

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : VX005448.D
 Acq On : 19 Oct 2018 10:46
 Operator : JC/MD
 Sample : VX1019MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2018 11:06:51 AM

Quant Time: Oct 20 04:37:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	295132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	429013	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	369526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	163128	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	5.50	113	144001	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	8.71	98	487015	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.14	95	179072	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41794	18.112	ug/l	100
3) Chloromethane	1.32	50	58124	17.383	ug/l	99
4) Vinyl Chloride	1.40	62	60599	17.891	ug/l	95
5) Bromomethane	1.64	94	34786	18.556	ug/l	100
6) Chloroethane	1.72	64	37464	17.791	ug/l	100
7) Trichlorofluoromethane	1.93	101	81755	18.087	ug/l	88
8) Diethyl Ether	2.19	74	38453	19.922	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53364	20.455	ug/l	97
10) Methyl Iodide	2.51	142	56709	21.326	ug/l	99
11) Tert butyl alcohol	3.07	59	89943	97.344	ug/l	100
12) 1,1-Dichloroethene	2.38	96	48858	18.902	ug/l #	78
13) Acrolein	2.29	56	33546	55.210	ug/l	93
14) Allyl chloride	2.73	41	104747	18.457	ug/l	95
15) Acrylonitrile	3.15	53	198631	94.867	ug/l	99
16) Acetone	2.45	43	180861	95.499	ug/l	97
17) Carbon Disulfide	2.57	76	126502	16.155	ug/l	99
18) Methyl Acetate	2.78	43	111179	20.635	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	184508	20.267	ug/l	99
20) Methylene Chloride	2.85	84	57263	19.965	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	53537	18.689	ug/l #	80
22) Diisopropyl ether	3.87	45	190442	19.979	ug/l	92
23) Vinyl Acetate	3.82	43	779938	93.614	ug/l	95
24) 1,1-Dichloroethane	3.69	63	104915	19.205	ug/l	96
25) 2-Butanone	4.71	43	273934	98.859	ug/l	99
26) 2,2-Dichloropropane	4.58	77	81434	19.932	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	58815	18.892	ug/l	94
28) Bromochloromethane	5.01	49	56037	22.501	ug/l	95
29) Tetrahydrofuran	5.15	42	177141	100.221	ug/l	92
30) Chloroform	5.21	83	100771	19.873	ug/l	87
31) Cyclohexane	5.59	56	85200	18.922	ug/l #	86
32) 1,1,1-Trichloroethane	5.49	97	87393	19.808	ug/l	95
36) 1,1-Dichloropropene	5.79	75	74096	17.833	ug/l	99
37) Ethyl Acetate	4.85	43	99914	18.699	ug/l	97
38) Carbon Tetrachloride	5.77	117	72449	17.354	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	74962	16.670	ug/l	96
40) Benzene	6.14	78	212115	17.018	ug/l	99
41) Methacrylonitrile	5.06	41	53775	18.772	ug/l	96
42) 1,2-Dichloroethane	6.20	62	76944	17.483	ug/l	99
43) Isopropyl Acetate	6.46	43	143780	20.200	ug/l	96
44) Trichloroethene	7.21	130	55999	17.187	ug/l	93
45) 1,2-Dichloropropane	7.52	63	53631	17.541	ug/l	98
46) Dibromomethane	7.66	93	34798	17.244	ug/l	97
47) Bromodichloromethane	7.90	83	66993	17.948	ug/l	97
48) Methyl methacrylate	7.77	41	65642	17.781	ug/l	95
49) 1,4-Dioxane	7.75	88	31177	366.149	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	452555	91.823	ug/l	95
52) Toluene	8.79	92	128784	18.886	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	75012	18.570	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	82067	18.750	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	53952	18.680	ug/l	98
56) Ethyl methacrylate	9.18	69	79558	18.895	ug/l	97
57) 1,3-Dichloropropane	9.37	76	89905	18.650	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	250511	106.090	ug/l	95
59) 2-Hexanone	9.49	43	361350	91.146	ug/l	94
60) Dibromochloromethane	9.59	129	54973	18.414	ug/l	100
61) 1,2-Dibromoethane	9.67	107	56146	18.523	ug/l	98
64) Tetrachloroethene	9.34	164	59386	19.962	ug/l	98
65) Chlorobenzene	10.14	112	146760	18.671	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	52968	18.910	ug/l	99
67) Ethyl Benzene	10.25	91	241569	18.905	ug/l	96
68) m/p-Xylenes	10.36	106	188949	38.097	ug/l	96
69) o-Xylene	10.70	106	90125	18.842	ug/l	97
70) Styrene	10.71	104	151744	19.287	ug/l	98
71) Bromoform	10.86	173	45590	18.213	ug/l #	99
73) Isopropylbenzene	11.02	105	250019	20.504	ug/l	100
74) N-amyl acetate	10.90	43	110674	18.818	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	84667	18.407	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	80513m	20.236	ug/l	
77) Bromobenzene	11.26	156	68546	19.661	ug/l	98
78) n-propylbenzene	11.36	91	285167	20.323	ug/l	100
79) 2-Chlorotoluene	11.42	91	170353	19.824	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	211210	20.227	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	23721	18.116	ug/l	98
82) 4-Chlorotoluene	11.51	91	200060	19.639	ug/l	99
83) tert-Butylbenzene	11.77	119	212917	20.136	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	219242	20.403	ug/l	98
85) sec-Butylbenzene	11.94	105	256542	20.501	ug/l	99
86) p-Isopropyltoluene	12.07	119	230037	20.339	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	126534	19.422	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	126950	19.048	ug/l	98
89) n-Butylbenzene	12.39	91	197287	19.212	ug/l	97
90) Hexachloroethane	12.60	117	34214	17.553	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	125450	18.870	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19217	17.127	ug/l	94

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ClientSampleId :
VX1019MBS01

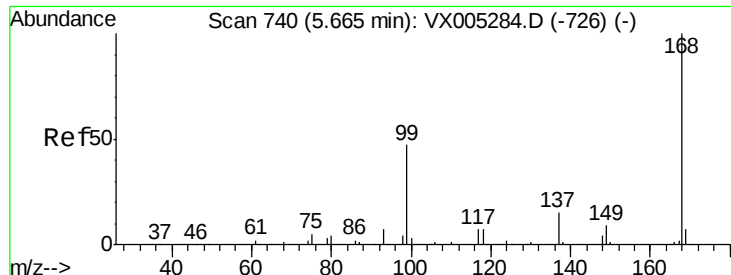
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96211	19.725	ug/l	98
94) Hexachlorobutadiene	13.78	225	49335	19.151	ug/l	98
95) Naphthalene	13.83	128	281733	19.917	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	99438	19.924	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion:168 Resp: 295132

Ion Ratio Lower Upper

168 100

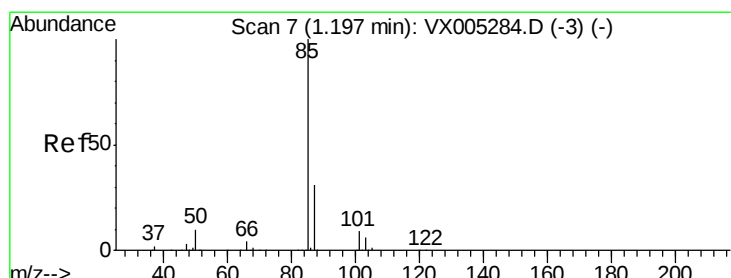
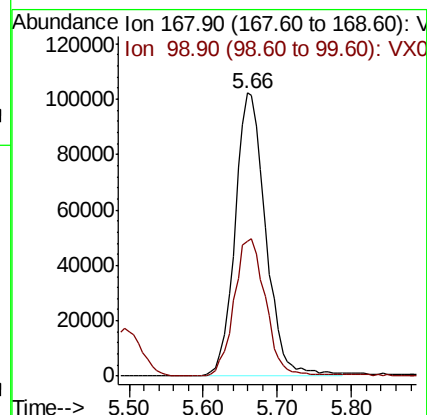
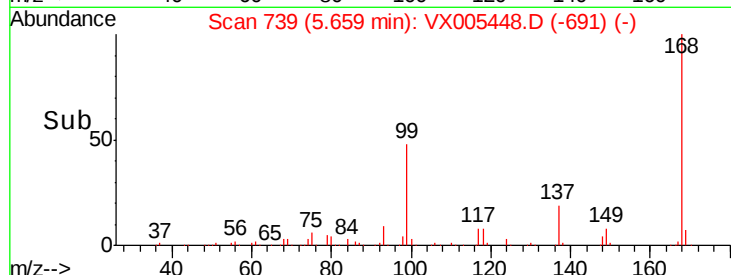
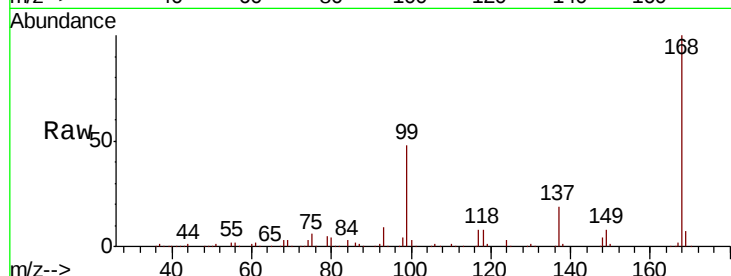
99 47.7 39.9 59.9

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#2

Dichlorodifluoromethane

Concen: 18.112 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005448.D

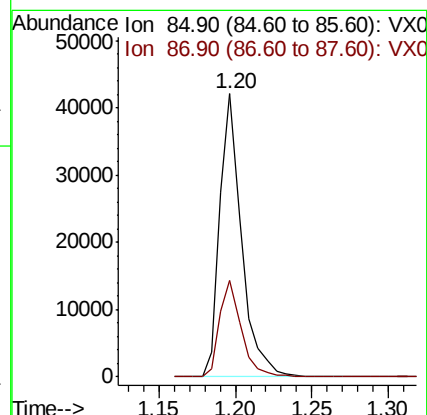
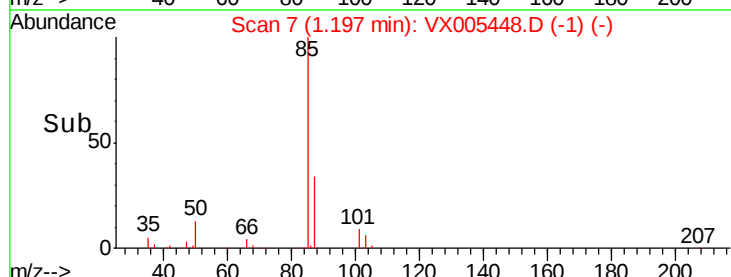
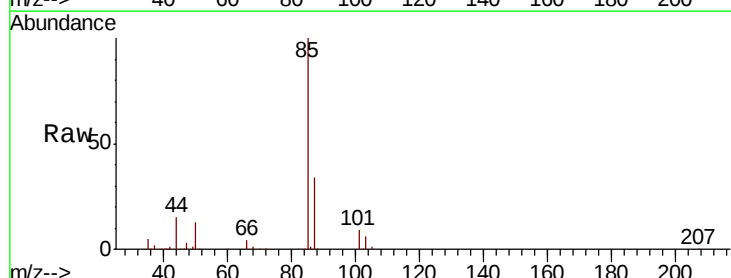
Acq: 19 Oct 2018 10:46

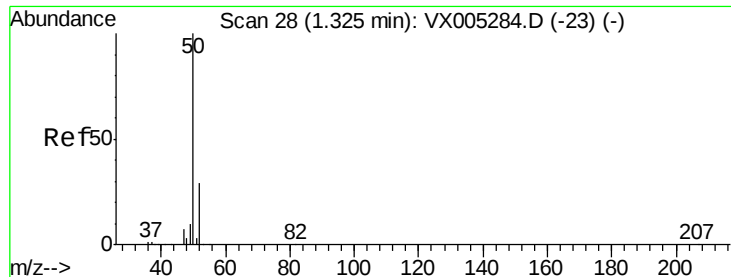
Tgt Ion: 85 Resp: 41794

Ion Ratio Lower Upper

85 100

87 34.1 17.0 50.9





#3

Chloromethane

Concen: 17.383 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 50 Resp: 58124

Ion Ratio Lower Upper

50 100

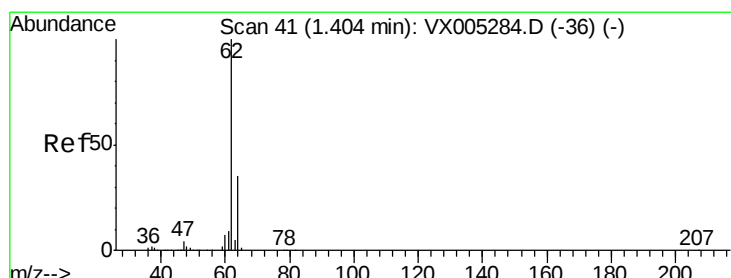
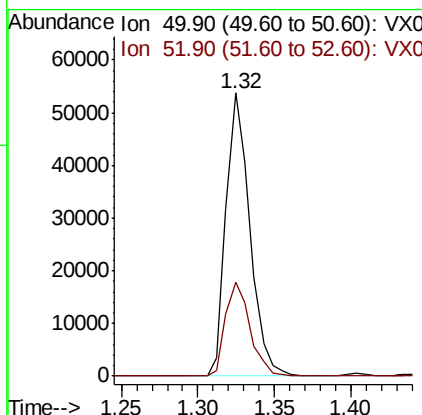
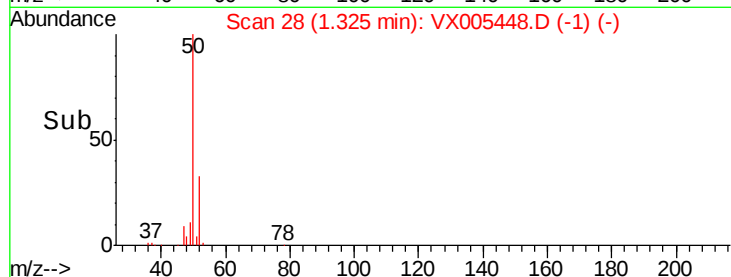
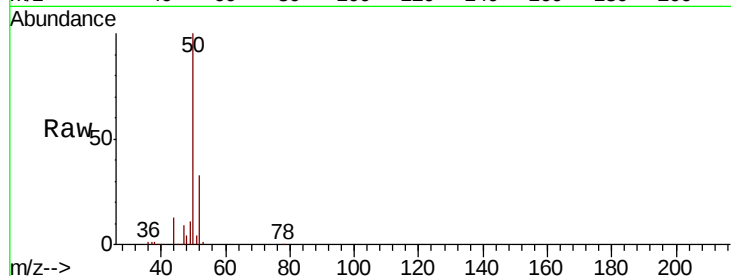
52 33.2 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.891 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005448.D

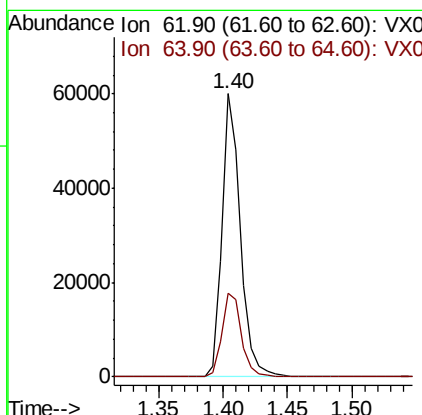
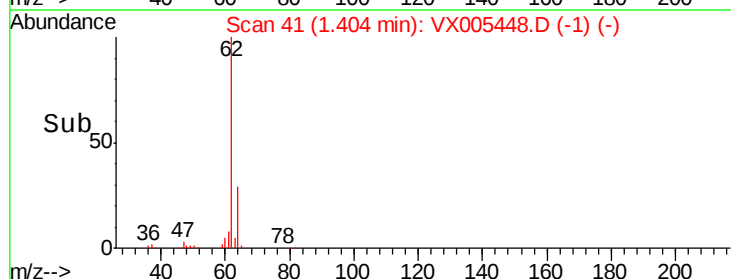
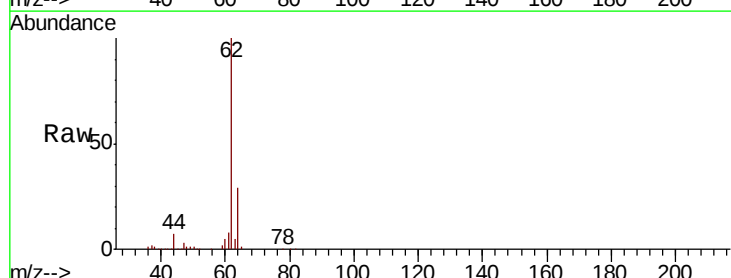
Acq: 19 Oct 2018 10:46

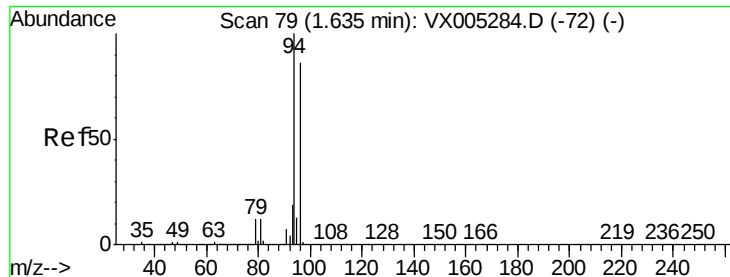
Tgt Ion: 62 Resp: 60599

Ion Ratio Lower Upper

62 100

64 29.4 25.8 38.8





#5

Bromomethane

Concen: 18.556 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Tot Ion: 94 Resp: 34786

Ion Ratio Lower Upper

94 100

96 92.9 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

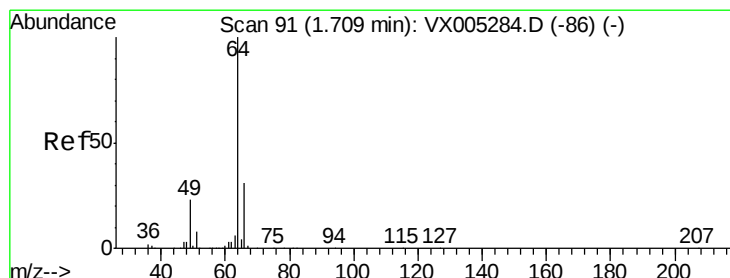
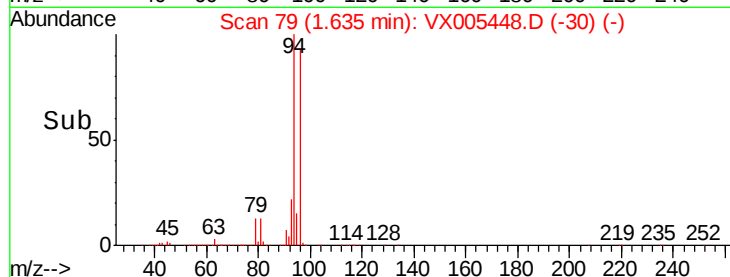
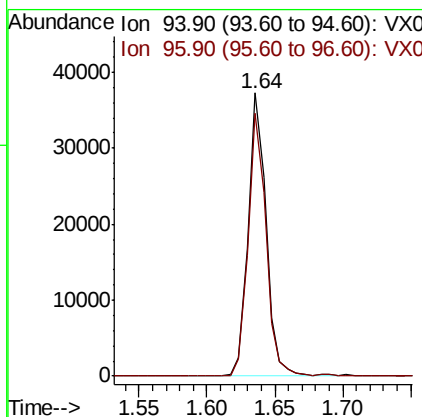
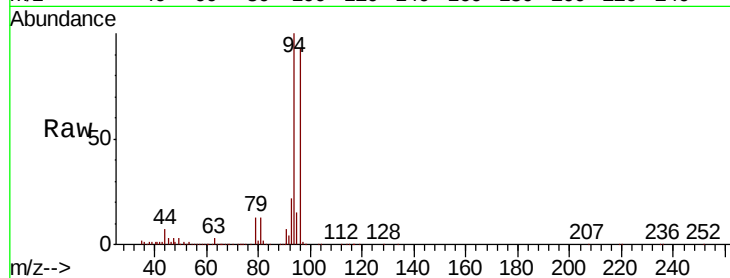
VX1019MBS01

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#6

Chloroethane

Concen: 17.791 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005448.D

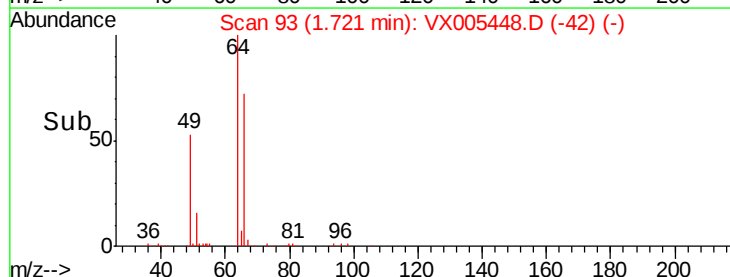
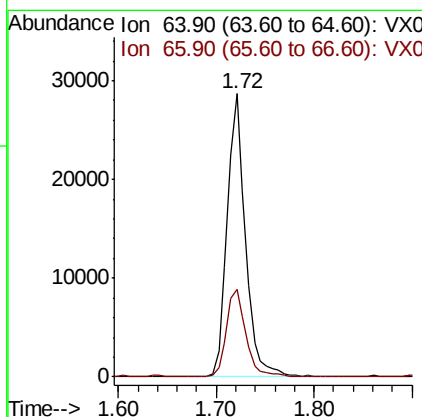
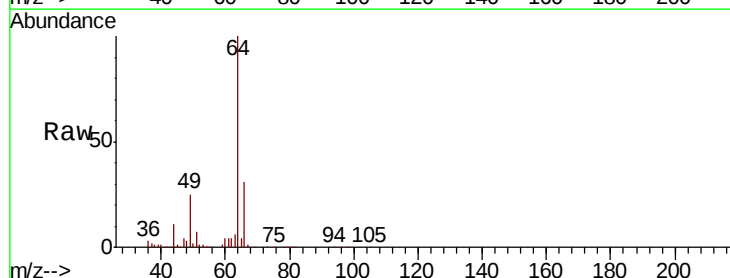
Acq: 19 Oct 2018 10:46

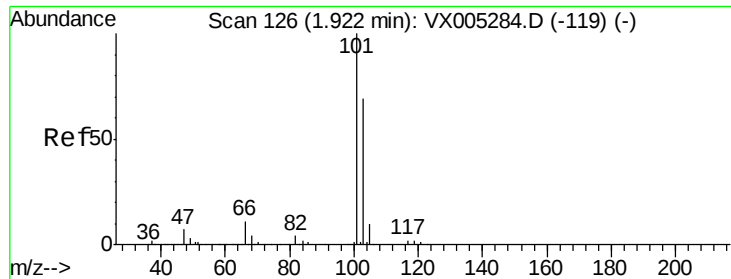
Tgt Ion: 64 Resp: 37464

Ion Ratio Lower Upper

64 100

66 30.9 24.6 36.8





#7

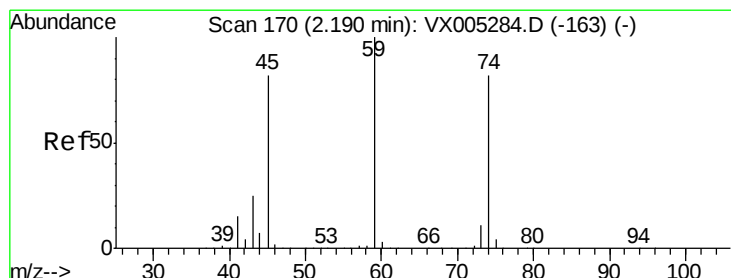
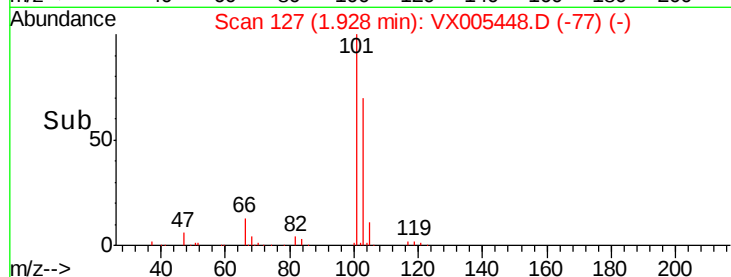
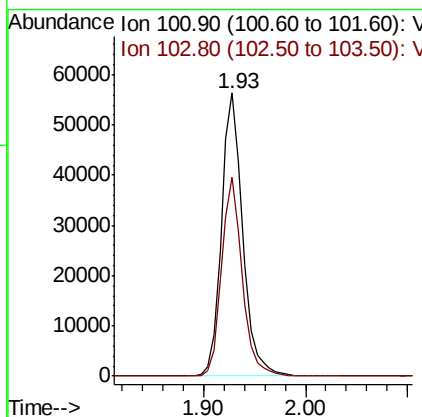
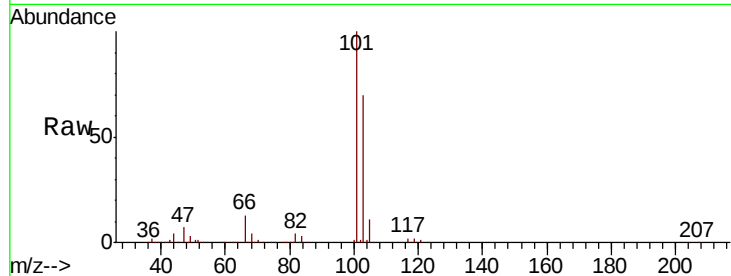
Trichlorofluoromethane
 Concen: 18.087 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Instrument :
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 ClientSampleId :
 VX1019MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.2	48.9	73.3

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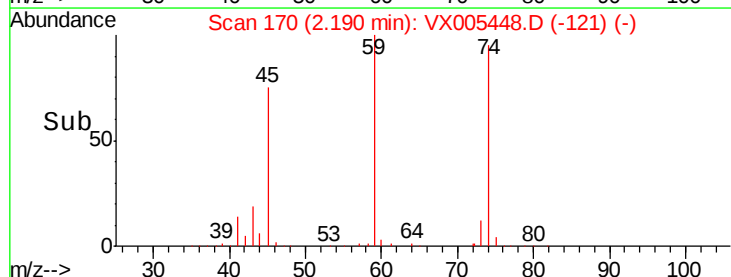
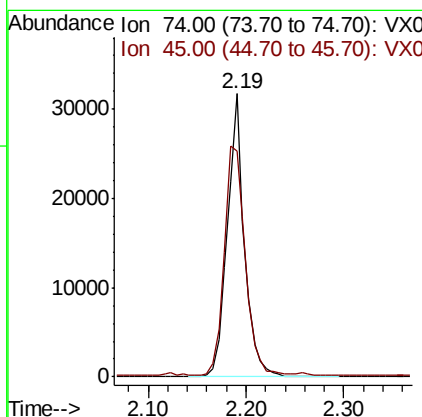
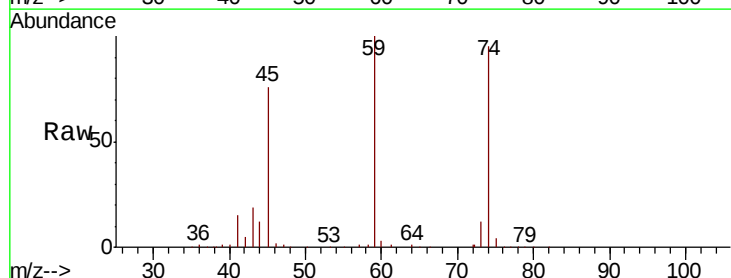
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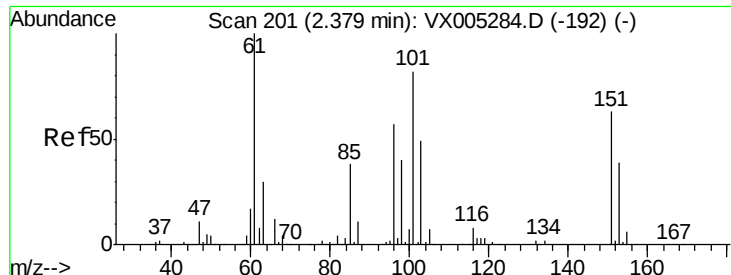


#8

Diethyl Ether
 Concen: 19.922 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	48.3	144.8





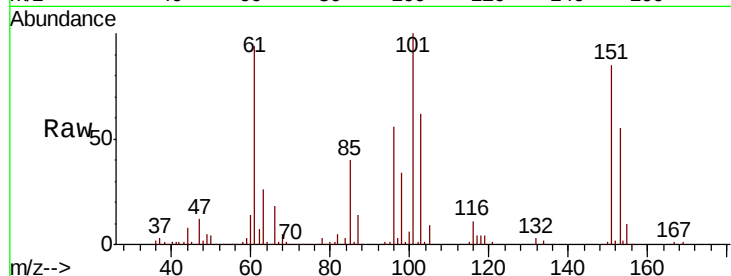
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.455 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

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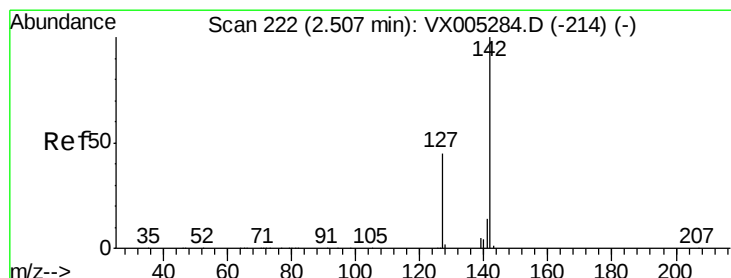
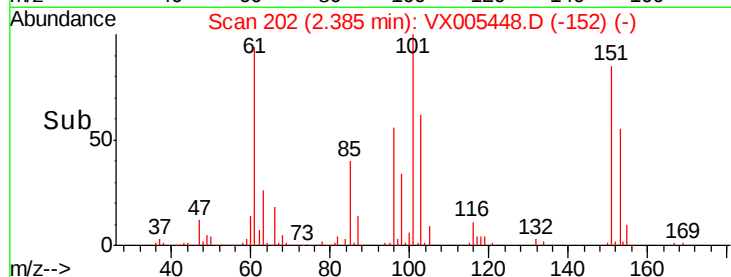
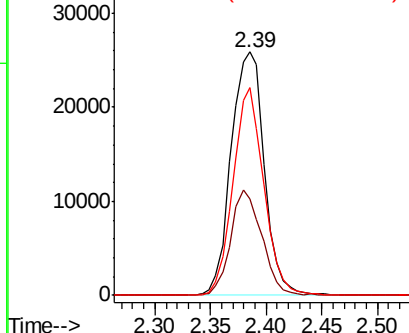
Tot Ion	Ratio	Lower	Upper
101	100		
85	40.8	34.2	51.4
151	79.2	65.0	97.6

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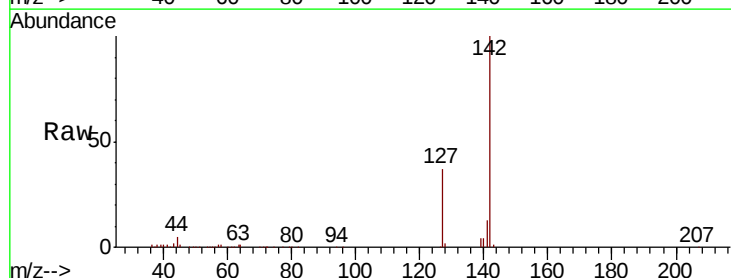


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V

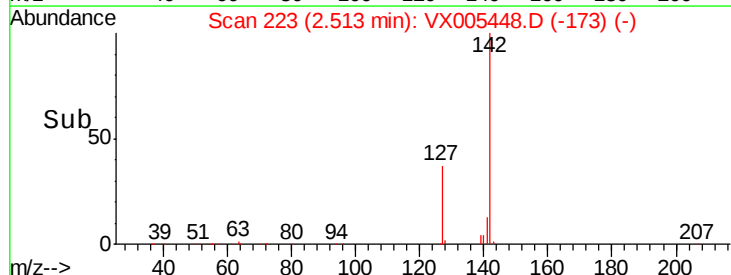
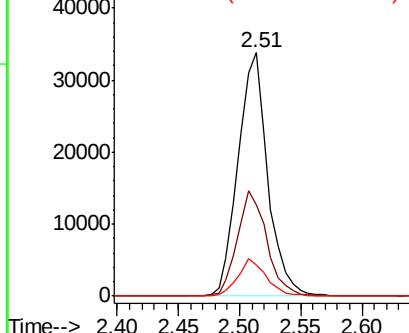


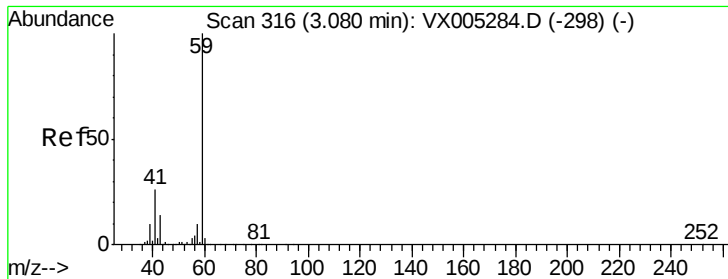
#10
Methyl Iodide
Concen: 21.326 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.2	33.8	50.6
141	14.6	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





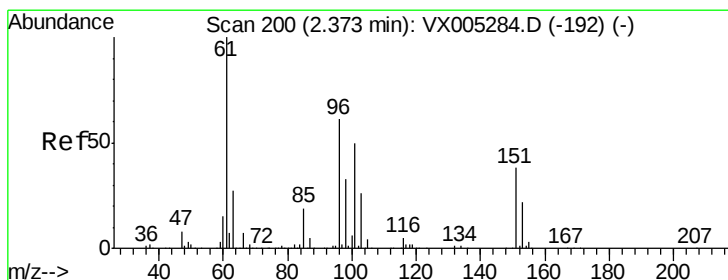
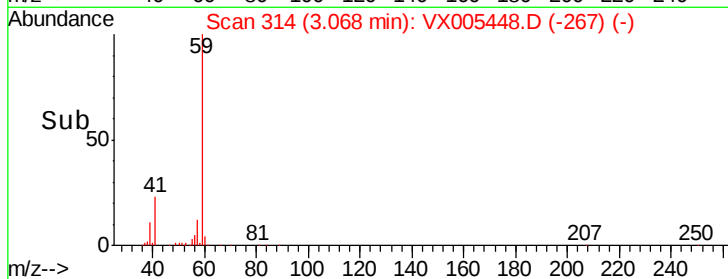
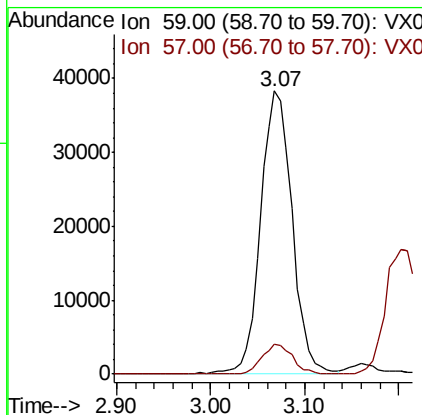
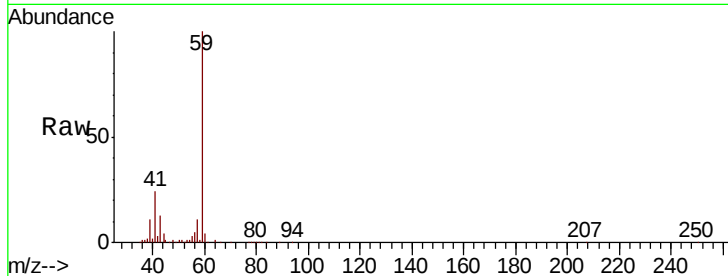
#11
Tert butyl alcohol
Concen: 97.344 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion: 59 Resp: 89943
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

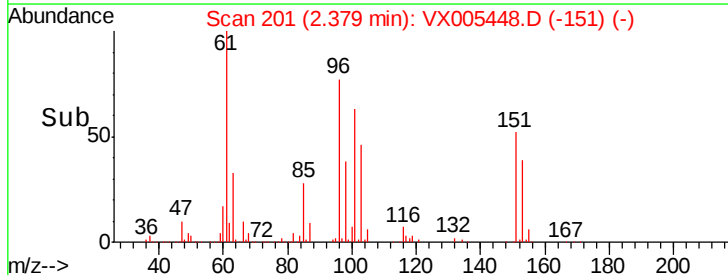
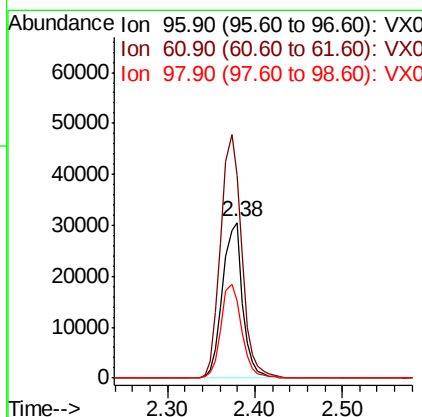
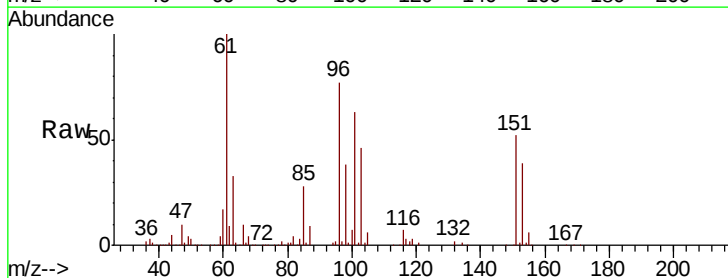
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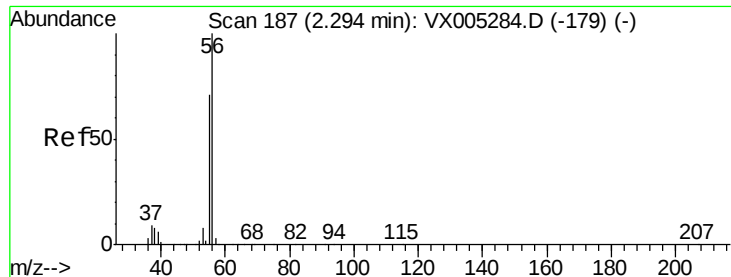
MMDadoda
10/22/2018 11:06:51 AM



#12
1,1-Dichloroethene
Concen: 18.902 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion: 96 Resp: 48858
Ion Ratio Lower Upper
96 100
61 129.9 128.8 193.2
98 49.8 52.2 78.2#





#13

Acrolein

Concen: 55.210 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 56 Resp: 33546

Ion Ratio Lower Upper

56 100

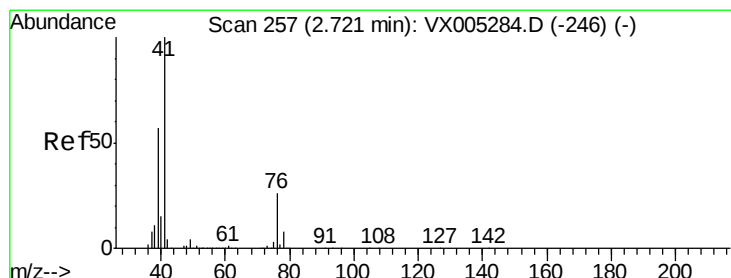
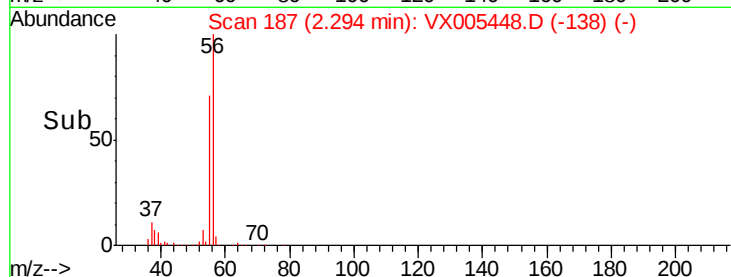
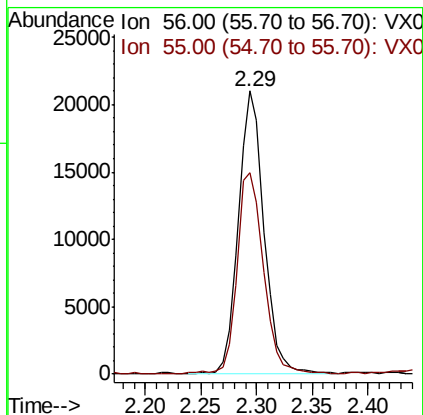
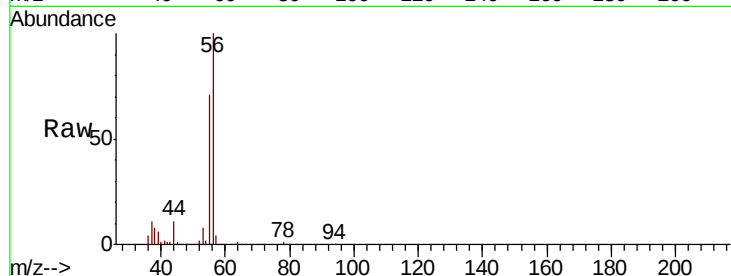
55 73.9 54.7 82.1

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#14

Allyl chloride

Concen: 18.457 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

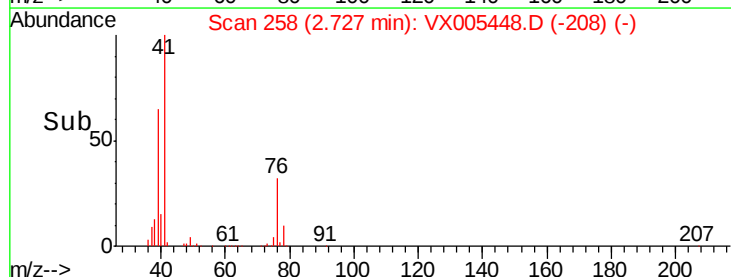
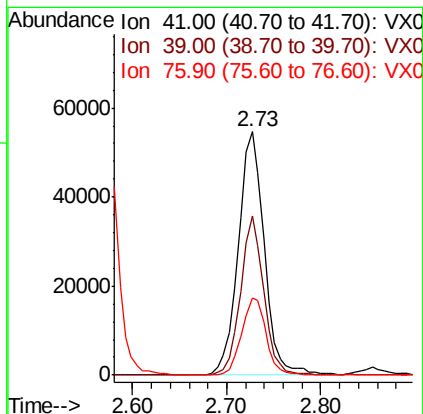
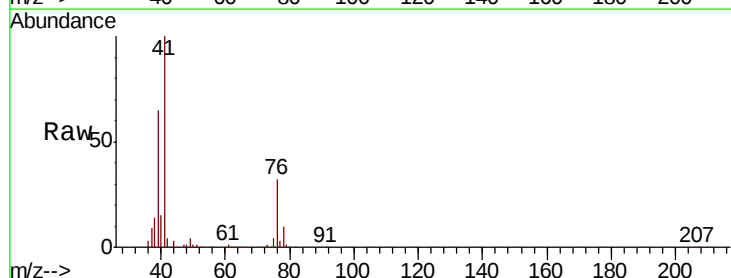
Tgt Ion: 41 Resp: 104747

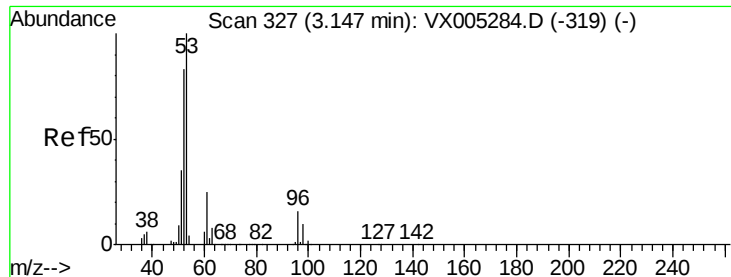
Ion Ratio Lower Upper

41 100

39 58.1 48.9 73.3

76 30.1 26.7 40.1





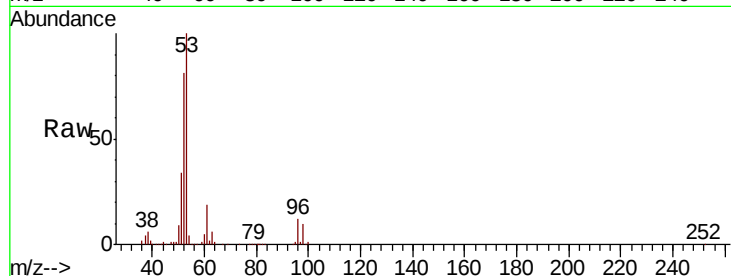
#15
Acrylonitrile
Concen: 94.867 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

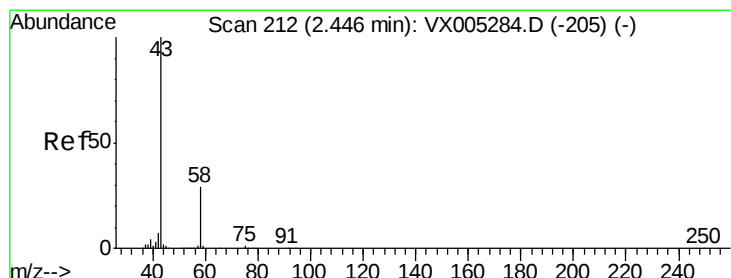
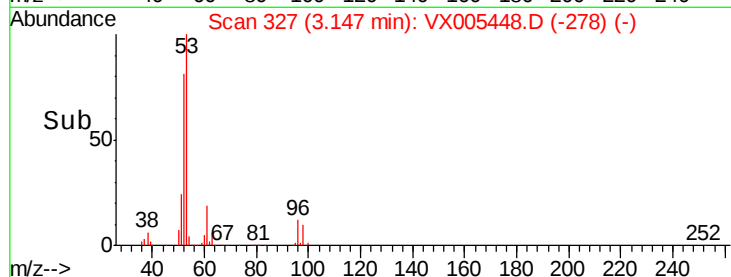
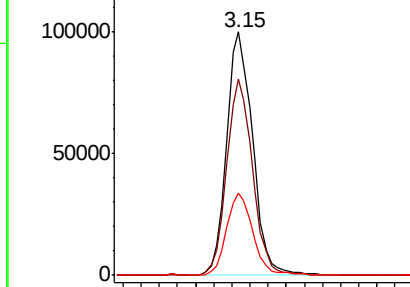
Tot Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.2	97.8
51	34.1	28.2	42.2

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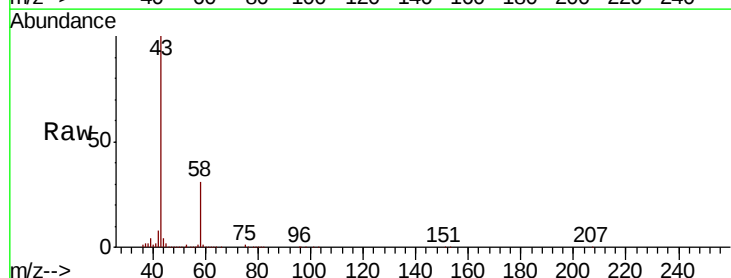


Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

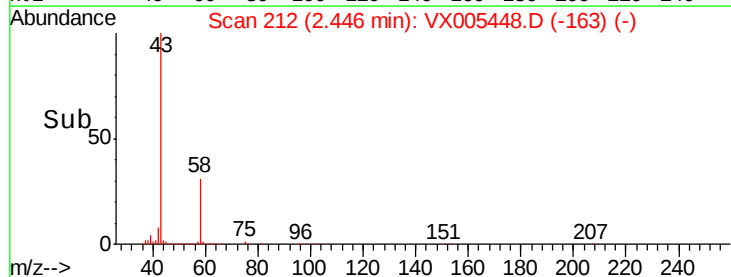
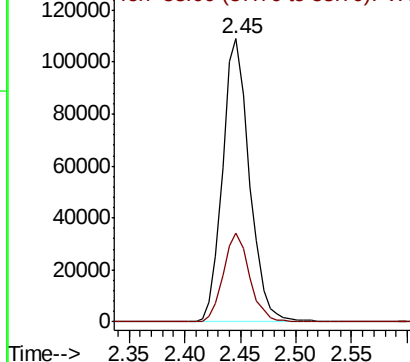


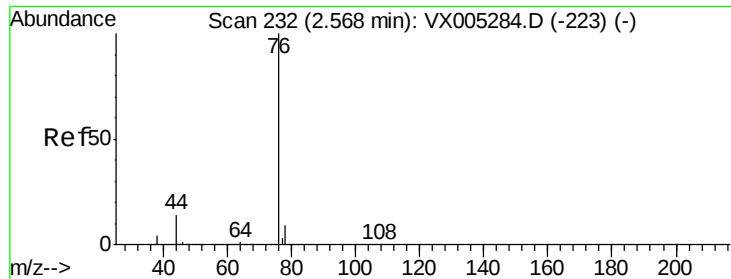
#16
Acetone
Concen: 95.499 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.3	26.2	39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





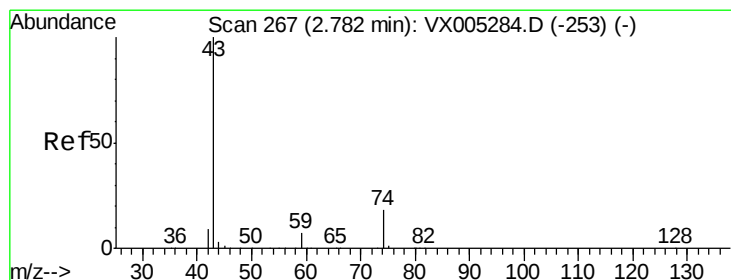
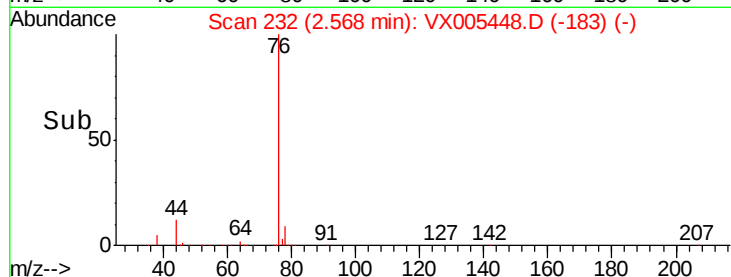
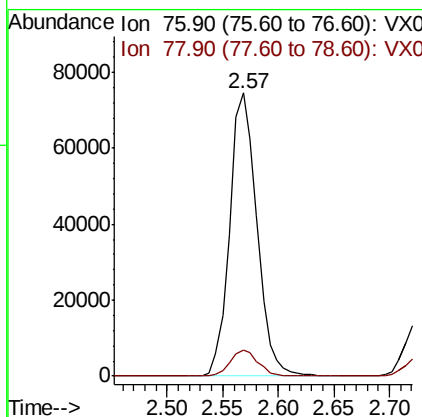
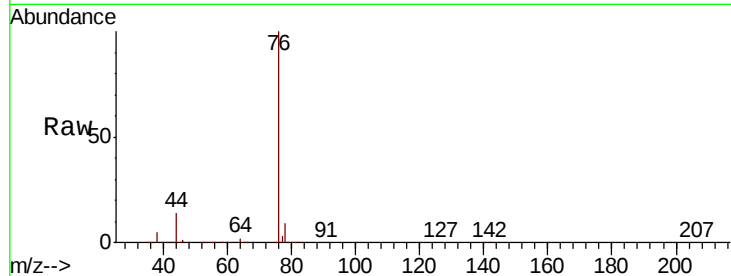
#17
Carbon Disulfide
Concen: 16.155 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

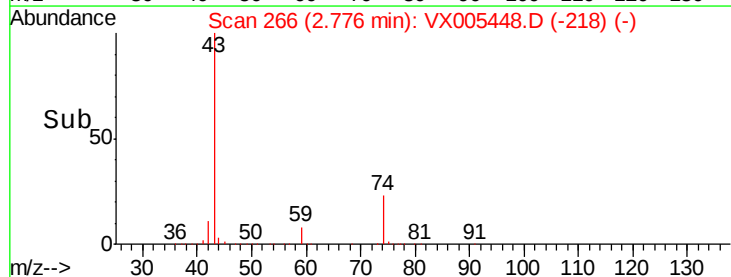
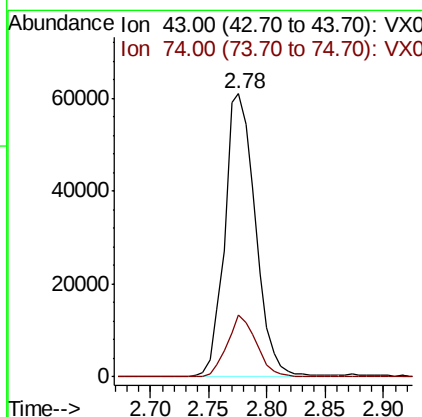
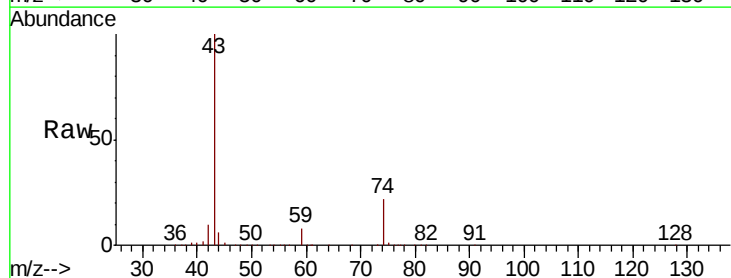
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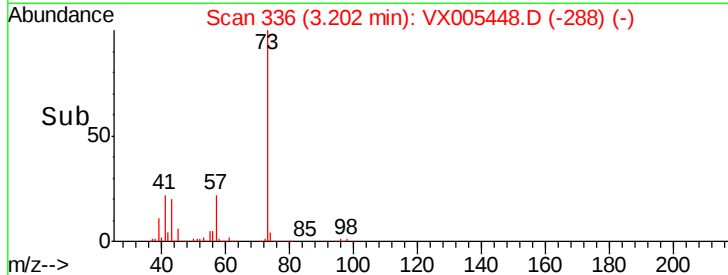
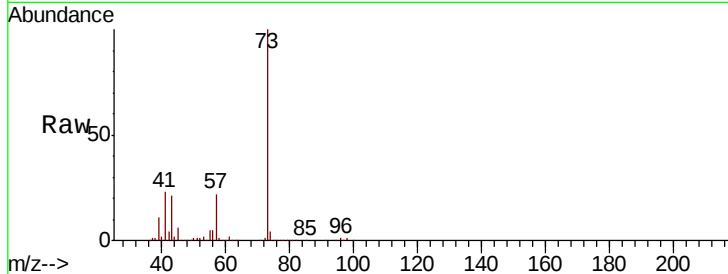
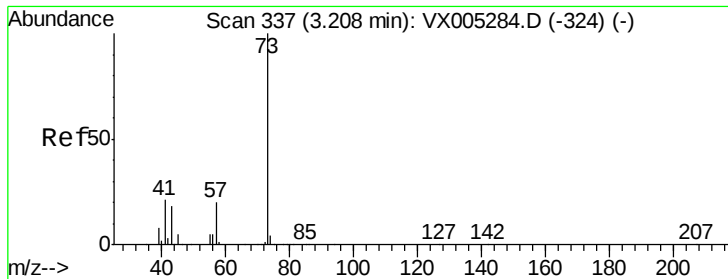
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#18
Methyl Acetate
Concen: 20.635 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	19.4	29.2





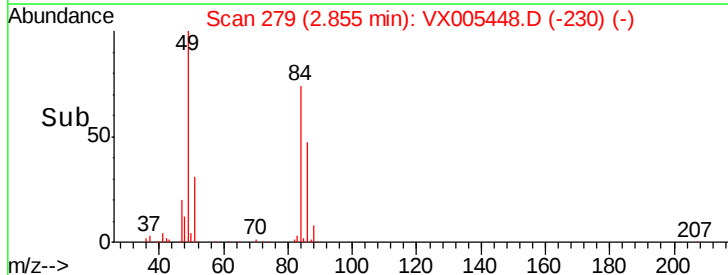
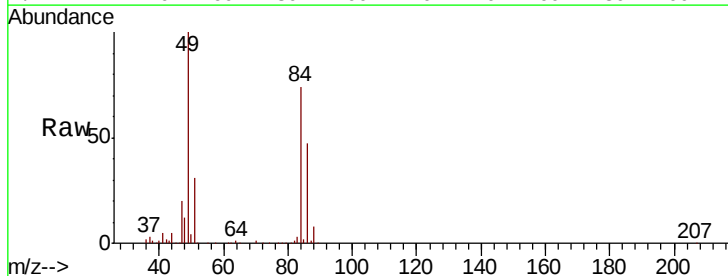
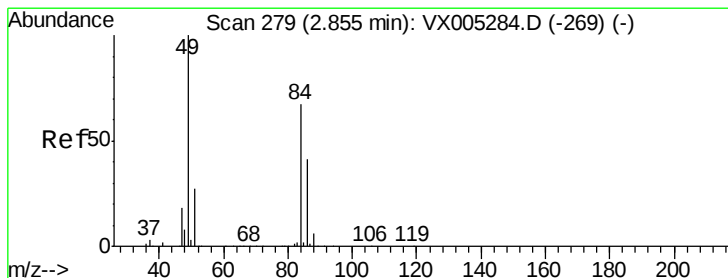
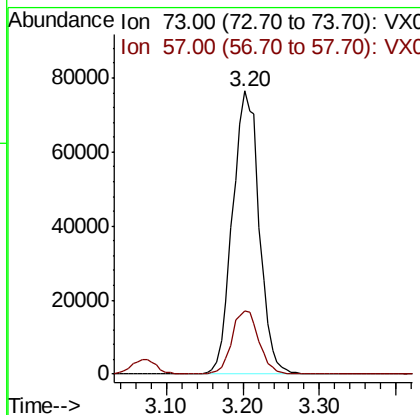
#19
Methvl tert-butvl Ether
Concen: 20.267 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.1	25.7

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

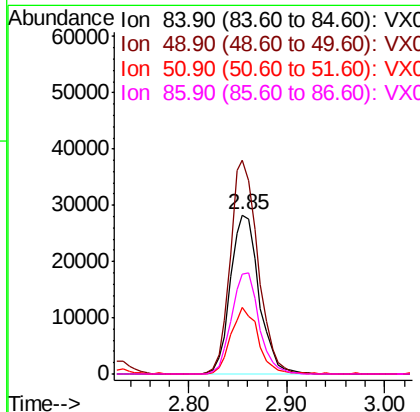
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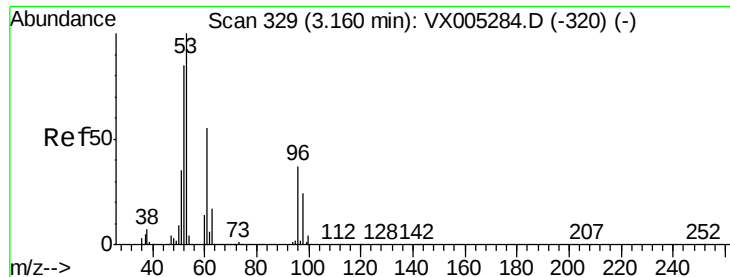
MMDadoda
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#20
Methylene Chloride
Concen: 19.965 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.0	101.2	151.8
51	42.1	29.5	44.3
86	62.7	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.689 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

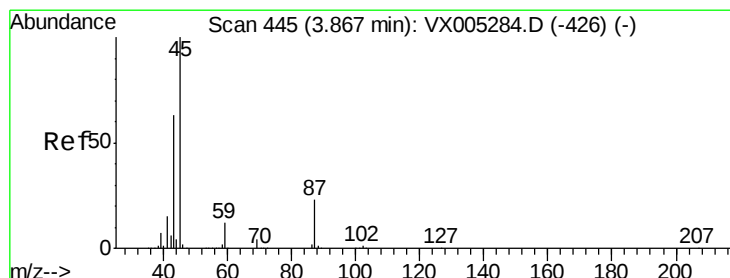
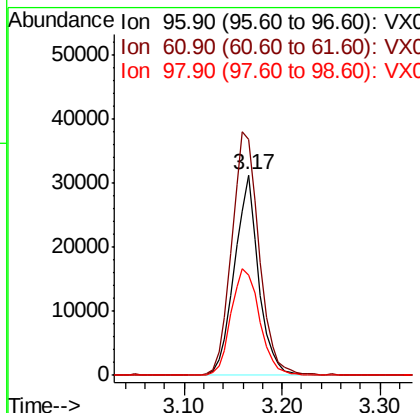
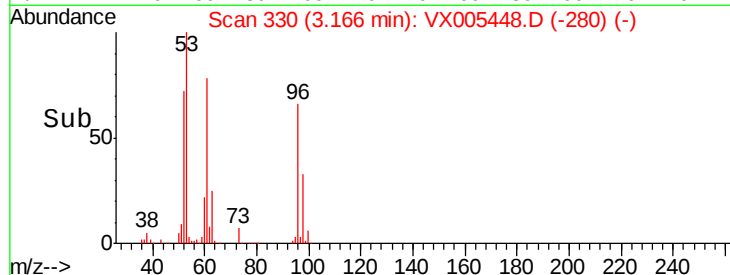
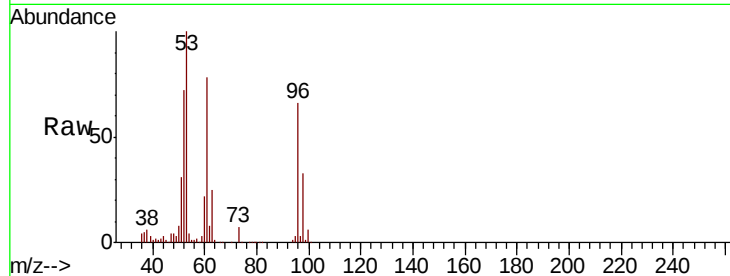
ClientSampleId :

VX1019MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	117.3	113.8	170.6
98	50.0	51.8	77.8#

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#22

Diisopropyl ether

Concen: 19.979 ug/l

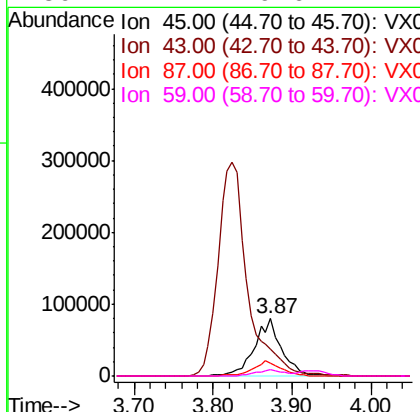
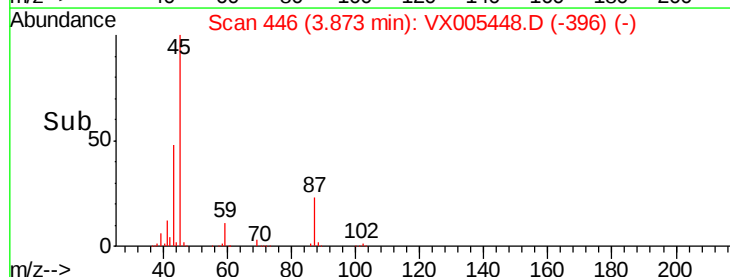
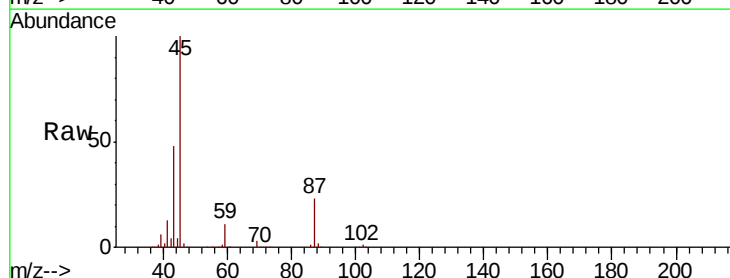
RT: 3.87 min Scan# 446

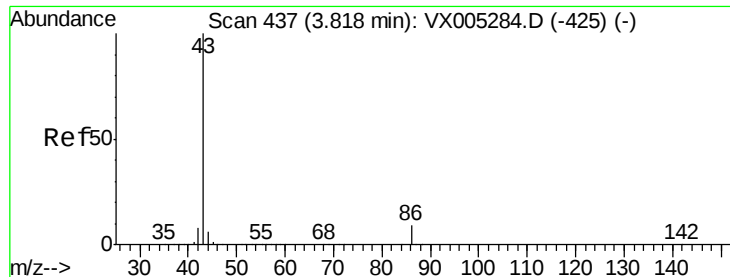
Delta R.T. 0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	47.2	42.8	64.2
87	23.1	22.6	34.0
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 93.614 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 43 Resp: 779938

Ion Ratio Lower Upper

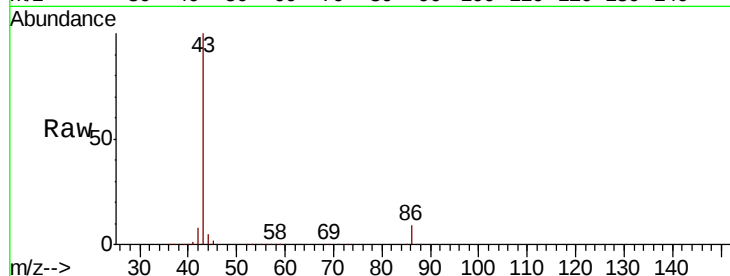
43 100

86 9.4 8.9 13.3

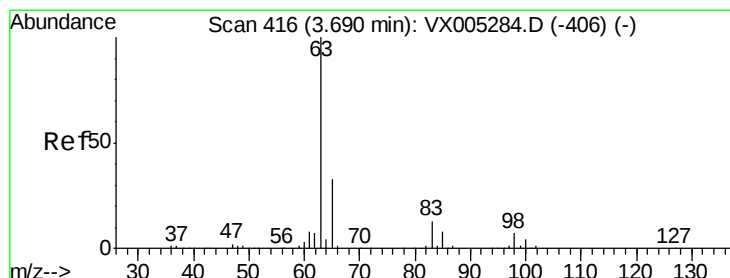
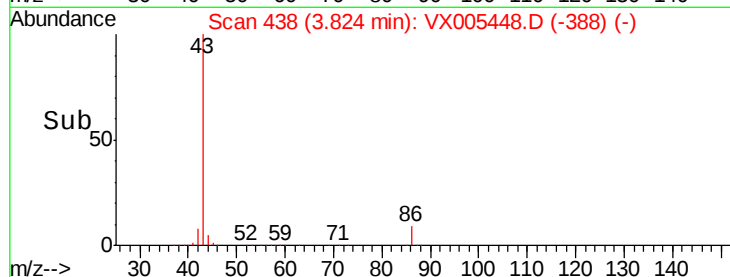
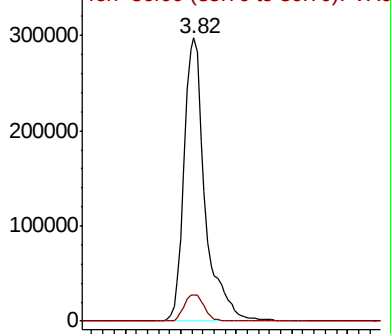
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Abundance Ion 43.00 (42.70 to 43.70): VX005448.D (-388) (-)



#24

1,1-Dichloroethane

Concen: 19.205 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

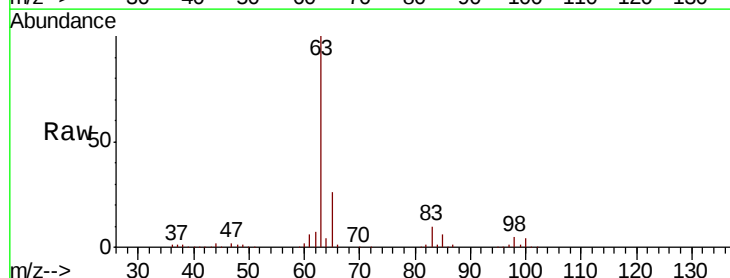
Tgt Ion: 63 Resp: 104915

Ion Ratio Lower Upper

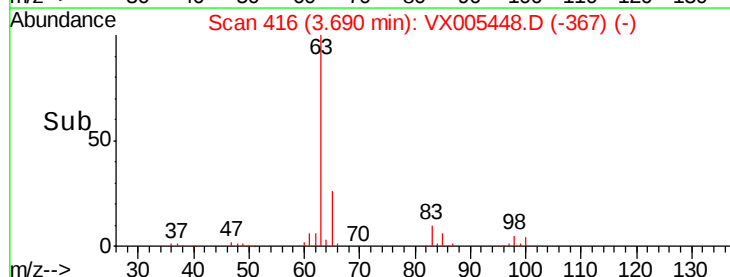
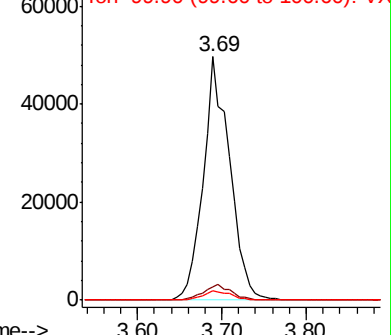
63 100

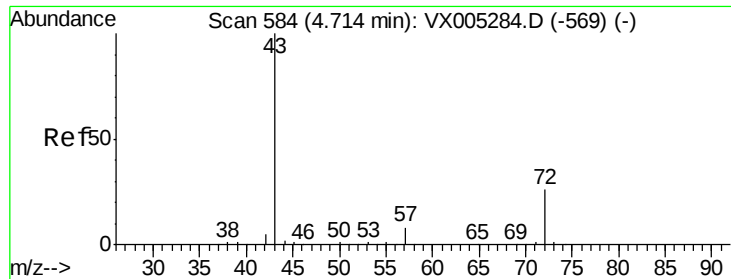
98 5.4 3.5 10.4

100 3.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX005448.D (-367) (-)





#25

2-Butanone

Concen: 98.859 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 43 Resp: 273934

Ion Ratio Lower Upper

43 100

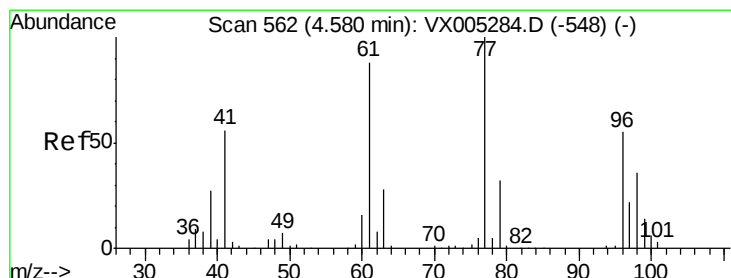
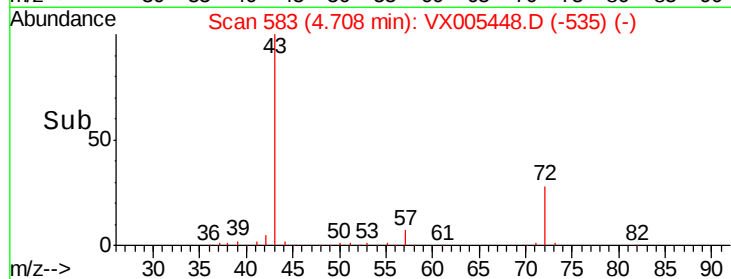
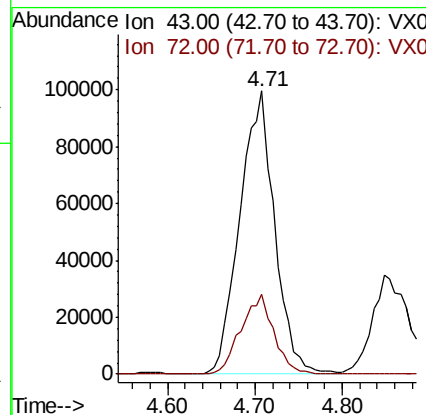
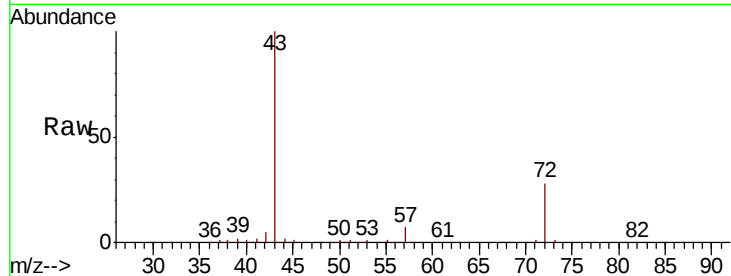
72 28.1 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.932 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005448.D

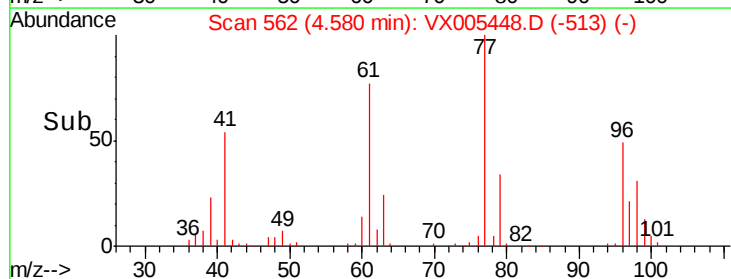
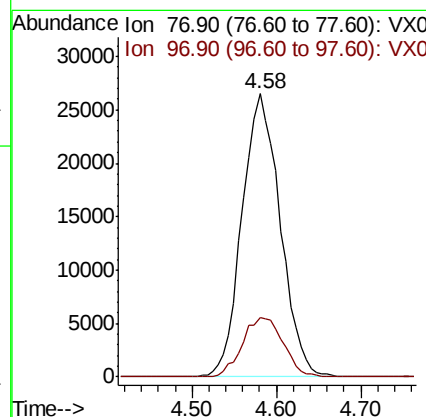
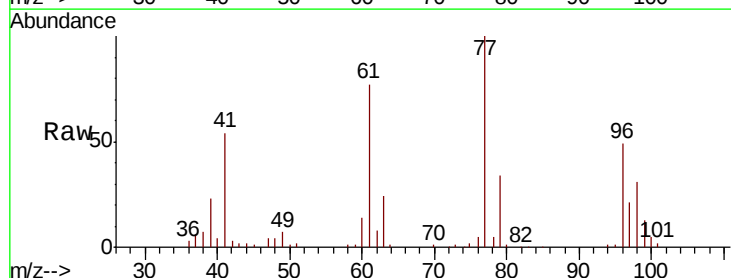
Acq: 19 Oct 2018 10:46

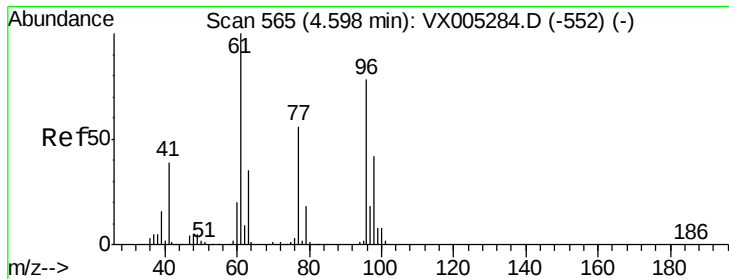
Tgt Ion: 77 Resp: 81434

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.0





#27

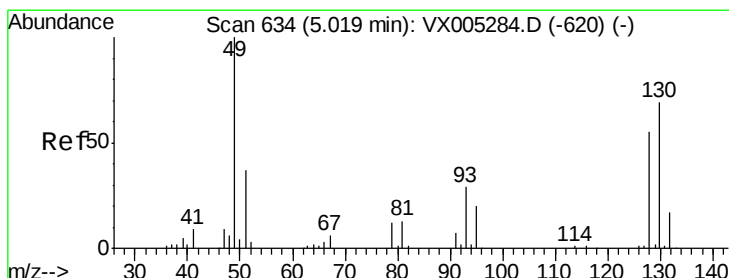
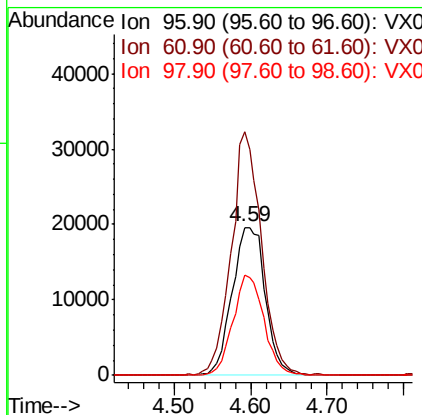
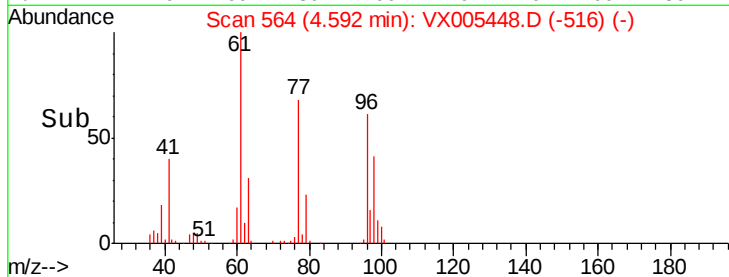
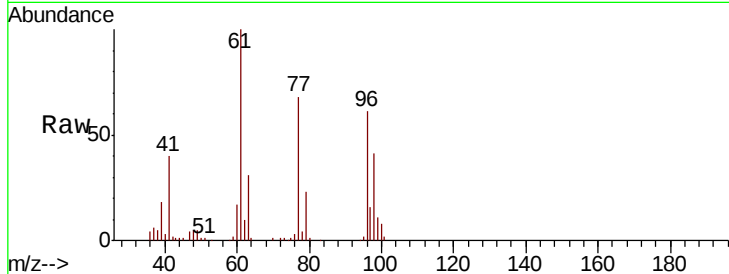
cis-1,2-Dichloroethene
 Concen: 18.892 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	58815		
61	150.9	0.0	282.6	
98	63.2	0.0	130.2	

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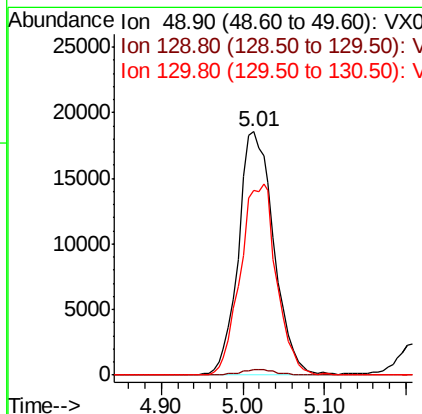
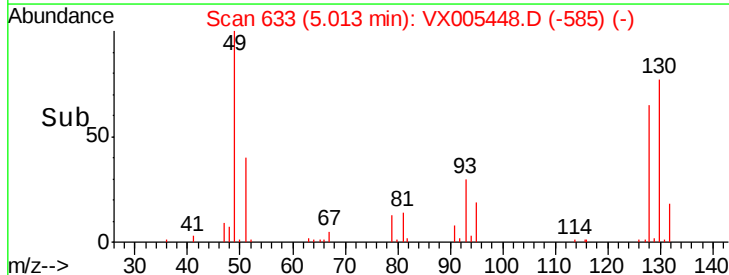
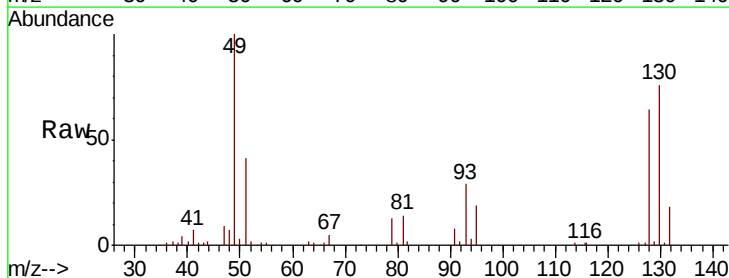
MMDadoda
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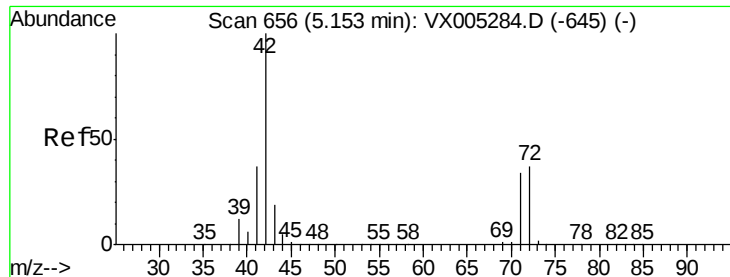


#28

Bromochloromethane
 Concen: 22.501 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	56037		
129	2.2	0.0	4.2	
130	79.7	67.5	101.3	





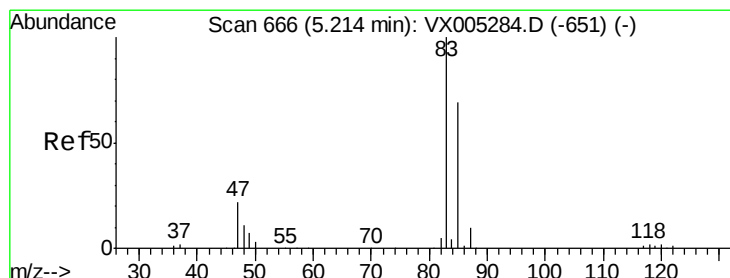
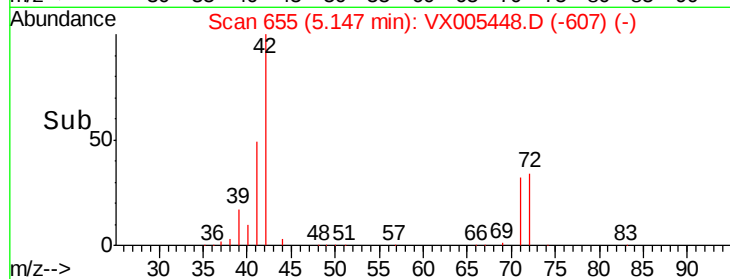
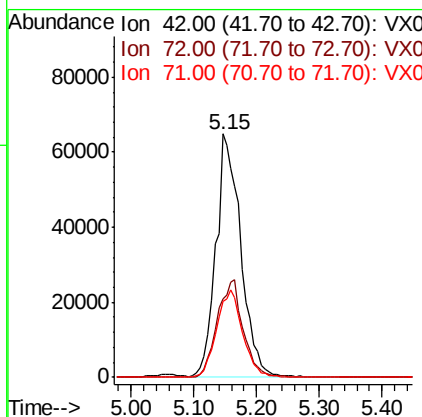
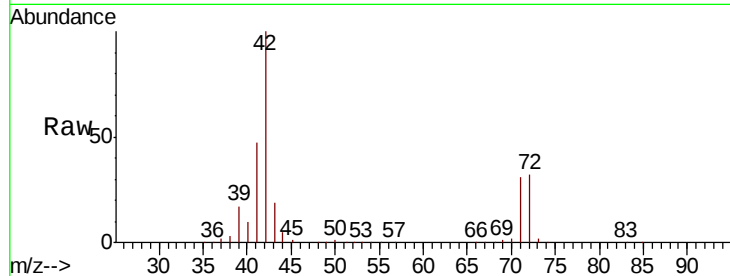
#29
Tetrahydrofuran
Concen: 100.221 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	37.4	56.0
71	37.7	34.5	51.7

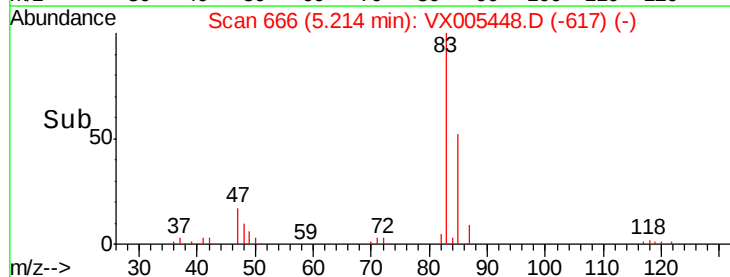
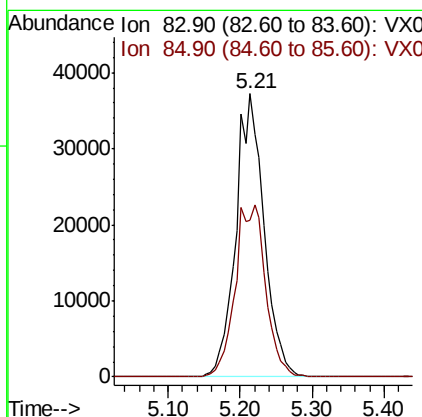
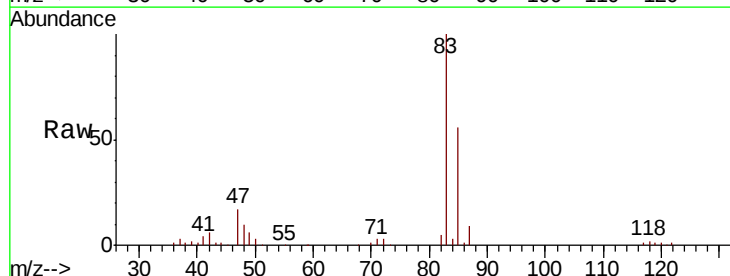
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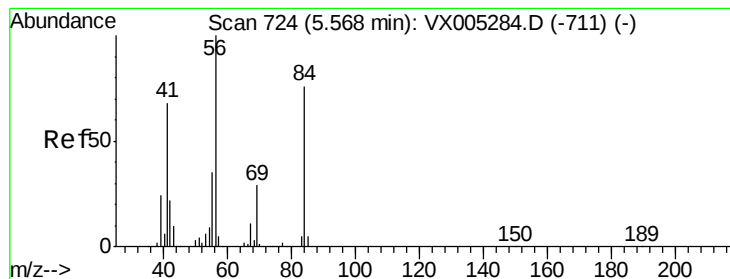
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#30
Chloroform
Concen: 19.873 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.5	52.6	79.0





#31

Cyclohexane

Concen: 18.922 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.02 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

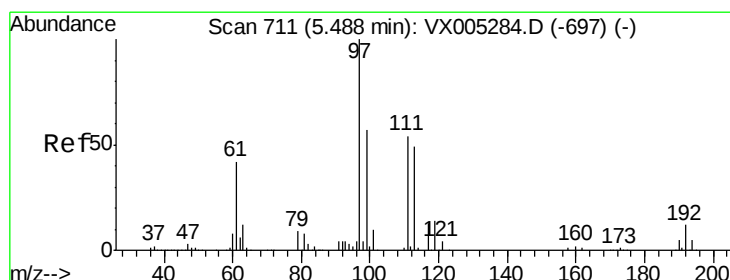
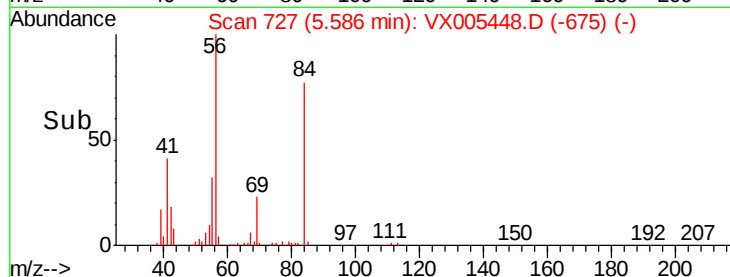
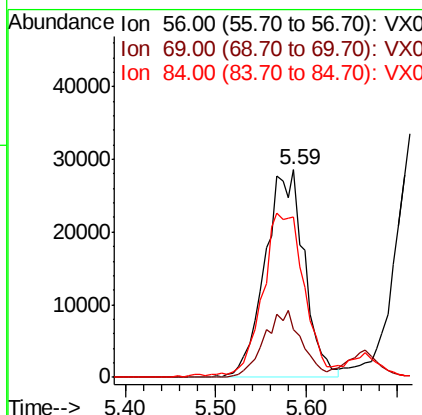
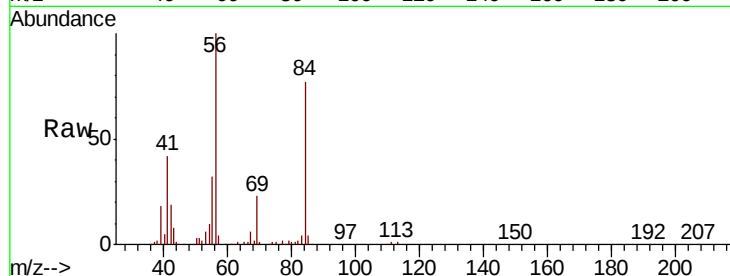
ClientSampleId :

VX1019MBS01

Tot Ion:	56	Resp:	85200
Ion Ratio	Lower	Upper	
56	100		
69	23.1	25.4	38.2#
84	76.3	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 19.808 ug/l

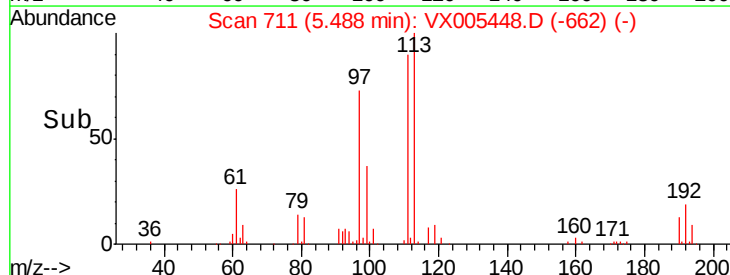
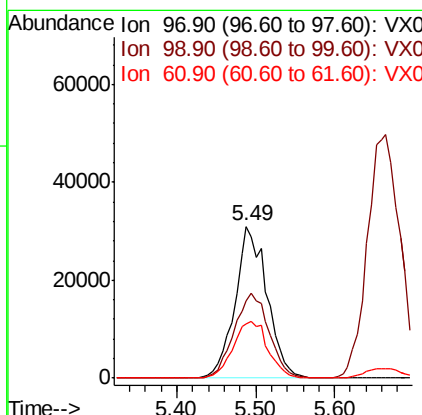
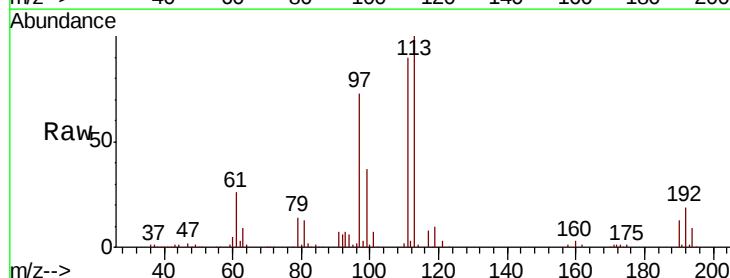
RT: 5.49 min Scan# 711

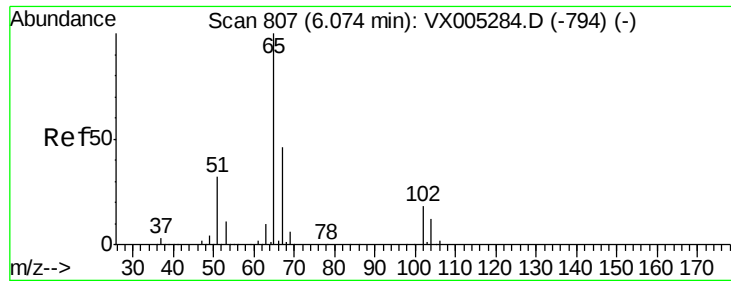
Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Tgt Ion:	97	Resp:	87393
Ion Ratio	Lower	Upper	
97	100		
99	60.8	52.0	78.0
61	40.7	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 49.802 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 65 Resp: 163128

Ion Ratio Lower Upper

65 100

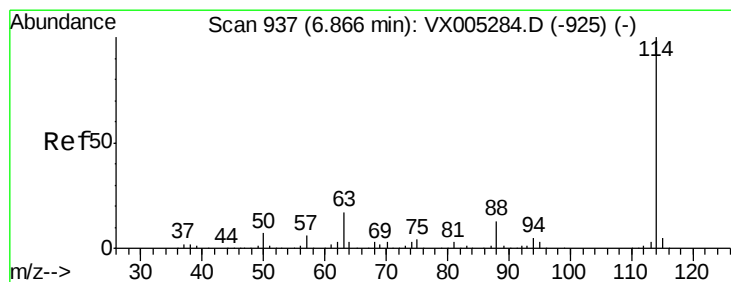
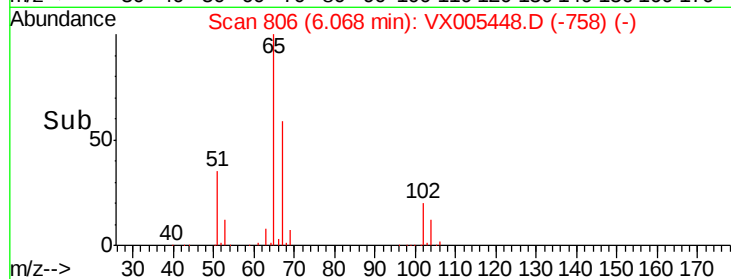
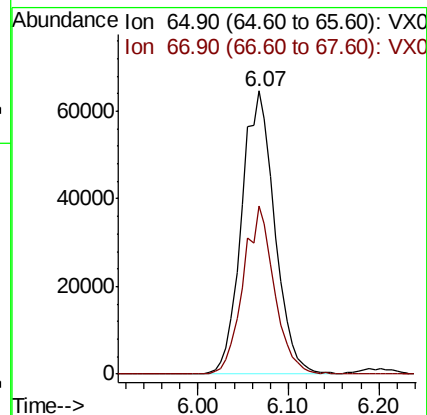
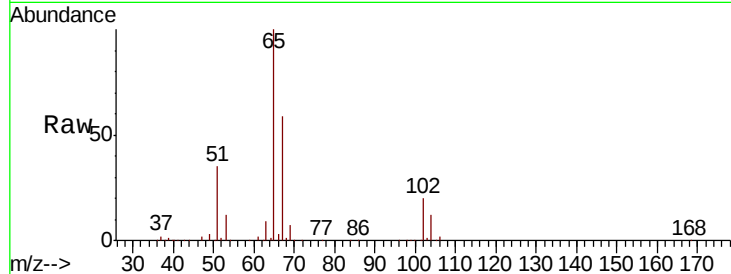
67 55.6 0.0 106.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

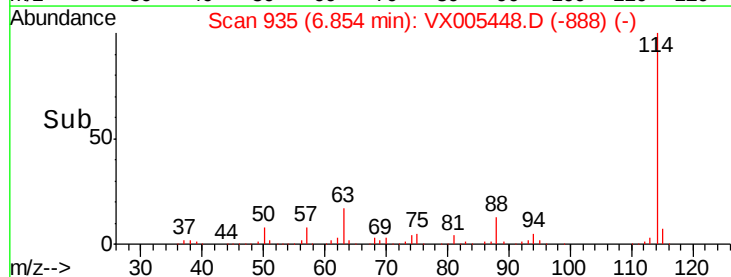
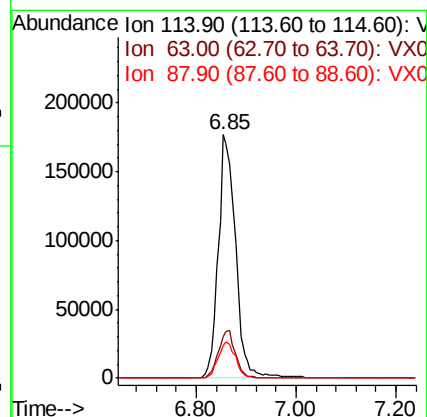
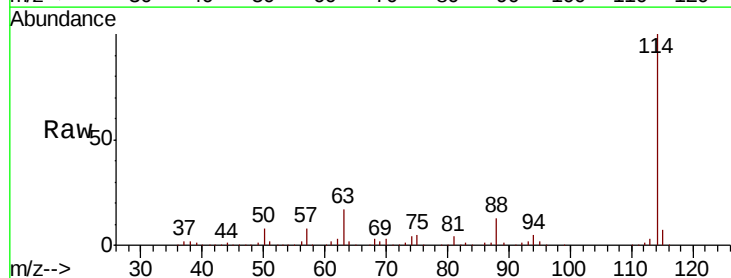
Tgt Ion: 114 Resp: 429013

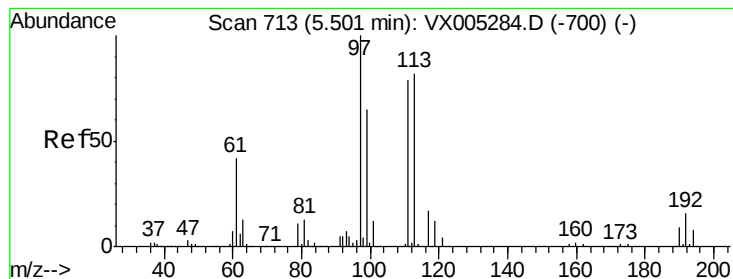
Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.0

88 13.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.679 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

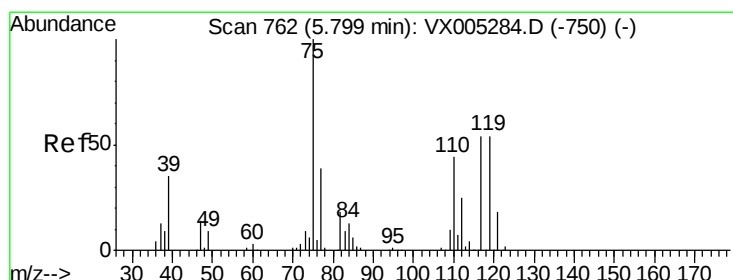
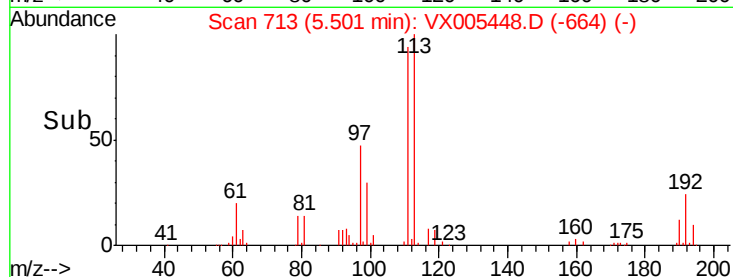
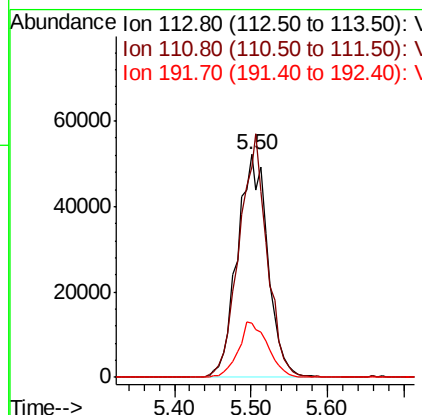
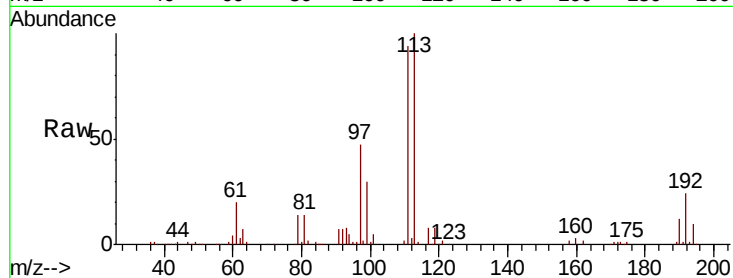
ClientSampleId :

VX1019MBS01

Tot Ion:	113	Resp:	144001
Ion Ratio	Lower	Upper	
113	100		
111	99.4	82.4	123.6
192	24.0	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 17.833 ug/l

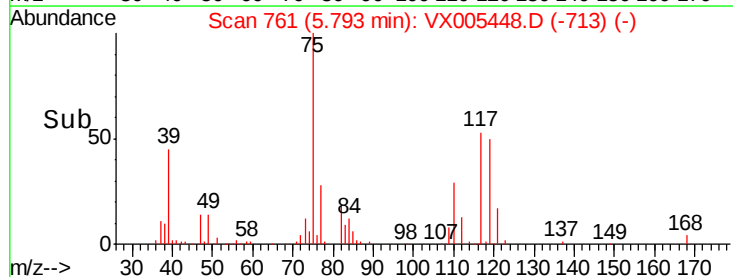
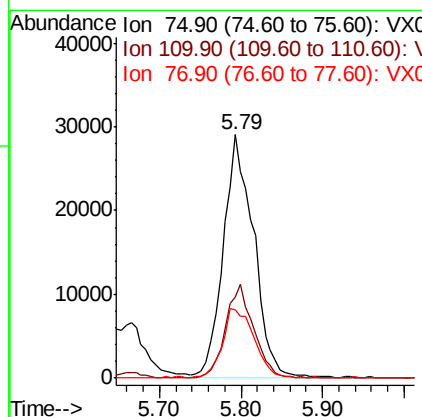
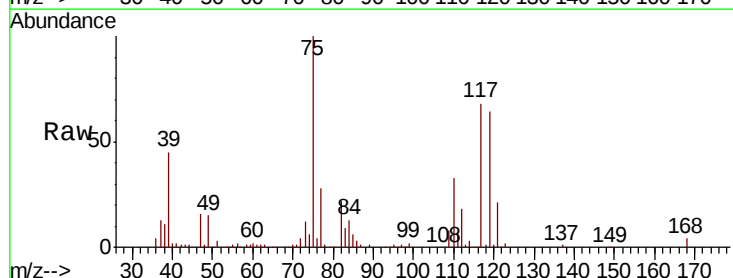
RT: 5.79 min Scan# 761

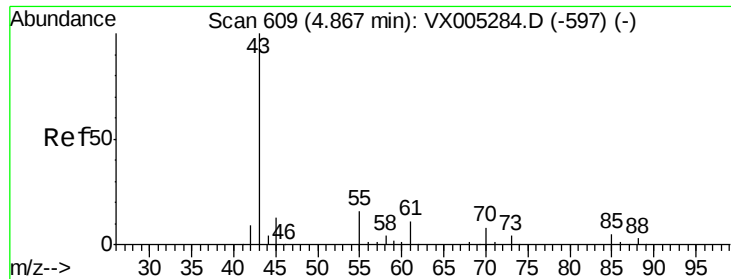
Delta R.T. -0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Tgt Ion:	75	Resp:	74096
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.0	54.0
77	29.7	24.6	36.8





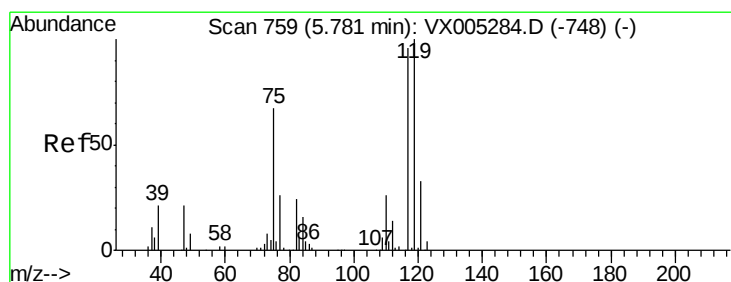
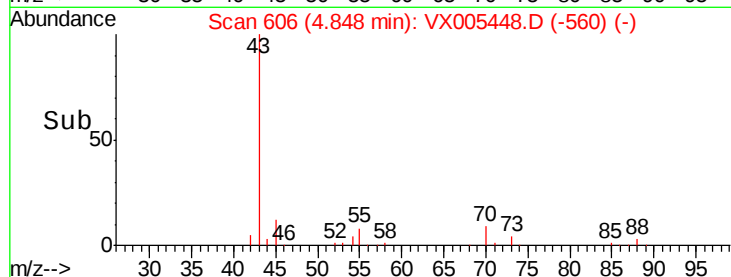
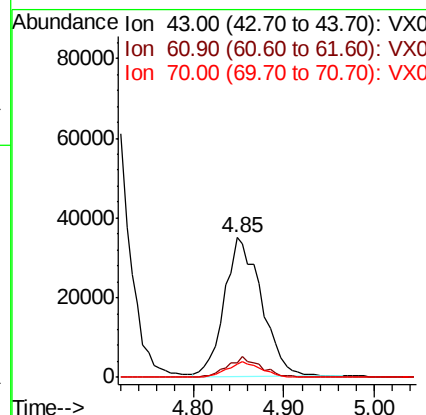
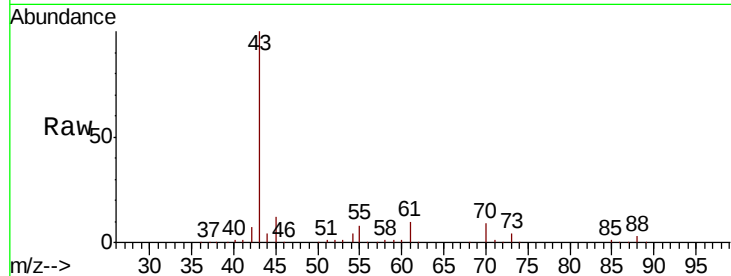
#37
Ethyl Acetate
Concen: 18.699 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.02 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.5	17.3
70	10.3	9.0	13.6

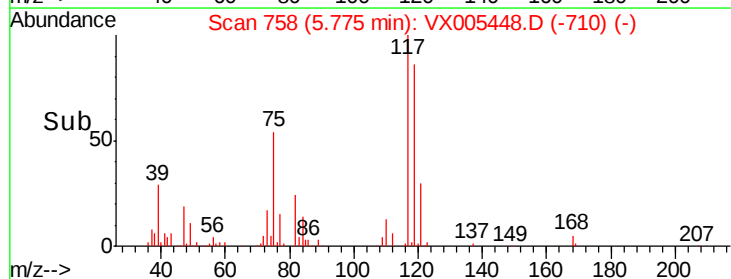
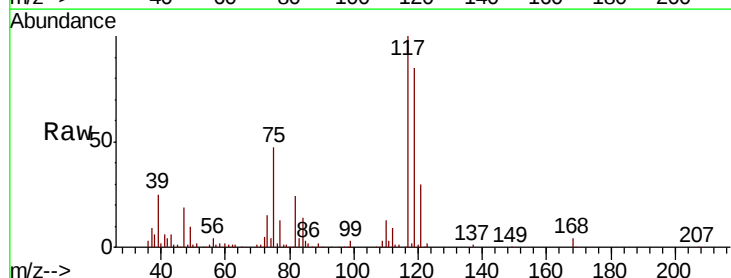
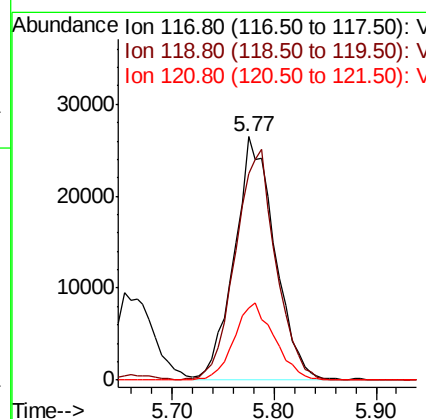
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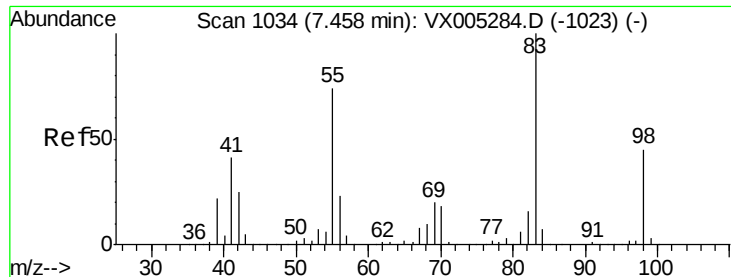
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#38
Carbon Tetrachloride
Concen: 17.354 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.0	78.8	118.2
121	29.7	24.9	37.3





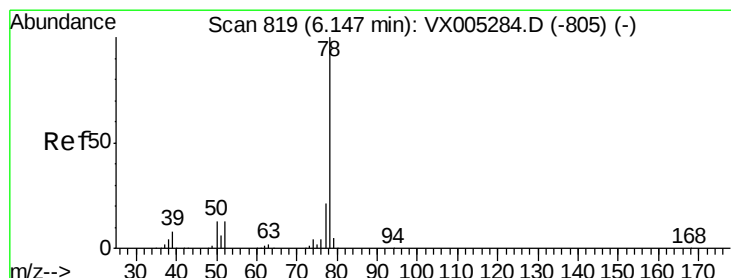
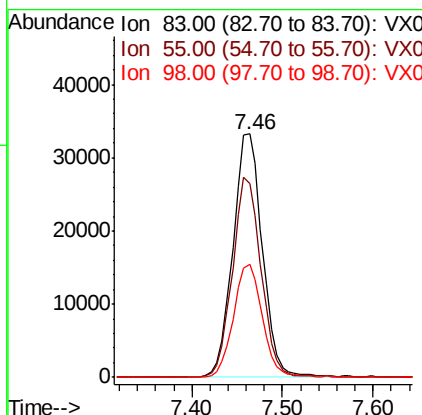
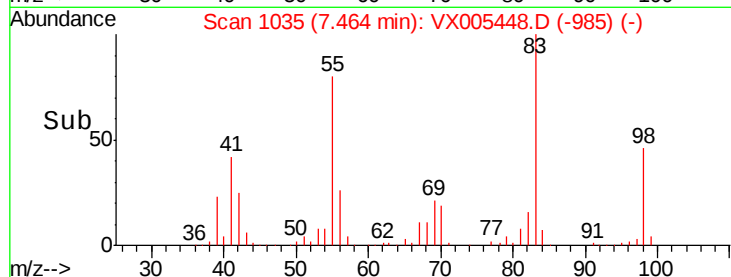
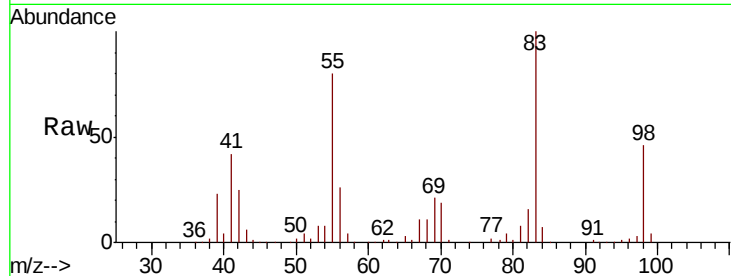
#39
Methvlcvclohexane
Concen: 16.670 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.0	91.4
98	46.5	39.6	59.4

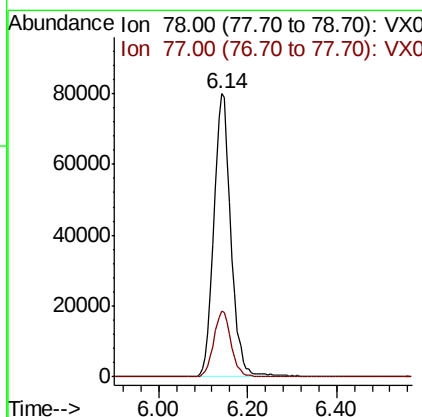
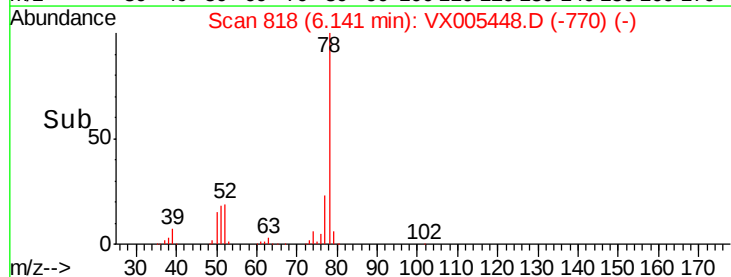
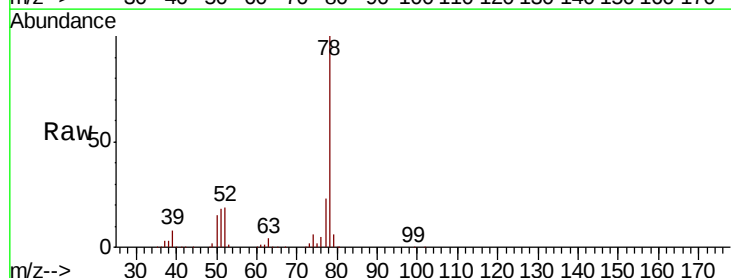
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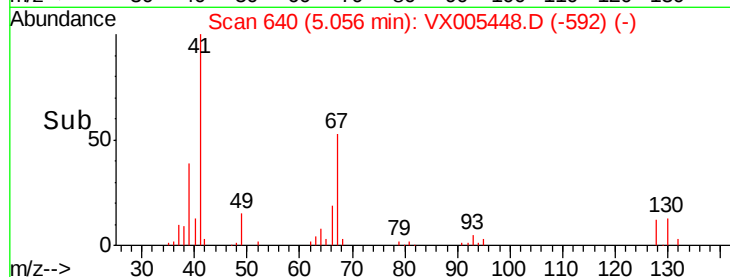
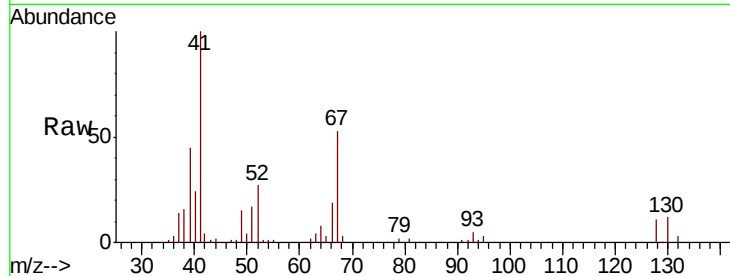
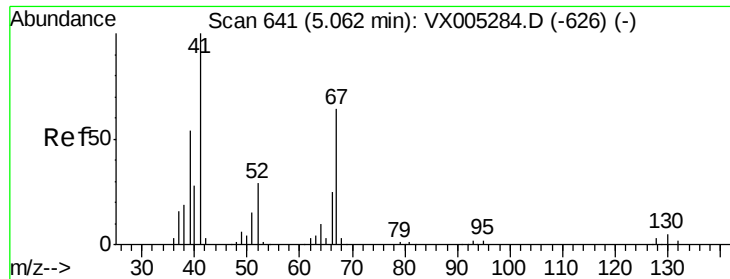
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#40
Benzene
Concen: 17.018 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





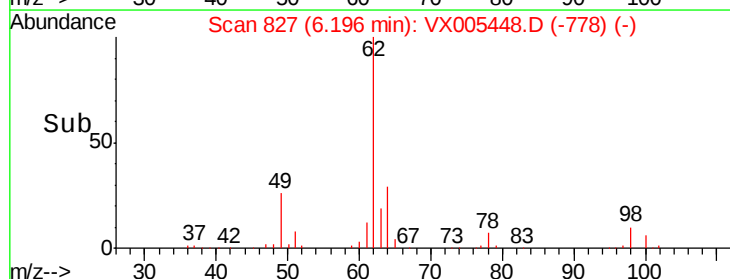
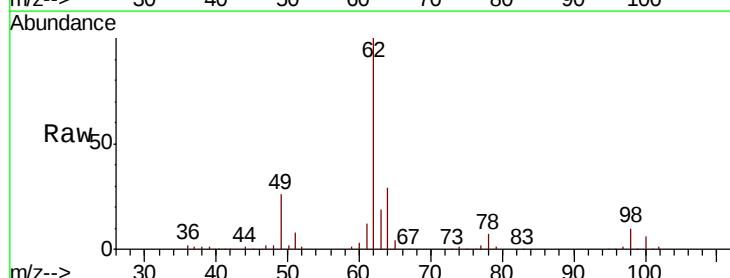
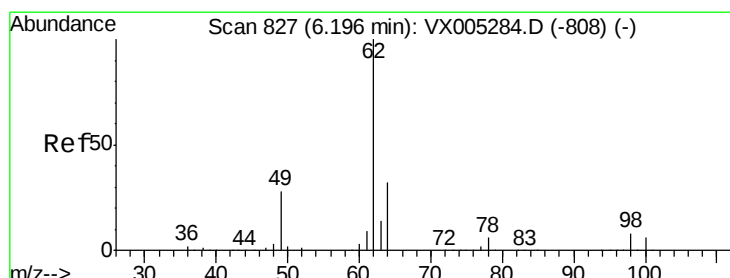
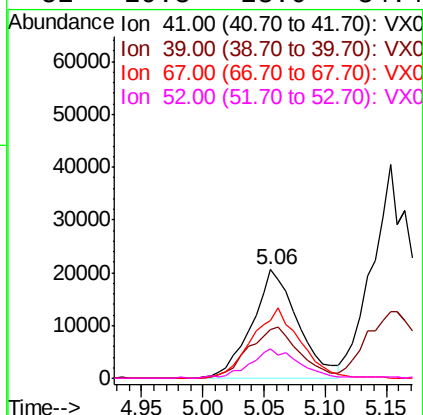
#41
Methacrylonitrile
Concen: 18.772 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	42.4	63.6	
67	67.6	59.2	88.8	
52	29.3	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

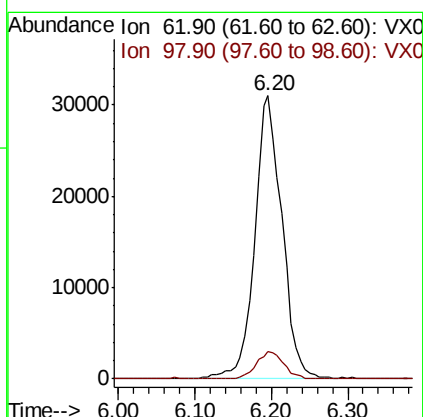
Manual Integrations
APPROVED

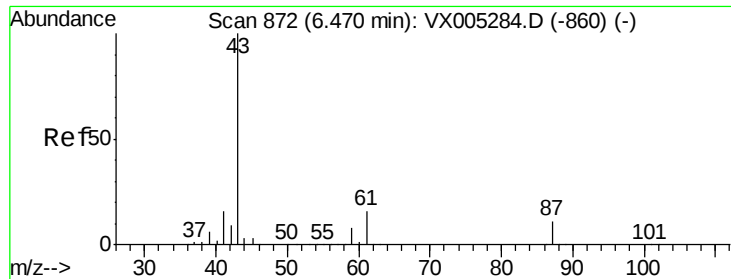
MMDadoda
10/22/2018 11:06:51 AM



#42
1,2-Dichloroethane
Concen: 17.483 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.6	





#43

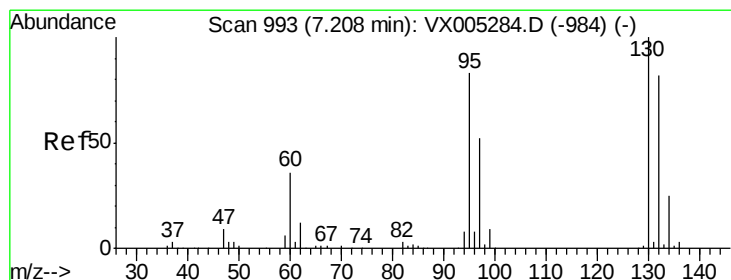
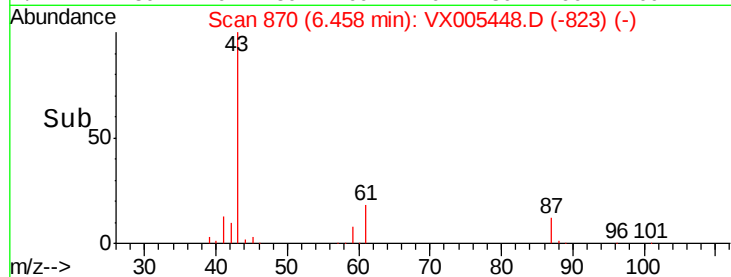
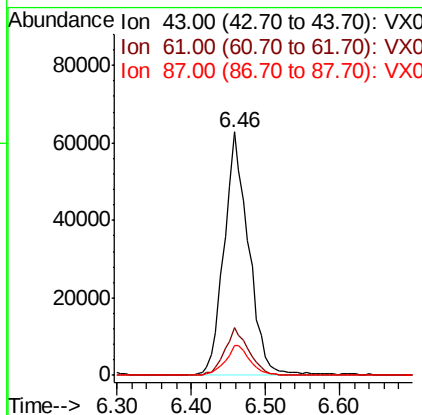
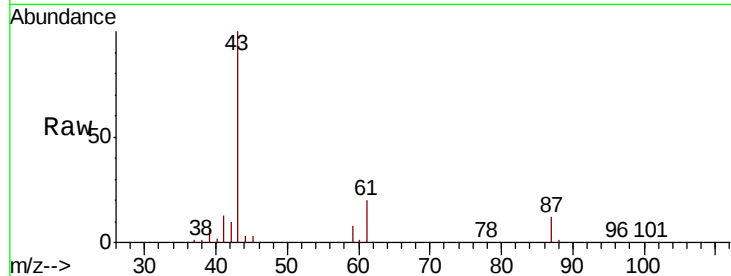
Isopropyl Acetate
 Concen: 20.200 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	17.0	25.4
87	12.5	11.4	17.2

Manual Integrations
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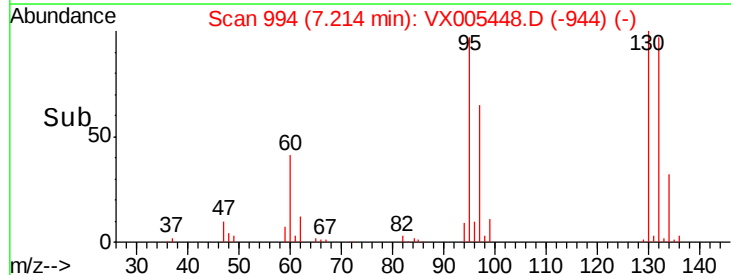
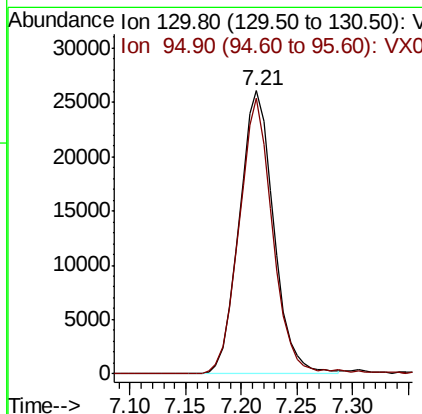
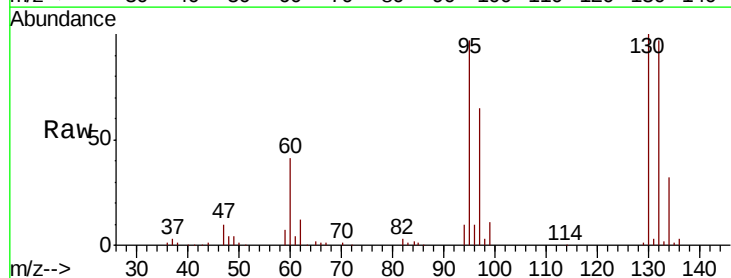
MMDadoda
 10/22/2018 11:06:51 AM

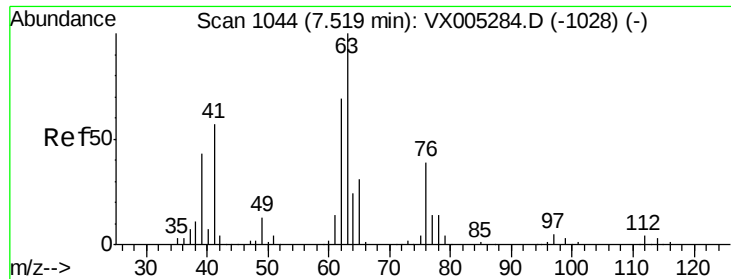


#44

Trichloroethene
 Concen: 17.187 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	181.6





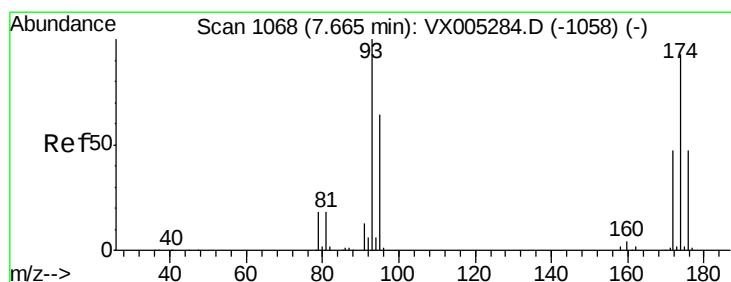
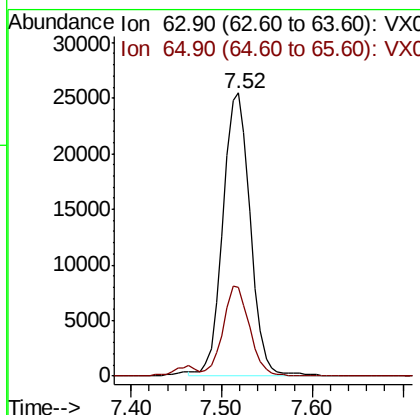
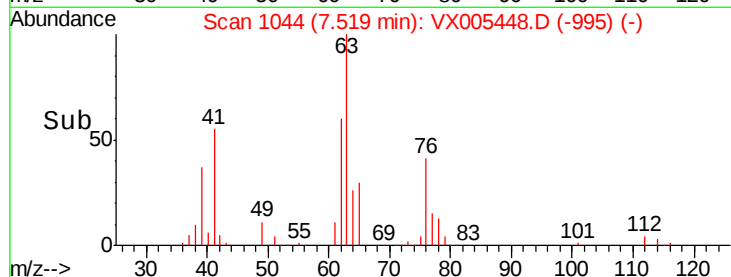
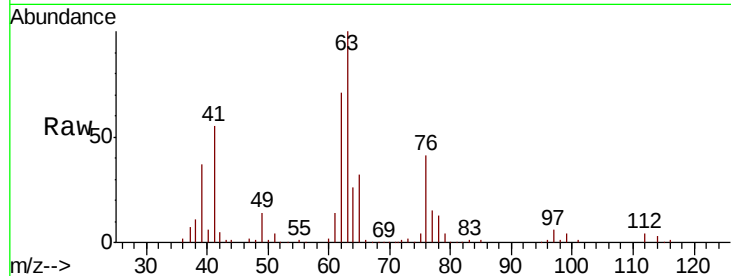
#45
 1,2-Dichloropropane
 Concen: 17.541 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBS01

Tot Ion: 63 Resp: 53631
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5

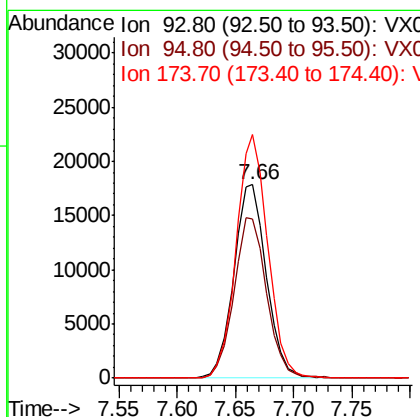
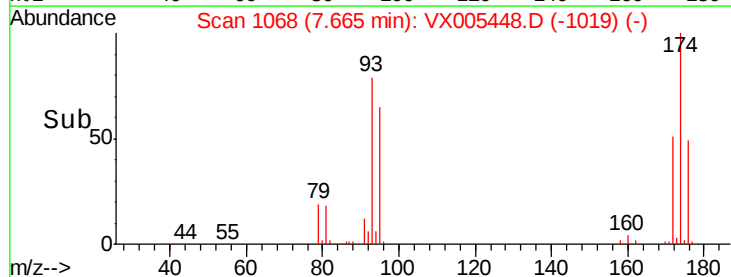
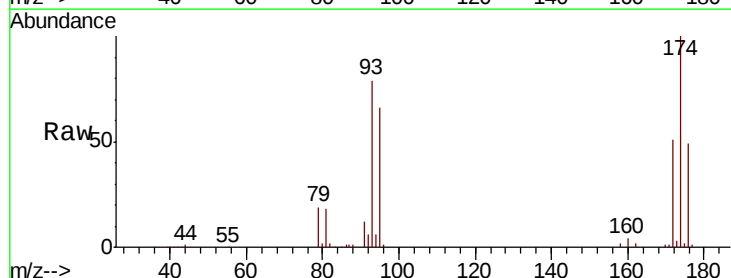
Manual Integrations
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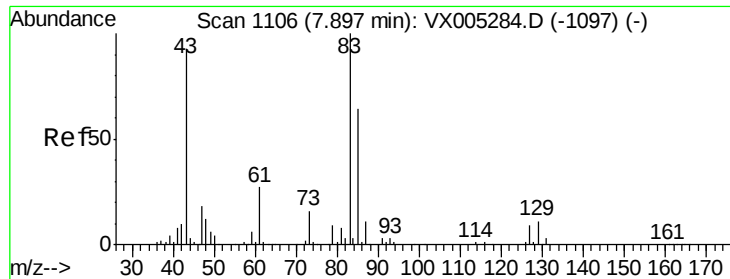
MMDadoda
 10/22/2018 11:06:51 AM



#46
 Dibromomethane
 Concen: 17.244 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Tgt Ion: 93 Resp: 34798
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.5 98.3
 174 122.0 94.2 141.4





#47

Bromodichloromethane

Concen: 17.948 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

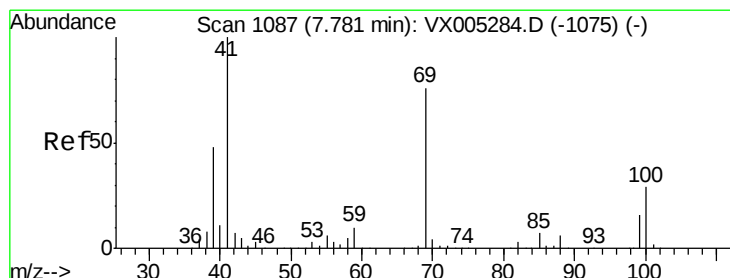
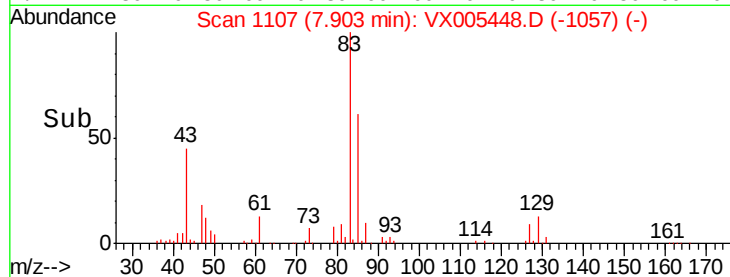
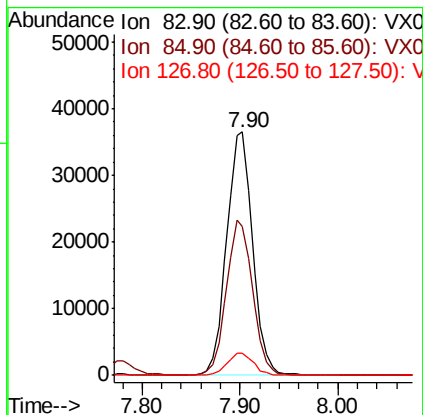
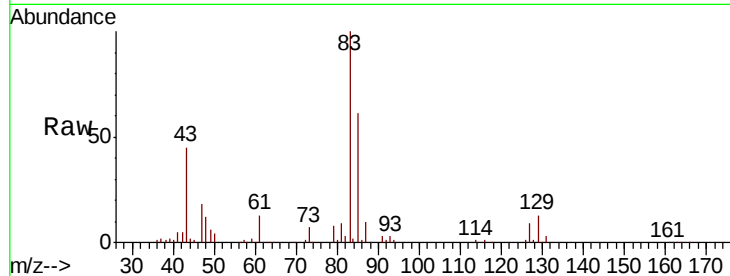
ClientSampleId :

VX1019MBS01

Tot Ion:	83	Resp:	66993
Ion	Ratio	Lower	Upper
83	100		
85	61.0	50.9	76.3
127	8.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.781 ug/l

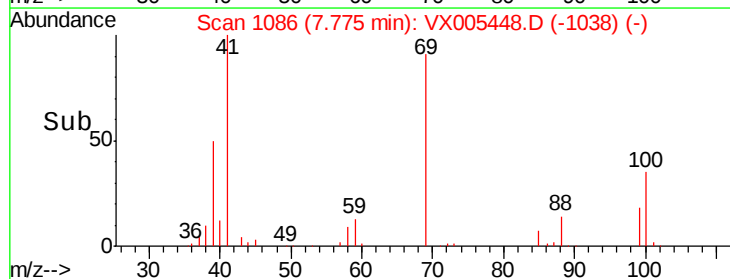
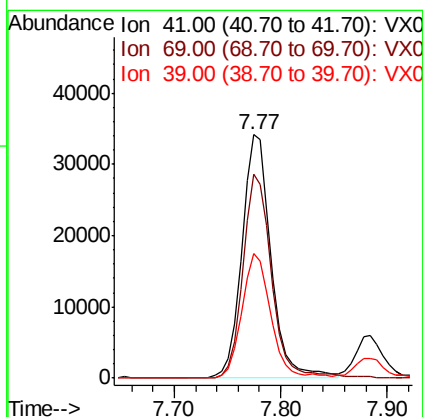
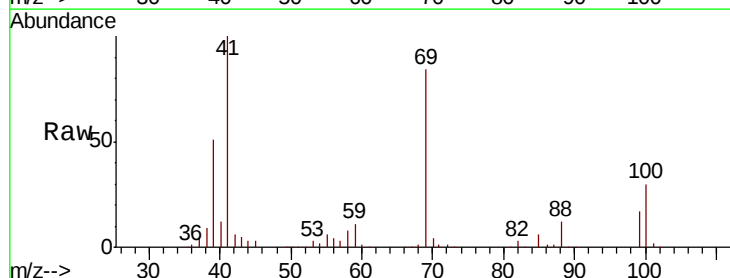
RT: 7.77 min Scan# 1086

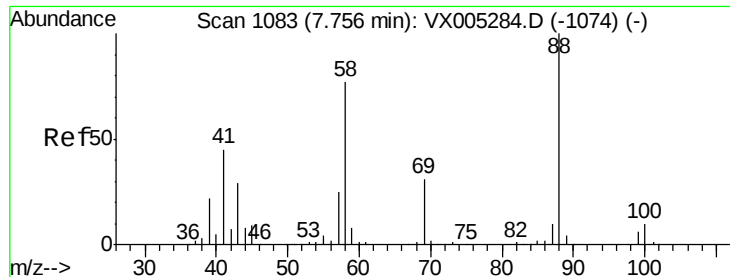
Delta R.T. -0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Tgt Ion:	41	Resp:	65642
Ion	Ratio	Lower	Upper
41	100		
69	83.1	70.2	105.4
39	50.8	42.7	64.1





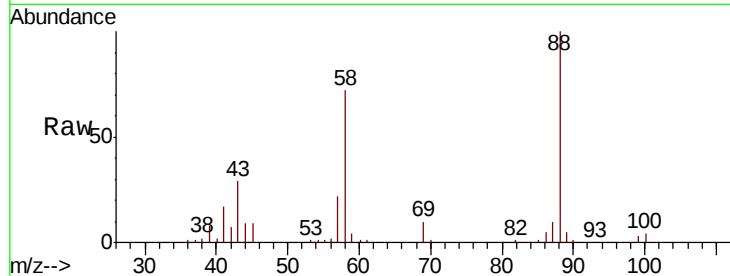
#49
1,4-Dioxane
Concen: 366.149 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	24.7	37.1
58	72.0	55.3	82.9

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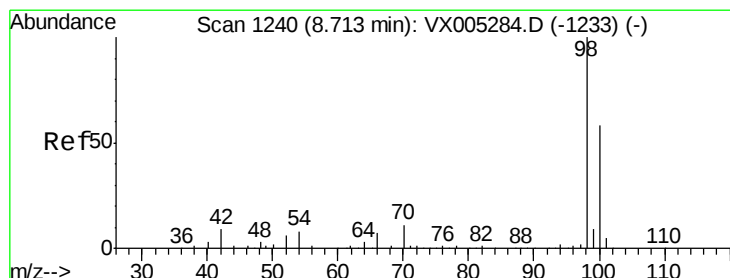
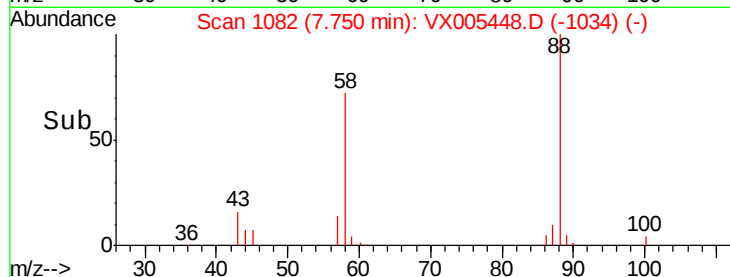
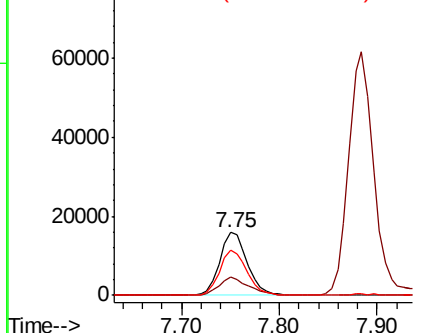


Abundance

Ion 88.00 (87.70 to 88.70): VX0

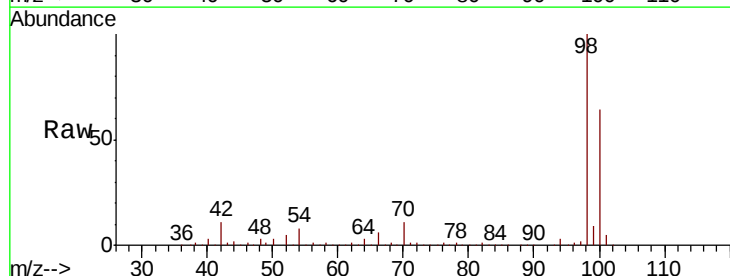
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.925 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

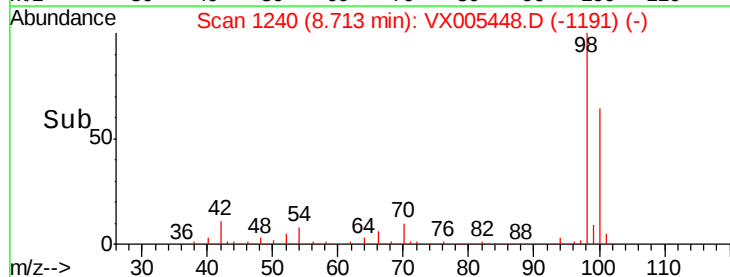
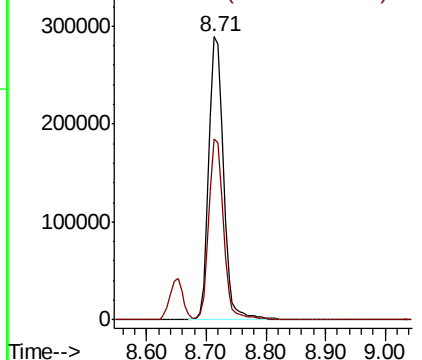
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.9	79.3

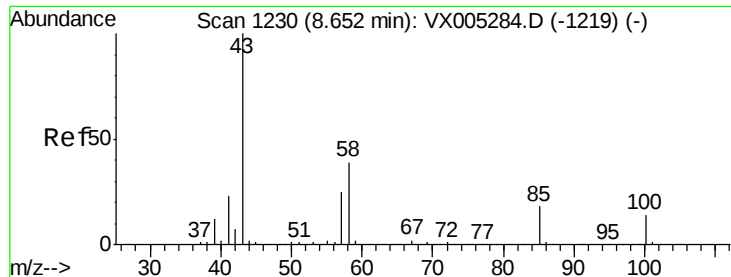


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 91.823 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 43 Resp: 452555

Ion Ratio Lower Upper

43 100

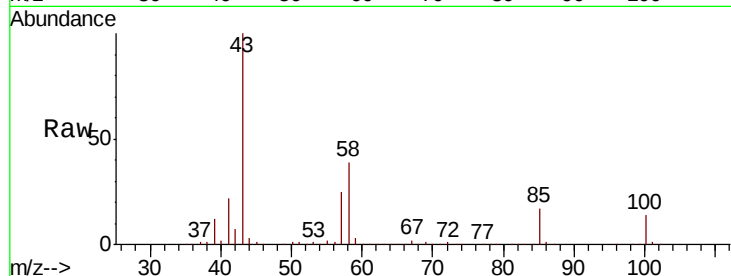
58 38.5 33.1 49.7

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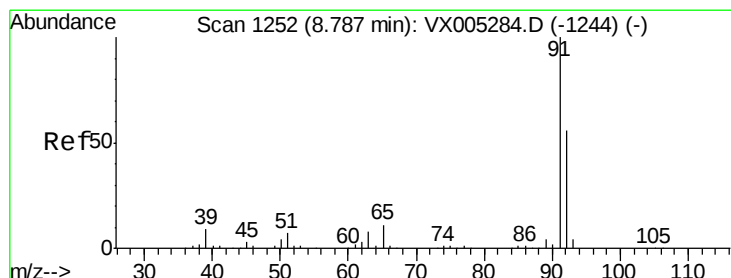
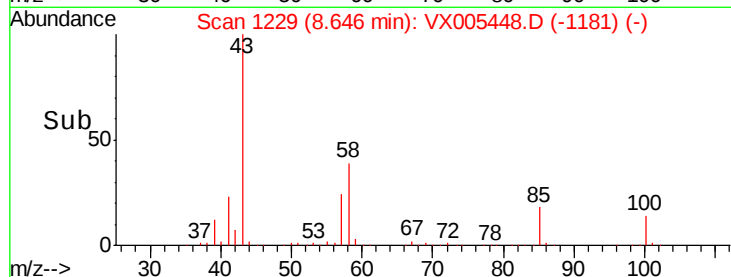
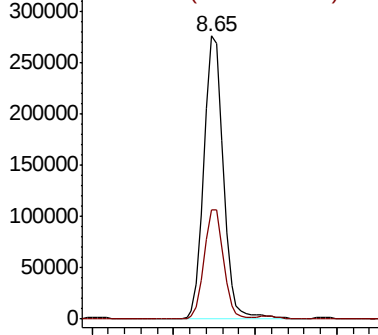
MMDadoda

10/22/2018 11:06:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.886 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005448.D

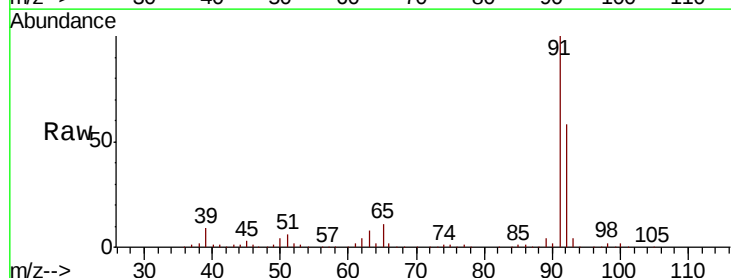
Acq: 19 Oct 2018 10:46

Tgt Ion: 92 Resp: 128784

Ion Ratio Lower Upper

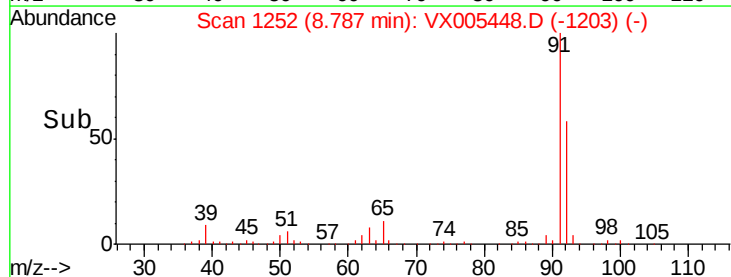
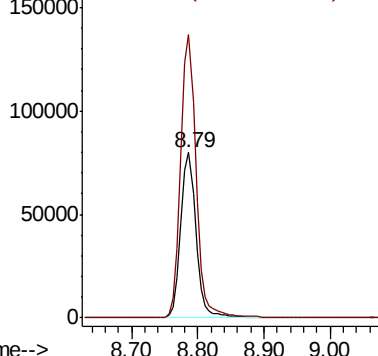
92 100

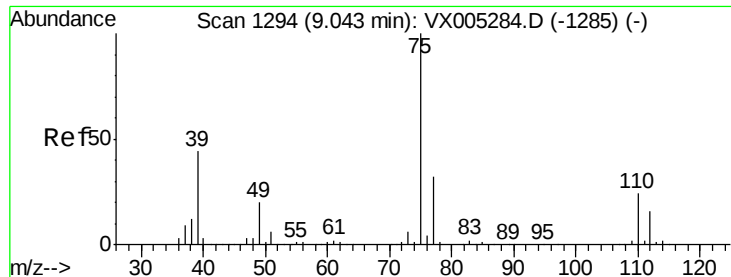
91 172.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





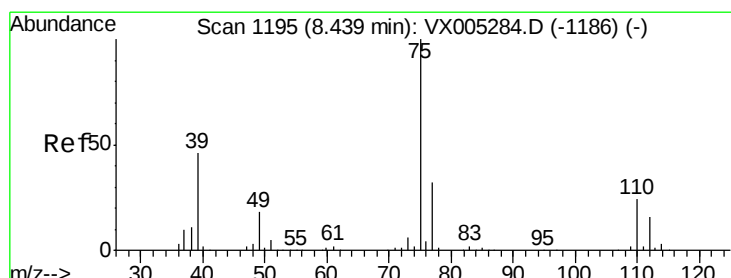
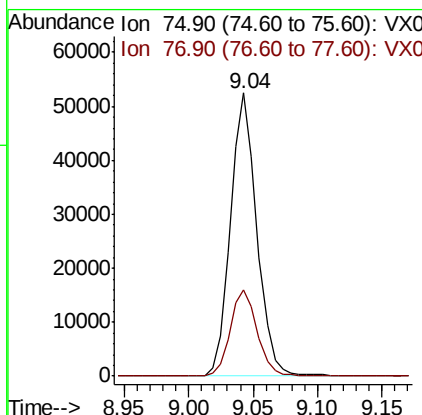
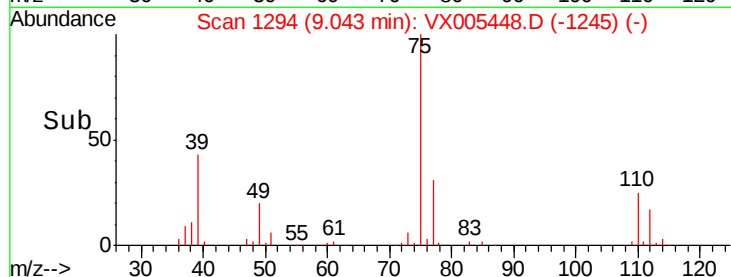
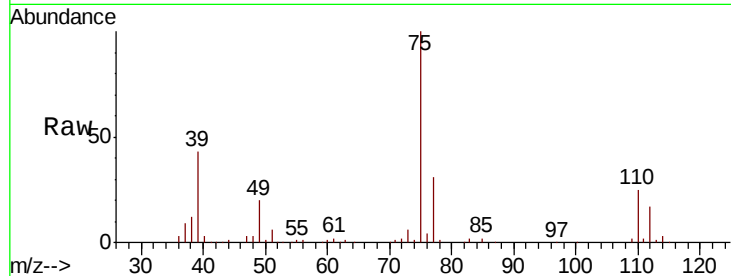
#53
t-1,3-Dichloropropene
Concen: 18.570 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion: 75 Resp: 75012
Ion Ratio Lower Upper
75 100
77 30.7 24.6 37.0

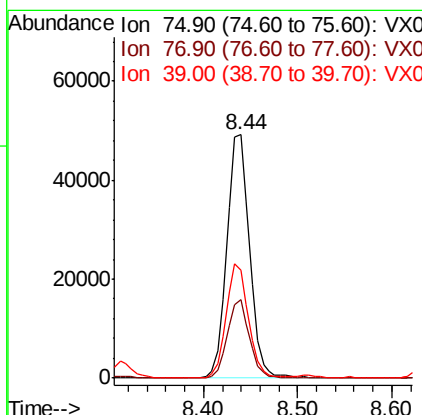
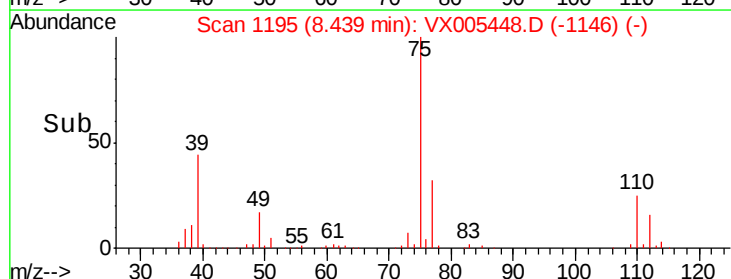
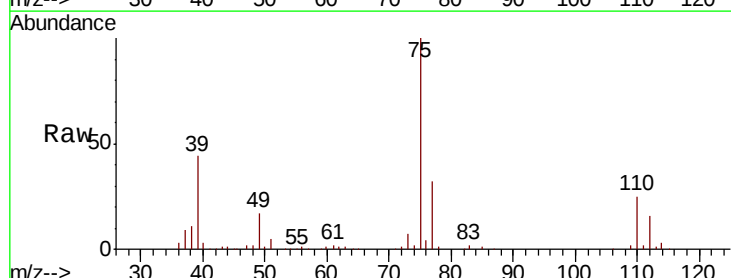
Manual Integrations
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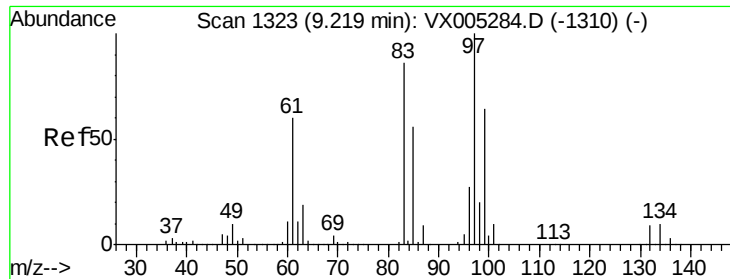
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.750 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion: 75 Resp: 82067
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
39 44.1 36.4 54.6





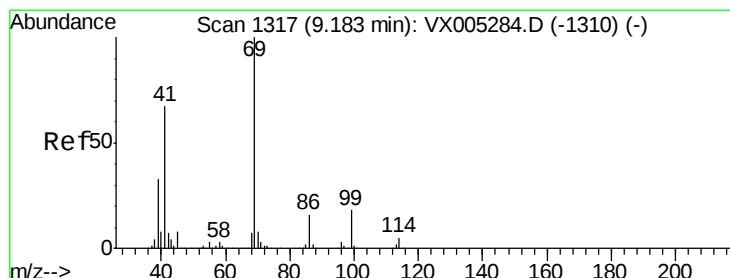
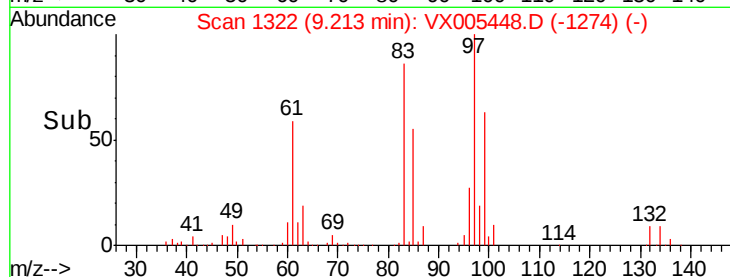
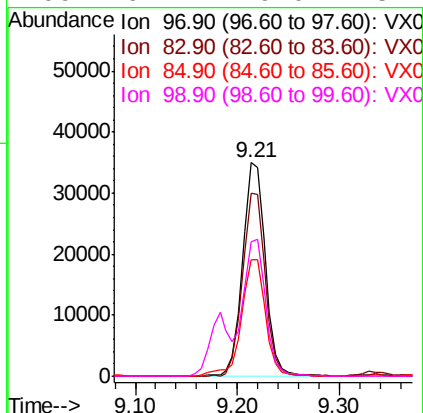
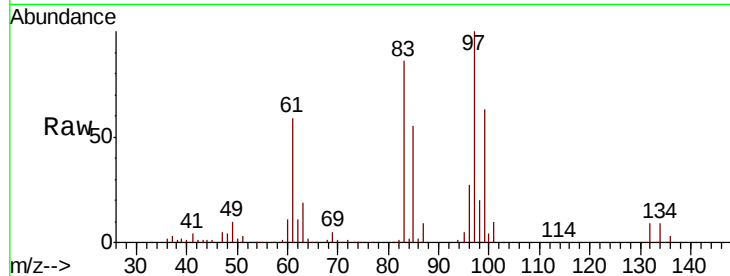
#55
 1,1,2-Trichloroethane
 Concen: 18.680 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		53952		
83	86.0	66.4	99.6		
85	54.6	43.3	64.9		
99	62.7	49.0	73.4		

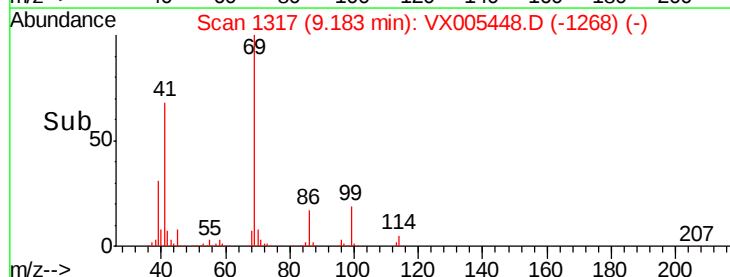
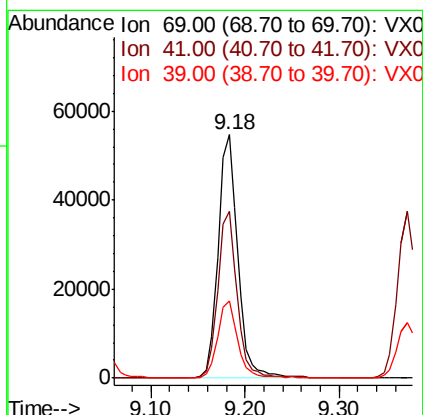
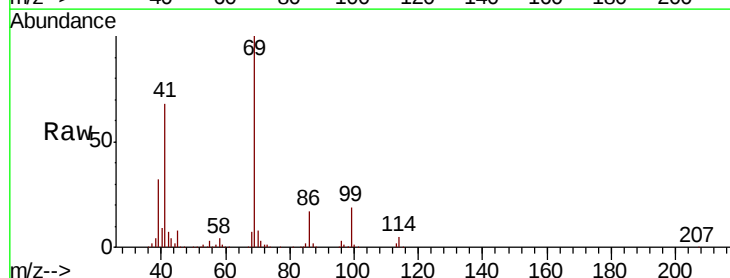
Manual Integrations
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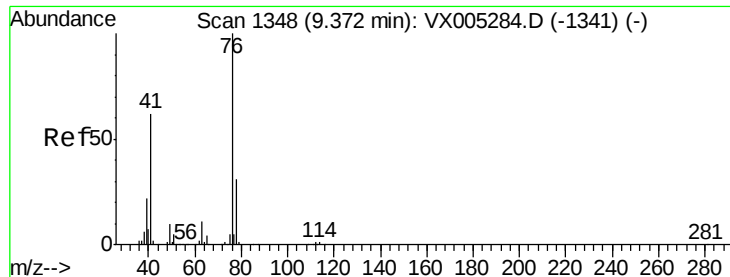
MMDadoda
 10/22/2018 11:06:51 AM



#56
 Ethyl methacrylate
 Concen: 18.895 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		79558		
41	66.9	51.0	76.4		
39	31.8	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 18.650 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 76 Resp: 89905

Ion Ratio Lower Upper

76 100

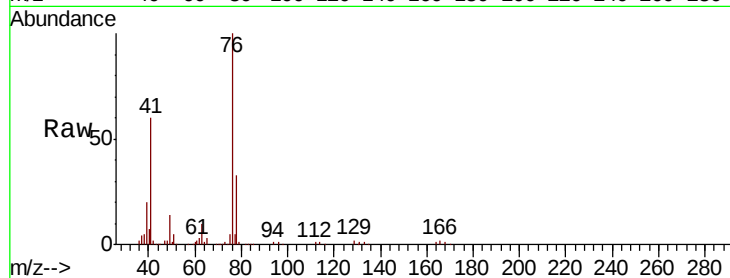
78 32.1 25.5 38.3

Manual Integrations

APPROVED

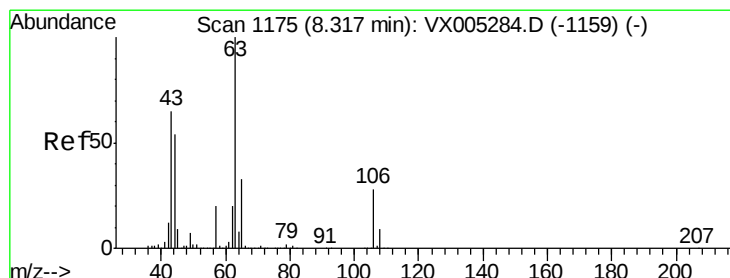
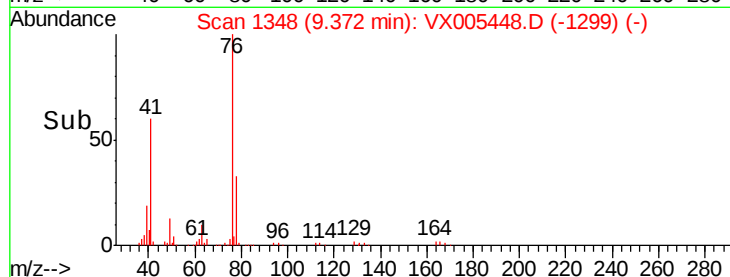
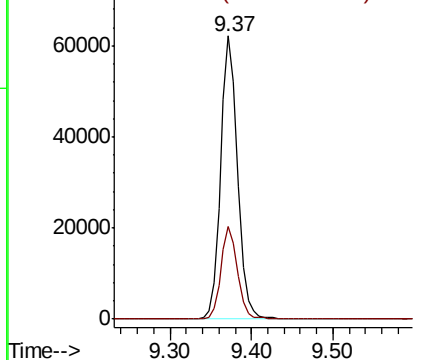
MMDadoda

10/22/2018 11:06:51 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 106.090 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005448.D

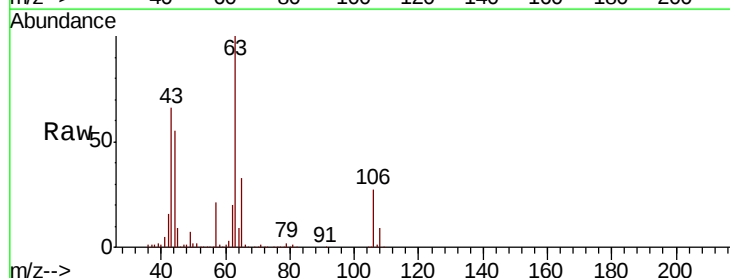
Acq: 19 Oct 2018 10:46

Tgt Ion: 63 Resp: 250511

Ion Ratio Lower Upper

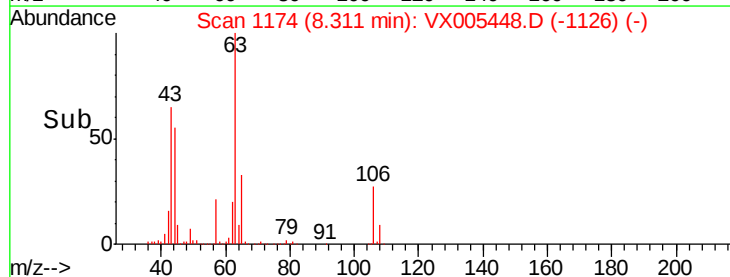
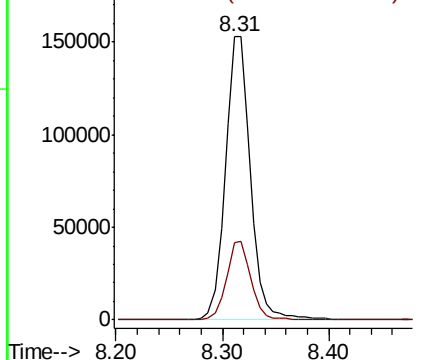
63 100

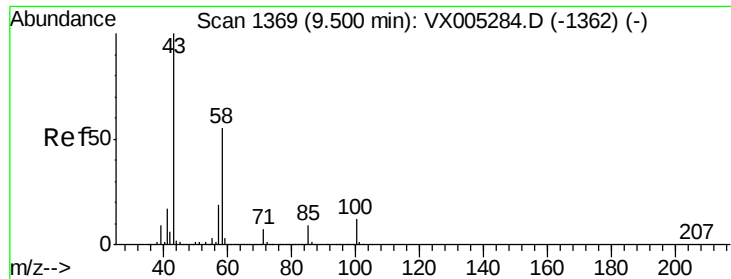
106 27.3 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





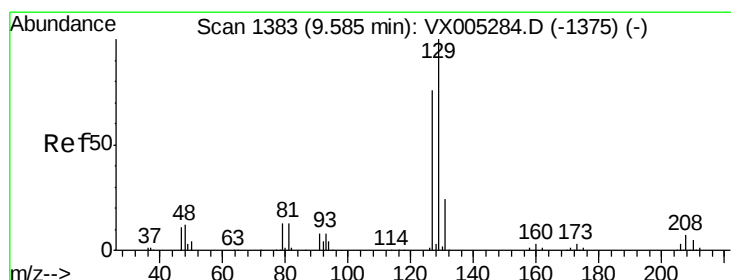
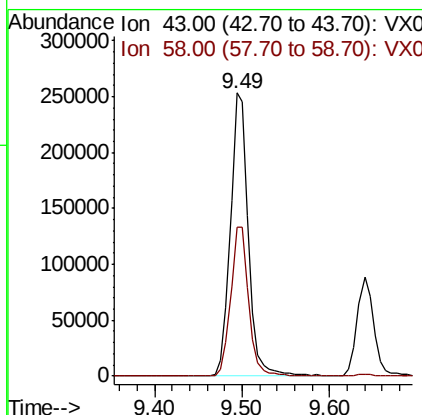
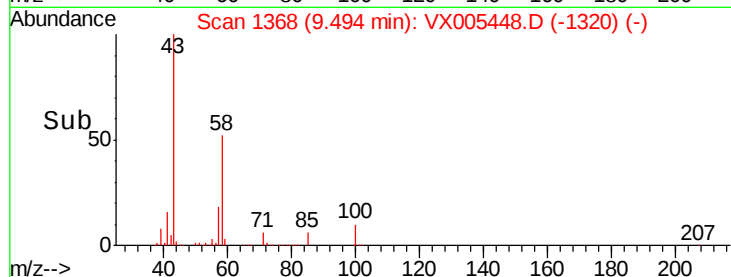
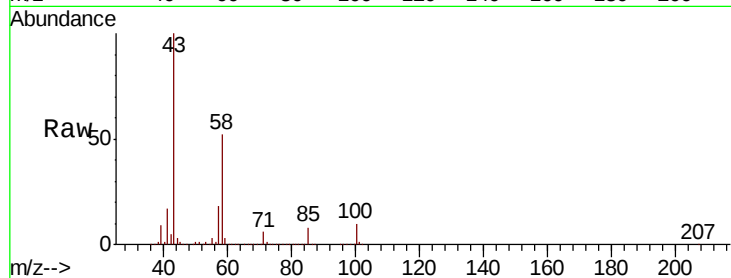
#59
2-Hexanone
Concen: 91.146 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion: 43 Resp: 361350
Ion Ratio Lower Upper
43 100
58 53.4 29.0 87.0

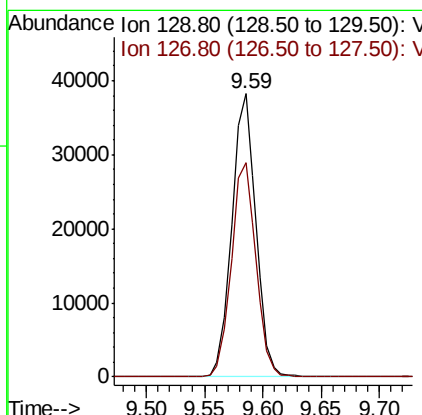
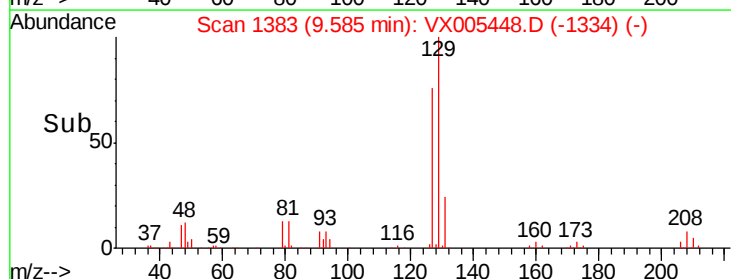
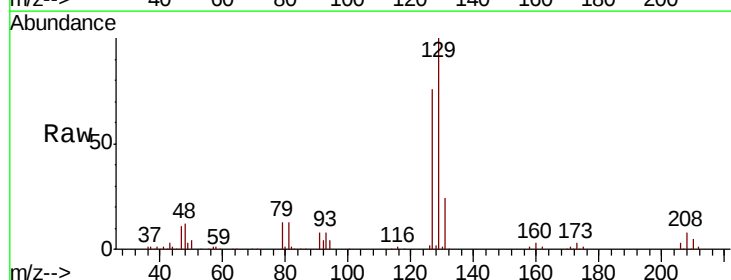
Manual Integrations
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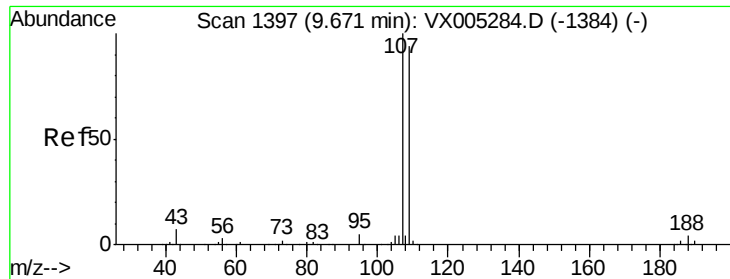
MMDadoda
10/22/2018 11:06:51 AM



#60
Dibromochloromethane
Concen: 18.414 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion: 129 Resp: 54973
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.523 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 107 Resp: 56146

Ion Ratio Lower Upper

107 100

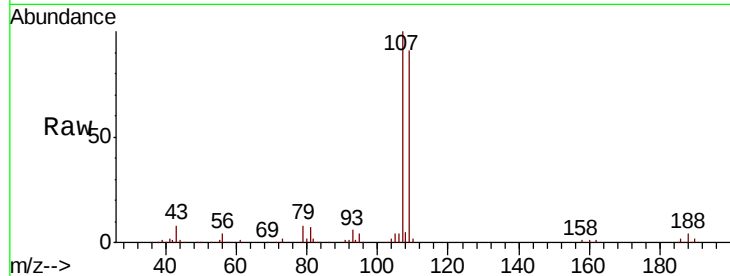
109 93.4 76.0 114.0

Manual Integrations

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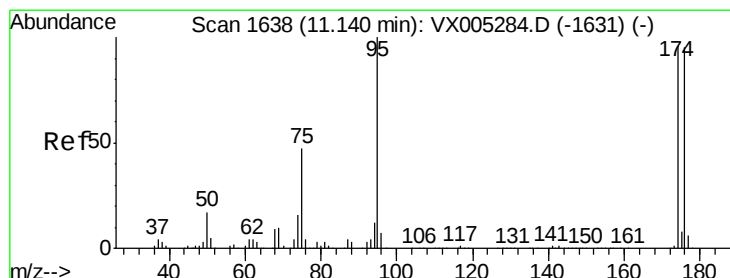
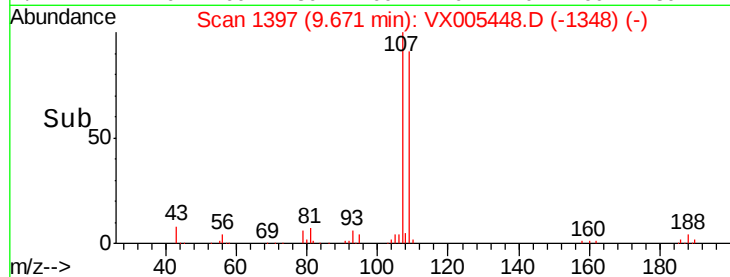
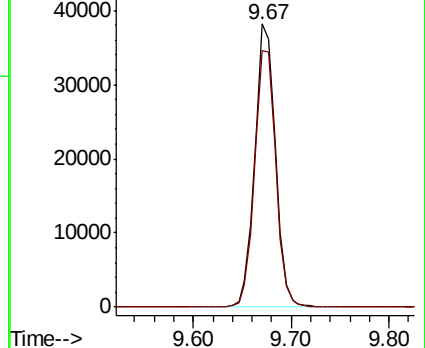
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.866 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

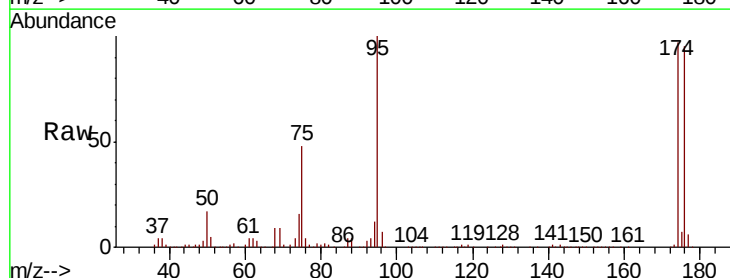
Tgt Ion: 95 Resp: 179072

Ion Ratio Lower Upper

95 100

174 95.4 0.0 185.2

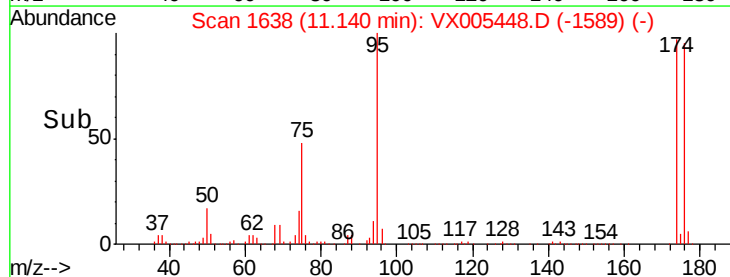
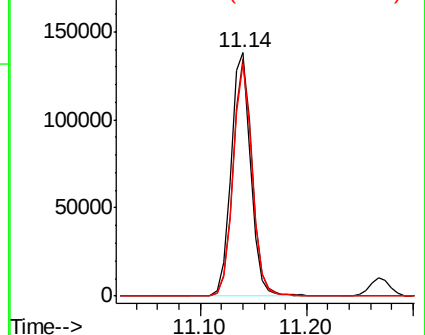
176 92.7 0.0 178.6

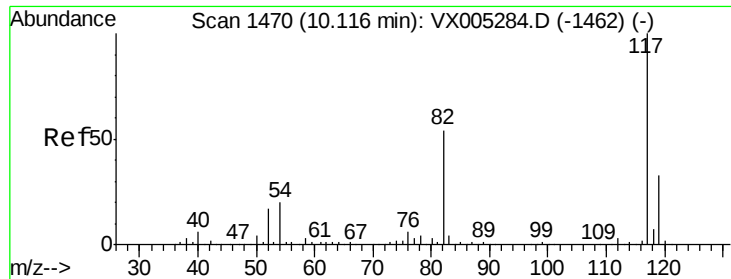


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion:117 Resp: 369526

Ion Ratio Lower Upper

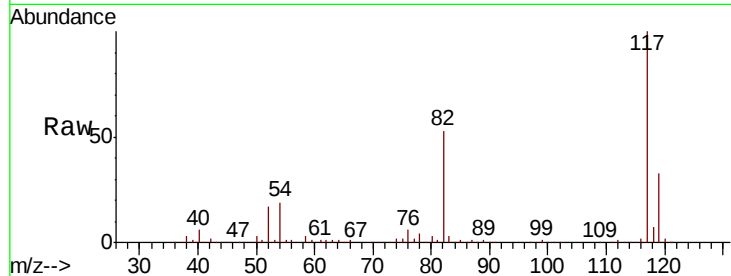
117 100

82 53.2 47.8 71.6

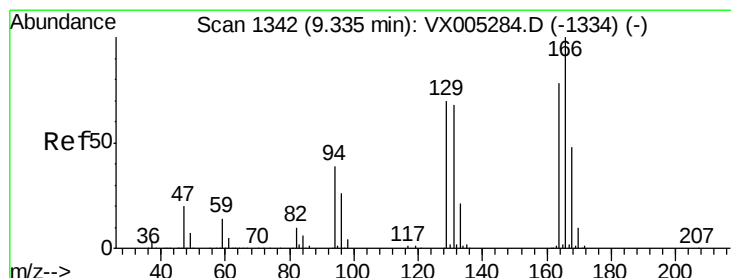
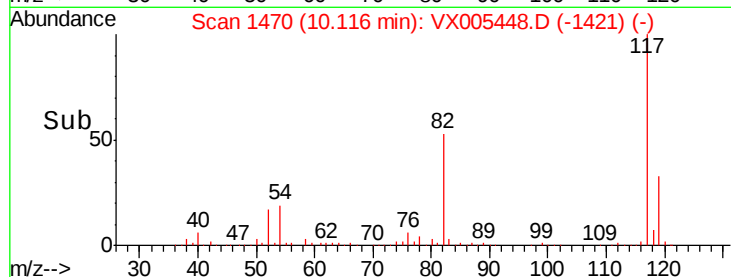
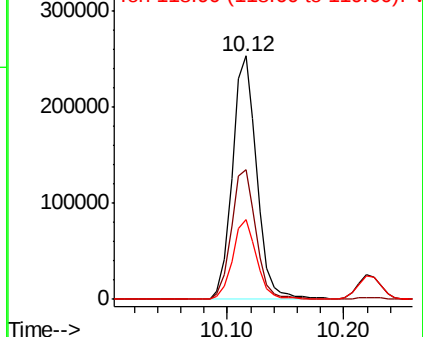
119 32.7 29.3 43.9

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.962 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Tgt Ion:164 Resp: 59386

Ion Ratio Lower Upper

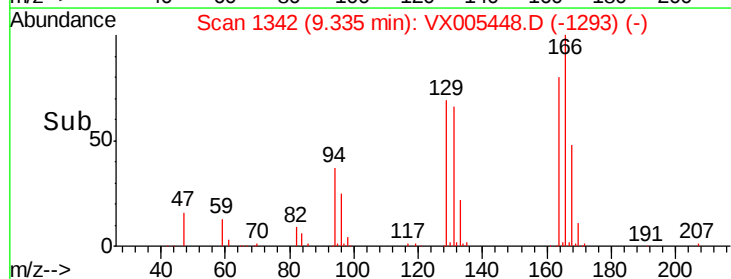
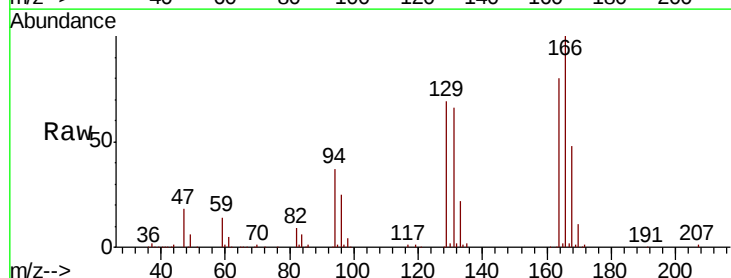
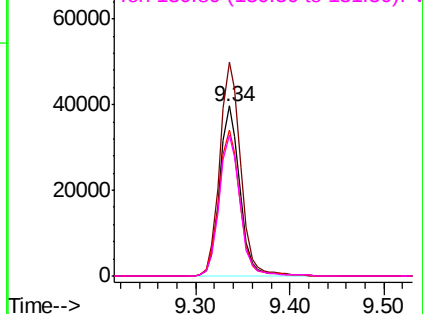
164 100

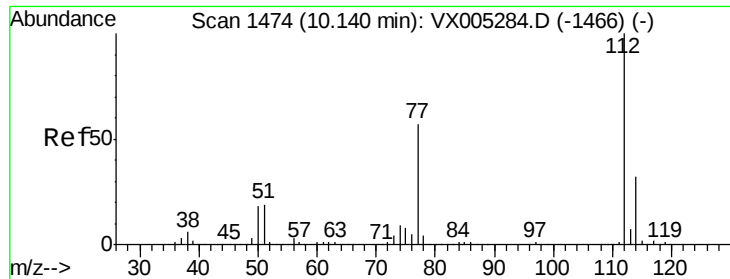
166 125.7 102.8 154.2

129 86.1 69.4 104.0

131 82.8 67.9 101.9

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





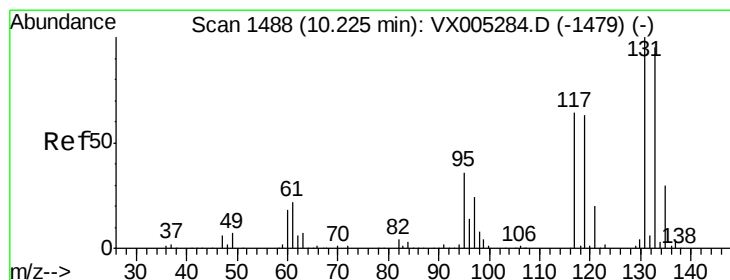
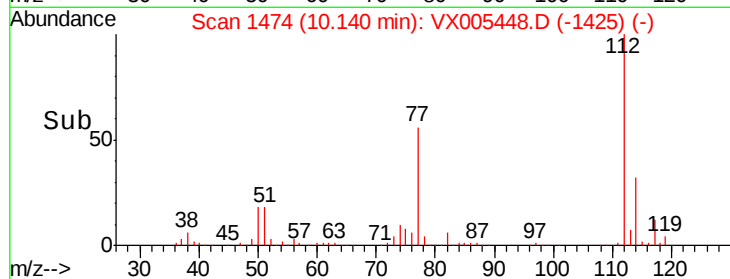
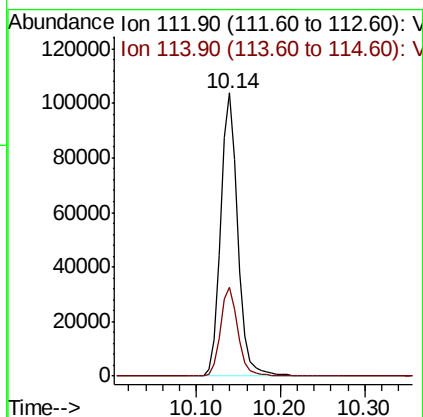
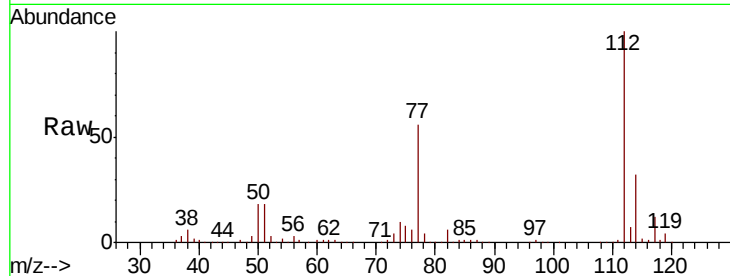
#65
Chlorobenzene
Concen: 18.671 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion:112 Resp: 146760
Ion Ratio Lower Upper
112 100
114 31.6 27.8 41.8

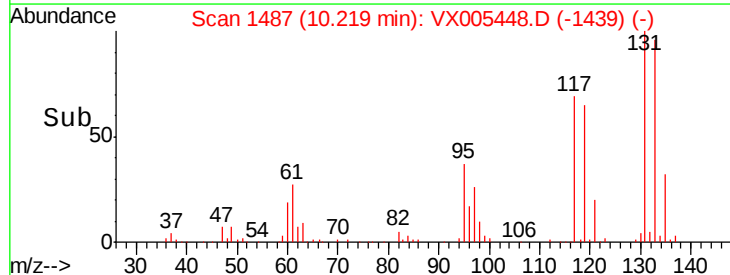
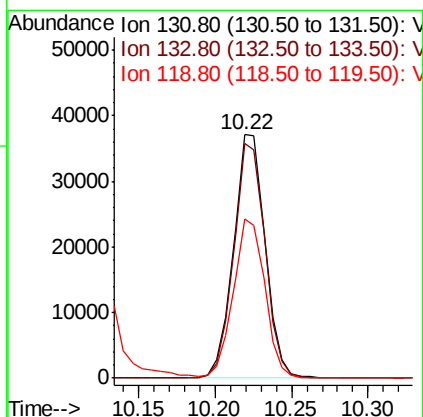
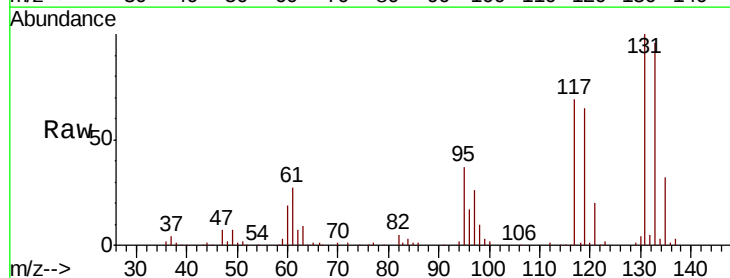
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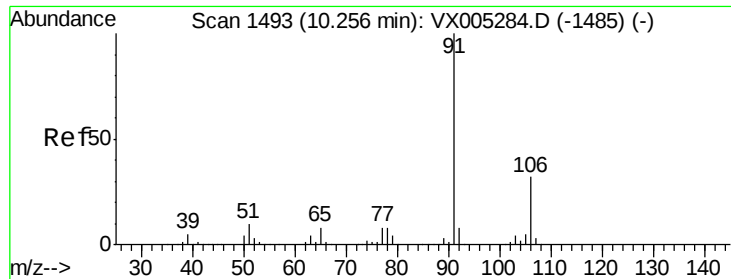
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.910 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion:131 Resp: 52968
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 65.3 32.9 98.6





#67

Ethyl Benzene

Concen: 18.905 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 91 Resp: 241569

Ion Ratio Lower Upper

91 100

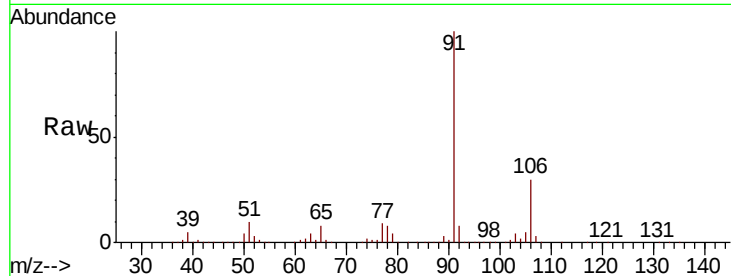
106 30.1 25.9 38.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005284.D (-1485) (-)

300000

250000

200000

150000

100000

50000

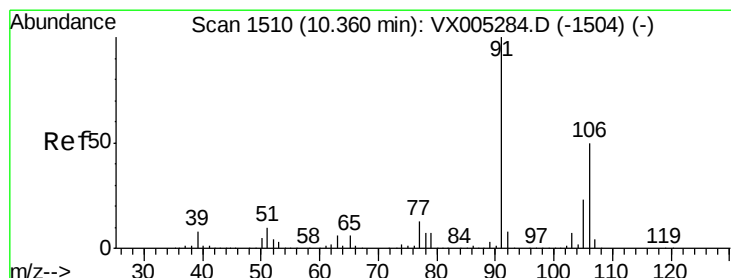
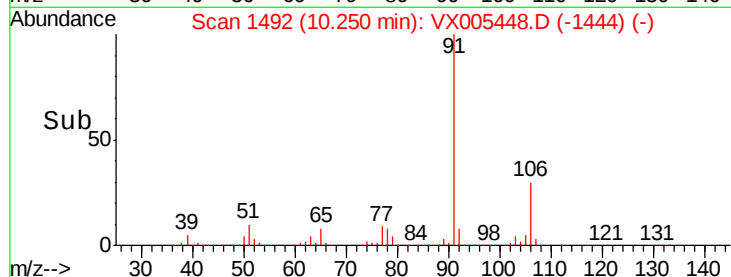
0

10.20

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 38.097 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005448.D

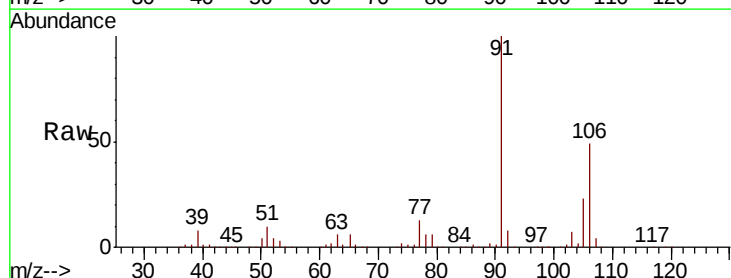
Acq: 19 Oct 2018 10:46

Tgt Ion: 106 Resp: 188949

Ion Ratio Lower Upper

106 100

91 202.9 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX005284.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1504) (-)

300000

250000

200000

150000

100000

50000

0

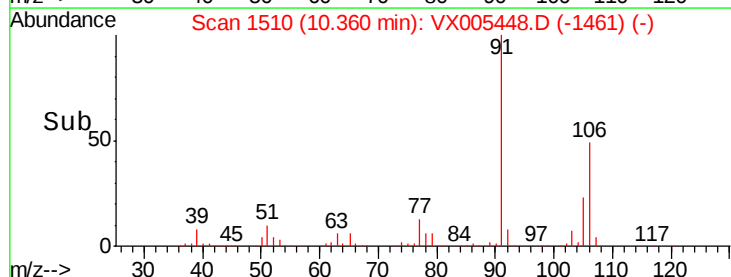
10.30

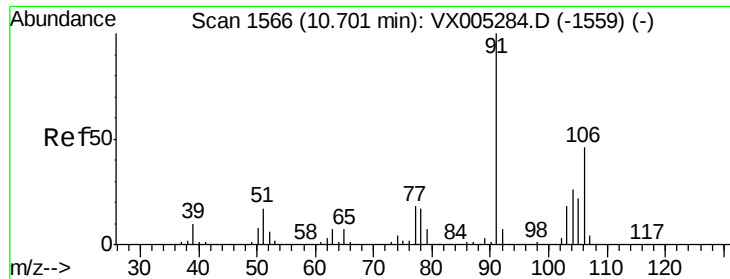
10.36

10.40

10.50

Time-->





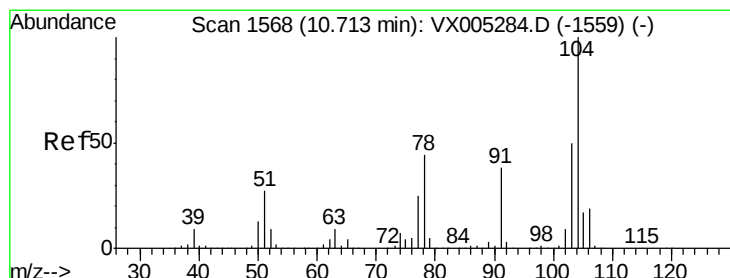
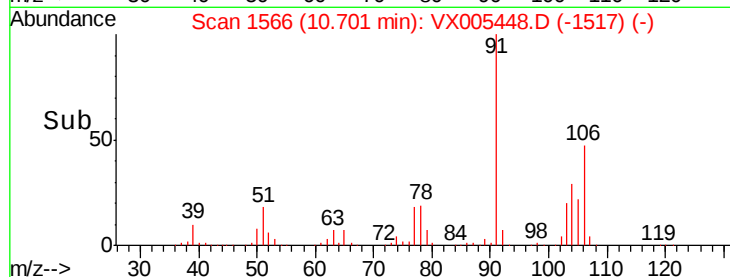
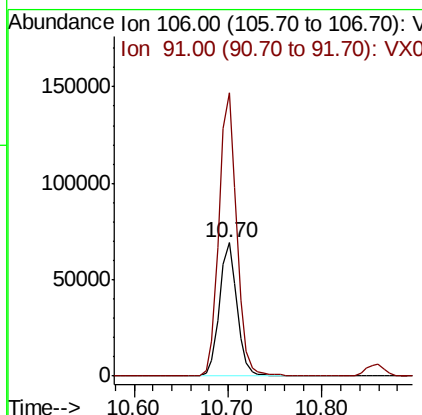
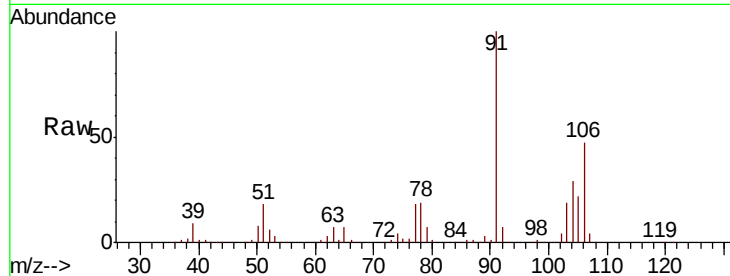
#69
o-Xylene
Concen: 18.842 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion:106 Resp: 90125
Ion Ratio Lower Upper
106 100
91 214.4 105.1 315.1

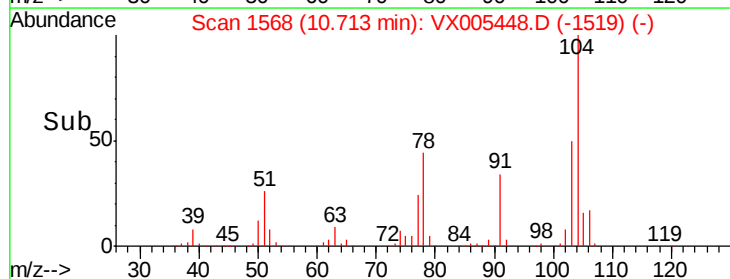
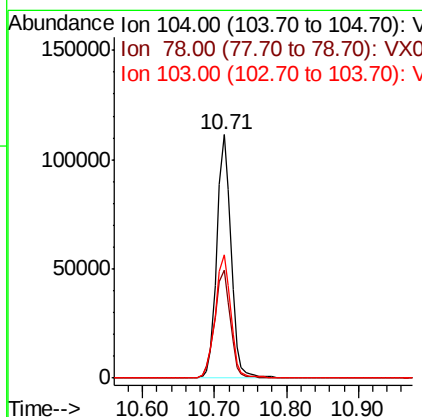
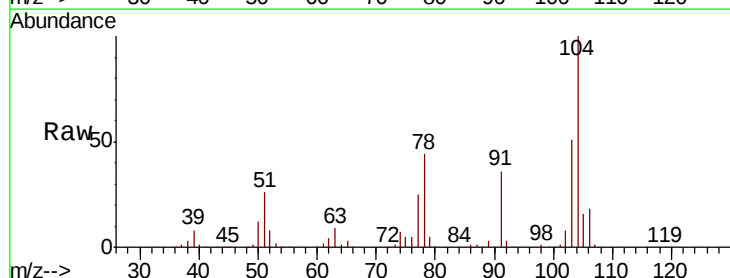
Manual Integrations
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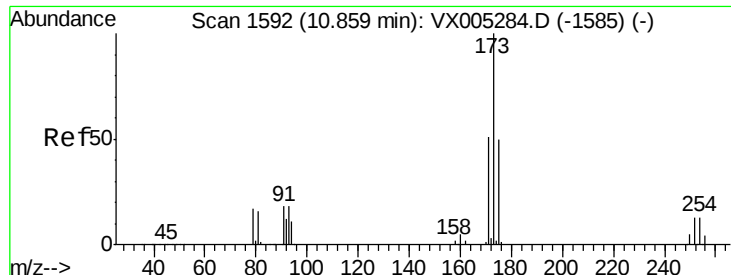
MMDadoda
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#70
Styrene
Concen: 19.287 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion:104 Resp: 151744
Ion Ratio Lower Upper
104 100
78 49.2 37.4 56.0
103 55.5 43.8 65.6





#71

Bromoform

Concen: 18.213 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion:173 Resp: 45590

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.3

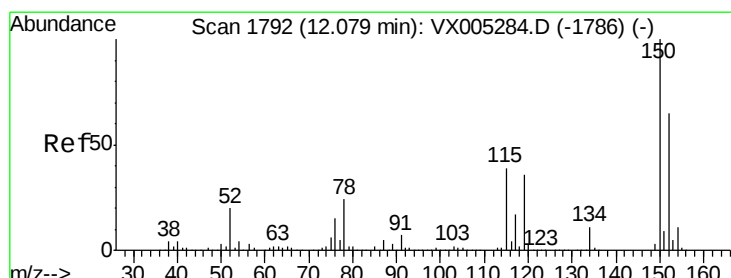
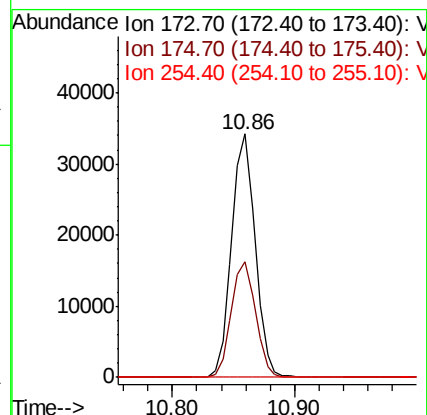
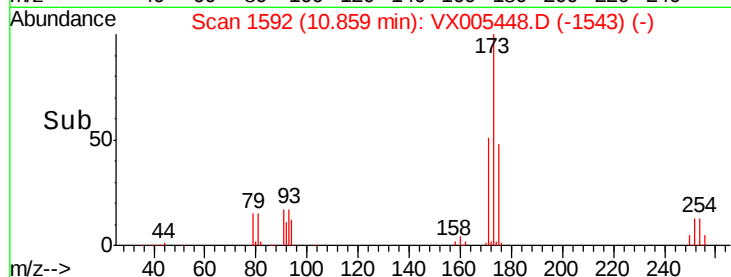
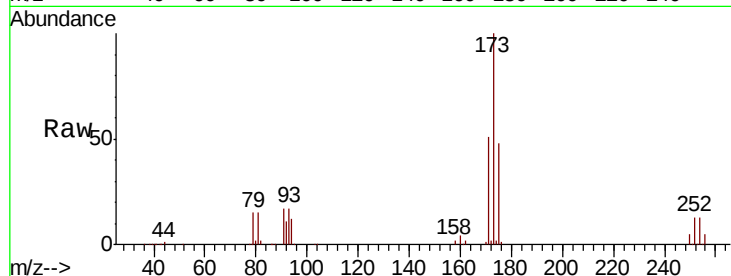
254 0.1 0.2 0.2#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

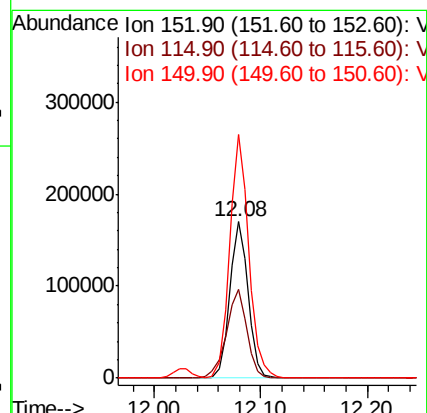
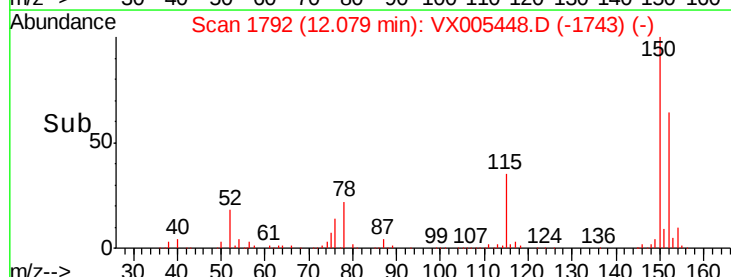
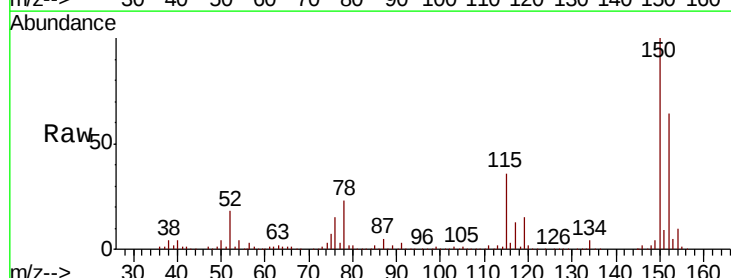
Tgt Ion:152 Resp: 205115

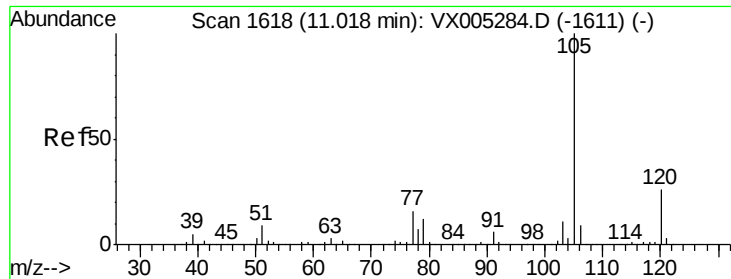
Ion Ratio Lower Upper

152 100

115 62.9 39.0 117.0

150 162.0 0.0 351.0





#73

Isopropylbenzene

Concen: 20.504 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 105 Resp: 250019

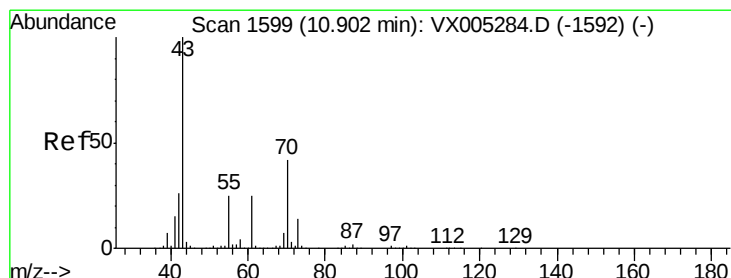
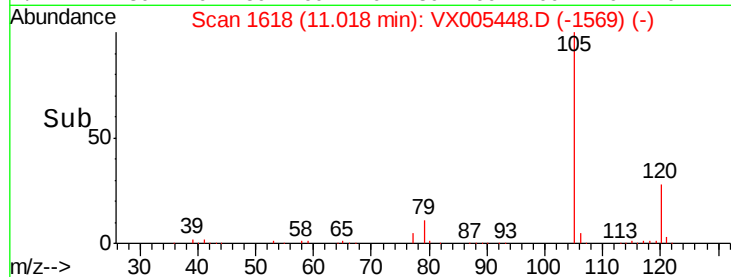
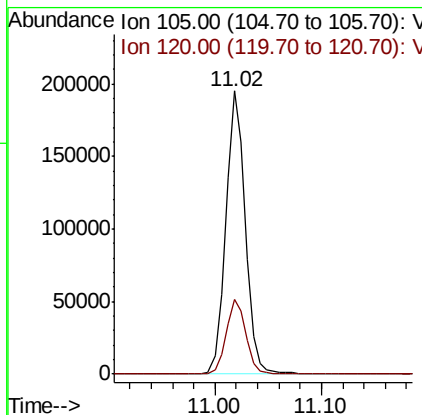
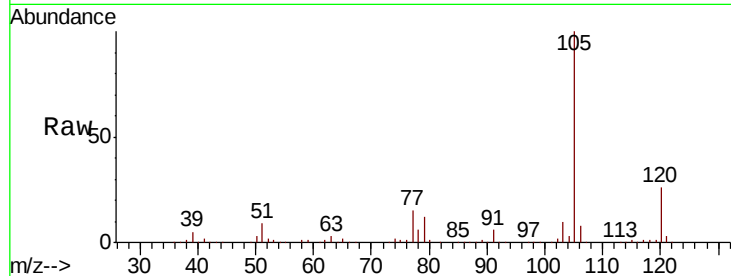
Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4

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#74

N-ethyl acetate

Concen: 18.818 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Tgt Ion: 43 Resp: 110674

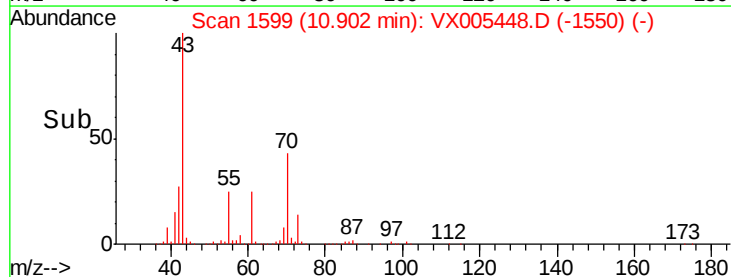
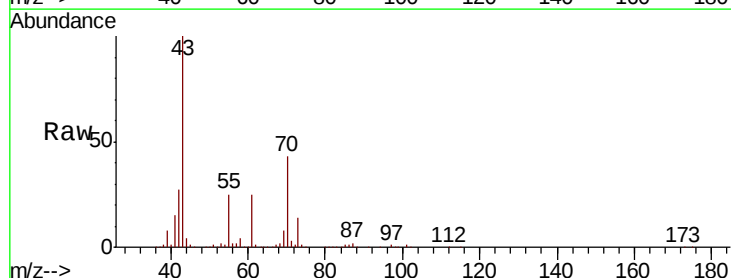
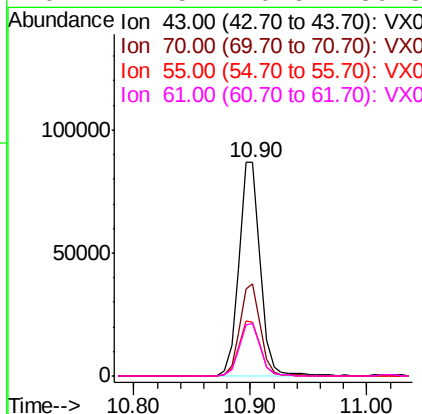
Ion Ratio Lower Upper

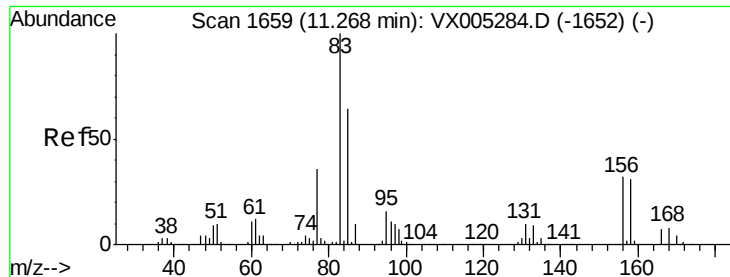
43 100

70 42.0 37.4 56.0

55 26.1 21.8 32.8

61 24.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.407 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 83 Resp: 84667
Ion Ratio Lower Upper

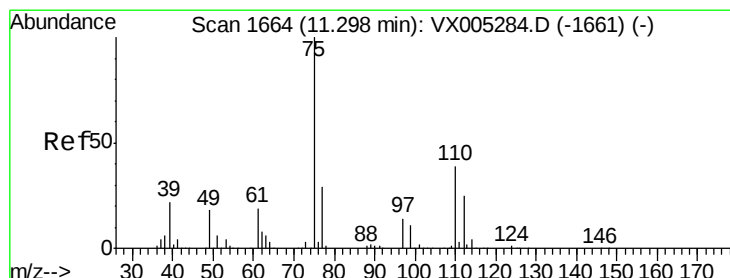
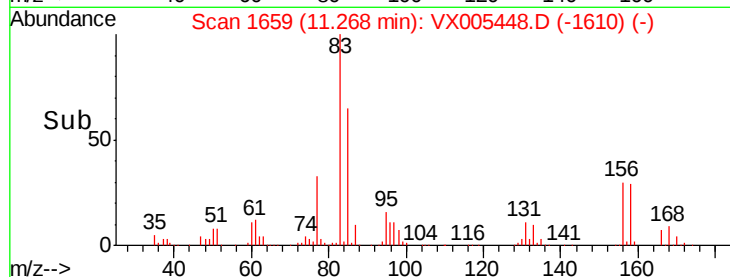
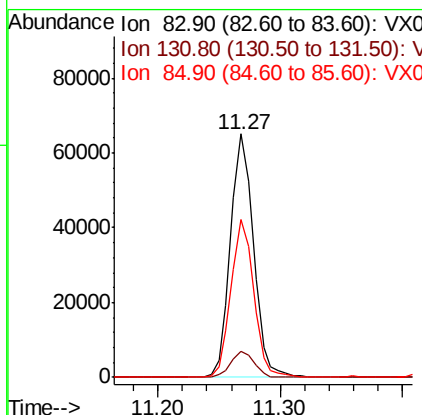
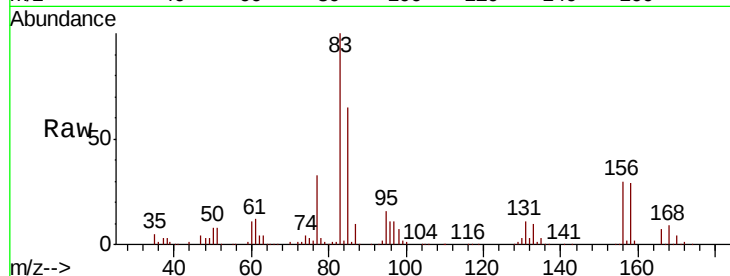
83 100

131 11.0 5.2 15.6

85 64.7 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.236 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

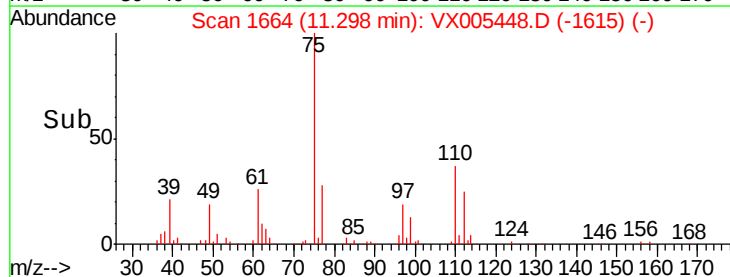
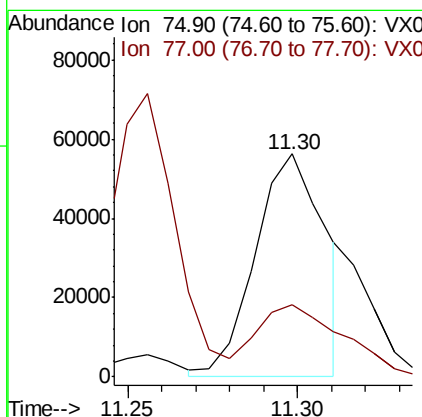
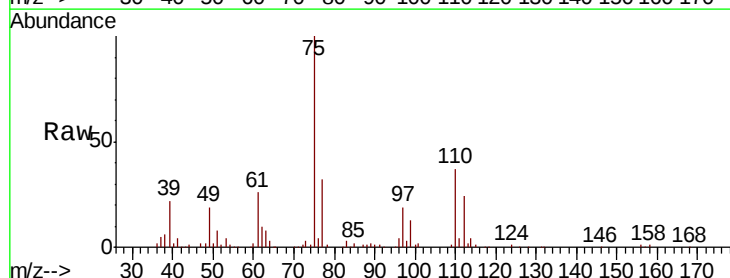
Lab File: VX005448.D

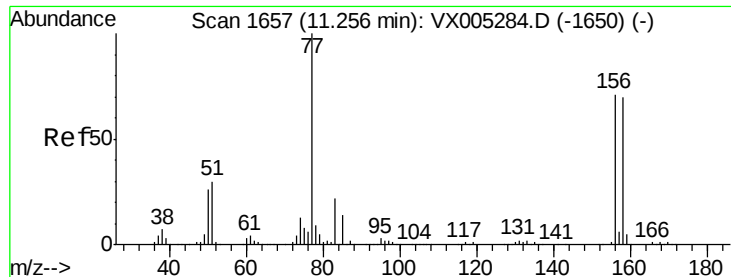
Acq: 19 Oct 2018 10:46

Tgt Ion: 75 Resp: 80513
Ion Ratio Lower Upper

75 100

77 40.0 20.2 60.6





#77

Bromobenzene

Concen: 19.661 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion:156 Resp: 68546

Ion Ratio Lower Upper

156 100

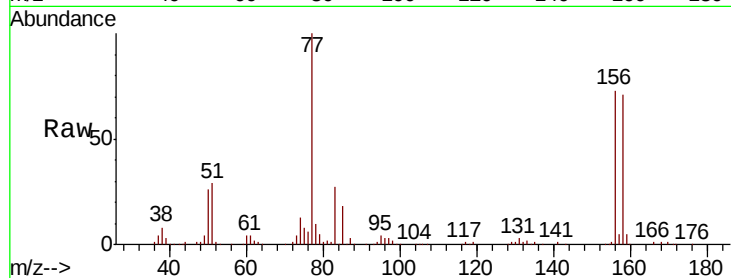
77 139.5 71.5 214.3

158 97.7 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

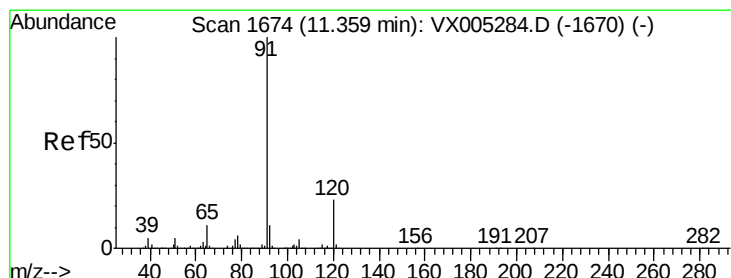
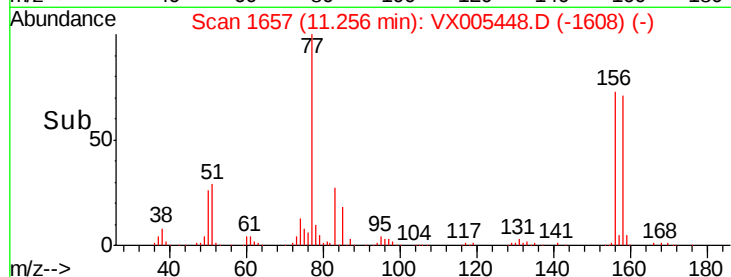
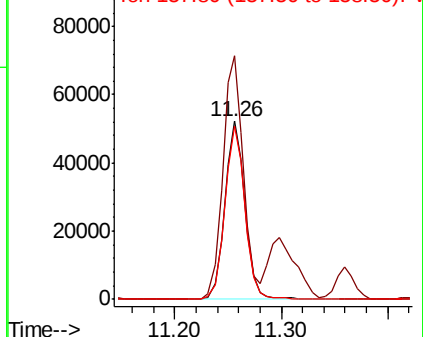
10/22/2018 11:06:51 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.323 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005448.D

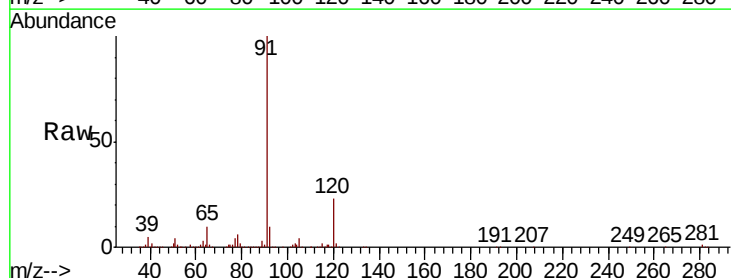
Acq: 19 Oct 2018 10:46

Tgt Ion: 91 Resp: 285167

Ion Ratio Lower Upper

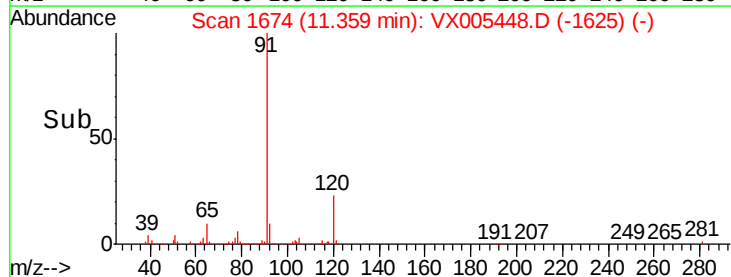
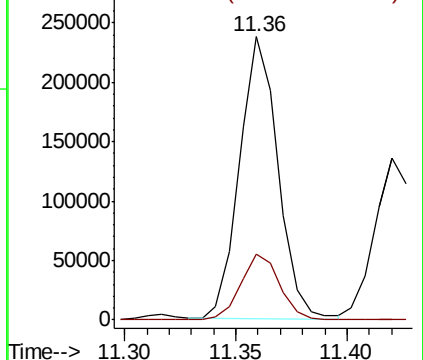
91 100

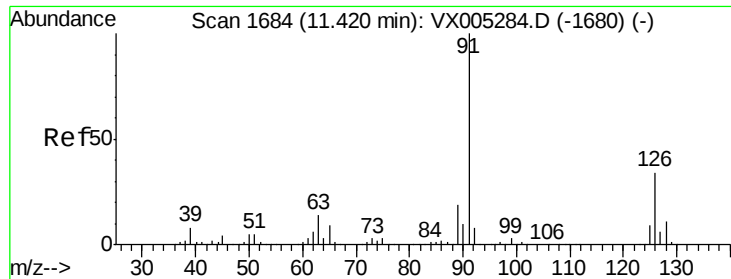
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.824 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 91 Resp: 170353

Ion Ratio Lower Upper

91 100

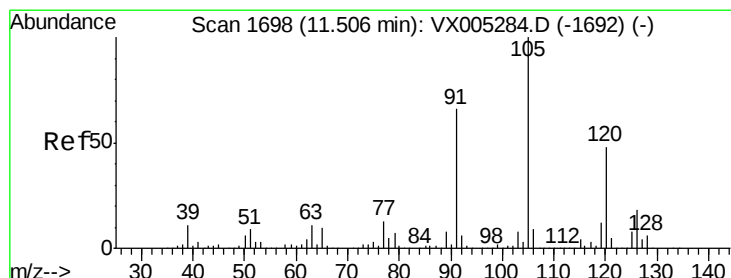
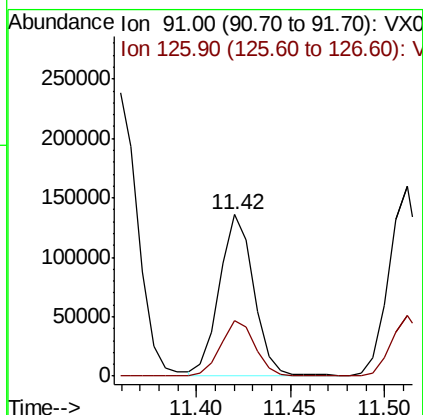
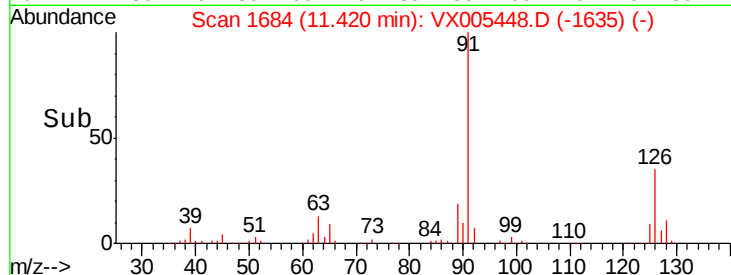
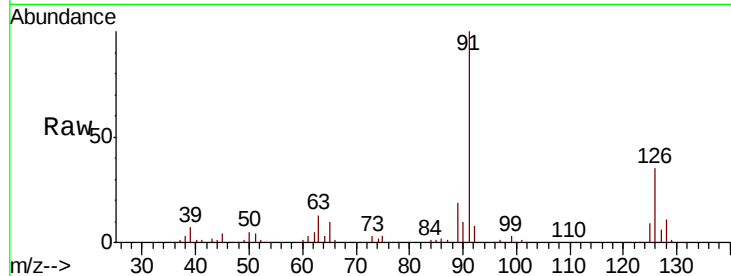
126 35.1 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.227 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005448.D

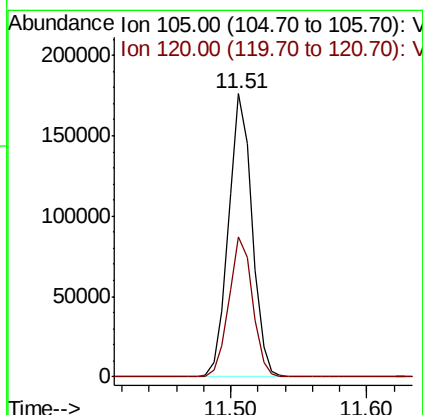
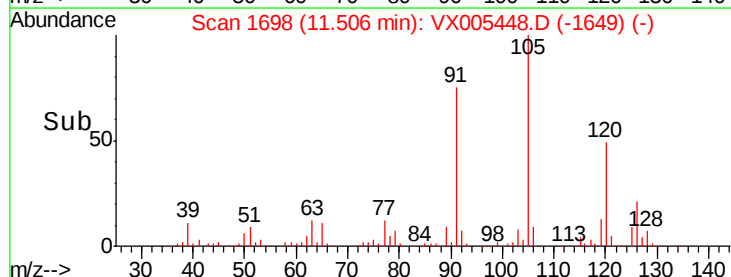
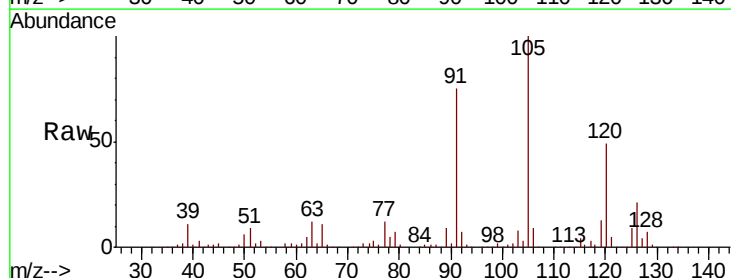
Acq: 19 Oct 2018 10:46

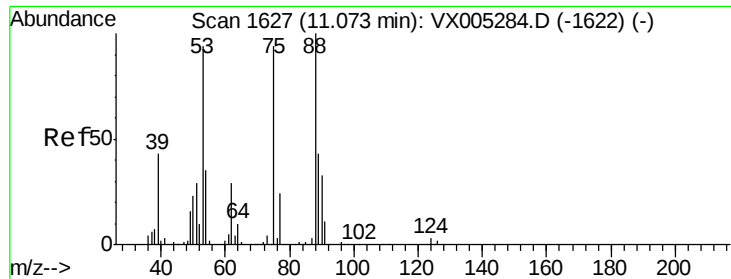
Tgt Ion: 105 Resp: 211210

Ion Ratio Lower Upper

105 100

120 49.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.116 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion: 75 Resp: 23721

Ion Ratio Lower Upper

75 100

53 100.9 80.1 120.1

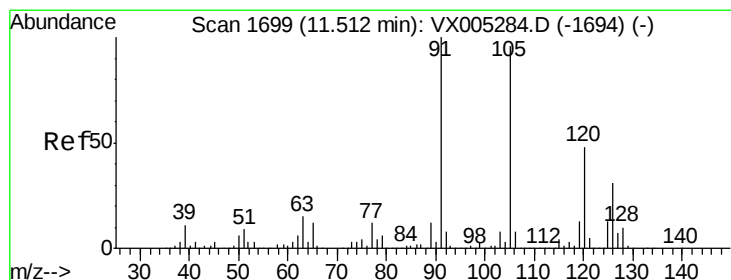
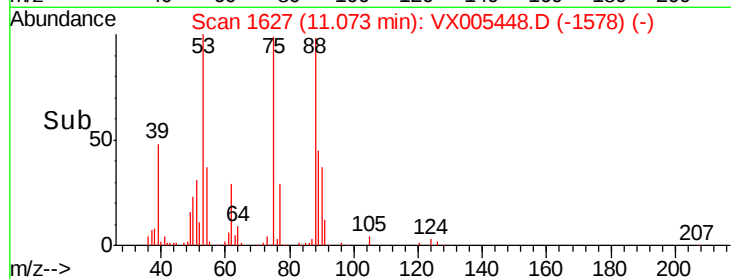
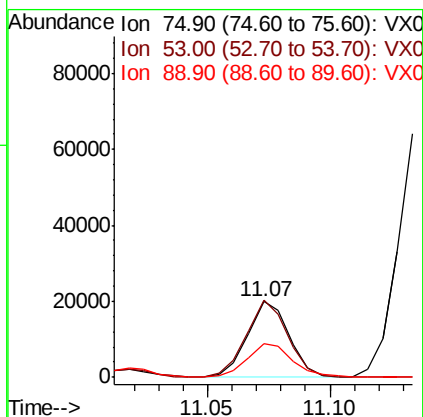
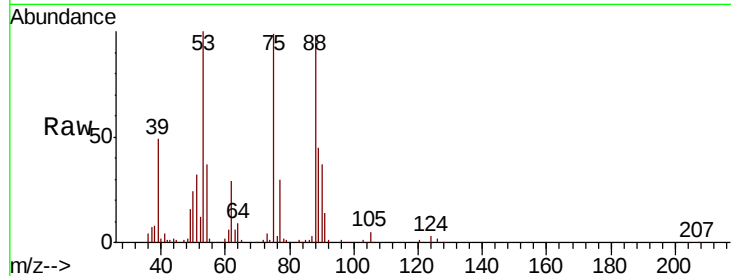
89 49.4 37.2 55.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.639 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005448.D

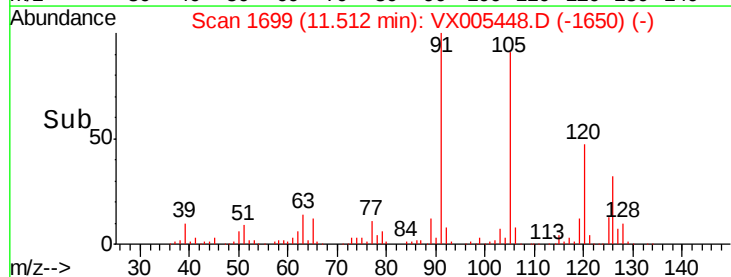
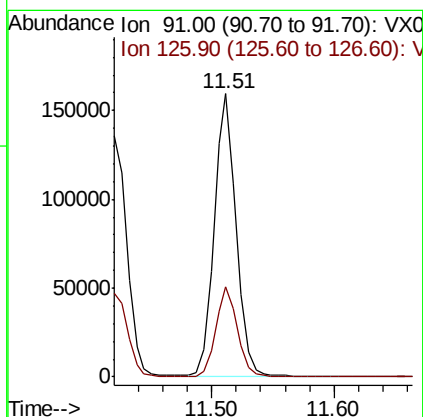
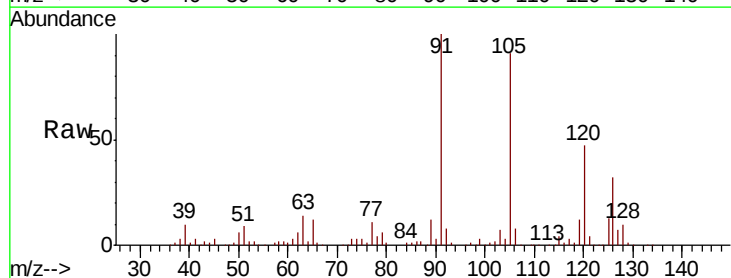
Acq: 19 Oct 2018 10:46

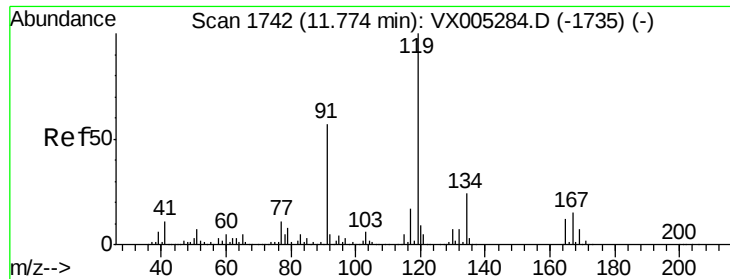
Tgt Ion: 91 Resp: 200060

Ion Ratio Lower Upper

91 100

126 31.4 15.5 46.5





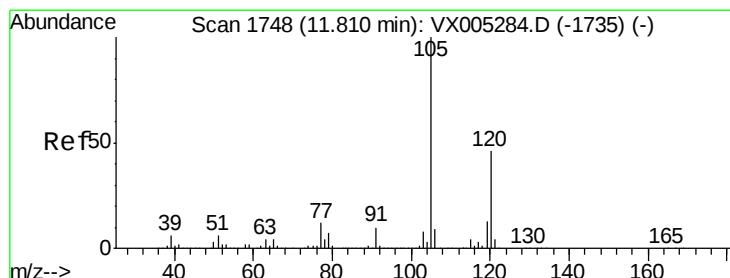
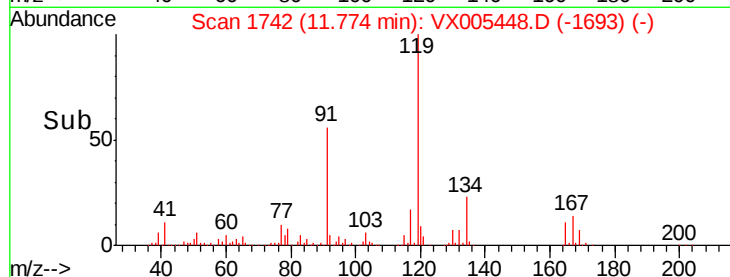
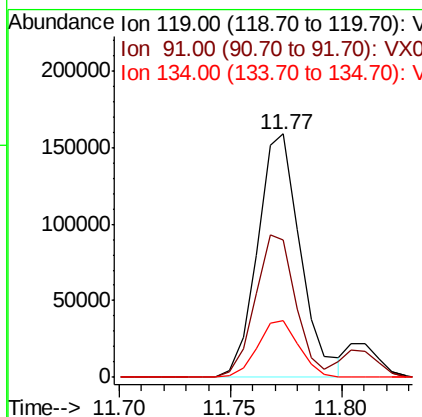
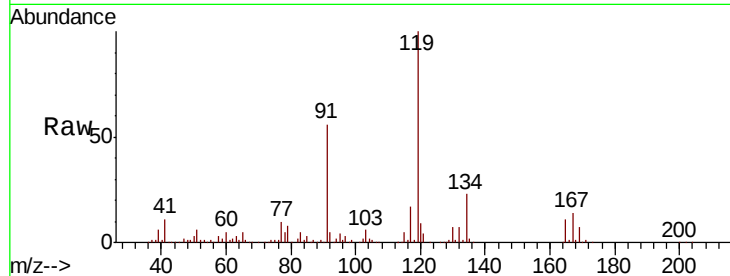
#83
tert-Butylbenzene
Concen: 20.136 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	212917		
91	55.5	27.0	81.0	
134	22.8	11.7	35.1	

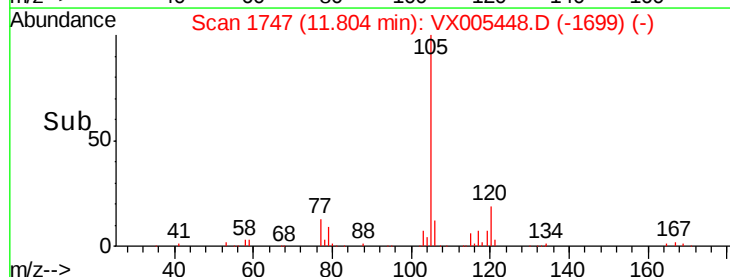
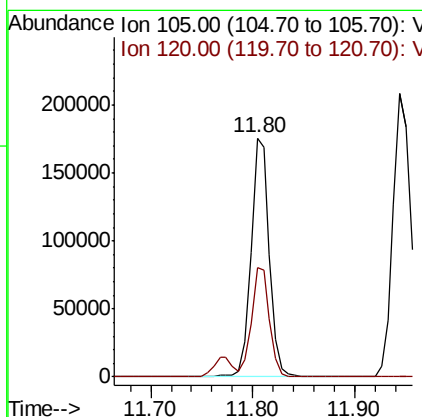
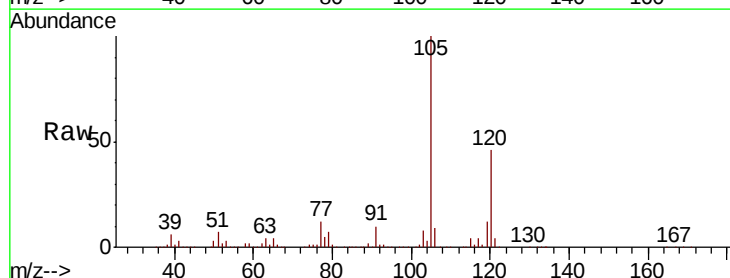
Manual Integrations
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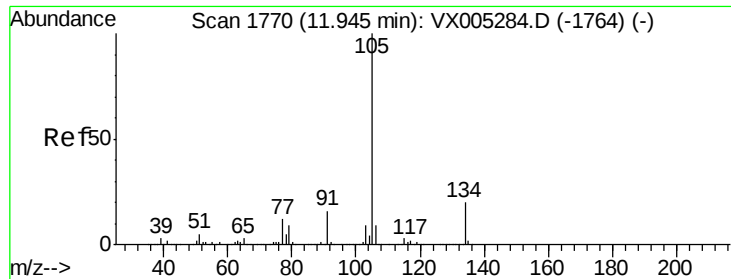
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#84
1,2,4-Trimethylbenzene
Concen: 20.403 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	219242		
120	45.3	23.2	69.6	





#85

sec-Butylbenzene

Concen: 20.501 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBS01

Tot Ion:105 Resp: 256542

Ion Ratio Lower Upper

105 100

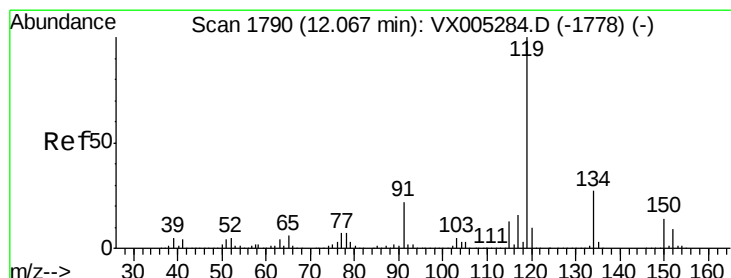
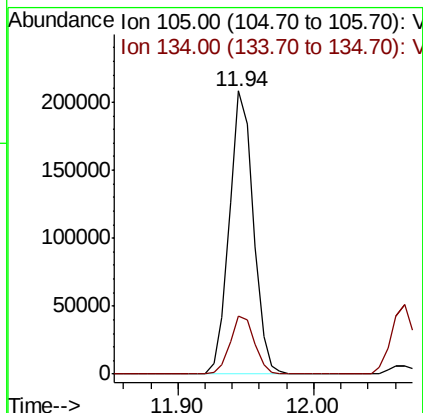
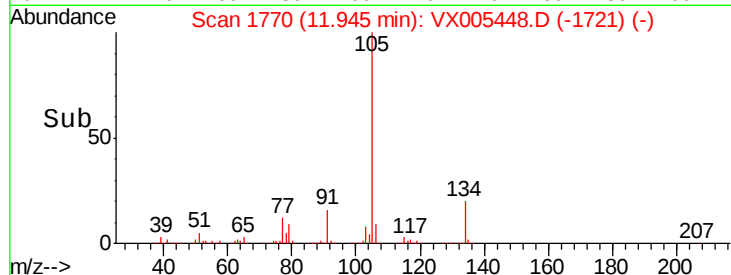
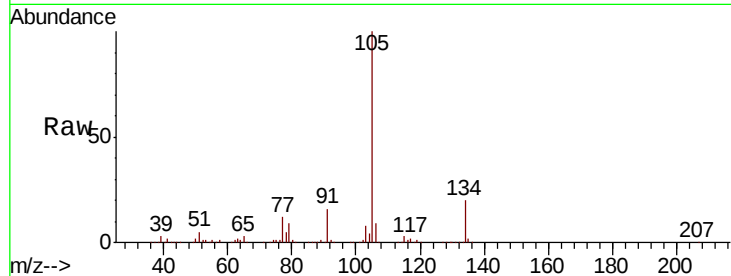
134 20.6 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.339 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

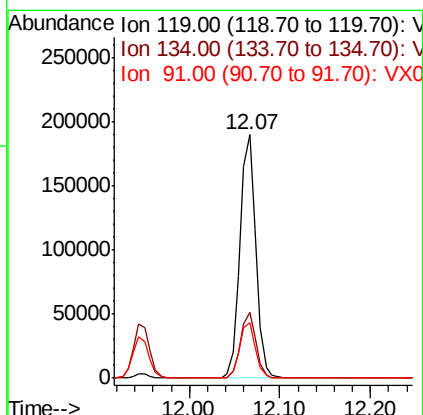
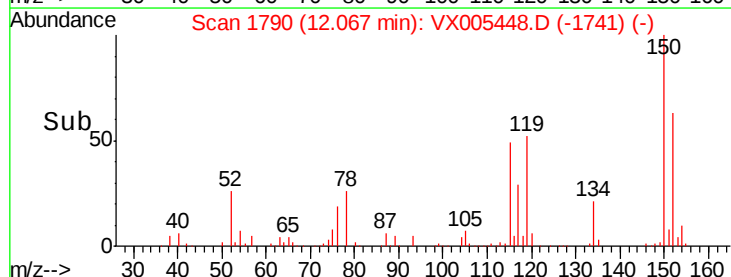
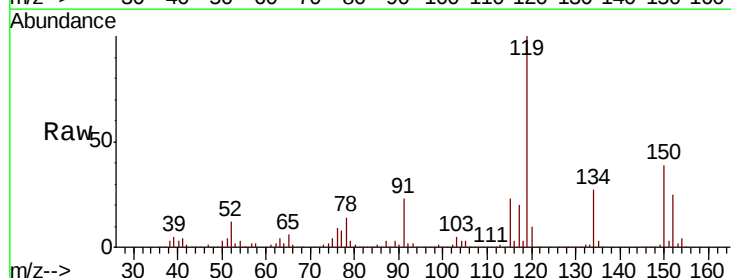
Tgt Ion:119 Resp: 230037

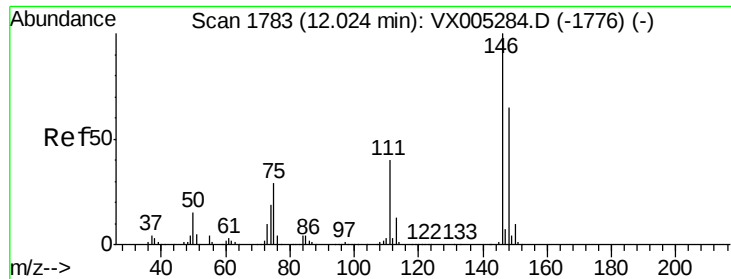
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.6 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 19.422 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Instrument :

MSVOA_X

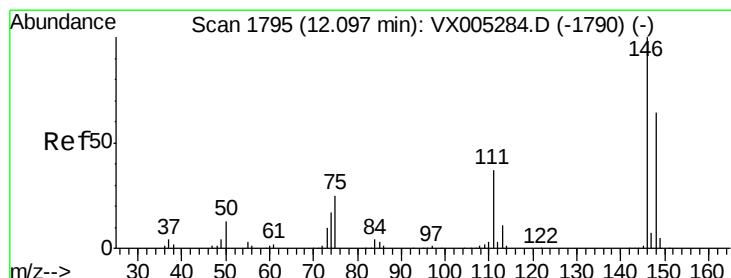
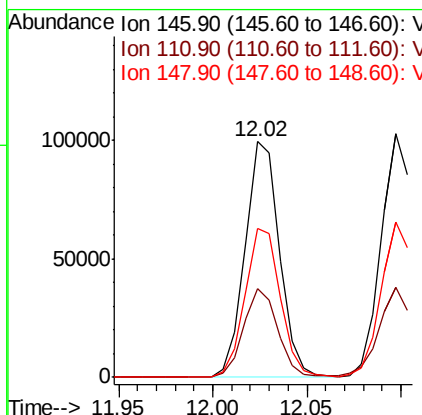
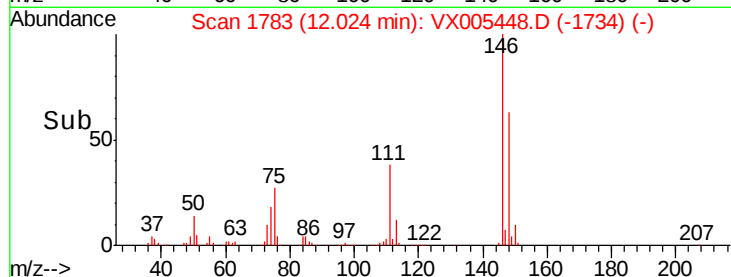
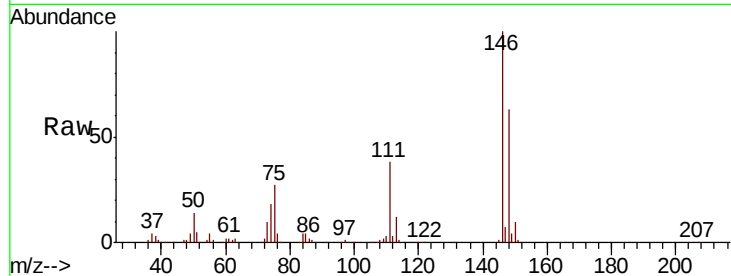
ClientSampleId :

VX1019MBS01

Tot Ion:	146	Resp:	126534
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.7	56.1
148	64.7	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.048 ug/l

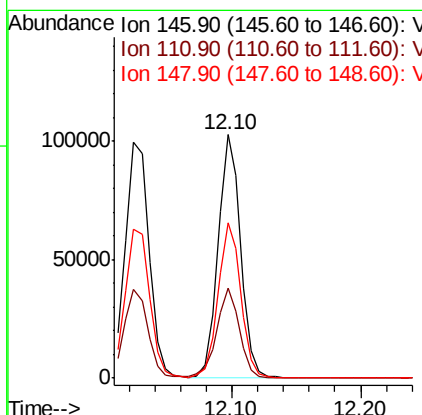
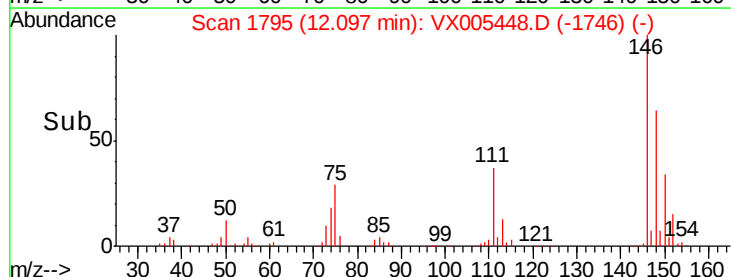
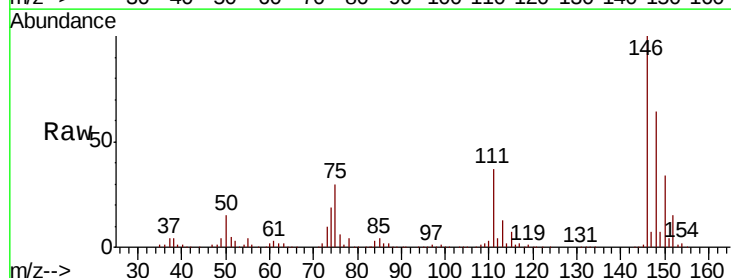
RT: 12.10 min Scan# 1795

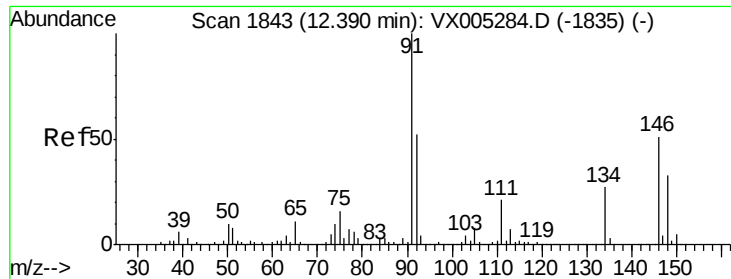
Delta R.T. -0.00 min

Lab File: VX005448.D

Acq: 19 Oct 2018 10:46

Tgt Ion:	146	Resp:	126950
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.1	54.1
148	64.6	32.0	96.0





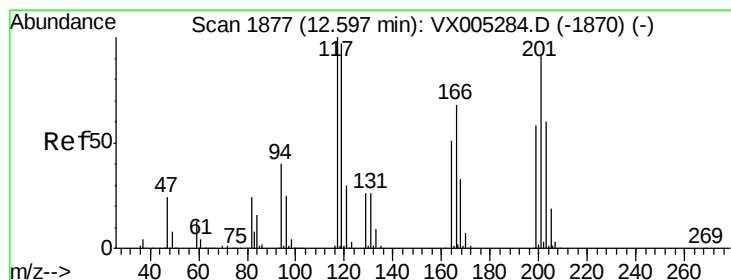
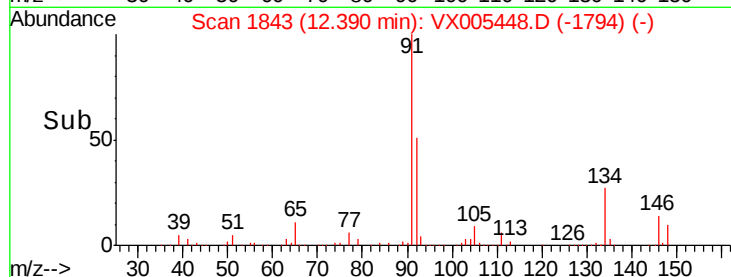
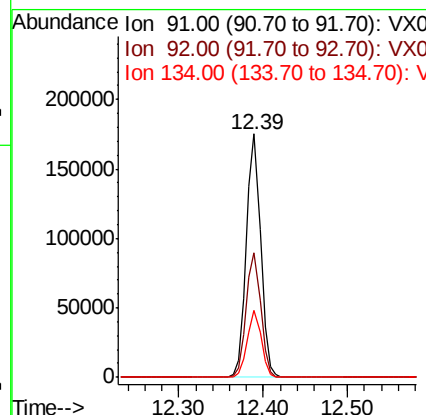
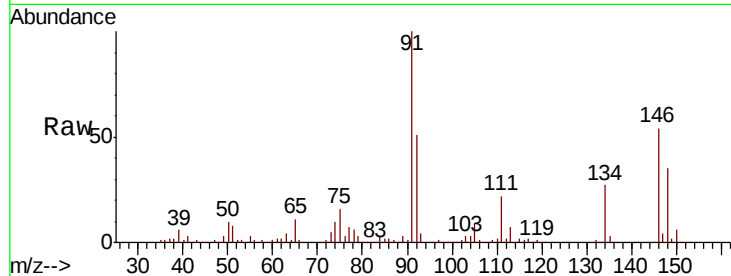
#89
n-Butylbenzene
Concen: 19.212 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	197287		
92	51.9	27.3	81.9	
134	26.8	13.6	40.7	

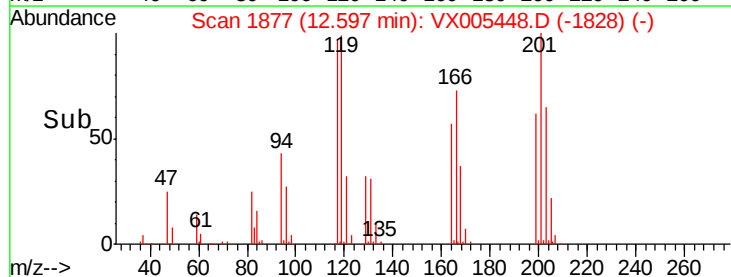
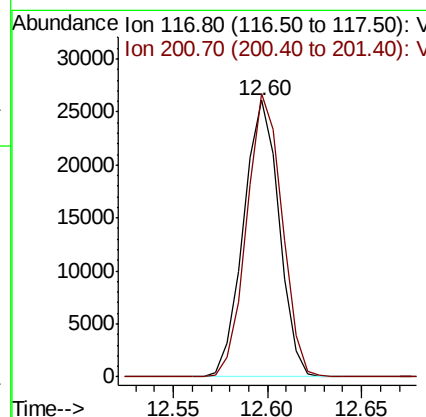
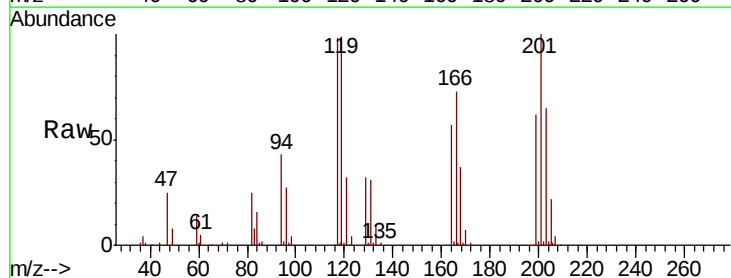
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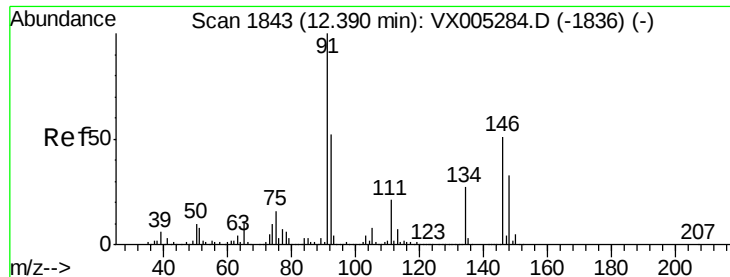
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#90
Hexachloroethane
Concen: 17.553 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34214		
166	101.3	46.9	140.6	





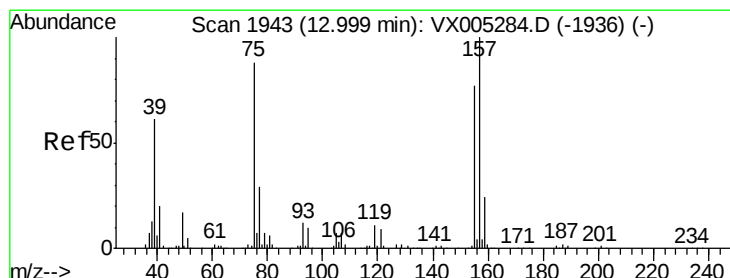
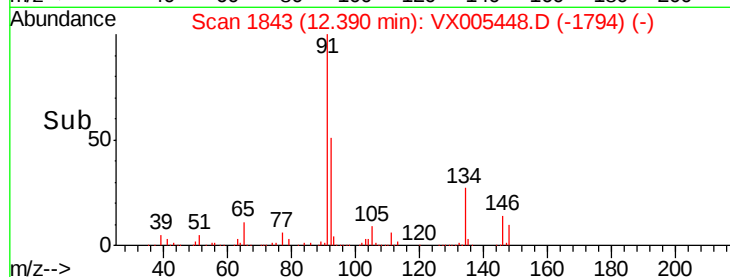
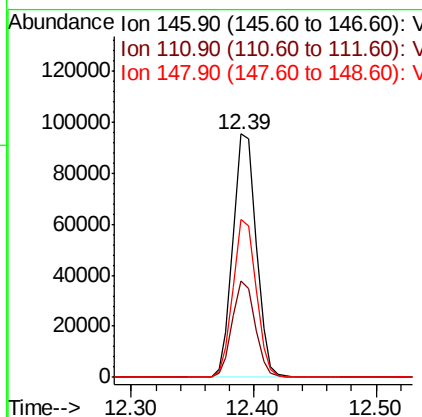
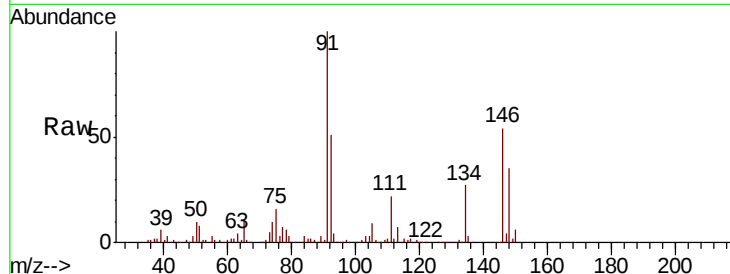
#91
 1,2-Dichlorobenzene
 Concen: 18.870 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	125450		
111	38.8	19.4	58.1	
148	64.5	32.8	98.3	

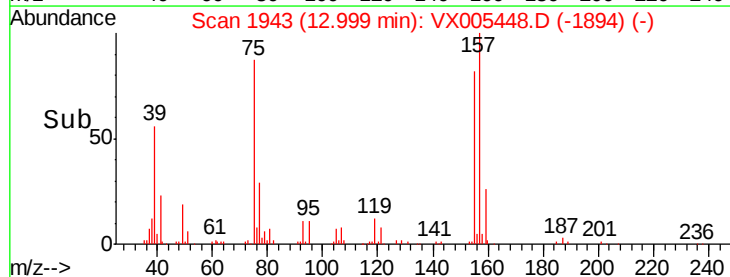
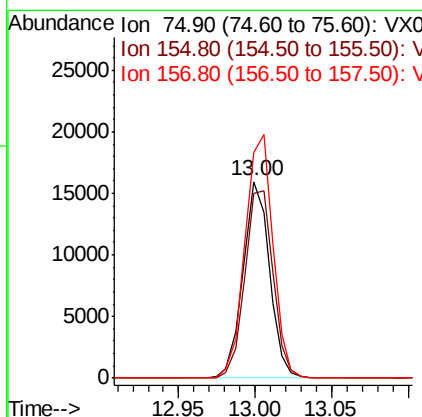
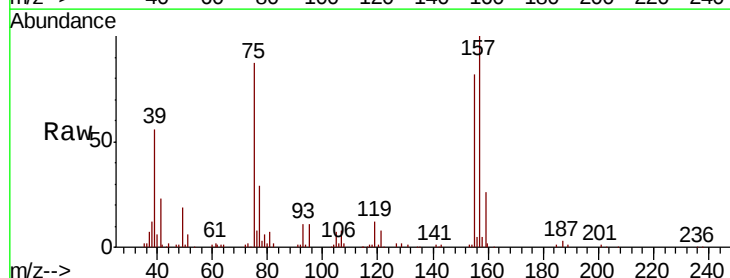
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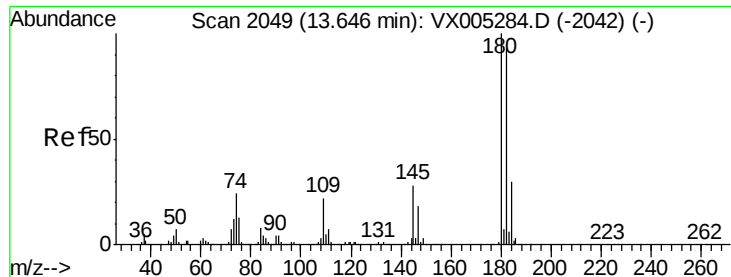
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.127 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19217		
155	101.8	48.0	144.2	
157	130.1	61.4	184.1	





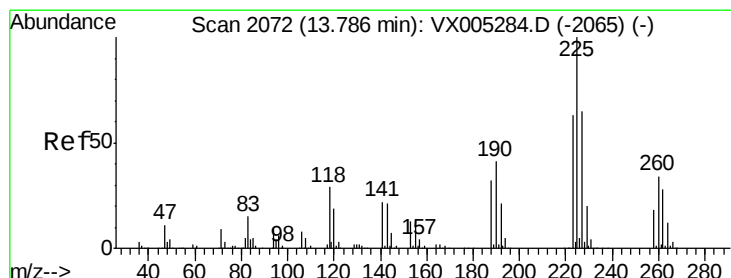
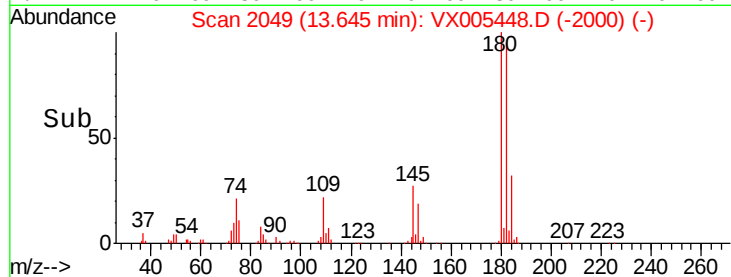
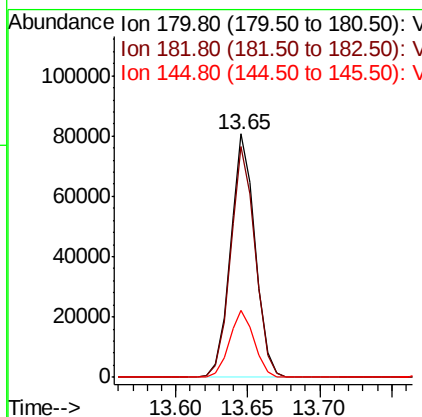
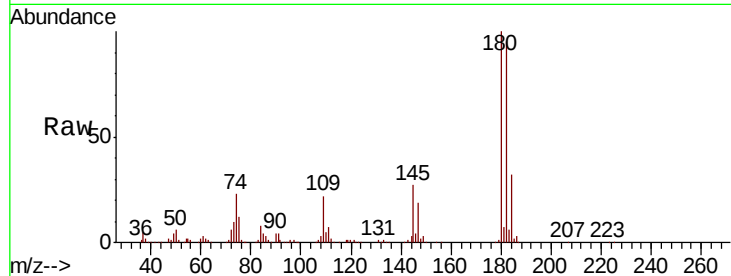
#93
 1,2,4-Trichlorobenzene
 Concen: 19.725 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96211		
182	95.1	48.4	145.0	
145	27.7	14.3	42.9	

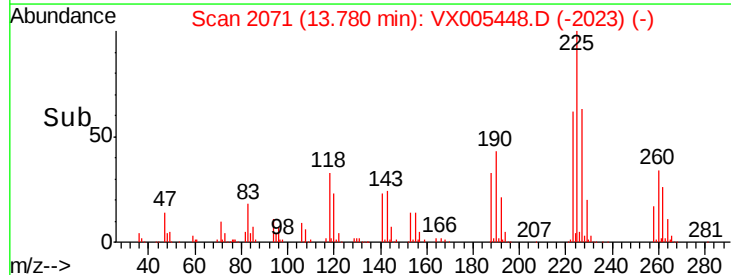
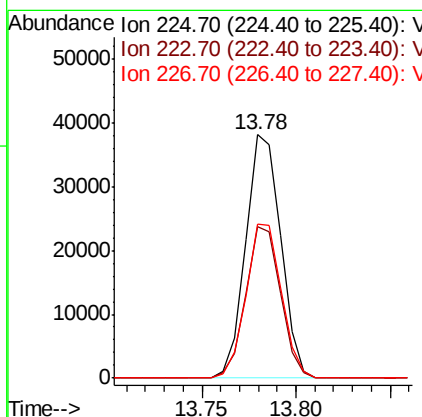
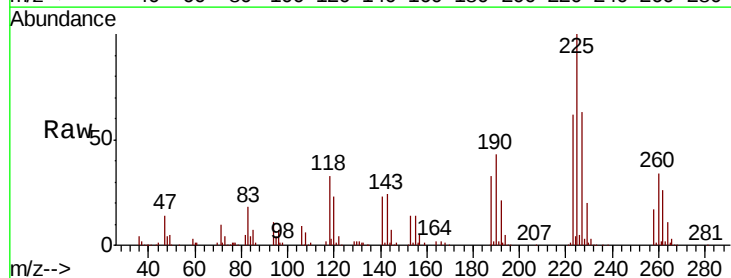
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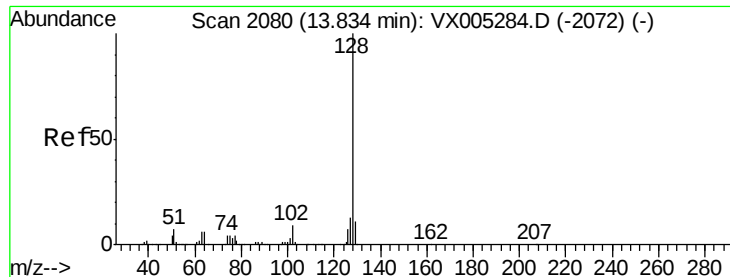
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#94
 Hexachlorobutadiene
 Concen: 19.151 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005448.D
 Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49335		
223	61.7	30.1	90.5	
227	63.9	30.8	92.4	





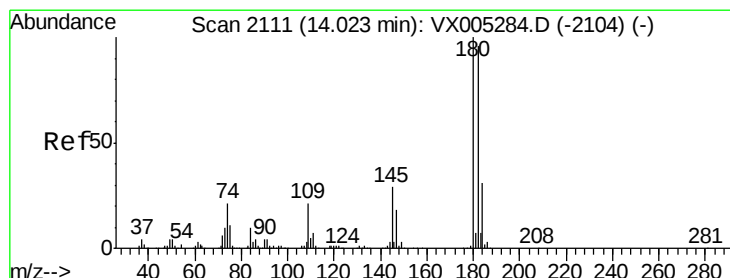
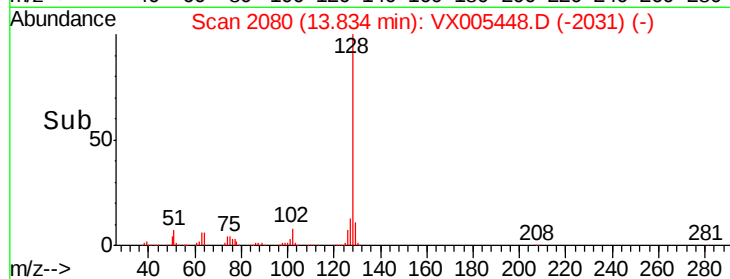
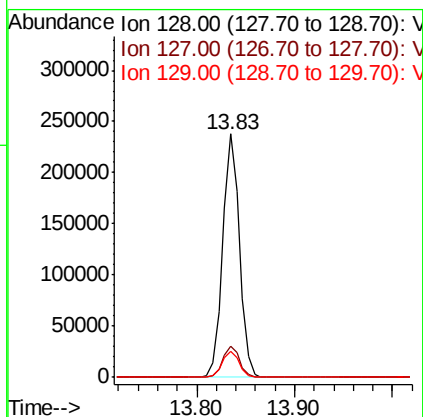
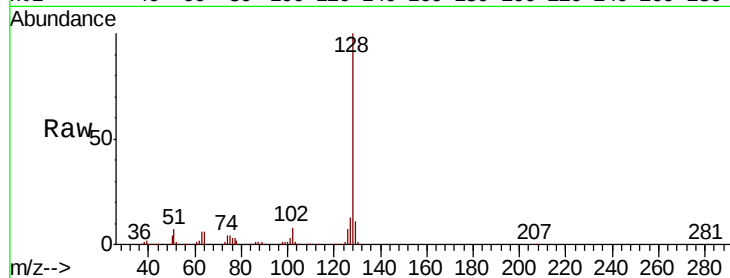
#95
Naphthalene
Concen: 19.917 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 19.924 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005448.D
Acq: 19 Oct 2018 10:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.5	145.6
145	28.9	14.9	44.9

