

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005944.D
 Acq On : 13 Nov 2018 13:14
 Operator : JC/MD
 Sample : VX1113WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 9:51:21 AM

Quant Time: Nov 14 03:54:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	99373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	134804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	122139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	70124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	56009	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	5.50	113	49864	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
50) Toluene-d8	8.71	98	161898	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
62) 4-Bromofluorobenzene	11.13	95	60104	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	17760	19.822	ug/l	99
3) Chloromethane	1.32	50	22205	18.884	ug/l	93
4) Vinyl Chloride	1.40	62	23635	20.023	ug/l	96
5) Bromomethane	1.64	94	15495	21.450	ug/l	93
6) Chloroethane	1.72	64	15052	21.371	ug/l	98
7) Trichlorofluoromethane	1.93	101	32142	20.514	ug/l	99
8) Diethyl Ether	2.18	74	12270	19.985	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18715	20.768	ug/l	98
10) Methyl Iodide	2.51	142	18830	17.241	ug/l	99
11) Tert butyl alcohol	3.06	59	33035	100.943	ug/l	99
12) 1,1-Dichloroethene	2.37	96	17342	19.744	ug/l	90
13) Acrolein	2.29	56	20623	141.195	ug/l	97
14) Allyl chloride	2.73	41	40269	20.527	ug/l	99
15) Acrylonitrile	3.15	53	69057	101.822	ug/l	97
16) Acetone	2.44	43	65659	106.744	ug/l	99
17) Carbon Disulfide	2.57	76	49714	18.975	ug/l	99
18) Methyl Acetate	2.78	43	37186	21.720	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	65543	21.863	ug/l #	90
20) Methylene Chloride	2.85	84	21915	21.689	ug/l	86
21) trans-1,2-Dichloroethene	3.17	96	18610	20.088	ug/l	98
22) Diisopropyl ether	3.87	45	74681	21.732	ug/l	96
23) Vinyl Acetate	3.81	43	335892	113.998	ug/l	97
24) 1,1-Dichloroethane	3.70	63	40387	22.028	ug/l	99
25) 2-Butanone	4.69	43	106575	110.206	ug/l	98
26) 2,2-Dichloropropane	4.59	77	29008	21.569	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	21101	20.627	ug/l	98
28) Bromochloromethane	5.02	49	17644	21.533	ug/l	97
29) Tetrahydrofuran	5.15	42	65477	105.452	ug/l	98
30) Chloroform	5.21	83	37404	21.146	ug/l	96
31) Cyclohexane	5.58	56	33027	20.752	ug/l #	82
32) 1,1,1-Trichloroethane	5.49	97	32278	21.878	ug/l	98
36) 1,1-Dichloropropene	5.80	75	25331	19.492	ug/l	98
37) Ethyl Acetate	4.85	43	35818	20.959	ug/l	99
38) Carbon Tetrachloride	5.78	117	27335	21.011	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	27236	20.678	ug/l	# 86
40) Benzene	6.13	78	73409	19.377	ug/l	99
41) Methacrylonitrile	5.05	41	19509	21.127	ug/l	99
42) 1,2-Dichloroethane	6.19	62	28096	20.706	ug/l	100
43) Isopropyl Acetate	6.46	43	52065	21.026	ug/l	100
44) Trichloroethene	7.21	130	19879	20.662	ug/l	92
45) 1,2-Dichloropropane	7.51	63	19769	21.499	ug/l	99
46) Dibromomethane	7.66	93	12606	21.847	ug/l	98
47) Bromodichloromethane	7.90	83	26905	24.673	ug/l	88
48) Methyl methacrylate	7.77	41	24131	21.703	ug/l	99
49) 1,4-Dioxane	7.75	88	9945	415.075	ug/l	# 94
51) 4-Methyl-2-Pentanone	8.65	43	166081	106.419	ug/l	99
52) Toluene	8.78	92	44366	20.954	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	26010	20.212	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	29421	22.431	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	18642	19.755	ug/l	99
56) Ethyl methacrylate	9.18	69	26364	18.672	ug/l	97
57) 1,3-Dichloropropane	9.37	76	30789	19.416	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	74373	101.746	ug/l	99
59) 2-Hexanone	9.49	43	132836	96.564	ug/l	99
60) Dibromochloromethane	9.58	129	19469	19.090	ug/l	99
61) 1,2-Dibromoethane	9.67	107	19296	18.492	ug/l	99
64) Tetrachloroethene	9.34	164	21622	20.793	ug/l	98
65) Chlorobenzene	10.14	112	50335	20.571	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	18332	21.550	ug/l	99
67) Ethyl Benzene	10.25	91	84225	21.466	ug/l	99
68) m/p-Xylenes	10.36	106	65881	44.021	ug/l	98
69) o-Xylene	10.70	106	30679	22.861	ug/l	100
70) Styrene	10.71	104	51511	23.268	ug/l	99
71) Bromoform	10.86	173	15682	21.991	ug/l	# 99
73) Isopropylbenzene	11.02	105	86057	21.221	ug/l	99
74) N-amyl acetate	10.90	43	40012	18.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	29839	20.047	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	29167m	20.427	ug/l	
77) Bromobenzene	11.26	156	23111	20.220	ug/l	100
78) n-propylbenzene	11.36	91	102399	21.426	ug/l	99
79) 2-Chlorotoluene	11.42	91	60726	21.022	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	74833	21.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	8833	19.716	ug/l	95
82) 4-Chlorotoluene	11.51	91	72378	21.260	ug/l	100
83) tert-Butylbenzene	11.77	119	71892	20.621	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	76311	19.994	ug/l	100
85) sec-Butylbenzene	11.94	105	88564	20.774	ug/l	99
86) p-Isopropyltoluene	12.07	119	80260	21.254	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	43798	19.966	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	44161	19.666	ug/l	98
89) n-Butylbenzene	12.39	91	70654	20.188	ug/l	99
90) Hexachloroethane	12.60	117	12595	19.977	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	42829	19.490	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7252	19.966	ug/l	99

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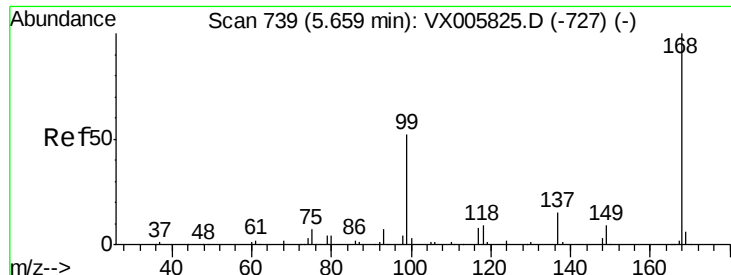
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	32318	20.891	ug/l	100
94) Hexachlorobutadiene	13.79	225	17262	21.243	ug/l	98
95) Naphthalene	13.83	128	92873	19.153	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	32930	20.895	ug/l	100

(#) = 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. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion:168 Resp: 99373

Ion Ratio Lower Upper

168 100

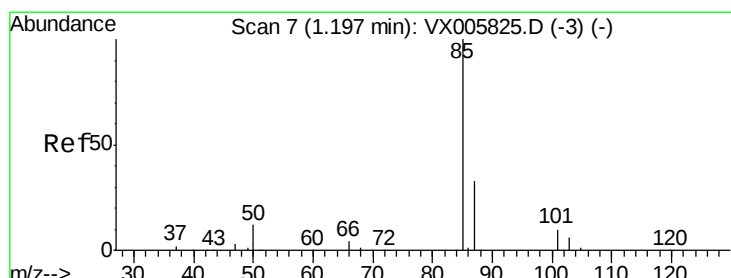
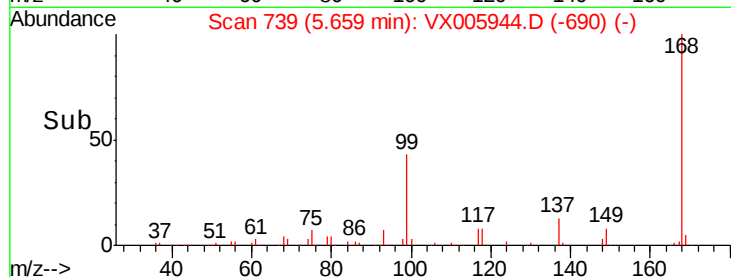
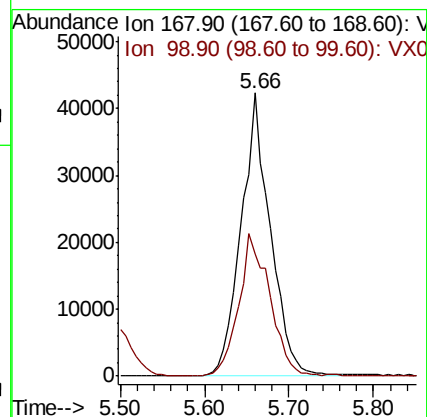
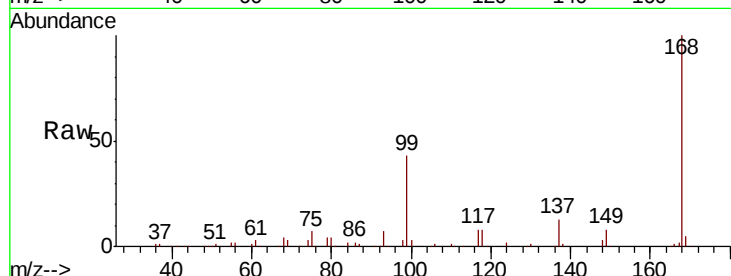
99 43.2 40.7 61.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.822 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005944.D

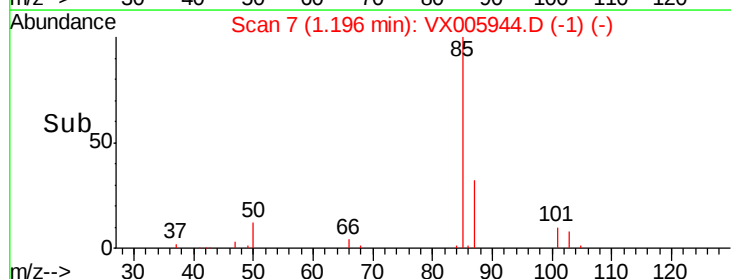
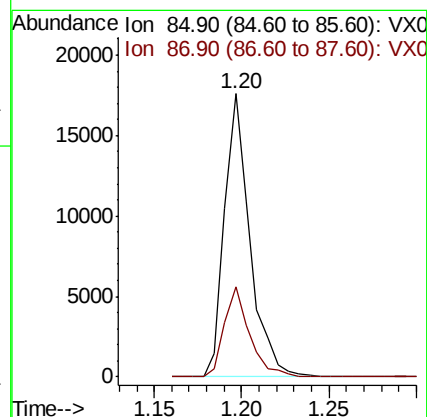
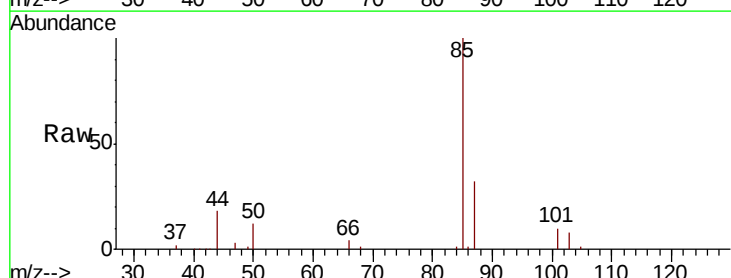
Acq: 13 Nov 2018 13:14

Tgt Ion: 85 Resp: 17760

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9





#3

Chloromethane

Concen: 18.884 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 50 Resp: 22205

Ion Ratio Lower Upper

50 100

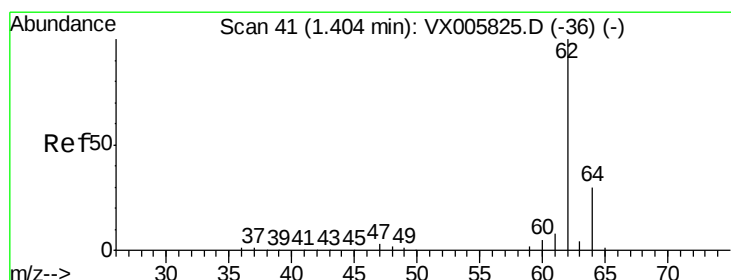
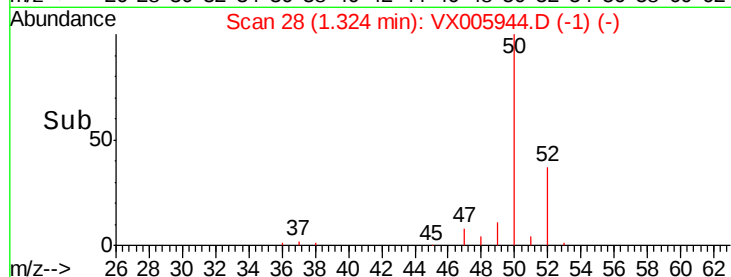
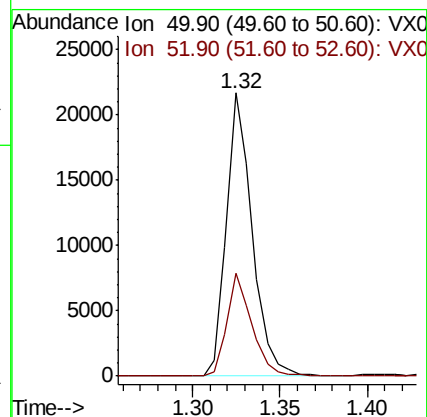
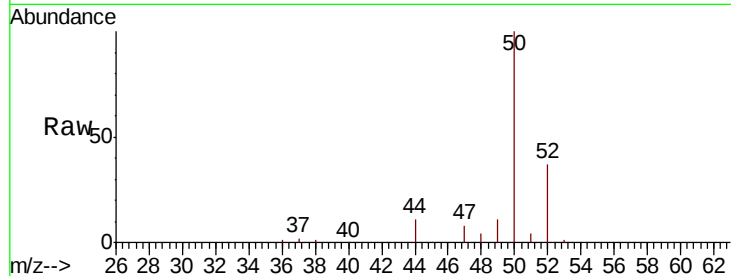
52 36.6 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.023 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005944.D

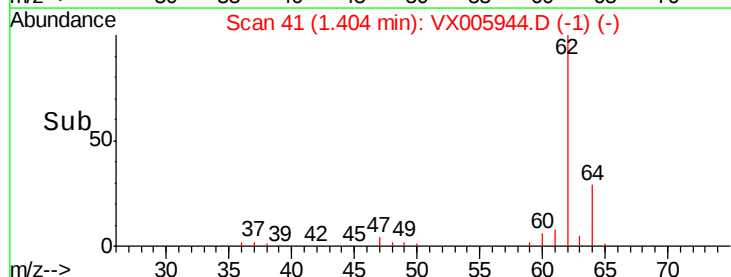
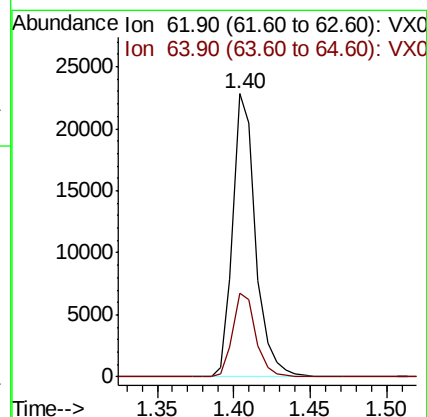
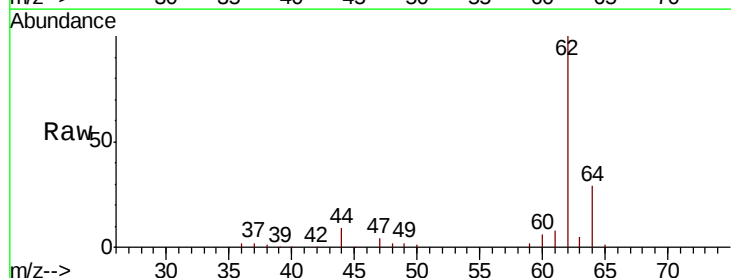
Acq: 13 Nov 2018 13:14

Tgt Ion: 62 Resp: 23635

Ion Ratio Lower Upper

62 100

64 29.4 25.3 37.9





#5

Bromomethane

Concen: 21.450 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 94 Resp: 15495

Ion Ratio Lower Upper

94 100

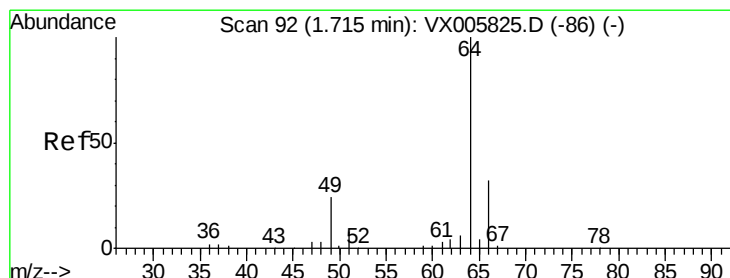
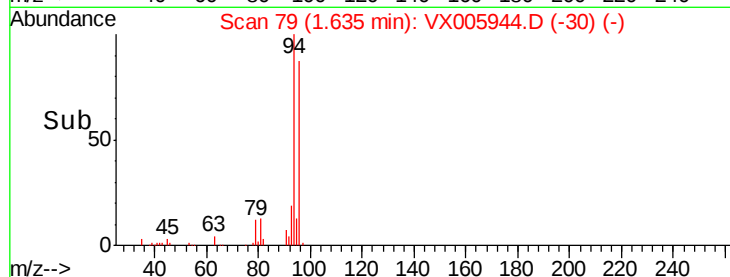
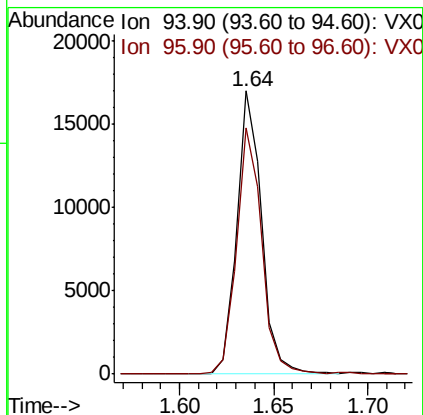
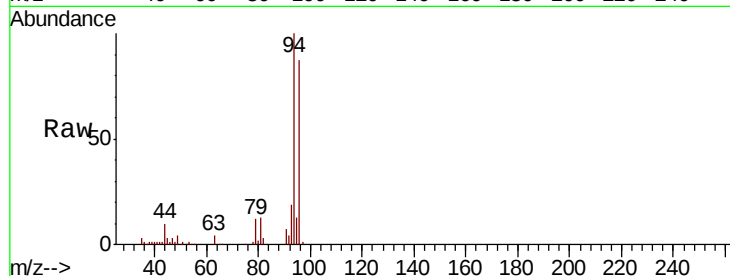
96 87.0 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 21.371 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005944.D

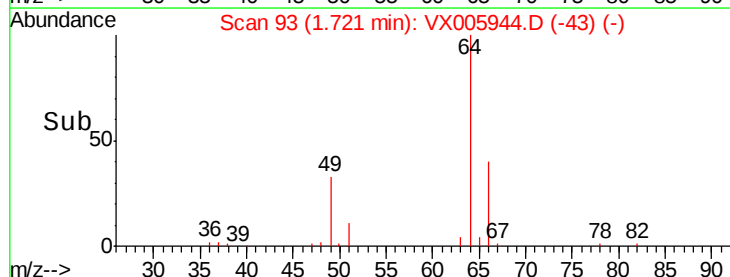
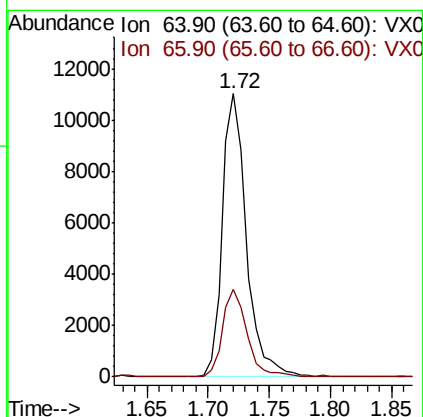
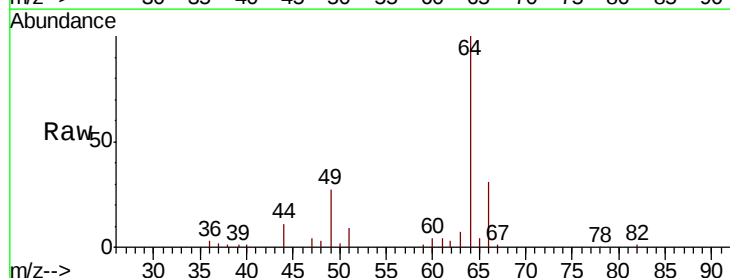
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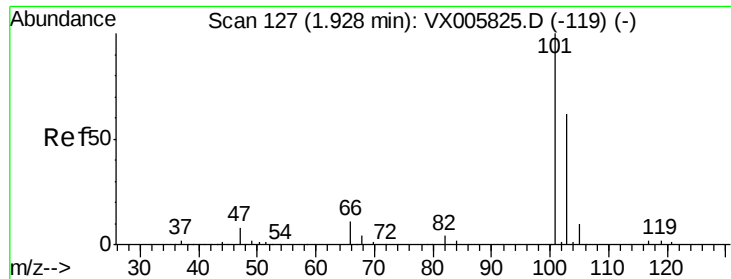
Tgt Ion: 64 Resp: 15052

Ion Ratio Lower Upper

64 100

66 30.8 25.8 38.6





#7

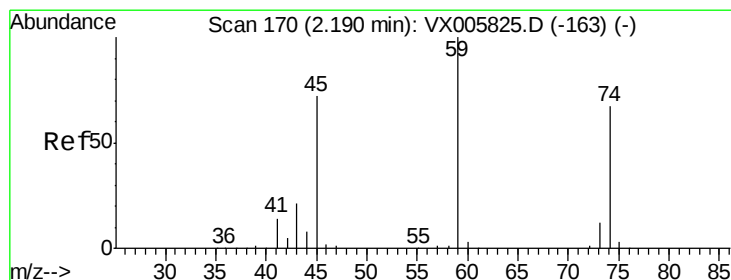
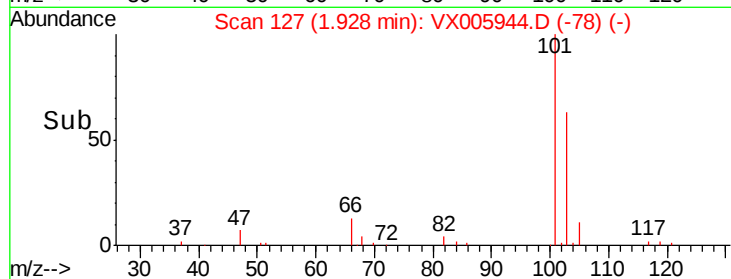
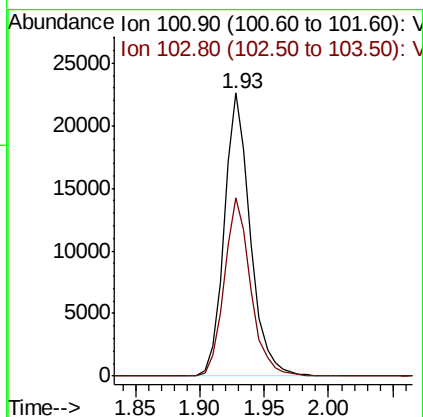
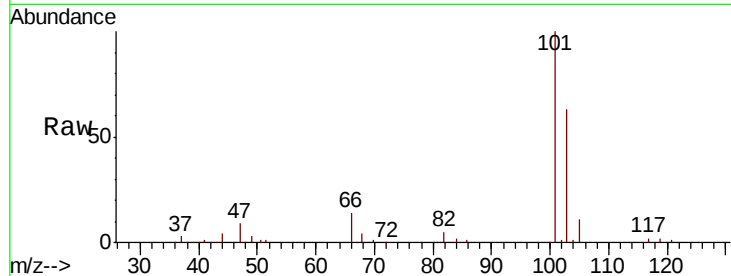
Trichlorofluoromethane
Concen: 20.514 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion:101 Resp: 32142
Ion Ratio Lower Upper
101 100
103 62.9 50.0 75.0

Manual Integrations
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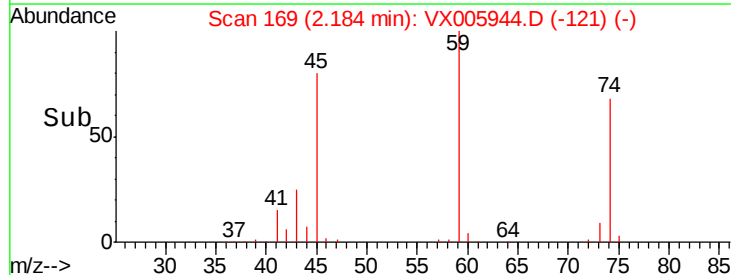
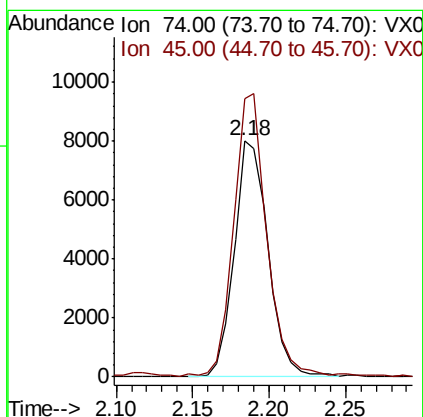
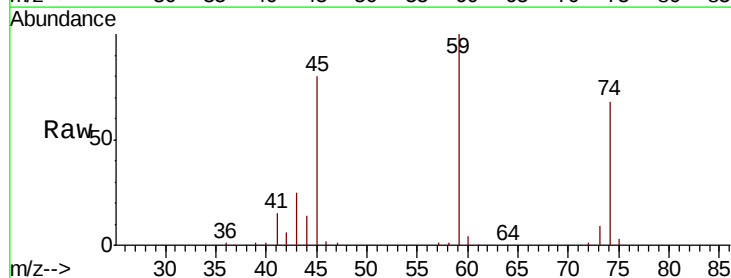
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#8

Diethyl Ether
Concen: 19.985 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion: 74 Resp: 12270
Ion Ratio Lower Upper
74 100
45 118.3 54.1 162.3





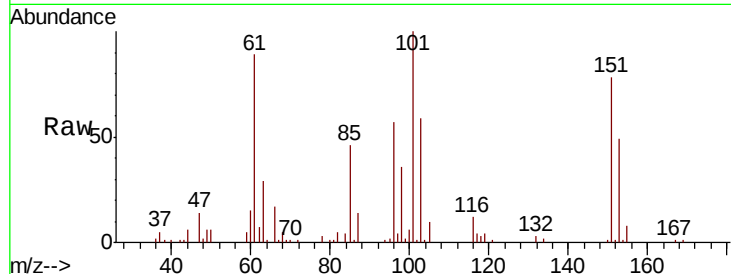
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.768 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

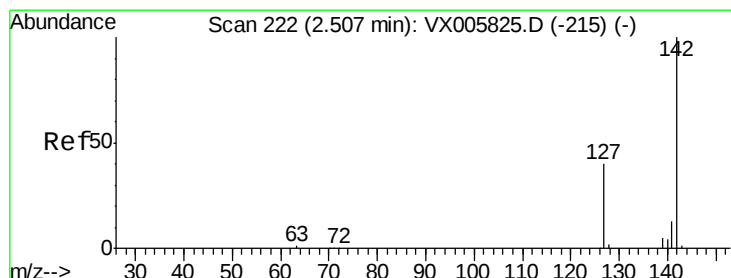
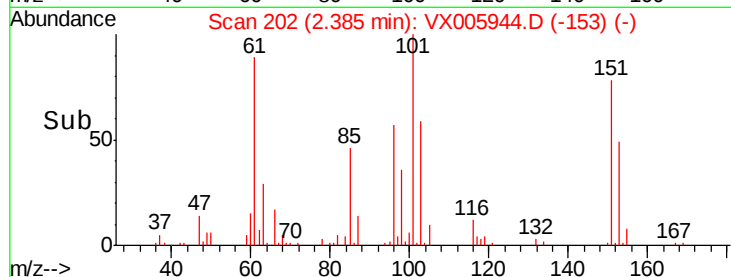
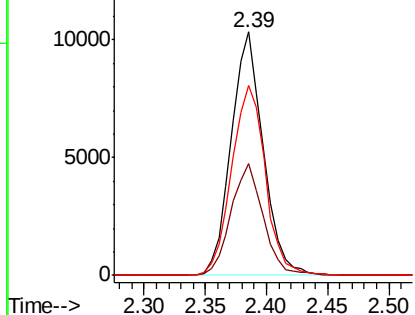
Tot Ion	Ratio	Resp	Lower	Upper
101	100	18715		
85	46.2	35.0	52.4	
151	82.0	66.2	99.2	

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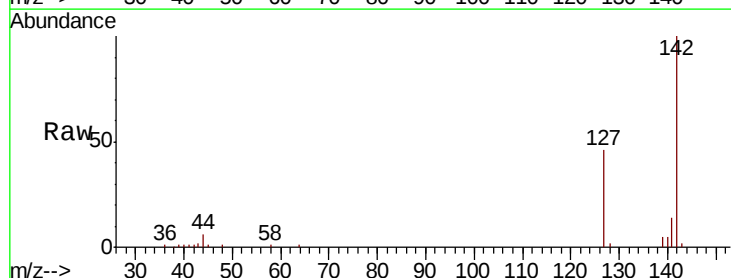


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

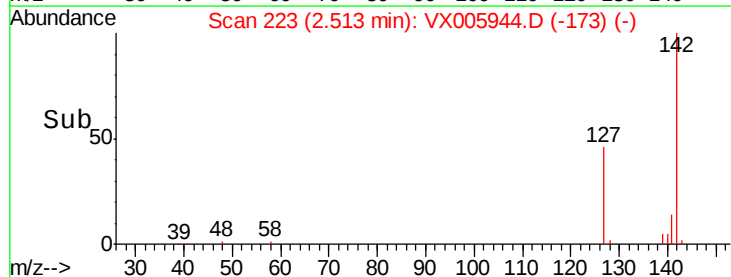
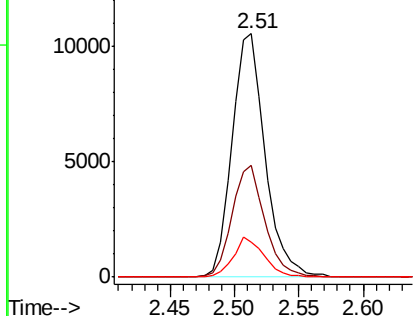


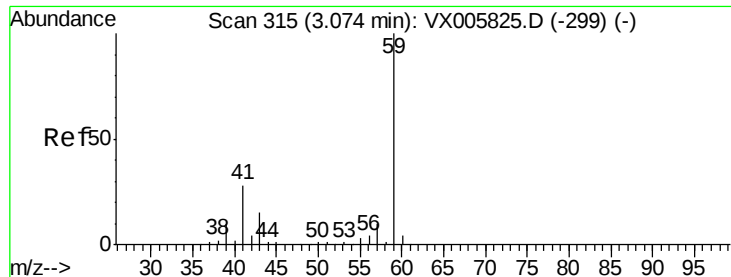
#10
 Methyl Iodide
 Concen: 17.241 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	18830		
127	45.4	36.0	54.0	
141	15.1	11.7	17.5	



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

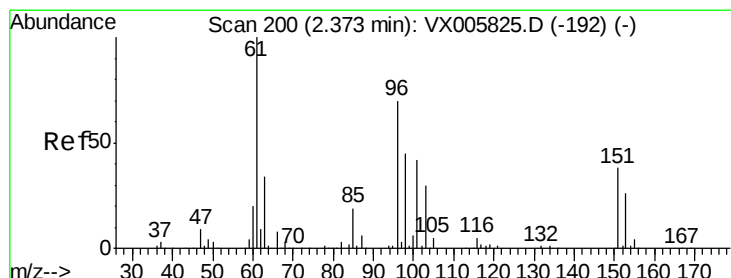
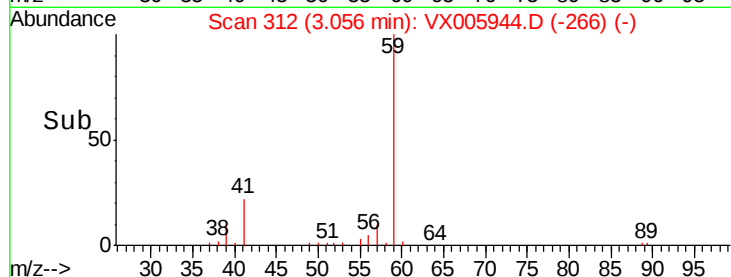
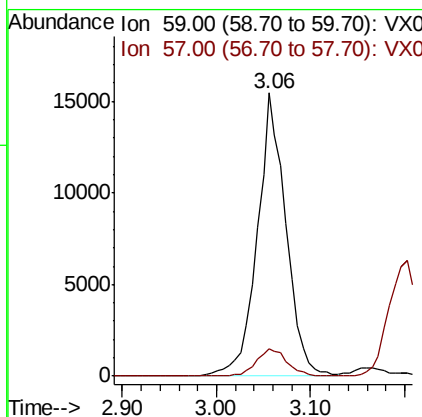
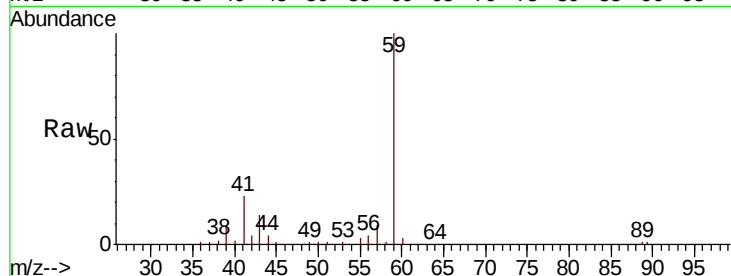
Tert butyl alcohol
Concen: 100.943 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	33035
Ion Ratio	100	Lower	Upper
59	100		
57	10.2	8.5	12.7

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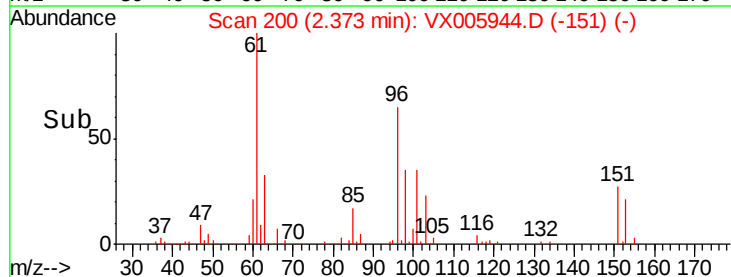
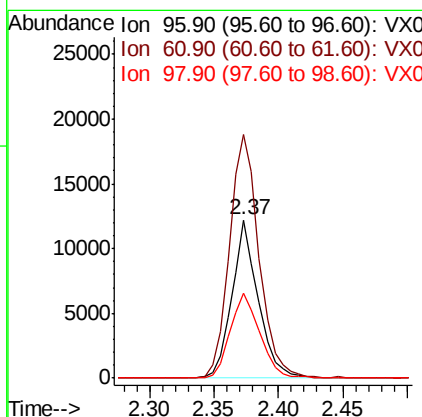
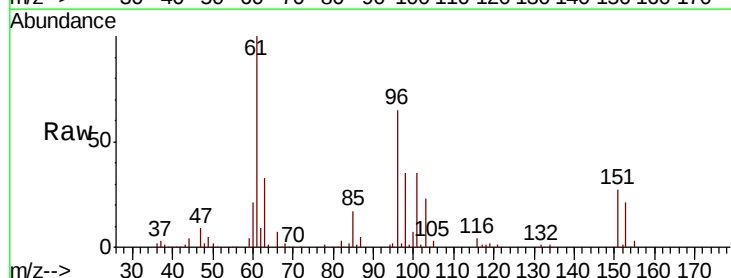
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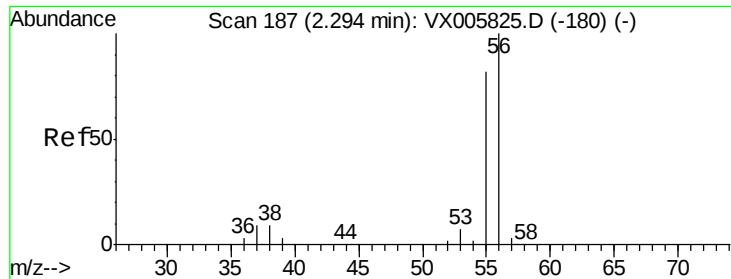


#12

1,1-Dichloroethene
Concen: 19.744 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	96	Resp	17342
Ion Ratio	100	Lower	Upper
96	100		
61	154.1	131.8	197.8
98	53.5	53.4	80.2





#13

Acrolein

Concen: 141.195 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 56 Resp: 20623

Ion Ratio Lower Upper

56 100

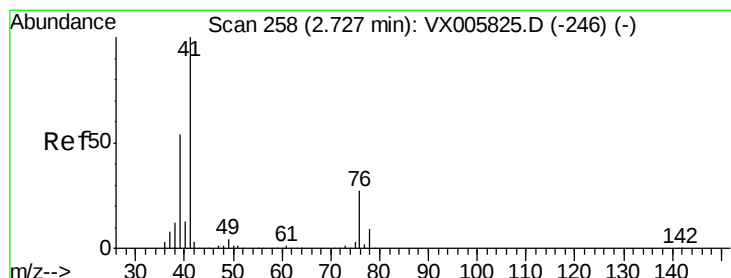
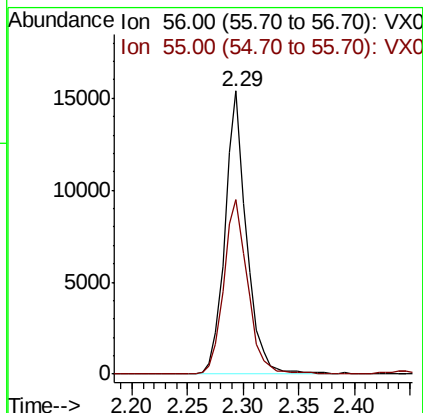
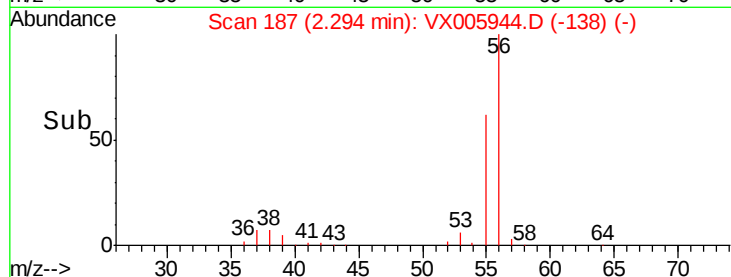
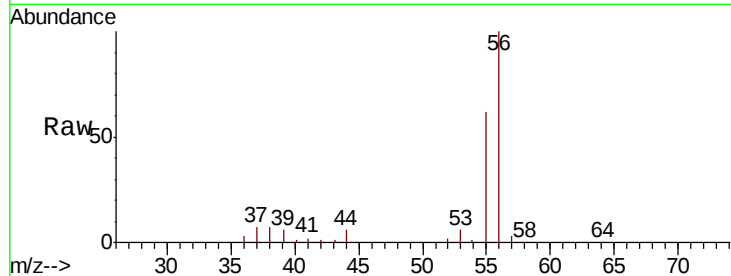
55 68.8 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 20.527 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

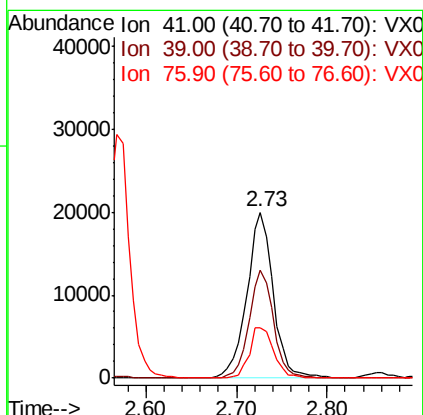
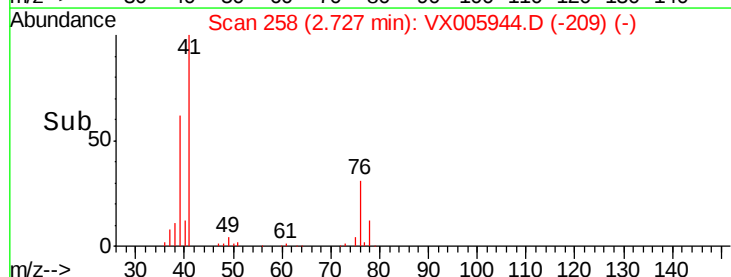
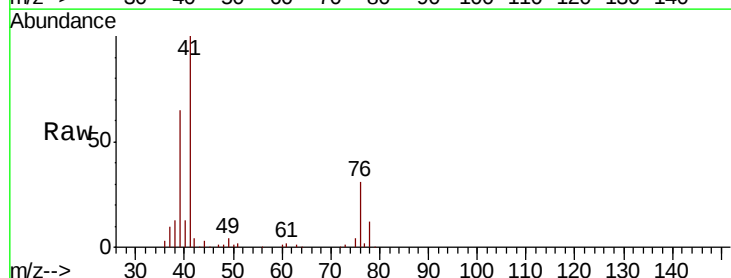
Tgt Ion: 41 Resp: 40269

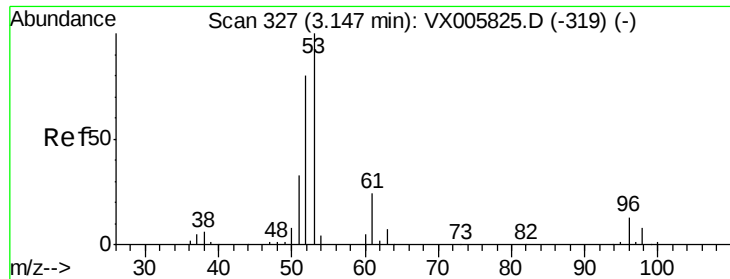
Ion Ratio Lower Upper

41 100

39 60.2 48.2 72.4

76 28.2 21.9 32.9





#15

Acrylonitrile

Concen: 101.822 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

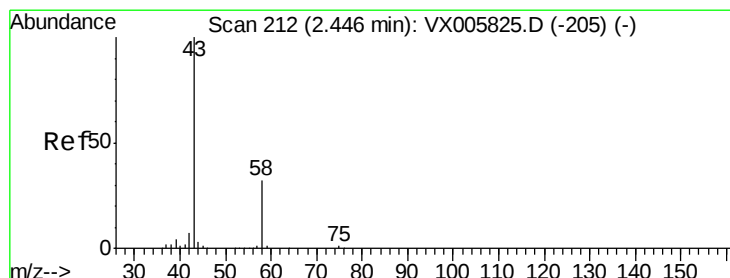
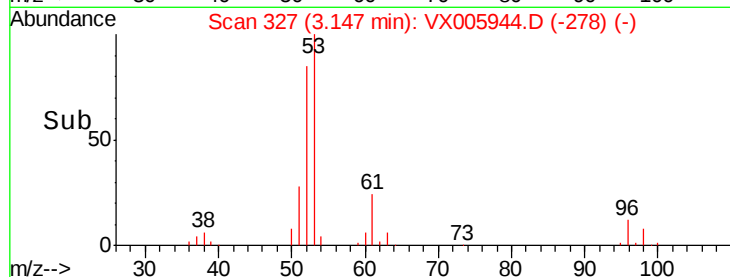
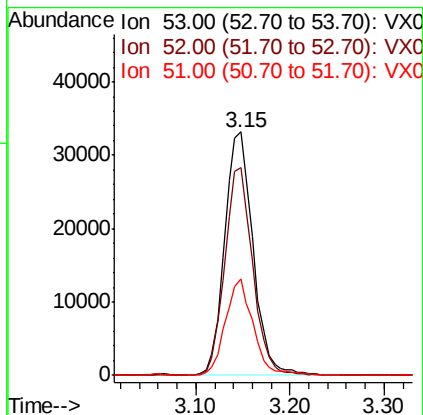
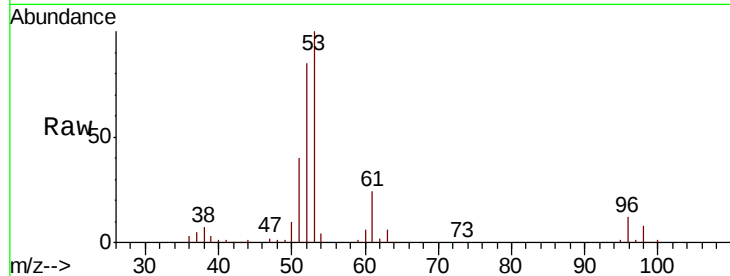
ClientSampleId :

VX1113WBS01

Tot Ion:	53	Resp:	69057
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.6	99.8
51	38.9	28.4	42.6

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#16

Acetone

Concen: 106.744 ug/l

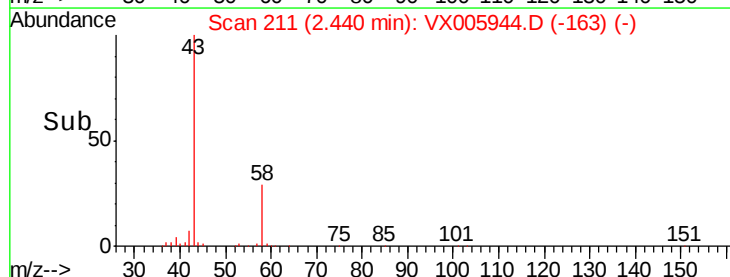
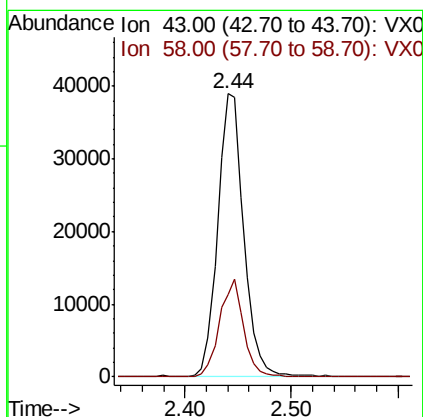
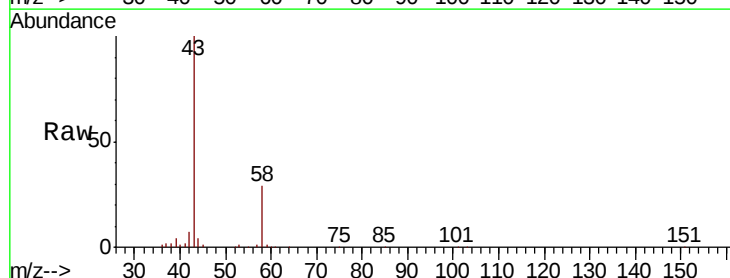
RT: 2.44 min Scan# 211

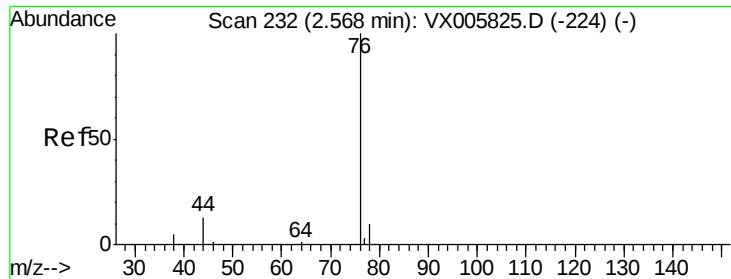
Delta R.T. -0.01 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Tgt Ion:	43	Resp:	65659
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.8	35.6





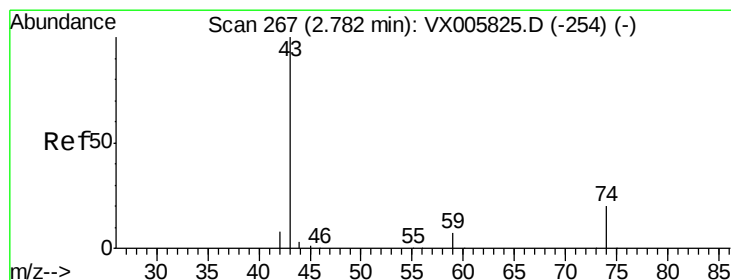
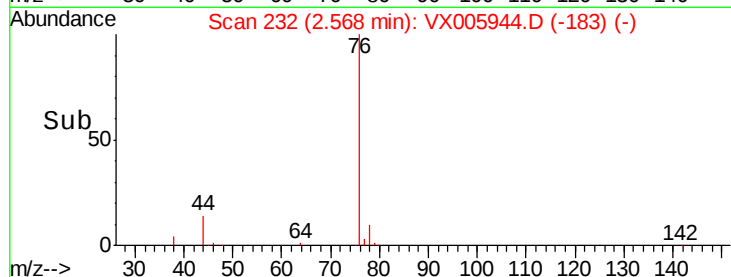
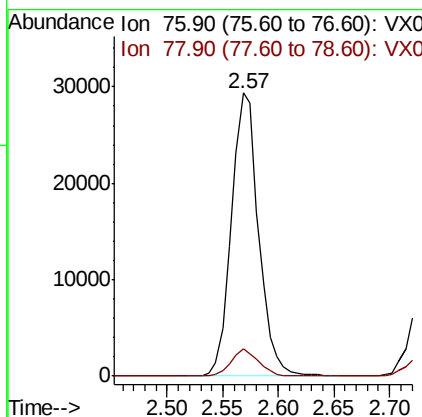
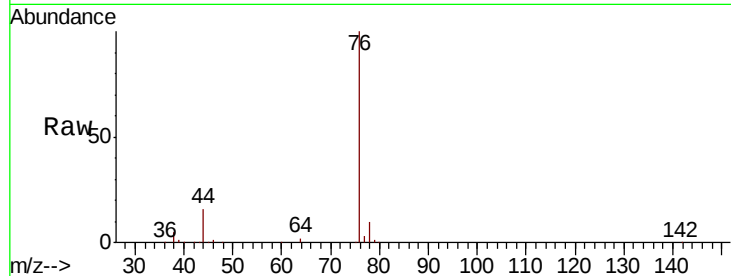
#17
Carbon Disulfide
Concen: 18.975 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion: 76 Resp: 49714
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

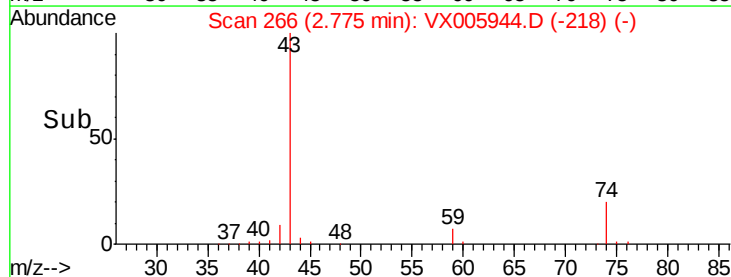
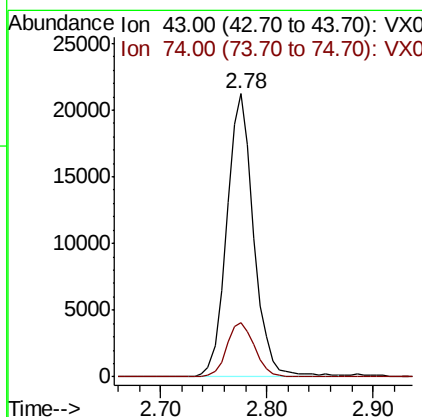
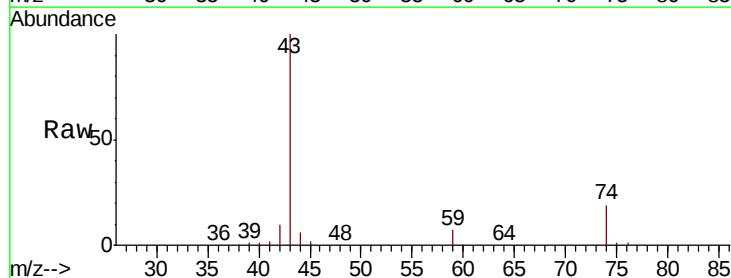
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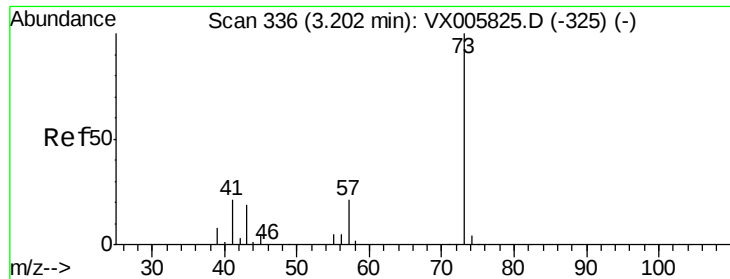
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#18
Methyl Acetate
Concen: 21.720 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion: 43 Resp: 37186
Ion Ratio Lower Upper
43 100
74 20.1 16.8 25.2





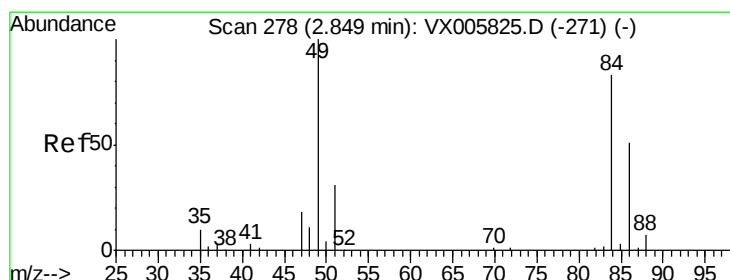
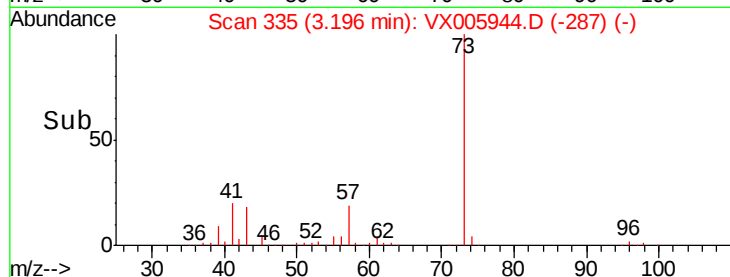
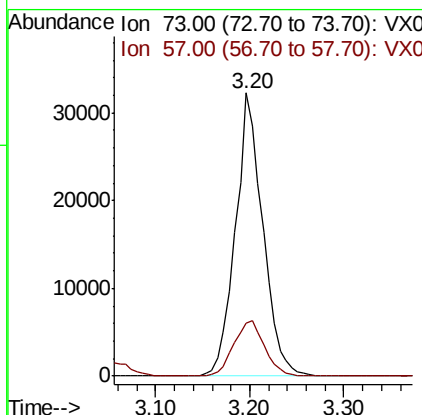
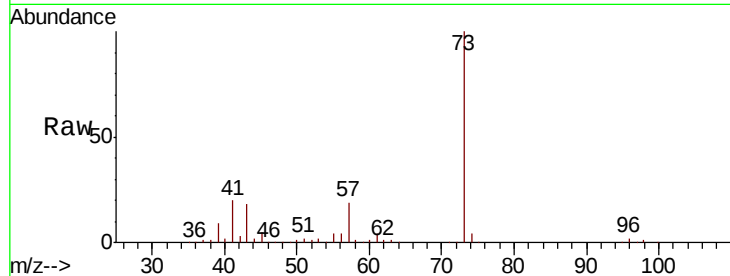
#19
Methyl tert-butyl Ether
Concen: 21.863 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion: 73 Resp: 65543
Ion Ratio Lower Upper
73 100
57 18.6 18.8 28.2#

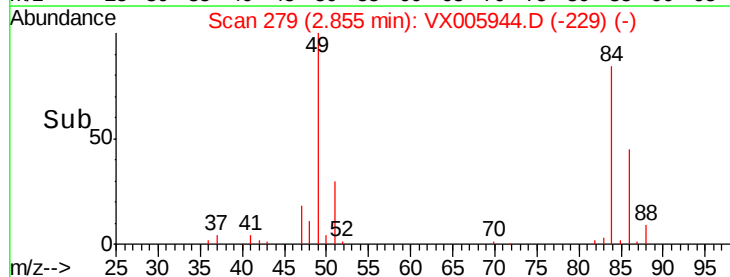
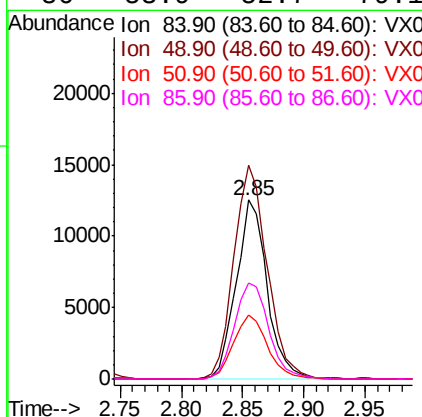
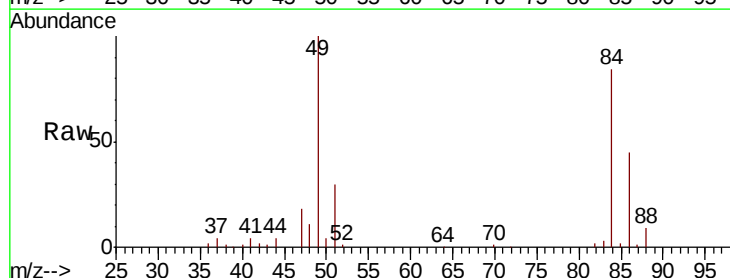
Manual Integrations
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#20
Methylene Chloride
Concen: 21.689 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion: 84 Resp: 21915
Ion Ratio Lower Upper
84 100
49 119.2 109.5 164.3
51 35.8 33.3 49.9
86 53.9 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 20.088 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 96 Resp: 18610

Ion Ratio Lower Upper

96 100

61 145.1 115.6 173.4

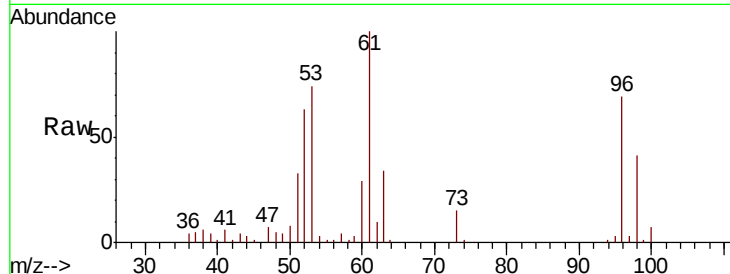
98 59.7 50.2 75.2

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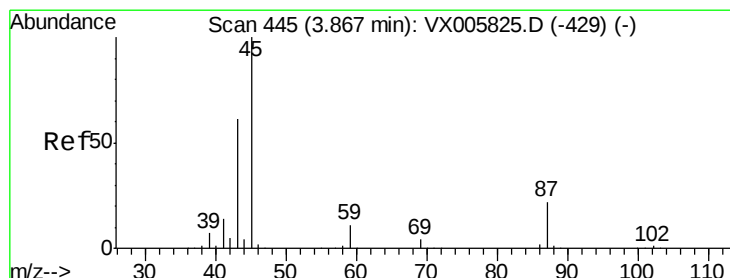
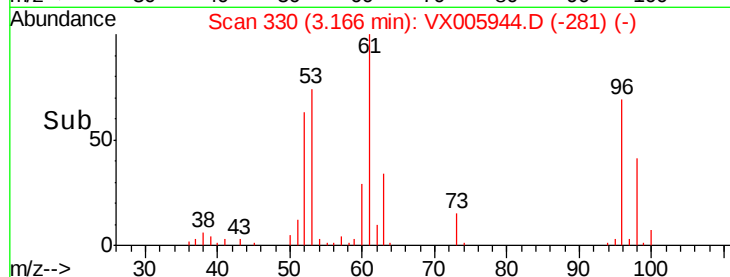
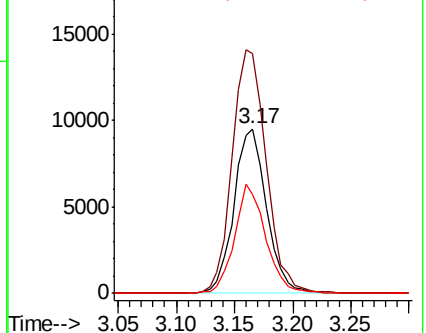
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.732 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Tgt Ion: 45 Resp: 74681

Ion Ratio Lower Upper

45 100

43 56.2 47.4 71.2

87 21.9 15.9 23.9

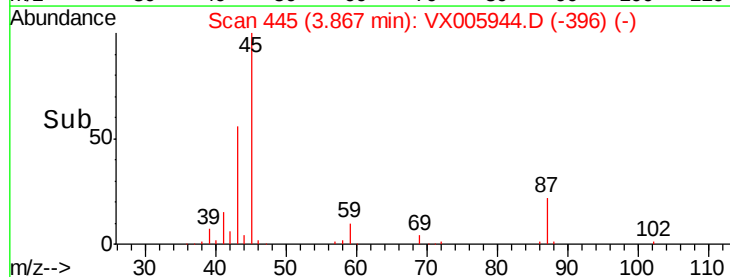
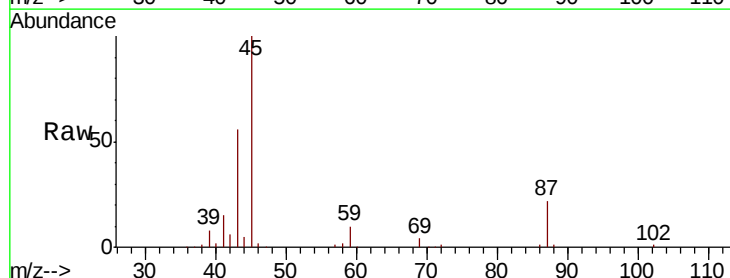
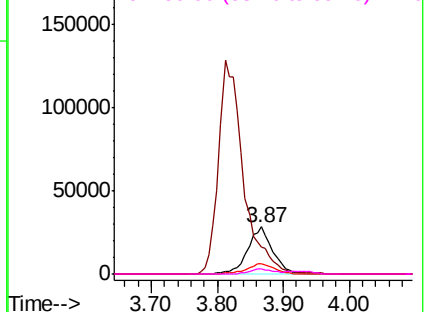
59 9.6 7.7 11.5

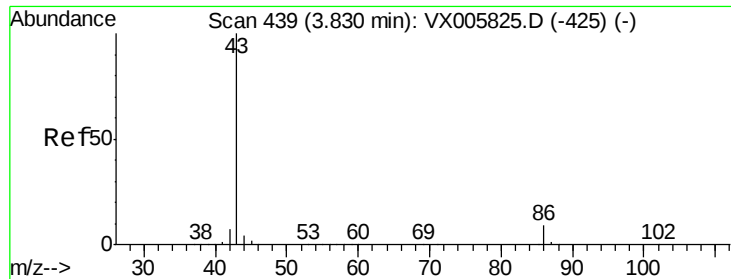
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 113.998 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.02 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleID :

VX1113WBS01

Tot Ion: 43 Resp: 335892

Ion Ratio Lower Upper

43 100

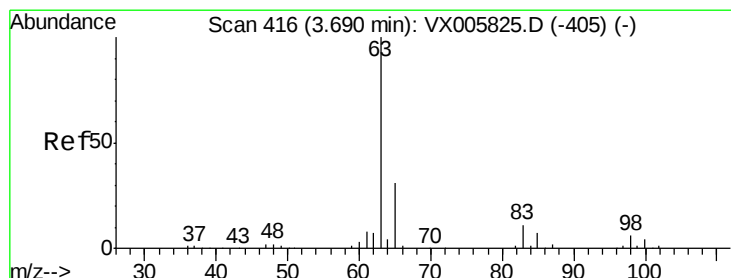
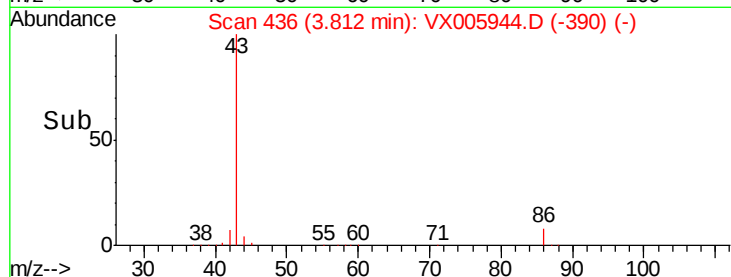
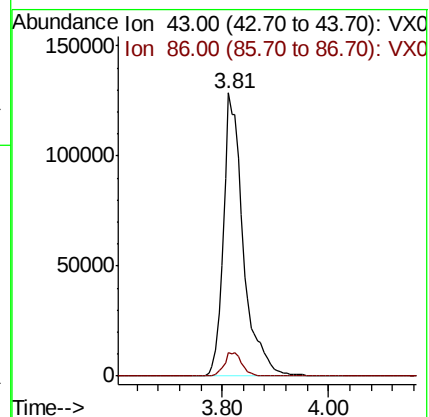
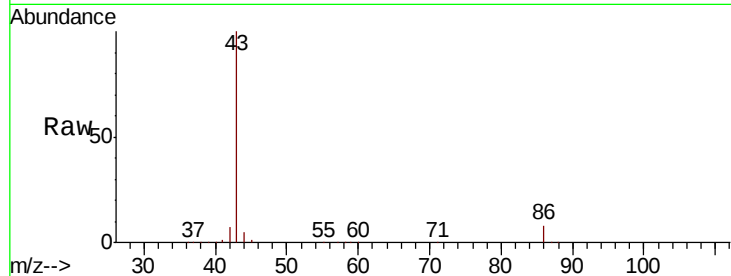
86 8.3 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.028 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

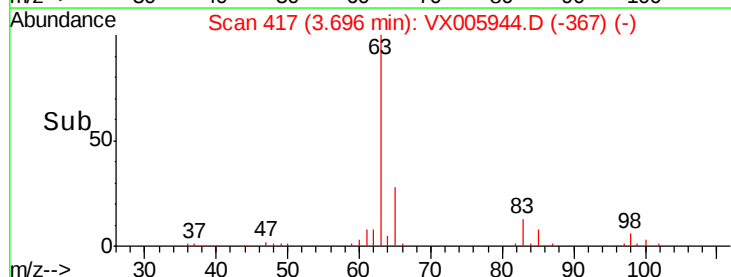
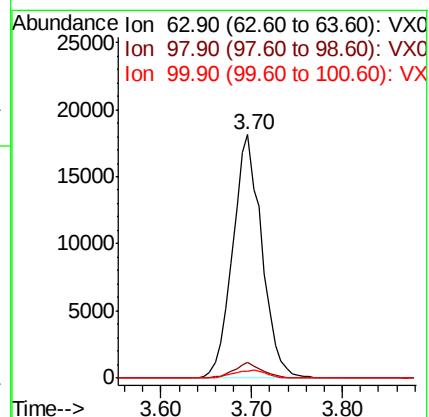
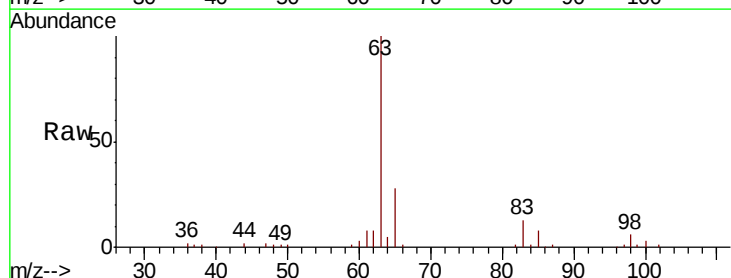
Tgt Ion: 63 Resp: 40387

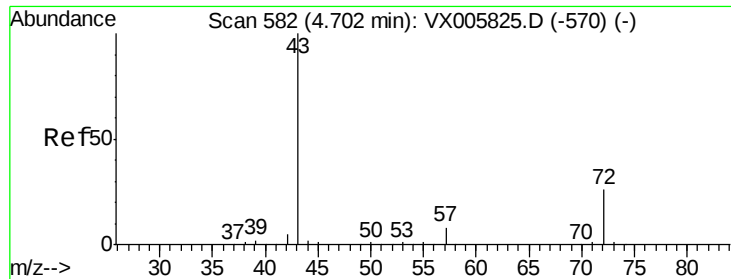
Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

100 3.0 2.1 6.2





#25

2-Butanone

Concen: 110.206 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 43 Resp: 106575

Ion Ratio Lower Upper

43 100

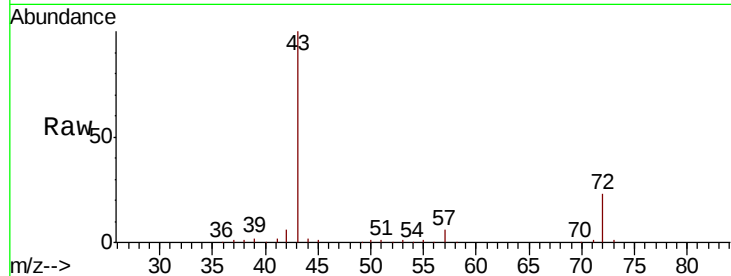
72 23.2 19.2 28.8

Manual Integrations

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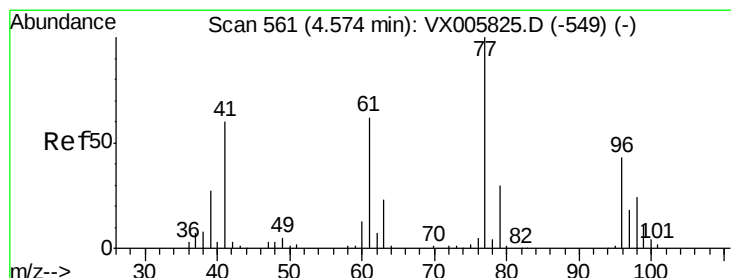
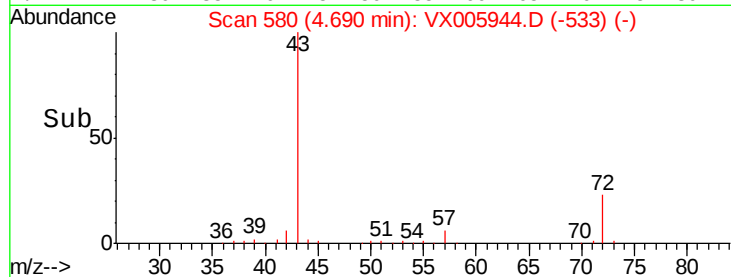
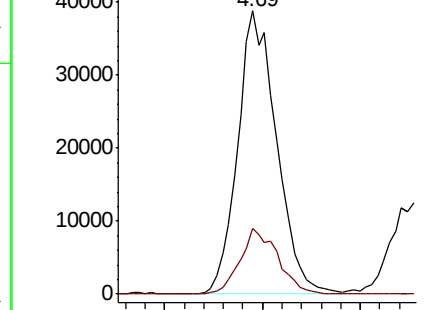
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-570) (-)

Ion 72.00 (71.70 to 72.70): VX005825.D (-570) (-)



#26

2,2-Dichloropropane

Concen: 21.569 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005944.D

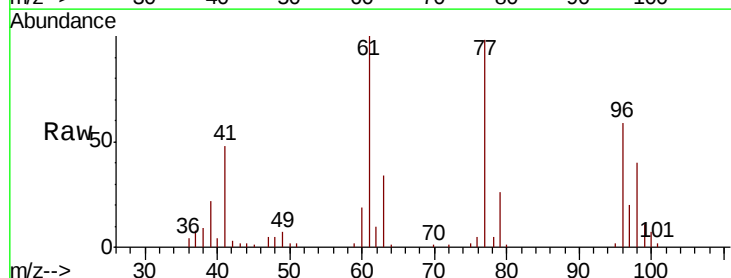
Acq: 13 Nov 2018 13:14

Tgt Ion: 77 Resp: 29008

Ion Ratio Lower Upper

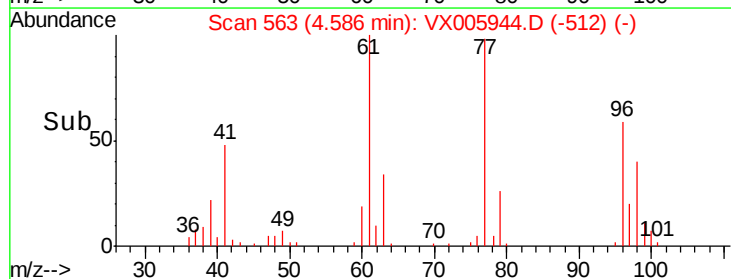
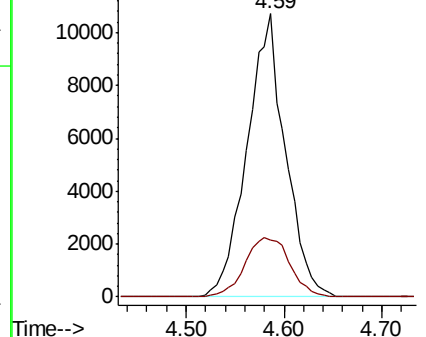
77 100

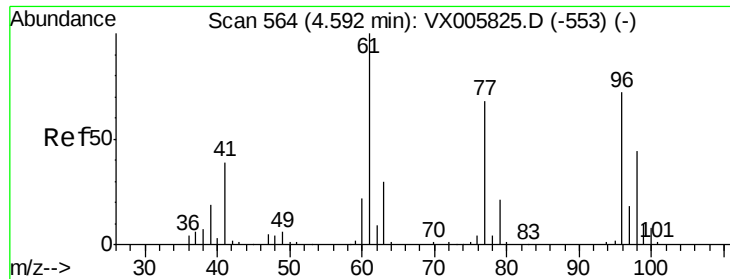
97 24.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX005825.D (-549) (-)

Ion 96.90 (96.60 to 97.60): VX005825.D (-549) (-)





#27

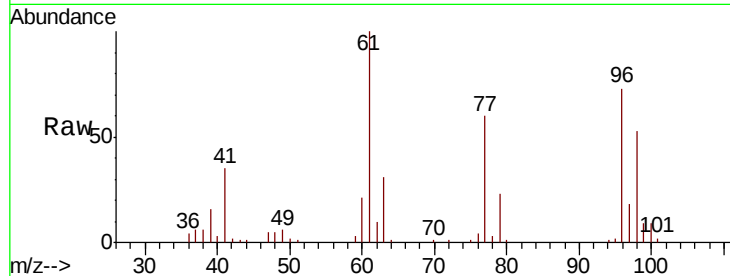
cis-1,2-Dichloroethene
Concen: 20.627 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	304.6
98	67.2	0.0	127.4

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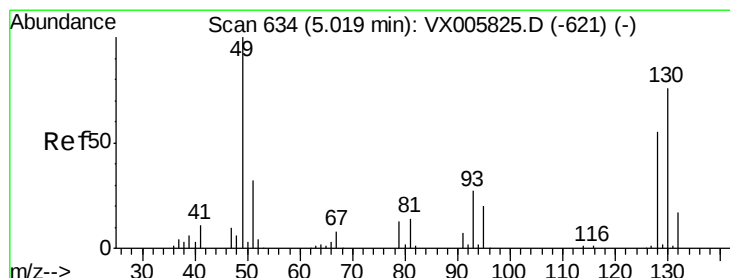
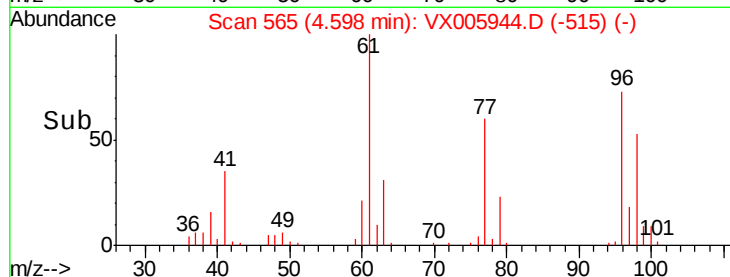
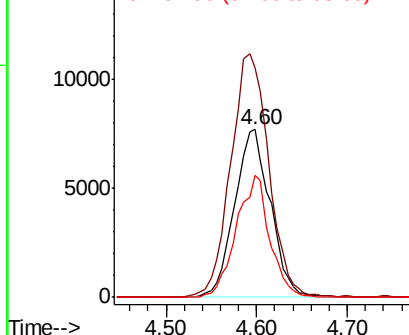


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

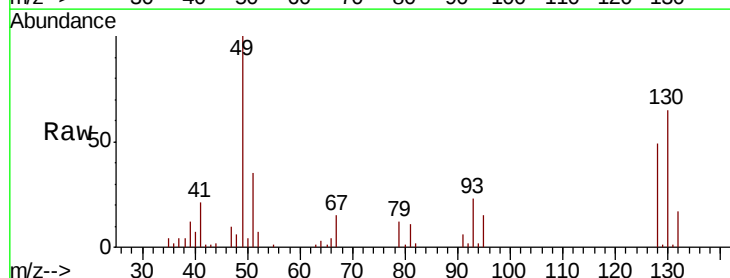
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 21.533 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	71.3	58.9	88.3

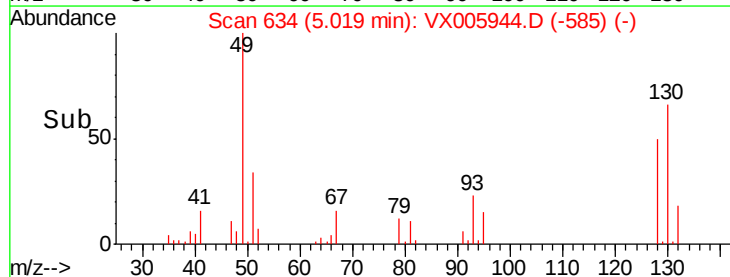
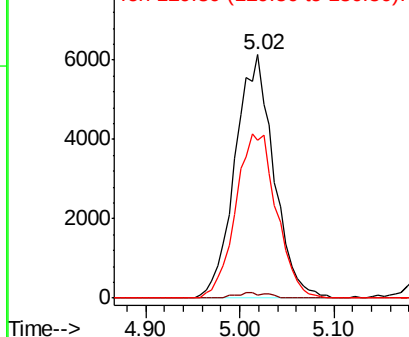


Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





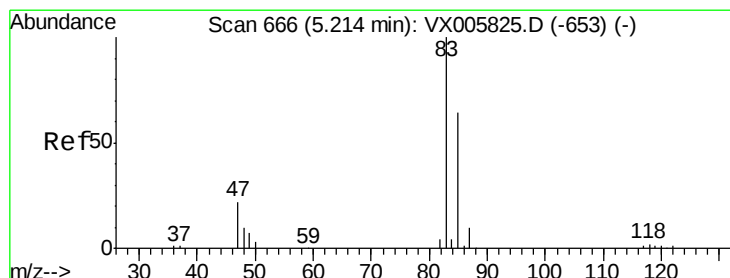
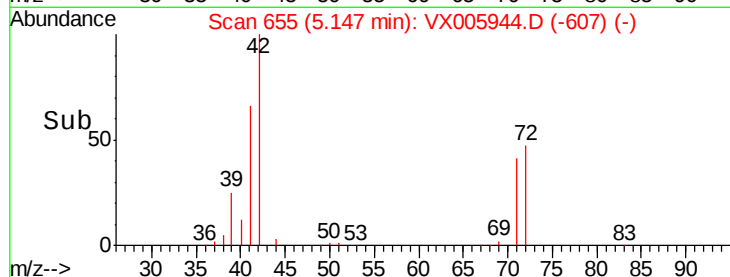
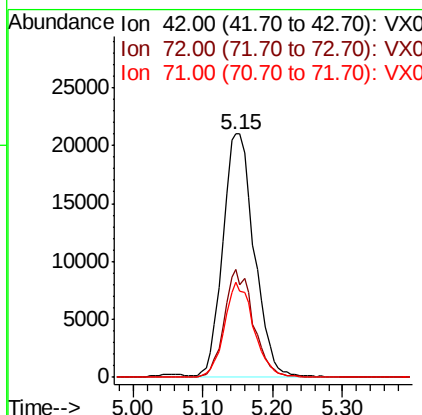
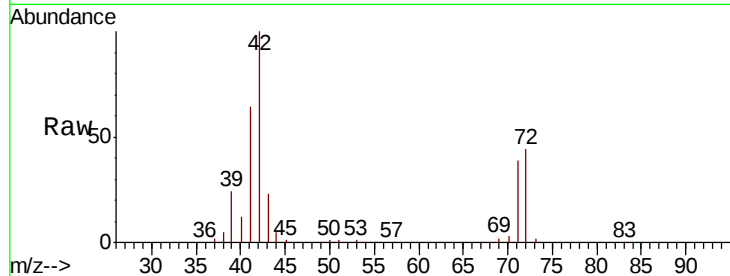
#29
Tetrahydrofuran
Concen: 105.452 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.0	48.0
71	36.3	29.8	44.8

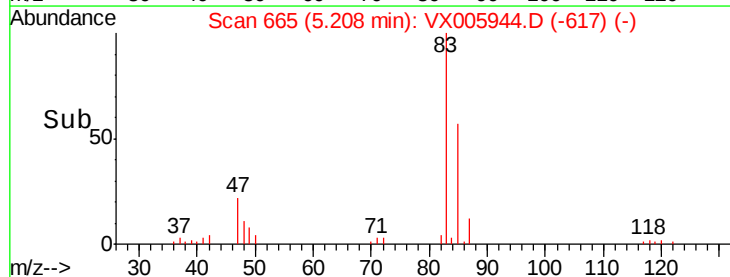
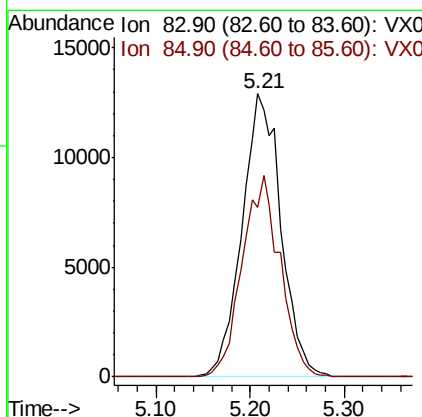
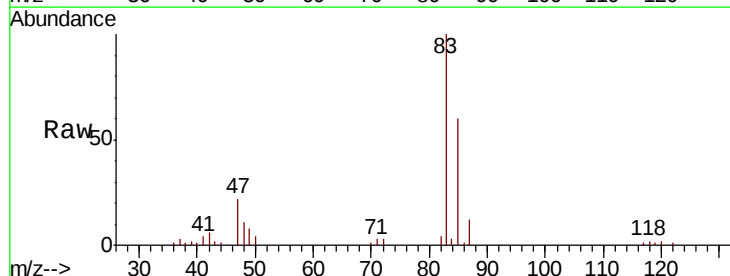
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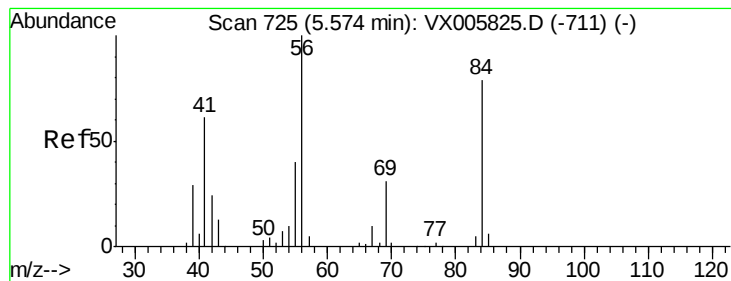
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#30
Chloroform
Concen: 21.146 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.1	50.6	76.0





#31

Cvclohexane

Concen: 20.752 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 56 Resp: 33027

Ion Ratio Lower Upper

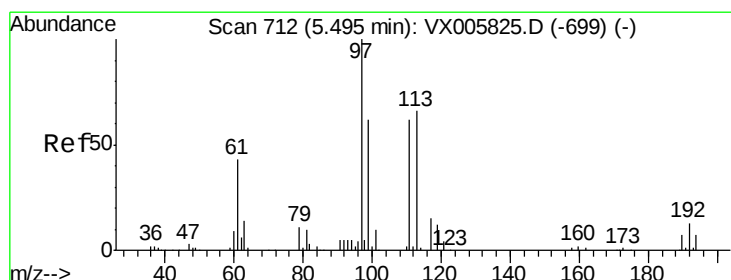
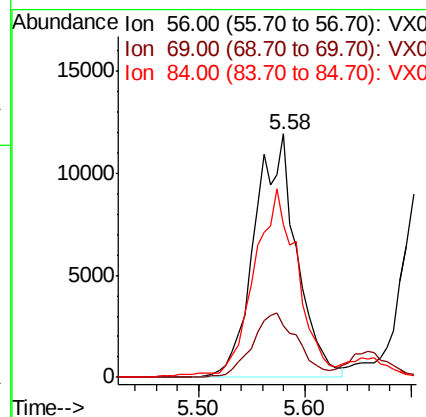
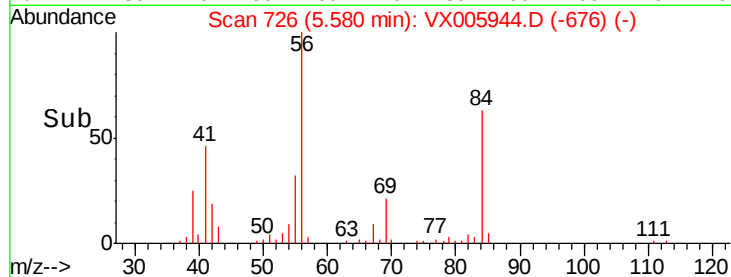
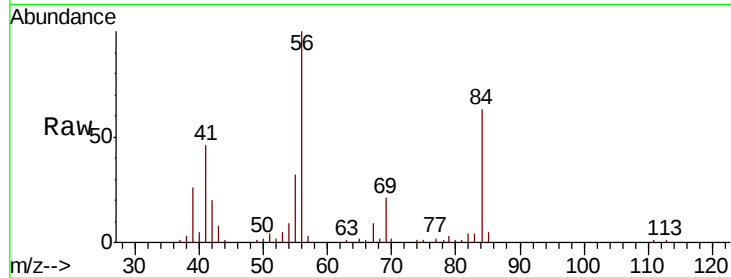
56 100

69 21.4 22.6 34.0#

84 61.5 62.7 94.1#

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#32

1,1,1-Trichloroethane

Concen: 21.878 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

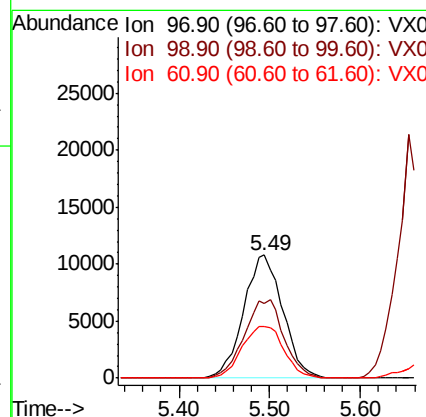
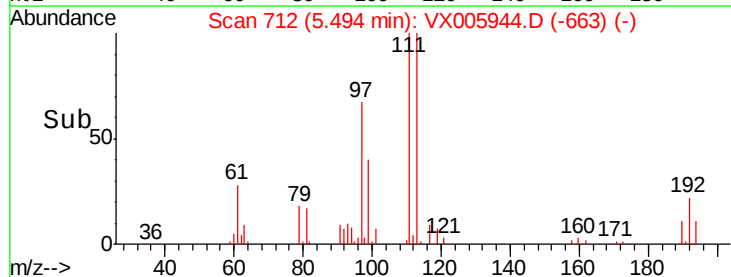
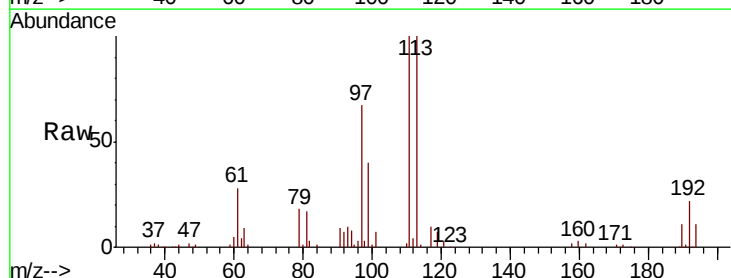
Tgt Ion: 97 Resp: 32278

Ion Ratio Lower Upper

97 100

99 64.5 52.3 78.5

61 45.5 35.2 52.8





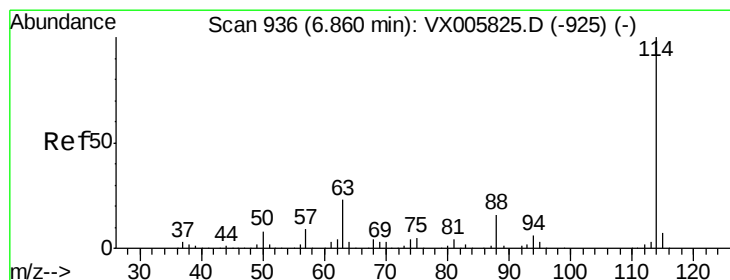
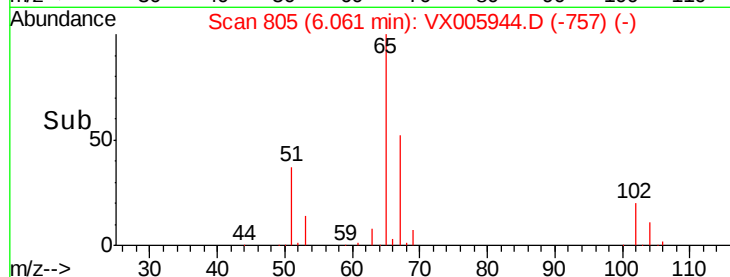
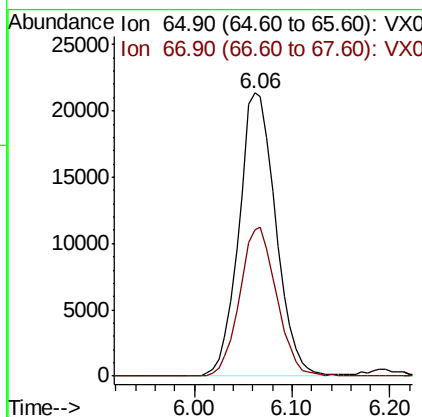
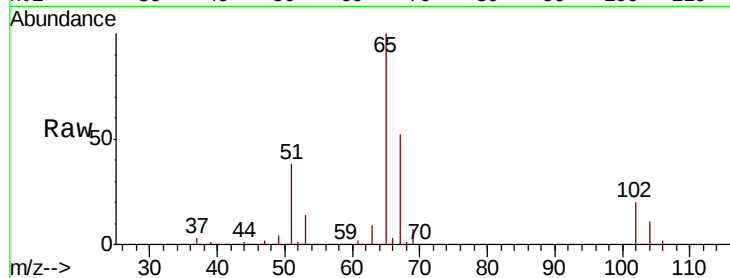
#33
 1,2-Dichloroethane-d4
 Concen: 49.027 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Tot Ion: 65 Resp: 56009
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.0

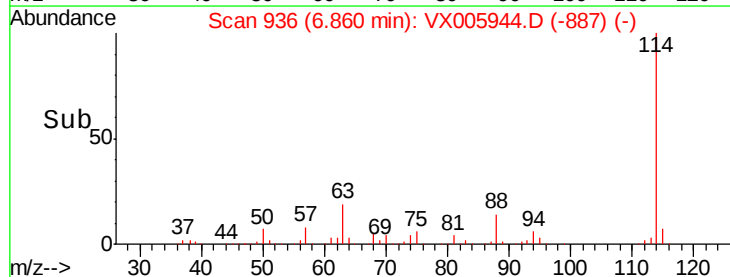
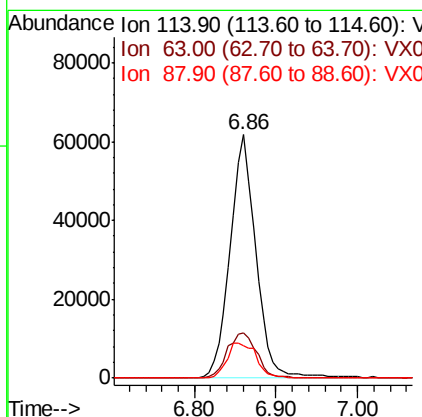
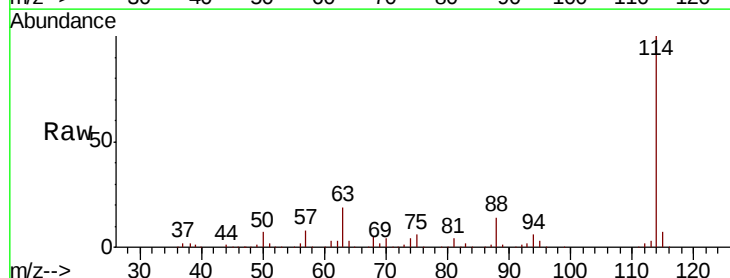
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Tgt Ion: 114 Resp: 134804
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 42.8
 88 13.5 0.0 31.2





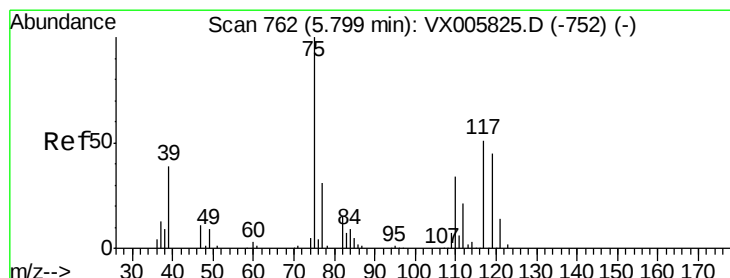
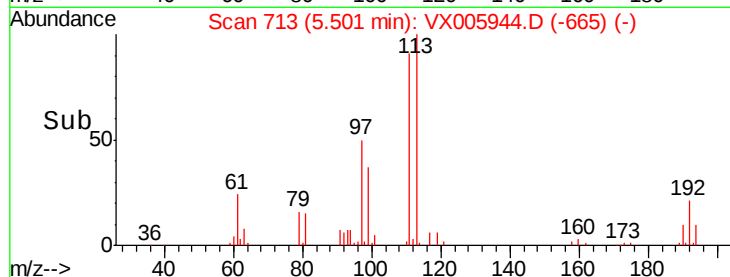
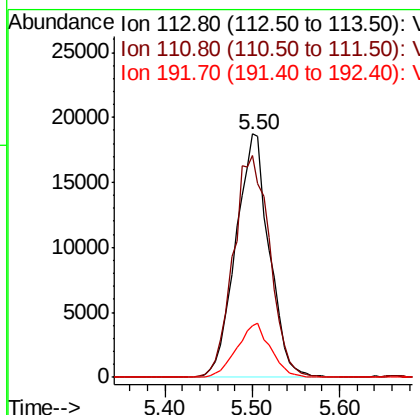
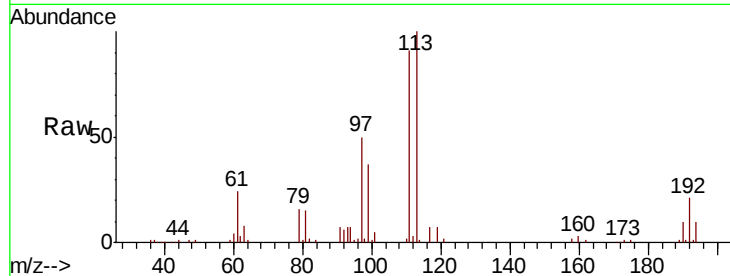
#35
 Dibromofluoromethane
 Concen: 54.385 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.3	82.3	123.5
192	21.9	17.9	26.9

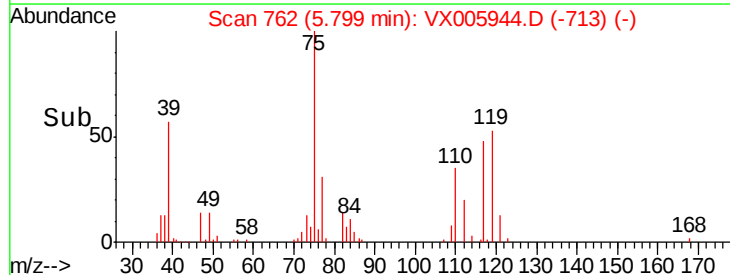
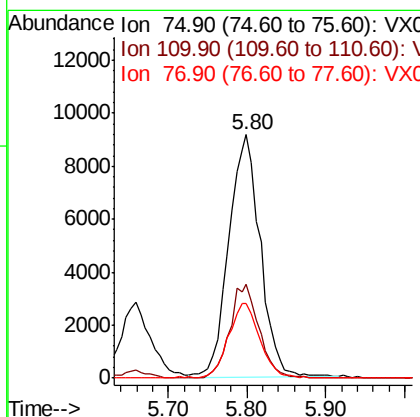
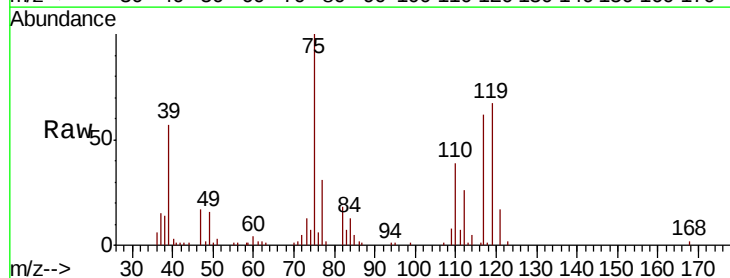
Manual Integrations
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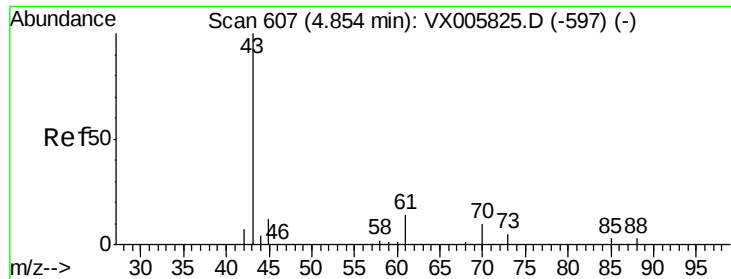
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#36
 1,1-Dichloropropene
 Concen: 19.492 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.4	52.2
77	30.7	25.8	38.6





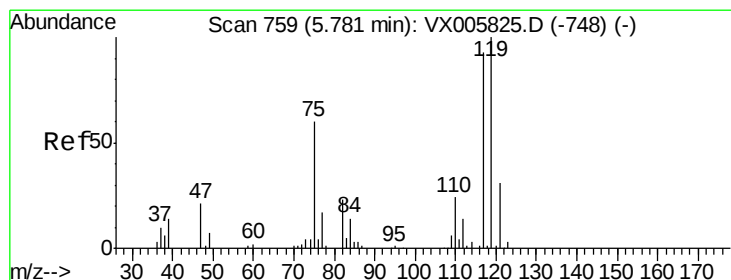
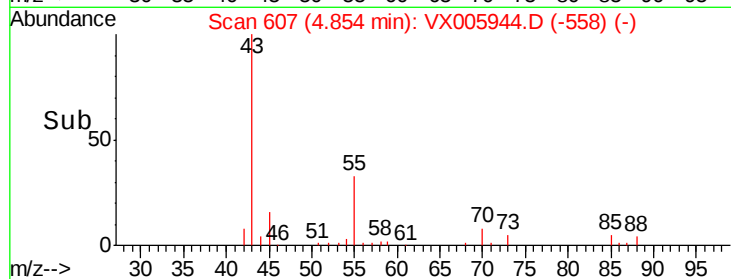
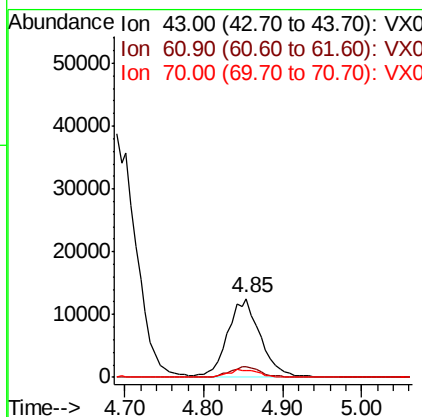
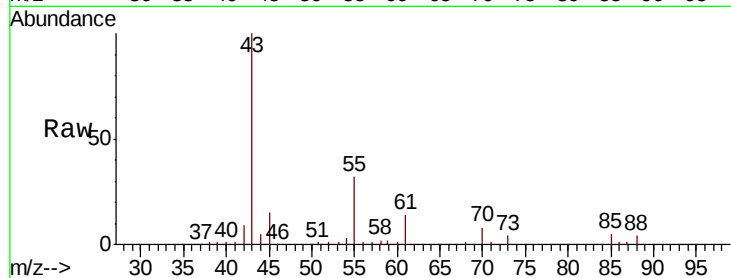
#37
Ethyl Acetate
Concen: 20.959 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	9.5	7.8	11.8

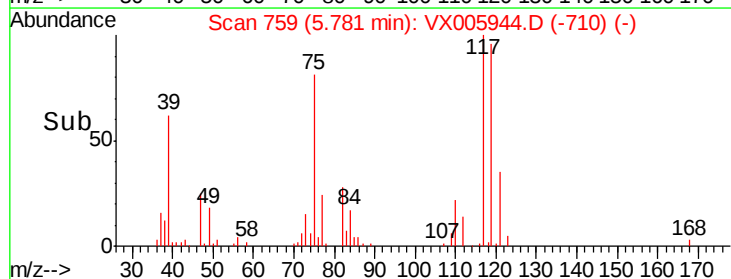
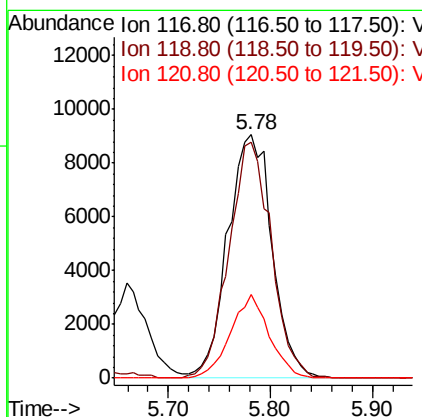
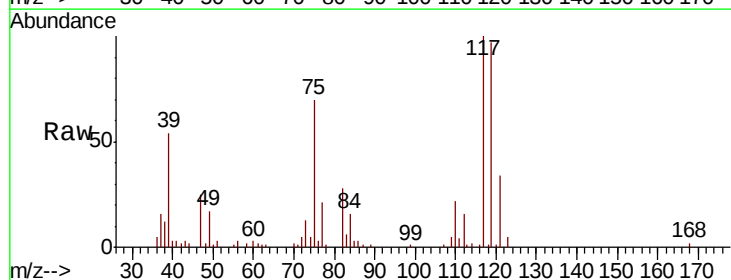
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#38
Carbon Tetrachloride
Concen: 21.011 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.1	117.1
121	34.3	24.6	36.8





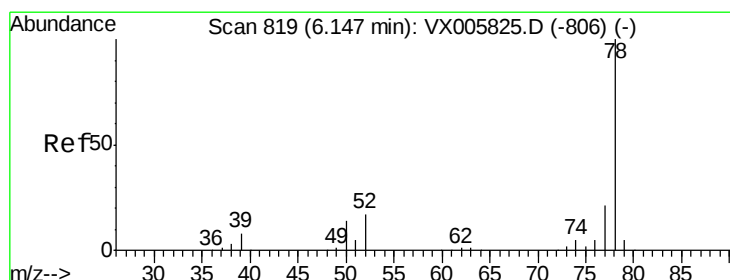
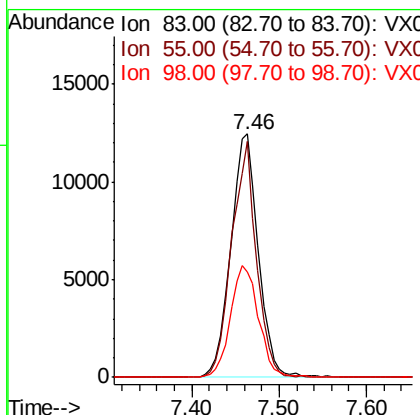
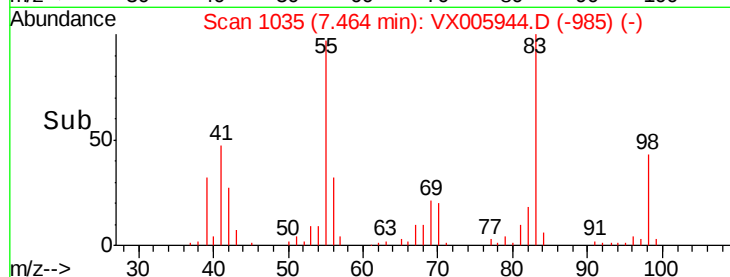
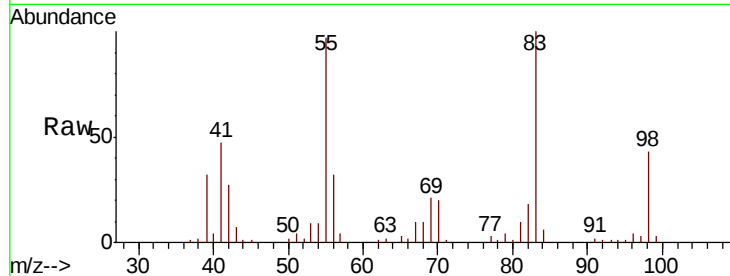
#39
Methvlcvclohexane
Concen: 20.678 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.2	63.7	95.5#
98	43.2	36.2	54.2

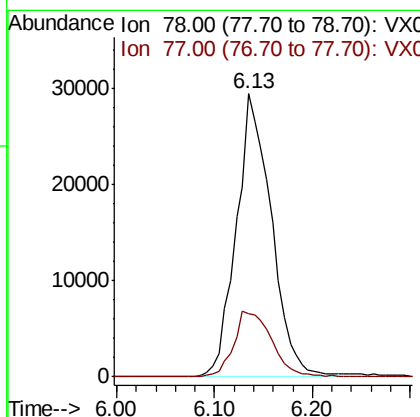
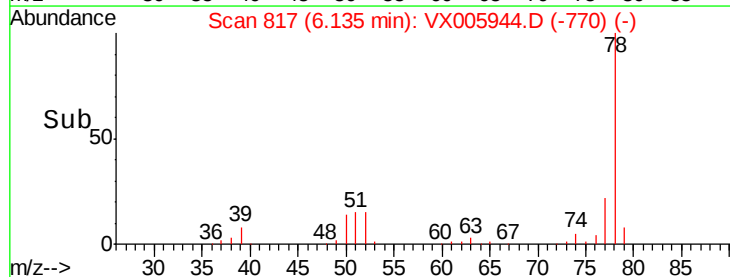
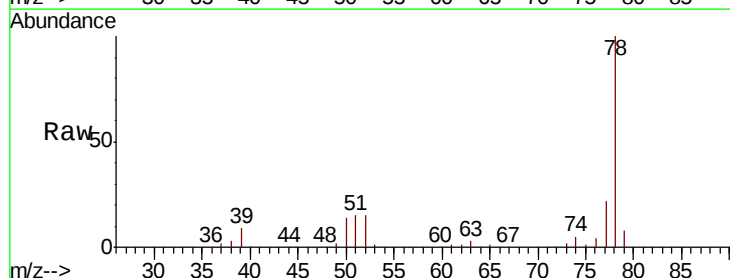
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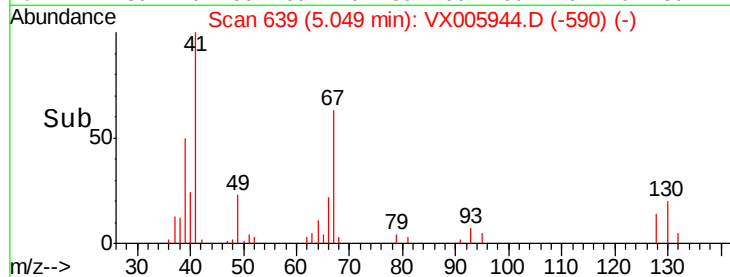
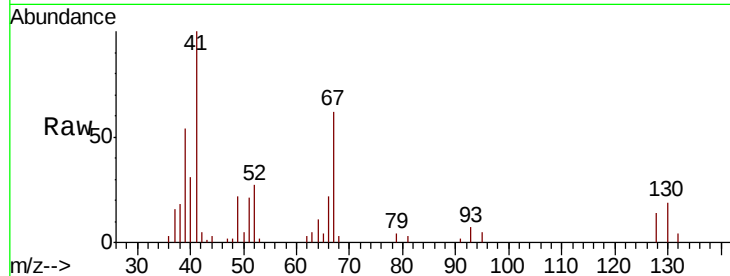
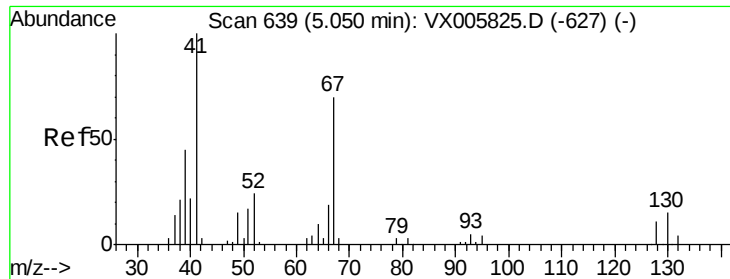
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#40
Benzene
Concen: 19.377 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.4	27.6





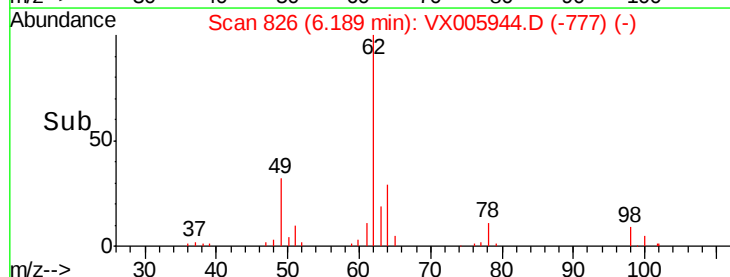
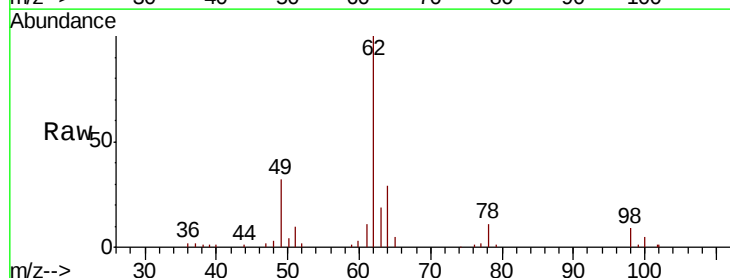
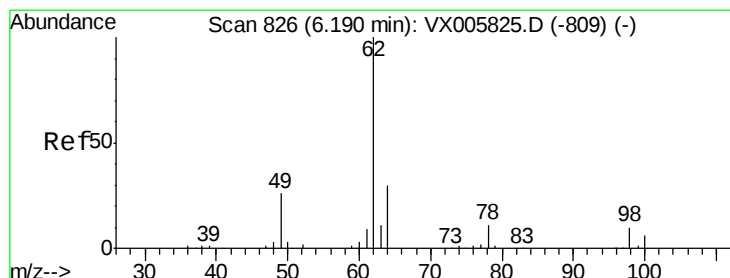
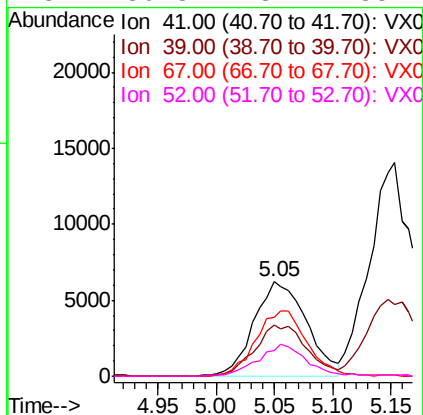
#41
Methacrylonitrile
Concen: 21.127 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tot Ion	Ion	Ratio	Lower	Upper	Resp
41	100				19509
39	53.2	42.2	63.2		
67	67.1	53.4	80.0		
52	30.8	23.4	35.2		

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

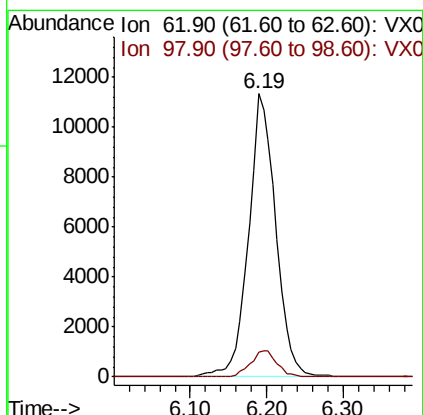
Manual Integrations
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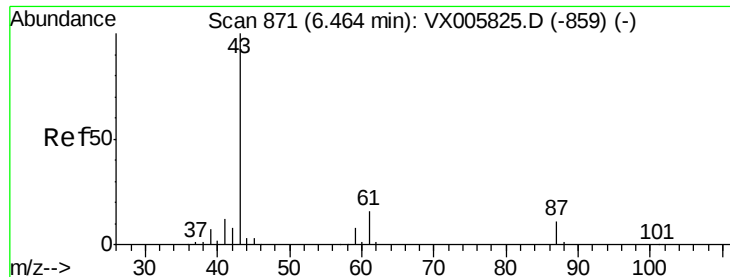
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.706 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	Ion	Ratio	Lower	Upper	Resp
62	100				28096
98	9.0	0.0	17.8		





#43

Isopropyl Acetate

Concen: 21.026 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

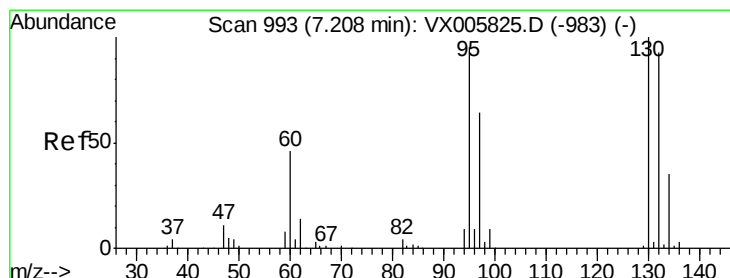
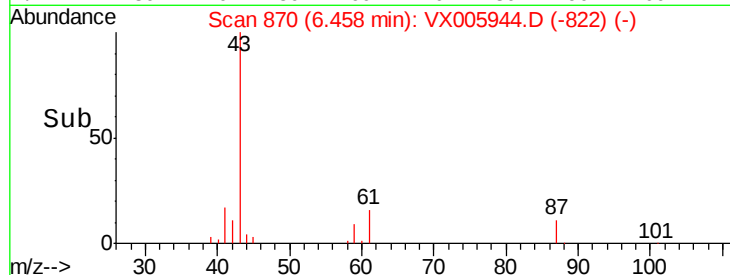
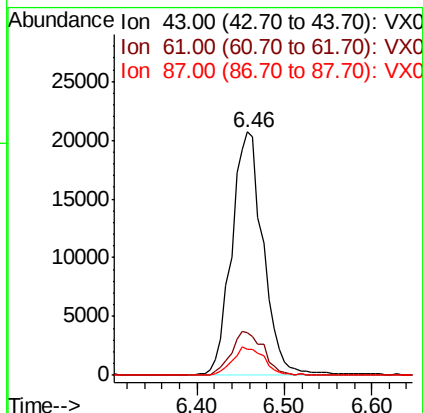
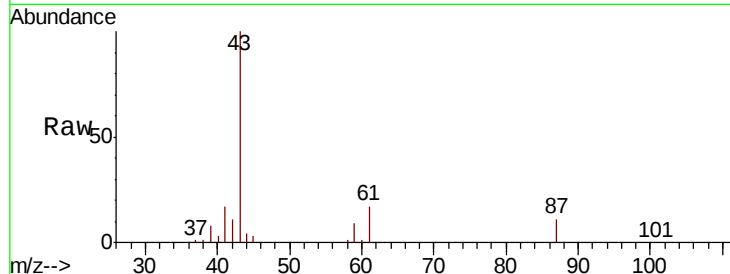
ClientSampleId :

VX1113WBS01

Tot Ion:	43	Resp:	52065
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.6	22.0
87	11.7	9.6	14.4

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#44

Trichloroethene

Concen: 20.662 ug/l

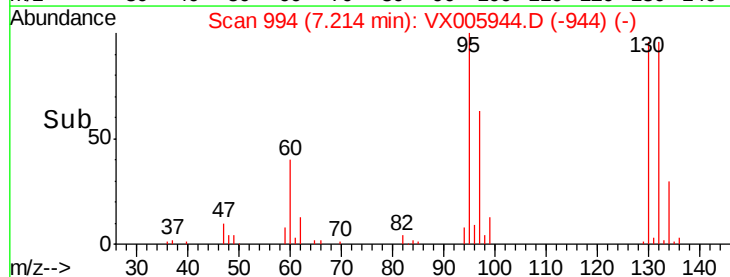
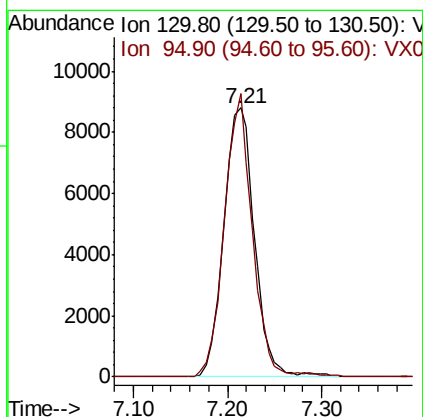
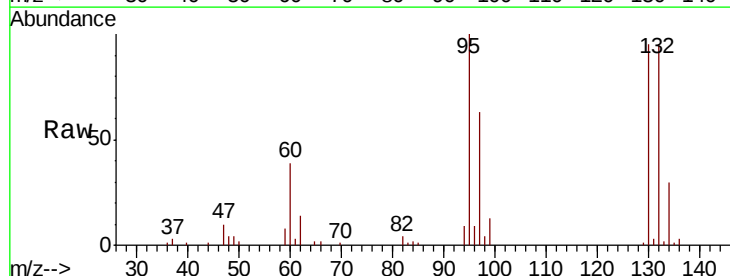
RT: 7.21 min Scan# 994

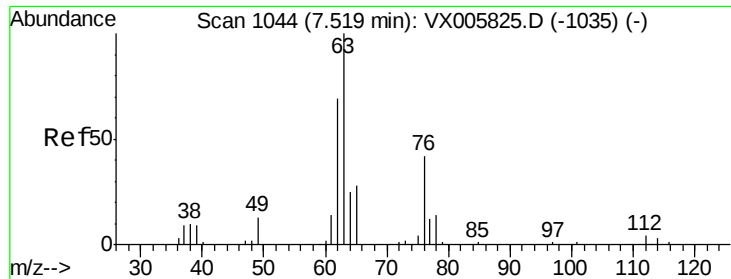
Delta R.T. 0.01 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Tgt Ion:	130	Resp:	19879
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	194.2





#45

1,2-Dichloropropane

Concen: 21.499 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 63 Resp: 19769

Ion Ratio Lower Upper

63 100

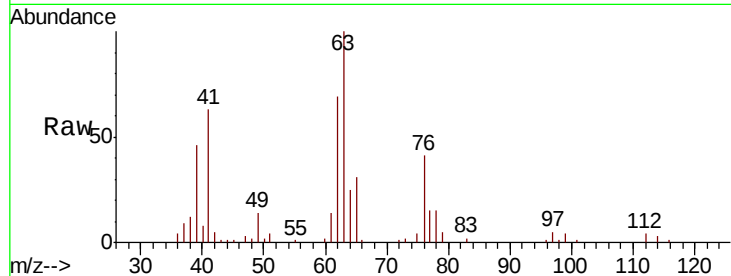
65 30.5 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

10000

8000

6000

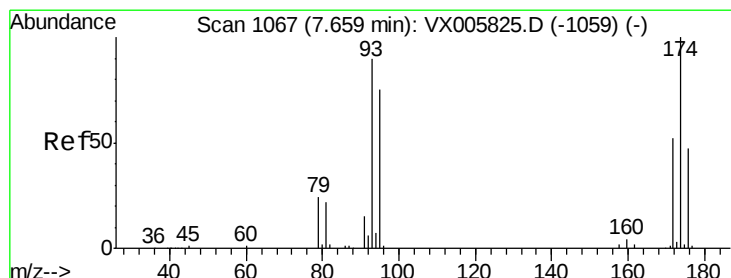
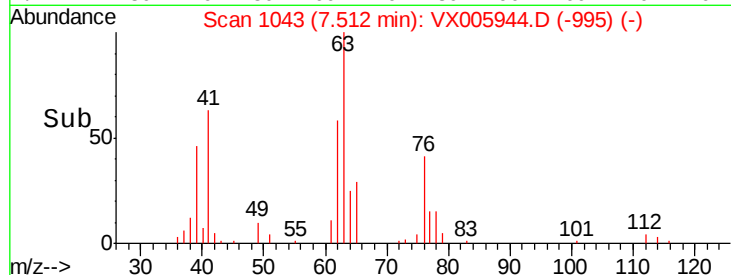
4000

2000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 21.847 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

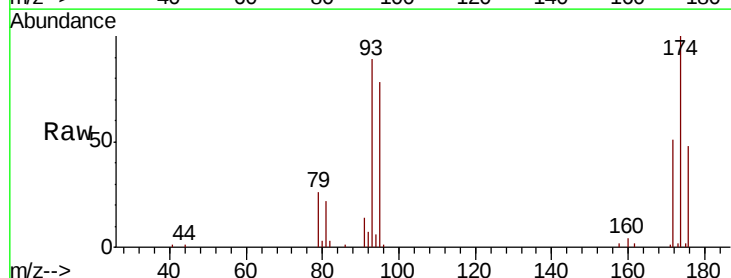
Tgt Ion: 93 Resp: 12606

Ion Ratio Lower Upper

93 100

95 86.3 67.4 101.0

174 112.6 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

10000

8000

6000

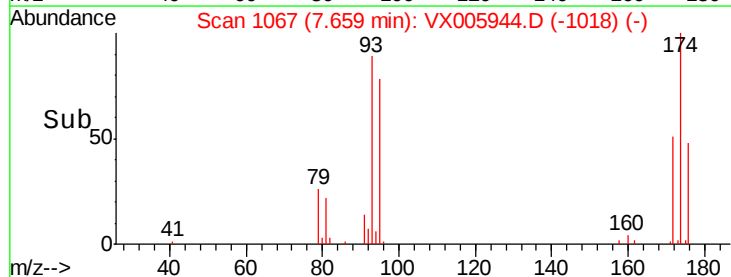
4000

2000

0

Time-->

7.60 7.65 7.70 7.75





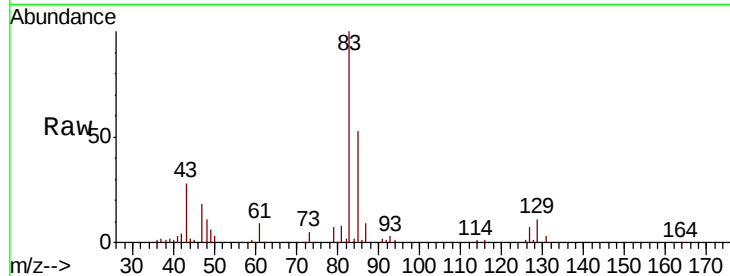
#47
Bromodichloromethane
Concen: 24.673 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	52.7	50.2	75.4
127	7.3	6.9	10.3

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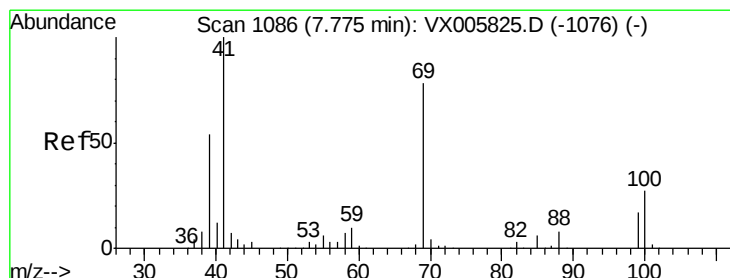
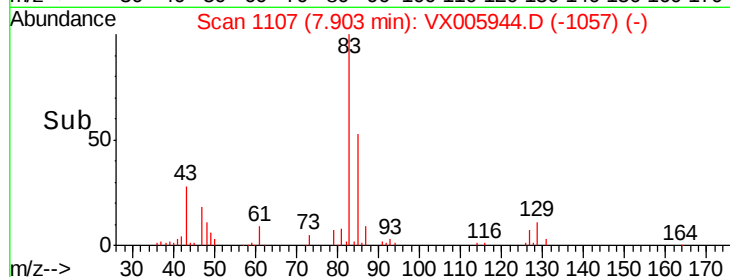
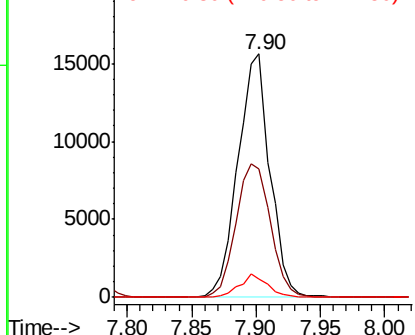


Abundance

Ion 82.90 (82.60 to 83.60): VX0

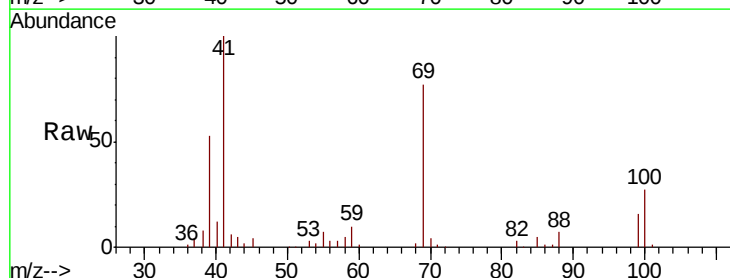
Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48
Methyl methacrylate
Concen: 21.703 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.3	63.2	94.8
39	52.9	42.2	63.2

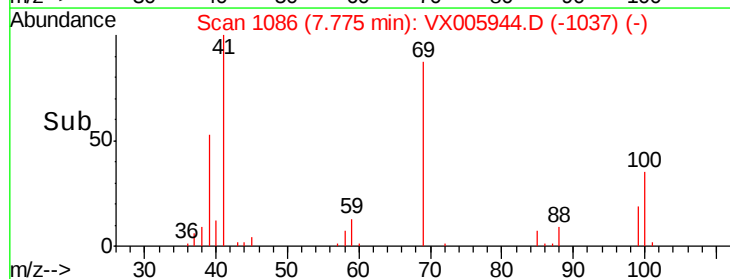
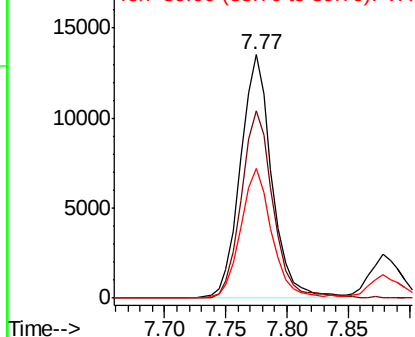


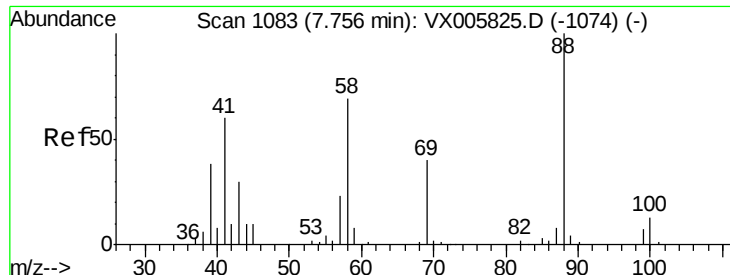
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





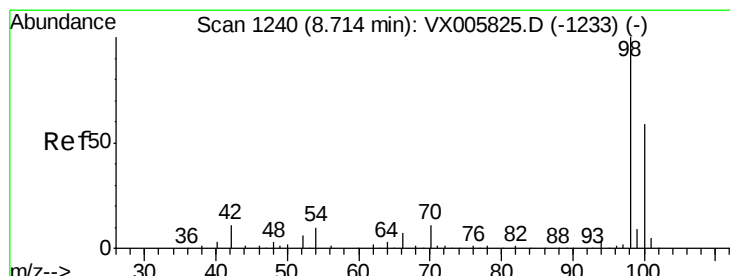
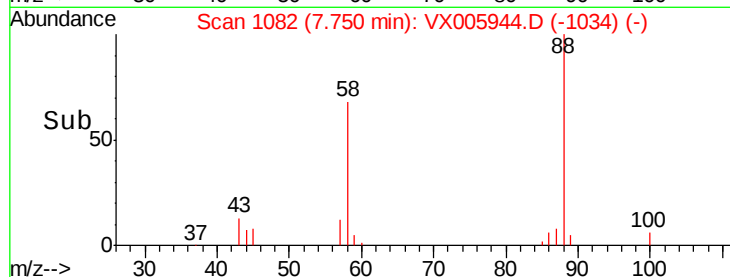
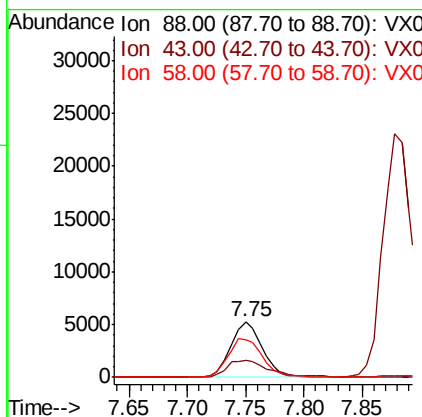
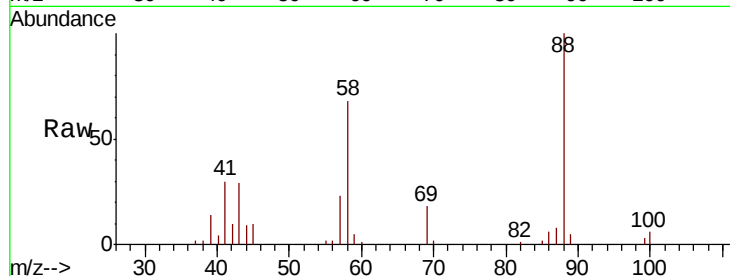
#49
1,4-Dioxane
Concen: 415.075 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.8	27.4	41.0#
58	76.2	59.4	89.2

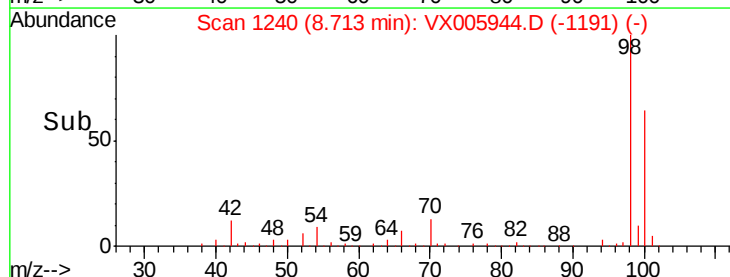
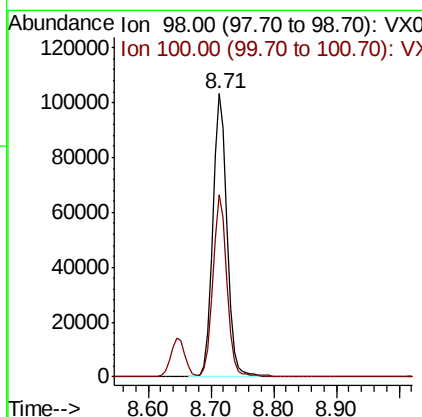
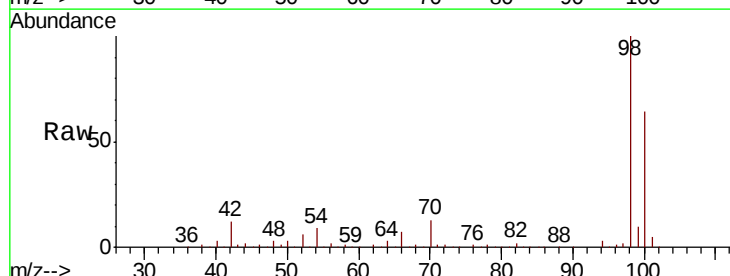
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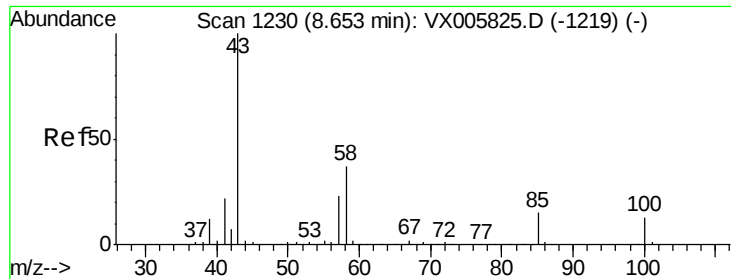
MMDadoda
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#50
Toluene-d8
Concen: 53.113 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 106.419 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 43 Resp: 166081

Ion Ratio Lower Upper

43 100

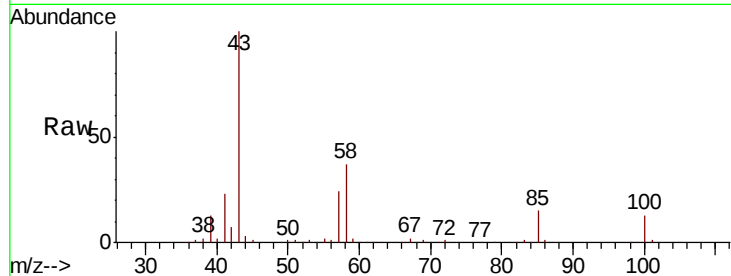
58 36.7 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

120000

100000

80000

60000

40000

20000

0

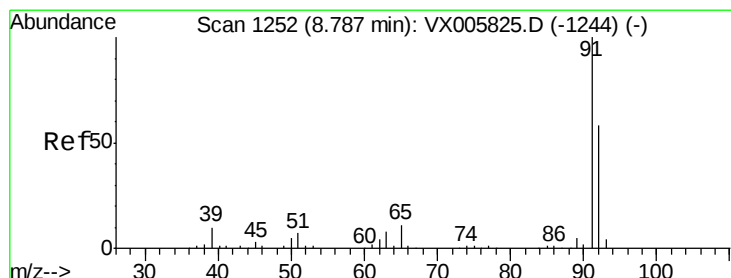
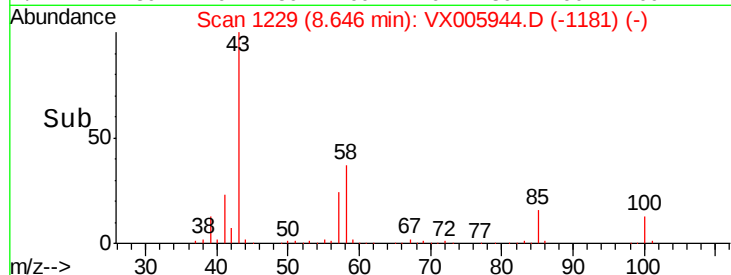
8.55

8.60

8.65

8.70

Time-->



#52

Toluene

Concen: 20.954 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005944.D

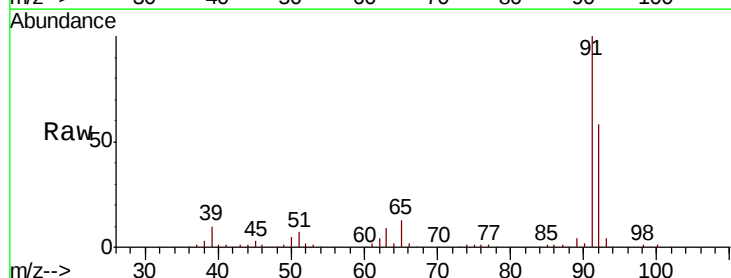
Acq: 13 Nov 2018 13:14

Tgt Ion: 92 Resp: 44366

Ion Ratio Lower Upper

92 100

91 174.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

50000

40000

30000

20000

10000

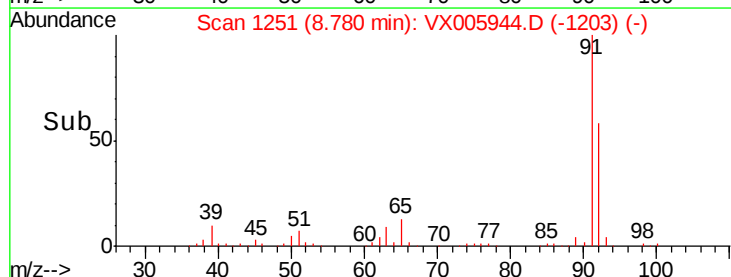
0

8.70

8.80

8.90

Time-->





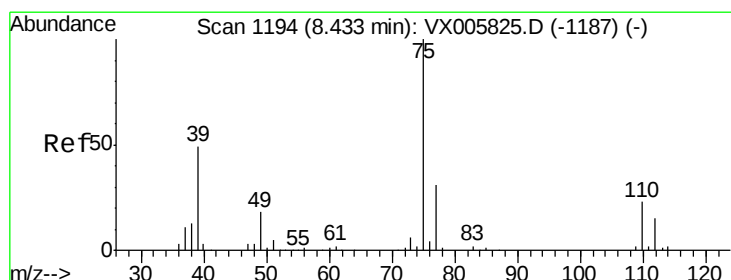
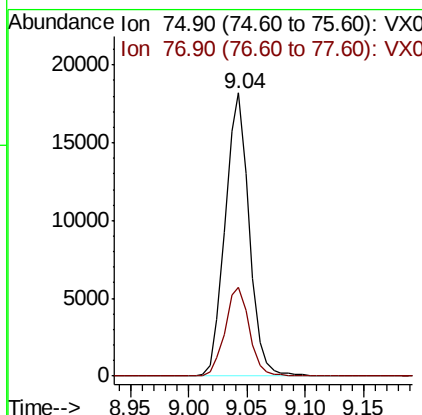
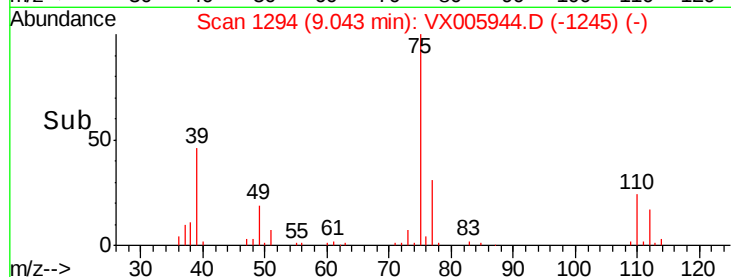
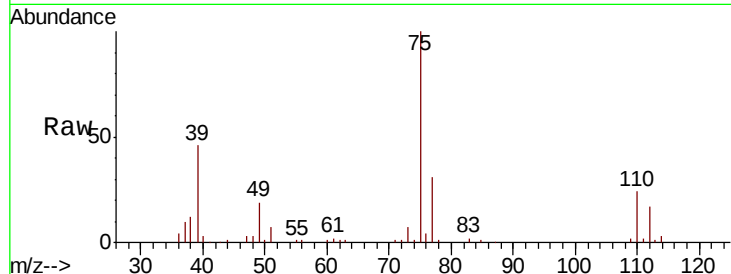
#53
t-1,3-Dichloropropene
Concen: 20.212 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion: 75 Resp: 26010
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

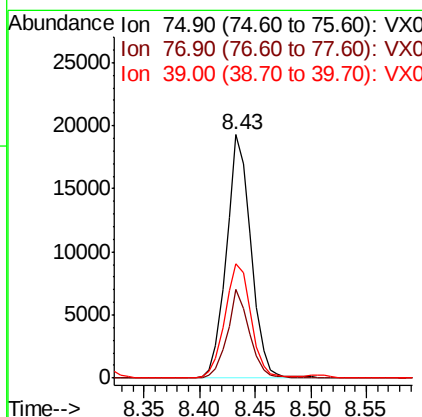
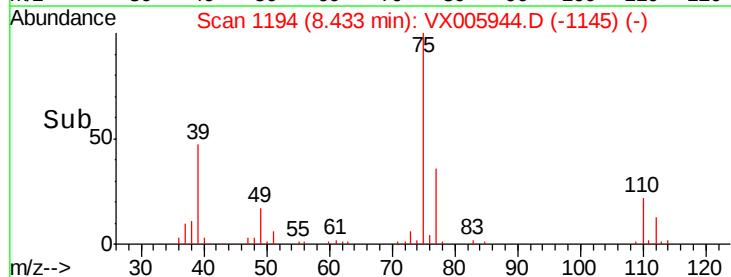
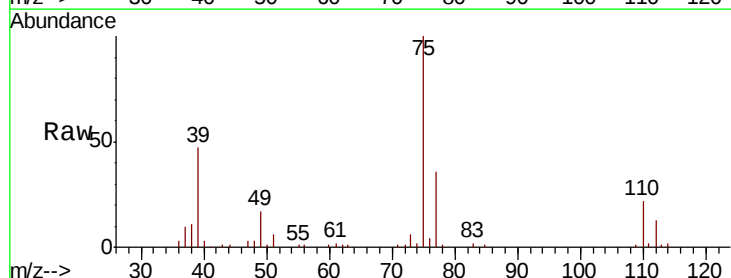
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#54
cis-1,3-Dichloropropene
Concen: 22.431 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion: 75 Resp: 29421
Ion Ratio Lower Upper
75 100
77 36.4 25.2 37.8
39 47.1 38.2 57.2





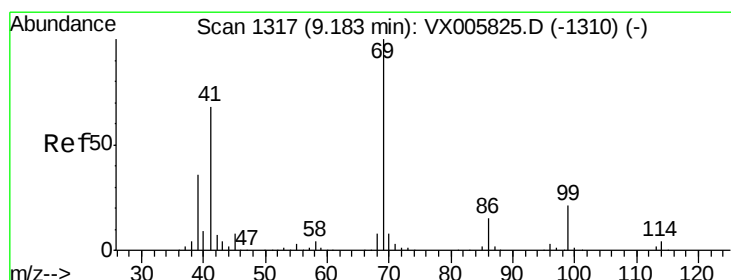
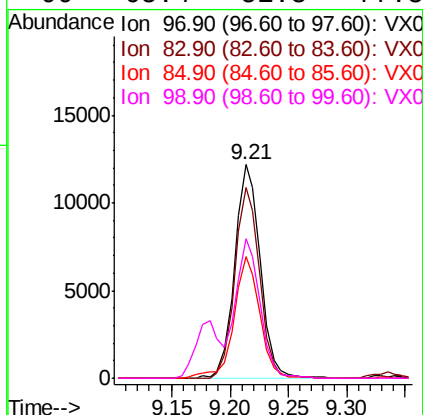
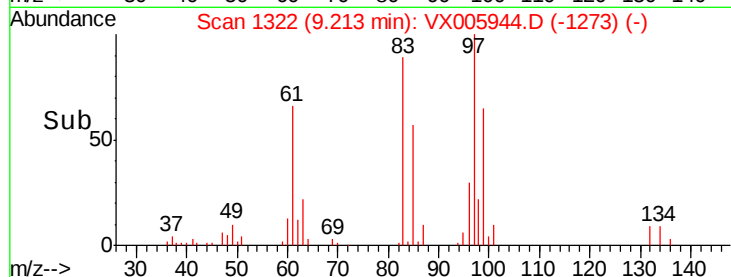
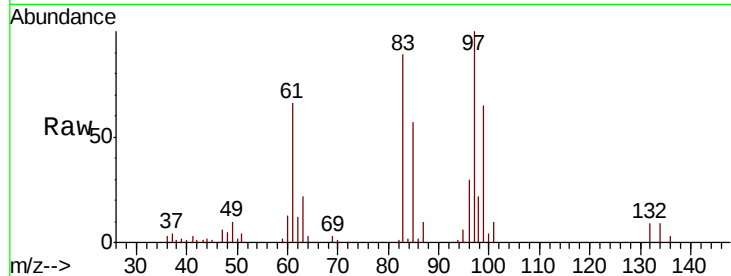
#55
1,1,2-Trichloroethane
Concen: 19.755 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion:	97	Resp:	18642
Ion Ratio	Lower	Upper	
97	100		
83	89.1	70.7	106.1
85	56.8	45.8	68.6
99	65.4	51.8	77.8

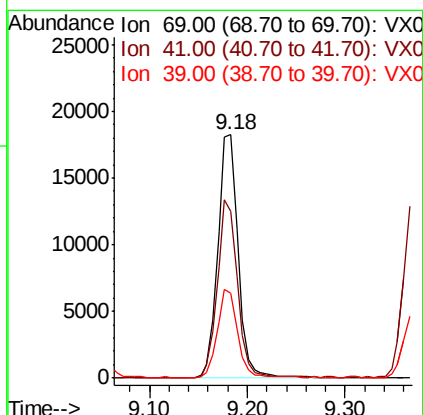
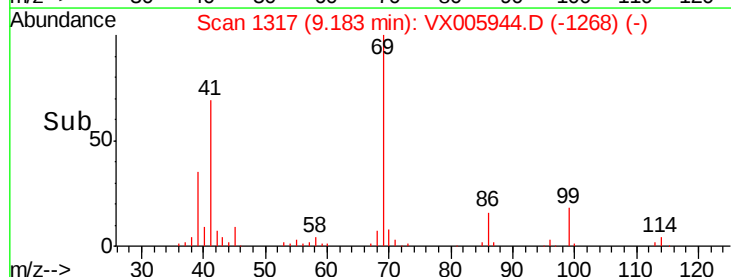
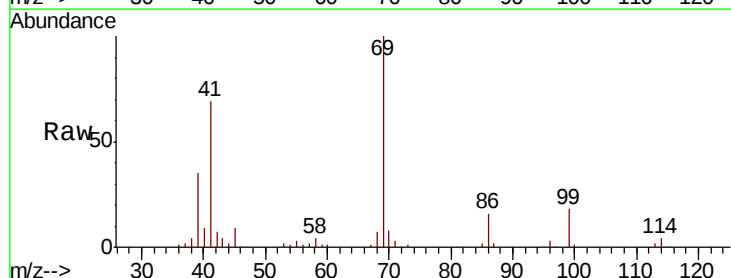
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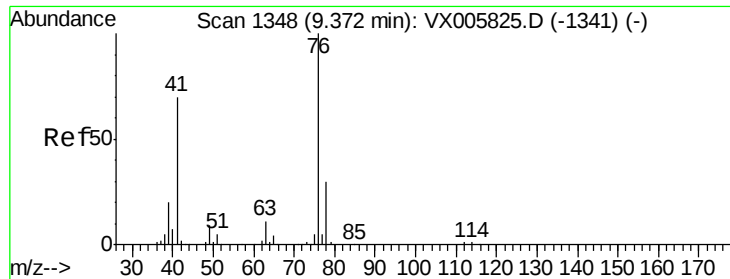
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#56
Ethyl methacrylate
Concen: 18.672 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion:	69	Resp:	26364
Ion Ratio	Lower	Upper	
69	100		
41	73.7	57.0	85.6
39	37.8	28.3	42.5





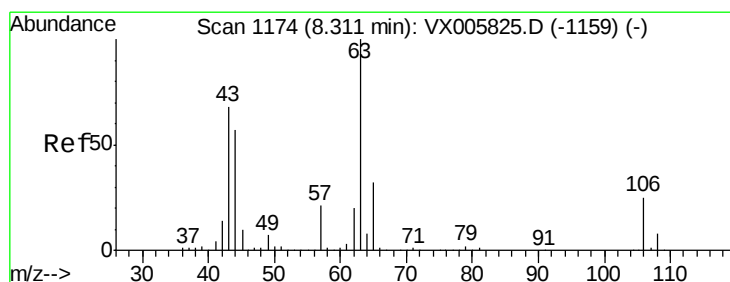
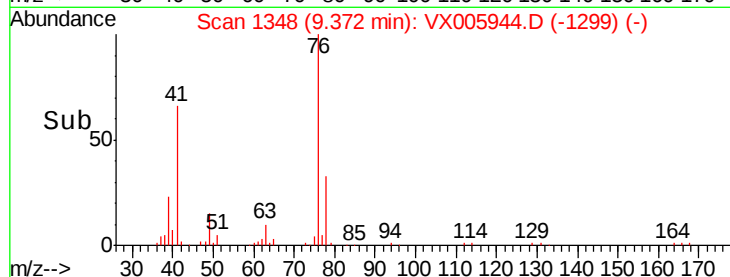
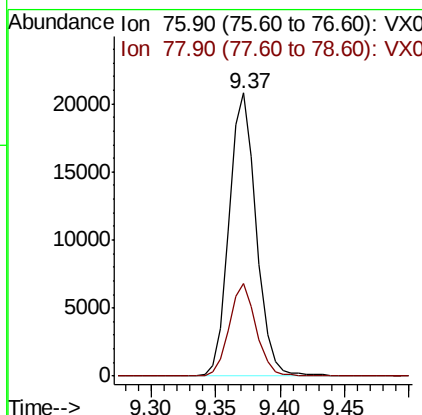
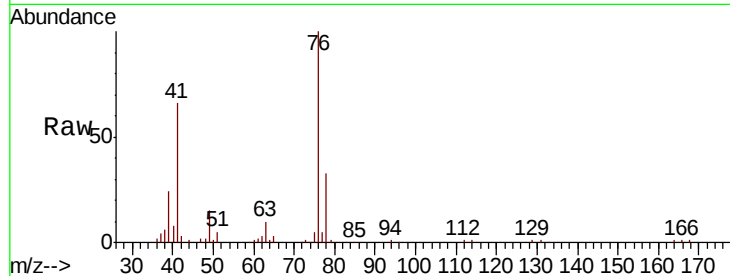
#57
 1,3-Dichloropropane
 Concen: 19.416 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Tot Ion: 76 Resp: 30789
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9

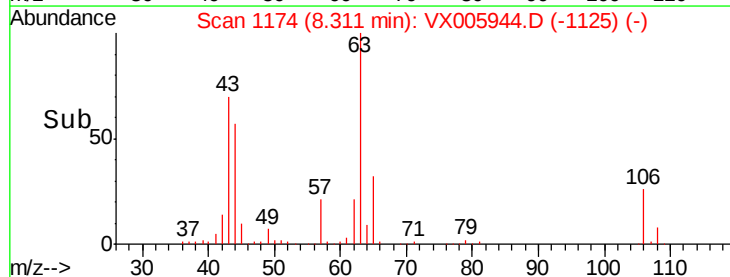
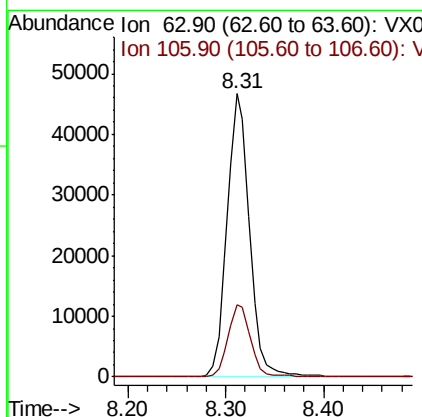
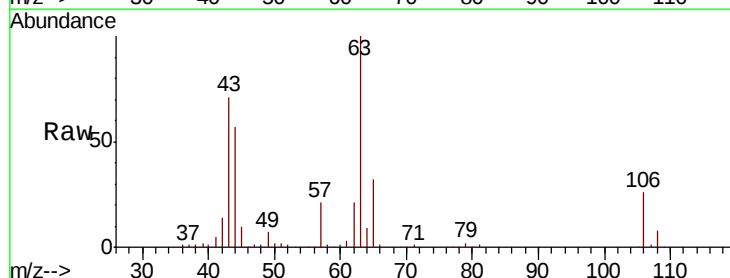
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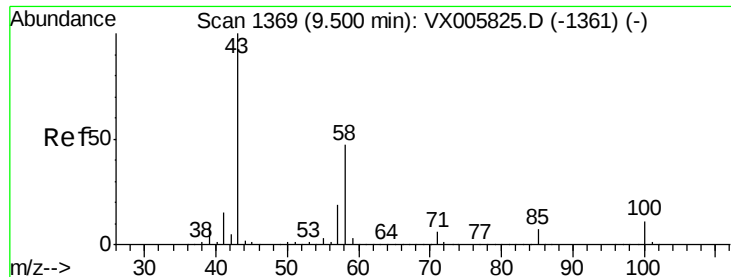
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.746 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Tgt Ion: 63 Resp: 74373
 Ion Ratio Lower Upper
 63 100
 106 25.8 21.3 31.9





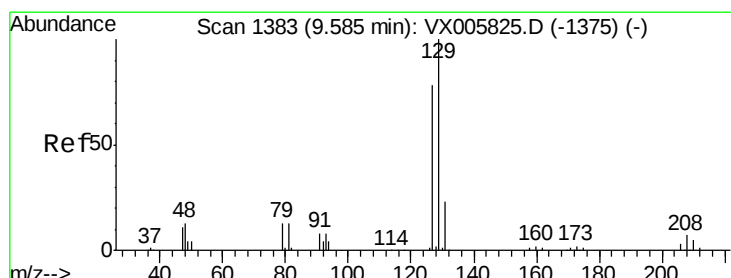
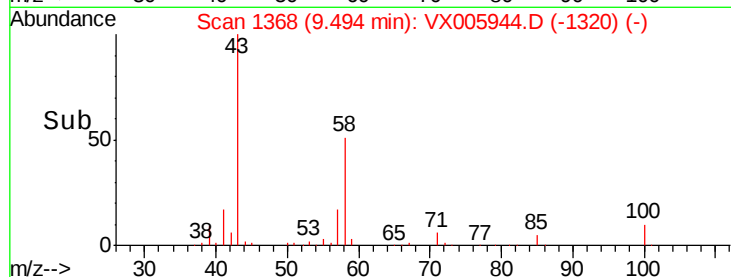
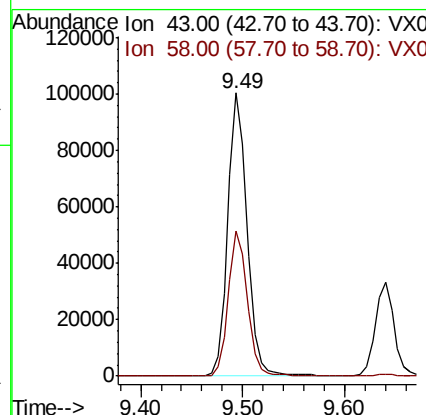
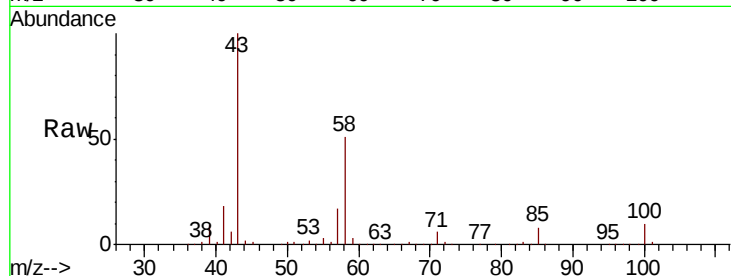
#59
2-Hexanone
Concen: 96.564 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion: 43 Resp: 132836
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.8

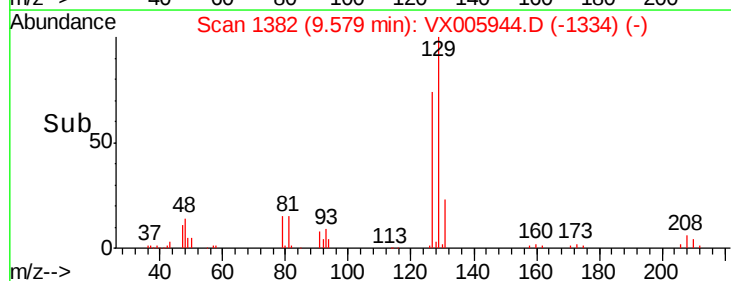
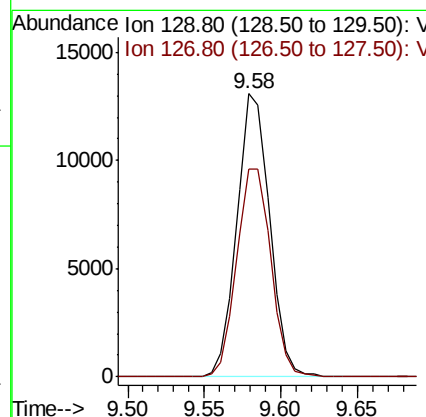
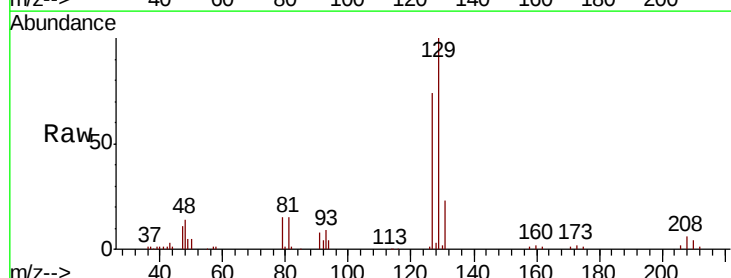
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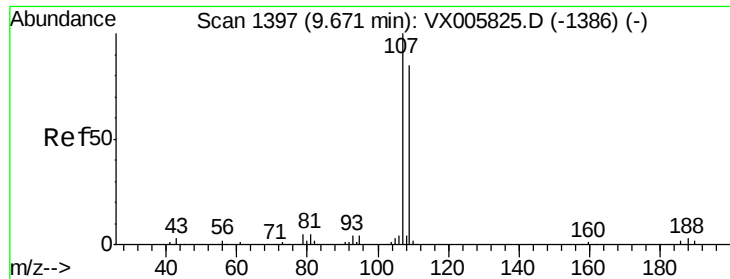
MMDadoda
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#60
Dibromochloromethane
Concen: 19.090 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion: 129 Resp: 19469
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





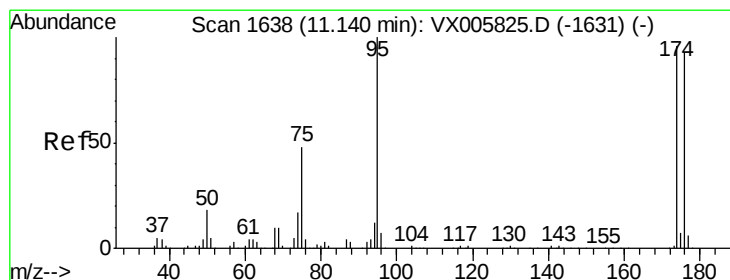
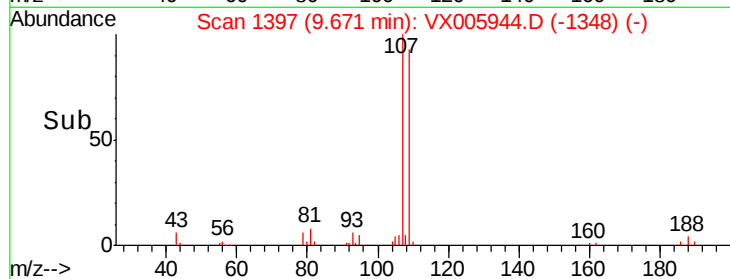
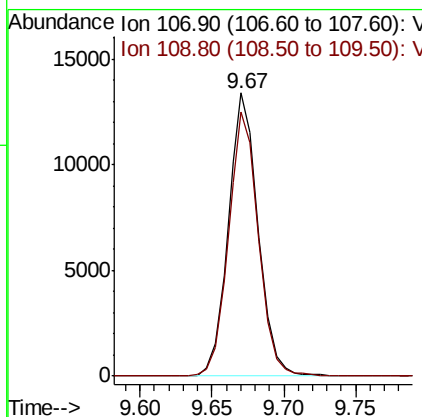
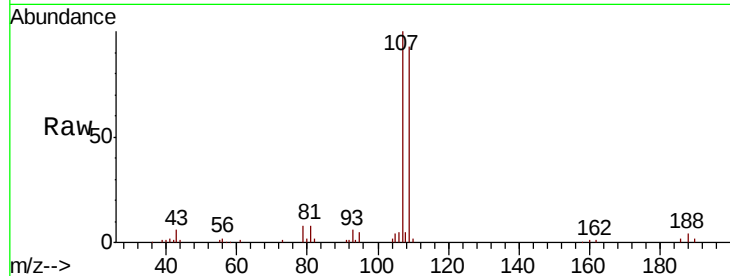
#61
 1,2-Dibromoethane
 Concen: 18.492 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Tot Ion: 107 Resp: 19296
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.7 113.5

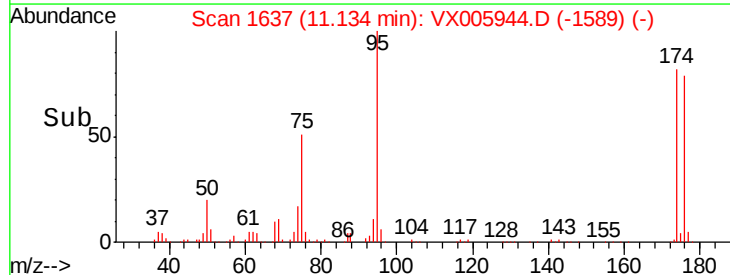
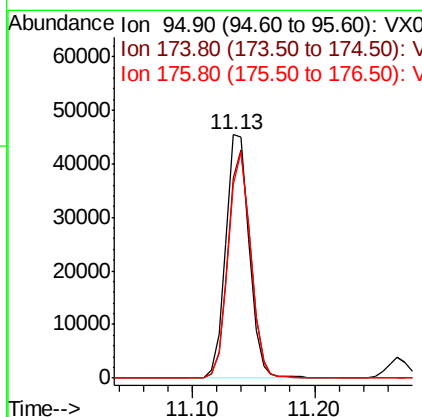
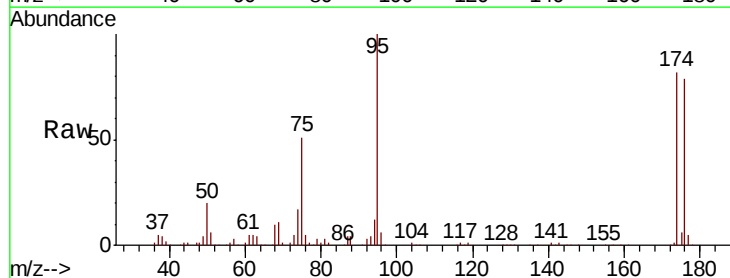
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#62
 4-Bromofluorobenzene
 Concen: 54.842 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Tgt Ion: 95 Resp: 60104
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 184.4
 176 88.7 0.0 177.4





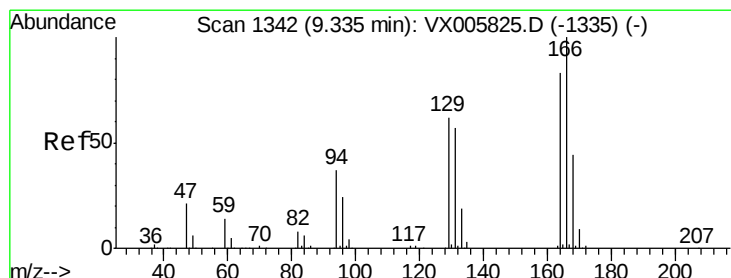
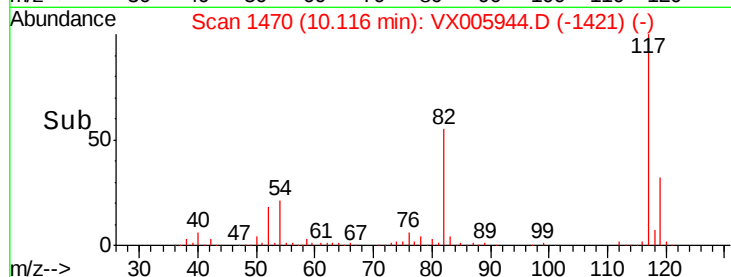
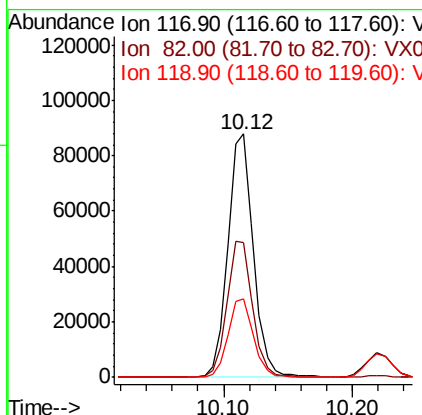
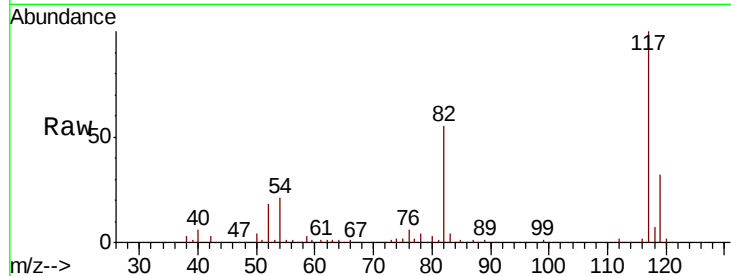
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.1	66.1
119	32.4	26.2	39.2

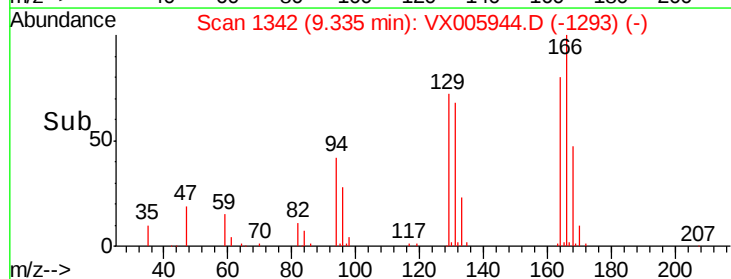
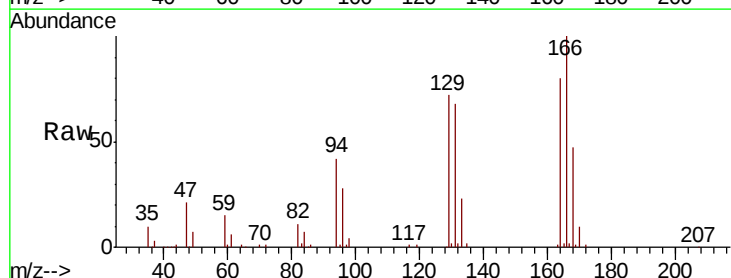
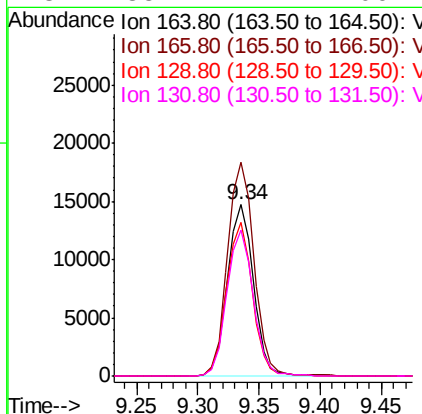
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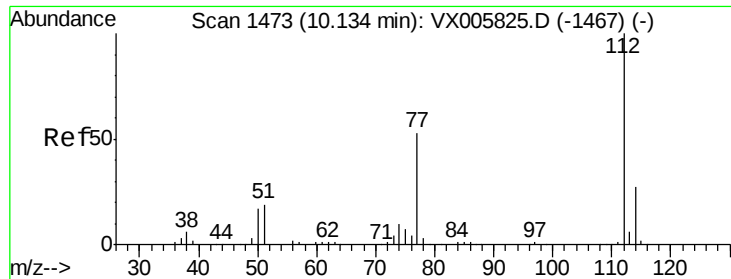
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#64
Tetrachloroethene
Concen: 20.793 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	101.9	152.9
129	89.6	72.6	109.0
131	85.1	71.1	106.7





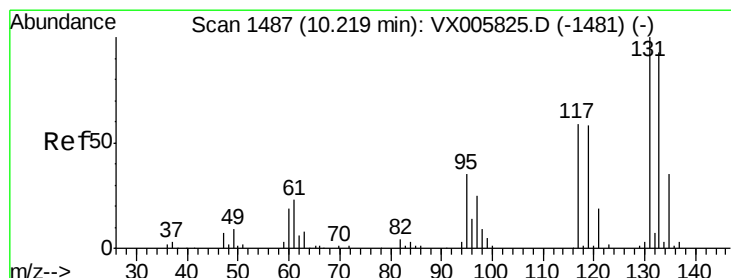
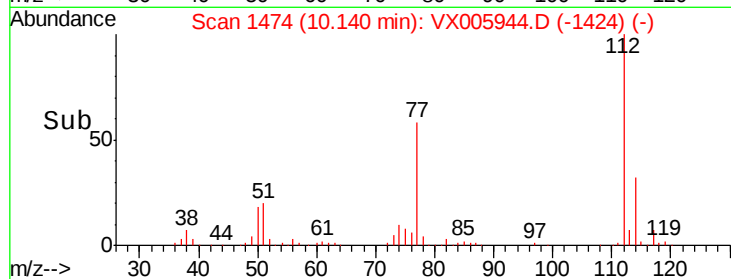
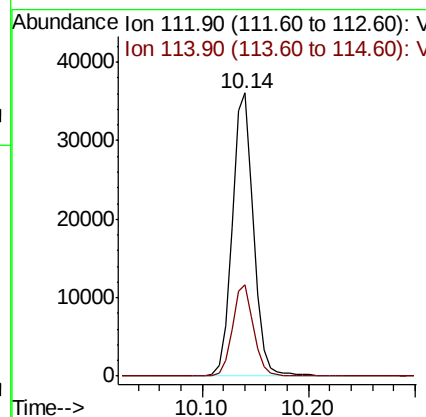
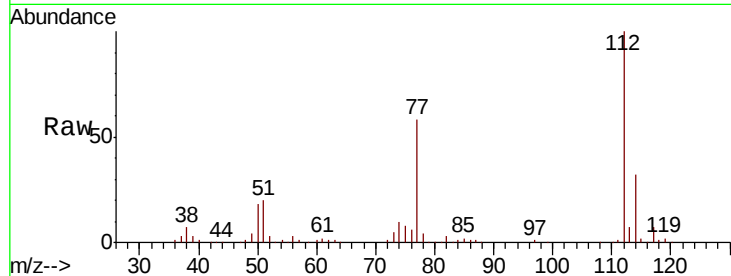
#65
Chlorobenzene
Concen: 20.571 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion:112 Resp: 50335
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6

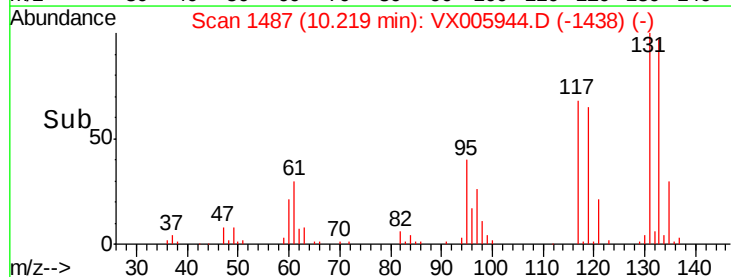
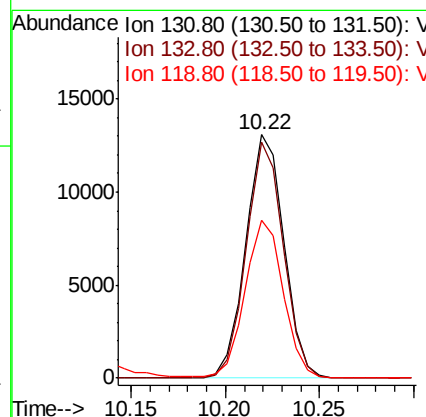
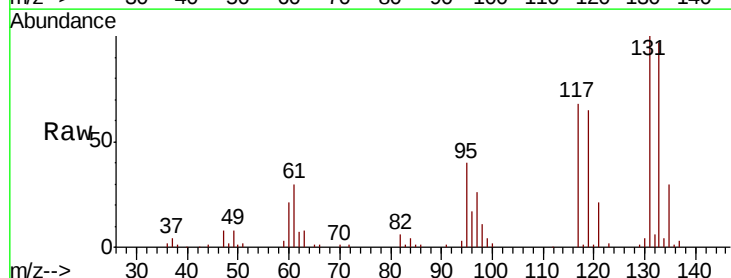
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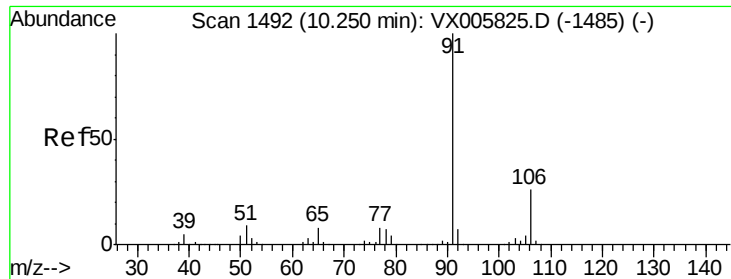
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.550 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion:131 Resp: 18332
Ion Ratio Lower Upper
131 100
133 94.6 47.5 142.5
119 65.1 31.8 95.3





#67

Ethyl Benzene

Concen: 21.466 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 91 Resp: 84225

Ion Ratio Lower Upper

91 100

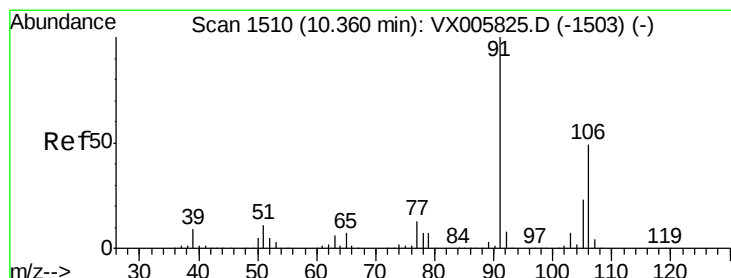
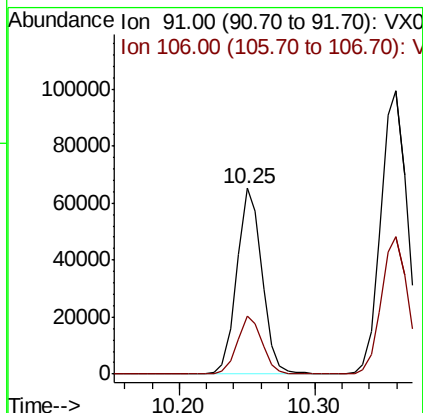
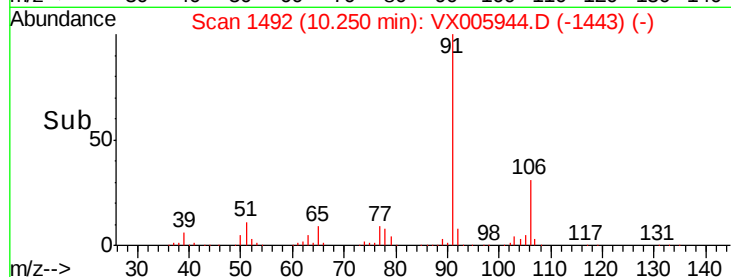
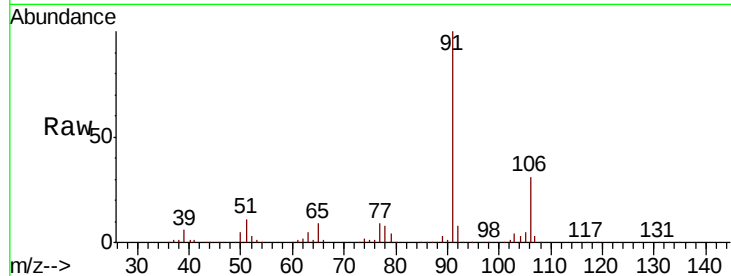
106 30.9 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 44.021 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005944.D

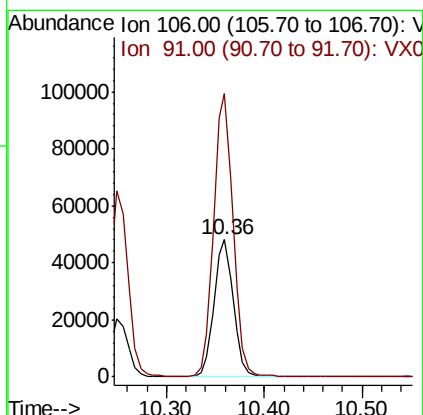
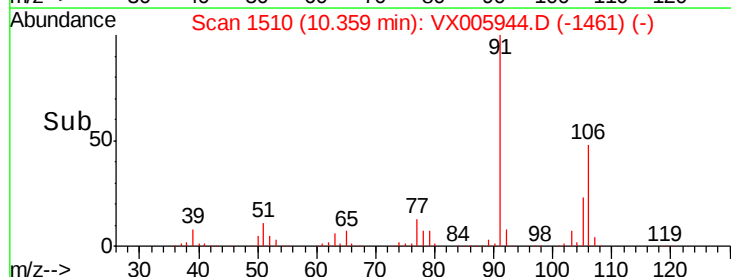
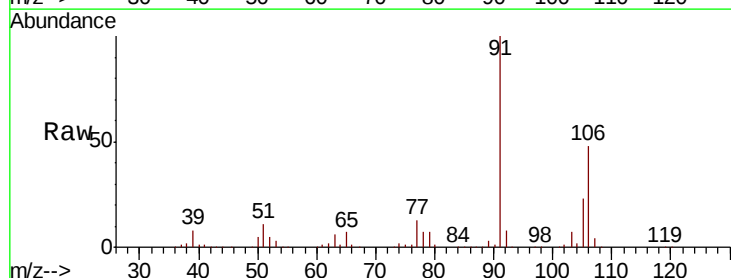
Acq: 13 Nov 2018 13:14

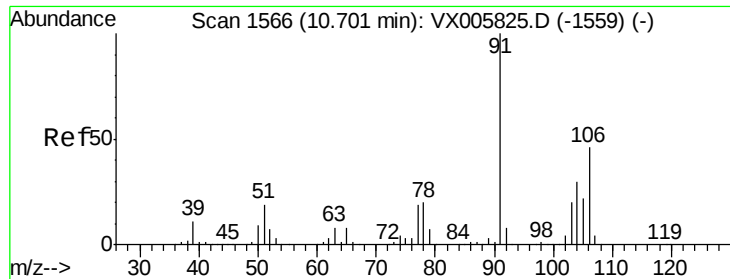
Tgt Ion: 106 Resp: 65881

Ion Ratio Lower Upper

106 100

91 208.5 164.2 246.4





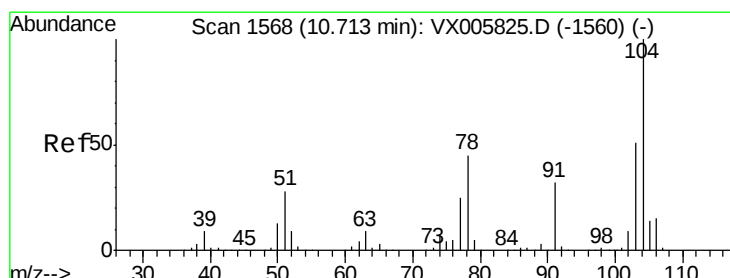
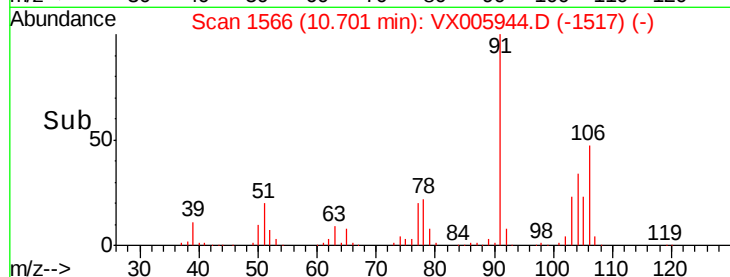
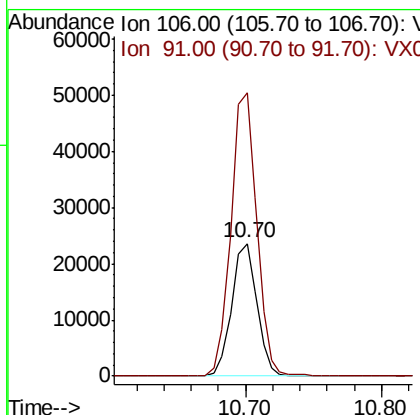
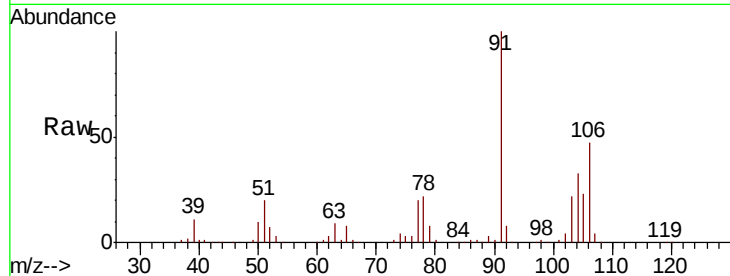
#69
o-Xylene
Concen: 22.861 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion:106 Resp: 30679
Ion Ratio Lower Upper
106 100
91 217.0 108.5 325.5

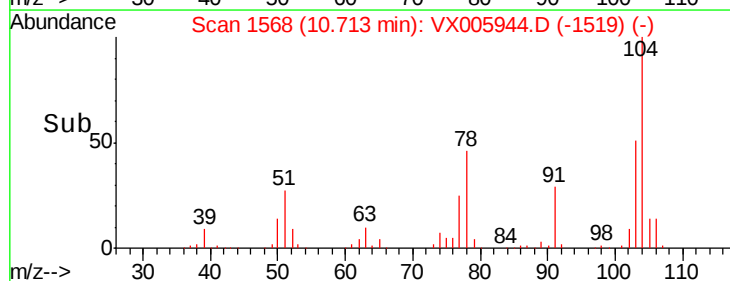
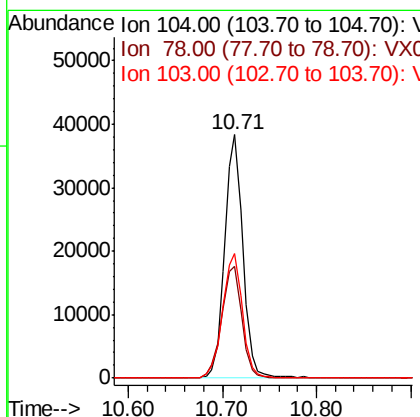
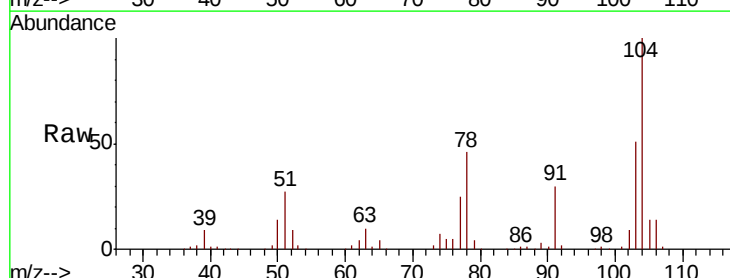
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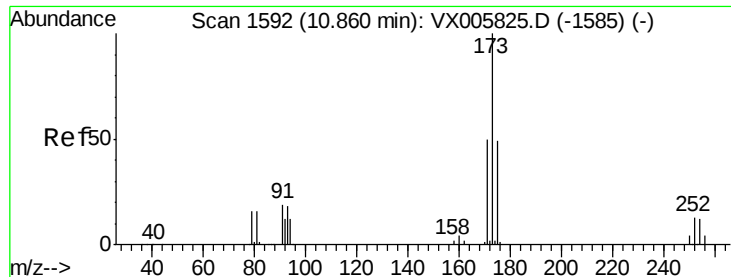
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#70
Styrene
Concen: 23.268 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion:104 Resp: 51511
Ion Ratio Lower Upper
104 100
78 51.2 40.2 60.4
103 55.7 44.9 67.3





#71

Bromoform

Concen: 21.991 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion:173 Resp: 15682

Ion Ratio Lower Upper

173 100

175 48.8 24.8 74.3

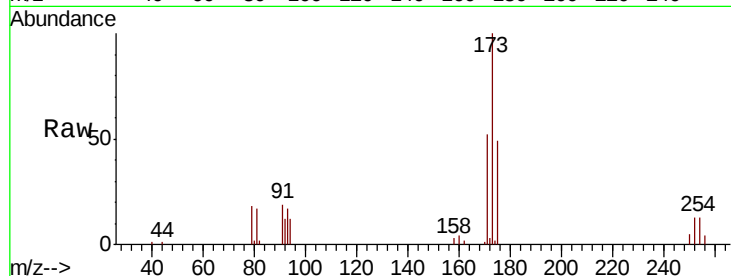
254 0.0 0.2 0.2#

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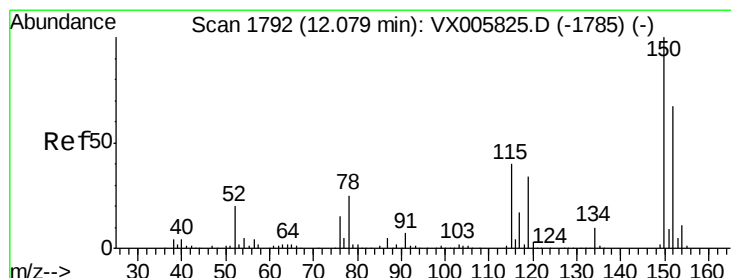
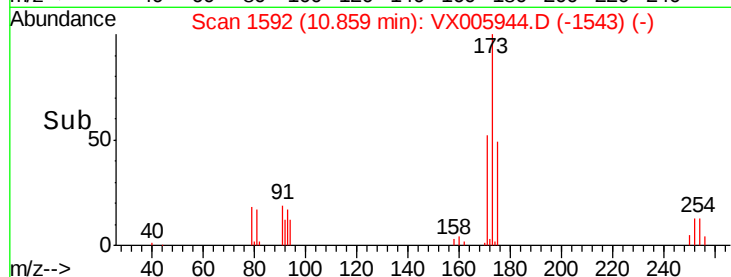
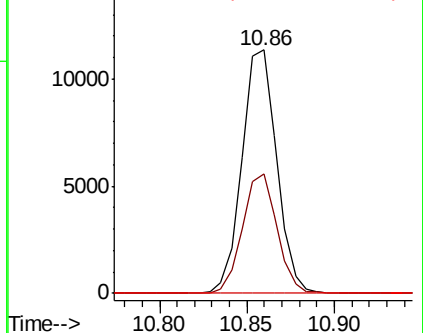
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

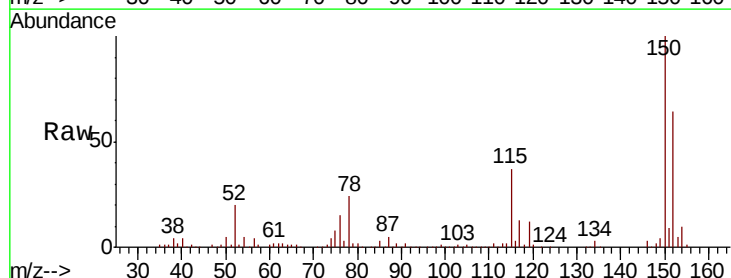
Tgt Ion:152 Resp: 70124

Ion Ratio Lower Upper

152 100

115 65.7 39.4 118.1

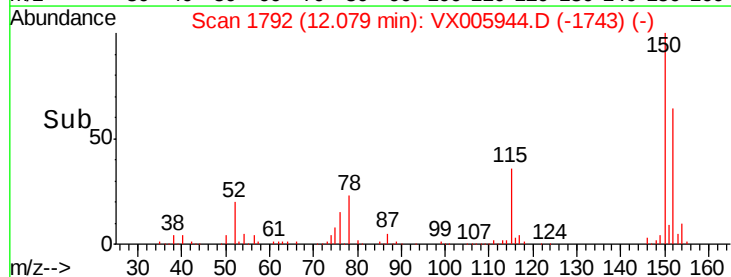
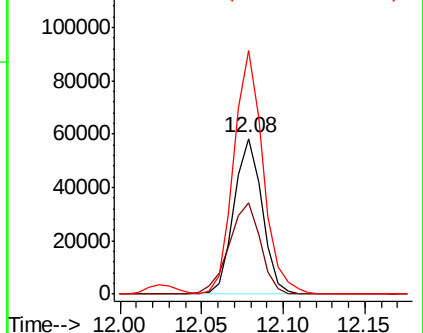
150 162.1 0.0 346.4

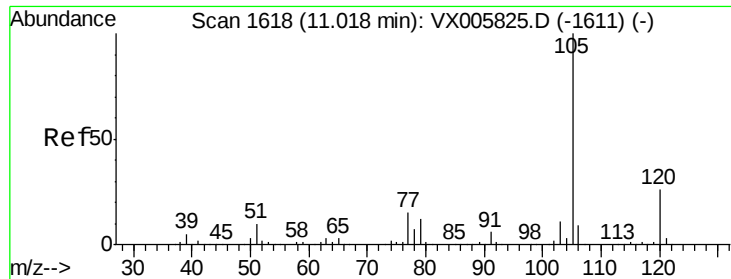


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.221 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 105 Resp: 86057

Ion Ratio Lower Upper

105 100

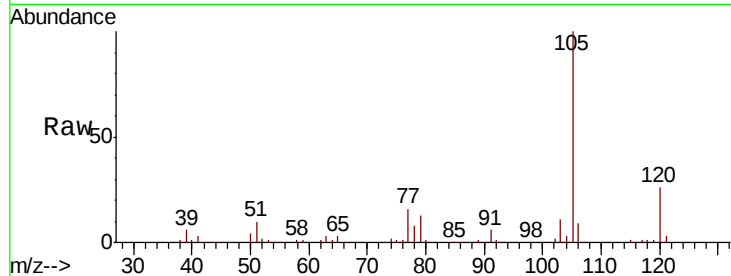
120 26.5 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

80000

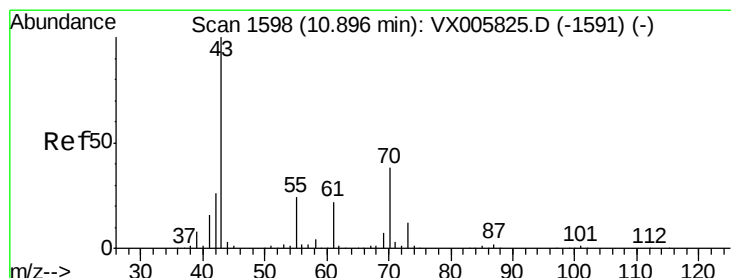
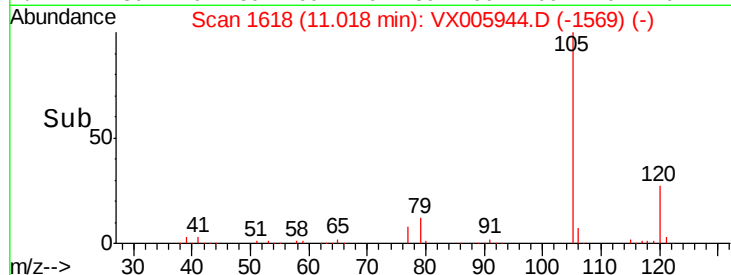
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 18.396 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Tgt Ion: 43 Resp: 40012

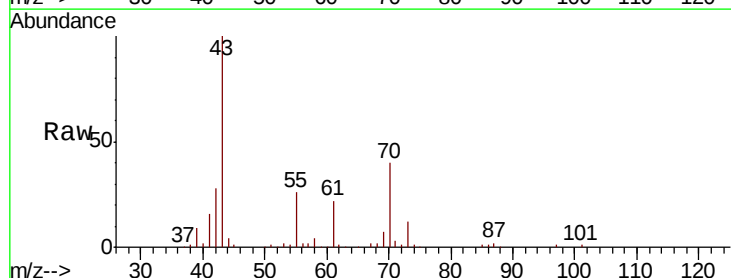
Ion Ratio Lower Upper

43 100

70 39.2 31.6 47.4

55 25.9 19.7 29.5

61 22.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

50000

40000

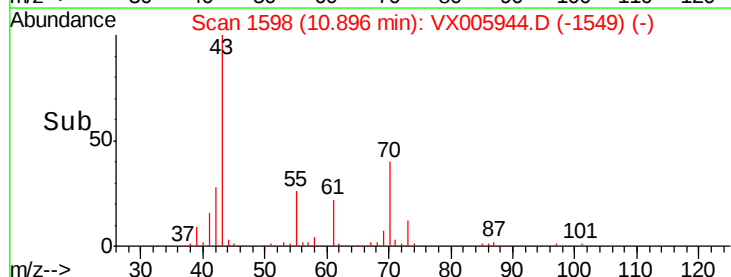
30000

20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.047 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

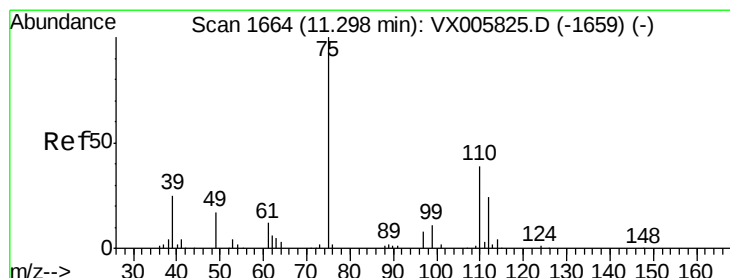
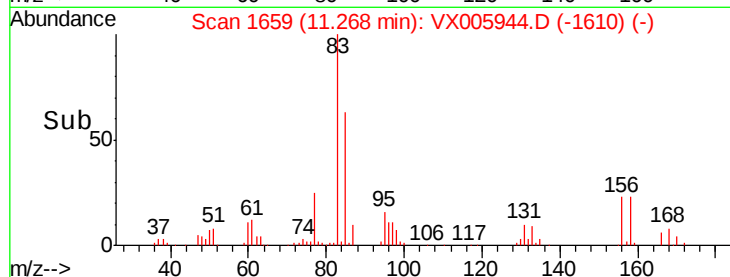
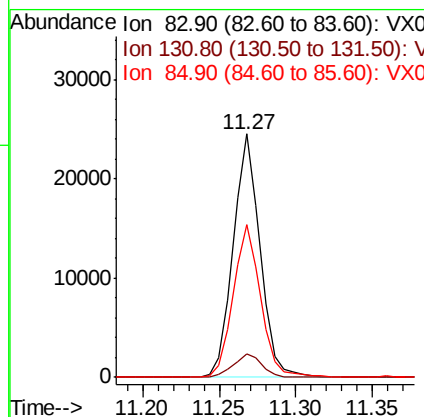
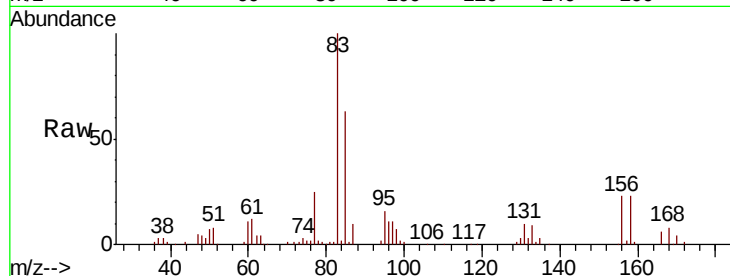
ClientSampleId :

VX1113WBS01

Tot Ion:	83	Resp:	29839
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.9
85	64.1	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 20.427 ug/l m

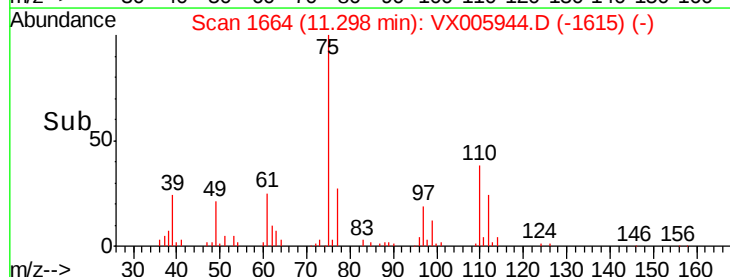
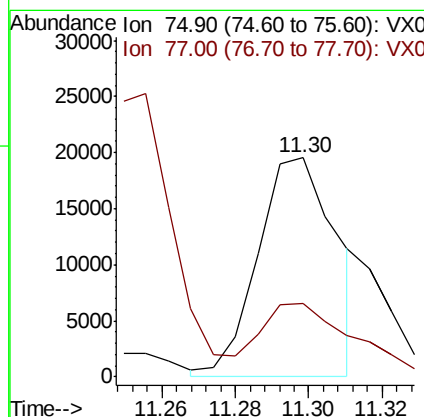
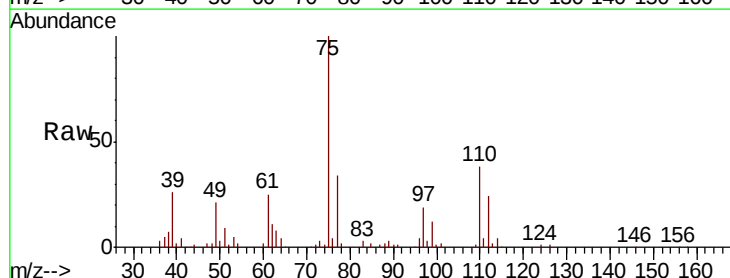
RT: 11.30 min Scan# 1664

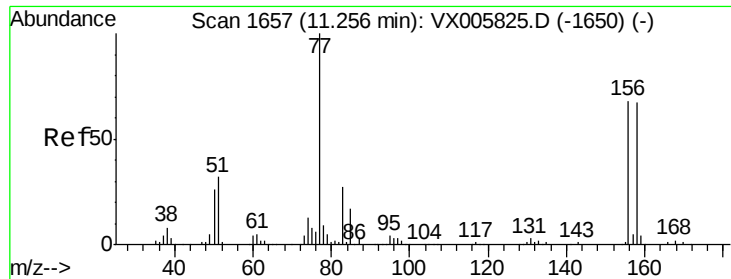
Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Tgt Ion:	75	Resp:	29167
Ion Ratio	Lower	Upper	
75	100		
77	39.5	20.5	61.6





#77

Bromobenzene

Concen: 20.220 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

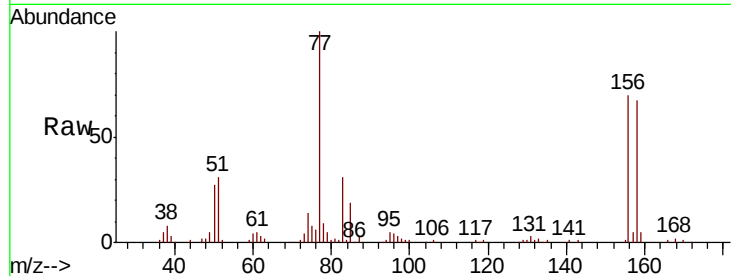
ClientSampleId :

VX1113WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	149.9	74.8	224.4	
158	98.0	49.1	147.3	

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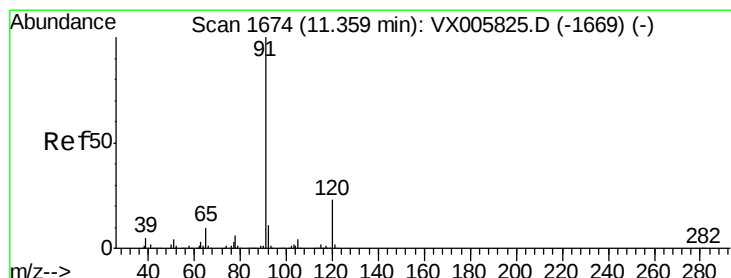
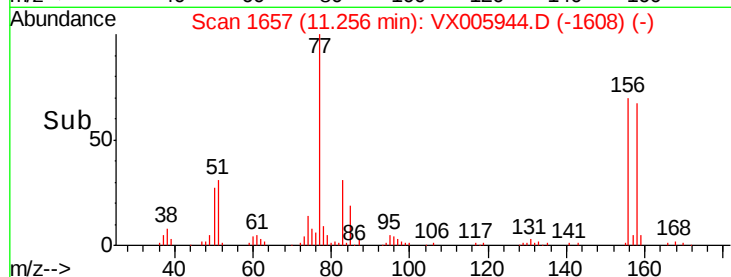
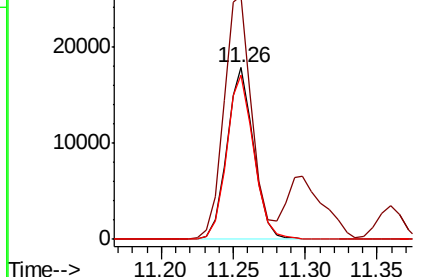
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.426 ug/l

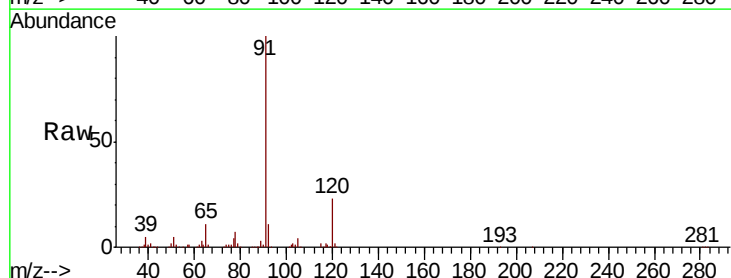
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005944.D

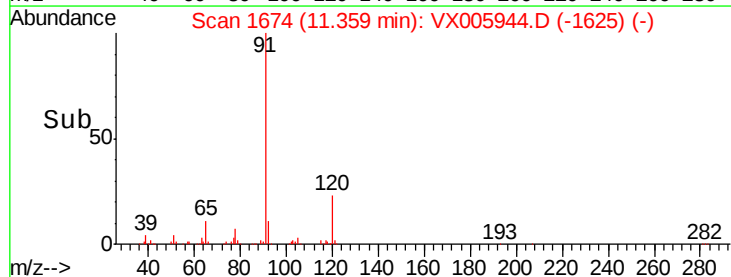
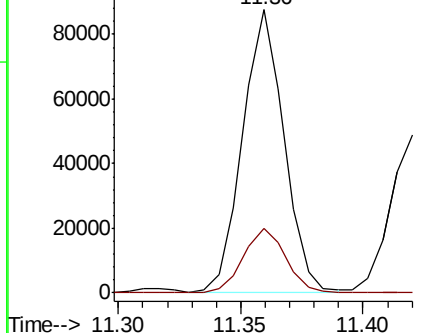
Acq: 13 Nov 2018 13:14

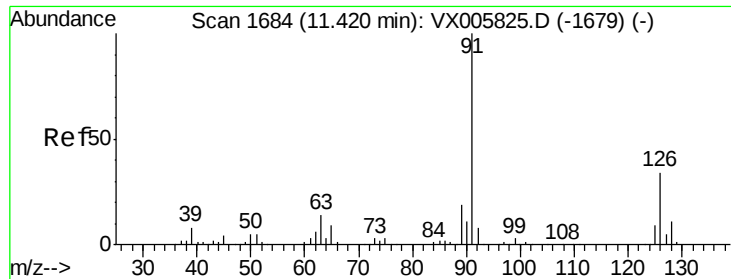
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.4	11.9	35.5	



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.022 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion: 91 Resp: 60726

Ion Ratio Lower Upper

91 100

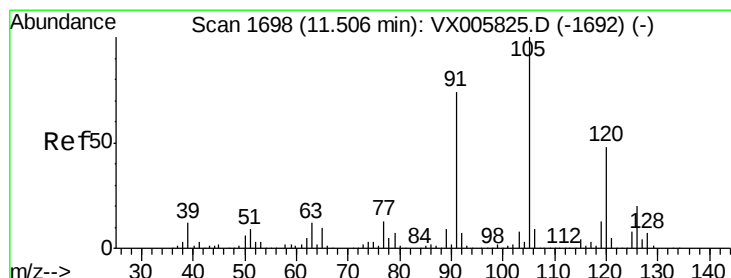
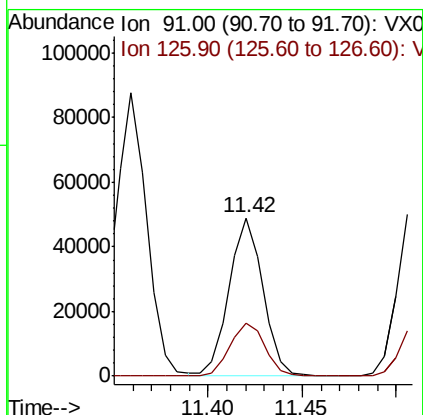
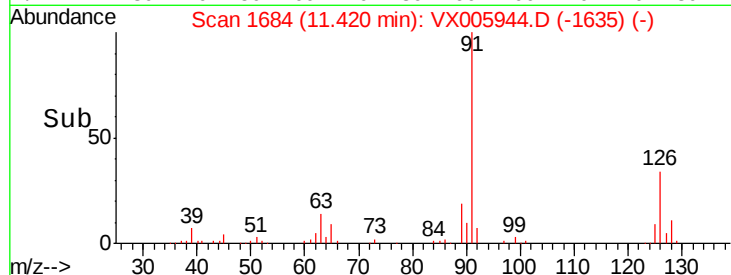
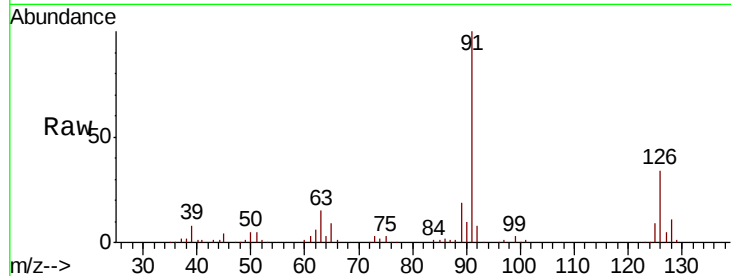
126 35.1 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 21.715 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005944.D

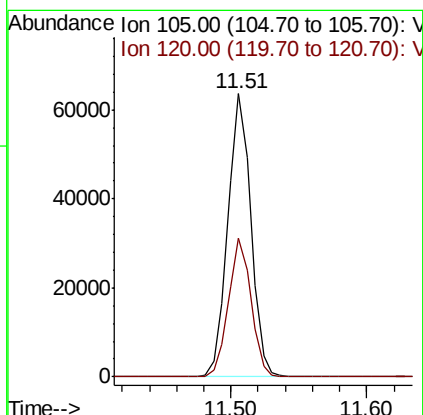
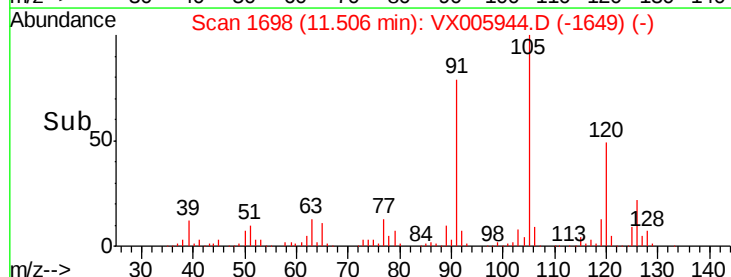
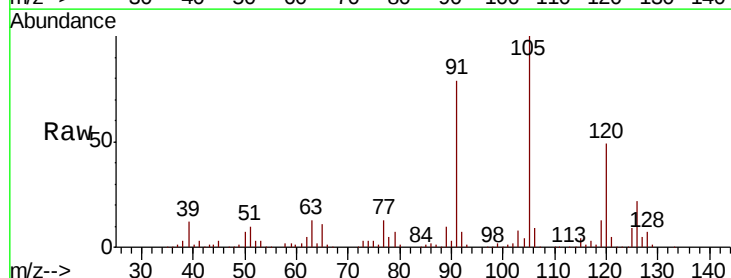
Acq: 13 Nov 2018 13:14

Tgt Ion: 105 Resp: 74833

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





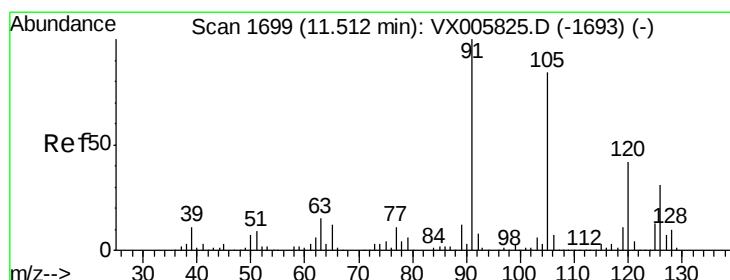
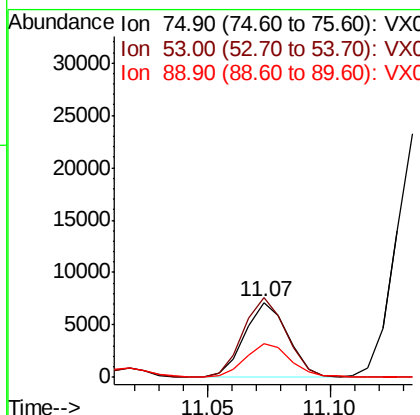
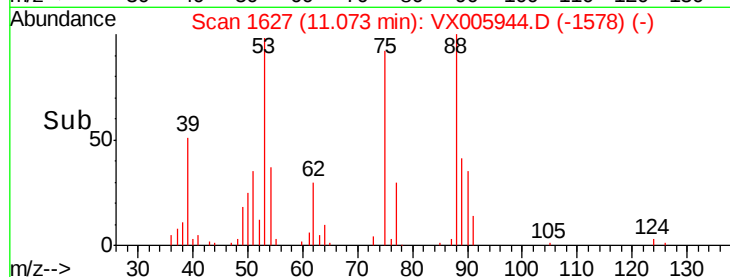
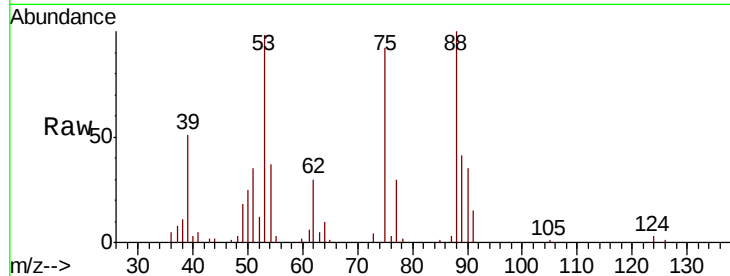
#81
trans-1,4-Dichloro-2-butene
Concen: 19.716 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion: 75 Resp: 8833
Ion Ratio Lower Upper
75 100
53 106.2 80.2 120.2
89 47.3 39.8 59.8

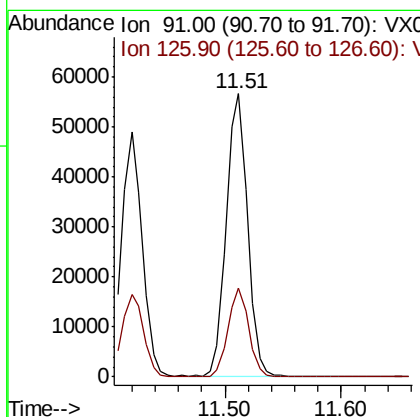
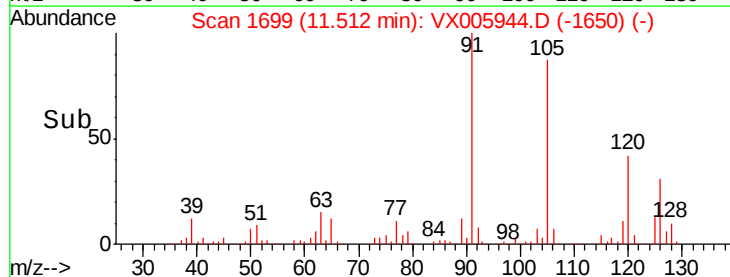
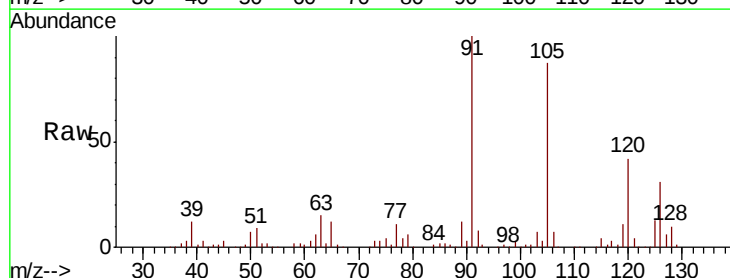
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#82
4-Chlorotoluene
Concen: 21.260 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion: 91 Resp: 72378
Ion Ratio Lower Upper
91 100
126 30.4 15.2 45.6





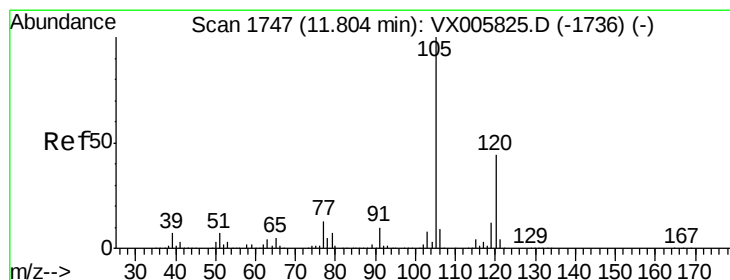
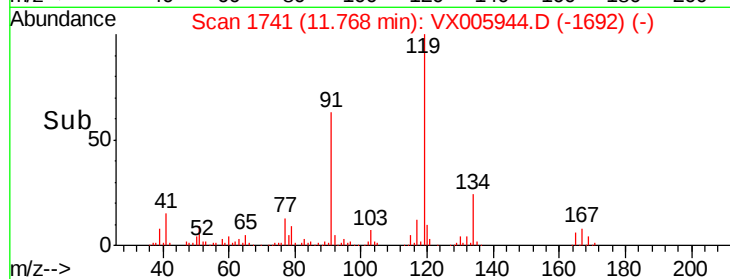
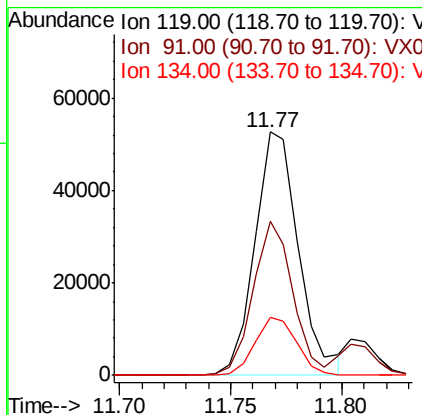
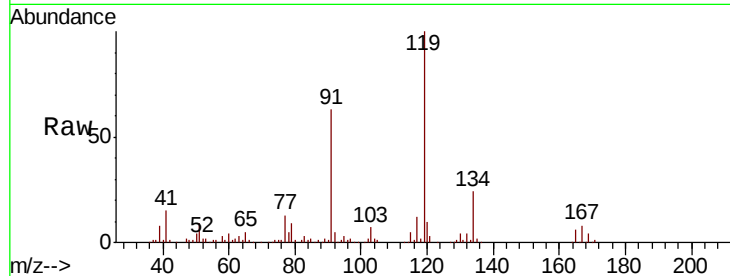
#83
 tert-Butylbenzene
 Concen: 20.621 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.6	28.5	85.5
134	22.8	11.3	33.8

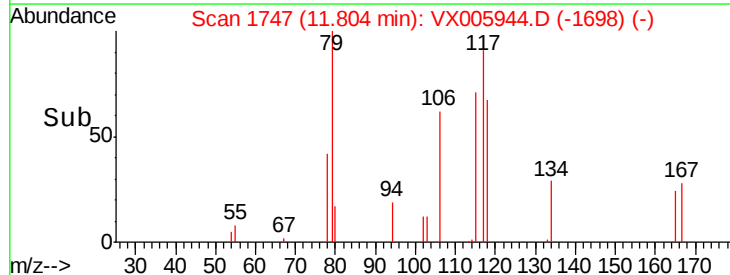
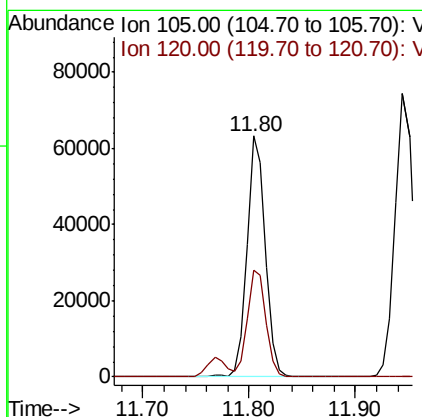
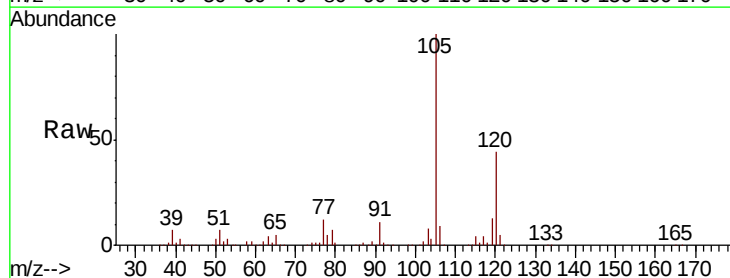
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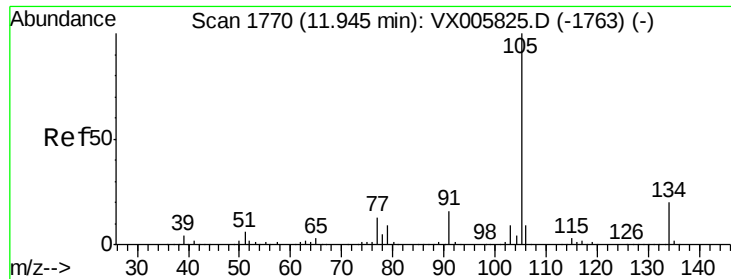
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.994 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0





#85

sec-Butylbenzene

Concen: 20.774 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBS01

Tot Ion:105 Resp: 88564

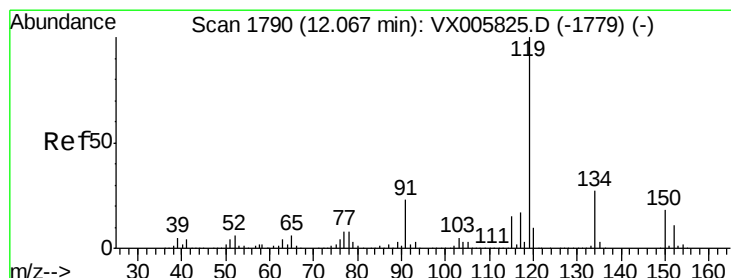
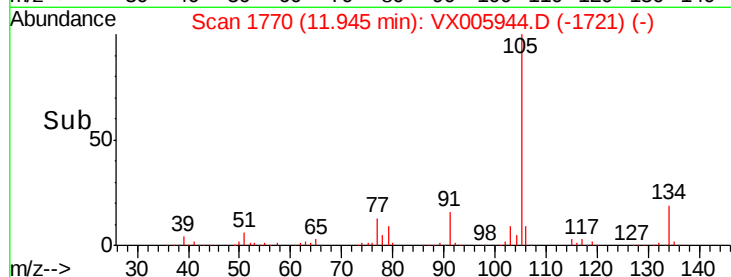
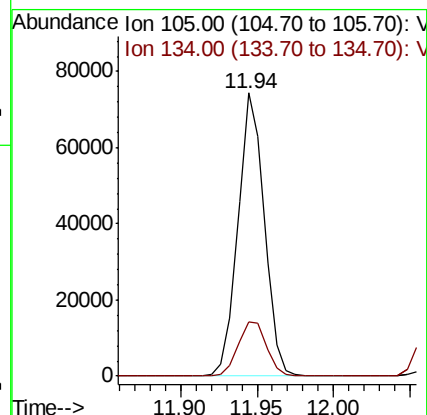
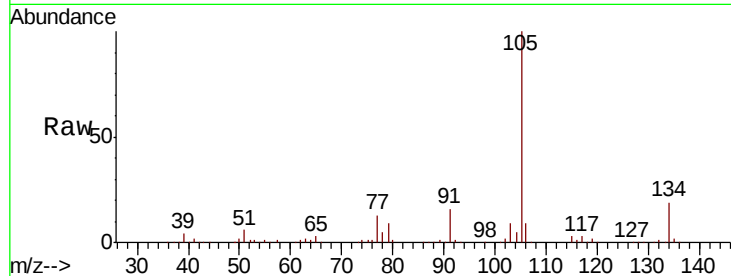
Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 21.254 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005944.D

Acq: 13 Nov 2018 13:14

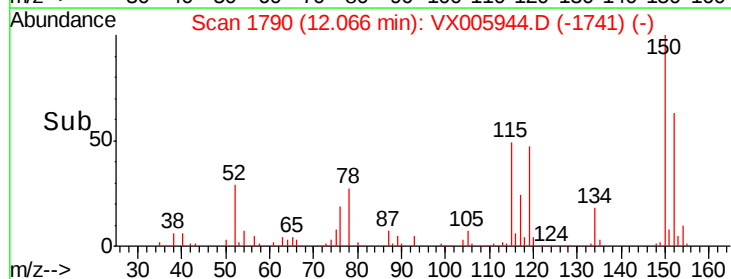
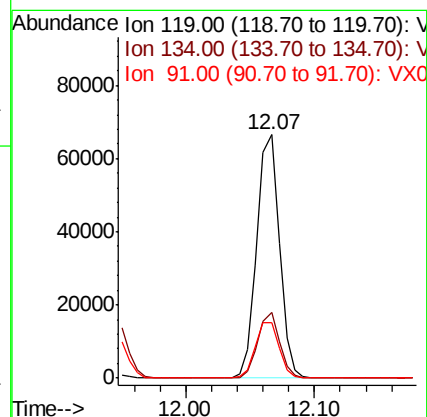
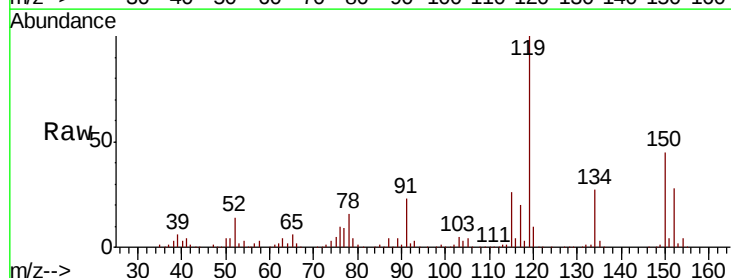
Tgt Ion:119 Resp: 80260

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.2 11.4 34.2





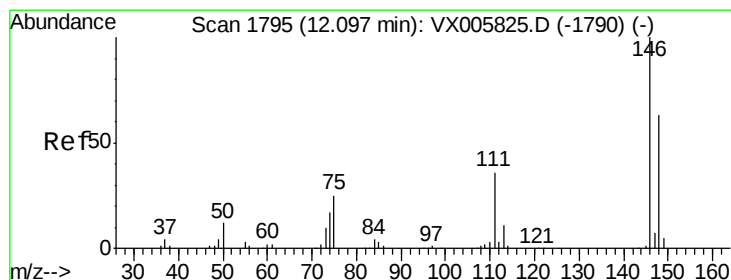
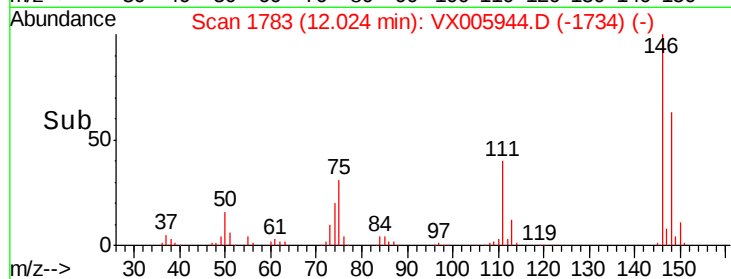
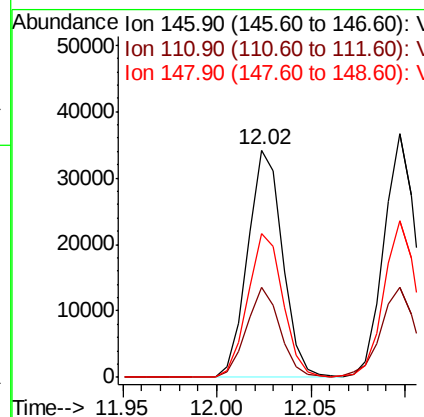
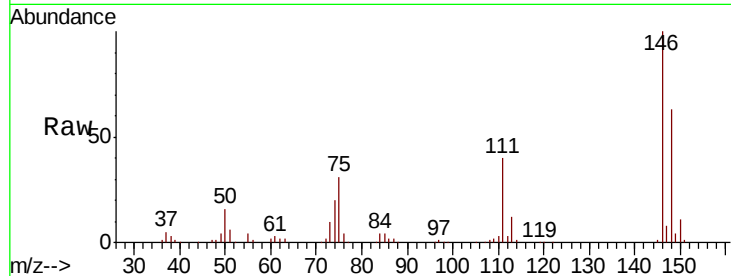
#87
 1,3-Dichlorobenzene
 Concen: 19.966 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	63.7	31.9	95.9

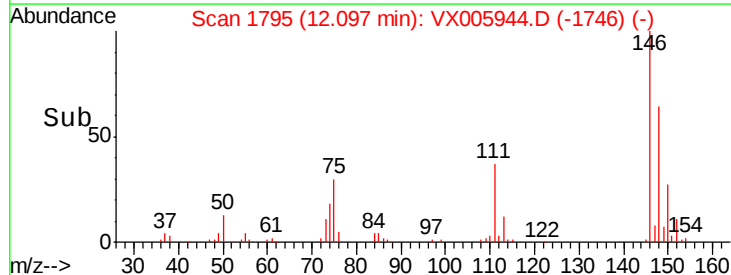
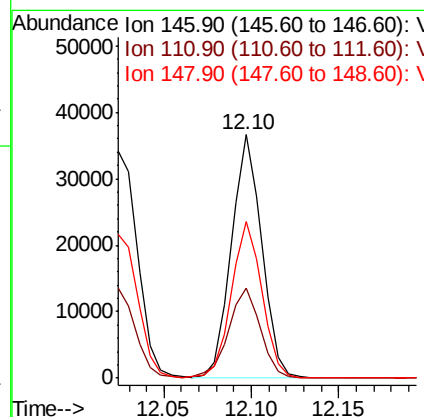
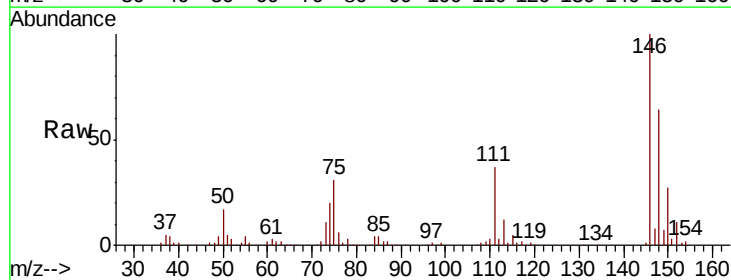
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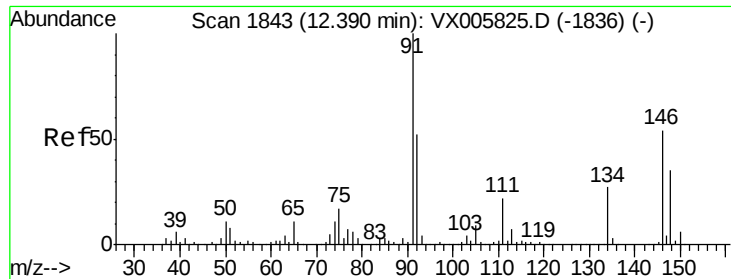
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#88
 1,4-Dichlorobenzene
 Concen: 19.666 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.8
148	64.9	32.1	96.3





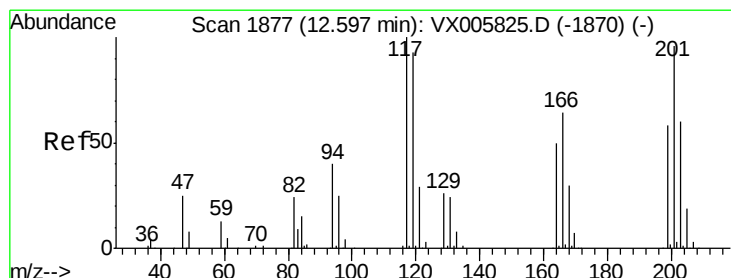
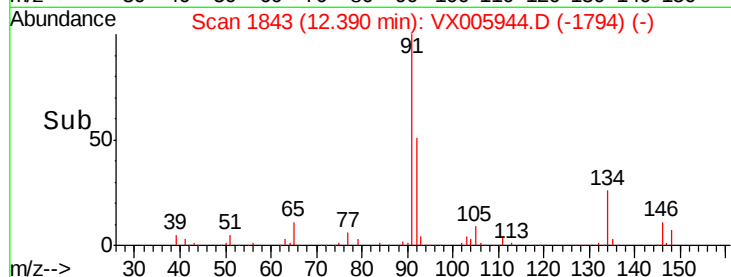
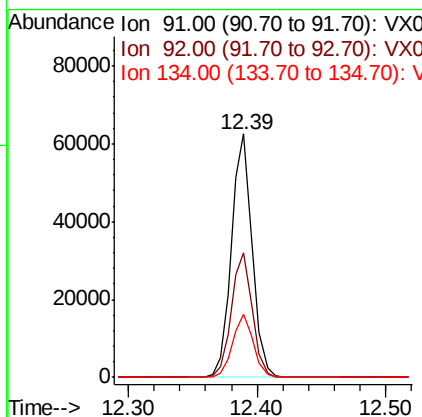
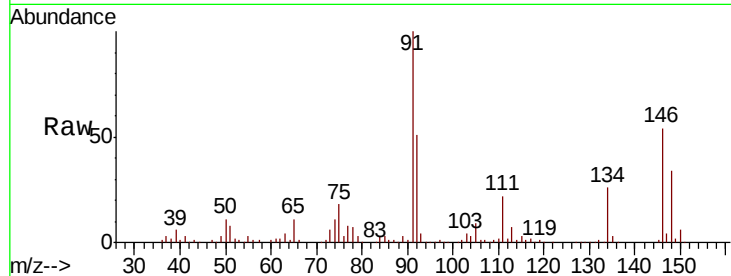
#89
n-Butylbenzene
Concen: 20.188 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	25.8	13.1	39.3

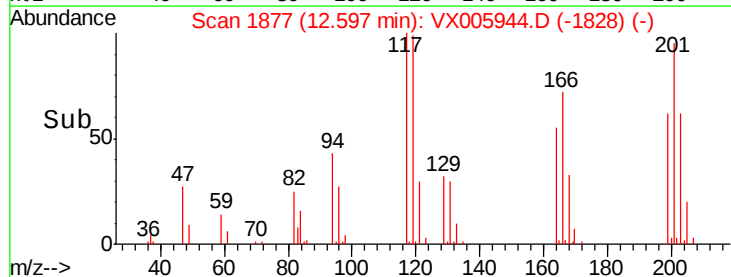
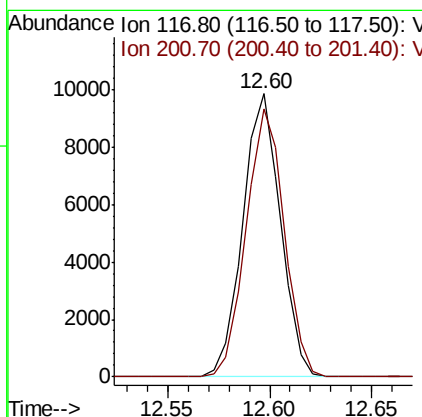
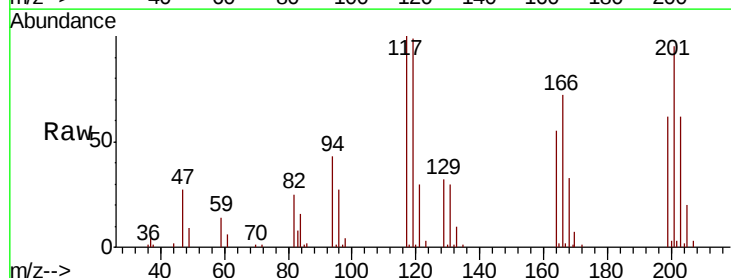
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#90
Hexachloroethane
Concen: 19.977 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	47.9	143.6





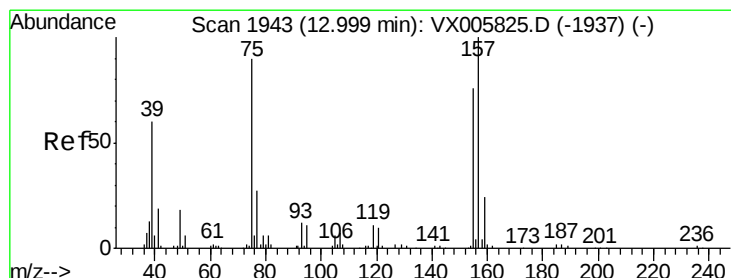
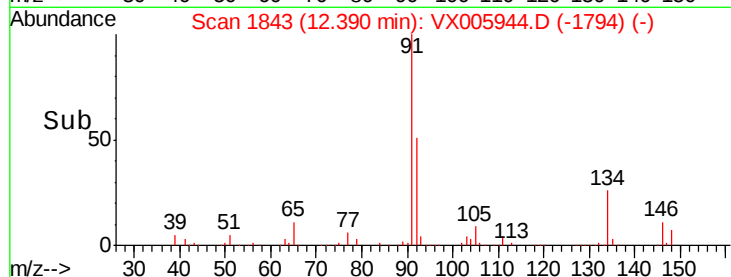
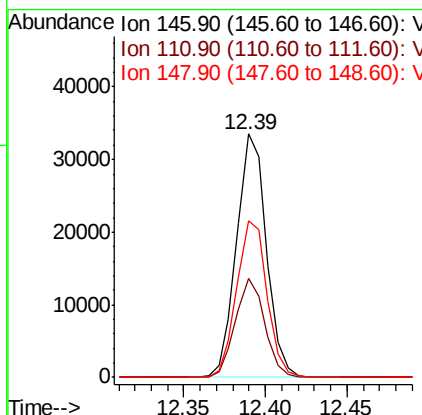
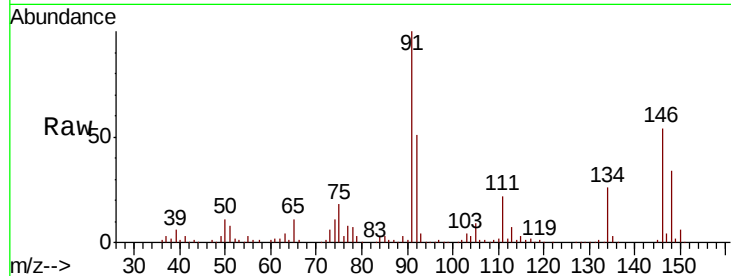
#91
 1,2-Dichlorobenzene
 Concen: 19.490 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	65.4	32.2	96.6

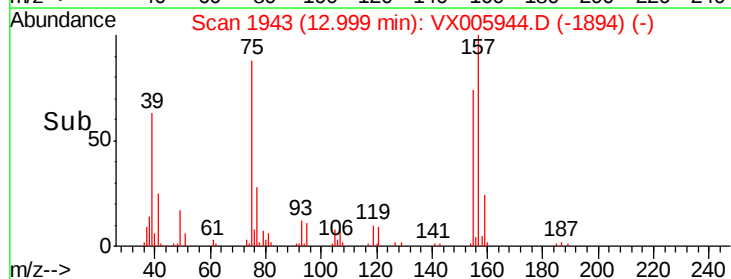
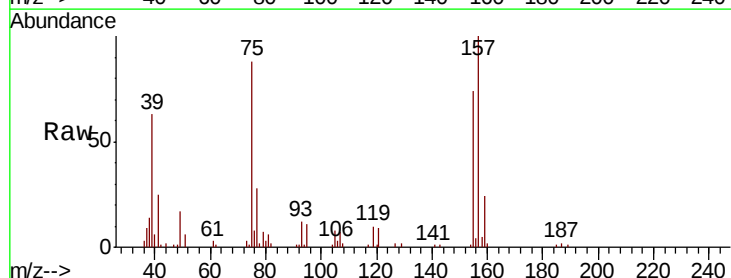
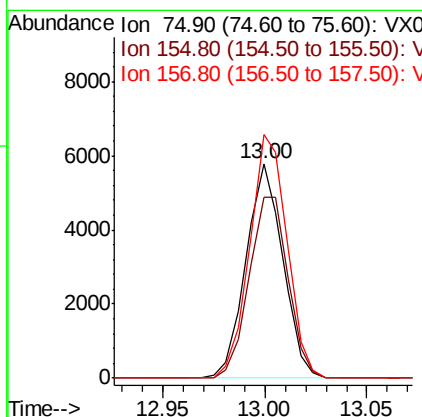
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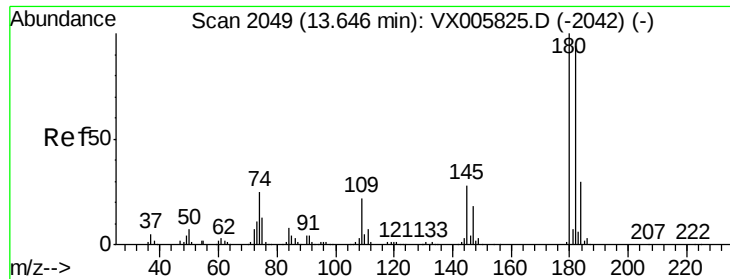
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.966 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	45.4	136.1
157	115.3	57.4	172.0





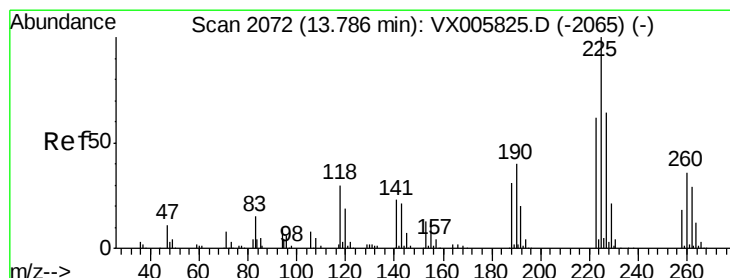
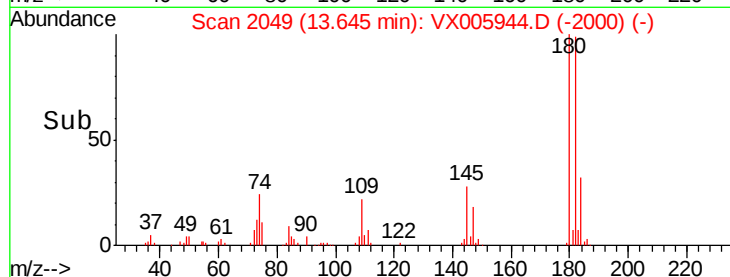
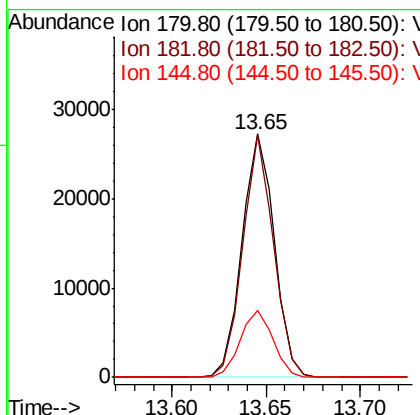
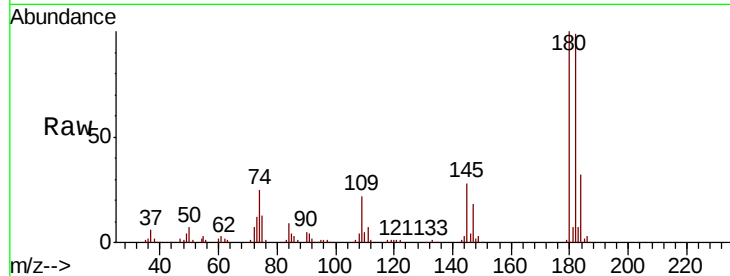
#93
 1,2,4-Trichlorobenzene
 Concen: 20.891 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	32318		
182	95.1	47.6	142.8	
145	28.0	14.1	42.2	

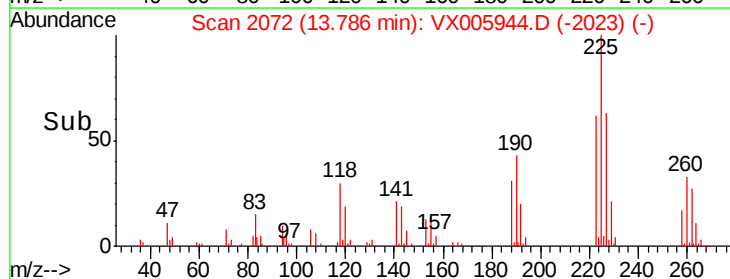
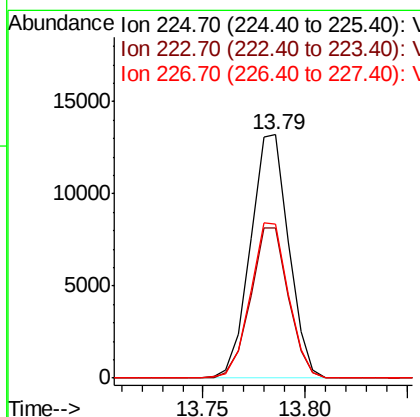
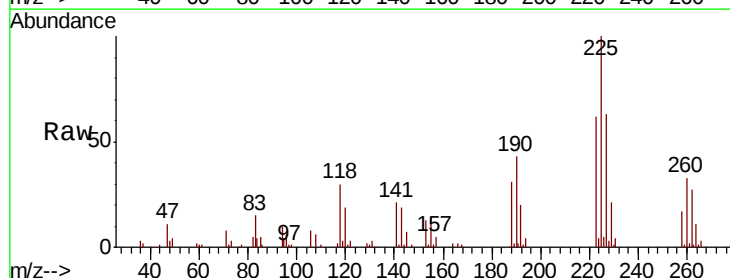
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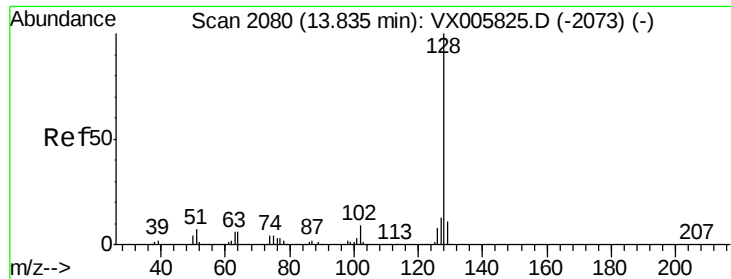
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#94
 Hexachlorobutadiene
 Concen: 21.243 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005944.D
 Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17262		
223	61.0	31.7	95.1	
227	63.1	32.3	96.9	





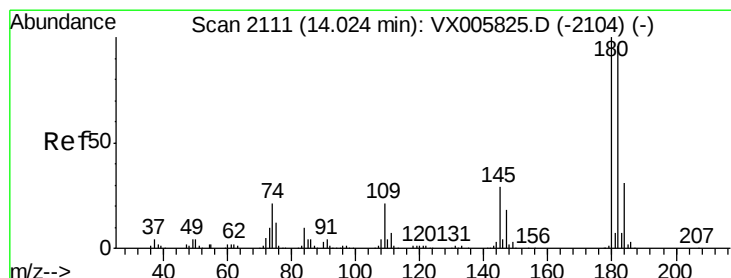
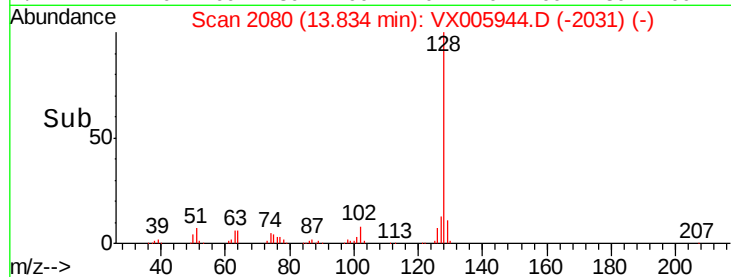
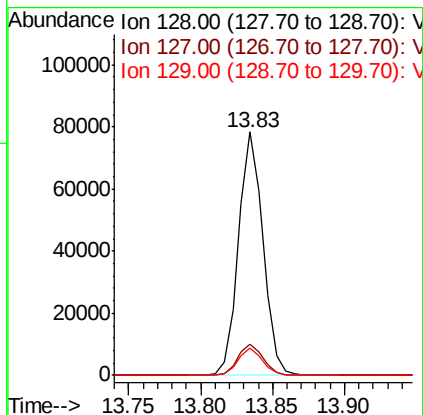
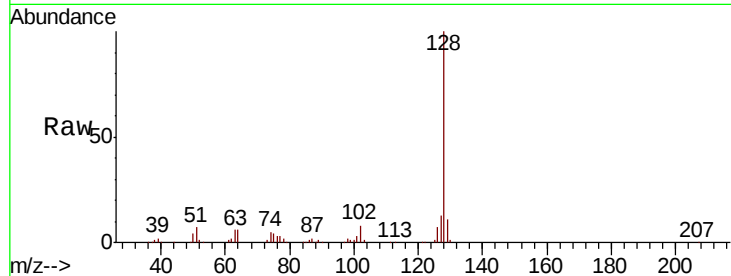
#95
Naphthalene
Concen: 19.153 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/14/2018 9:51:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.895 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005944.D
Acq: 13 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.2
145	29.8	15.1	45.3

