

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005472.D
 Acq On : 22 Oct 2018 16:06
 Operator : JC/MD
 Sample : VX1022WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2018 1:27:59 PM

Quant Time: Oct 23 02:06:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160523	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	136359	56.97	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.94%	
35) Dibromofluoromethane	5.51	113	107372	52.30	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	8.71	98	375755	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	11.14	95	139424	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	36025	21.363	ug/l	99
3) Chloromethane	1.32	50	49741	20.357	ug/l	99
4) Vinyl Chloride	1.40	62	46312	18.710	ug/l	97
5) Bromomethane	1.64	94	30181	21.921	ug/l	87
6) Chloroethane	1.72	64	32805	21.397	ug/l	96
7) Trichlorofluoromethane	1.93	101	69668	21.091	ug/l	85
8) Diethyl Ether	2.19	74	28375	20.116	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38517	20.203	ug/l	95
10) Methyl Iodide	2.51	142	44958	22.925	ug/l	96
11) Tert butyl alcohol	3.07	59	78895	116.844	ug/l	100
12) 1,1-Dichloroethene	2.37	96	37861	20.043	ug/l	94
13) Acrolein	2.29	56	32718	74.416	ug/l	94
14) Allyl chloride	2.73	41	89091	21.482	ug/l	95
15) Acrylonitrile	3.15	53	163465	106.834	ug/l	98
16) Acetone	2.45	43	159904	115.539	ug/l	93
17) Carbon Disulfide	2.57	76	100347	17.536	ug/l	99
18) Methyl Acetate	2.78	43	100361	25.489	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	145329	21.845	ug/l	99
20) Methylene Chloride	2.85	84	45225	21.685	ug/l #	94
21) trans-1,2-Dichloroethene	3.16	96	41153	19.659	ug/l	96
22) Diisopropyl ether	3.87	45	151306	21.721	ug/l #	81
23) Vinyl Acetate	3.83	43	659949	108.395	ug/l	96
24) 1,1-Dichloroethane	3.70	63	88164	22.084	ug/l	96
25) 2-Butanone	4.71	43	231066	114.110	ug/l #	89
26) 2,2-Dichloropropane	4.59	77	66333	22.217	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	45646	20.064	ug/l	93
28) Bromochloromethane	5.02	49	44191	24.282	ug/l	90
29) Tetrahydrofuran	5.16	42	139705	108.160	ug/l	93
30) Chloroform	5.21	83	83697	22.587	ug/l	88
31) Cyclohexane	5.58	56	64875	19.716	ug/l #	83
32) 1,1,1-Trichloroethane	5.49	97	70281	21.798	ug/l	99
36) 1,1-Dichloropropene	5.80	75	57939	19.302	ug/l	97
37) Ethyl Acetate	4.86	43	79047	20.476	ug/l	99
38) Carbon Tetrachloride	5.78	117	59368	19.683	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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Manual Integrations
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Quant Time: Oct 23 02:06:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57378	17.661	ug/l	94
40) Benzene	6.15	78	176002	19.545	ug/l	99
41) Methacrylonitrile	5.05	41	44712	21.604	ug/l	97
42) 1,2-Dichloroethane	6.20	62	65852	20.711	ug/l	97
43) Isopropyl Acetate	6.46	43	115972	22.552	ug/l	97
44) Trichloroethene	7.21	130	44847	19.121	ug/l	99
45) 1,2-Dichloropropane	7.52	63	46580	21.088	ug/l	99
46) Dibromomethane	7.66	93	29285	20.088	ug/l	98
47) Bromodichloromethane	7.90	83	58220	21.590	ug/l	97
48) Methyl methacrylate	7.77	41	57326	21.494	ug/l	95
49) 1,4-Dioxane	7.75	88	25602	416.184	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	404899	113.715	ug/l	93
52) Toluene	8.79	92	104880	21.289	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	63587	21.789	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	68754	21.743	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	45543	21.826	ug/l	97
56) Ethyl methacrylate	9.18	69	65516	21.538	ug/l	93
57) 1,3-Dichloropropane	9.37	76	75561	21.696	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	192950	113.105	ug/l	94
59) 2-Hexanone	9.49	43	319357	111.499	ug/l	92
60) Dibromochloromethane	9.59	129	47284	21.923	ug/l	99
61) 1,2-Dibromoethane	9.67	107	46388	21.183	ug/l	100
64) Tetrachloroethene	9.34	164	45626	19.837	ug/l	98
65) Chlorobenzene	10.14	112	119656	19.689	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	44822	20.696	ug/l	98
67) Ethyl Benzene	10.26	91	196449	19.884	ug/l	98
68) m/p-Xylenes	10.36	106	152786	39.843	ug/l	93
69) o-Xylene	10.70	106	72801	19.685	ug/l	93
70) Styrene	10.71	104	123776	20.348	ug/l	96
71) Bromoform	10.86	173	37965	19.617	ug/l #	99
73) Isopropylbenzene	11.02	105	203612	21.337	ug/l	99
74) N-amyl acetate	10.90	43	98035	21.300	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	74466	20.686	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	70509m	22.645	ug/l	
77) Bromobenzene	11.26	156	55770	20.440	ug/l	98
78) n-propylbenzene	11.36	91	234660	21.370	ug/l	99
79) 2-Chlorotoluene	11.42	91	140468	20.887	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	171346	20.968	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	20852	20.348	ug/l	99
82) 4-Chlorotoluene	11.51	91	165944	20.815	ug/l	99
83) tert-Butylbenzene	11.77	119	170442	20.597	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	178714	21.251	ug/l	97
85) sec-Butylbenzene	11.94	105	205802	21.015	ug/l	99
86) p-Isopropyltoluene	12.07	119	184585	20.854	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	102259	20.057	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	102756	19.701	ug/l	99
89) n-Butylbenzene	12.39	91	158195	19.684	ug/l	97
90) Hexachloroethane	12.60	117	29919	19.613	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	101877	19.581	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17652	20.103	ug/l	96

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Instrument :
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ClientSampleId :
VX1022WBSD01

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	74810	19.598	ug/l	99
94) Hexachlorobutadiene	13.79	225	37973	18.835	ug/l	97
95) Naphthalene	13.83	128	229326	20.715	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	77694	19.892	ug/l	99

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



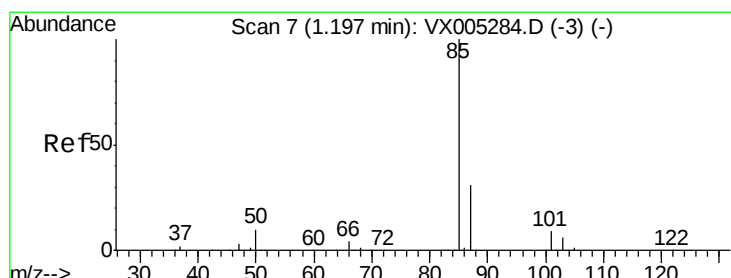
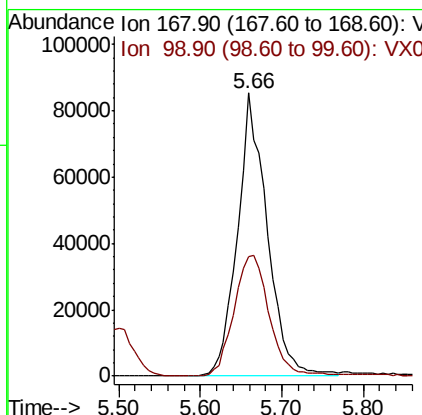
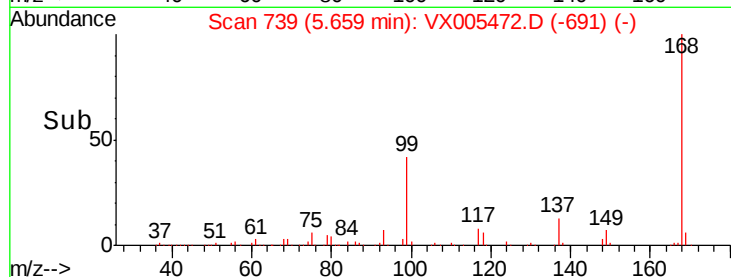
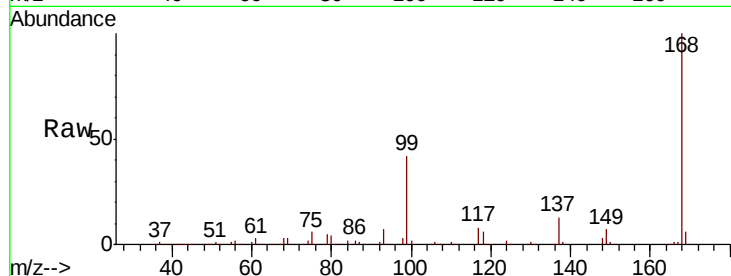
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	42.0	39.9	59.9

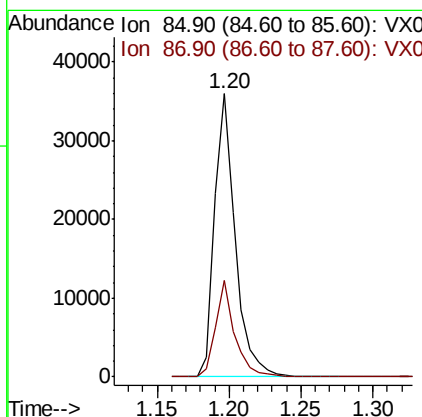
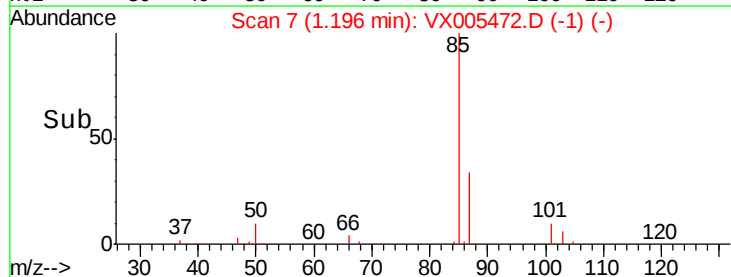
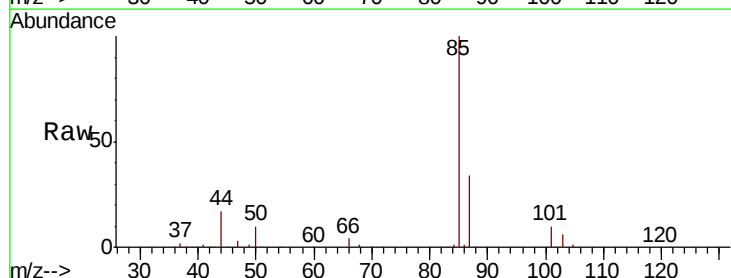
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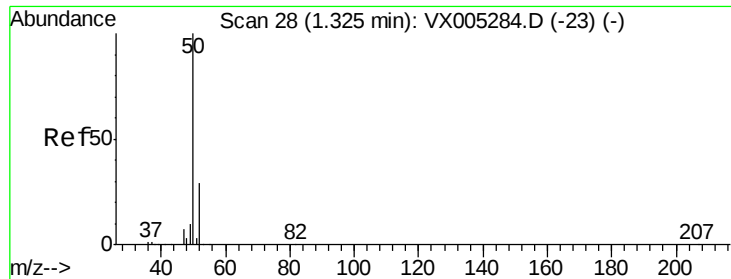
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#2
Dichlorodifluoromethane
Concen: 21.363 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.3	17.0	50.9





#3

Chloromethane

Concen: 20.357 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 50 Resp: 49741

Ion Ratio Lower Upper

50 100

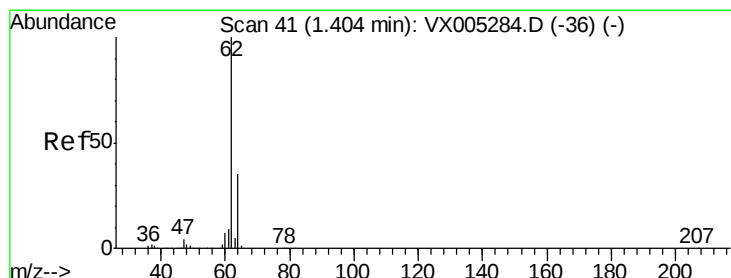
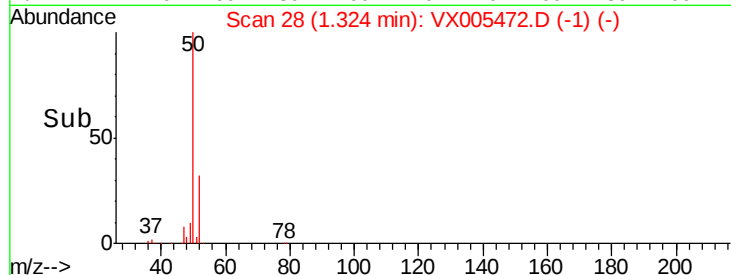
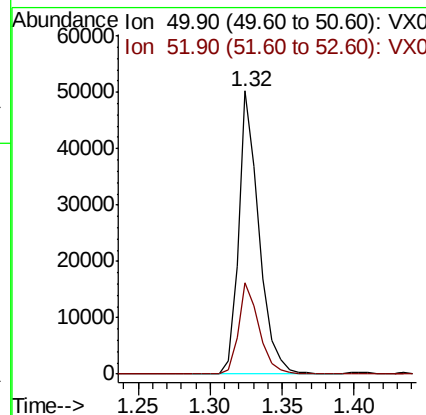
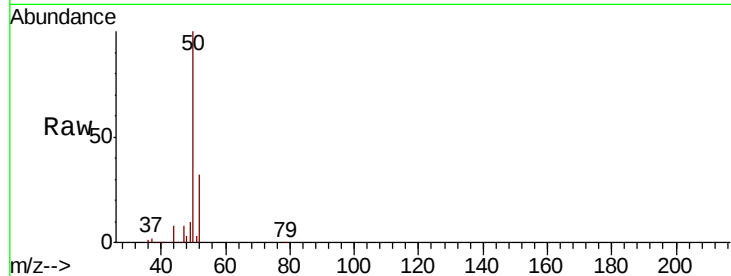
52 32.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.710 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005472.D

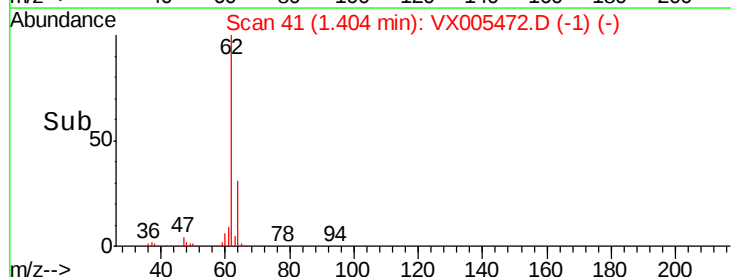
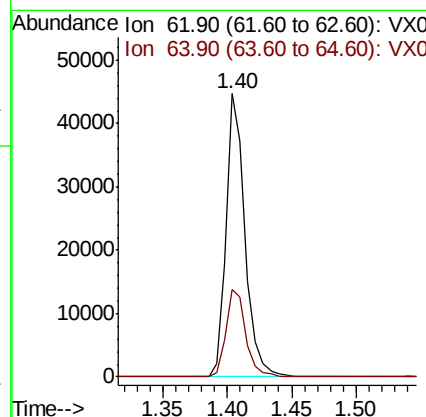
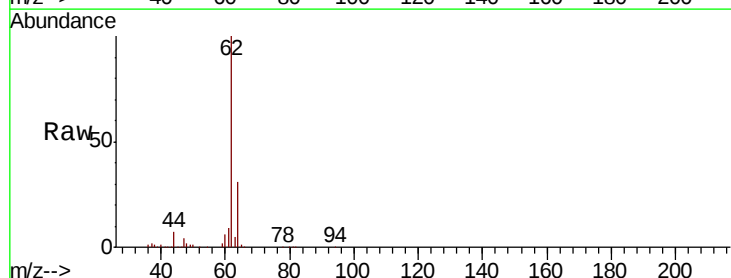
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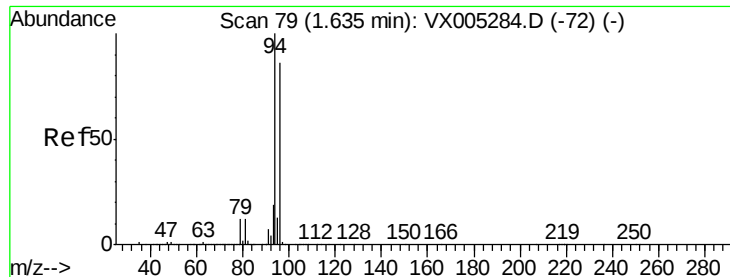
Tgt Ion: 62 Resp: 46312

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 21.921 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 94 Resp: 30181

Ion Ratio Lower Upper

94 100

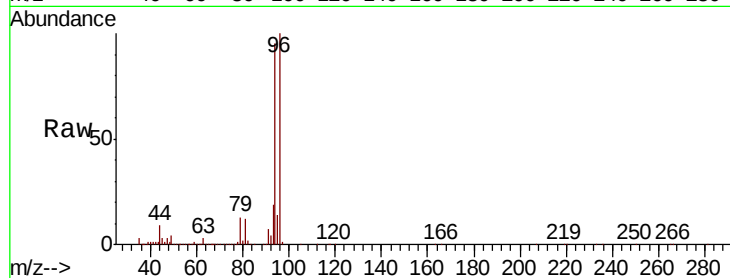
96 105.6 74.5 111.7

Manual Integrations

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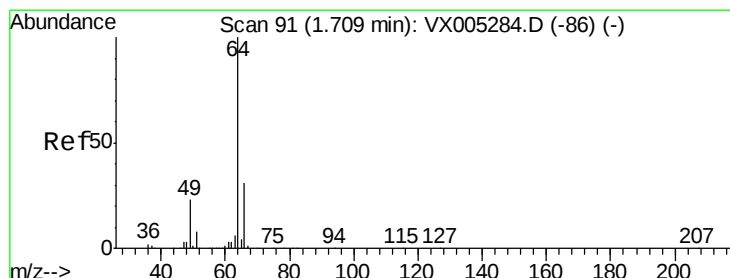
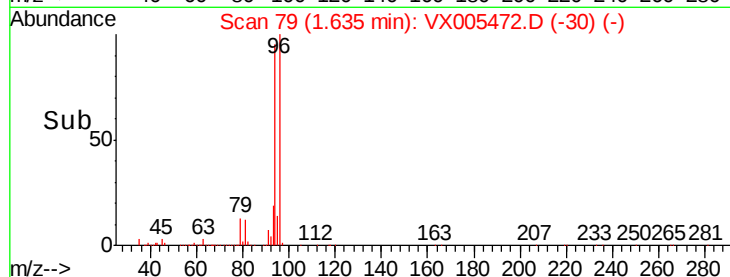
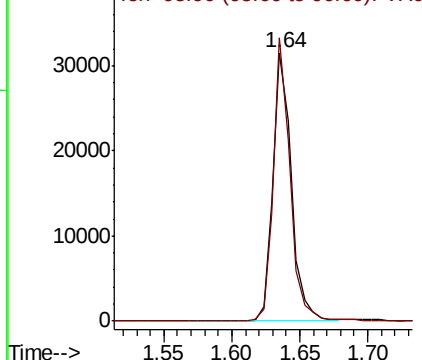
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.397 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005472.D

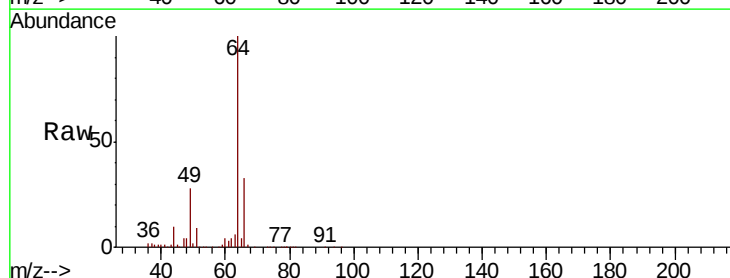
Acq: 22 Oct 2018 16:06

Tgt Ion: 64 Resp: 32805

Ion Ratio Lower Upper

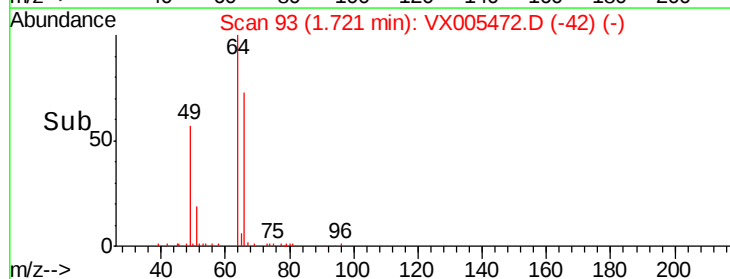
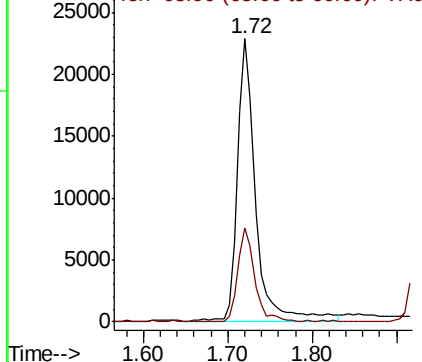
64 100

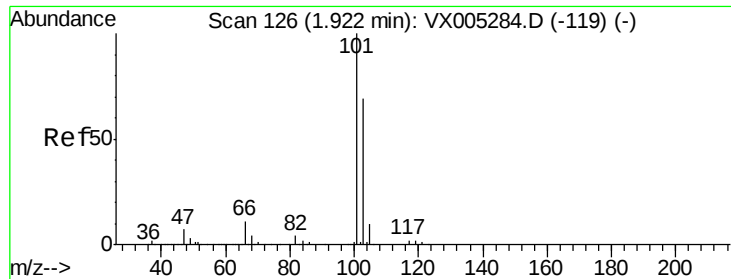
66 33.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

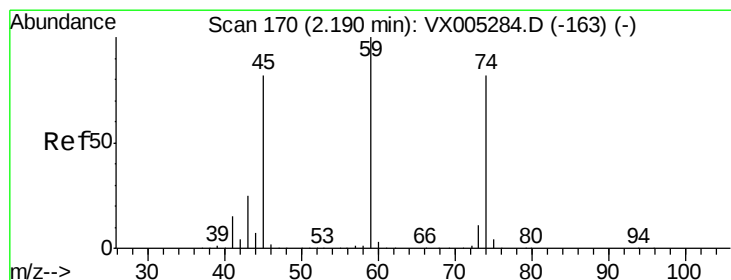
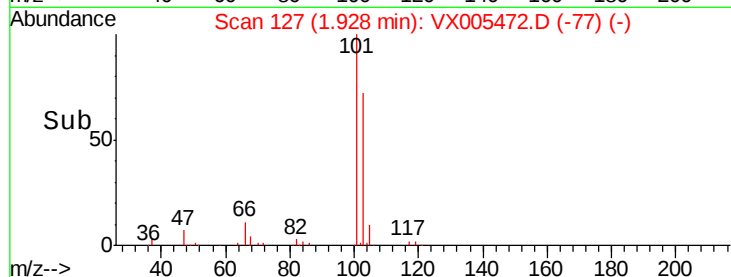
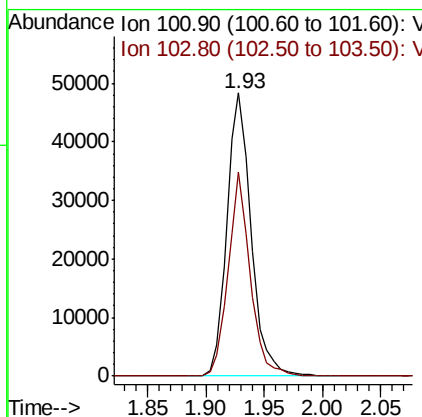
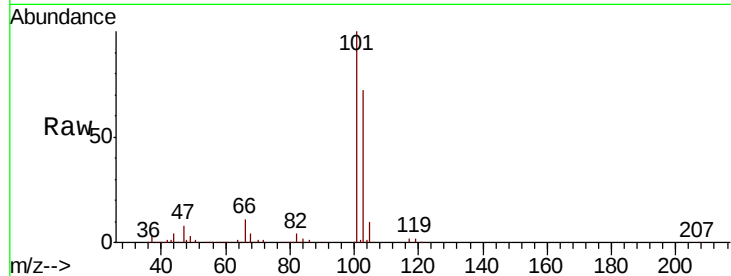
Trichlorofluoromethane
 Concen: 21.091 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	72.3	48.9	73.3

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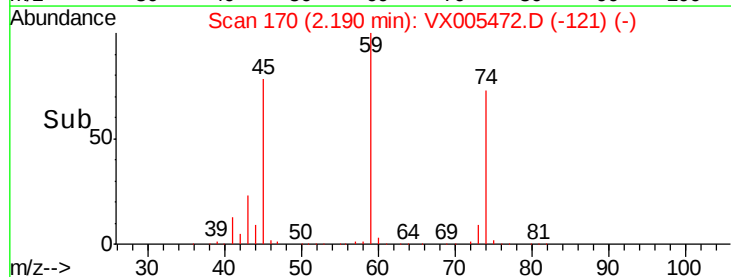
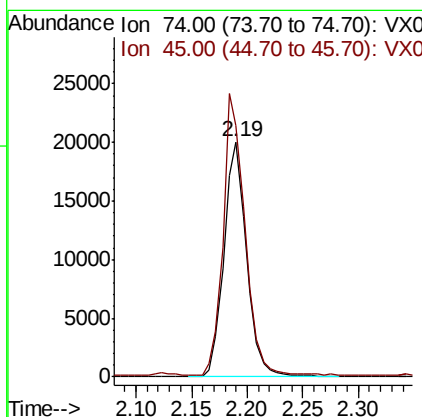
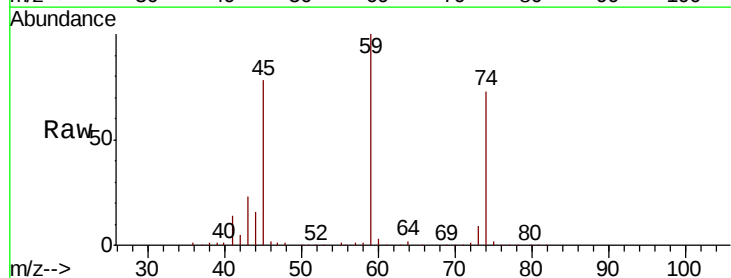
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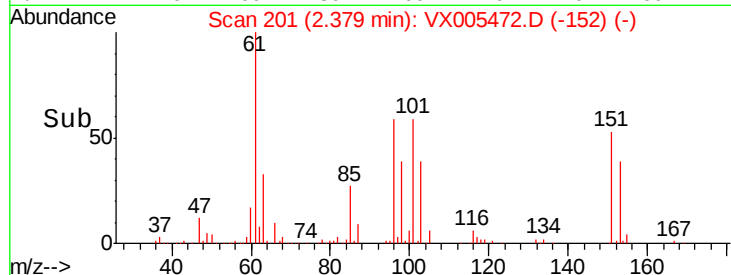
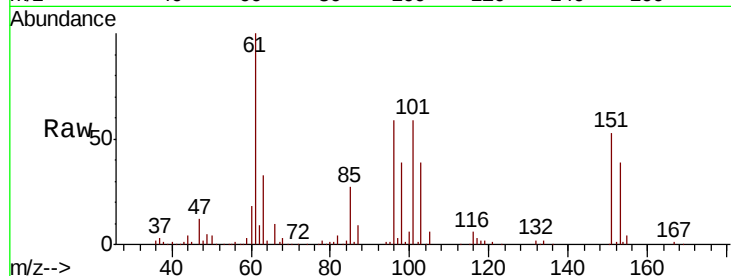
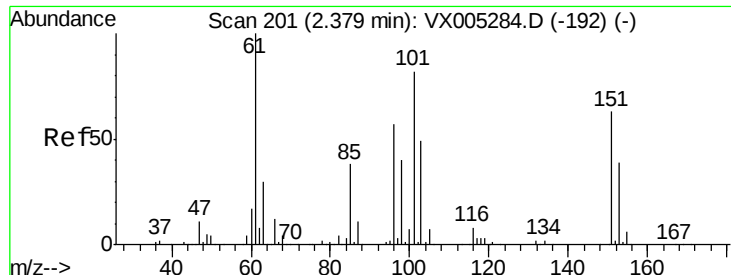


#8

Diethyl Ether
 Concen: 20.116 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.3	48.3	144.8





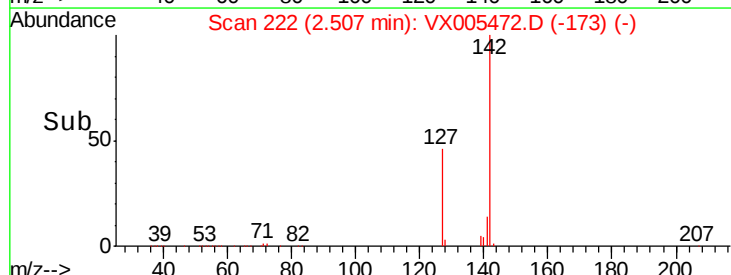
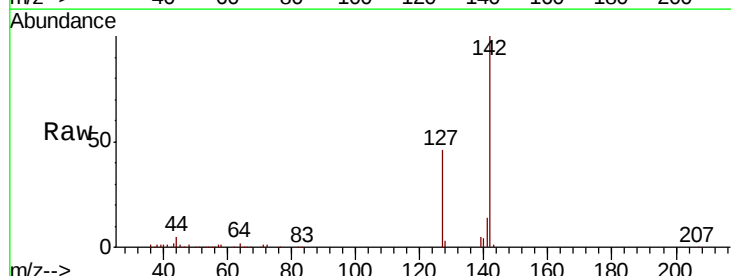
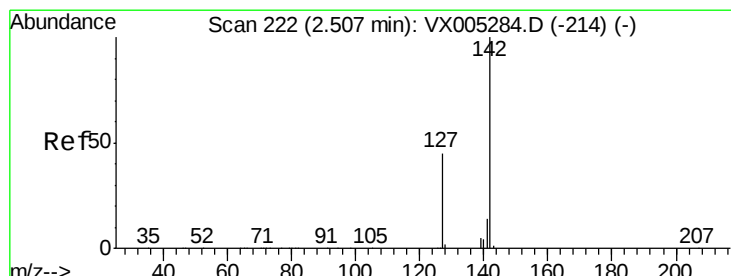
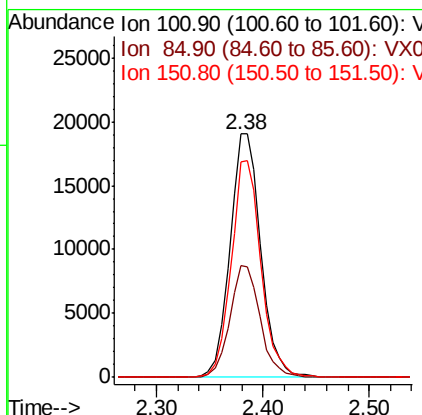
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.203 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.0	34.2	51.4
151	86.6	65.0	97.6

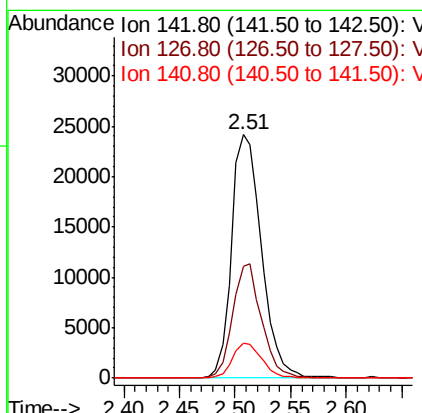
Manual Integrations
APPROVED

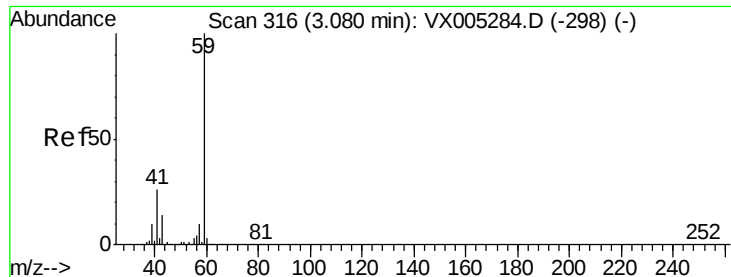
MMDadoda
10/23/2018 1:27:59 PM



#10
Methyl Iodide
Concen: 22.925 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.2	33.8	50.6
141	14.4	11.4	17.0





#11

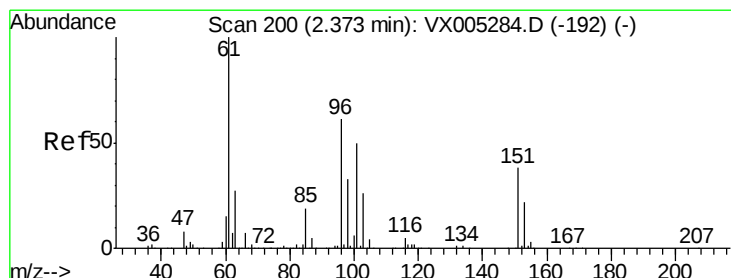
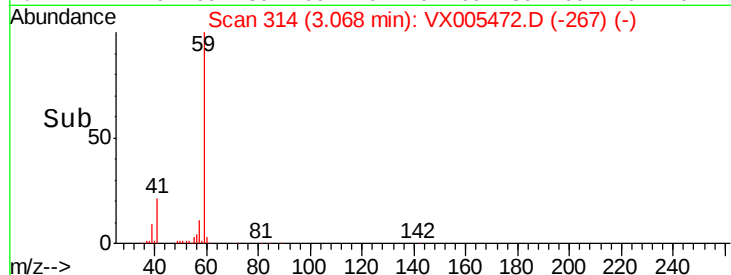
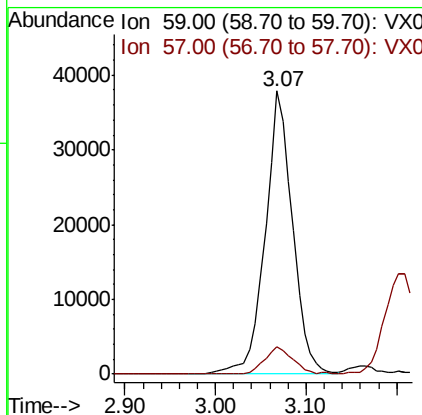
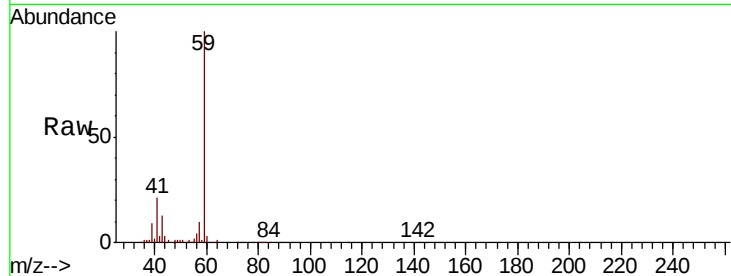
Tert butyl alcohol
Concen: 116.844 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion: 59 Resp: 78895
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

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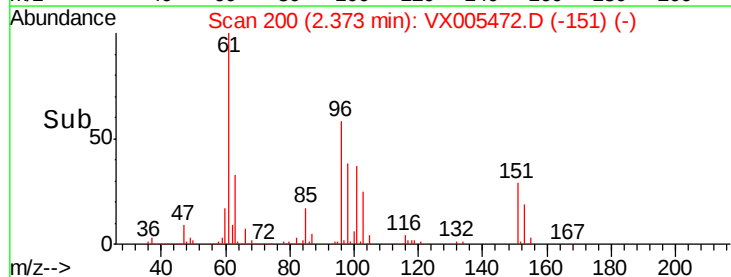
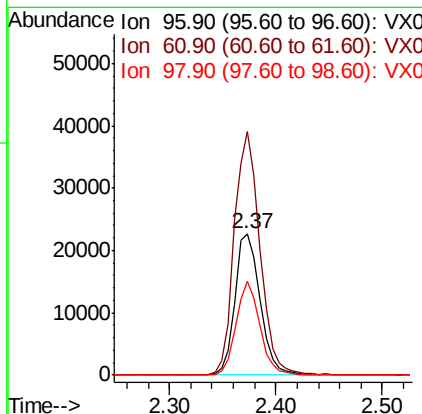
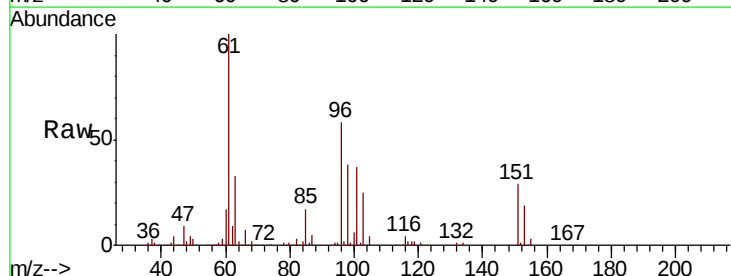
MMDadoda
10/23/2018 1:27:59 PM

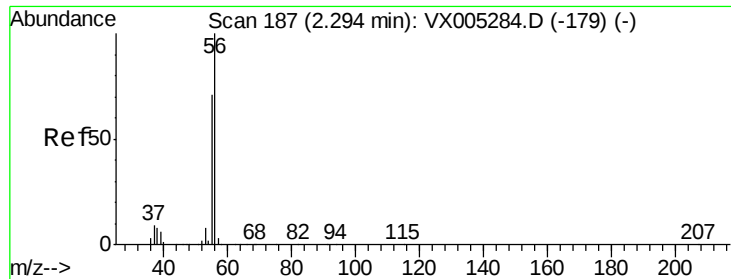


#12

1,1-Dichloroethene
Concen: 20.043 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion: 96 Resp: 37861
Ion Ratio Lower Upper
96 100
61 172.4 128.8 193.2
98 66.0 52.2 78.2





#13

Acrolein

Concen: 74.416 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 56 Resp: 32718

Ion Ratio Lower Upper

56 100

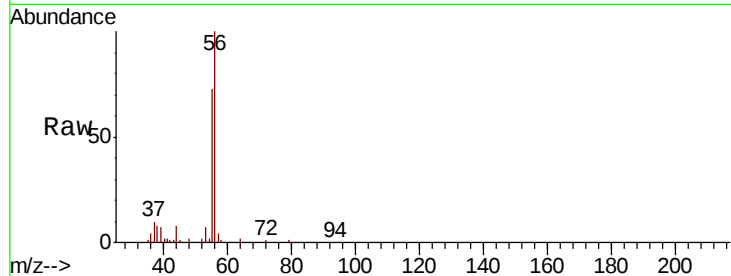
55 73.5 54.7 82.1

Manual Integrations

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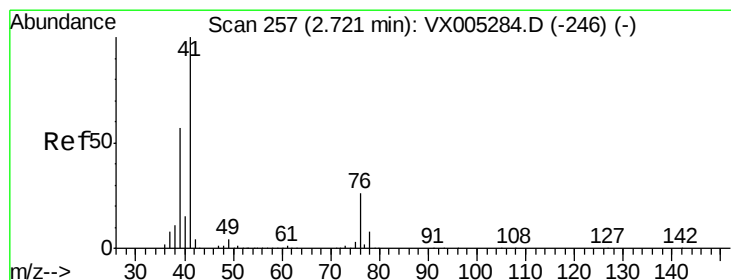
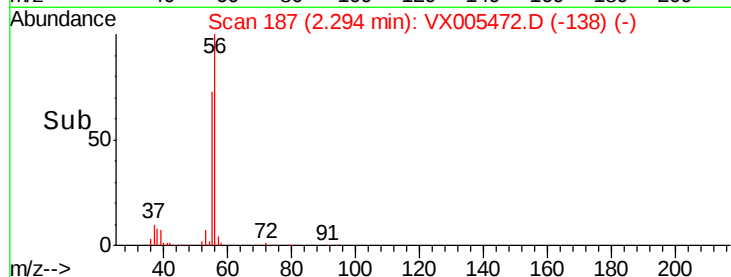
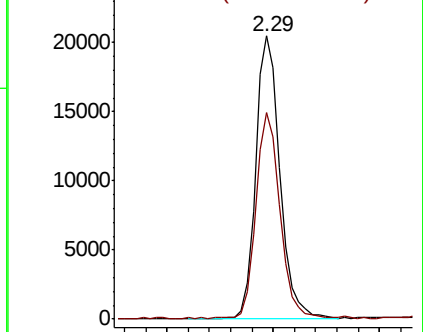
MMDadoda

10/23/2018 1:27:59 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.482 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

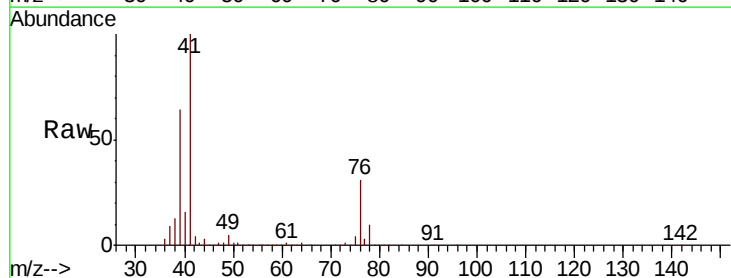
Tgt Ion: 41 Resp: 89091

Ion Ratio Lower Upper

41 100

39 59.0 48.9 73.3

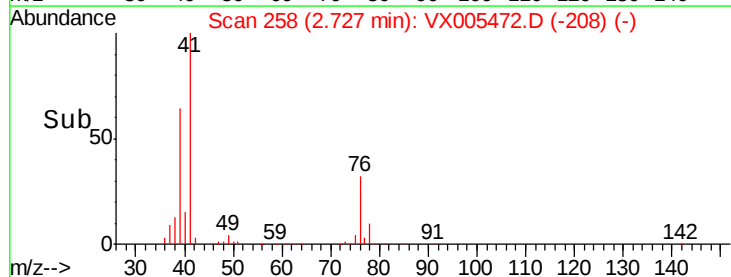
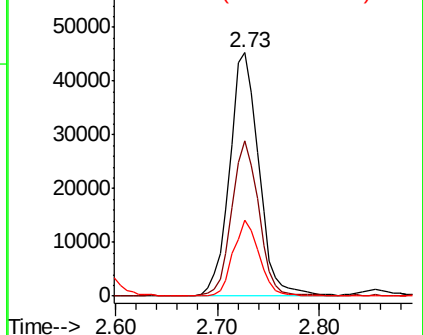
76 28.0 26.7 40.1

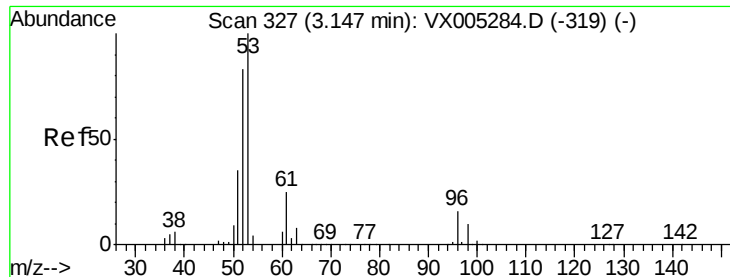


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 106.834 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

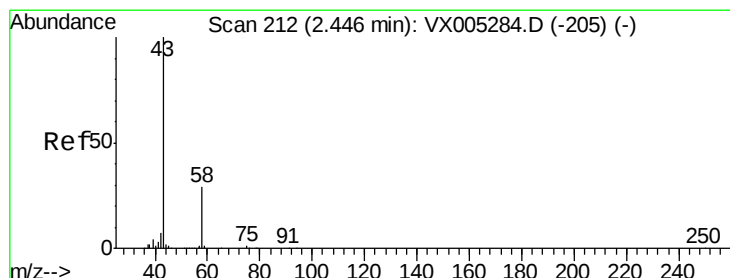
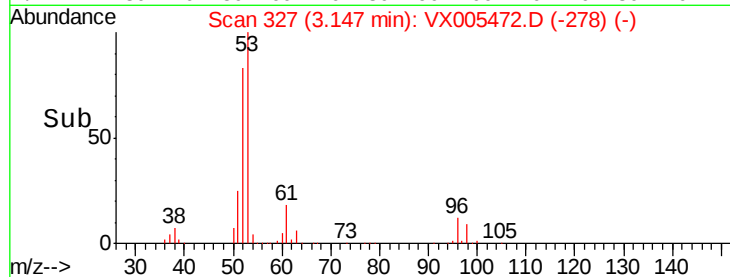
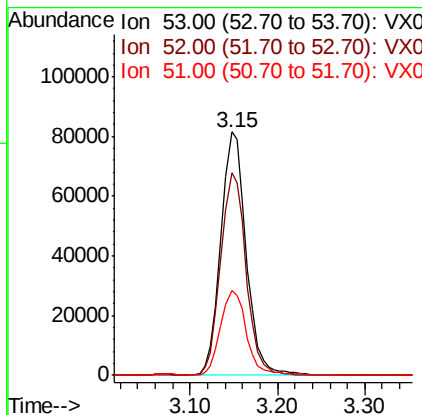
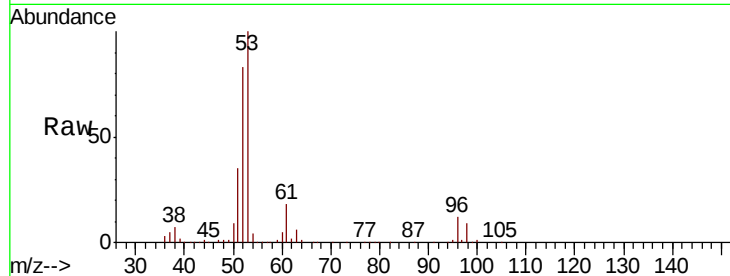
ClientSampleId :

VX1022WBSD01

Tot Ion:	53	Resp:	163465
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.2	97.8
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 115.539 ug/l

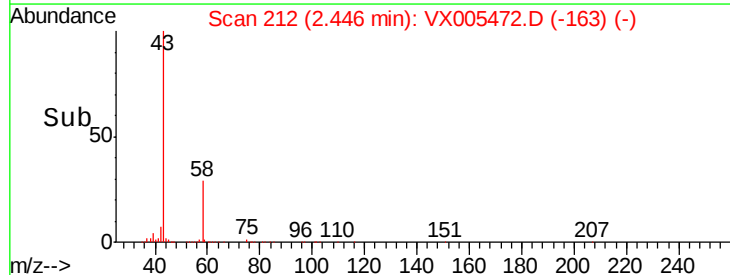
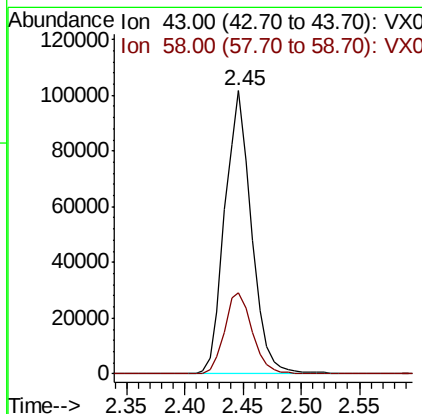
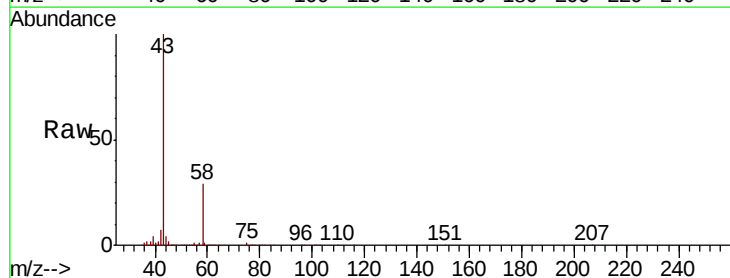
RT: 2.45 min Scan# 212

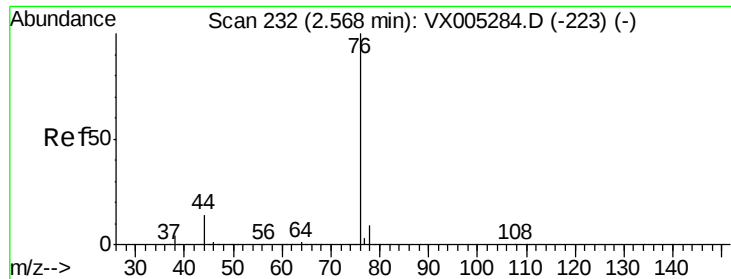
Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Tgt Ion:	43	Resp:	159904
Ion	Ratio	Lower	Upper
43	100		
58	28.7	26.2	39.4





#17

Carbon Disulfide

Concen: 17.536 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 76 Resp: 100347

Ion Ratio Lower Upper

76 100

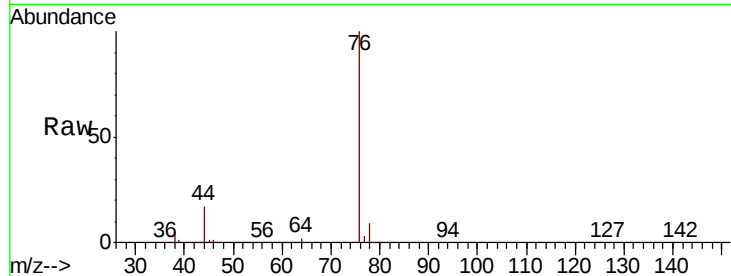
78 9.3 7.0 10.6

Manual Integrations

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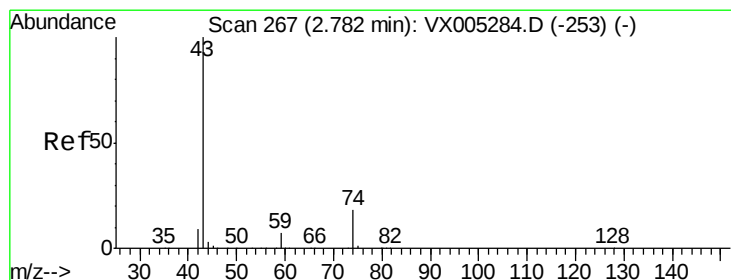
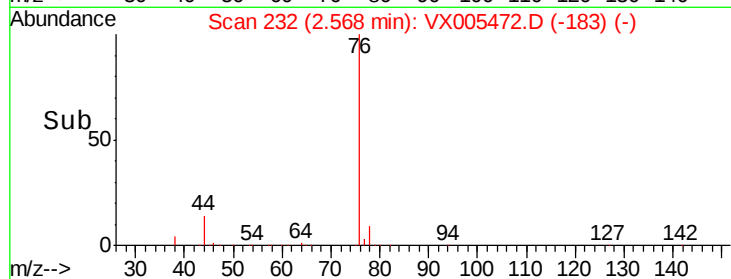
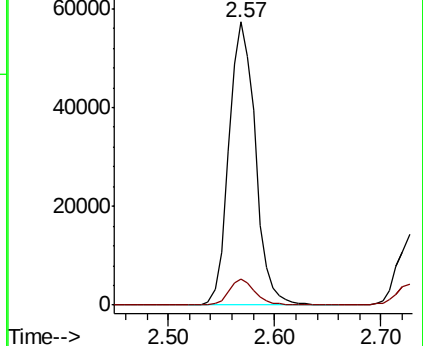
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 25.489 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005472.D

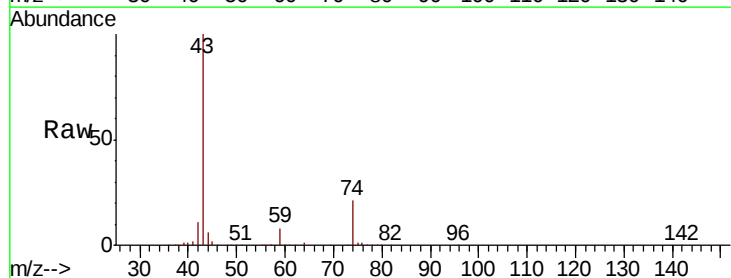
Acq: 22 Oct 2018 16:06

Tgt Ion: 43 Resp: 100361

Ion Ratio Lower Upper

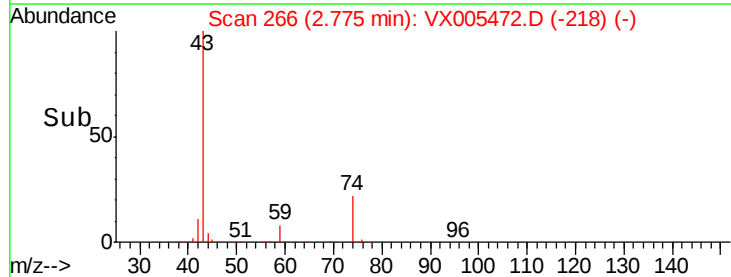
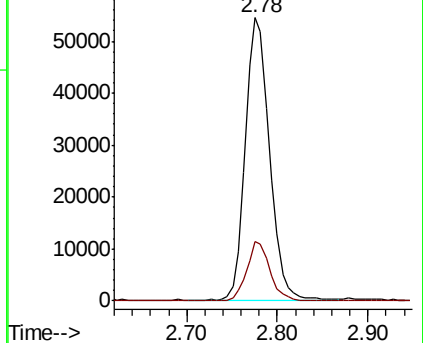
43 100

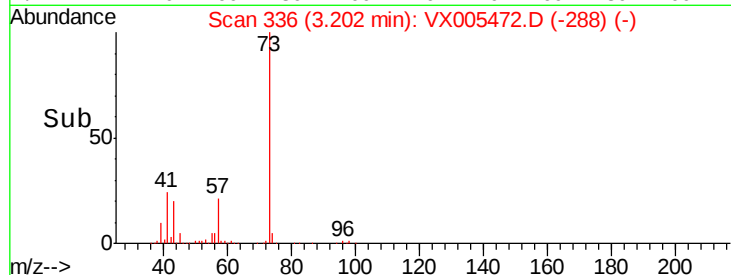
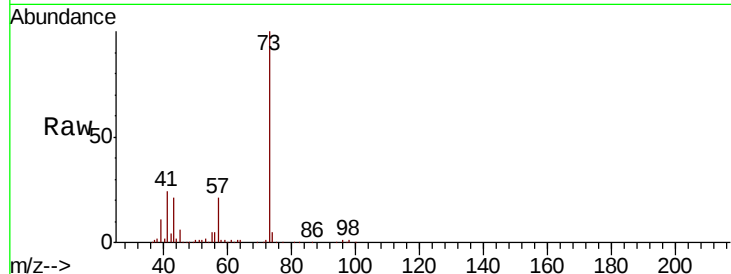
74 20.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





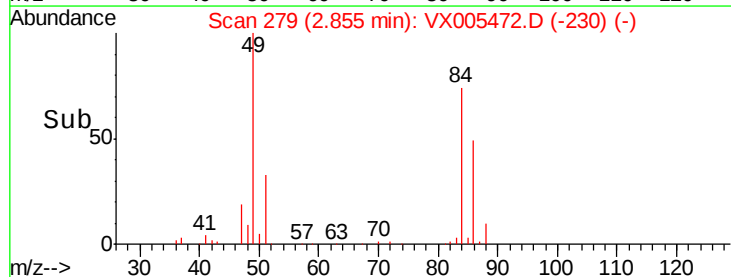
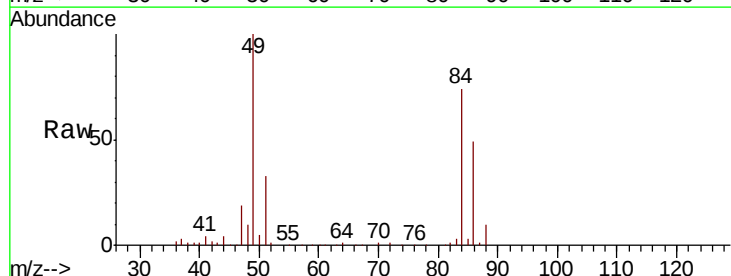
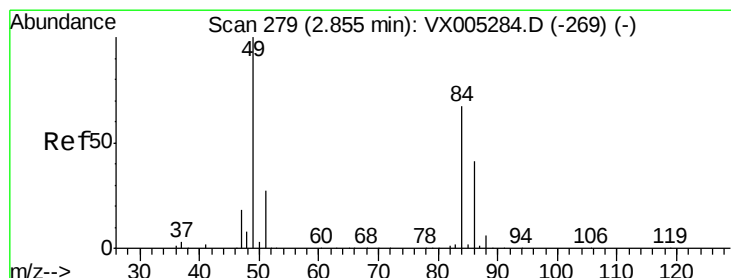
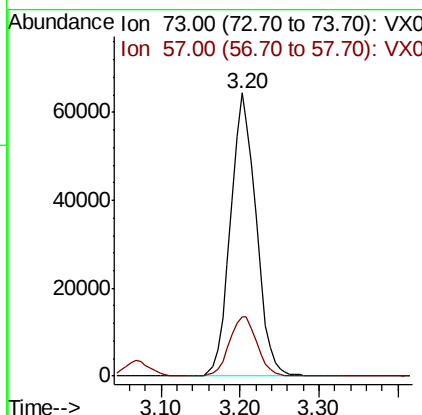
#19
Methyl tert-butyl Ether
Concen: 21.845 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.1	25.7

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

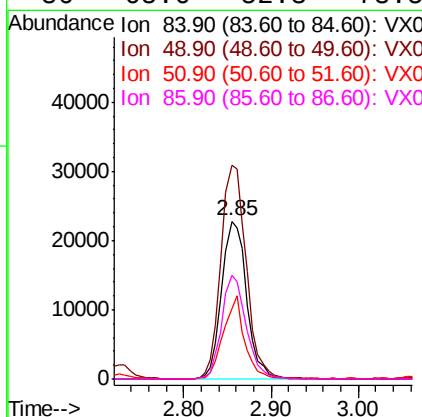
Manual Integrations
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#20
Methylene Chloride
Concen: 21.685 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.9	101.2	151.8
51	44.5	29.5	44.3
86	65.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.659 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

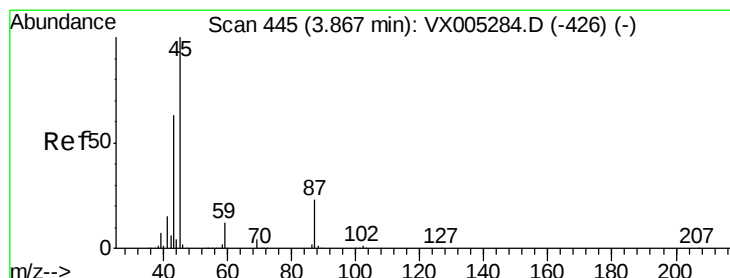
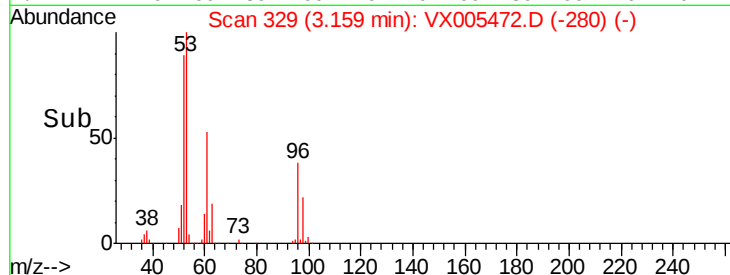
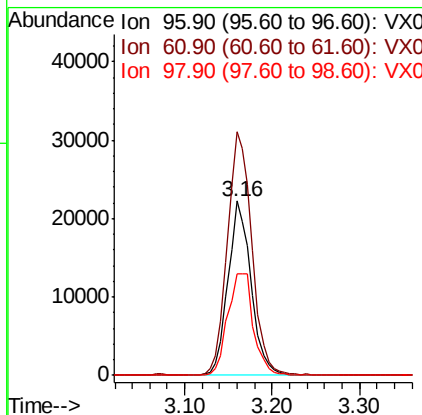
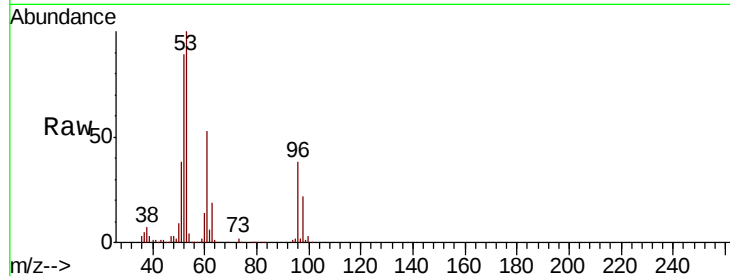
ClientSampleId :

VX1022WBSD01

Tot Ion:	96	Resp:	41153
Ion	Ratio	Lower	Upper
96	100		
61	139.8	113.8	170.6
98	58.5	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.721 ug/l

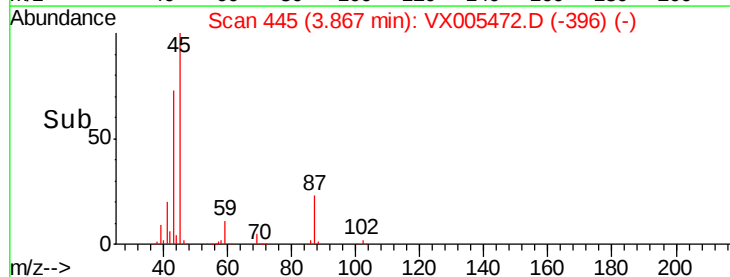
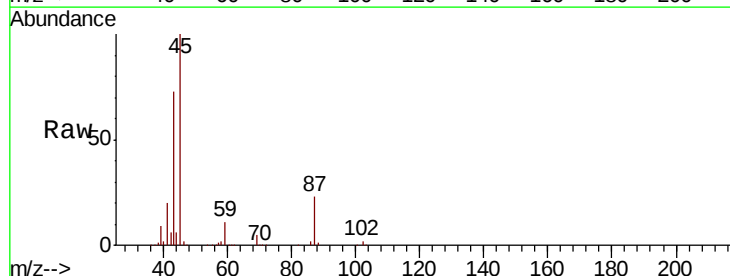
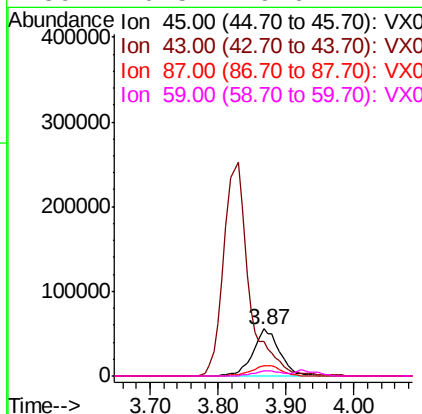
RT: 3.87 min Scan# 445

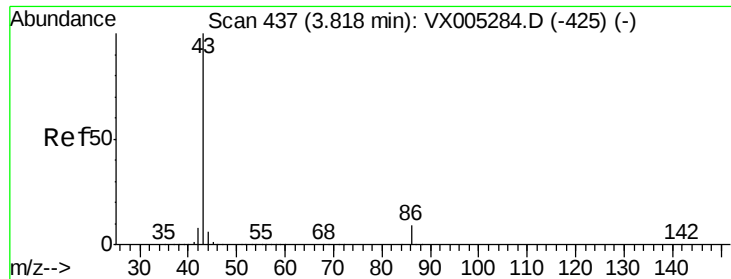
Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Tgt Ion:	45	Resp:	151306
Ion	Ratio	Lower	Upper
45	100		
43	72.6	42.8	64.2#
87	23.1	22.6	34.0
59	10.5	9.6	14.4





#23

Vinyl Acetate

Concen: 108.395 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 43 Resp: 659949

Ion Ratio Lower Upper

43 100

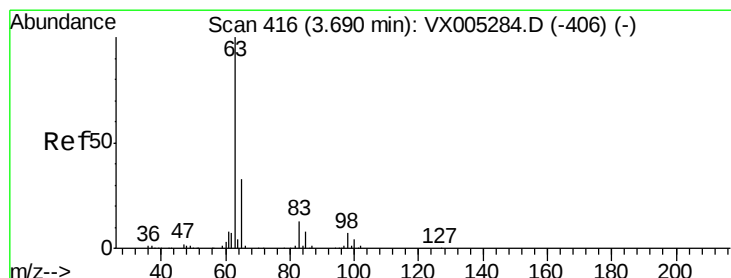
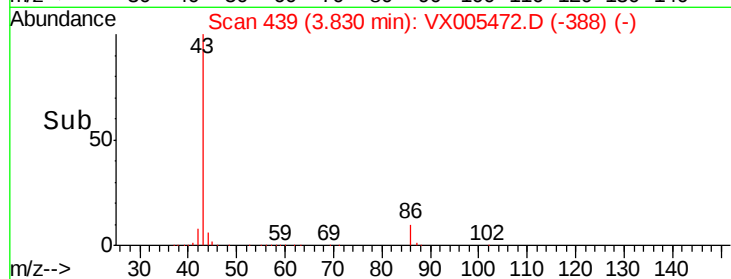
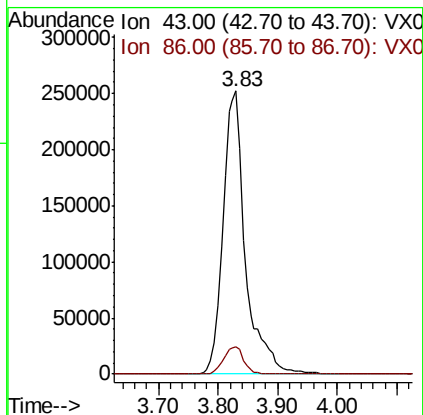
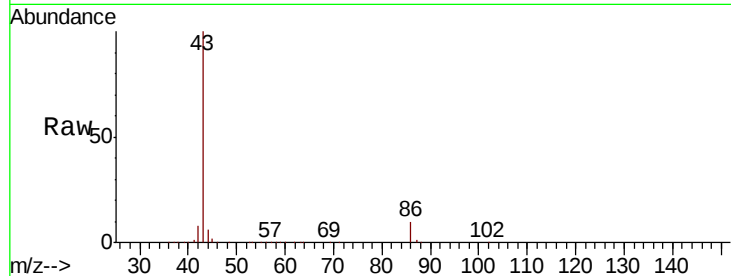
86 9.8 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.084 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

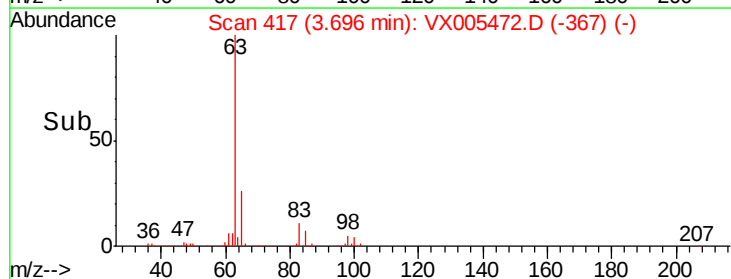
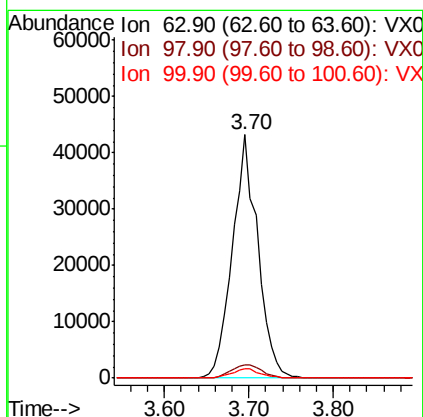
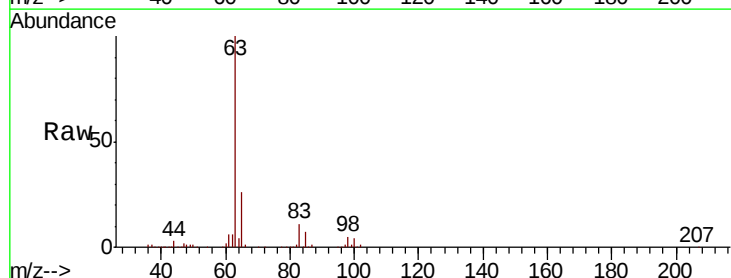
Tgt Ion: 63 Resp: 88164

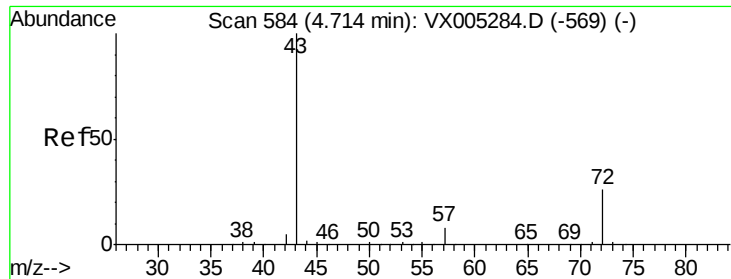
Ion Ratio Lower Upper

63 100

98 5.2 3.5 10.4

100 3.8 2.4 7.1





#25

2-Butanone

Concen: 114.110 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 43 Resp: 231066

Ion Ratio Lower Upper

43 100

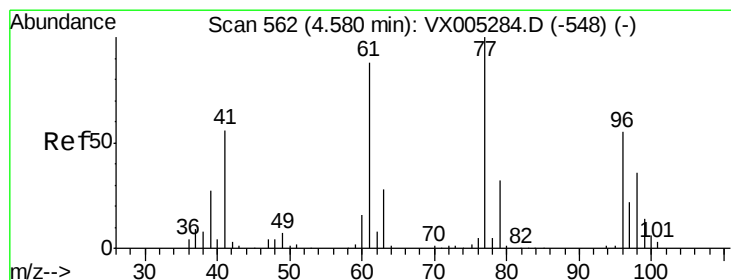
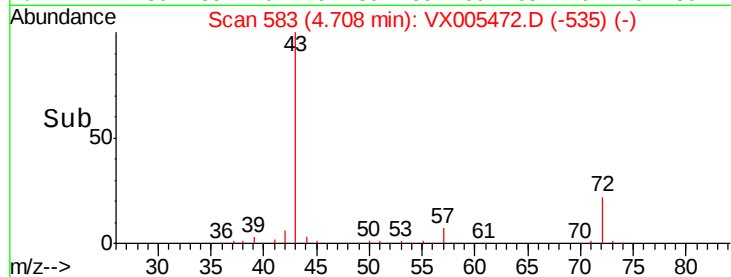
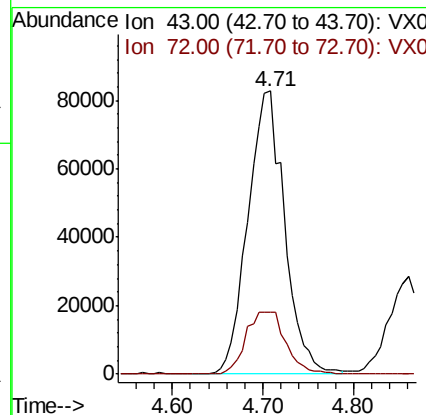
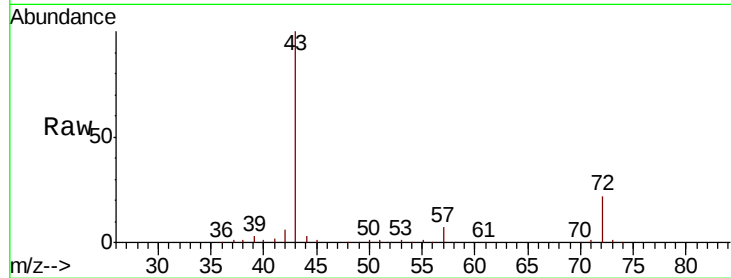
72 21.9 22.0 33.0#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.217 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX005472.D

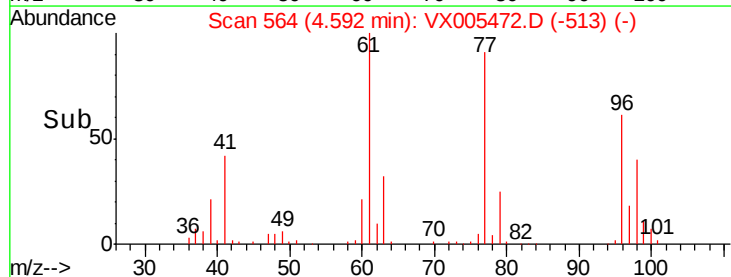
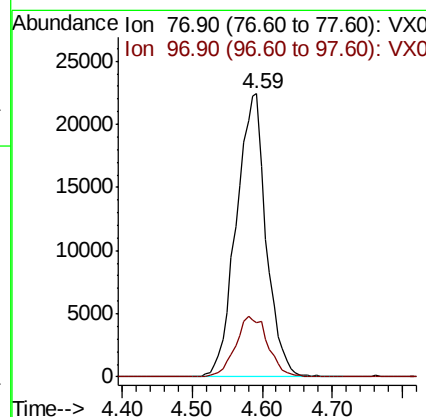
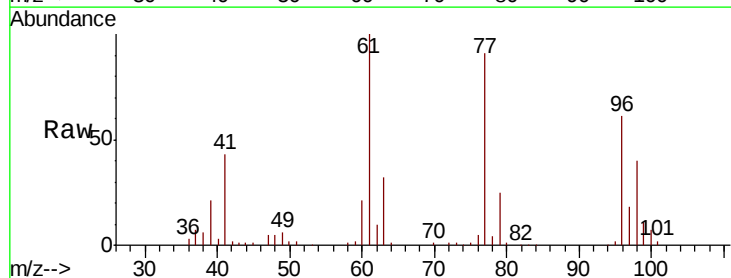
Acq: 22 Oct 2018 16:06

Tgt Ion: 77 Resp: 66333

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0





#27

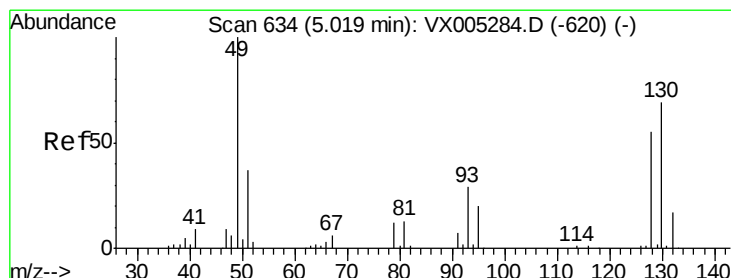
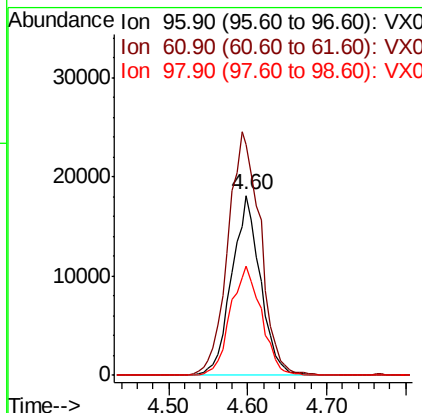
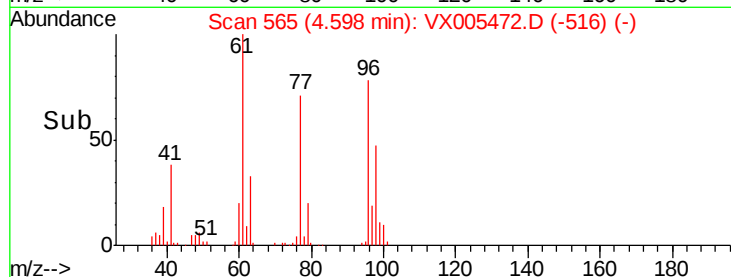
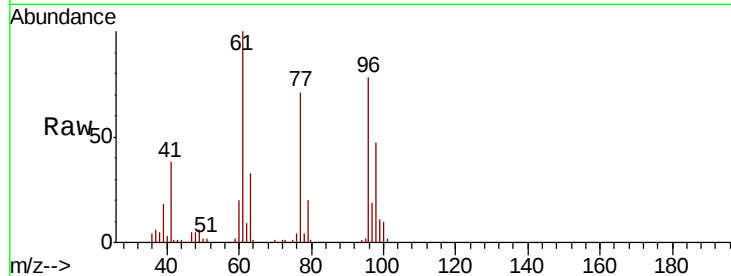
cis-1,2-Dichloroethene
Concen: 20.064 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.1	0.0	282.6
98	65.9	0.0	130.2

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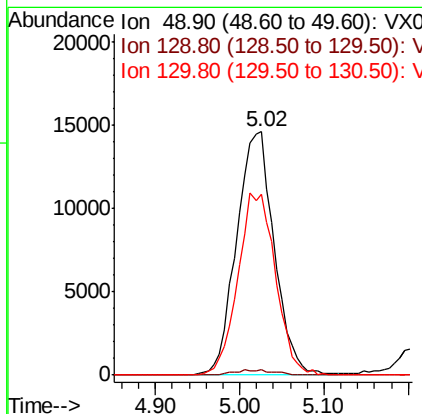
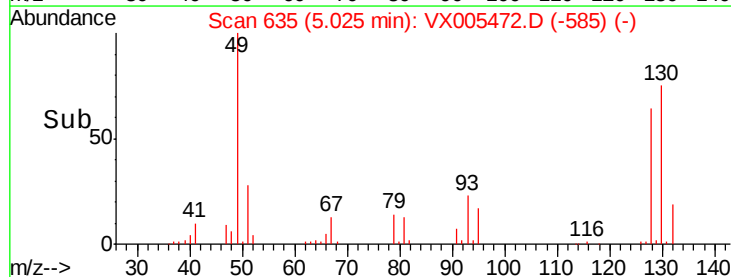
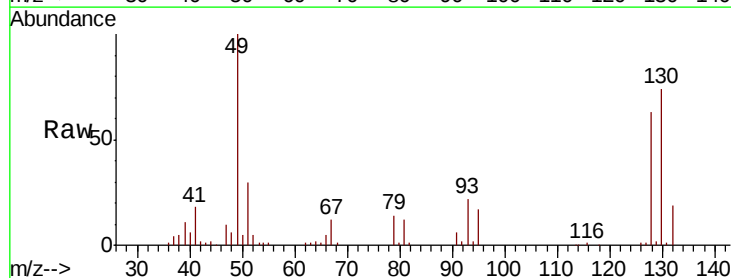
MMDadoda
10/23/2018 1:27:59 PM

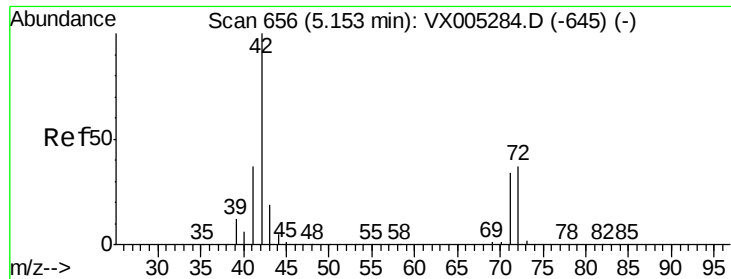


#28

Bromochloromethane
Concen: 24.282 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	74.7	67.5	101.3





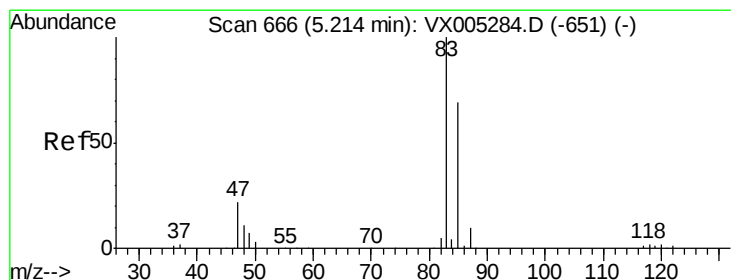
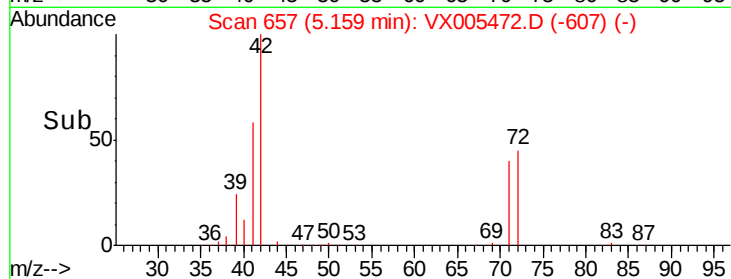
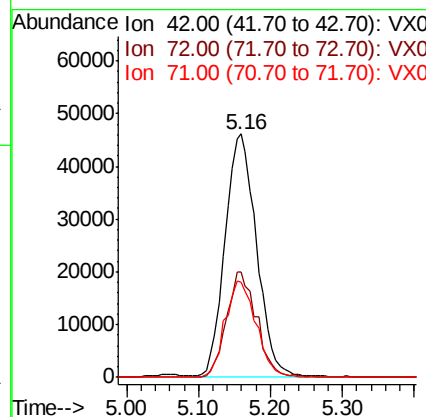
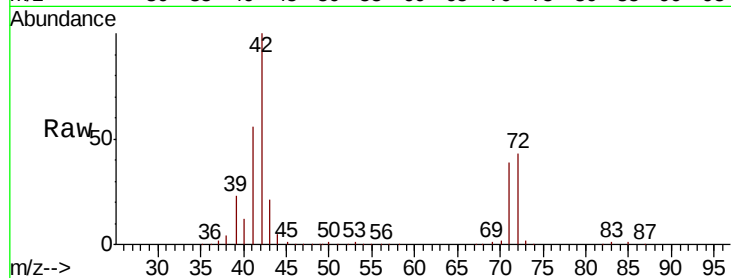
#29
Tetrahydrofuran
Concen: 108.160 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	37.4	56.0
71	38.9	34.5	51.7

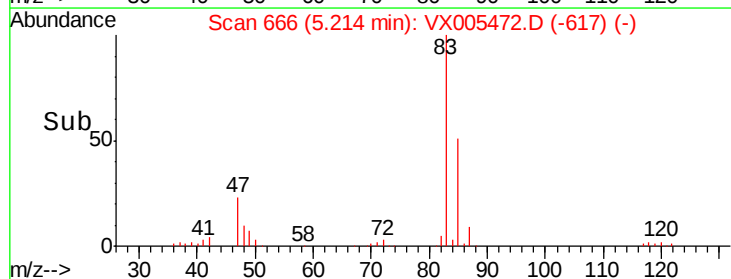
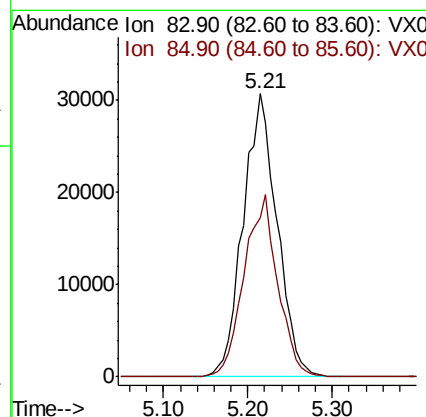
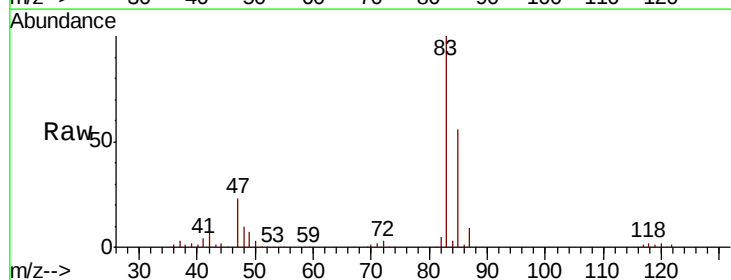
Manual Integrations
APPROVED

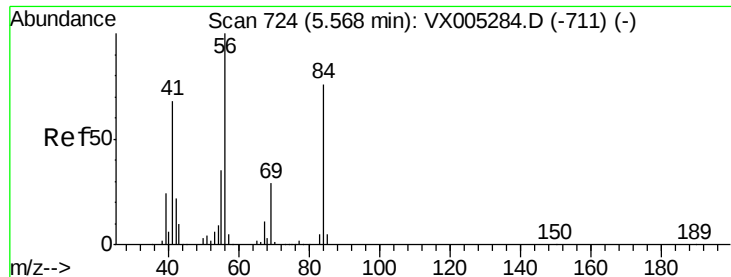
MMDadoda
10/23/2018 1:27:59 PM



#30
Chloroform
Concen: 22.587 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.1	52.6	79.0





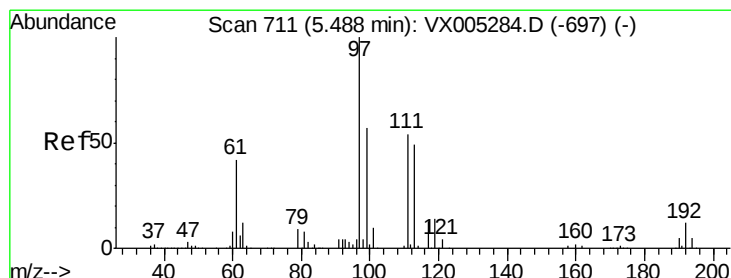
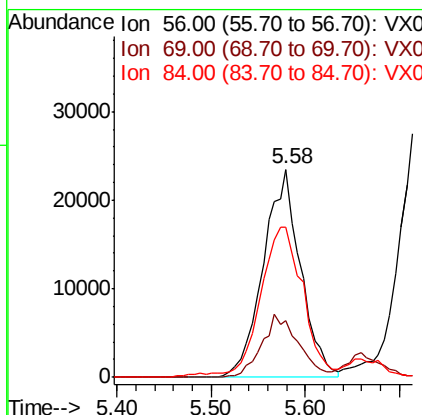
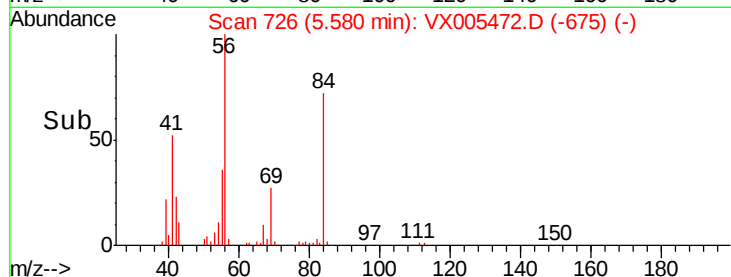
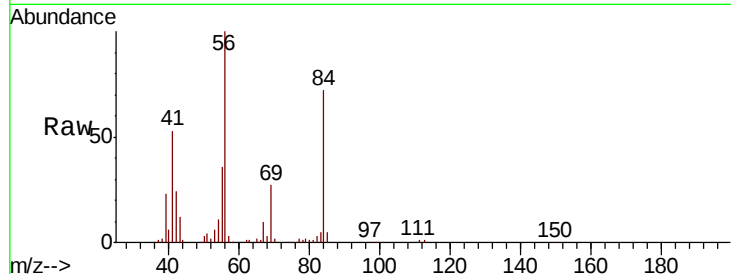
#31
Cyclohexane
Concen: 19.716 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.9	25.4	38.2
84	70.7	71.4	107.2#

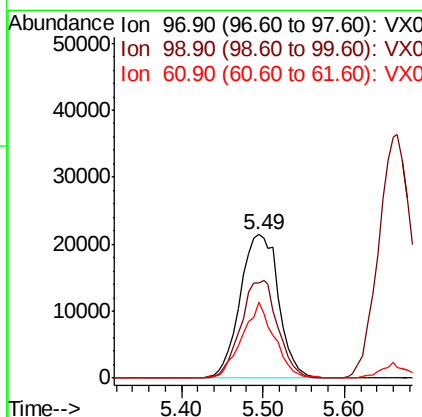
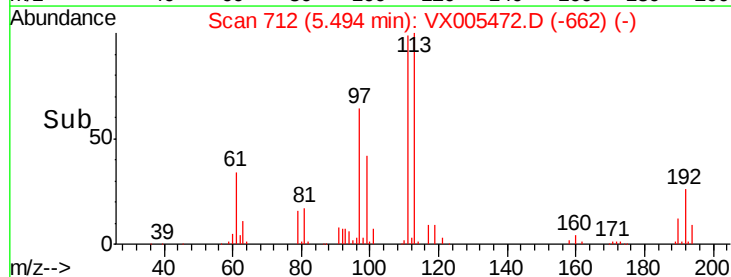
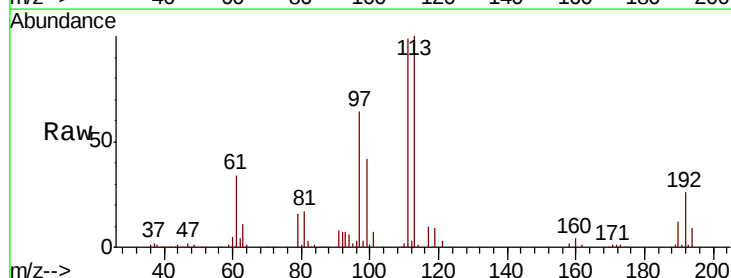
Manual Integrations
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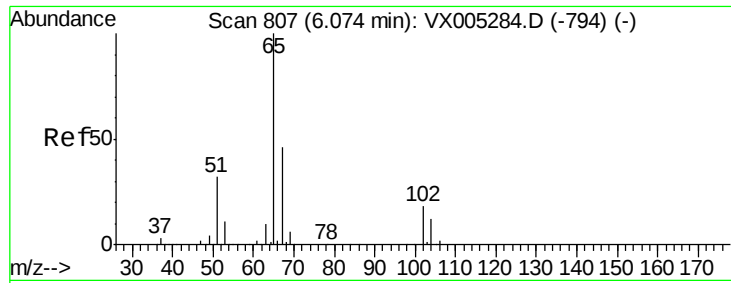
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.798 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.0	78.0
61	44.6	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 56.967 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 65 Resp: 136359

Ion Ratio Lower Upper

65 100

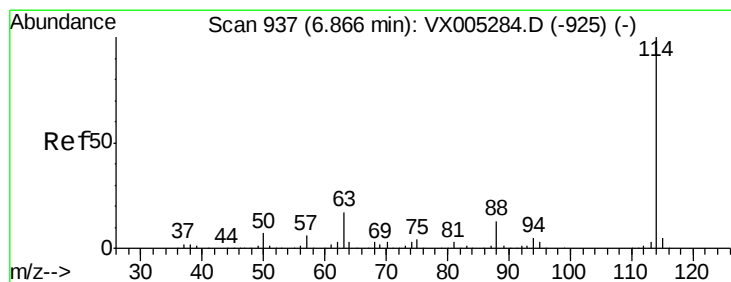
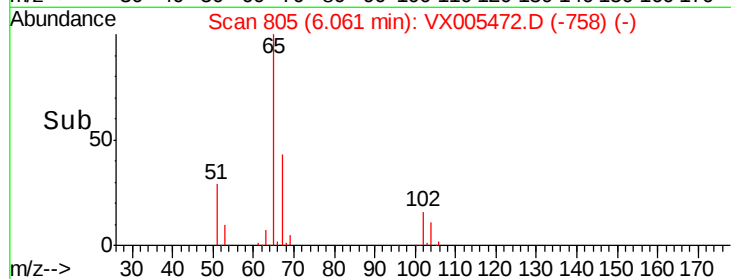
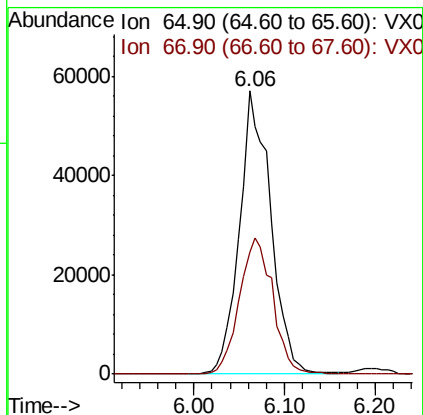
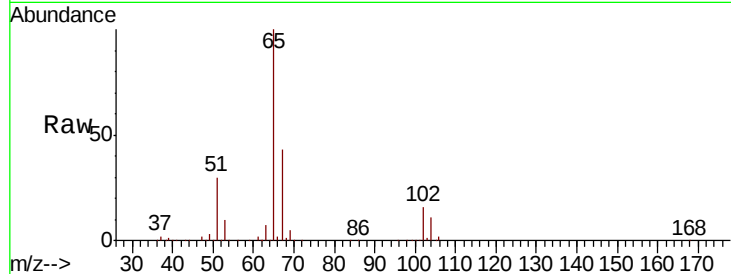
67 51.7 0.0 106.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

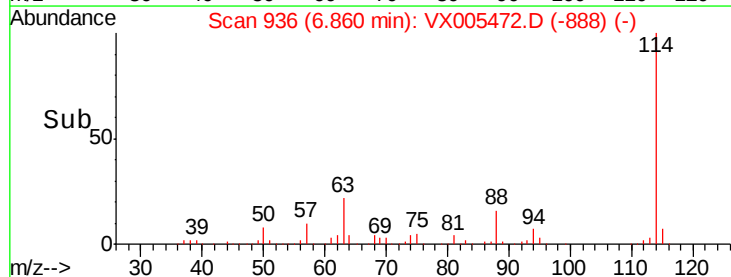
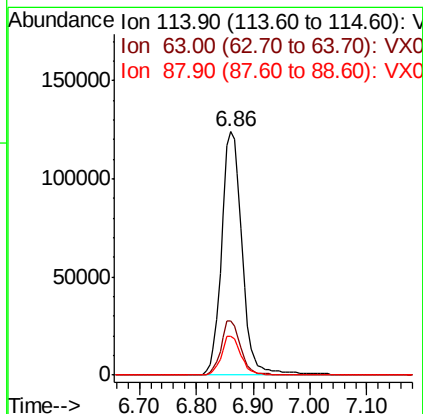
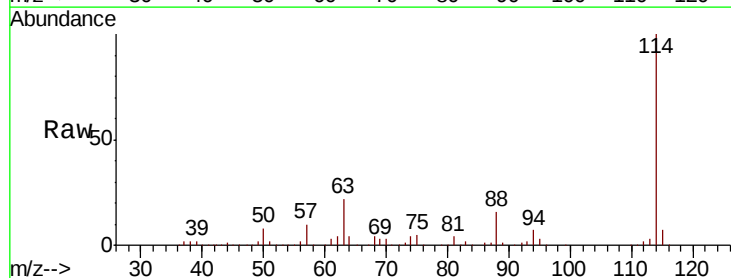
Tgt Ion: 114 Resp: 309944

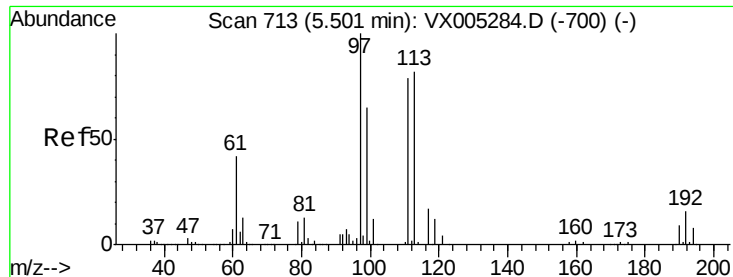
Ion Ratio Lower Upper

114 100

63 22.1 0.0 39.0

88 15.9 0.0 30.4





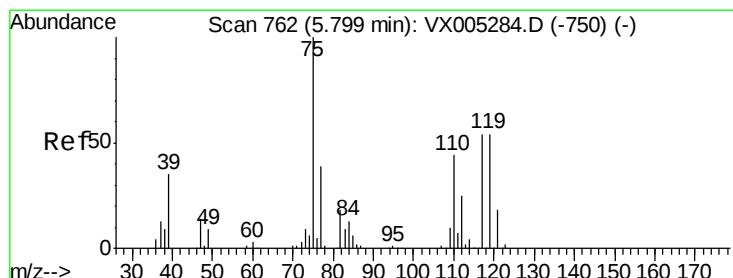
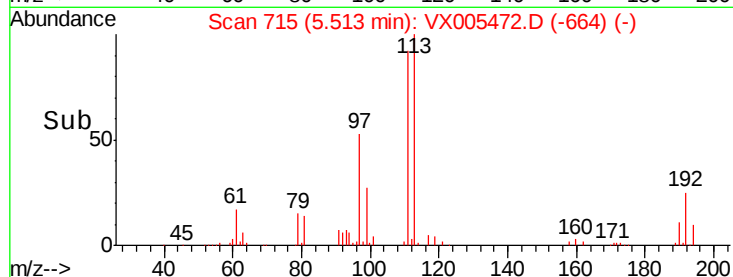
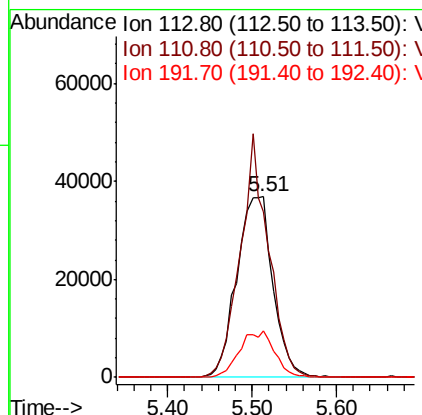
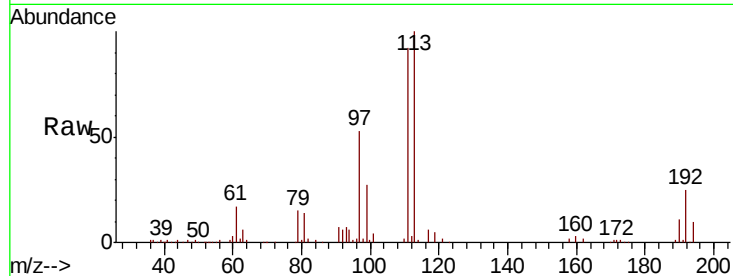
#35
Dibromofluoromethane
Concen: 52.304 ug/l
RT: 5.51 min Scan# 715
Delta R.T. 0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107372		
111	104.8	82.4	123.6	
192	24.6	19.4	29.2	

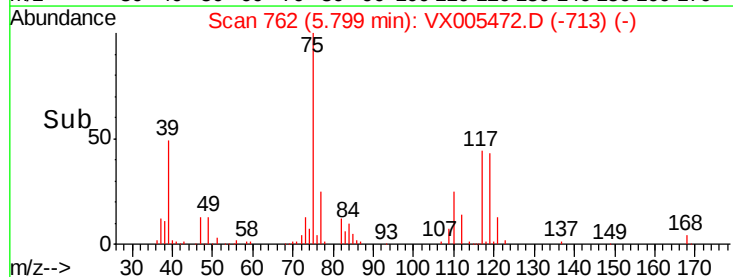
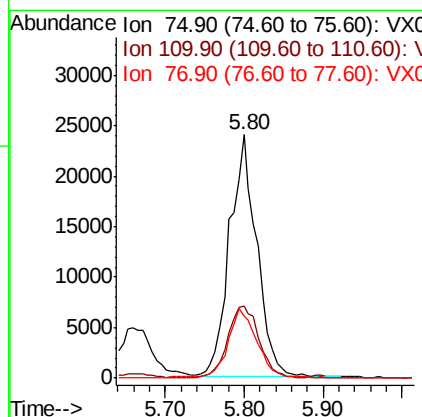
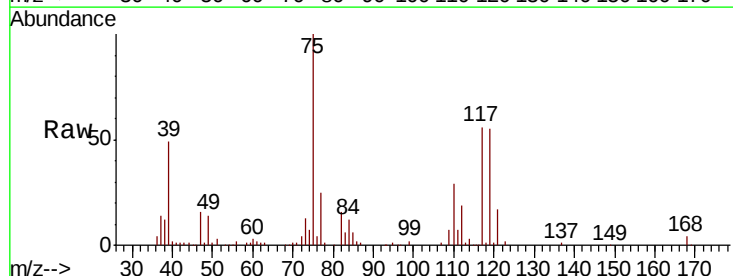
Manual Integrations
APPROVED

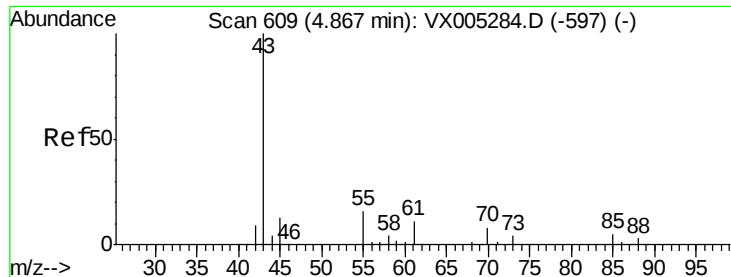
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#36
1,1-Dichloropropene
Concen: 19.302 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57939		
110	34.1	18.0	54.0	
77	28.8	24.6	36.8	





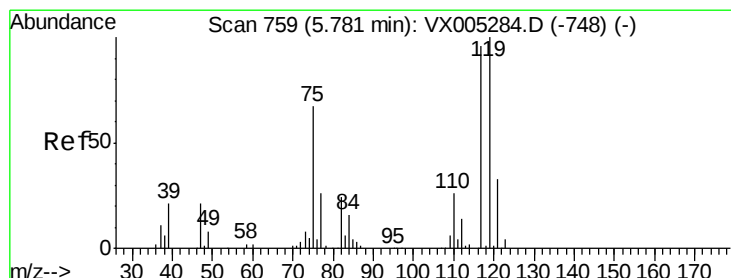
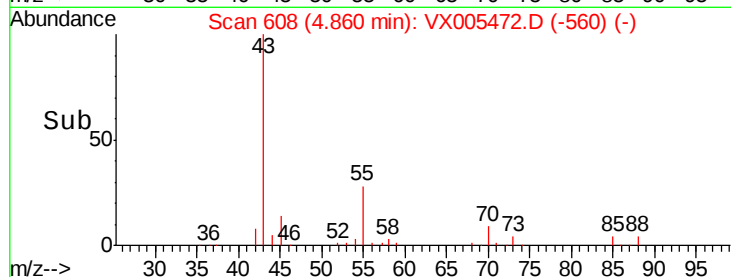
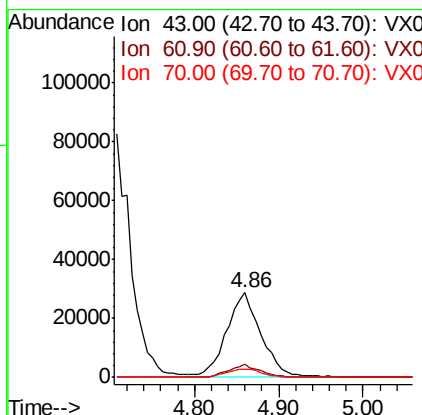
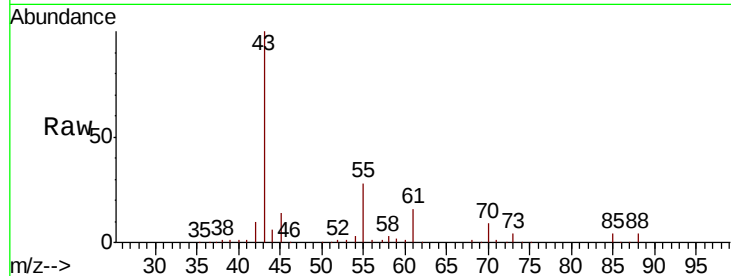
#37
Ethyl Acetate
Concen: 20.476 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.5	17.3
70	10.4	9.0	13.6

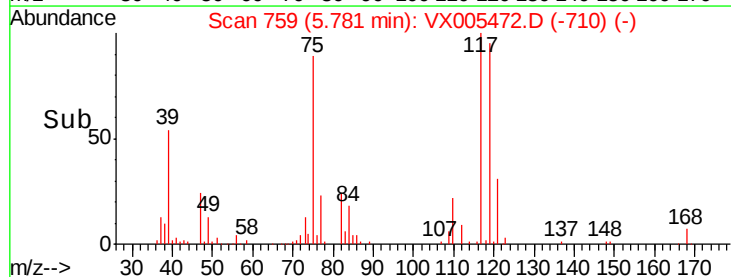
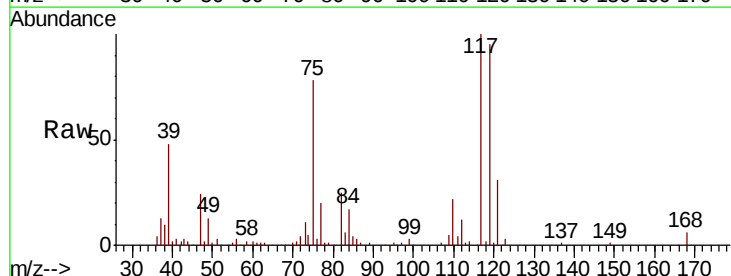
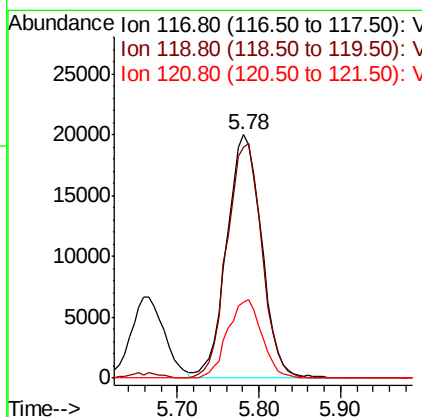
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#38
Carbon Tetrachloride
Concen: 19.683 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.8	118.2
121	31.0	24.9	37.3





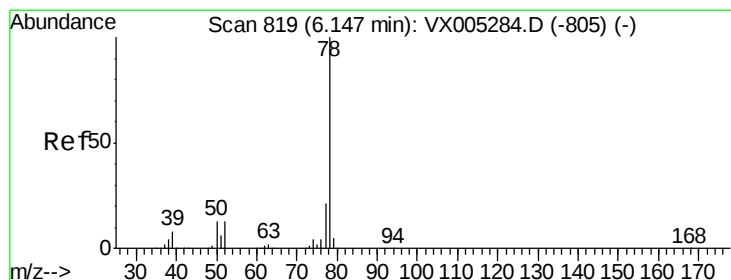
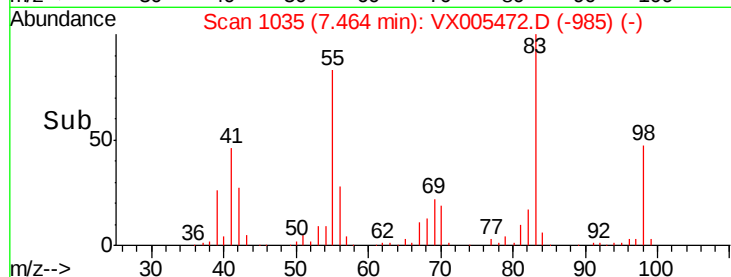
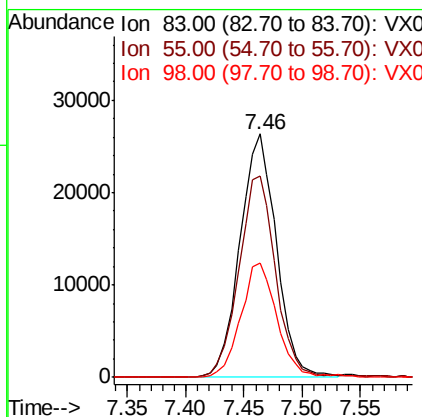
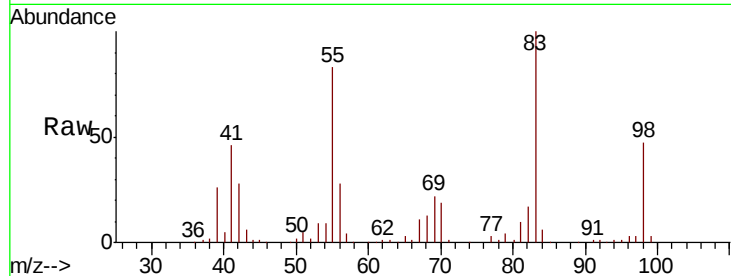
#39
Methvlcvclohexane
Concen: 17.661 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	61.0	91.4
98	47.1	39.6	59.4

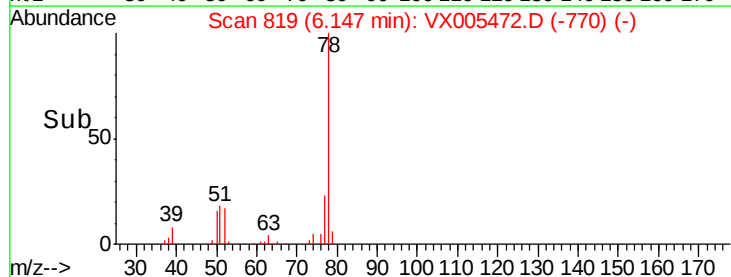
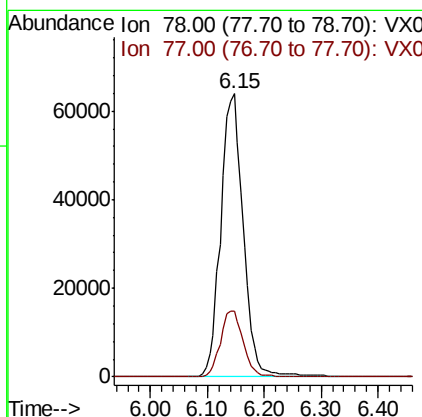
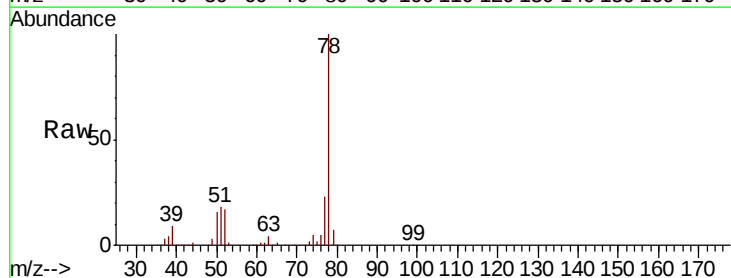
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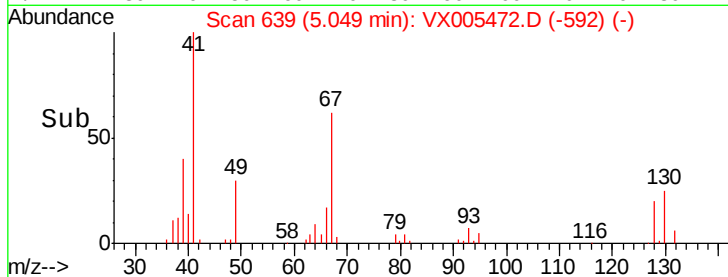
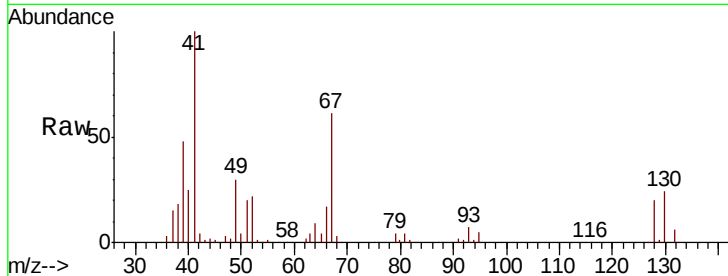
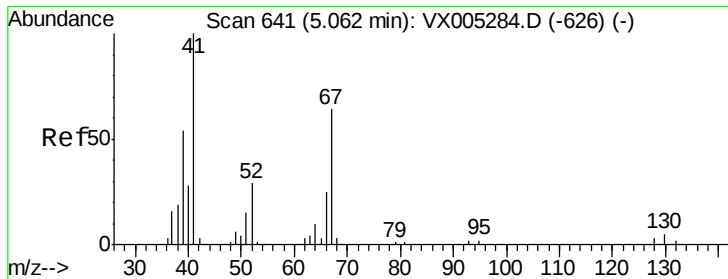
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#40
Benzene
Concen: 19.545 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





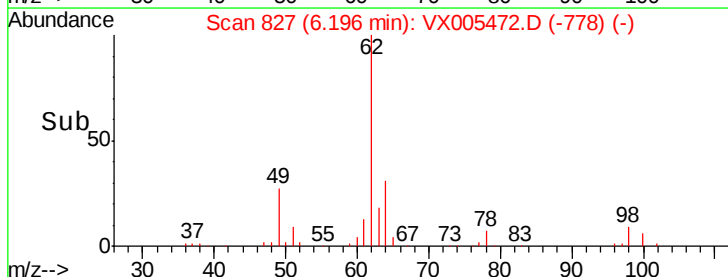
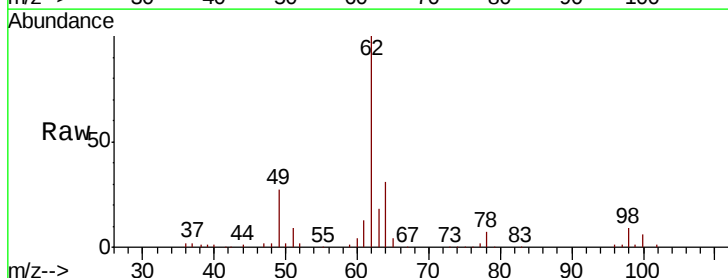
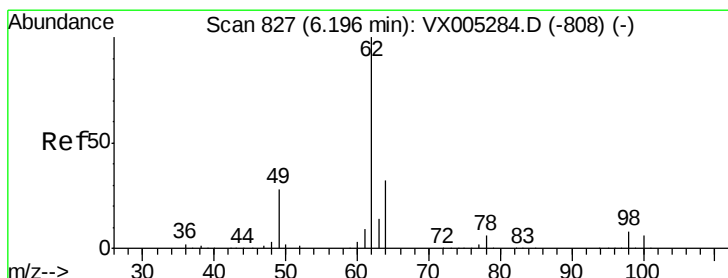
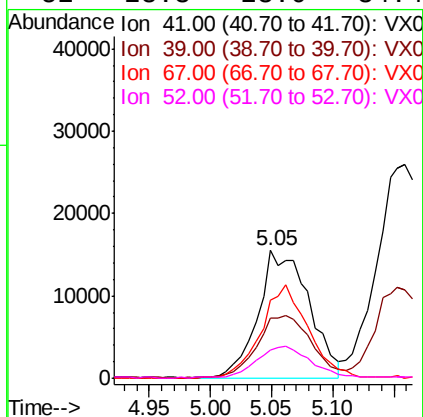
#41
Methacrylonitrile
Concen: 21.604 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.4	63.6	
67	68.4	59.2	88.8	
52	28.3	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

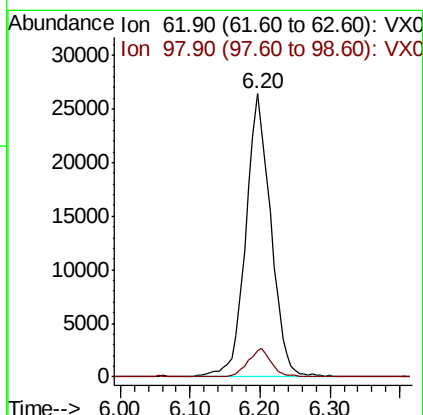
Manual Integrations
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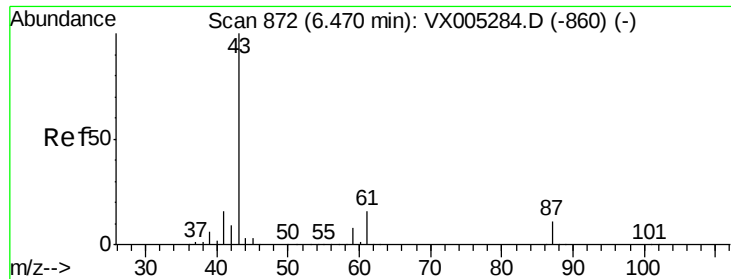
MMDadoda
10/23/2018 1:27:59 PM



#42
1,2-Dichloroethane
Concen: 20.711 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	20.6	





#43

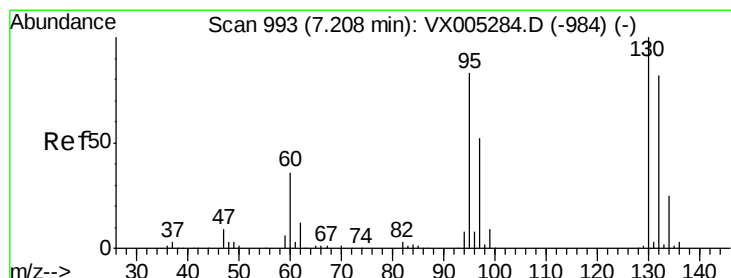
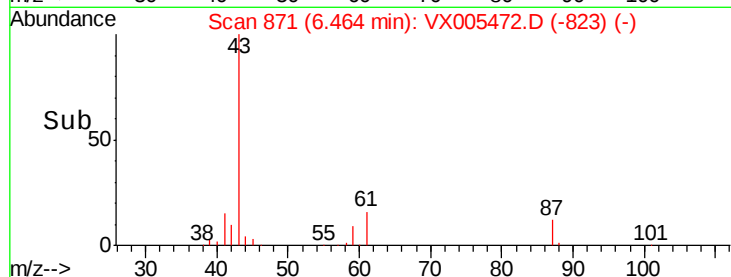
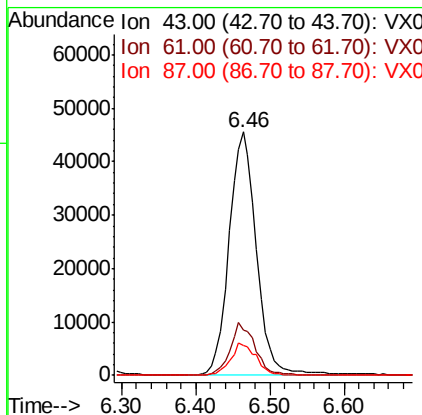
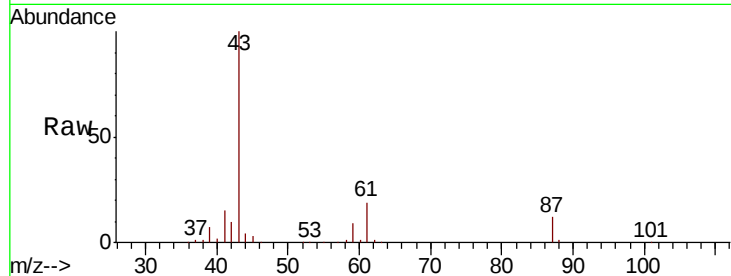
Isopropyl Acetate
 Concen: 22.552 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	17.0	25.4
87	12.6	11.4	17.2

Manual Integrations
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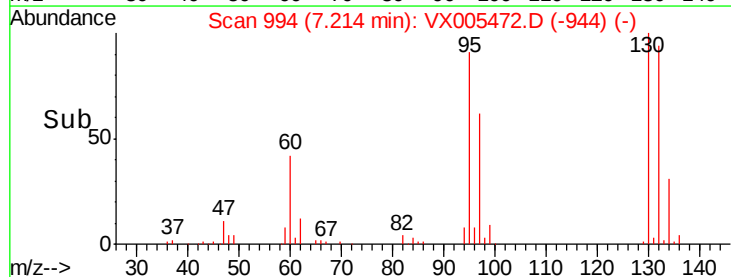
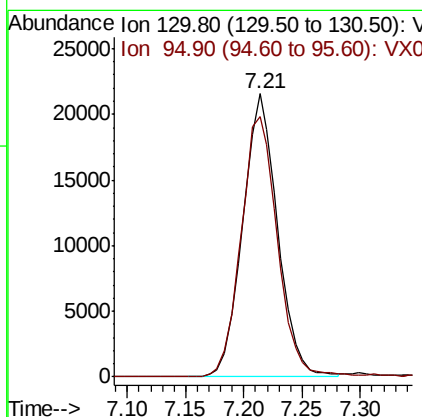
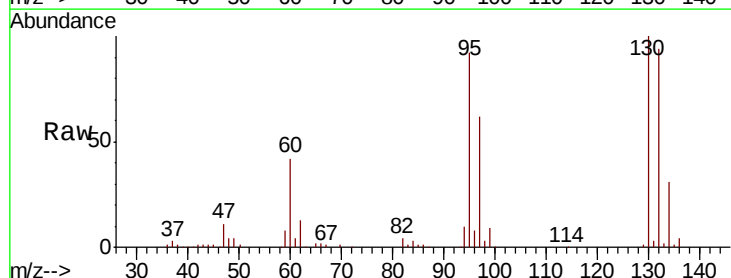
MMDadoda
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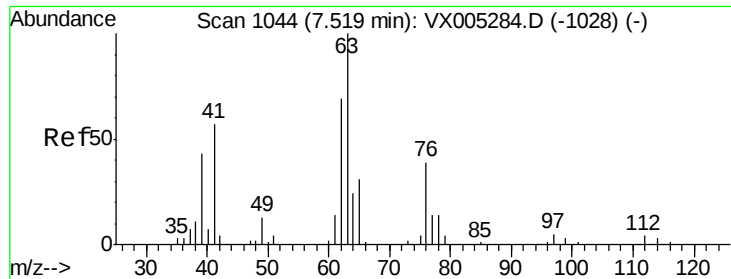


#44

Trichloroethene
 Concen: 19.121 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	181.6





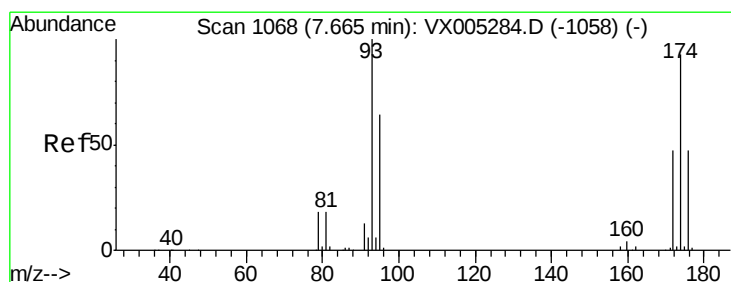
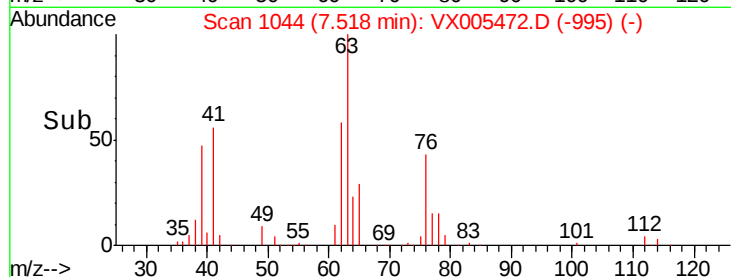
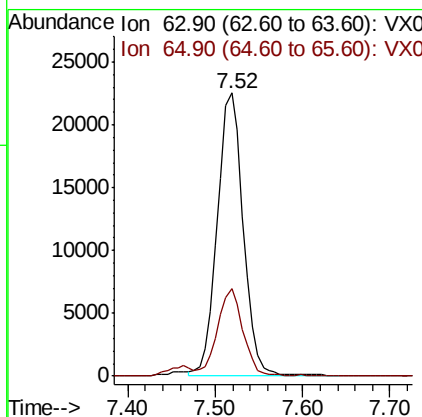
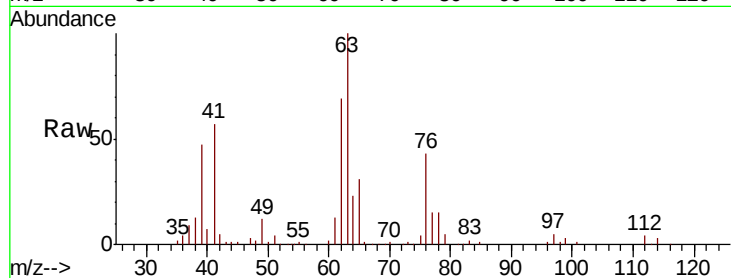
#45
 1,2-Dichloropropane
 Concen: 21.088 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Tot Ion: 63 Resp: 46580
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.3 36.5

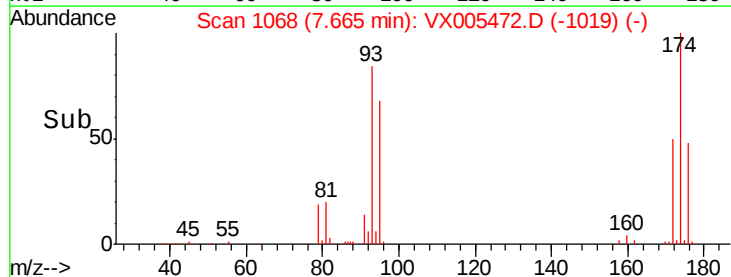
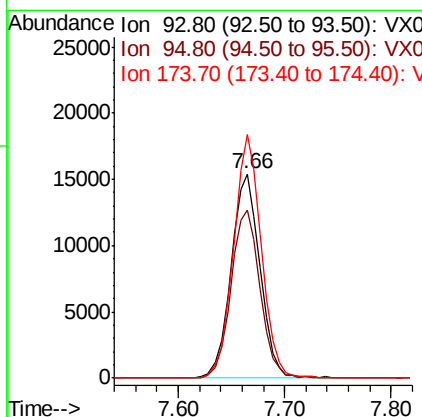
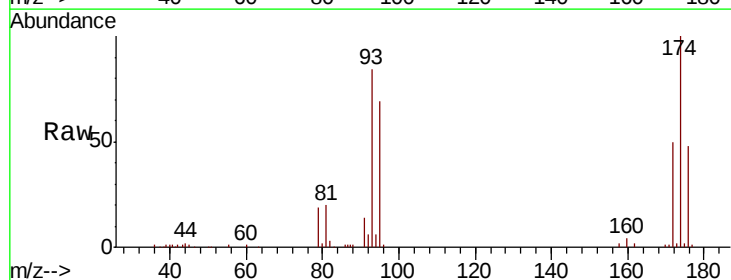
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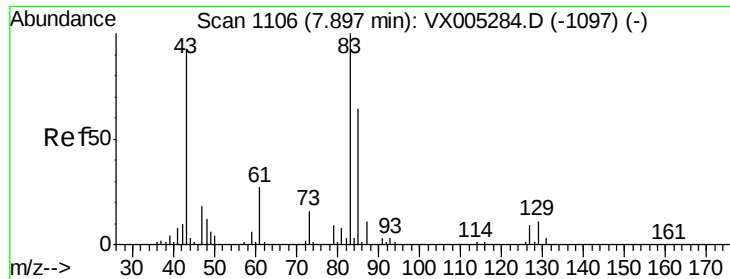
MMDadoda
 10/23/2018 1:27:59 PM



#46
 Dibromomethane
 Concen: 20.088 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Tgt Ion: 93 Resp: 29285
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.5 98.3
 174 114.7 94.2 141.4





#47

Bromodichloromethane

Concen: 21.590 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

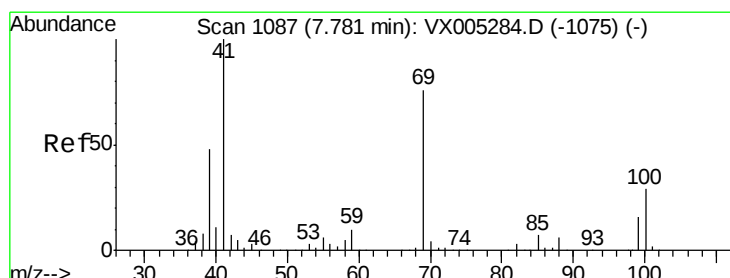
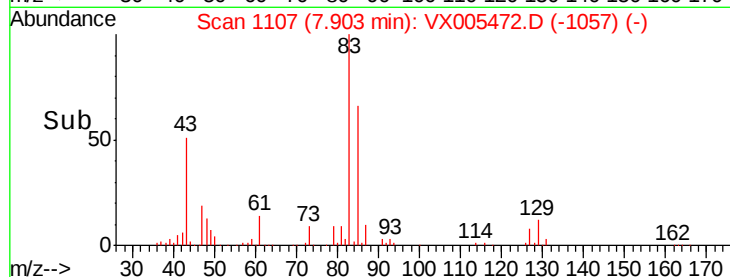
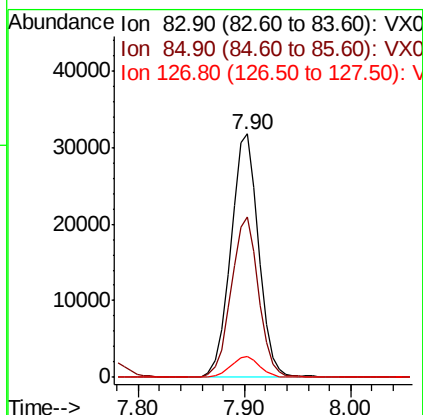
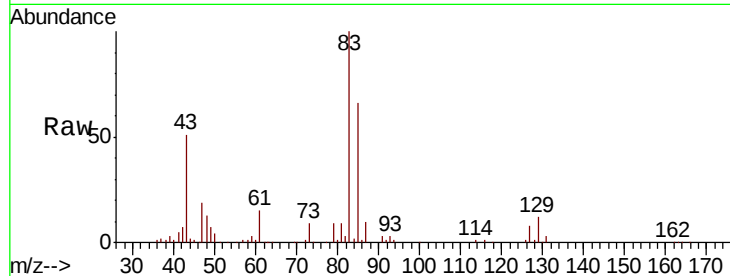
ClientSampleId :

VX1022WBSD01

Tot Ion:	83	Resp:	58220
Ion Ratio	Lower	Upper	
83	100		
85	65.7	50.9	76.3
127	8.5	7.3	10.9

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#48

Methyl methacrylate

Concen: 21.494 ug/l

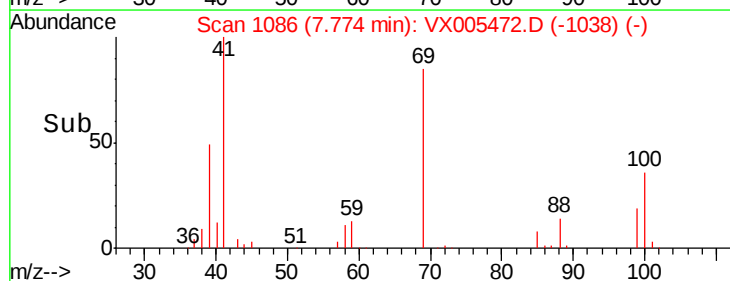
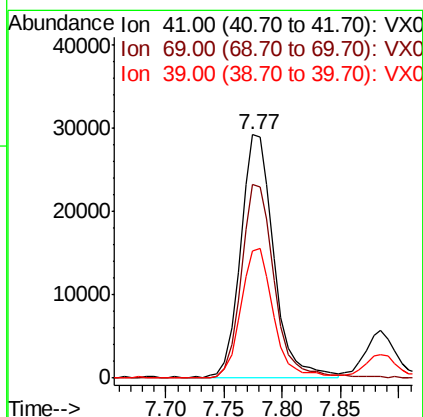
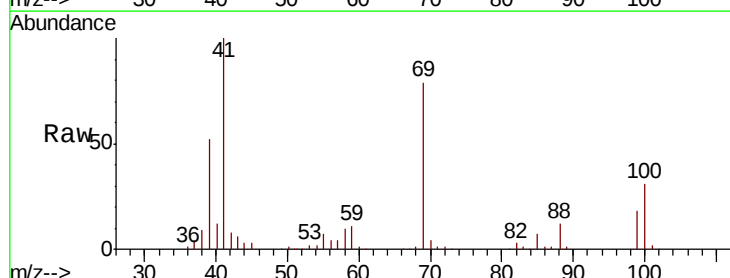
RT: 7.77 min Scan# 1086

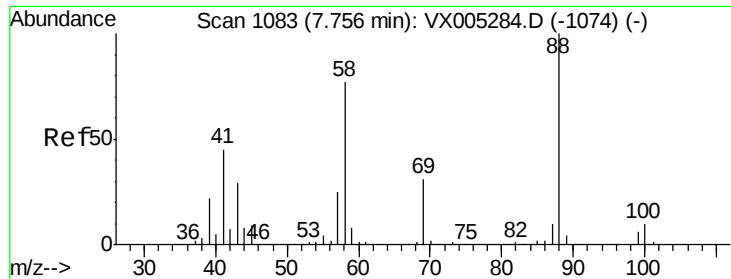
Delta R.T. -0.01 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Tgt Ion:	41	Resp:	57326
Ion Ratio	Lower	Upper	
41	100		
69	80.6	70.2	105.4
39	52.6	42.7	64.1





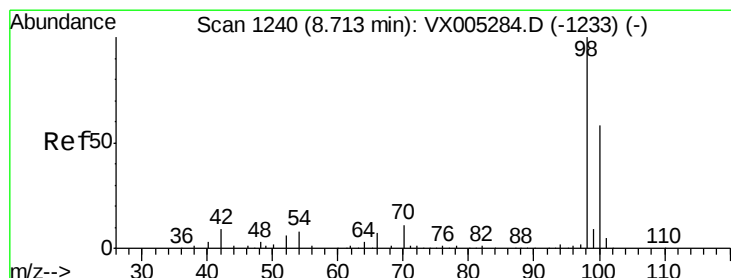
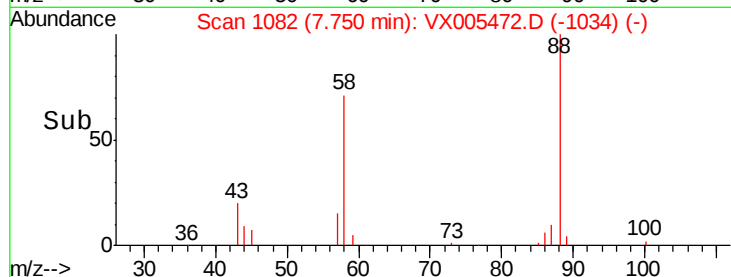
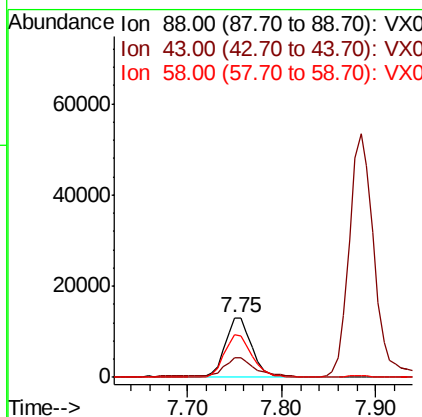
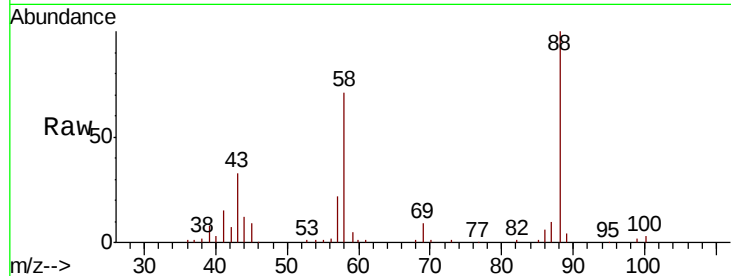
#49
1,4-Dioxane
Concen: 416.184 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	24.7	37.1
58	74.2	55.3	82.9

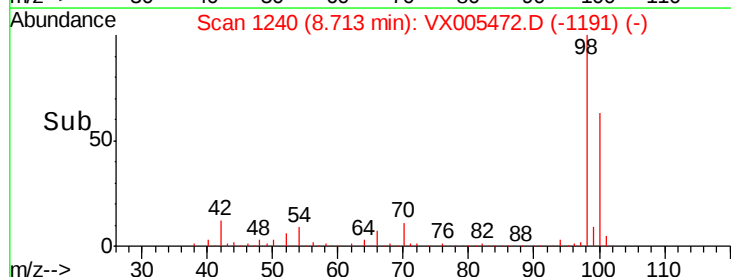
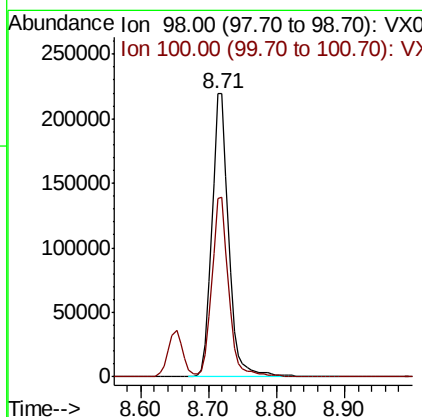
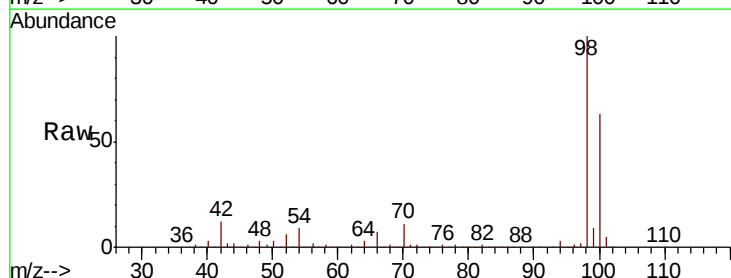
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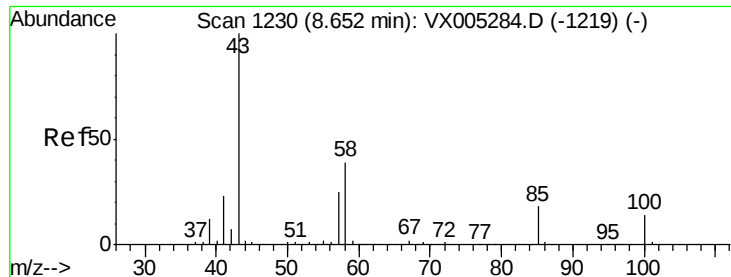
MMDadoda
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#50
Toluene-d8
Concen: 53.317 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 113.715 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 43 Resp: 404899

Ion Ratio Lower Upper

43 100

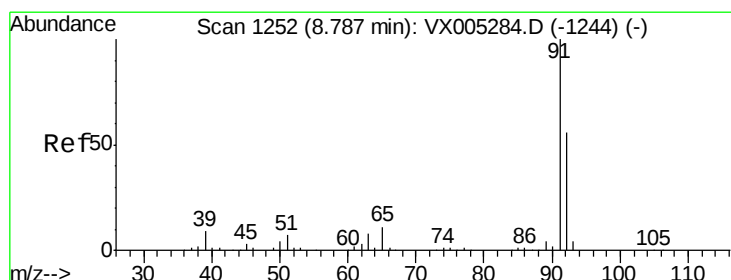
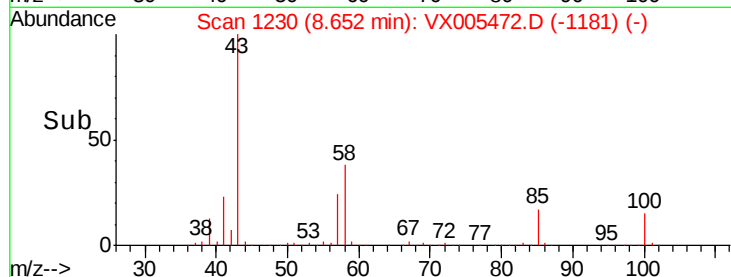
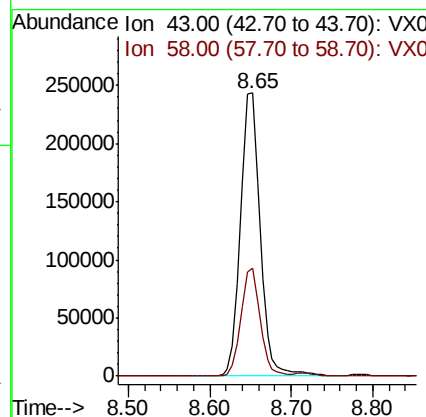
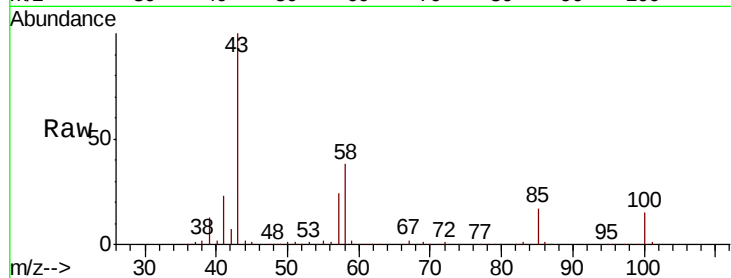
58 36.8 33.1 49.7

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#52

Toluene

Concen: 21.289 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005472.D

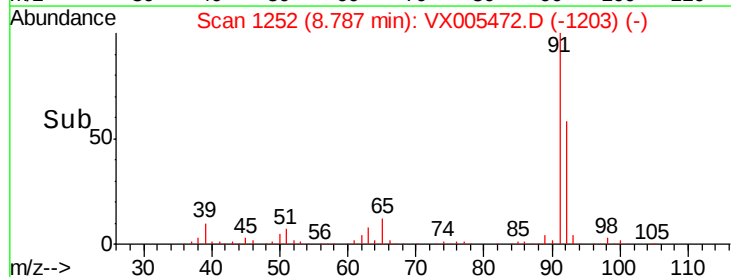
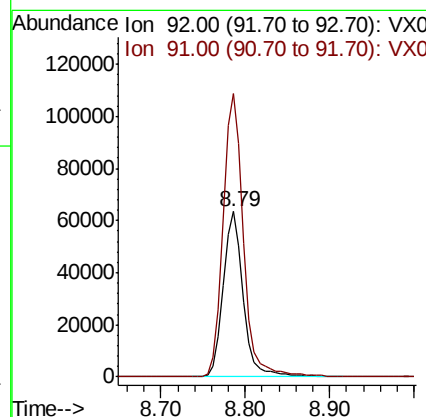
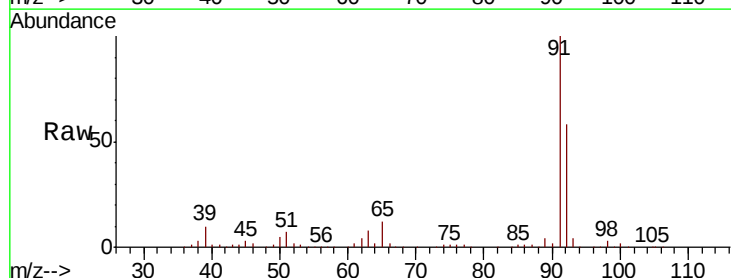
Acq: 22 Oct 2018 16:06

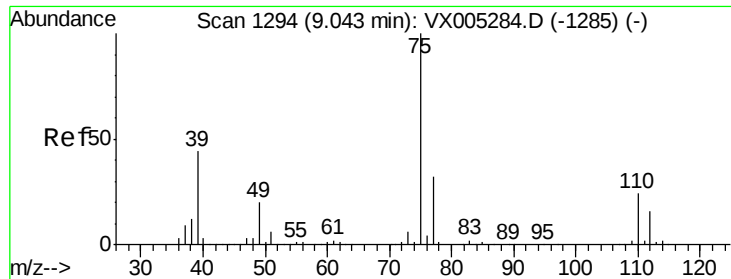
Tgt Ion: 92 Resp: 104880

Ion Ratio Lower Upper

92 100

91 174.0 136.4 204.6





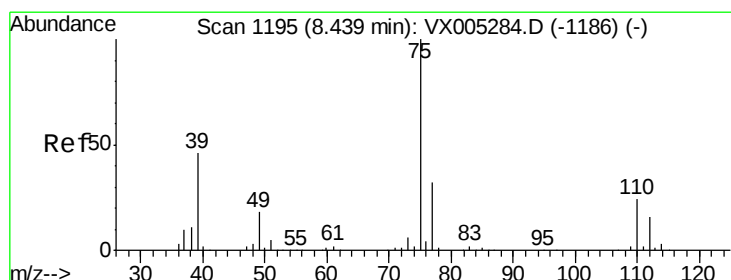
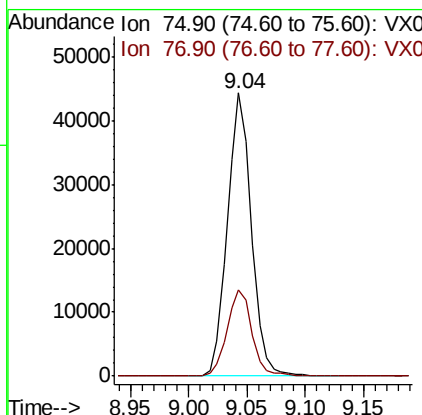
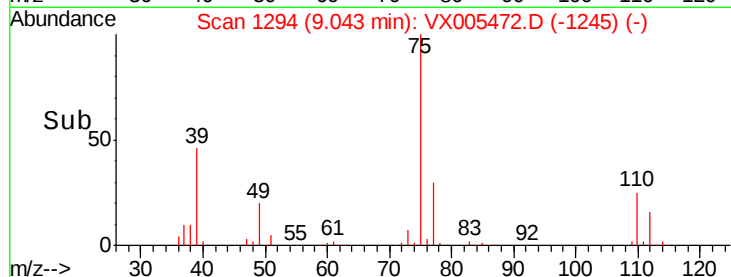
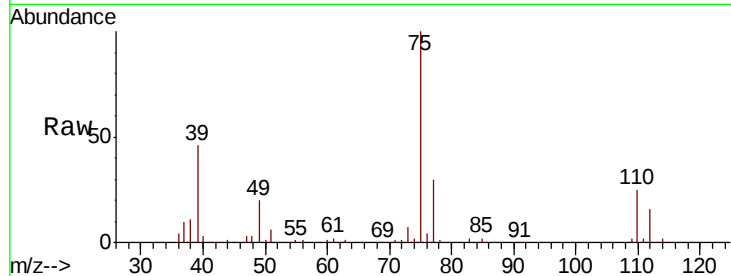
#53
 t-1,3-Dichloropropene
 Concen: 21.789 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Tot Ion: 75 Resp: 63587
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.6 37.0

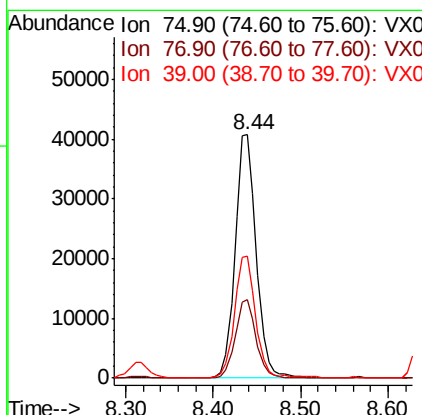
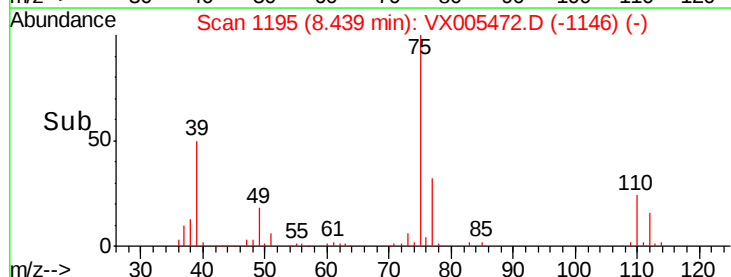
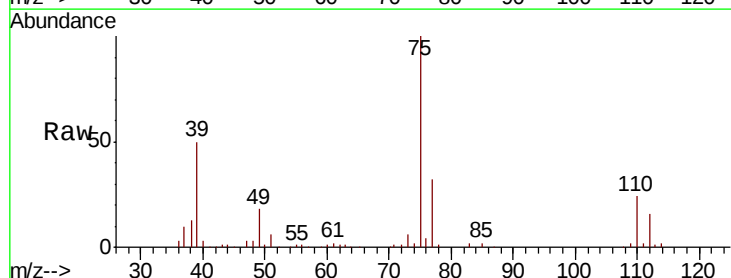
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#54
 cis-1,3-Dichloropropene
 Concen: 21.743 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Tgt Ion: 75 Resp: 68754
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2
 39 49.7 36.4 54.6





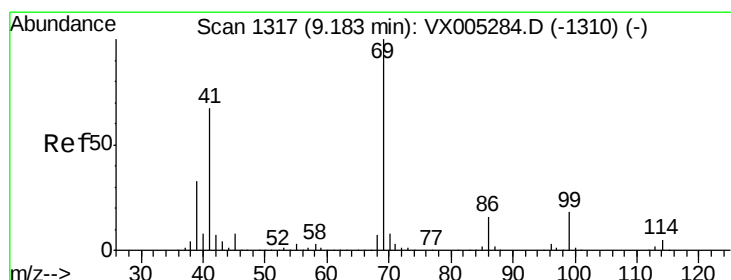
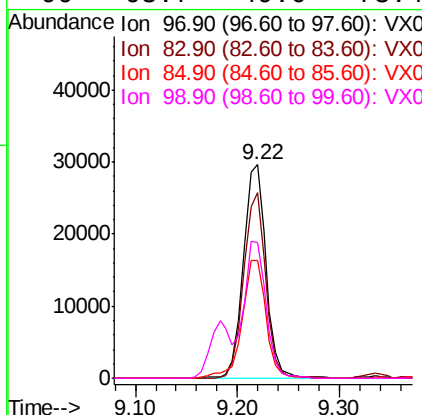
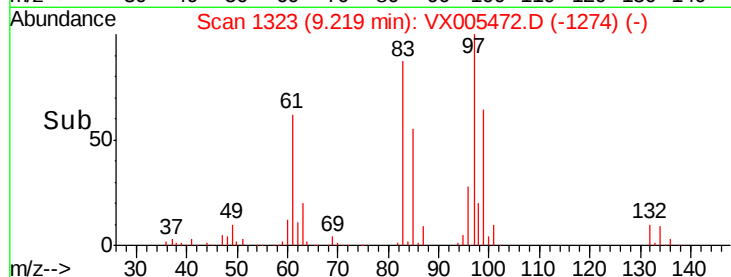
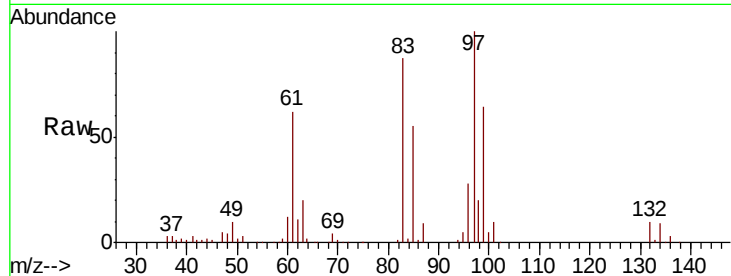
#55
 1,1,2-Trichloroethane
 Concen: 21.826 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Tot Ion:	97	Resp:	45543
Ion	Ratio	Lower	Upper
97	100		
83	86.9	66.4	99.6
85	55.0	43.3	64.9
99	63.7	49.0	73.4

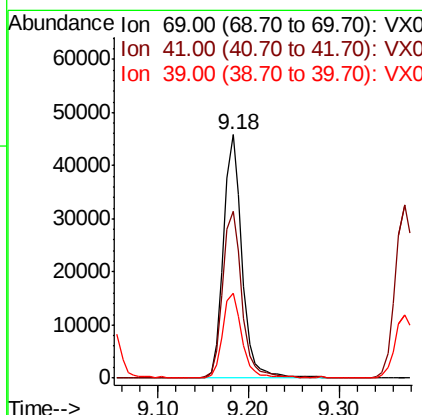
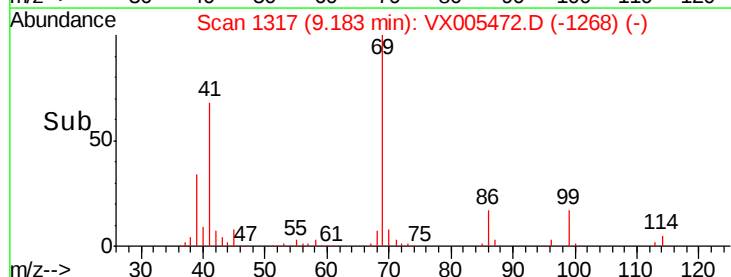
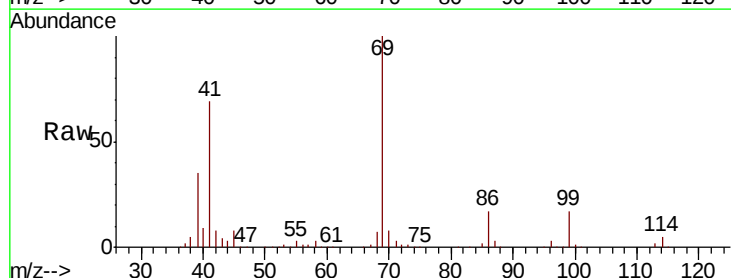
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#56
 Ethyl methacrylate
 Concen: 21.538 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Tgt Ion:	69	Resp:	65516
Ion	Ratio	Lower	Upper
69	100		
41	70.7	51.0	76.4
39	35.1	26.1	39.1





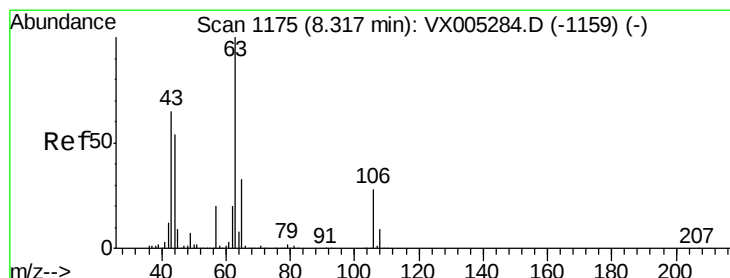
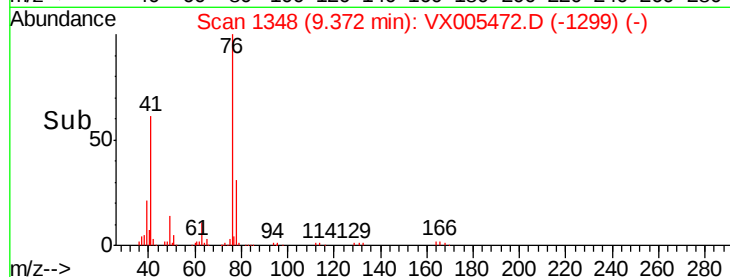
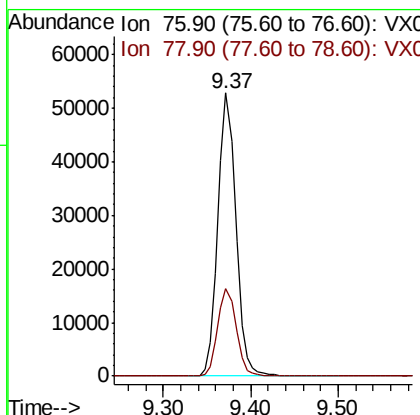
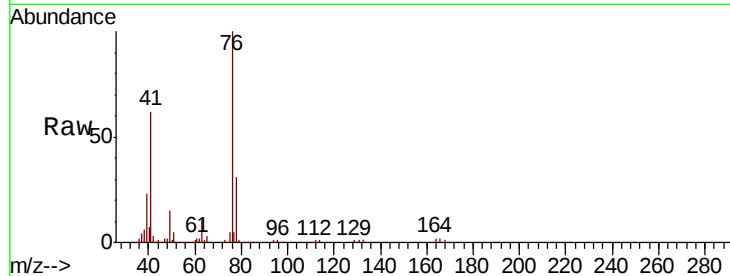
#57
 1,3-Dichloropropane
 Concen: 21.696 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

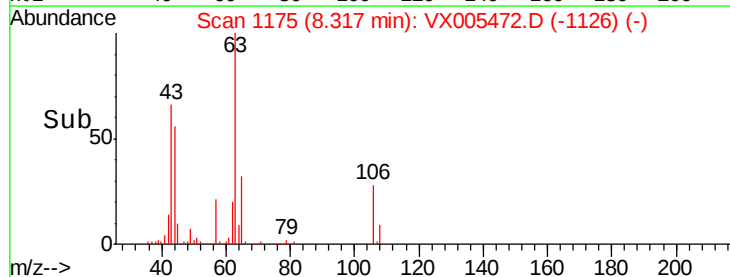
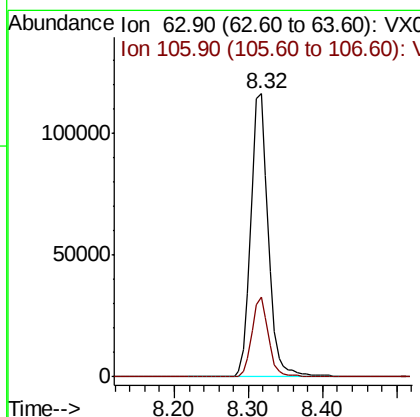
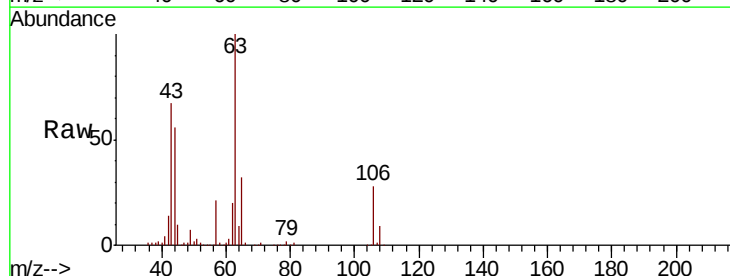
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.105 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	23.9	35.9





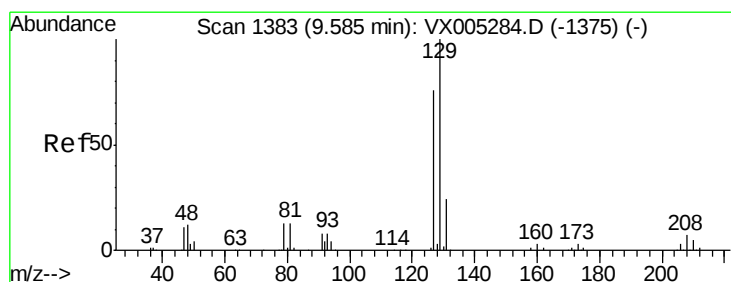
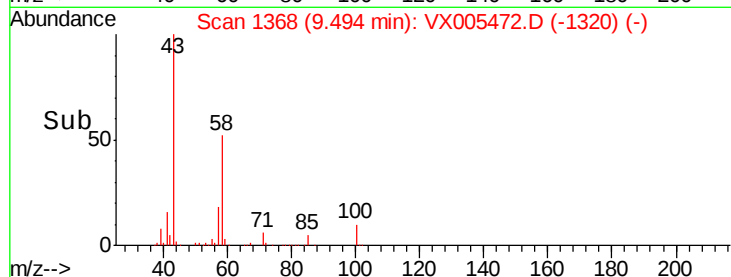
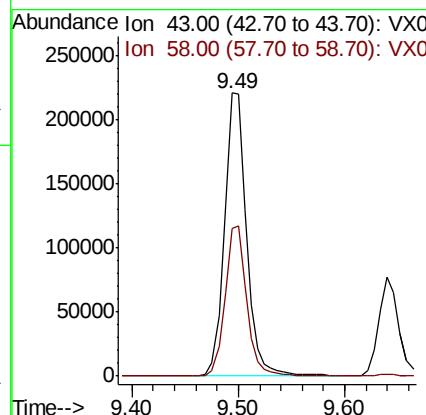
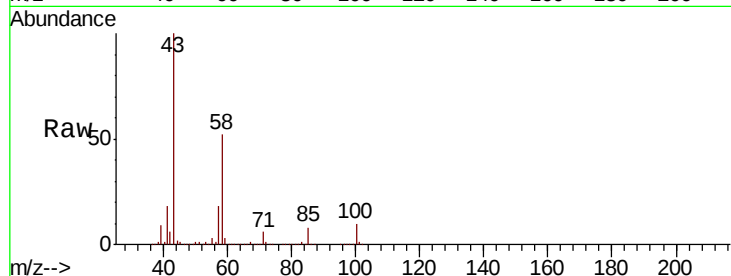
#59
2-Hexanone
Concen: 111.499 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion: 43 Resp: 319357
Ion Ratio Lower Upper
43 100
58 52.1 29.0 87.0

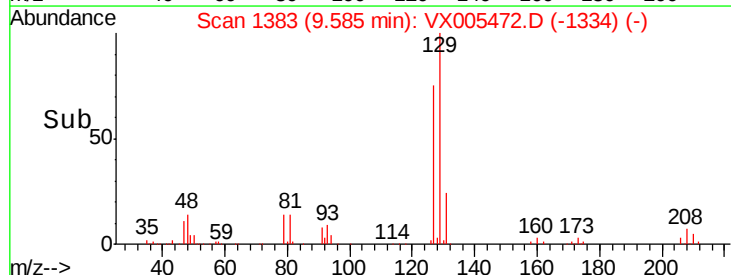
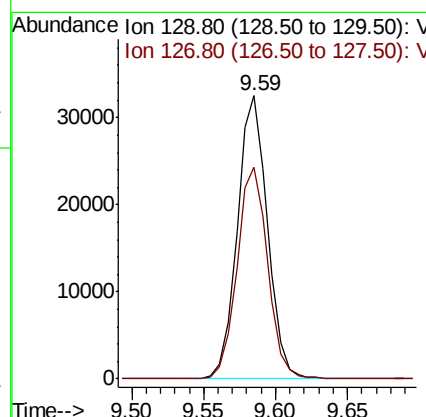
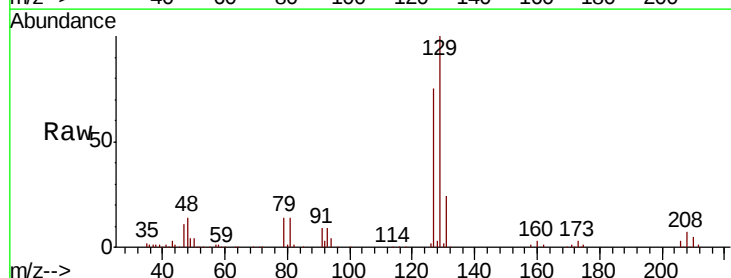
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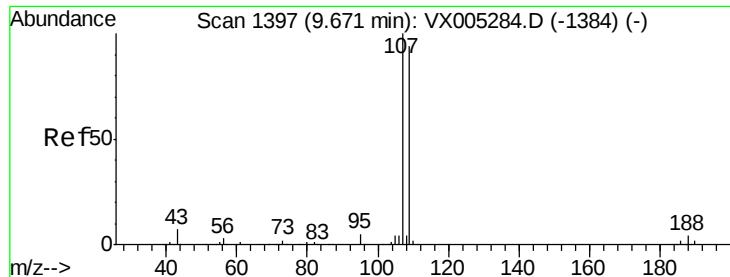
MMDadoda
10/23/2018 1:27:59 PM



#60
Dibromochloromethane
Concen: 21.923 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion: 129 Resp: 47284
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.183 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion:107 Resp: 46388

Ion Ratio Lower Upper

107 100

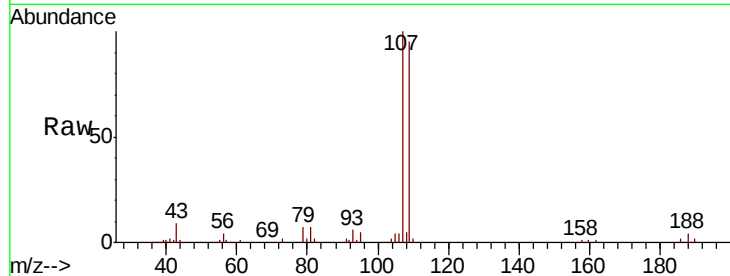
109 94.6 76.0 114.0

Manual Integrations

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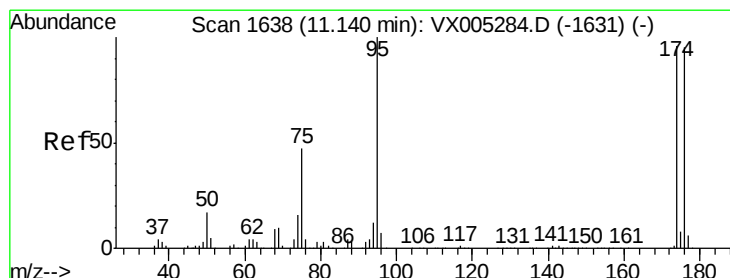
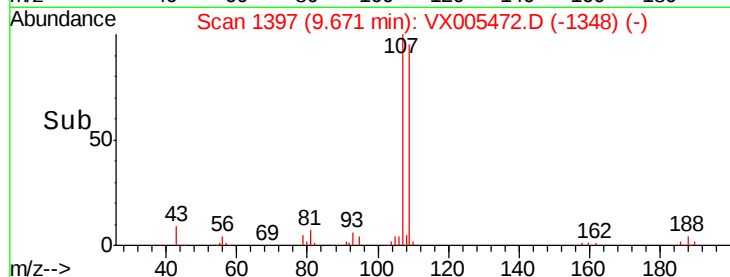
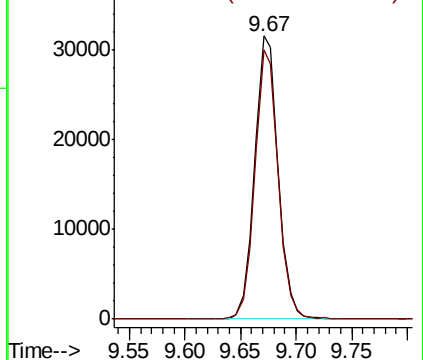
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.662 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

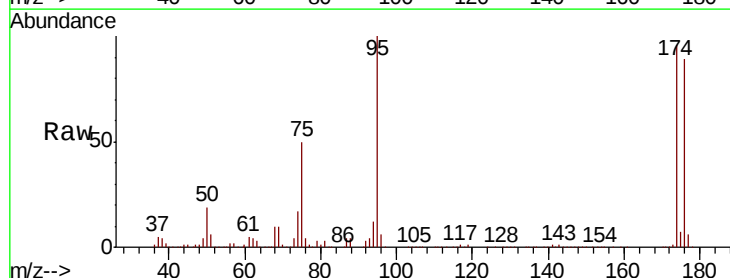
Tgt Ion: 95 Resp: 139424

Ion Ratio Lower Upper

95 100

174 92.3 0.0 185.2

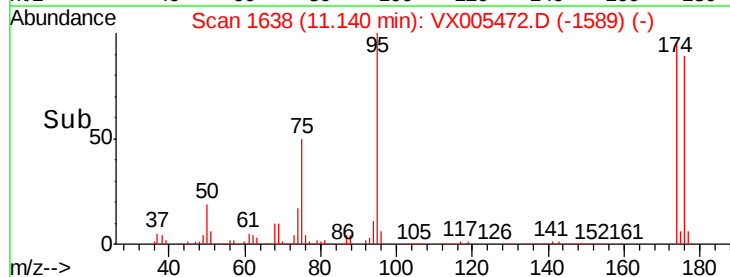
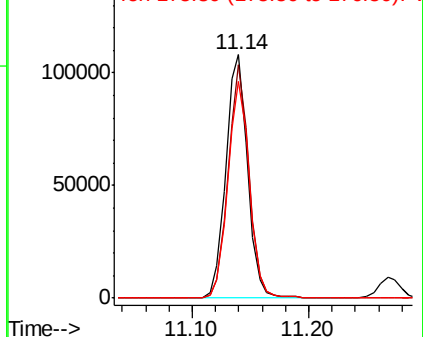
176 88.8 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





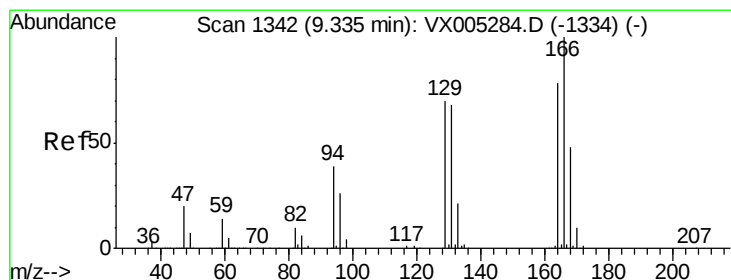
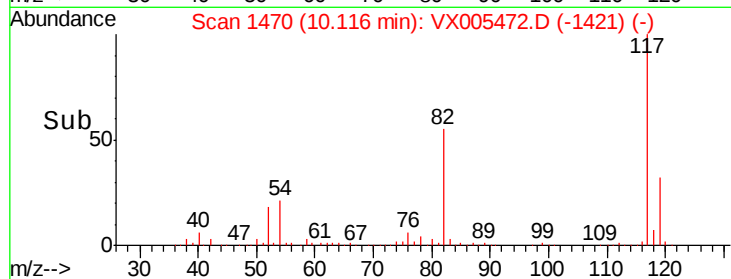
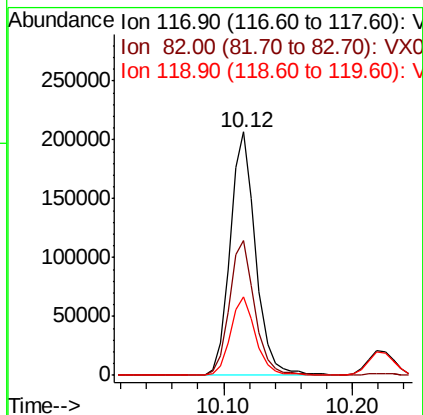
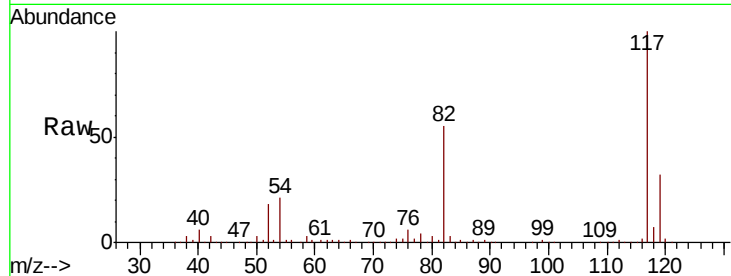
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	47.8	71.6
119	32.2	29.3	43.9

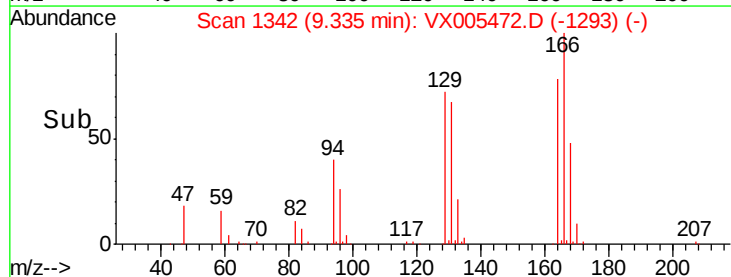
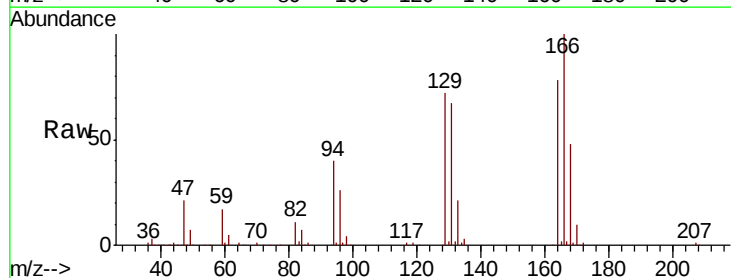
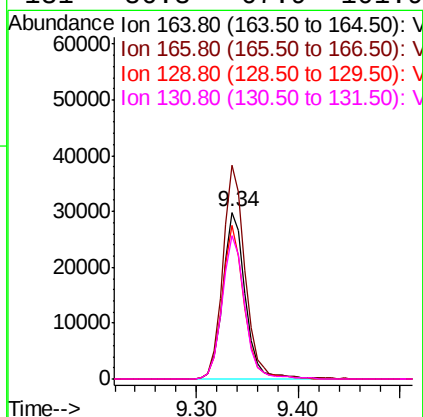
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#64
Tetrachloroethene
Concen: 19.837 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.8	154.2
129	92.0	69.4	104.0
131	86.3	67.9	101.9





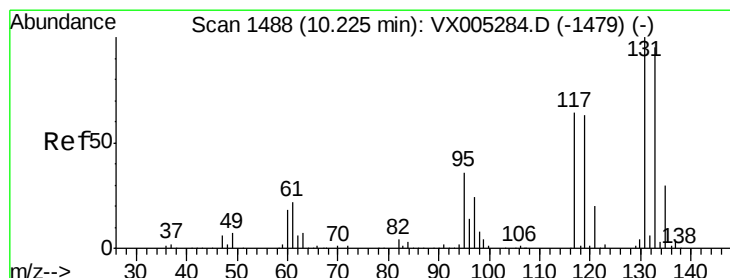
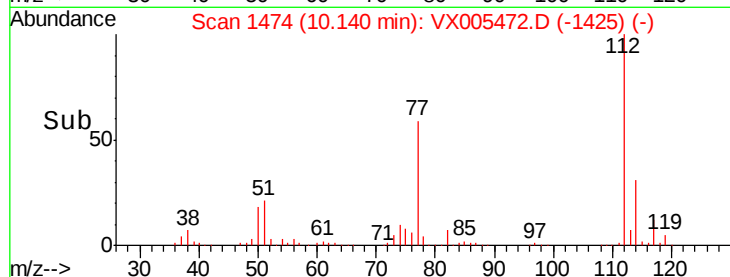
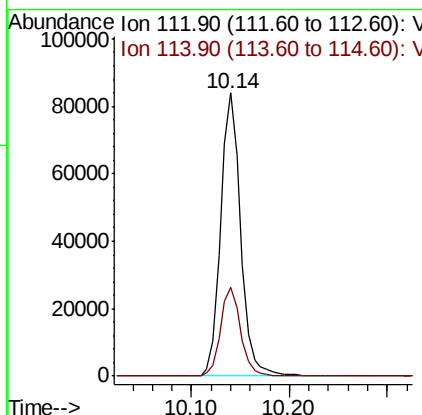
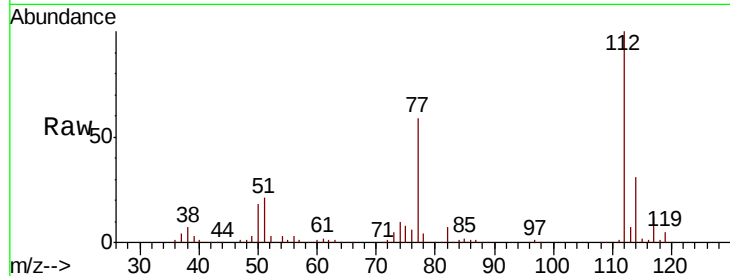
#65
Chlorobenzene
Concen: 19.689 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion:112 Resp: 119656
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.8

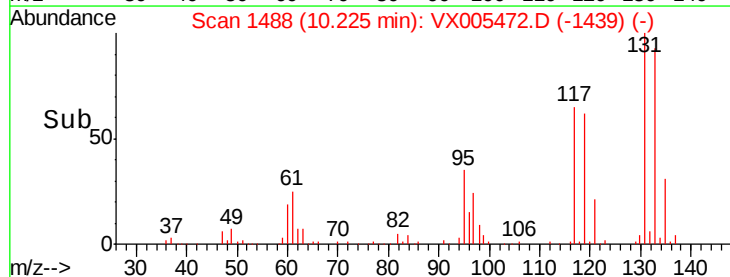
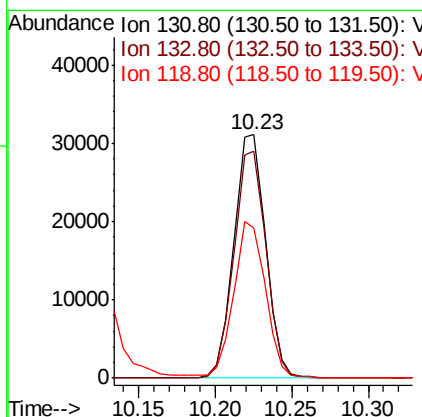
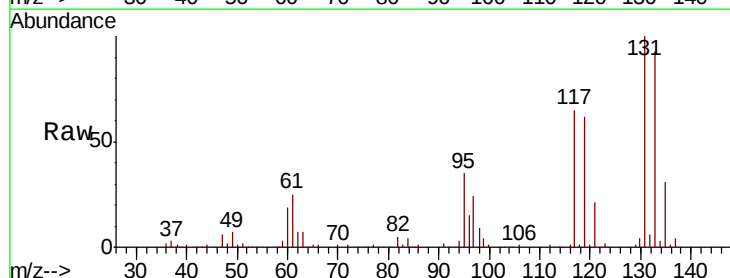
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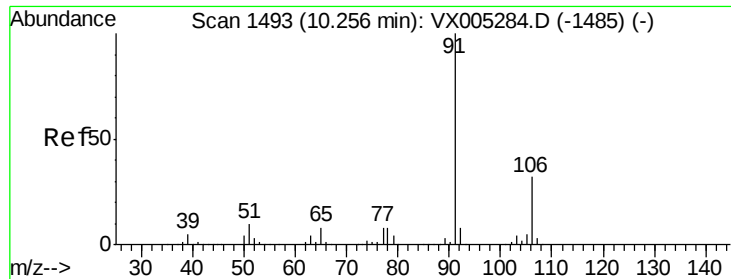
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.696 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion:131 Resp: 44822
Ion Ratio Lower Upper
131 100
133 94.1 48.1 144.4
119 64.5 32.9 98.6





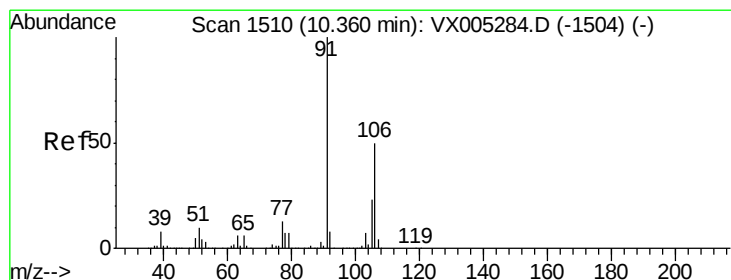
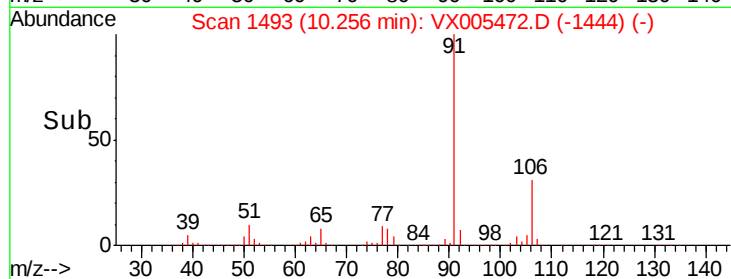
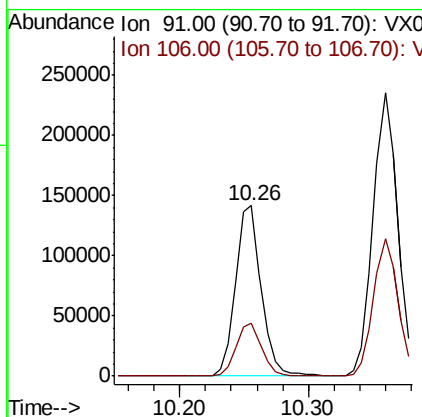
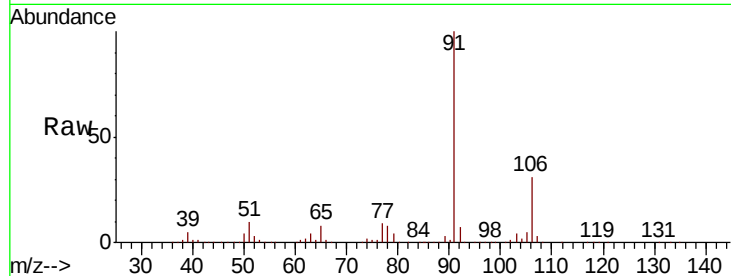
#67
Ethyl Benzene
Concen: 19.884 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion: 91 Resp: 196449
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9

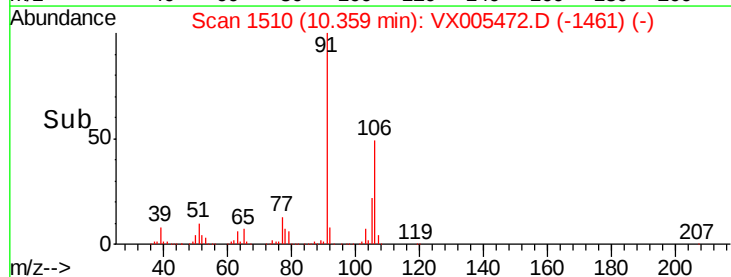
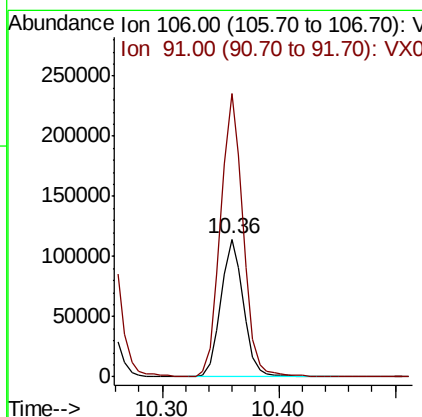
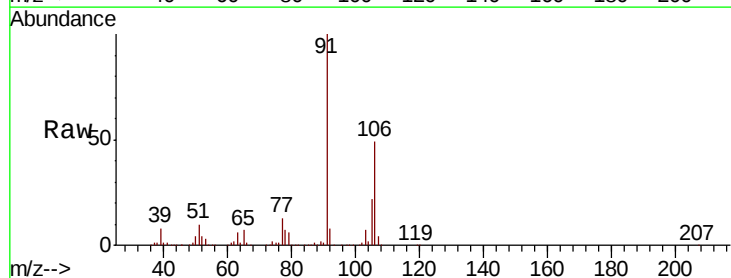
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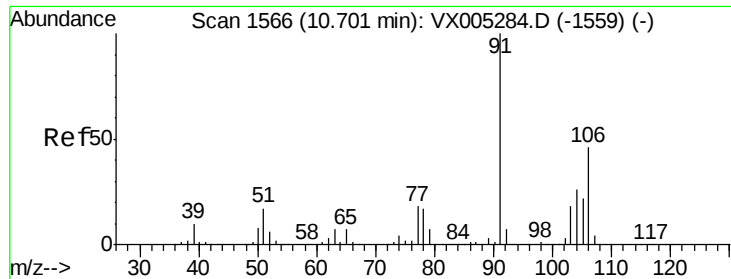
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#68
m/p-Xylenes
Concen: 39.843 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion: 106 Resp: 152786
Ion Ratio Lower Upper
106 100
91 207.1 157.1 235.7





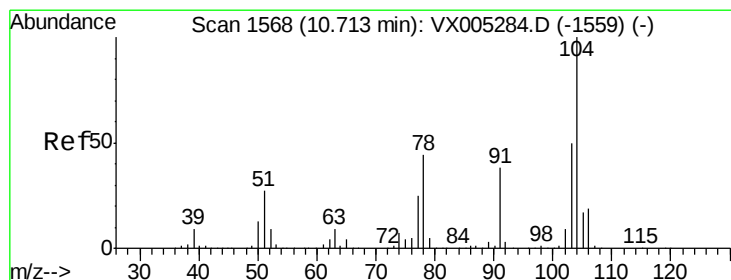
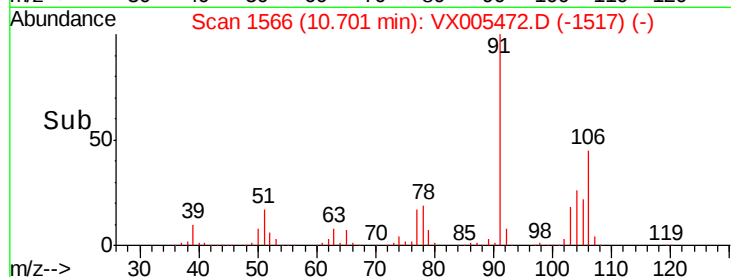
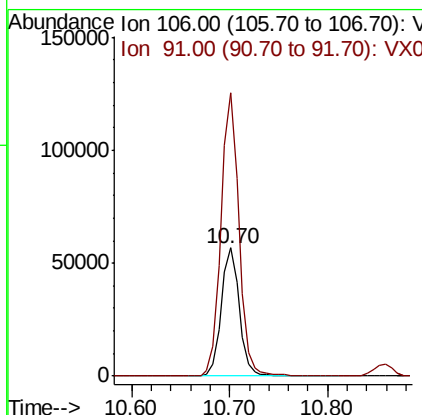
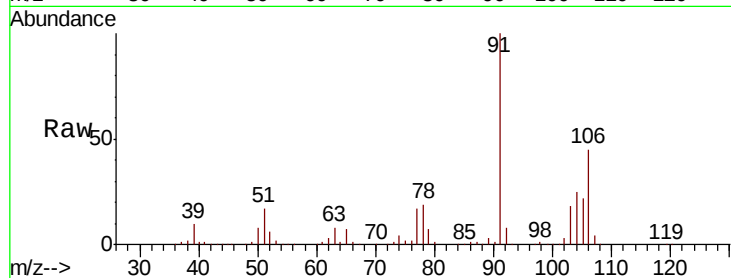
#69
o-Xylene
Concen: 19.685 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion:106 Resp: 72801
Ion Ratio Lower Upper
106 100
91 220.3 105.1 315.1

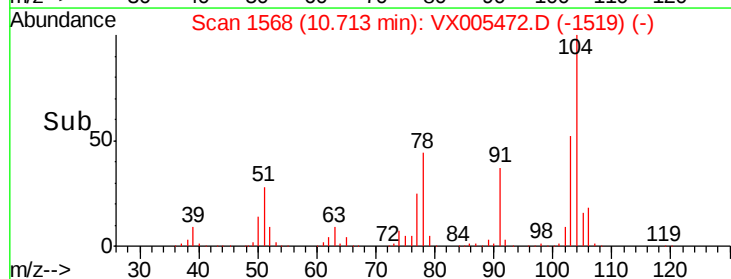
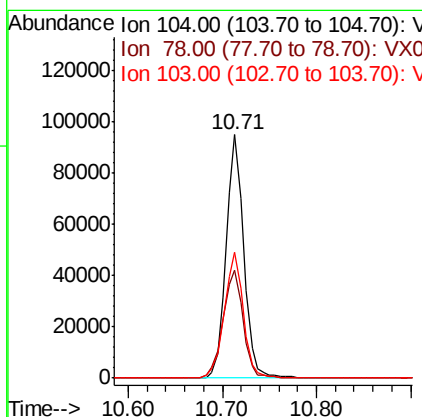
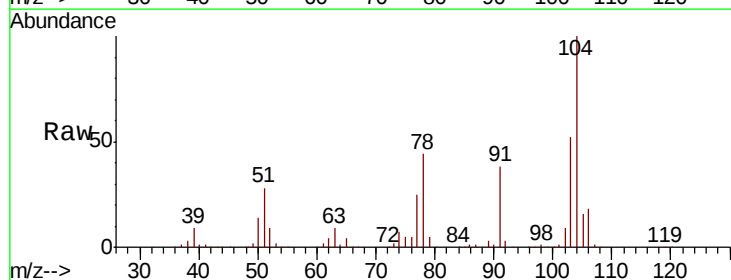
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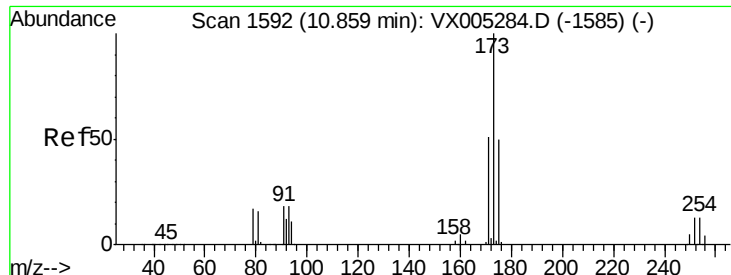
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#70
Styrene
Concen: 20.348 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion:104 Resp: 123776
Ion Ratio Lower Upper
104 100
78 50.7 37.4 56.0
103 55.8 43.8 65.6





#71

Bromoform

Concen: 19.617 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion:173 Resp: 37965

Ion Ratio Lower Upper

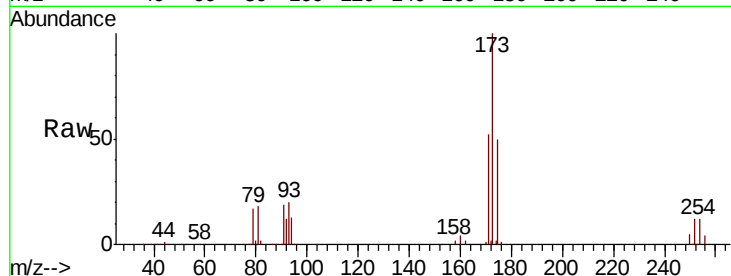
173 100

175 49.1 24.1 72.3

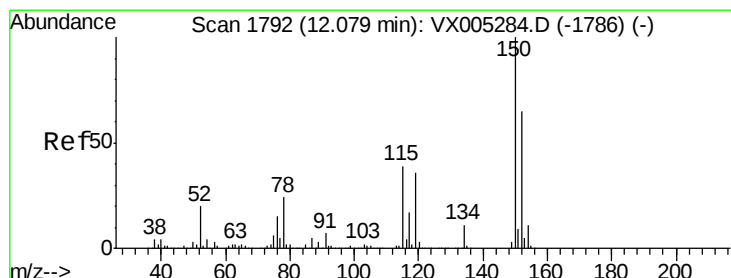
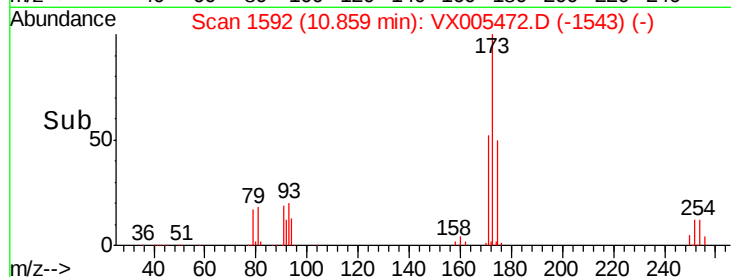
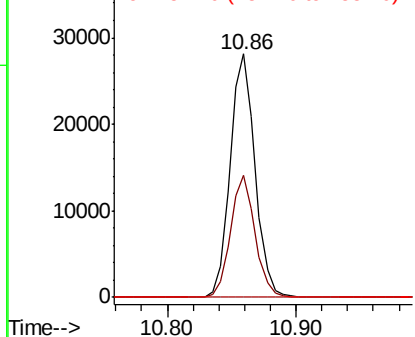
254 0.1 0.2 0.2#

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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: VX005472.D

Acq: 22 Oct 2018 16:06

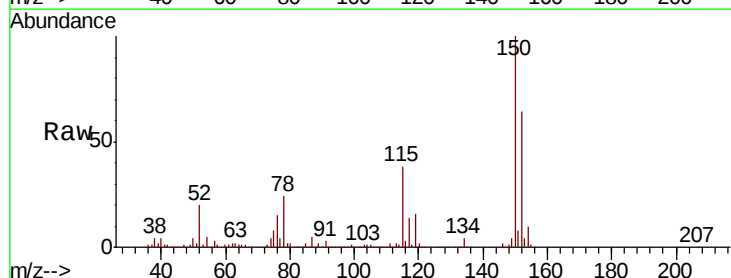
Tgt Ion:152 Resp: 160523

Ion Ratio Lower Upper

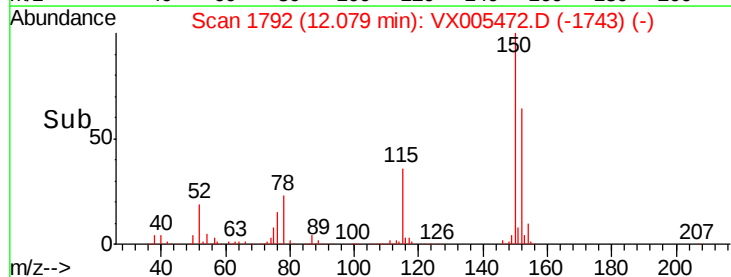
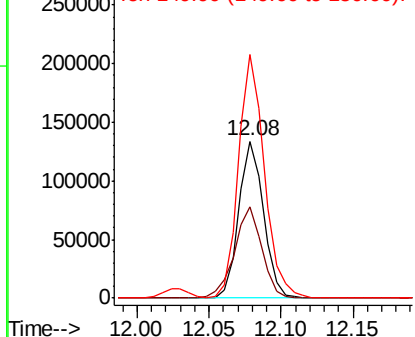
152 100

115 64.6 39.0 117.0

150 161.8 0.0 351.0



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: 21.337 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 105 Resp: 203612

Ion Ratio Lower Upper

105 100

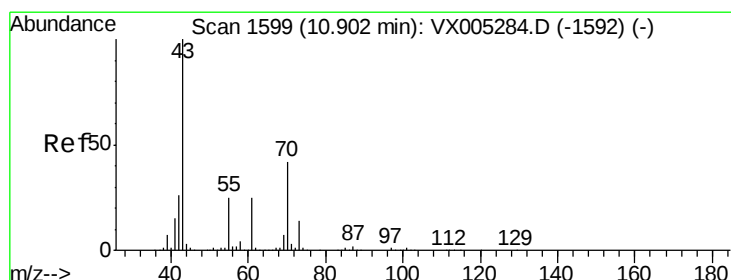
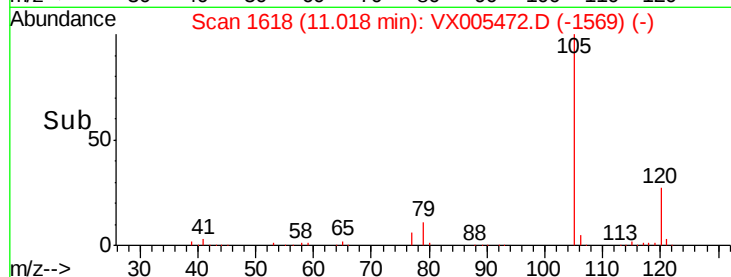
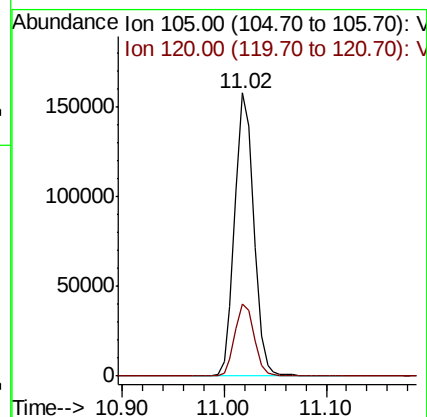
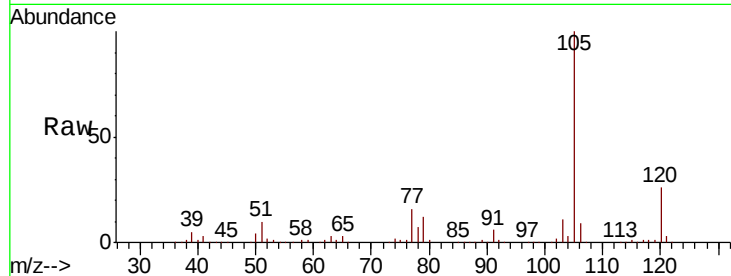
120 26.3 13.5 40.4

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#74

N-ethyl acetate

Concen: 21.300 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Tgt Ion: 43 Resp: 98035

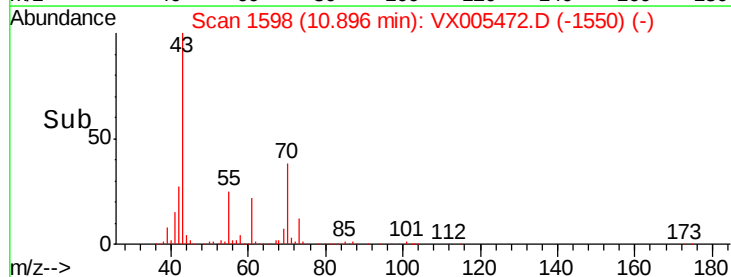
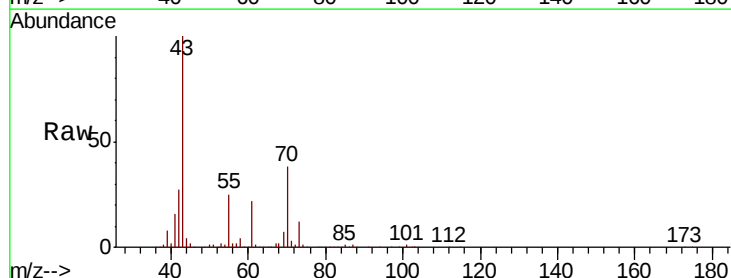
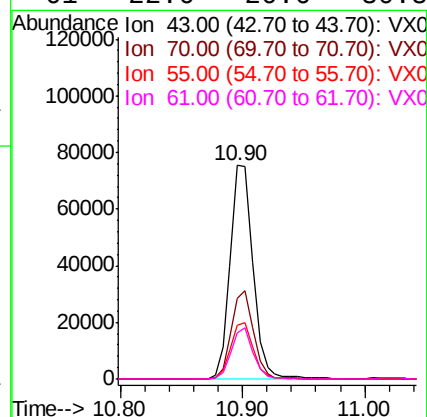
Ion Ratio Lower Upper

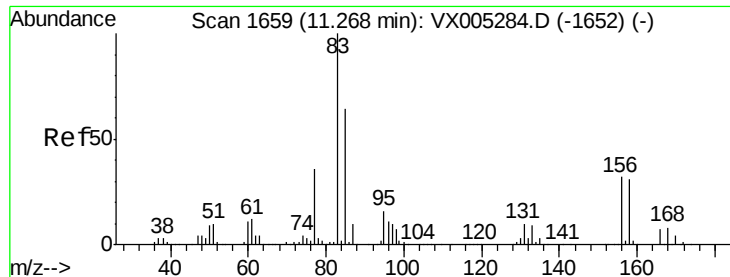
43 100

70 40.1 37.4 56.0

55 26.3 21.8 32.8

61 22.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.686 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

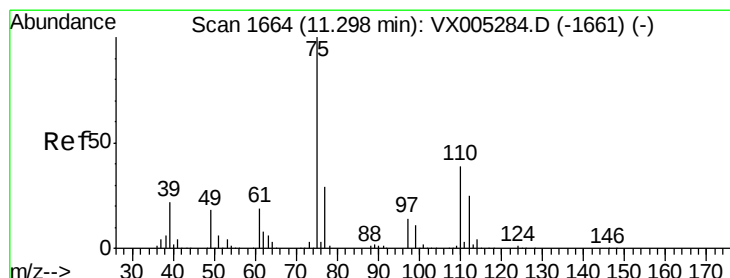
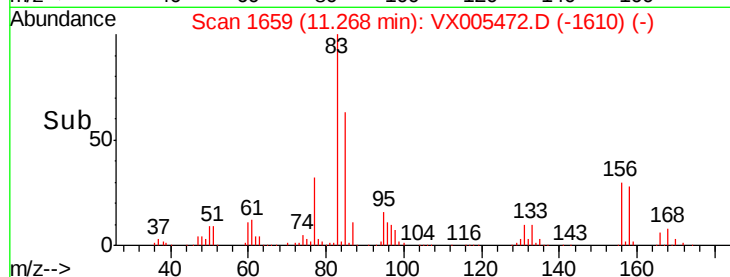
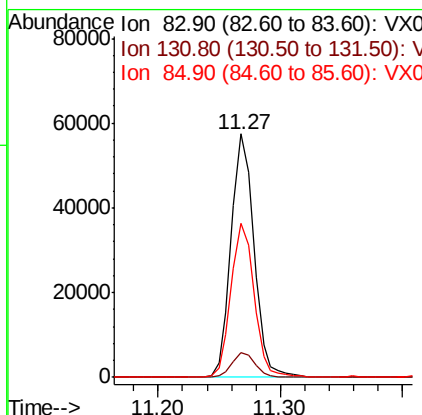
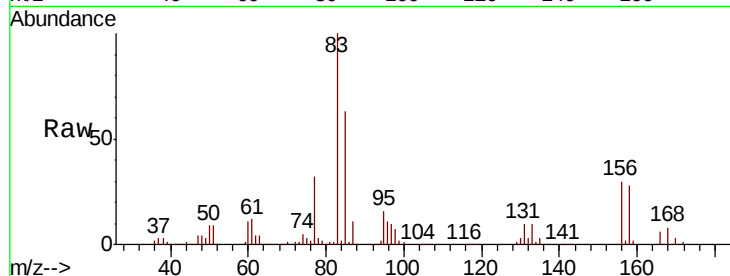
ClientSampleId :

VX1022WBSD01

Tot Ion:	83	Resp:	74466
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.4	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 22.645 ug/l m

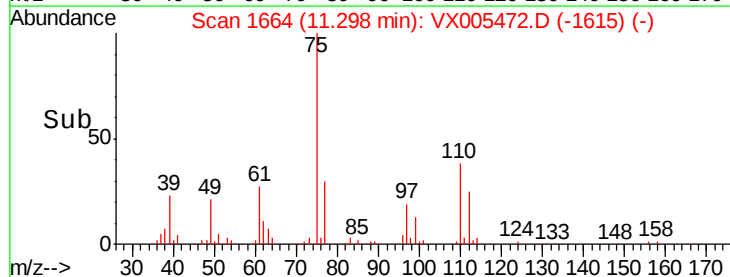
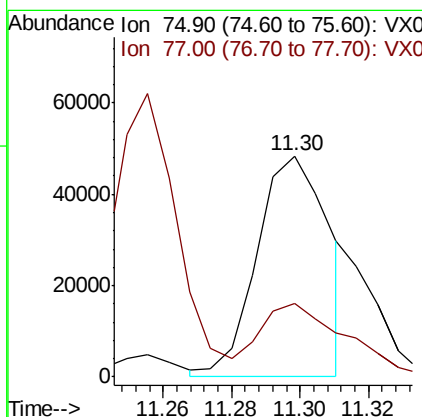
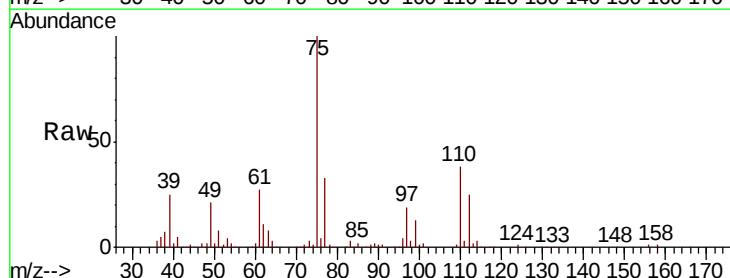
RT: 11.30 min Scan# 1664

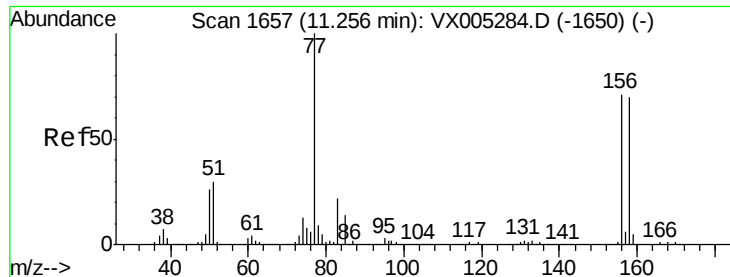
Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Tgt Ion:	75	Resp:	70509
Ion Ratio	Lower	Upper	
75	100		
77	40.1	20.2	60.6





#77

Bromobenzene

Concen: 20.440 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion:156 Resp: 55770

Ion Ratio Lower Upper

156 100

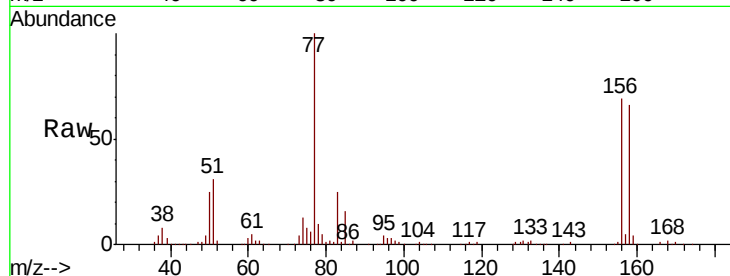
77 145.9 71.5 214.3

158 95.4 48.9 146.8

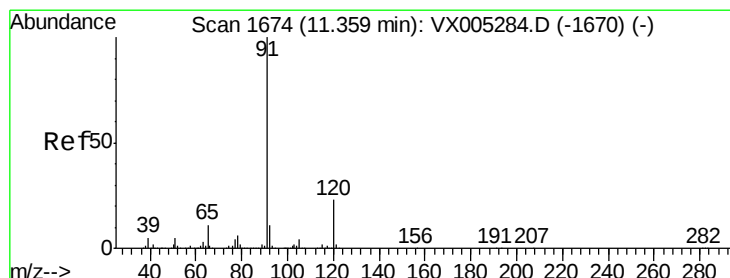
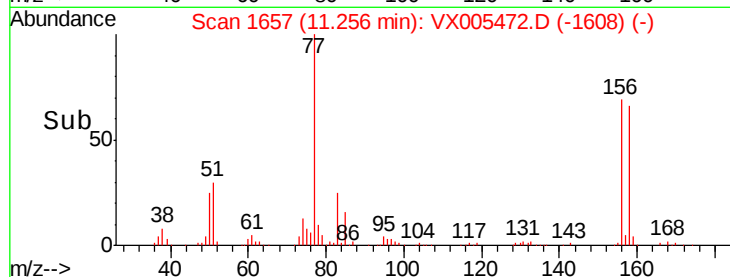
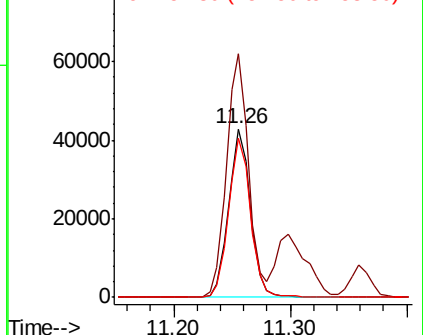
Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.370 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005472.D

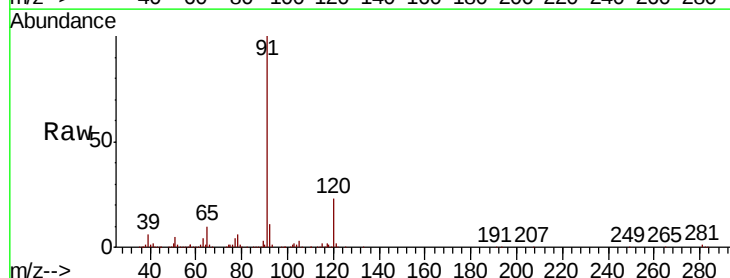
Acq: 22 Oct 2018 16:06

Tgt Ion: 91 Resp: 234660

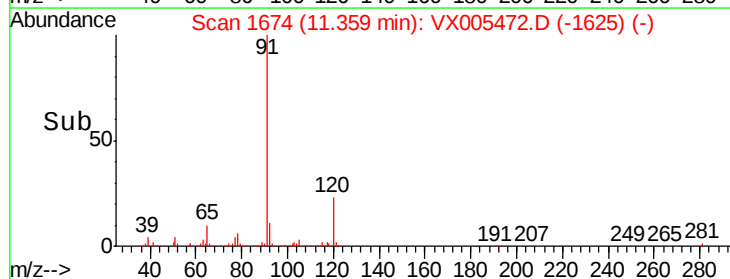
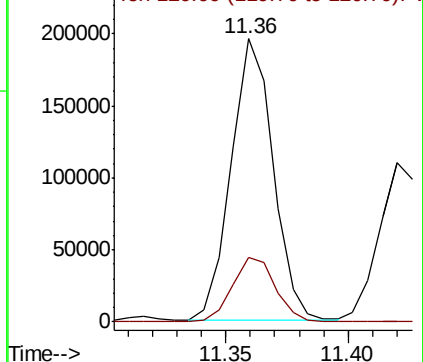
Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.887 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 91 Resp: 140468

Ion Ratio Lower Upper

91 100

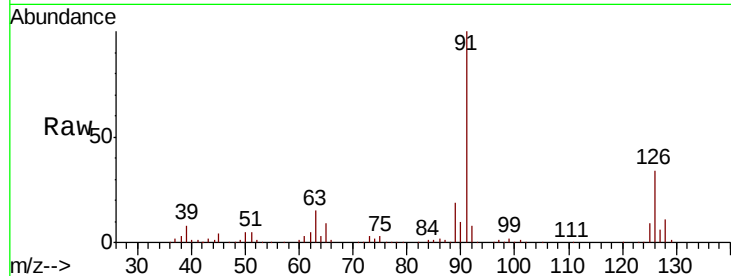
126 35.3 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)

200000

150000

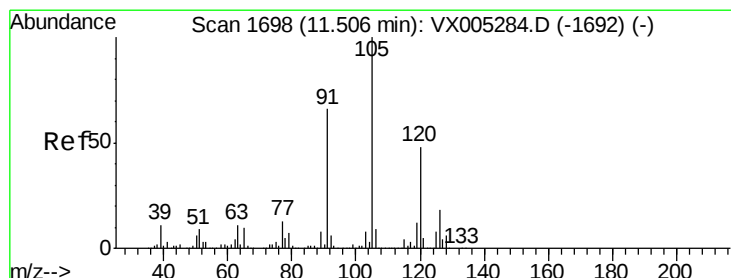
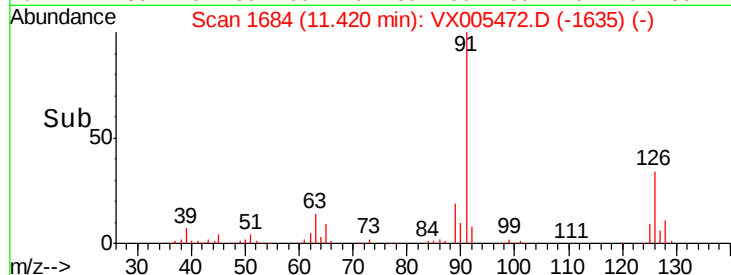
100000

50000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.968 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005472.D

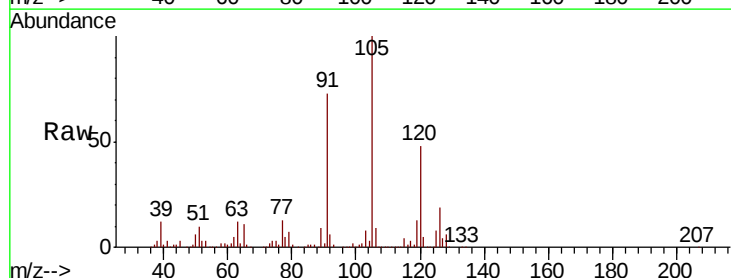
Acq: 22 Oct 2018 16:06

Tgt Ion:105 Resp: 171346

Ion Ratio Lower Upper

105 100

120 48.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)

150000

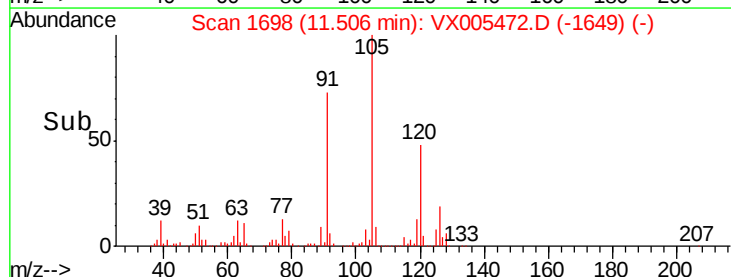
100000

50000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.348 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion: 75 Resp: 20852

Ion Ratio Lower Upper

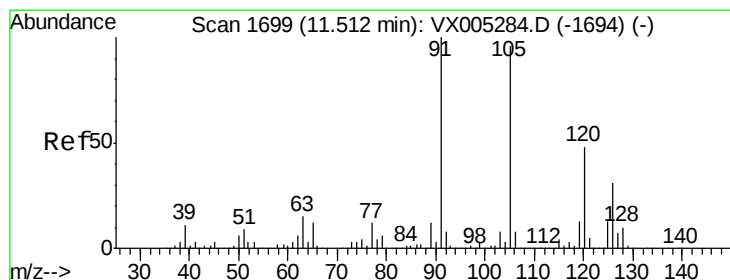
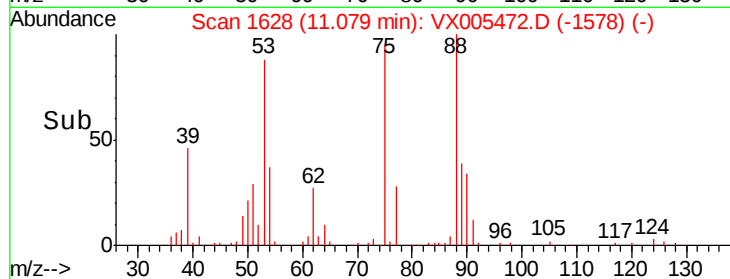
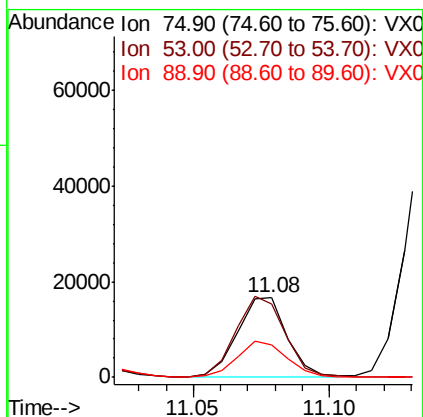
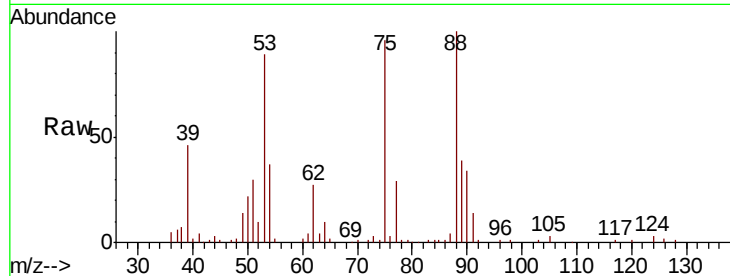
75 100

53 101.3 80.1 120.1

89 45.5 37.2 55.8

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#82

4-Chlorotoluene

Concen: 20.815 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005472.D

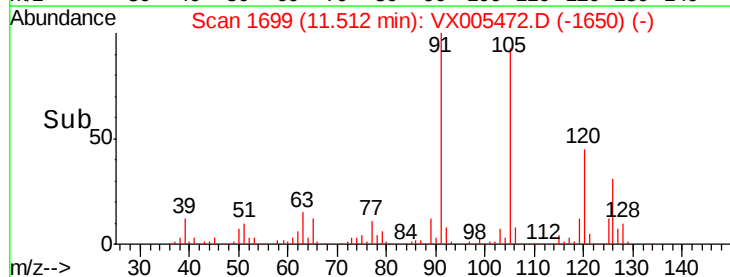
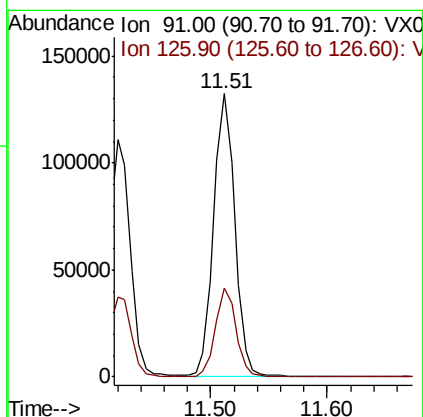
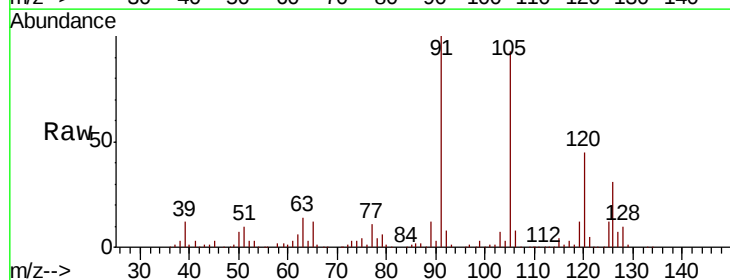
Acq: 22 Oct 2018 16:06

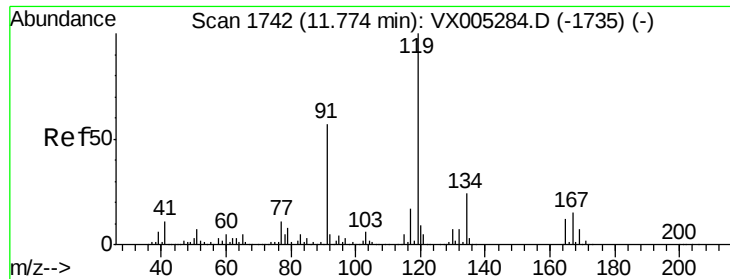
Tgt Ion: 91 Resp: 165944

Ion Ratio Lower Upper

91 100

126 30.7 15.5 46.5





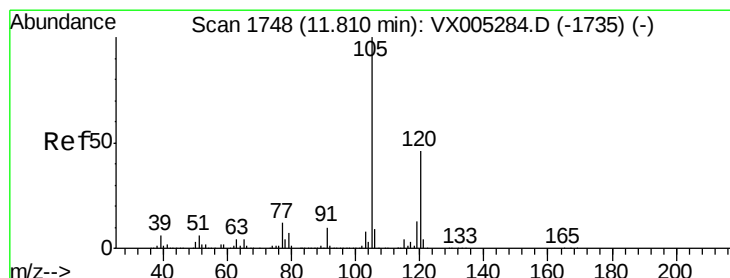
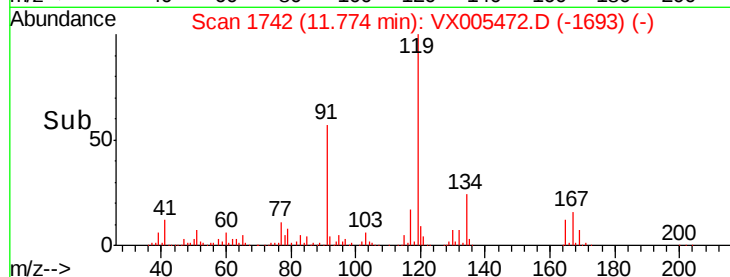
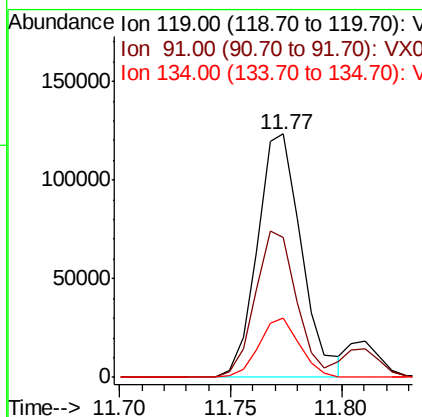
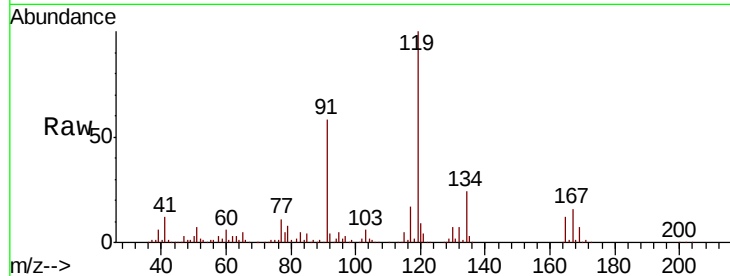
#83
tert-Butylbenzene
Concen: 20.597 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.0	81.0
134	22.7	11.7	35.1

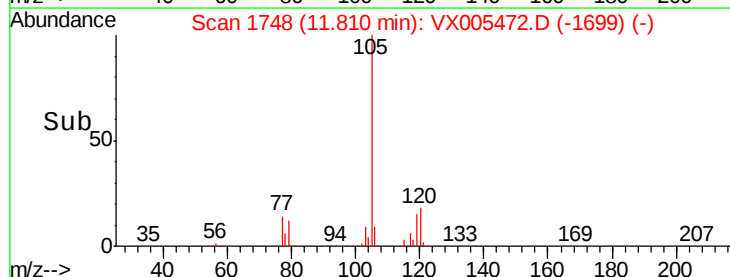
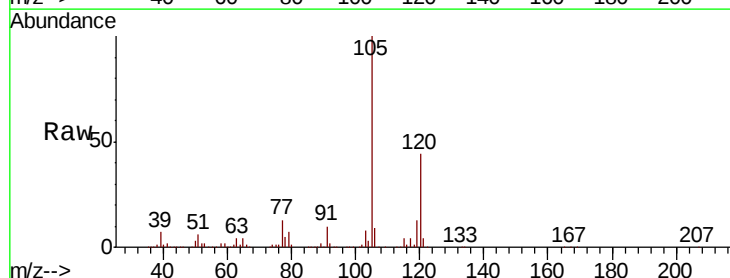
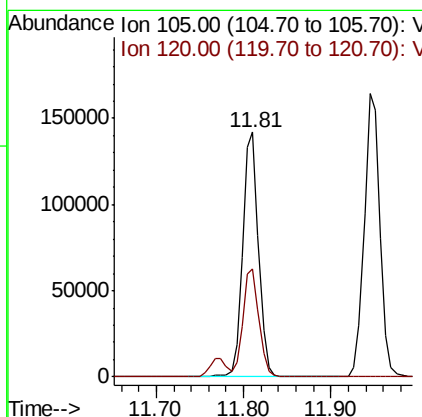
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 21.251 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	23.2	69.6





#85

sec-Butylbenzene

Concen: 21.015 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBSD01

Tot Ion:105 Resp: 205802

Ion Ratio Lower Upper

105 100

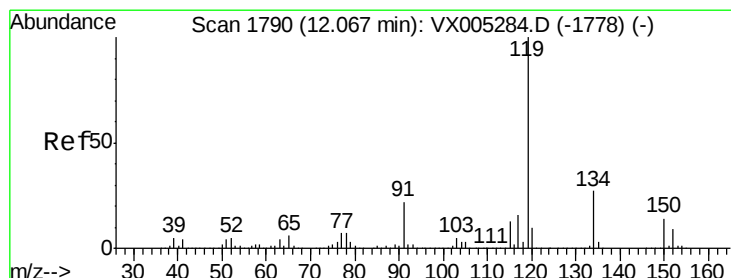
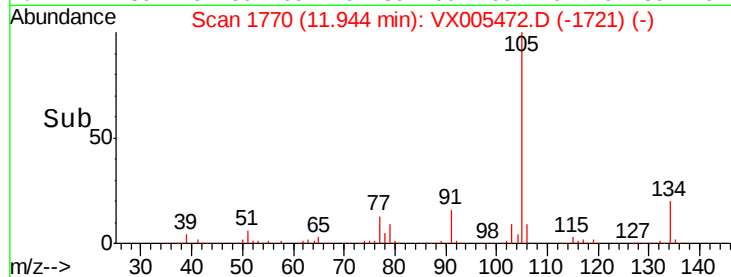
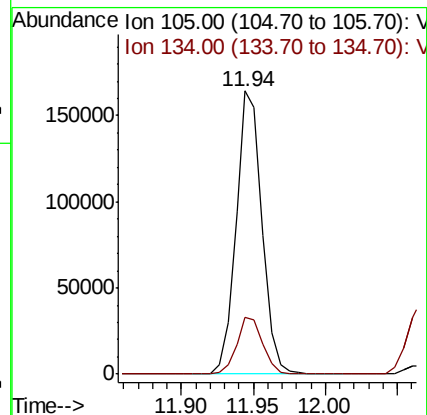
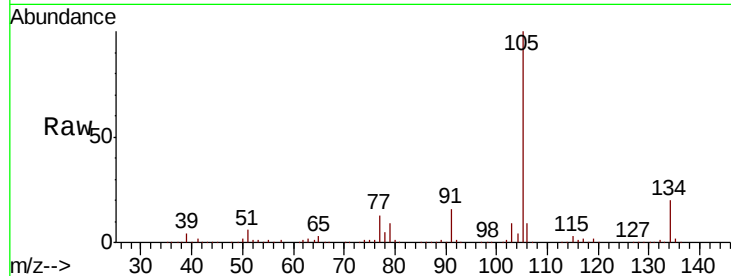
134 20.3 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.854 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

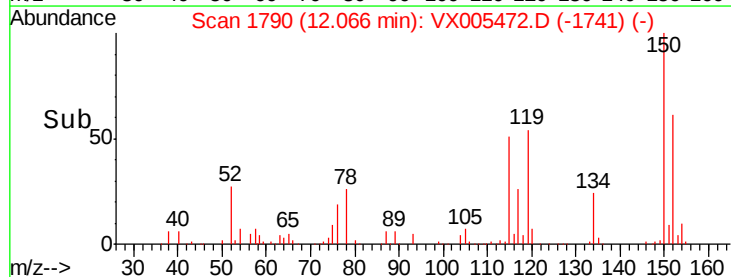
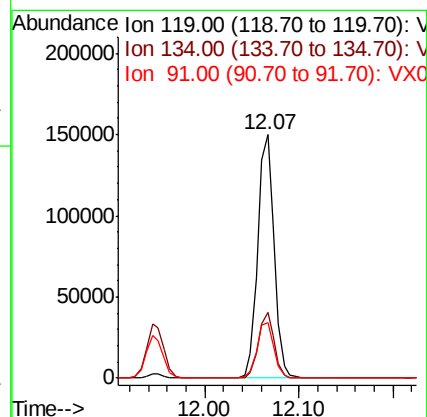
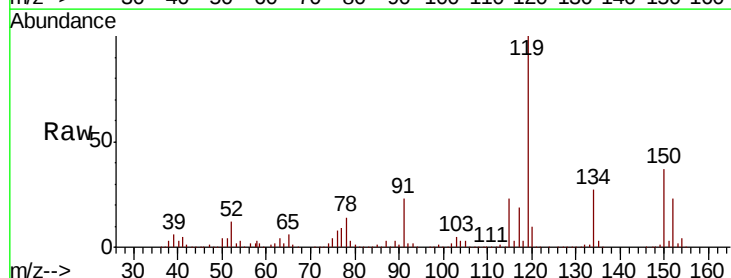
Tgt Ion:119 Resp: 184585

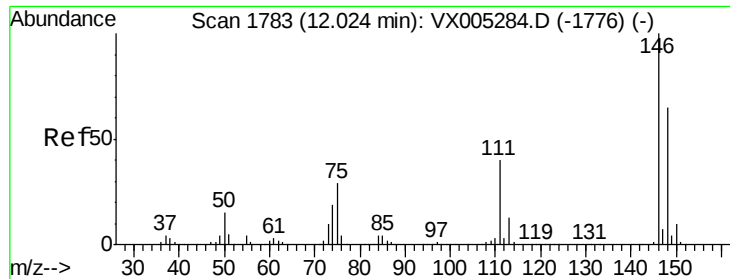
Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

91 23.6 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 20.057 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Instrument :

MSVOA_X

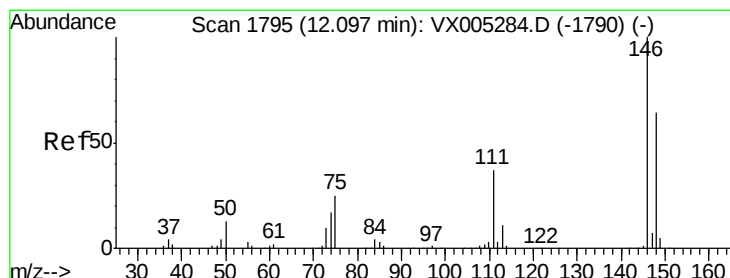
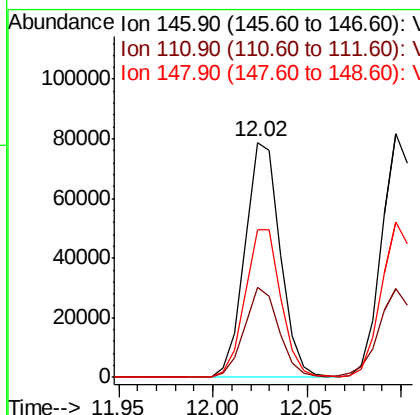
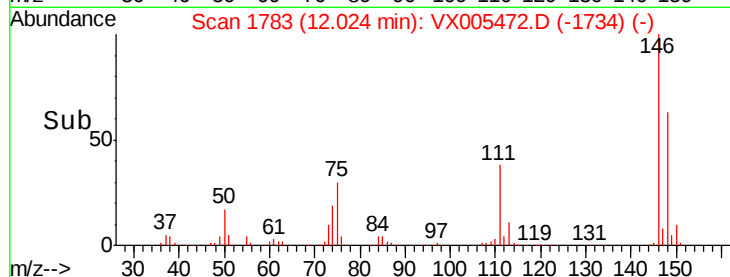
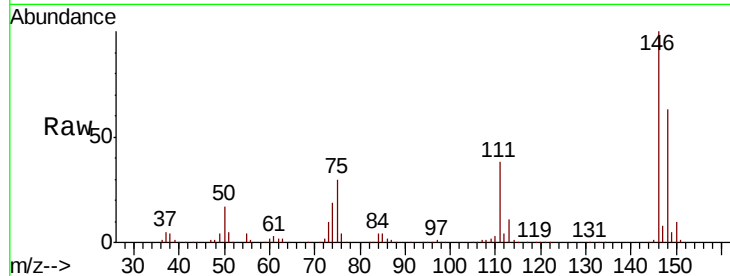
ClientSampleId :

VX1022WBSD01

Tot Ion:	146	Resp:	102259
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.7	56.1
148	64.1	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.701 ug/l

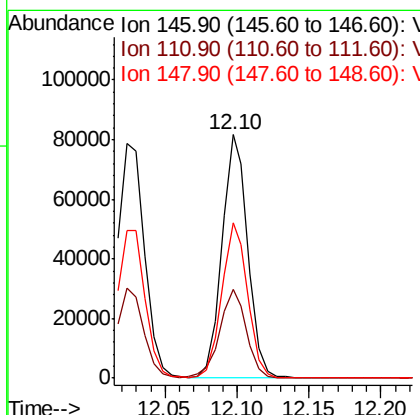
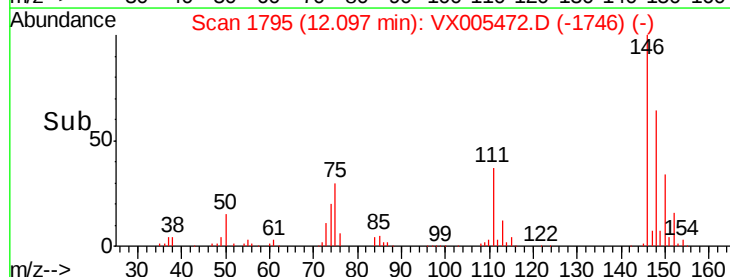
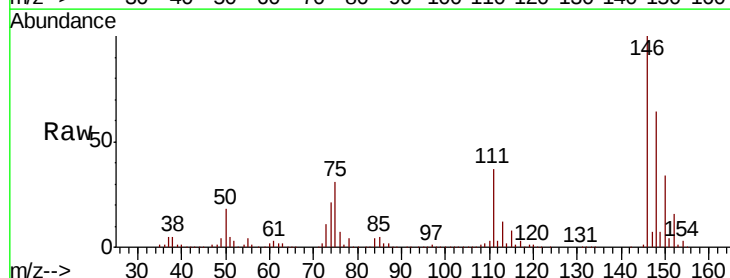
RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005472.D

Acq: 22 Oct 2018 16:06

Tgt Ion:	146	Resp:	102756
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.1	54.1
148	64.4	32.0	96.0





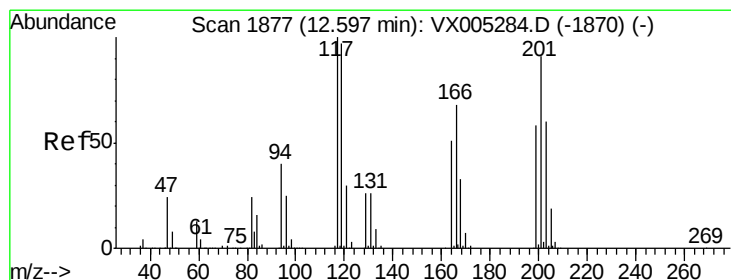
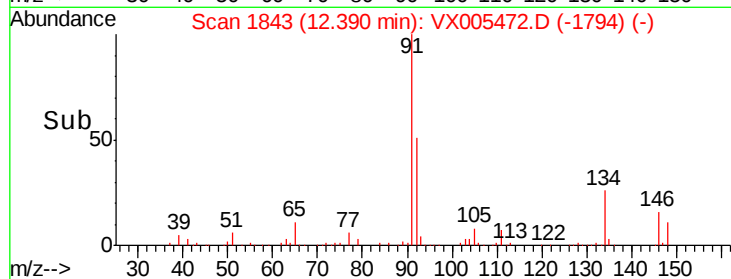
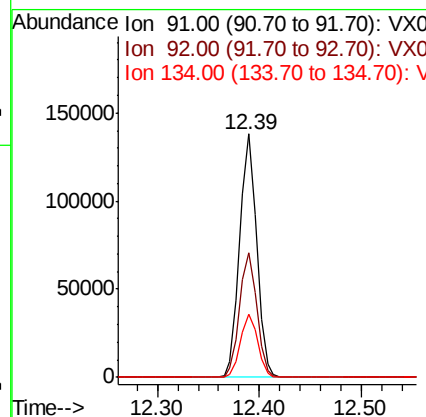
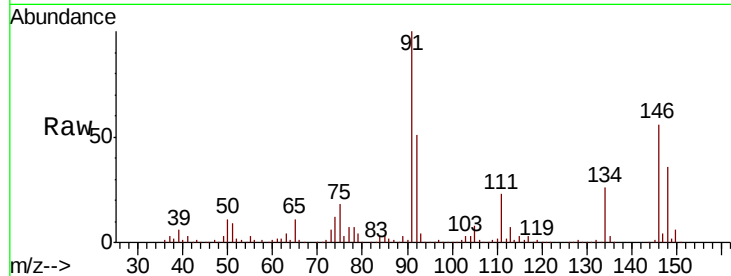
#89
n-Butylbenzene
Concen: 19.684 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.5	27.3	81.9	
134	26.3	13.6	40.7	

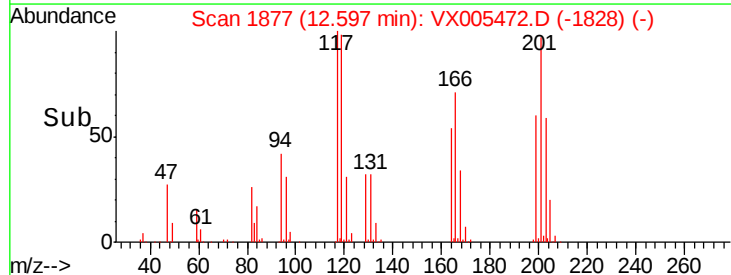
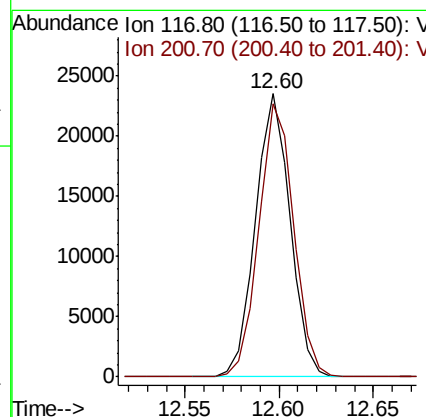
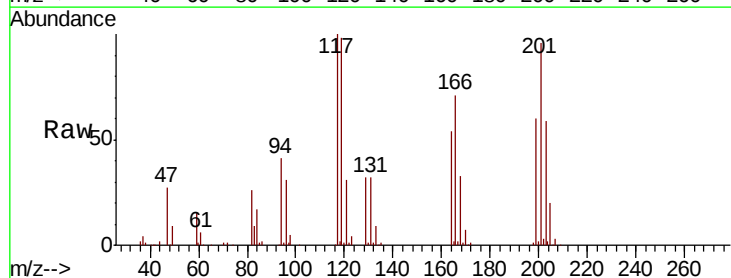
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#90
Hexachloroethane
Concen: 19.613 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	97.2	46.9	140.6	





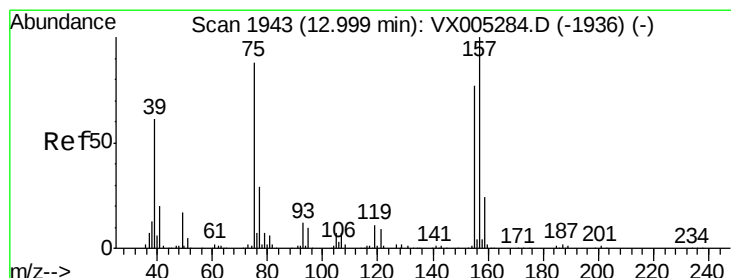
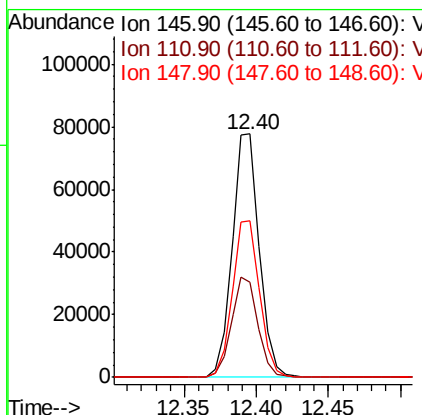
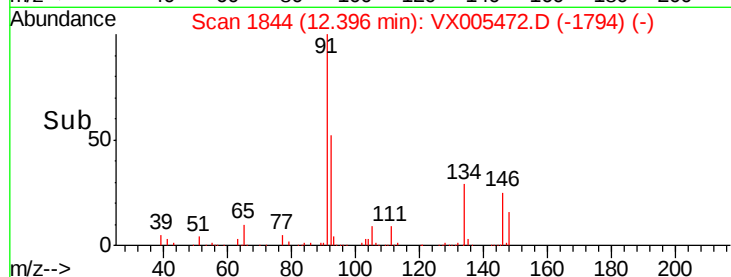
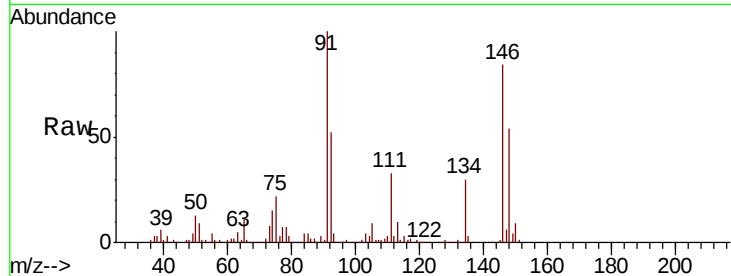
#91
 1,2-Dichlorobenzene
 Concen: 19.581 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.4	58.1
148	64.8	32.8	98.3

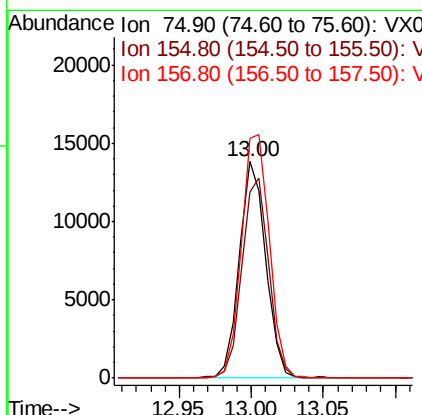
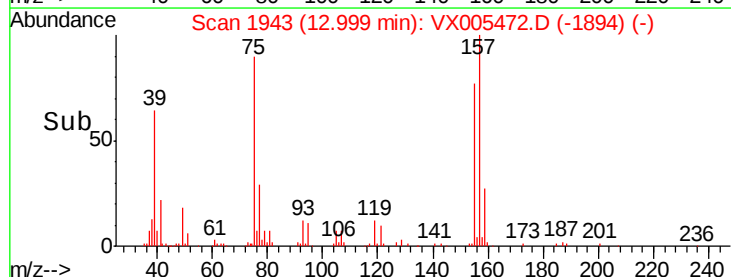
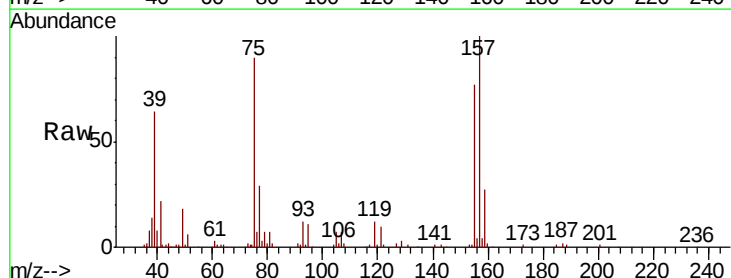
Manual Integrations
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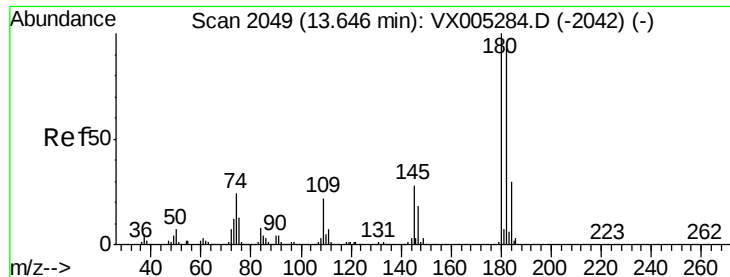
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.103 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005472.D
 Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	48.0	144.2
157	118.0	61.4	184.1





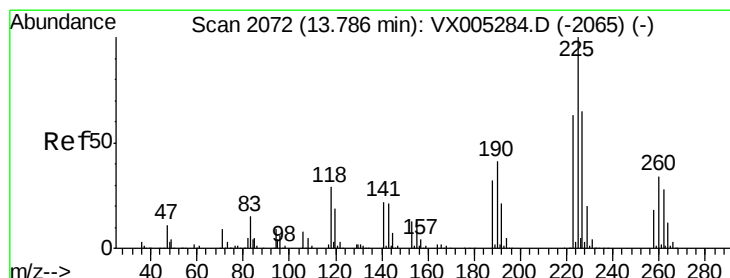
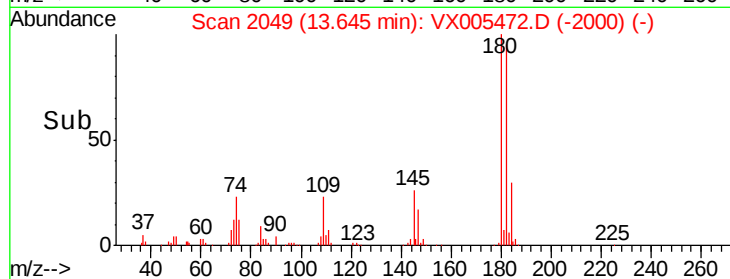
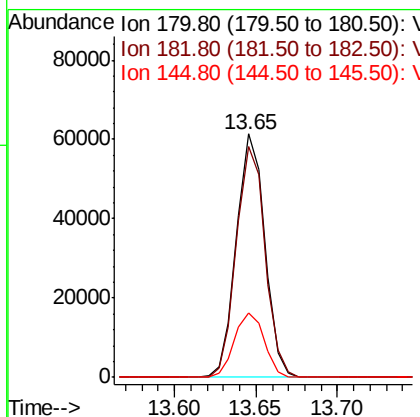
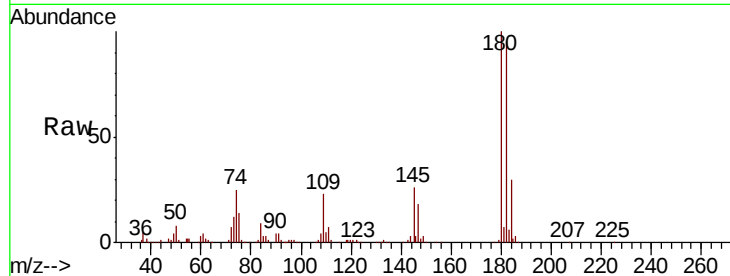
#93
1,2,4-Trichlorobenzene
Concen: 19.598 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	74810		
182	95.7		48.4	145.0
145	27.8		14.3	42.9

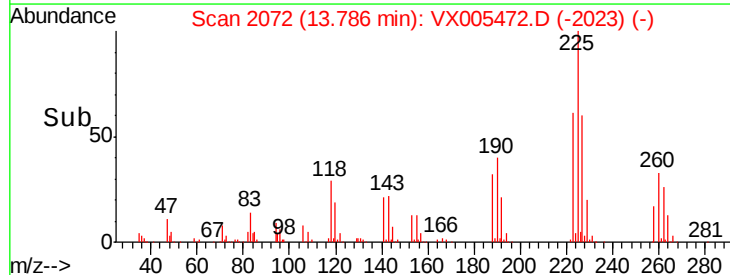
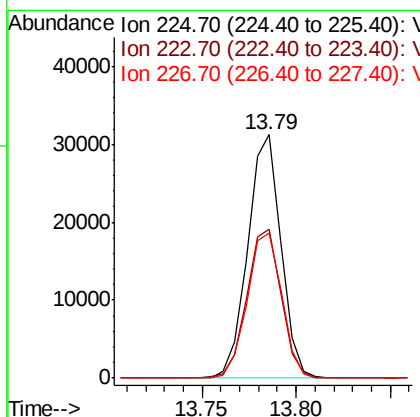
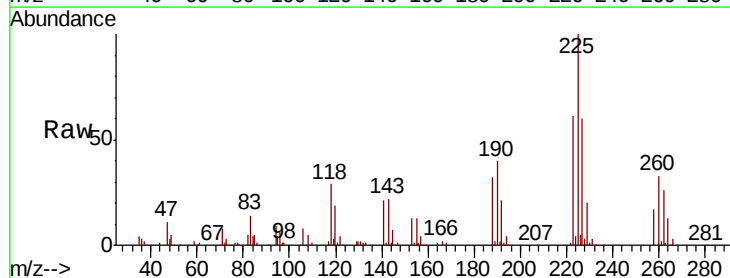
Manual Integrations
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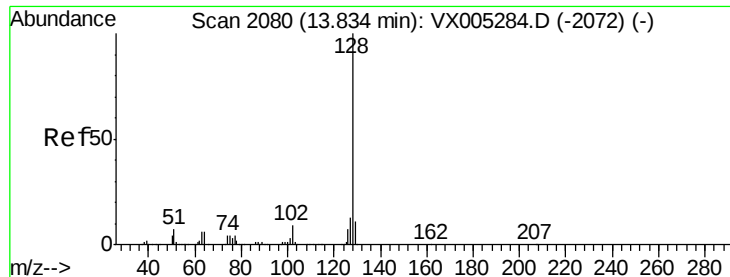
MMDadoda
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#94
Hexachlorobutadiene
Concen: 18.835 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37973		
223	63.5		30.1	90.5
227	62.3		30.8	92.4





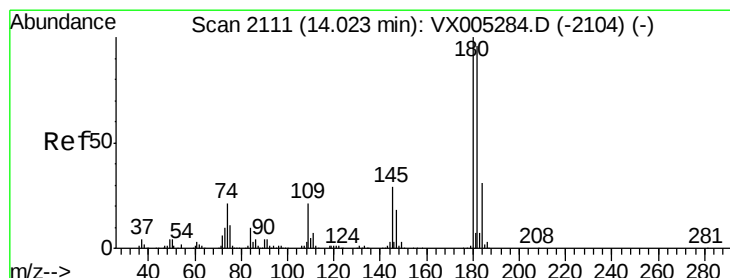
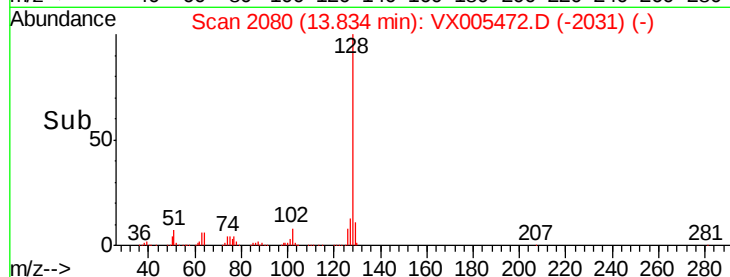
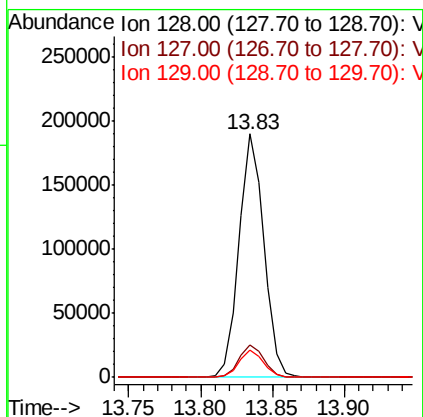
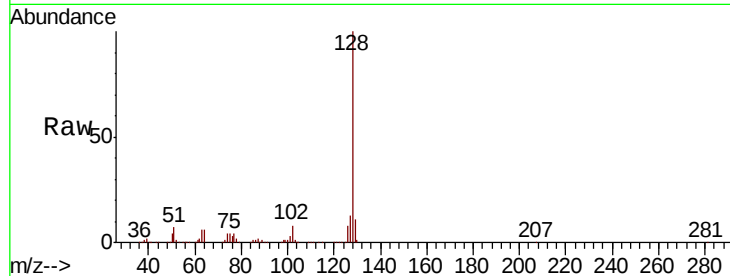
#95
Naphthalene
Concen: 20.715 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/23/2018 1:27:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.892 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005472.D
Acq: 22 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.5	145.6
145	30.1	14.9	44.9

