

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101618\
 Data File : VX005357.D
 Acq On : 16 Oct 2018 09:13
 Operator : JC/MD
 Sample : VX1016WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:34:21 AM

Quant Time: Oct 17 05:15:18 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	258276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354706	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193670	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	134340	46.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.74%	
35) Dibromofluoromethane	5.50	113	109962	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
50) Toluene-d8	8.71	98	420419	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	11.14	95	155448	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41109	20.357	ug/l	96
3) Chloromethane	1.32	50	53383	18.244	ug/l	98
4) Vinyl Chloride	1.40	62	54744	18.469	ug/l	99
5) Bromomethane	1.64	94	34009	20.662	ug/l	98
6) Chloroethane	1.71	64	33983	18.452	ug/l	99
7) Trichlorofluoromethane	1.92	101	80046	20.236	ug/l	96
8) Diethyl Ether	2.18	74	31598	18.706	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48052	21.047	ug/l	97
10) Methyl Iodide	2.51	142	47114	20.372	ug/l	98
11) Tert butyl alcohol	3.07	59	79804	98.696	ug/l	100
12) 1,1-Dichloroethene	2.37	96	43322	19.151	ug/l	93
13) Acrolein	2.29	56	33306	62.931	ug/l	97
14) Allyl chloride	2.73	41	94446	19.017	ug/l	96
15) Acrylonitrile	3.15	53	168606	92.018	ug/l	98
16) Acetone	2.45	43	156334	94.327	ug/l	97
17) Carbon Disulfide	2.57	76	123836	18.072	ug/l	99
18) Methyl Acetate	2.78	43	91744	19.457	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	158087	19.843	ug/l	95
20) Methylene Chloride	2.85	84	51058	20.367	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	47357	18.891	ug/l	99
22) Diisopropyl ether	3.87	45	164924	19.771	ug/l	94
23) Vinyl Acetate	3.82	43	737489	101.151	ug/l	96
24) 1,1-Dichloroethane	3.69	63	93301	19.516	ug/l	98
25) 2-Butanone	4.70	43	215359	88.811	ug/l	96
26) 2,2-Dichloropropane	4.58	77	69675	19.487	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	49788	18.275	ug/l	96
28) Bromochloromethane	5.01	49	40808	18.724	ug/l	96
29) Tetrahydrofuran	5.15	42	136643	88.340	ug/l	94
30) Chloroform	5.21	83	84828	19.117	ug/l	100
31) Cyclohexane	5.57	56	72255	18.337	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	73585	19.058	ug/l	99
36) 1,1-Dichloropropene	5.79	75	63693	18.541	ug/l	100
37) Ethyl Acetate	4.85	43	78675	17.808	ug/l	98
38) Carbon Tetrachloride	5.78	117	65853	19.078	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	72526	19.507	ug/l	93
40) Benzene	6.14	78	185886	18.038	ug/l	100
41) Methacrylonitrile	5.06	41	42340	17.877	ug/l	97
42) 1,2-Dichloroethane	6.20	62	67659	18.594	ug/l	97
43) Isopropyl Acetate	6.46	43	113052	19.210	ug/l	97
44) Trichloroethene	7.21	130	53131	19.816	ug/l	100
45) 1,2-Dichloropropane	7.51	63	48749	19.285	ug/l	98
46) Dibromomethane	7.66	93	32481	19.468	ug/l	97
47) Bromodichloromethane	7.90	83	62404	20.221	ug/l	100
48) Methyl methacrylate	7.77	41	59704	19.561	ug/l	95
49) 1,4-Dioxane	7.75	88	27873	395.922	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	411115	100.890	ug/l	94
52) Toluene	8.79	92	119151	21.134	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	67688	20.267	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	76129	21.037	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	50348	21.084	ug/l	98
56) Ethyl methacrylate	9.18	69	71157	20.441	ug/l	97
57) 1,3-Dichloropropane	9.37	76	81127	20.355	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	204439	104.717	ug/l	96
59) 2-Hexanone	9.49	43	331004	100.982	ug/l	93
60) Dibromochloromethane	9.59	129	51251	20.763	ug/l	100
61) 1,2-Dibromoethane	9.67	107	50809	20.274	ug/l	100
64) Tetrachloroethene	9.34	164	56161	21.022	ug/l	98
65) Chlorobenzene	10.14	112	136890	19.393	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	50011	19.882	ug/l	98
67) Ethyl Benzene	10.25	91	224842	19.594	ug/l	97
68) m/p-Xylenes	10.36	106	180054	40.426	ug/l	96
69) o-Xylene	10.70	106	83938	19.541	ug/l	97
70) Styrene	10.71	104	140452	19.879	ug/l	97
71) Bromoform	10.86	173	42065	18.713	ug/l #	97
73) Isopropylbenzene	11.02	105	233517	20.283	ug/l	100
74) N-amyl acetate	10.90	43	103287	18.600	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	80427	18.518	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	77097m	20.523	ug/l	
77) Bromobenzene	11.26	156	65116	19.781	ug/l	98
78) n-propylbenzene	11.36	91	269931	20.374	ug/l	99
79) 2-Chlorotoluene	11.42	91	162380	20.013	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	202279	20.517	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	23247	18.803	ug/l	98
82) 4-Chlorotoluene	11.51	91	193615	20.130	ug/l	100
83) tert-Butylbenzene	11.77	119	196778	19.710	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	206060	20.309	ug/l	98
85) sec-Butylbenzene	11.94	105	240836	20.384	ug/l	99
86) p-Isopropyltoluene	12.07	119	220307	20.630	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	121529	19.757	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	124626	19.804	ug/l	99
89) n-Butylbenzene	12.39	91	190830	19.681	ug/l	98
90) Hexachloroethane	12.60	117	33845	18.390	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	121722	19.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18882	17.823	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93113	20.218	ug/l	99
94) Hexachlorobutadiene	13.78	225	50072	20.586	ug/l	97
95) Naphthalene	13.83	128	260847	19.530	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	94482	20.050	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion:168 Resp: 258276

Ion Ratio Lower Upper

168 100

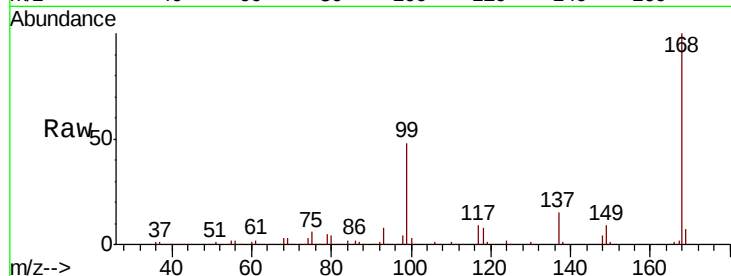
99 48.2 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

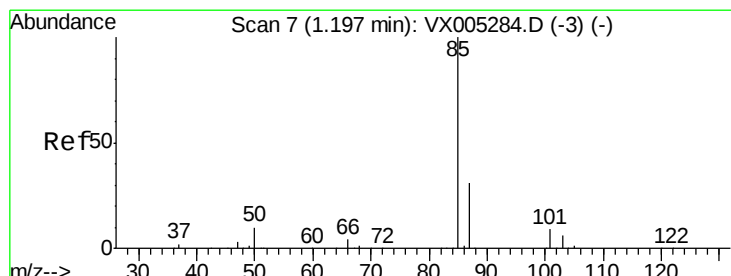
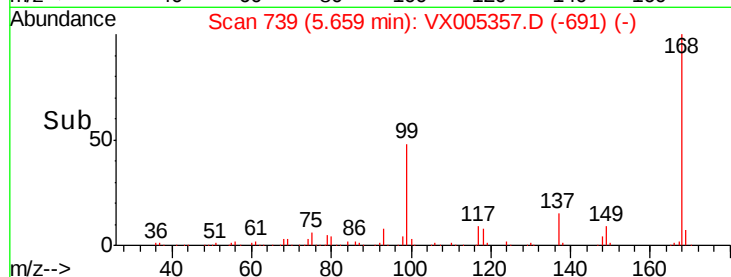
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.357 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005357.D

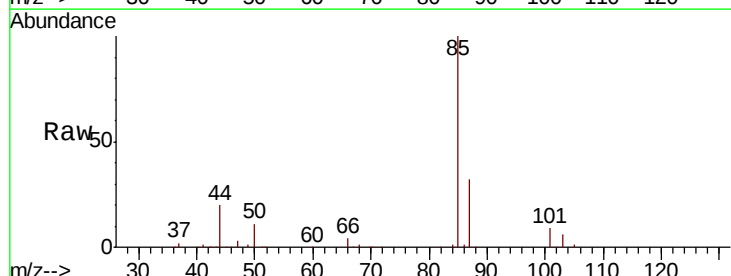
Acq: 16 Oct 2018 09:13

Tgt Ion: 85 Resp: 41109

Ion Ratio Lower Upper

85 100

87 31.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

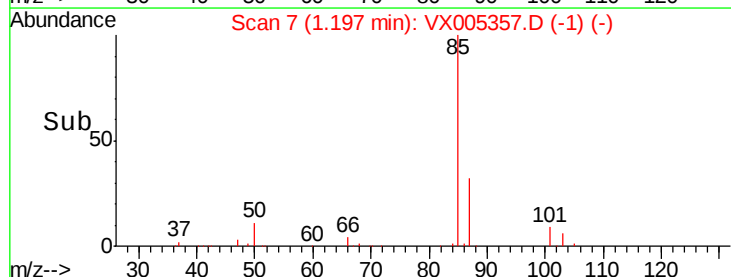
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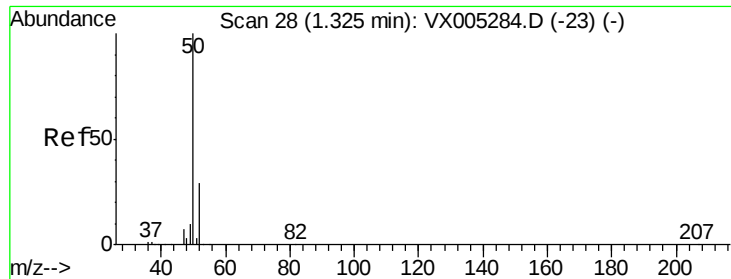
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.244 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 50 Resp: 53383

Ion Ratio Lower Upper

50 100

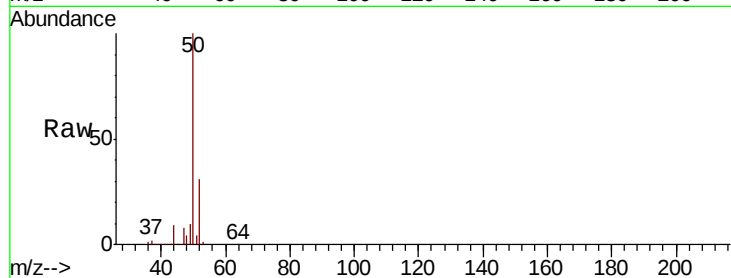
52 31.5 26.2 39.2

Manual Integrations

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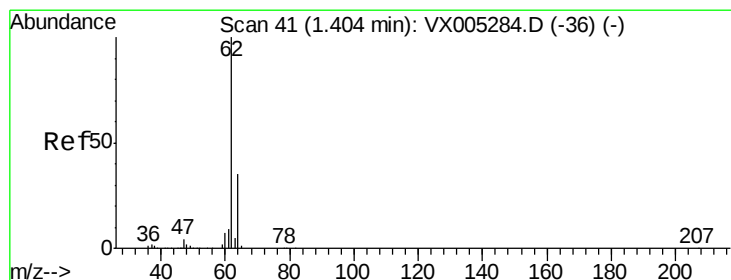
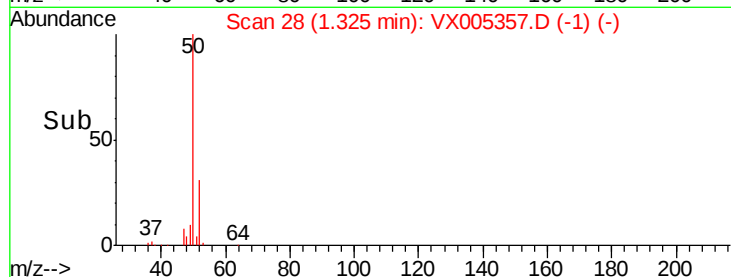
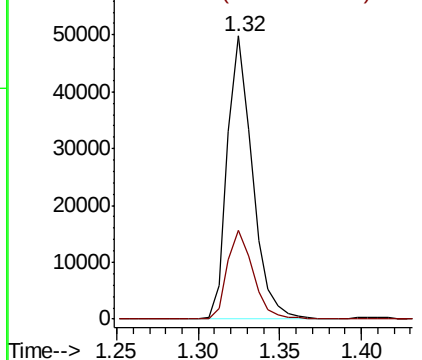
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.469 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005357.D

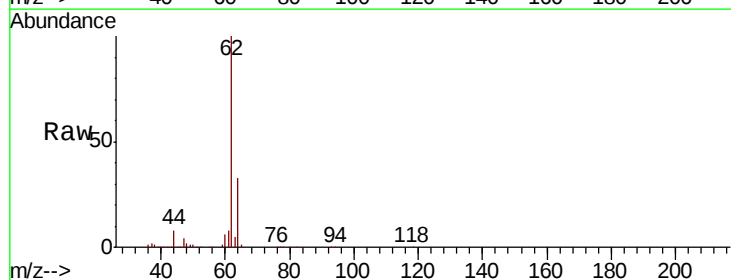
Acq: 16 Oct 2018 09:13

Tgt Ion: 62 Resp: 54744

Ion Ratio Lower Upper

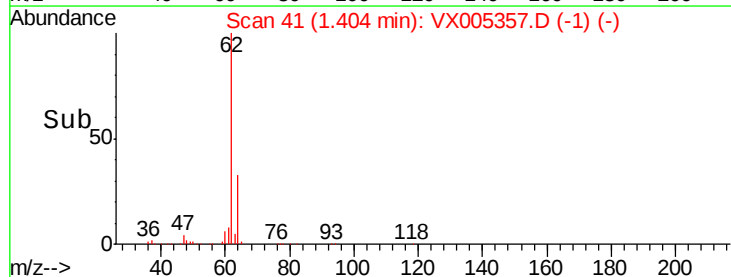
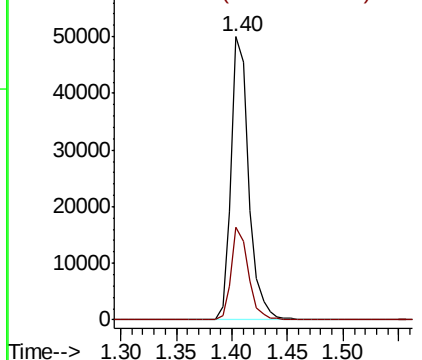
62 100

64 32.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.662 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 94 Resp: 34009

Ion Ratio Lower Upper

94 100

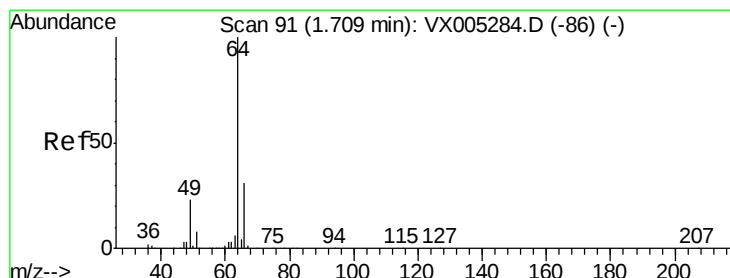
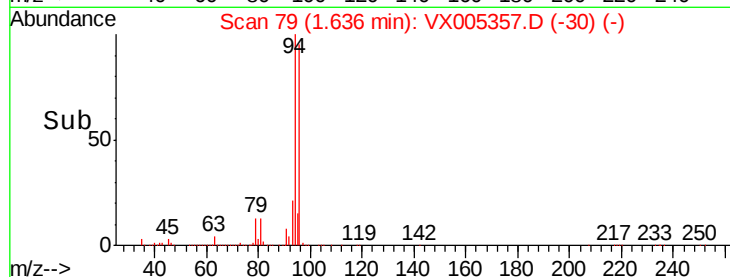
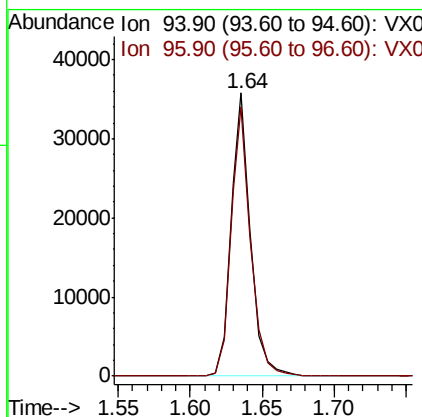
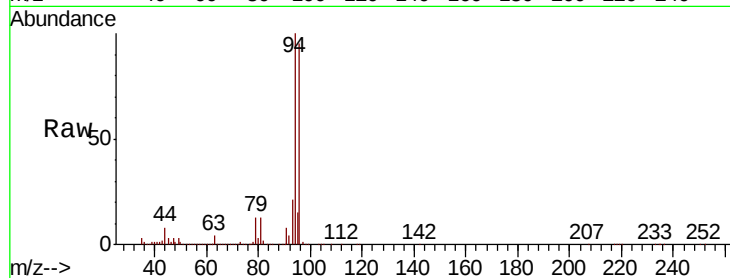
96 95.3 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 18.452 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005357.D

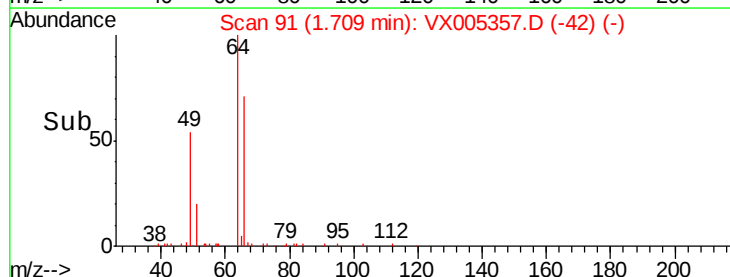
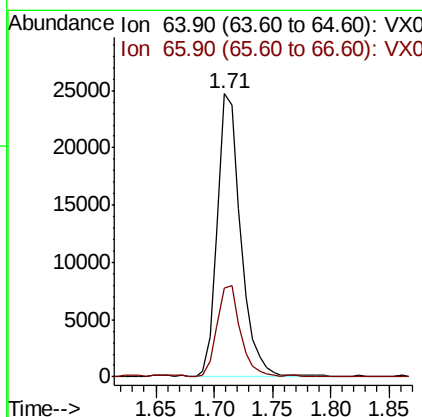
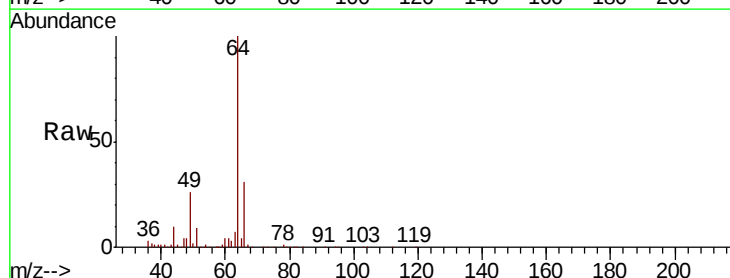
Acq: 16 Oct 2018 09:13

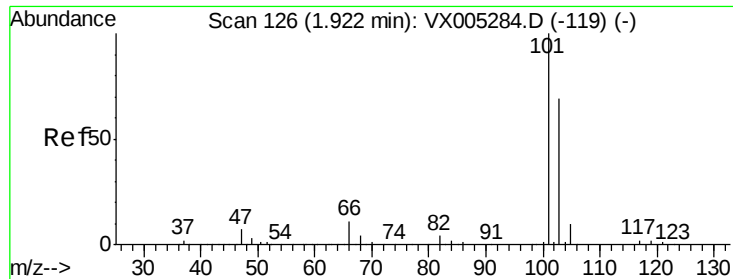
Tgt Ion: 64 Resp: 33983

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8





#7

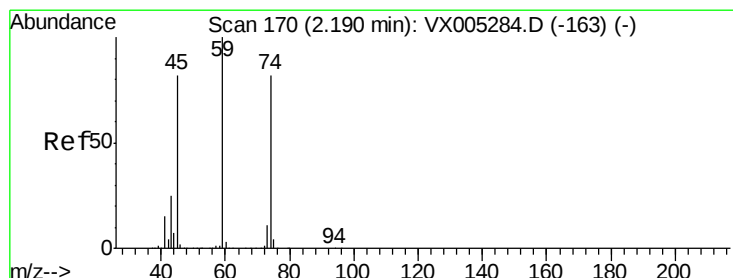
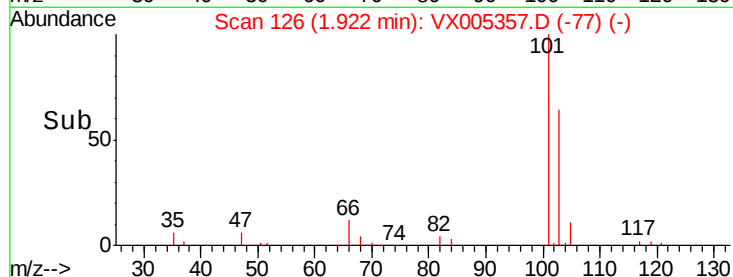
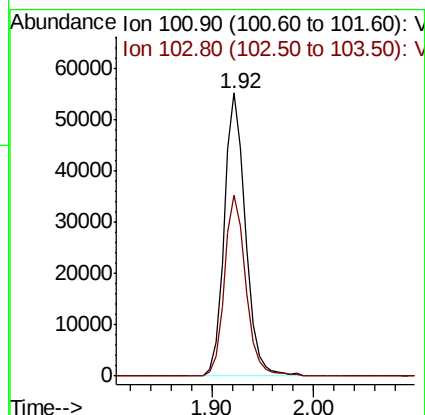
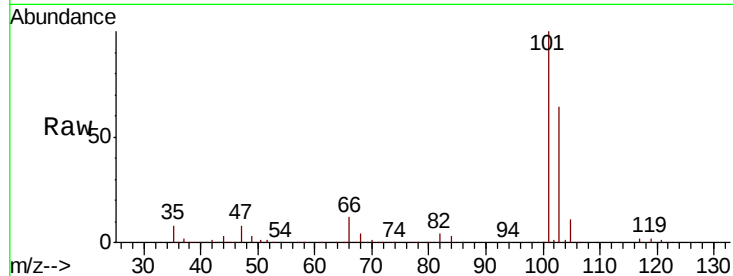
Trichlorofluoromethane
Concen: 20.236 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
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ClientSampleId :
VX1016WBS01

Tot Ion:101 Resp: 80046
Ion Ratio Lower Upper
101 100
103 64.2 48.9 73.3

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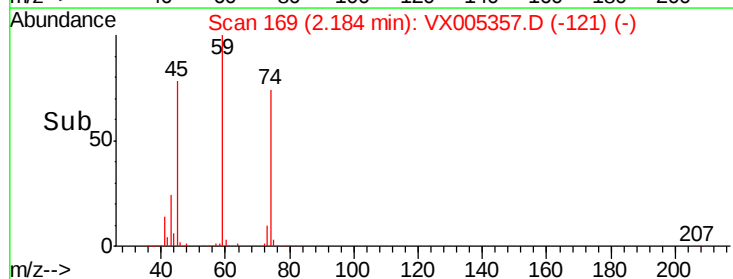
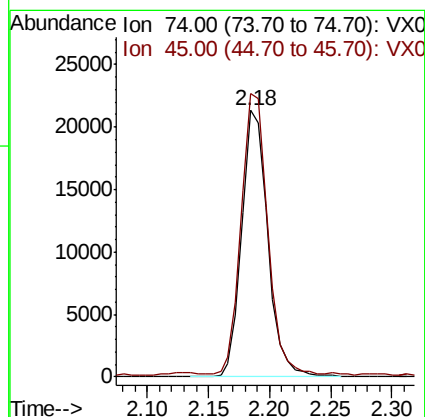
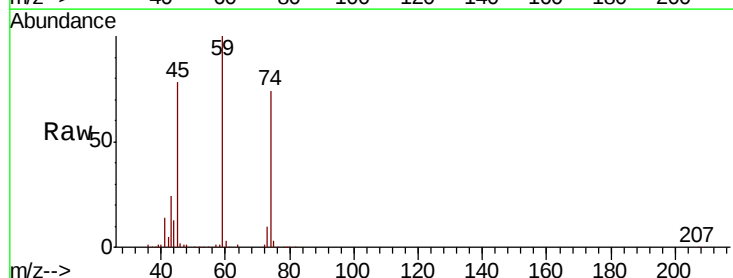
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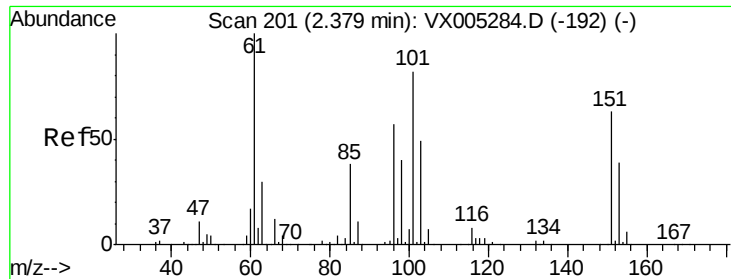


#8

Diethyl Ether
Concen: 18.706 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion: 74 Resp: 31598
Ion Ratio Lower Upper
74 100
45 106.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.047 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

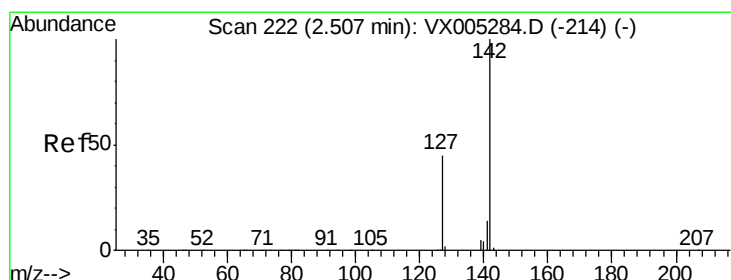
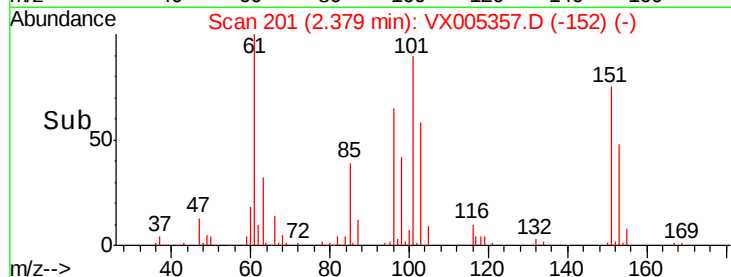
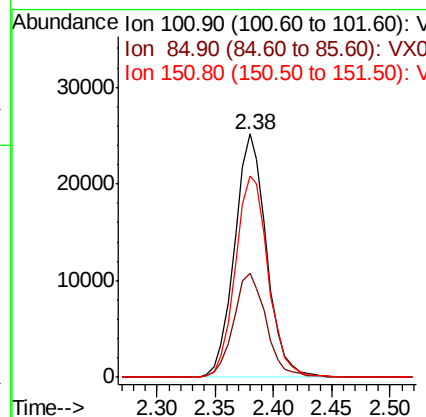
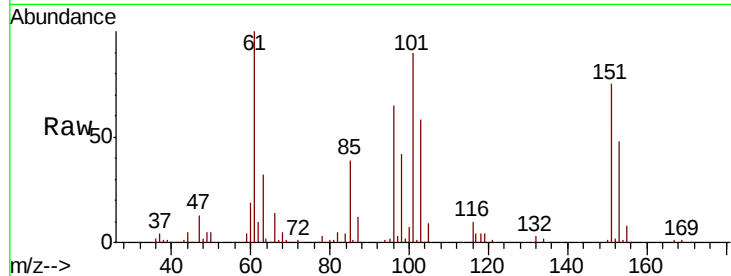
ClientSampleId :

VX1016WBS01

Tot Ion:	101	Resp:	48052
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	85.1	65.0	97.6

Manual Integrations
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10/17/2018 9:34:21 AM



#10

Methyl Iodide

Concen: 20.372 ug/l

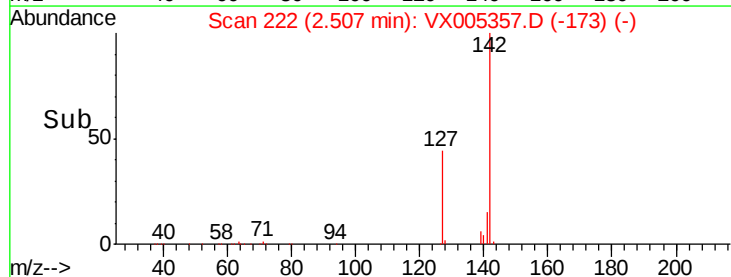
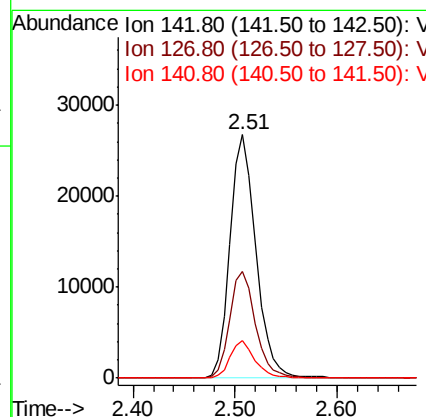
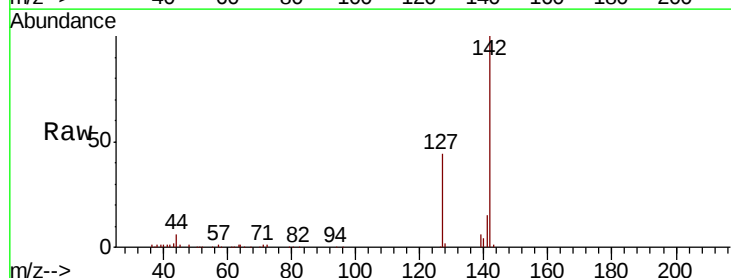
RT: 2.51 min Scan# 222

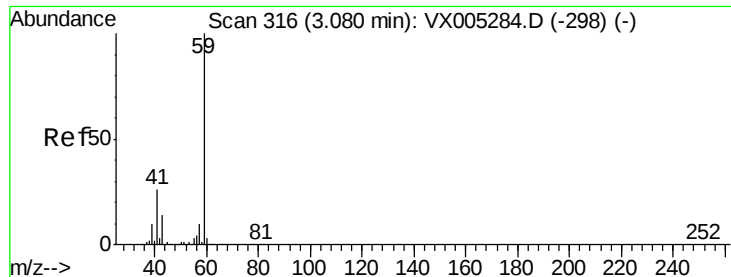
Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Tgt Ion:	142	Resp:	47114
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.8	50.6
141	14.6	11.4	17.0





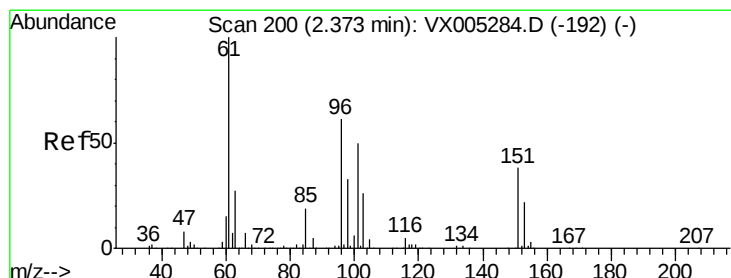
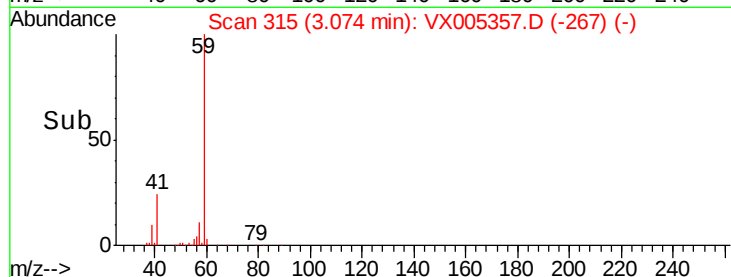
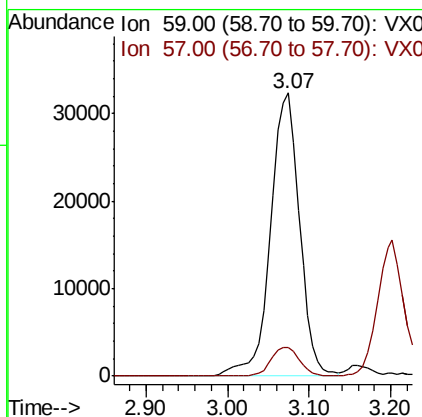
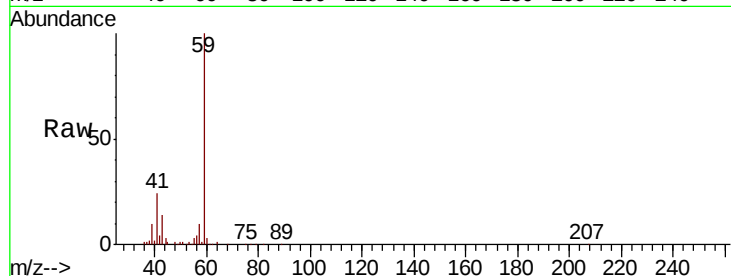
#11
Tert butyl alcohol
Concen: 98.696 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion: 59 Resp: 79804
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

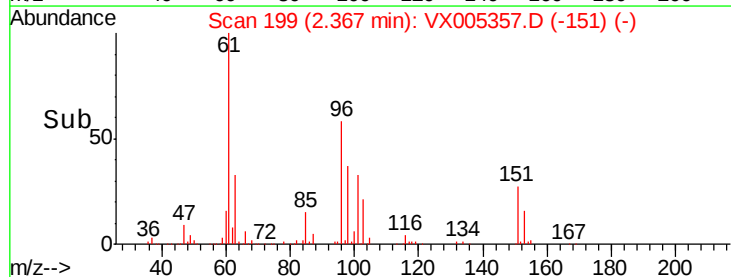
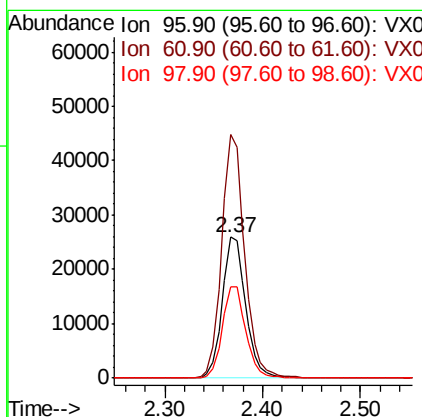
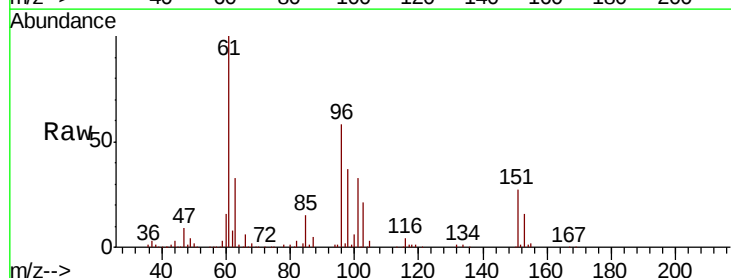
Manual Integrations
APPROVED

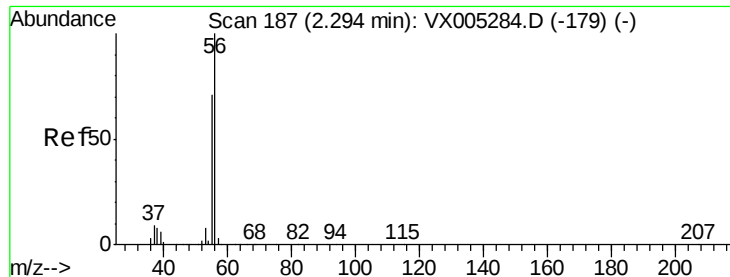
MMDadoda
10/17/2018 9:34:21 AM



#12
1,1-Dichloroethene
Concen: 19.151 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion: 96 Resp: 43322
Ion Ratio Lower Upper
96 100
61 173.1 128.8 193.2
98 64.7 52.2 78.2





#13

Acrolein

Concen: 62.931 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 56 Resp: 33306

Ion Ratio Lower Upper

56 100

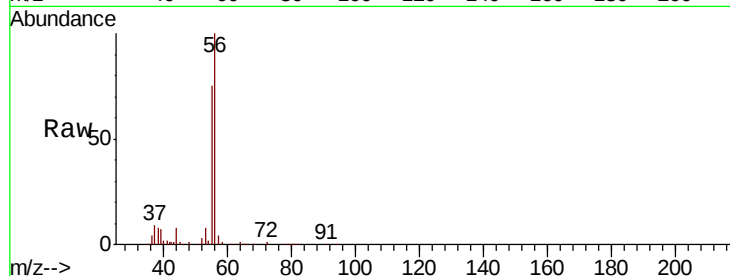
55 70.5 54.7 82.1

Manual Integrations

APPROVED

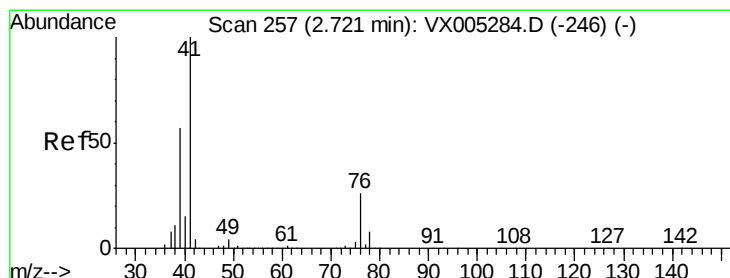
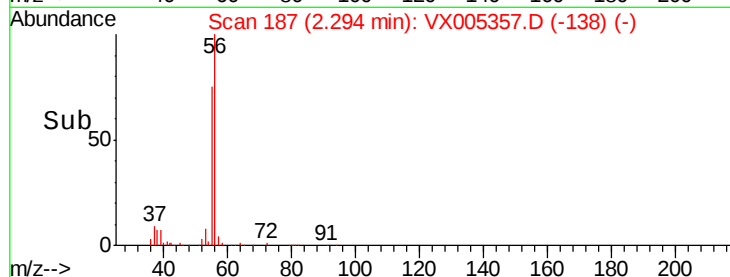
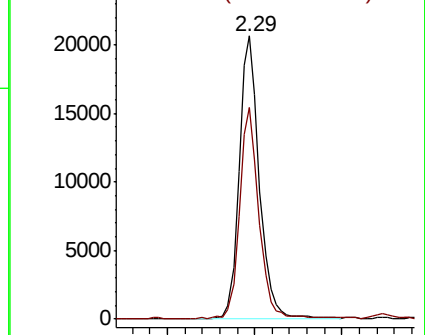
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.017 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

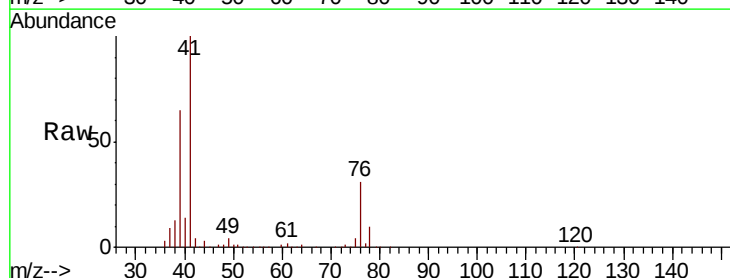
Tgt Ion: 41 Resp: 94446

Ion Ratio Lower Upper

41 100

39 59.6 48.9 73.3

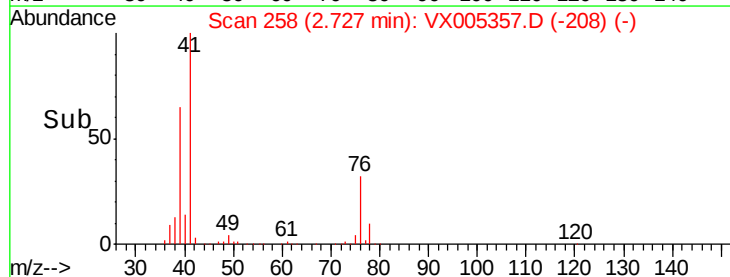
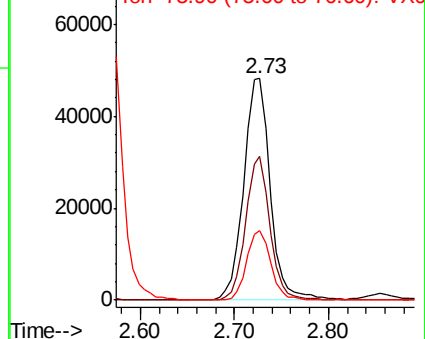
76 29.2 26.7 40.1

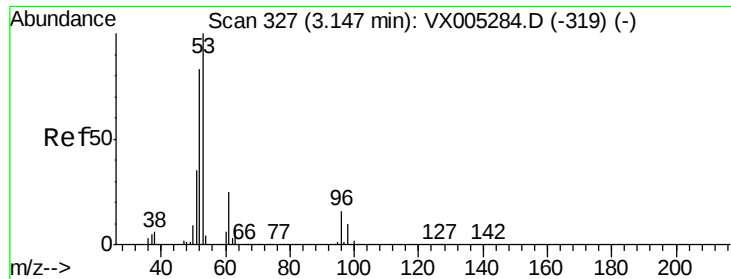


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 92.018 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

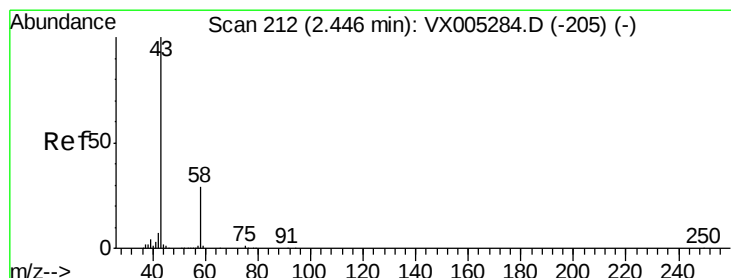
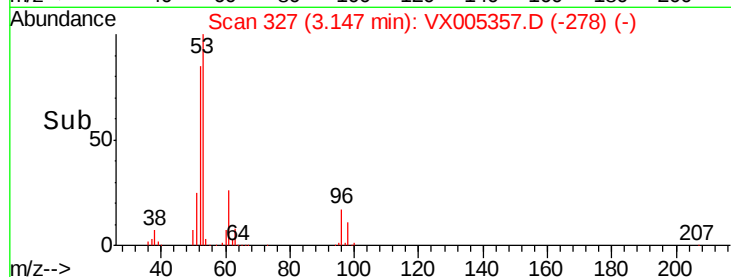
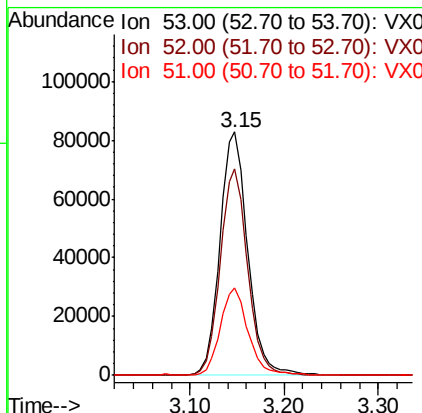
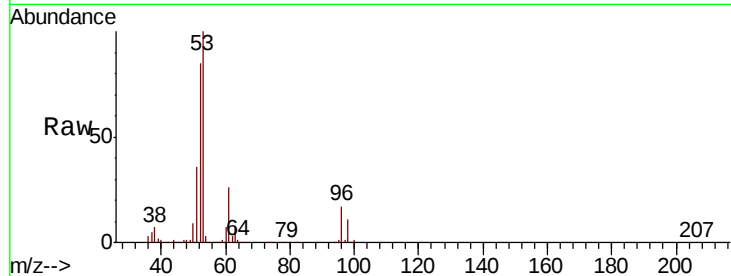
ClientSampleId :

VX1016WBS01

Tot Ion:	53	Resp:	168606
Ion Ratio	Lower	Upper	
53	100		
52	83.3	65.2	97.8
51	36.2	28.2	42.2

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#16

Acetone

Concen: 94.327 ug/l

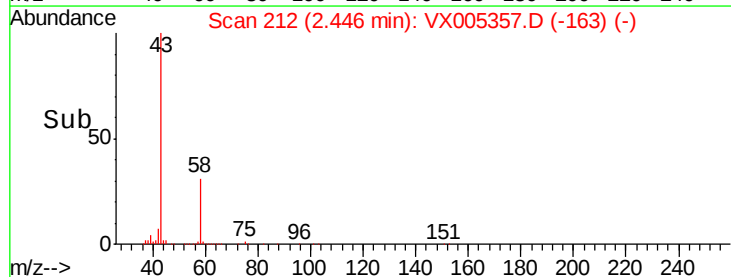
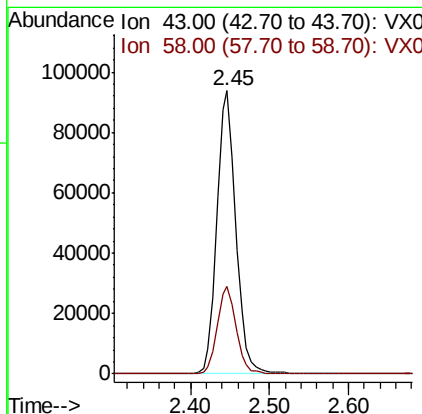
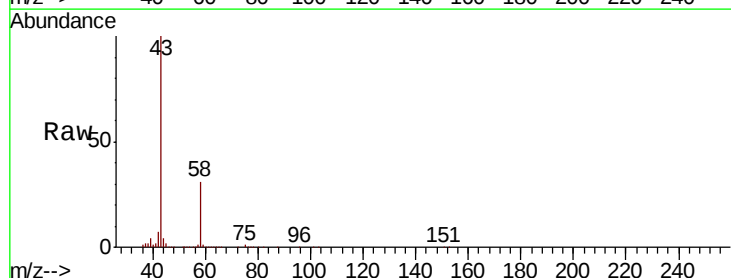
RT: 2.45 min Scan# 212

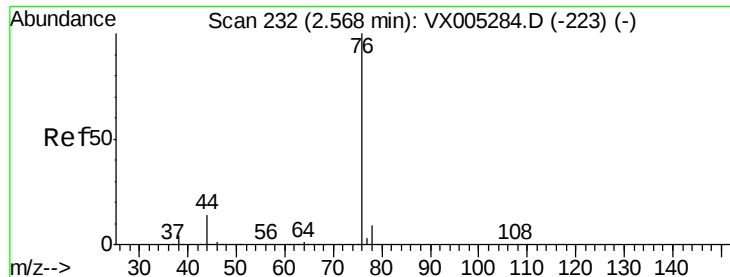
Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Tgt Ion:	43	Resp:	156334
Ion Ratio	Lower	Upper	
43	100		
58	31.0	26.2	39.4





#17

Carbon Disulfide

Concen: 18.072 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 76 Resp: 123836

Ion Ratio Lower Upper

76 100

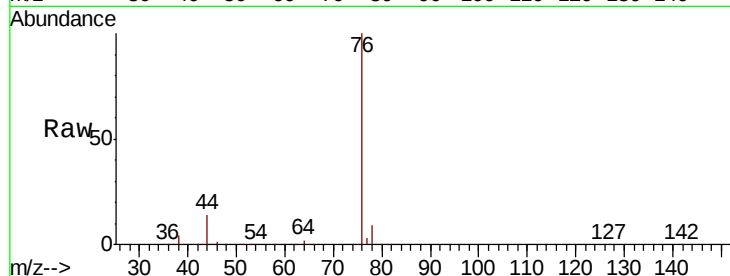
78 9.0 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

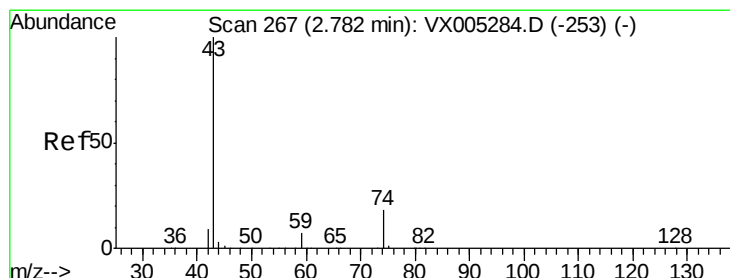
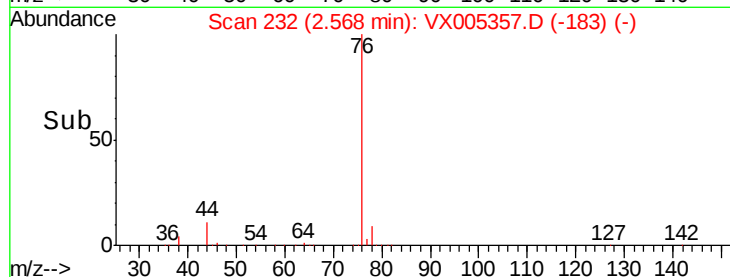
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.457 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005357.D

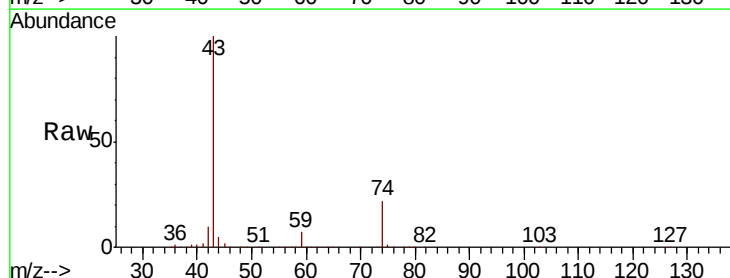
Acq: 16 Oct 2018 09:13

Tgt Ion: 43 Resp: 91744

Ion Ratio Lower Upper

43 100

74 21.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

60000

50000

40000

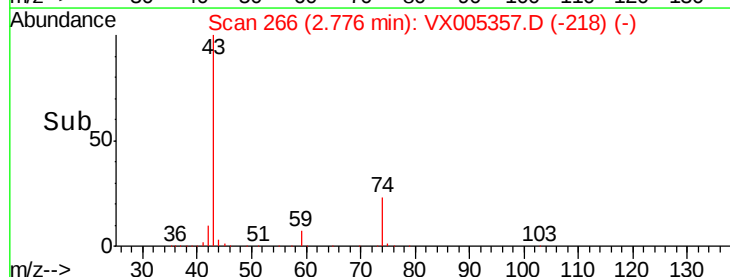
30000

20000

10000

0

Time-->





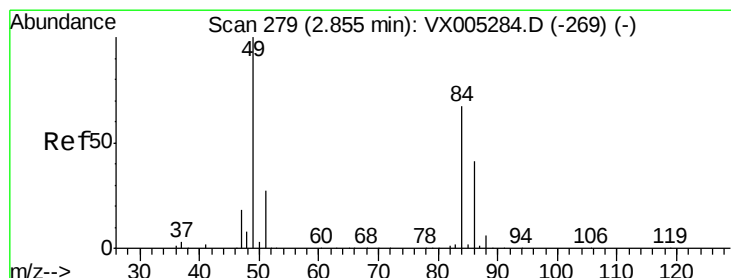
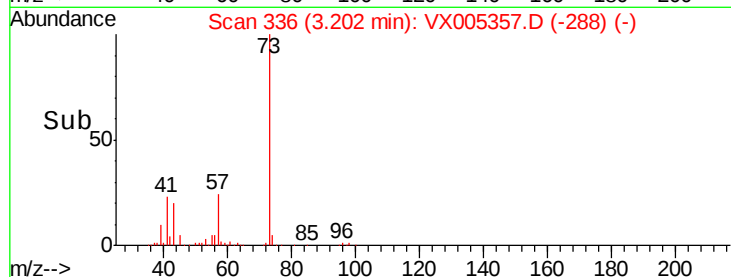
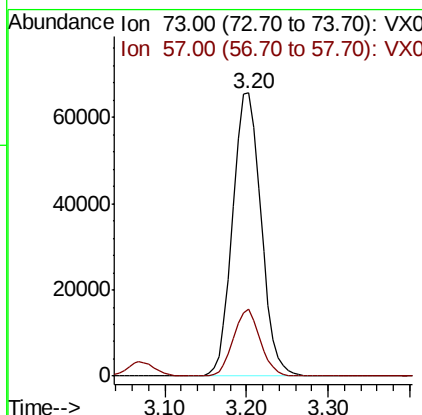
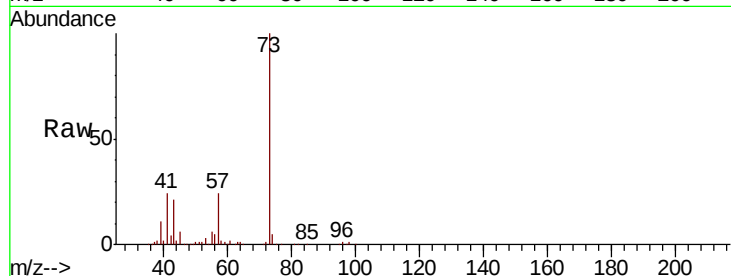
#19
Methyl tert-butyl Ether
Concen: 19.843 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.1	25.7

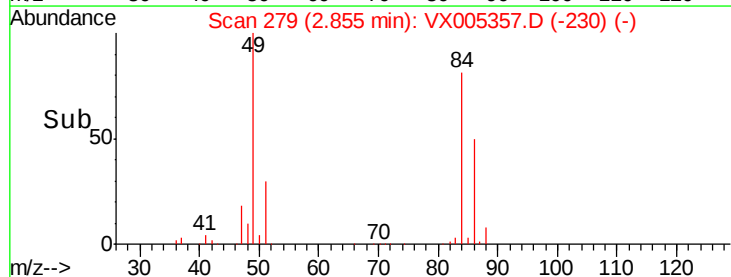
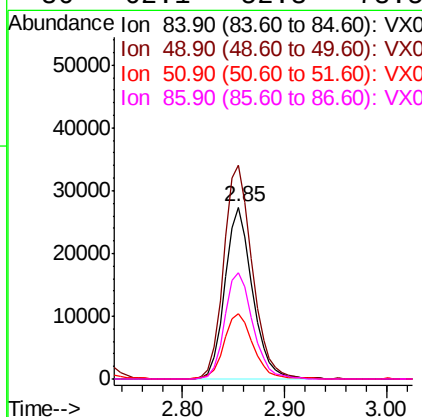
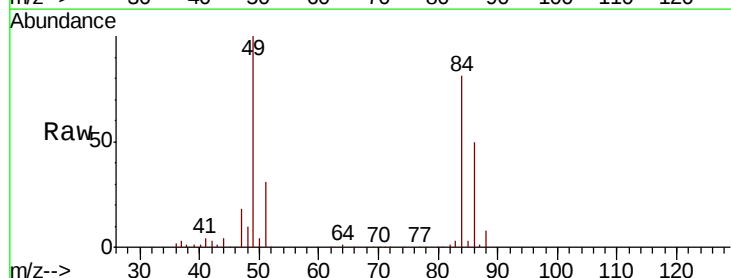
Manual Integrations
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#20
Methylene Chloride
Concen: 20.367 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	101.2	151.8
51	38.1	29.5	44.3
86	62.1	52.3	78.5





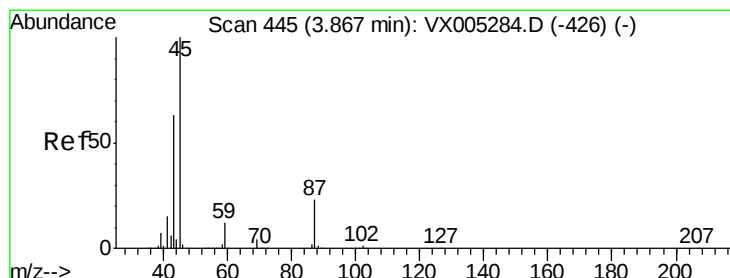
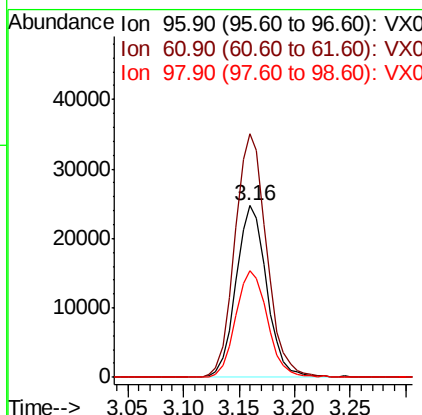
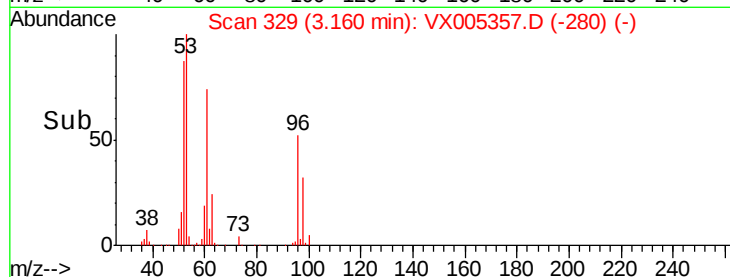
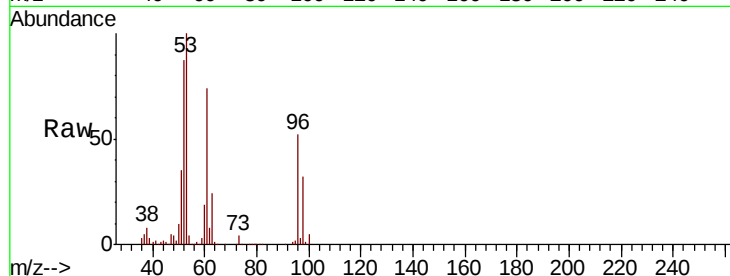
#21
trans-1,2-Dichloroethene
Concen: 18.891 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	113.8	170.6
98	62.0	51.8	77.8

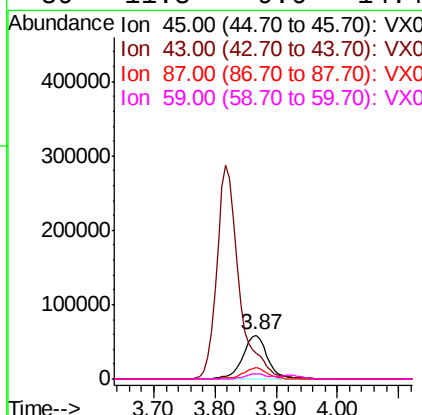
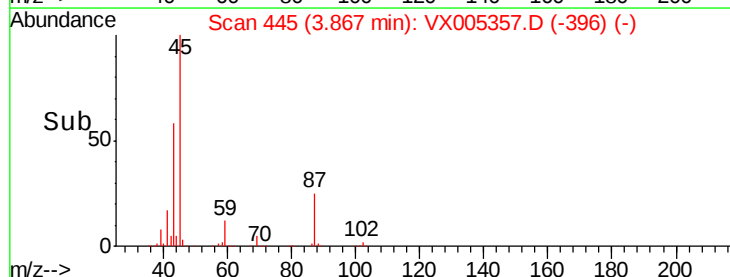
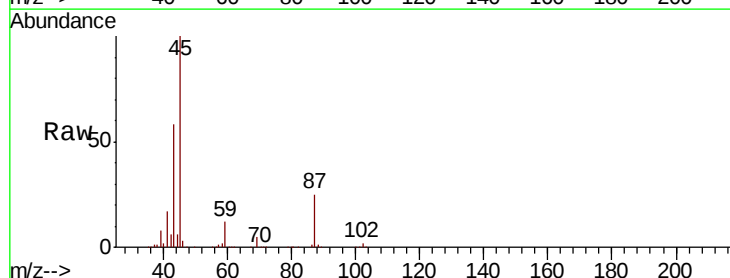
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#22
Diisopropyl ether
Concen: 19.771 ug/l
RT: 3.87 min Scan# 445
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	42.8	64.2
87	24.8	22.6	34.0
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 101.151 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 43 Resp: 737489

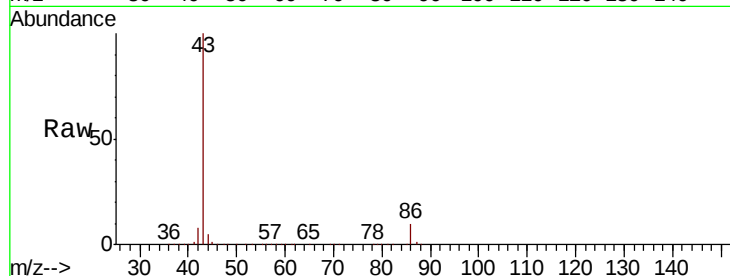
Ion Ratio Lower Upper

43 100

86 9.6 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

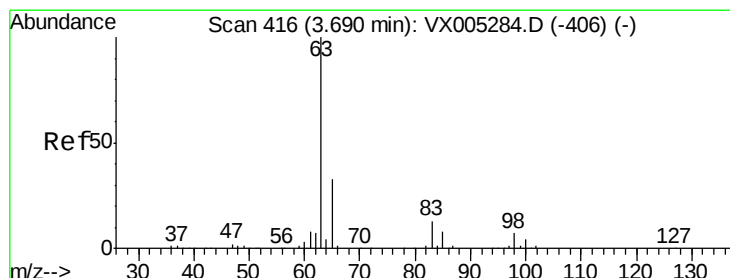
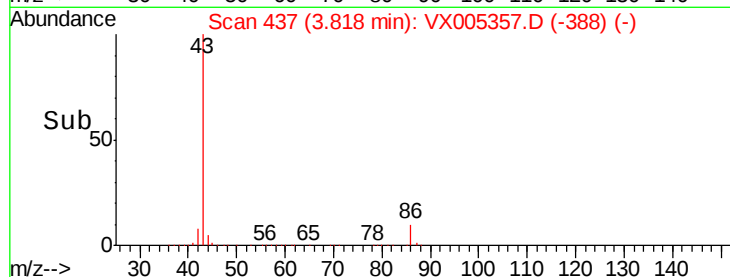
200000

100000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.516 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

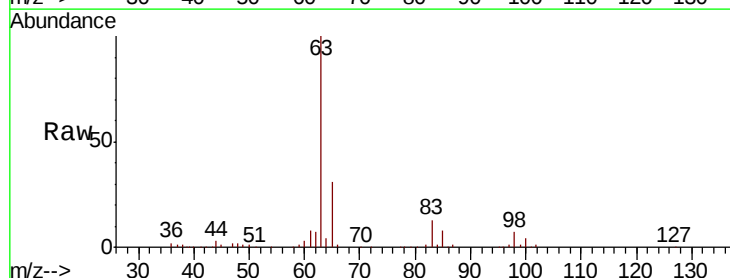
Tgt Ion: 63 Resp: 93301

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 3.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

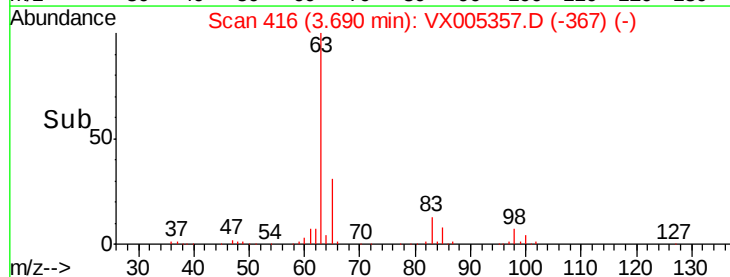
20000

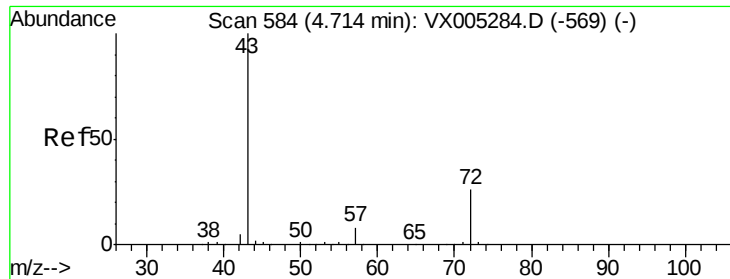
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 88.811 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 43 Resp: 215359

Ion Ratio Lower Upper

43 100

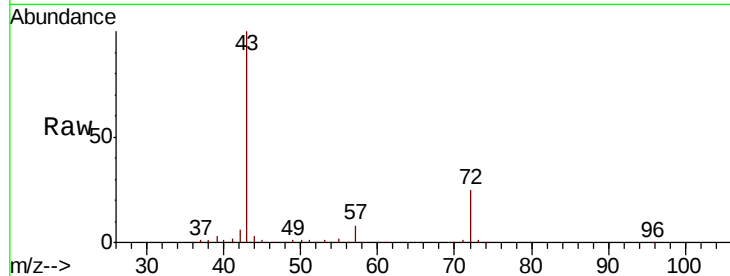
72 25.3 22.0 33.0

Manual Integrations

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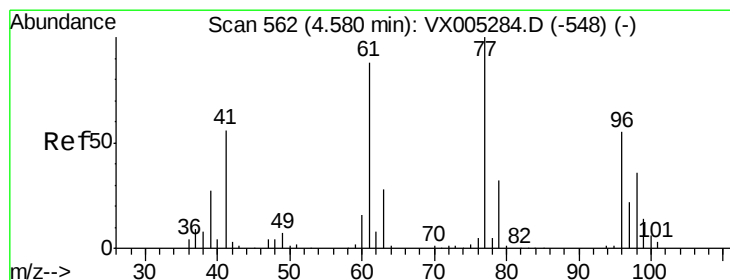
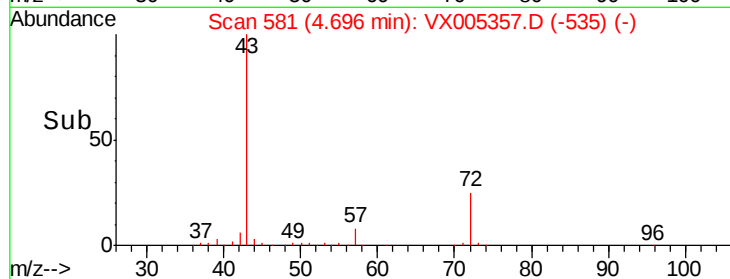
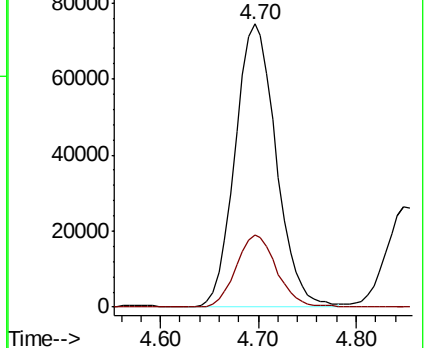
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.487 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005357.D

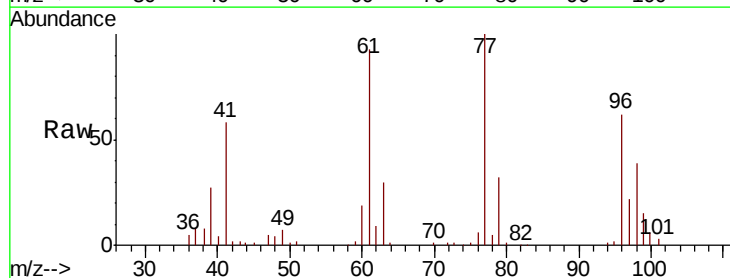
Acq: 16 Oct 2018 09:13

Tgt Ion: 77 Resp: 69675

Ion Ratio Lower Upper

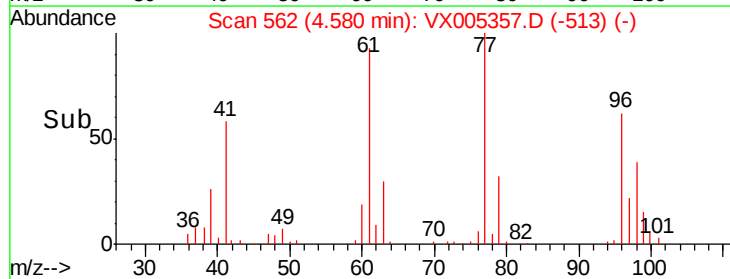
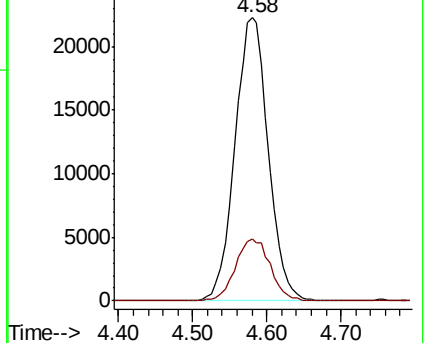
77 100

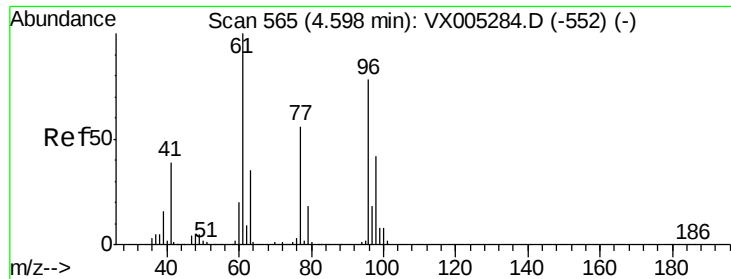
97 22.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

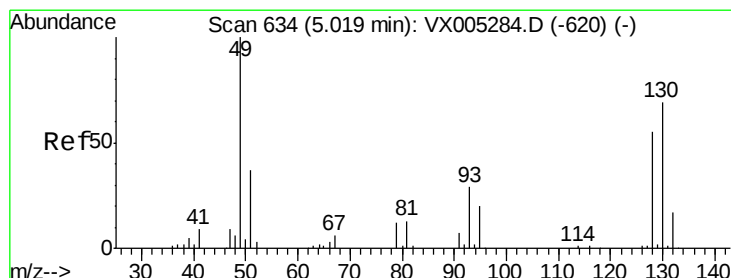
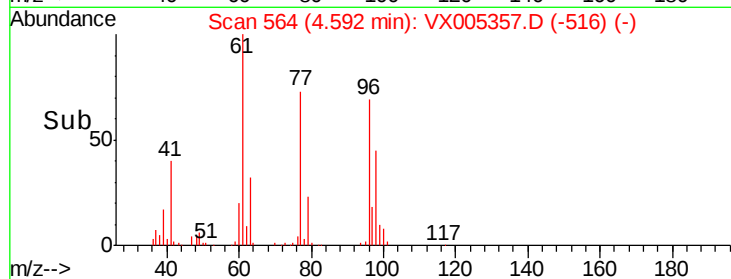
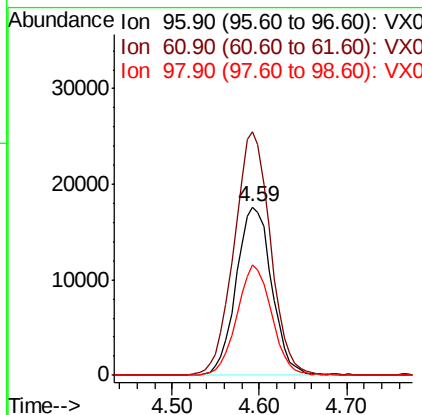
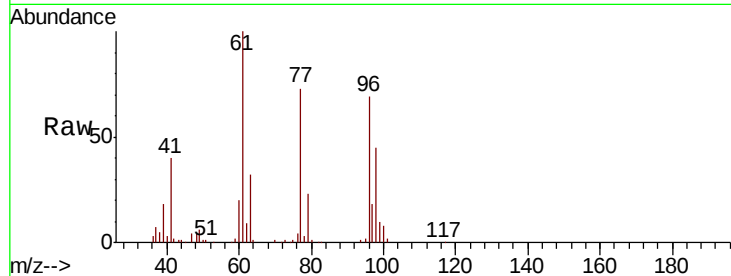
cis-1,2-Dichloroethene
Concen: 18.275 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.2	0.0	282.6	
98	64.2	0.0	130.2	

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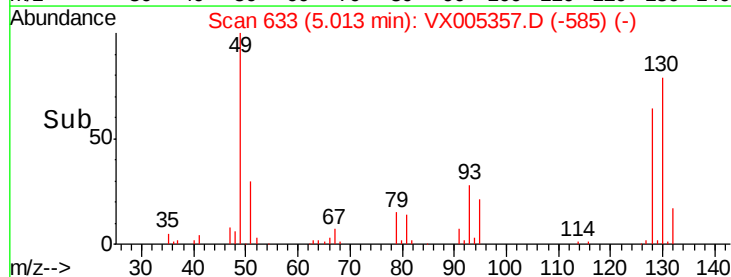
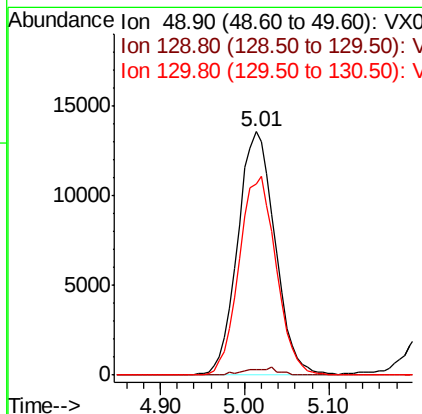
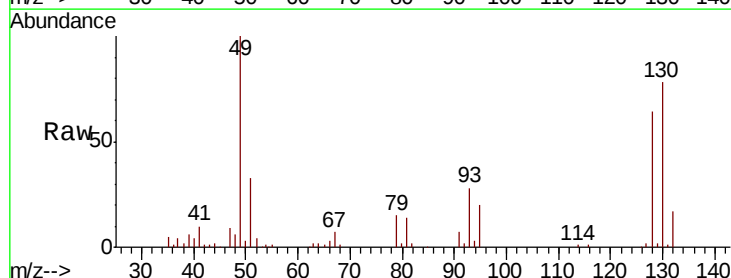
MMDadoda
10/17/2018 9:34:21 AM

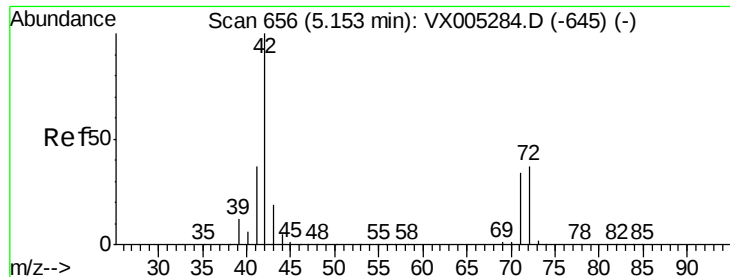


#28

Bromochloromethane
Concen: 18.724 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.2	
130	81.1	67.5	101.3	





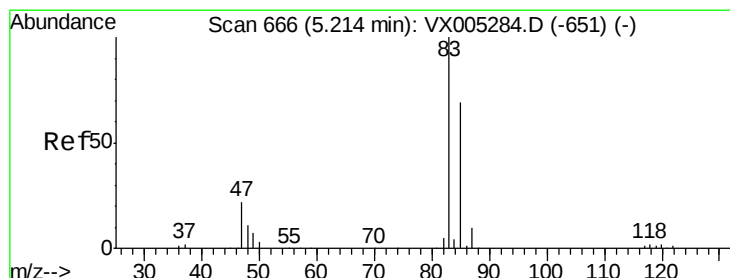
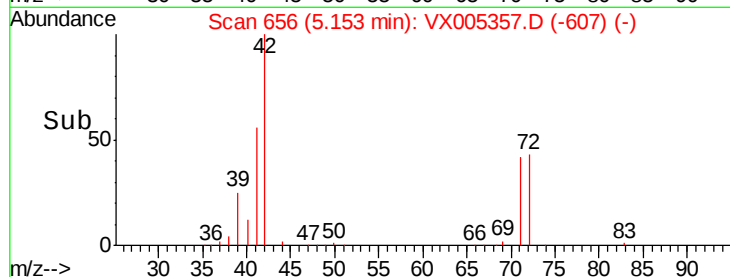
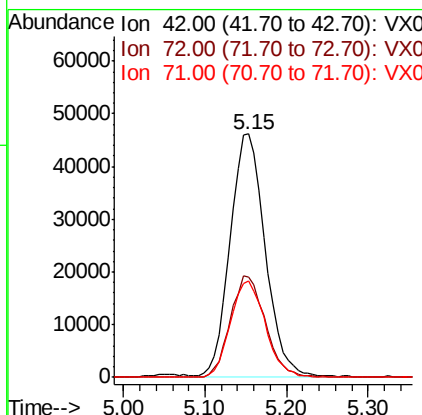
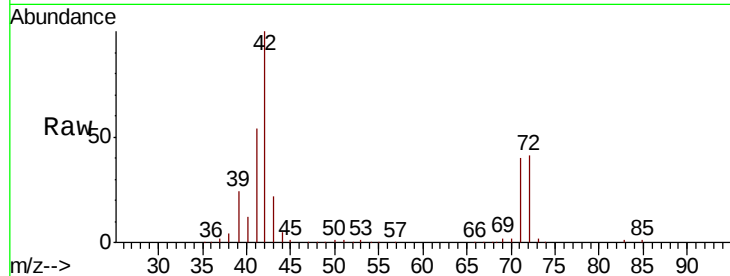
#29
Tetrahydrofuran
Concen: 88.340 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	37.4	56.0
71	39.8	34.5	51.7

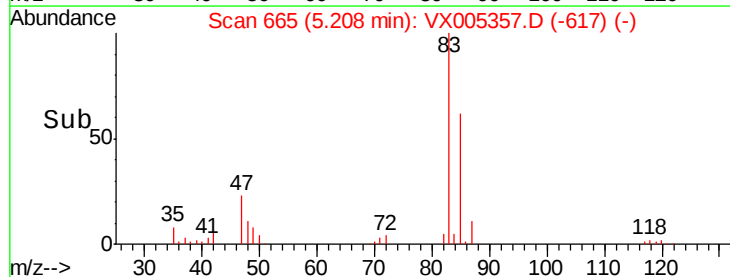
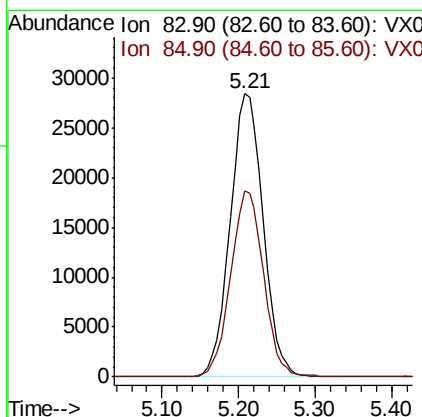
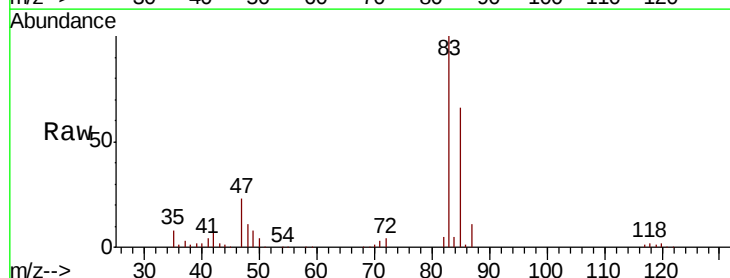
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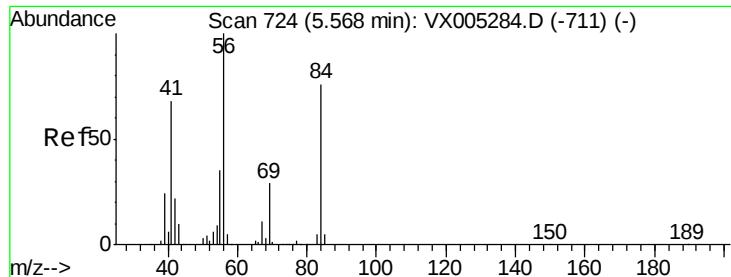
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10/17/2018 9:34:21 AM



#30
Chloroform
Concen: 19.117 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	79.0





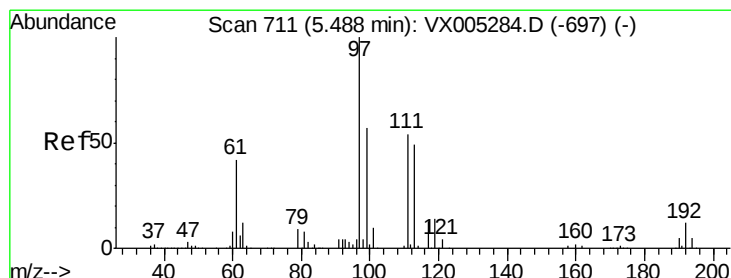
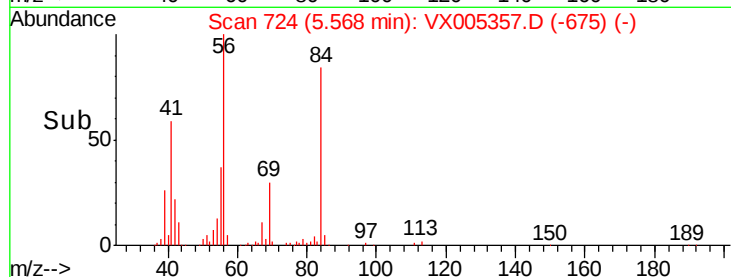
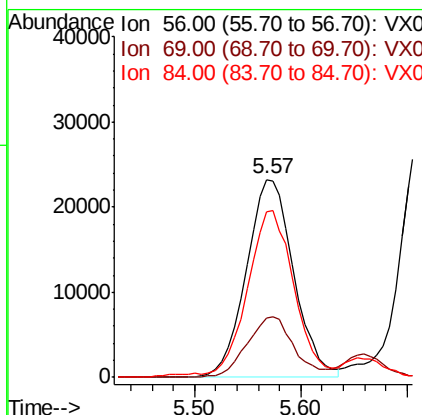
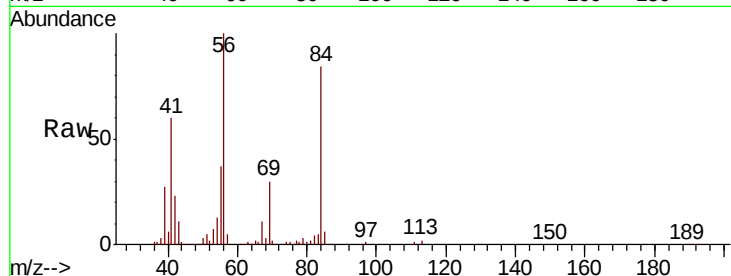
#31
Cyclohexane
Concen: 18.337 ug/l
RT: 5.57 min Scan# 724
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	25.4	38.2
84	82.2	71.4	107.2

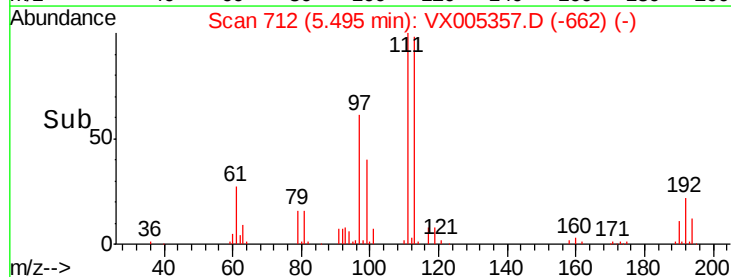
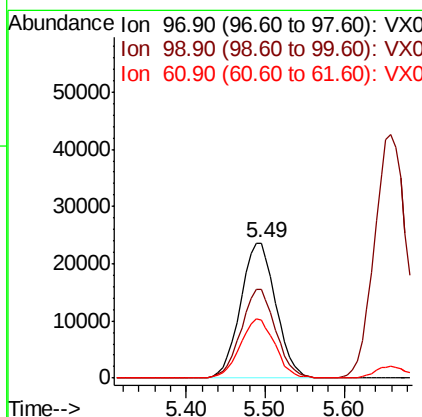
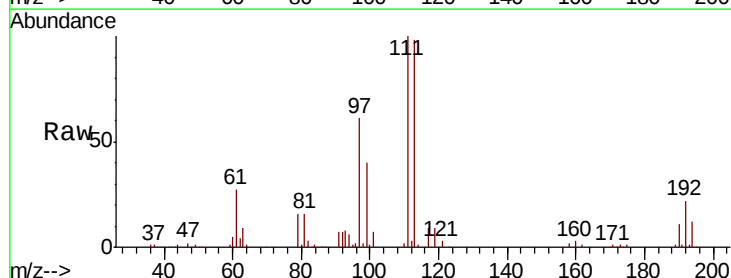
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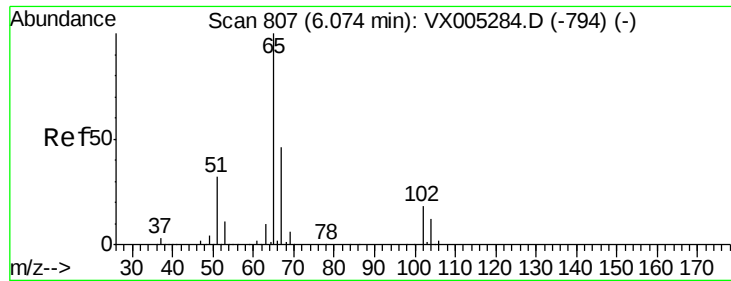
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.058 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	43.2	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 46.866 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 65 Resp: 134340

Ion Ratio Lower Upper

65 100

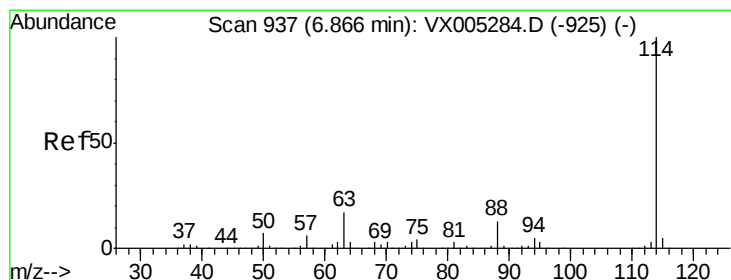
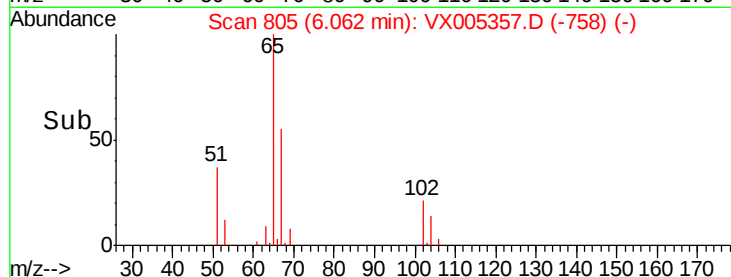
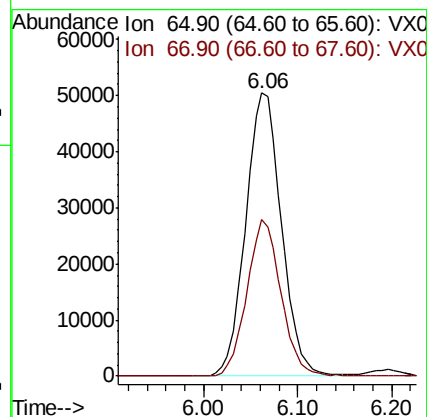
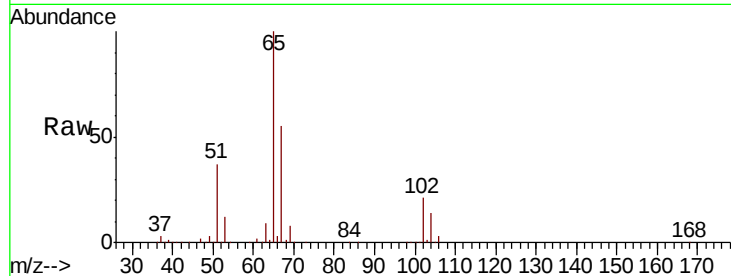
67 52.7 0.0 106.8

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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: VX005357.D

Acq: 16 Oct 2018 09:13

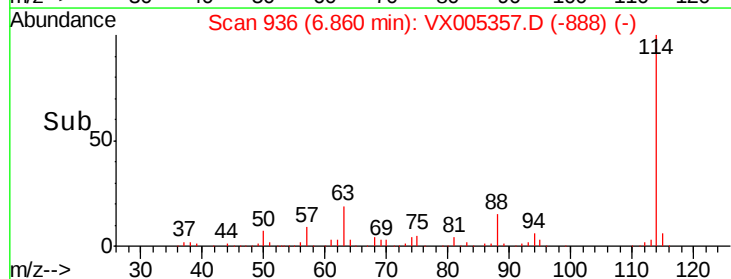
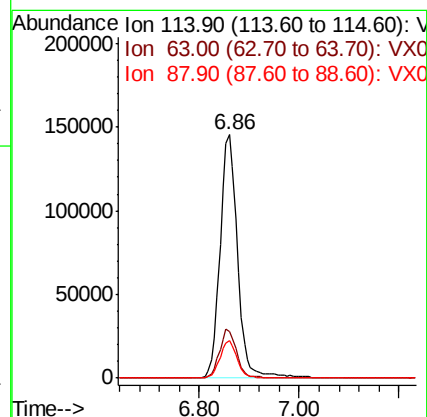
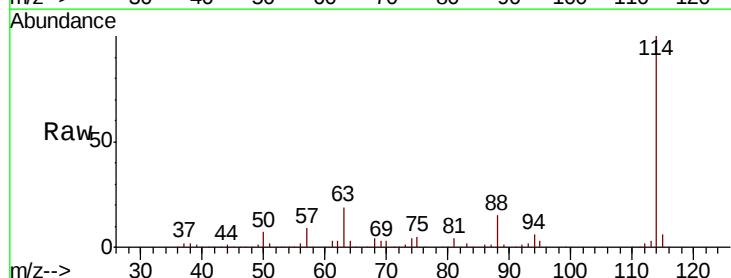
Tgt Ion: 114 Resp: 354706

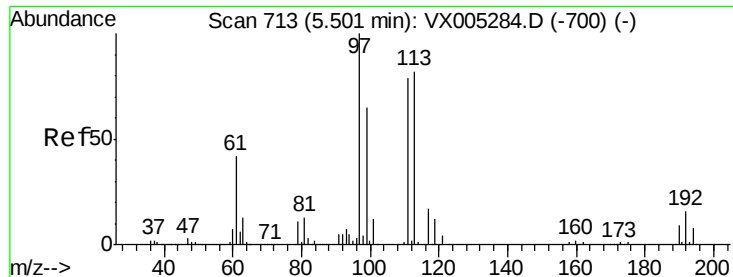
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.0

88 15.5 0.0 30.4





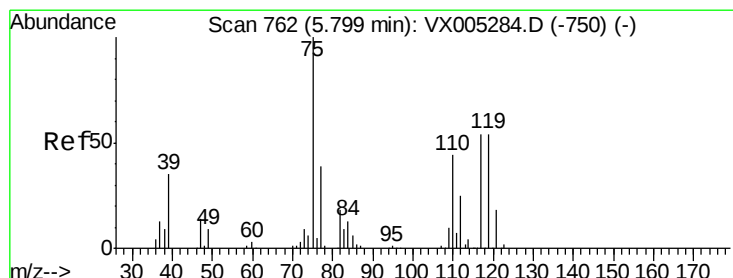
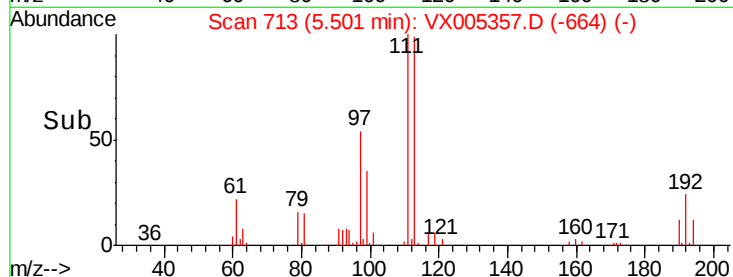
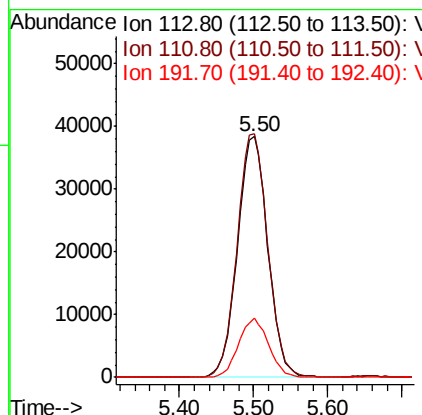
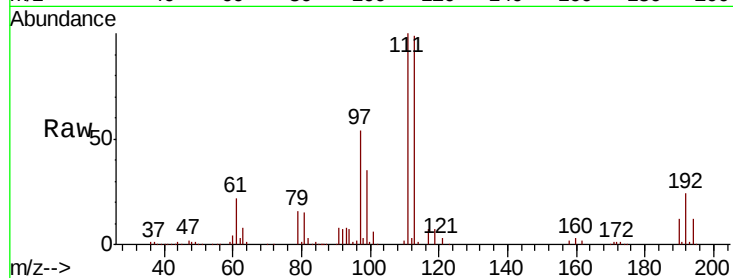
#35
Dibromofluoromethane
Concen: 46.806 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.9	82.4	123.6	
192	24.2	19.4	29.2	

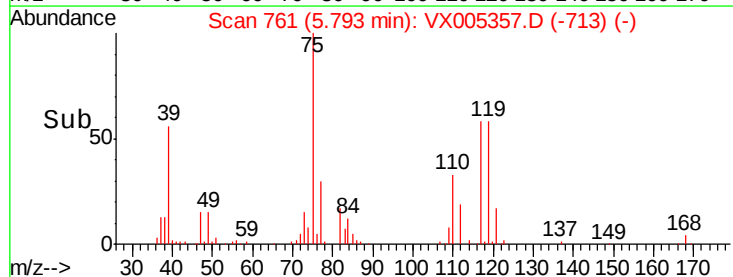
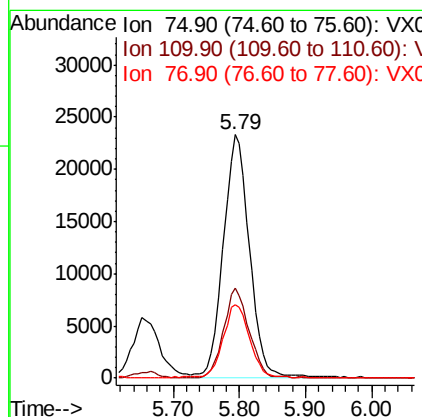
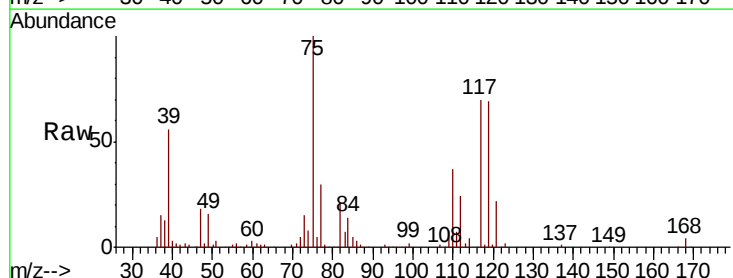
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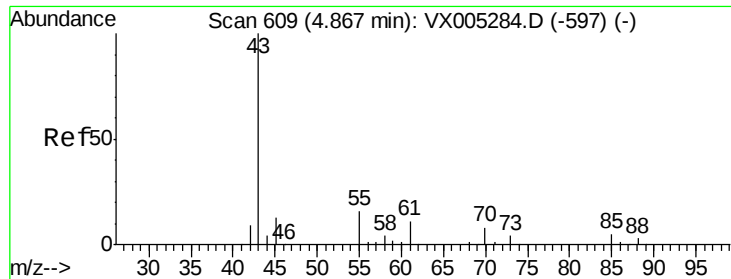
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#36
1,1-Dichloropropene
Concen: 18.541 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.0	54.0	
77	30.2	24.6	36.8	





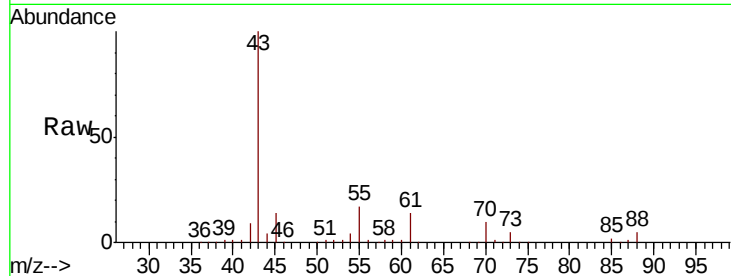
#37
Ethyl Acetate
Concen: 17.808 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.02 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	10.3	9.0	13.6

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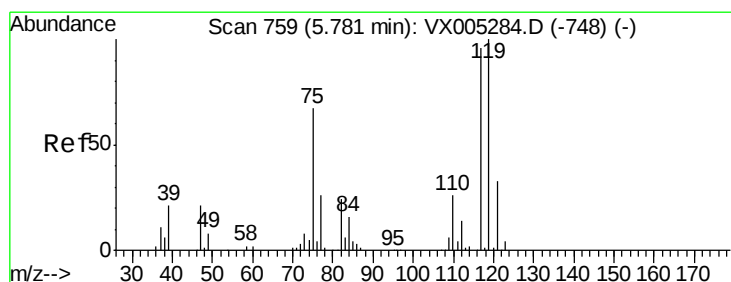
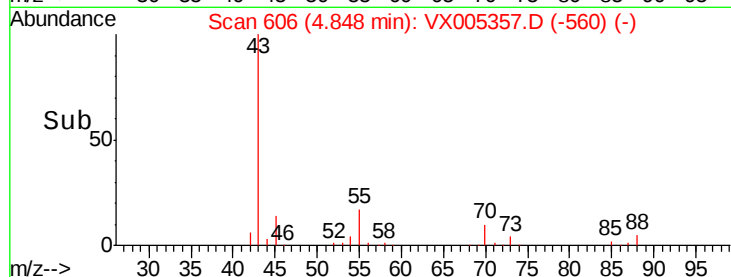
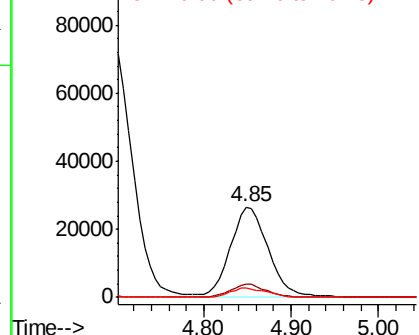


Abundance

Ion 43.00 (42.70 to 43.70): VX005284.D (-597) (-)

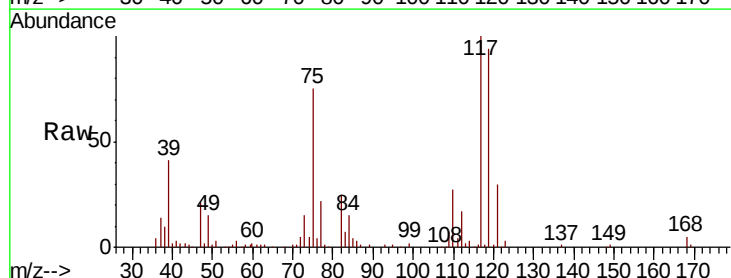
Ion 60.90 (60.60 to 61.60): VX005284.D (-597) (-)

Ion 70.00 (69.70 to 70.70): VX005284.D (-597) (-)



#38
Carbon Tetrachloride
Concen: 19.078 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.8	118.2
121	29.8	24.9	37.3

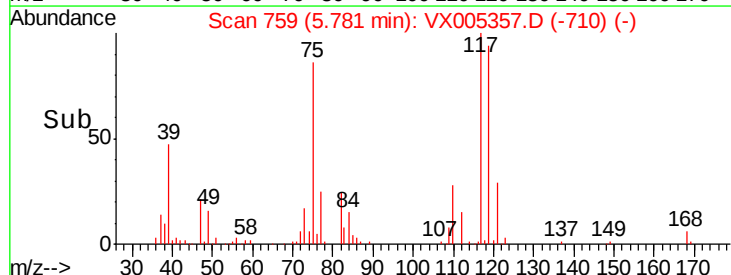
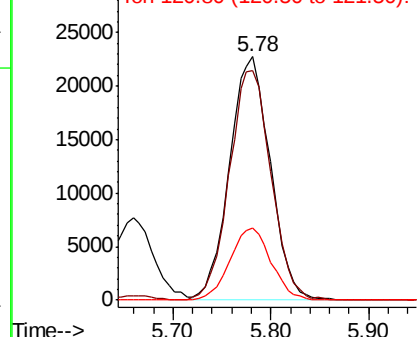


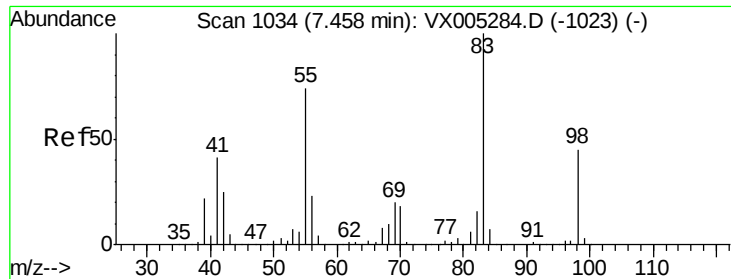
Abundance

Ion 116.80 (116.50 to 117.50): VX005284.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005284.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005284.D (-748) (-)





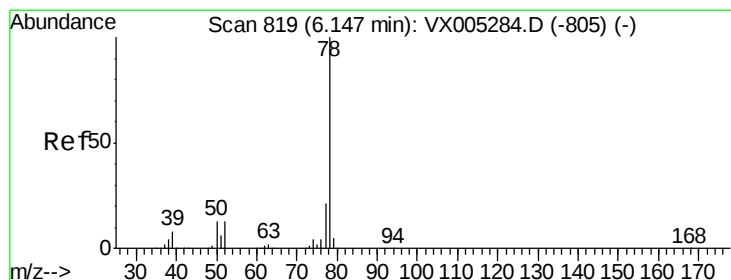
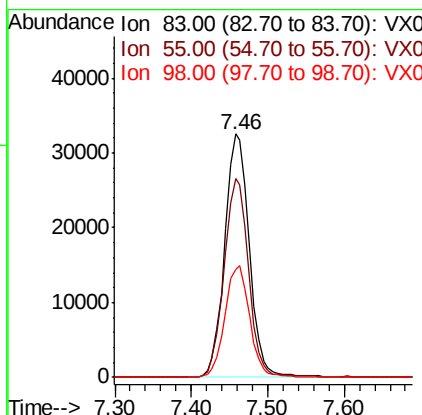
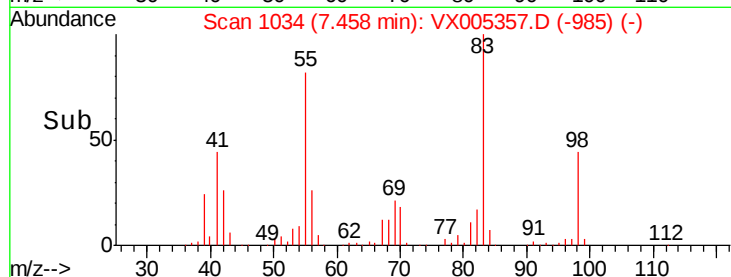
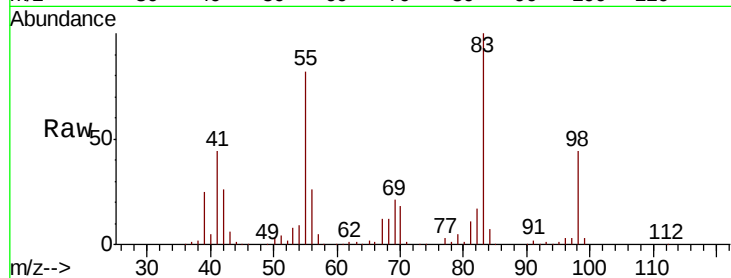
#39
Methylvlcyclohexane
Concen: 19.507 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.0	91.4
98	44.2	39.6	59.4

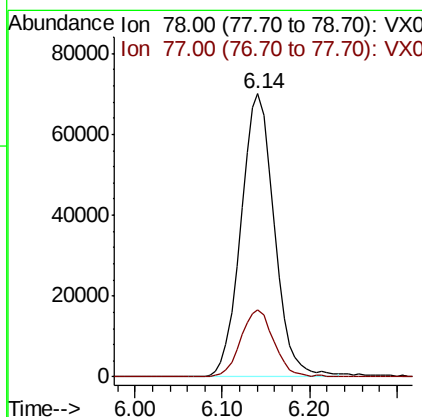
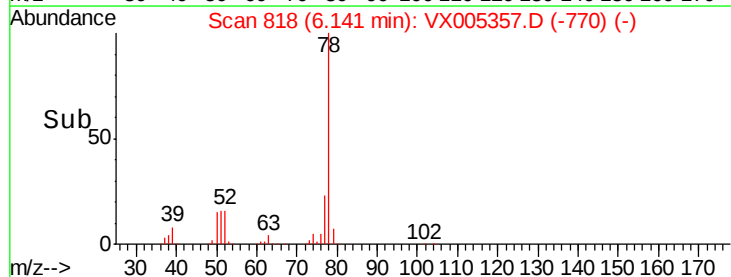
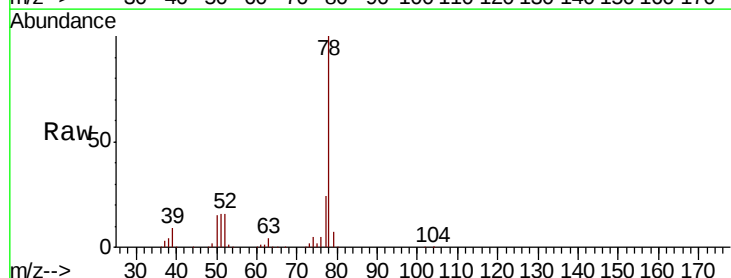
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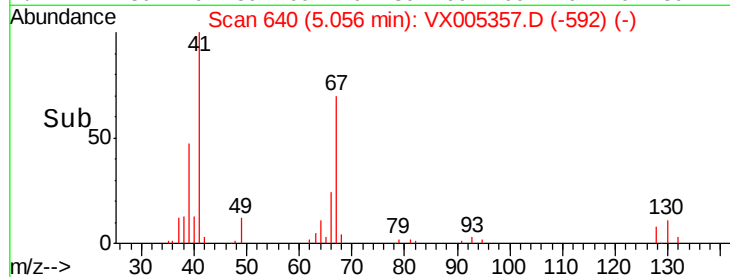
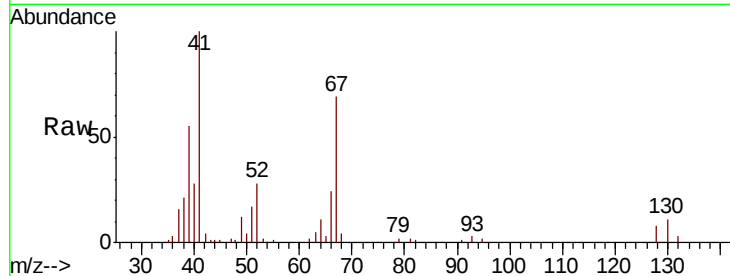
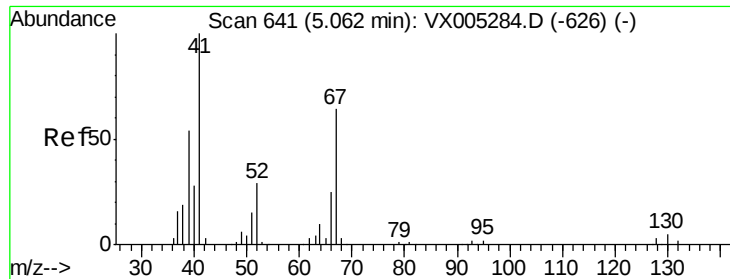
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#40
Benzene
Concen: 18.038 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 17.877 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Tot Ion:	41	Resp:	42340
Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.4	63.6
67	70.0	59.2	88.8
52	29.3	23.0	34.4

Instrument :

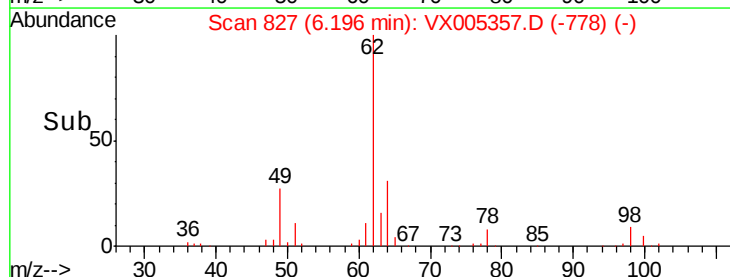
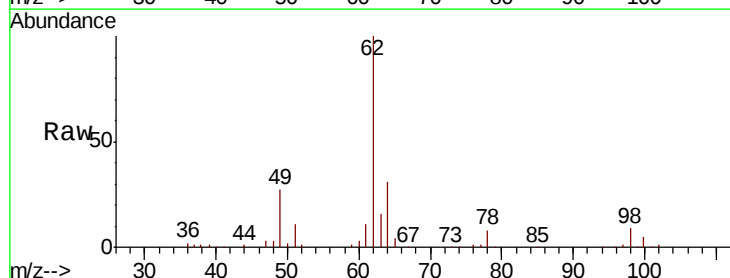
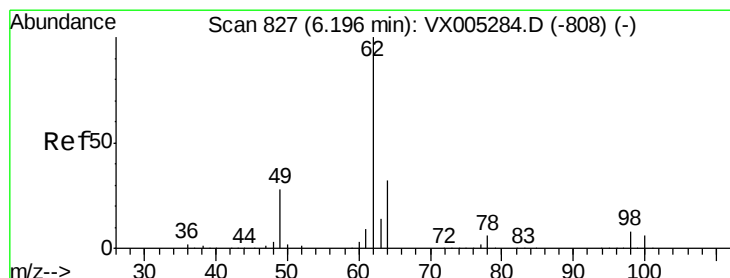
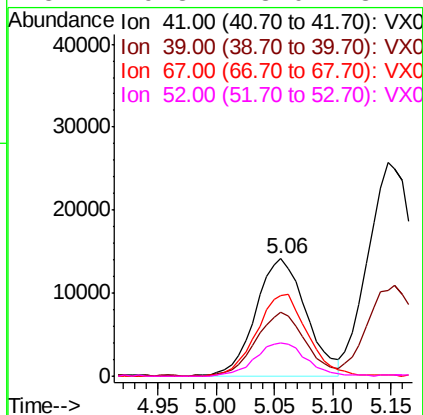
MSVOA_X

ClientSampleId :

VX1016WBS01

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#42

1,2-Dichloroethane

Concen: 18.594 ug/l

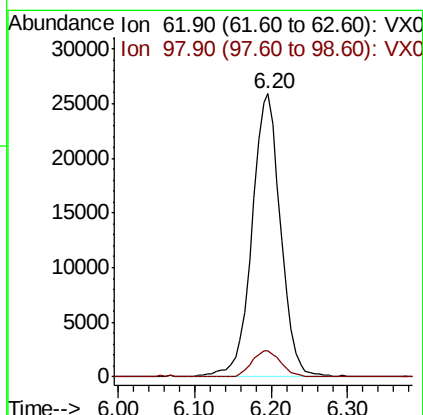
RT: 6.20 min Scan# 827

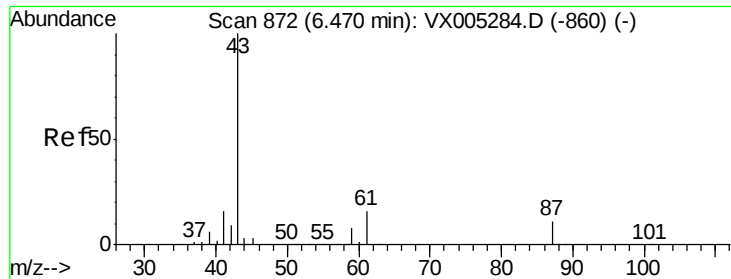
Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Tgt Ion:	62	Resp:	67659
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.6





#43

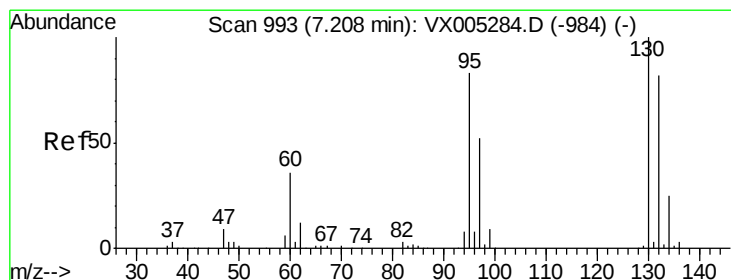
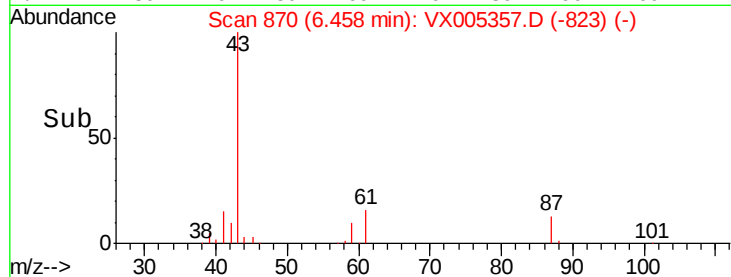
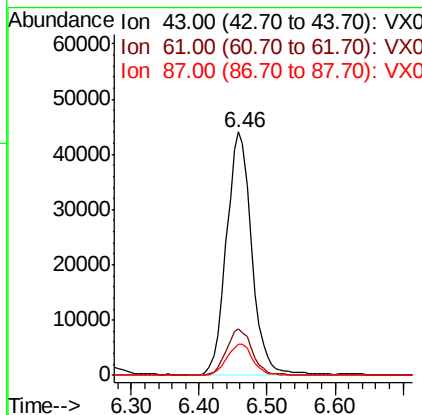
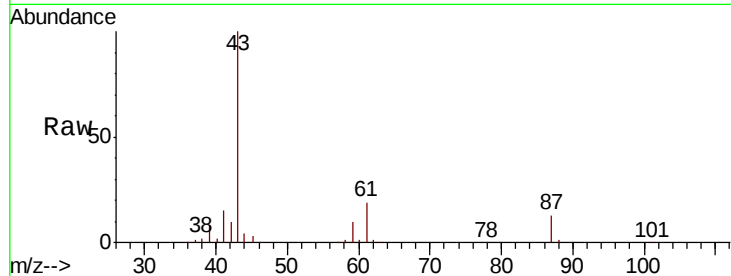
Isopropyl Acetate
 Concen: 19.210 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005357.D
 Acq: 16 Oct 2018 09:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	17.0	25.4
87	13.1	11.4	17.2

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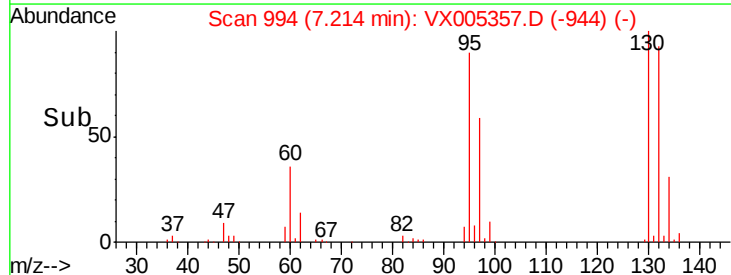
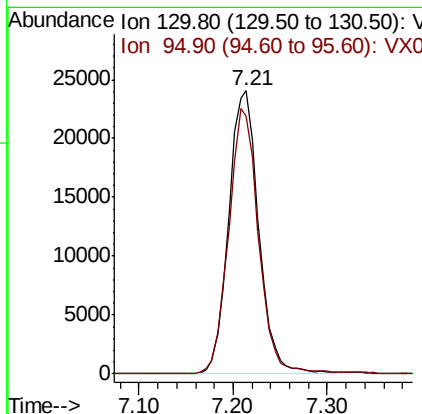
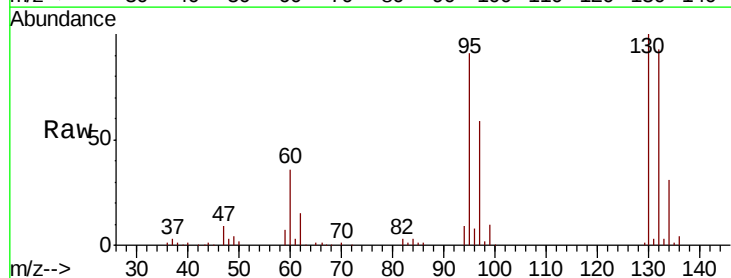
MMDadoda
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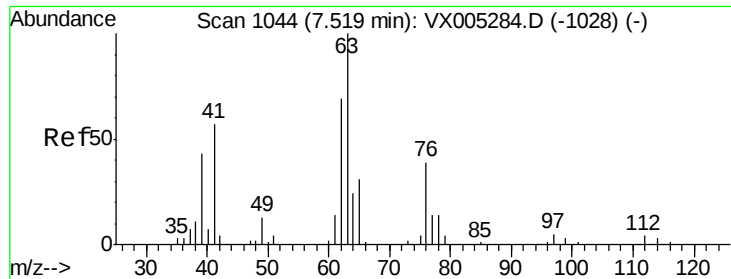


#44

Trichloroethene
 Concen: 19.816 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005357.D
 Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.285 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 63 Resp: 48749

Ion Ratio Lower Upper

63 100

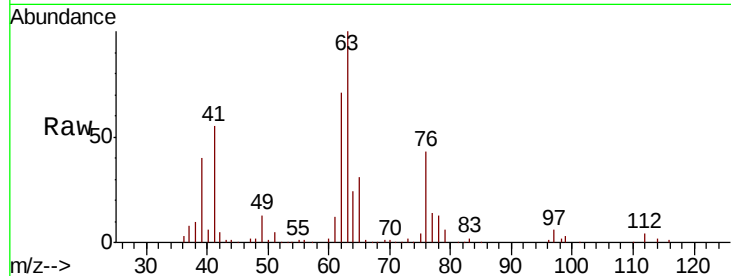
65 31.5 24.3 36.5

Manual Integrations

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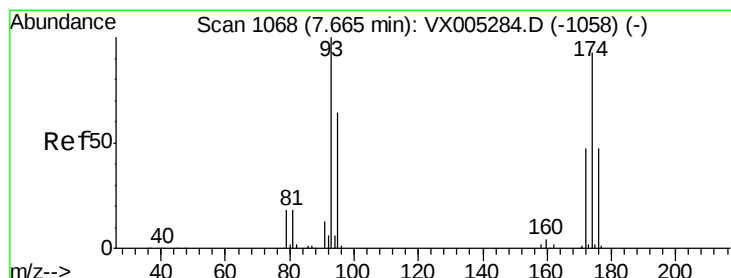
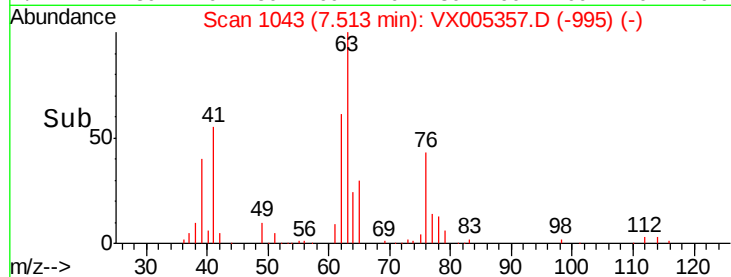
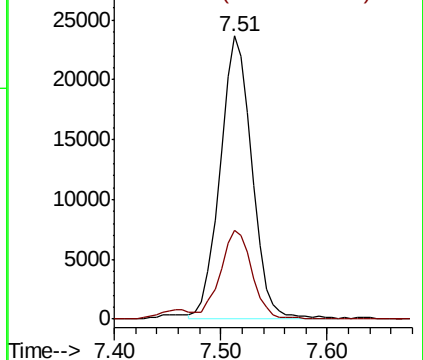
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.468 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

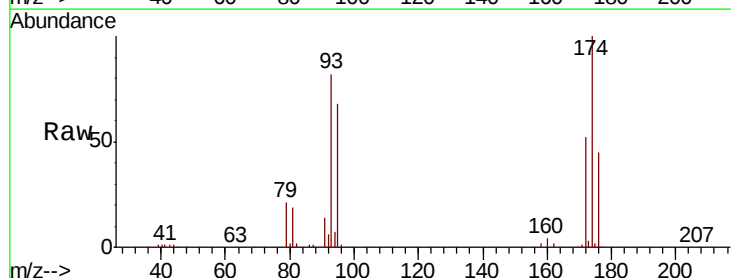
Tgt Ion: 93 Resp: 32481

Ion Ratio Lower Upper

93 100

95 83.3 65.5 98.3

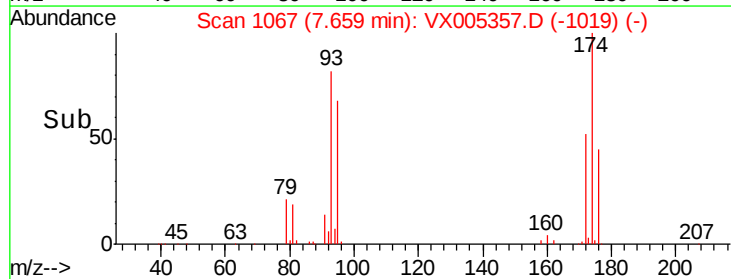
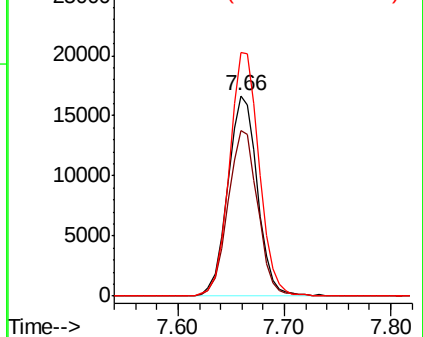
174 121.9 94.2 141.4

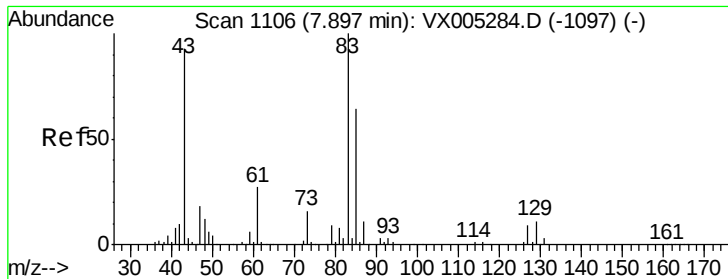


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





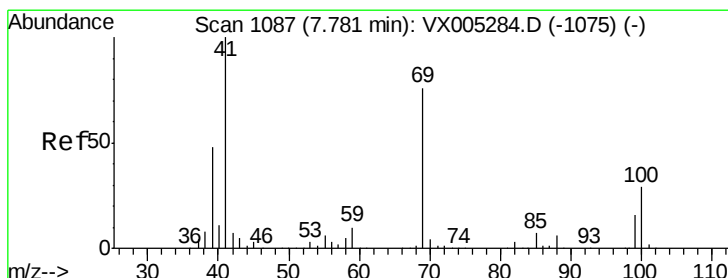
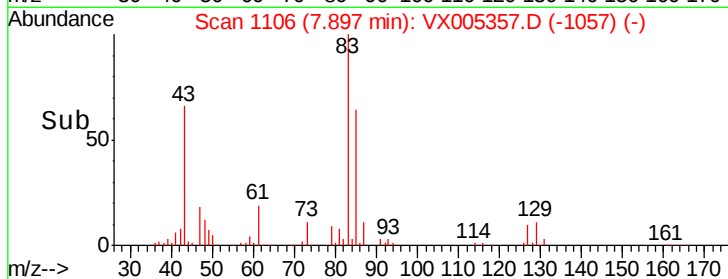
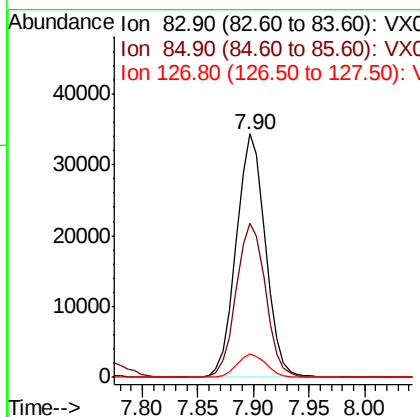
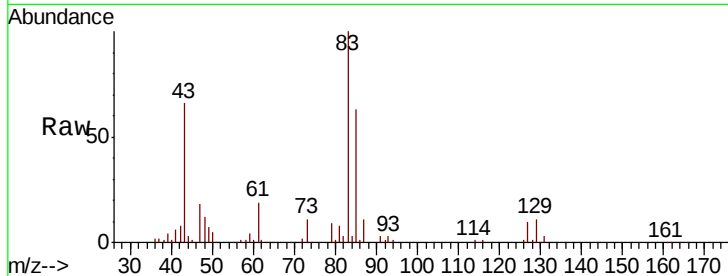
#47
Bromodichloromethane
Concen: 20.221 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	83	Resp	62404
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	50.9	76.3
127	9.6	7.3	10.9

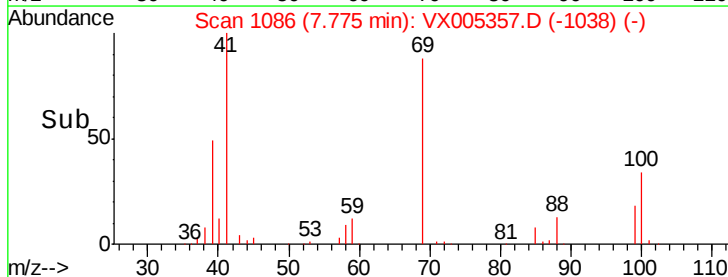
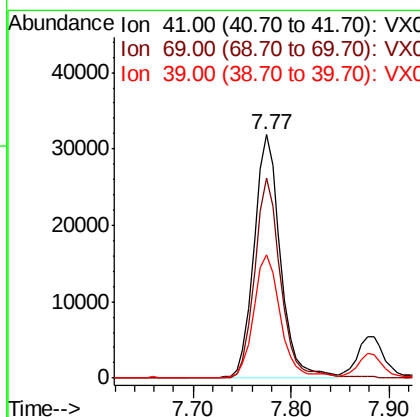
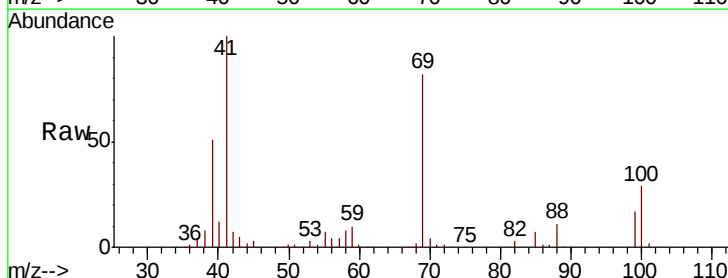
Manual Integrations
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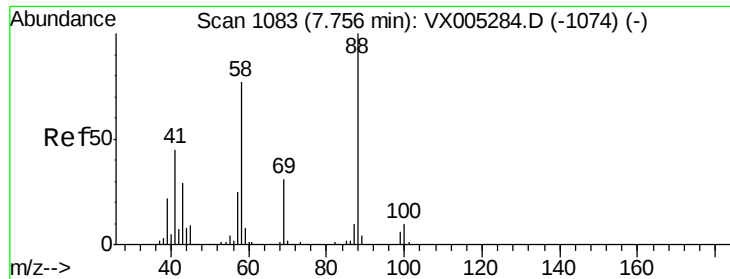
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#48
Methyl methacrylate
Concen: 19.561 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	41	Resp	59704
Ion Ratio	100	Lower	Upper
41	100		
69	81.3	70.2	105.4
39	51.6	42.7	64.1





#49

1,4-Dioxane

Concen: 395.922 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

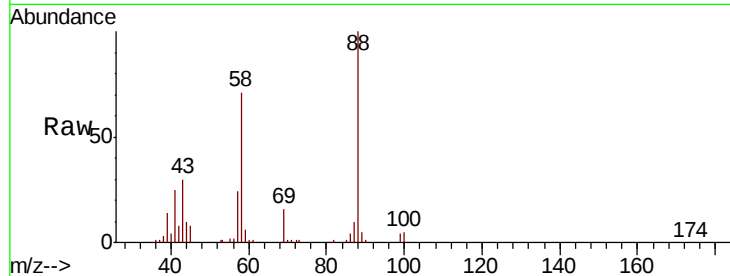
ClientSampleId :

VX1016WBS01

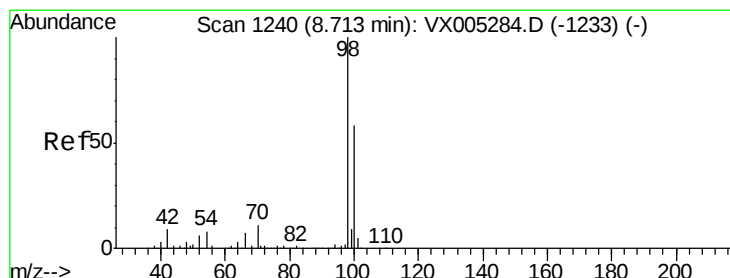
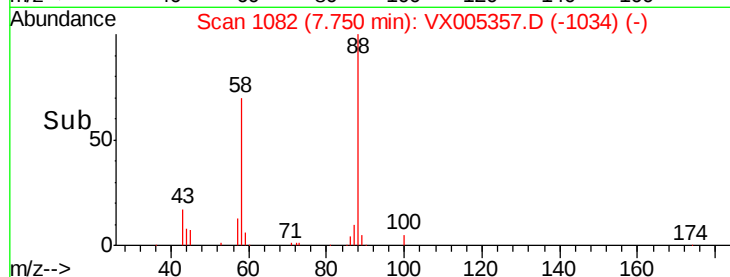
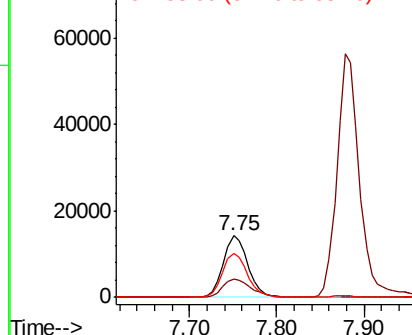
Tot Ion:	88	Resp:	27873
Ion	Ratio	Lower	Upper
88	100		
43	33.6	24.7	37.1
58	73.5	55.3	82.9

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.127 ug/l

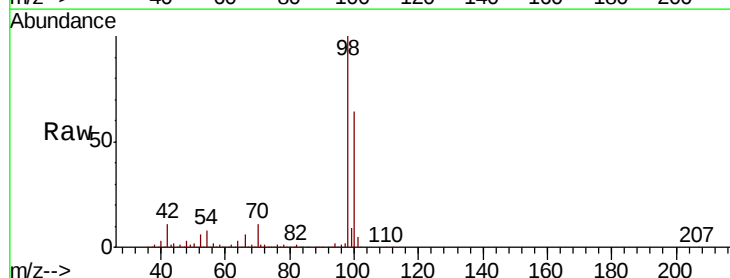
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

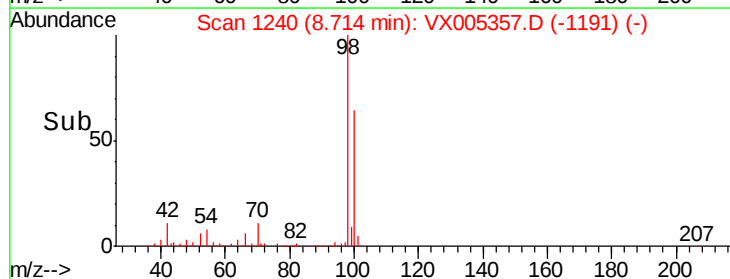
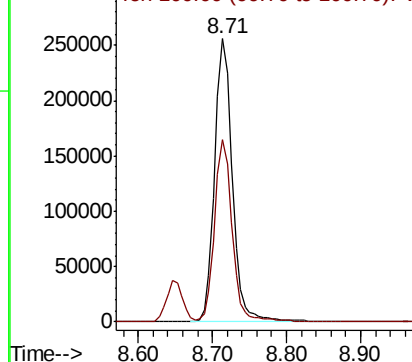
Lab File: VX005357.D

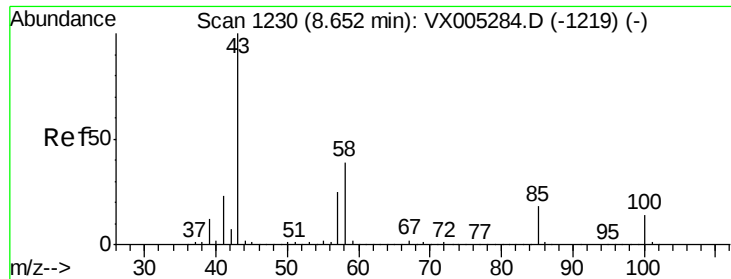
Acq: 16 Oct 2018 09:13

Tgt Ion:	98	Resp:	420419
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 100.890 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 43 Resp: 411115

Ion Ratio Lower Upper

43 100

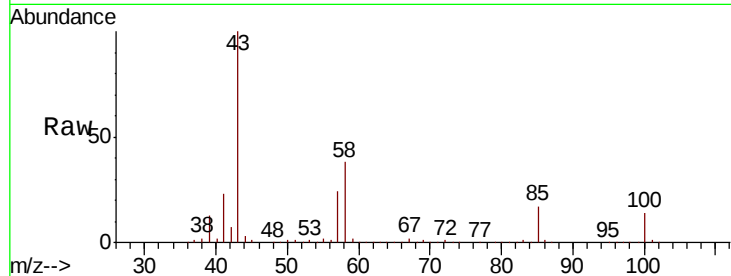
58 37.7 33.1 49.7

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Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-1219) (-)

Ion 58.00 (57.70 to 58.70): VX005284.D (-1219) (-)

8.65

250000

200000

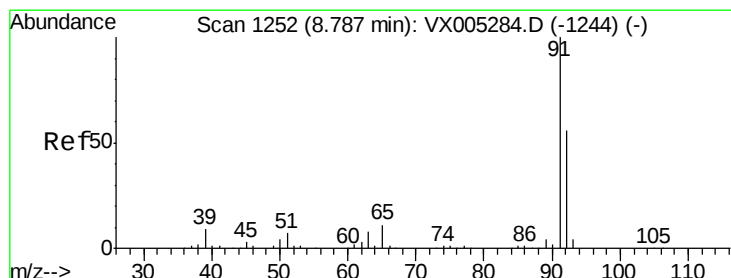
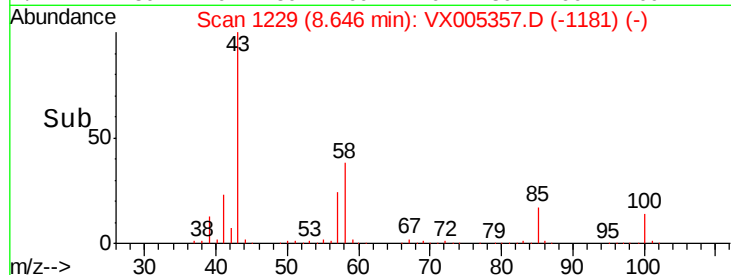
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.134 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005357.D

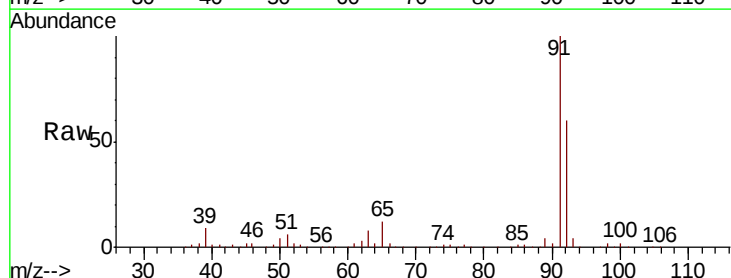
Acq: 16 Oct 2018 09:13

Tgt Ion: 92 Resp: 119151

Ion Ratio Lower Upper

92 100

91 175.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX005284.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1244) (-)

8.79

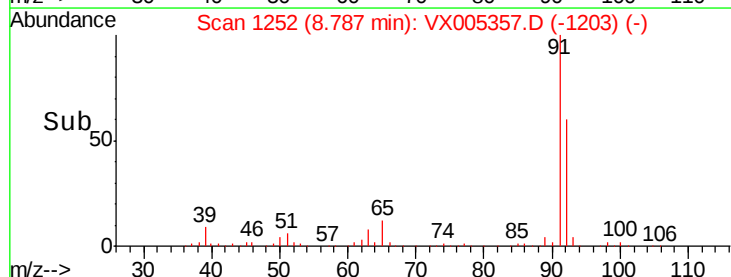
150000

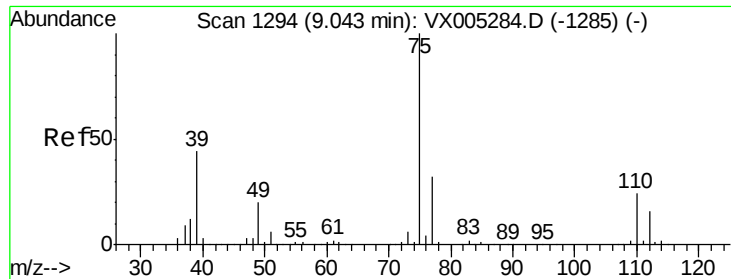
100000

50000

0

Time-->





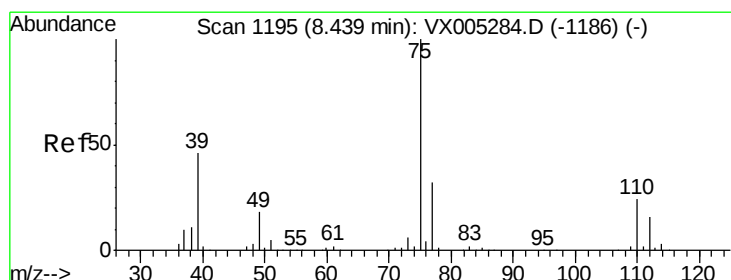
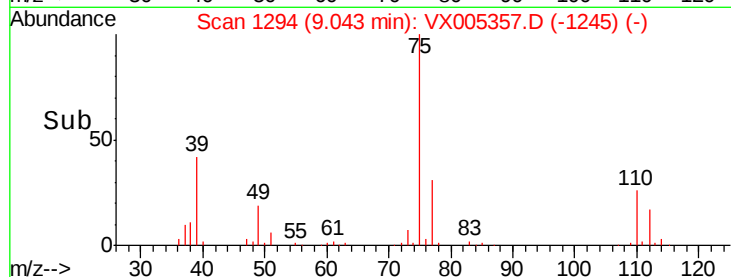
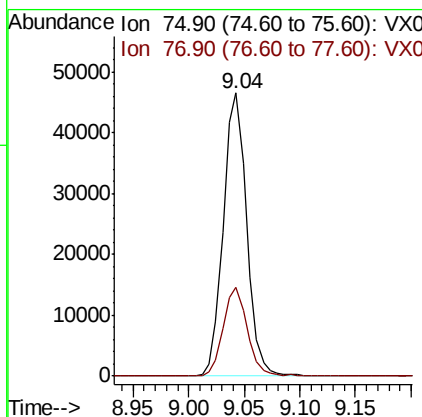
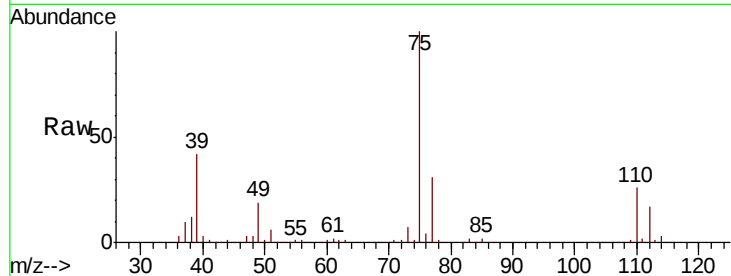
#53
 t-1,3-Dichloropropene
 Concen: 20.267 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005357.D
 Acq: 16 Oct 2018 09:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBS01

Tot Ion: 75 Resp: 67688
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.6 37.0

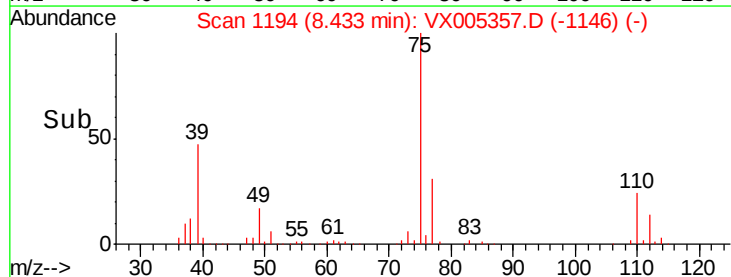
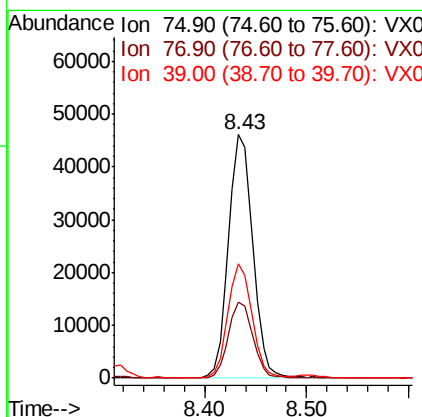
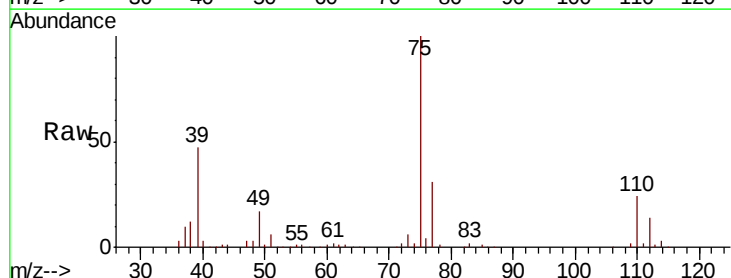
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#54
 cis-1,3-Dichloropropene
 Concen: 21.037 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005357.D
 Acq: 16 Oct 2018 09:13

Tgt Ion: 75 Resp: 76129
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.2 39.2
 39 46.6 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 21.084 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

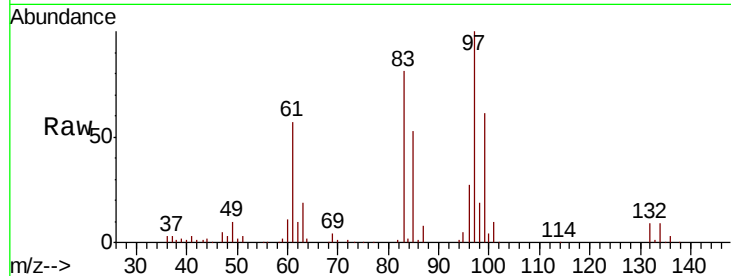
ClientSampleId :

VX1016WBS01

Tot Ion:	97	Resp:	50348
Ion Ratio	Lower	Upper	
97	100		
83	80.6	66.4	99.6
85	52.6	43.3	64.9
99	61.2	49.0	73.4

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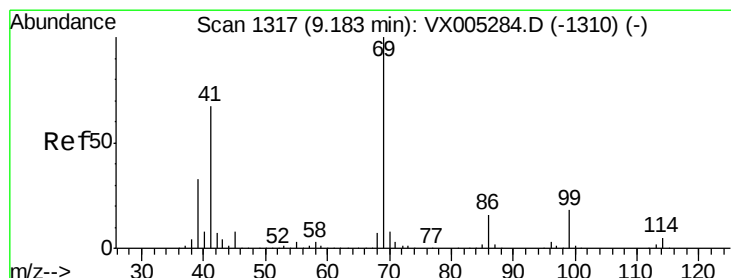
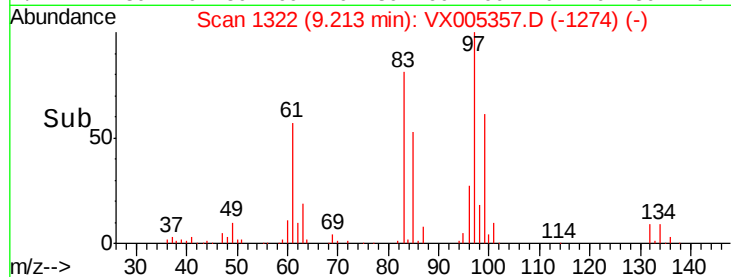
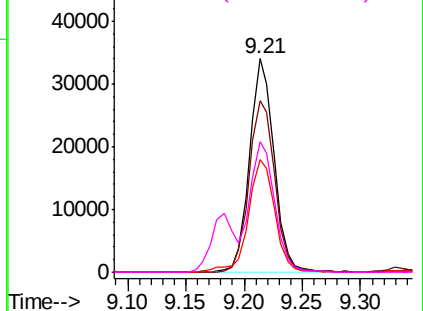
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.441 ug/l

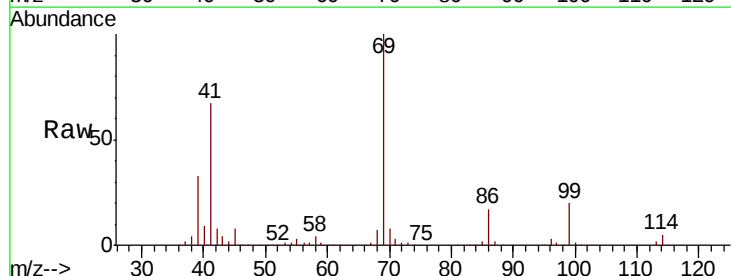
RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Tgt Ion:	69	Resp:	71157
Ion Ratio	Lower	Upper	
69	100		
41	67.0	51.0	76.4
39	33.0	26.1	39.1

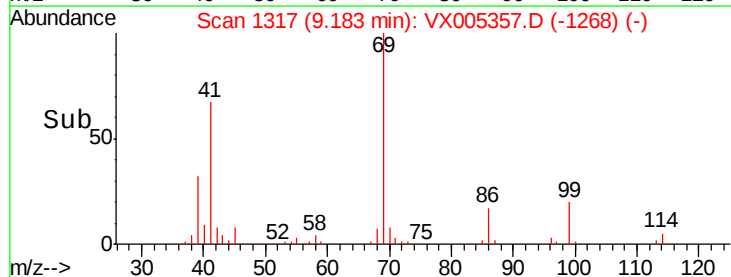
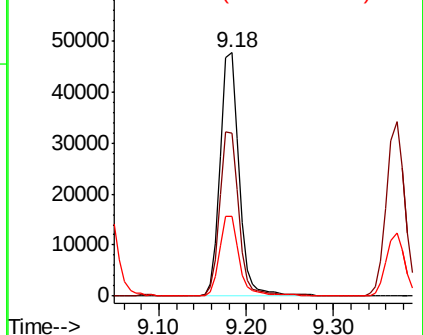


Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.355 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 76 Resp: 81127

Ion Ratio Lower Upper

76 100

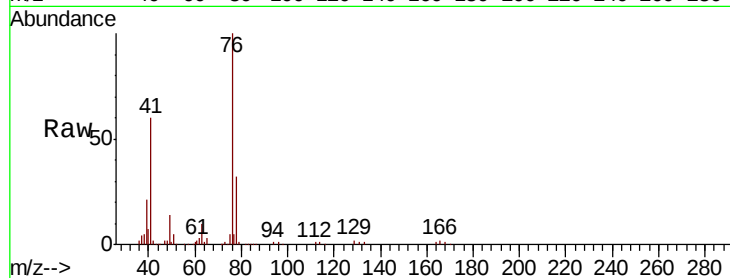
78 32.0 25.5 38.3

Manual Integrations

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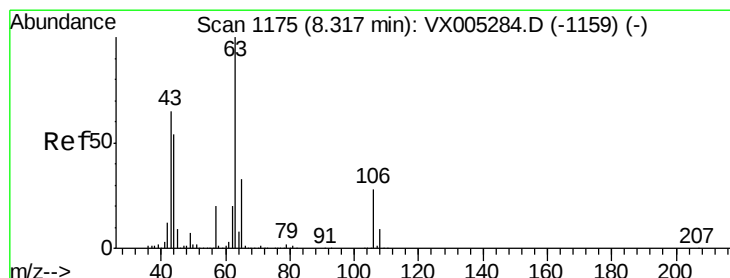
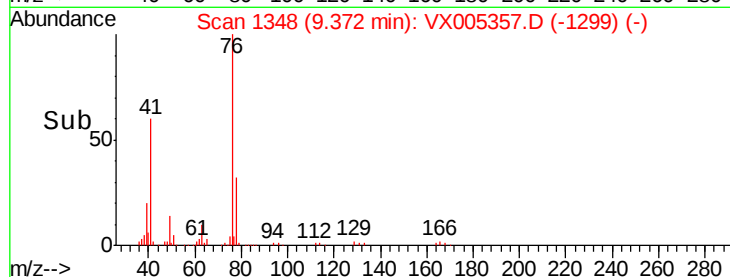
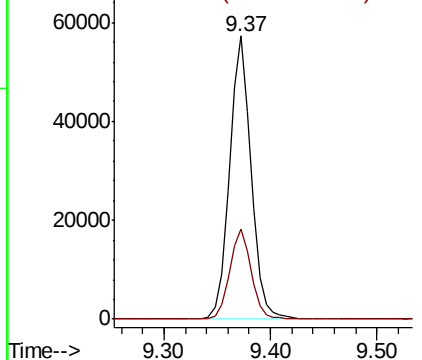
MMDadoda

10/17/2018 9:34:21 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 104.717 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005357.D

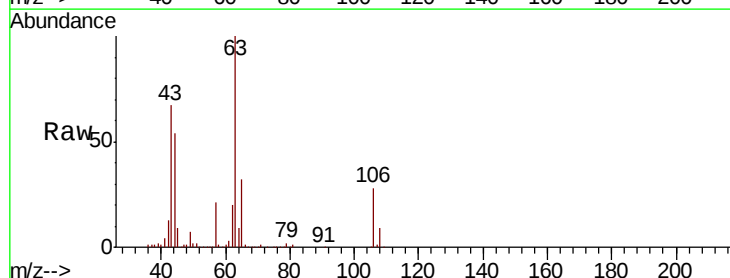
Acq: 16 Oct 2018 09:13

Tgt Ion: 63 Resp: 204439

Ion Ratio Lower Upper

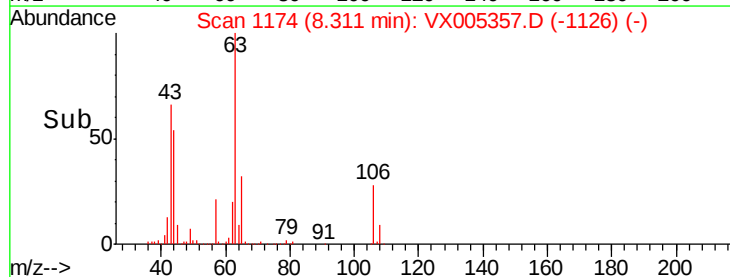
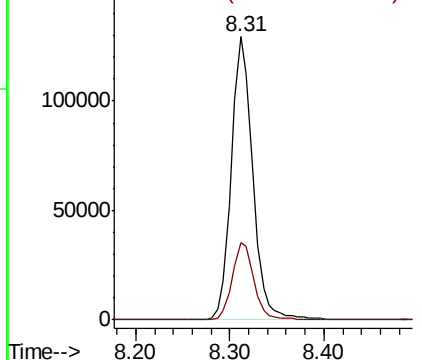
63 100

106 27.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





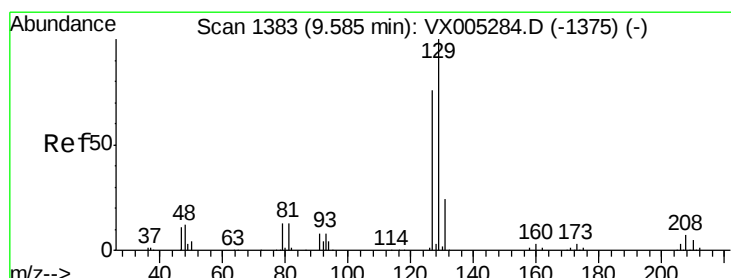
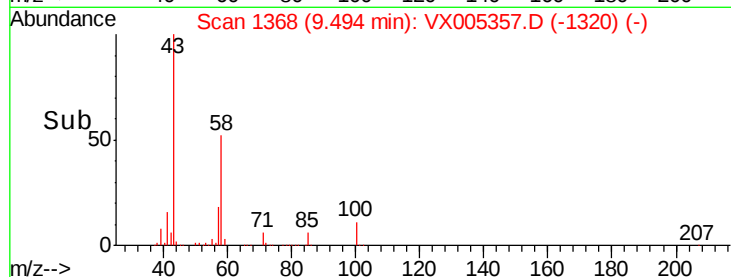
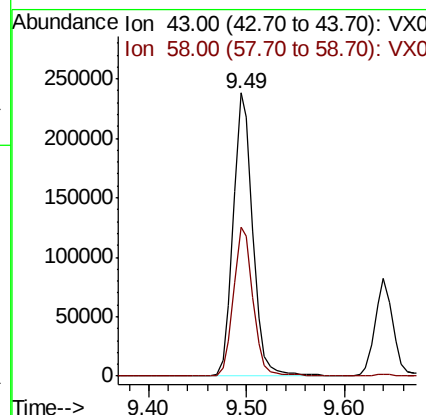
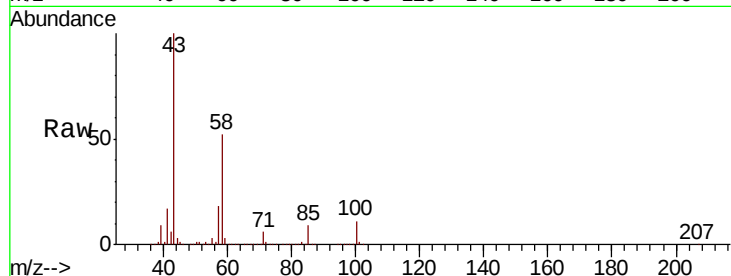
#59
2-Hexanone
Concen: 100.982 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion: 43 Resp: 331004
Ion Ratio Lower Upper
43 100
58 52.7 29.0 87.0

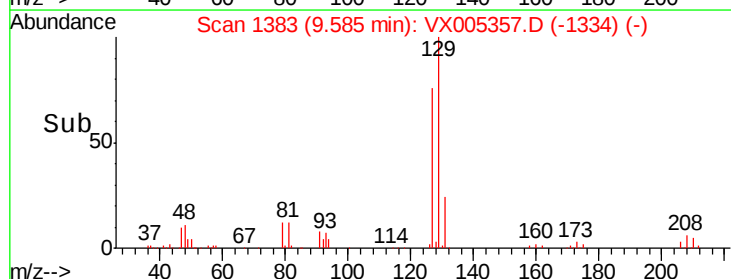
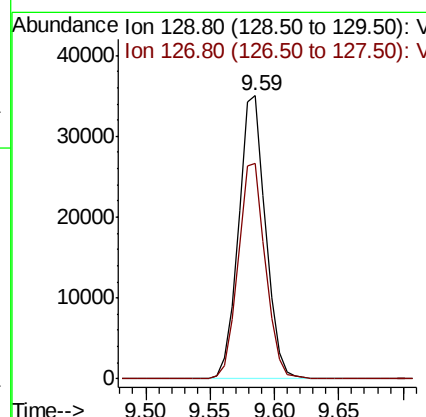
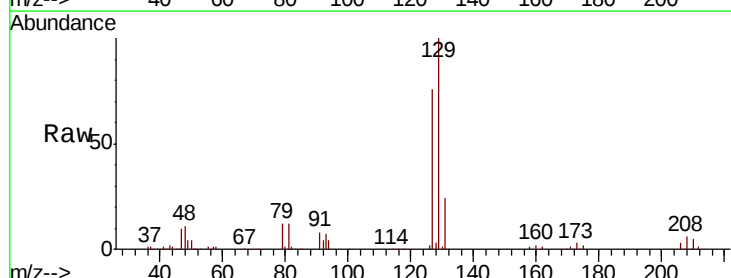
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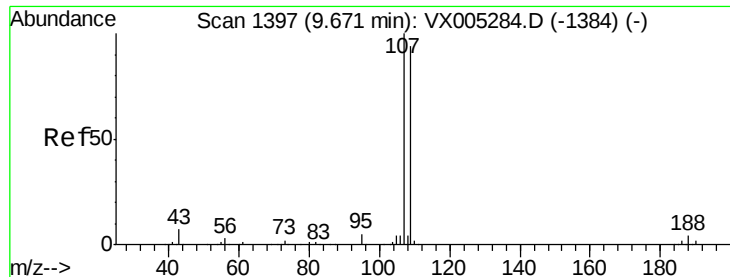
MMDadoda
10/17/2018 9:34:21 AM



#60
Dibromochloromethane
Concen: 20.763 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion: 129 Resp: 51251
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.274 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion:107 Resp: 50809

Ion Ratio Lower Upper

107 100

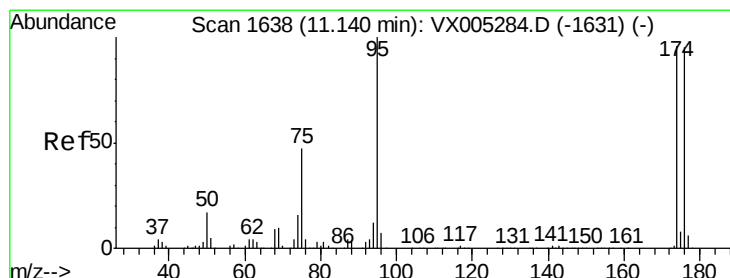
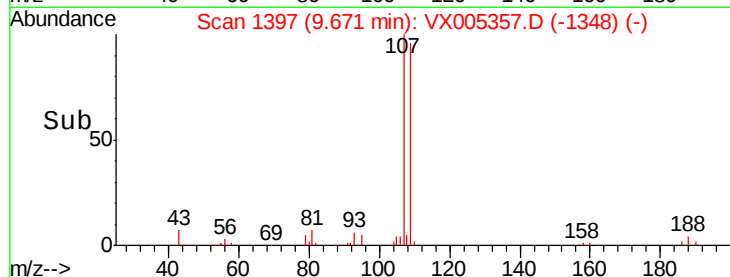
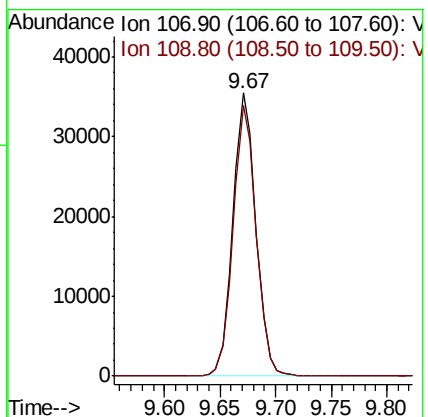
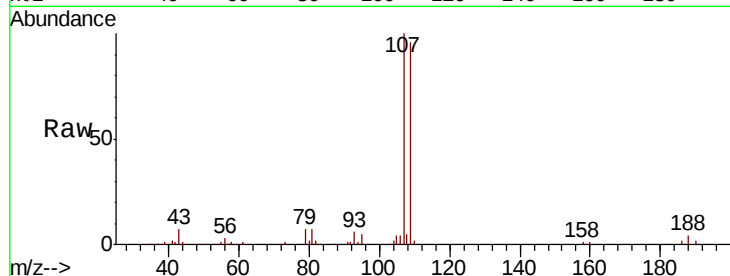
109 95.4 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 51.305 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

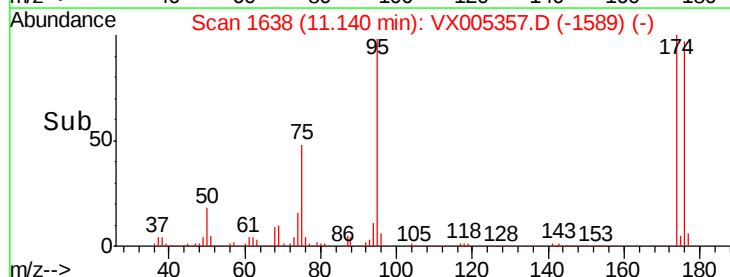
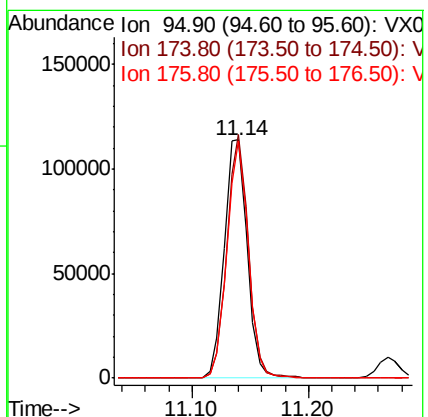
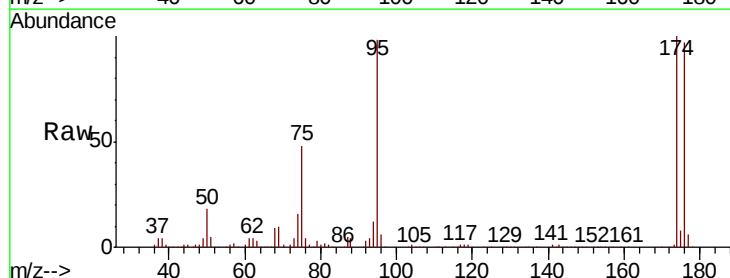
Tgt Ion: 95 Resp: 155448

Ion Ratio Lower Upper

95 100

174 95.9 0.0 185.2

176 93.1 0.0 178.6





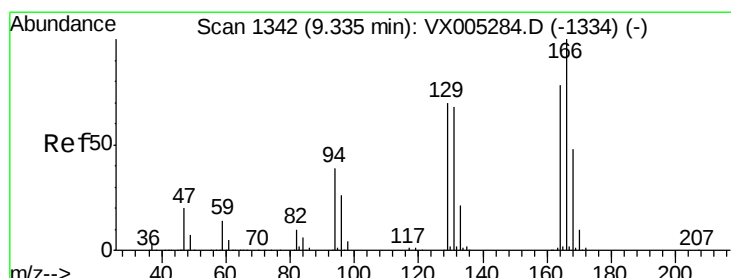
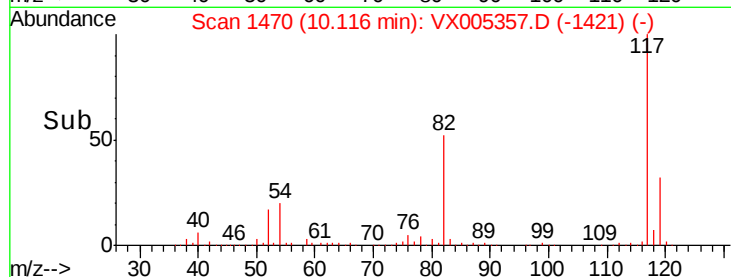
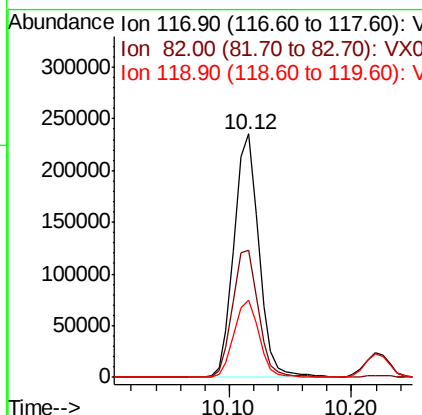
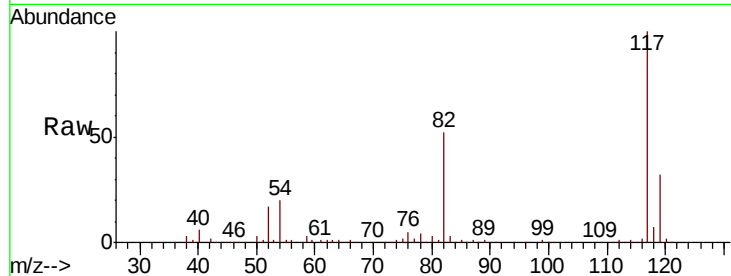
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	47.8	71.6
119	31.8	29.3	43.9

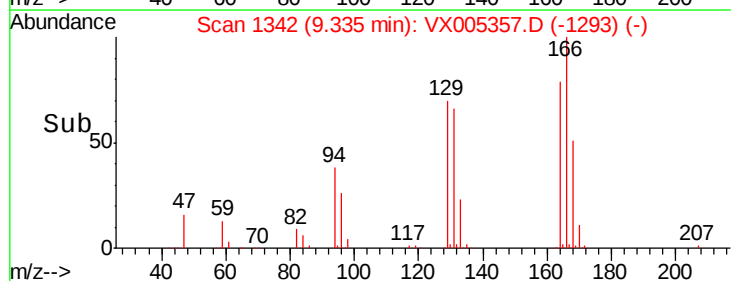
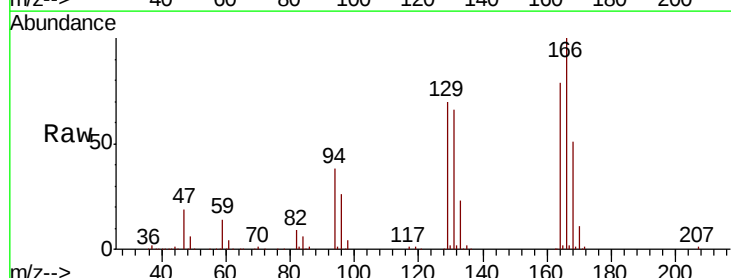
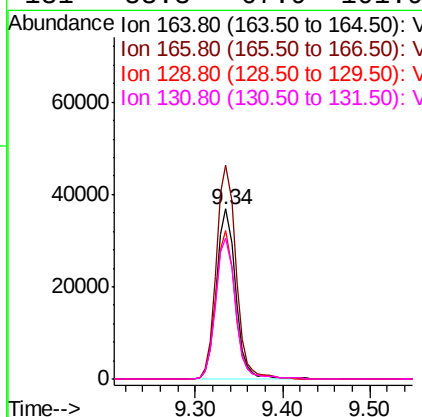
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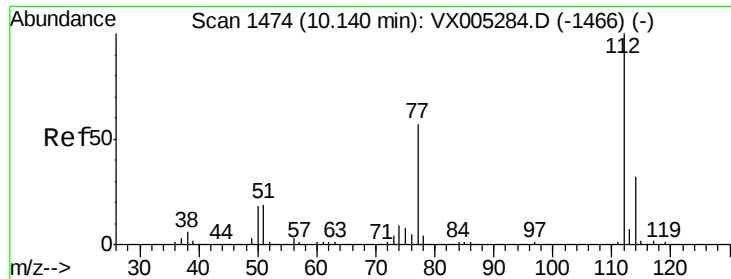
MMDadoda
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#64
Tetrachloroethene
Concen: 21.022 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.8	154.2
129	87.6	69.4	104.0
131	83.3	67.9	101.9





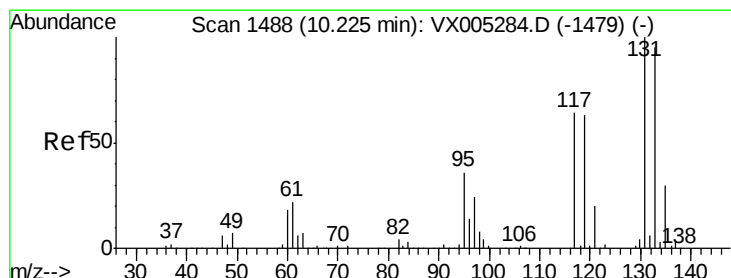
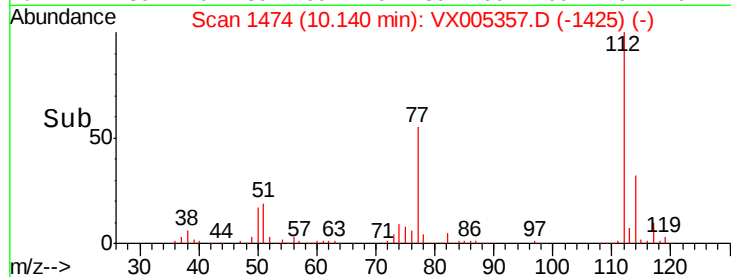
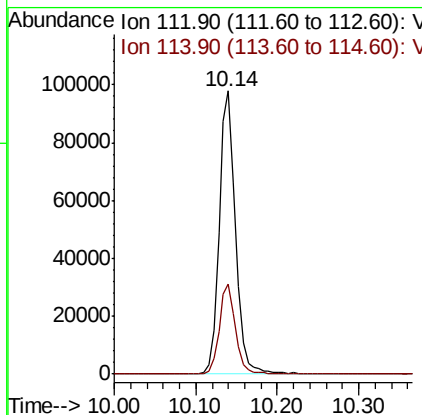
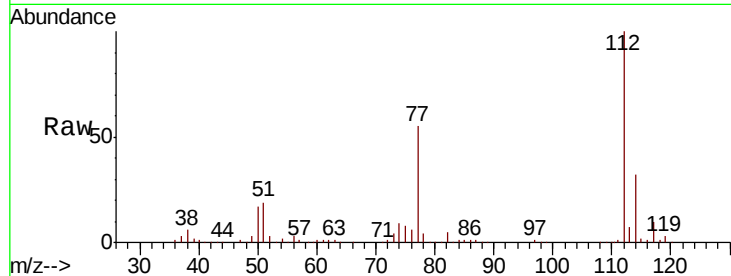
#65
Chlorobenzene
Concen: 19.393 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion:112 Resp: 136890
Ion Ratio Lower Upper
112 100
114 31.9 27.8 41.8

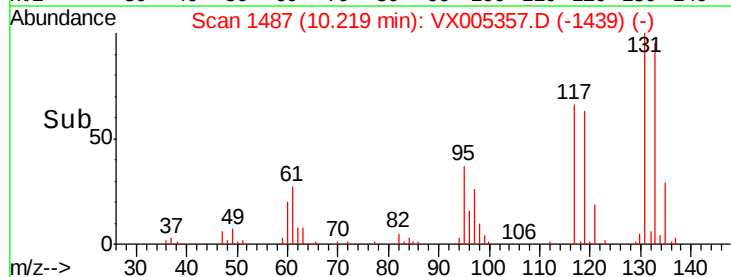
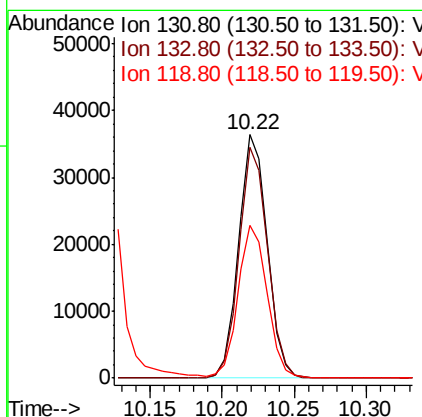
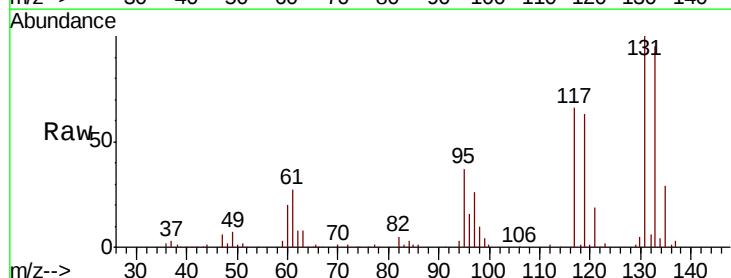
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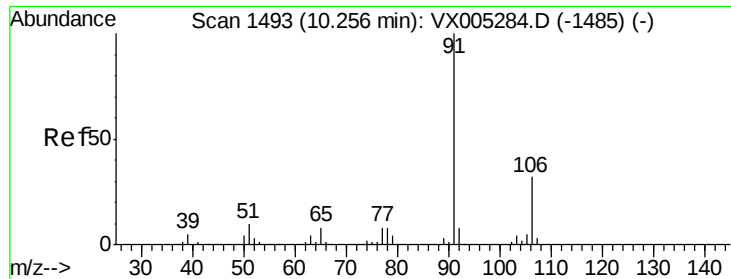
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.882 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion:131 Resp: 50011
Ion Ratio Lower Upper
131 100
133 94.8 48.1 144.4
119 64.0 32.9 98.6





#67

Ethyl Benzene

Concen: 19.594 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 91 Resp: 224842

Ion Ratio Lower Upper

91 100

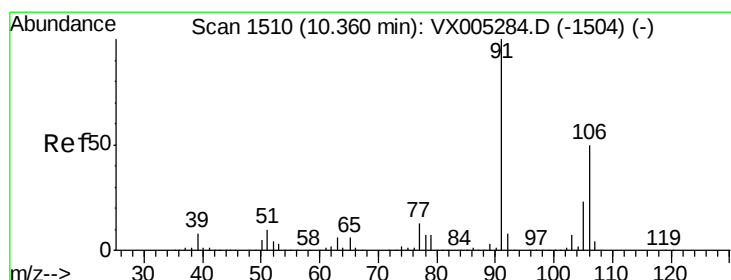
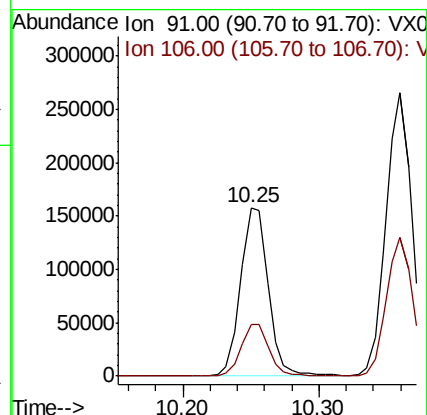
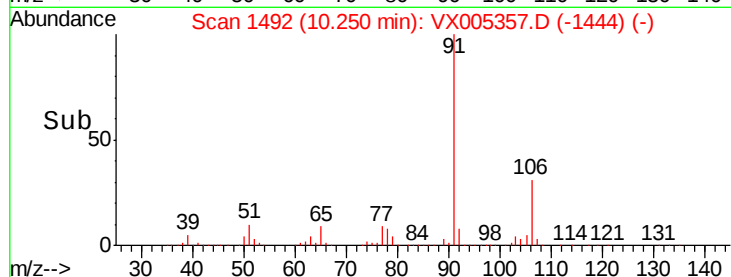
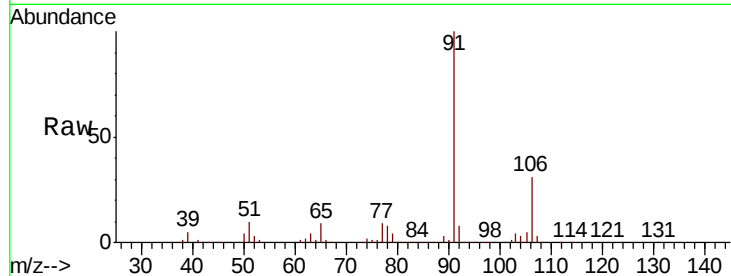
106 30.9 25.9 38.9

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#68

m/p-Xylenes

Concen: 40.426 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005357.D

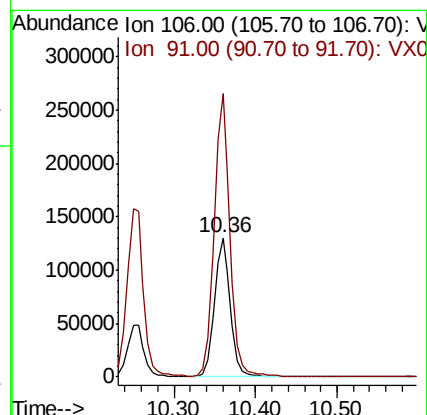
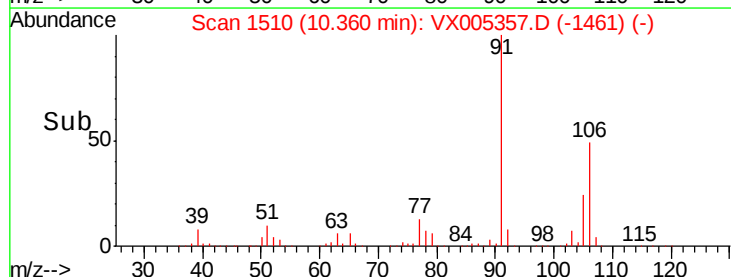
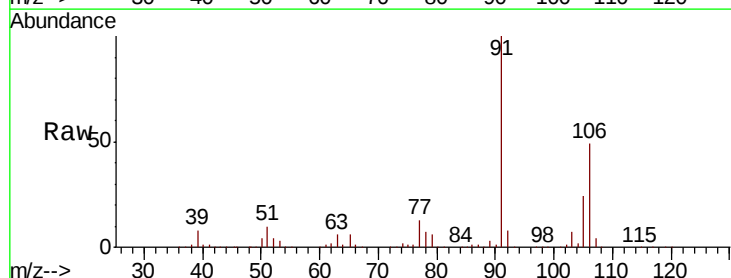
Acq: 16 Oct 2018 09:13

Tgt Ion: 106 Resp: 180054

Ion Ratio Lower Upper

106 100

91 202.3 157.1 235.7





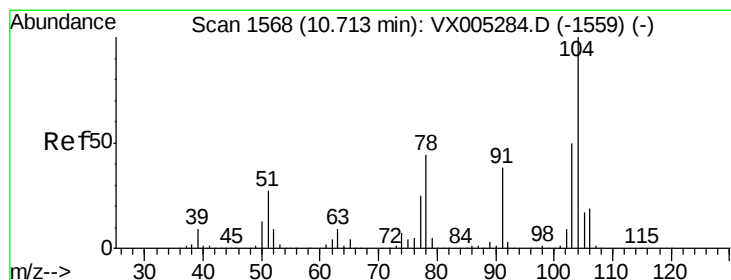
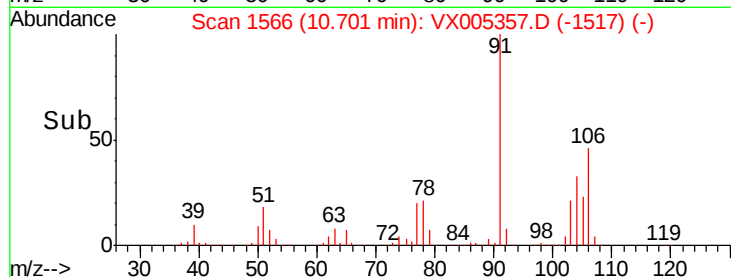
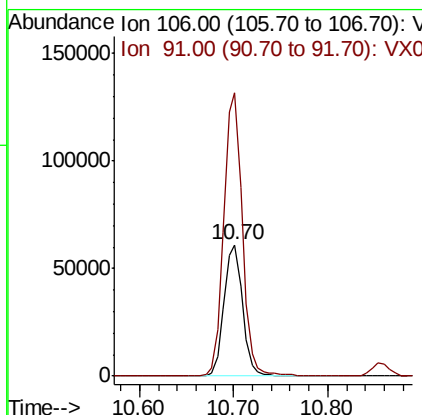
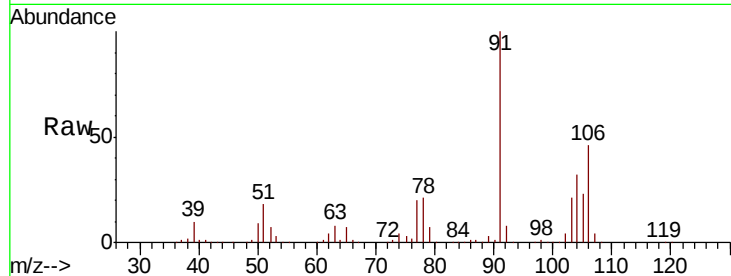
#69
o-Xylene
Concen: 19.541 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion:106 Resp: 83938
Ion Ratio Lower Upper
106 100
91 214.9 105.1 315.1

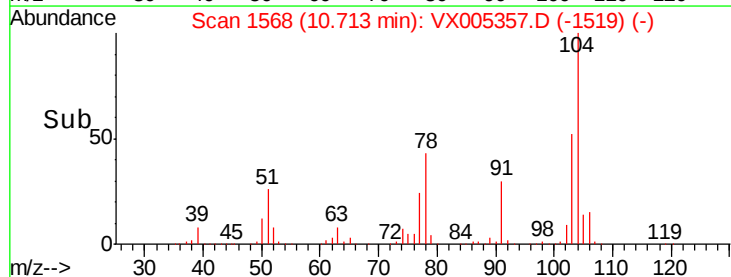
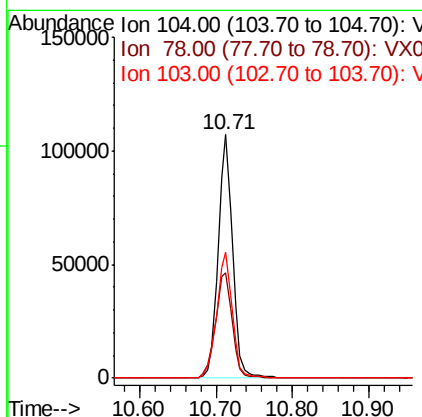
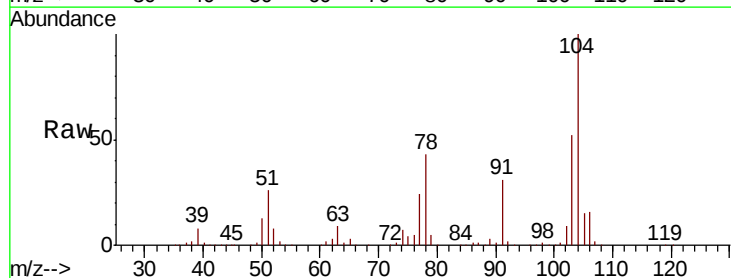
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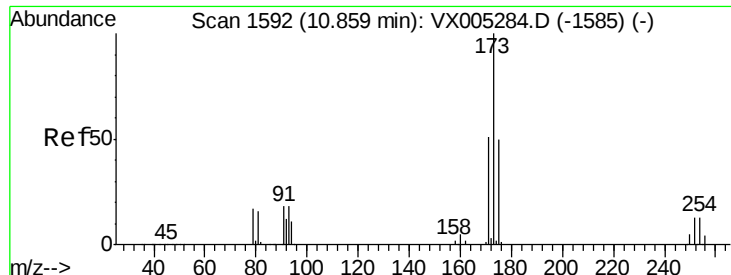
MMDadoda
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#70
Styrene
Concen: 19.879 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion:104 Resp: 140452
Ion Ratio Lower Upper
104 100
78 50.2 37.4 56.0
103 56.1 43.8 65.6





#71

Bromoform

Concen: 18.713 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion:173 Resp: 42065

Ion Ratio Lower Upper

173 100

175 50.2 24.1 72.3

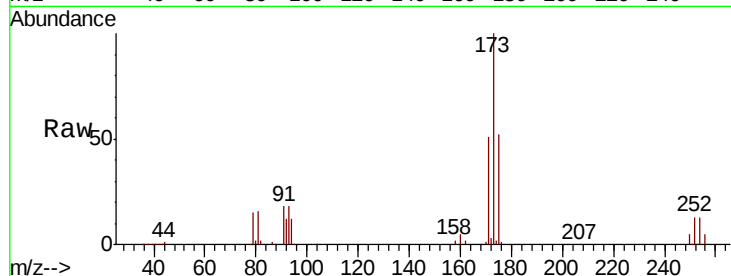
254 0.1 0.2 0.2#

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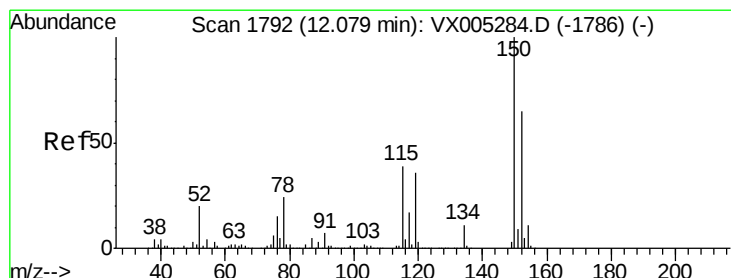
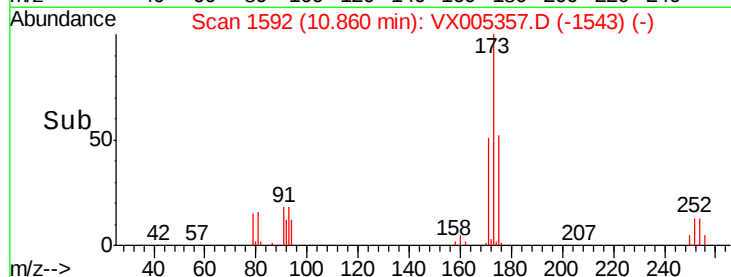
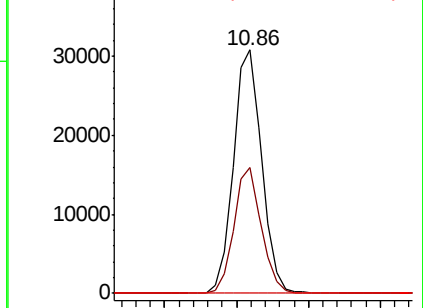
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

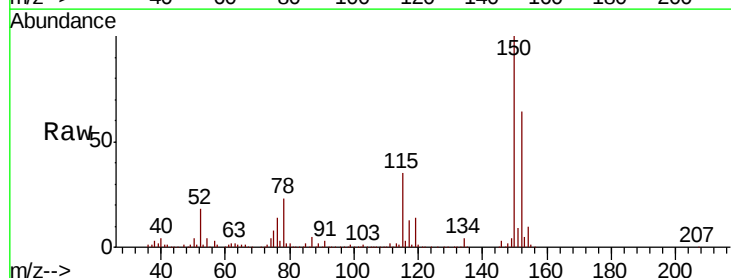
Tgt Ion:152 Resp: 193670

Ion Ratio Lower Upper

152 100

115 63.4 39.0 117.0

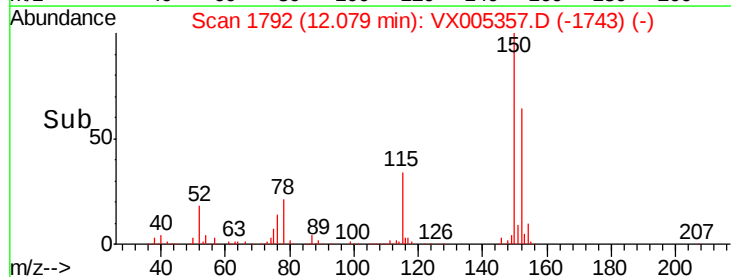
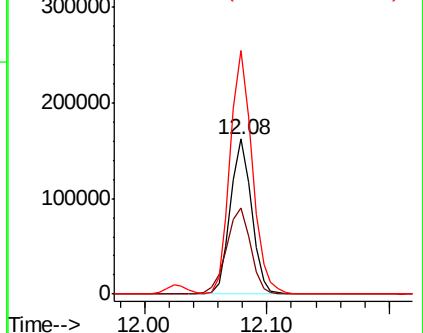
150 164.4 0.0 351.0

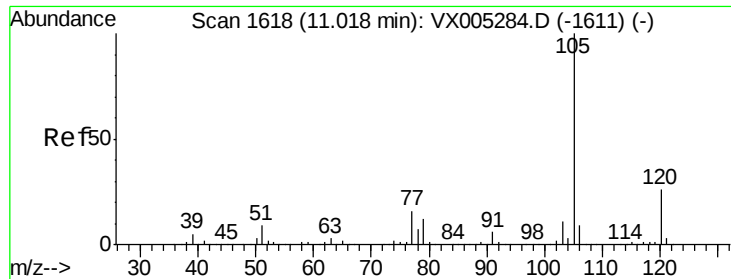


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.283 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion: 105 Resp: 233517

Ion Ratio Lower Upper

105 100

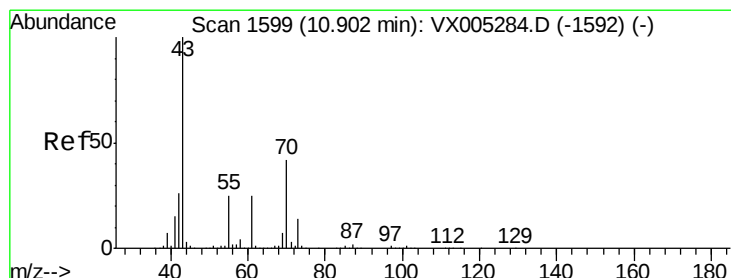
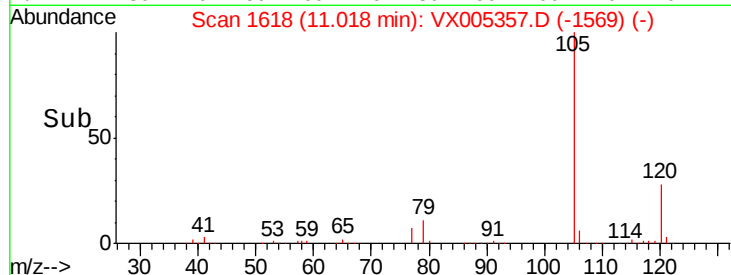
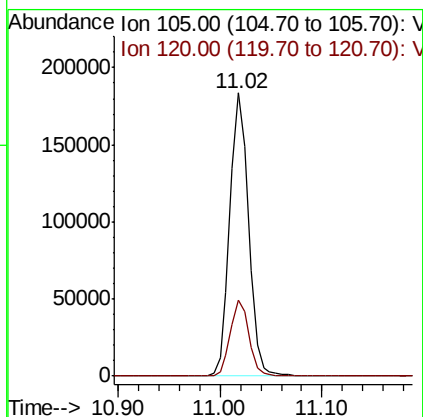
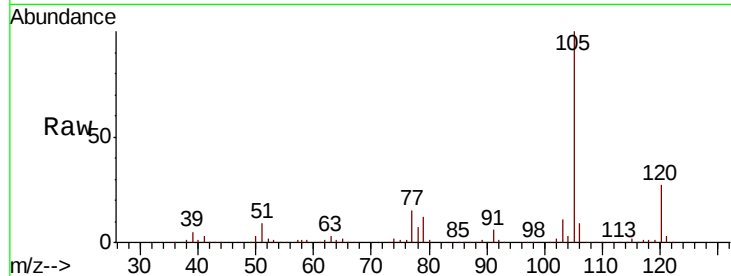
120 26.7 13.5 40.4

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#74

N-ethyl acetate

Concen: 18.600 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Tgt Ion: 43 Resp: 103287

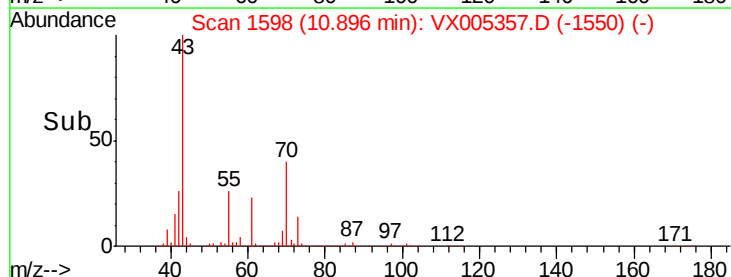
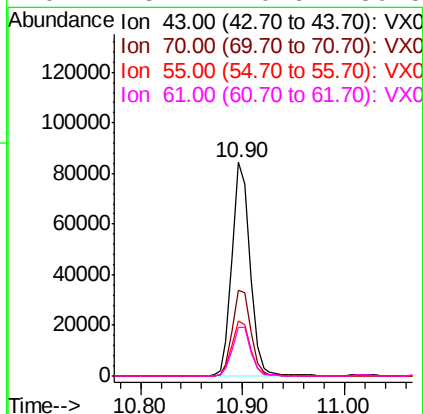
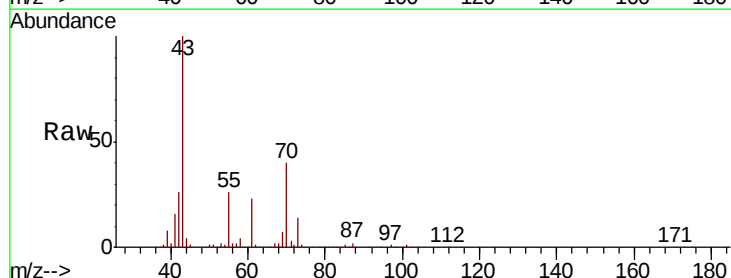
Ion Ratio Lower Upper

43 100

70 41.3 37.4 56.0

55 26.5 21.8 32.8

61 23.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.518 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

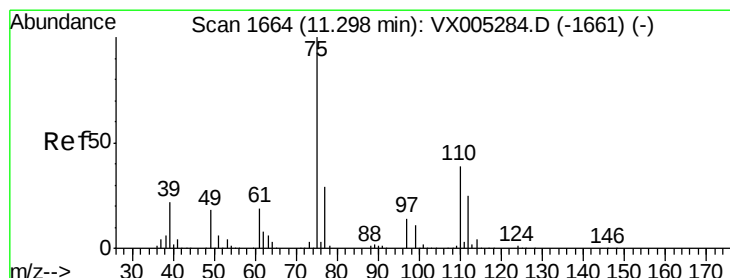
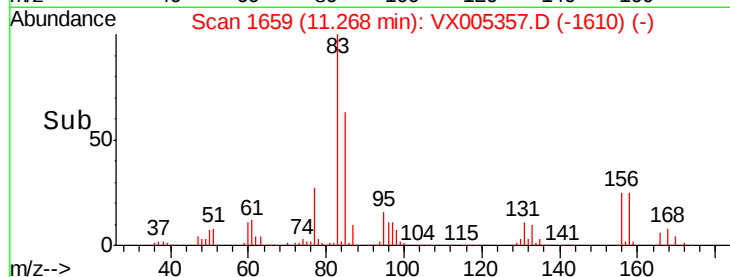
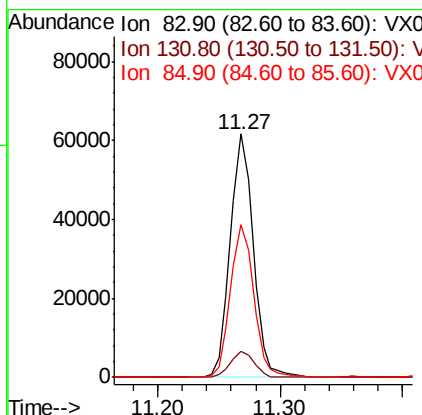
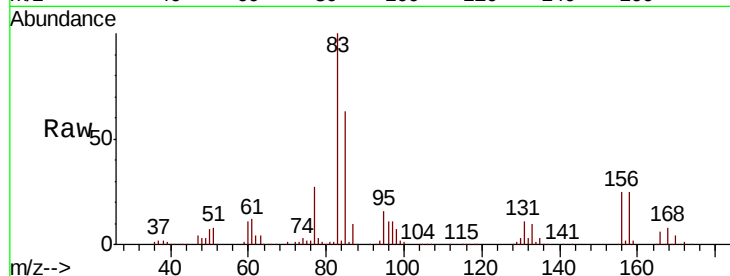
ClientSampleId :

VX1016WBS01

Tot Ion:	83	Resp:	80427
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.2	15.6
85	63.9	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 20.523 ug/l m

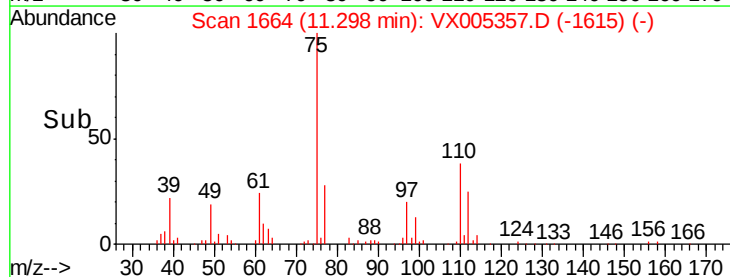
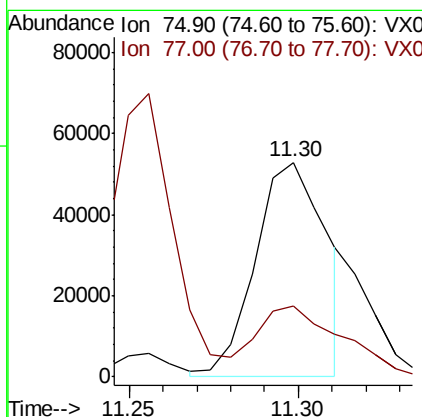
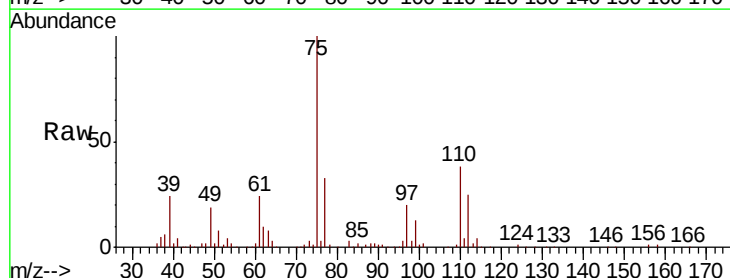
RT: 11.30 min Scan# 1664

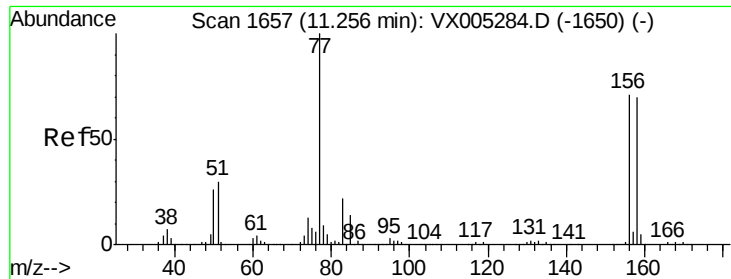
Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Tgt Ion:	75	Resp:	77097
Ion	Ratio	Lower	Upper
75	100		
77	39.4	20.2	60.6





#77

Bromobenzene

Concen: 19.781 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

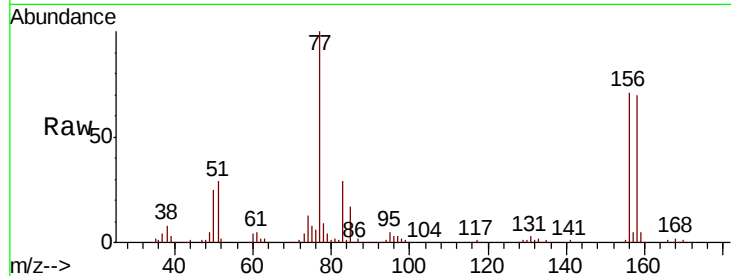
ClientSampleId :

VX1016WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	139.7	71.5	214.3
158	96.2	48.9	146.8

Manual Integrations
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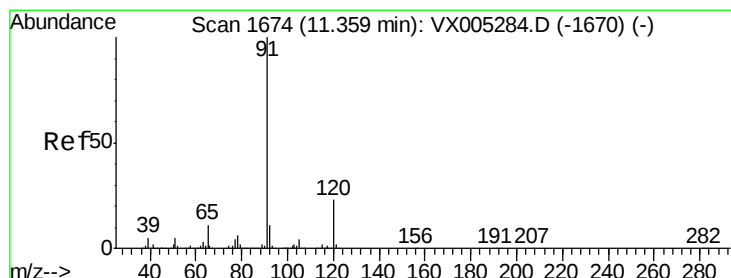
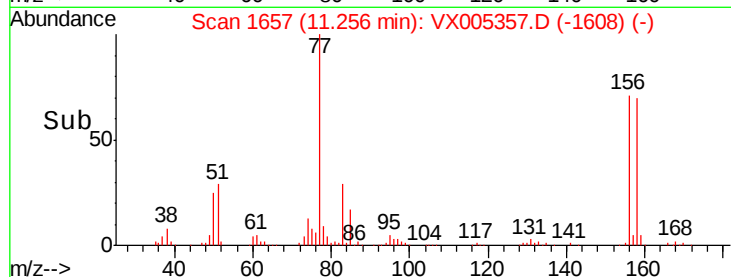
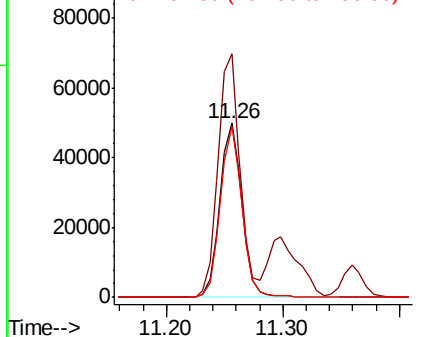
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.374 ug/l

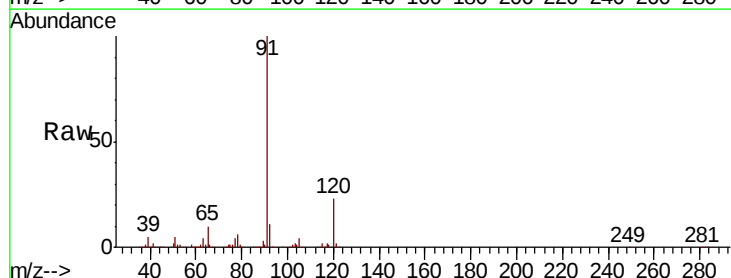
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005357.D

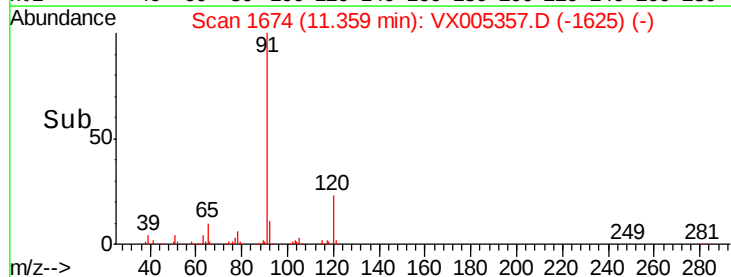
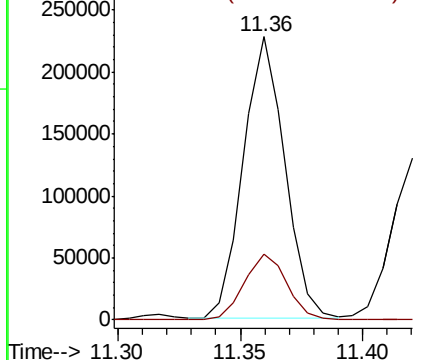
Acq: 16 Oct 2018 09:13

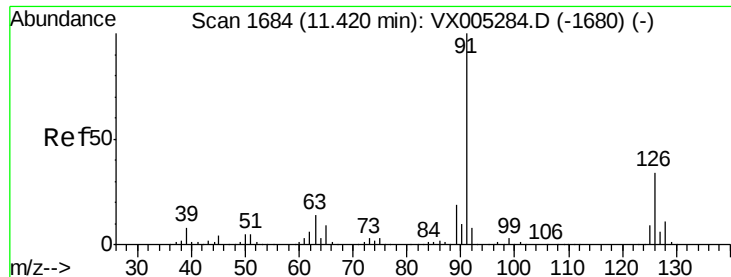
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.013 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampled :

VX1016WBS01

Tot Ion: 91 Resp: 162380

Ion Ratio Lower Upper

91 100

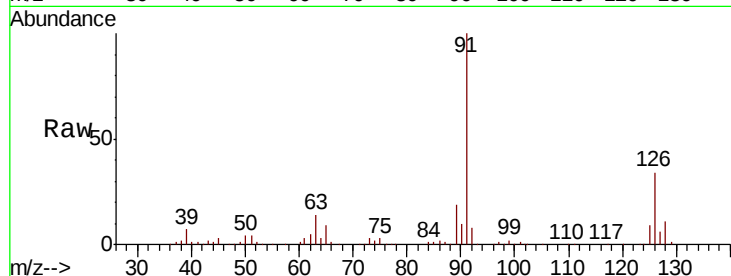
126 35.0 17.9 53.7

Manual Integrations

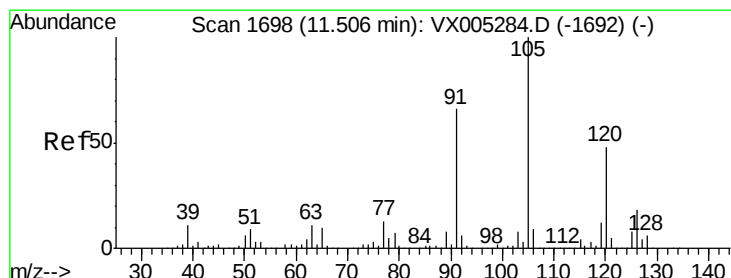
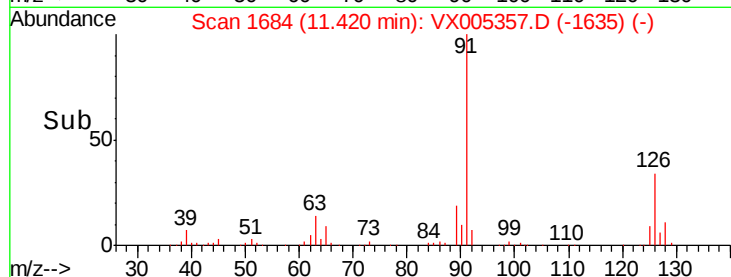
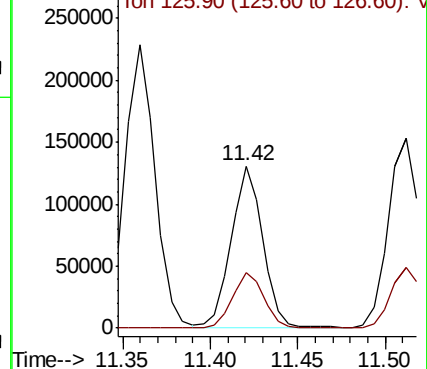
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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.517 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005357.D

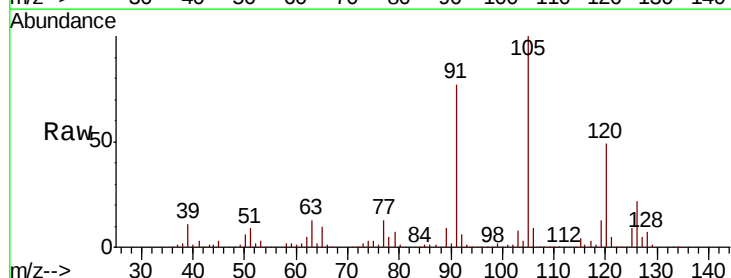
Acq: 16 Oct 2018 09:13

Tgt Ion: 105 Resp: 202279

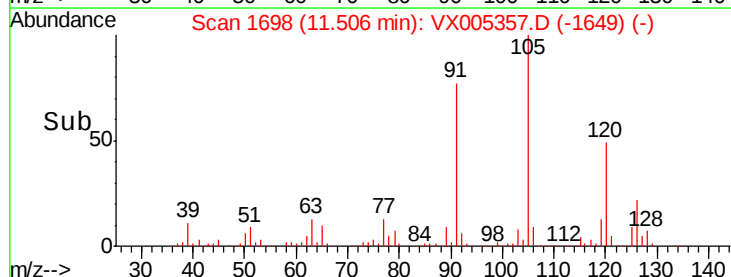
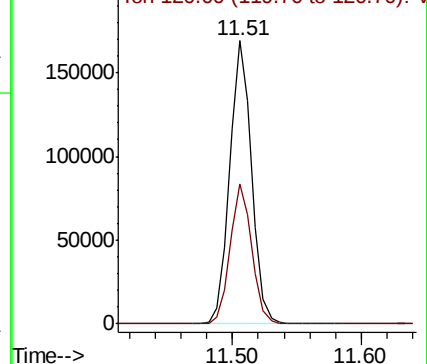
Ion Ratio Lower Upper

105 100

120 49.0 25.6 76.8



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





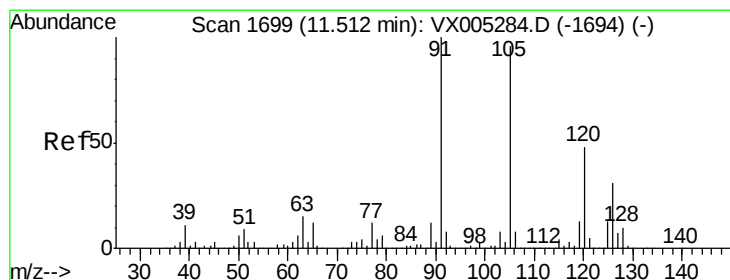
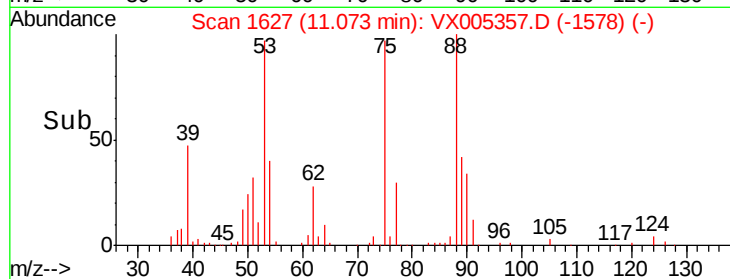
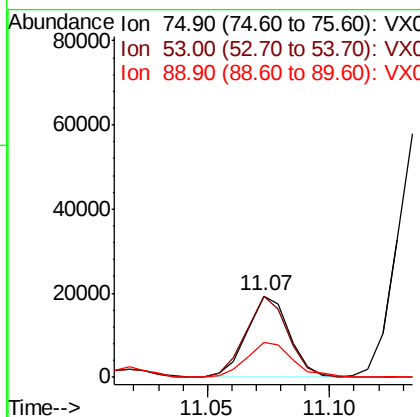
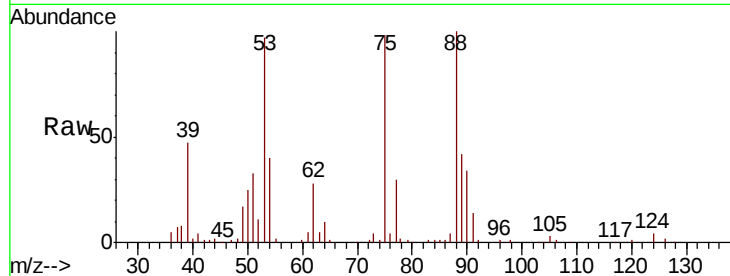
#81
trans-1,4-Dichloro-2-butene
Concen: 18.803 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	80.1	120.1
89	48.5	37.2	55.8

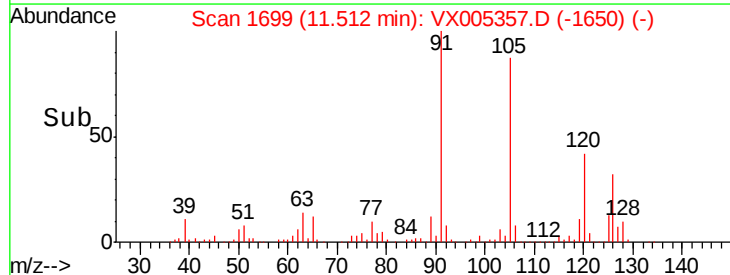
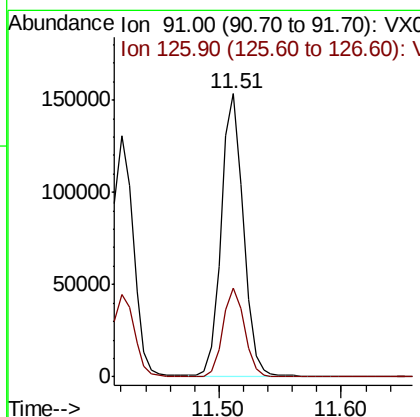
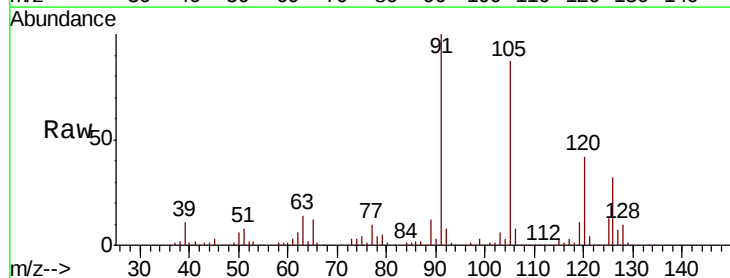
Manual Integrations
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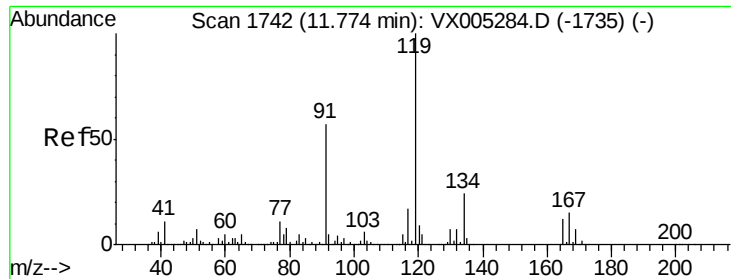
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#82
4-Chlorotoluene
Concen: 20.130 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





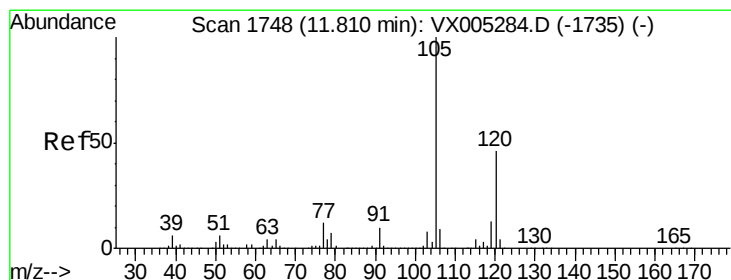
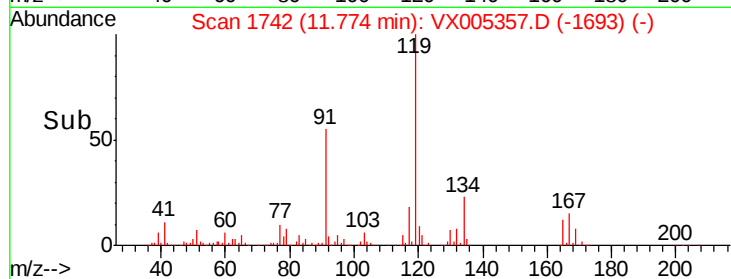
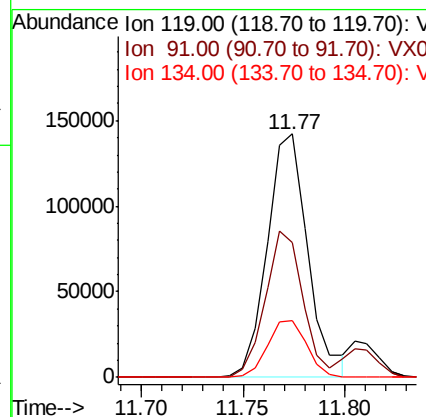
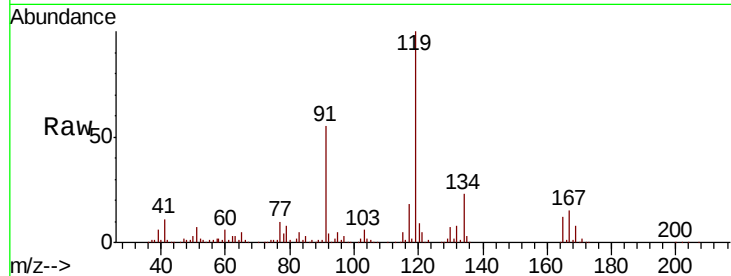
#83
tert-Butylbenzene
Concen: 19.710 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196778		
91	55.8	27.0	81.0	
134	23.0	11.7	35.1	

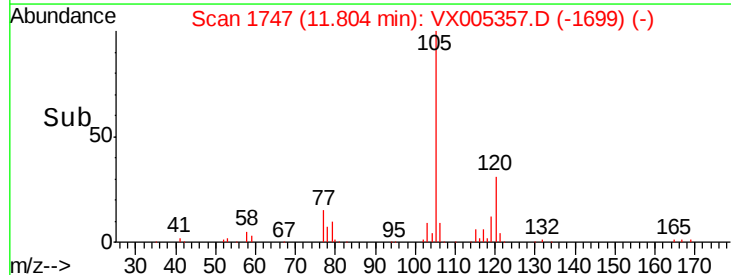
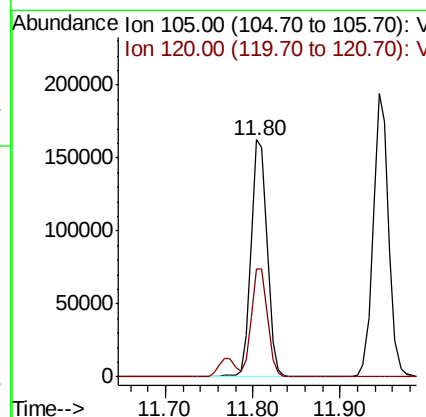
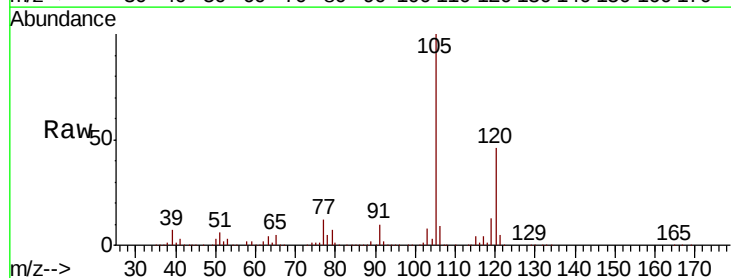
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 20.309 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	206060		
120	45.4	23.2	69.6	





#85

sec-Butylbenzene

Concen: 20.384 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBS01

Tot Ion:105 Resp: 240836

Ion Ratio Lower Upper

105 100

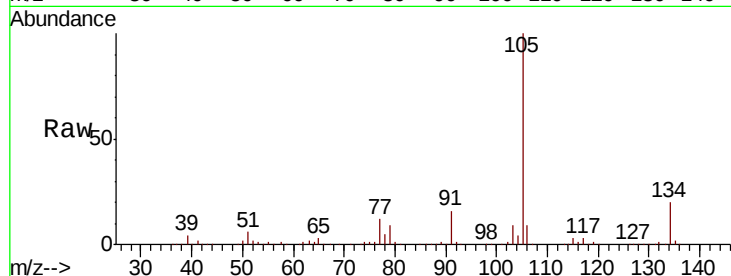
134 20.5 10.5 31.5

Manual Integrations

APPROVED

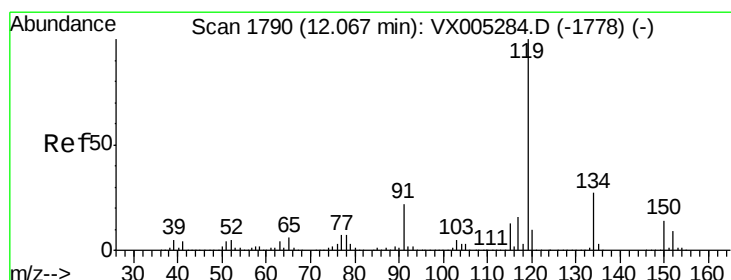
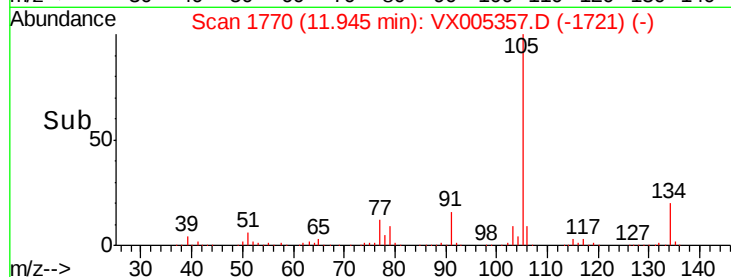
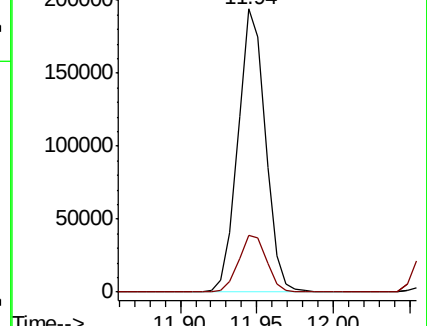
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.630 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

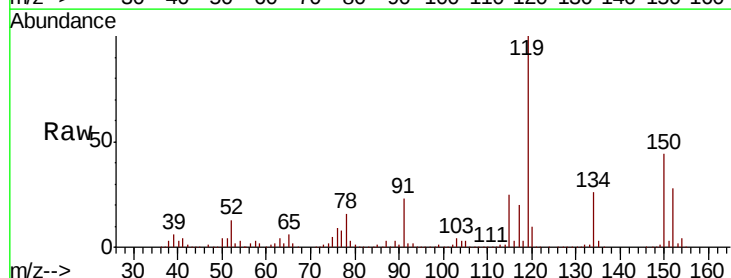
Tgt Ion:119 Resp: 220307

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

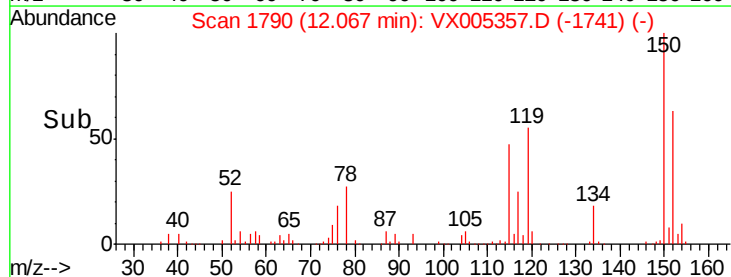
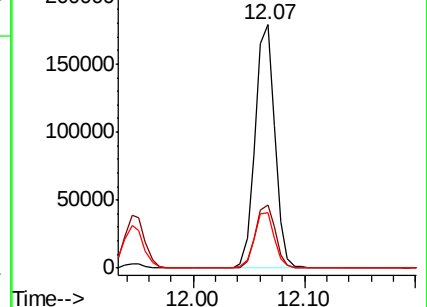
91 23.2 10.9 32.7

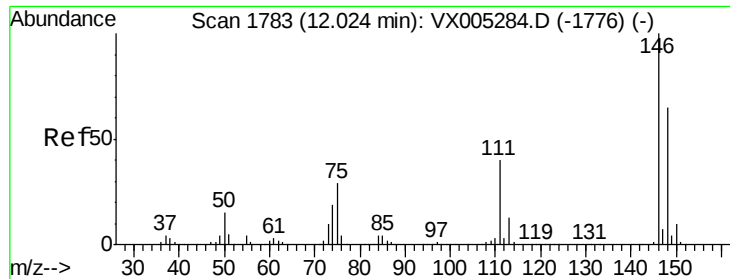


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





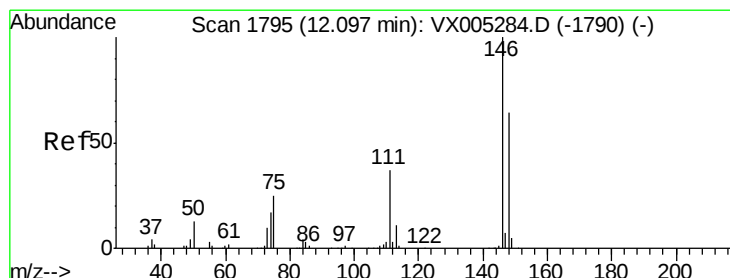
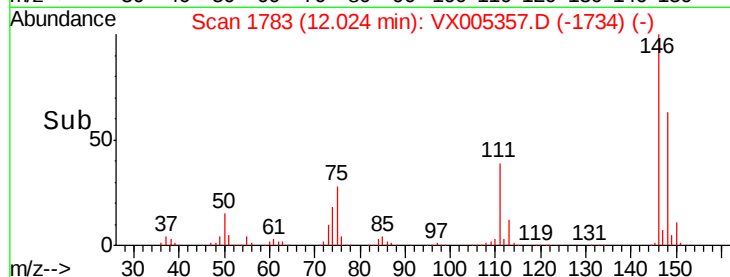
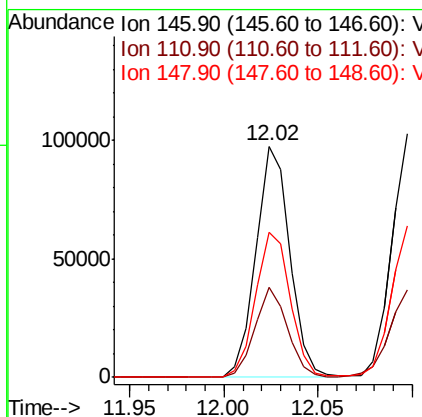
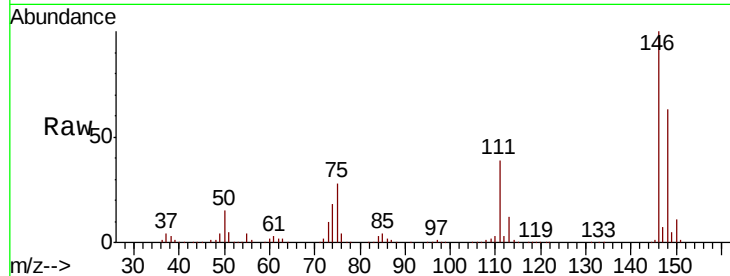
#87
 1,3-Dichlorobenzene
 Concen: 19.757 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005357.D
 Acq: 16 Oct 2018 09:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	64.4	32.1	96.5

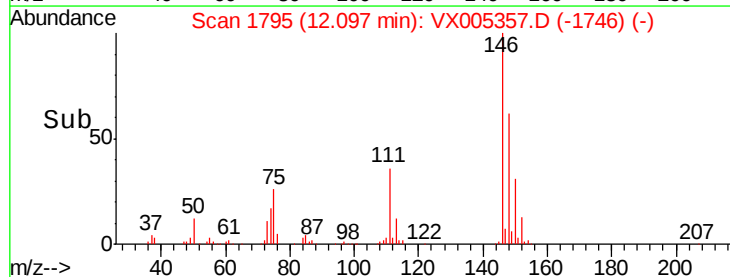
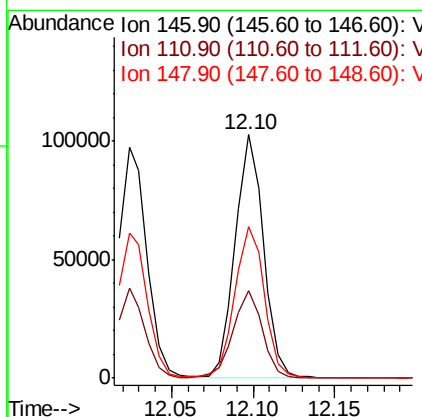
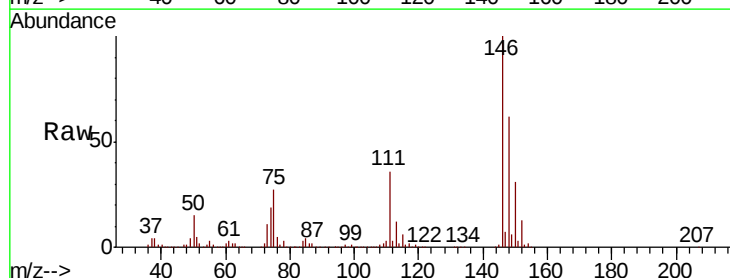
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.804 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005357.D
 Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	64.8	32.0	96.0





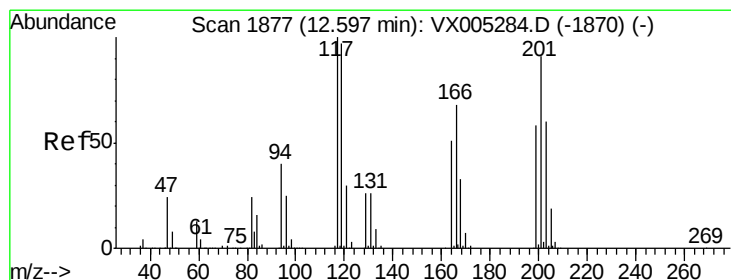
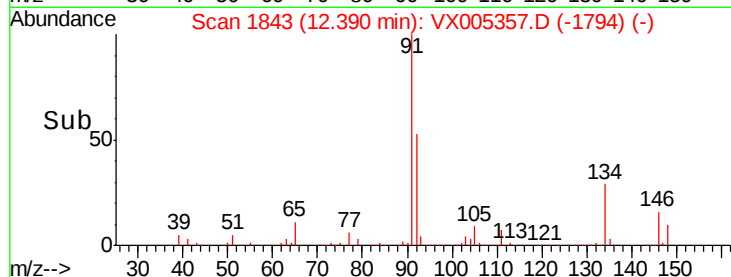
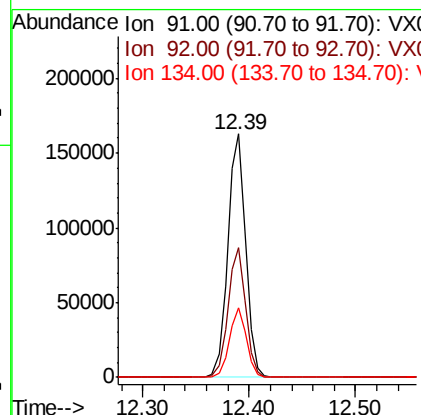
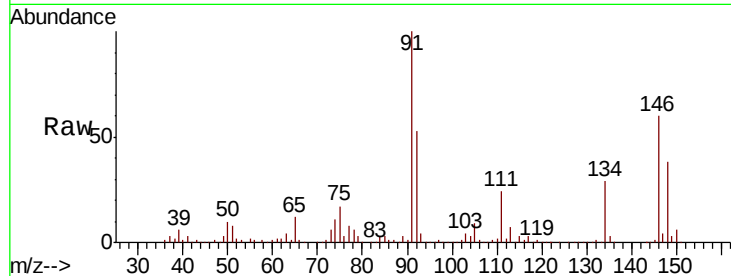
#89
n-Butylbenzene
Concen: 19.681 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.3	81.9
134	27.3	13.6	40.7

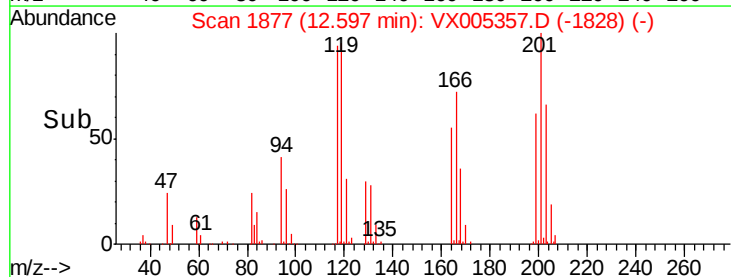
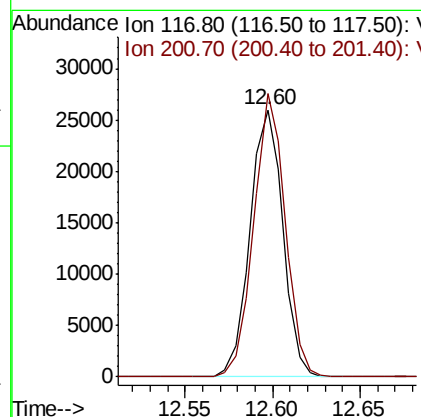
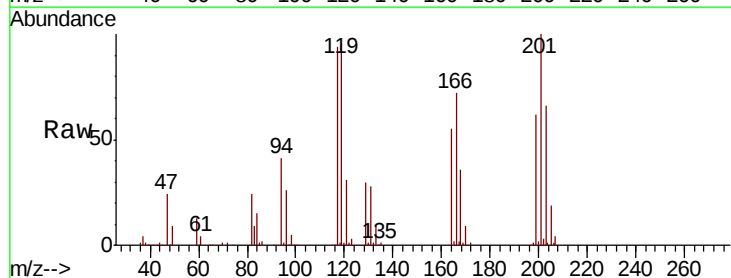
Manual Integrations
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#90
Hexachloroethane
Concen: 18.390 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005357.D
Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.6	46.9	140.6





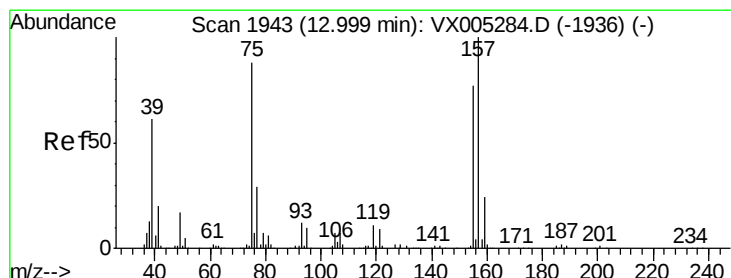
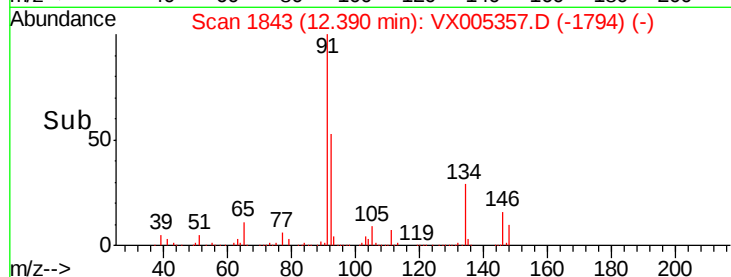
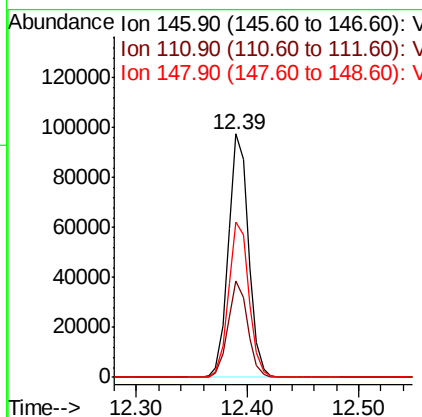
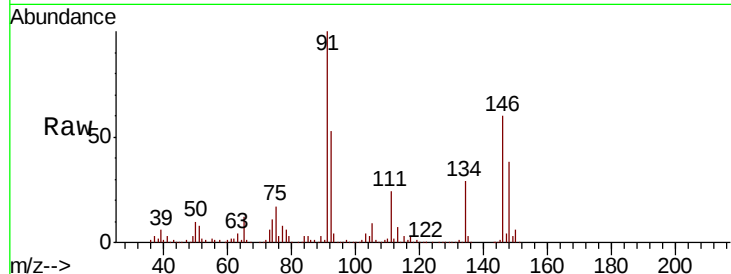
#91
 1,2-Dichlorobenzene
 Concen: 19.391 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005357.D
 Acq: 16 Oct 2018 09:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.3	32.8	98.3

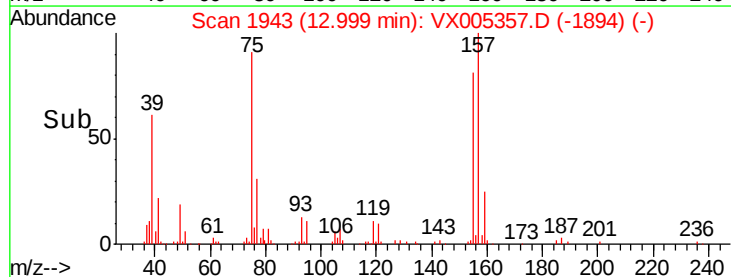
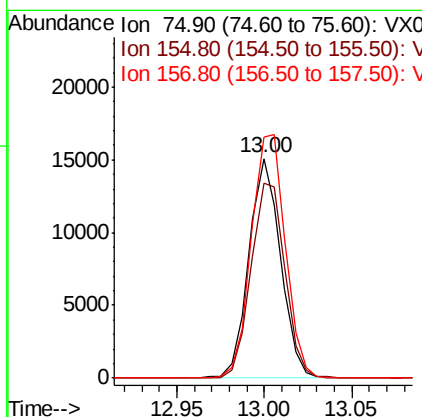
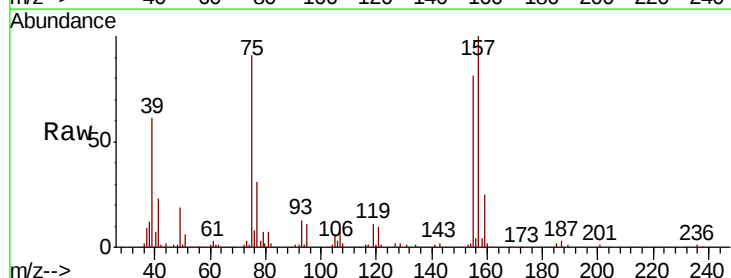
Manual Integrations
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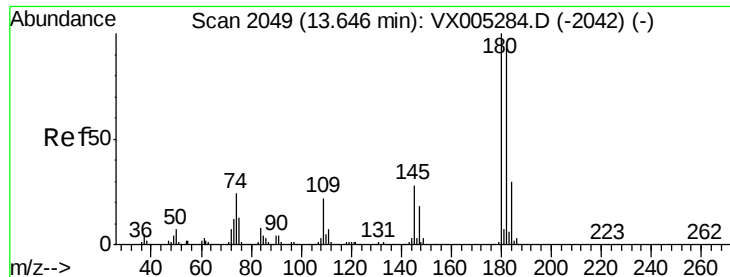
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.823 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005357.D
 Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.0	144.2
157	119.6	61.4	184.1





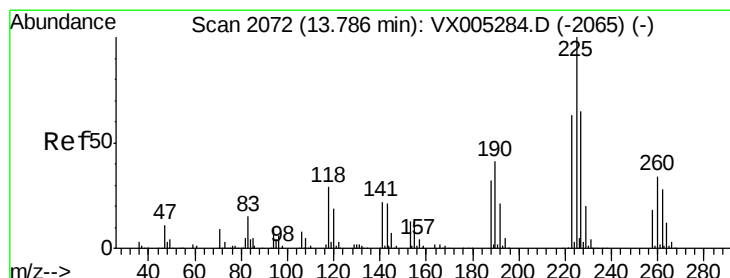
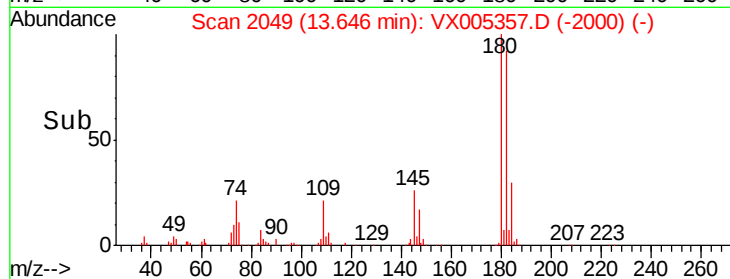
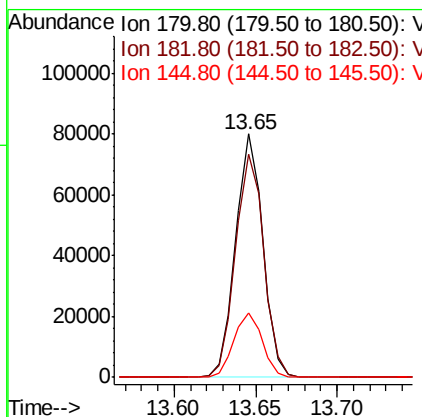
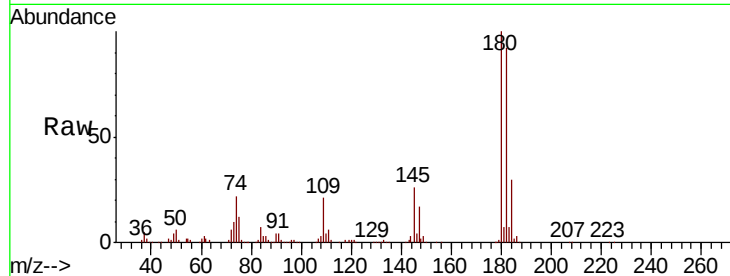
#93
 1,2,4-Trichlorobenzene
 Concen: 20.218 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005357.D
 Acq: 16 Oct 2018 09:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	93113		
182	95.5	48.4	145.0	
145	27.5	14.3	42.9	

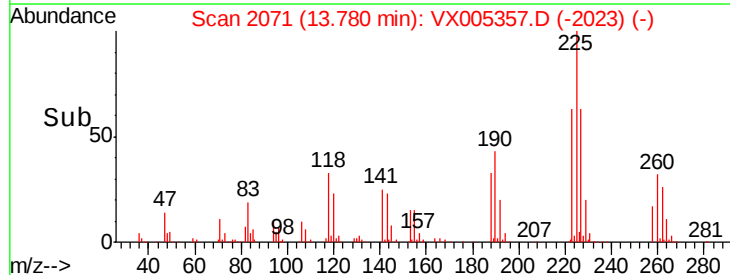
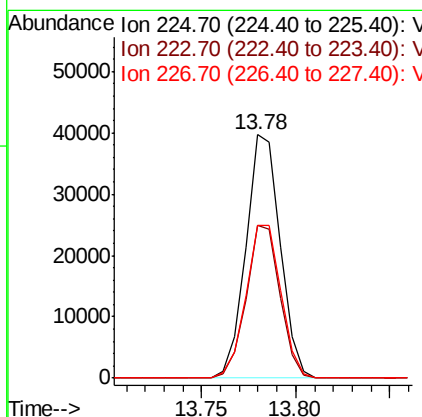
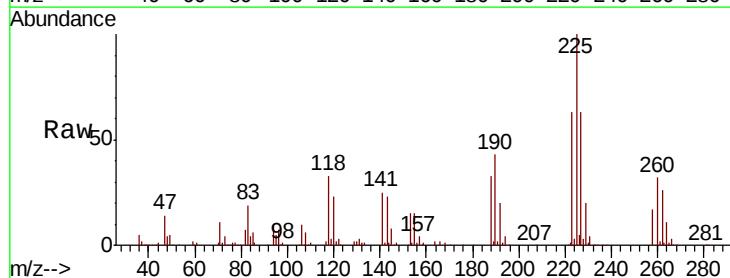
Manual Integrations
 APPROVED

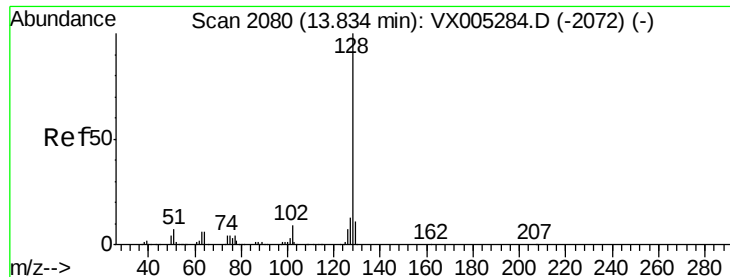
MMDadoda
 10/17/2018 9:34:21 AM



#94
 Hexachlorobutadiene
 Concen: 20.586 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005357.D
 Acq: 16 Oct 2018 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50072		
223	61.8	30.1	90.5	
227	64.4	30.8	92.4	





#95

Naphthalene

Concen: 19.530 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Instrument :

MSVOA_X

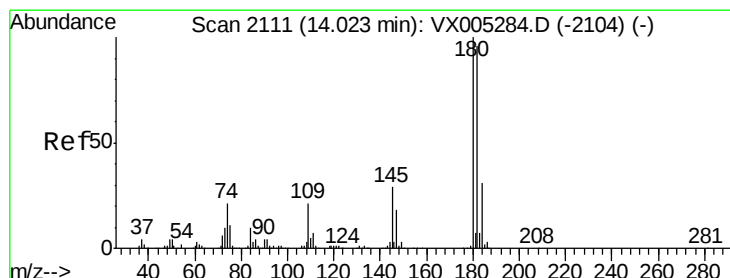
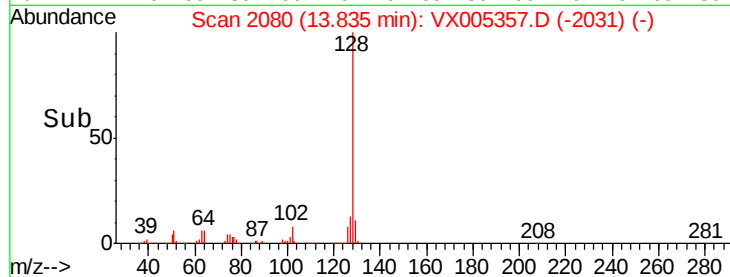
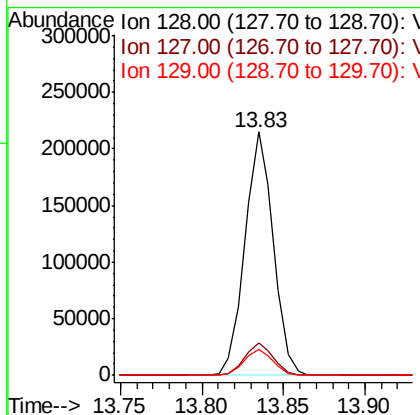
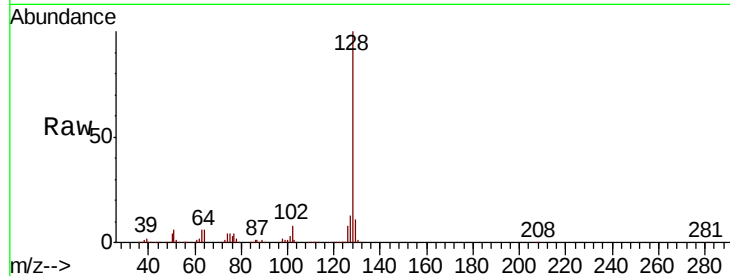
ClientSampleId :

VX1016WBS01

Tot Ion:	128	Resp:	260847
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:34:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.050 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005357.D

Acq: 16 Oct 2018 09:13

Tgt Ion:	180	Resp:	94482
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.5	145.6
145	29.6	14.9	44.9

