

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004510.D
 Acq On : 13 Sep 2018 12:34
 Operator : JC/MD
 Sample : VX0913MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/15/2018 11:23:47 AM

Quant Time: Sep 14 04:24:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	303190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	387377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209261	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	192328	49.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.40%	
35) Dibromofluoromethane	5.50	113	171458	48.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.74%	
50) Toluene-d8	8.72	98	599511	50.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.14	95	207789	48.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	55735	19.615	ug/l	99
3) Chloromethane	1.32	50	70388	17.999	ug/l	100
4) Vinyl Chloride	1.40	62	77638	19.344	ug/l	99
5) Bromomethane	1.64	94	38146	22.037	ug/l	99
6) Chloroethane	1.72	64	47742	18.394	ug/l	97
7) Trichlorofluoromethane	1.93	101	101233	19.026	ug/l	95
8) Diethyl Ether	2.18	74	46026	19.295	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	64332	19.059	ug/l	98
10) Methyl Iodide	2.51	142	69896	20.105	ug/l	96
11) Tert butyl alcohol	3.07	59	95179	102.033	ug/l	99
12) 1,1-Dichloroethene	2.37	96	62467	19.718	ug/l	94
13) Acrolein	2.29	56	34155	92.755	ug/l	95
14) Allyl chloride	2.73	41	123881	19.021	ug/l	95
15) Acrylonitrile	3.15	53	215329	95.857	ug/l	99
16) Acetone	2.45	43	171210	89.730	ug/l	99
17) Carbon Disulfide	2.57	76	175584	19.175	ug/l	97
18) Methyl Acetate	2.78	43	102632	19.172	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	220743	19.859	ug/l	99
20) Methylene Chloride	2.85	84	74869	19.128	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	69030	19.719	ug/l	97
22) Diisopropyl ether	3.87	45	224663	19.152	ug/l	97
23) Vinyl Acetate	3.82	43	932967	98.283	ug/l	100
24) 1,1-Dichloroethane	3.70	63	127760	19.291	ug/l	99
25) 2-Butanone	4.70	43	277643	91.429	ug/l	99
26) 2,2-Dichloropropane	4.58	77	96453	21.205	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	77277	19.775	ug/l	99
28) Bromochloromethane	5.01	49	58775	19.402	ug/l	99
29) Tetrahydrofuran	5.16	42	180318	98.463	ug/l	99
30) Chloroform	5.21	83	123830	19.152	ug/l	96
31) Cyclohexane	5.57	56	113149	20.009	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	102822	19.745	ug/l	99
36) 1,1-Dichloropropene	5.79	75	94007	19.989	ug/l	98
37) Ethyl Acetate	4.86	43	102855	19.229	ug/l	99
38) Carbon Tetrachloride	5.78	117	89271	19.434	ug/l	93

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	99568	20.288	ug/l	98
40) Benzene	6.14	78	281855	20.199	ug/l	96
41) Methacrylonitrile	5.06	41	57435	19.489	ug/l	99
42) 1,2-Dichloroethane	6.20	62	91959	19.870	ug/l	100
43) Isopropyl Acetate	6.46	43	141243	19.881	ug/l	100
44) Trichloroethene	7.21	130	71435	19.705	ug/l	97
45) 1,2-Dichloropropane	7.52	63	64390	19.177	ug/l	100
46) Dibromomethane	7.66	93	41756	19.685	ug/l	99
47) Bromodichloromethane	7.90	83	76104	18.972	ug/l	98
48) Methyl methacrylate	7.78	41	69131	19.662	ug/l	97
49) 1,4-Dioxane	7.76	88	34806	418.264	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	461669	92.084	ug/l	98
52) Toluene	8.79	92	168459	20.491	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	95956	20.478	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	96869	20.279	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	74346	21.002	ug/l	99
56) Ethyl methacrylate	9.18	69	105679	21.103	ug/l	96
57) 1,3-Dichloropropane	9.37	76	120702	20.986	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	246928	101.236	ug/l	96
59) 2-Hexanone	9.50	43	390391	101.517	ug/l	97
60) Dibromochloromethane	9.59	129	66813	20.048	ug/l	99
61) 1,2-Dibromoethane	9.68	107	67820	20.056	ug/l	99
64) Tetrachloroethene	9.34	164	93222	21.393	ug/l	95
65) Chlorobenzene	10.14	112	177473	20.471	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	60251	20.154	ug/l	99
67) Ethyl Benzene	10.25	91	293247	20.803	ug/l	96
68) m/p-Xylenes	10.36	106	231409	42.616	ug/l	97
69) o-Xylene	10.70	106	111396	21.339	ug/l	100
70) Styrene	10.71	104	184899	21.379	ug/l	99
71) Bromoform	10.86	173	47602	19.392	ug/l #	100
73) Isopropylbenzene	11.02	105	299397	21.724	ug/l	100
74) N-amyl acetate	10.90	43	117546	20.264	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	89664	20.170	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	88135m	20.934	ug/l	
77) Bromobenzene	11.26	156	80608	21.161	ug/l	99
78) n-propylbenzene	11.36	91	343801	21.696	ug/l	99
79) 2-Chlorotoluene	11.42	91	205207	21.352	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	251581	21.715	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	27526	20.840	ug/l	99
82) 4-Chlorotoluene	11.51	91	236207	21.058	ug/l	98
83) tert-Butylbenzene	11.77	119	238690	21.640	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	258249	21.832	ug/l	98
85) sec-Butylbenzene	11.94	105	305259	21.718	ug/l	99
86) p-Isopropyltoluene	12.07	119	273127	22.005	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	147837	20.801	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	148620	20.238	ug/l	98
89) n-Butylbenzene	12.39	91	233854	20.675	ug/l	98
90) Hexachloroethane	12.60	117	38898	19.576	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	148119	20.590	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20159	21.238	ug/l	98

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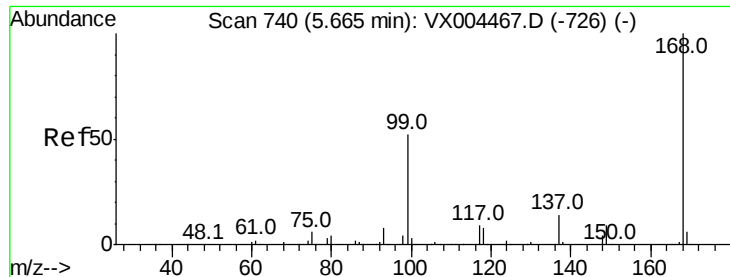
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106629	20.934	ug/l	100
94) Hexachlorobutadiene	13.79	225	54353	20.428	ug/l	98
95) Naphthalene	13.83	128	311074	21.774	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	109718	20.967	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: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion:168 Resp: 303190

Ion Ratio Lower Upper

168 100

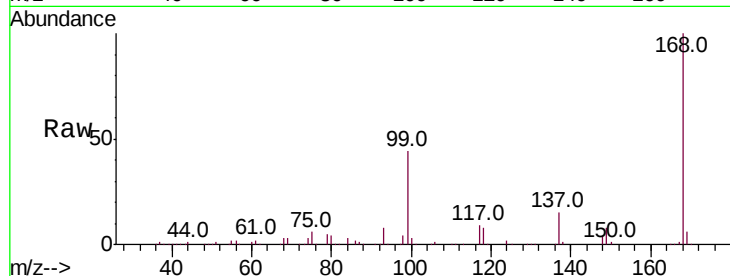
99 43.8 39.9 59.9

Manual Integrations

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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

120000

100000

80000

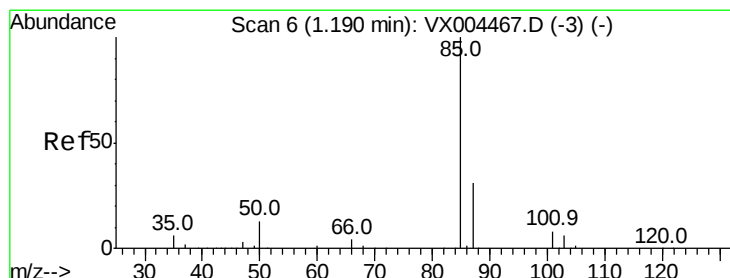
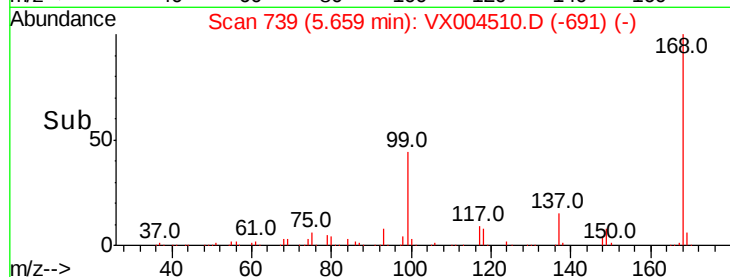
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.615 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004510.D

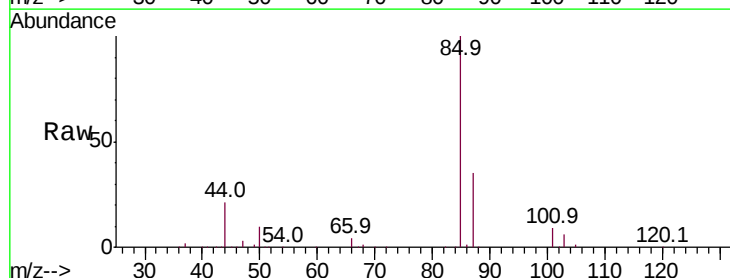
Acq: 13 Sep 2018 12:34

Tgt Ion: 85 Resp: 55735

Ion Ratio Lower Upper

85 100

87 34.6 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

60000

50000

40000

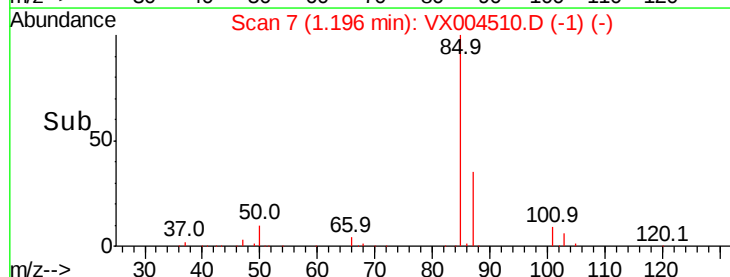
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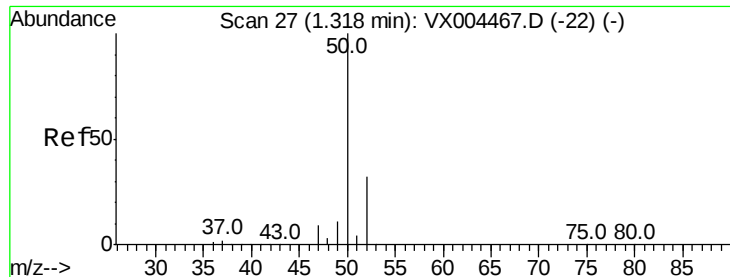
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.999 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion: 50 Resp: 70388

Ion Ratio Lower Upper

50 100

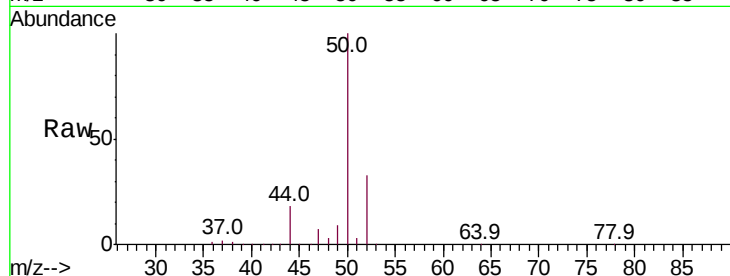
52 32.6 26.2 39.2

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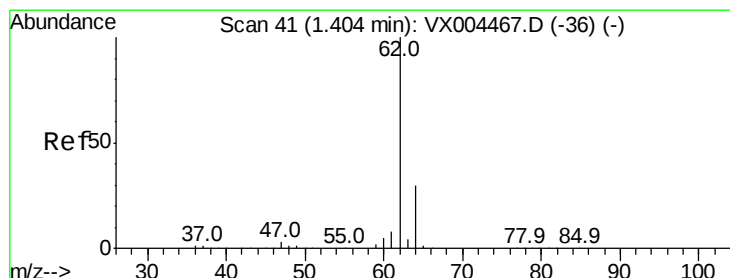
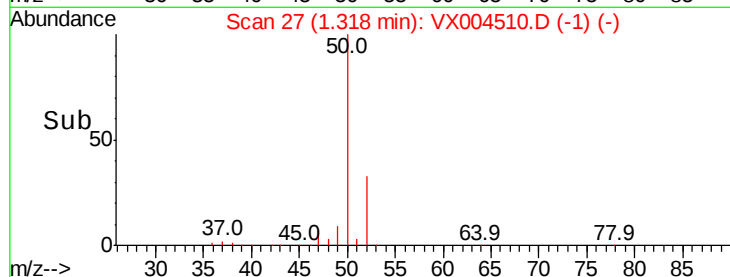
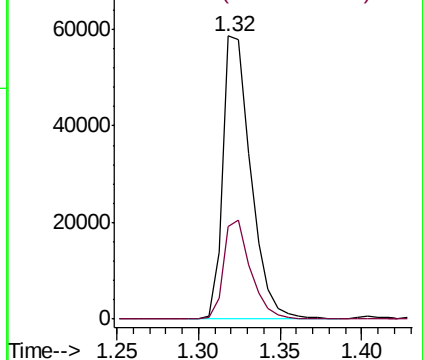
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.344 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004510.D

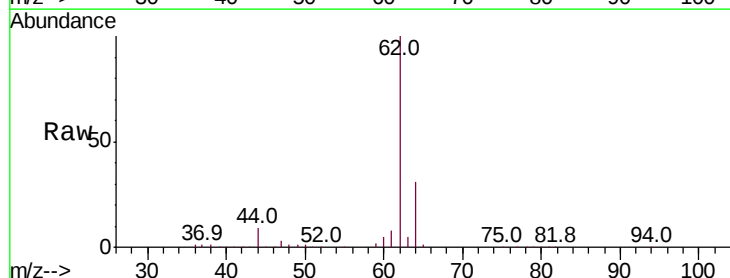
Acq: 13 Sep 2018 12:34

Tgt Ion: 62 Resp: 77638

Ion Ratio Lower Upper

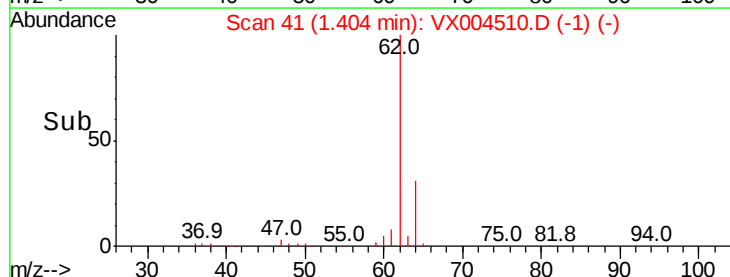
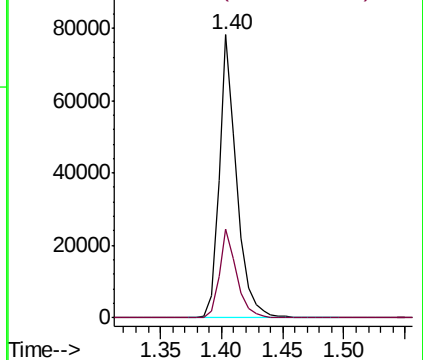
62 100

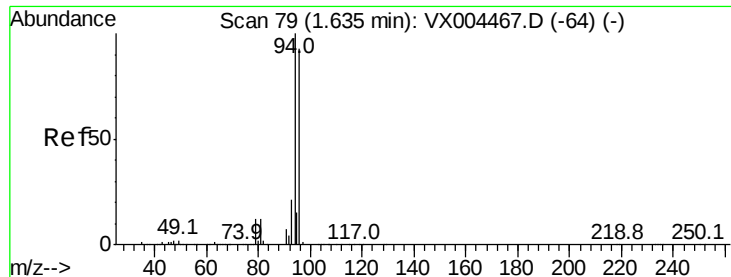
64 31.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.037 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion: 94 Resp: 38146

Ion Ratio Lower Upper

94 100

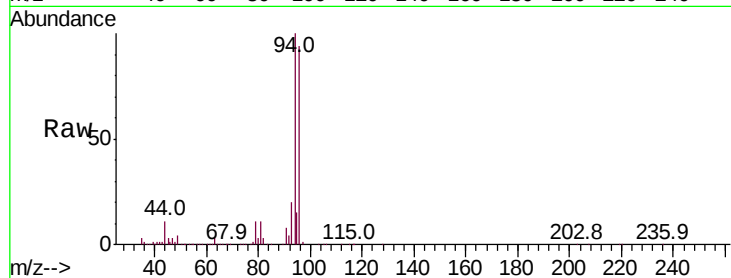
96 94.2 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

20000

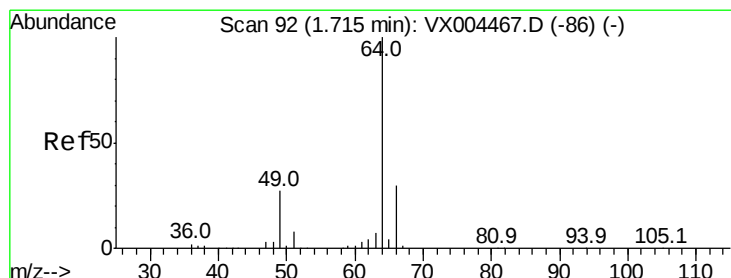
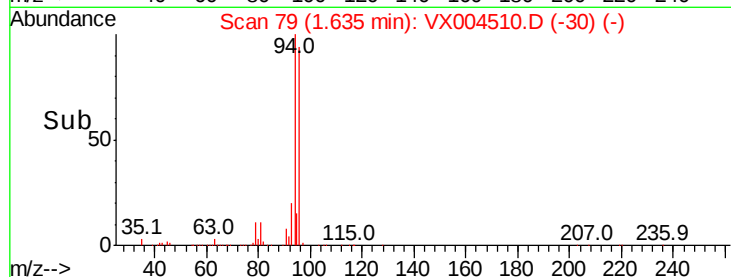
10000

0

1.60

1.70

Time-->



#6

Chloroethane

Concen: 18.394 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004510.D

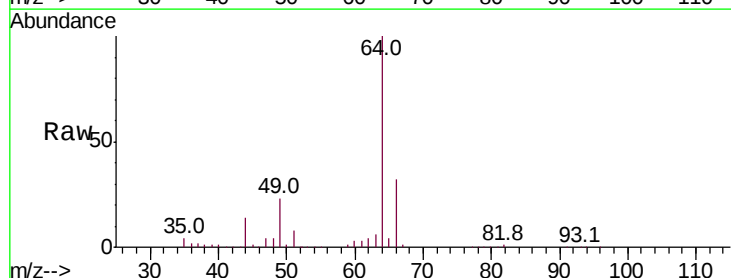
Acq: 13 Sep 2018 12:34

Tgt Ion: 64 Resp: 47742

Ion Ratio Lower Upper

64 100

66 32.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

20000

10000

0

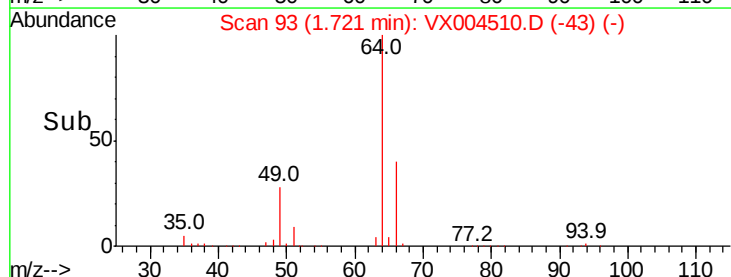
1.65

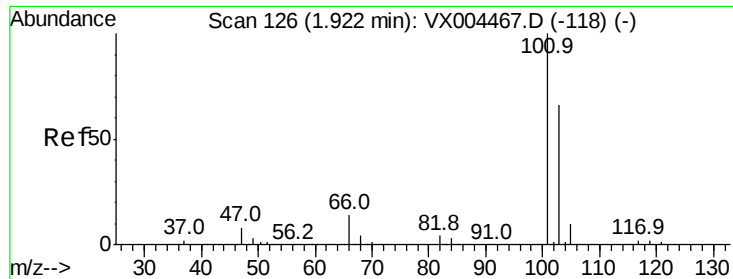
1.70

1.75

1.80

Time-->





#7

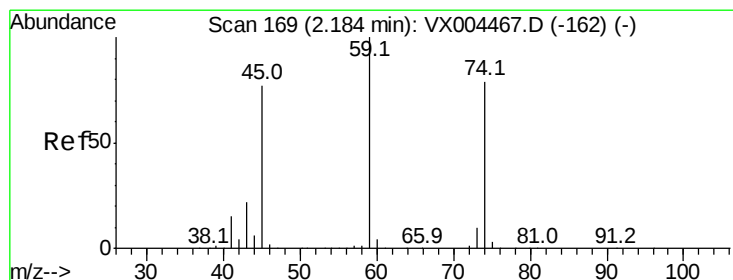
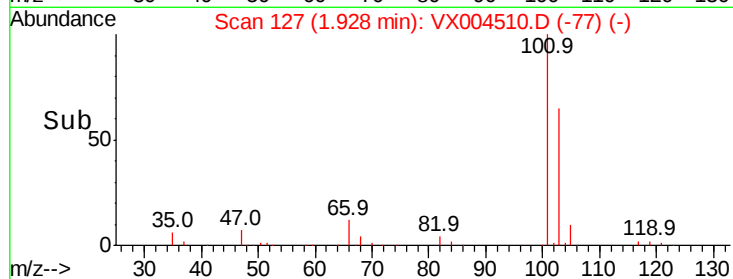
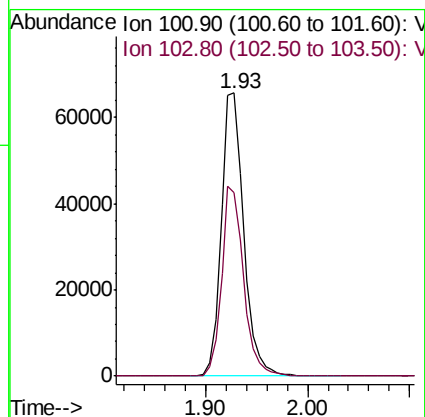
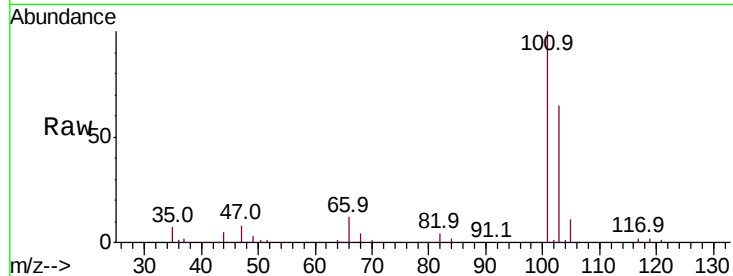
Trichlorofluoromethane
Concen: 19.026 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
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VX0913MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	101233		
103	64.9	48.9	73.3	

Manual Integrations
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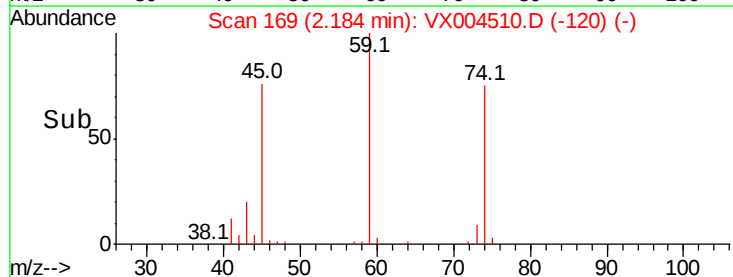
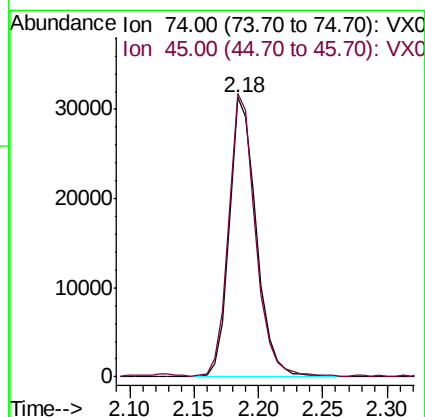
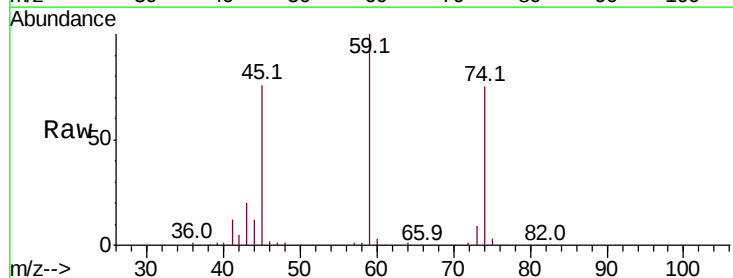
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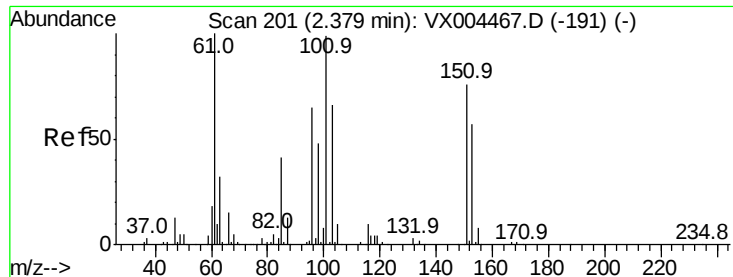


#8

Diethyl Ether
Concen: 19.295 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46026		
45	100.2	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.059 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

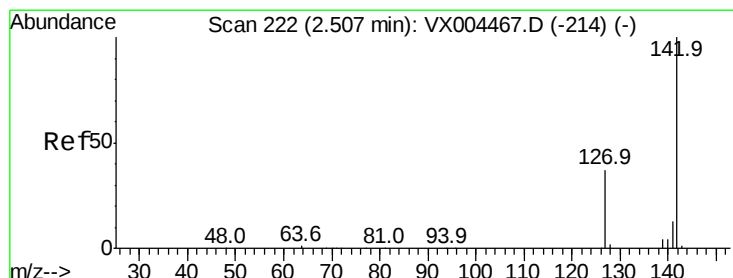
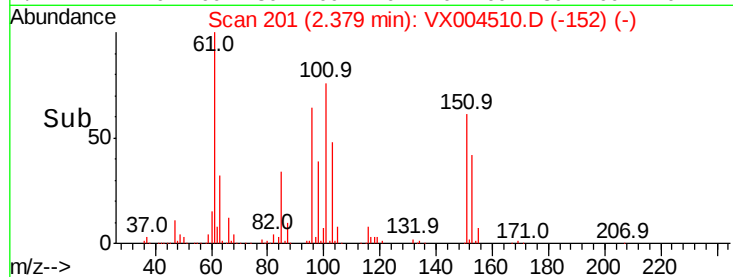
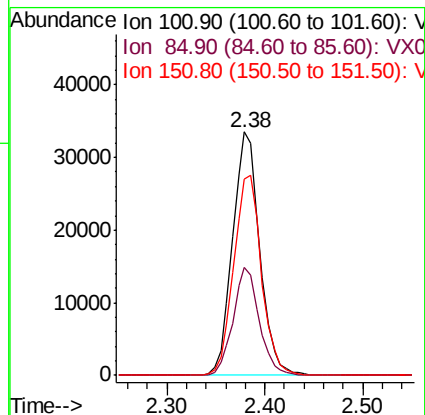
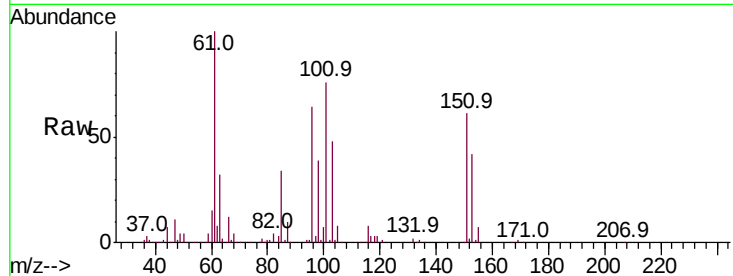
ClientSampleId :

VX0913MBS01

Tot Ion:	101	Resp:	64332
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.4
151	84.3	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.105 ug/l

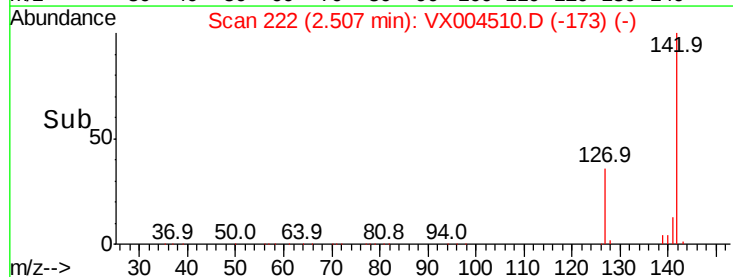
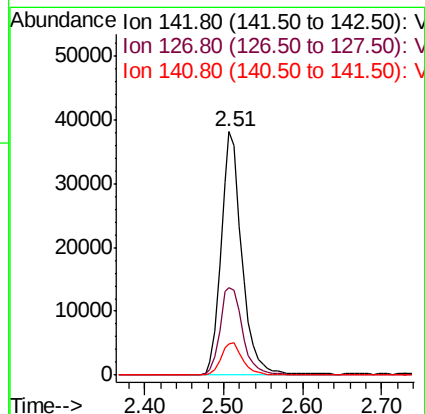
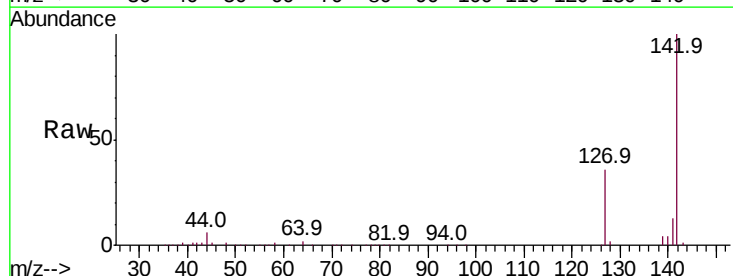
RT: 2.51 min Scan# 222

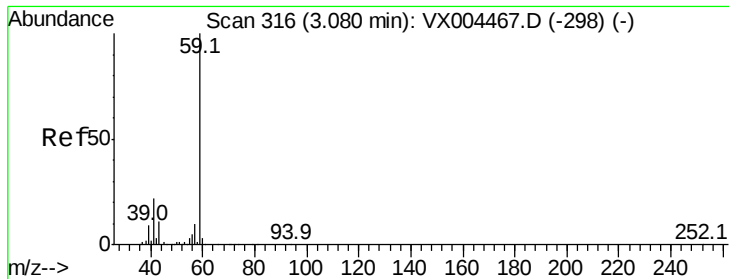
Delta R.T. 0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Tgt Ion:	142	Resp:	69896
Ion Ratio	Lower	Upper	
142	100		
127	39.1	33.8	50.6
141	13.6	11.4	17.0





#11

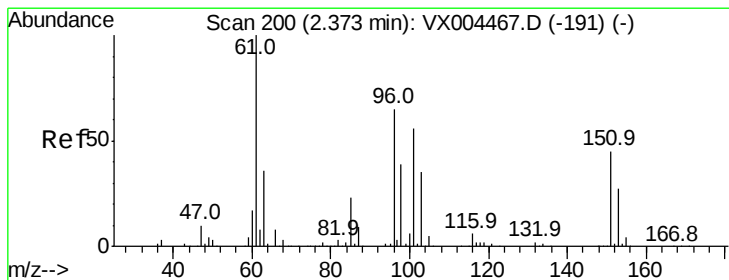
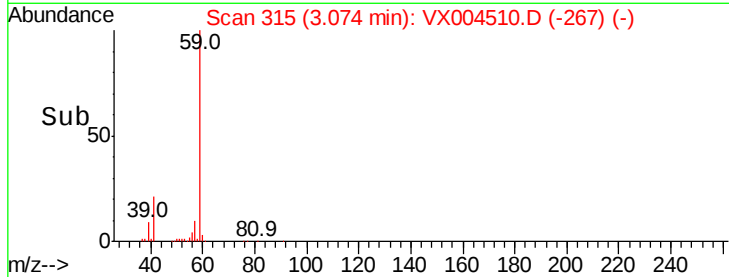
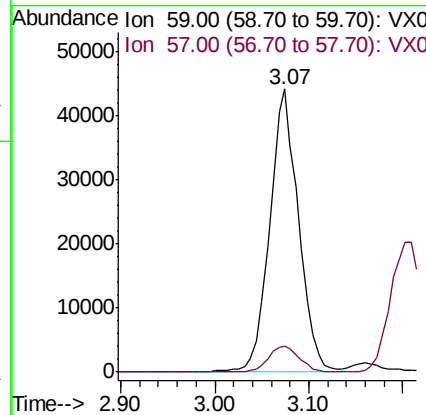
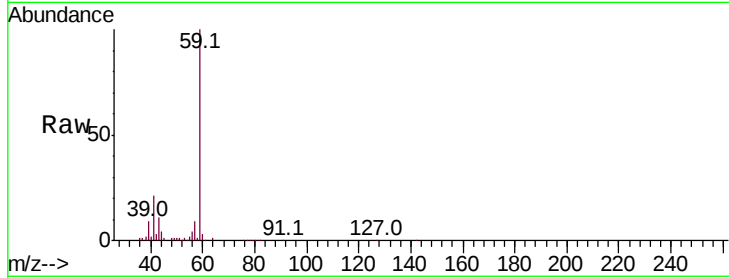
Tert butyl alcohol
Concen: 102.033 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

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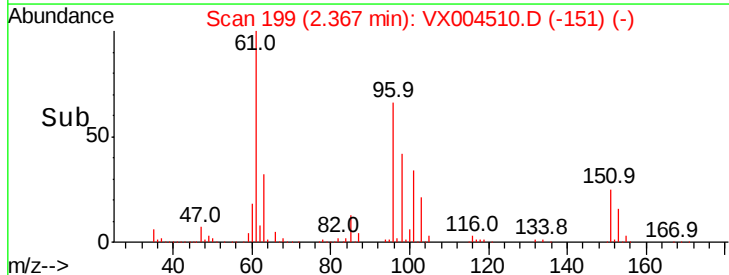
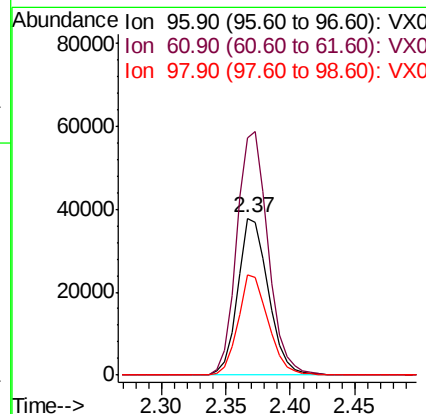
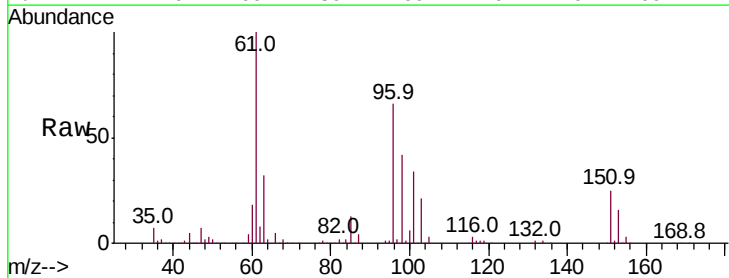
MMDadoda
9/15/2018 11:23:47 AM

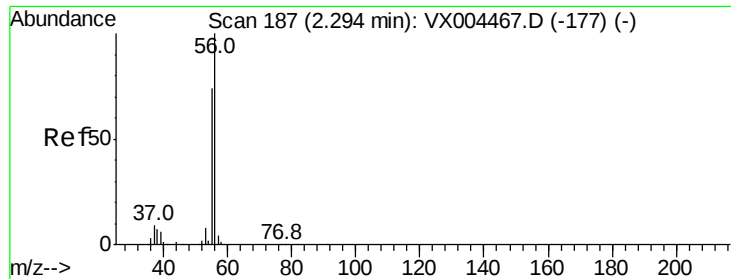


#12

1,1-Dichloroethene
Concen: 19.718 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.0	128.8	193.2
98	63.9	52.2	78.2





#13

Acrolein

Concen: 92.755 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion: 56 Resp: 34155

Ion Ratio Lower Upper

56 100

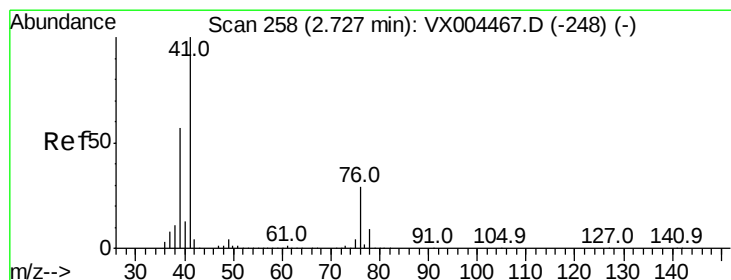
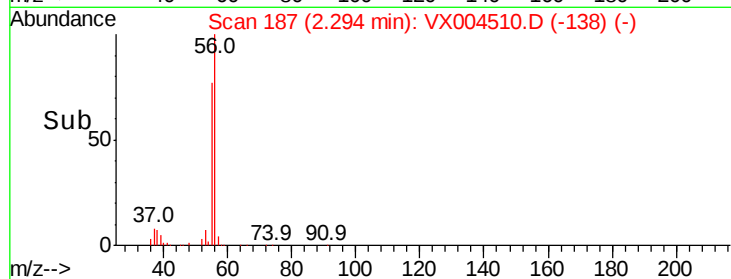
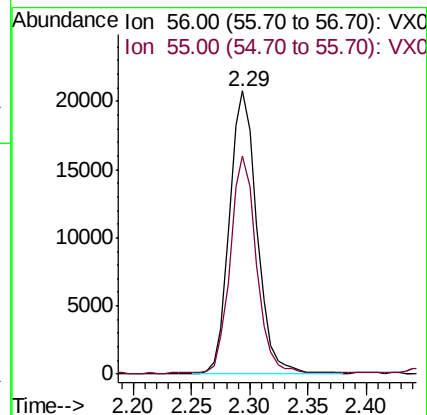
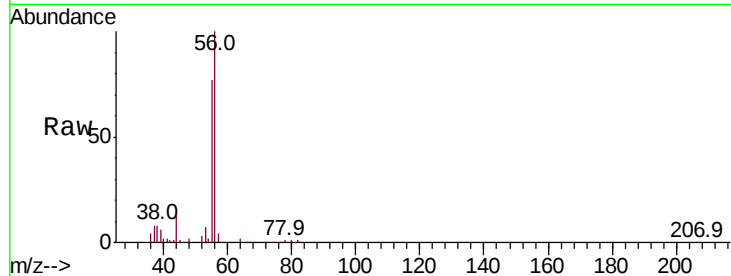
55 72.3 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.021 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

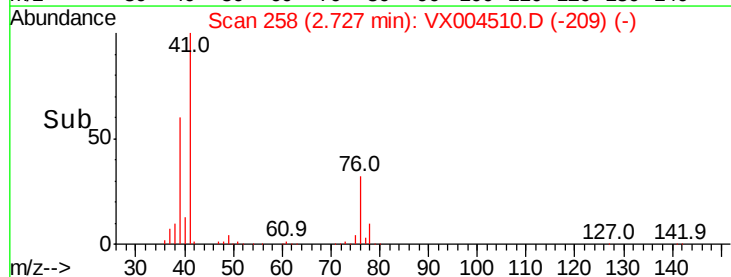
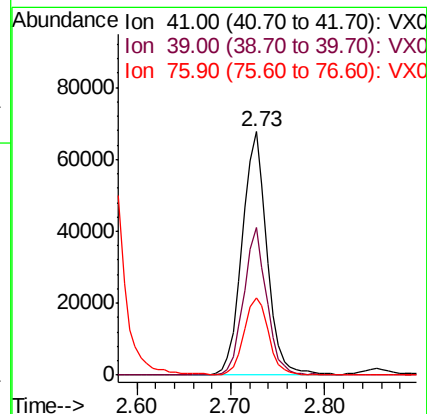
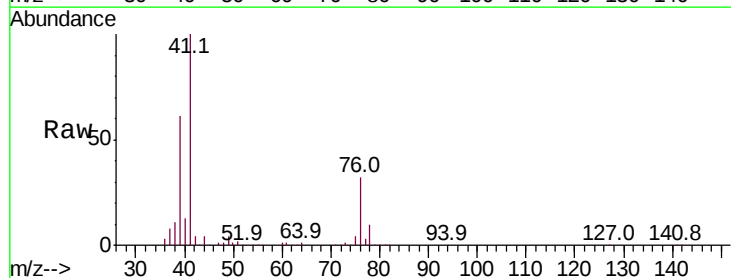
Tgt Ion: 41 Resp: 123881

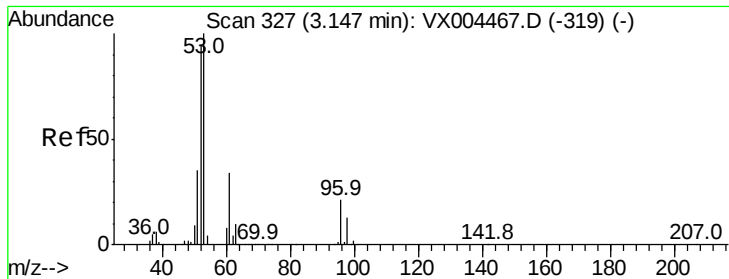
Ion Ratio Lower Upper

41 100

39 56.1 48.9 73.3

76 31.6 26.7 40.1





#15

Acrylonitrile

Concen: 95.857 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

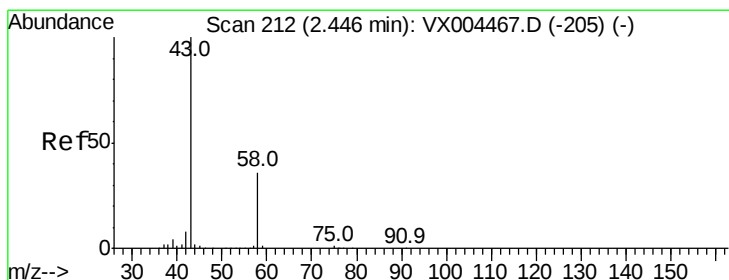
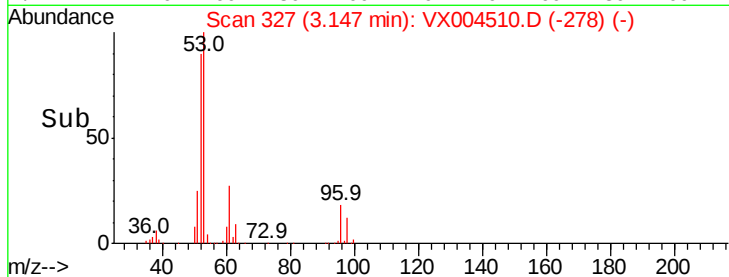
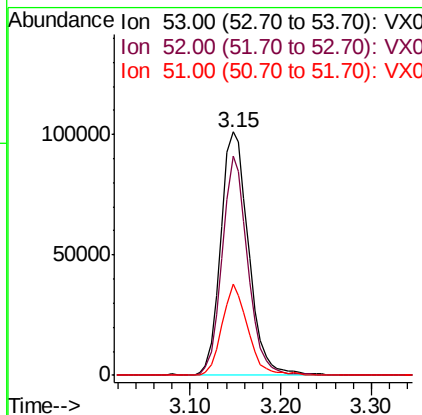
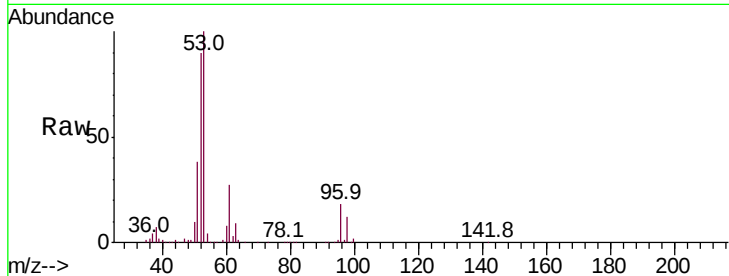
ClientSampleId :

VX0913MBS01

Tot Ion:	53	Resp:	215329
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.2	97.8
51	34.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 89.730 ug/l

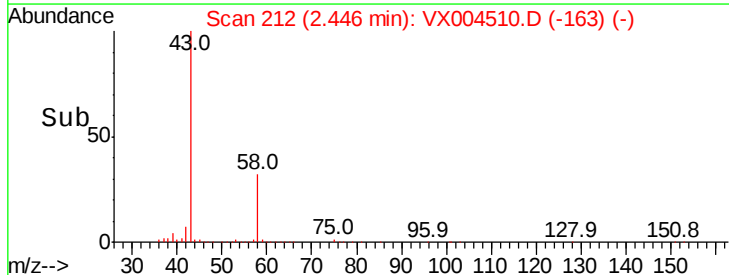
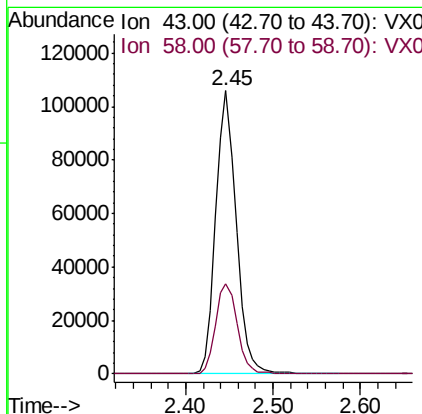
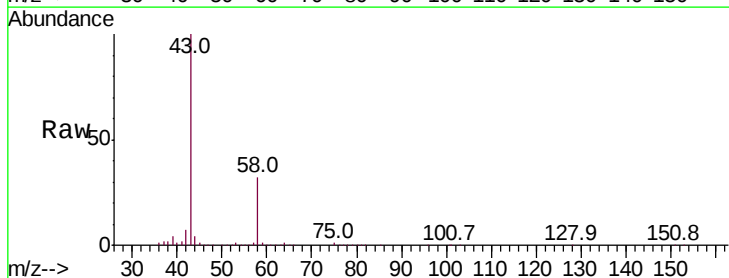
RT: 2.45 min Scan# 212

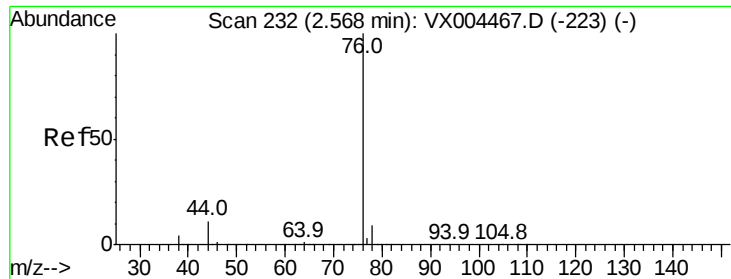
Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Tgt Ion:	43	Resp:	171210
Ion	Ratio	Lower	Upper
43	100		
58	32.0	26.2	39.4





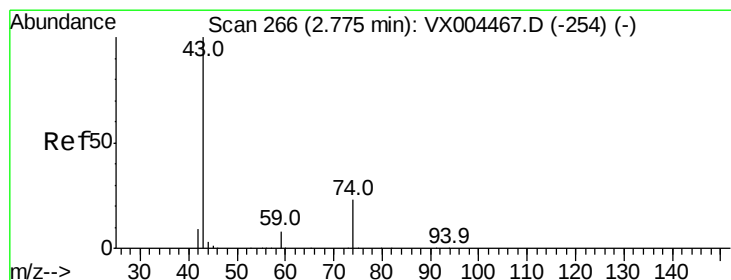
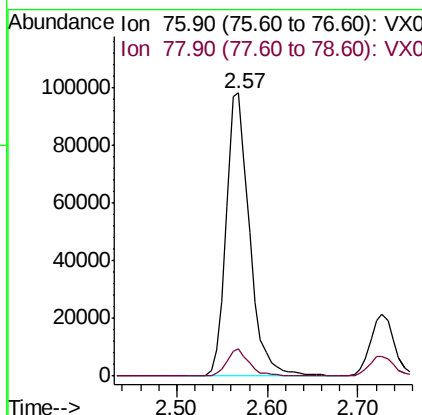
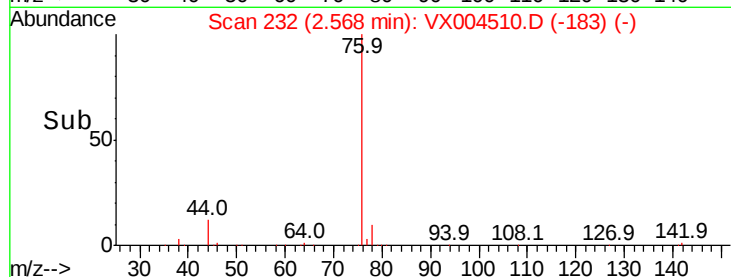
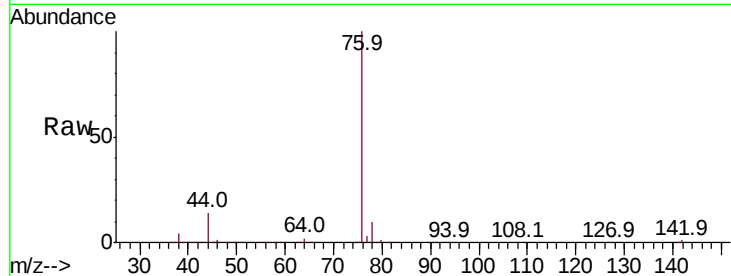
#17
Carbon Disulfide
Concen: 19.175 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.6

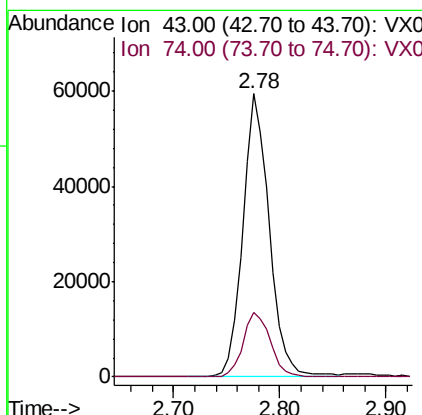
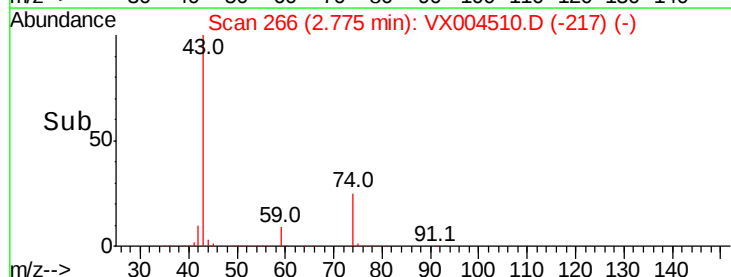
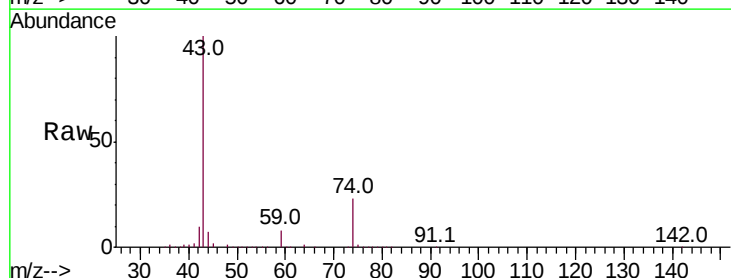
Manual Integrations
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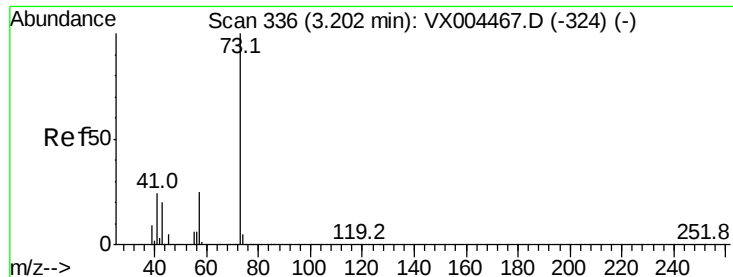
MMDadoda
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#18
Methyl Acetate
Concen: 19.172 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.4	29.2





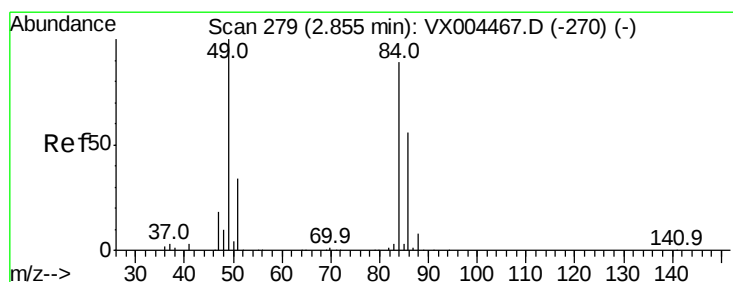
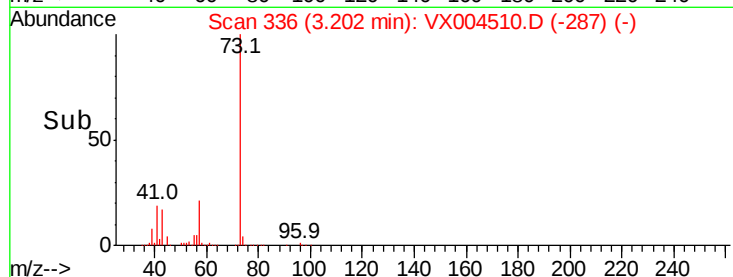
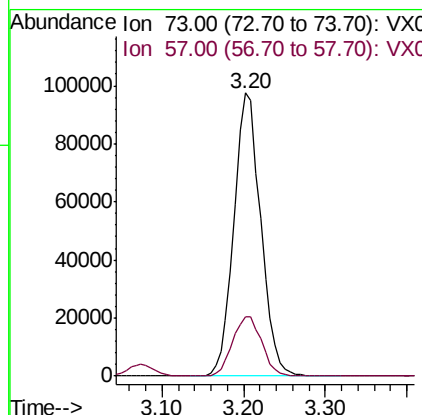
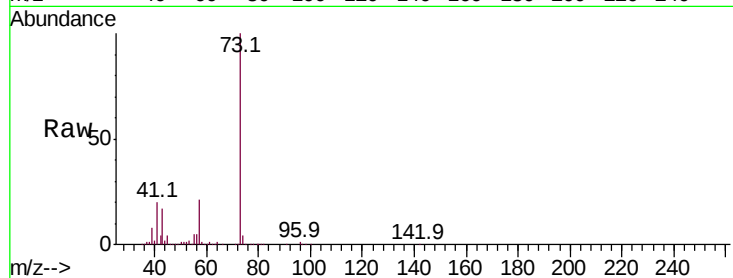
#19
Methvl tert-butvl Ether
Concen: 19.859 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion: 73 Resp: 220743
Ion Ratio Lower Upper
73 100
57 20.8 17.1 25.7

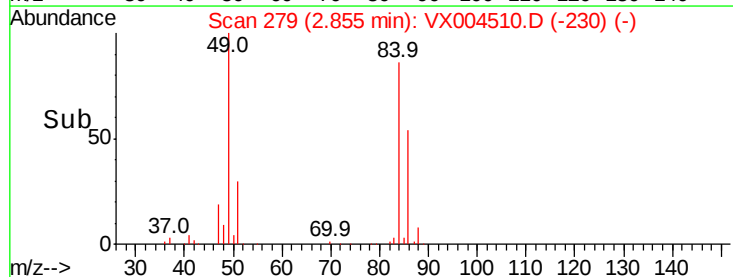
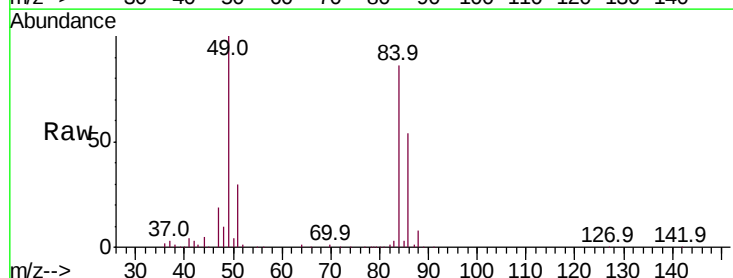
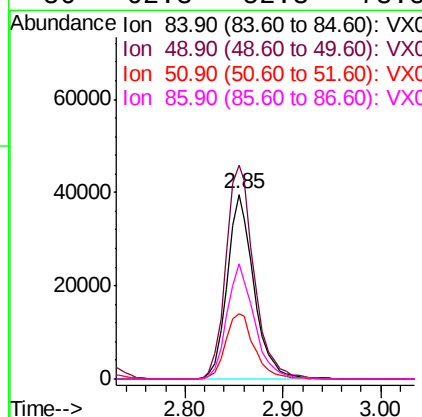
Manual Integrations
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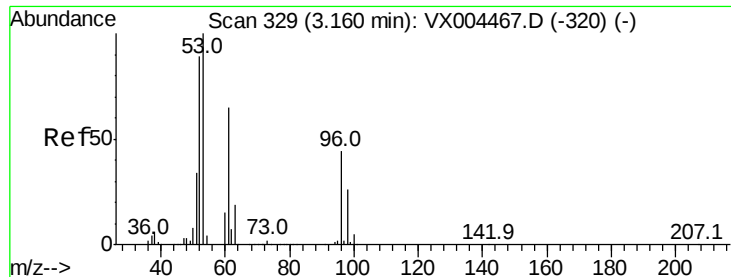
MMDadoda
9/15/2018 11:23:47 AM



#20
Methylene Chloride
Concen: 19.128 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 84 Resp: 74869
Ion Ratio Lower Upper
84 100
49 115.7 101.2 151.8
51 35.0 29.5 44.3
86 62.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.719 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

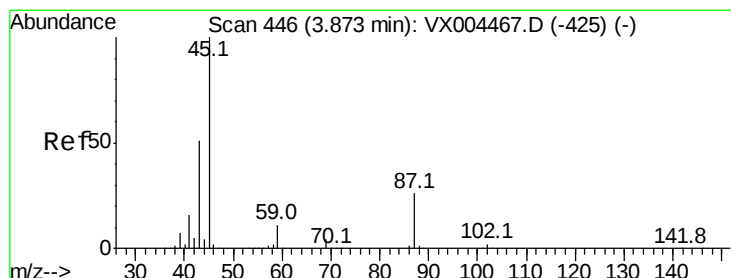
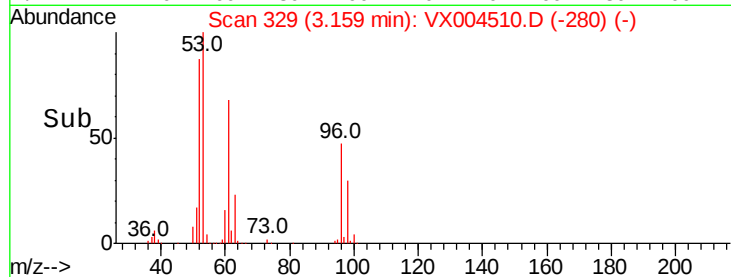
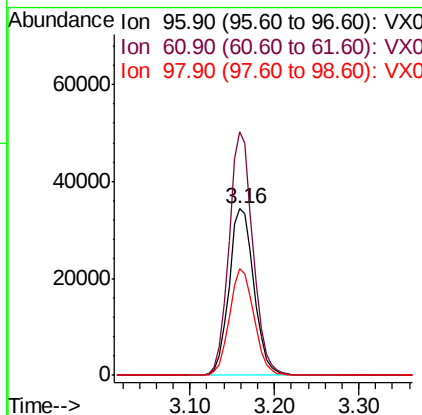
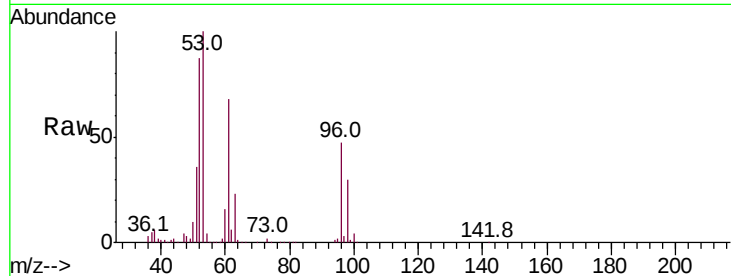
ClientSampleId :

VX0913MBS01

Tot Ion:	96	Resp:	69030
Ion	Ratio	Lower	Upper
96	100		
61	146.4	113.8	170.6
98	64.4	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.152 ug/l

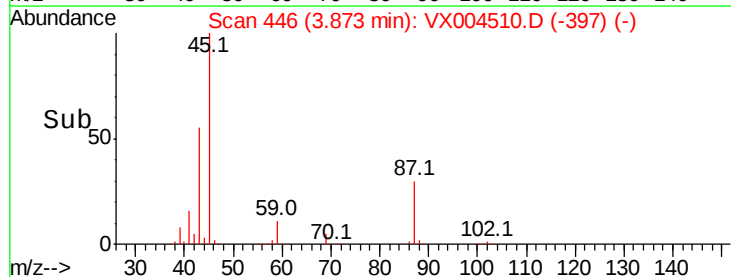
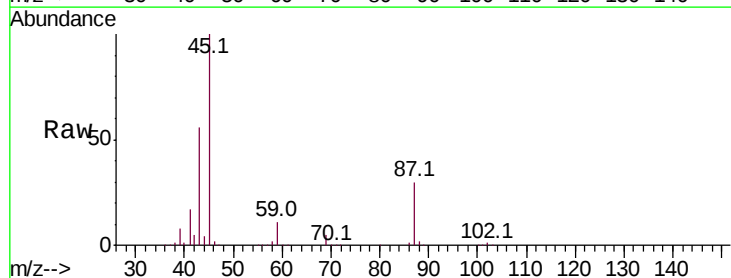
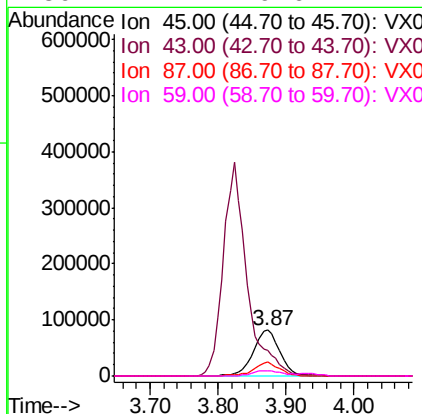
RT: 3.87 min Scan# 446

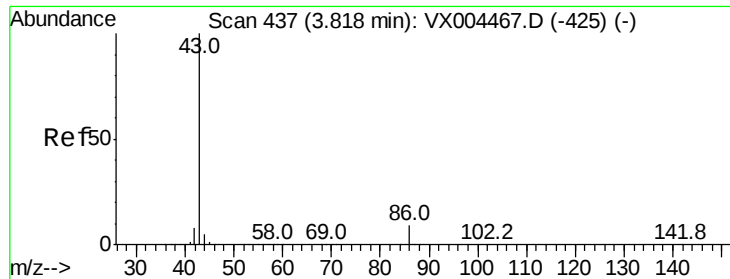
Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Tgt Ion:	45	Resp:	224663
Ion	Ratio	Lower	Upper
45	100		
43	55.4	42.8	64.2
87	29.5	22.6	34.0
59	11.1	9.6	14.4





#23

Vinyl Acetate

Concen: 98.283 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Tot Ion: 43 Resp: 932967

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3

Instrument :

MSVOA_X

ClientSampleId :

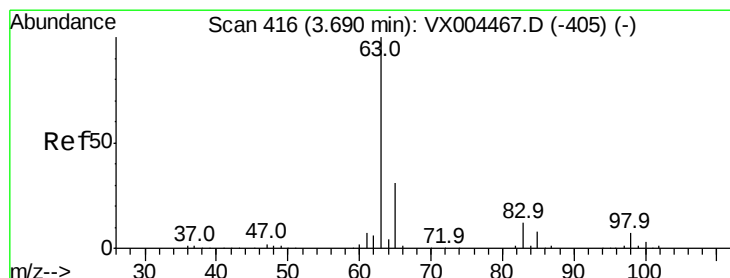
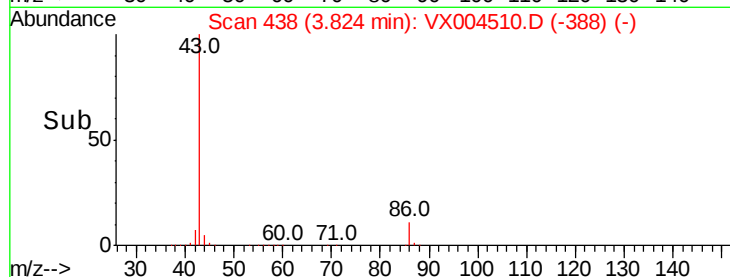
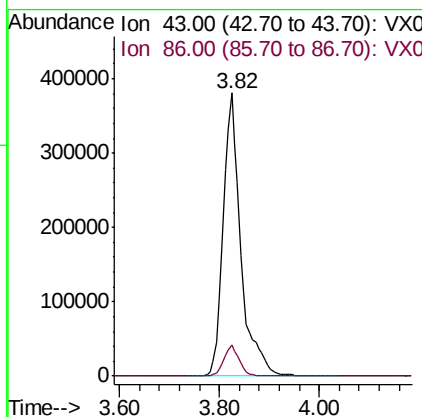
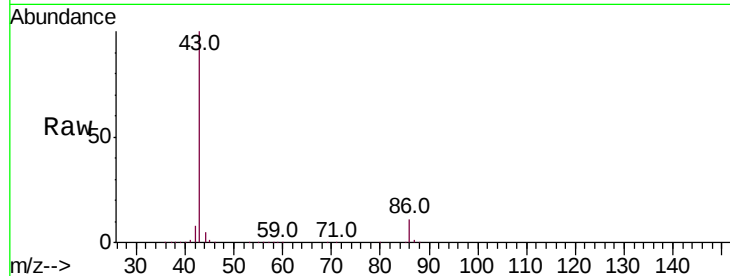
VX0913MBS01

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.291 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

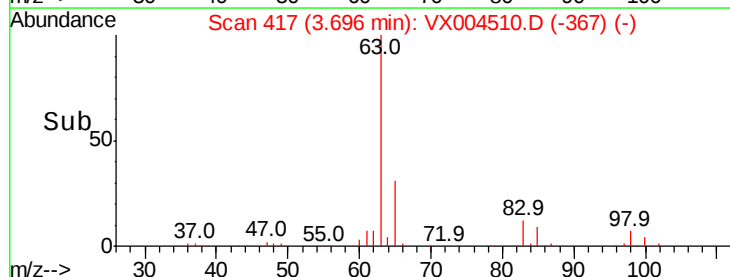
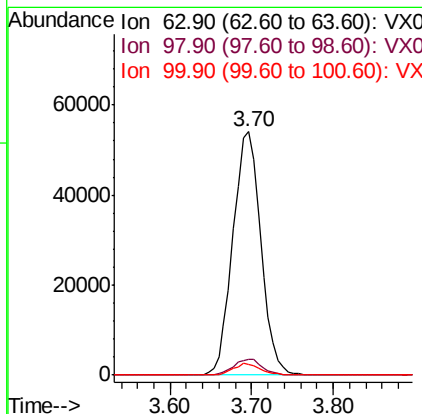
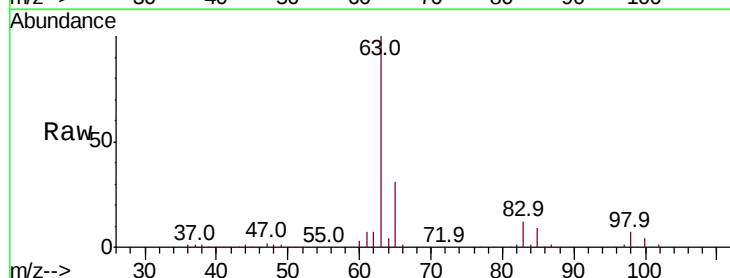
Tgt Ion: 63 Resp: 127760

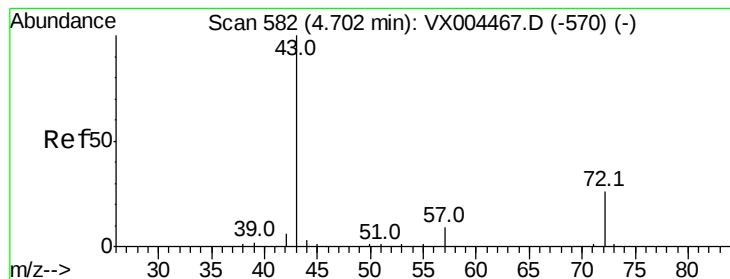
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 91.429 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion: 43 Resp: 277643

Ion Ratio Lower Upper

43 100

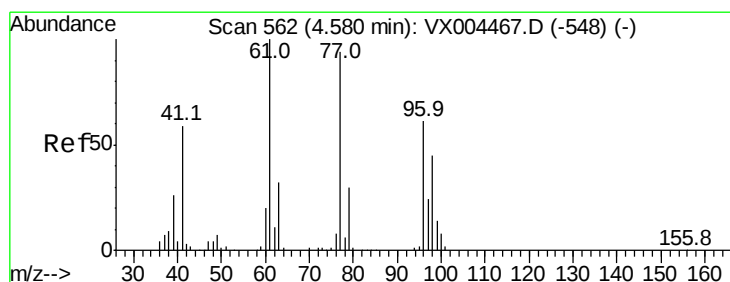
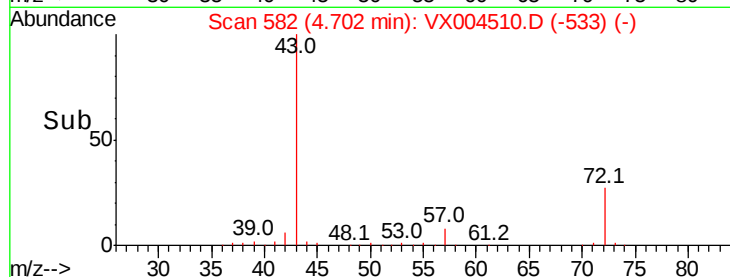
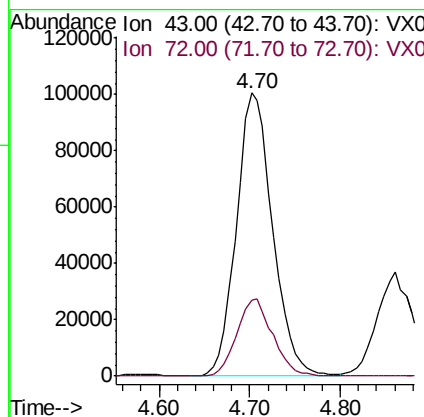
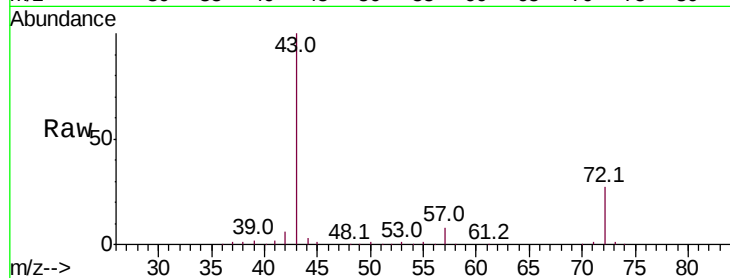
72 27.0 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 21.205 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004510.D

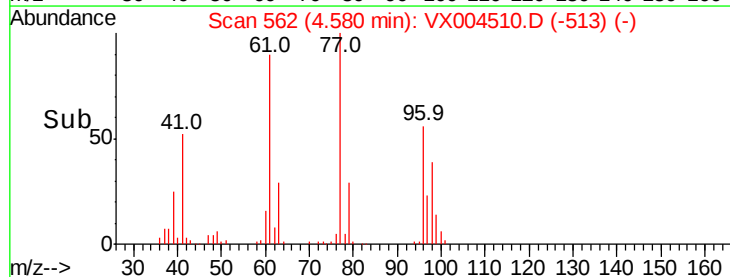
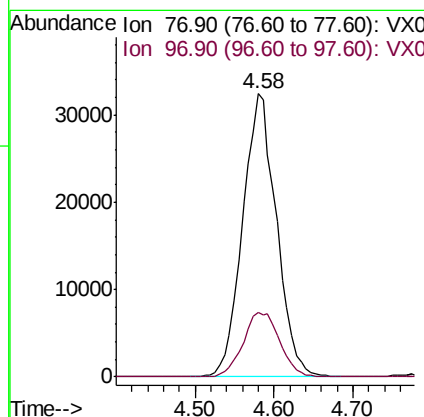
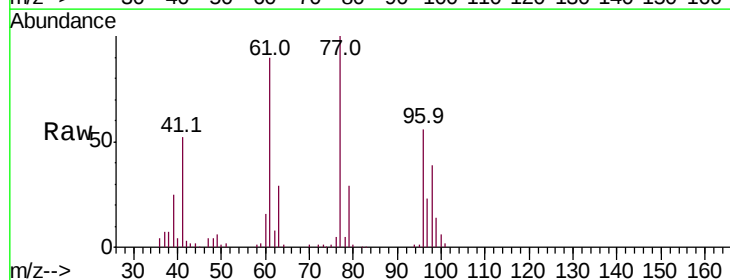
Acq: 13 Sep 2018 12:34

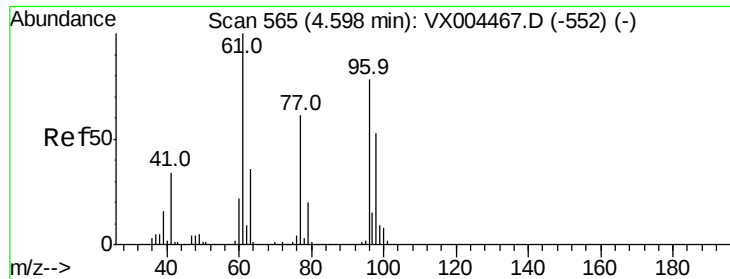
Tgt Ion: 77 Resp: 96453

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.0





#27

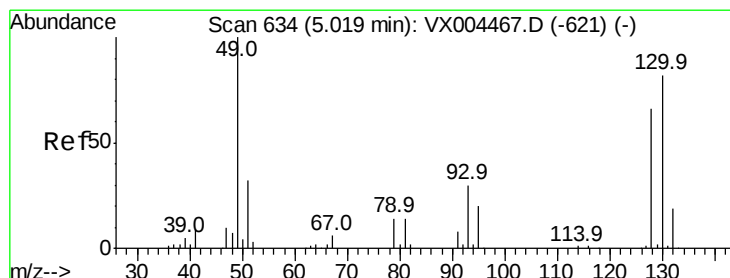
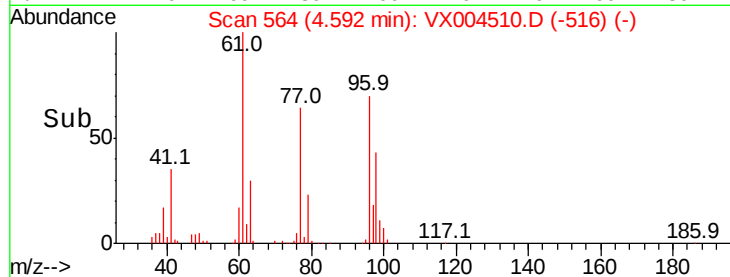
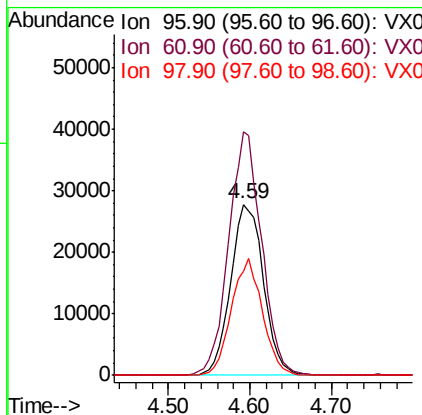
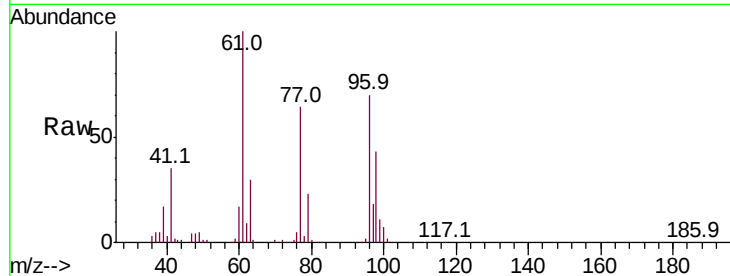
cis-1,2-Dichloroethene
 Concen: 19.775 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	282.6
98	64.4	0.0	130.2

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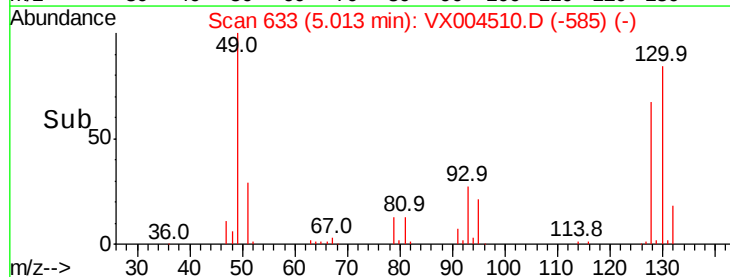
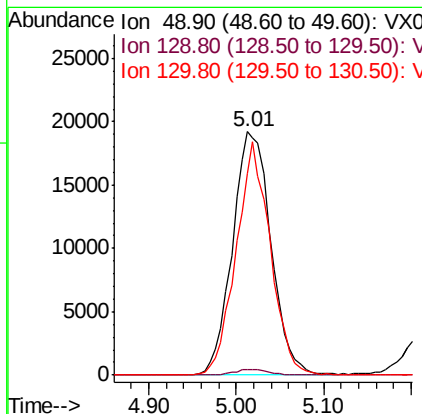
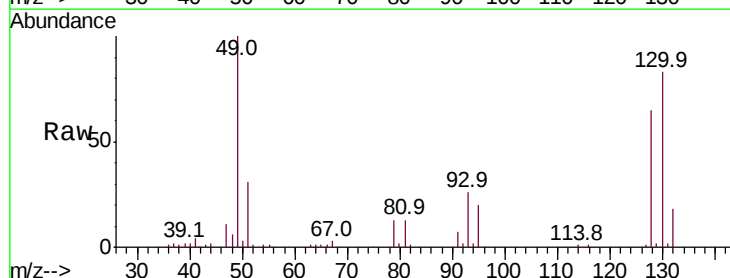
MMDadoda
 9/15/2018 11:23:47 AM

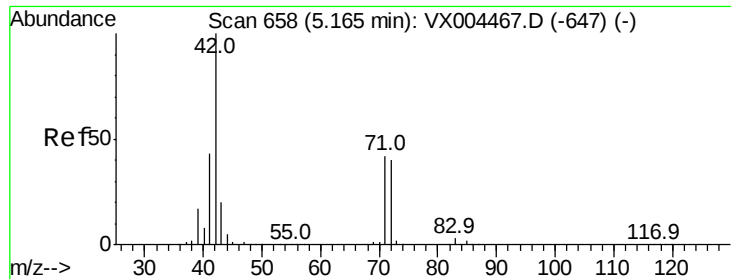


#28

Bromochloromethane
 Concen: 19.402 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	85.0	67.5	101.3





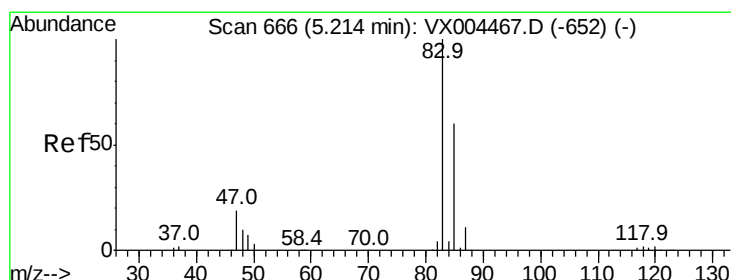
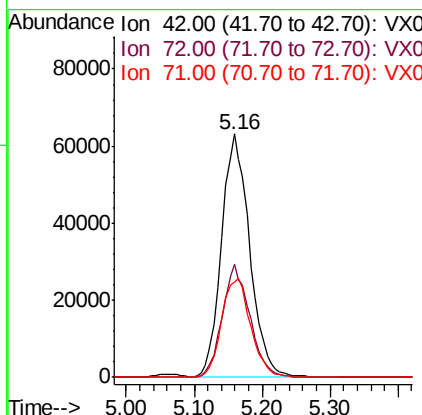
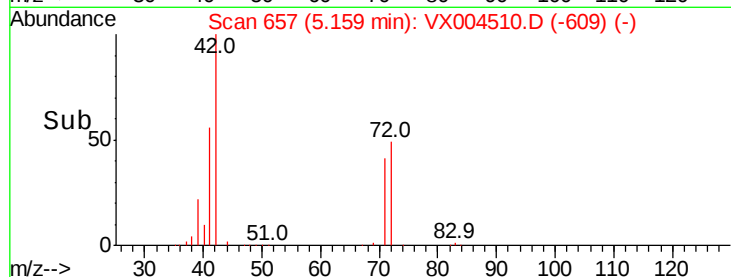
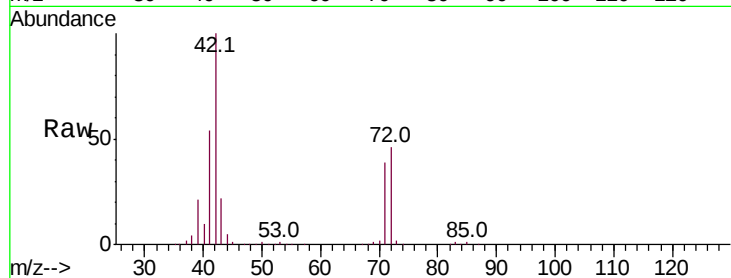
#29
Tetrahydrofuran
Concen: 98.463 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	180318		
72	45.7		37.4	56.0
71	42.3		34.5	51.7

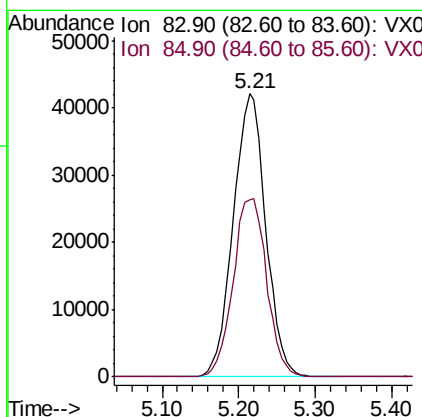
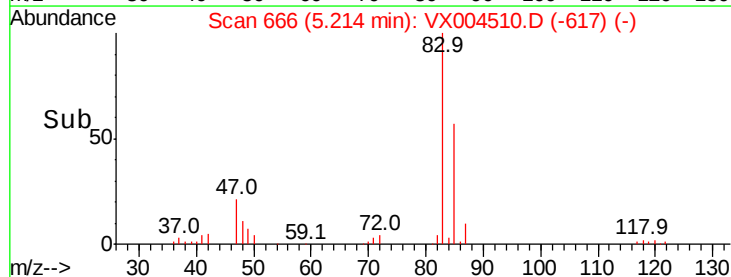
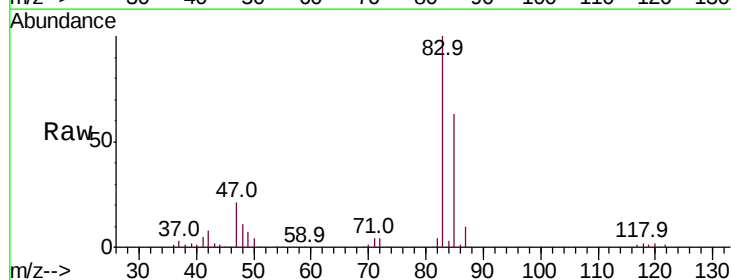
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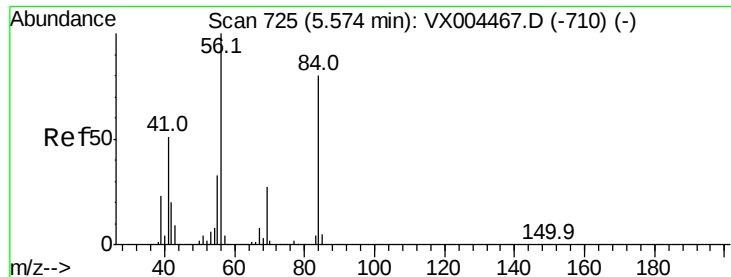
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#30
Chloroform
Concen: 19.152 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	123830		
85	62.5		52.6	79.0





#31

Cyclohexane

Concen: 20.009 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion: 56 Resp: 113149

Ion Ratio Lower Upper

56 100

69 28.7 25.4 38.2

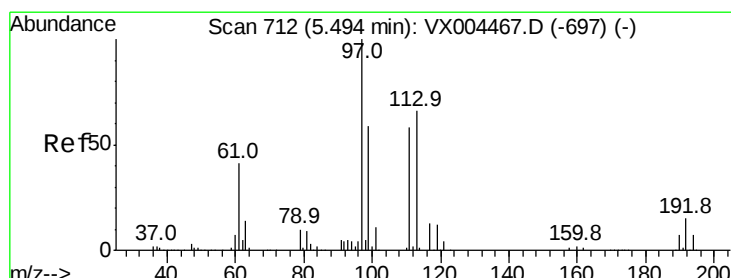
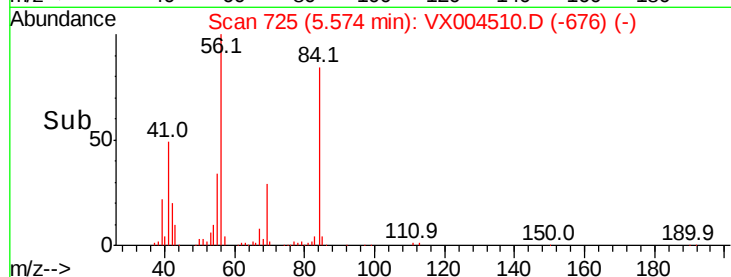
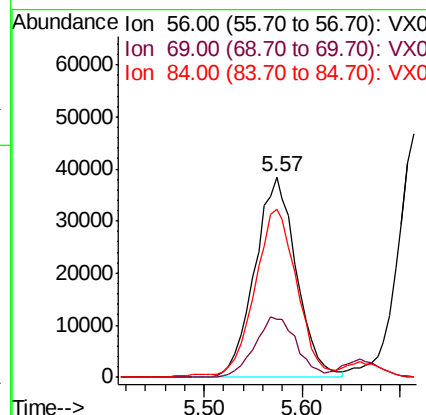
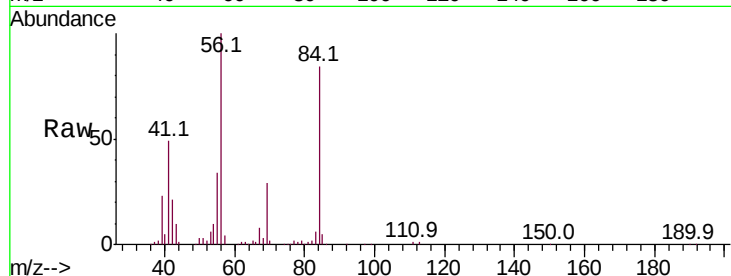
84 82.4 71.4 107.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.745 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

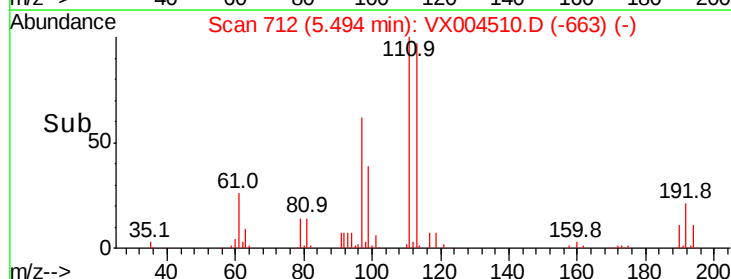
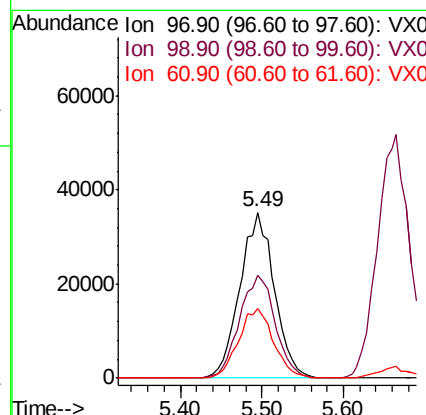
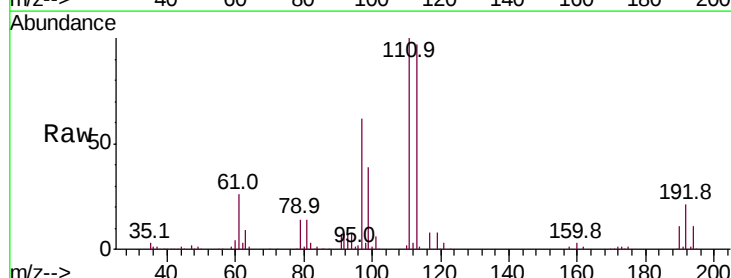
Tgt Ion: 97 Resp: 102822

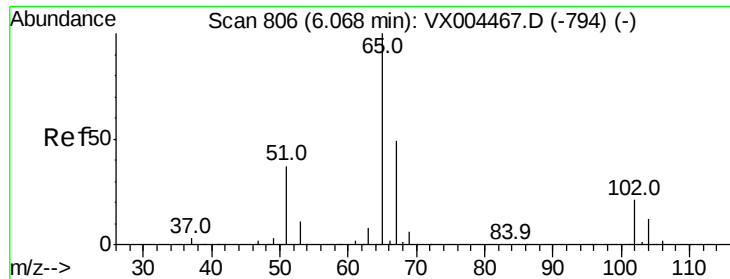
Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

61 43.0 34.9 52.3





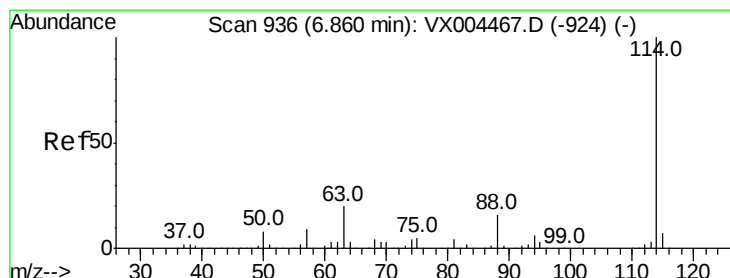
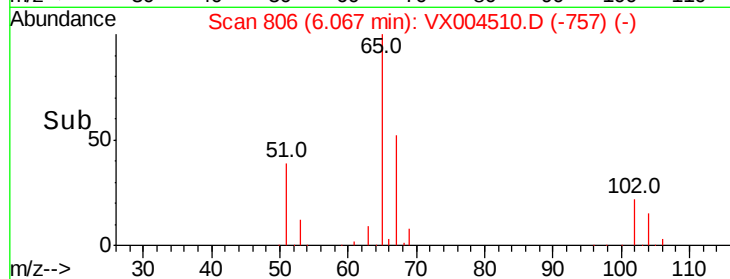
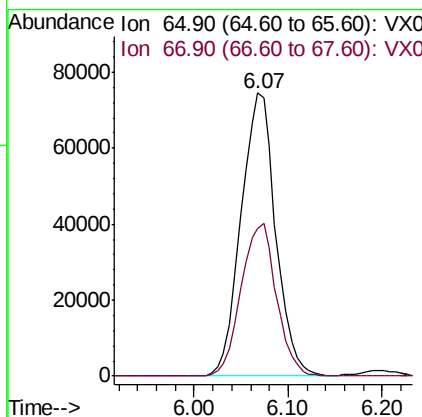
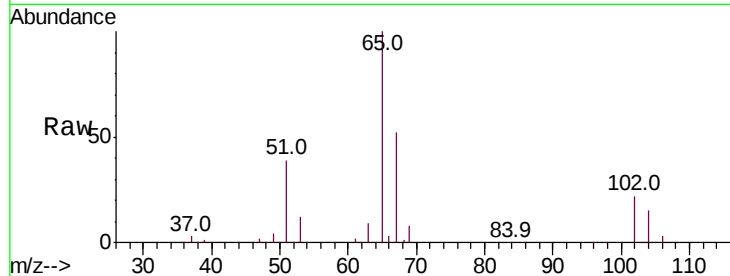
#33
 1,2-Dichloroethane-d4
 Concen: 49.197 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192328		
67	55.1	0.0	106.8	

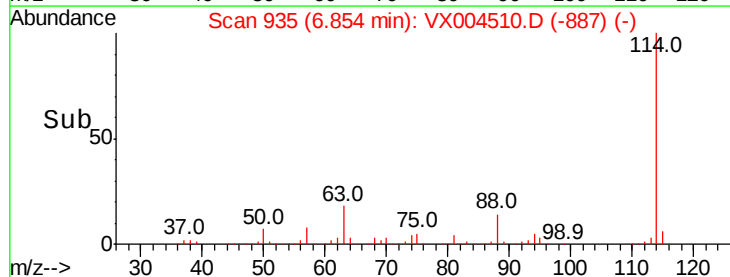
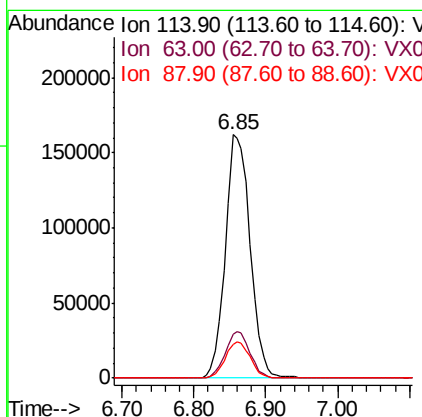
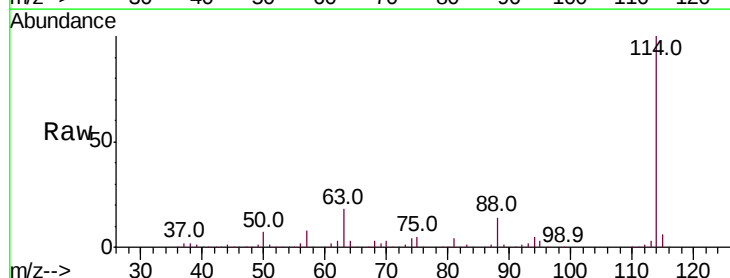
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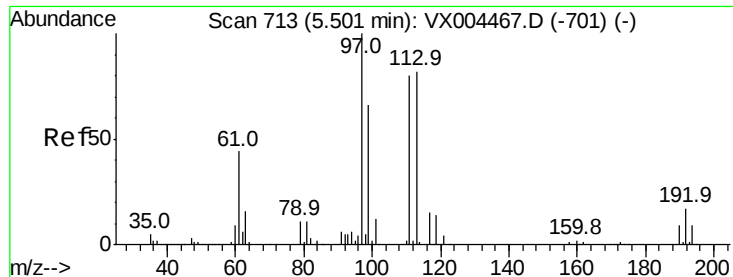
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	387377		
63	18.2	0.0	39.0	
88	13.8	0.0	30.4	





#35

Dibromofluoromethane

Concen: 48.368 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

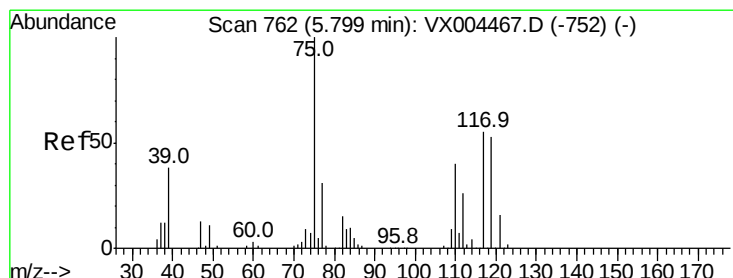
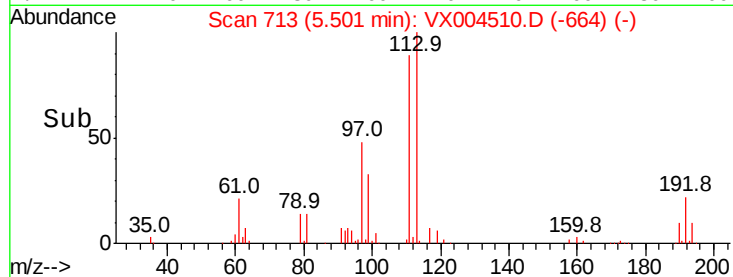
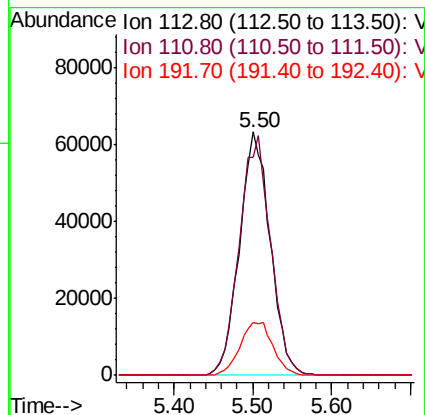
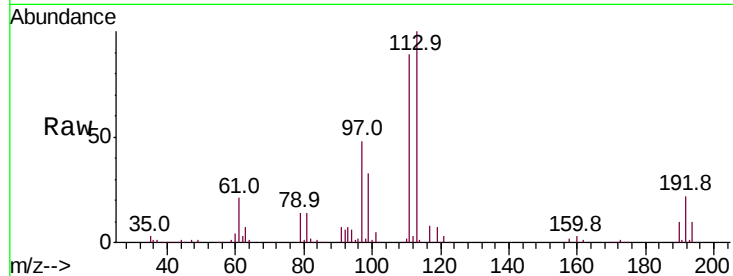
ClientSampleId :

VX0913MBS01

Tot Ion:	113	Resp:	171458
Ion Ratio	Lower	Upper	
113	100		
111	100.6	82.4	123.6
192	23.5	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 19.989 ug/l

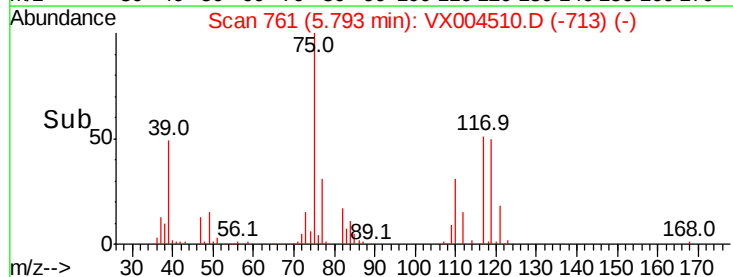
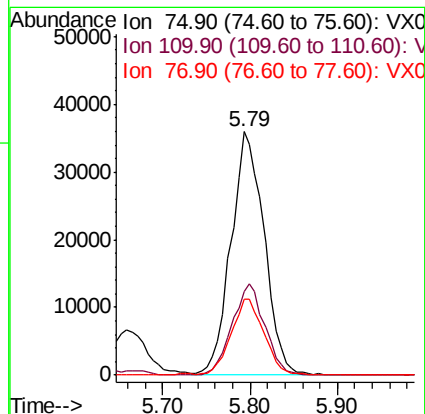
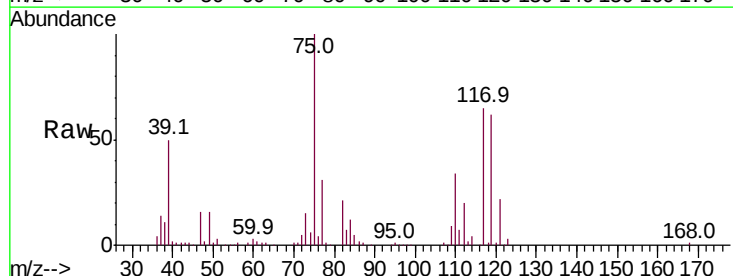
RT: 5.79 min Scan# 761

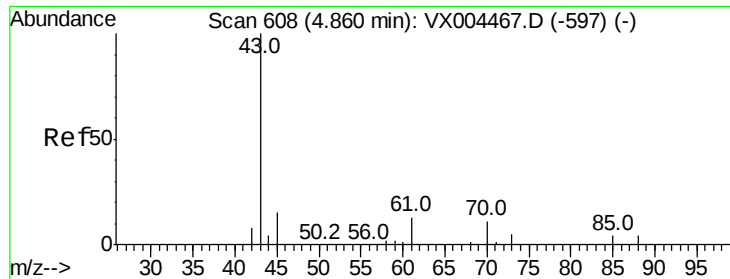
Delta R.T. -0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Tgt Ion:	75	Resp:	94007
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.0	54.0
77	31.8	24.6	36.8





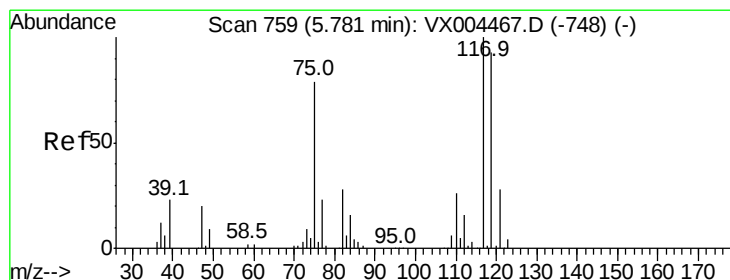
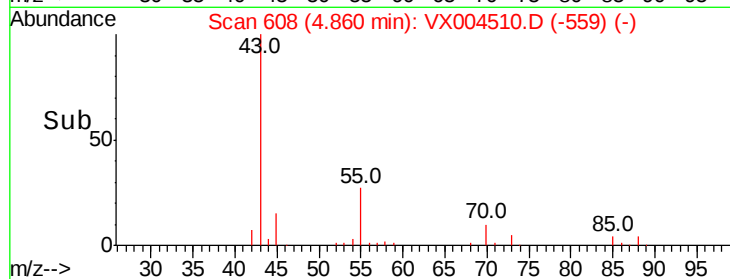
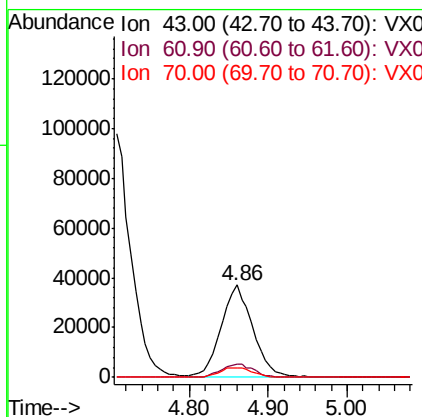
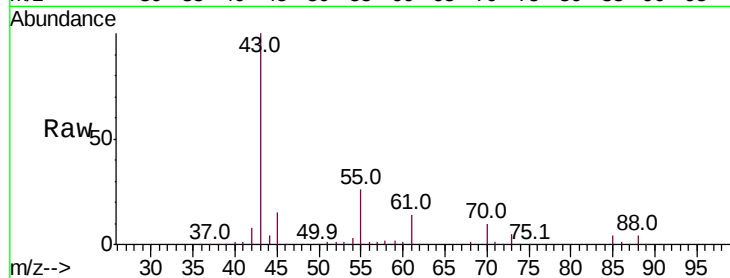
#37
Ethyl Acetate
Concen: 19.229 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.2	9.0	13.6

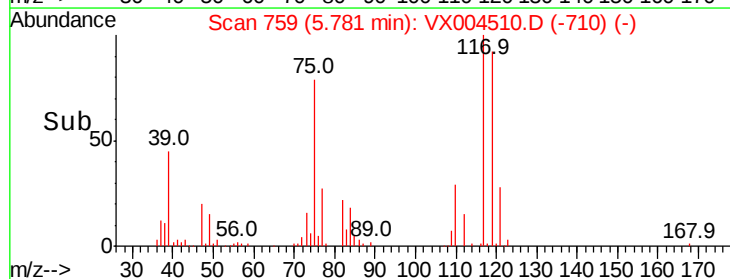
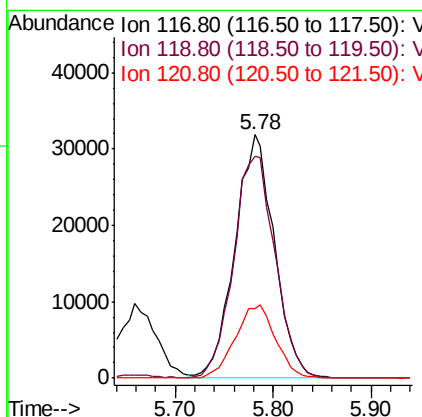
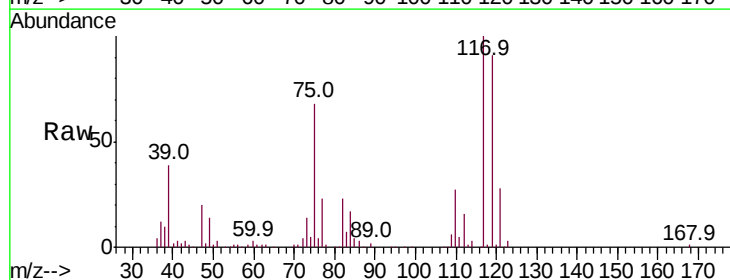
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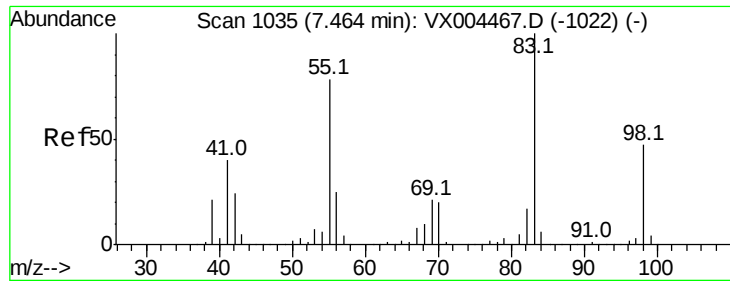
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#38
Carbon Tetrachloride
Concen: 19.434 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	78.8	118.2
121	28.5	24.9	37.3





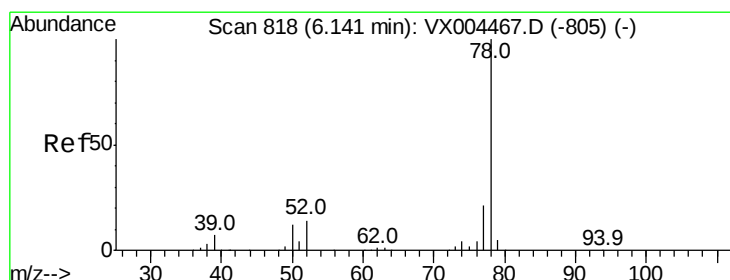
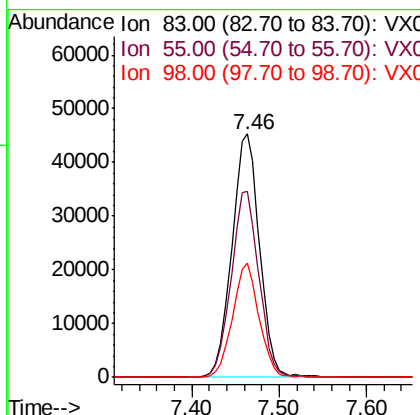
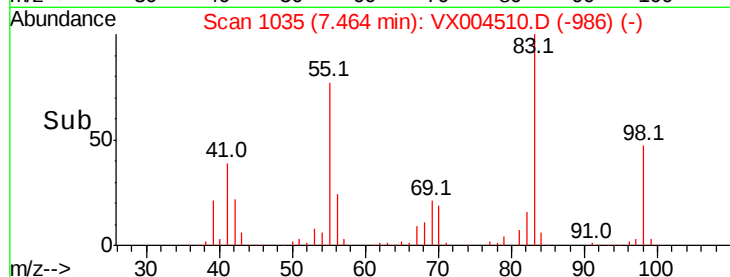
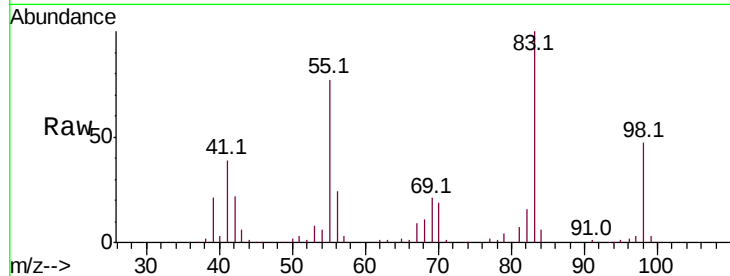
#39
Methvlcvclohexane
Concen: 20.288 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.6	61.0	91.4	
98	46.8	39.6	59.4	

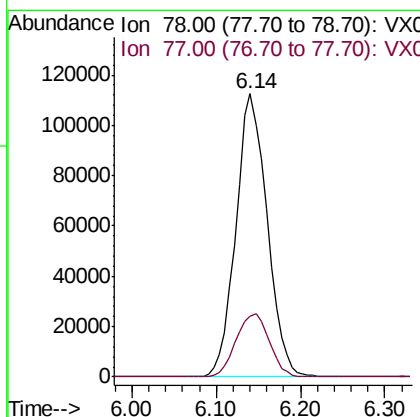
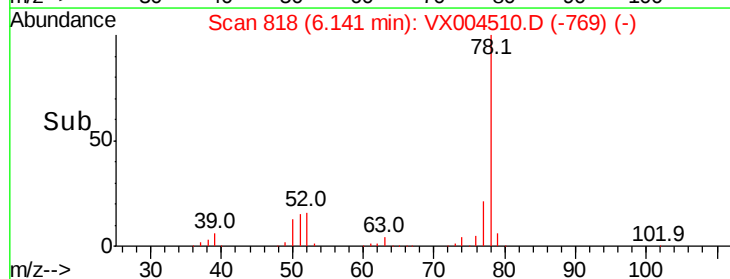
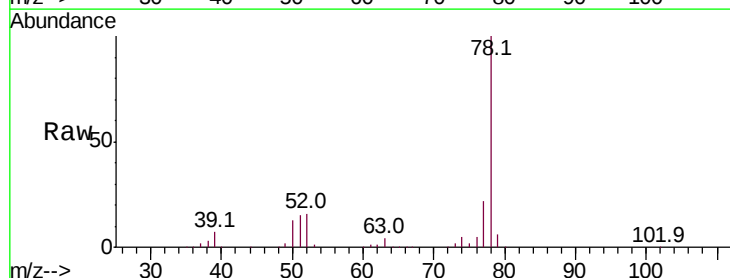
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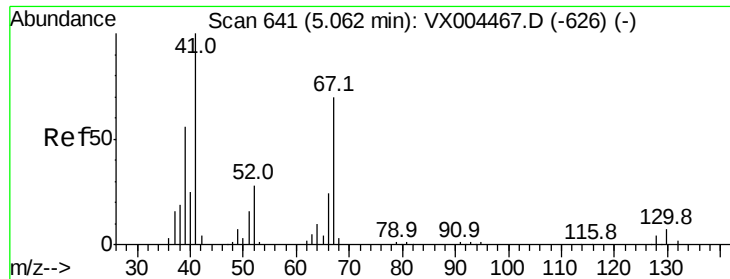
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#40
Benzene
Concen: 20.199 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	21.6	19.0	28.4	





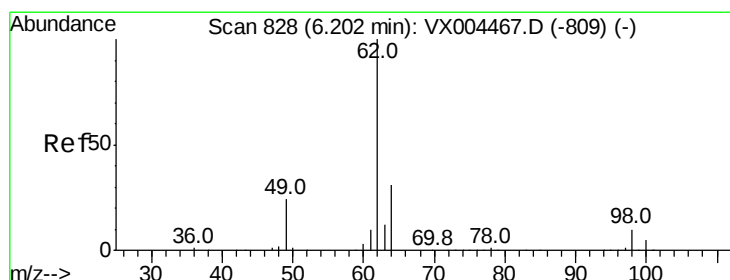
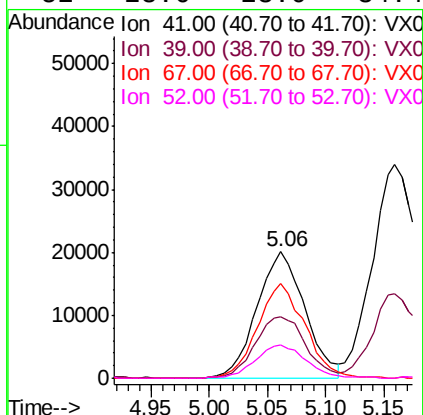
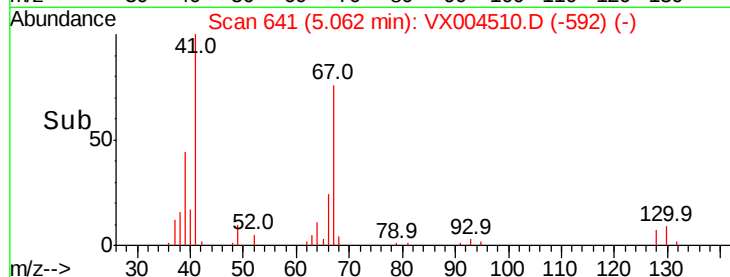
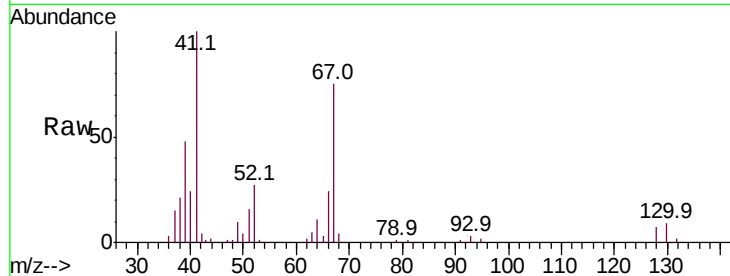
#41
Methacrylonitrile
Concen: 19.489 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	42.4	63.6	
67	74.4	59.2	88.8	
52	28.6	23.0	34.4	

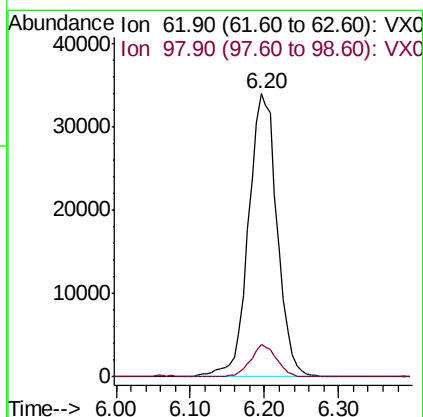
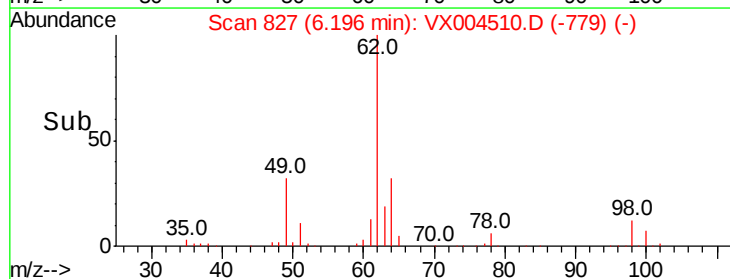
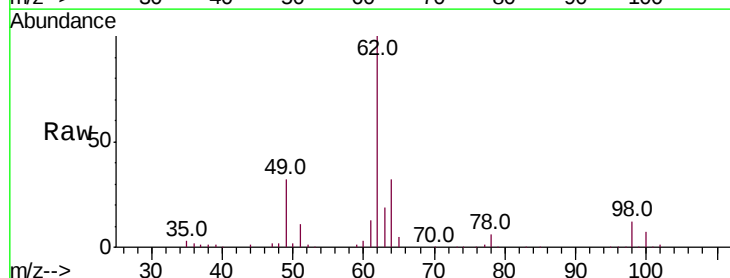
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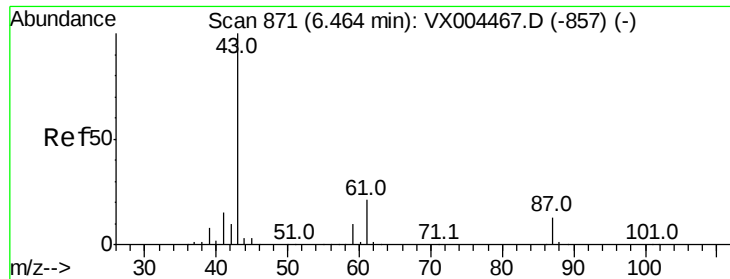
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#42
1,2-Dichloroethane
Concen: 19.870 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.6	





#43

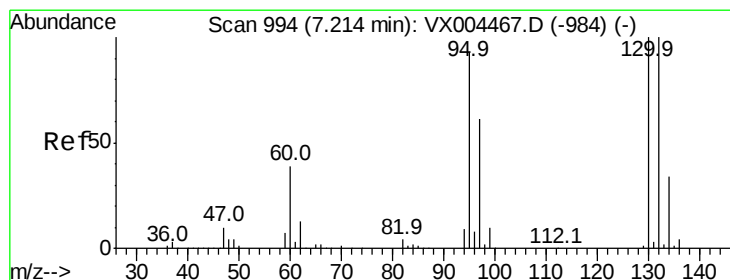
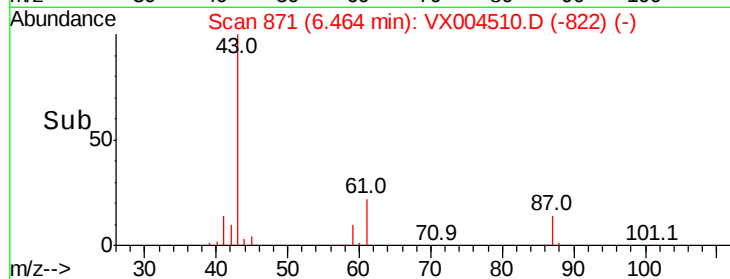
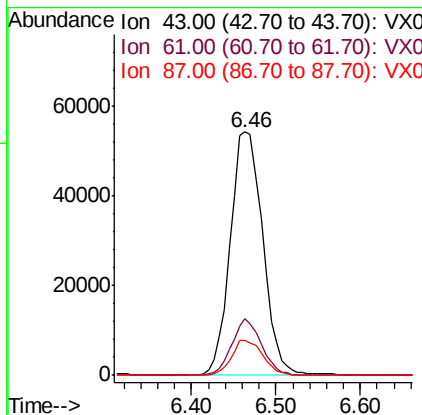
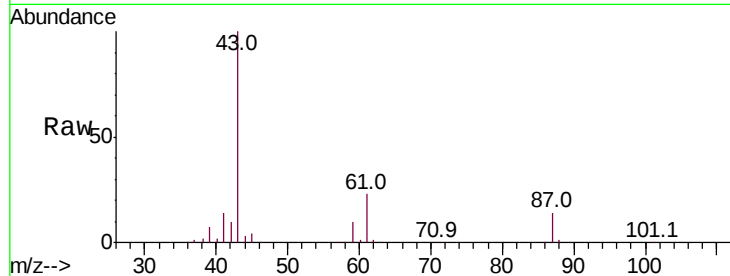
Isopropyl Acetate
 Concen: 19.881 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	13.9	11.4	17.2

Manual Integrations
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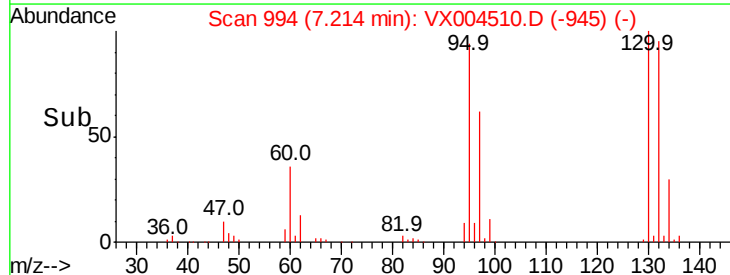
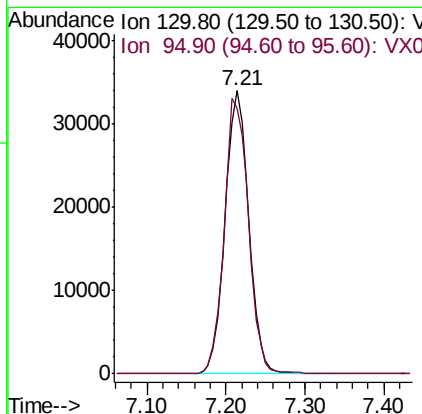
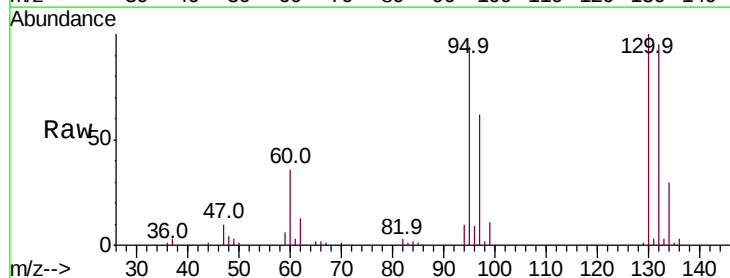
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 9/15/2018 11:23:47 AM

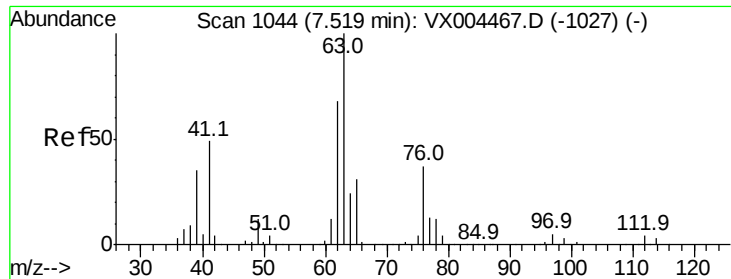


#44

Trichloroethene
 Concen: 19.705 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.177 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion: 63 Resp: 64390

Ion Ratio Lower Upper

63 100

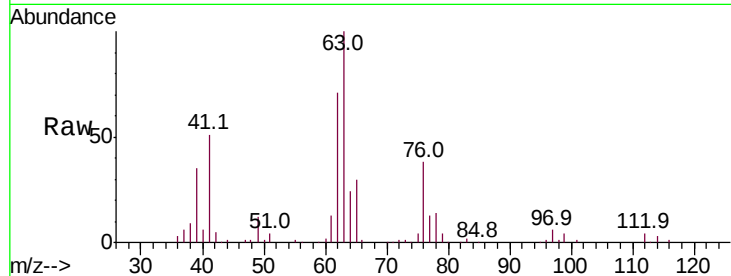
65 30.6 24.3 36.5

Manual Integrations

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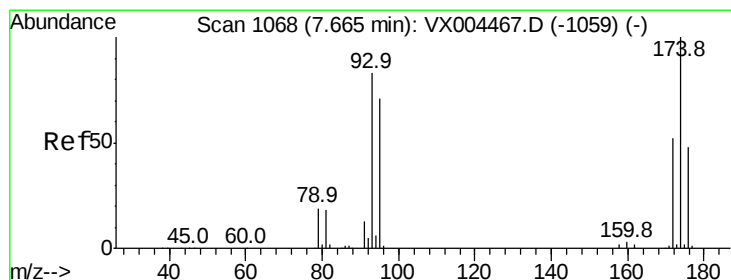
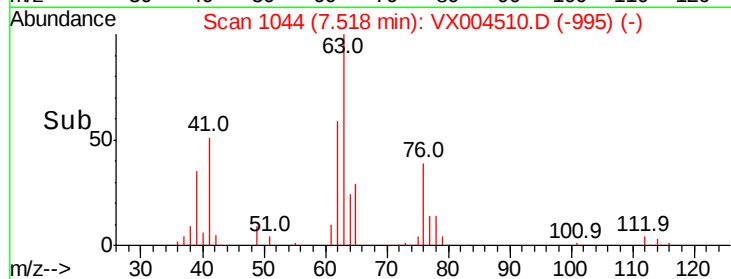
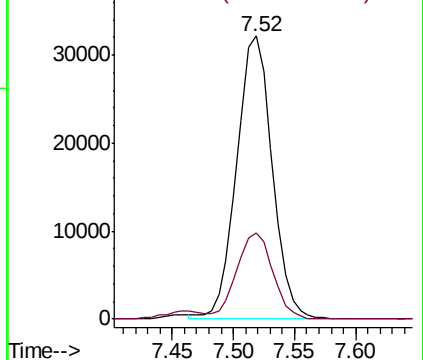
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.685 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

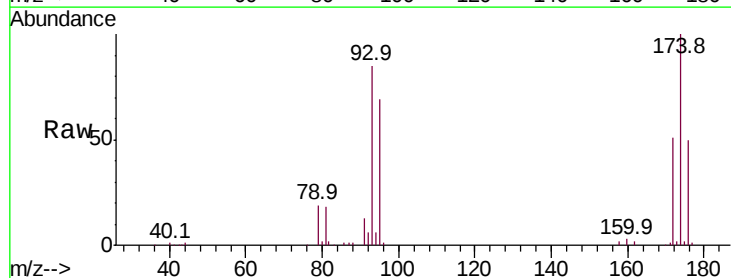
Tgt Ion: 93 Resp: 41756

Ion Ratio Lower Upper

93 100

95 82.6 65.5 98.3

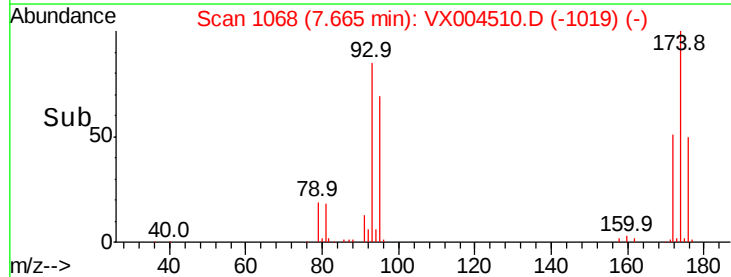
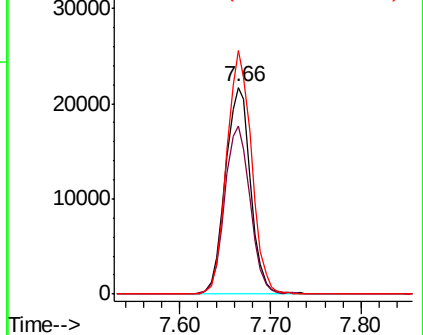
174 116.2 94.2 141.4

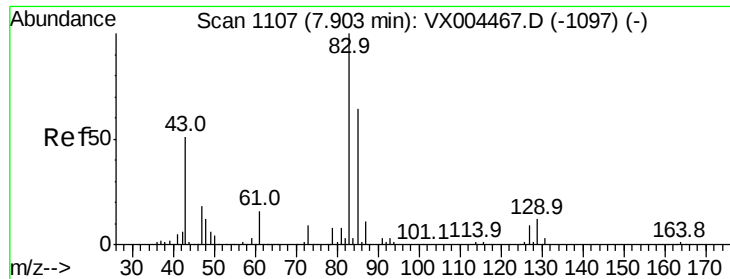


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.972 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

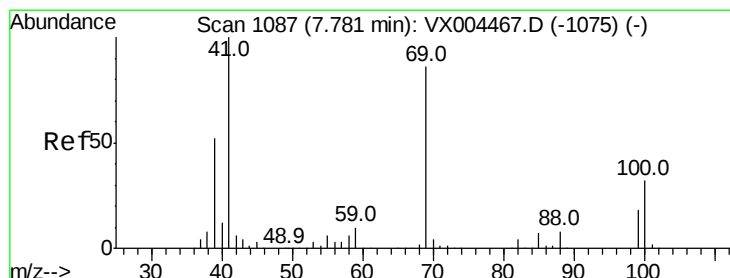
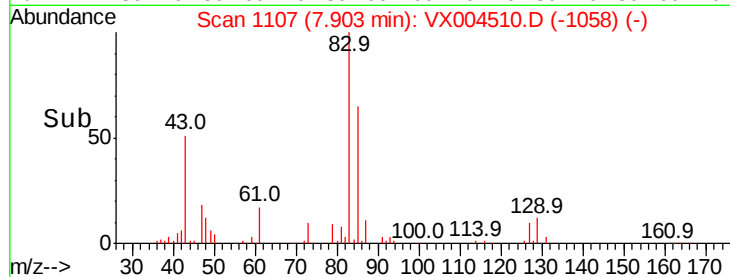
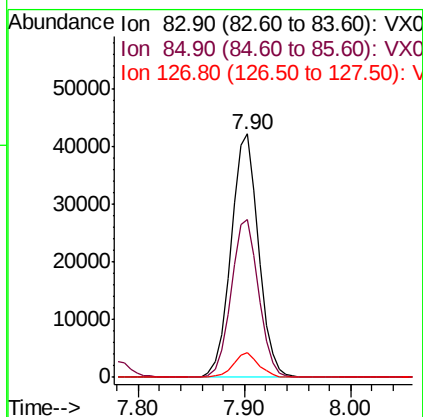
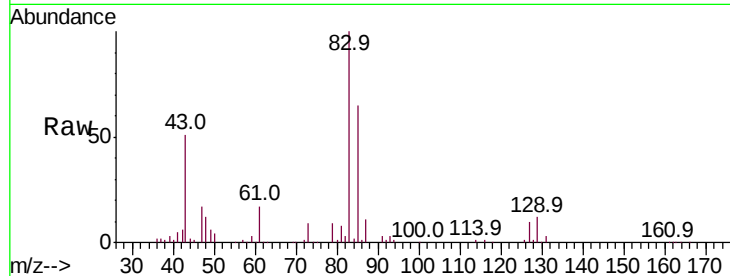
ClientSampleId :

VX0913MBS01

Tot Ion:	83	Resp:	76104
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.9	76.3
127	10.2	7.3	10.9

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#48

Methyl methacrylate

Concen: 19.662 ug/l

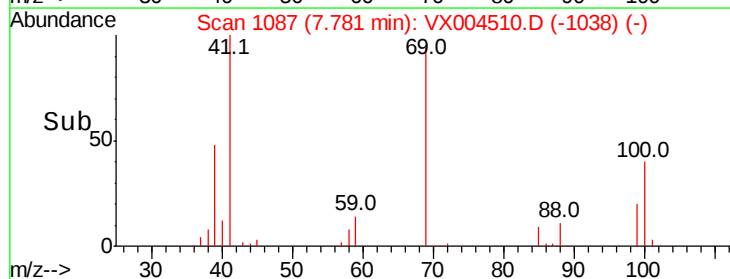
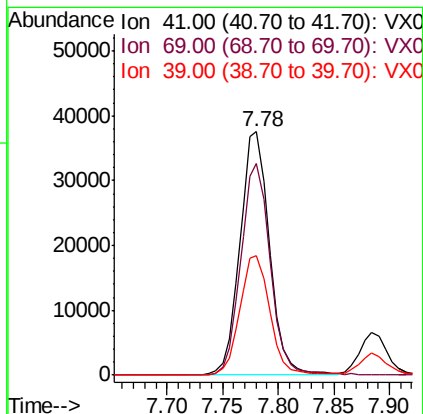
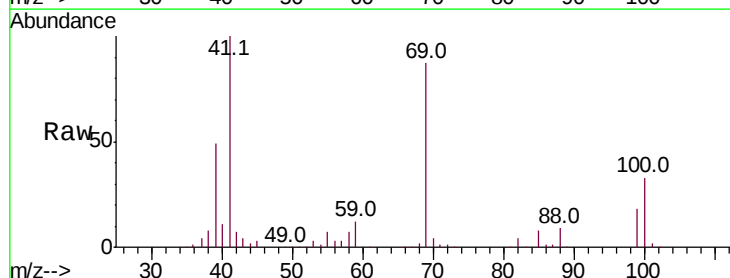
RT: 7.78 min Scan# 1087

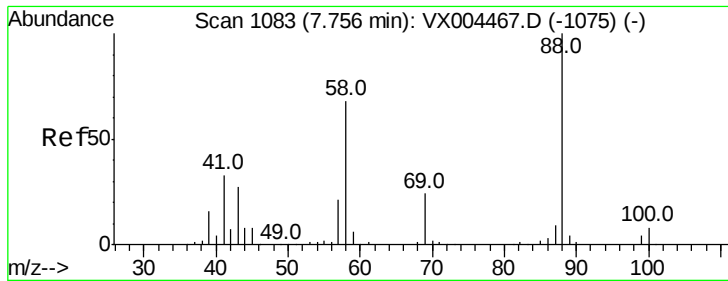
Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Tgt Ion:	41	Resp:	69131
Ion	Ratio	Lower	Upper
41	100		
69	86.3	70.2	105.4
39	50.0	42.7	64.1





#49

1,4-Dioxane

Concen: 418.264 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

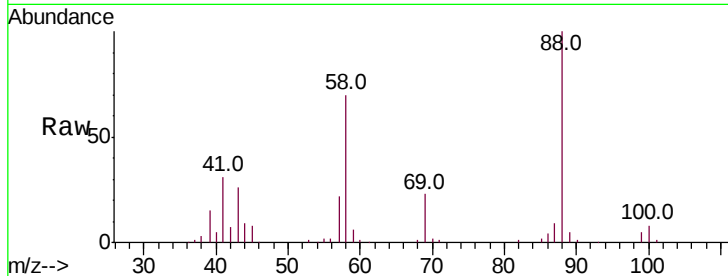
ClientSampleId :

VX0913MBS01

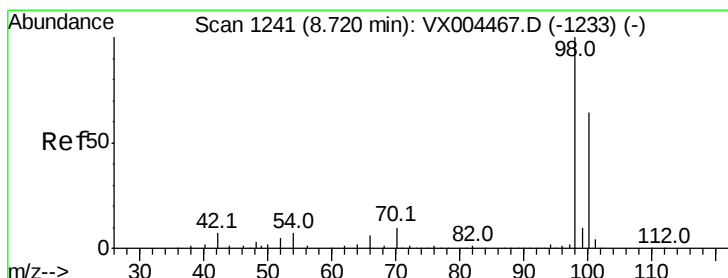
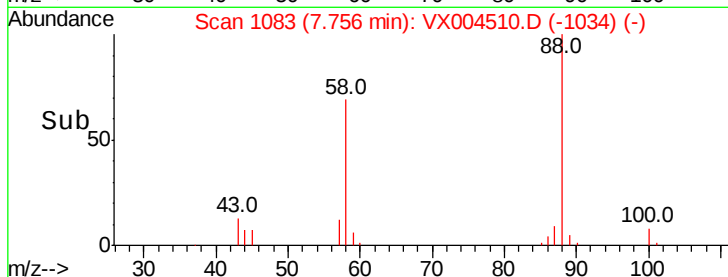
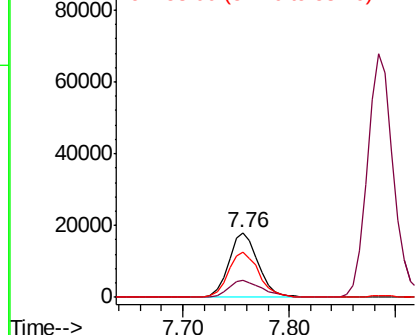
Tot Ion:	88	Resp:	34806
Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.7	37.1
58	72.4	55.3	82.9

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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: 50.431 ug/l

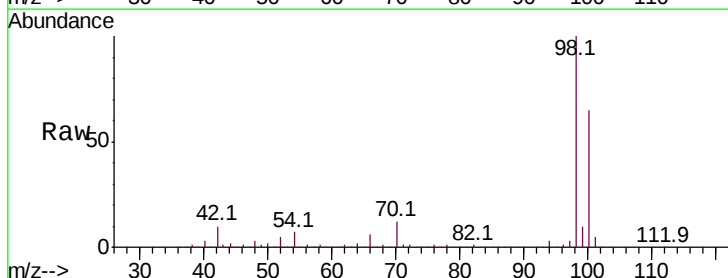
RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

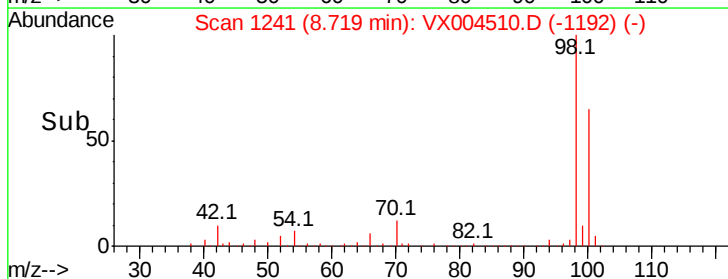
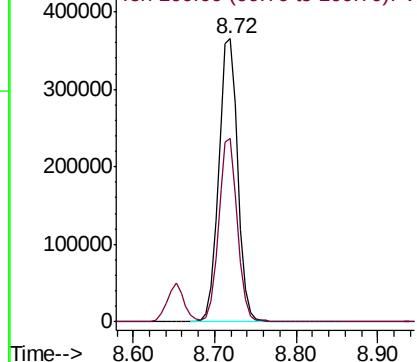
Lab File: VX004510.D

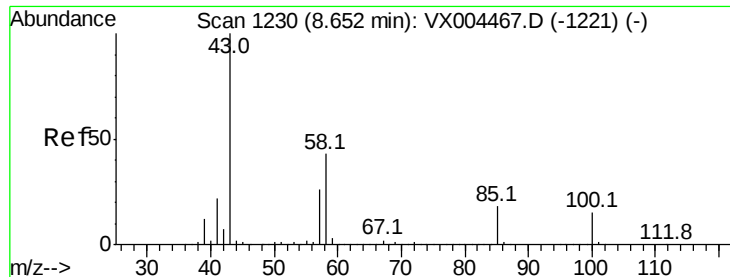
Acq: 13 Sep 2018 12:34

Tgt Ion:	98	Resp:	599511
Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.9	79.3



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





#51

4-Methyl-2-Pentanone

Concen: 92.084 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion: 43 Resp: 461669

Ion Ratio Lower Upper

43 100

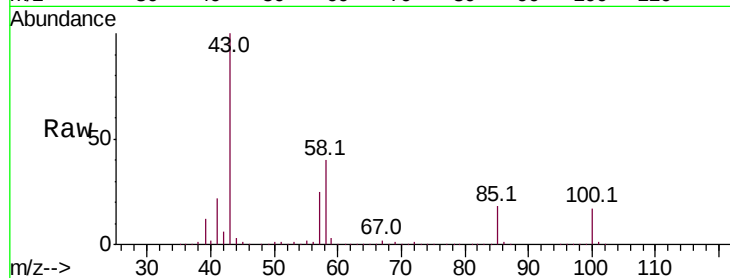
58 40.4 33.1 49.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

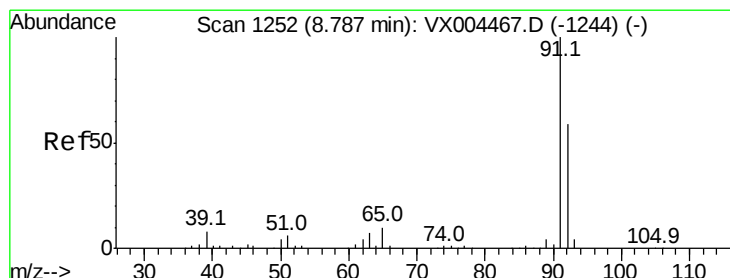
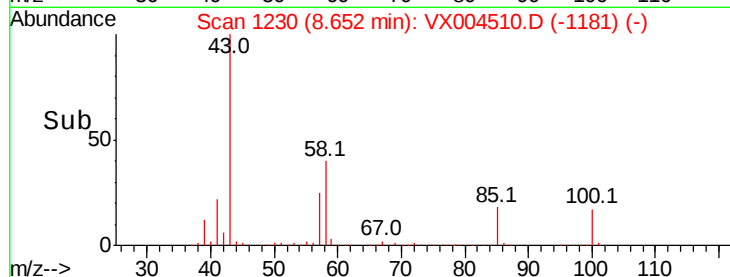
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.491 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004510.D

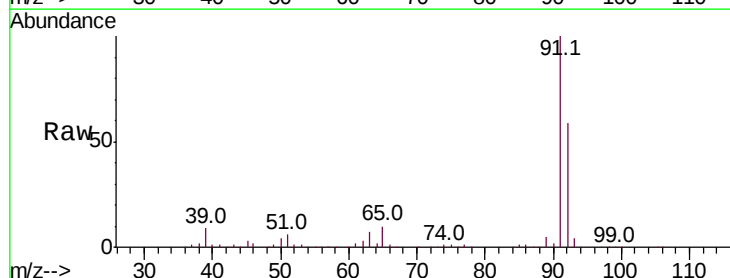
Acq: 13 Sep 2018 12:34

Tgt Ion: 92 Resp: 168459

Ion Ratio Lower Upper

92 100

91 170.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

200000

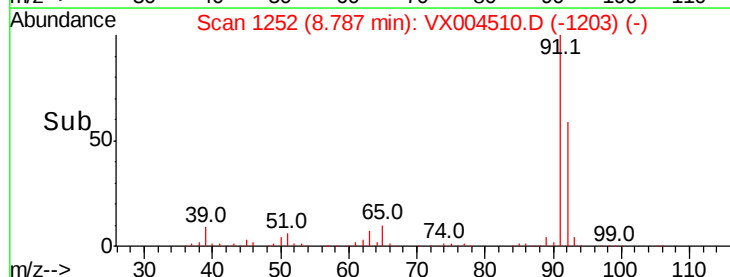
150000

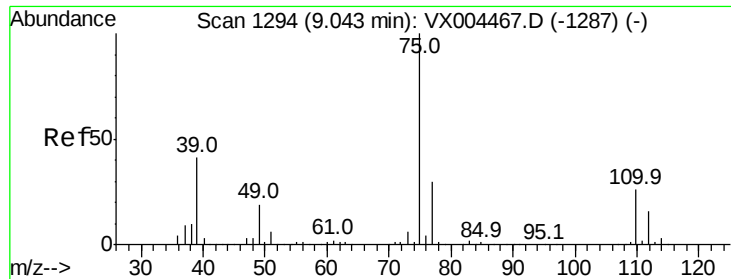
100000

50000

0

Time-->





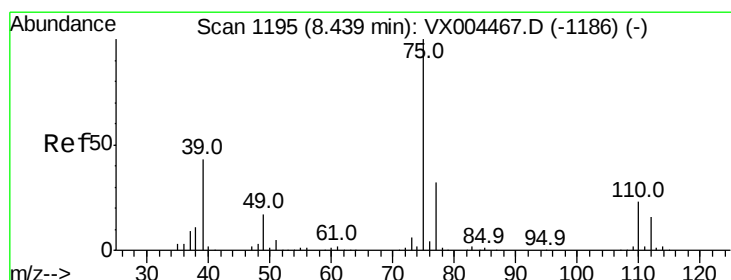
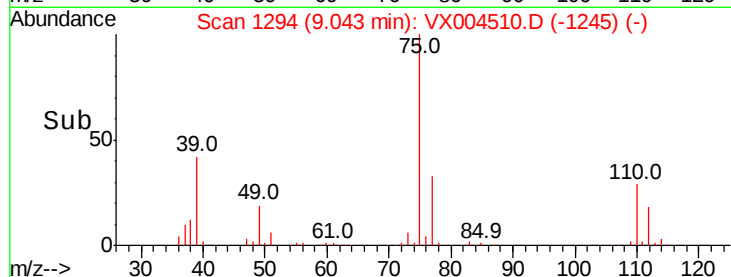
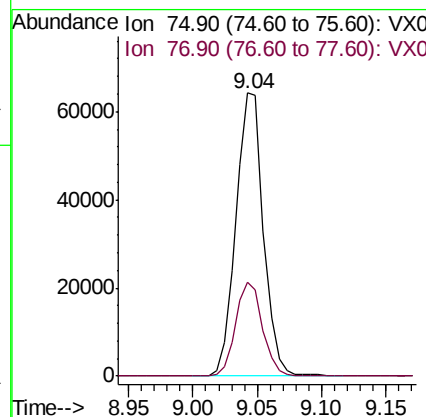
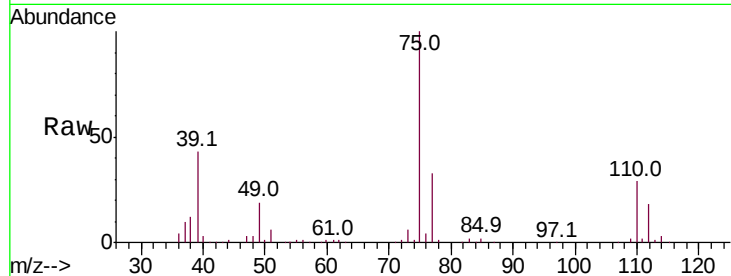
#53
t-1,3-Dichloropropene
Concen: 20.478 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion: 75 Resp: 95956
Ion Ratio Lower Upper
75 100
77 33.1 24.6 37.0

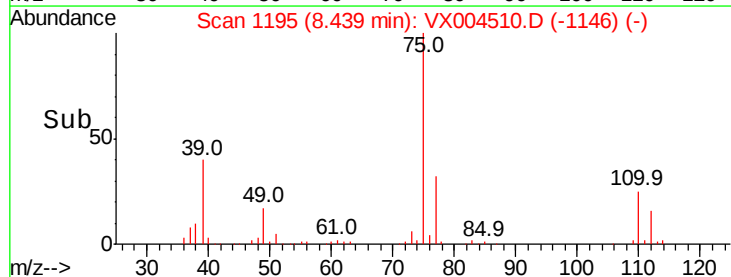
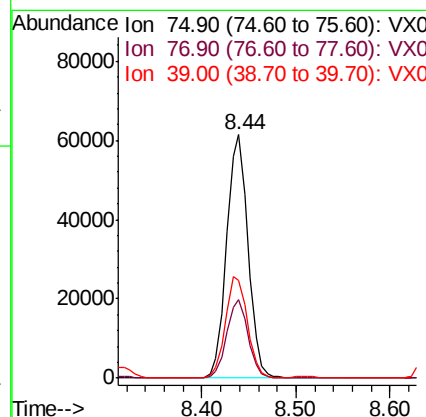
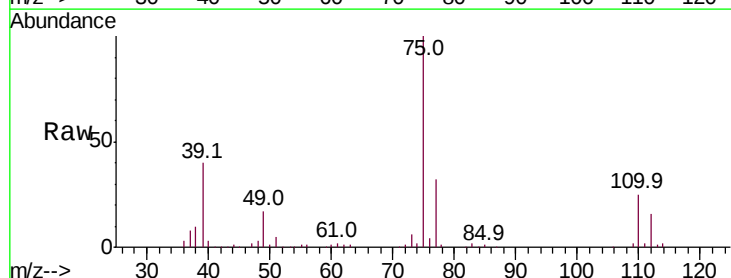
Manual Integrations
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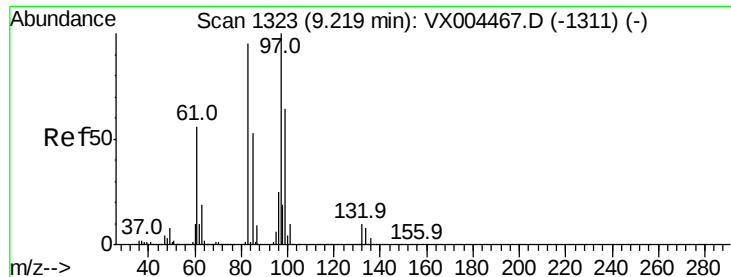
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#54
cis-1,3-Dichloropropene
Concen: 20.279 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 75 Resp: 96869
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
39 40.4 36.4 54.6





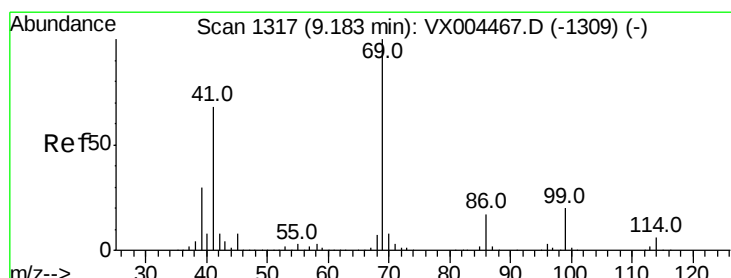
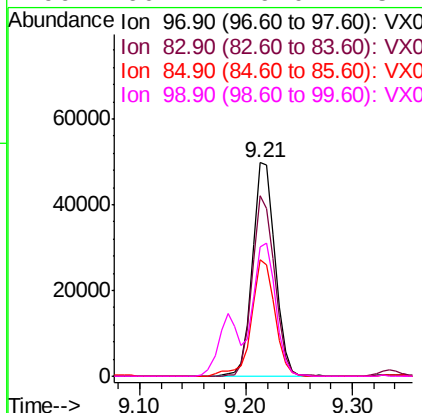
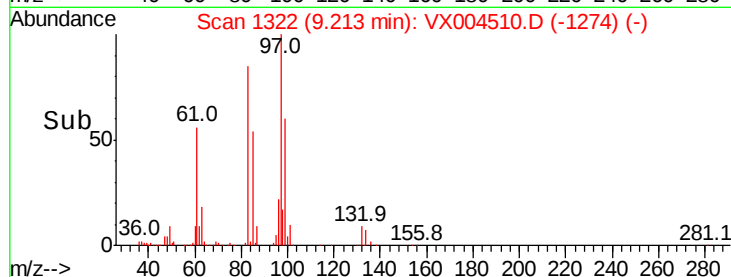
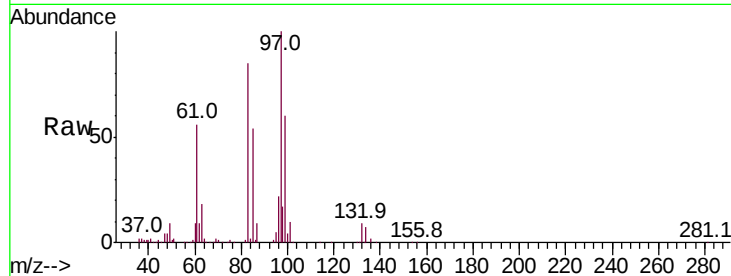
#55
 1,1,2-Trichloroethane
 Concen: 21.002 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.4	99.6
85	54.4	43.3	64.9
99	60.4	49.0	73.4

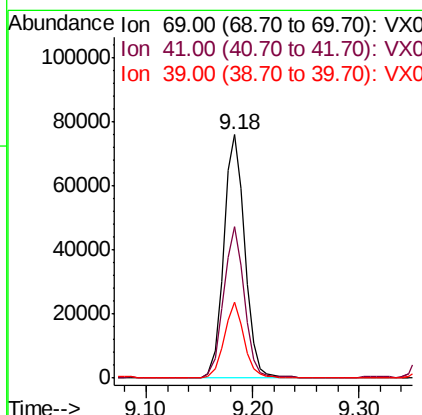
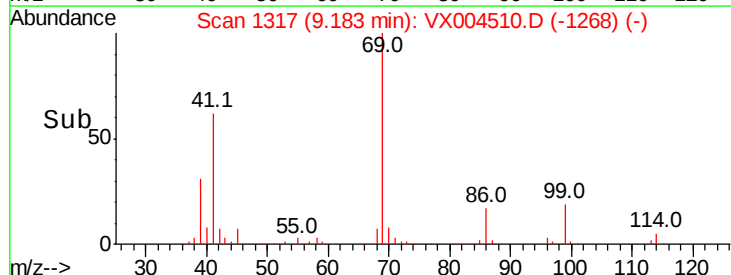
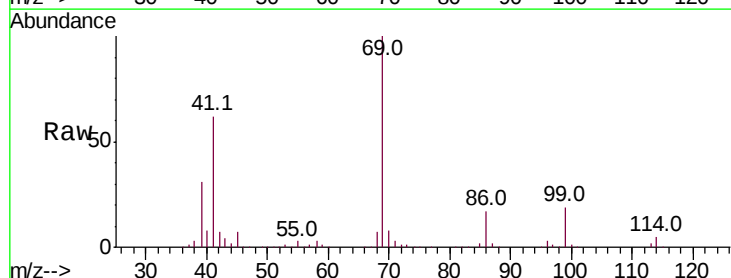
Manual Integrations
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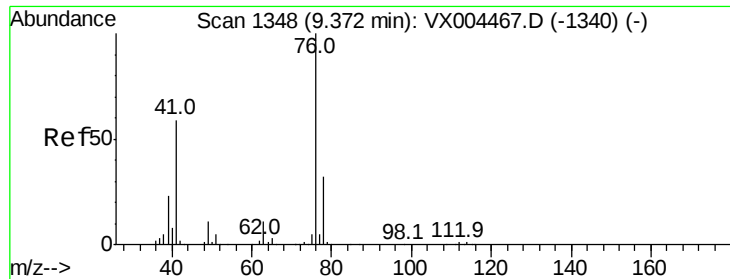
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#56
 Ethyl methacrylate
 Concen: 21.103 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.1	51.0	76.4
39	29.2	26.1	39.1





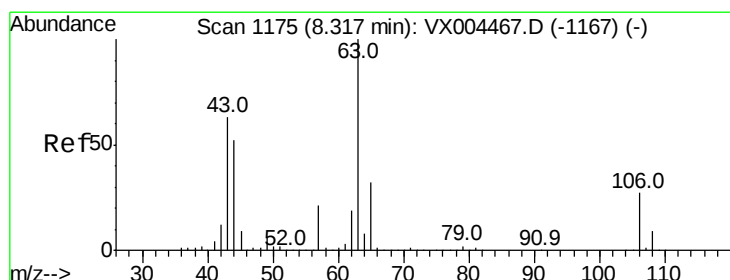
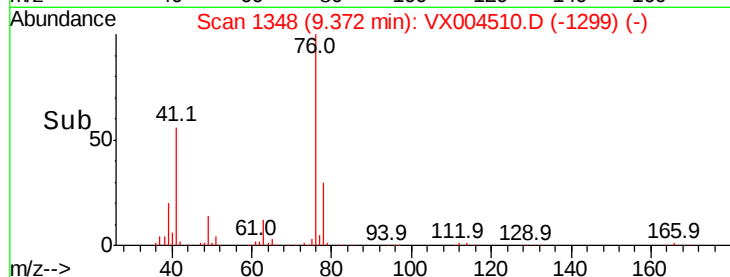
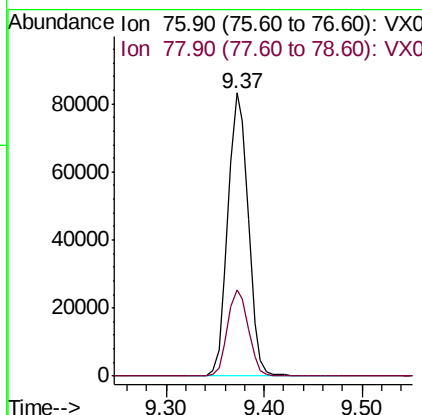
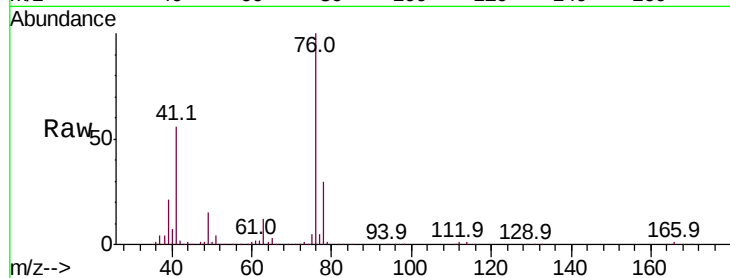
#57
 1,3-Dichloropropane
 Concen: 20.986 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.5	38.3

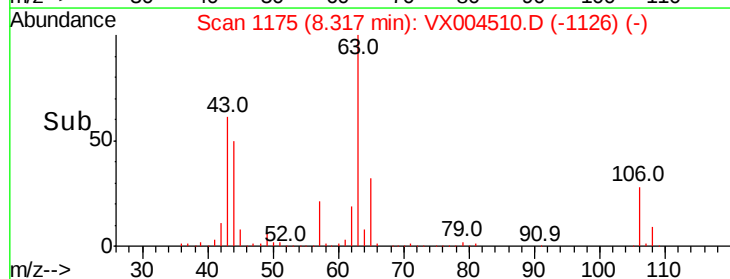
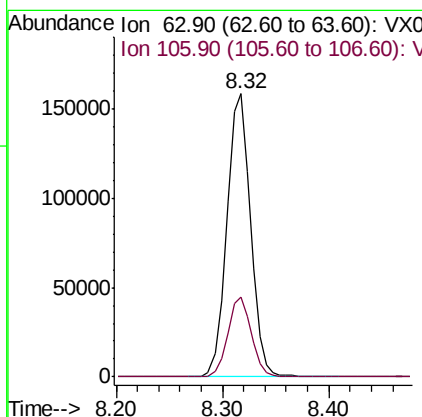
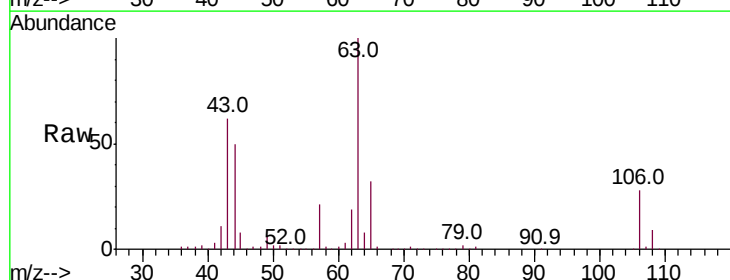
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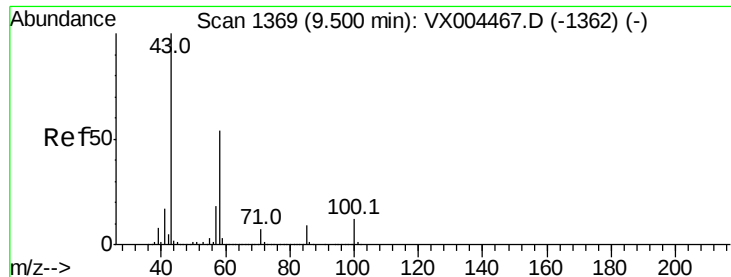
MMDadoda
 9/15/2018 11:23:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.236 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.9	35.9





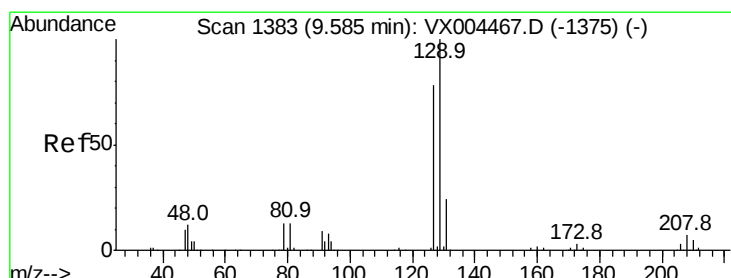
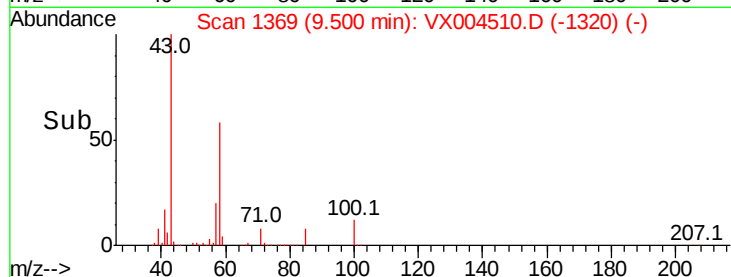
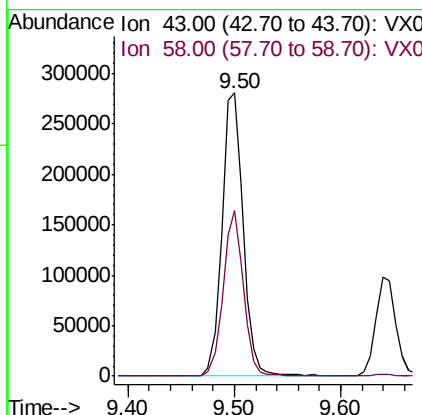
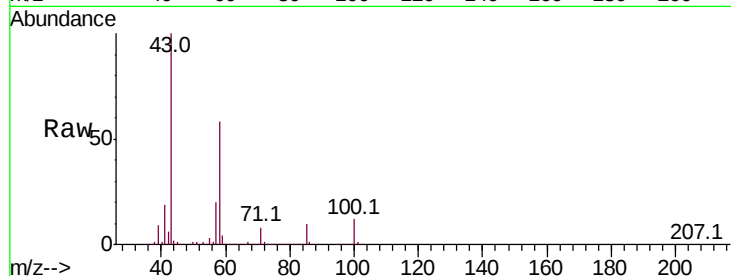
#59
2-Hexanone
Concen: 101.517 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion: 43 Resp: 390391
Ion Ratio Lower Upper
43 100
58 55.8 29.0 87.0

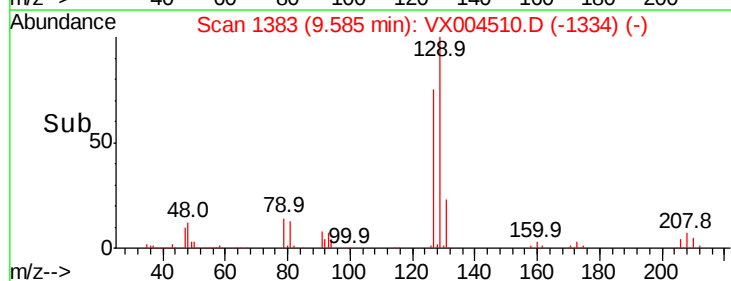
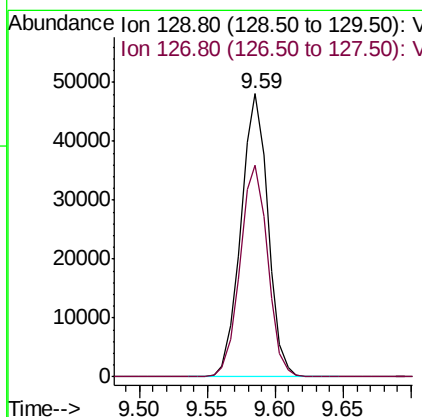
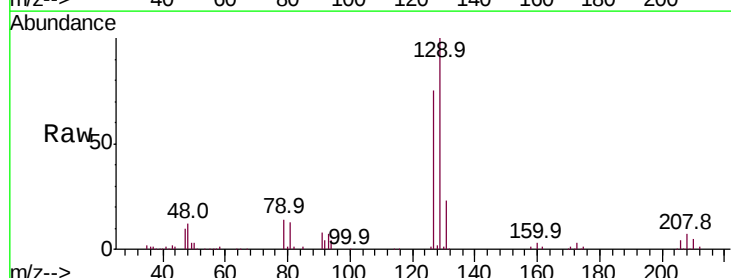
Manual Integrations
APPROVED

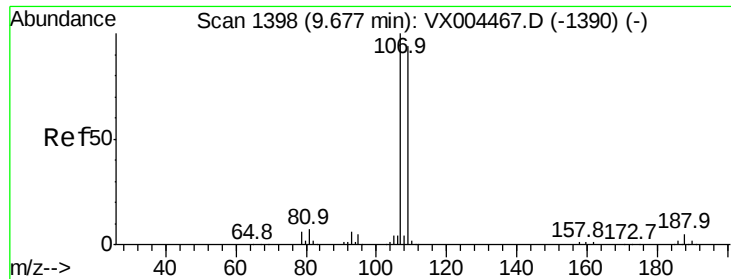
MMDadoda
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#60
Dibromochloromethane
Concen: 20.048 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 129 Resp: 66813
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.056 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion:107 Resp: 67820

Ion Ratio Lower Upper

107 100

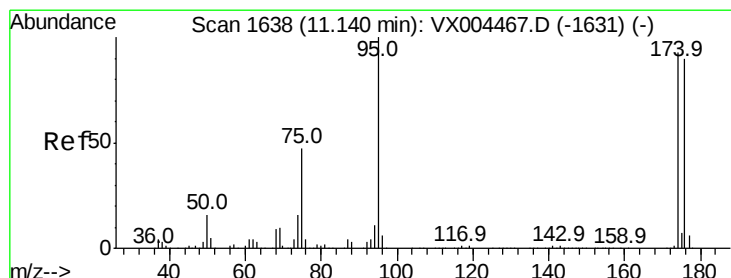
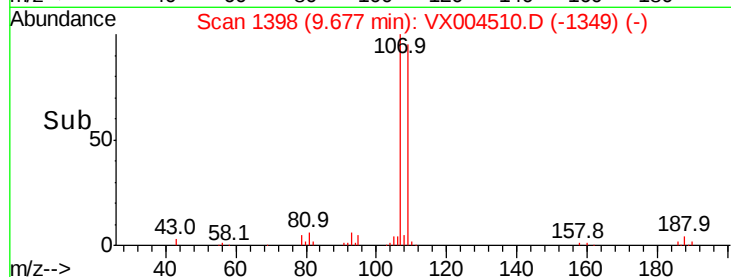
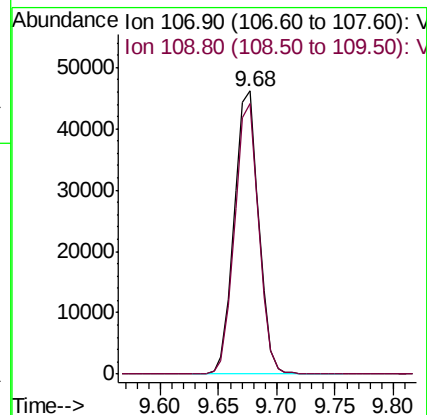
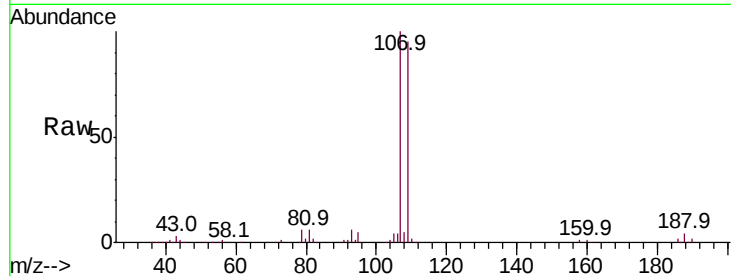
109 94.1 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 48.968 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

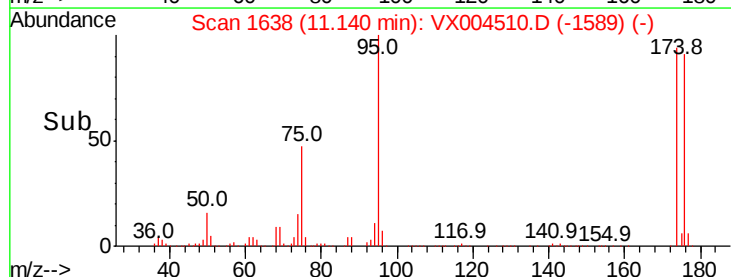
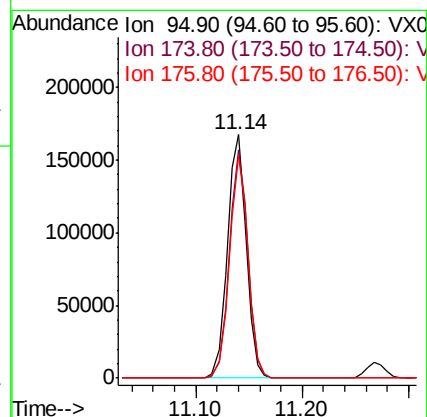
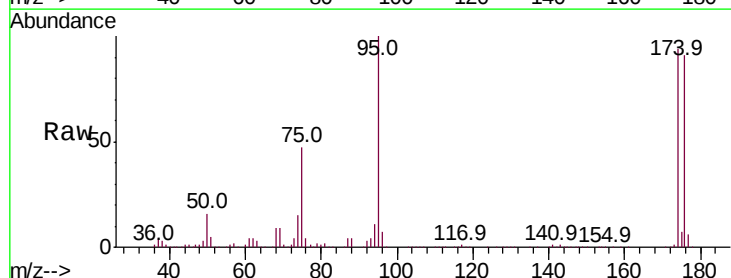
Tgt Ion: 95 Resp: 207789

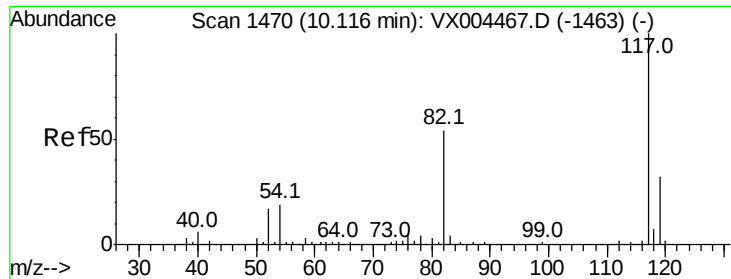
Ion Ratio Lower Upper

95 100

174 92.4 0.0 185.2

176 89.6 0.0 178.6





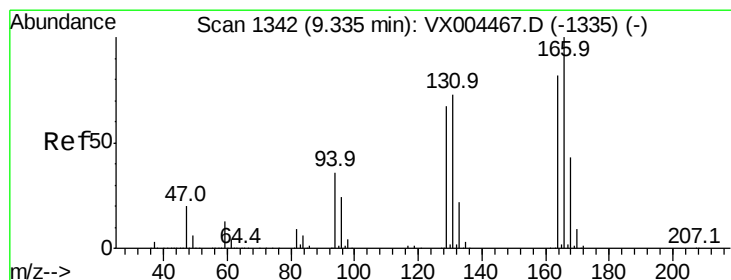
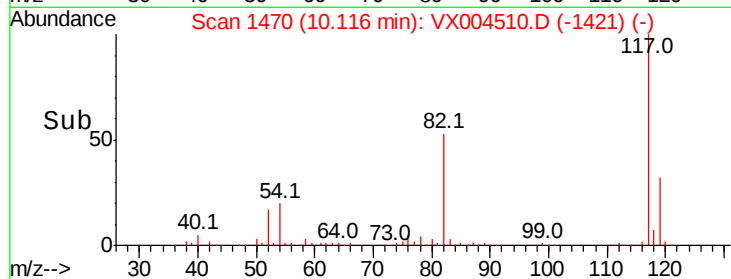
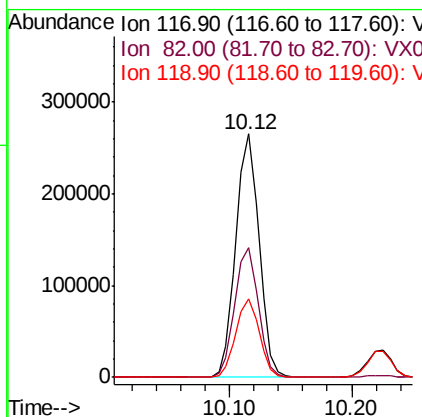
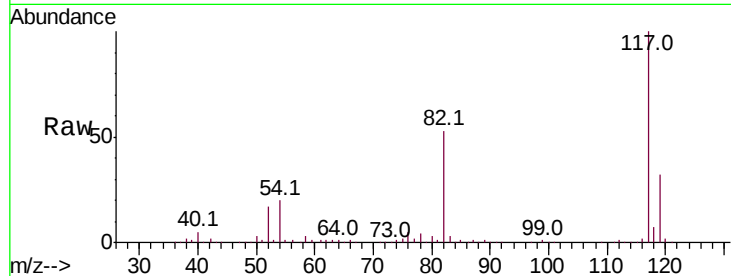
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	349017		
82	53.1	47.8	71.6	
119	32.2	29.3	43.9	

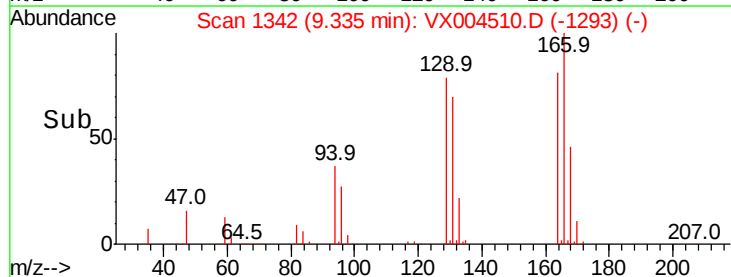
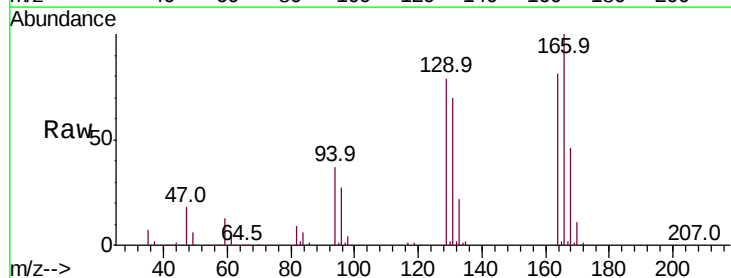
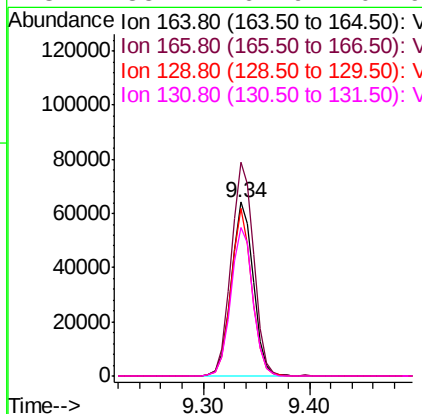
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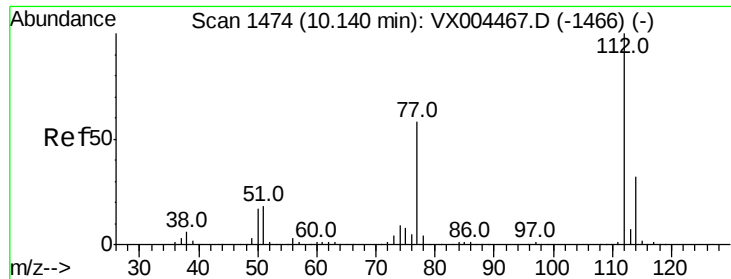
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#64
Tetrachloroethene
Concen: 21.393 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93222		
166	122.8	102.8	154.2	
129	96.5	69.4	104.0	
131	85.7	67.9	101.9	





#65

Chlorobenzene

Concen: 20.471 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0913MBS01

Tot Ion:112 Resp: 177473

Ion Ratio Lower Upper

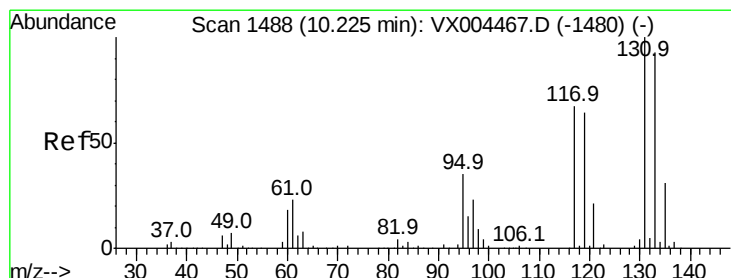
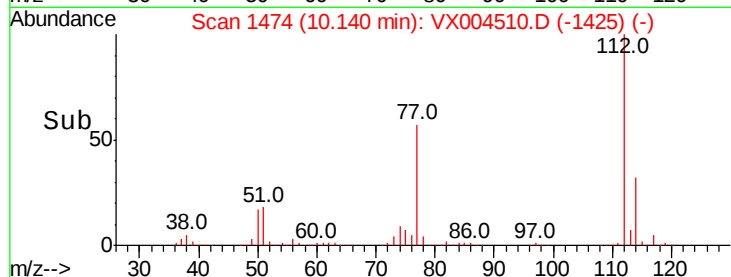
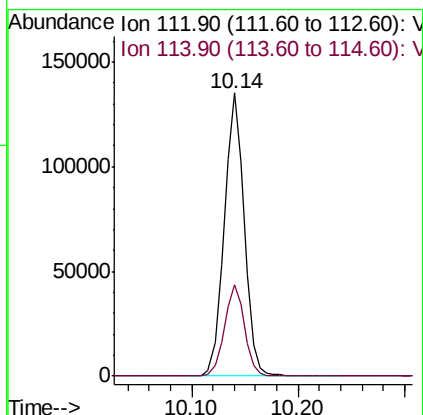
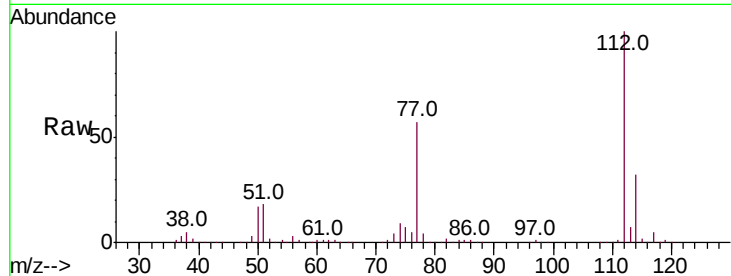
112 100

114 32.1 27.8 41.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.154 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

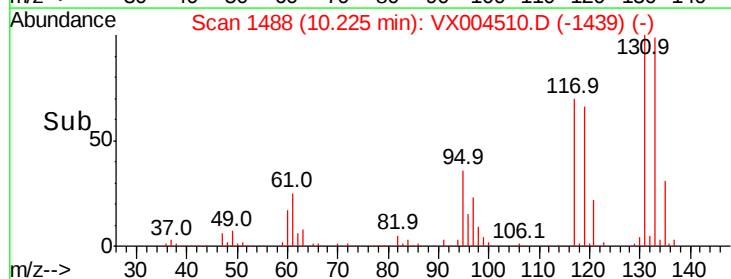
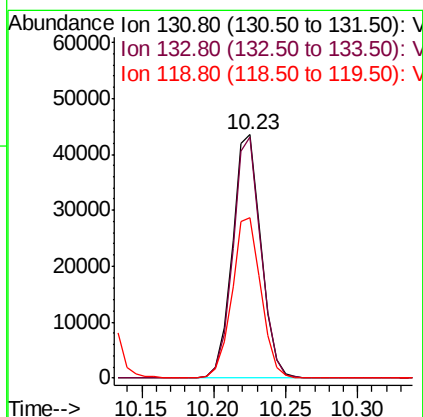
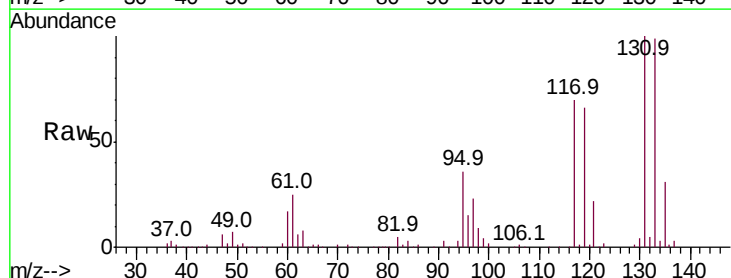
Tgt Ion:131 Resp: 60251

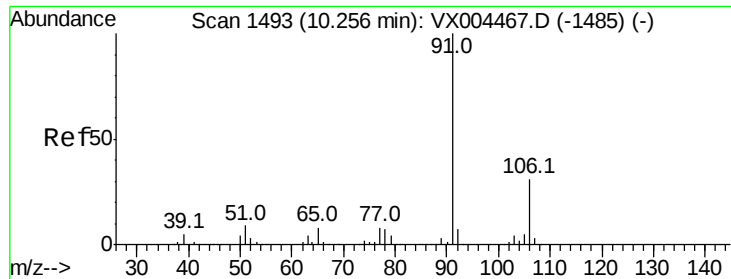
Ion Ratio Lower Upper

131 100

133 97.0 48.1 144.4

119 67.0 32.9 98.6





#67

Ethyl Benzene

Concen: 20.803 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion: 91 Resp: 293247

Ion Ratio Lower Upper

91 100

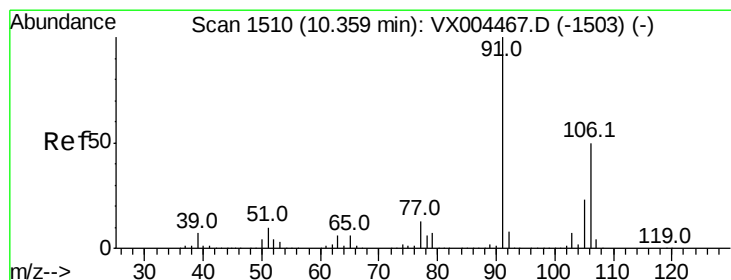
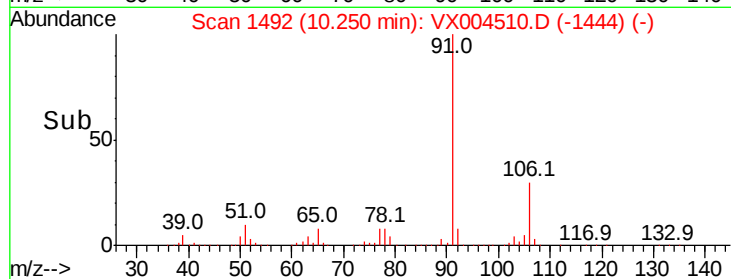
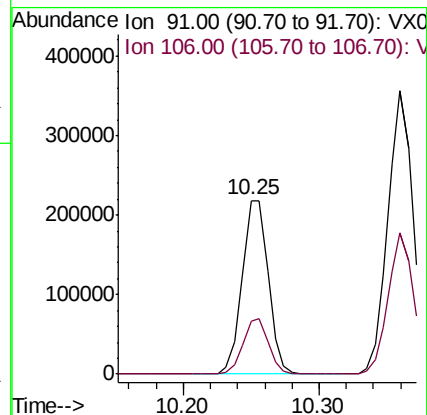
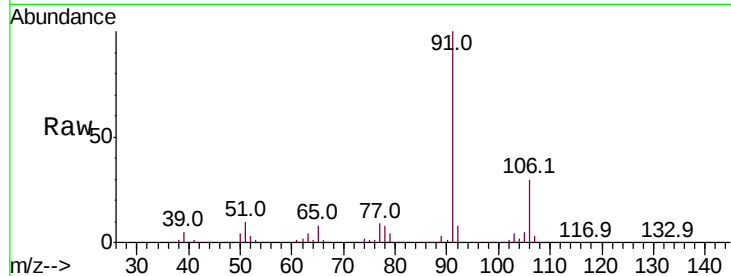
106 30.2 25.9 38.9

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#68

m/p-Xylenes

Concen: 42.616 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004510.D

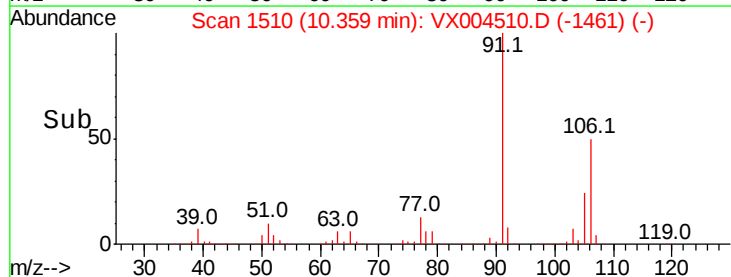
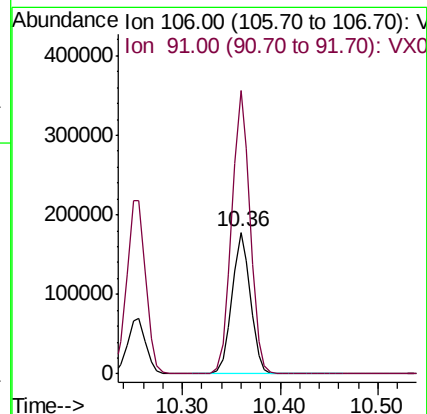
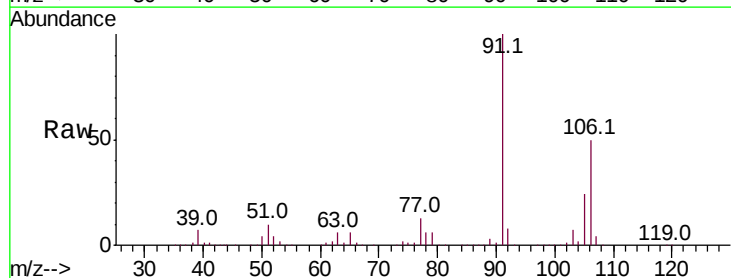
Acq: 13 Sep 2018 12:34

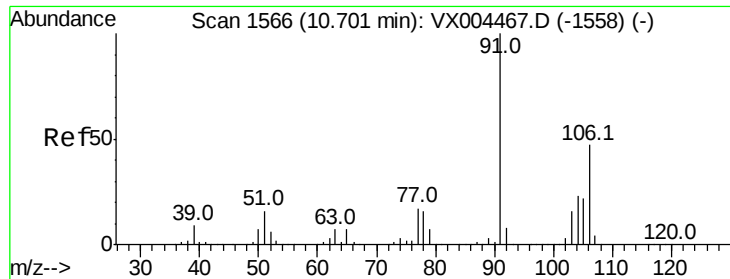
Tgt Ion: 106 Resp: 231409

Ion Ratio Lower Upper

106 100

91 200.9 157.1 235.7





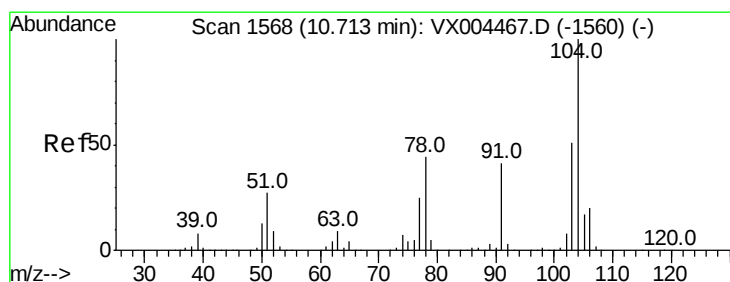
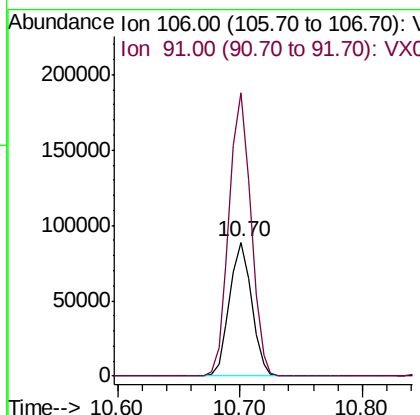
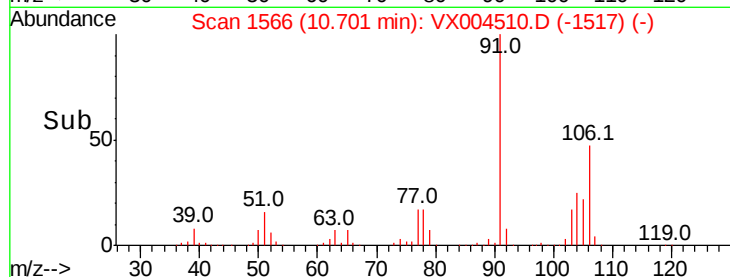
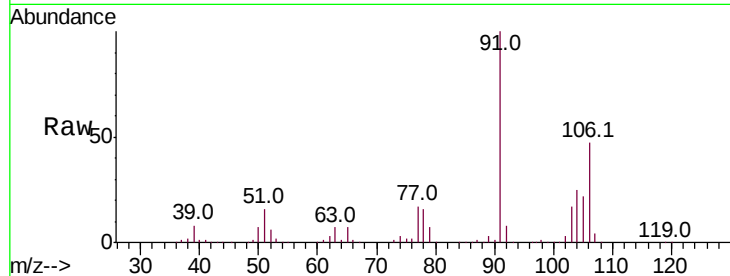
#69
o-Xylene
Concen: 21.339 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion:106 Resp: 111396
Ion Ratio Lower Upper
106 100
91 209.7 105.1 315.1

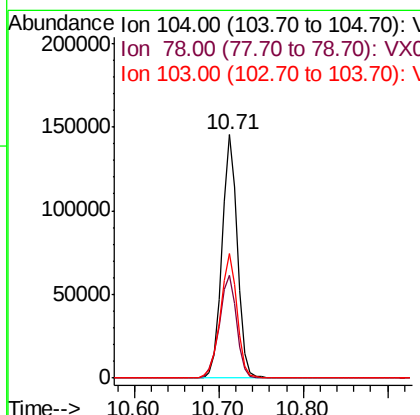
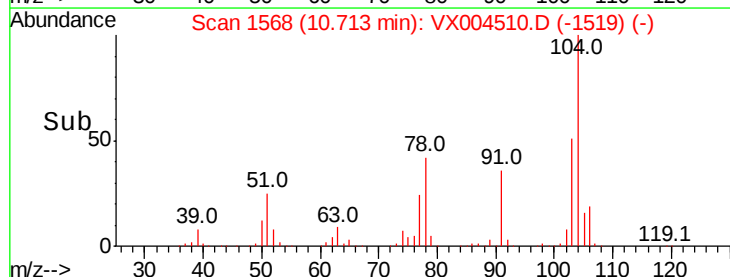
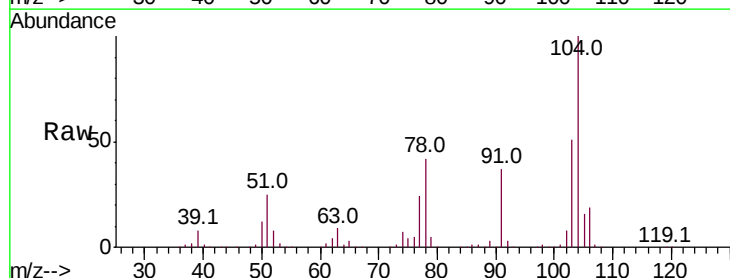
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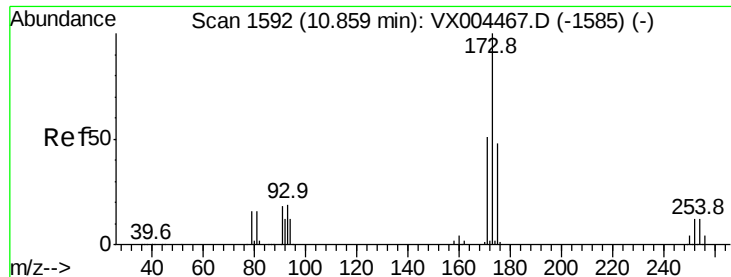
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#70
Styrene
Concen: 21.379 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion:104 Resp: 184899
Ion Ratio Lower Upper
104 100
78 47.3 37.4 56.0
103 55.2 43.8 65.6





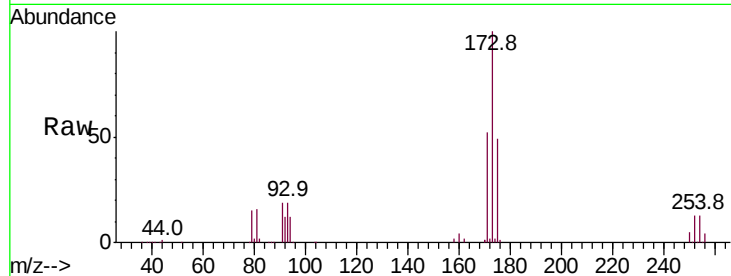
#71
Bromoform
Concen: 19.392 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.1	0.2	0.2#

Manual Integrations
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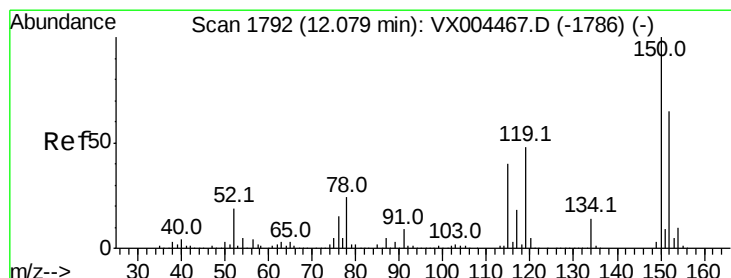
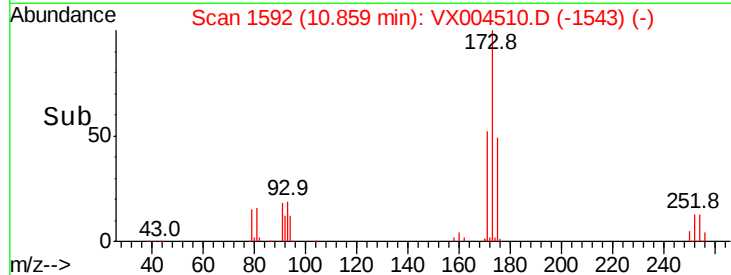
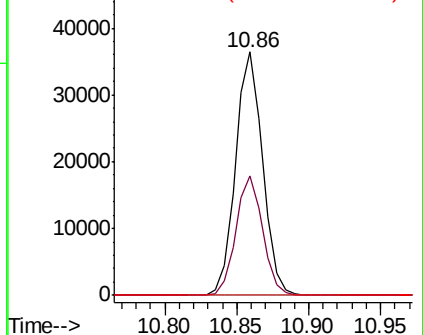


Abundance

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: VX004510.D
Acq: 13 Sep 2018 12:34

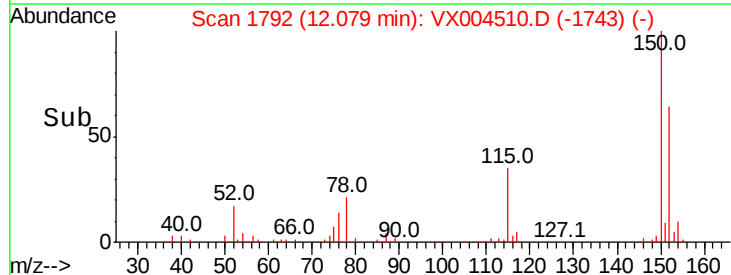
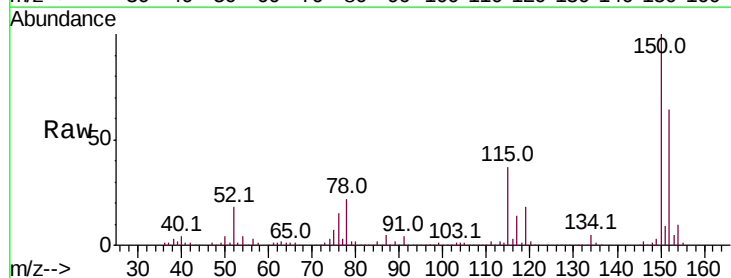
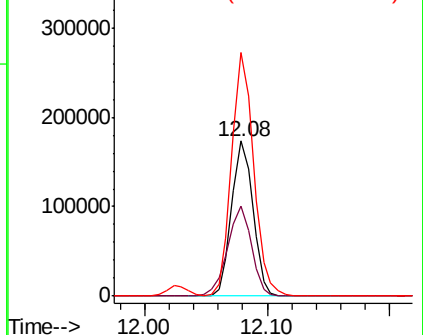
Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	39.0	117.0
150	162.5	0.0	351.0

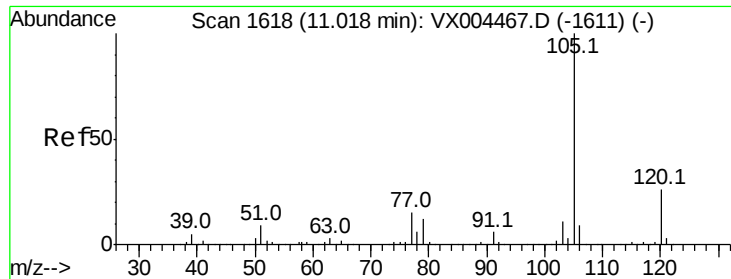
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





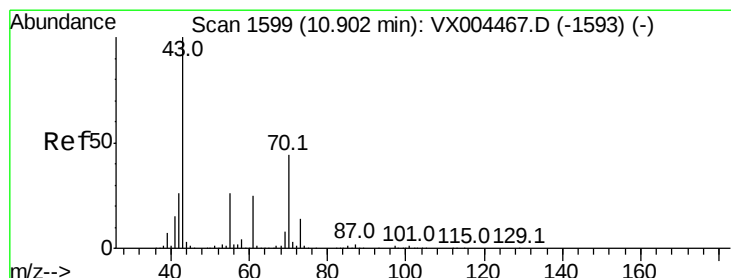
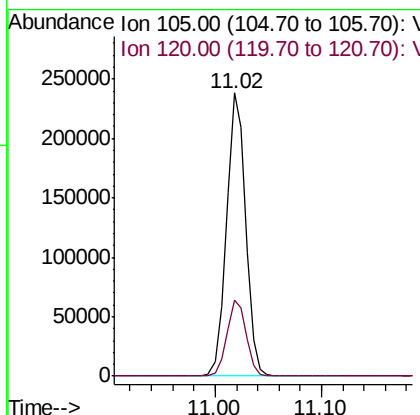
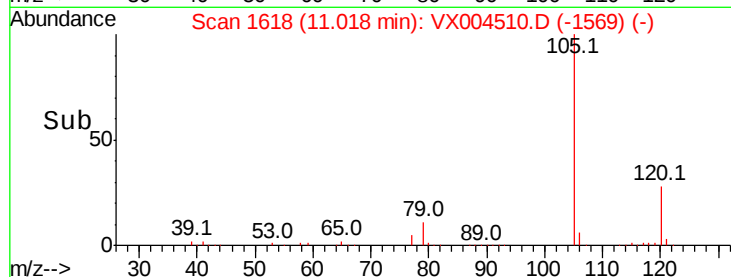
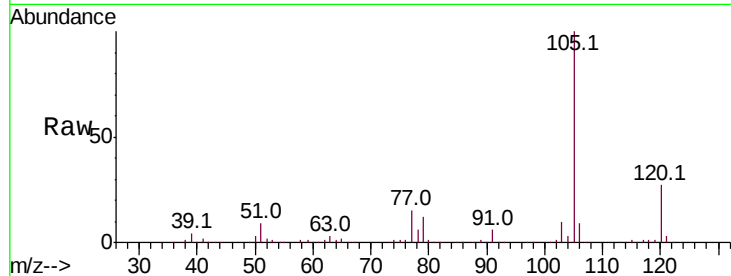
#73
Isopropylbenzene
Concen: 21.724 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion: 105 Resp: 299397
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

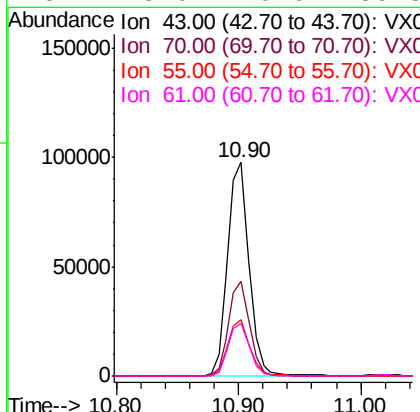
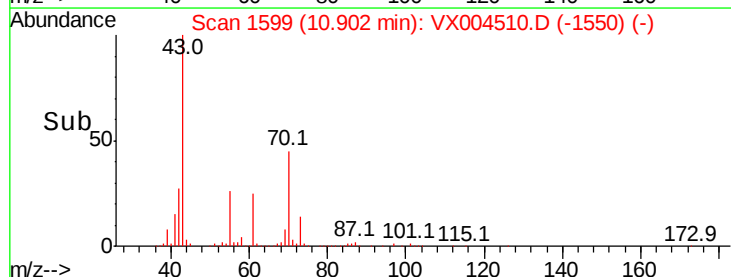
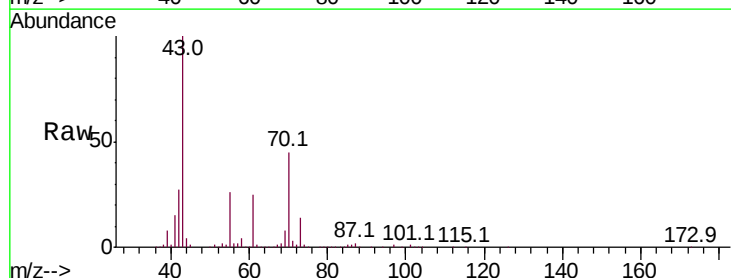
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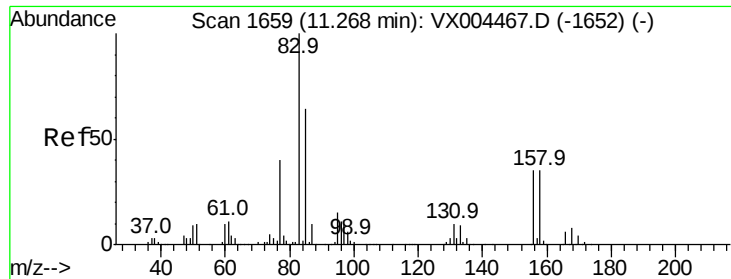
MMDadoda
9/15/2018 11:23:47 AM



#74
N-ethyl acetate
Concen: 20.264 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 43 Resp: 117546
Ion Ratio Lower Upper
43 100
70 43.9 37.4 56.0
55 27.0 21.8 32.8
61 25.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.170 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

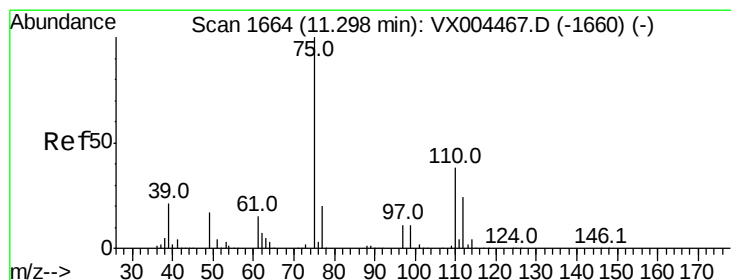
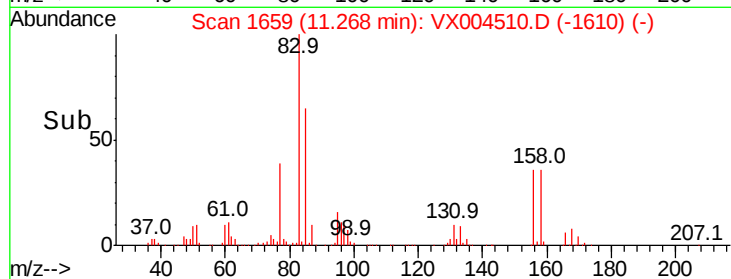
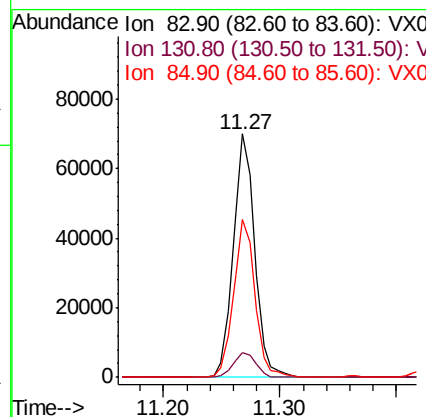
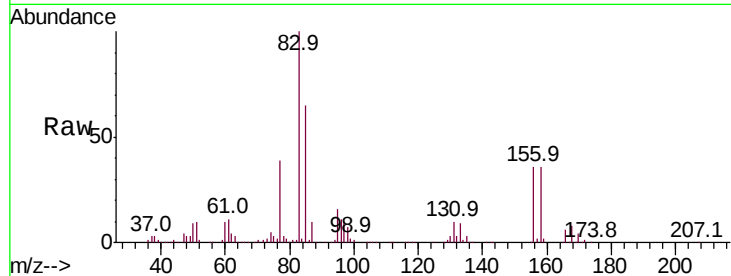
ClientSampleId :

VX0913MBS01

Tot Ion:	83	Resp:	89664
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	64.7	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 20.934 ug/l m

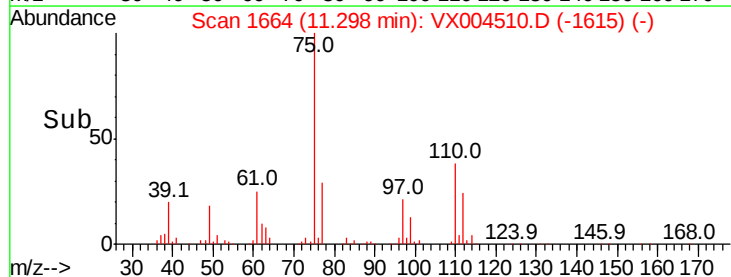
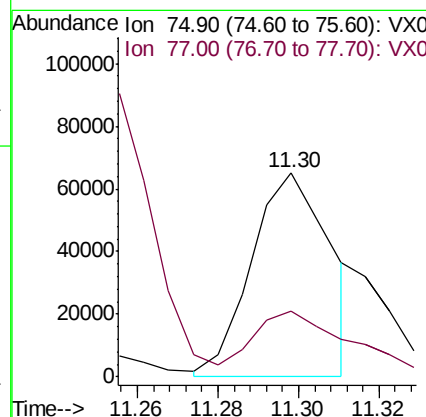
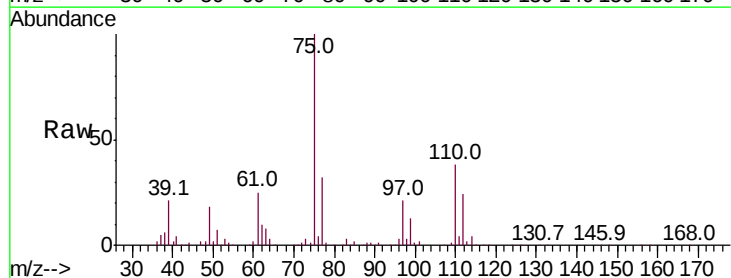
RT: 11.30 min Scan# 1664

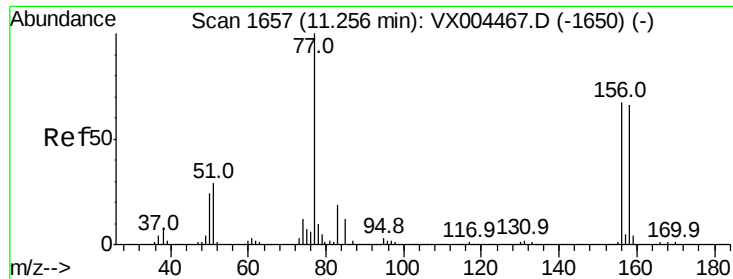
Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Tgt Ion:	75	Resp:	88135
Ion Ratio	Lower	Upper	
75	100		
77	40.3	20.2	60.6





#77

Bromobenzene

Concen: 21.161 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion:156 Resp: 80608

Ion Ratio Lower Upper

156 100

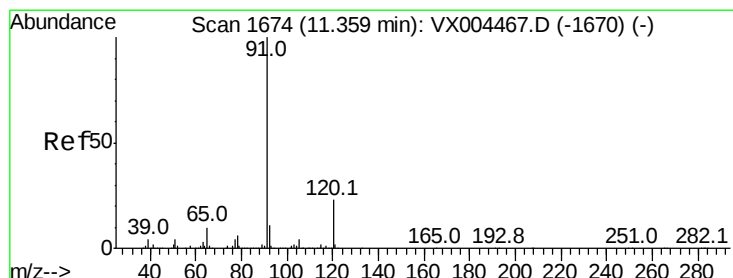
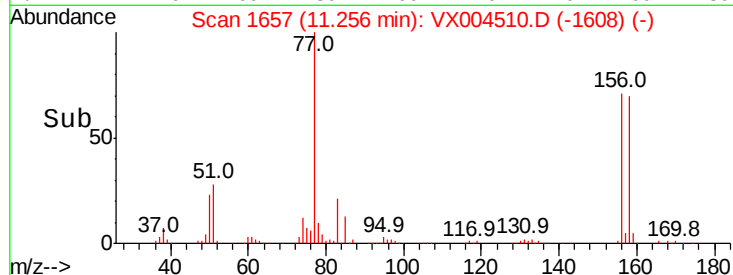
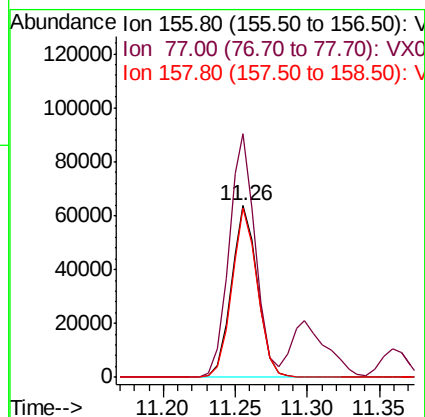
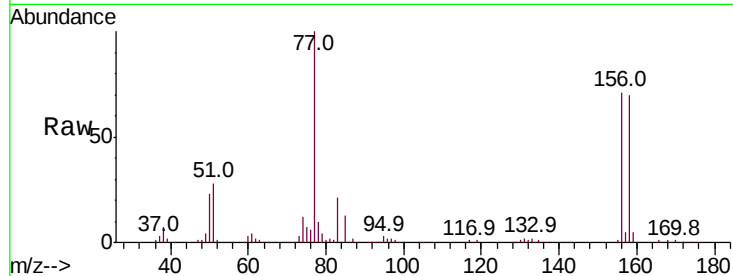
77 143.5 71.5 214.3

158 96.6 48.9 146.8

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#78

n-propylbenzene

Concen: 21.696 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004510.D

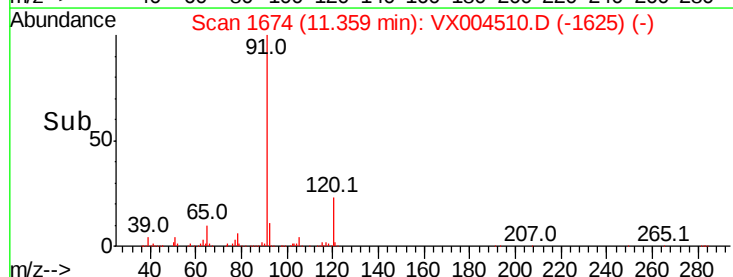
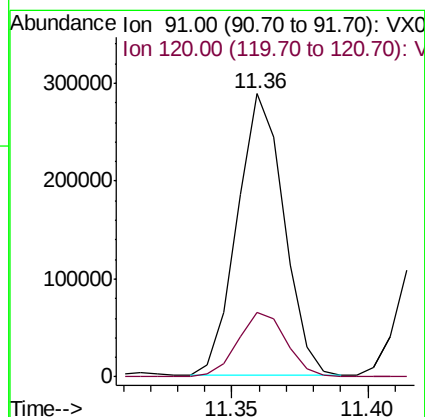
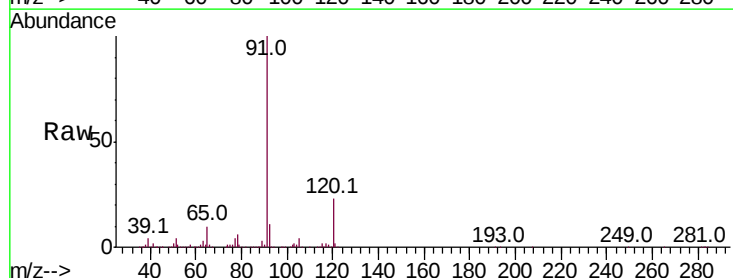
Acq: 13 Sep 2018 12:34

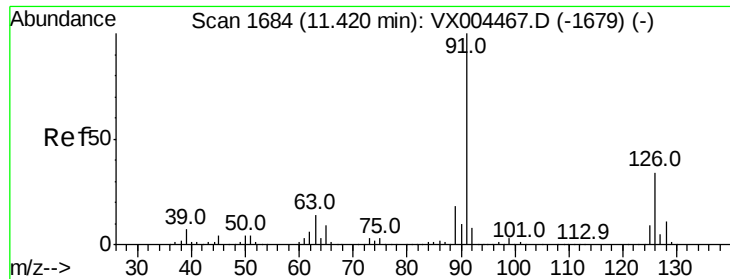
Tgt Ion: 91 Resp: 343801

Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.9





#79

2-Chlorotoluene

Concen: 21.352 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion: 91 Resp: 205207

Ion Ratio Lower Upper

91 100

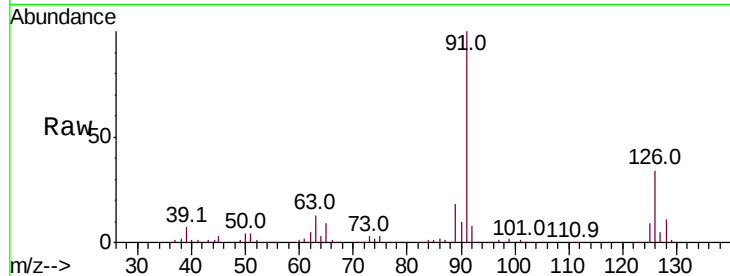
126 34.7 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)

300000

200000

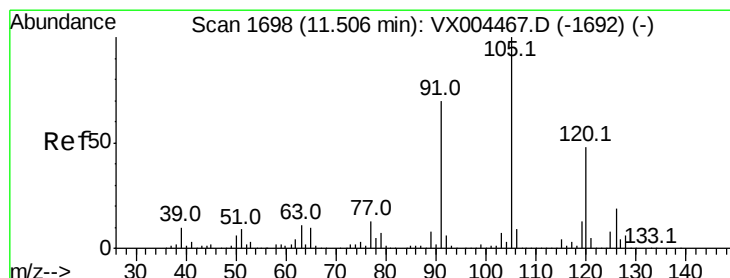
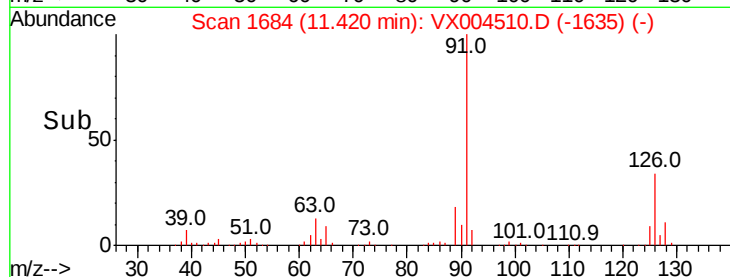
100000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.715 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004510.D

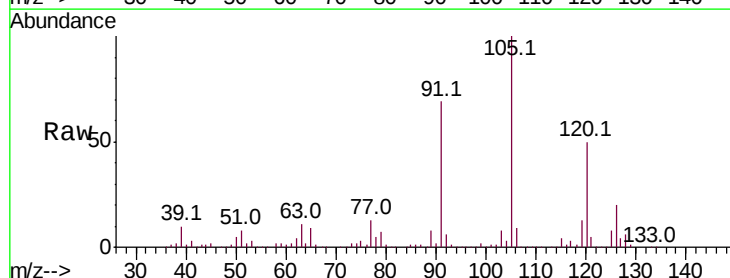
Acq: 13 Sep 2018 12:34

Tgt Ion:105 Resp: 251581

Ion Ratio Lower Upper

105 100

120 49.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)

200000

150000

100000

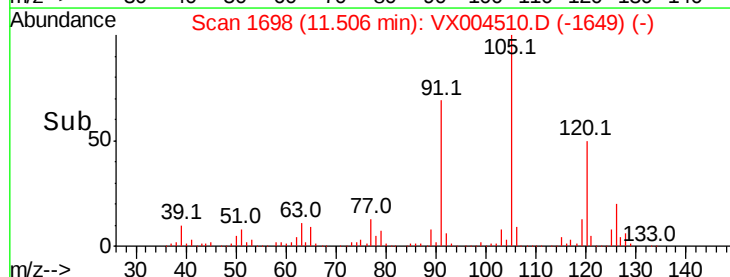
50000

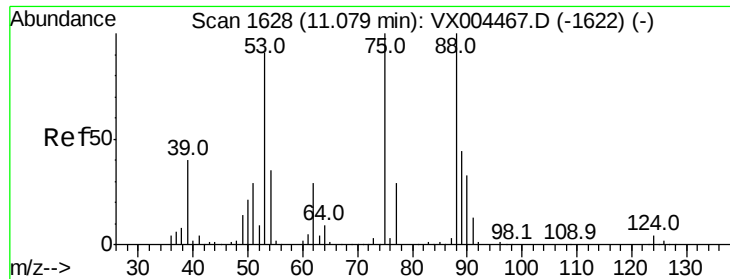
0

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.840 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

Tot Ion: 75 Resp: 27526

Ion Ratio Lower Upper

75 100

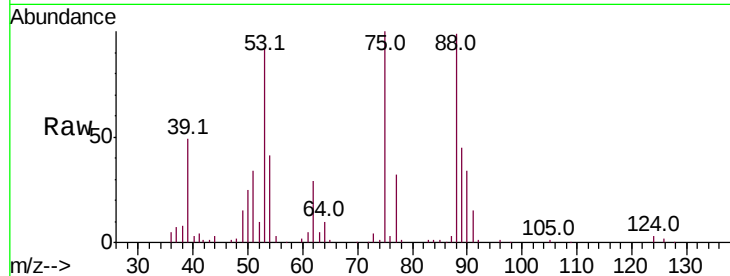
53 98.6 80.1 120.1

89 46.2 37.2 55.8

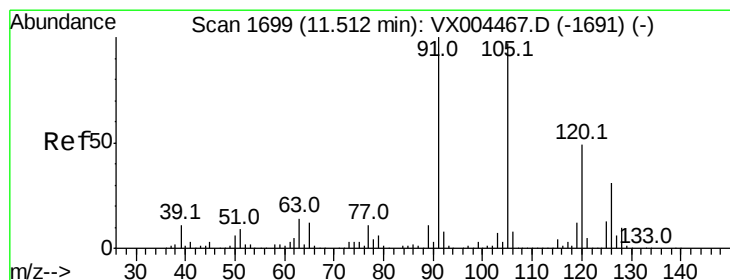
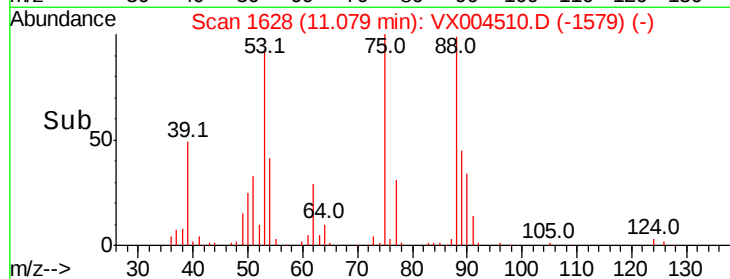
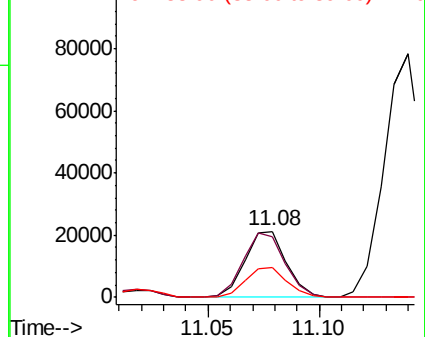
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.058 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004510.D

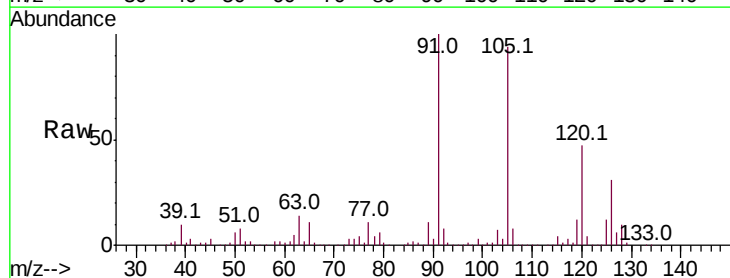
Acq: 13 Sep 2018 12:34

Tgt Ion: 91 Resp: 236207

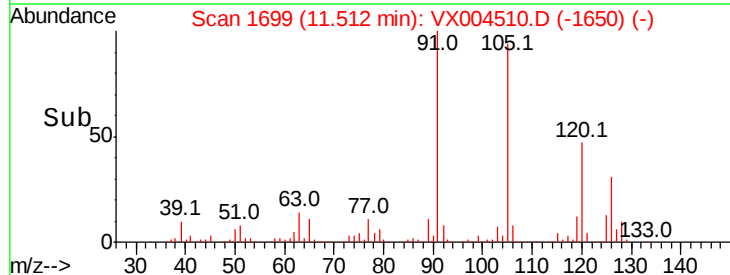
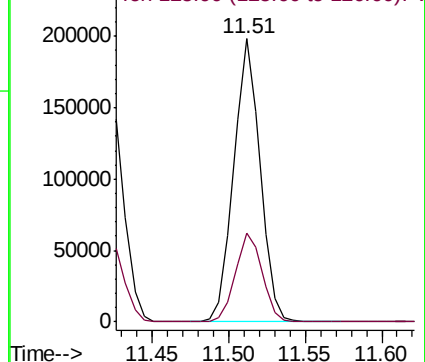
Ion Ratio Lower Upper

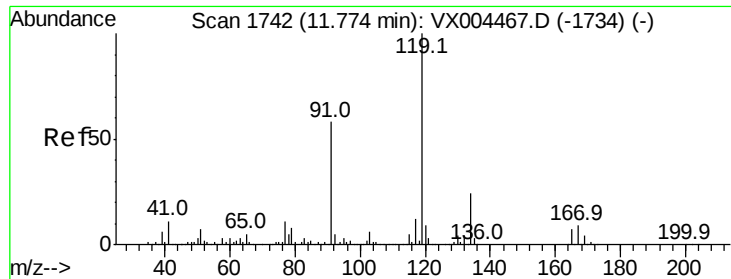
91 100

126 32.0 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.640 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

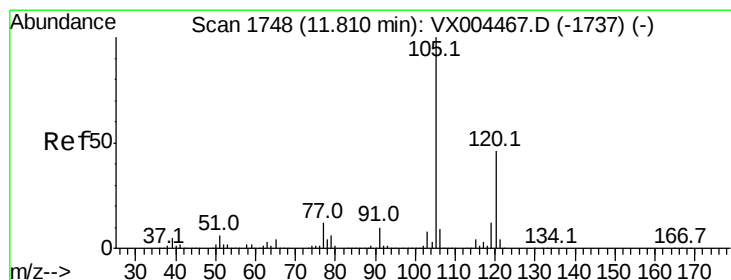
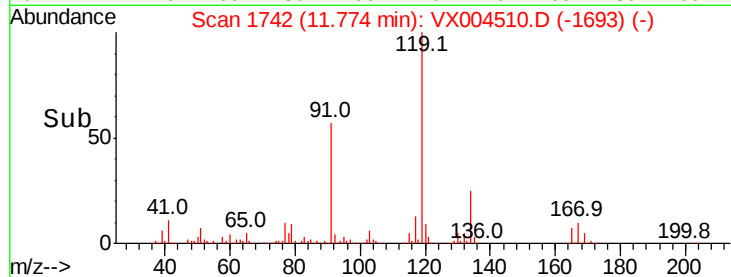
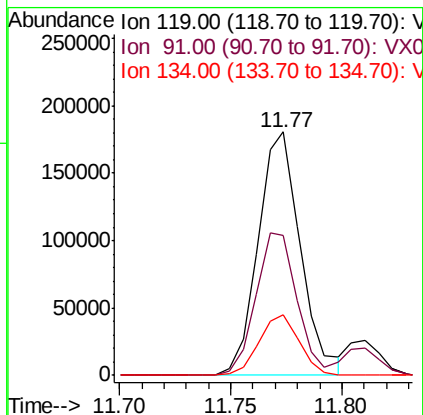
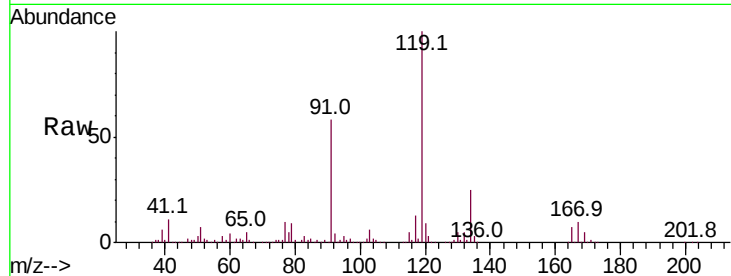
ClientSampleId :

VX0913MBS01

Tot Ion:	119	Resp:	238690
Ion Ratio	Lower	Upper	
119	100		
91	57.0	27.0	81.0
134	23.7	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 21.832 ug/l

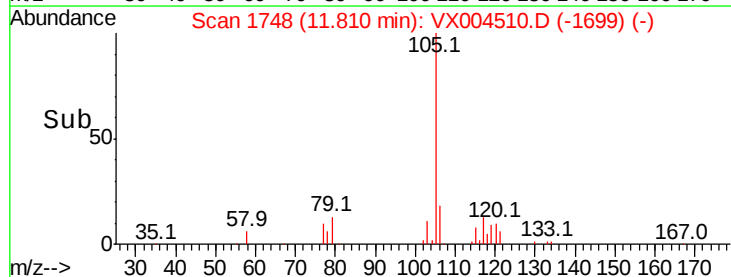
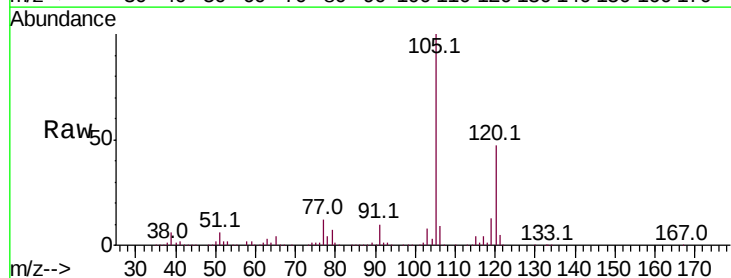
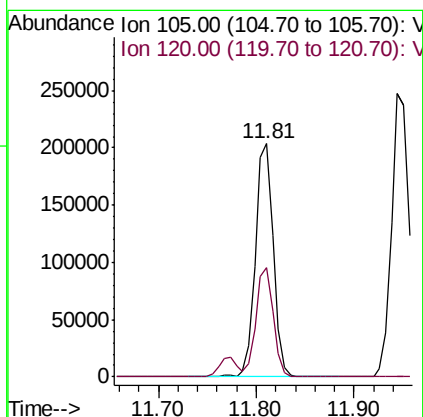
RT: 11.81 min Scan# 1748

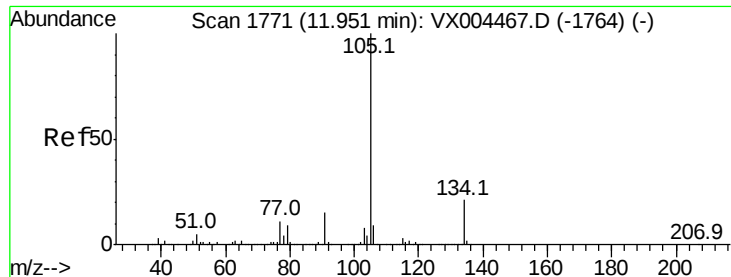
Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Tgt Ion:	105	Resp:	258249
Ion Ratio	Lower	Upper	
105	100		
120	45.3	23.2	69.6





#85

sec-Butylbenzene

Concen: 21.718 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0913MBS01

Tot Ion:105 Resp: 305259

Ion Ratio Lower Upper

105 100

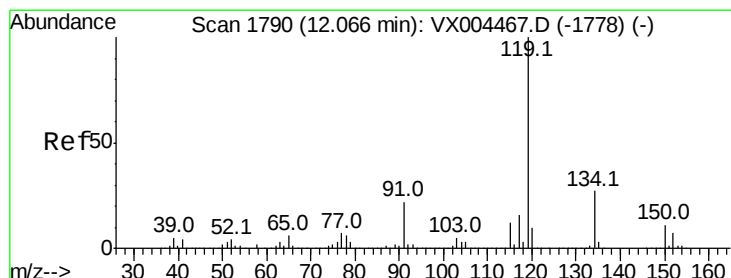
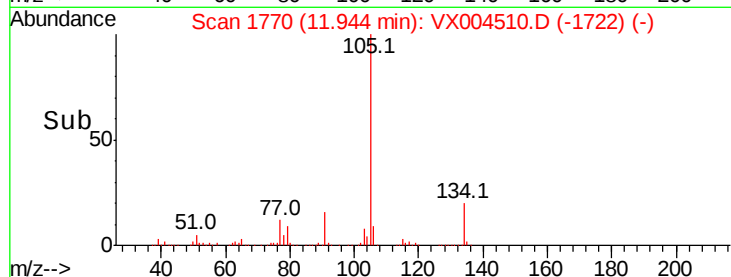
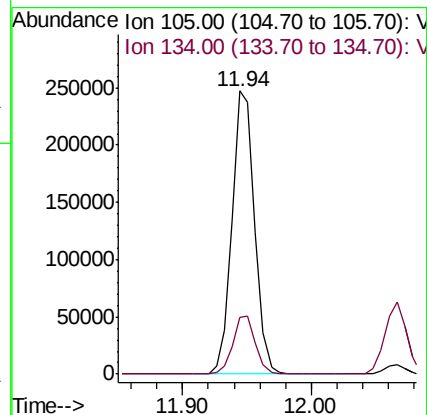
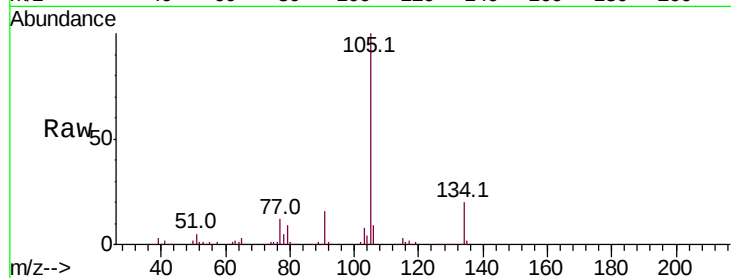
134 20.4 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 22.005 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

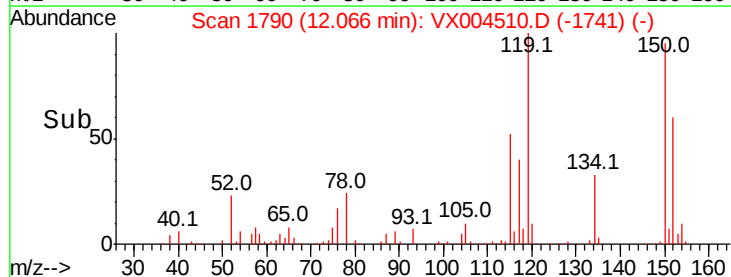
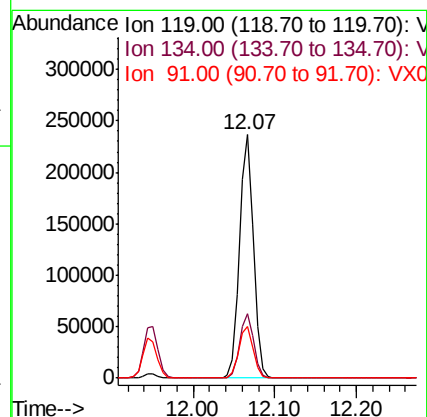
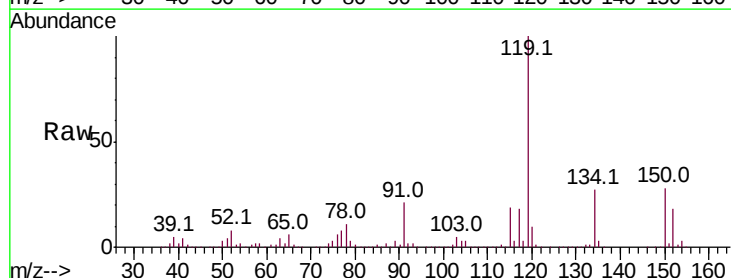
Tgt Ion:119 Resp: 273127

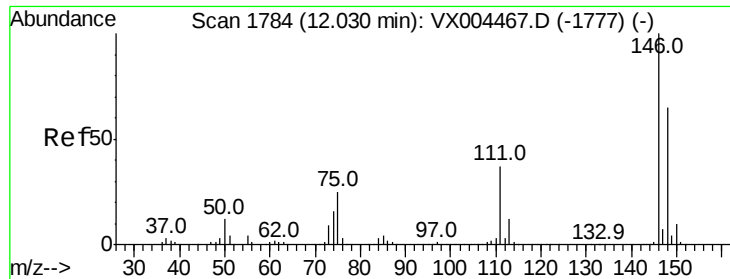
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.1 10.9 32.7





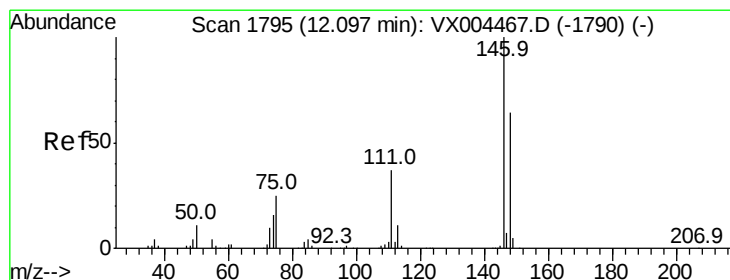
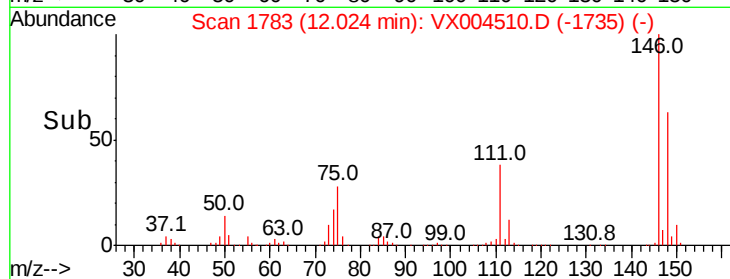
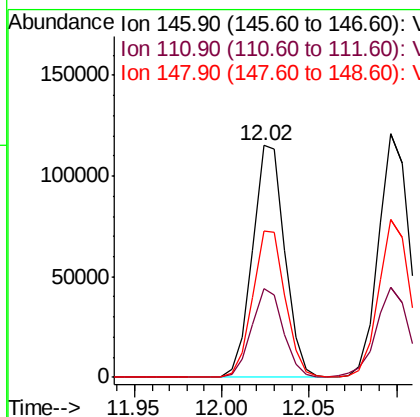
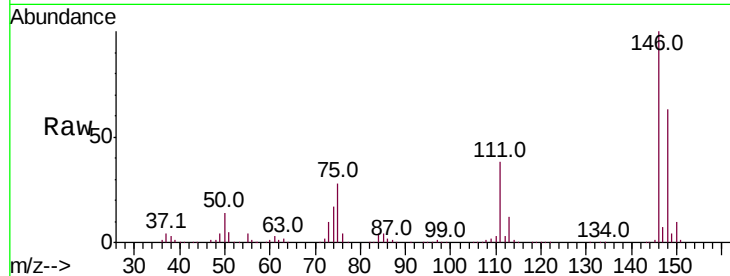
#87
 1,3-Dichlorobenzene
 Concen: 20.801 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	63.4	32.1	96.5

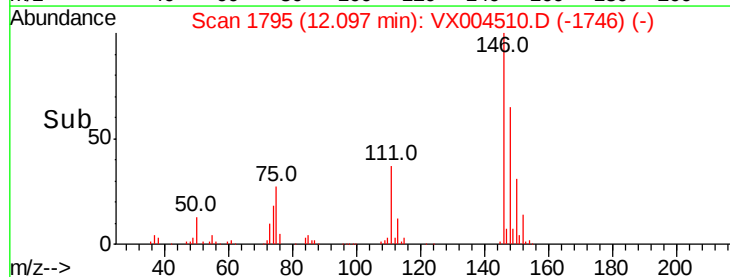
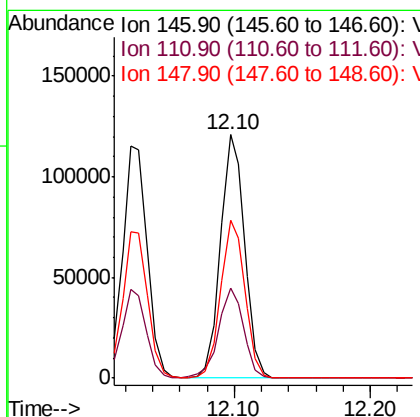
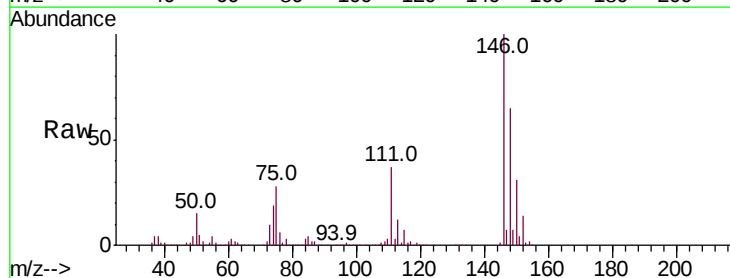
Manual Integrations
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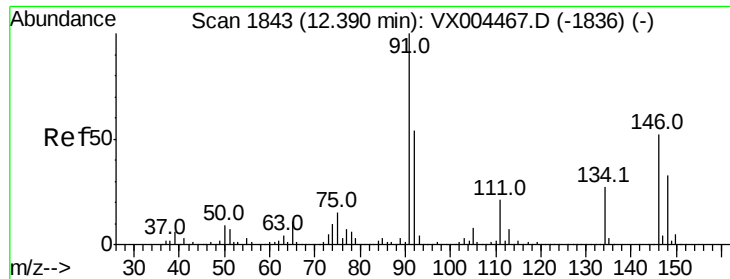
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#88
 1,4-Dichlorobenzene
 Concen: 20.238 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.1
148	65.0	32.0	96.0





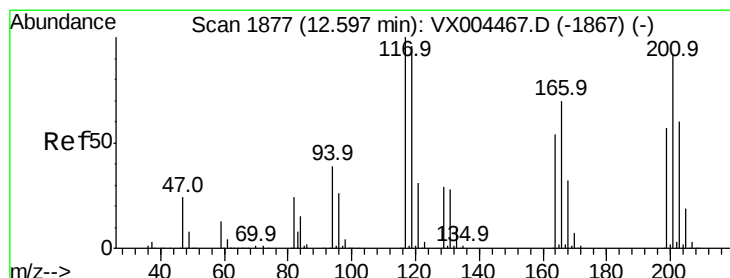
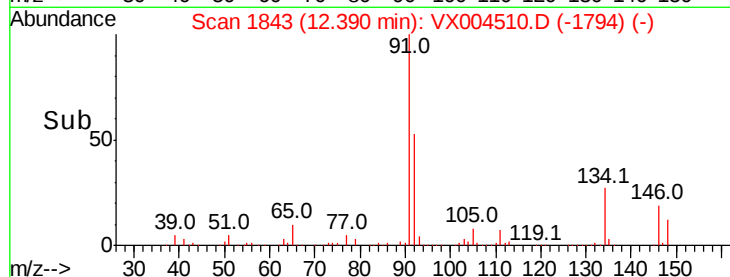
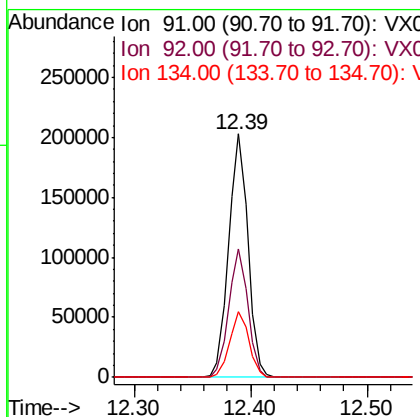
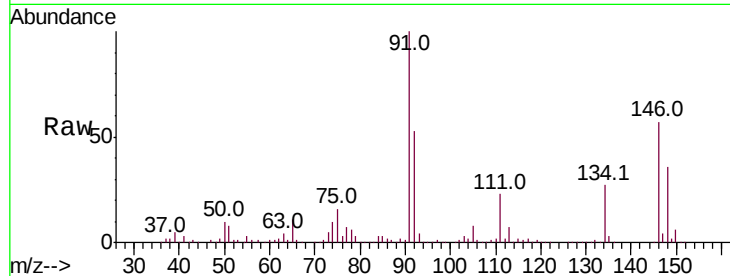
#89
n-Butylbenzene
Concen: 20.675 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.3	81.9
134	26.8	13.6	40.7

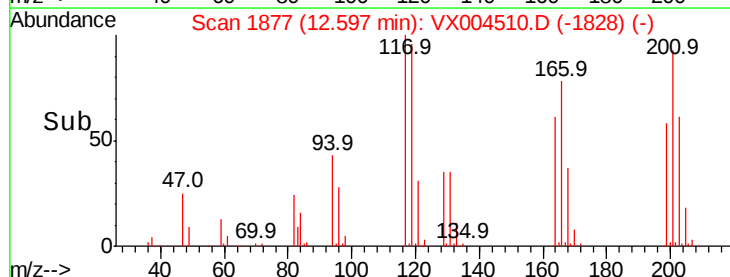
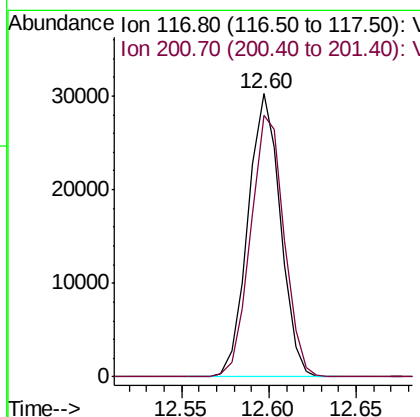
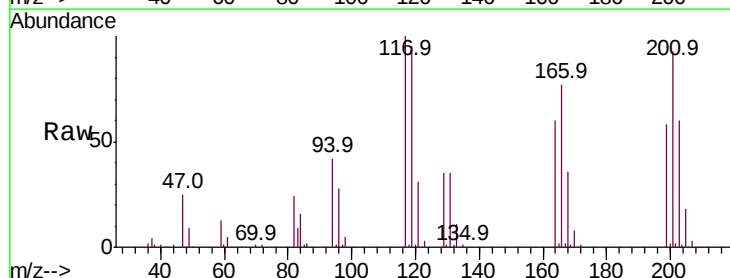
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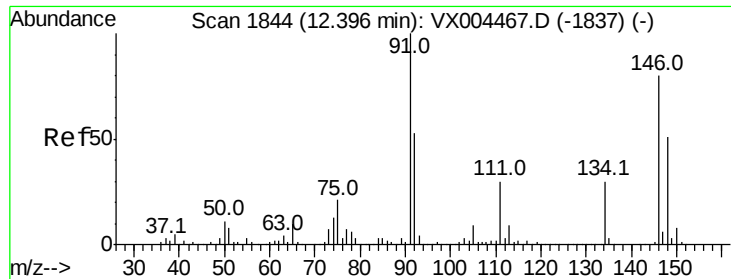
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#90
Hexachloroethane
Concen: 19.576 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.8	46.9	140.6





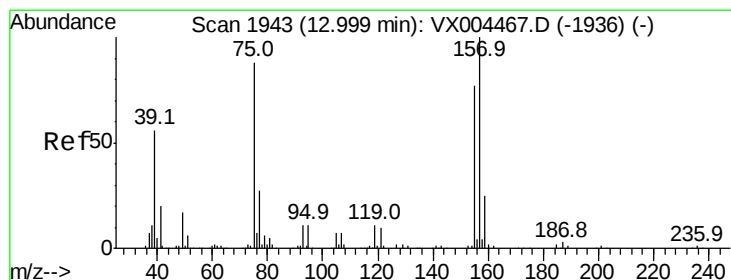
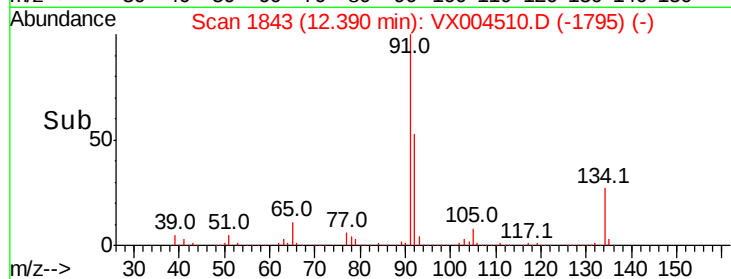
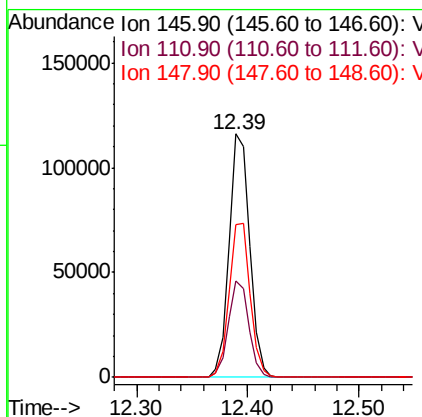
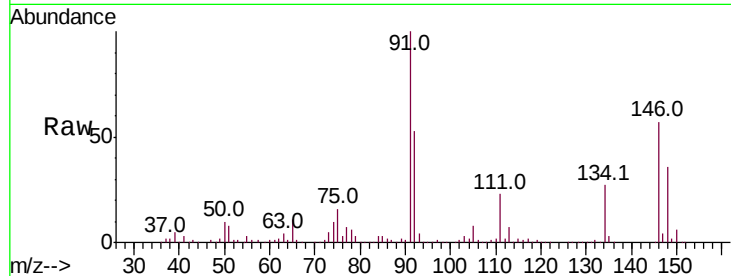
#91
 1,2-Dichlorobenzene
 Concen: 20.590 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.2	32.8	98.3

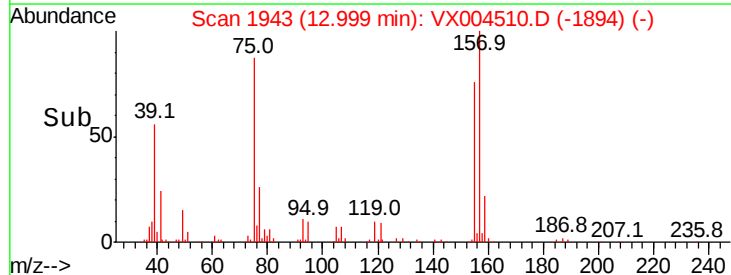
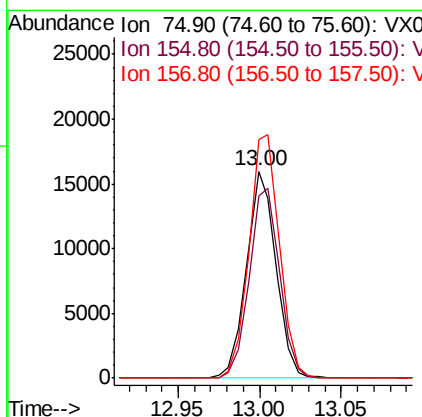
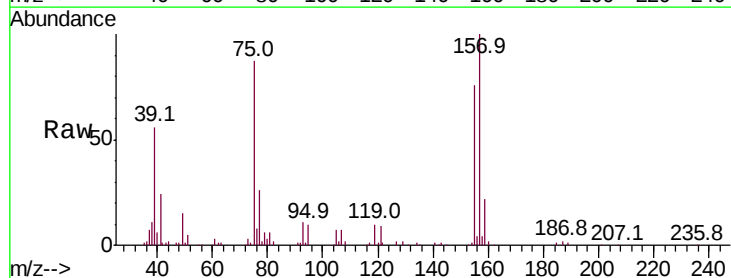
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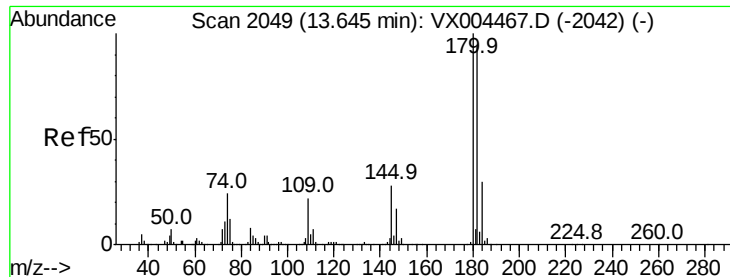
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.238 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	48.0	144.2
157	121.0	61.4	184.1





#93

1,2,4-Trichlorobenzene

Concen: 20.934 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

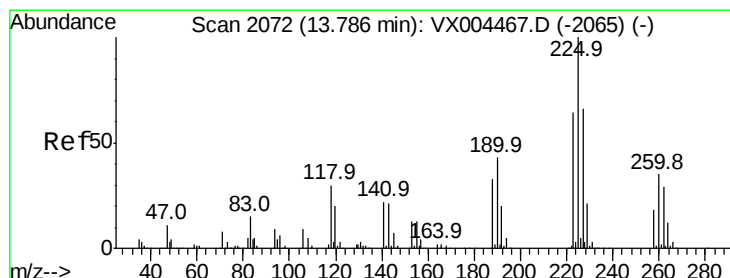
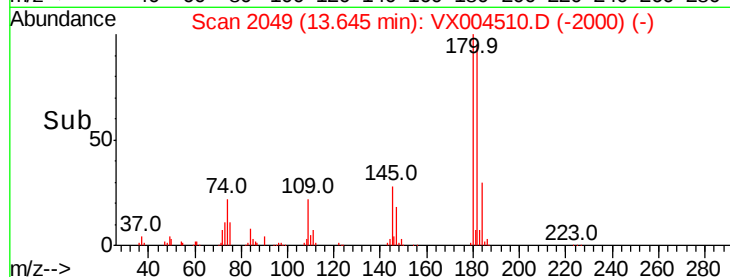
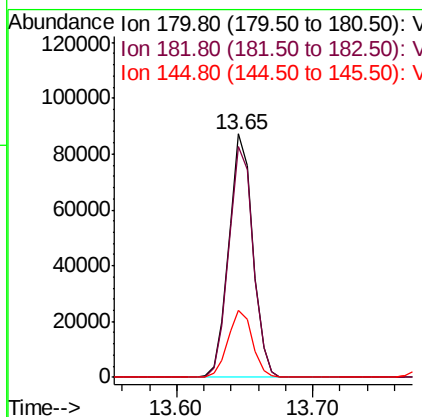
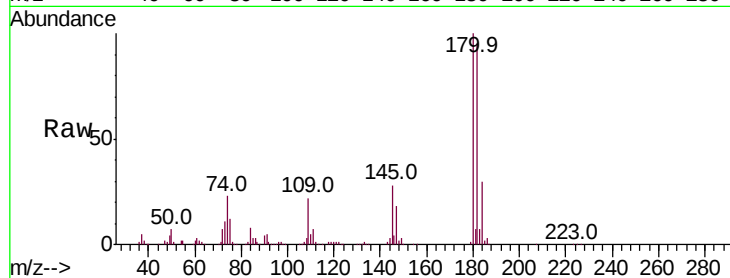
ClientSampleId :

VX0913MBS01

Tot Ion:	180	Resp:	106629
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.4	145.0
145	28.2	14.3	42.9

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#94

Hexachlorobutadiene

Concen: 20.428 ug/l

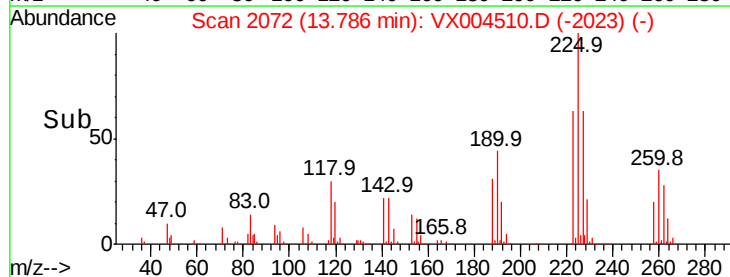
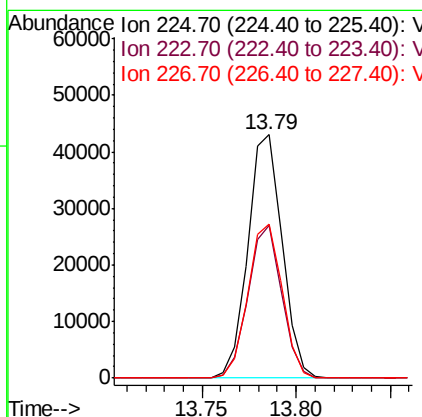
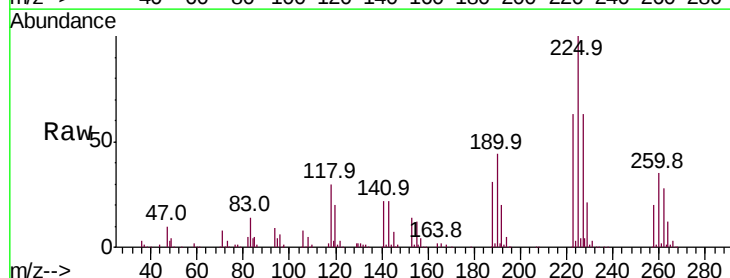
RT: 13.79 min Scan# 2072

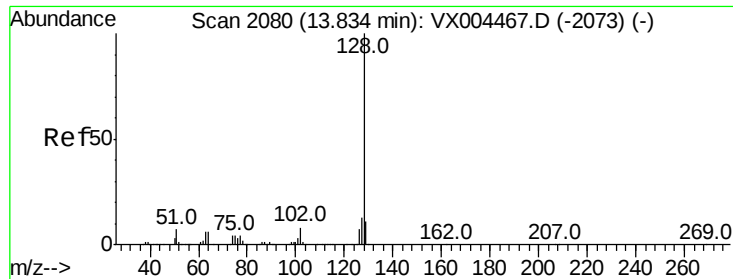
Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Tgt Ion:	225	Resp:	54353
Ion Ratio	Lower	Upper	
225	100		
223	61.5	30.1	90.5
227	63.2	30.8	92.4





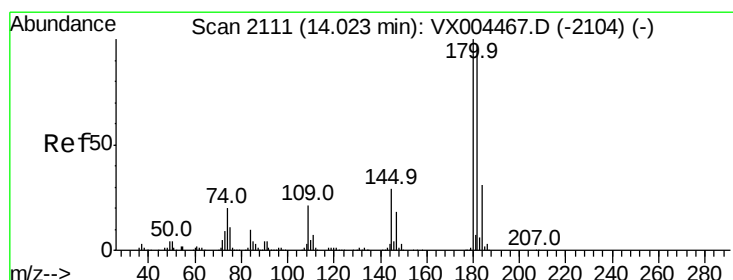
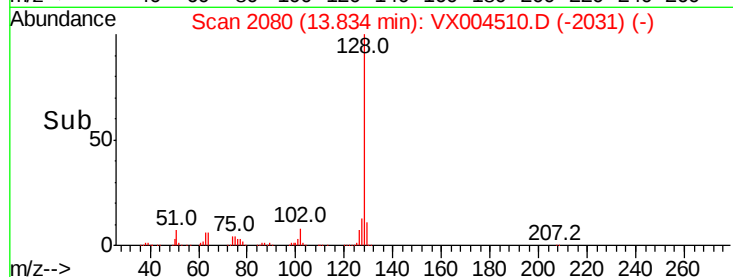
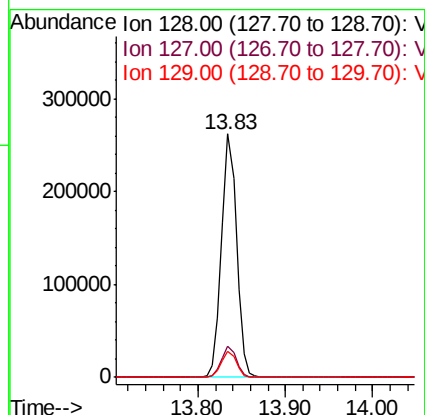
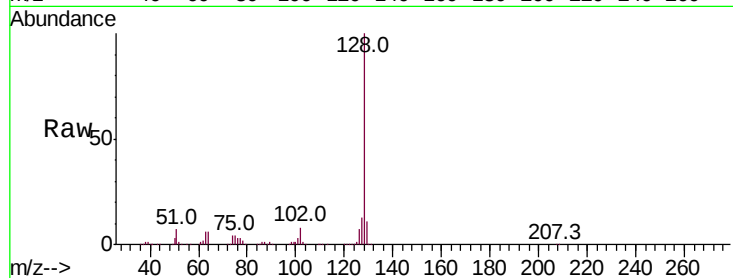
#95
Naphthalene
Concen: 21.774 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 20.967 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.5	145.6
145	29.9	14.9	44.9

