

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004509.D
 Acq On : 13 Sep 2018 12:07
 Operator : JC/MD
 Sample : VX0913WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/15/2018 11:23:43 AM

Quant Time: Sep 14 04:22:05 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	5.67	168	301705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	379315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	367635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	187055	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	5.50	113	161267	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	8.71	98	556009	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
62) 4-Bromofluorobenzene	11.14	95	202891	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55474	19.619	ug/l	97
3) Chloromethane	1.32	50	70276	18.059	ug/l	98
4) Vinyl Chloride	1.40	62	74165	18.569	ug/l	97
5) Bromomethane	1.64	94	38486	22.360	ug/l	100
6) Chloroethane	1.72	64	47133	18.249	ug/l	99
7) Trichlorofluoromethane	1.93	101	100596	18.999	ug/l	95
8) Diethyl Ether	2.18	74	45559	19.193	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	66500	19.798	ug/l	98
10) Methyl Iodide	2.51	142	60900	18.133	ug/l	97
11) Tert butyl alcohol	3.07	59	90139	97.105	ug/l	99
12) 1,1-Dichloroethene	2.37	96	60820	19.293	ug/l	97
13) Acrolein	2.29	56	31507	85.985	ug/l	94
14) Allyl chloride	2.73	41	118751	18.323	ug/l	97
15) Acrylonitrile	3.15	53	209124	93.553	ug/l	99
16) Acetone	2.45	43	163199	85.952	ug/l	99
17) Carbon Disulfide	2.57	76	175729	19.285	ug/l	97
18) Methyl Acetate	2.78	43	97570	18.316	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	212863	19.244	ug/l	99
20) Methylene Chloride	2.85	84	72961	18.732	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	66176	18.997	ug/l	93
22) Diisopropyl ether	3.87	45	221799	19.001	ug/l	93
23) Vinyl Acetate	3.82	43	907858	96.109	ug/l	98
24) 1,1-Dichloroethane	3.69	63	128708	19.530	ug/l	98
25) 2-Butanone	4.70	43	260366	86.162	ug/l	94
26) 2,2-Dichloropropane	4.59	77	97362	21.510	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	75664	19.458	ug/l	100
28) Bromochloromethane	5.01	49	59594	19.769	ug/l	99
29) Tetrahydrofuran	5.15	42	167901	92.134	ug/l	99
30) Chloroform	5.21	83	123020	19.120	ug/l	95
31) Cyclohexane	5.58	56	113417	20.155	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	102694	19.817	ug/l	98
36) 1,1-Dichloropropene	5.80	75	96866	21.035	ug/l	99
37) Ethyl Acetate	4.85	43	98291	18.767	ug/l	99
38) Carbon Tetrachloride	5.78	117	87597	19.475	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
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 9/15/2018 11:23:43 AM

Quant Time: Sep 14 04:22:05 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)
39) Methylcyclohexane	7.46	83	101436	21.108	ug/l	93
40) Benzene	6.13	78	284501	20.822	ug/l	98
41) Methacrylonitrile	5.06	41	54413	18.856	ug/l	100
42) 1,2-Dichloroethane	6.20	62	92159	20.336	ug/l	99
43) Isopropyl Acetate	6.46	43	145031	20.848	ug/l	99
44) Trichloroethene	7.21	130	71073	20.022	ug/l	96
45) 1,2-Dichloropropane	7.52	63	63829	19.414	ug/l	98
46) Dibromomethane	7.66	93	40304	19.404	ug/l	99
47) Bromodichloromethane	7.90	83	76442	19.461	ug/l	99
48) Methyl methacrylate	7.78	41	67255	19.535	ug/l	98
49) 1,4-Dioxane	7.76	88	33211	407.579	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	438786	89.380	ug/l	99
52) Toluene	8.79	92	157000	19.503	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	87851	19.146	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	95491	20.416	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	69822	20.144	ug/l	94
56) Ethyl methacrylate	9.18	69	97722	19.929	ug/l	99
57) 1,3-Dichloropropane	9.37	76	117684	20.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	225971	95.089	ug/l	97
59) 2-Hexanone	9.49	43	369160	98.036	ug/l	99
60) Dibromochloromethane	9.59	129	63040	19.318	ug/l	98
61) 1,2-Dibromoethane	9.67	107	65833	19.882	ug/l	98
64) Tetrachloroethene	9.34	164	91958	20.034	ug/l	95
65) Chlorobenzene	10.14	112	176383	19.315	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	60076	19.077	ug/l	99
67) Ethyl Benzene	10.25	91	292286	19.684	ug/l	97
68) m/p-Xylenes	10.36	106	232098	40.579	ug/l	97
69) o-Xylene	10.70	106	109061	19.833	ug/l	98
70) Styrene	10.71	104	183862	20.182	ug/l	99
71) Bromoform	10.86	173	47077	18.207	ug/l	100
73) Isopropylbenzene	11.02	105	302240	21.357	ug/l	99
74) N-amyl acetate	10.90	43	113539	19.061	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	87423	19.152	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	86369m	19.978	ug/l	
77) Bromobenzene	11.26	156	79812	20.404	ug/l	99
78) n-propylbenzene	11.36	91	348831	21.438	ug/l	99
79) 2-Chlorotoluene	11.42	91	202316	20.501	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	252849	21.253	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	26836	19.786	ug/l	99
82) 4-Chlorotoluene	11.51	91	240843	20.910	ug/l	100
83) tert-Butylbenzene	11.77	119	238539	21.061	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	260928	21.482	ug/l	99
85) sec-Butylbenzene	11.94	105	309156	21.420	ug/l	98
86) p-Isopropyltoluene	12.07	119	275896	21.647	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	149221	20.447	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	150227	19.922	ug/l	97
89) n-Butylbenzene	12.39	91	242035	20.839	ug/l	98
90) Hexachloroethane	12.60	117	39475	19.347	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	148147	20.056	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18602	19.085	ug/l	98

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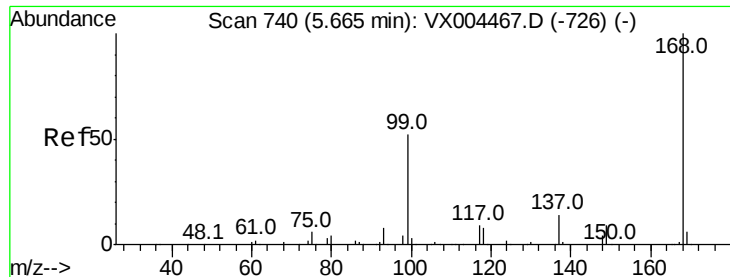
Manual Integrations
APPROVED

MMDadoda
9/15/2018 11:23:43 AM

Quant Time: Sep 14 04:22:05 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)
93) 1,2,4-Trichlorobenzene	13.65	180	109934	21.018	ug/l	99
94) Hexachlorobutadiene	13.79	225	56674	20.744	ug/l	97
95) Naphthalene	13.83	128	301470	20.550	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	111464	20.744	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion:168 Resp: 301705

Ion Ratio Lower Upper

168 100

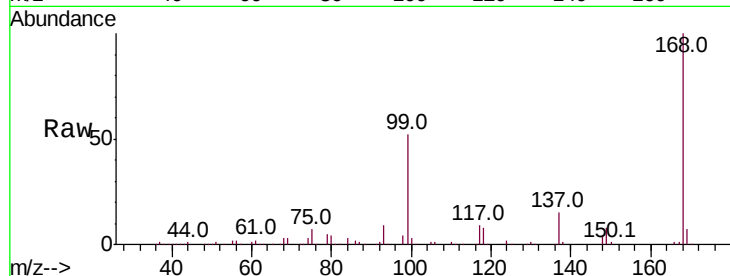
99 51.6 39.9 59.9

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

120000

100000

80000

60000

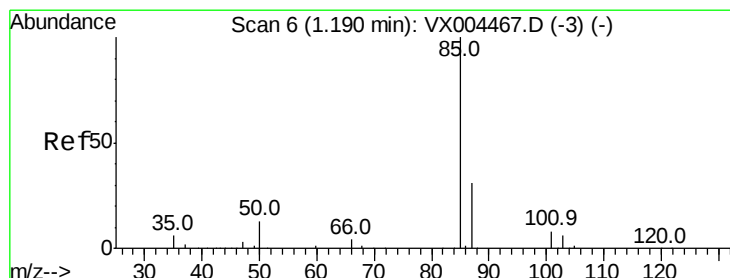
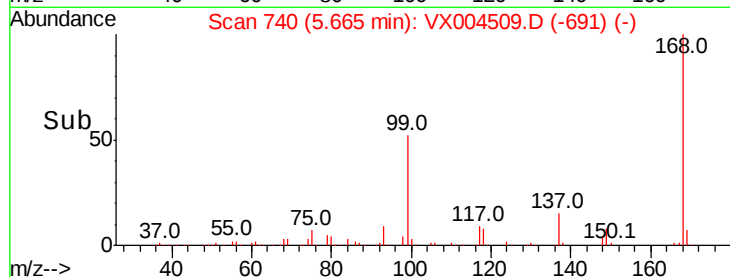
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.619 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004509.D

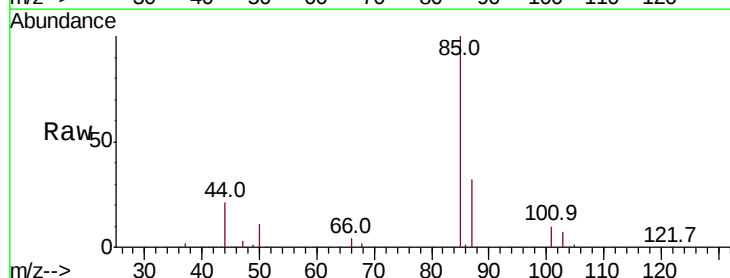
Acq: 13 Sep 2018 12:07

Tgt Ion: 85 Resp: 55474

Ion Ratio Lower Upper

85 100

87 32.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

30000

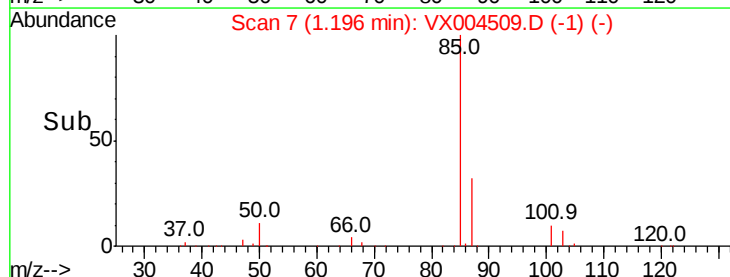
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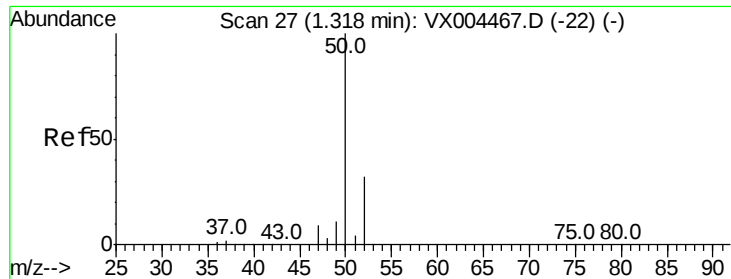
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.059 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion: 50 Resp: 70276

Ion Ratio Lower Upper

50 100

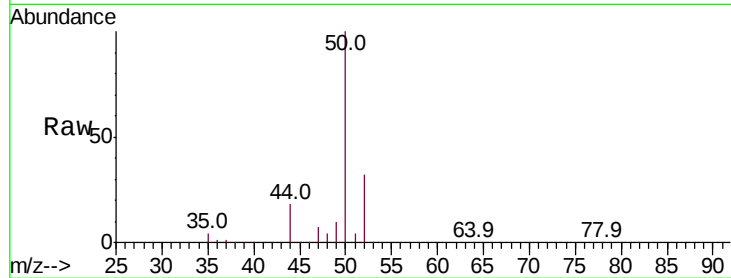
52 31.8 26.2 39.2

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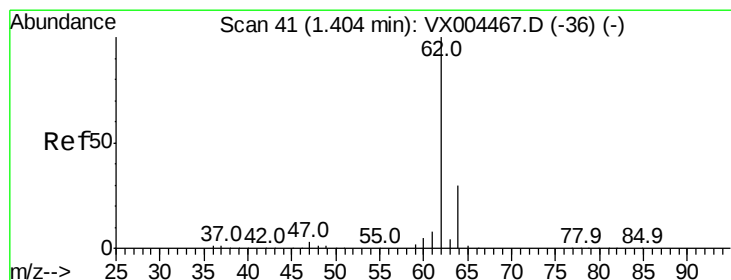
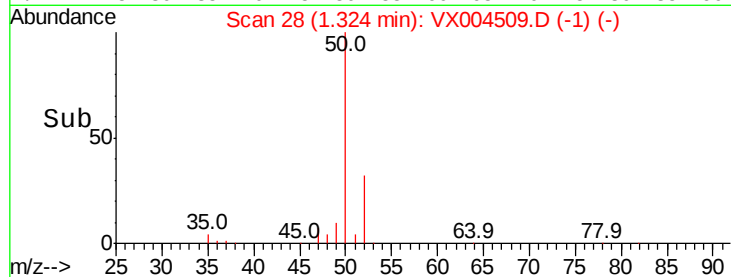
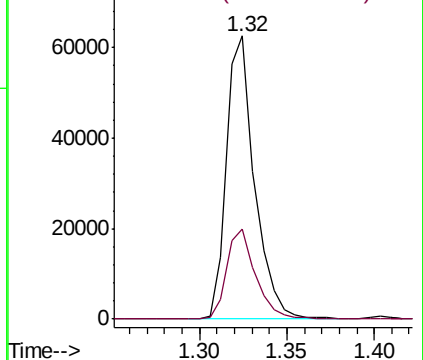
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.569 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004509.D

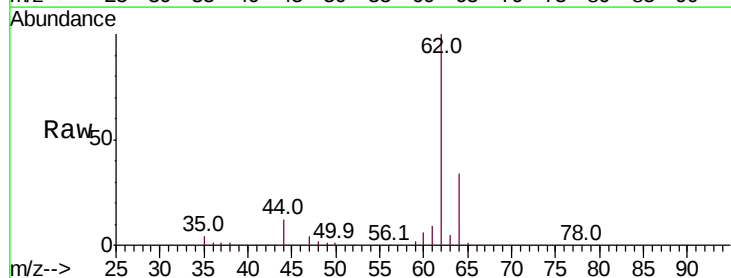
Acq: 13 Sep 2018 12:07

Tgt Ion: 62 Resp: 74165

Ion Ratio Lower Upper

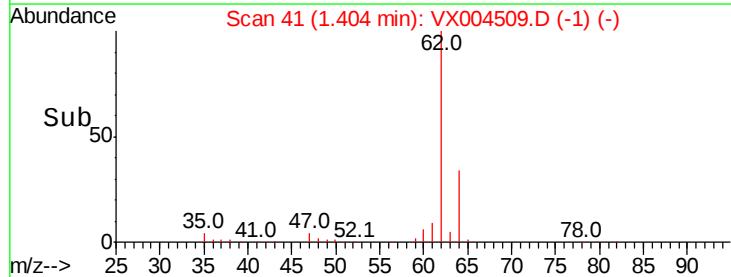
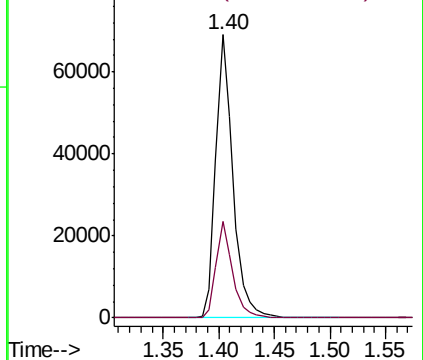
62 100

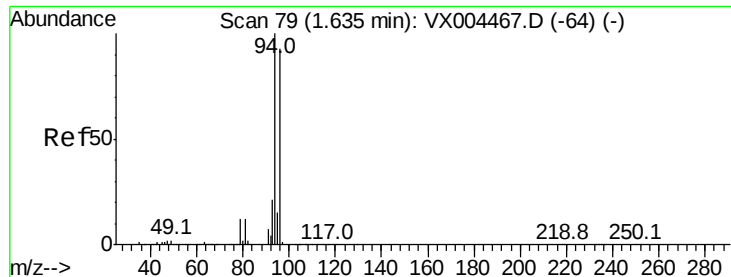
64 34.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.360 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion: 94 Resp: 38486

Ion Ratio Lower Upper

94 100

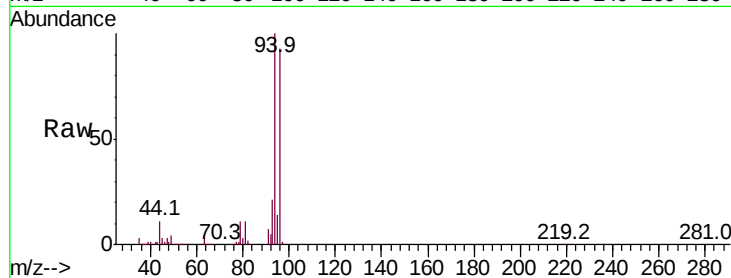
96 93.2 74.5 111.7

Manual Integrations

APPROVED

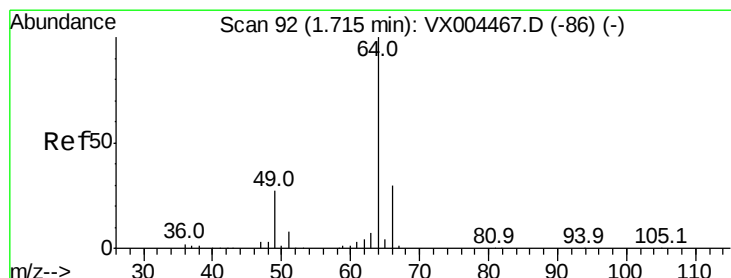
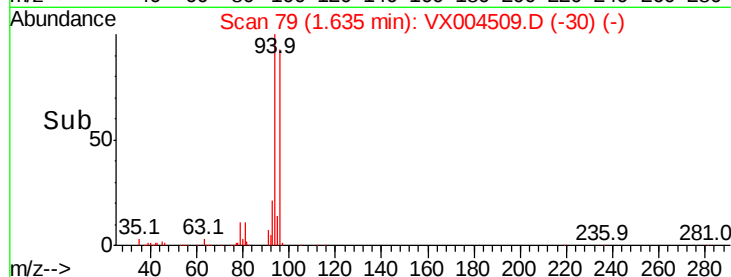
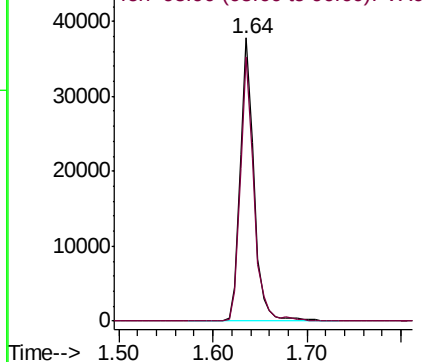
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.249 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004509.D

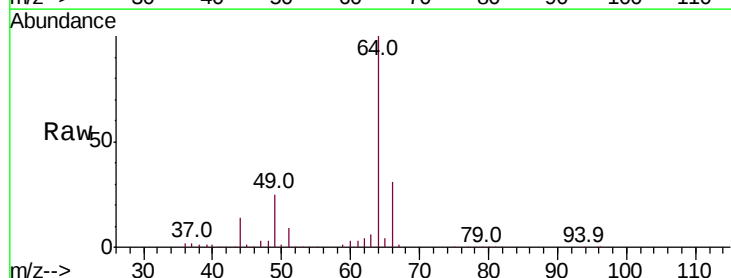
Acq: 13 Sep 2018 12:07

Tgt Ion: 64 Resp: 47133

Ion Ratio Lower Upper

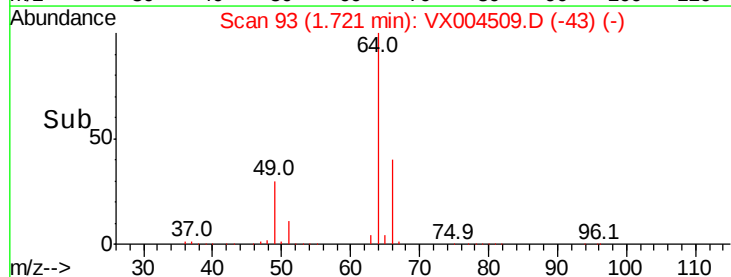
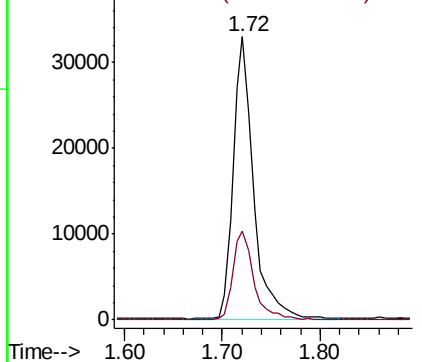
64 100

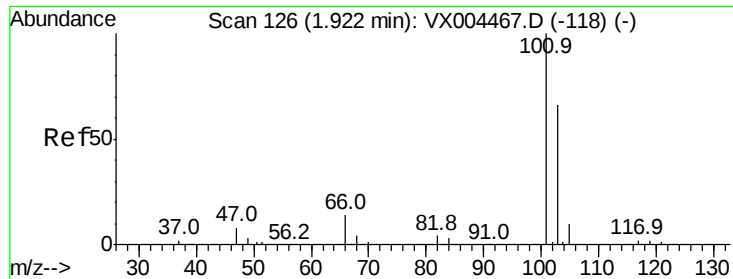
66 31.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

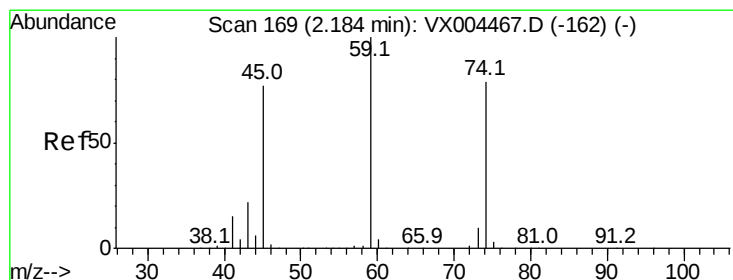
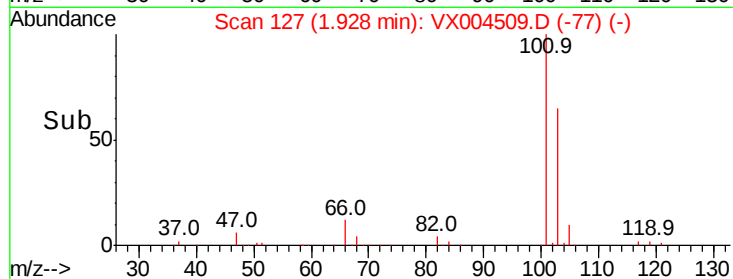
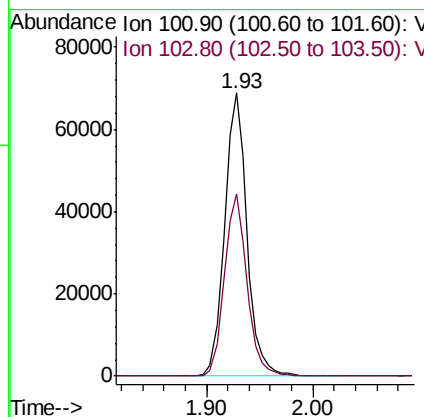
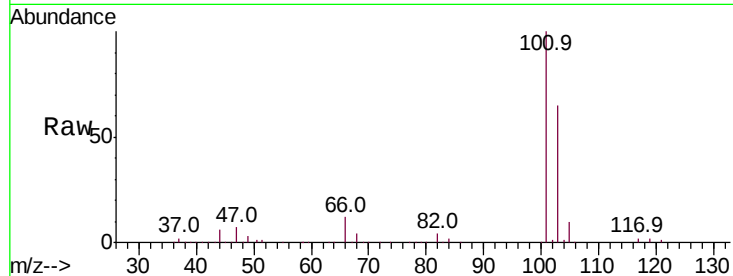
Trichlorofluoromethane
Concen: 18.999 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100596		
103	64.6	48.9	73.3	

Manual Integrations
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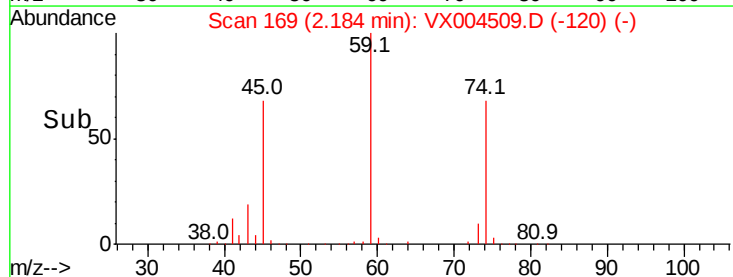
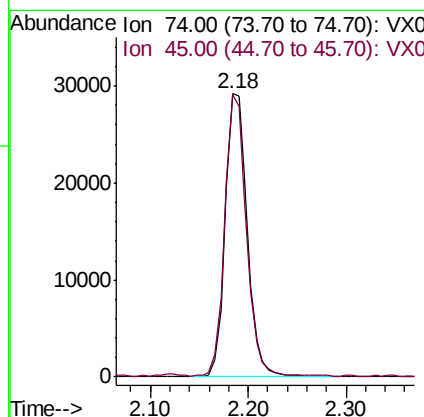
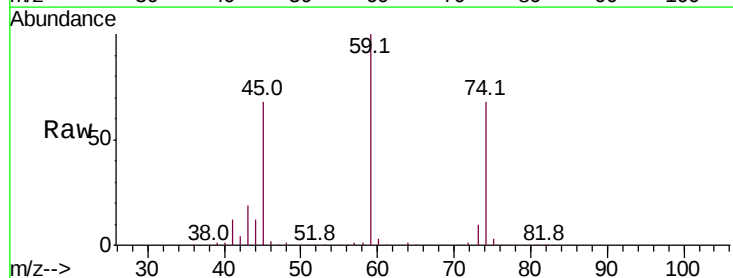
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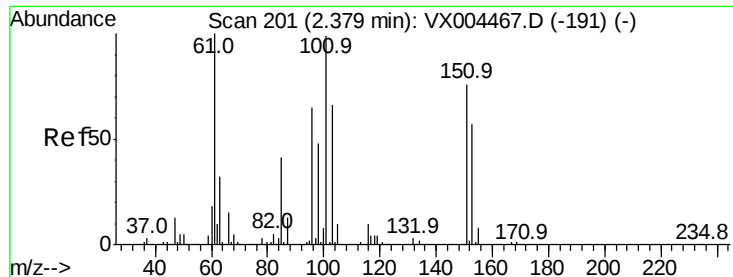


#8

Diethyl Ether
Concen: 19.193 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	45559		
45	97.3	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.798 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

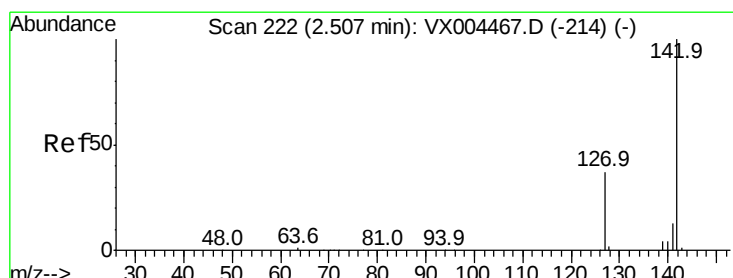
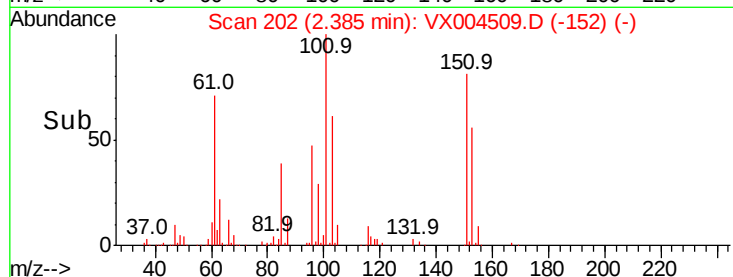
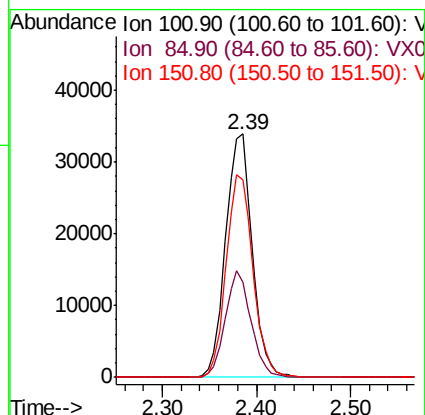
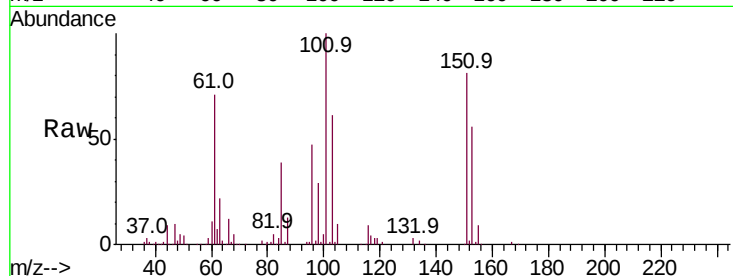
ClientSampleId :

VX0913WBS01

Tot Ion:	101	Resp:	66500
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	83.7	65.0	97.6

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#10

Methyl Iodide

Concen: 18.133 ug/l

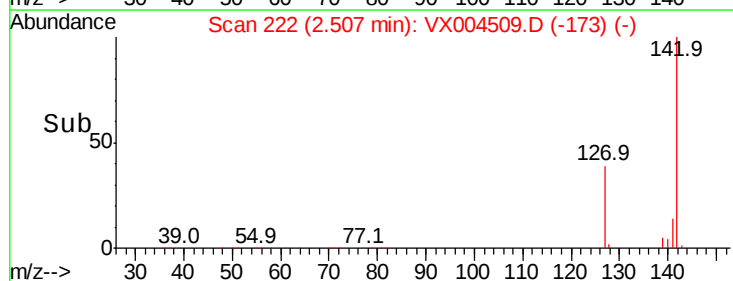
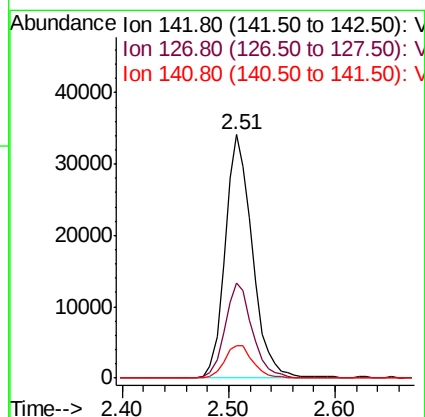
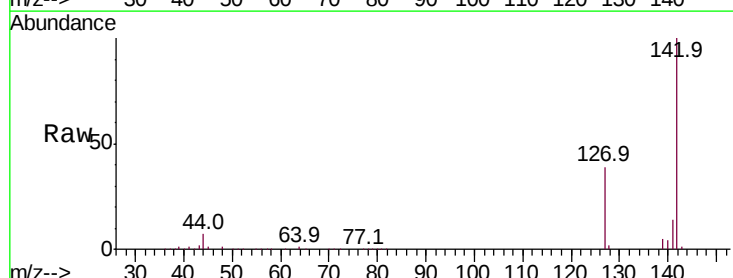
RT: 2.51 min Scan# 222

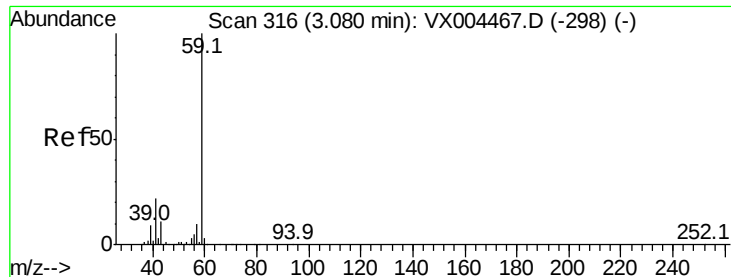
Delta R.T. 0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Tgt Ion:	142	Resp:	60900
Ion Ratio	Lower	Upper	
142	100		
127	39.5	33.8	50.6
141	14.2	11.4	17.0





#11

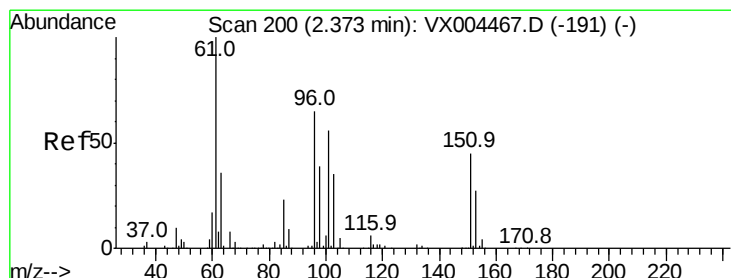
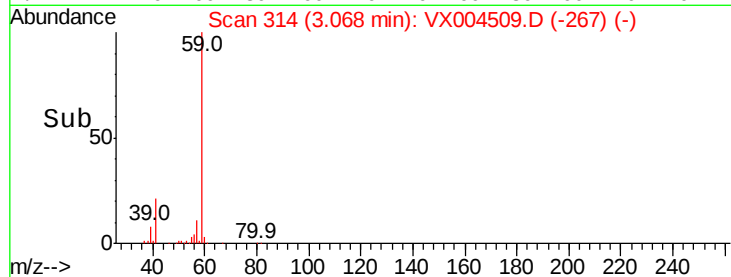
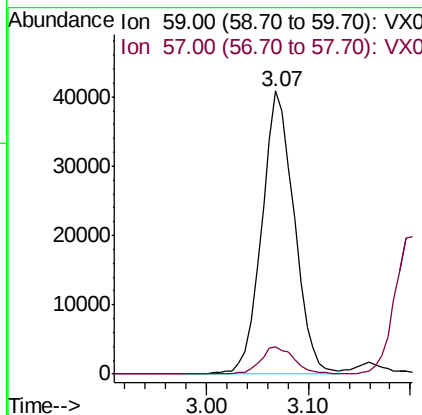
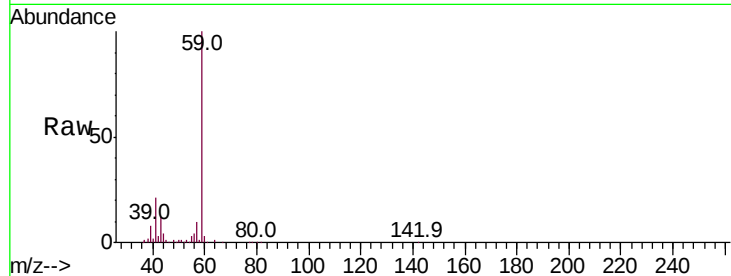
Tert butyl alcohol
Concen: 97.105 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

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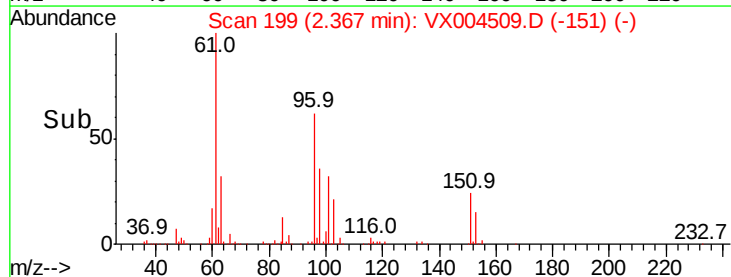
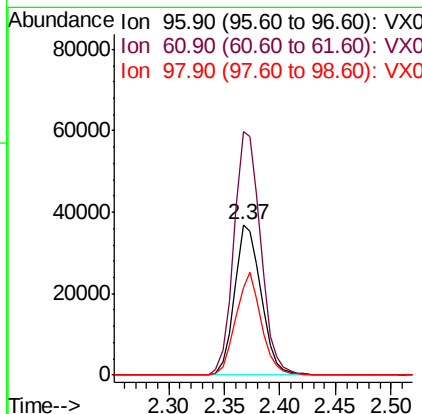
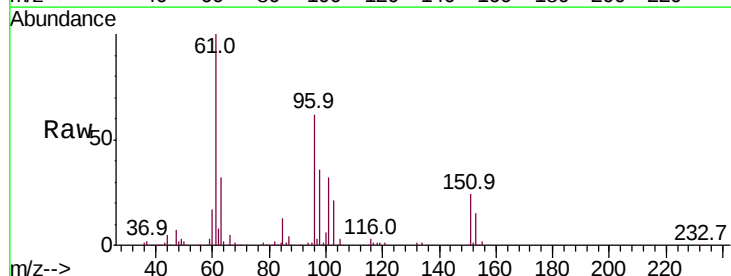
MMDadoda
9/15/2018 11:23:43 AM

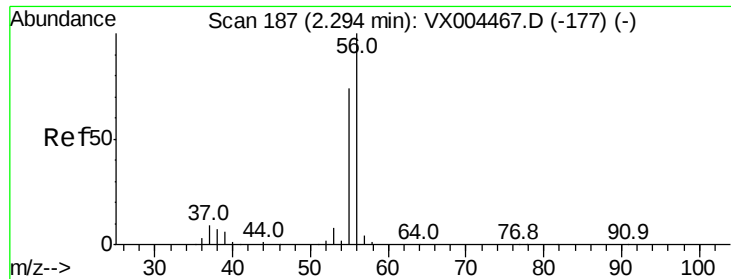


#12

1,1-Dichloroethene
Concen: 19.293 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.6	128.8	193.2
98	58.4	52.2	78.2





#13

Acrolein

Concen: 85.985 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion: 56 Resp: 31507

Ion Ratio Lower Upper

56 100

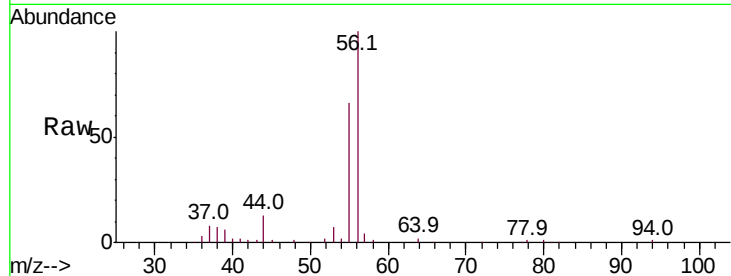
55 73.2 54.7 82.1

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

20000

15000

10000

5000

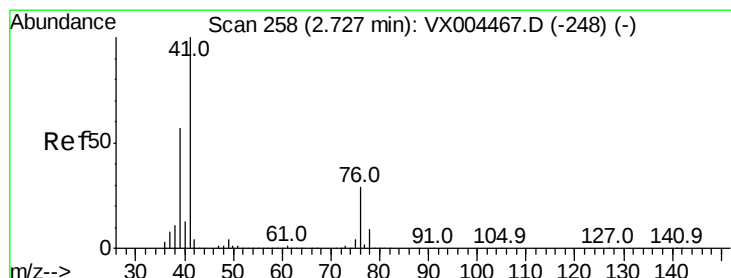
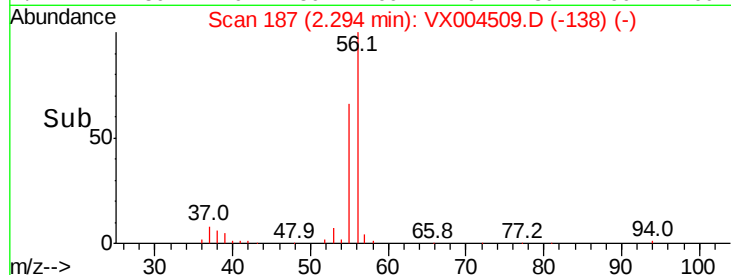
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 18.323 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

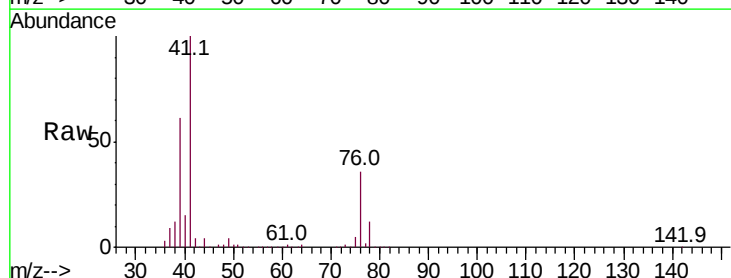
Tgt Ion: 41 Resp: 118751

Ion Ratio Lower Upper

41 100

39 58.0 48.9 73.3

76 33.2 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

40000

20000

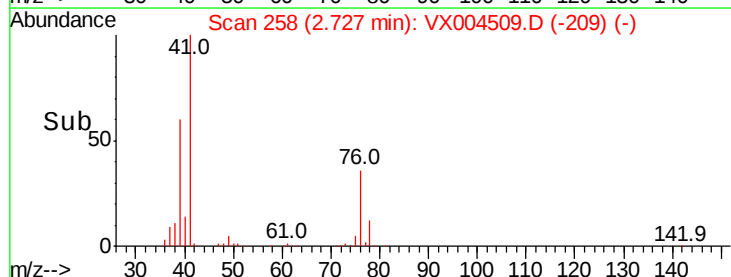
0

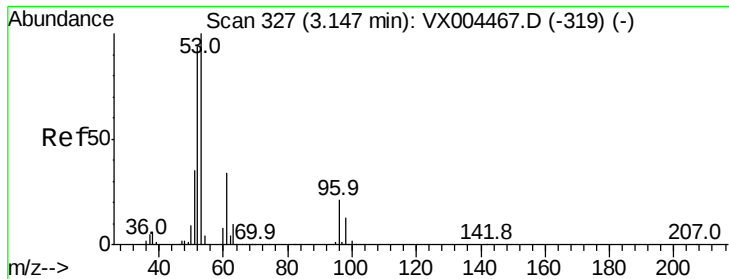
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 93.553 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

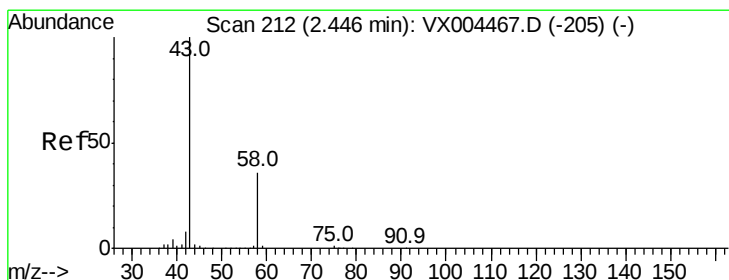
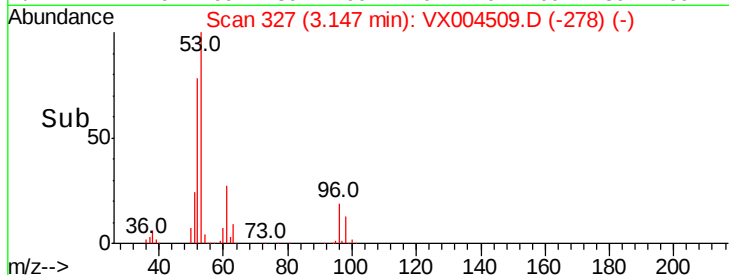
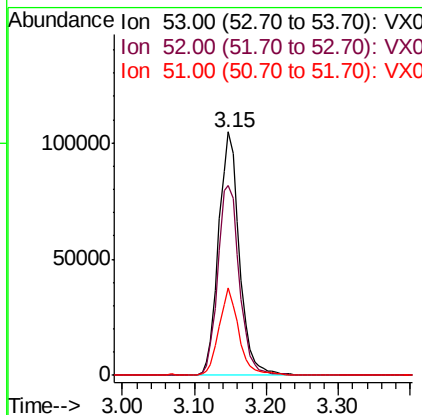
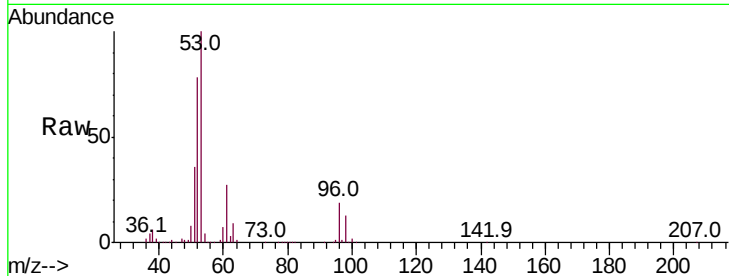
ClientSampleId :

VX0913WBS01

Tot Ion:	53	Resp:	209124
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.2	97.8
51	34.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 85.952 ug/l

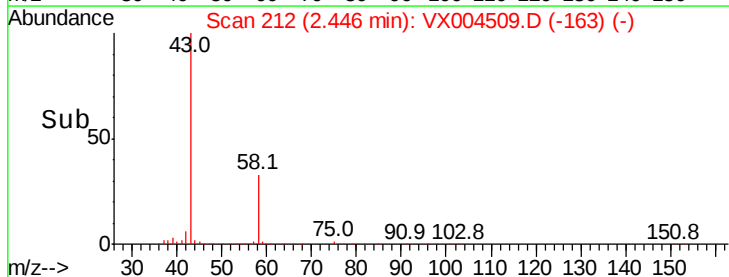
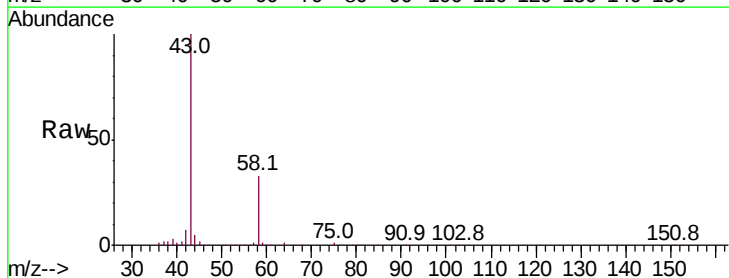
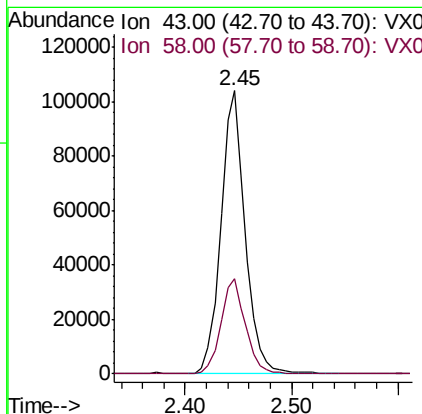
RT: 2.45 min Scan# 212

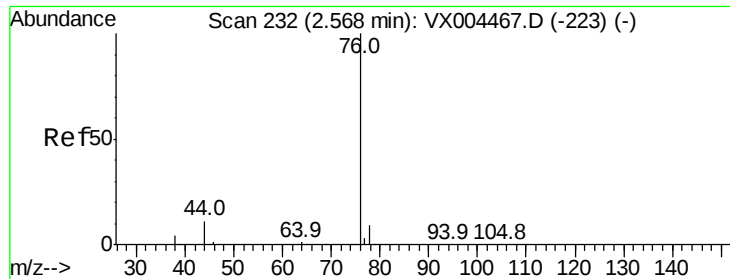
Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Tgt Ion:	43	Resp:	163199
Ion Ratio	Lower	Upper	
43	100		
58	33.4	26.2	39.4





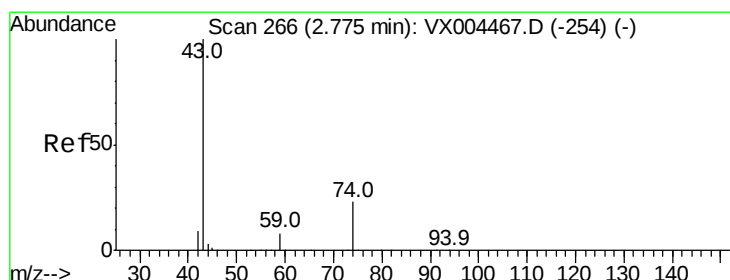
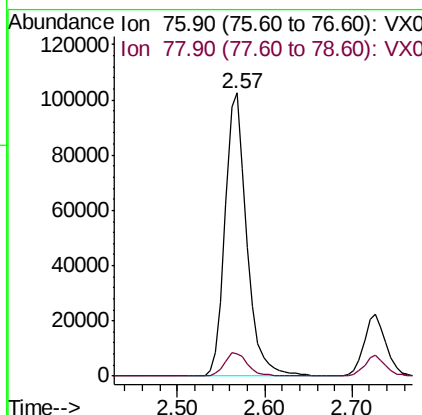
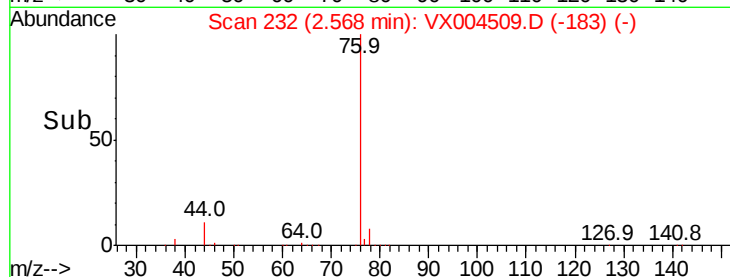
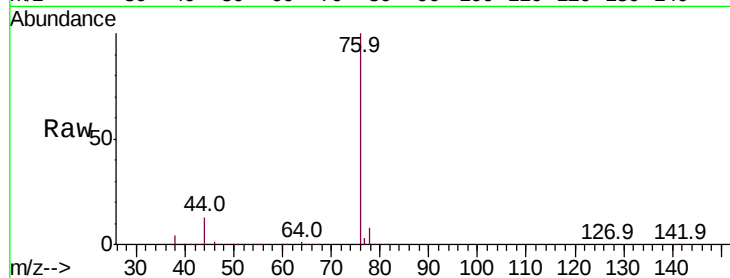
#17
Carbon Disulfide
Concen: 19.285 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion: 76 Resp: 175729
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6

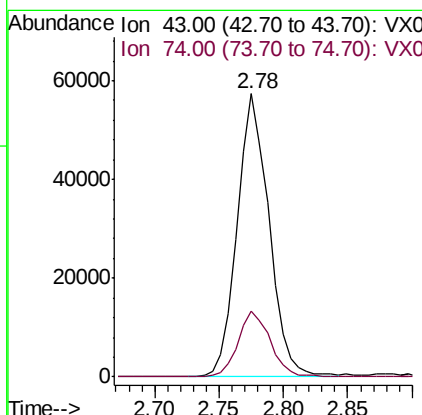
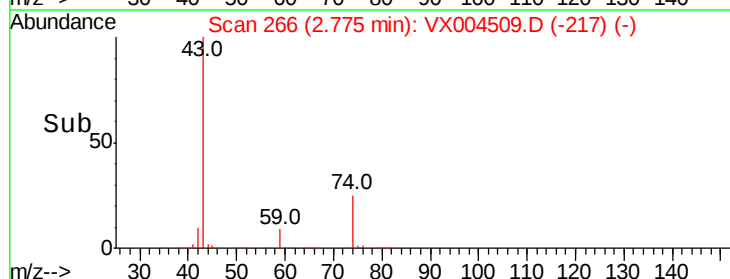
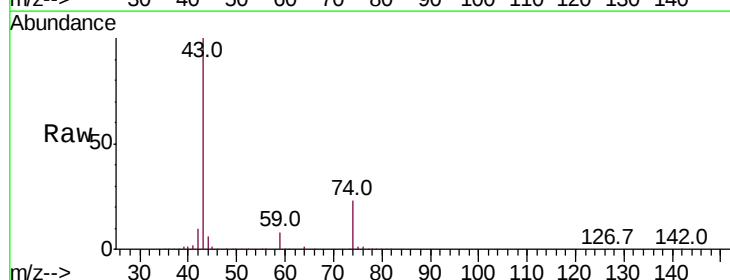
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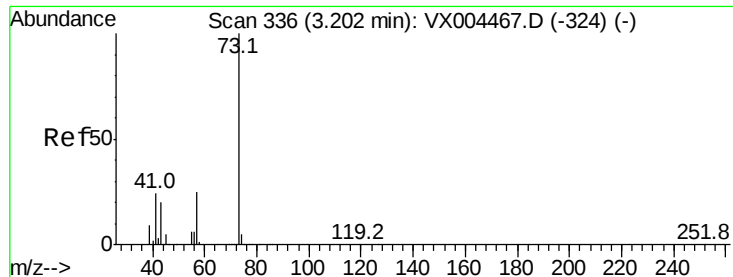
MMDadoda
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#18
Methyl Acetate
Concen: 18.316 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion: 43 Resp: 97570
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 19.244 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

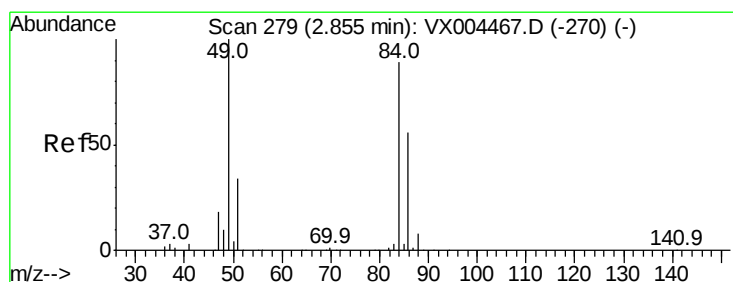
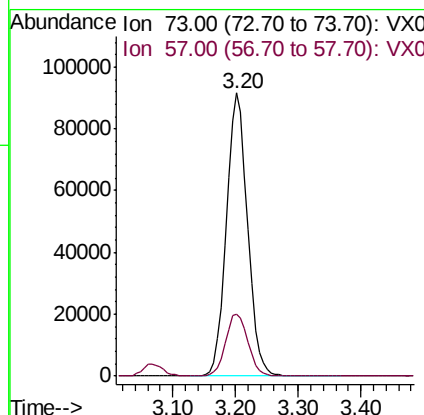
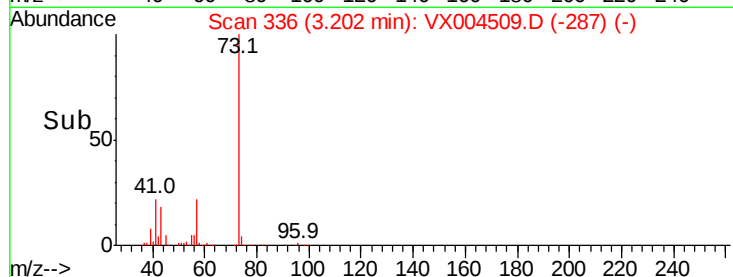
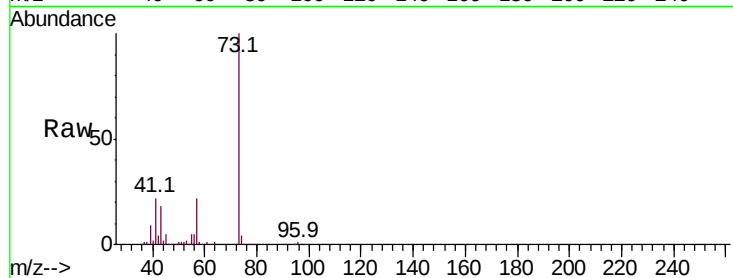
Instrument :
MSVOA_X
ClientSampleID :
VX0913WBS01

Tot Ion: 73 Resp: 212863

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.1	25.7

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#20

Methylene Chloride

Concen: 18.732 ug/l

RT: 2.85 min Scan# 279

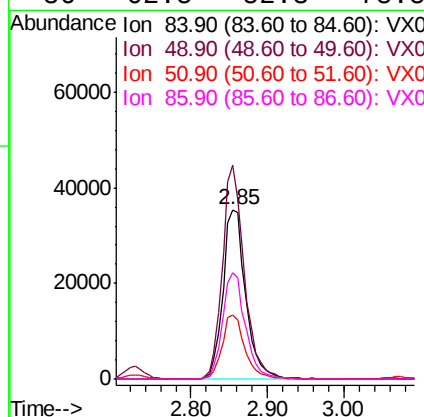
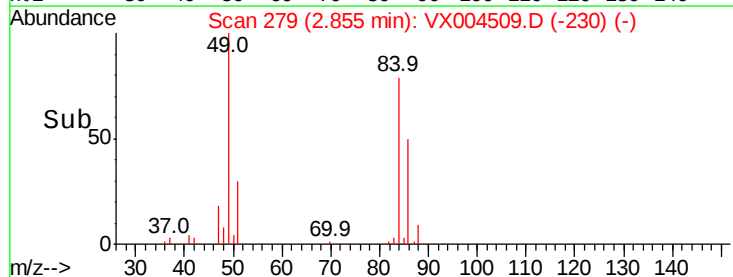
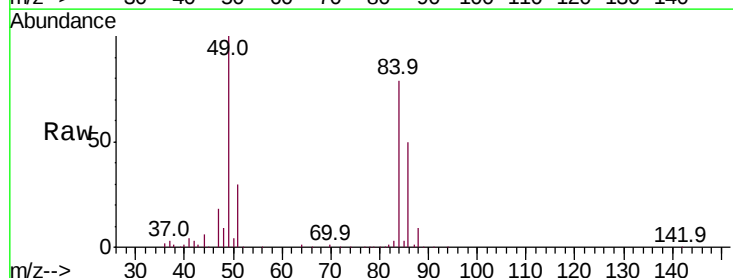
Delta R.T. -0.00 min

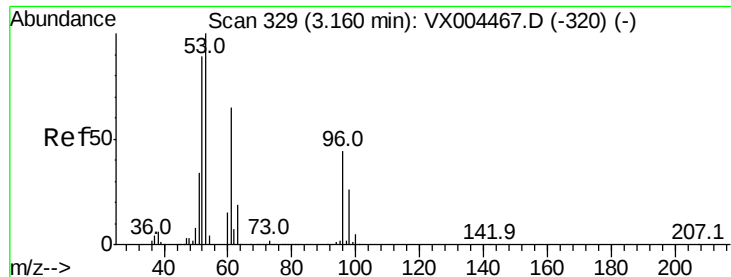
Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Tgt Ion: 84 Resp: 72961

Ion	Ratio	Lower	Upper
84	100		
49	126.1	101.2	151.8
51	38.1	29.5	44.3
86	62.5	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.997 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

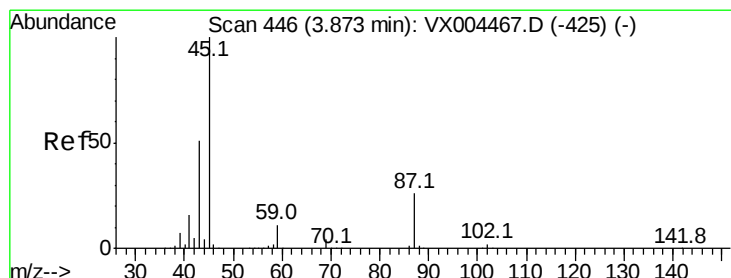
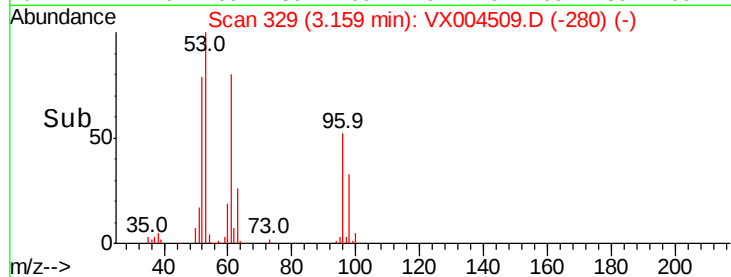
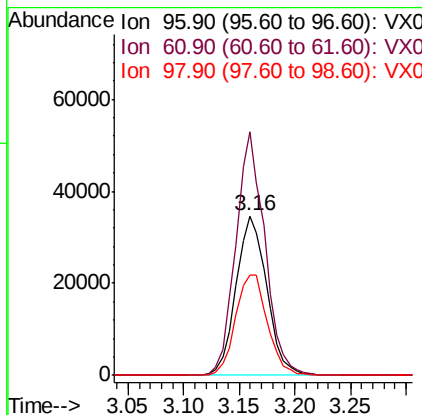
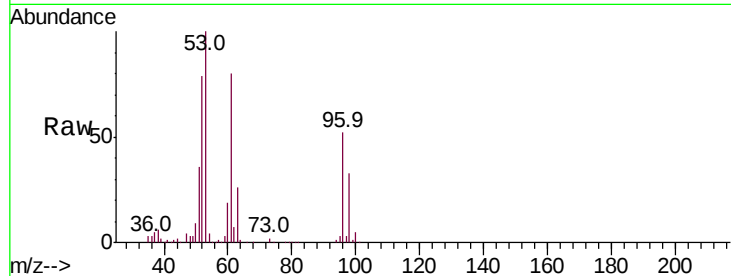
ClientSampleId :

VX0913WBS01

Tot Ion:	96	Resp:	66176
Ion	Ratio	Lower	Upper
96	100		
61	153.0	113.8	170.6
98	63.1	51.8	77.8

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#22

Diisopropyl ether

Concen: 19.001 ug/l

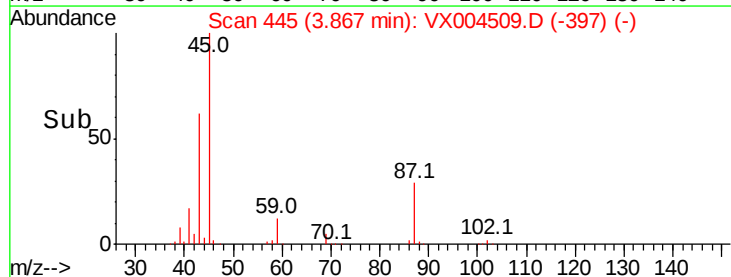
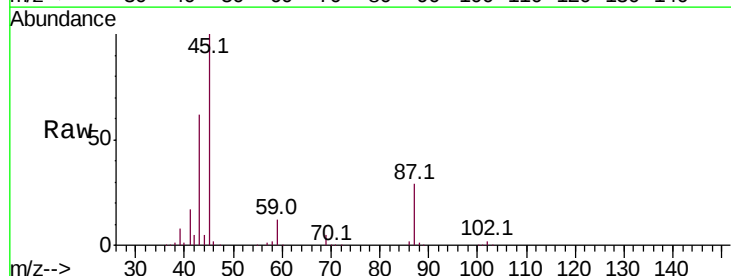
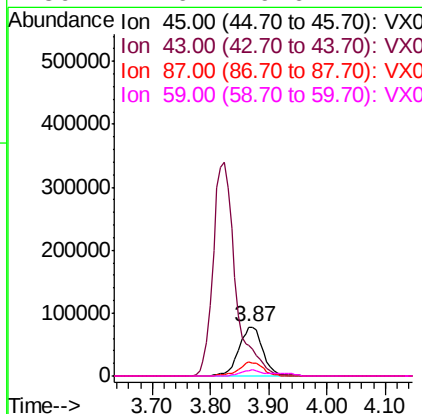
RT: 3.87 min Scan# 445

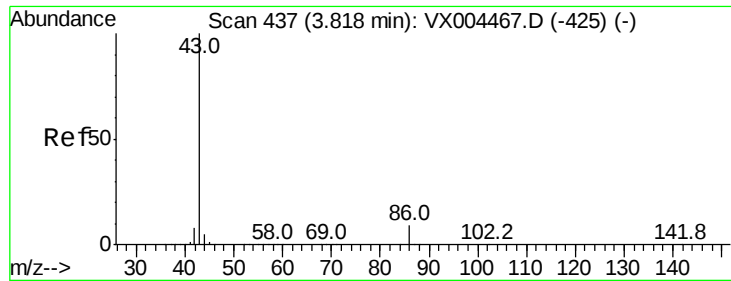
Delta R.T. -0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Tgt Ion:	45	Resp:	221799
Ion	Ratio	Lower	Upper
45	100		
43	61.3	42.8	64.2
87	29.4	22.6	34.0
59	11.6	9.6	14.4





#23

Vinyl Acetate

Concen: 96.109 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion: 43 Resp: 907858

Ion Ratio Lower Upper

43 100

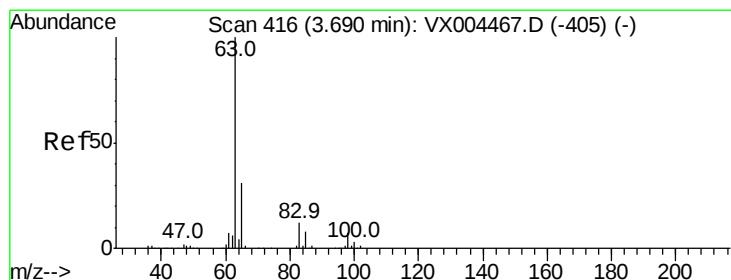
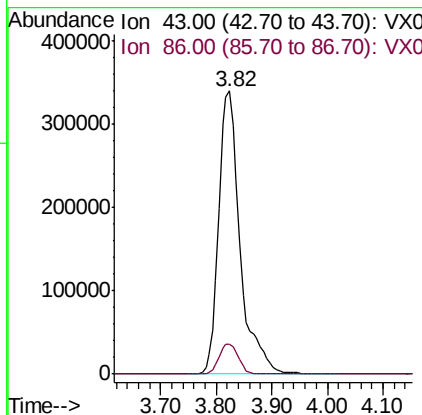
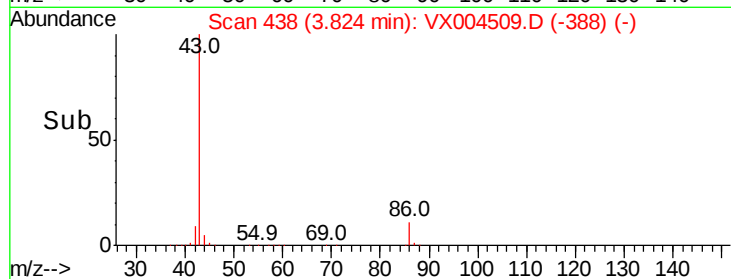
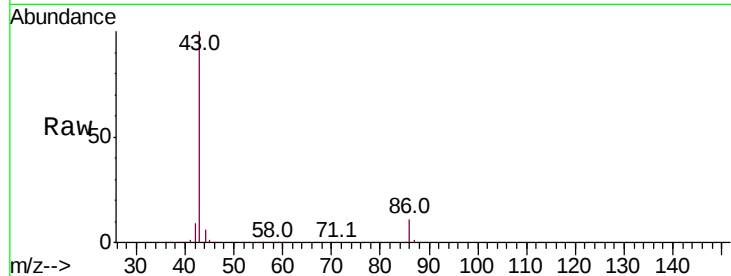
86 10.5 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 19.530 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

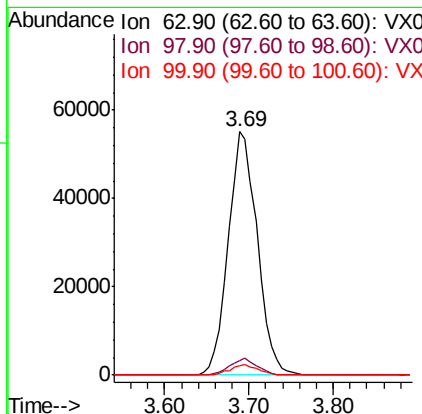
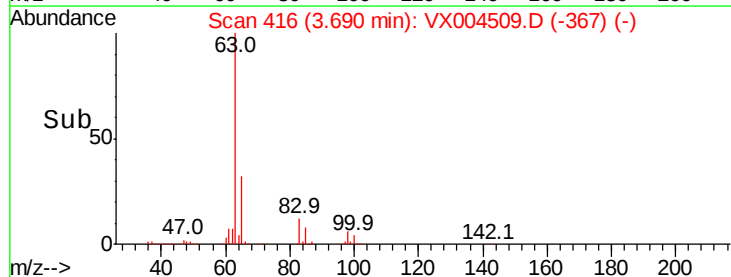
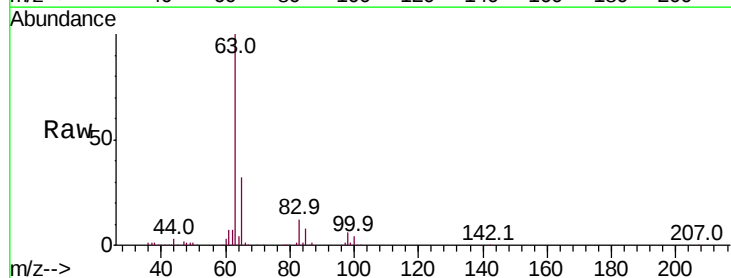
Tgt Ion: 63 Resp: 128708

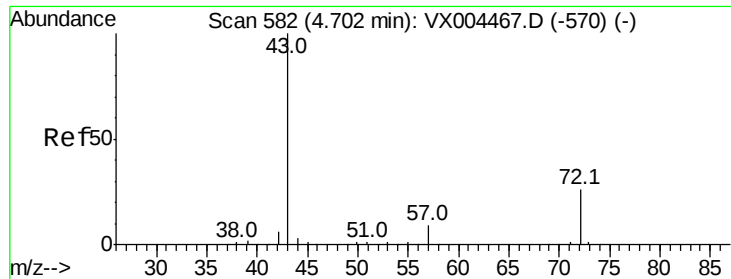
Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 86.162 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion: 43 Resp: 260366

Ion Ratio Lower Upper

43 100

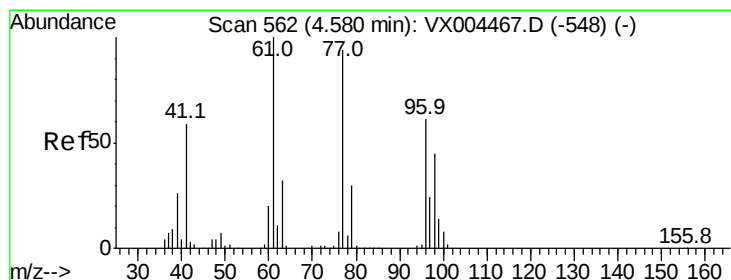
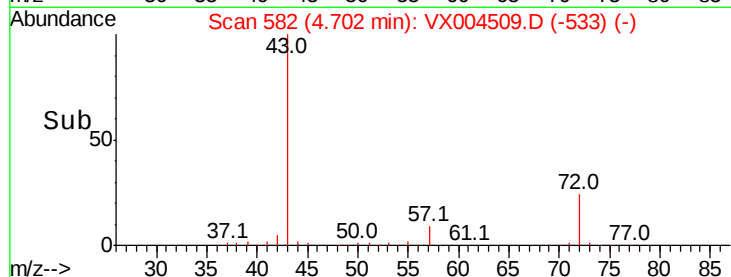
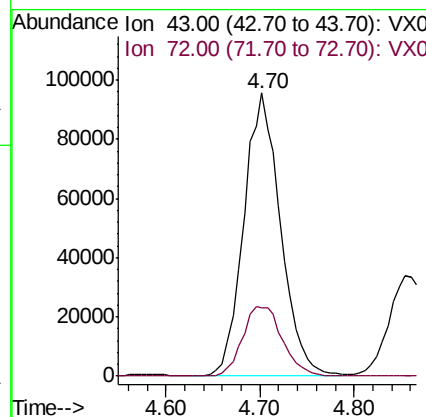
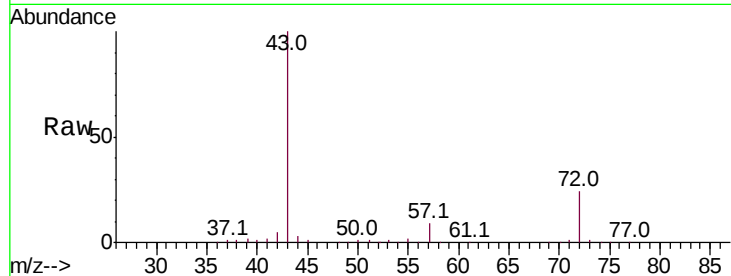
72 24.2 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.510 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004509.D

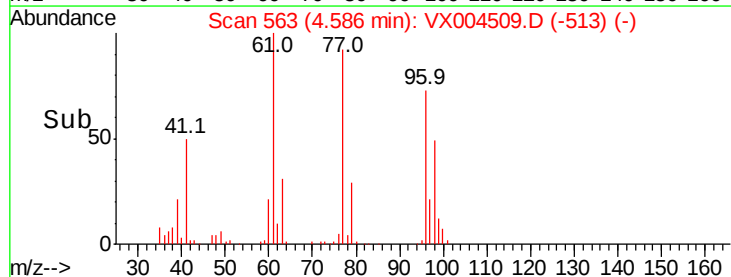
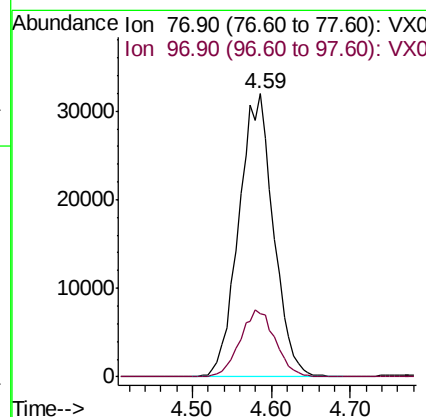
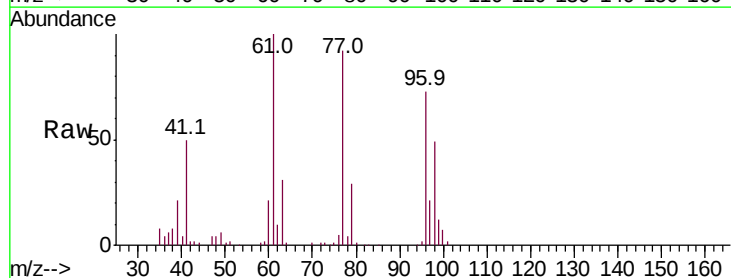
Acq: 13 Sep 2018 12:07

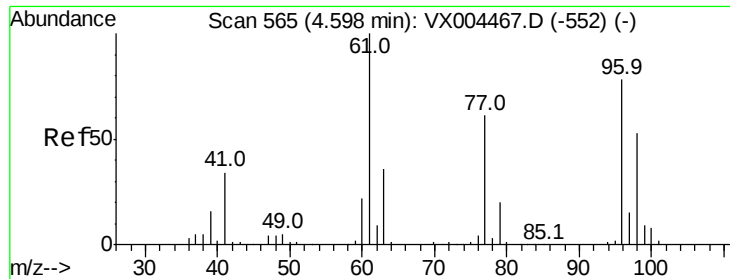
Tgt Ion: 77 Resp: 97362

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.0





#27

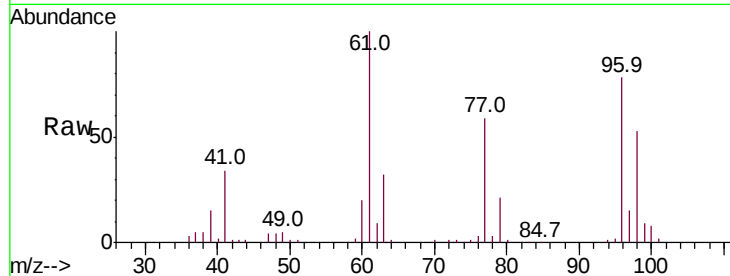
cis-1,2-Dichloroethene
Concen: 19.458 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	282.6
98	64.5	0.0	130.2

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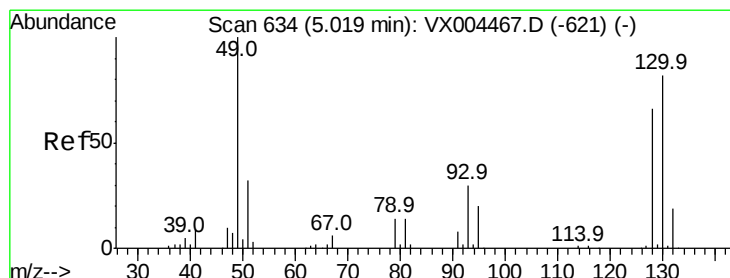
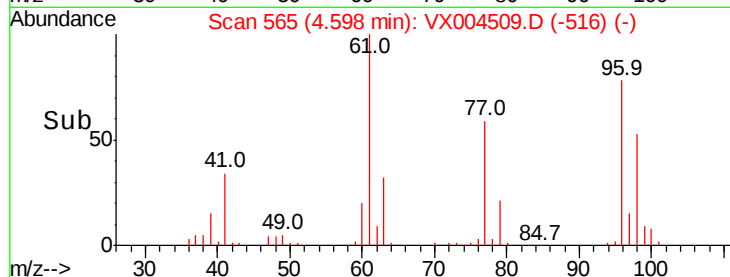
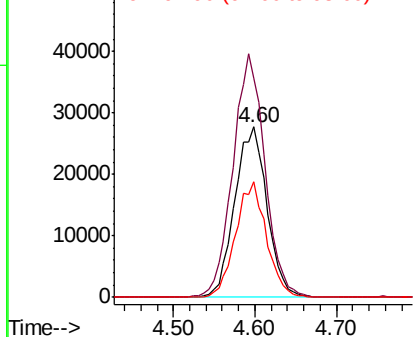


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

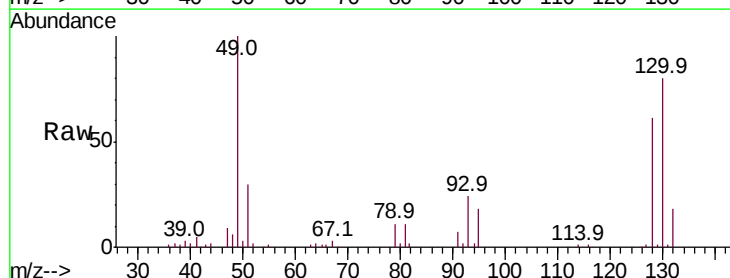
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 19.769 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	83.8	67.5	101.3

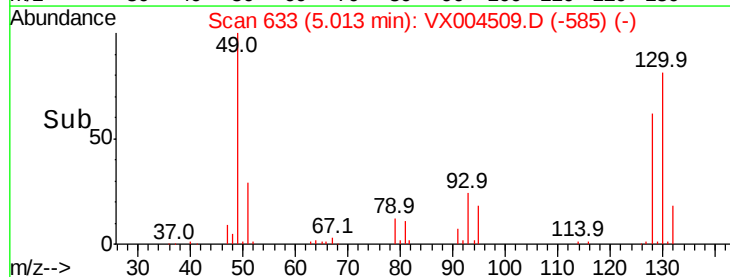
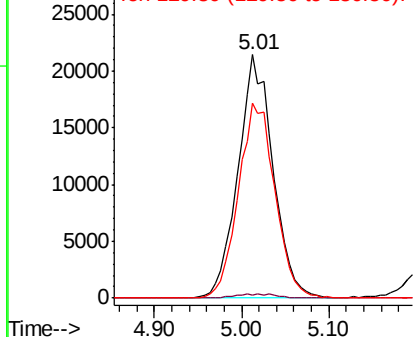


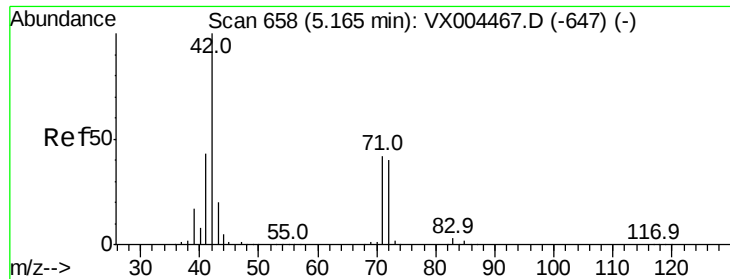
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 92.134 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

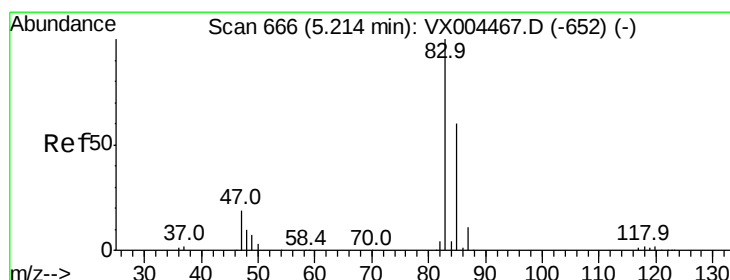
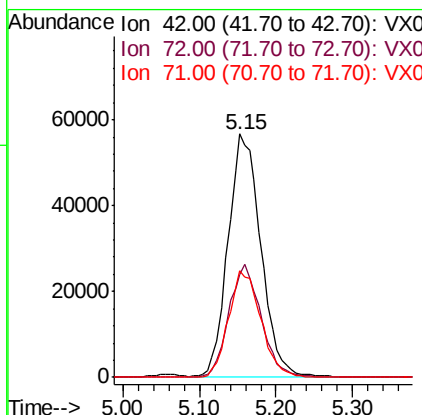
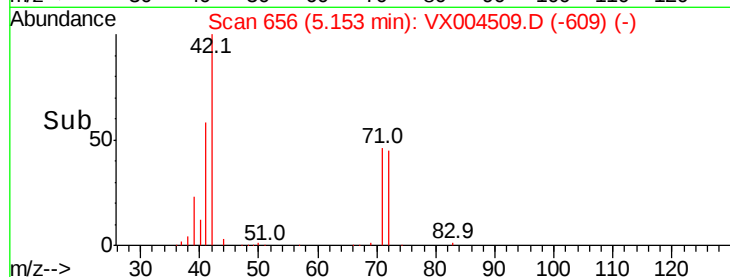
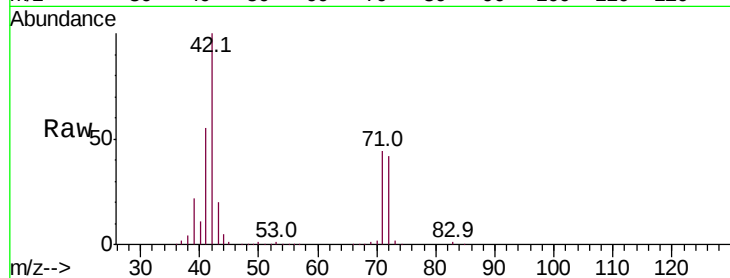
ClientSampleId :

VX0913WBS01

Tot Ion:	42	Resp:	167901
Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.4	56.0
71	43.4	34.5	51.7

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#30

Chloroform

Concen: 19.120 ug/l

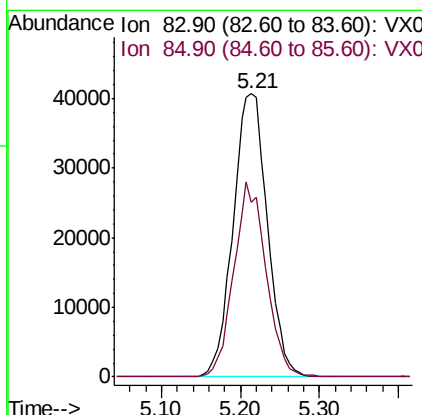
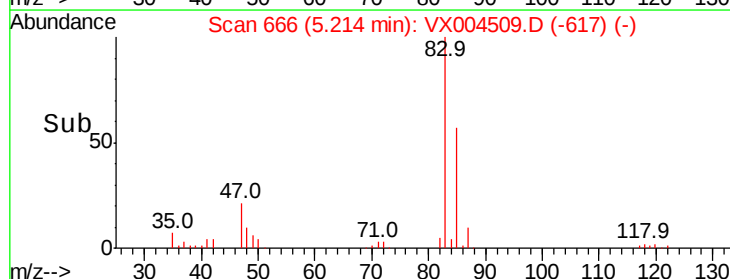
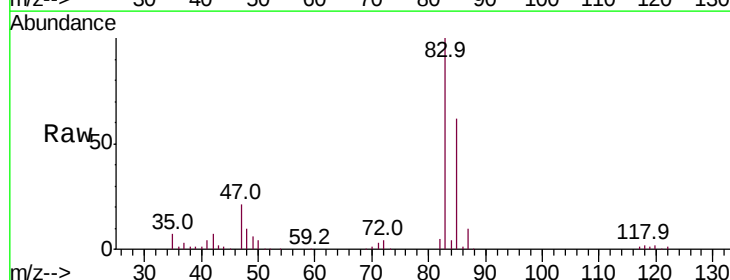
RT: 5.21 min Scan# 666

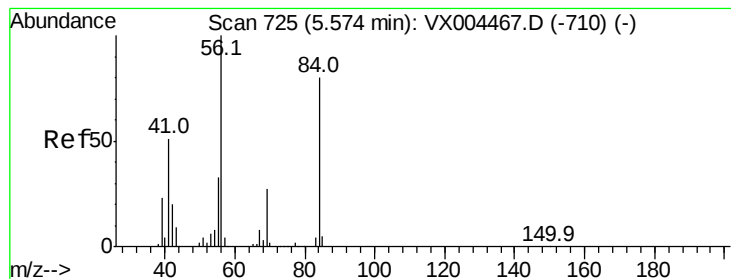
Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Tgt Ion:	83	Resp:	123020
Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.6	79.0





#31

Cyclohexane

Concen: 20.155 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

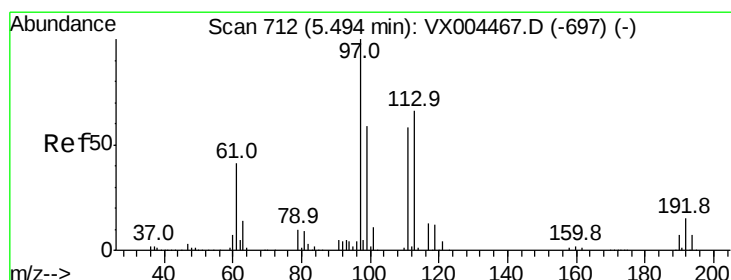
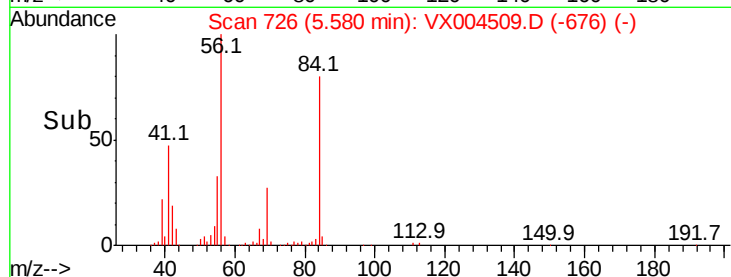
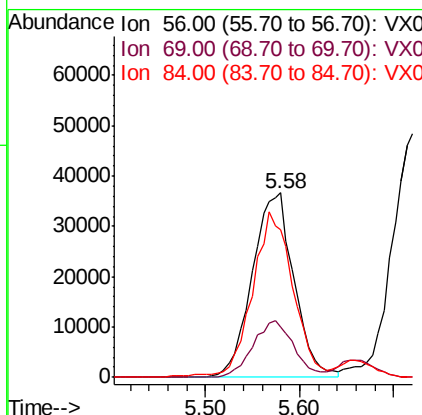
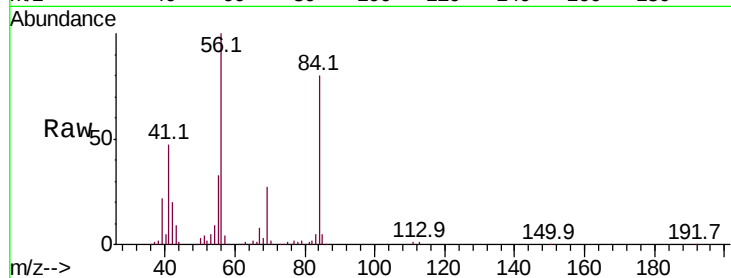
ClientSampleId :

VX0913WBS01

Tot Ion:	56	Resp:	113417
Ion	Ratio	Lower	Upper
56	100		
69	27.3	25.4	38.2
84	78.8	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 19.817 ug/l

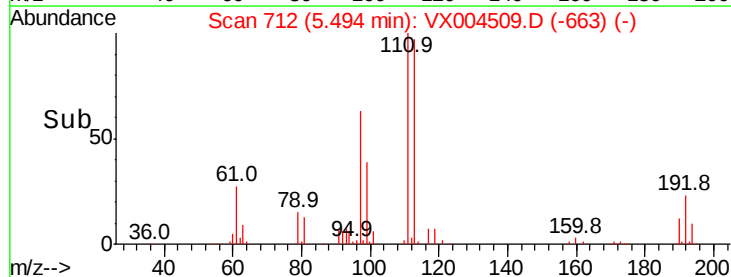
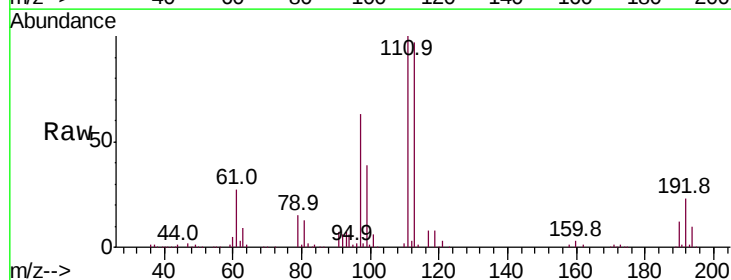
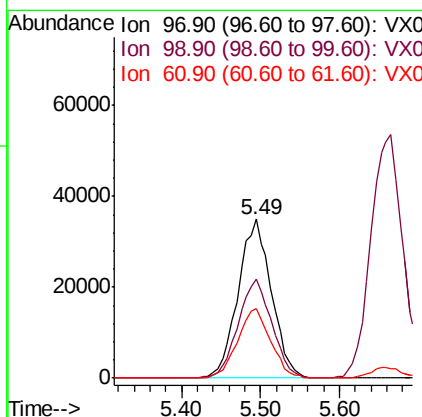
RT: 5.49 min Scan# 712

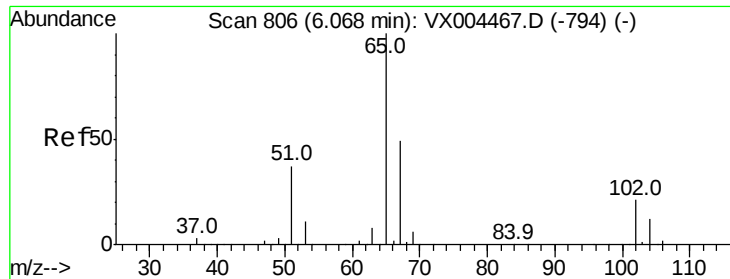
Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Tgt Ion:	97	Resp:	102694
Ion	Ratio	Lower	Upper
97	100		
99	63.0	52.0	78.0
61	43.2	34.9	52.3





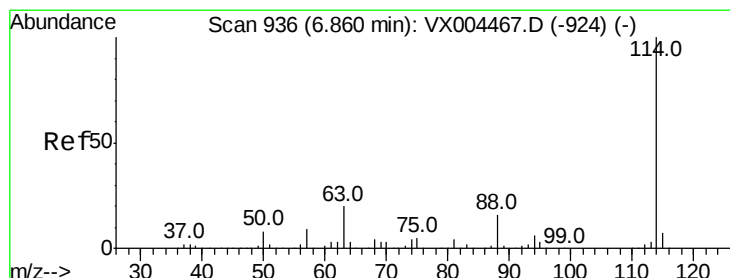
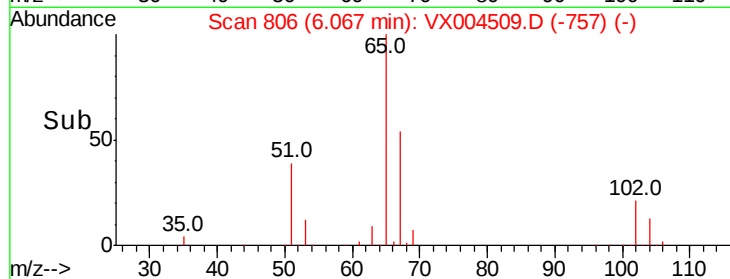
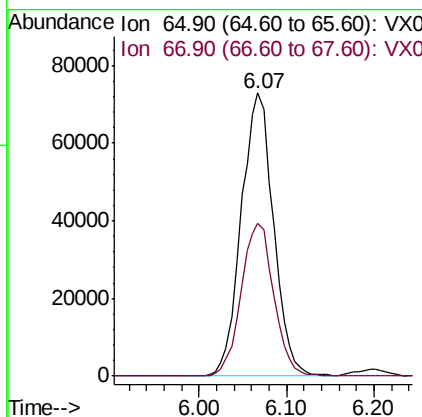
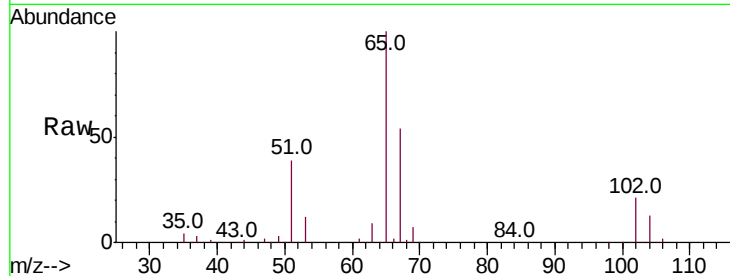
#33
 1,2-Dichloroethane-d4
 Concen: 48.084 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187055		
67	54.5	0.0	106.8	

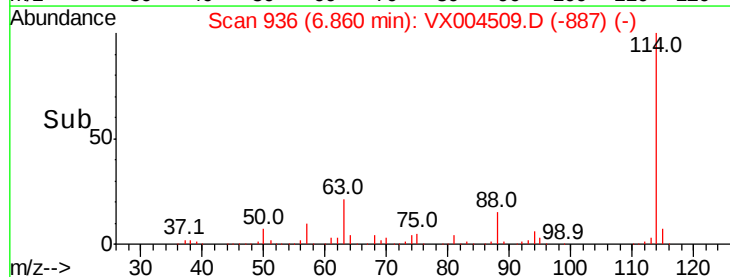
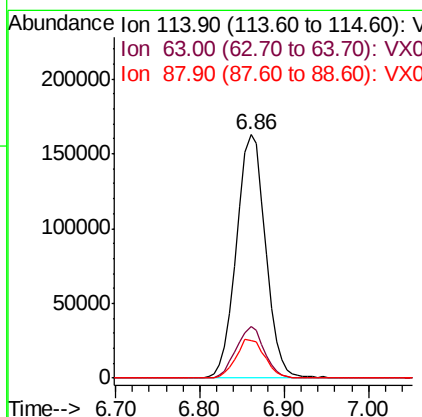
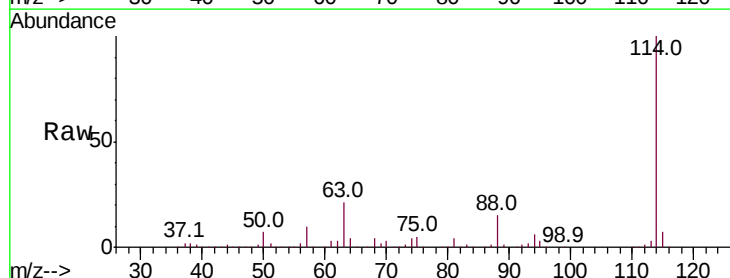
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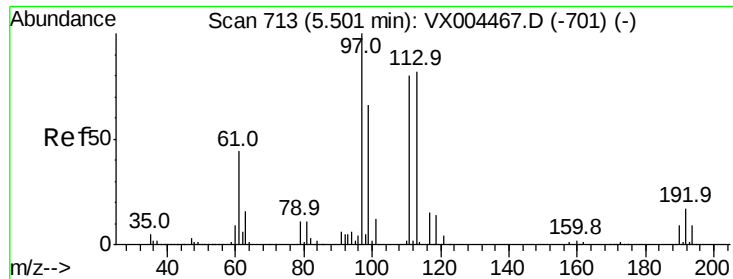
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	379315		
63	21.0	0.0	39.0	
88	15.2	0.0	30.4	





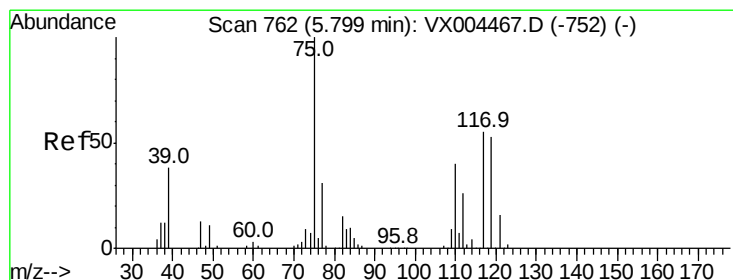
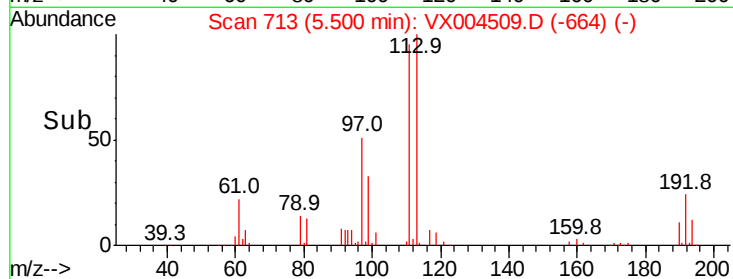
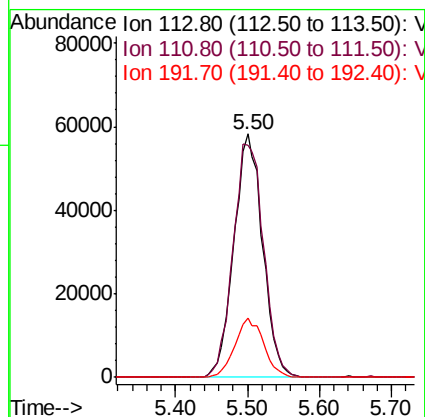
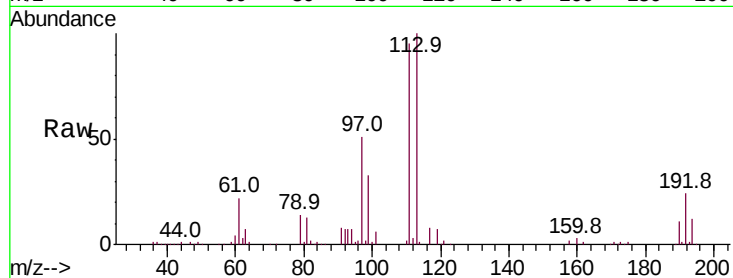
#35
 Dibromofluoromethane
 Concen: 46.460 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	161267		
111	102.4	82.4	123.6	
192	24.3	19.4	29.2	

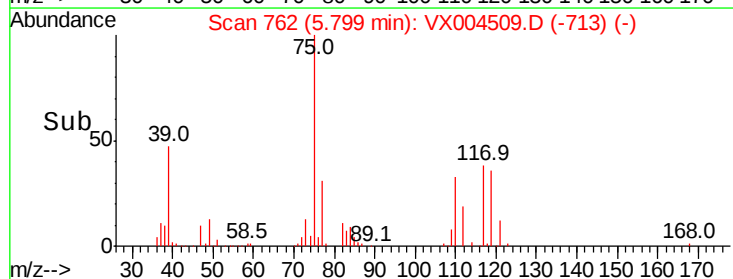
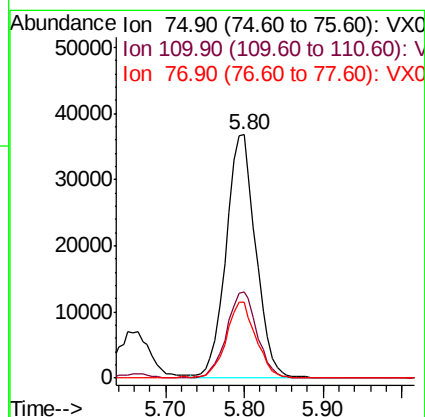
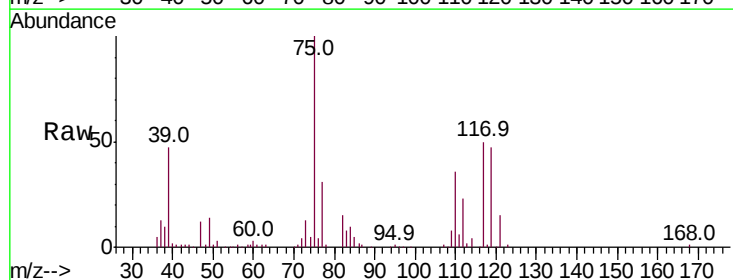
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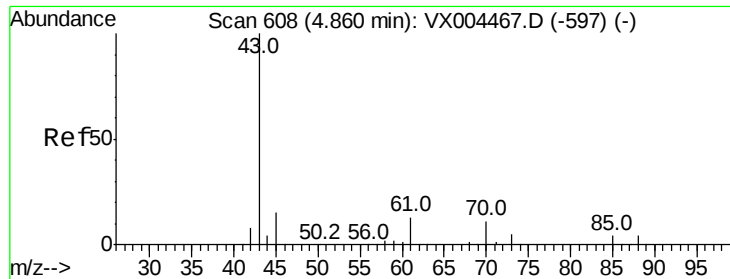
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#36
 1,1-Dichloropropene
 Concen: 21.035 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	96866		
110	36.2	18.0	54.0	
77	31.7	24.6	36.8	





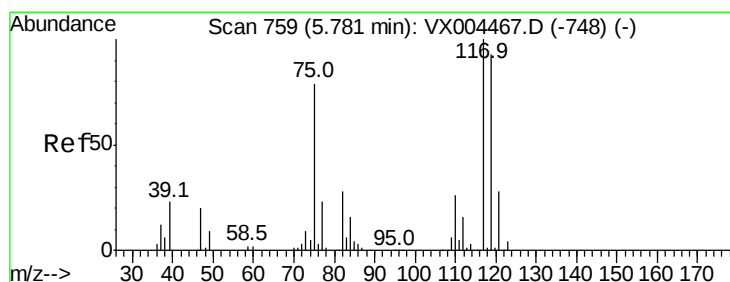
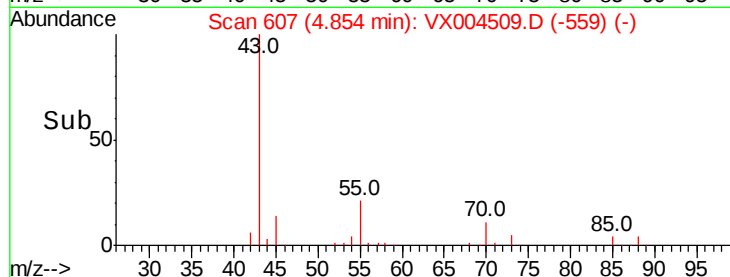
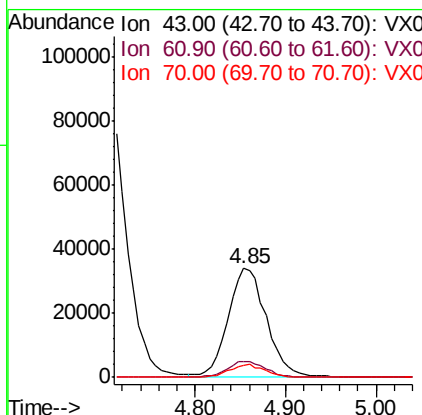
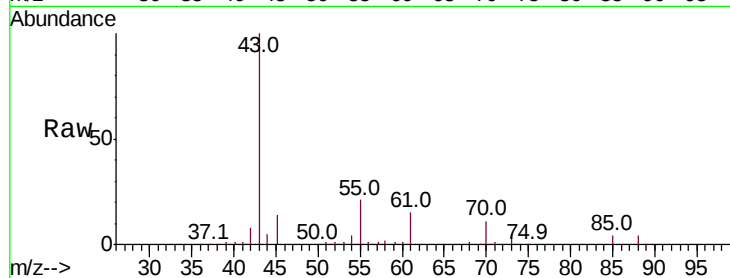
#37
Ethyl Acetate
Concen: 18.767 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.1	9.0	13.6

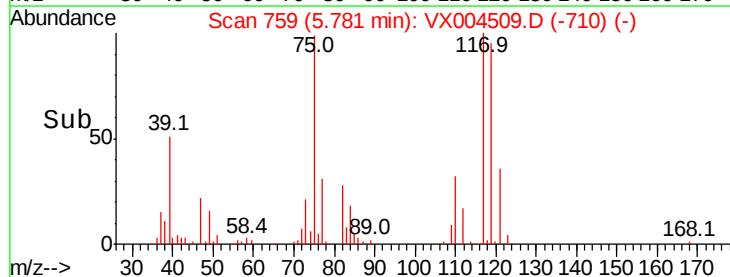
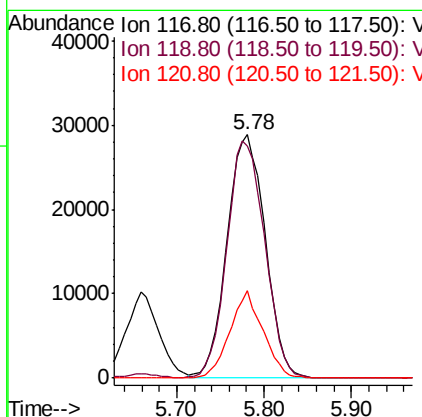
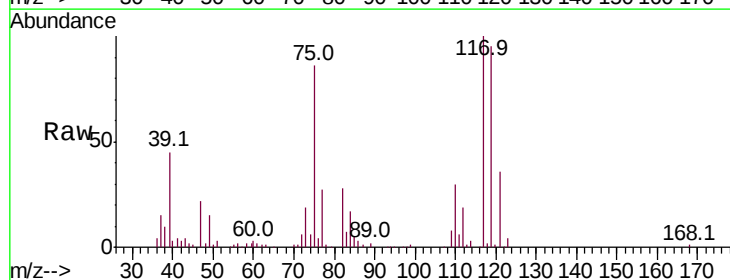
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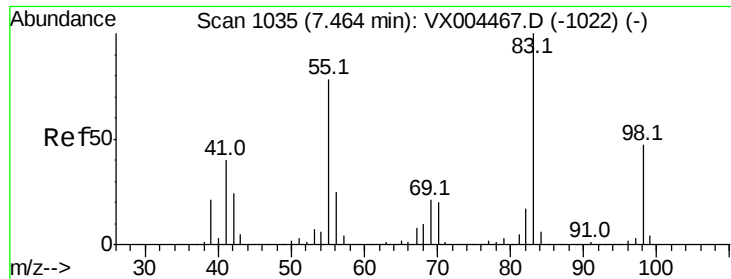
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#38
Carbon Tetrachloride
Concen: 19.475 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.8	118.2
121	35.9	24.9	37.3





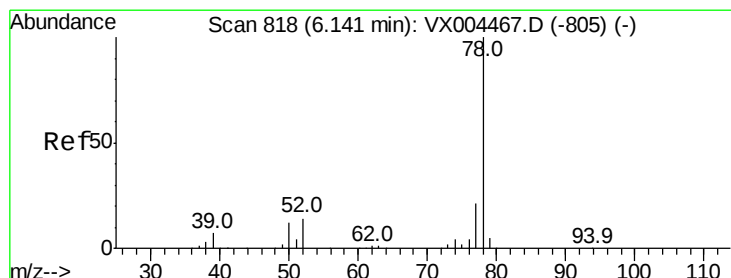
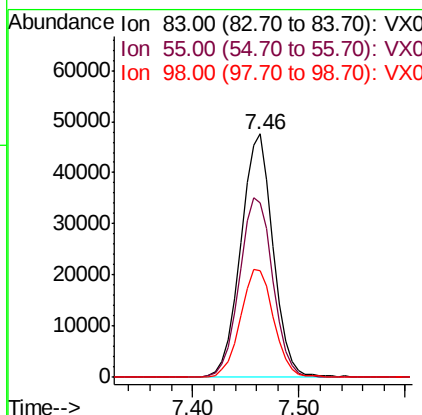
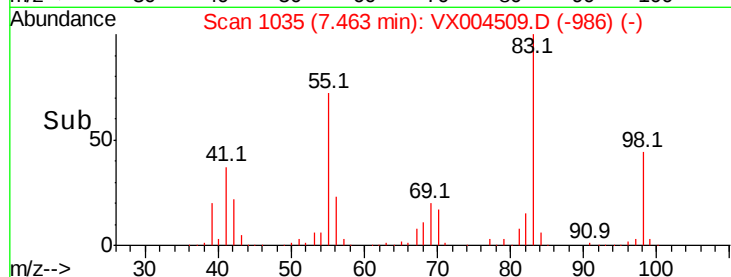
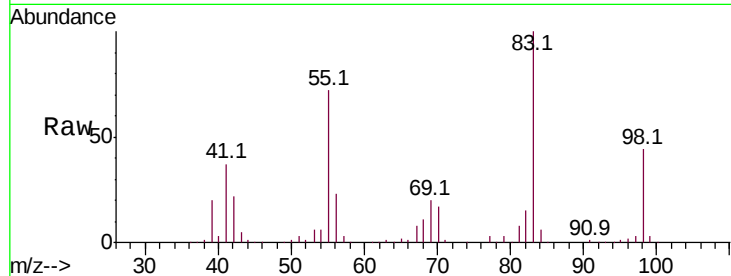
#39
Methylvlcyclohexane
Concen: 21.108 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	61.0	91.4
98	43.6	39.6	59.4

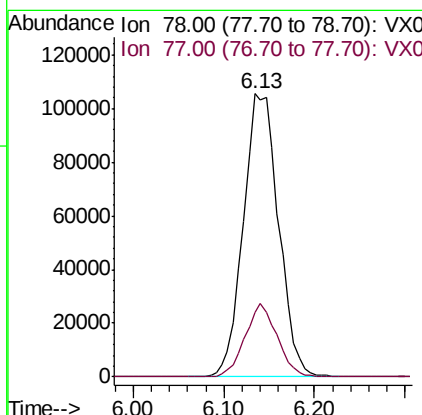
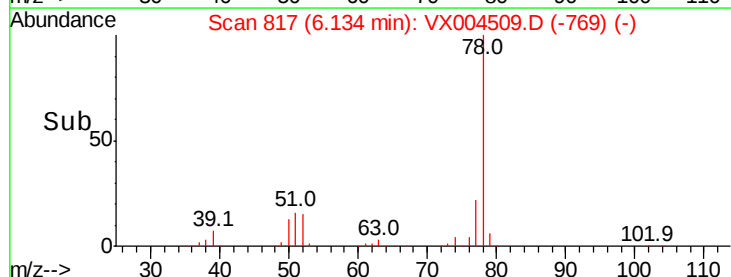
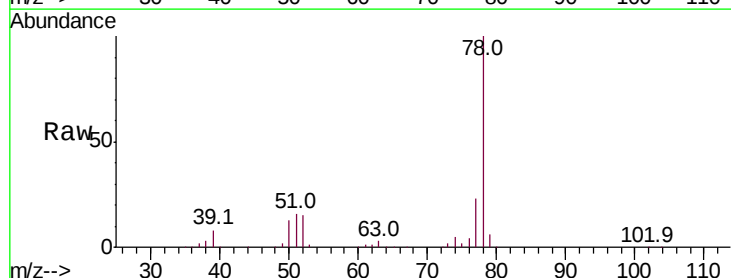
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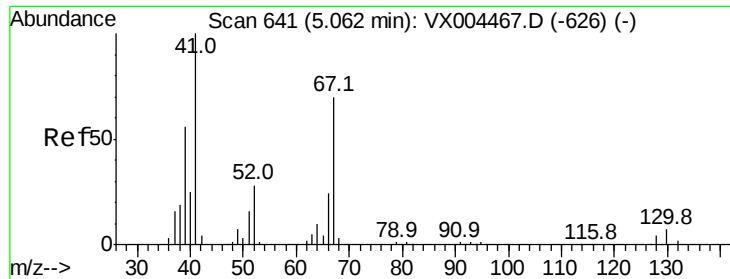
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#40
Benzene
Concen: 20.822 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.4





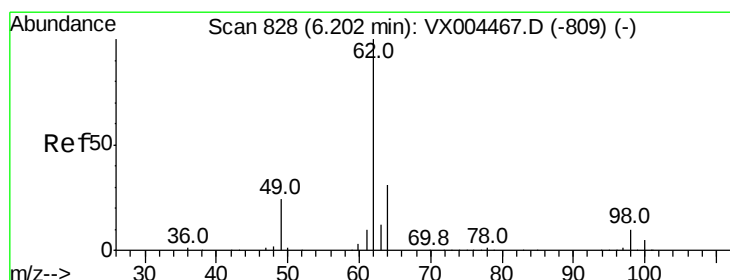
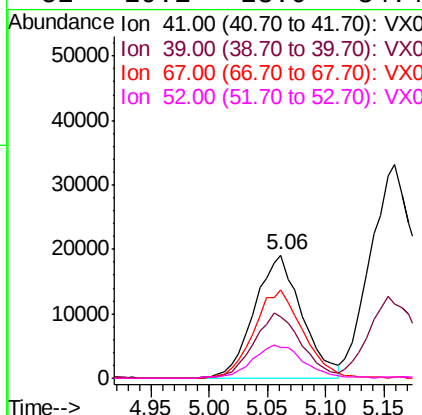
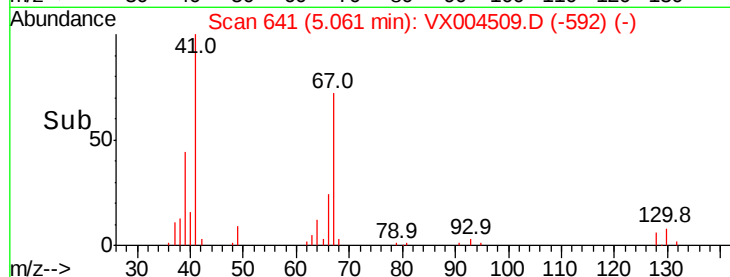
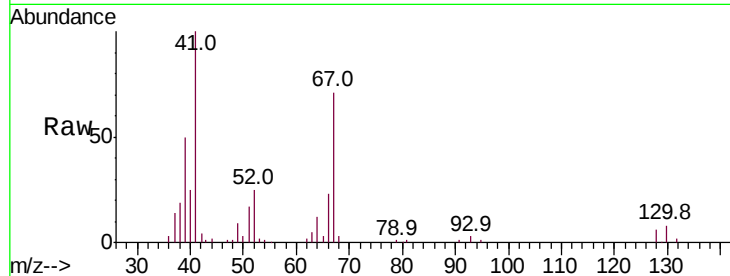
#41
Methacrylonitrile
Concen: 18.856 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	42.4	63.6	
67	73.6	59.2	88.8	
52	29.1	23.0	34.4	

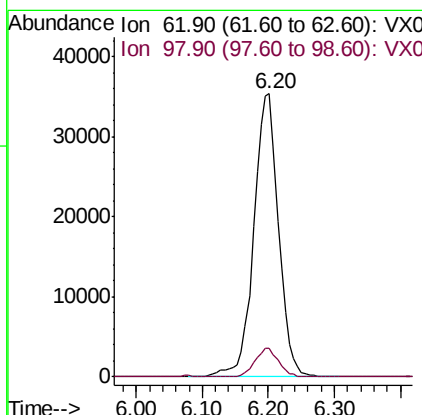
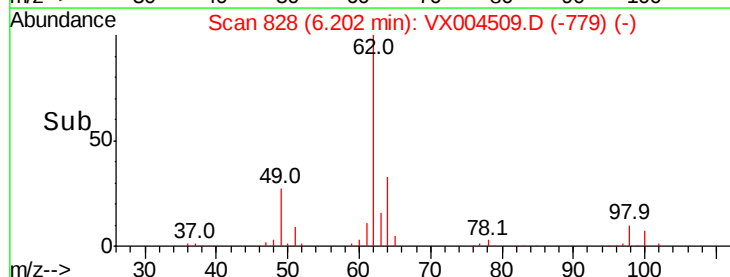
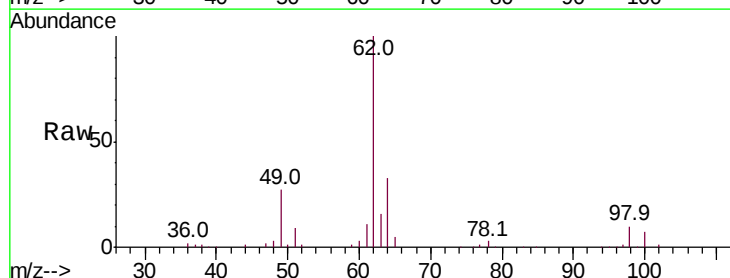
Manual Integrations
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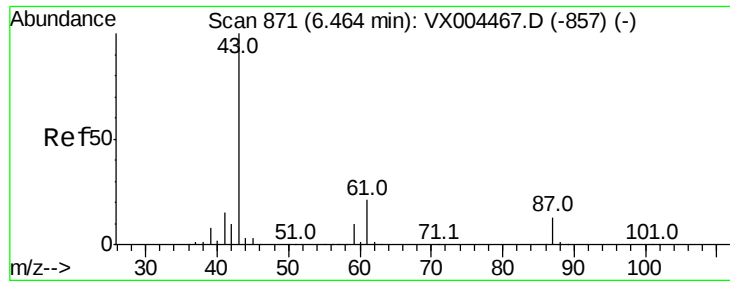
MMDadoda
9/15/2018 11:23:43 AM



#42
1,2-Dichloroethane
Concen: 20.336 ug/l
RT: 6.20 min Scan# 828
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.6	





#43

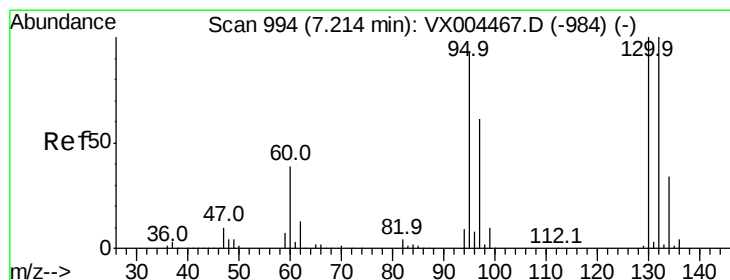
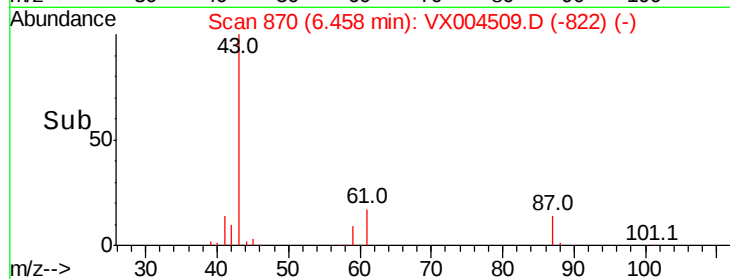
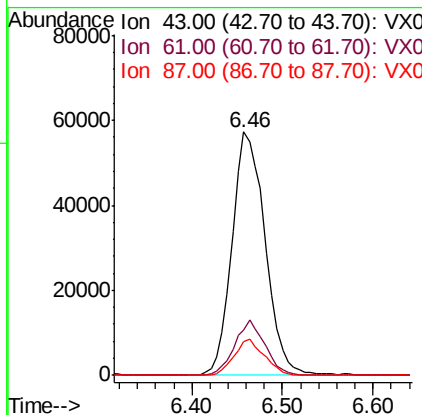
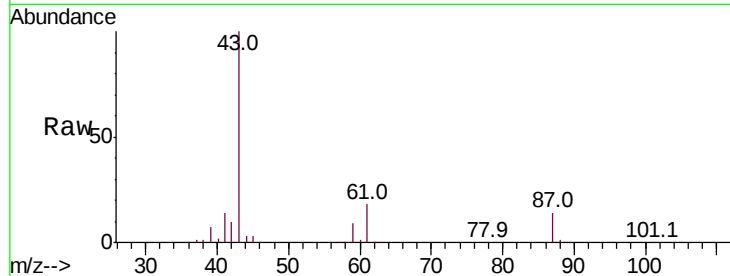
Isopropyl Acetate
 Concen: 20.848 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.0	25.4
87	13.7	11.4	17.2

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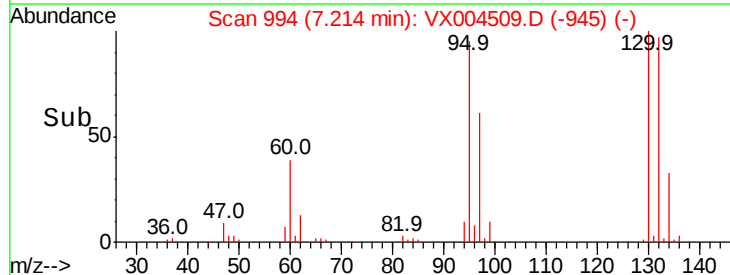
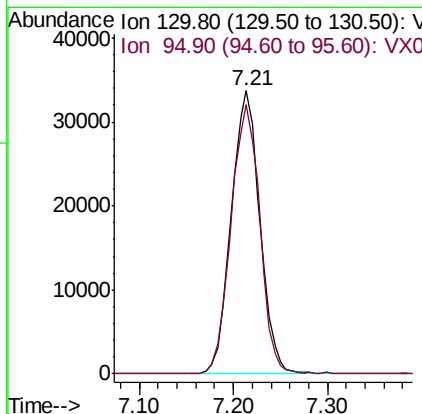
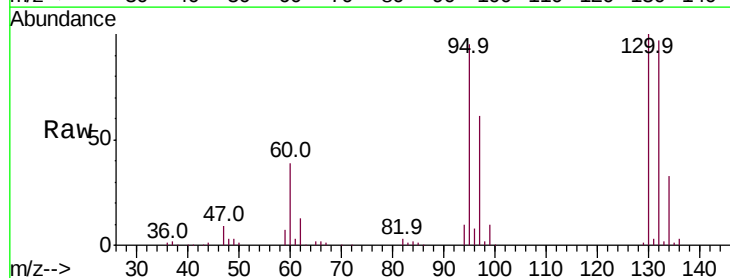
MMDadoda
 9/15/2018 11:23:43 AM

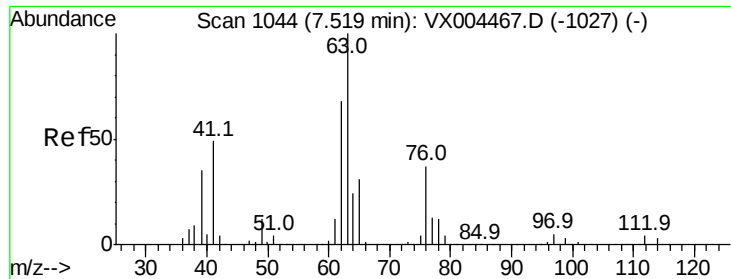


#44

Trichloroethene
 Concen: 20.022 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.414 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion: 63 Resp: 63829

Ion Ratio Lower Upper

63 100

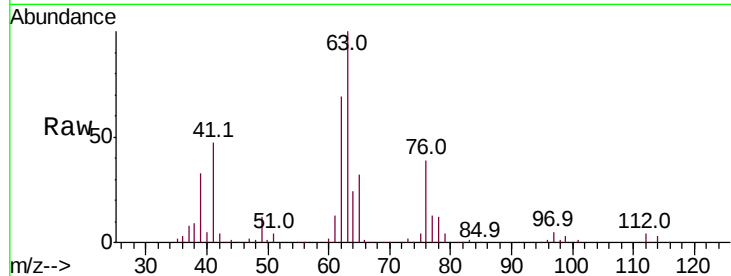
65 31.4 24.3 36.5

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

30000

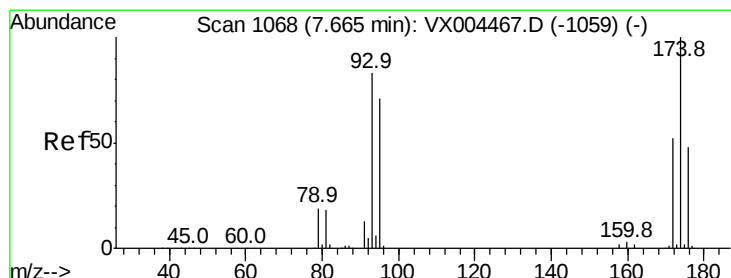
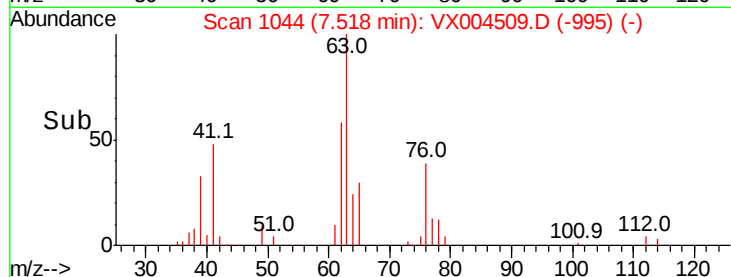
20000

10000

0

7.45 7.50 7.55 7.60

Time-->



#46

Dibromomethane

Concen: 19.404 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

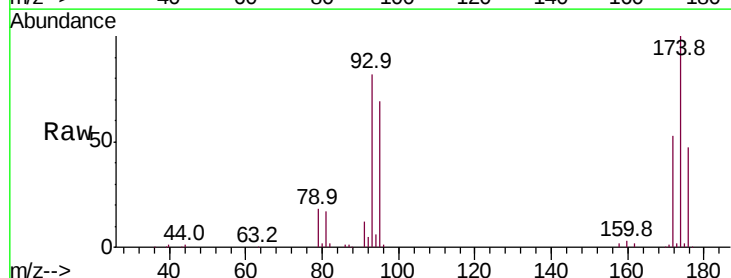
Tgt Ion: 93 Resp: 40304

Ion Ratio Lower Upper

93 100

95 83.5 65.5 98.3

174 118.4 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

7.66

30000

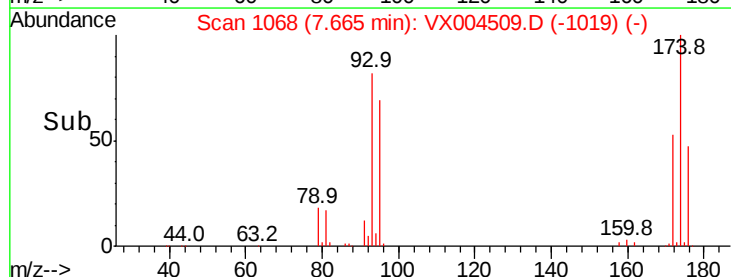
20000

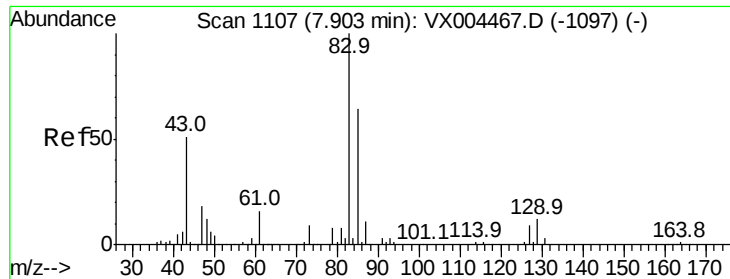
10000

0

7.55 7.60 7.65 7.70 7.75

Time-->





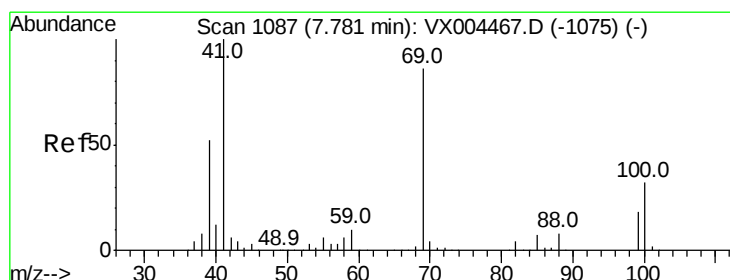
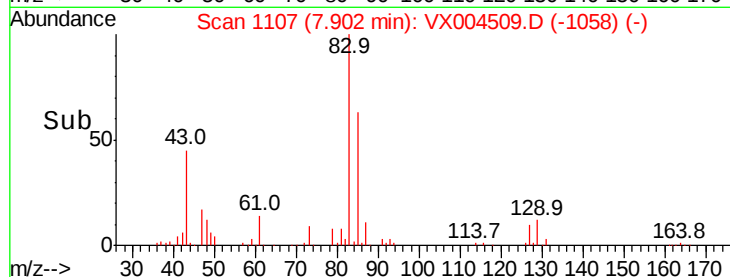
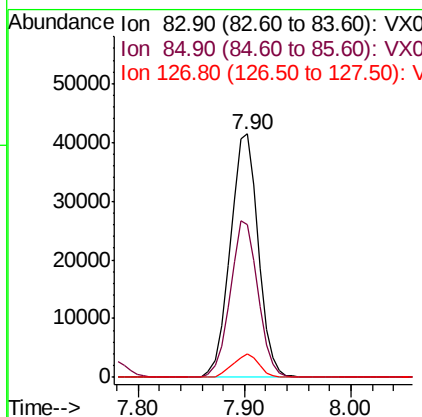
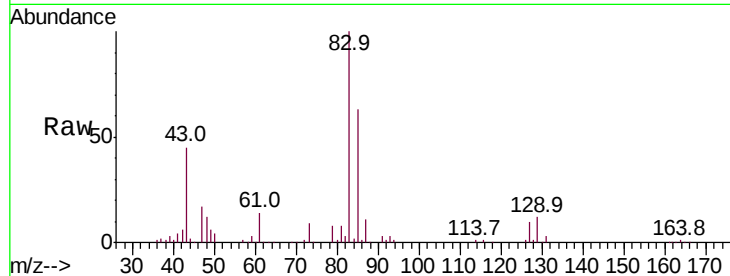
#47
Bromodichloromethane
Concen: 19.461 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.9	76.3
127	9.5	7.3	10.9

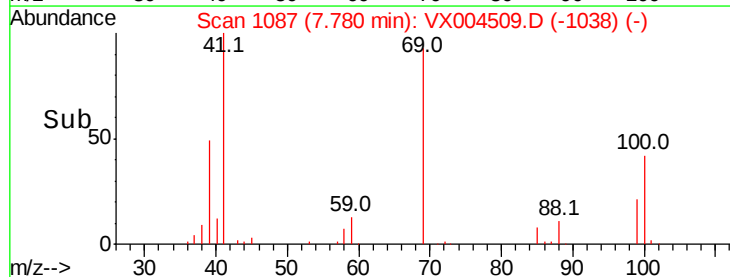
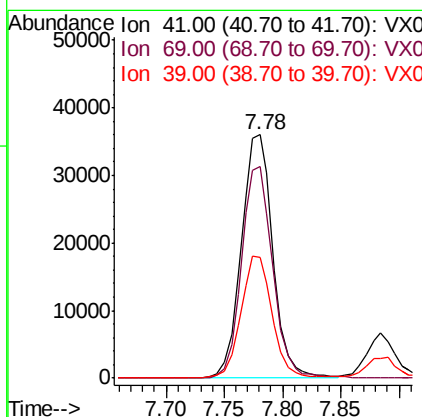
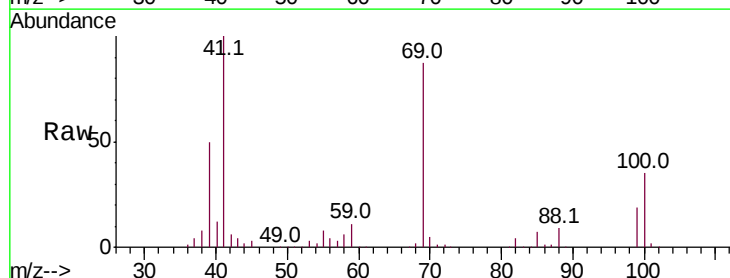
Manual Integrations
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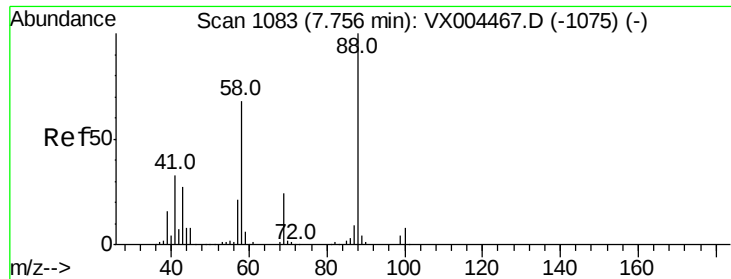
MMDadoda
9/15/2018 11:23:43 AM



#48
Methyl methacrylate
Concen: 19.535 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.0	70.2	105.4
39	50.4	42.7	64.1





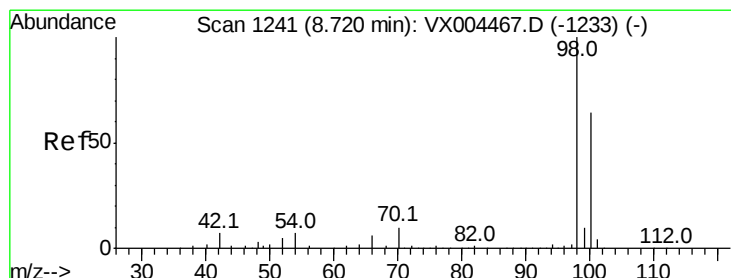
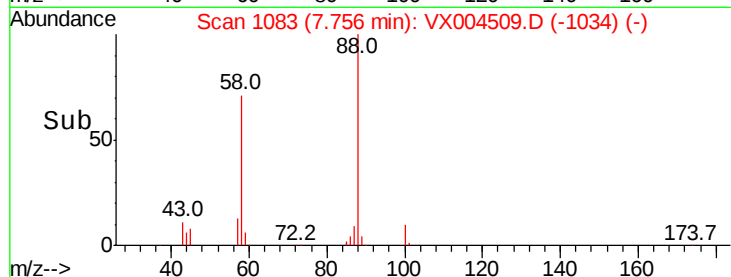
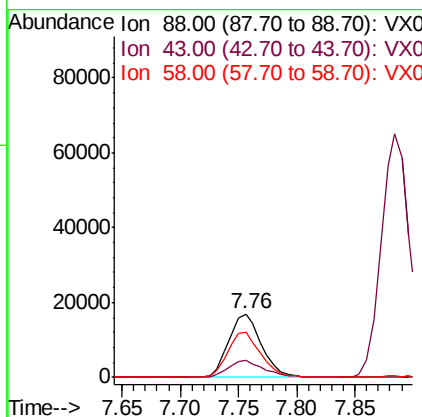
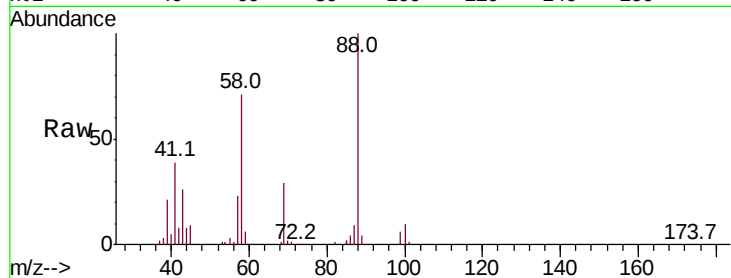
#49
1,4-Dioxane
Concen: 407.579 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	24.7	37.1
58	72.3	55.3	82.9

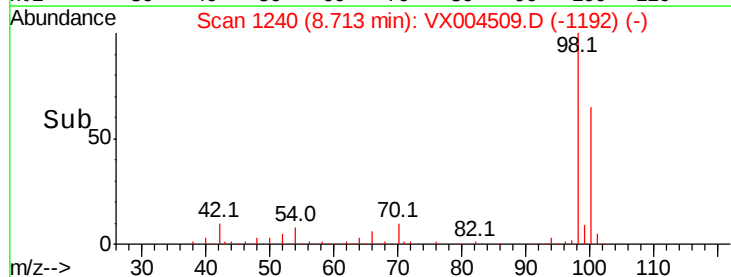
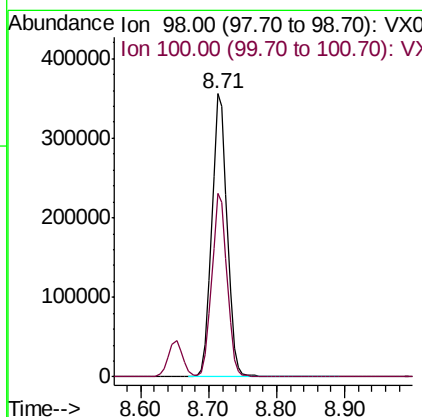
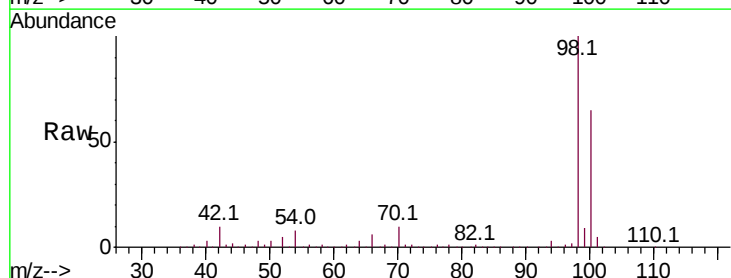
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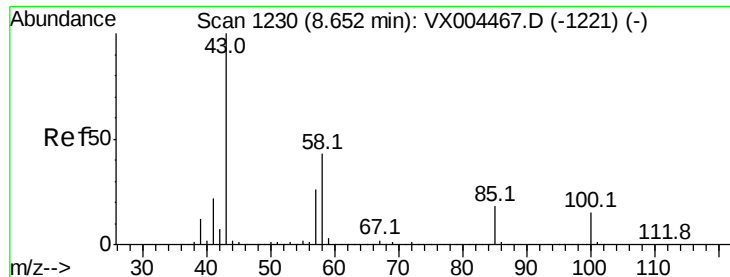
MMDadoda
9/15/2018 11:23:43 AM



#50
Toluene-d8
Concen: 47.766 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.9	79.3





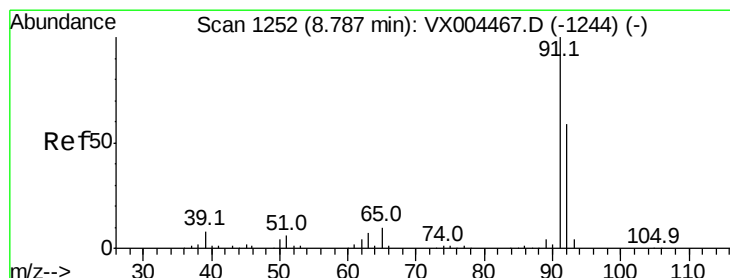
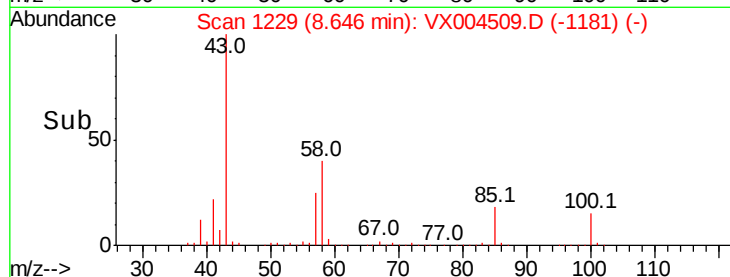
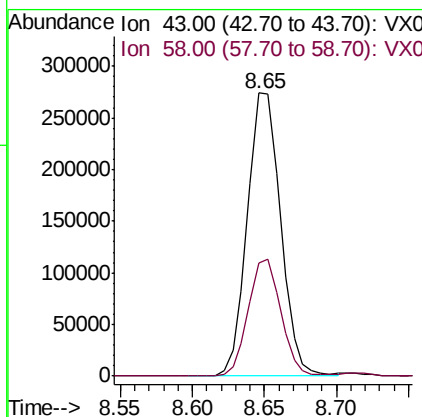
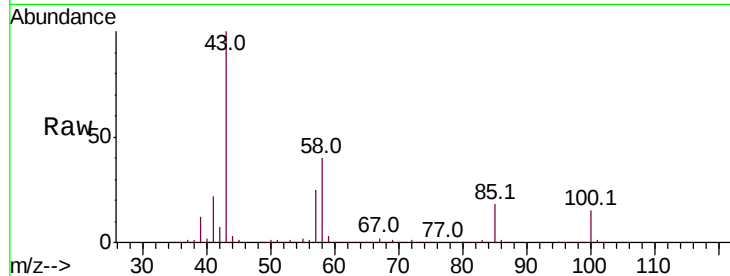
#51
4-Methyl-2-Pentanone
Concen: 89.380 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion: 43 Resp: 438786
Ion Ratio Lower Upper
43 100
58 40.5 33.1 49.7

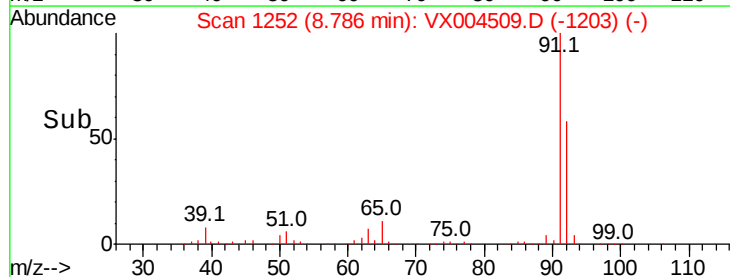
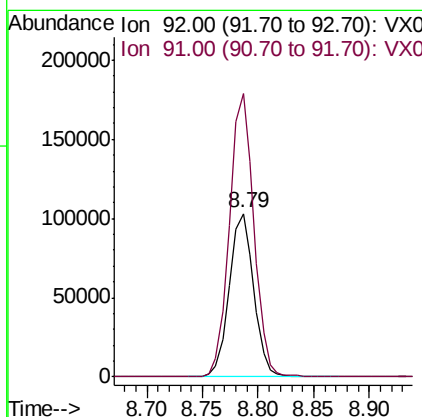
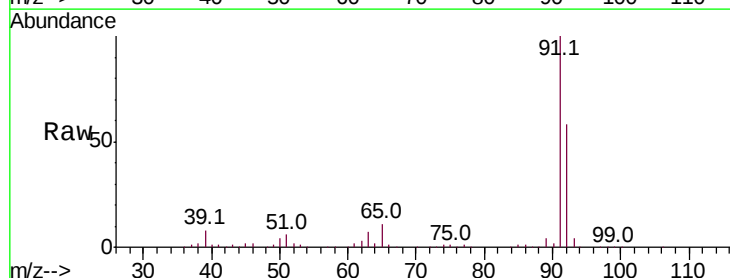
Manual Integrations
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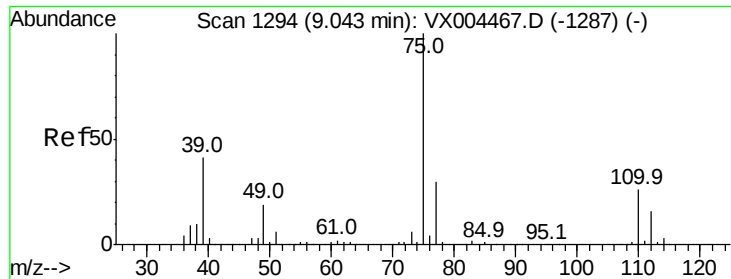
MMDadoda
9/15/2018 11:23:43 AM



#52
Toluene
Concen: 19.503 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion: 92 Resp: 157000
Ion Ratio Lower Upper
92 100
91 173.6 136.4 204.6





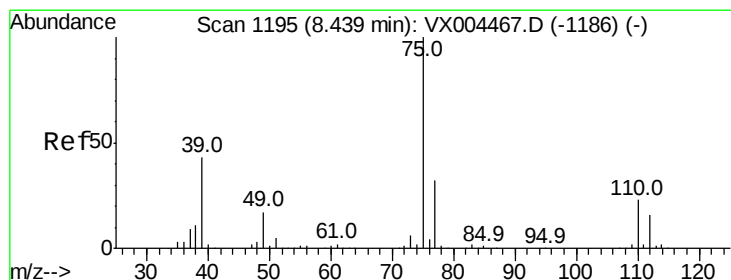
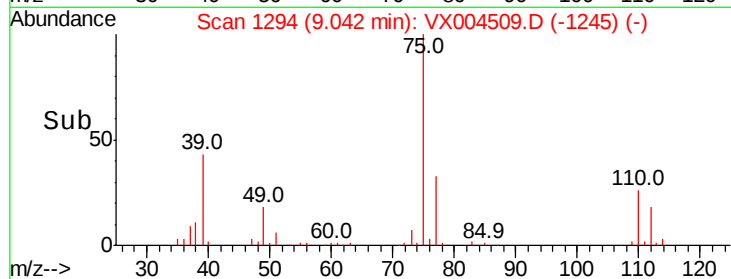
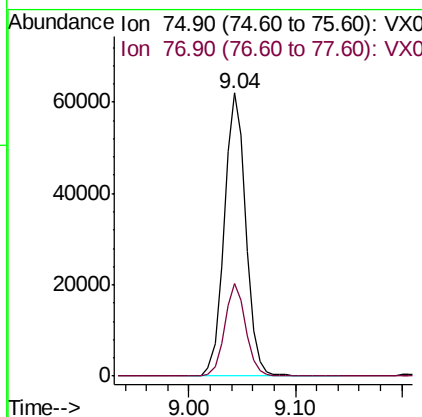
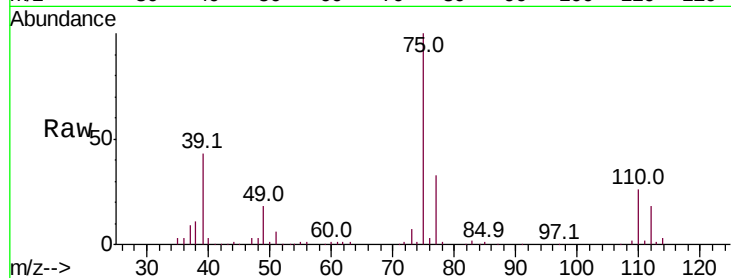
#53
t-1,3-Dichloropropene
Concen: 19.146 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	87851		
77	32.8	24.6	37.0	

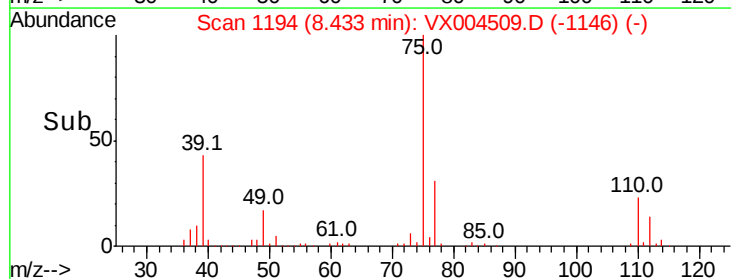
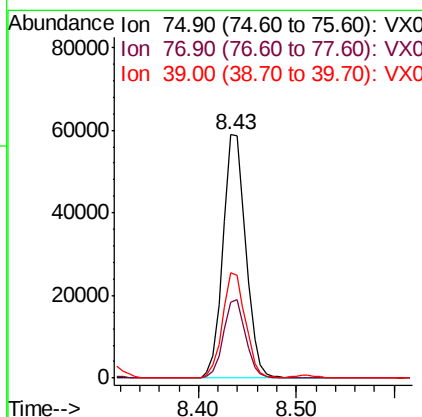
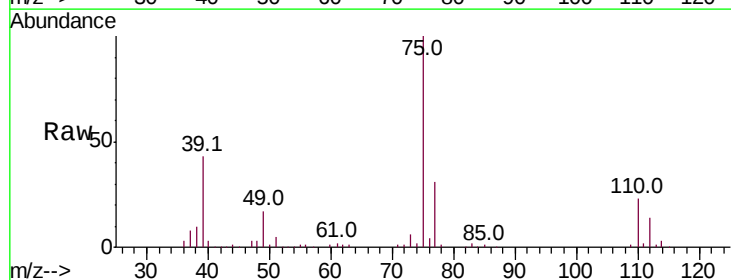
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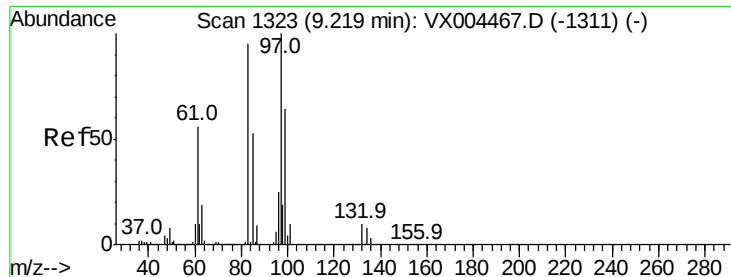
MMDadoda
9/15/2018 11:23:43 AM



#54
cis-1,3-Dichloropropene
Concen: 20.416 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95491		
77	31.2	26.2	39.2	
39	43.4	36.4	54.6	





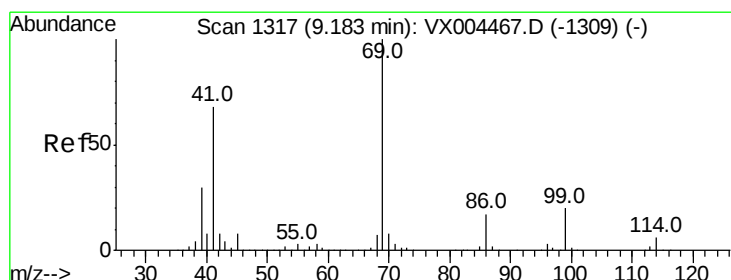
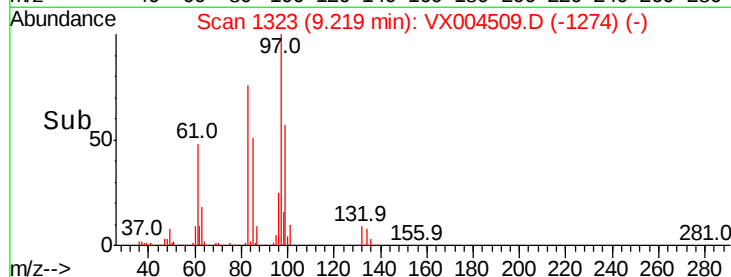
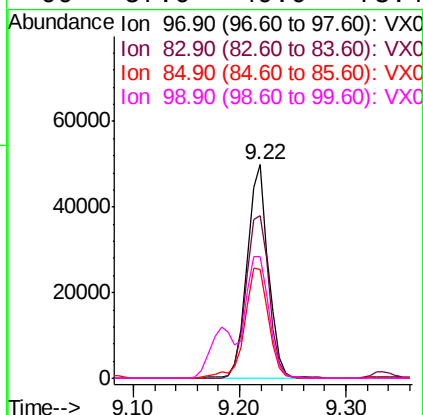
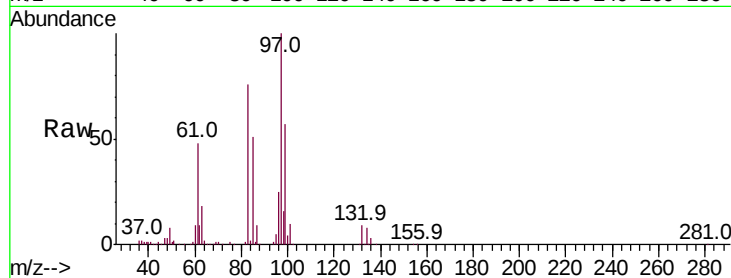
#55
 1,1,2-Trichloroethane
 Concen: 20.144 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	76.3	66.4	99.6
85	51.0	43.3	64.9
99	57.0	49.0	73.4

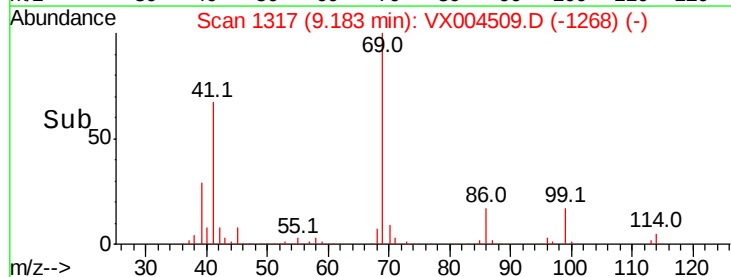
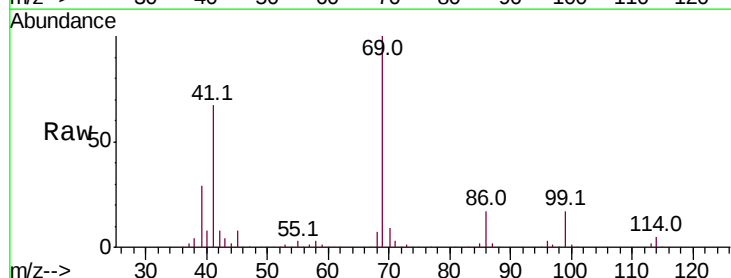
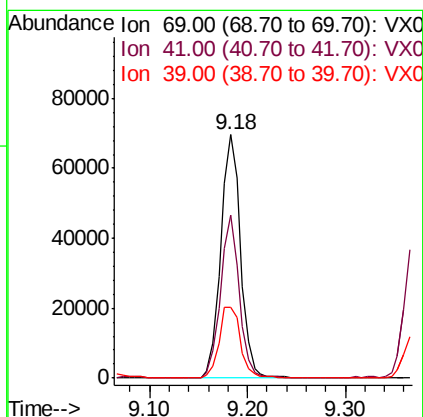
Manual Integrations
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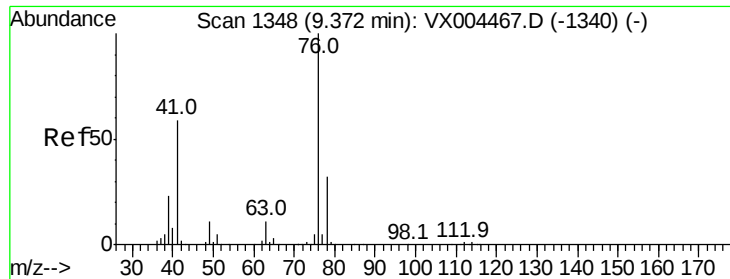
MMDadoda
 9/15/2018 11:23:43 AM



#56
 Ethyl methacrylate
 Concen: 19.929 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.0	76.4
39	31.0	26.1	39.1





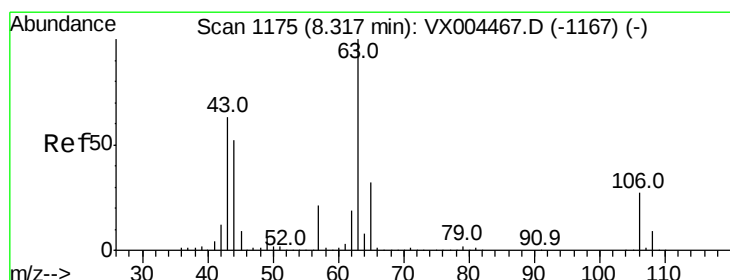
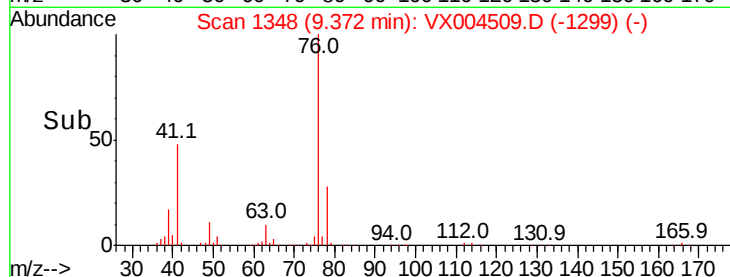
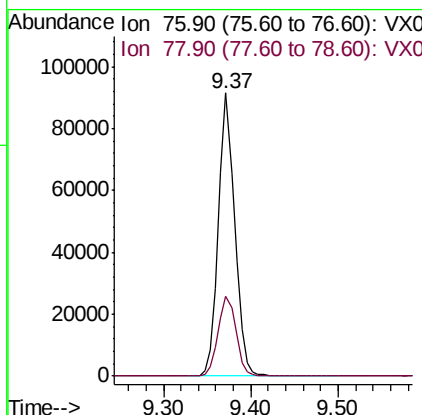
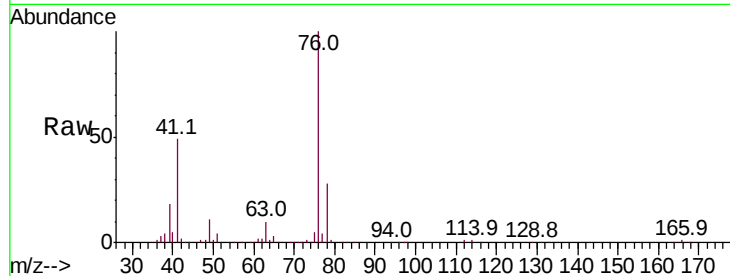
#57
 1,3-Dichloropropane
 Concen: 20.896 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBS01

Tot Ion: 76 Resp: 117684
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.5 38.3

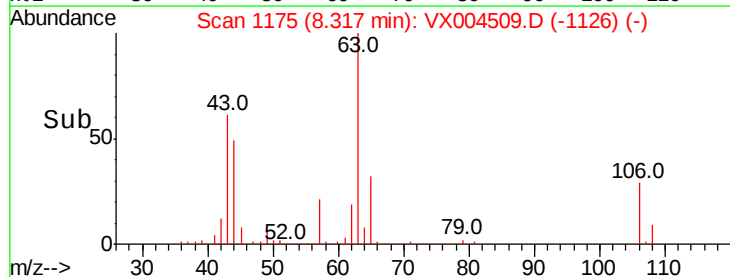
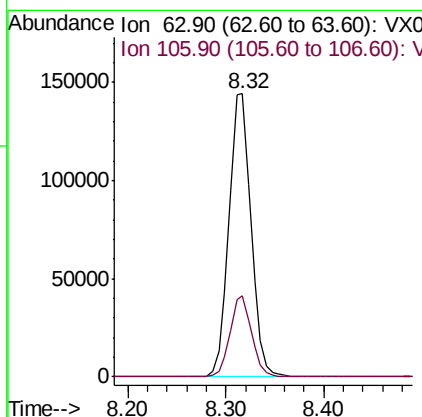
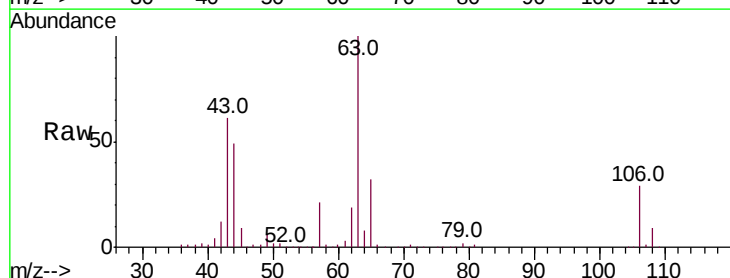
Manual Integrations
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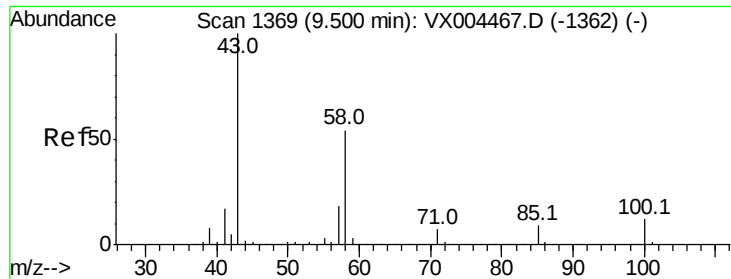
MMDadoda
 9/15/2018 11:23:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.089 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Tgt Ion: 63 Resp: 225971
 Ion Ratio Lower Upper
 63 100
 106 28.0 23.9 35.9





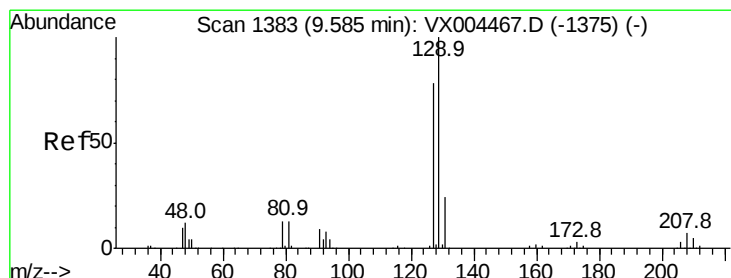
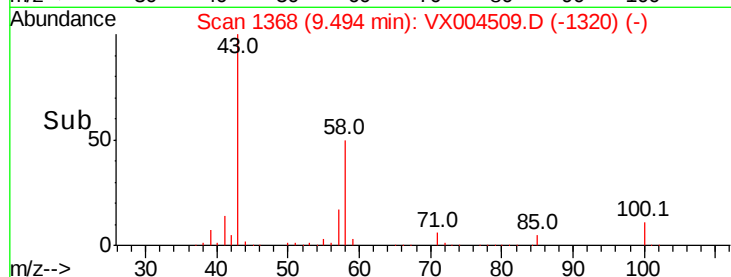
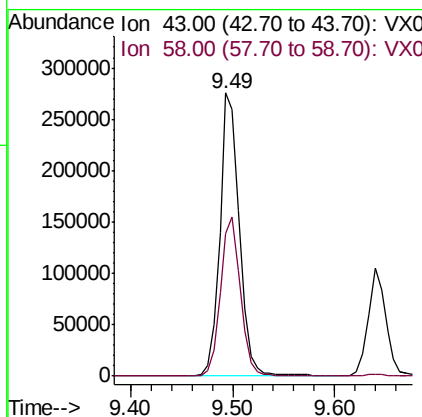
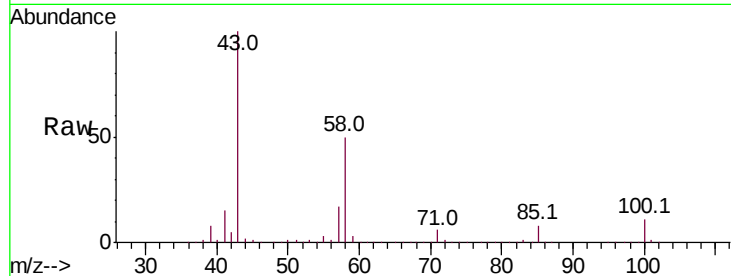
#59
2-Hexanone
Concen: 98.036 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion: 43 Resp: 369160
Ion Ratio Lower Upper
43 100
58 57.4 29.0 87.0

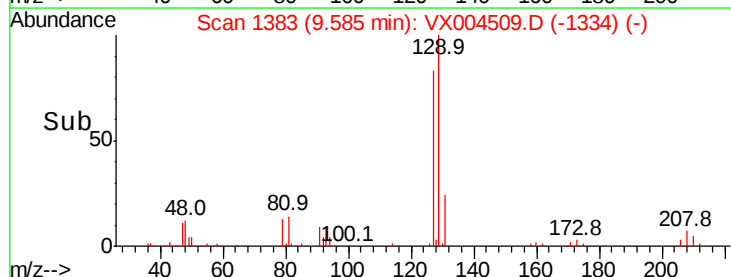
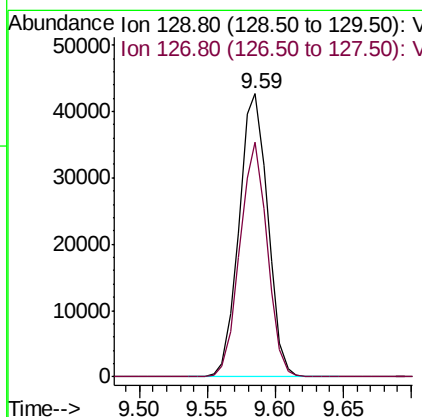
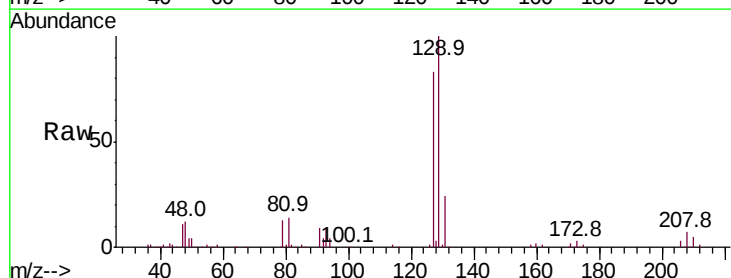
Manual Integrations
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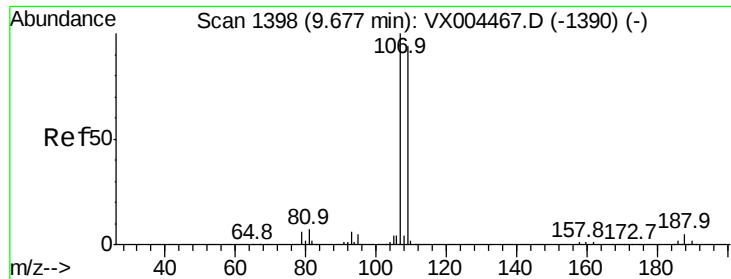
MMDadoda
9/15/2018 11:23:43 AM



#60
Dibromochloromethane
Concen: 19.318 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion: 129 Resp: 63040
Ion Ratio Lower Upper
129 100
127 78.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.882 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion:107 Resp: 65833

Ion Ratio Lower Upper

107 100

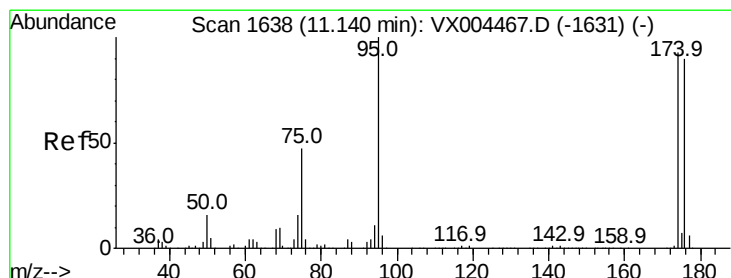
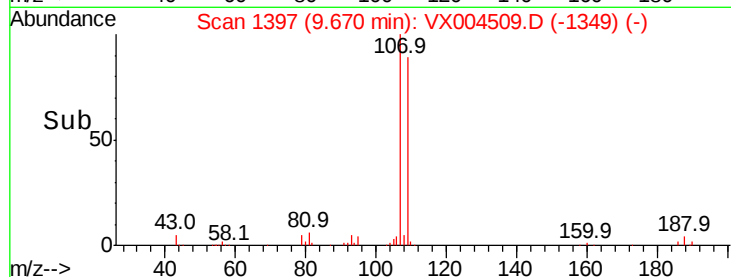
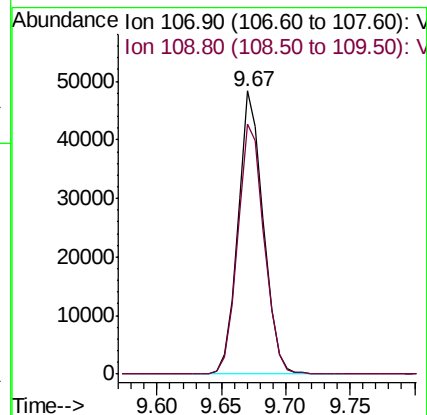
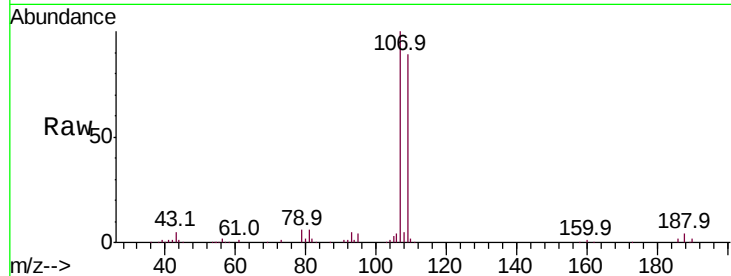
109 92.7 76.0 114.0

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 48.829 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

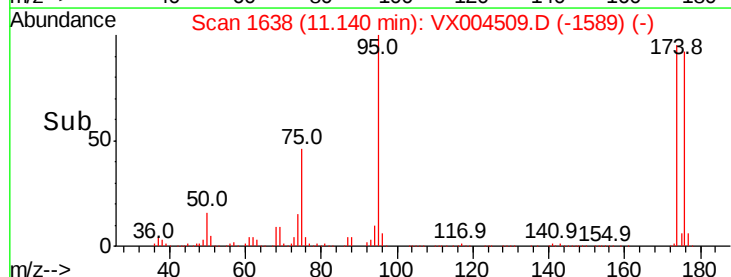
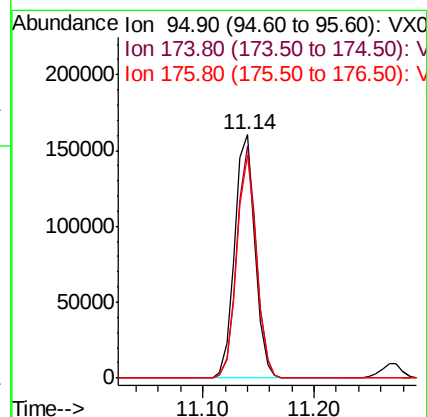
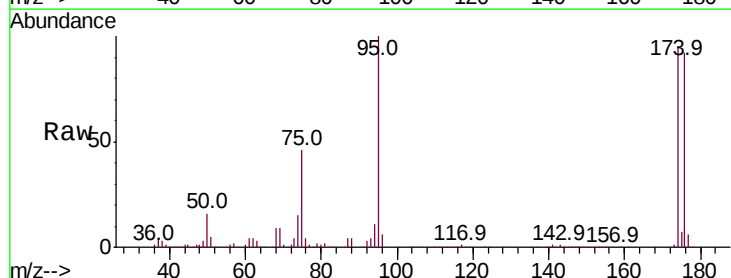
Tgt Ion: 95 Resp: 202891

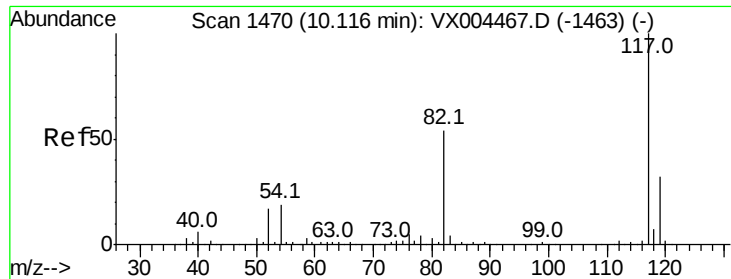
Ion Ratio Lower Upper

95 100

174 91.7 0.0 185.2

176 88.7 0.0 178.6





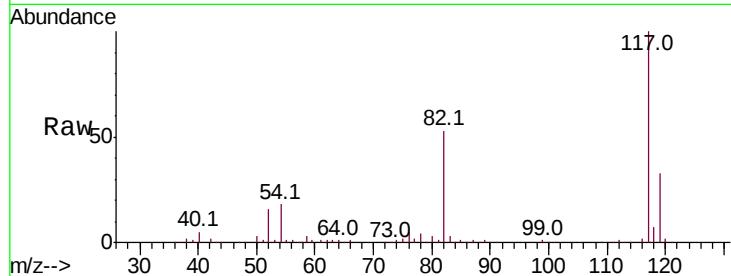
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	367635		
82	52.7	47.8	71.6	
119	32.6	29.3	43.9	

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9/15/2018 11:23:43 AM

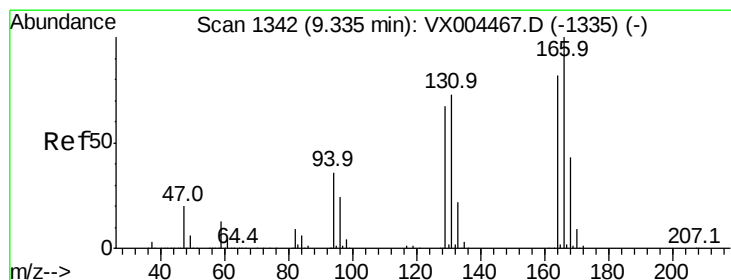
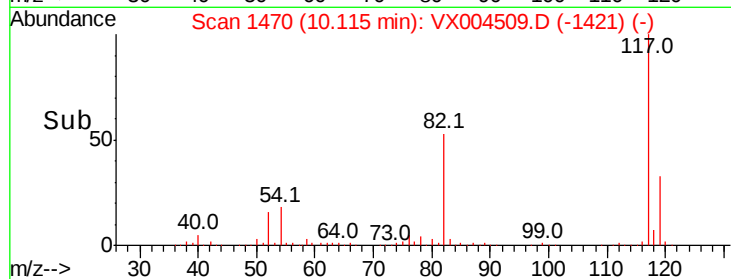
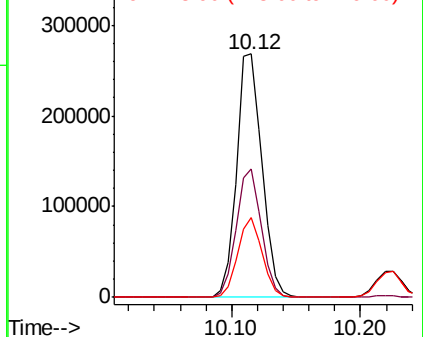


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.034 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91958		
166	129.9	102.8	154.2	
129	94.4	69.4	104.0	
131	90.0	67.9	101.9	

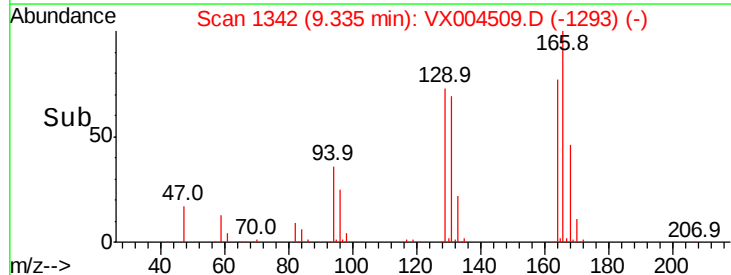
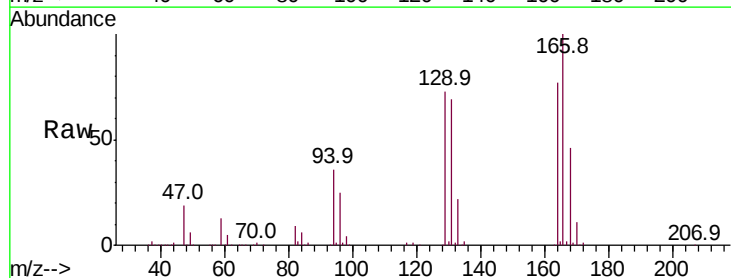
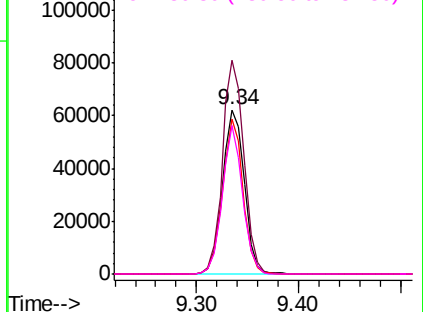
Abundance

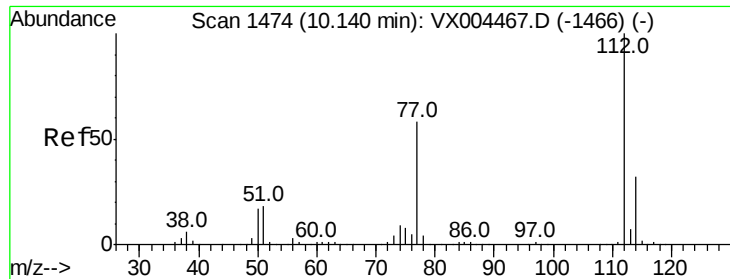
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.315 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampled :

VX0913WBS01

Tot Ion:112 Resp: 176383

Ion Ratio Lower Upper

112 100

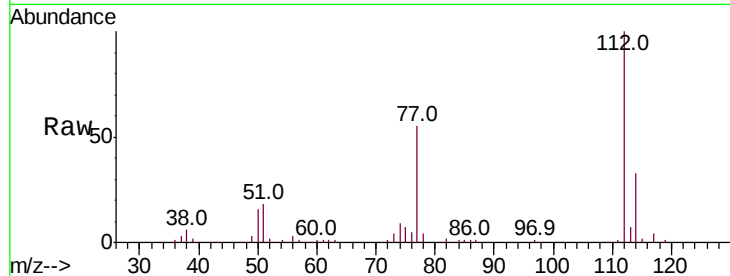
114 32.7 27.8 41.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

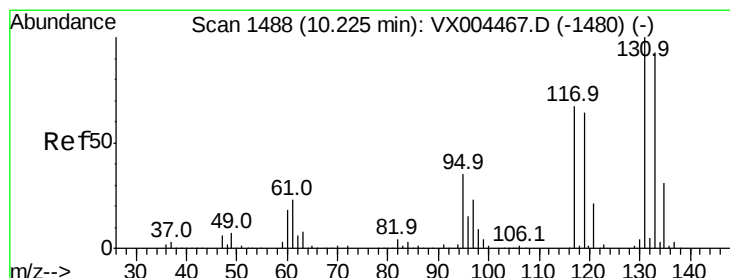
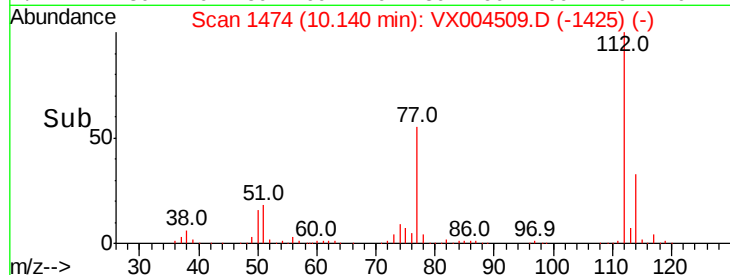
150000

100000

50000

0

Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 19.077 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

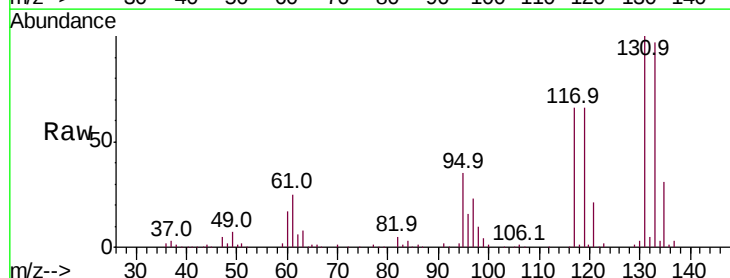
Tgt Ion:131 Resp: 60076

Ion Ratio Lower Upper

131 100

133 95.5 48.1 144.4

119 66.4 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

50000

40000

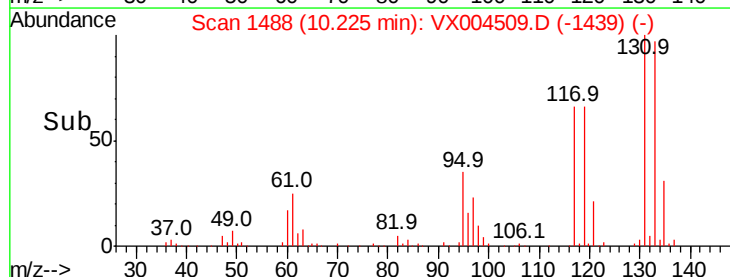
30000

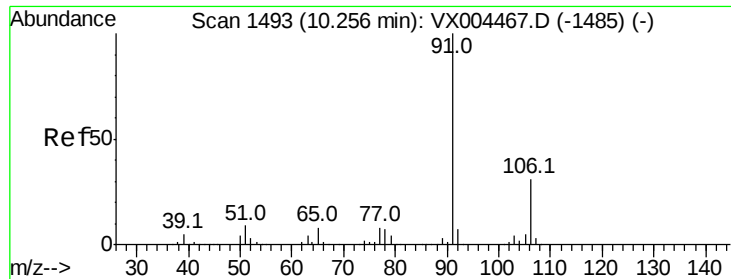
20000

10000

0

Time--> 10.15 10.20 10.25 10.30





#67

Ethyl Benzene

Concen: 19.684 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampled :

VX0913WBS01

Tot Ion: 91 Resp: 292286

Ion Ratio Lower Upper

91 100

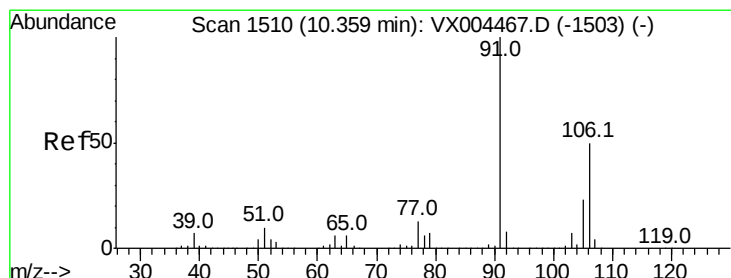
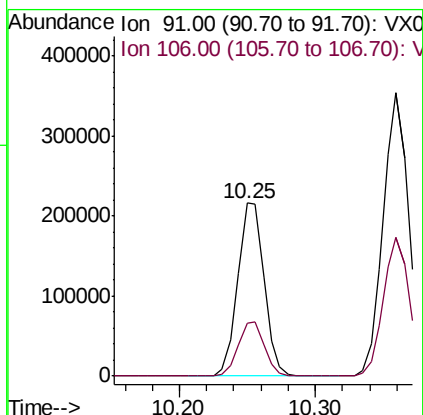
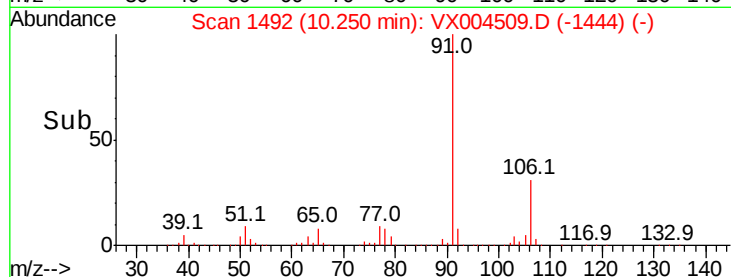
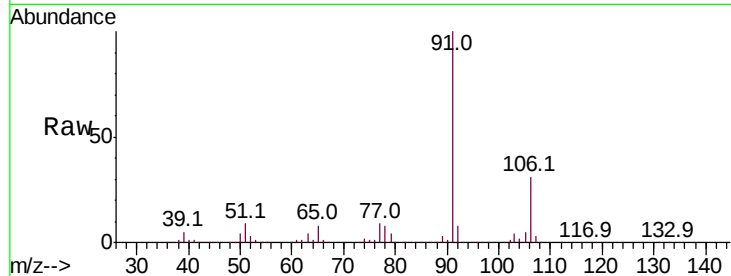
106 30.8 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.579 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004509.D

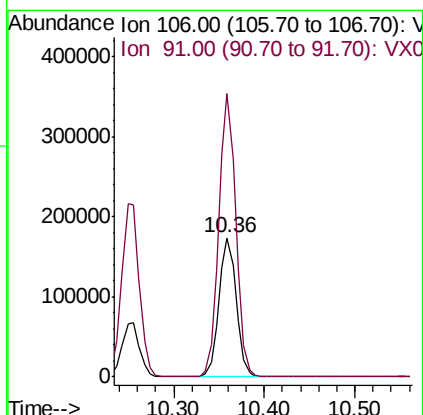
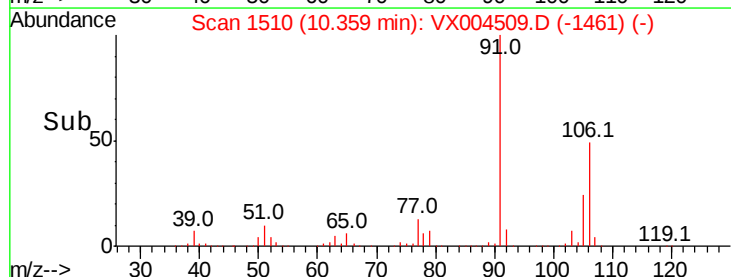
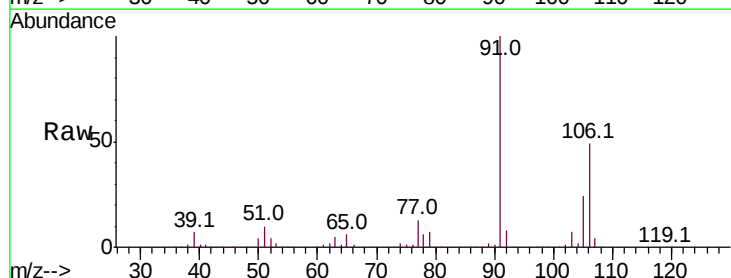
Acq: 13 Sep 2018 12:07

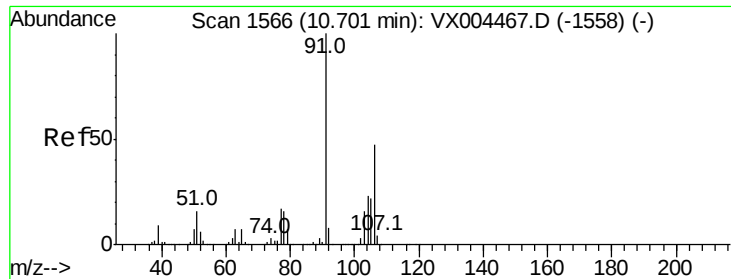
Tgt Ion: 106 Resp: 232098

Ion Ratio Lower Upper

106 100

91 200.4 157.1 235.7





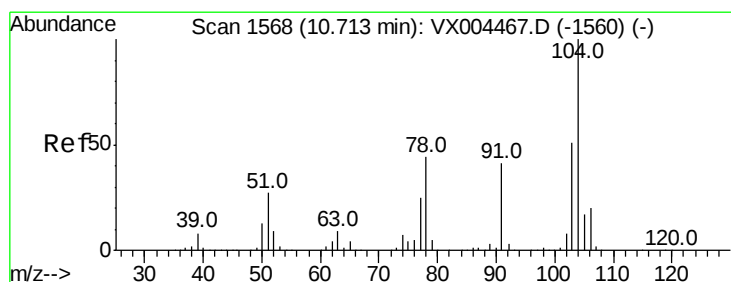
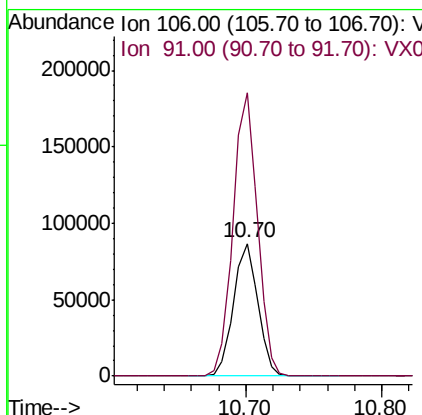
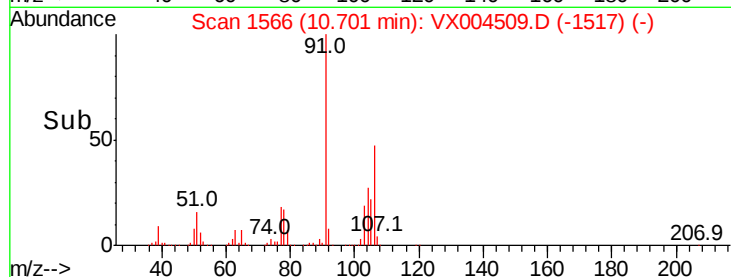
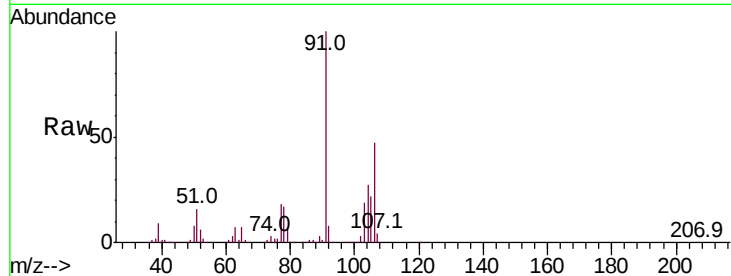
#69
o-Xylene
Concen: 19.833 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion:106 Resp: 109061
Ion Ratio Lower Upper
106 100
91 212.6 105.1 315.1

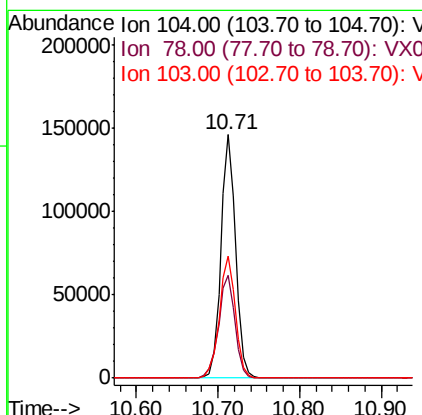
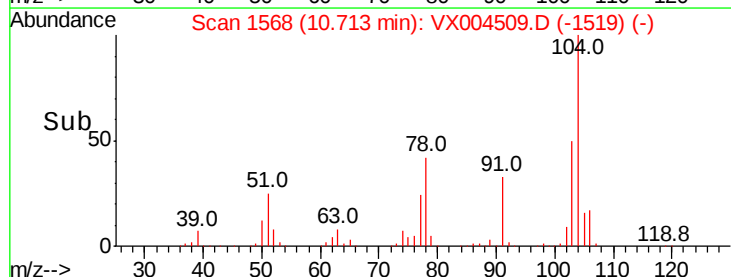
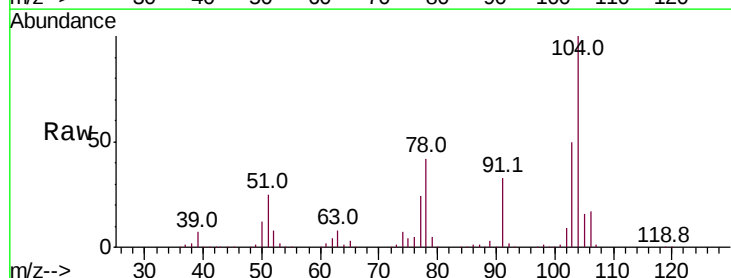
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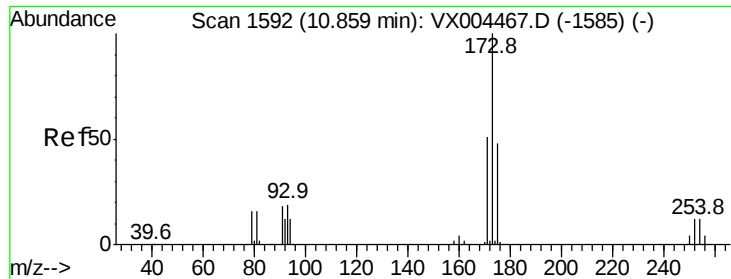
MMDadoda
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#70
Styrene
Concen: 20.182 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion:104 Resp: 183862
Ion Ratio Lower Upper
104 100
78 47.3 37.4 56.0
103 55.0 43.8 65.6





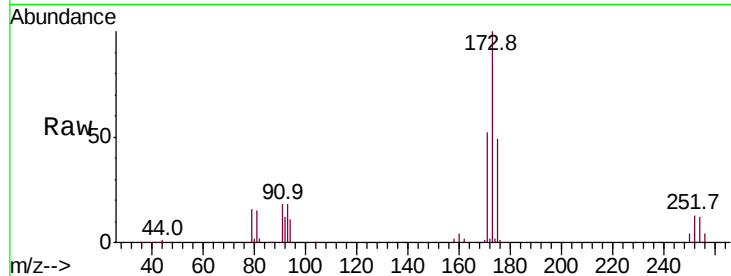
#71
Bromoform
Concen: 18.207 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

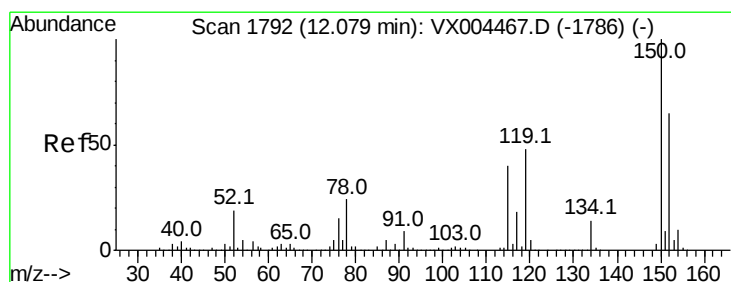
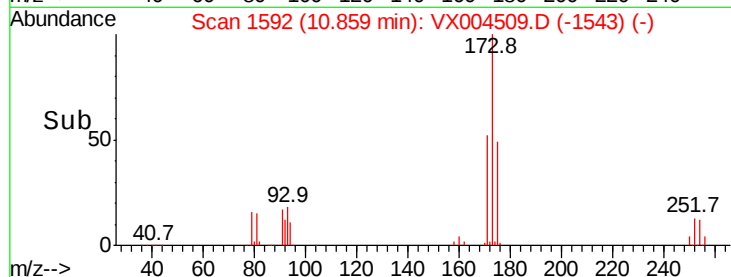
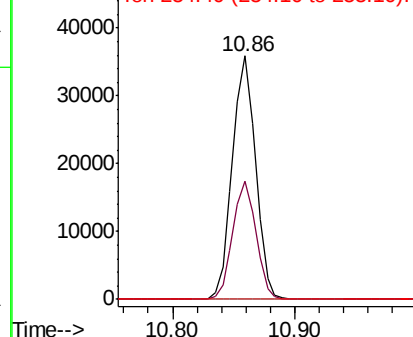
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.3
254	0.2	0.2	0.2

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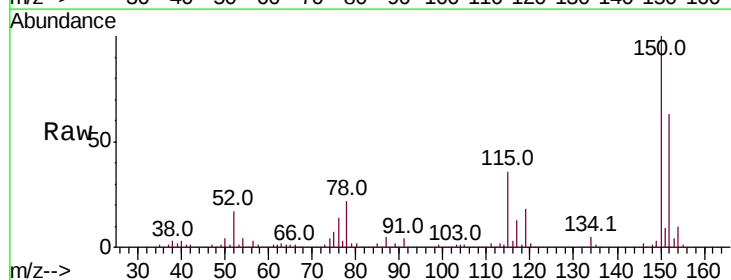


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

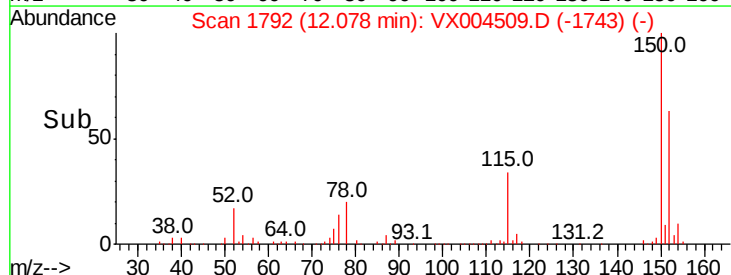
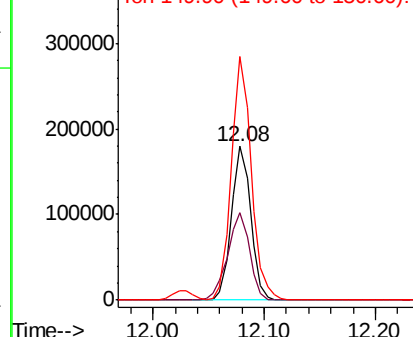


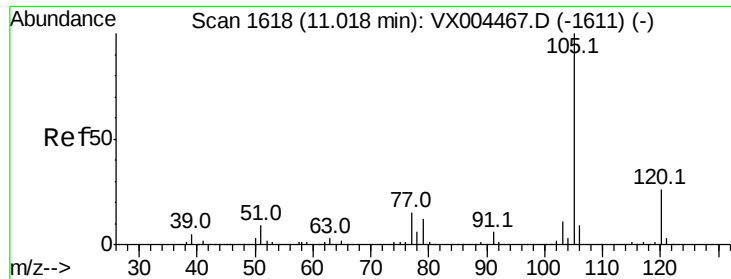
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	39.0	117.0
150	163.7	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





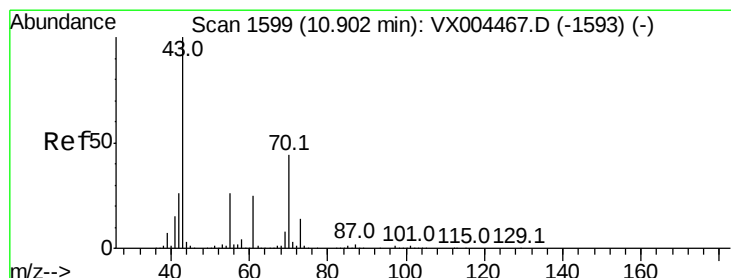
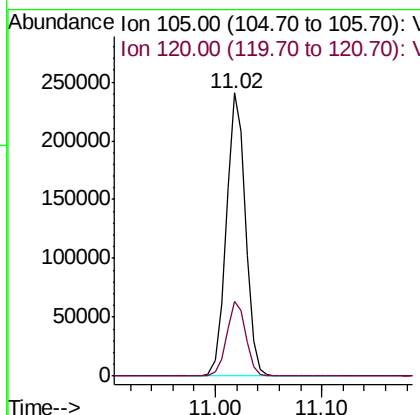
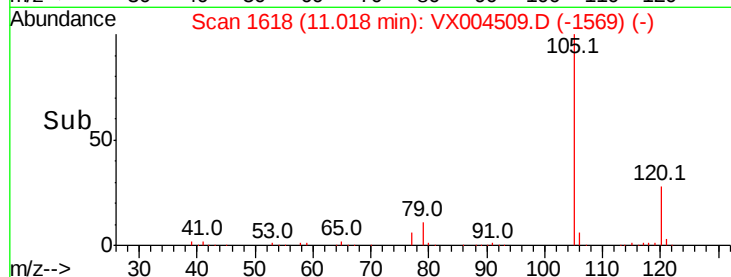
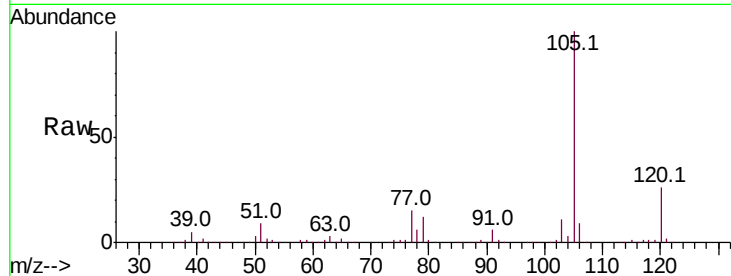
#73
Isopropylbenzene
Concen: 21.357 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion:105 Resp: 302240
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4

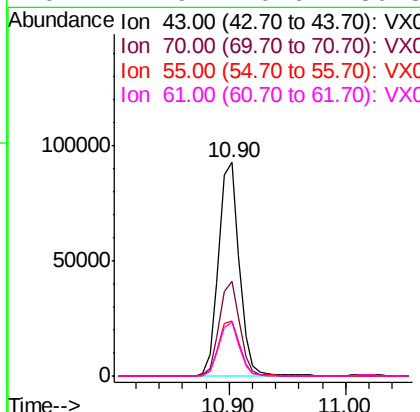
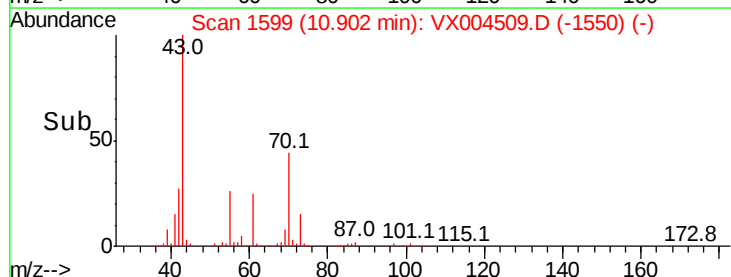
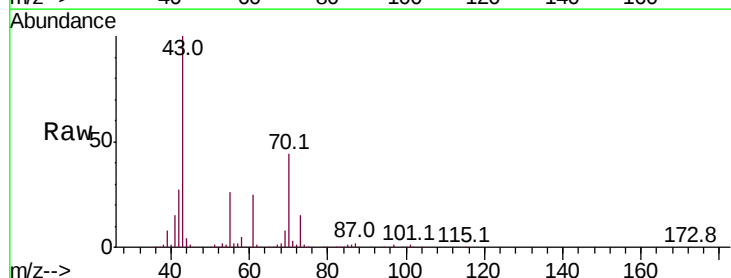
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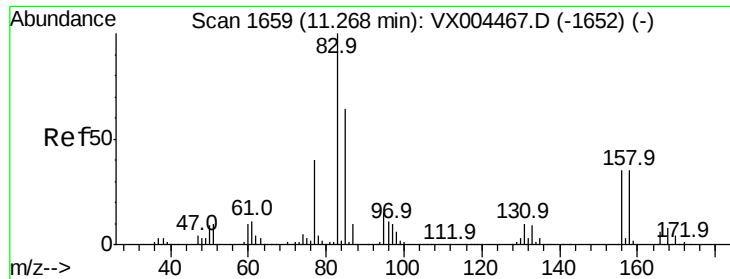
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#74
N-ethyl acetate
Concen: 19.061 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion: 43 Resp: 113539
Ion Ratio Lower Upper
43 100
70 44.6 37.4 56.0
55 27.1 21.8 32.8
61 24.9 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.152 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion: 83 Resp: 87423

Ion Ratio Lower Upper

83 100

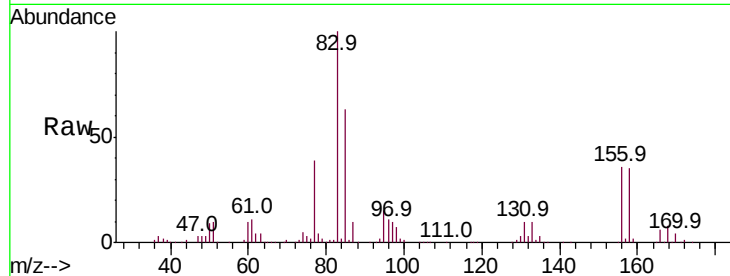
131 10.5 5.2 15.6

85 63.8 32.3 96.8

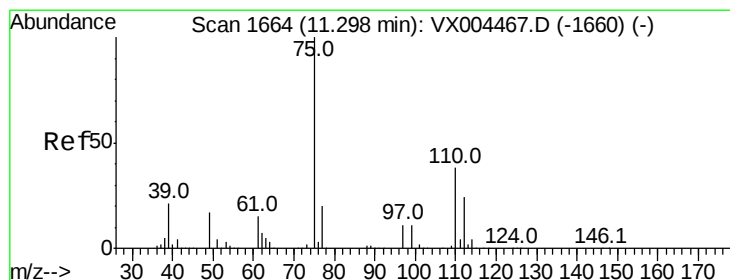
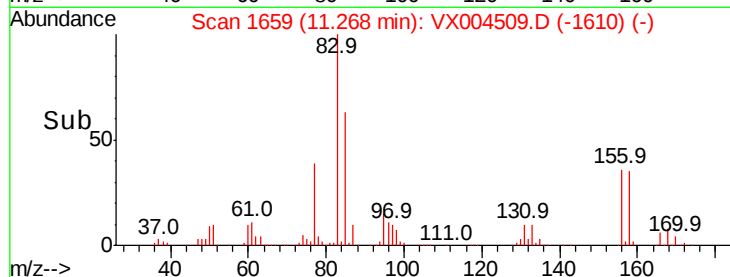
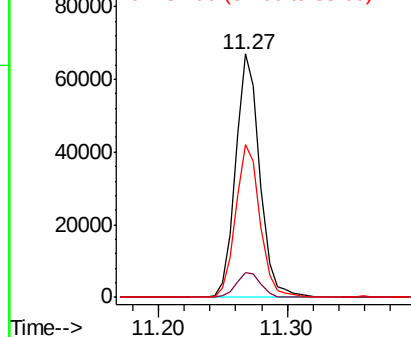
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.978 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004509.D

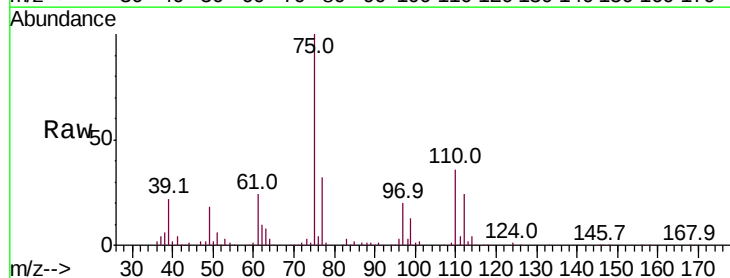
Acq: 13 Sep 2018 12:07

Tgt Ion: 75 Resp: 86369

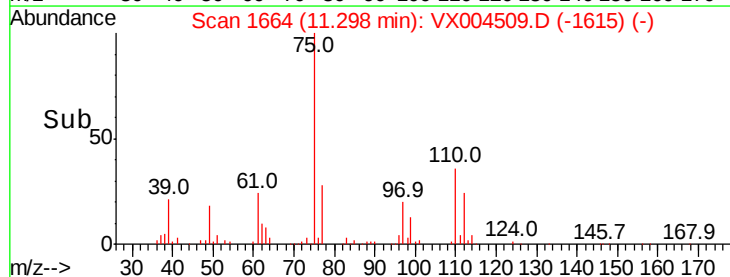
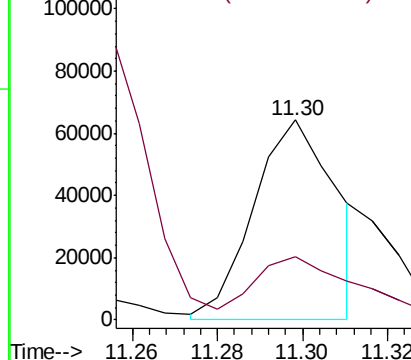
Ion Ratio Lower Upper

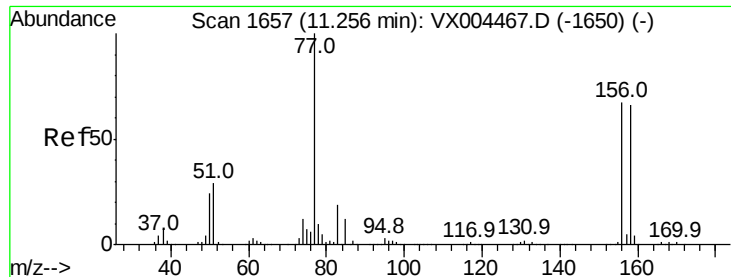
75 100

77 39.8 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.404 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion:156 Resp: 79812

Ion Ratio Lower Upper

156 100

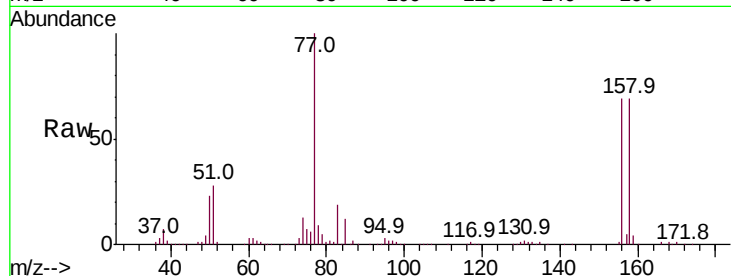
77 144.2 71.5 214.3

158 98.0 48.9 146.8

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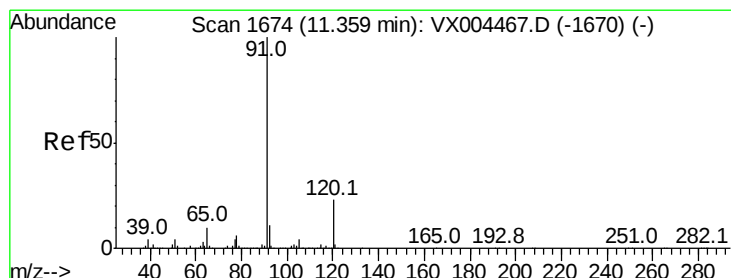
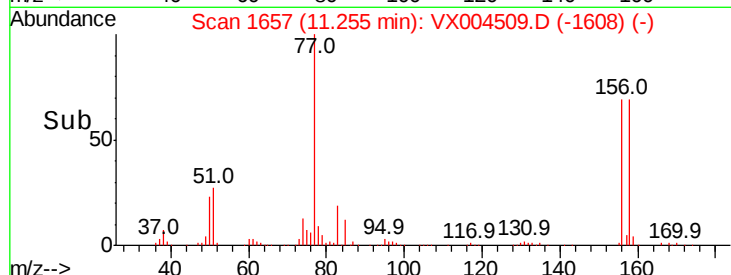
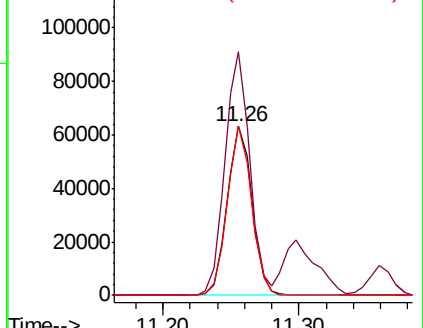
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.438 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004509.D

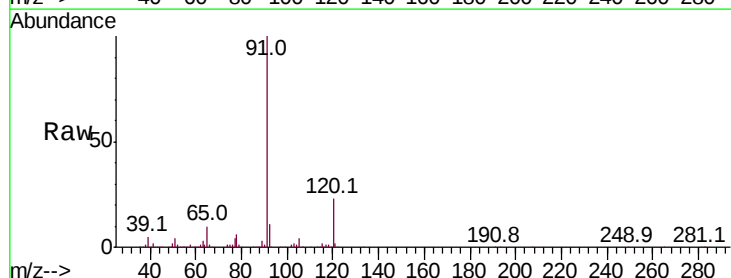
Acq: 13 Sep 2018 12:07

Tgt Ion: 91 Resp: 348831

Ion Ratio Lower Upper

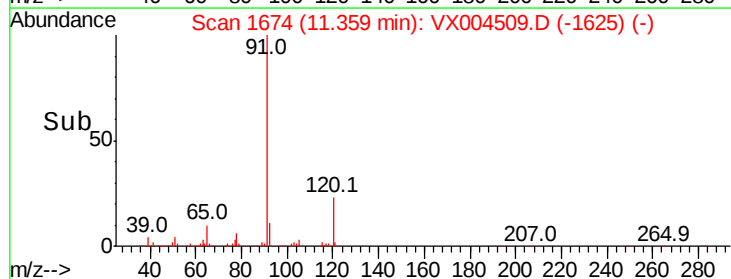
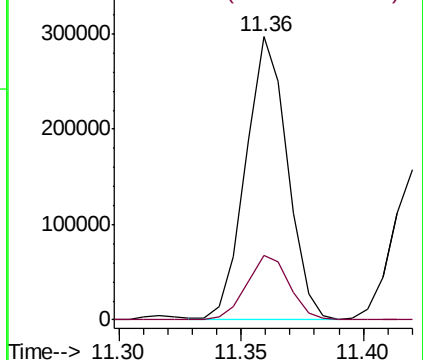
91 100

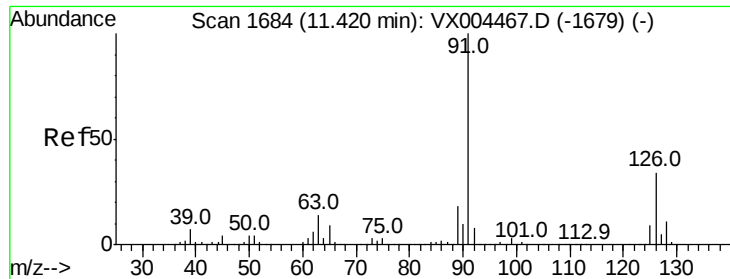
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





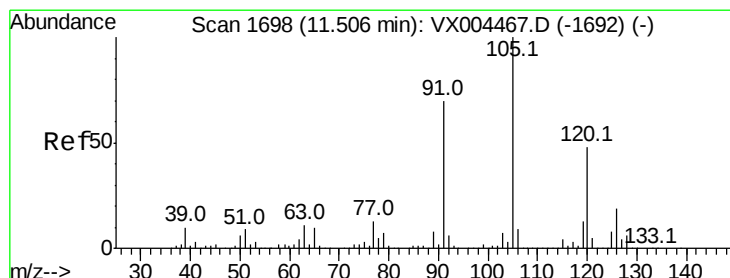
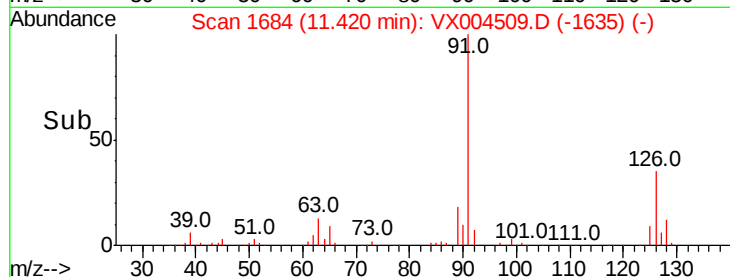
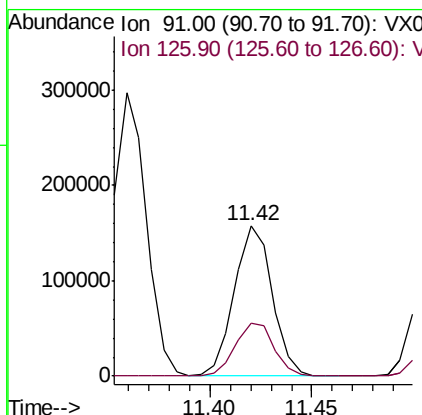
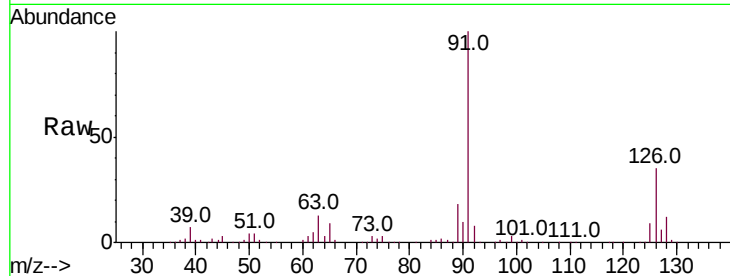
#79
2-Chlorotoluene
Concen: 20.501 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion: 91 Resp: 202316
Ion Ratio Lower Upper
91 100
126 36.1 17.9 53.7

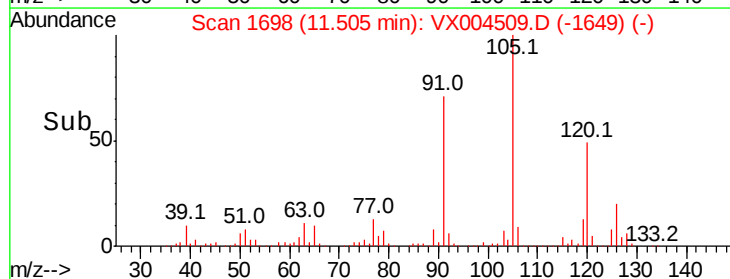
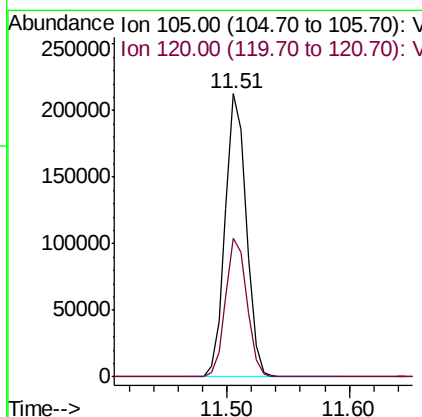
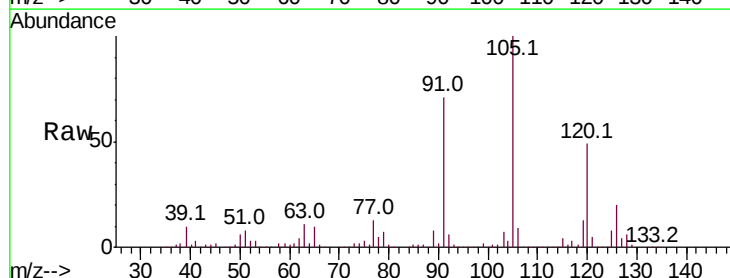
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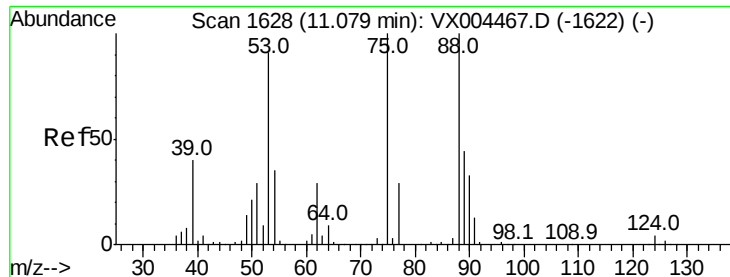
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#80
1,3,5-Trimethylbenzene
Concen: 21.253 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion: 105 Resp: 252849
Ion Ratio Lower Upper
105 100
120 50.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.786 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tot Ion: 75 Resp: 26836

Ion Ratio Lower Upper

75 100

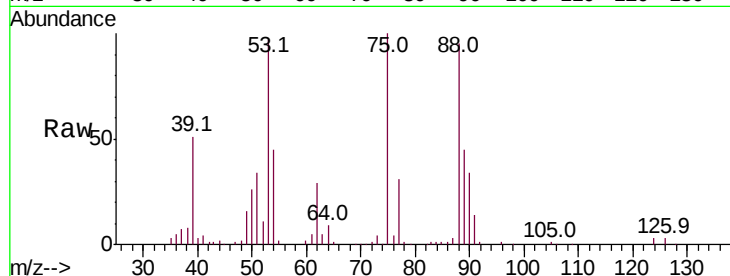
53 99.8 80.1 120.1

89 47.8 37.2 55.8

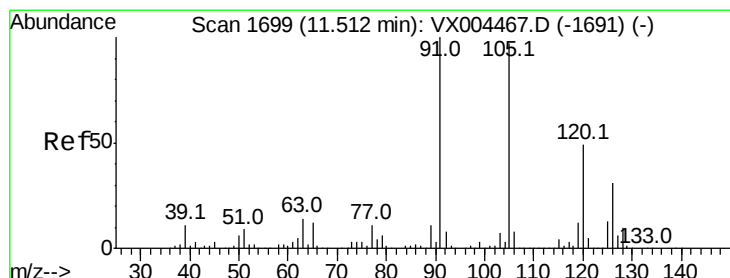
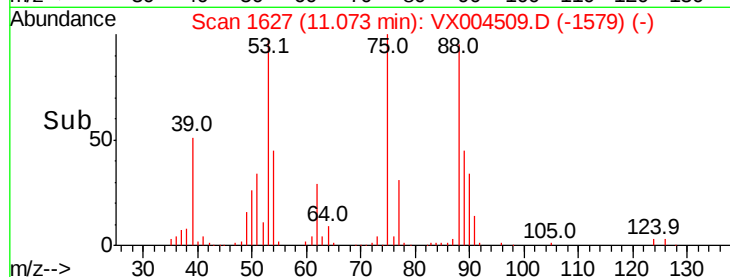
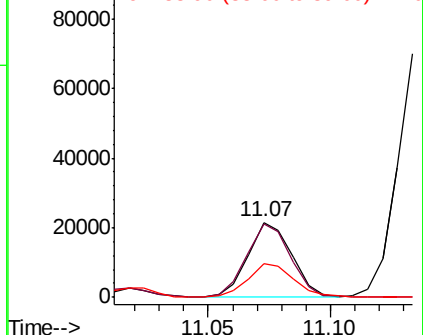
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.910 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004509.D

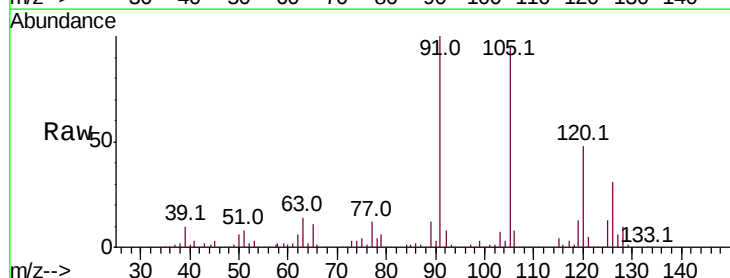
Acq: 13 Sep 2018 12:07

Tgt Ion: 91 Resp: 240843

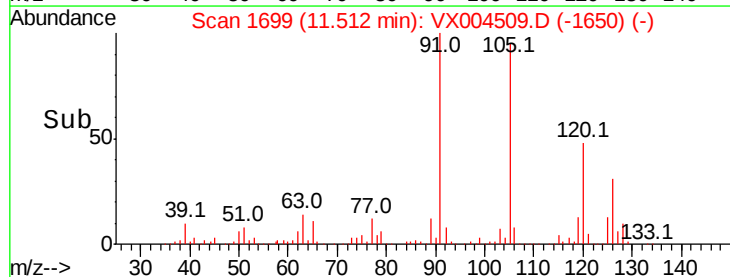
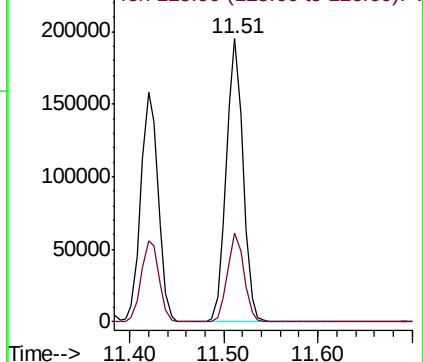
Ion Ratio Lower Upper

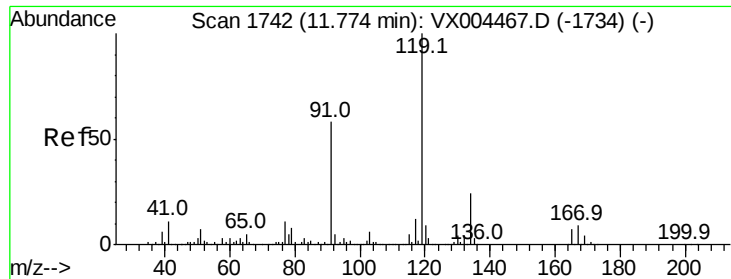
91 100

126 31.1 15.5 46.5



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





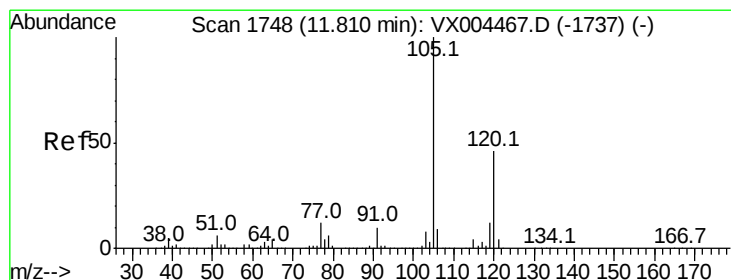
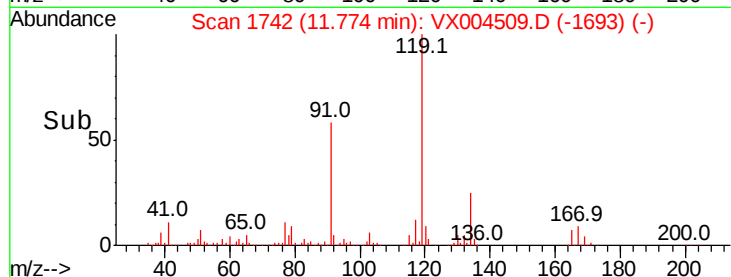
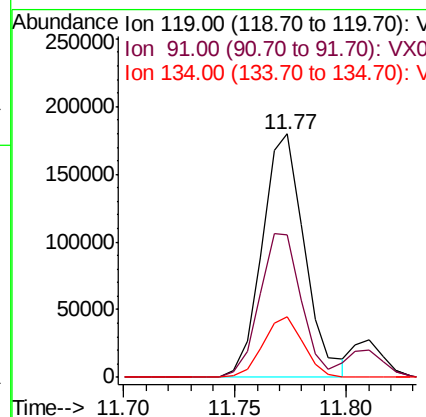
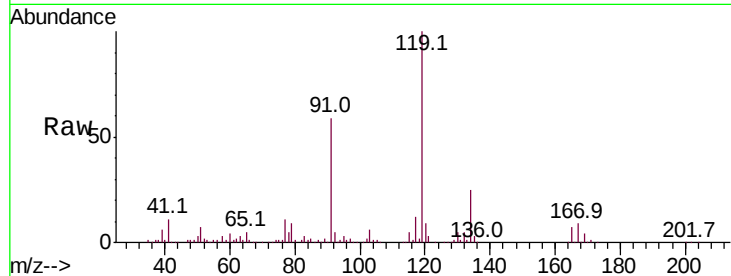
#83
tert-Butylbenzene
Concen: 21.061 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	238539		
91	57.9	27.0	81.0	
134	23.6	11.7	35.1	

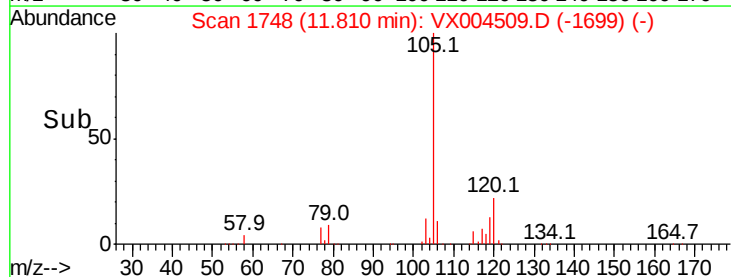
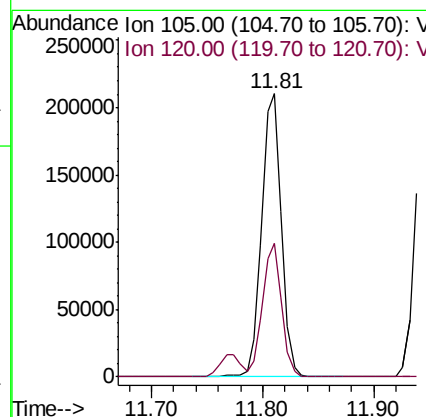
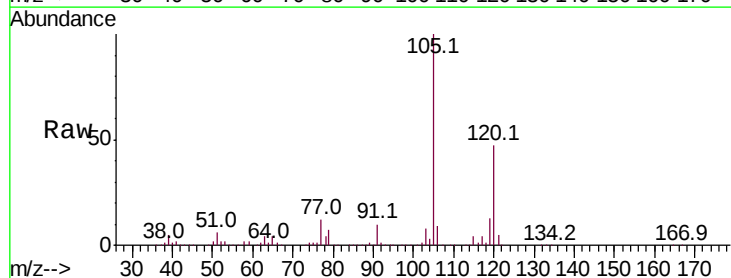
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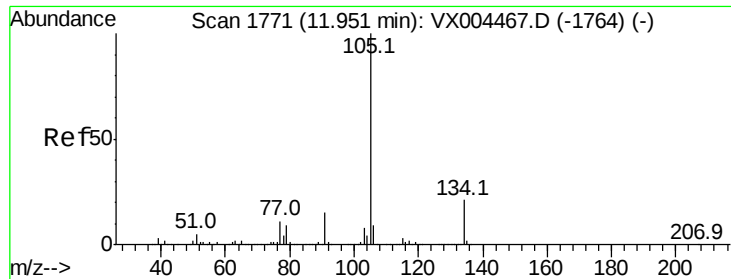
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#84
1,2,4-Trimethylbenzene
Concen: 21.482 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	260928		
120	45.5	23.2	69.6	





#85

sec-Butylbenzene

Concen: 21.420 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

ClientSampled :

VX0913WBS01

Tot Ion:105 Resp: 309156

Ion Ratio Lower Upper

105 100

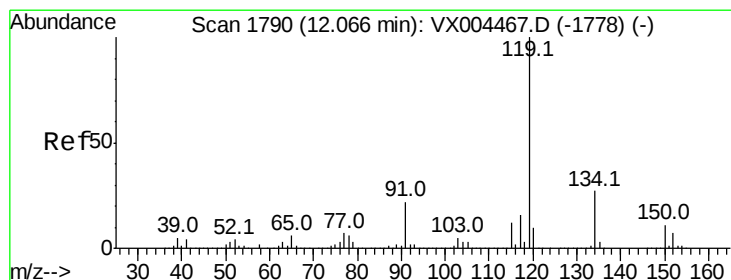
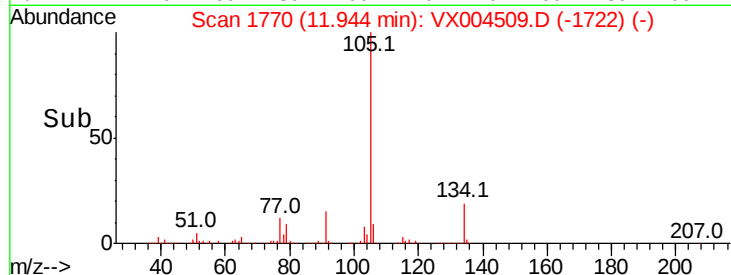
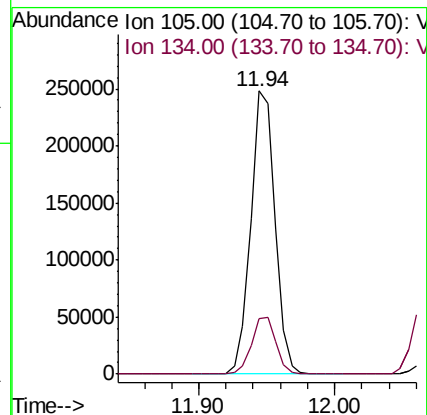
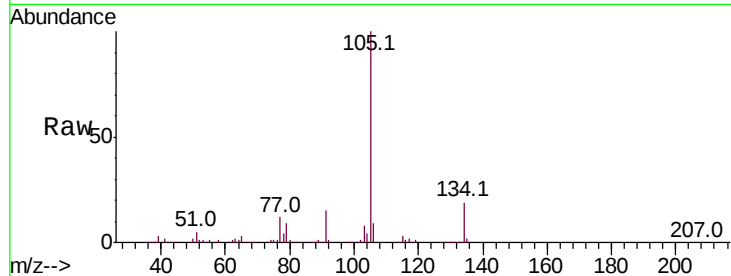
134 20.3 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.647 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

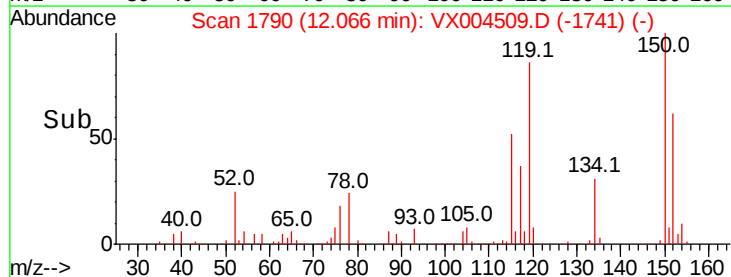
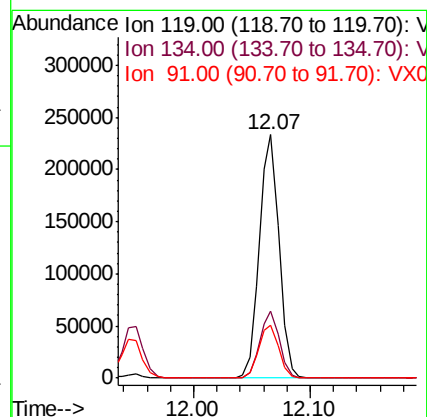
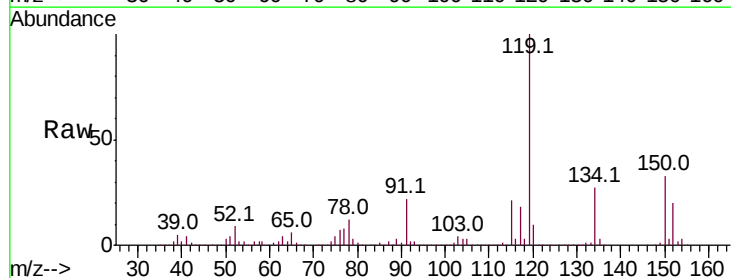
Tgt Ion:119 Resp: 275896

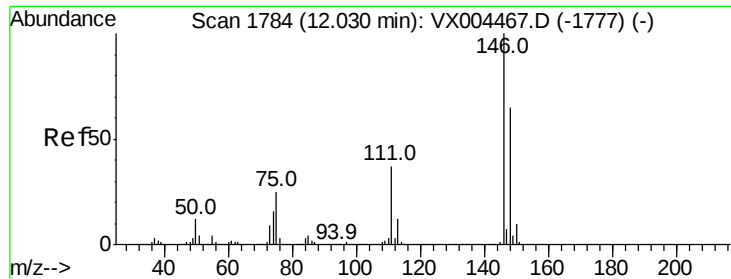
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.3 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 20.447 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA_X

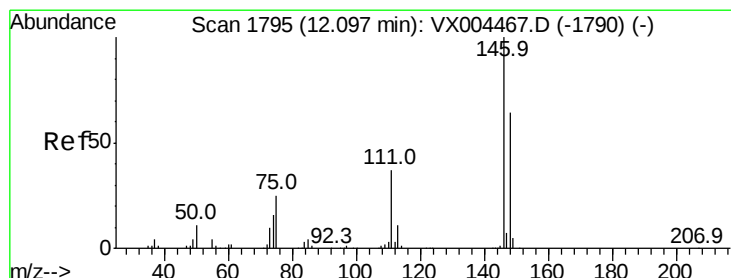
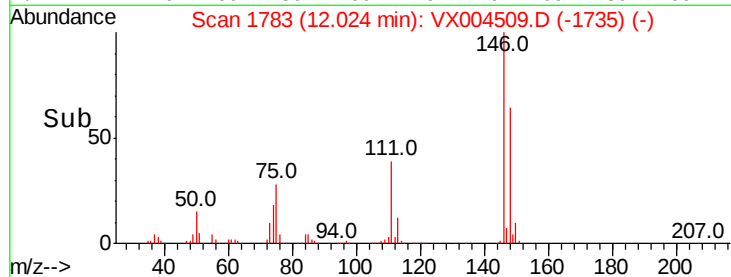
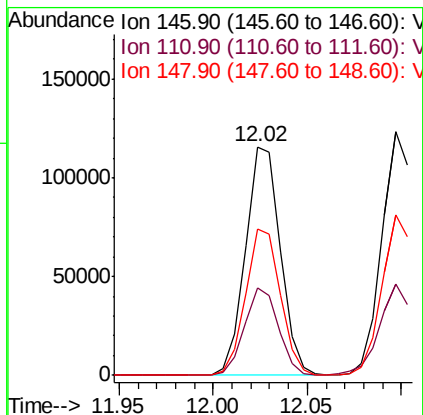
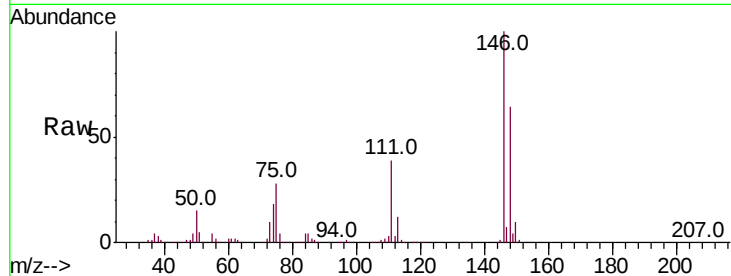
ClientSampleId :

VX0913WBS01

Tot Ion:	146	Resp:	149221
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.7	56.1
148	63.9	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.922 ug/l

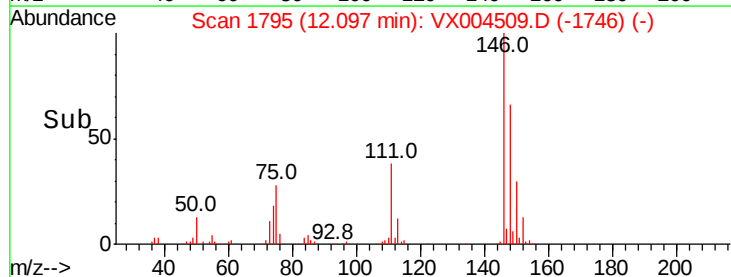
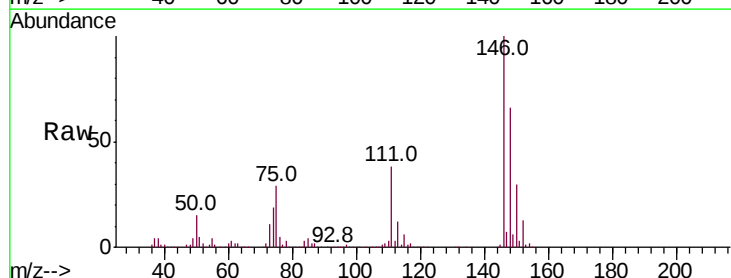
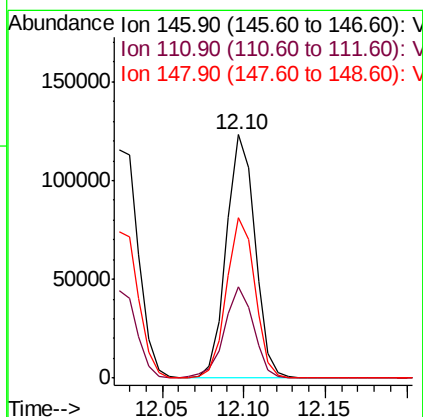
RT: 12.10 min Scan# 1795

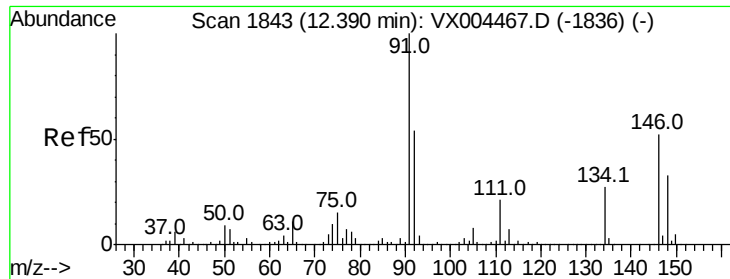
Delta R.T. -0.00 min

Lab File: VX004509.D

Acq: 13 Sep 2018 12:07

Tgt Ion:	146	Resp:	150227
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.1	54.1
148	65.5	32.0	96.0





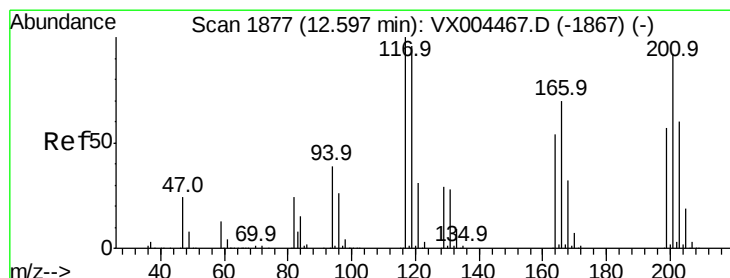
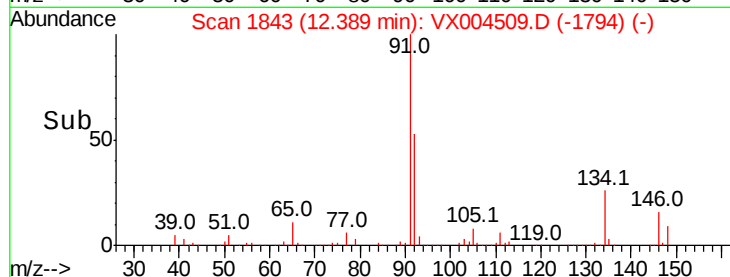
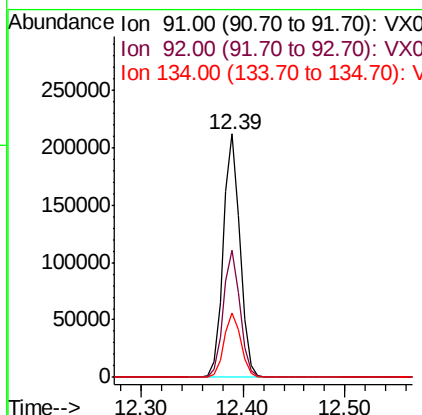
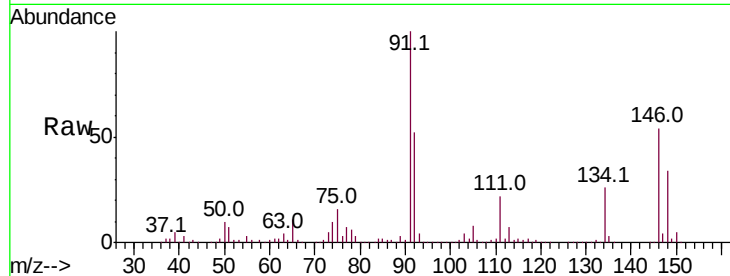
#89
n-Butylbenzene
Concen: 20.839 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	242035		
92	52.2		27.3	81.9
134	26.7		13.6	40.7

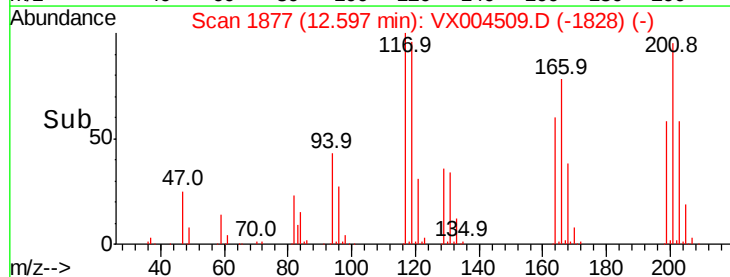
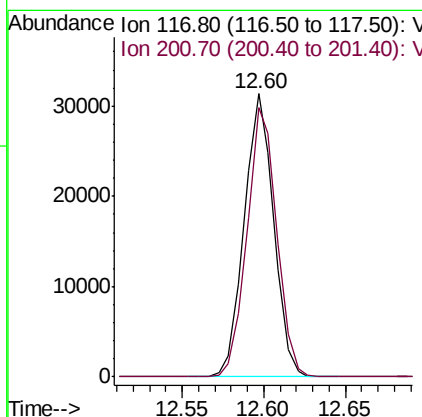
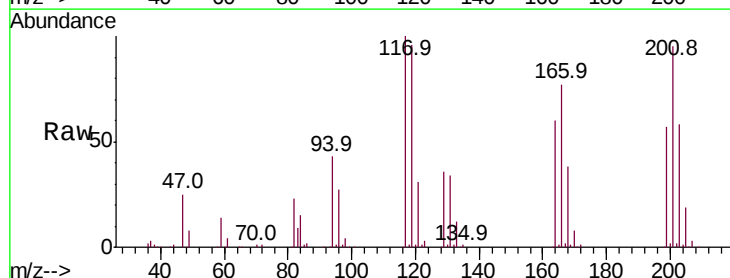
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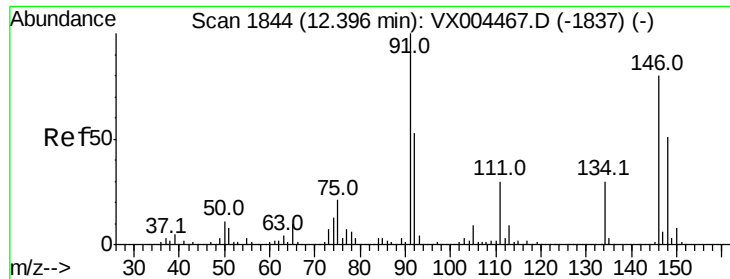
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#90
Hexachloroethane
Concen: 19.347 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39475		
201	95.8		46.9	140.6





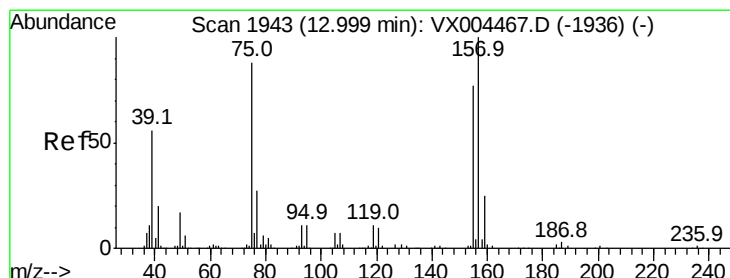
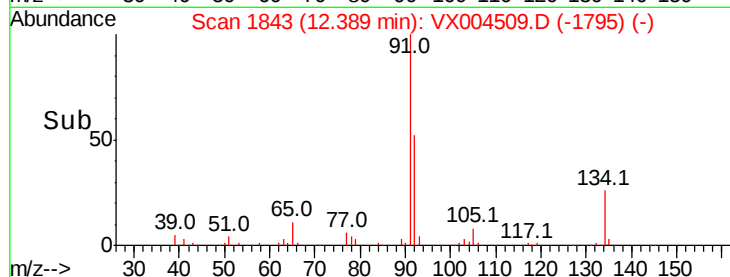
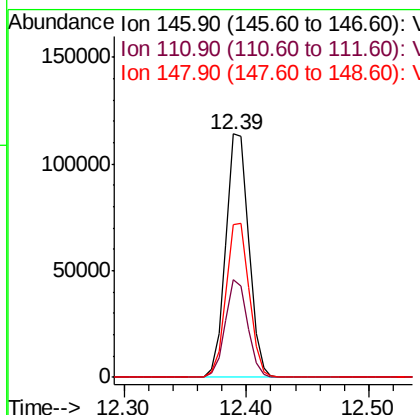
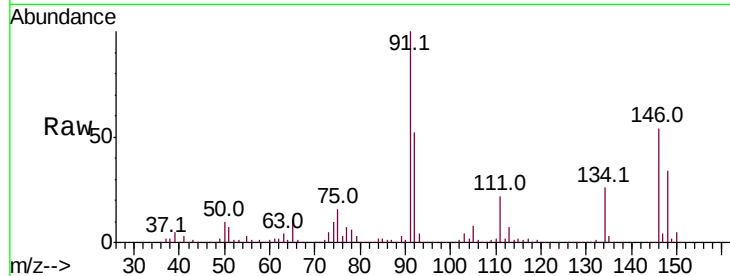
#91
 1,2-Dichlorobenzene
 Concen: 20.056 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	63.6	32.8	98.3

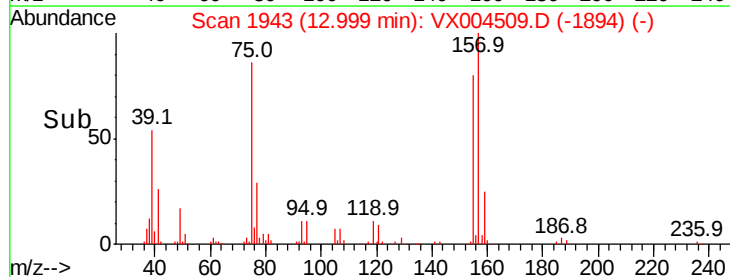
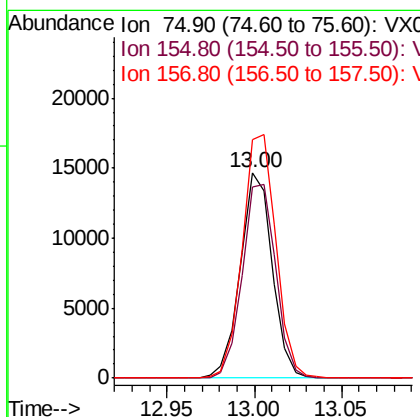
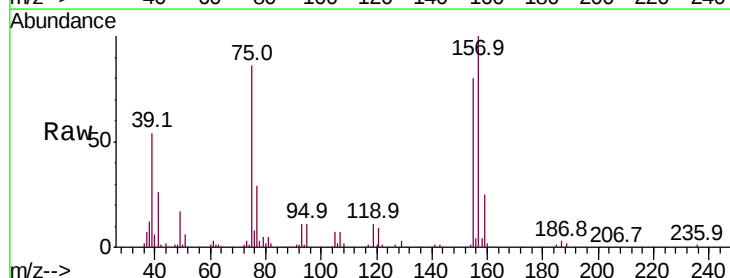
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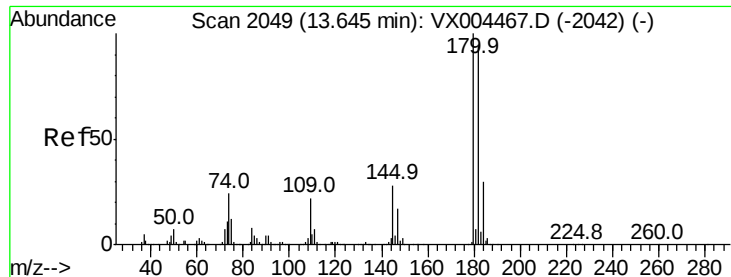
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.085 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	48.0	144.2
157	124.5	61.4	184.1





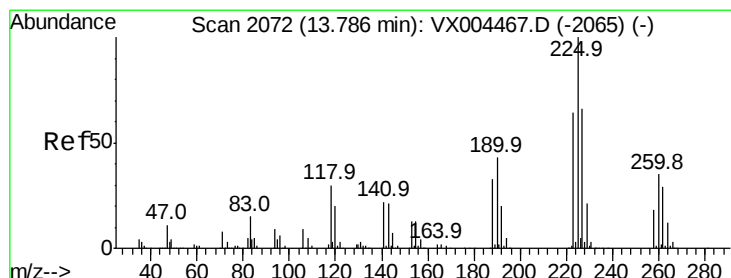
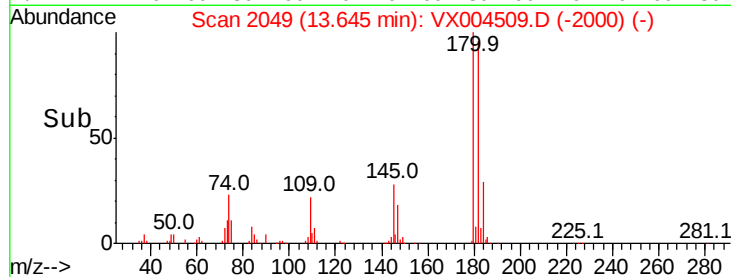
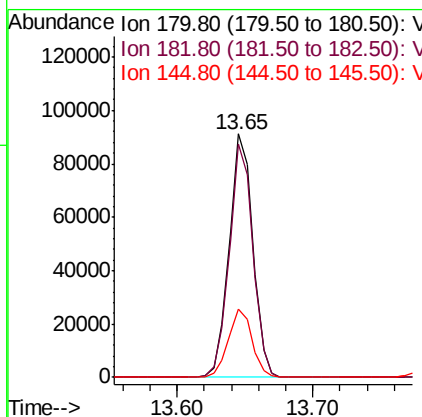
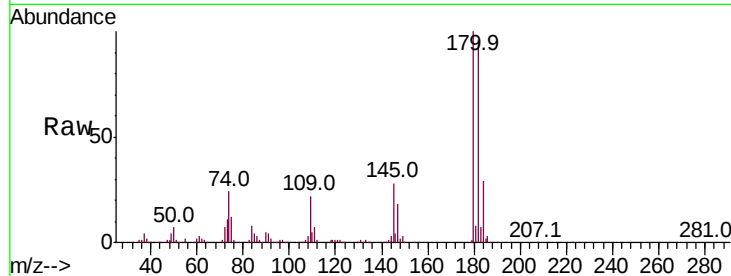
#93
 1,2,4-Trichlorobenzene
 Concen: 21.018 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109934		
182	95.7	48.4	145.0	
145	28.2	14.3	42.9	

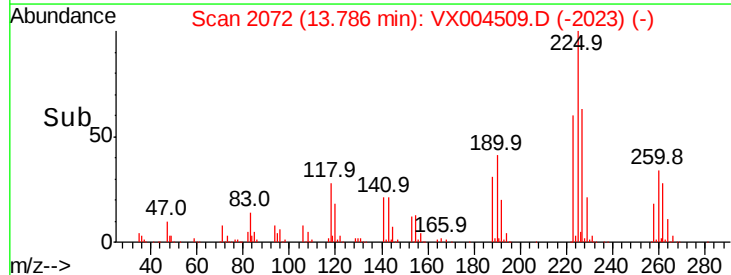
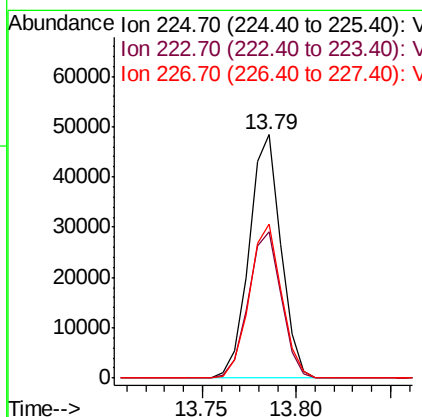
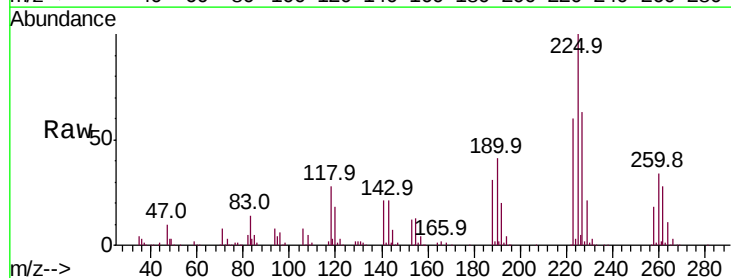
Manual Integrations
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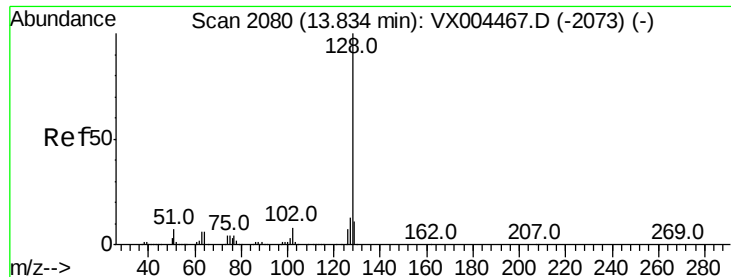
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#94
 Hexachlorobutadiene
 Concen: 20.744 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004509.D
 Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56674		
223	62.2	30.1	90.5	
227	63.9	30.8	92.4	





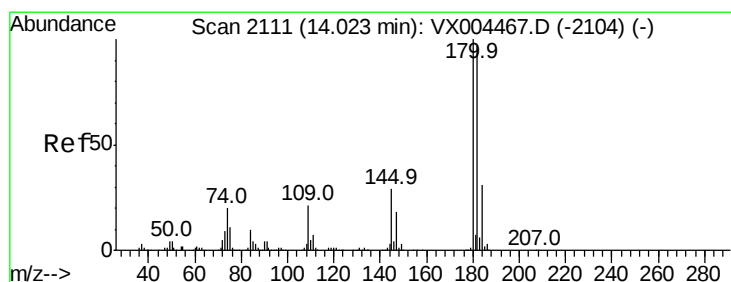
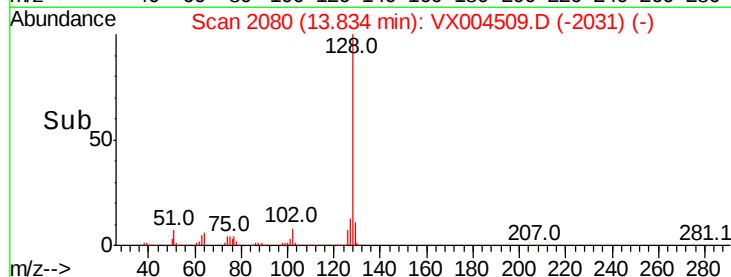
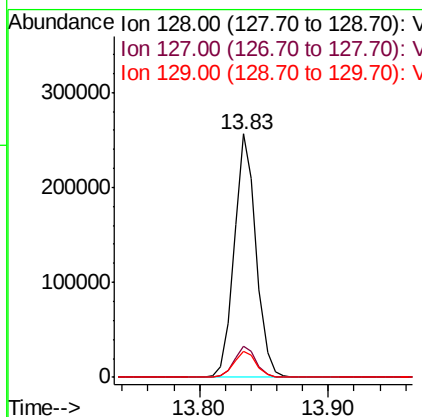
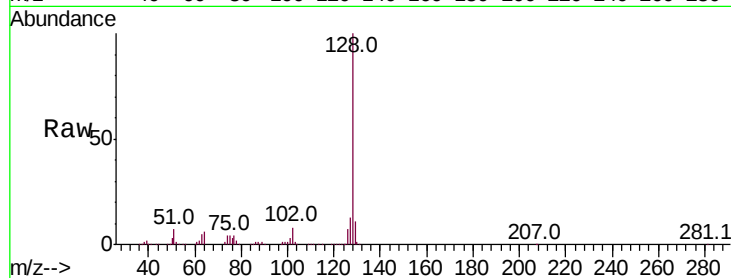
#95
Naphthalene
Concen: 20.550 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	301470		
127	12.9		10.2	15.2
129	10.9		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.744 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004509.D
Acq: 13 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111464		
182	94.7		48.5	145.6
145	29.4		14.9	44.9

