

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009521.D
 Acq On : 11 May 2019 13:34
 Operator : JC/SP
 Sample : VX0511WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Manual Integrations
 APPROVED

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 5/13/2019 4:27:10 PM

Quant Time: May 12 02:21:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	167168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266196	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114124	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	5.49	113	84663	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	8.71	98	339227	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.13	95	122579	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28979	18.812	ug/l	100
3) Chloromethane	1.32	50	44383	21.103	ug/l	99
4) Vinyl Chloride	1.41	62	43218	21.073	ug/l	99
5) Bromomethane	1.64	94	27805	22.588	ug/l	98
6) Chloroethane	1.72	64	27880	21.174	ug/l	99
7) Trichlorofluoromethane	1.93	101	53808	21.584	ug/l	99
8) Diethyl Ether	2.19	74	24769	20.976	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33007	21.084	ug/l	99
10) Methyl Iodide	2.51	142	35877	22.506	ug/l	99
11) Tert butyl alcohol	3.04	59	55823	105.678	ug/l	97
12) 1,1-Dichloroethene	2.37	96	33364	21.271	ug/l	99
13) Acrolein	2.29	56	42685	89.227	ug/l	98
14) Allyl chloride	2.73	41	78548	20.549	ug/l	98
15) Acrylonitrile	3.14	53	134949	104.484	ug/l	99
16) Acetone	2.44	43	123568	100.842	ug/l	98
17) Carbon Disulfide	2.57	76	91542	20.787	ug/l	97
18) Methyl Acetate	2.77	43	57669	19.789	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	129642	21.284	ug/l	100
20) Methylene Chloride	2.85	84	41374	20.853	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36249	21.310	ug/l	97
22) Diisopropyl ether	3.85	45	156909	21.345	ug/l	98
23) Vinyl Acetate	3.81	43	694317	110.300	ug/l	99
24) 1,1-Dichloroethane	3.70	63	76068	20.976	ug/l	99
25) 2-Butanone	4.67	43	201666	105.907	ug/l	99
26) 2,2-Dichloropropane	4.59	77	53325	19.755	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	42477	20.920	ug/l	99
28) Bromochloromethane	5.01	49	31411	19.866	ug/l	99
29) Tetrahydrofuran	5.13	42	132585	108.203	ug/l	100
30) Chloroform	5.21	83	70299	21.434	ug/l	100
31) Cyclohexane	5.58	56	72563	21.507	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	57387	21.018	ug/l	99
36) 1,1-Dichloropropene	5.80	75	52266	21.128	ug/l	99
37) Ethyl Acetate	4.84	43	74539	21.626	ug/l	99
38) Carbon Tetrachloride	5.79	117	48022	21.366	ug/l	96

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Manual Integrations
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Quant Time: May 12 02:21:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65275	21.486	ug/l	98
40) Benzene	6.14	78	165035	21.556	ug/l	96
41) Methacrylonitrile	5.04	41	42826	20.873	ug/l	97
42) 1,2-Dichloroethane	6.20	62	59823	21.783	ug/l	100
43) Isopropyl Acetate	6.45	43	117459	21.305	ug/l	99
44) Trichloroethene	7.21	130	38841	20.986	ug/l	94
45) 1,2-Dichloropropane	7.51	63	46287	21.351	ug/l	97
46) Dibromomethane	7.66	93	27262	21.656	ug/l	98
47) Bromodichloromethane	7.90	83	52986	21.100	ug/l	95
48) Methyl methacrylate	7.77	41	59657	21.810	ug/l	98
49) 1,4-Dioxane	7.74	88	24181	435.926	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	393426	109.177	ug/l	99
52) Toluene	8.78	92	100417	21.577	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	59209	20.884	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	66665	21.244	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	40324	21.238	ug/l	96
56) Ethyl methacrylate	9.18	69	72447	21.376	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71438	21.381	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	176066	97.926	ug/l	100
59) 2-Hexanone	9.49	43	305169	107.826	ug/l	99
60) Dibromochloromethane	9.58	129	38966	21.013	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41899	21.862	ug/l	98
64) Tetrachloroethene	9.34	164	35849	21.755	ug/l	96
65) Chlorobenzene	10.13	112	103258	21.487	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	37125	21.309	ug/l	99
67) Ethyl Benzene	10.25	91	191520	21.655	ug/l	100
68) m/p-Xylenes	10.36	106	138869	42.967	ug/l	98
69) o-Xylene	10.69	106	69040	21.651	ug/l	99
70) Styrene	10.71	104	118642	21.406	ug/l	99
71) Bromoform	10.85	173	29111	20.561	ug/l #	98
73) Isopropylbenzene	11.02	105	182028	21.437	ug/l	99
74) N-amyl acetate	10.90	43	104491	21.107	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	67024	21.173	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	58838m	21.722	ug/l	
77) Bromobenzene	11.25	156	45046	21.373	ug/l	99
78) n-propylbenzene	11.36	91	208042	21.453	ug/l	100
79) 2-Chlorotoluene	11.42	91	126796	21.193	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	155231	21.711	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21492	20.302	ug/l	94
82) 4-Chlorotoluene	11.51	91	143285	21.199	ug/l	100
83) tert-Butylbenzene	11.77	119	148371	21.332	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	155231	21.630	ug/l	100
85) sec-Butylbenzene	11.94	105	174164	21.121	ug/l	99
86) p-Isopropyltoluene	12.06	119	159582	21.527	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	79516	21.164	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	80184	21.168	ug/l	100
89) n-Butylbenzene	12.38	91	139486	20.818	ug/l	100
90) Hexachloroethane	12.59	117	25402	20.113	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	80079	20.925	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14652	20.633	ug/l	98

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

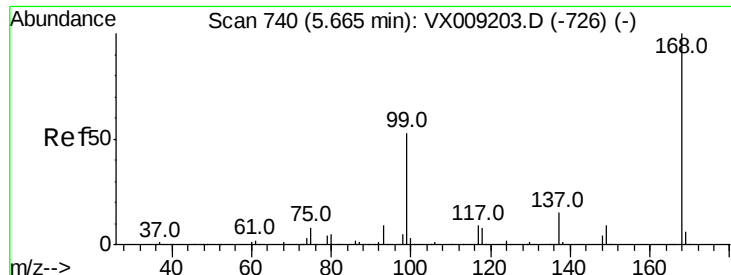
Manual Integrations
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Quant Time: May 12 02:21:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55363	21.156	ug/l	100
94) Hexachlorobutadiene	13.78	225	28718	21.490	ug/l	99
95) Naphthalene	13.83	128	181515	21.319	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	57085	21.520	ug/l	99

(#) = 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: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion:168 Resp: 167168

Ion Ratio Lower Upper

168 100

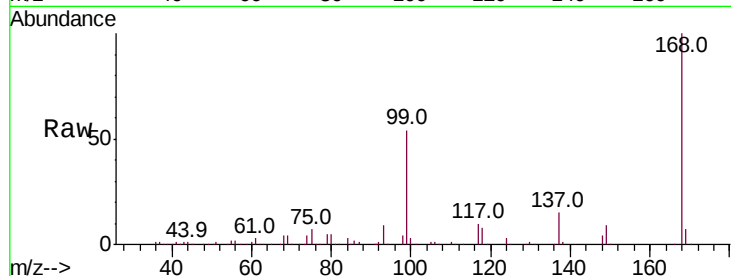
99 54.2 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

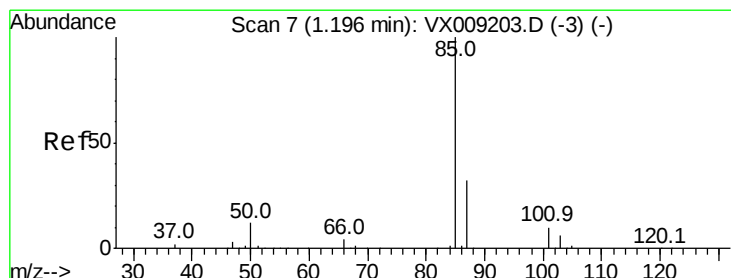
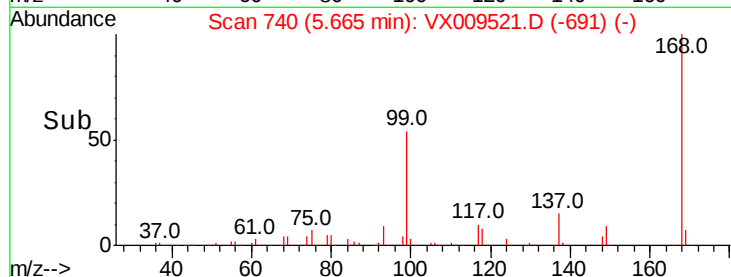
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.812 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009521.D

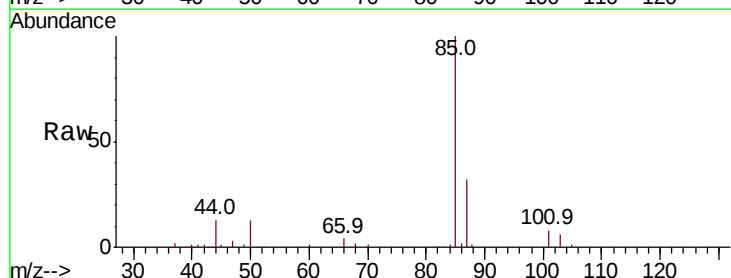
Acq: 11 May 2019 13:34

Tgt Ion: 85 Resp: 28979

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

15000

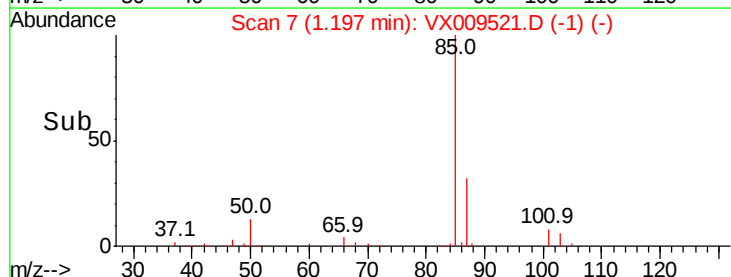
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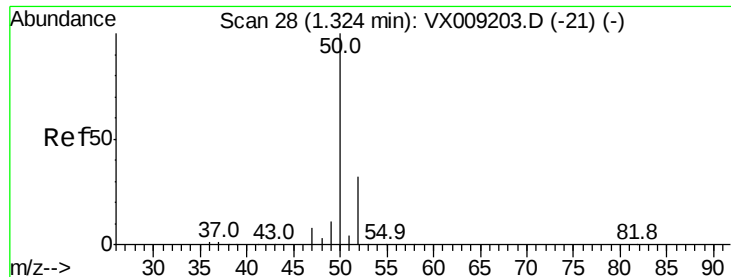
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0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.103 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 50 Resp: 44383

Ion Ratio Lower Upper

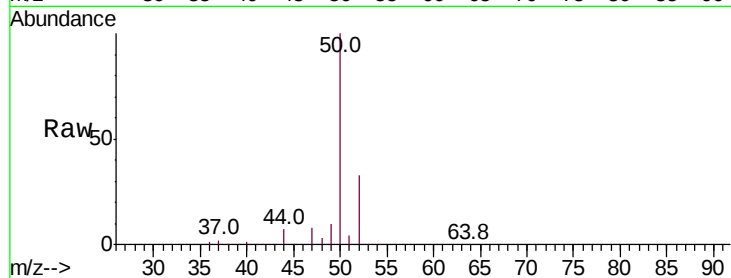
50 100

52 33.0 25.9 38.9

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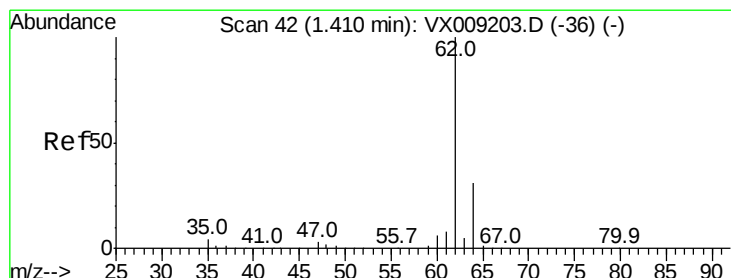
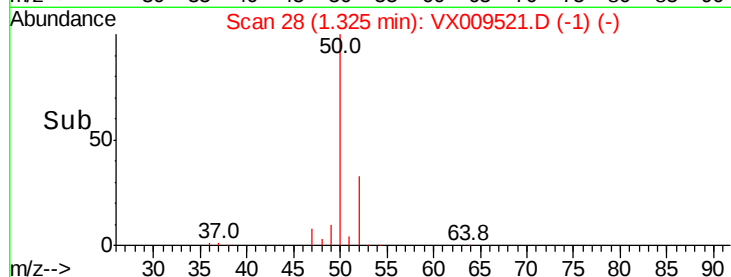
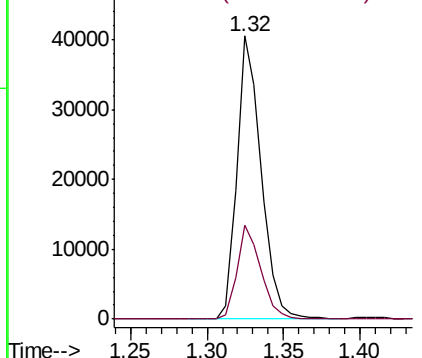
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.073 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009521.D

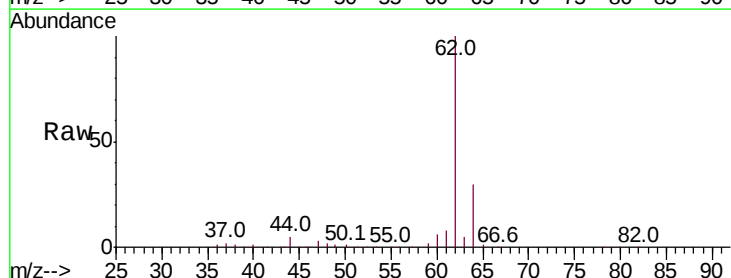
Acq: 11 May 2019 13:34

Tgt Ion: 62 Resp: 43218

Ion Ratio Lower Upper

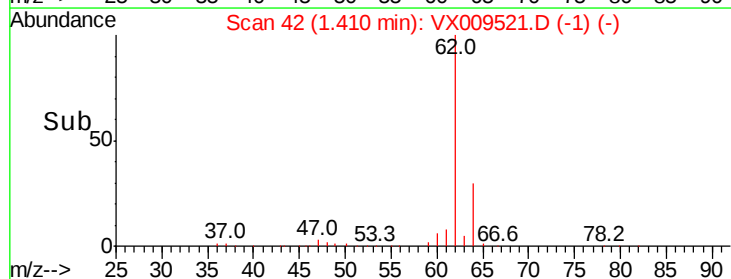
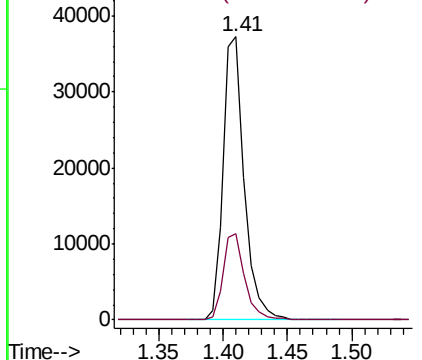
62 100

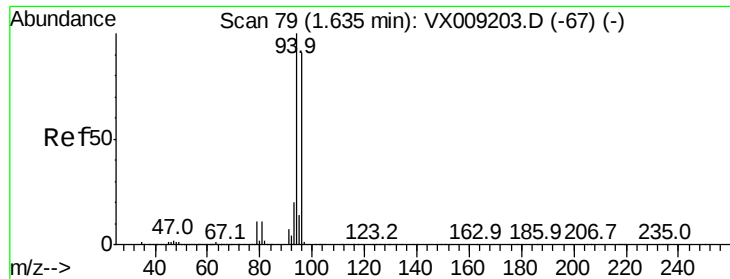
64 30.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.588 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 94 Resp: 27805

Ion Ratio Lower Upper

94 100

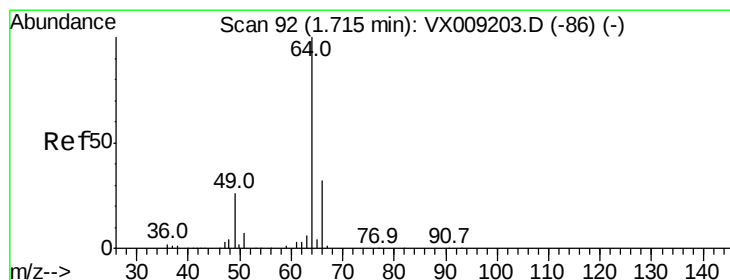
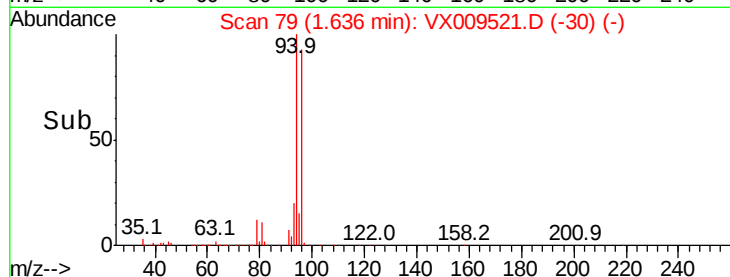
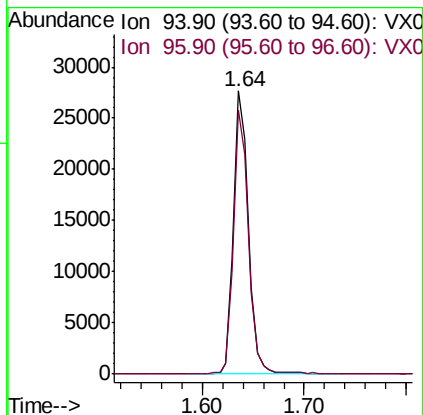
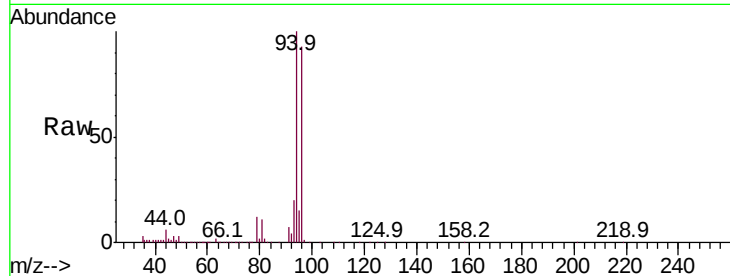
96 93.4 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 21.174 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009521.D

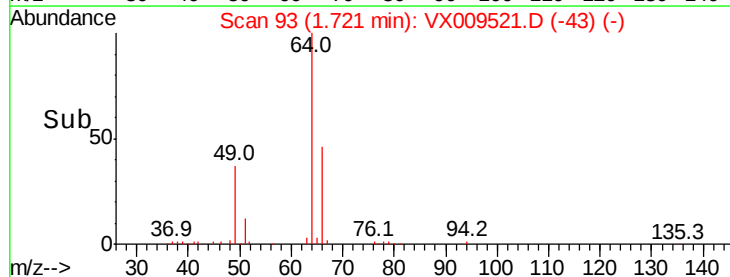
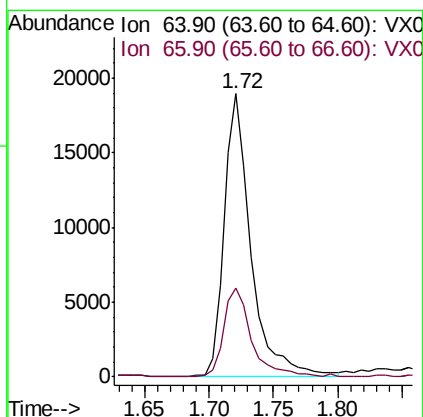
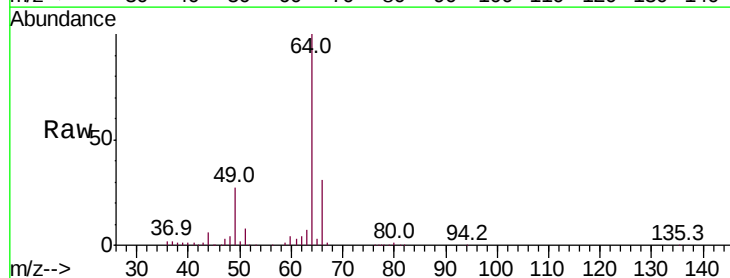
Acq: 11 May 2019 13:34

Tgt Ion: 64 Resp: 27880

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9





#7

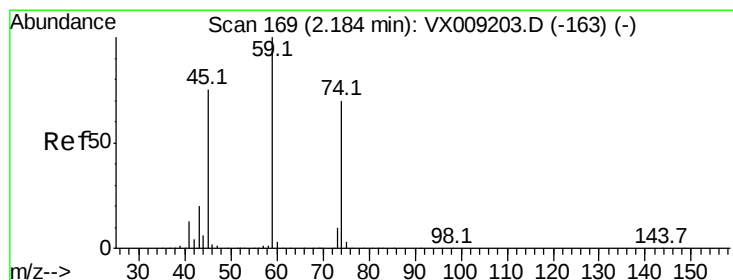
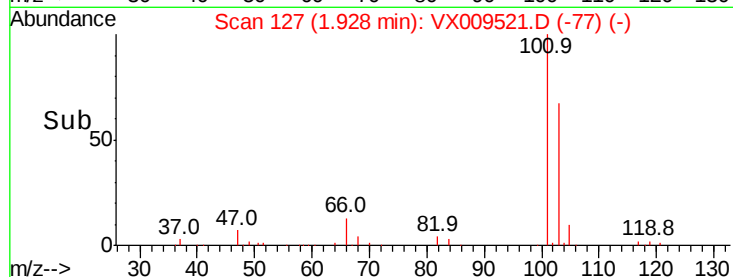
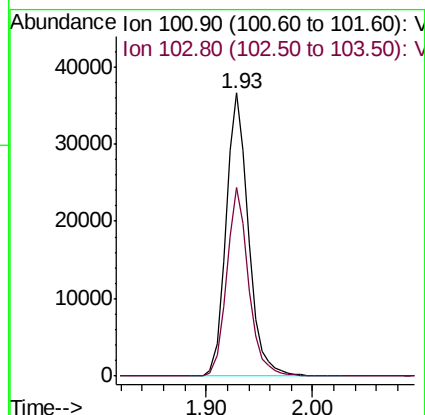
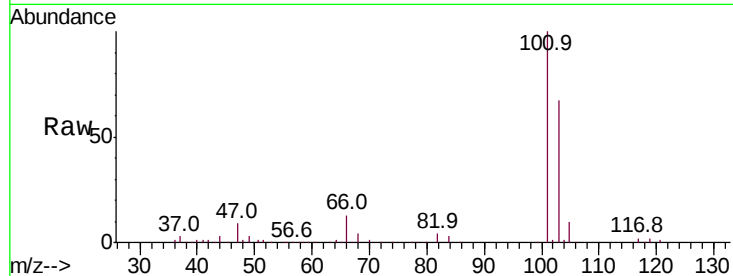
Trichlorofluoromethane
 Concen: 21.584 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Tot Ion:101 Resp: 53808
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.4 78.6

Manual Integrations
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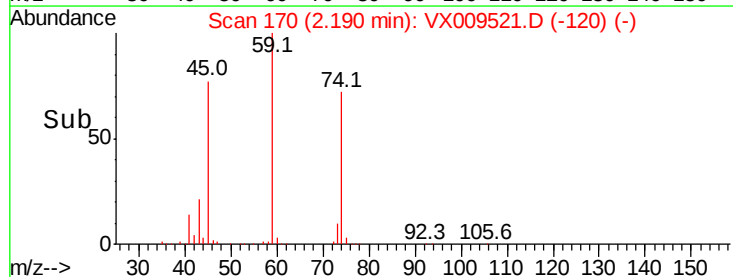
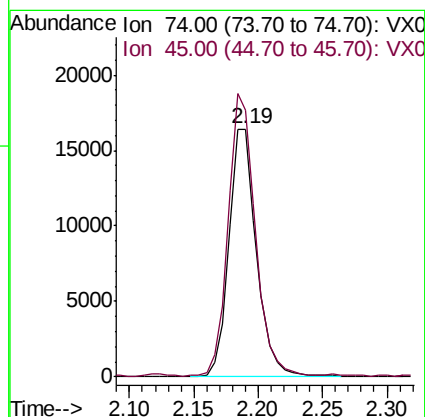
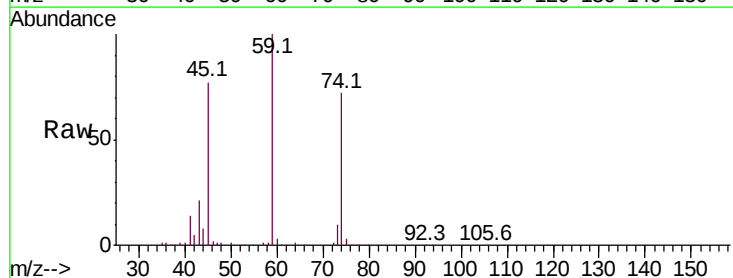
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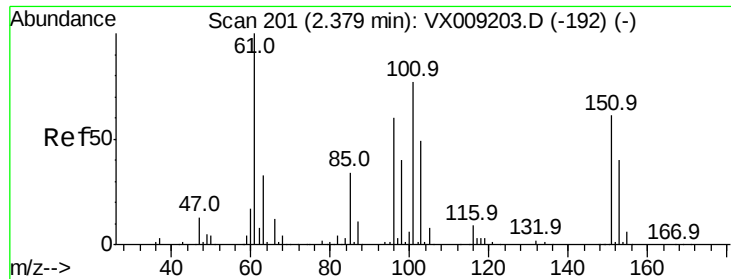


#8

Diethyl Ether
 Concen: 20.976 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Tgt Ion: 74 Resp: 24769
 Ion Ratio Lower Upper
 74 100
 45 111.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.084 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

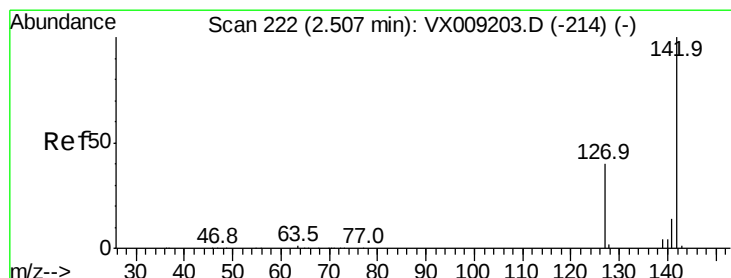
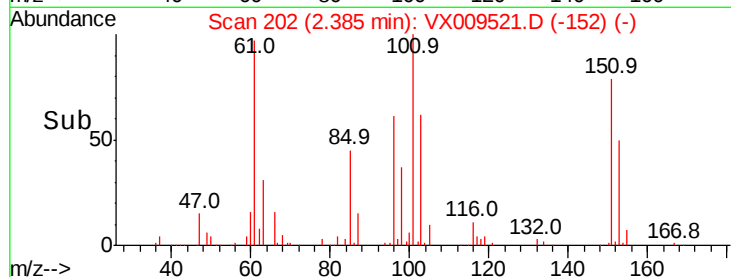
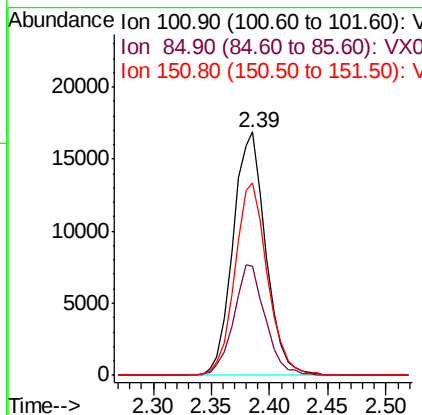
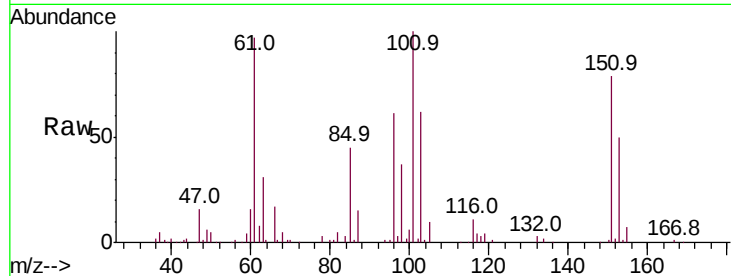
ClientSampleId :

VX0511WBSD01

Tot Ion:	101	Resp:	33007
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.7	53.5
151	79.0	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 22.506 ug/l

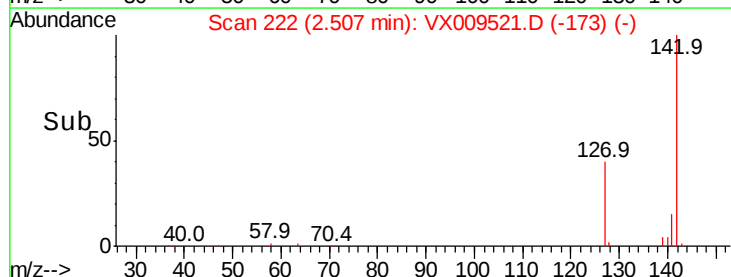
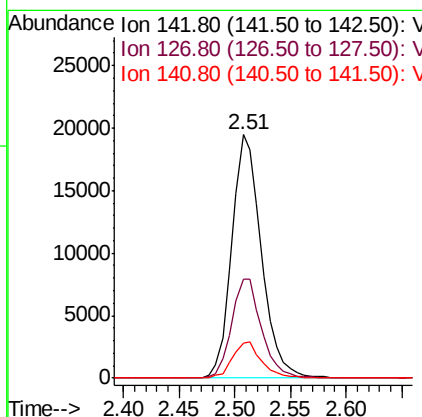
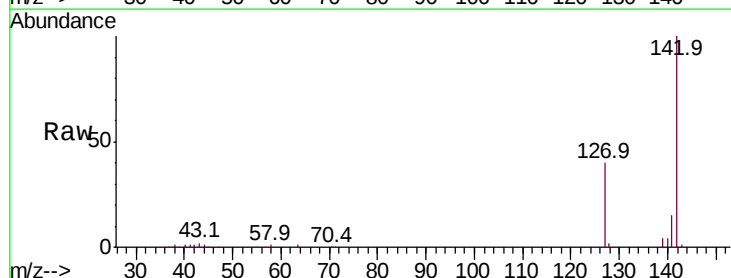
RT: 2.51 min Scan# 222

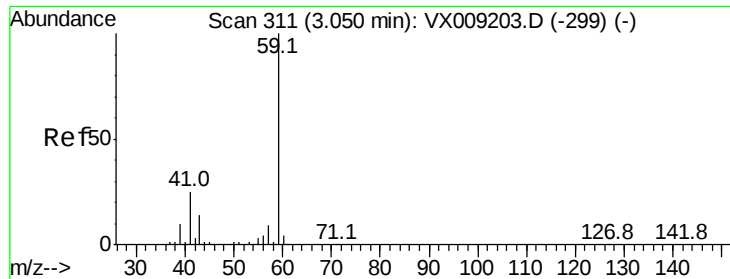
Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Tgt Ion:	142	Resp:	35877
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.7	49.1
141	14.7	11.5	17.3





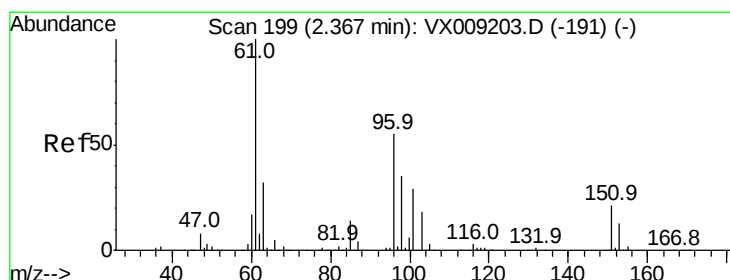
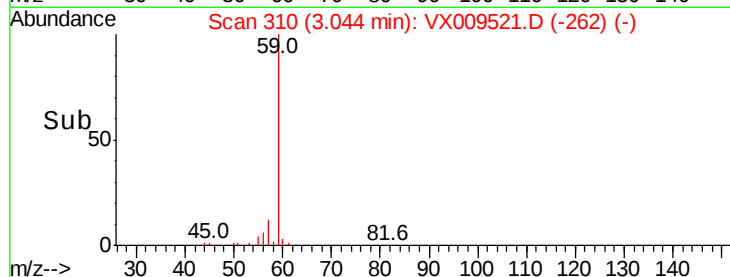
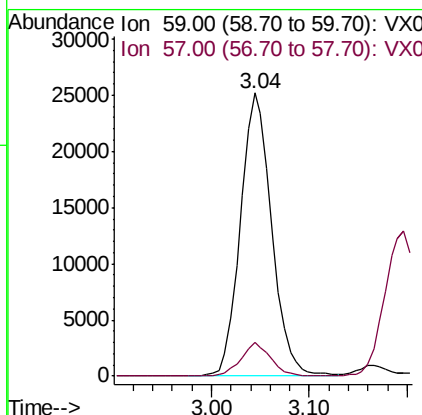
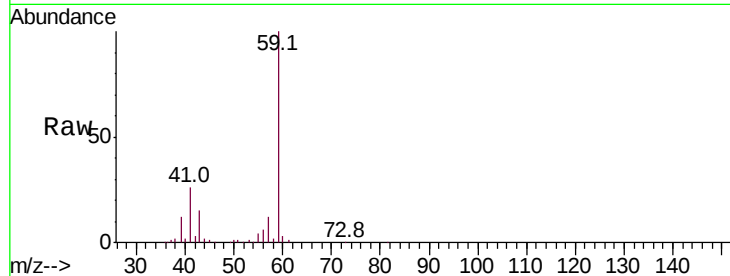
#11
Tert butyl alcohol
Concen: 105.678 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion: 59 Resp: 55823
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.2

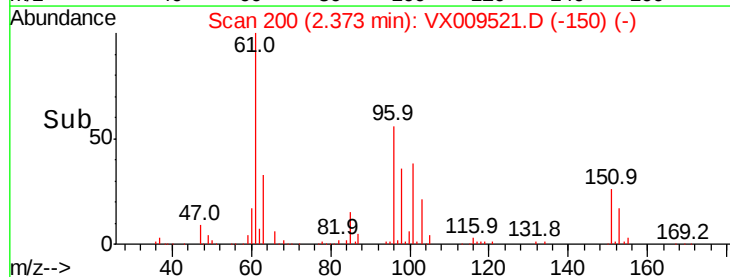
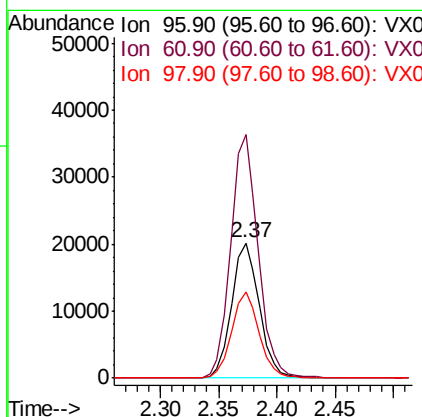
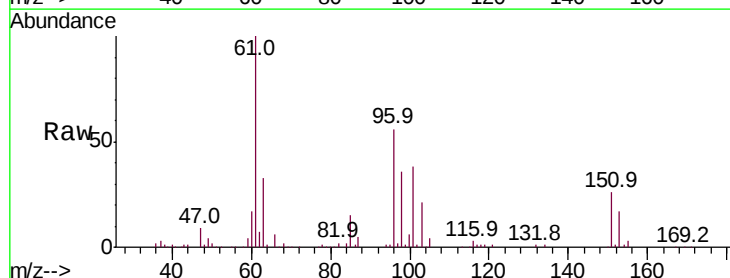
Manual Integrations
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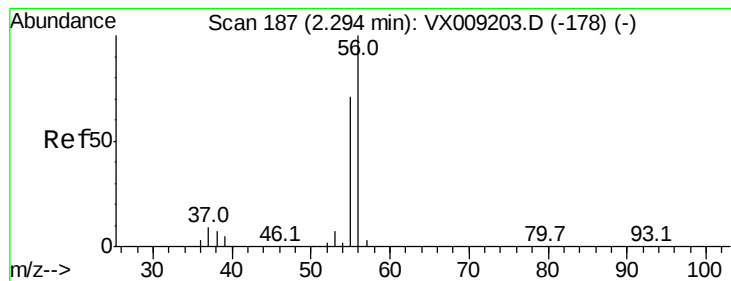
MMDadoda
5/13/2019 4:27:10 PM



#12
1,1-Dichloroethene
Concen: 21.271 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion: 96 Resp: 33364
Ion Ratio Lower Upper
96 100
61 180.1 144.3 216.5
98 64.1 50.3 75.5





#13

Acrolein

Concen: 89.227 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 56 Resp: 42685

Ion Ratio Lower Upper

56 100

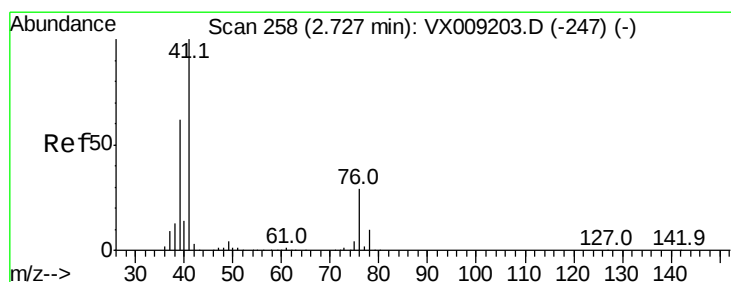
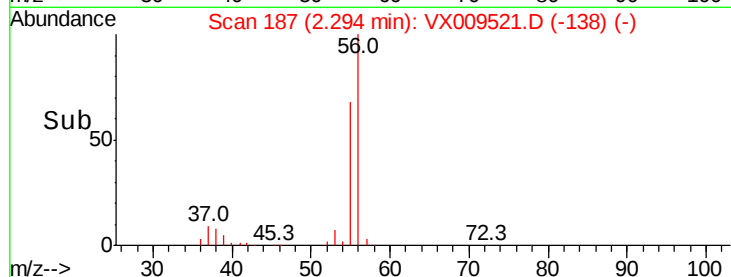
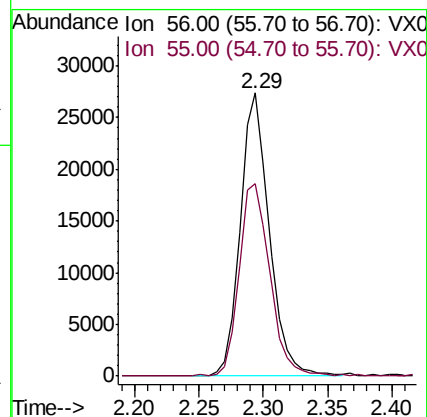
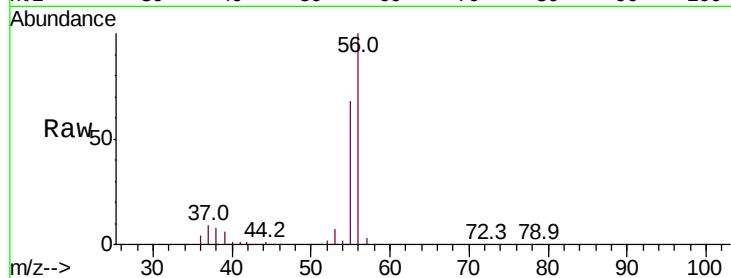
55 72.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.549 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

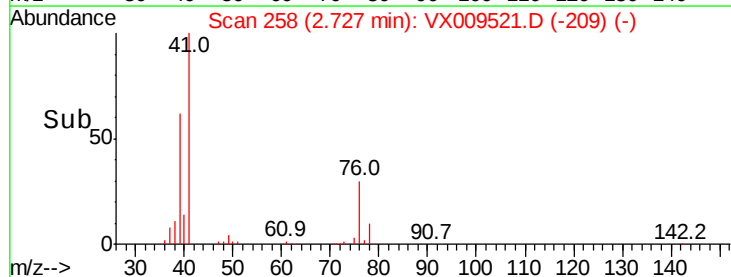
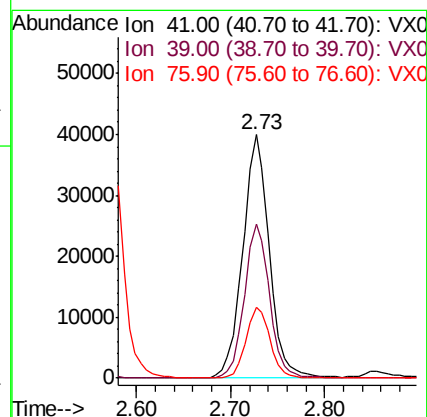
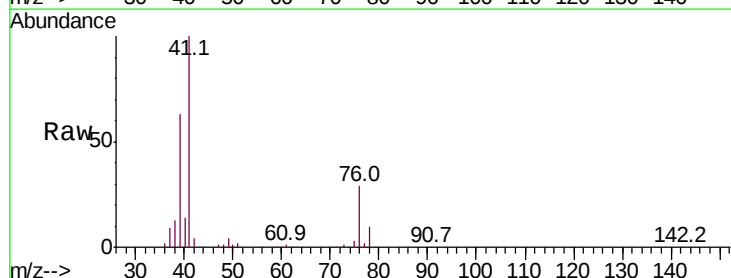
Tgt Ion: 41 Resp: 78548

Ion Ratio Lower Upper

41 100

39 60.2 46.7 70.1

76 26.7 21.8 32.8





#15

Acrylonitrile

Concen: 104.484 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

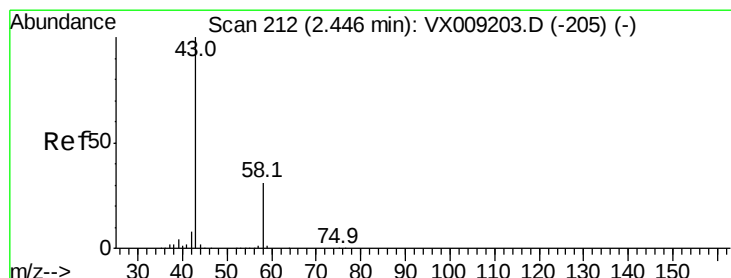
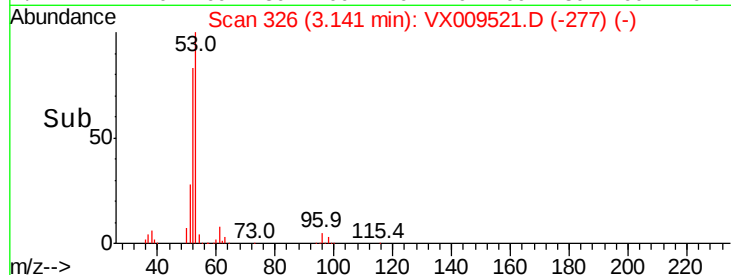
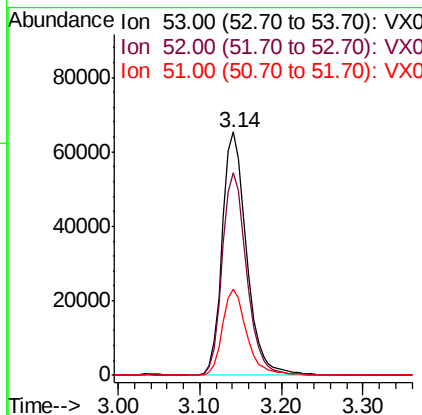
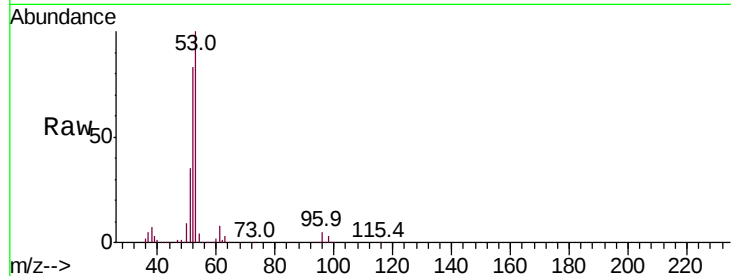
ClientSampleId :

VX0511WBSD01

Tot Ion:	53	Resp:	134949
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.9	100.3
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 100.842 ug/l

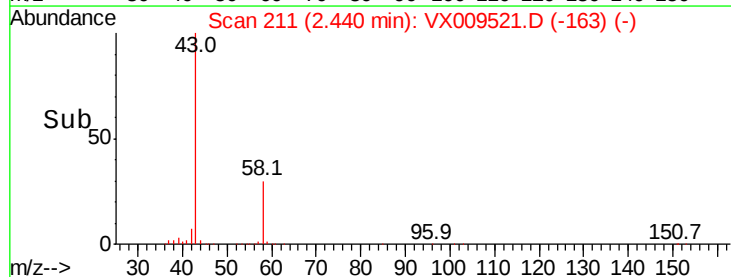
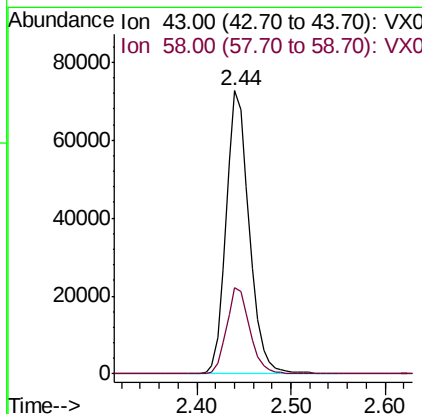
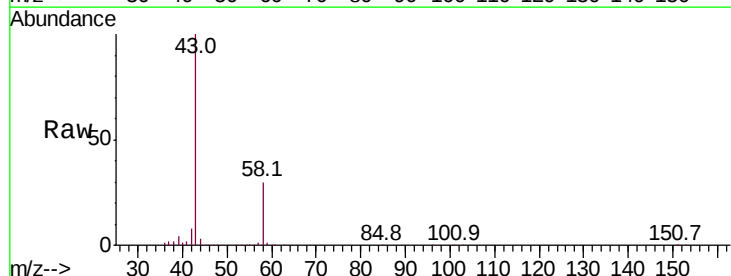
RT: 2.44 min Scan# 211

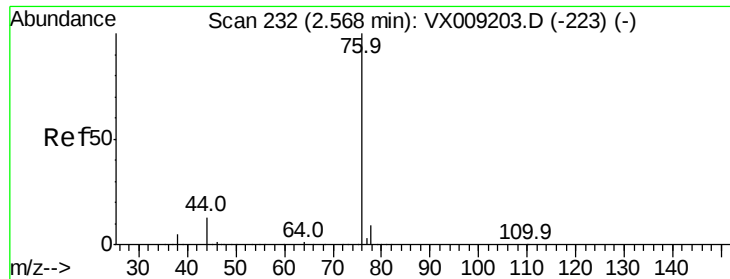
Delta R.T. -0.01 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Tgt Ion:	43	Resp:	123568
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.9	37.3





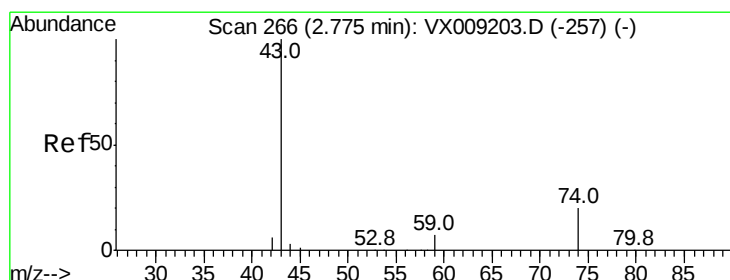
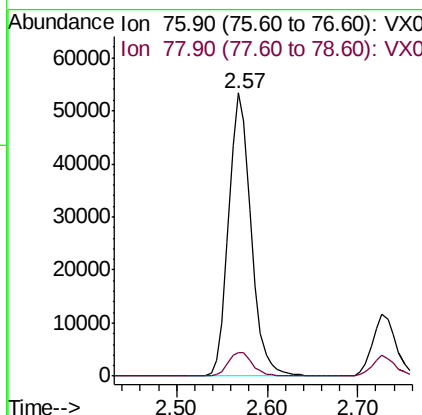
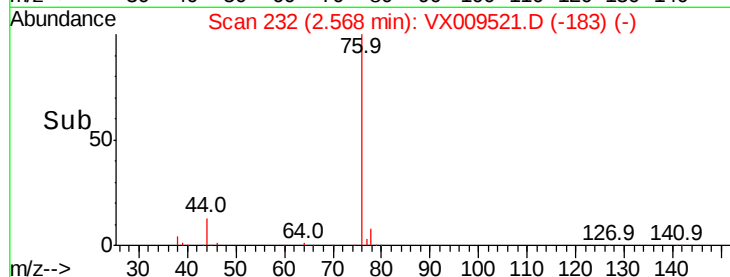
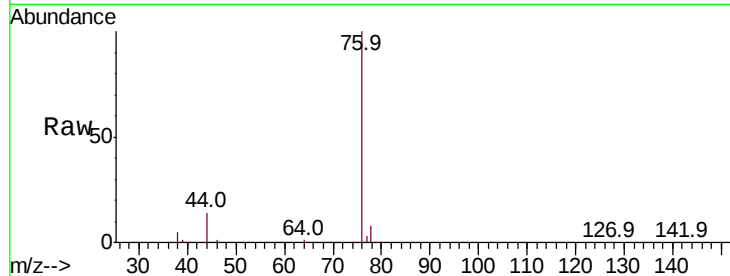
#17
Carbon Disulfide
Concen: 20.787 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion: 76 Resp: 91542
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0

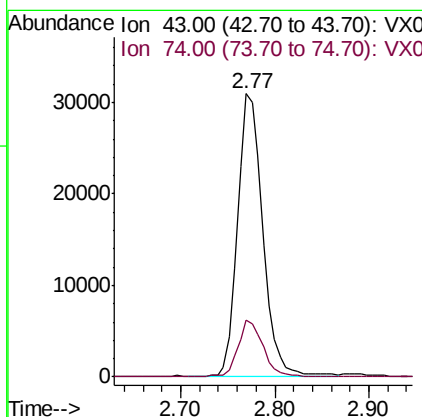
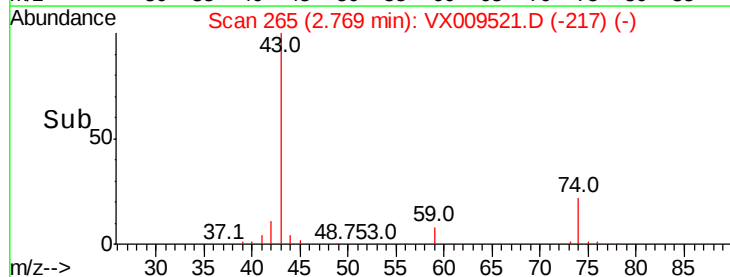
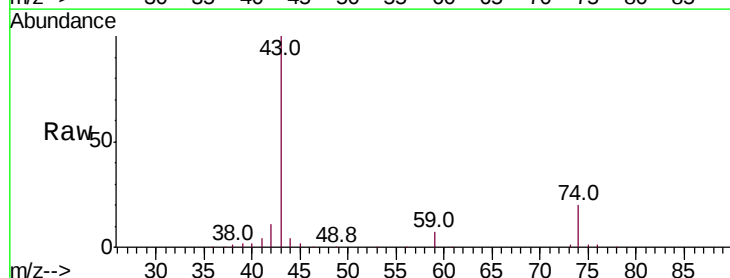
Manual Integrations
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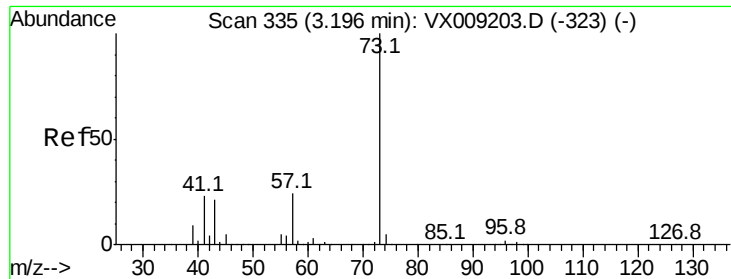
MMDadoda
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#18
Methyl Acetate
Concen: 19.789 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion: 43 Resp: 57669
Ion Ratio Lower Upper
43 100
74 20.3 16.2 24.4





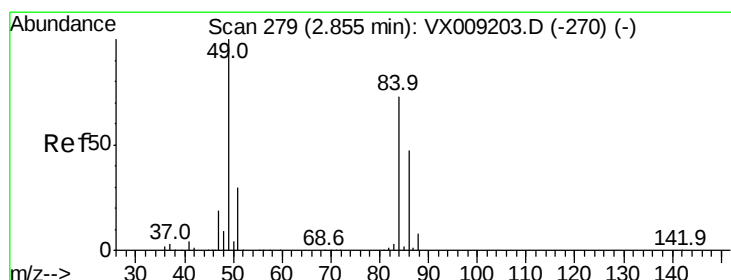
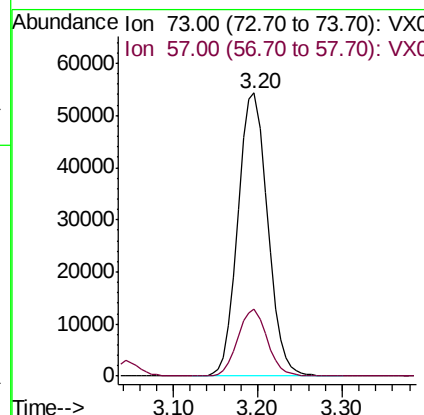
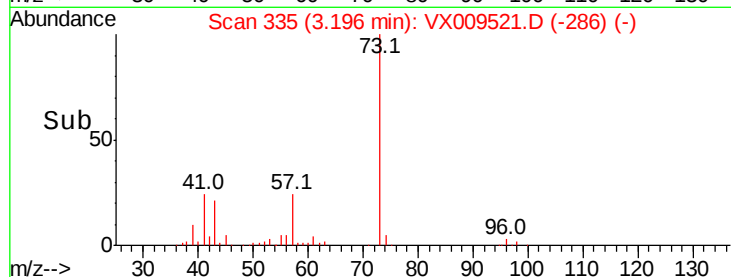
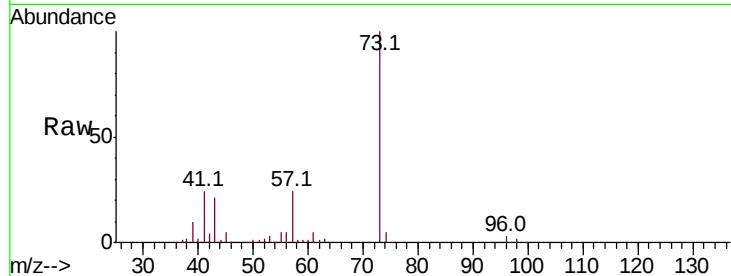
#19
Methvl tert-butvl Ether
Concen: 21.284 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.3	28.9

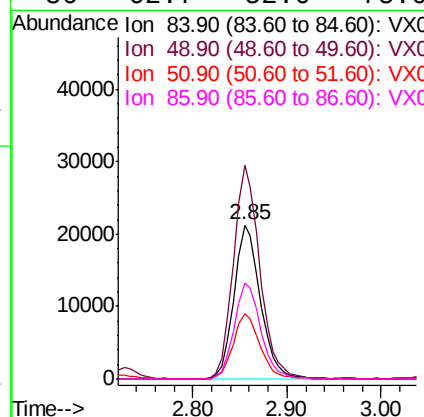
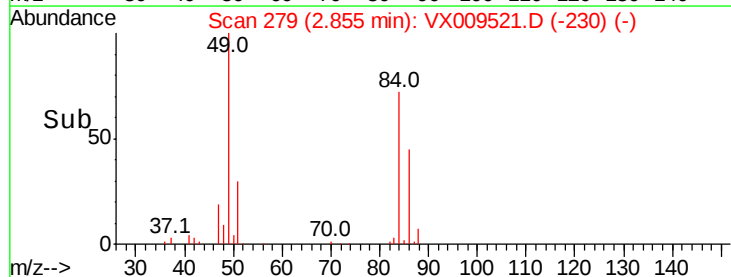
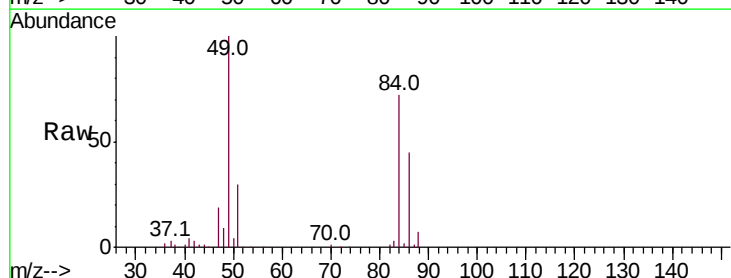
Manual Integrations
APPROVED

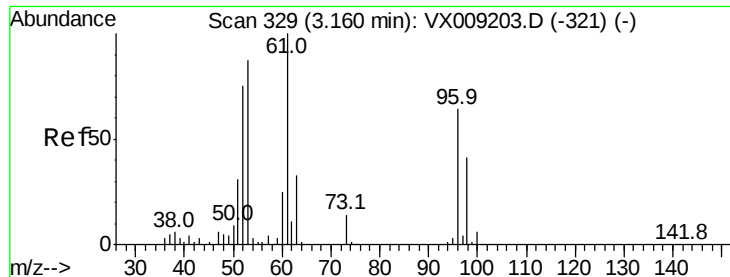
MMDadoda
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#20
Methylene Chloride
Concen: 20.853 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.6	109.9	164.9
51	42.3	32.7	49.1
86	62.7	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 21.310 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 96 Resp: 36249

Ion Ratio Lower Upper

96 100

61 159.8 124.5 186.7

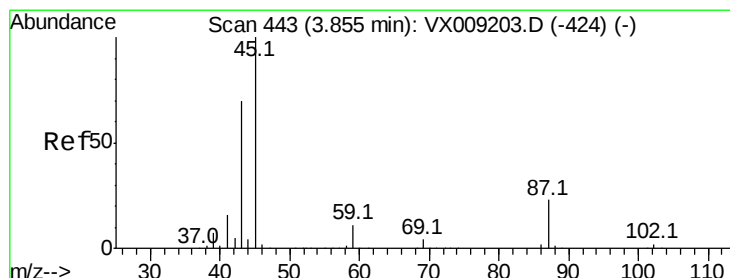
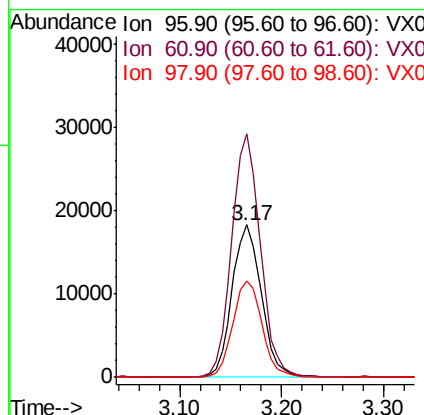
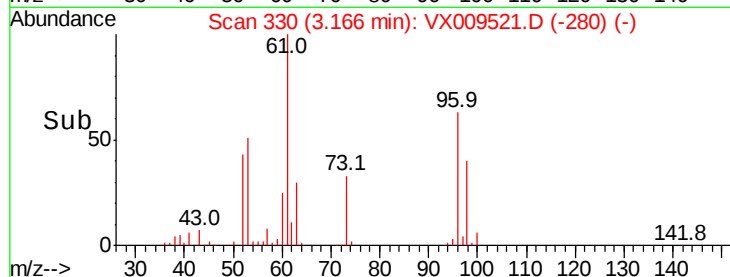
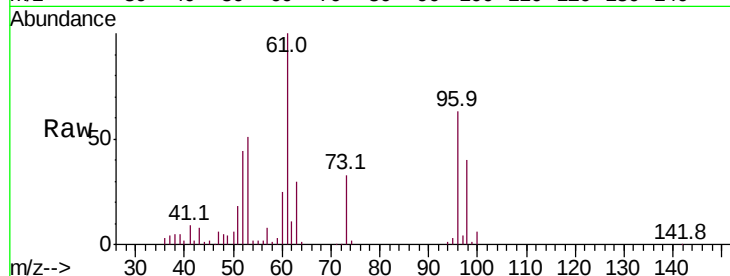
98 63.7 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.345 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Tgt Ion: 45 Resp: 156909

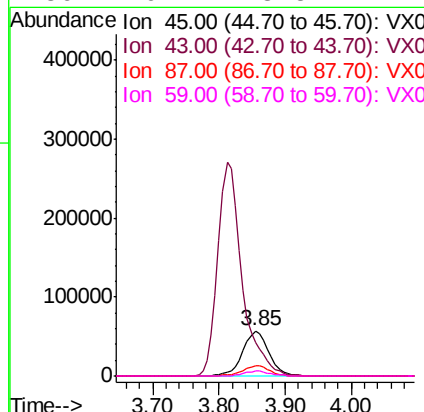
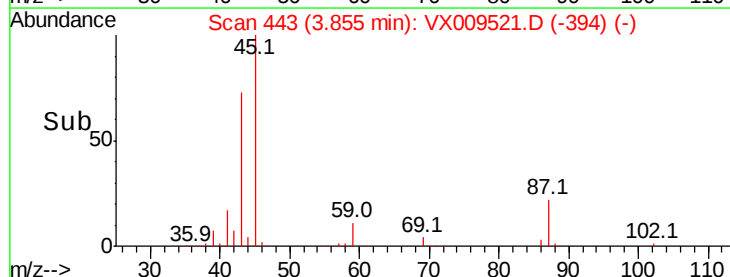
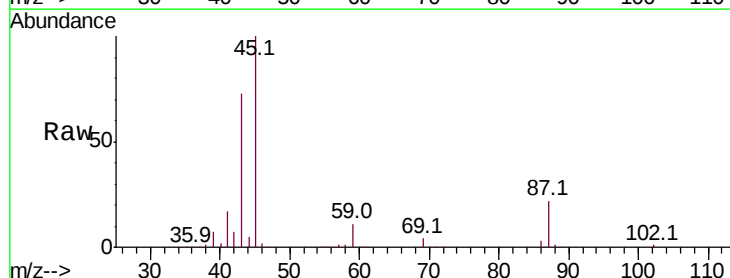
Ion Ratio Lower Upper

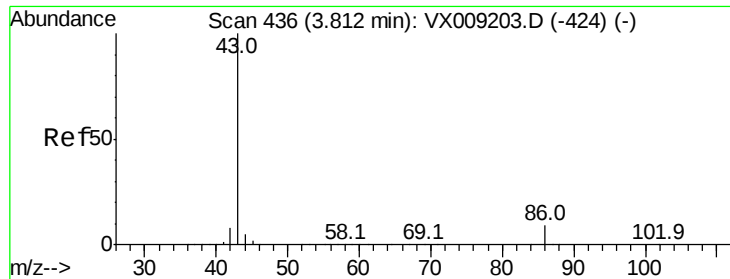
45 100

43 72.4 56.1 84.1

87 22.4 18.1 27.1

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 110.300 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 43 Resp: 694317

Ion Ratio Lower Upper

43 100

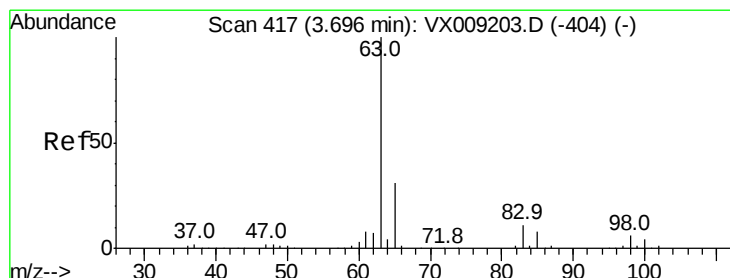
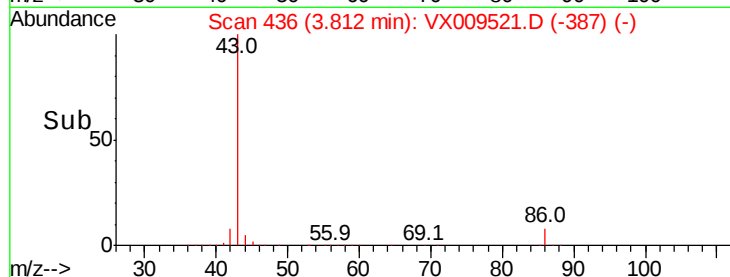
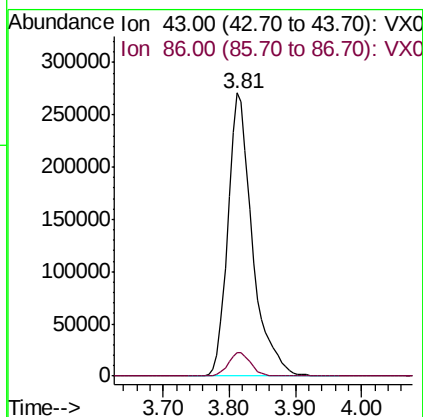
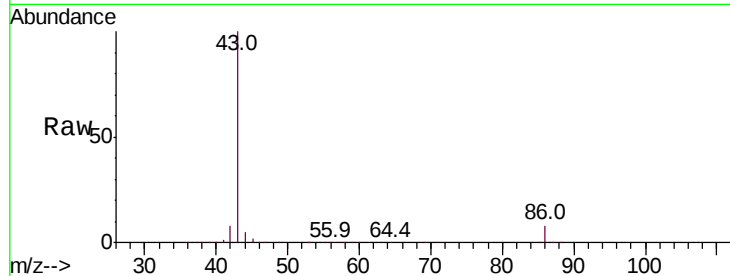
86 8.2 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.976 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

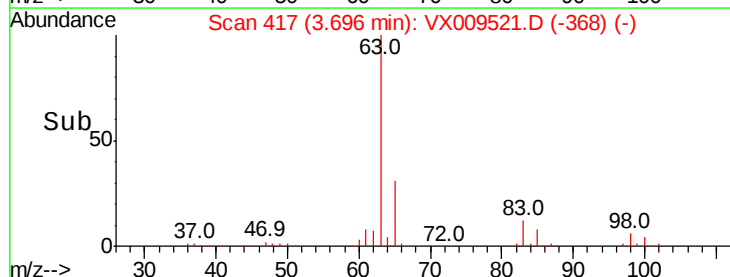
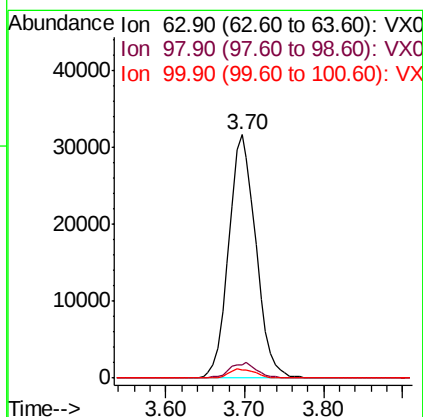
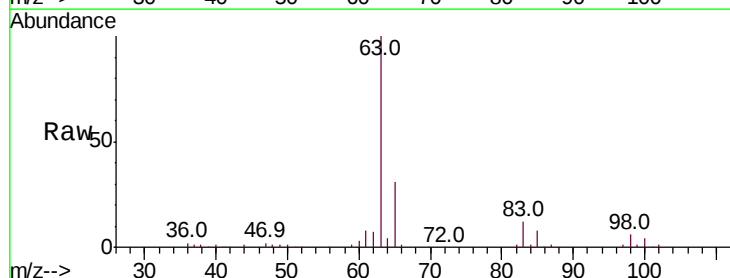
Tgt Ion: 63 Resp: 76068

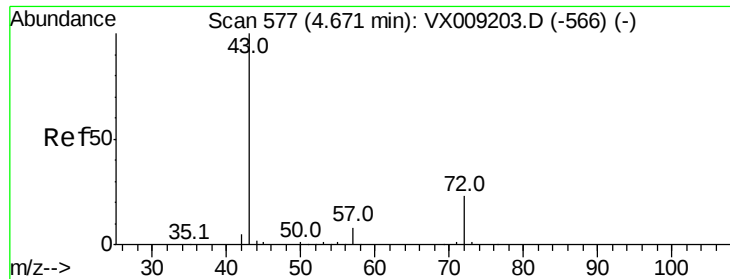
Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 105.907 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 43 Resp: 201666

Ion Ratio Lower Upper

43 100

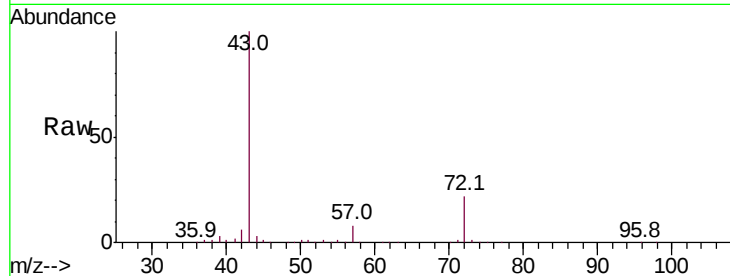
72 22.1 18.2 27.2

Manual Integrations

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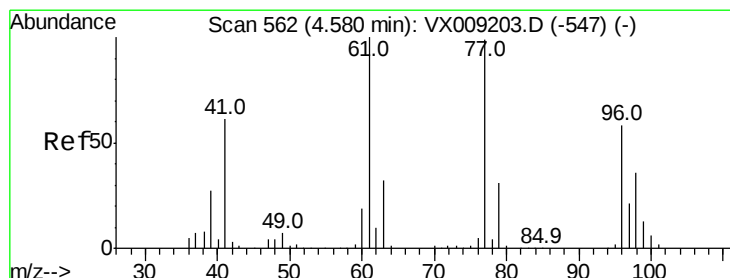
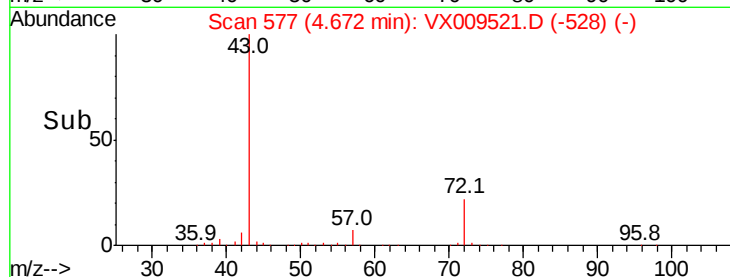
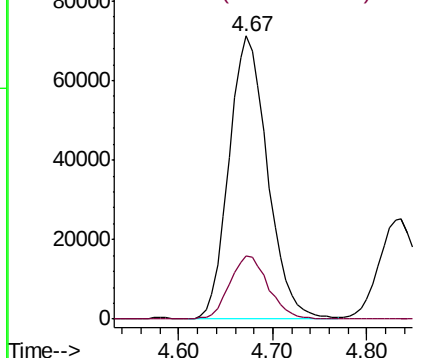
MMDadoda

5/13/2019 4:27:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.755 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009521.D

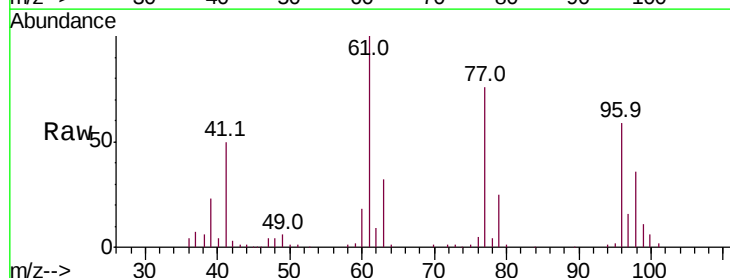
Acq: 11 May 2019 13:34

Tgt Ion: 77 Resp: 53325

Ion Ratio Lower Upper

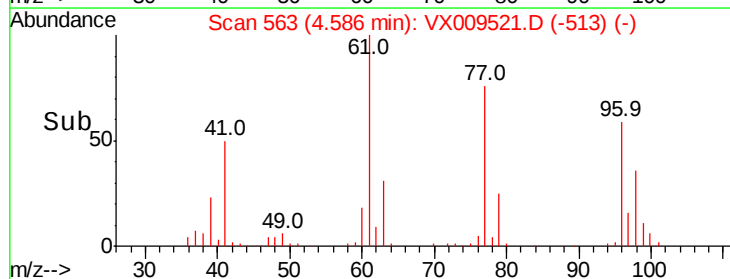
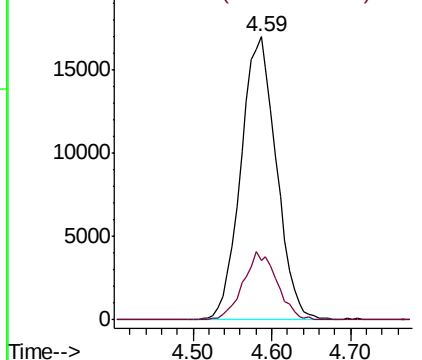
77 100

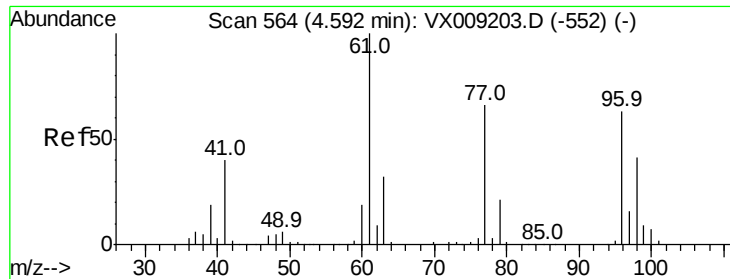
97 22.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

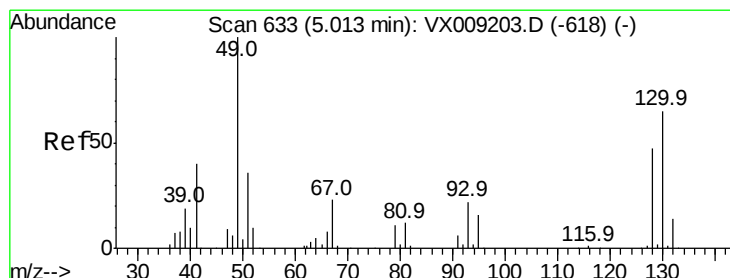
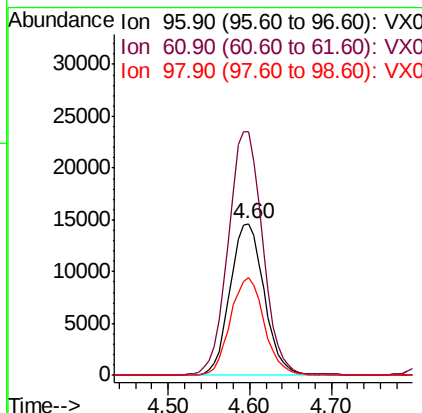
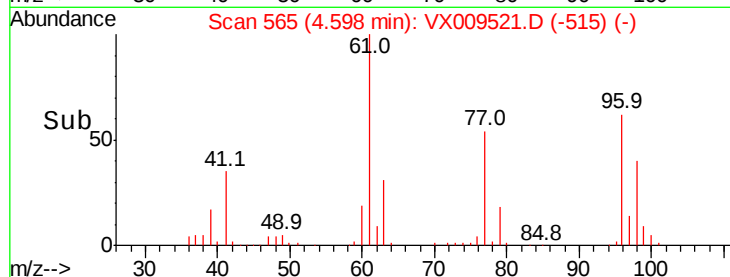
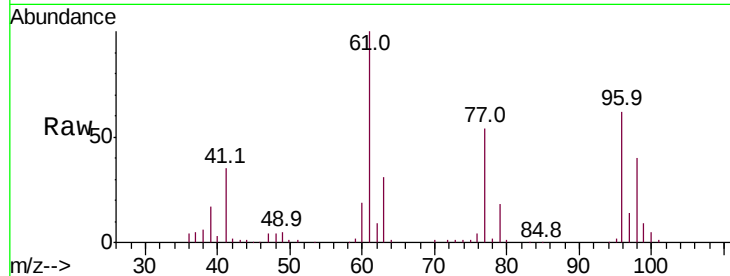
cis-1,2-Dichloroethene
Concen: 20.920 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.1	0.0	324.0
98	63.7	0.0	130.4

Manual Integrations
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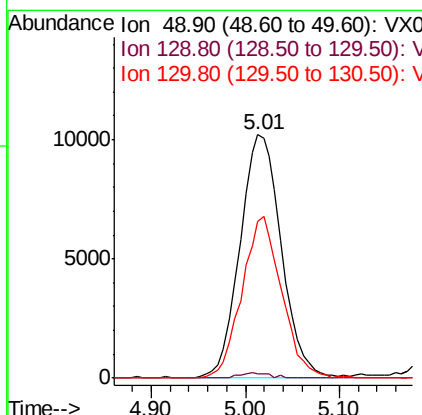
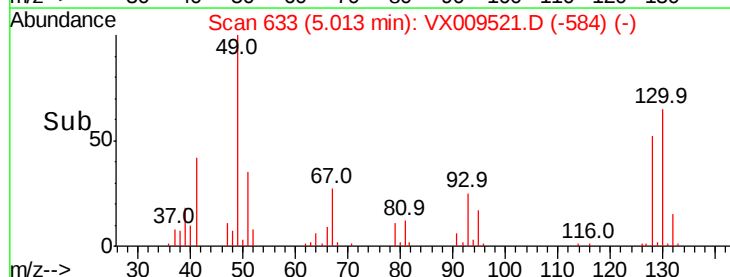
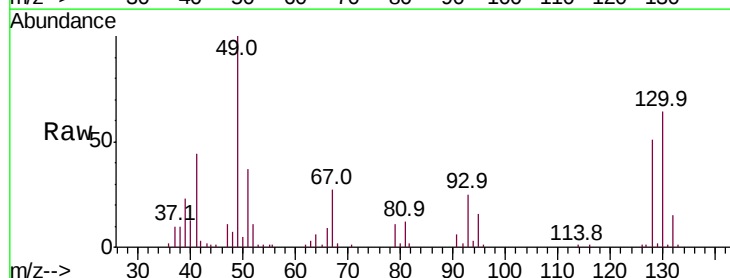
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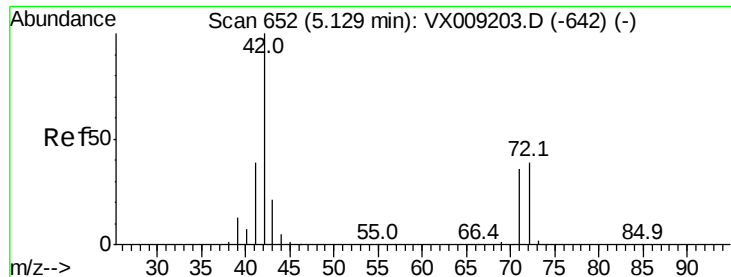


#28

Bromochloromethane
Concen: 19.866 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	63.4	51.2	76.8





#29

Tetrahydrofuran

Concen: 108.203 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 42 Resp: 132585

Ion Ratio Lower Upper

42 100

72 37.5 30.4 45.6

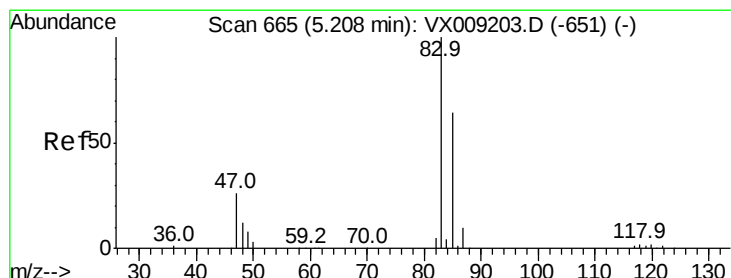
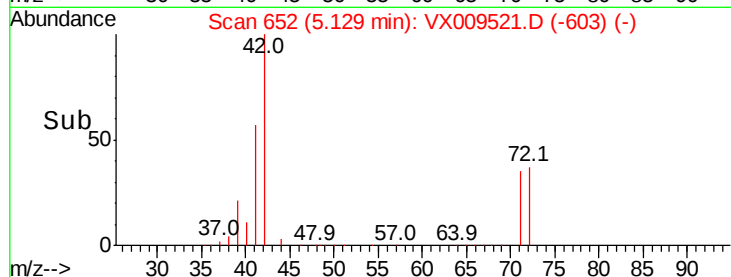
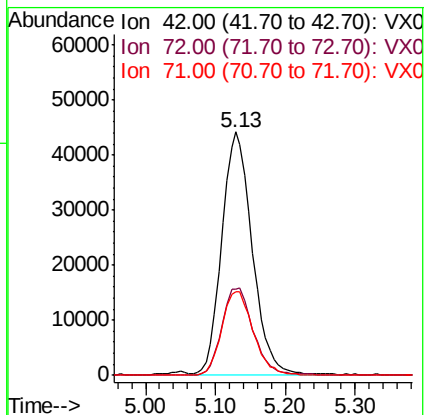
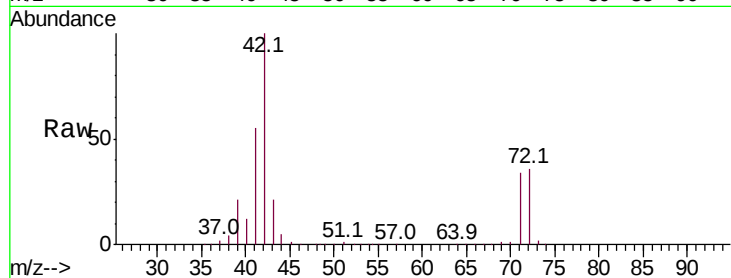
71 35.8 28.6 43.0

Manual Integrations

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#30

Chloroform

Concen: 21.434 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009521.D

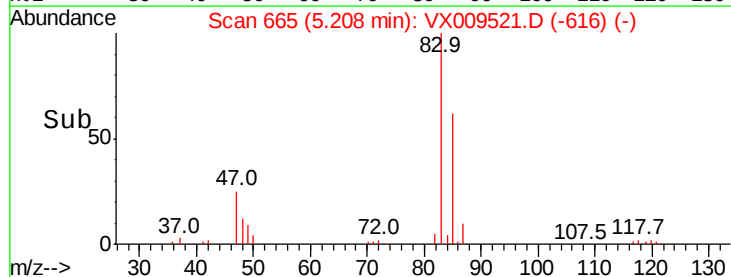
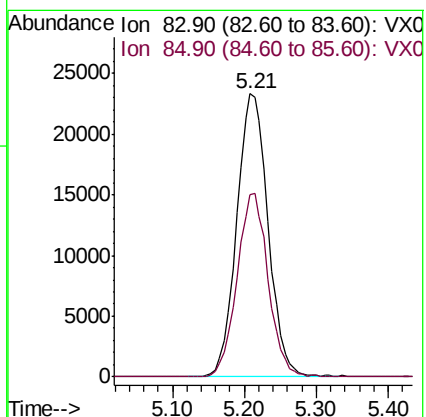
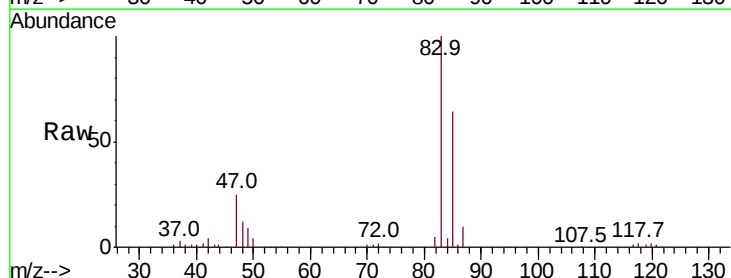
Acq: 11 May 2019 13:34

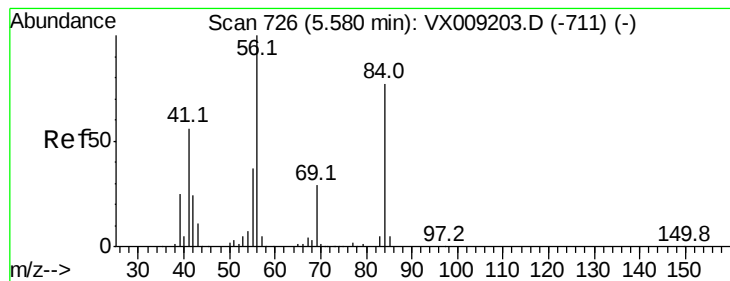
Tgt Ion: 83 Resp: 70299

Ion Ratio Lower Upper

83 100

85 64.4 51.5 77.3





#31

Cyclohexane

Concen: 21.507 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 56 Resp: 72563

Ion Ratio Lower Upper

56 100

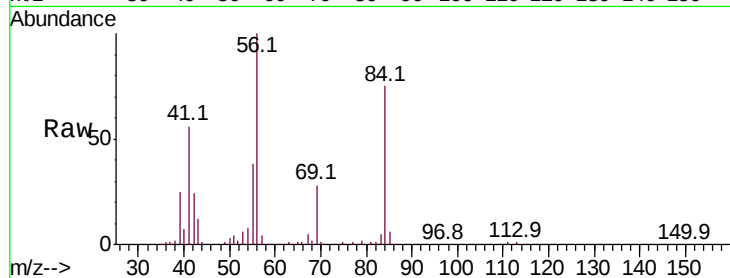
69 27.8 23.4 35.0

84 73.9 61.9 92.9

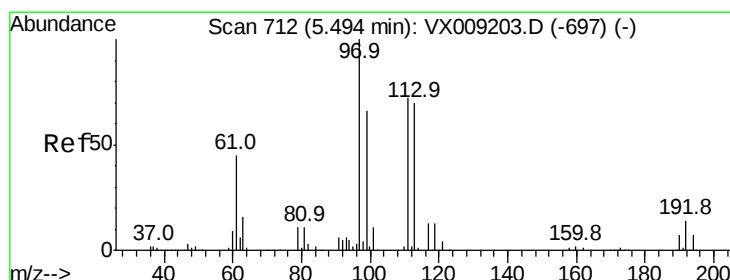
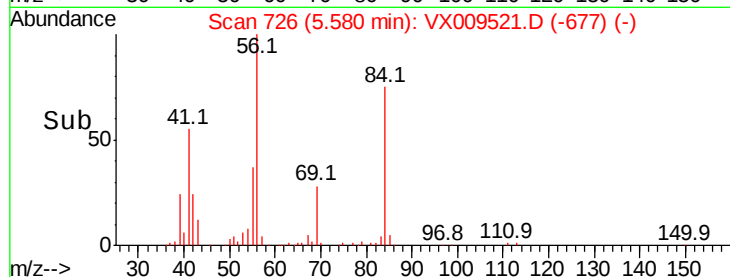
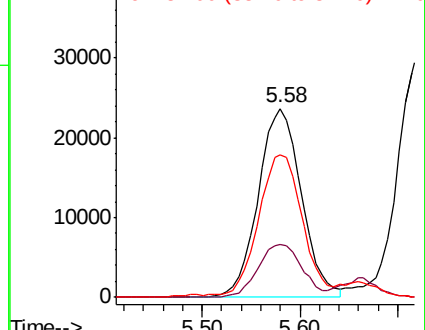
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 21.018 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

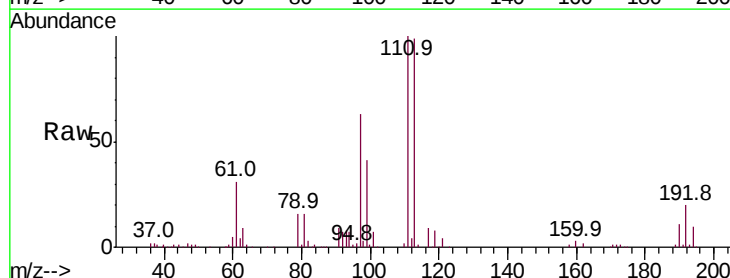
Tgt Ion: 97 Resp: 57387

Ion Ratio Lower Upper

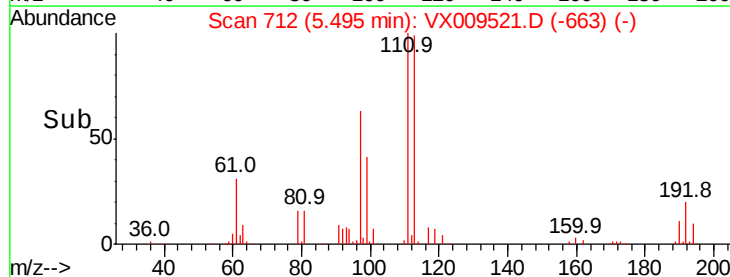
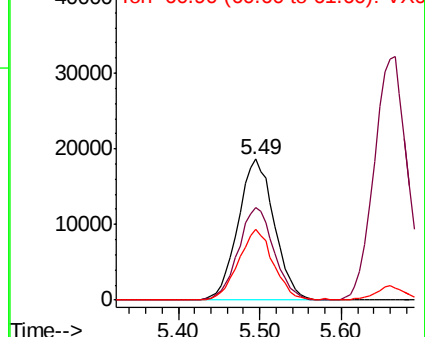
97 100

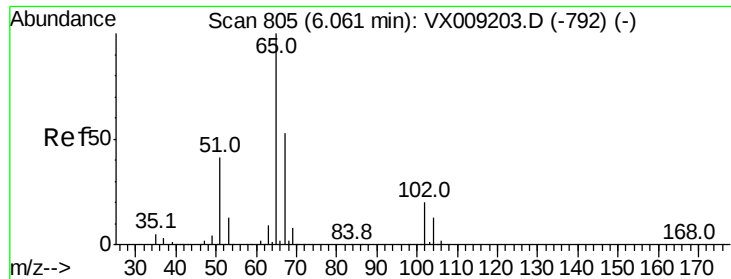
99 64.8 51.8 77.8

61 48.1 37.8 56.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.010 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 65 Resp: 114124

Ion Ratio Lower Upper

65 100

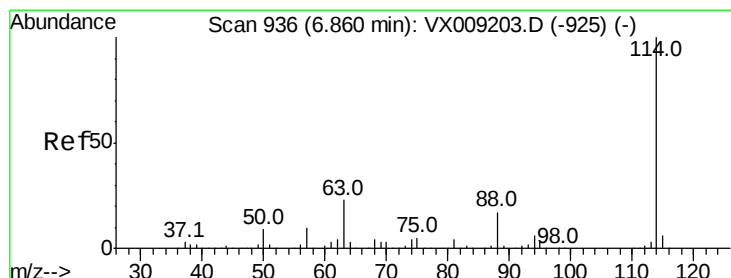
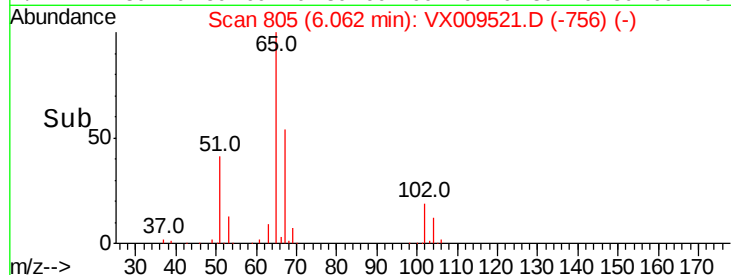
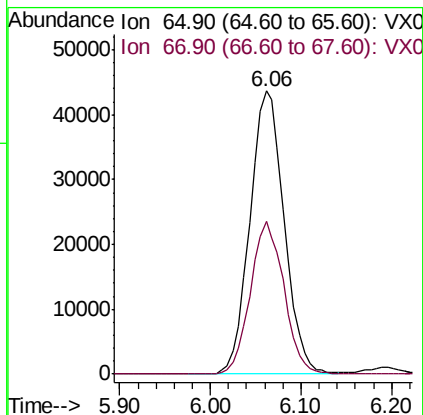
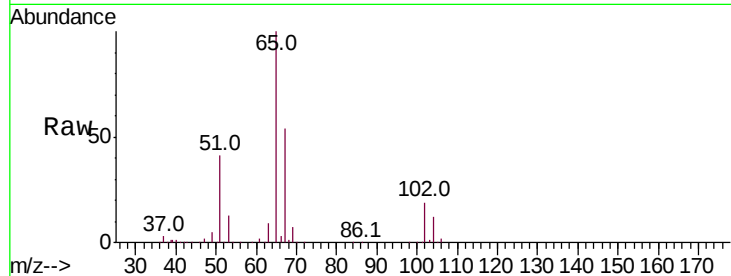
67 53.1 0.0 106.6

Manual Integrations

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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: VX009521.D

Acq: 11 May 2019 13:34

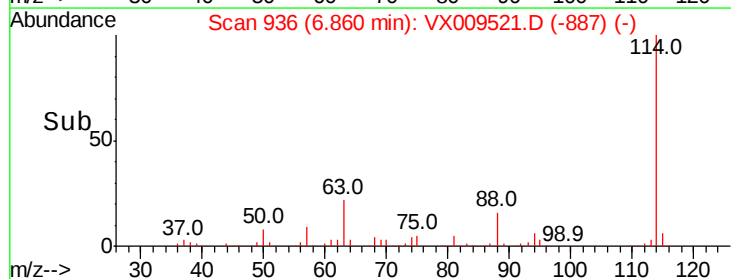
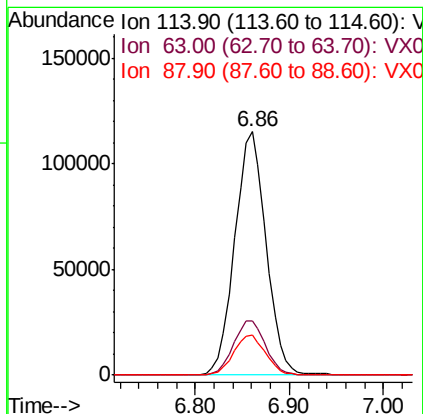
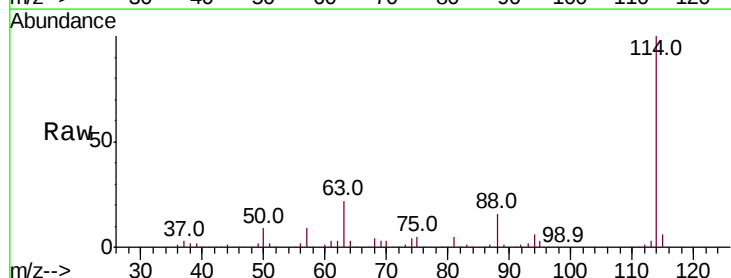
Tgt Ion: 114 Resp: 266196

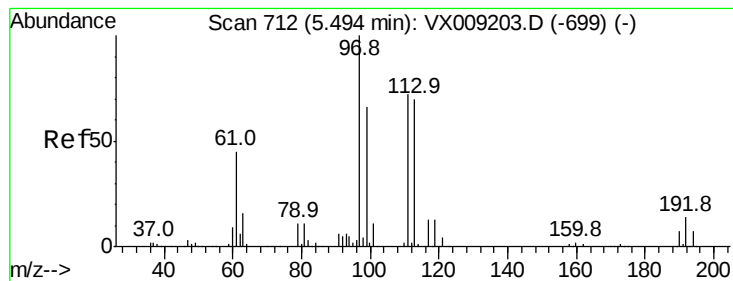
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.593 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

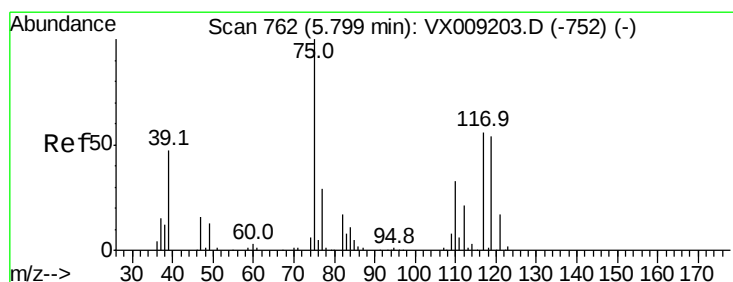
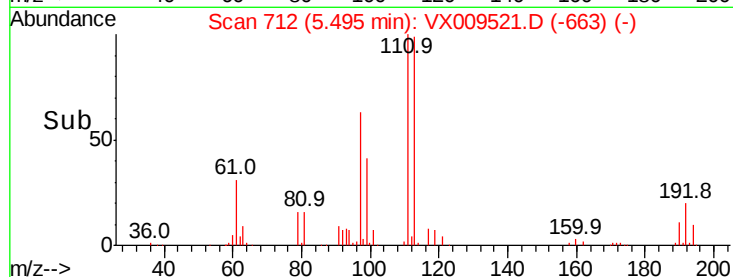
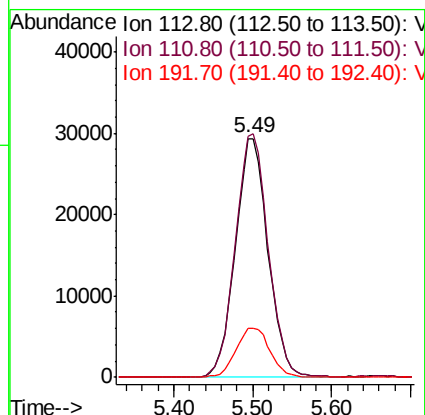
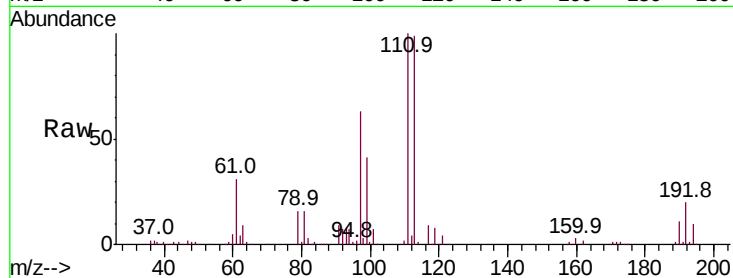
ClientSampleId :

VX0511WBSD01

Tot Ion:	113	Resp:	84663
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	21.3	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.128 ug/l

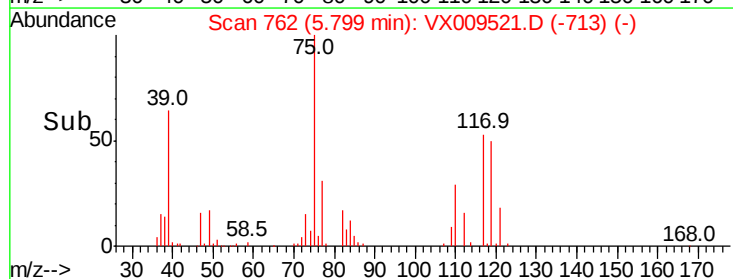
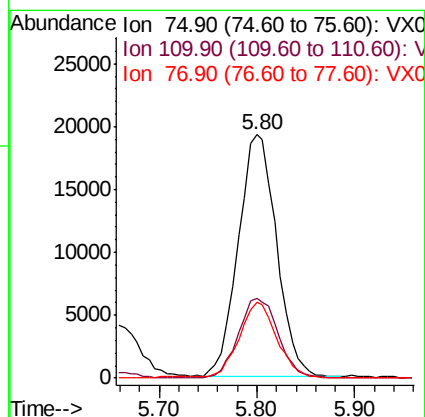
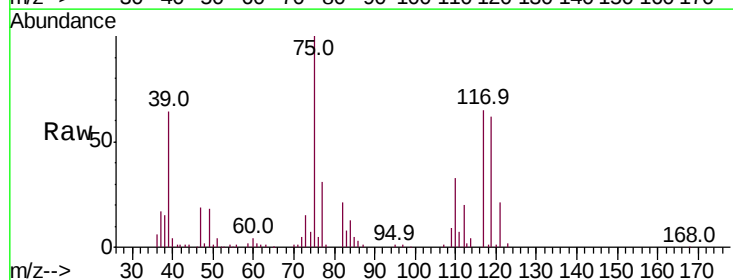
RT: 5.80 min Scan# 762

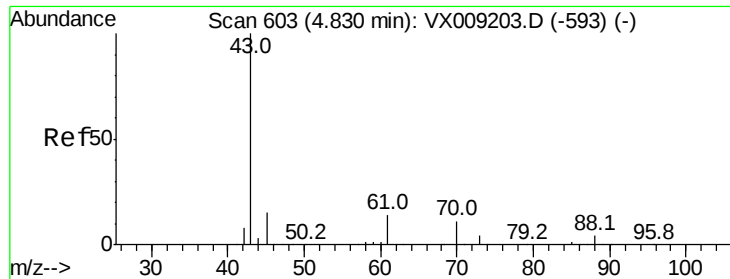
Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Tgt Ion:	75	Resp:	52266
Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.0	24.8	37.2





#37

Ethyl Acetate

Concen: 21.626 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

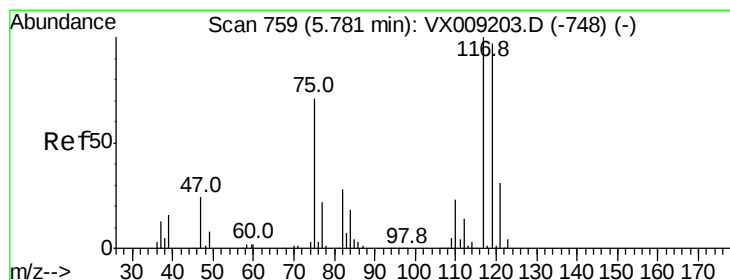
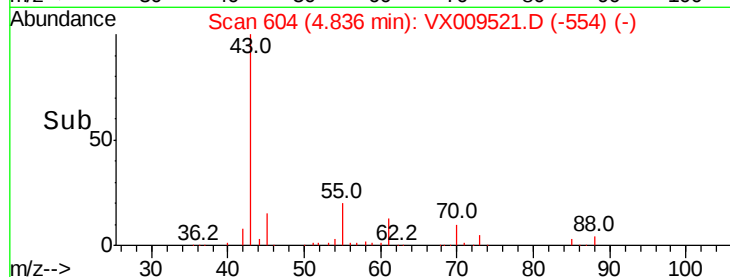
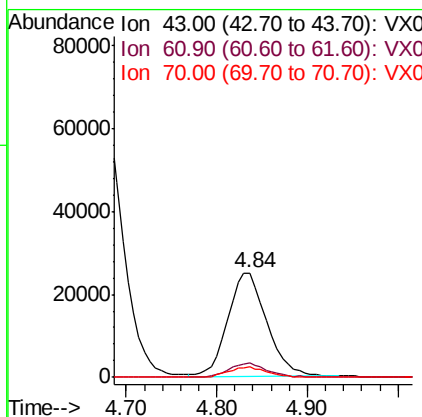
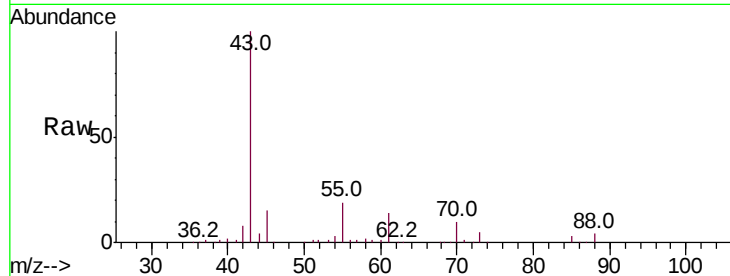
ClientSampleId :

VX0511WBSD01

Tot Ion:	43	Resp:	74539
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	9.8	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.366 ug/l

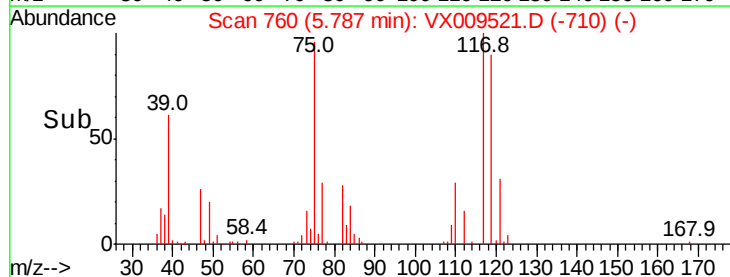
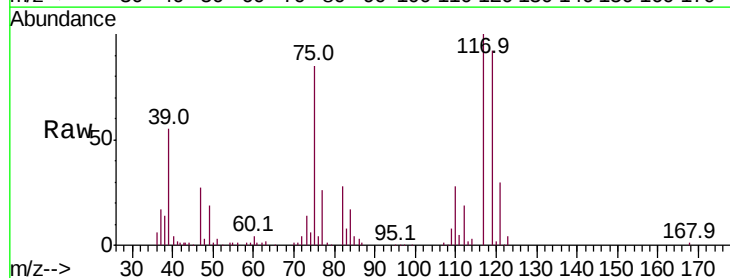
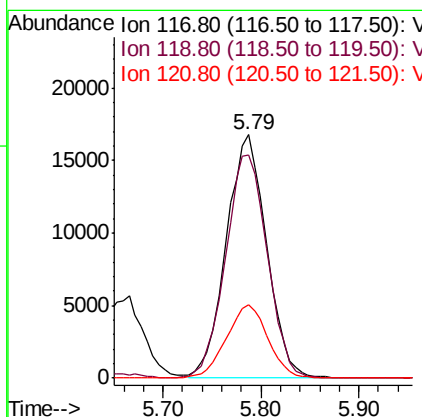
RT: 5.79 min Scan# 760

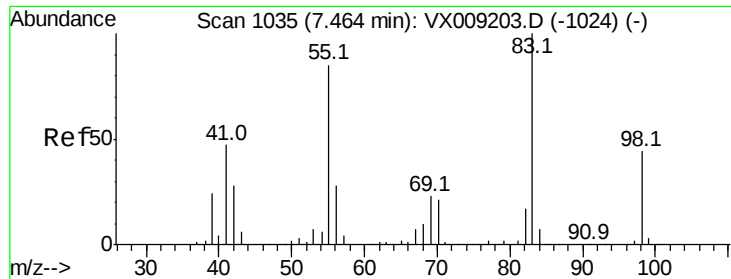
Delta R.T. 0.01 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Tgt Ion:	117	Resp:	48022
Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.5	116.3
121	30.1	24.7	37.1





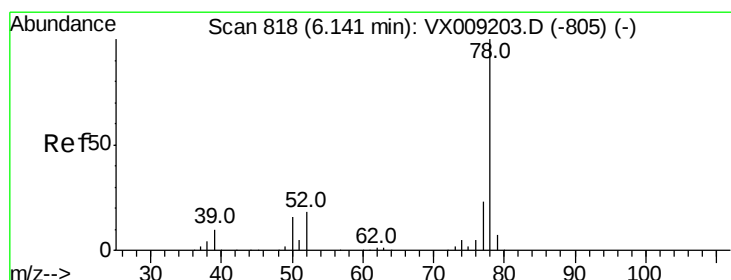
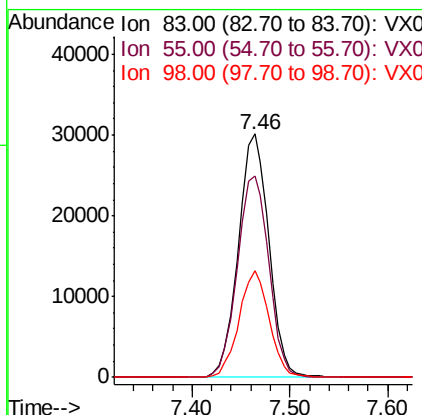
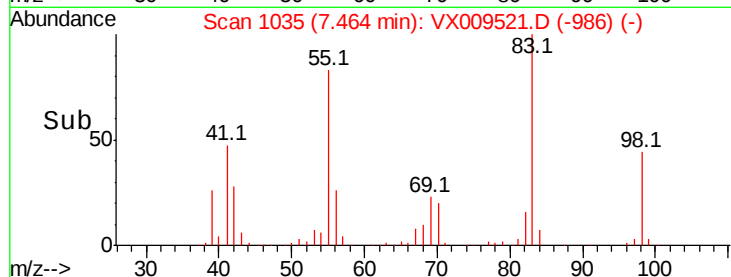
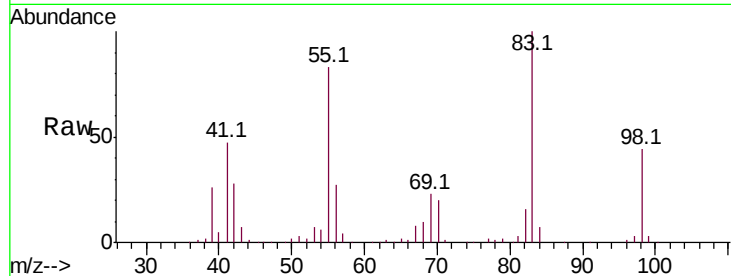
#39
Methvlcvclohexane
Concen: 21.486 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	67.7	101.5
98	43.7	35.5	53.3

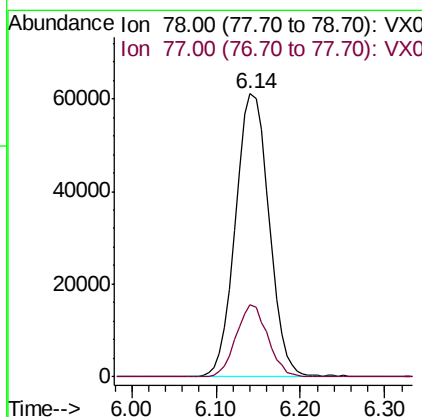
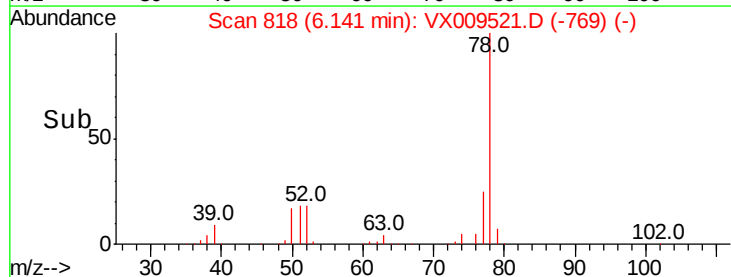
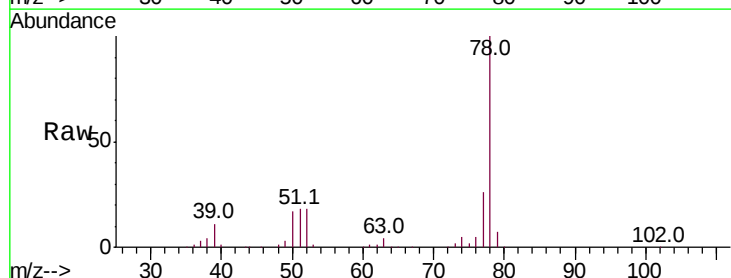
Manual Integrations
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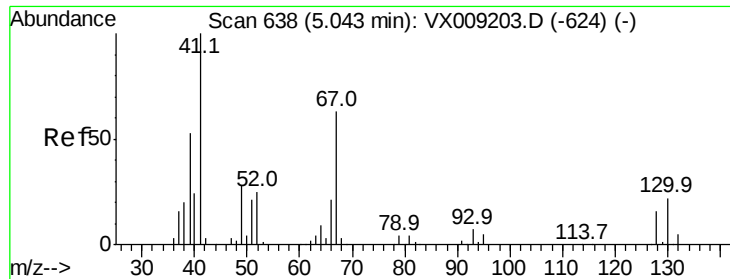
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#40
Benzene
Concen: 21.556 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	18.8	28.2





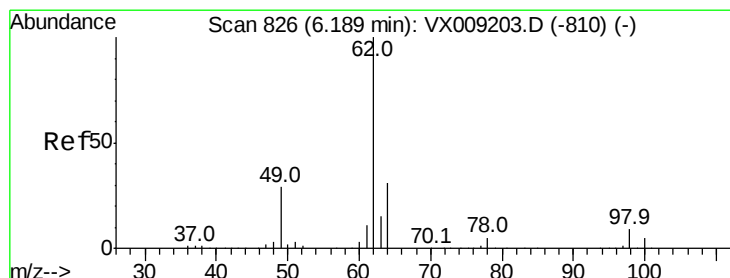
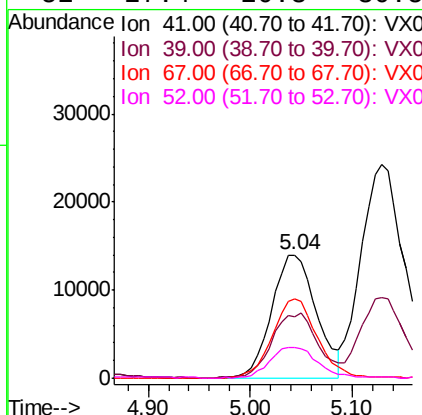
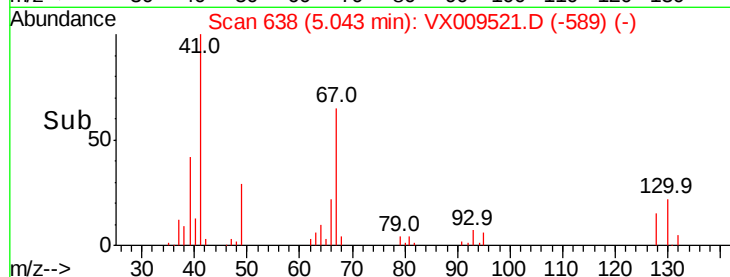
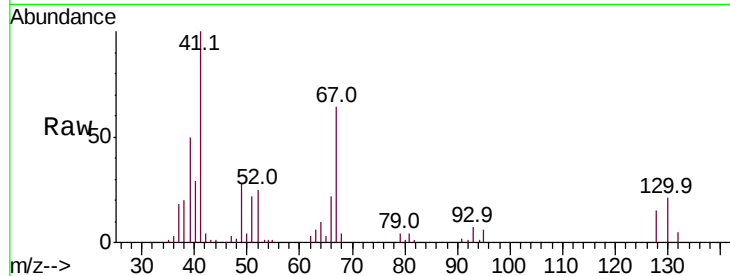
#41
Methacrylonitrile
Concen: 20.873 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampled :
VX0511WBSD01

Tot Ion:	41	Resp:	42826
Ion Ratio	Lower	Upper	
41	100		
39	54.3	42.0	63.0
67	64.4	49.8	74.8
52	27.4	20.3	30.5

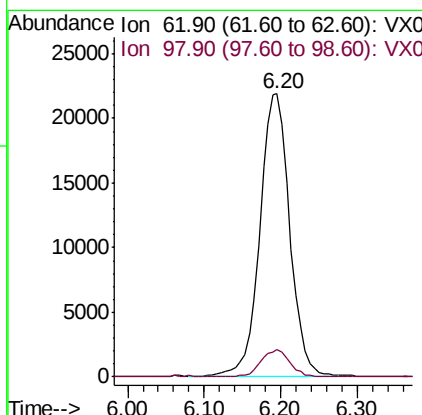
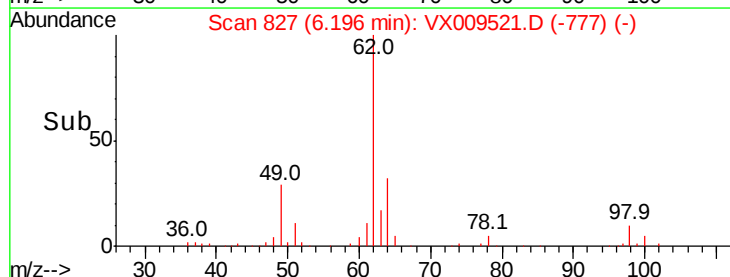
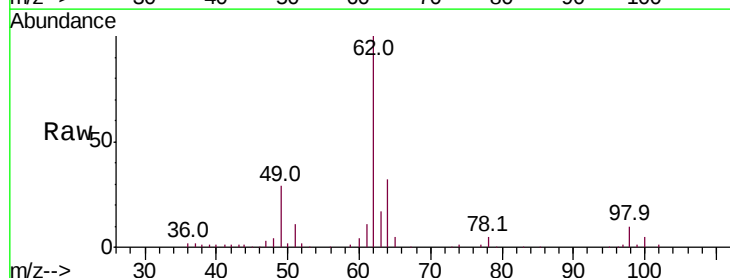
Manual Integrations
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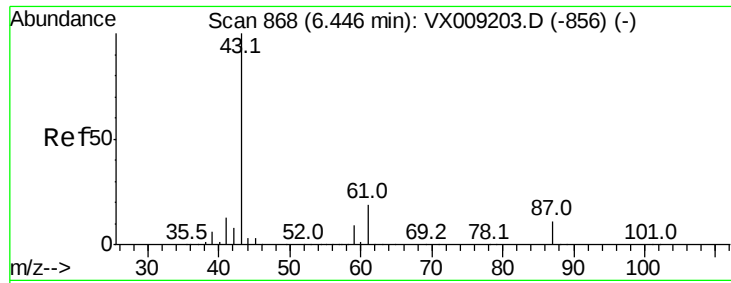
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.783 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion:	62	Resp:	59823
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	18.2





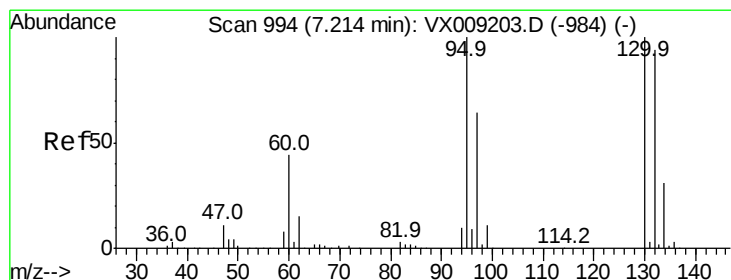
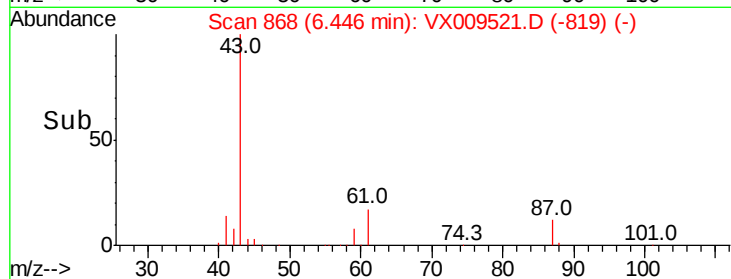
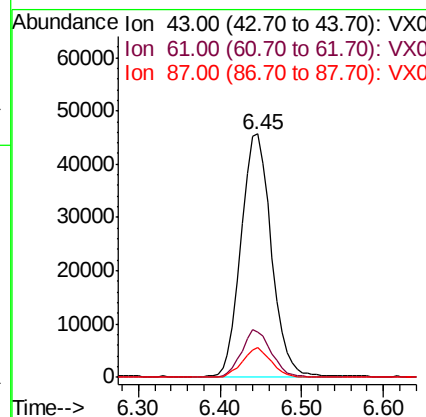
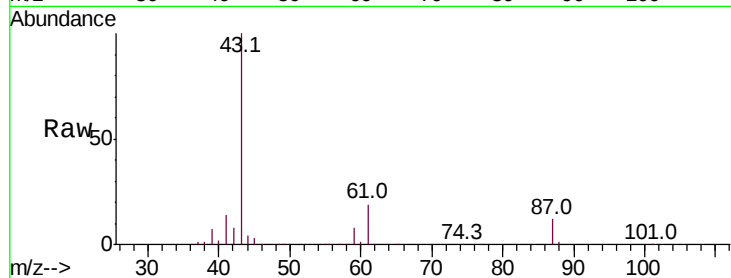
#43
Isopropyl Acetate
Concen: 21.305 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.1	22.7
87	11.5	9.0	13.6

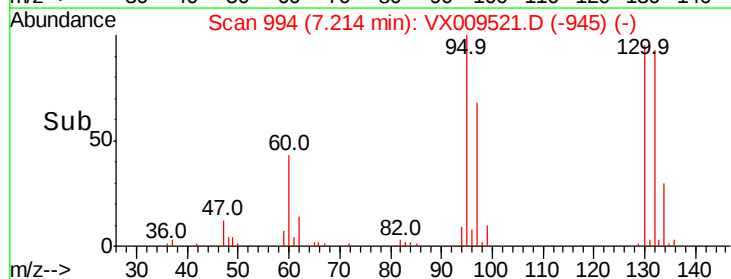
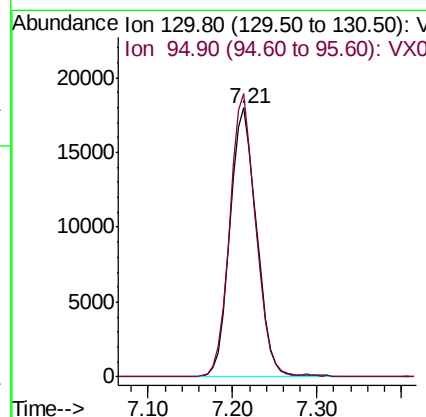
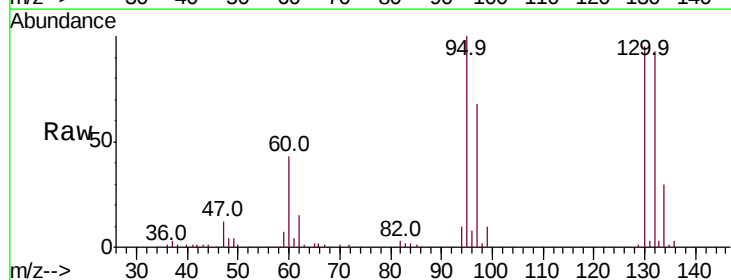
Manual Integrations
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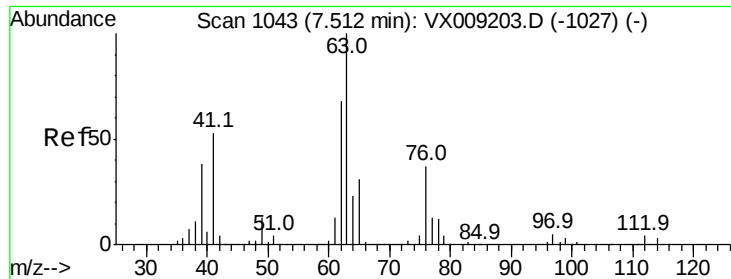
MMDadoda
5/13/2019 4:27:10 PM



#44
Trichloroethene
Concen: 20.986 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	199.2





#45

1,2-Dichloropropane

Concen: 21.351 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 63 Resp: 46287

Ion Ratio Lower Upper

63 100

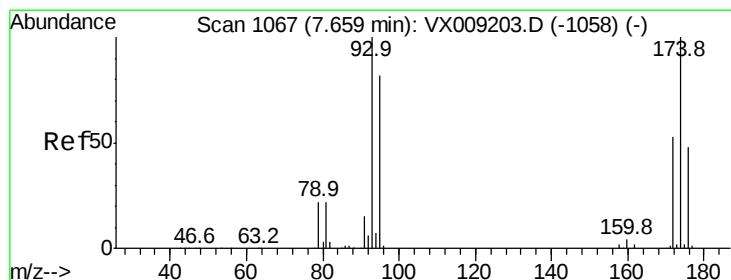
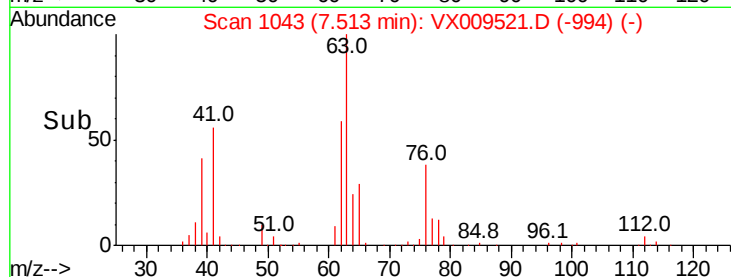
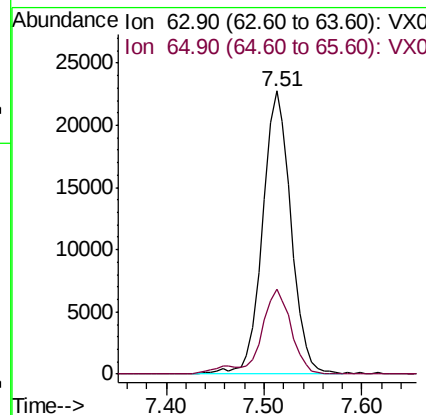
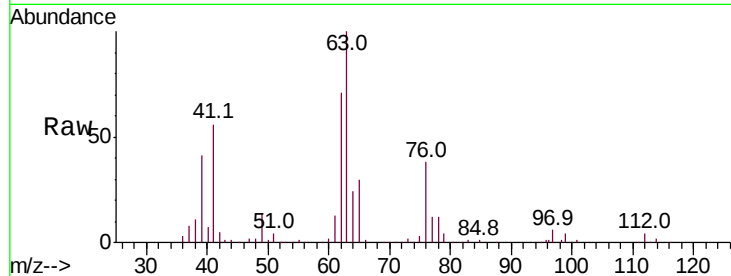
65 29.9 25.0 37.6

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#46

Dibromomethane

Concen: 21.656 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

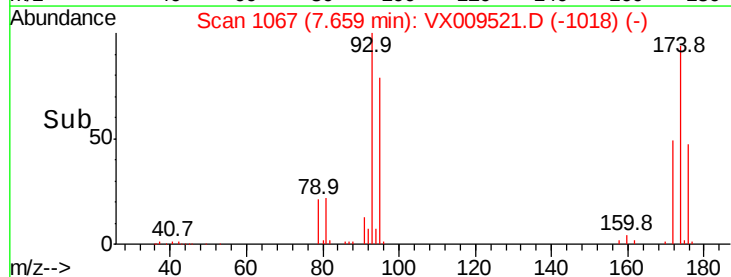
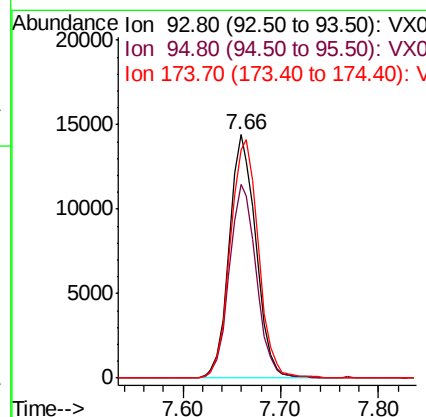
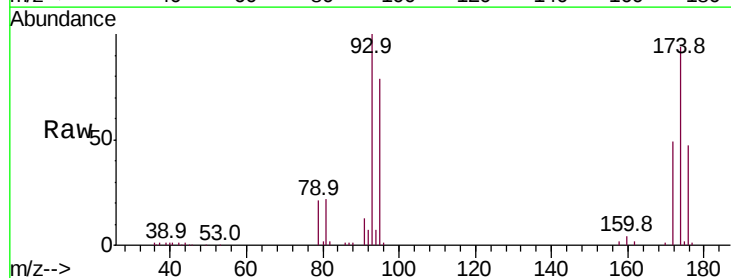
Tgt Ion: 93 Resp: 27262

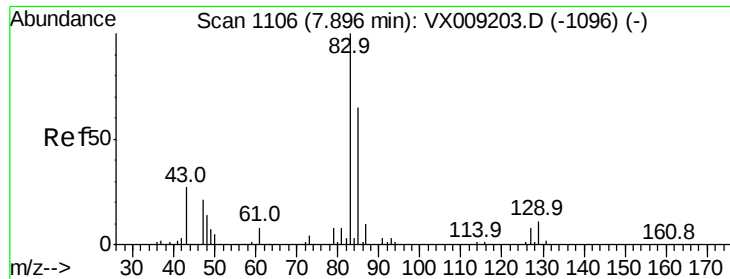
Ion Ratio Lower Upper

93 100

95 80.5 66.5 99.7

174 103.2 82.1 123.1





#47

Bromodichloromethane

Concen: 21.100 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

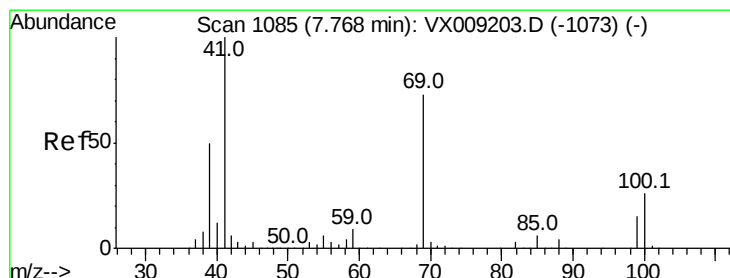
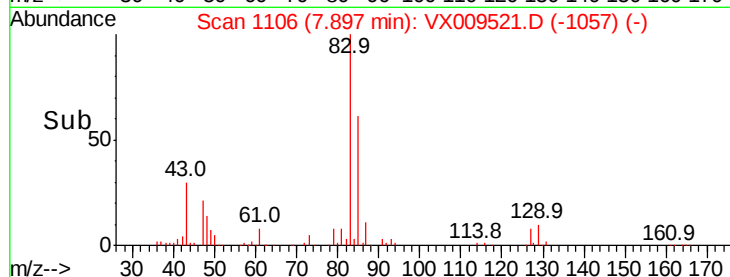
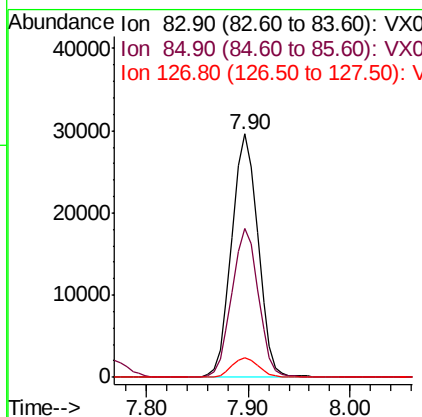
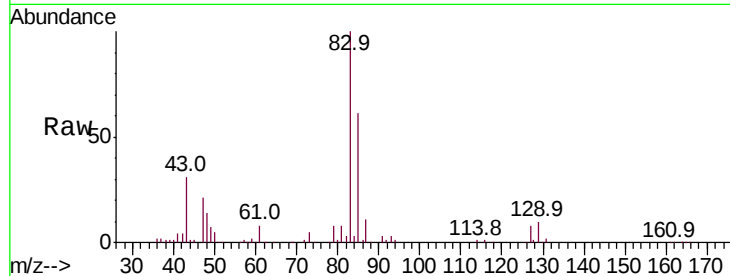
ClientSampleId :

VX0511WBSD01

Tot Ion:	83	Resp:	52986
Ion Ratio	Lower	Upper	
83	100		
85	61.1	52.4	78.6
127	8.0	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.810 ug/l

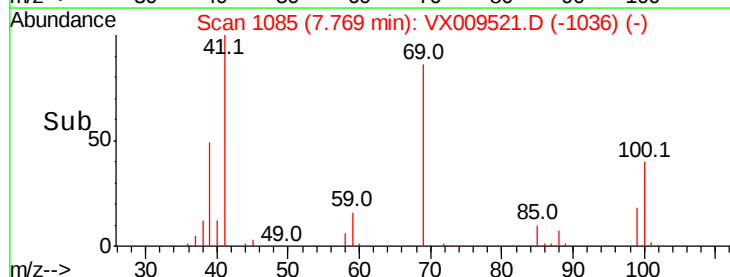
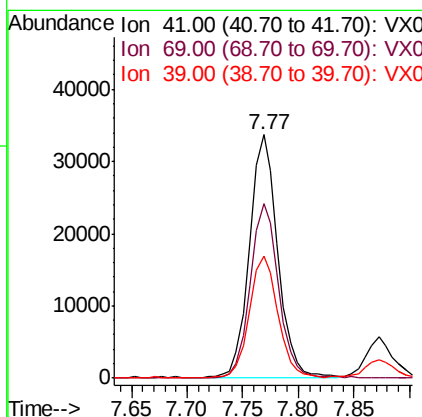
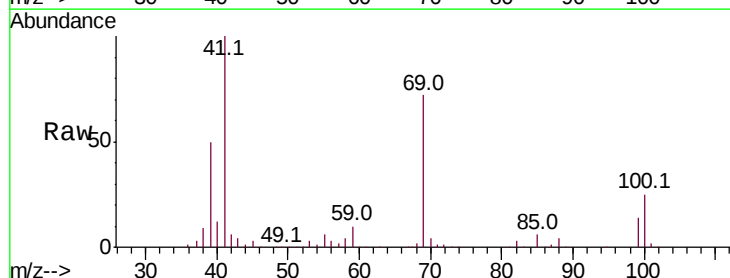
RT: 7.77 min Scan# 1085

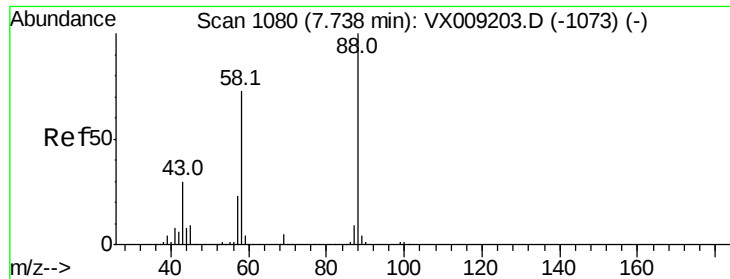
Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Tgt Ion:	41	Resp:	59657
Ion Ratio	Lower	Upper	
41	100		
69	72.2	59.1	88.7
39	51.3	40.4	60.6





#49

1,4-Dioxane

Concen: 435.926 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

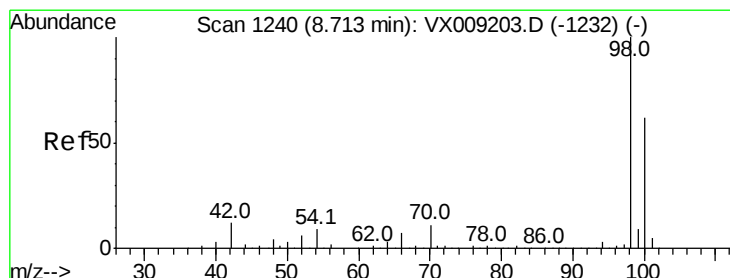
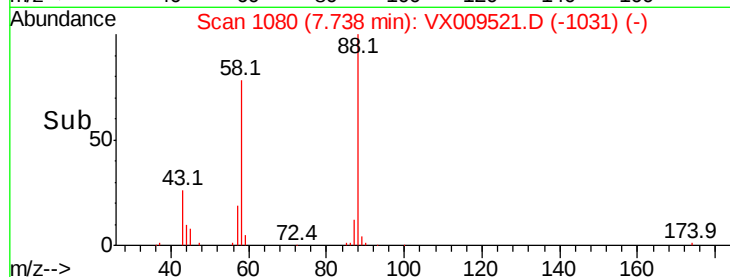
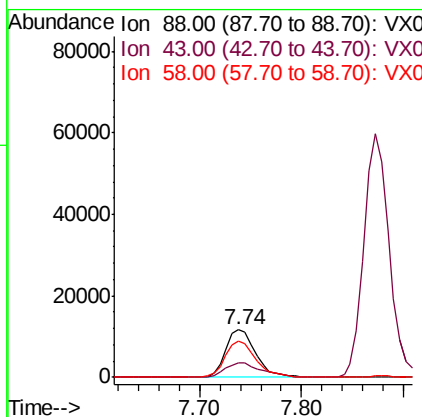
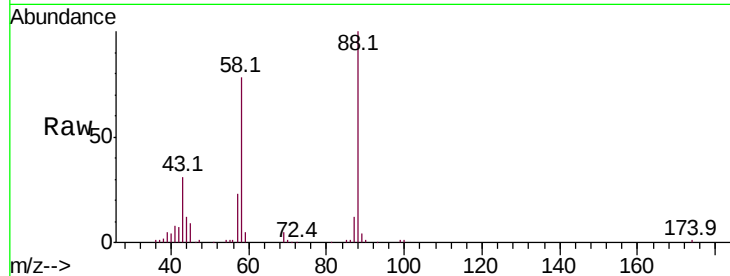
ClientSampleId :

VX0511WBSD01

Tot Ion:	88	Resp:	24181
Ion	Ratio	Lower	Upper
88	100		
43	37.9	28.6	42.8
58	78.0	61.7	92.5

Manual Integrations
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#50

Toluene-d8

Concen: 50.211 ug/l

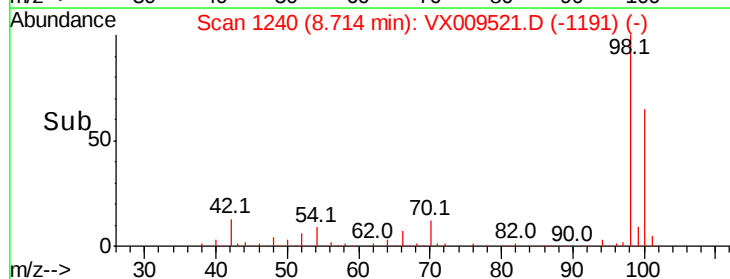
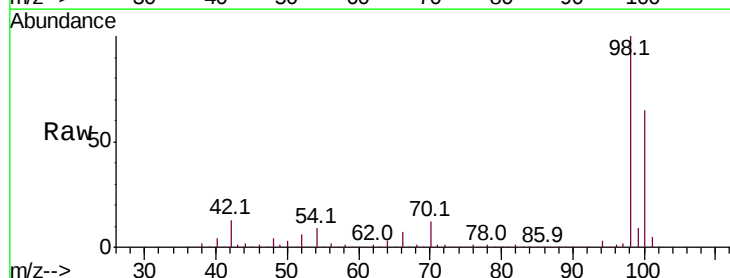
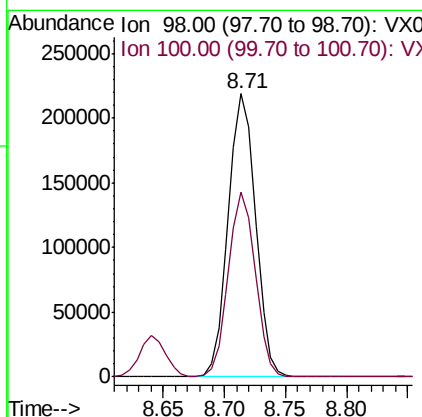
RT: 8.71 min Scan# 1240

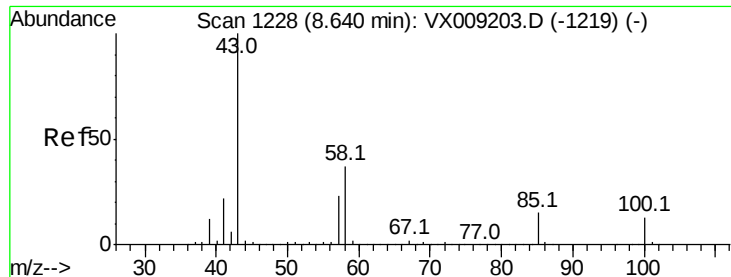
Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Tgt Ion:	98	Resp:	339227
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 109.177 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 43 Resp: 393426

Ion Ratio Lower Upper

43 100

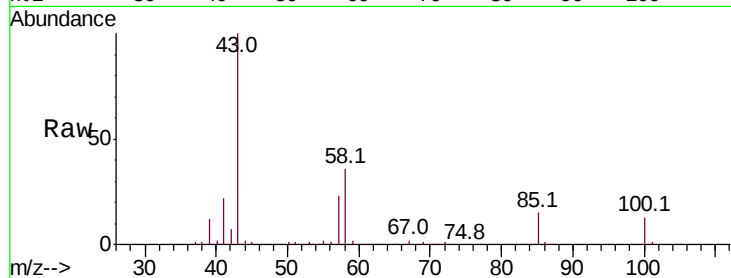
58 36.6 29.5 44.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

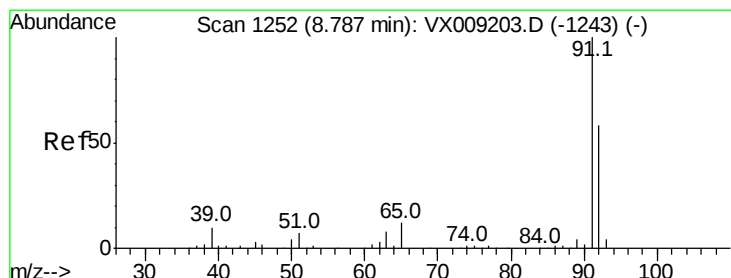
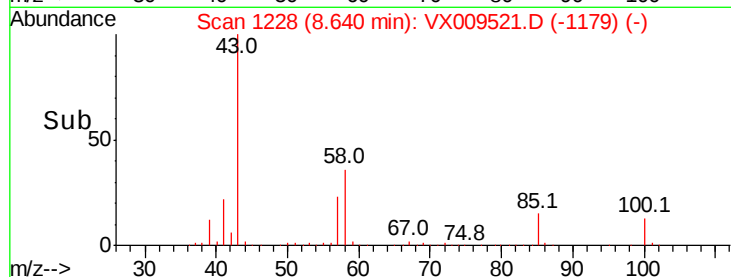
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.577 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009521.D

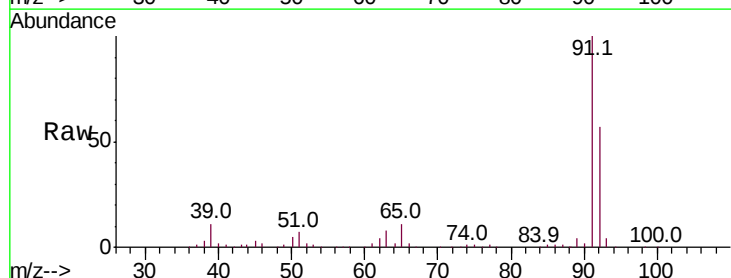
Acq: 11 May 2019 13:34

Tgt Ion: 92 Resp: 100417

Ion Ratio Lower Upper

92 100

91 174.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

120000

100000

80000

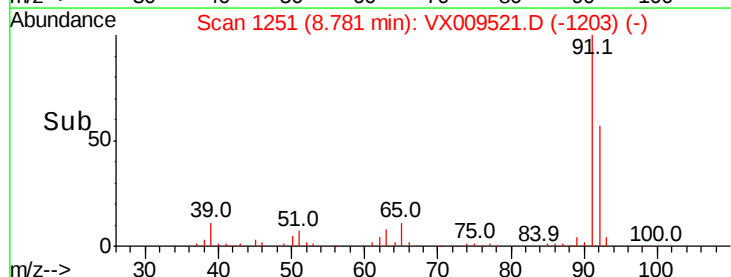
60000

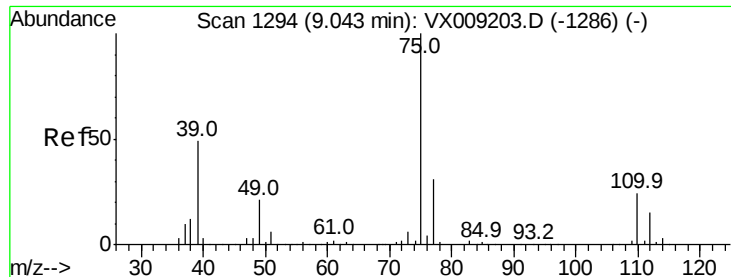
40000

20000

0

Time-->





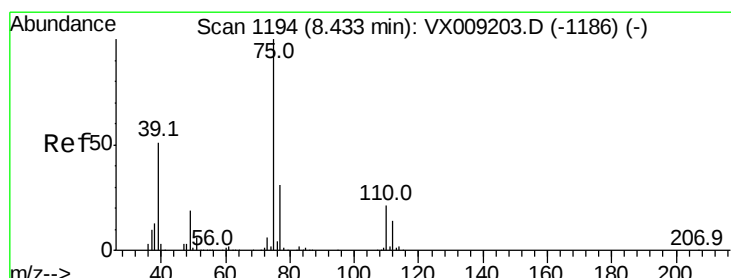
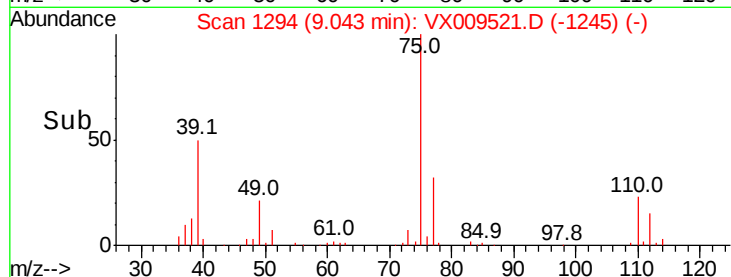
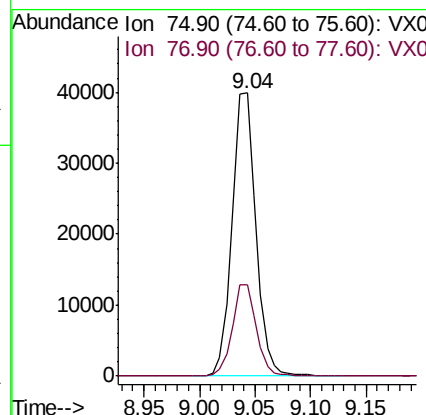
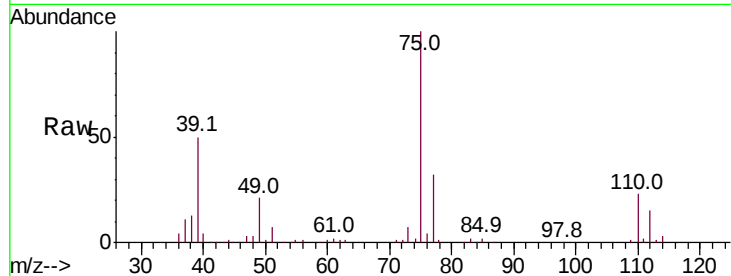
#53
 t-1,3-Dichloropropene
 Concen: 20.884 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Tot Ion: 75 Resp: 59209
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.0 37.6

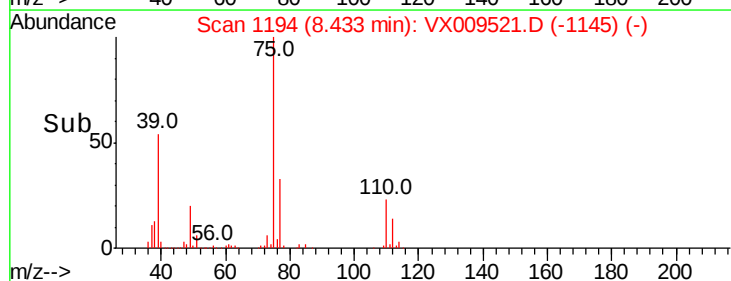
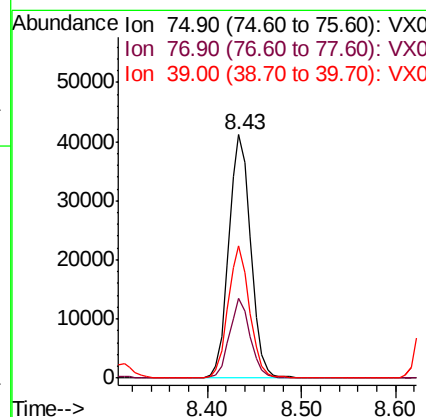
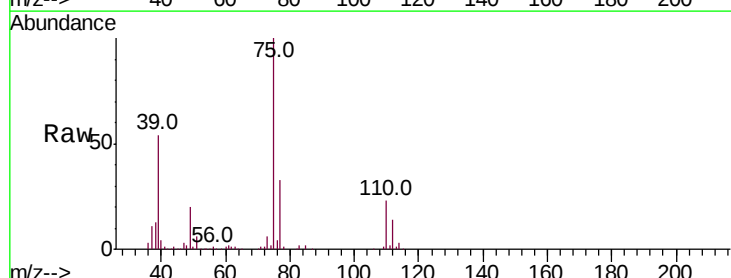
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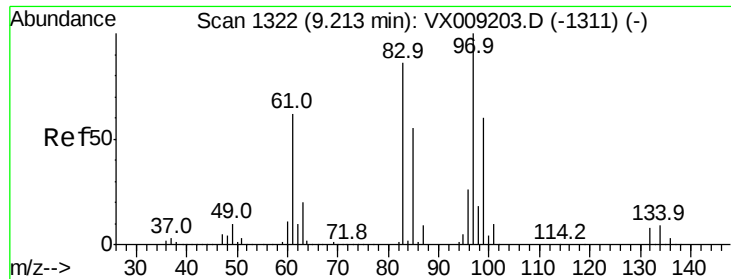
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#54
 cis-1,3-Dichloropropene
 Concen: 21.244 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Tgt Ion: 75 Resp: 66665
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.6 36.8
 39 54.3 40.6 60.8





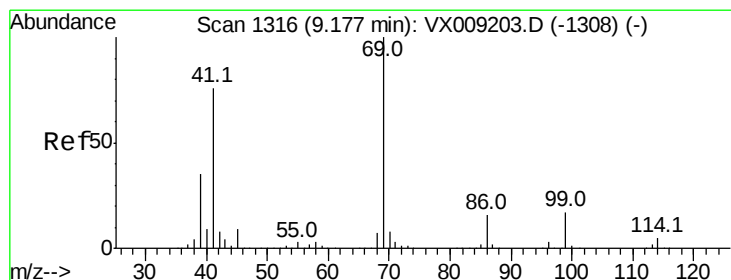
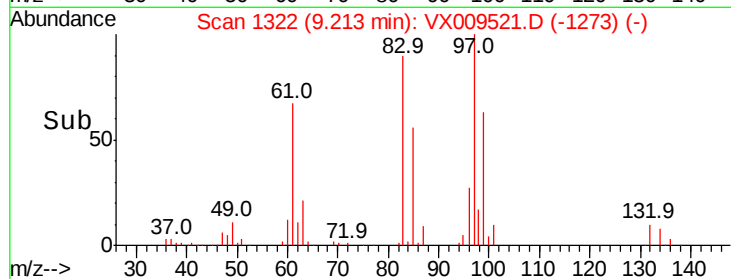
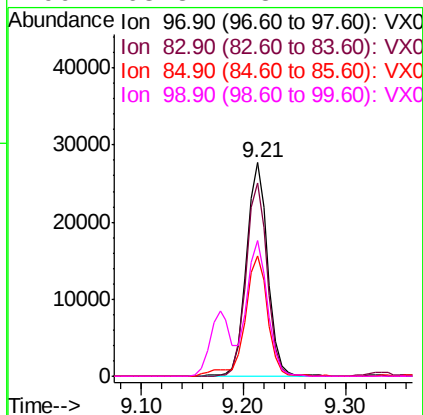
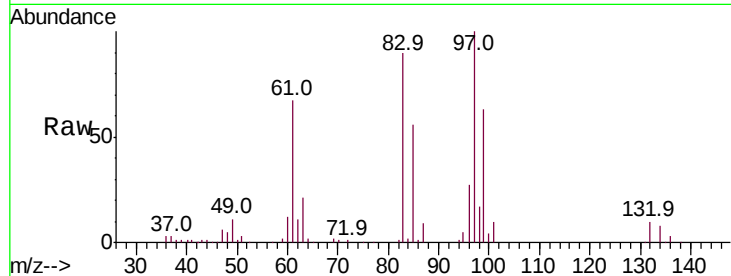
#55
 1,1,2-Trichloroethane
 Concen: 21.238 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Tot Ion:	97	Resp:	40324
Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.9	103.3
85	56.2	43.8	65.6
99	63.3	48.2	72.2

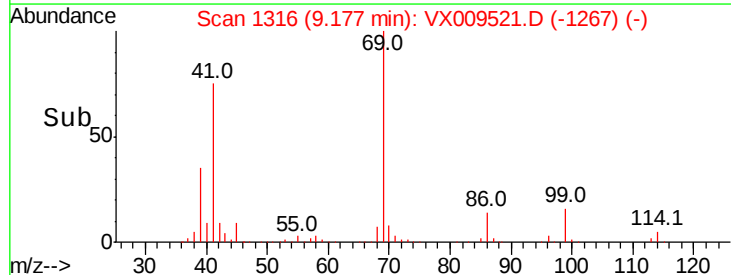
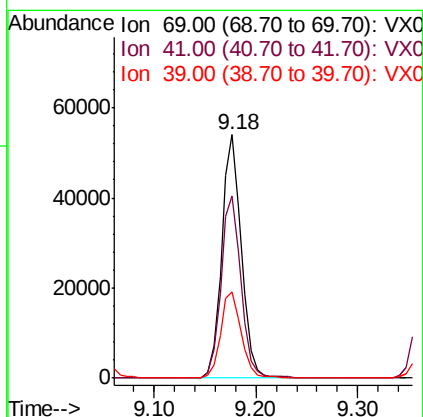
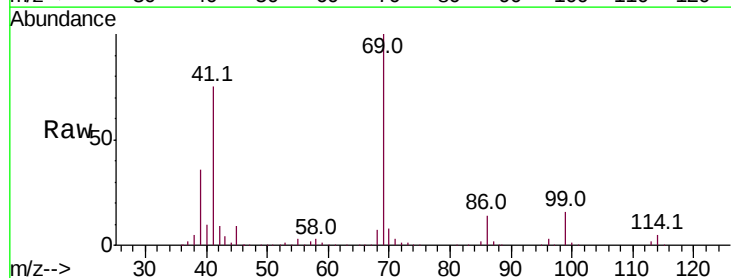
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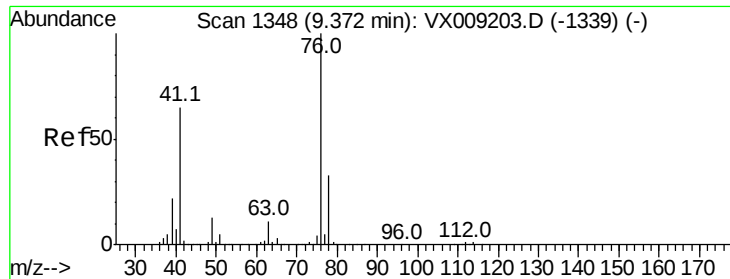
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#56
 Ethyl methacrylate
 Concen: 21.376 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Tgt Ion:	69	Resp:	72447
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.6	90.8
39	36.6	28.2	42.4





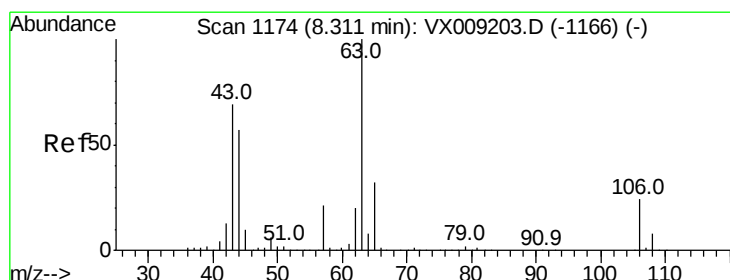
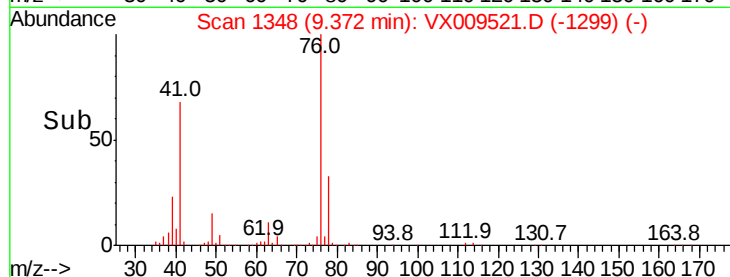
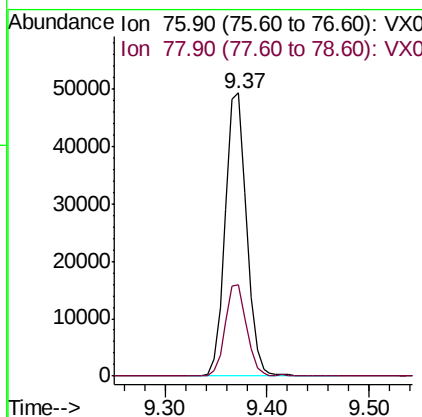
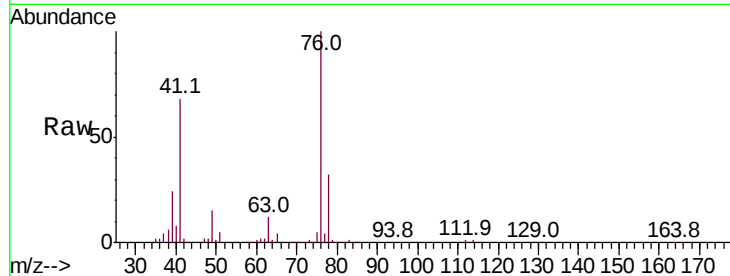
#57
 1,3-Dichloropropane
 Concen: 21.381 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

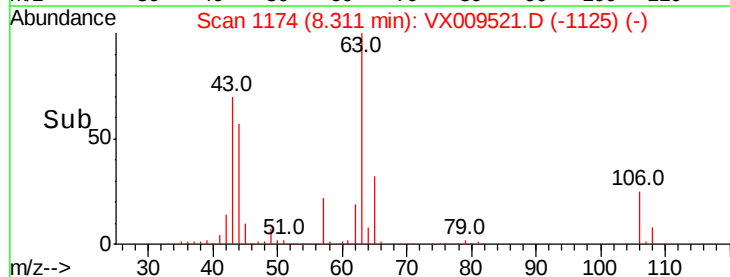
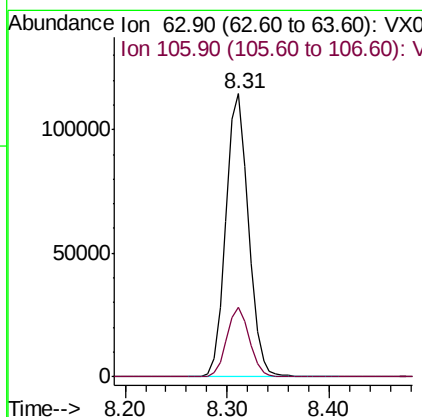
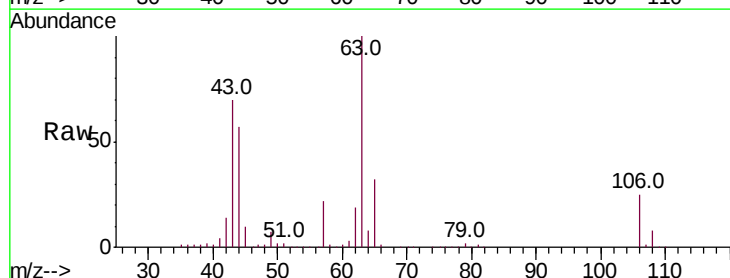
Manual Integrations
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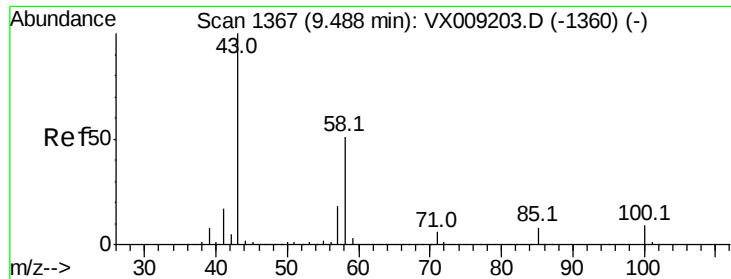
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.926 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.7	29.5





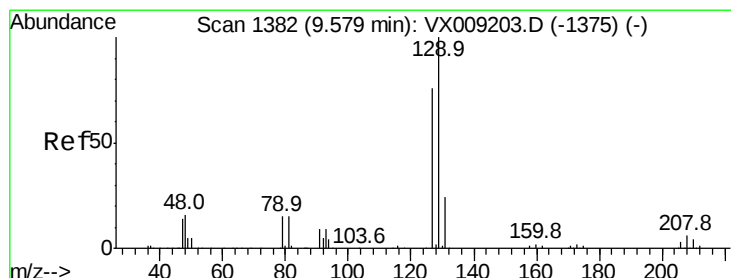
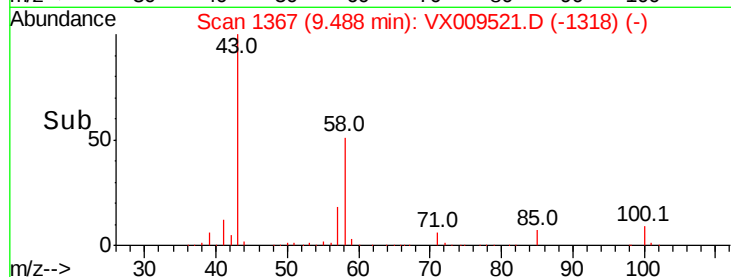
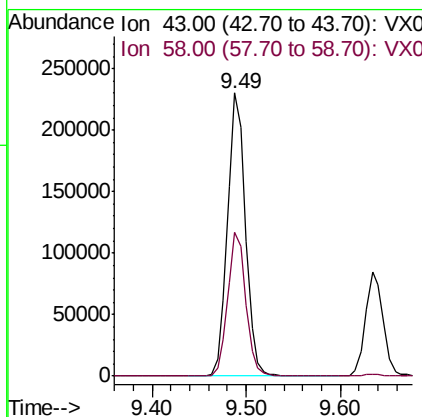
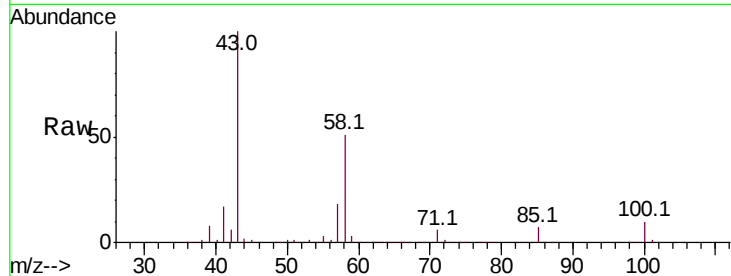
#59
2-Hexanone
Concen: 107.826 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion: 43 Resp: 305169
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

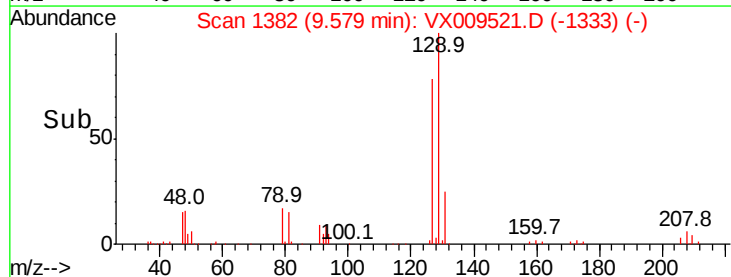
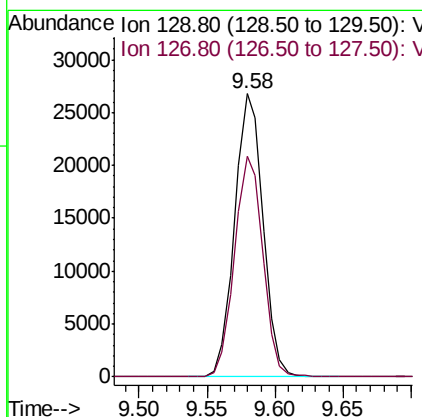
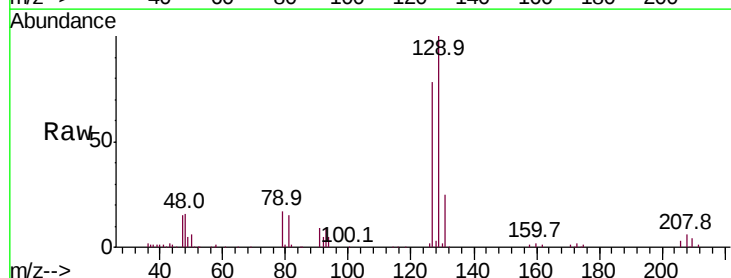
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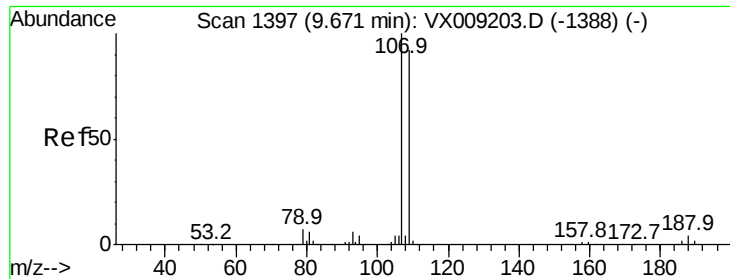
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#60
Dibromochloromethane
Concen: 21.013 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion: 129 Resp: 38966
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.862 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion:107 Resp: 41899

Ion Ratio Lower Upper

107 100

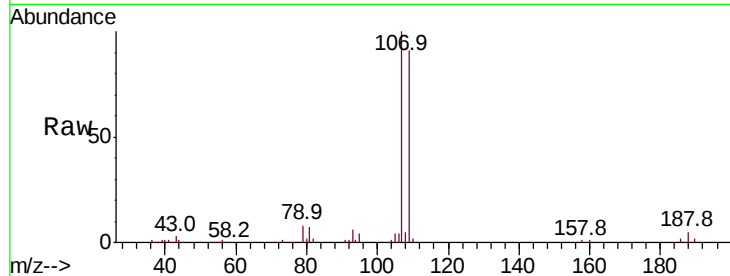
109 91.8 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

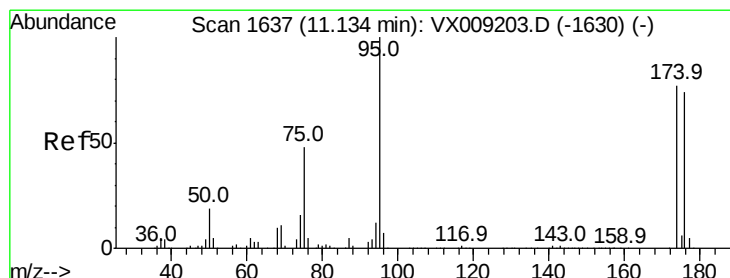
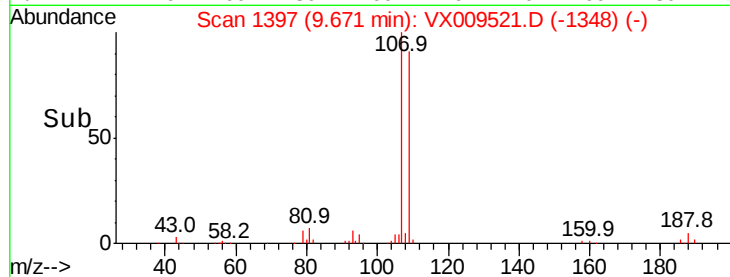
20000

10000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 49.933 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

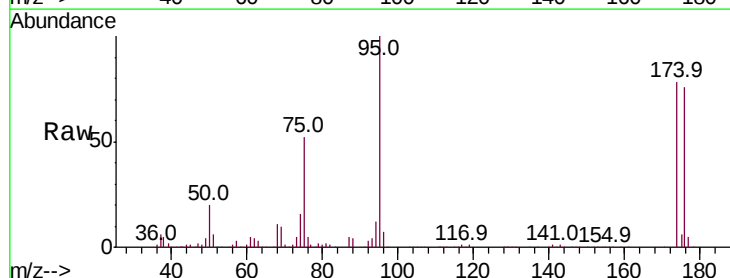
Tgt Ion: 95 Resp: 122579

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

176 79.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

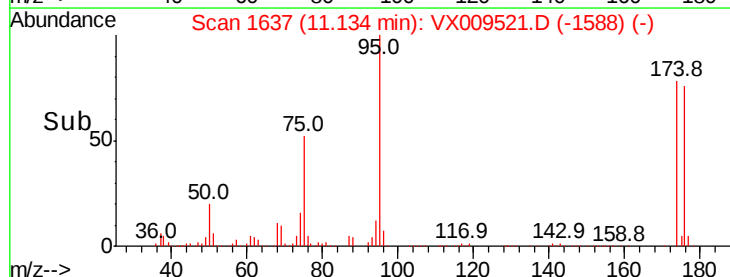
100000

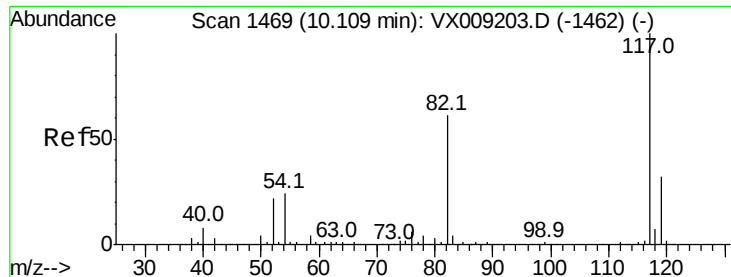
50000

0

11.10 11.20

Time-->





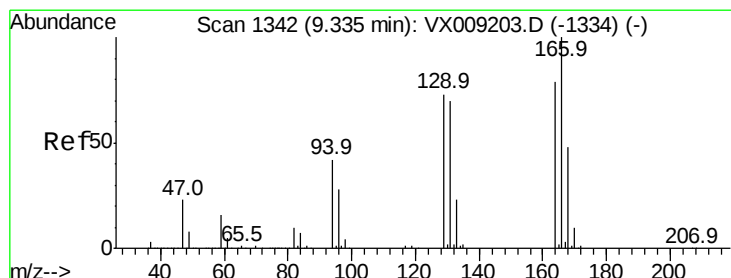
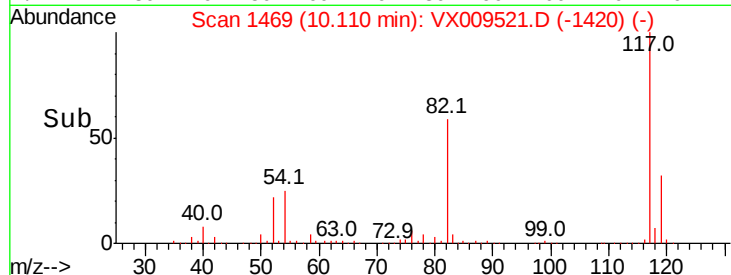
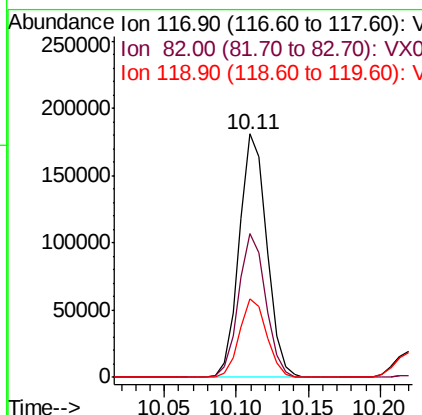
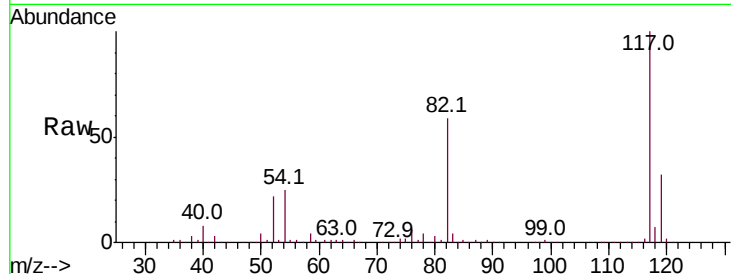
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240230		
82	59.3	48.8	73.2	
119	32.4	25.8	38.6	

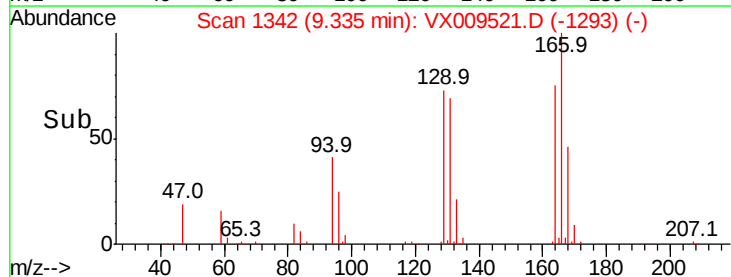
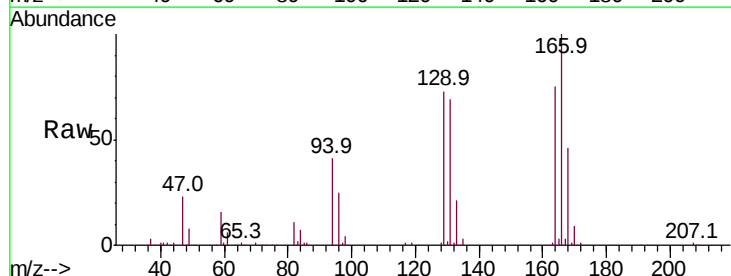
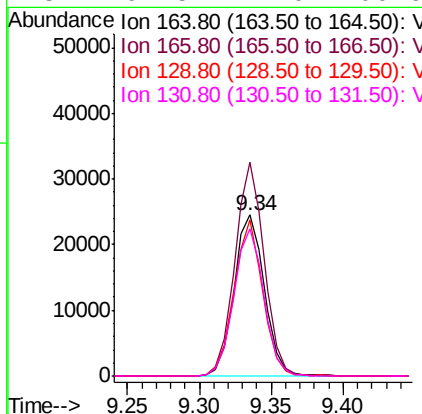
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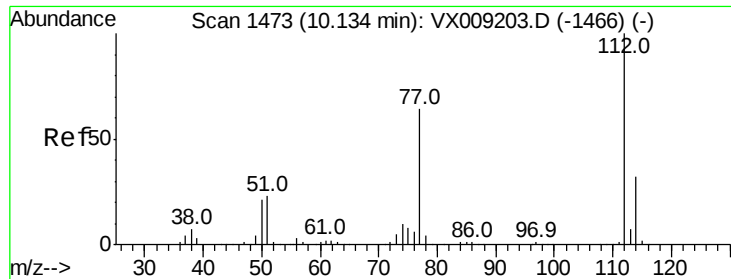
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#64
Tetrachloroethene
Concen: 21.755 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35849		
166	132.9	101.2	151.8	
129	97.0	74.3	111.5	
131	91.5	71.0	106.6	





#65

Chlorobenzene

Concen: 21.487 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion:112 Resp: 103258

Ion Ratio Lower Upper

112 100

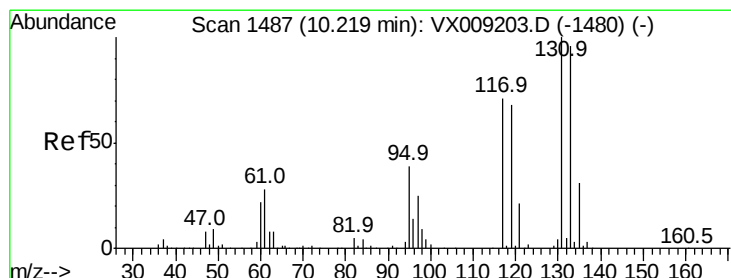
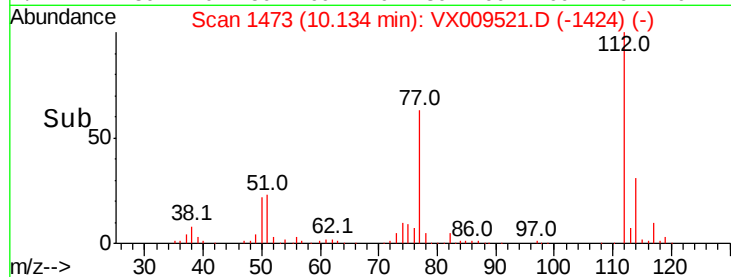
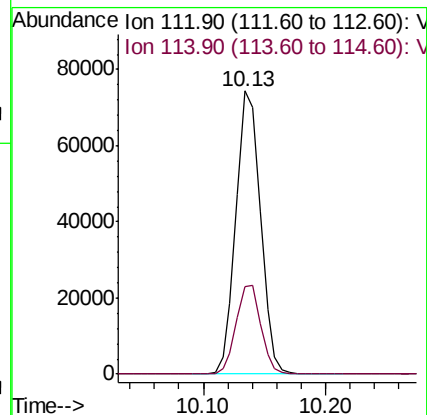
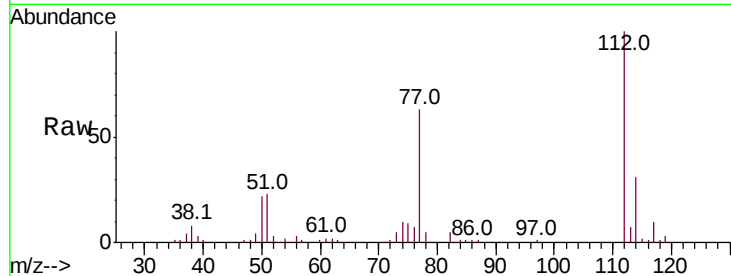
114 31.1 25.5 38.3

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.309 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

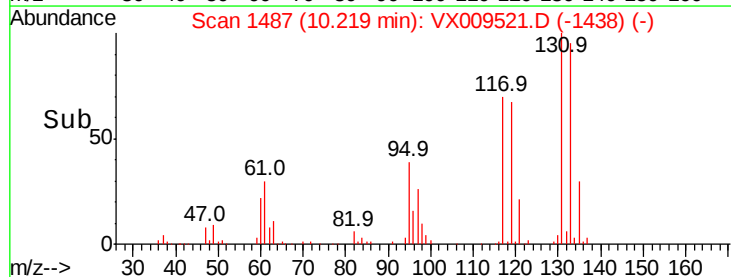
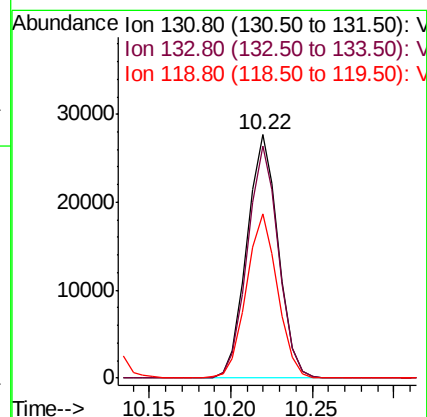
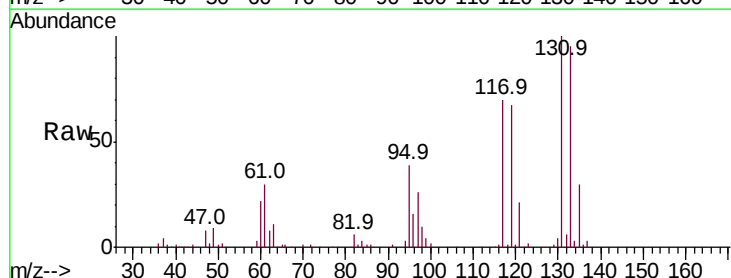
Tgt Ion:131 Resp: 37125

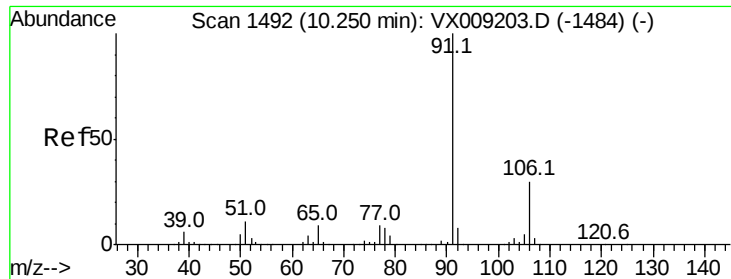
Ion Ratio Lower Upper

131 100

133 94.7 47.7 143.1

119 67.3 33.5 100.4





#67

Ethyl Benzene

Concen: 21.655 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 91 Resp: 191520

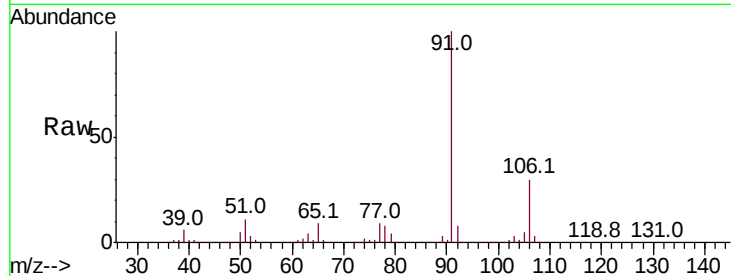
Ion Ratio Lower Upper

91 100

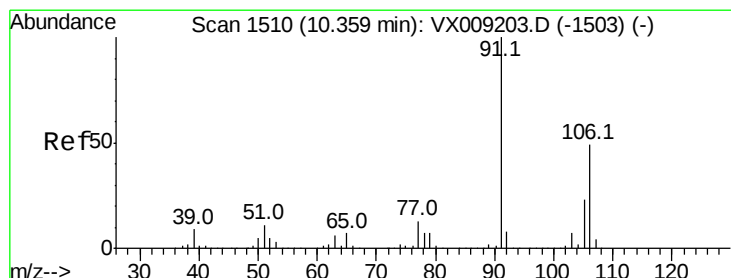
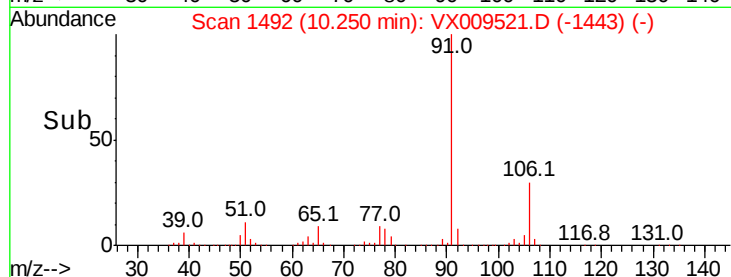
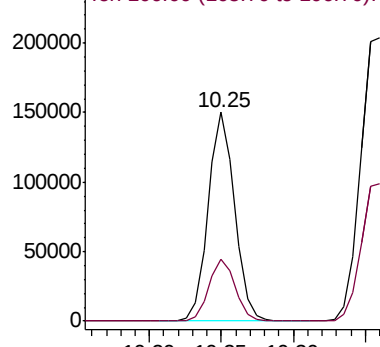
106 29.8 24.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VX009521.D (-1443) (-)



#68

m/p-Xylenes

Concen: 42.967 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009521.D

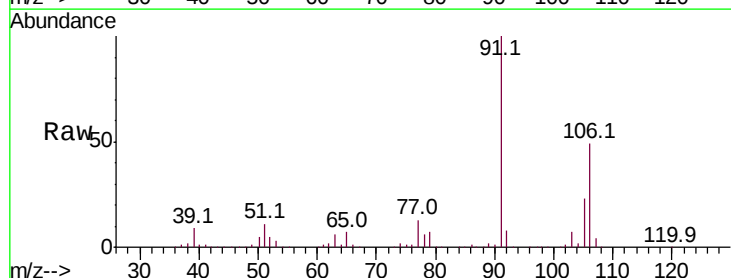
Acq: 11 May 2019 13:34

Tgt Ion:106 Resp: 138869

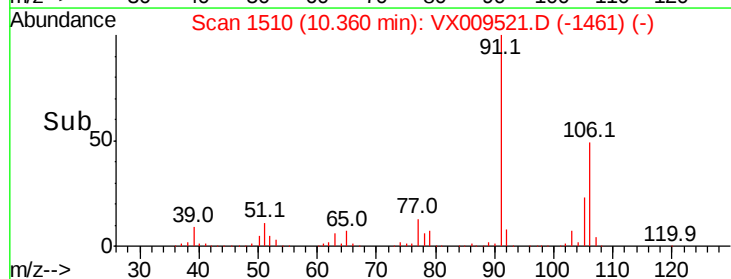
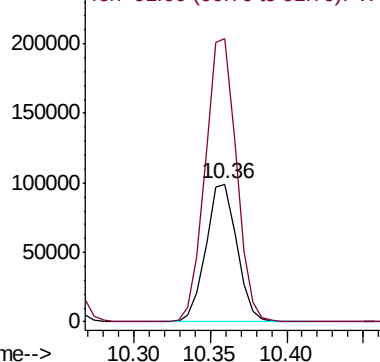
Ion Ratio Lower Upper

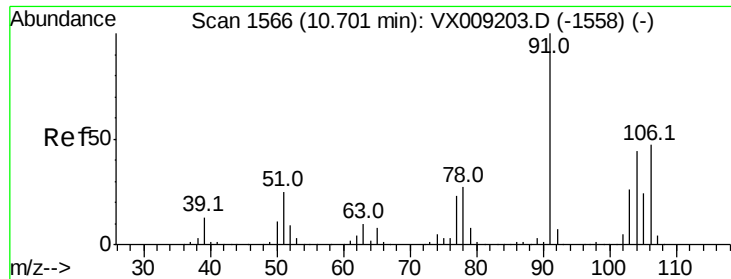
106 100

91 208.3 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009521.D (-1461) (-)





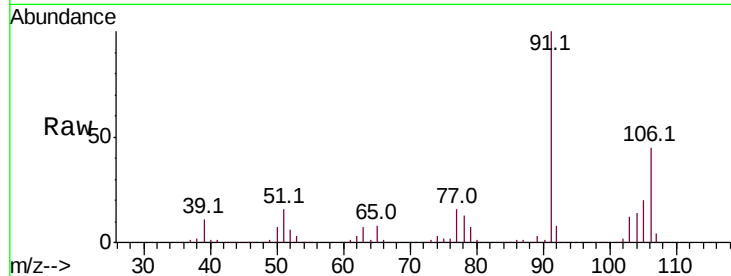
#69
o-Xylene
Concen: 21.651 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleID :
VX0511WBSD01

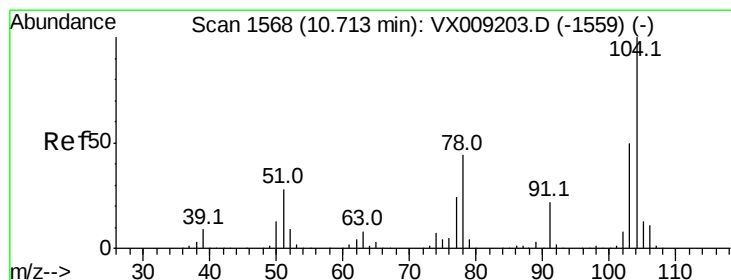
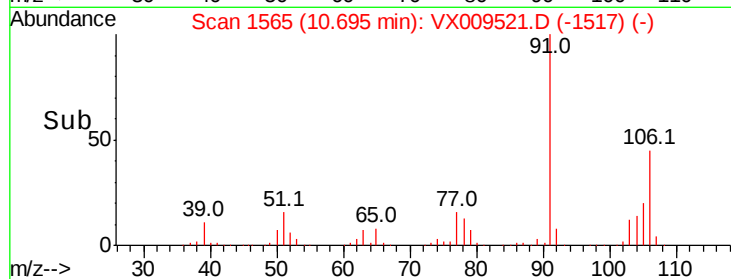
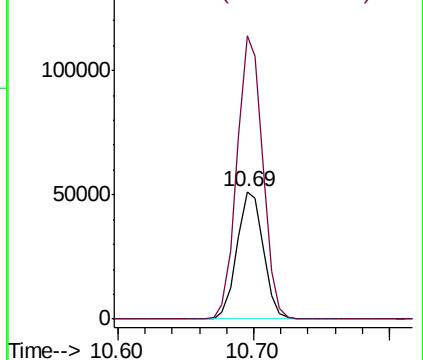
Tot Ion:106 Resp: 69040
Ion Ratio Lower Upper
106 100
91 217.6 109.5 328.4

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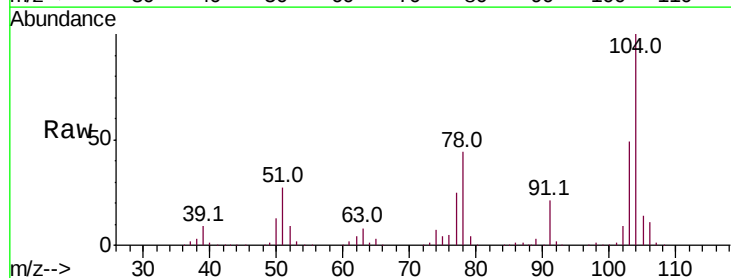


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

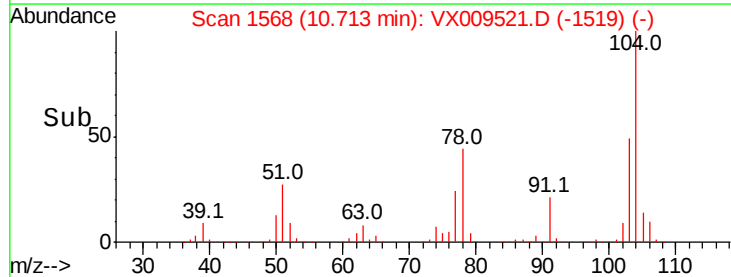
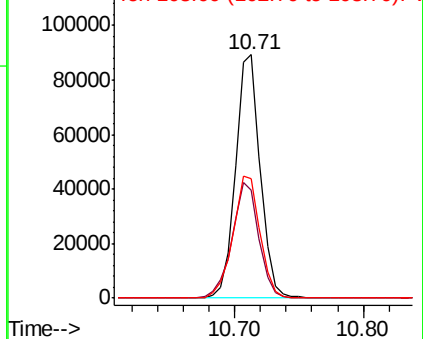


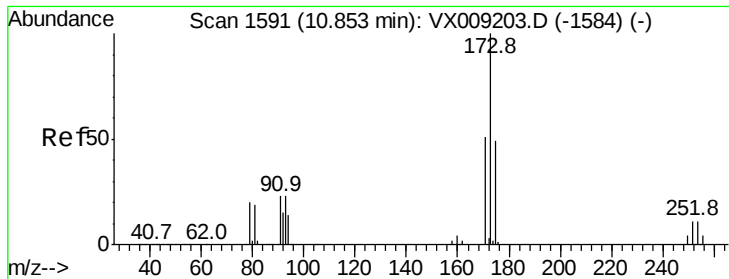
#70
Styrene
Concen: 21.406 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion:104 Resp: 118642
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.4
103 55.2 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.561 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion:173 Resp: 29111

Ion Ratio Lower Upper

173 100

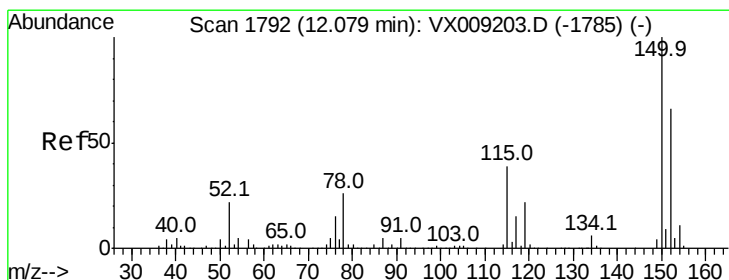
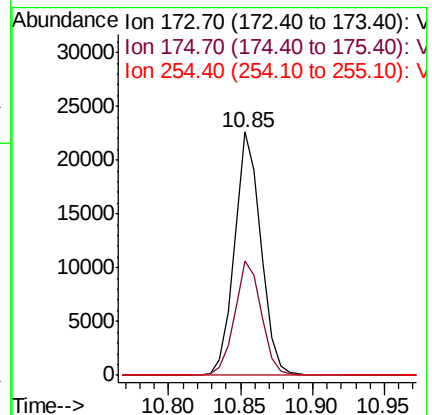
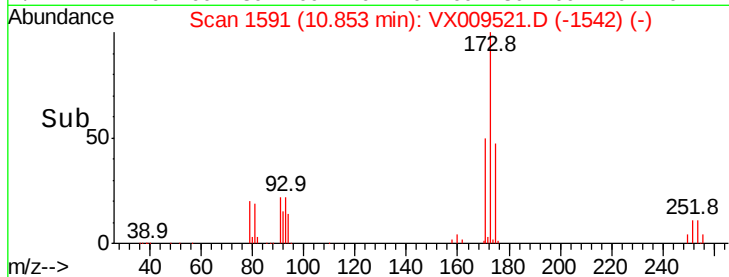
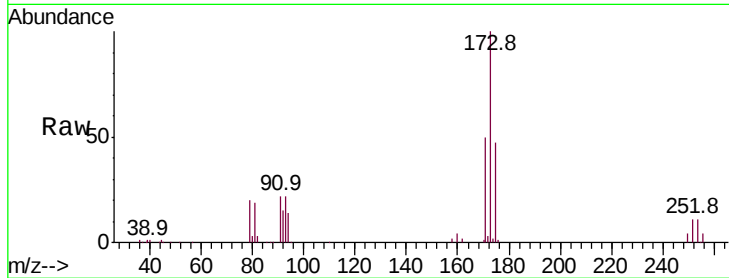
175 47.4 24.5 73.5

254 0.3 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

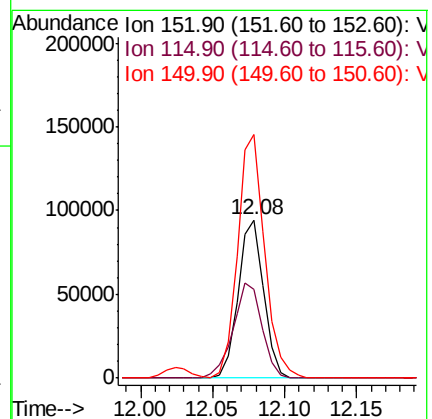
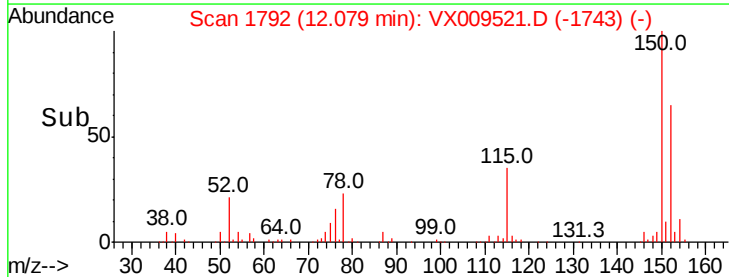
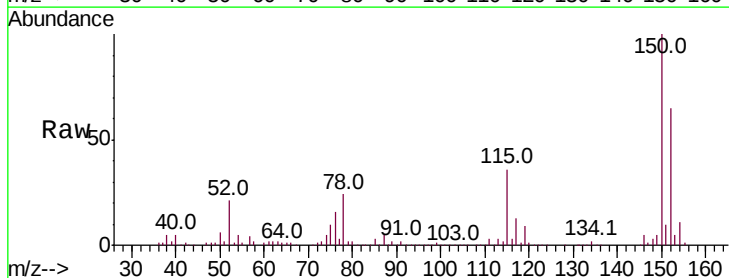
Tgt Ion:152 Resp: 116771

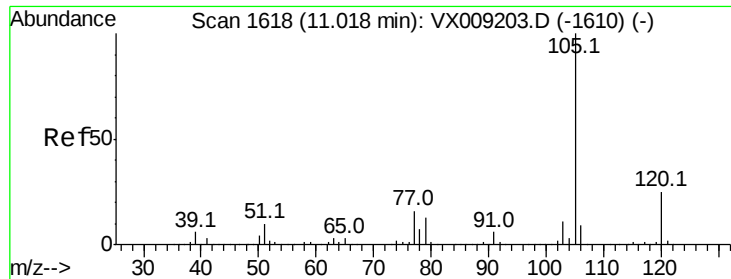
Ion Ratio Lower Upper

152 100

115 68.2 41.2 123.6

150 162.8 0.0 346.4





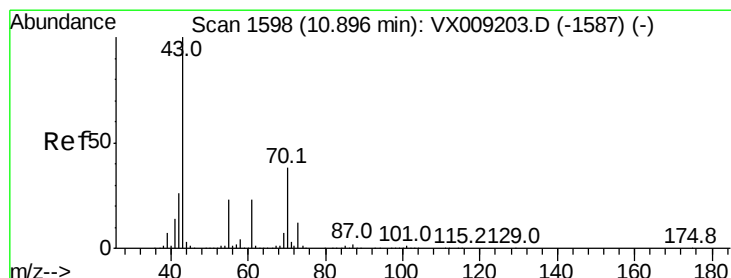
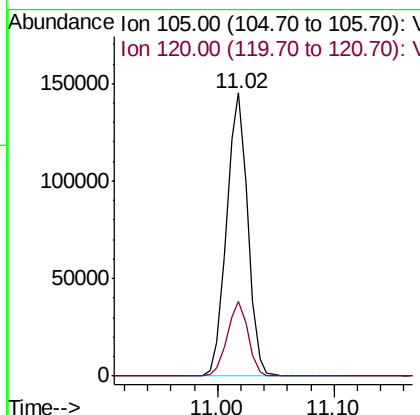
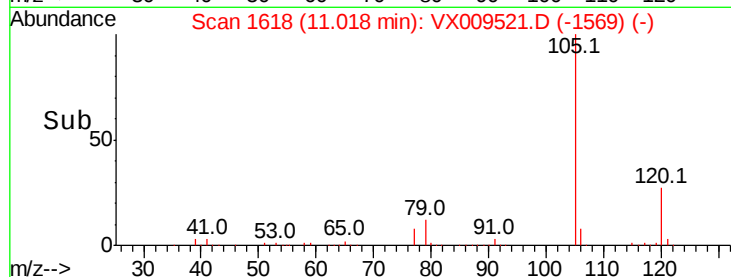
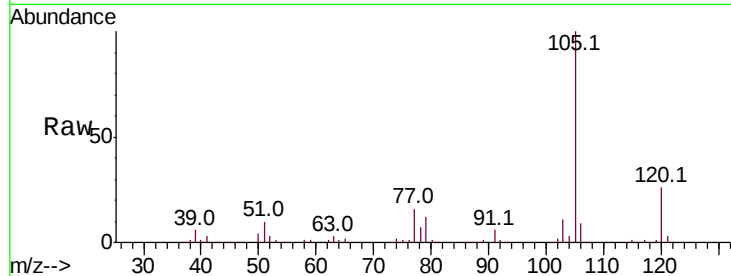
#73
Isopropylbenzene
Concen: 21.437 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion: 105 Resp: 182028
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.3

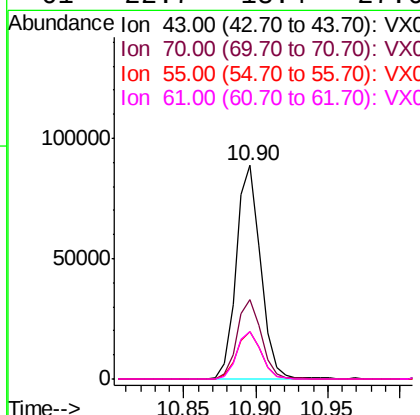
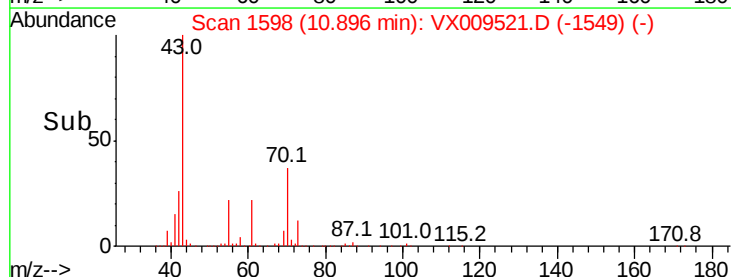
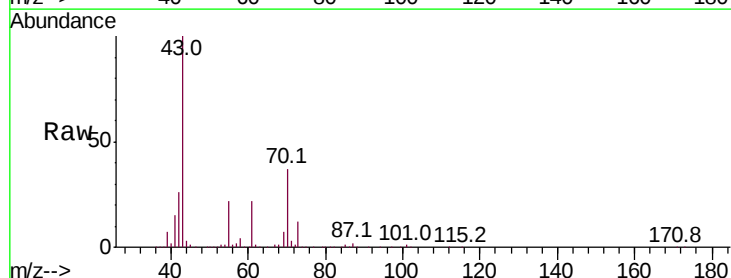
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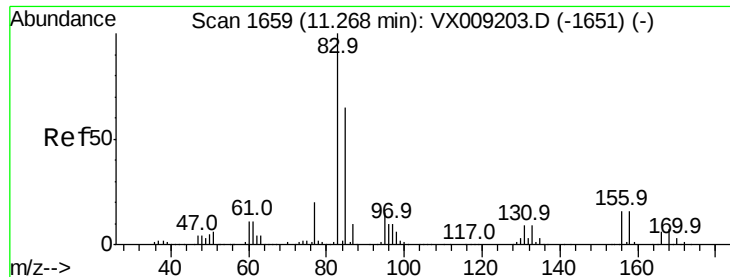
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#74
N-ethyl acetate
Concen: 21.107 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion: 43 Resp: 104491
Ion Ratio Lower Upper
43 100
70 37.4 30.0 45.0
55 22.7 17.9 26.9
61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.173 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 83 Resp: 67024

Ion Ratio Lower Upper

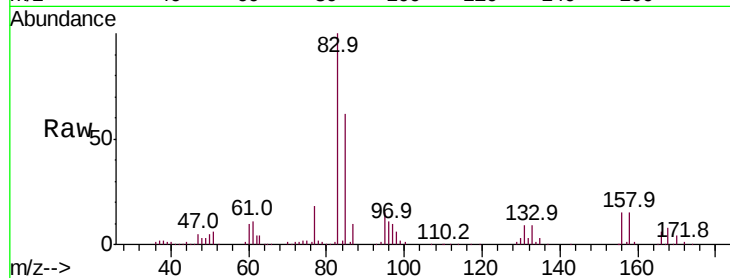
83 100

131 9.6 4.6 13.8

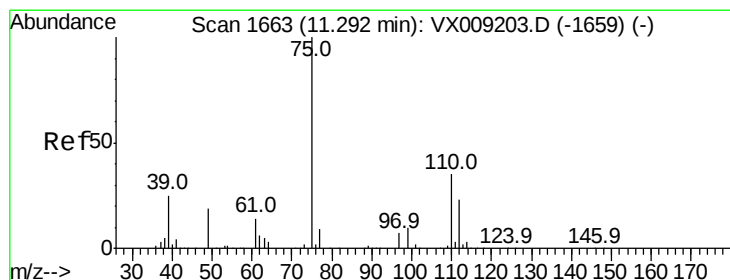
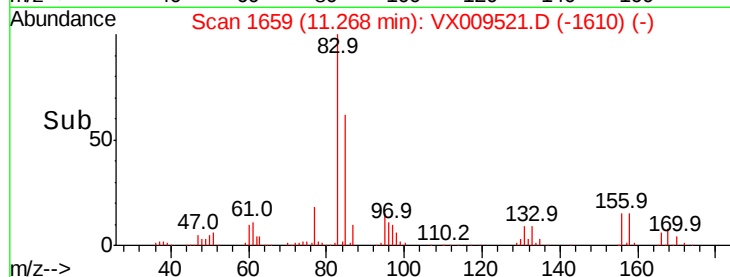
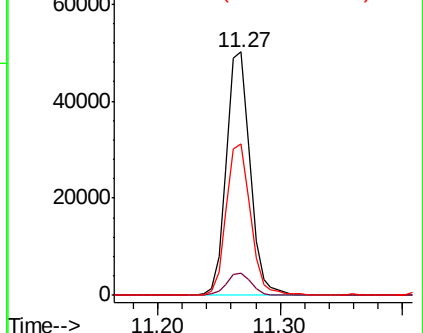
85 63.7 32.0 96.2

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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: 21.722 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009521.D

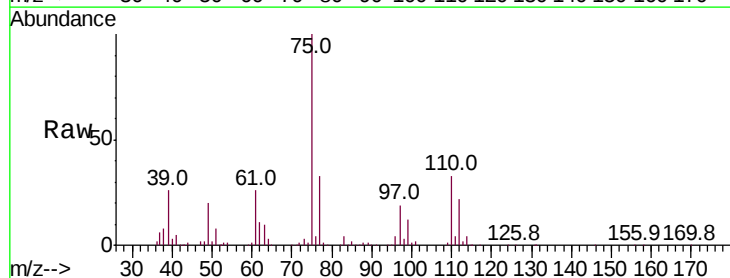
Acq: 11 May 2019 13:34

Tgt Ion: 75 Resp: 58838

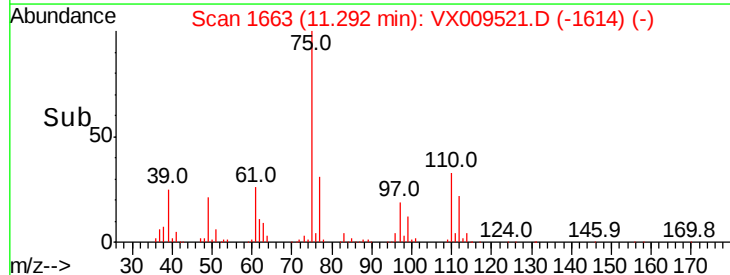
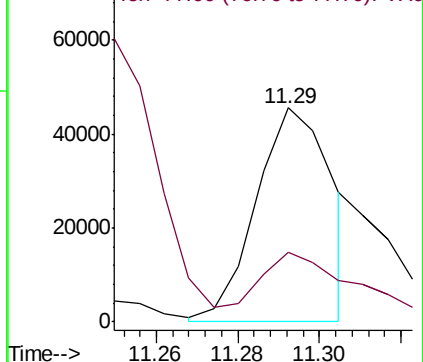
Ion Ratio Lower Upper

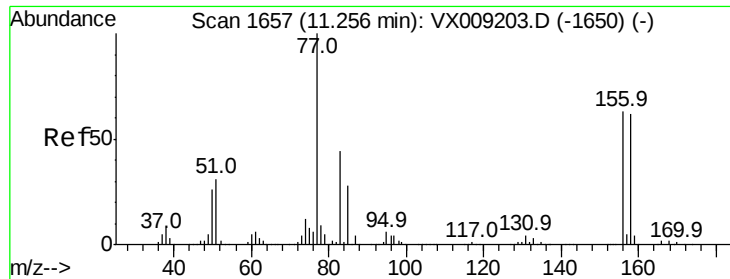
75 100

77 42.5 22.1 66.1



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





#77

Bromobenzene

Concen: 21.373 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion:156 Resp: 45046

Ion Ratio Lower Upper

156 100

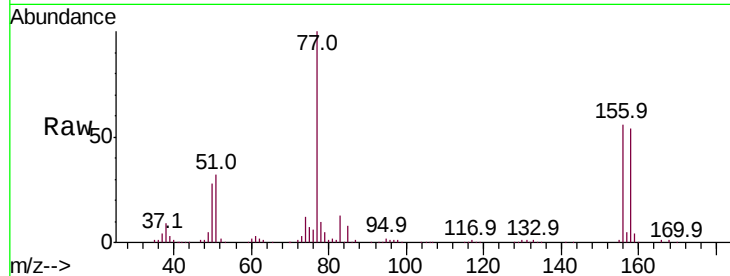
77 168.1 84.8 254.3

158 98.3 49.1 147.3

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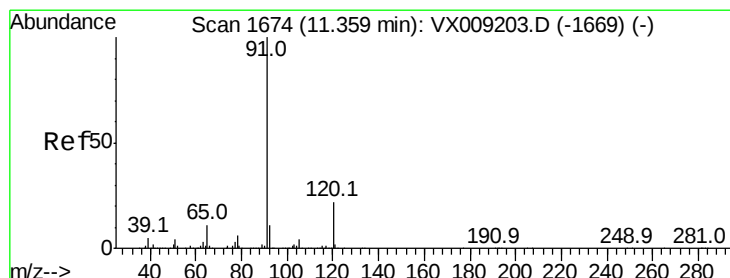
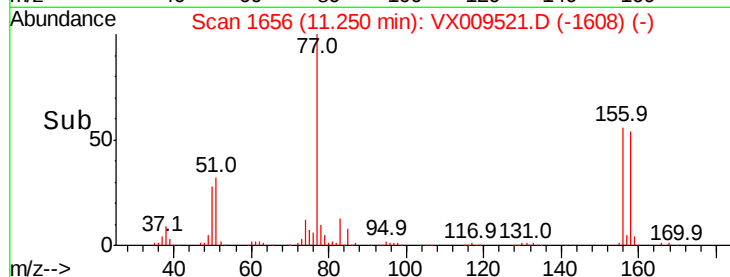
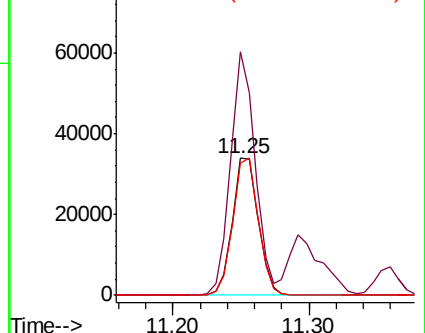
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.453 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009521.D

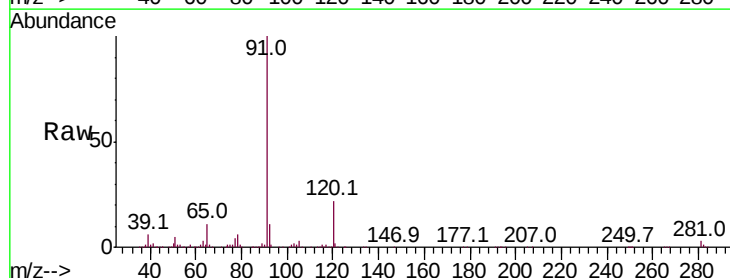
Acq: 11 May 2019 13:34

Tgt Ion: 91 Resp: 208042

Ion Ratio Lower Upper

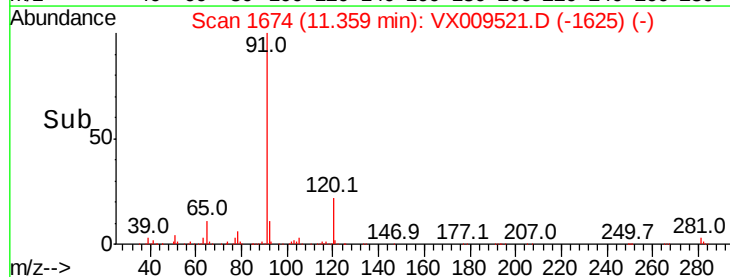
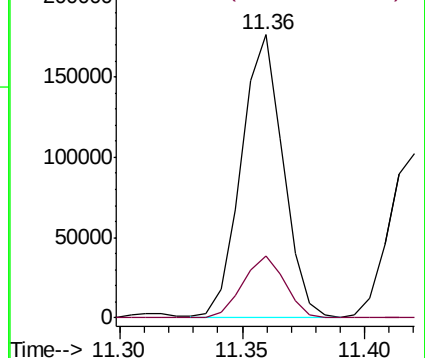
91 100

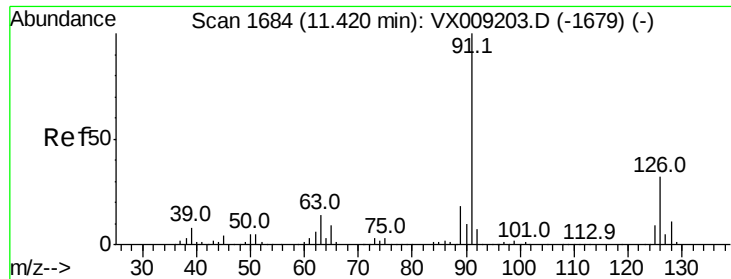
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.193 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion: 91 Resp: 126796

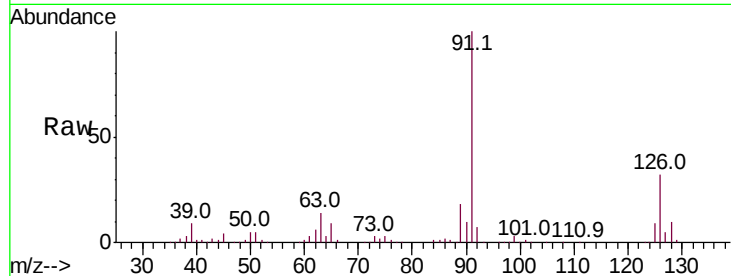
Ion Ratio Lower Upper

91 100

126 32.2 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)

200000

150000

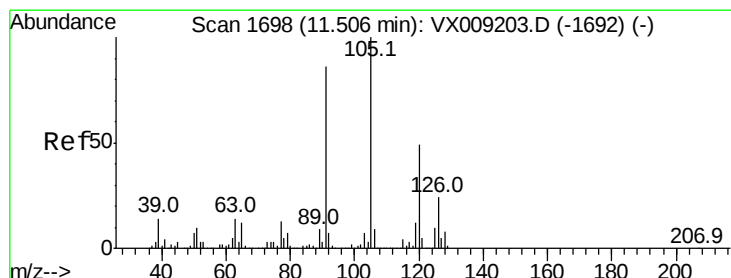
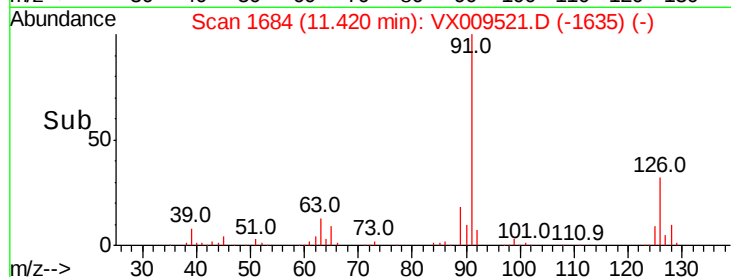
100000

50000

0

11.40 11.42 11.44 11.46

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.711 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009521.D

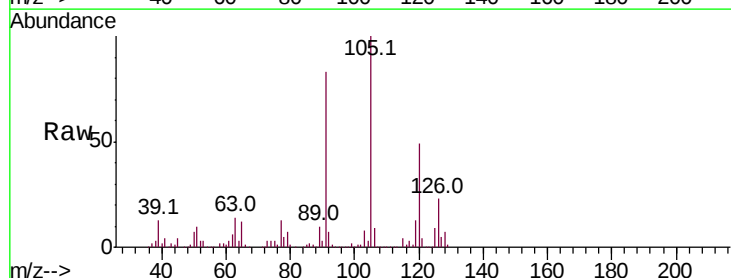
Acq: 11 May 2019 13:34

Tgt Ion:105 Resp: 155231

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)

150000

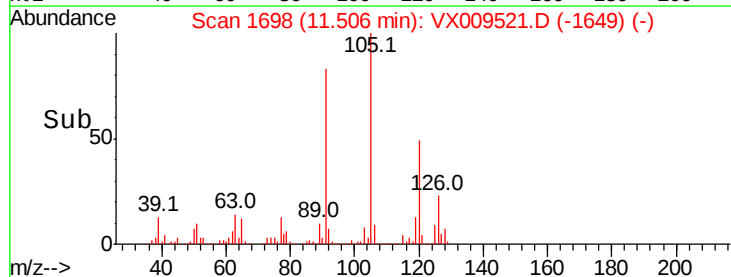
100000

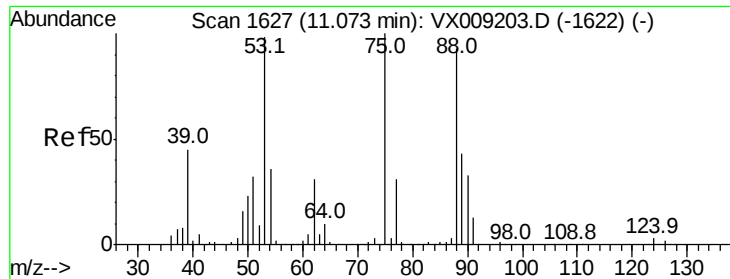
50000

0

11.40 11.50 11.60

Time-->





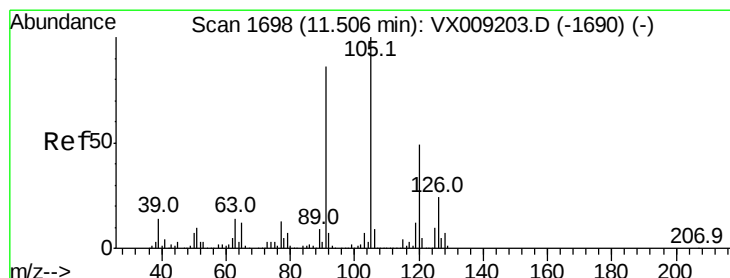
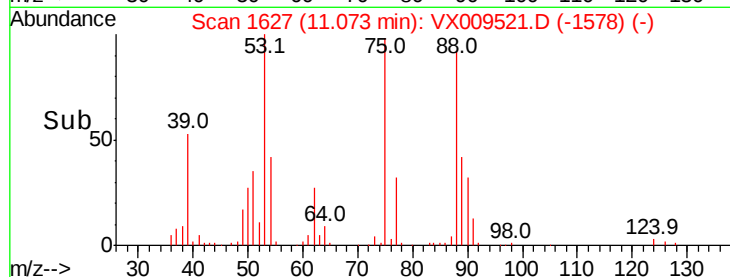
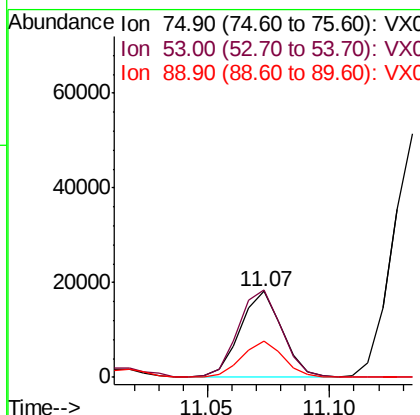
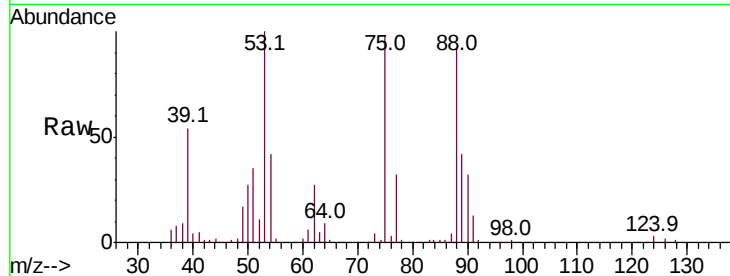
#81
trans-1,4-Dichloro-2-butene
Concen: 20.302 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampled :
VX0511WBSD01

Tot Ion: 75 Resp: 21492
Ion Ratio Lower Upper
75 100
53 107.6 79.0 118.6
89 42.7 34.7 52.1

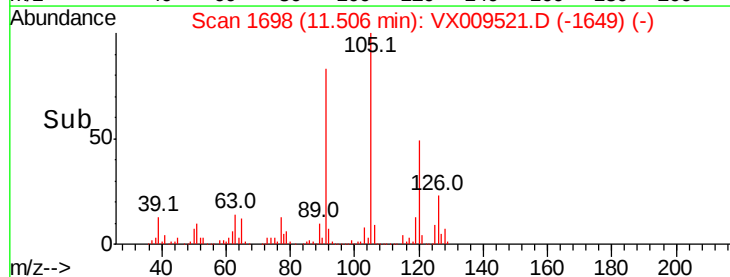
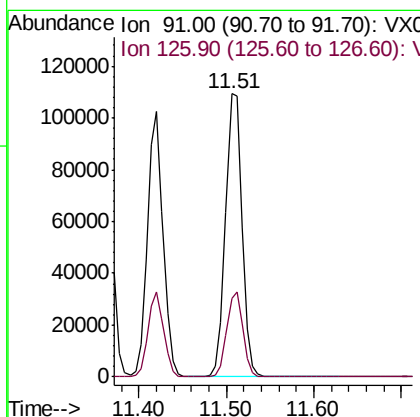
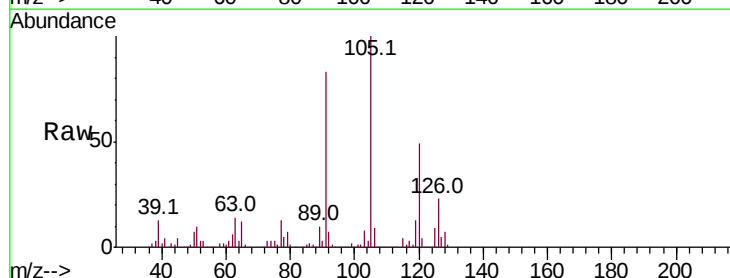
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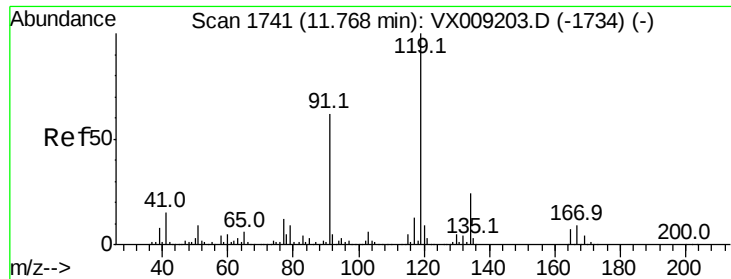
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.199 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion: 91 Resp: 143285
Ion Ratio Lower Upper
91 100
126 29.1 14.5 43.6





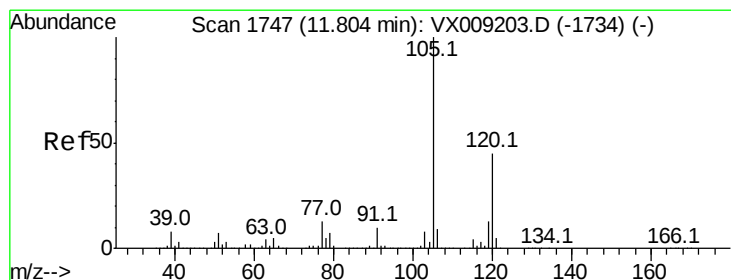
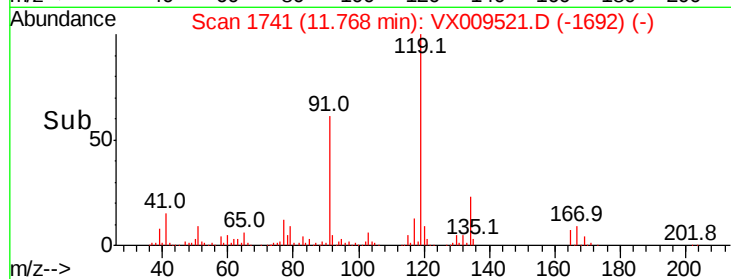
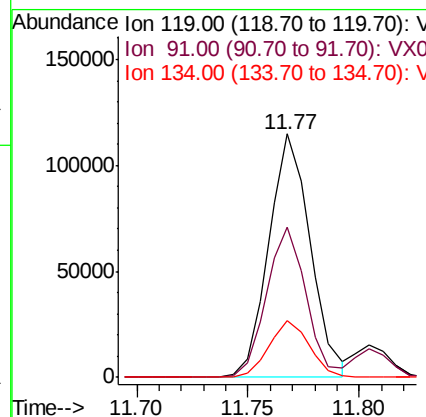
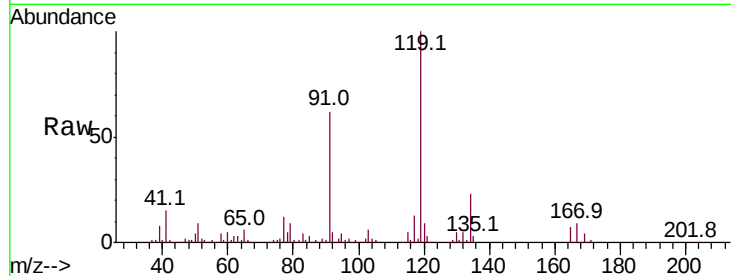
#83
tert-Butylbenzene
Concen: 21.332 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	148371		
91	59.1	29.5	88.5	
134	22.5	11.4	34.1	

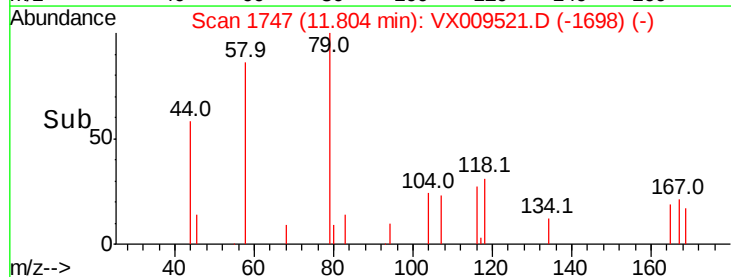
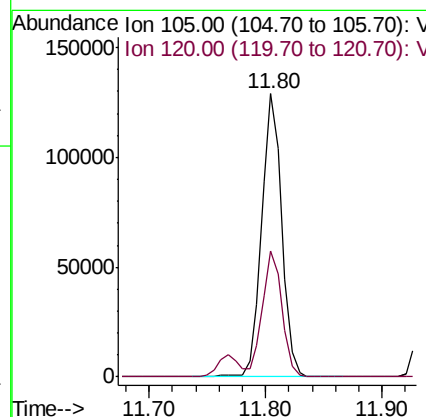
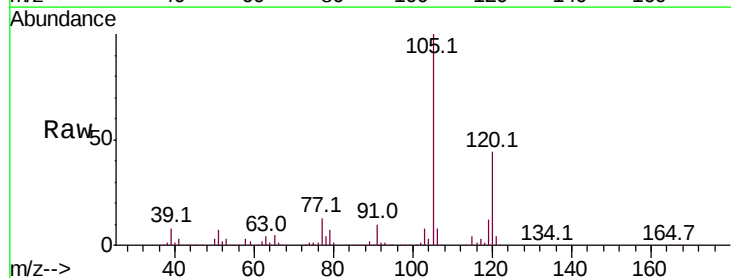
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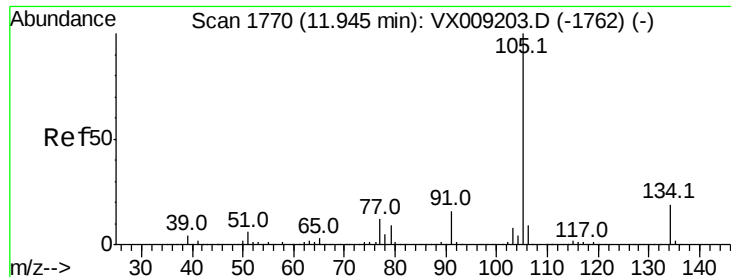
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#84
1,2,4-Trimethylbenzene
Concen: 21.630 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	155231		
120	44.0	22.0	66.0	





#85

sec-Butylbenzene

Concen: 21.121 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBSD01

Tot Ion:105 Resp: 174164

Ion Ratio Lower Upper

105 100

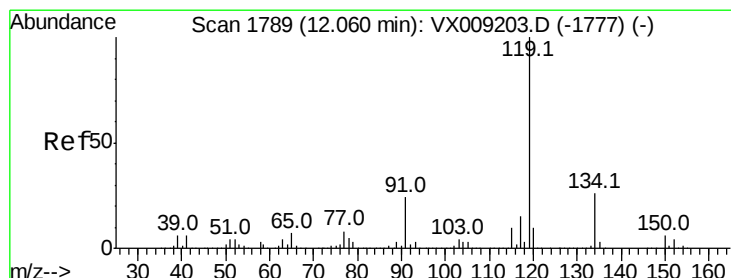
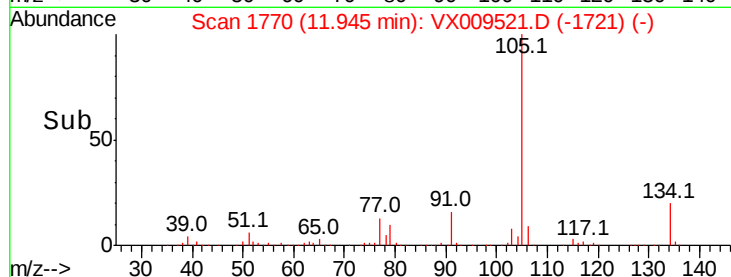
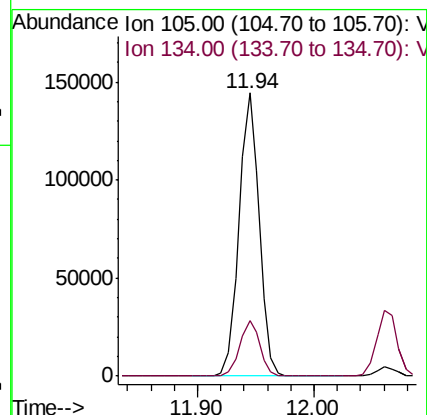
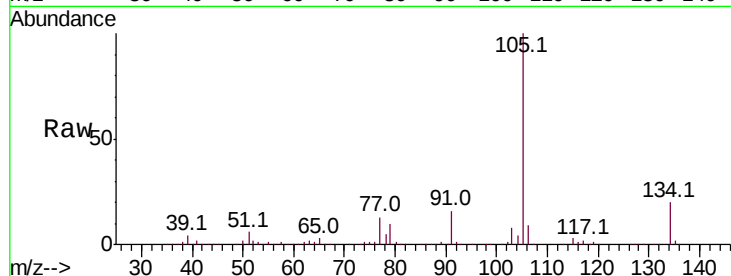
134 19.6 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.527 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009521.D

Acq: 11 May 2019 13:34

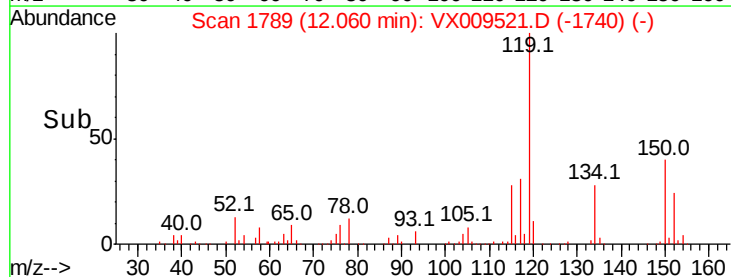
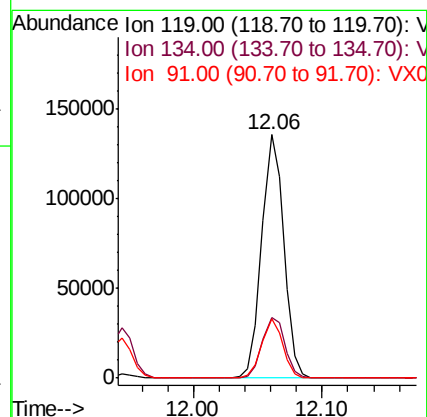
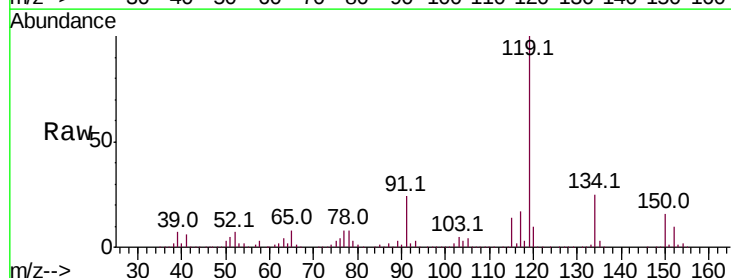
Tgt Ion:119 Resp: 159582

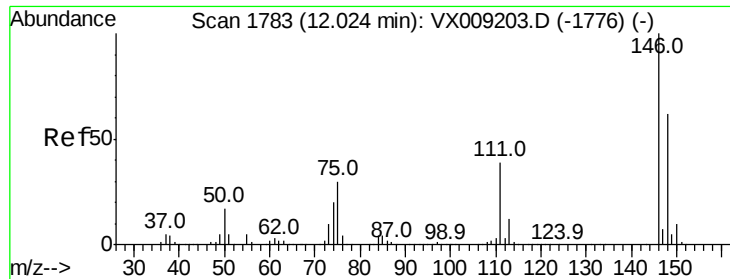
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.6 11.8 35.4





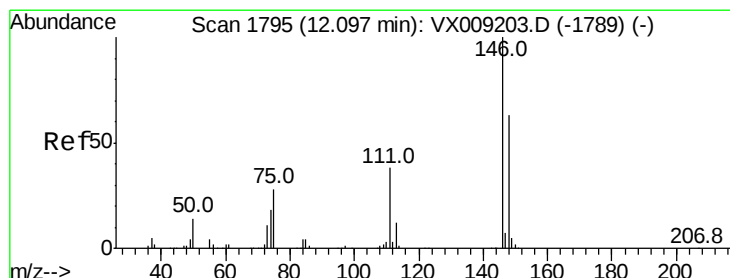
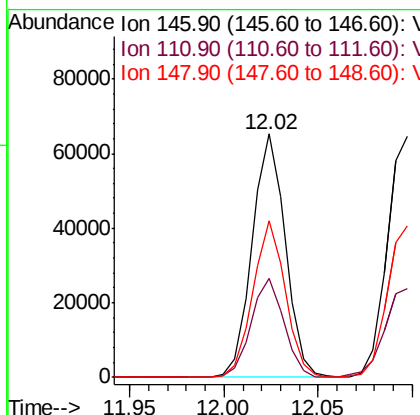
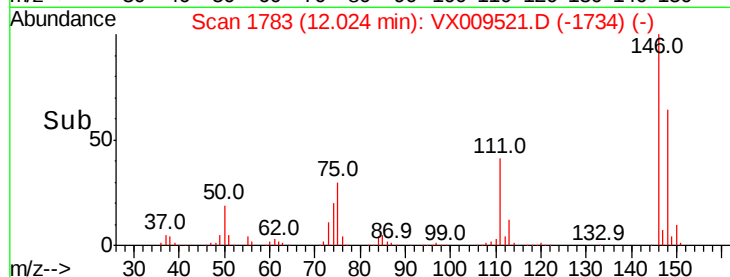
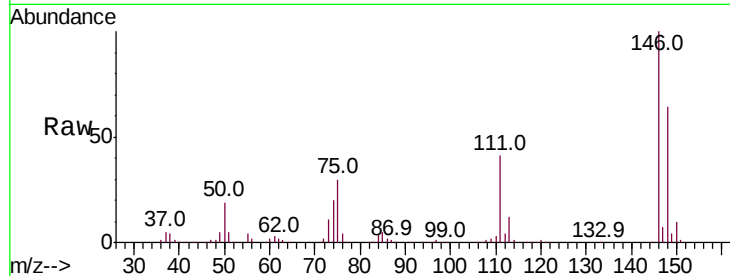
#87
 1,3-Dichlorobenzene
 Concen: 21.164 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	62.9	31.8	95.3

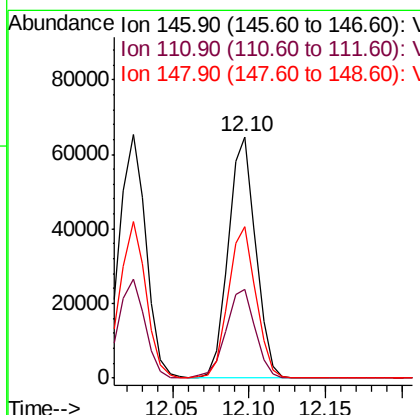
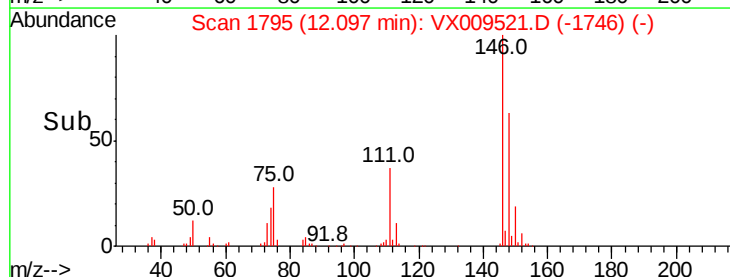
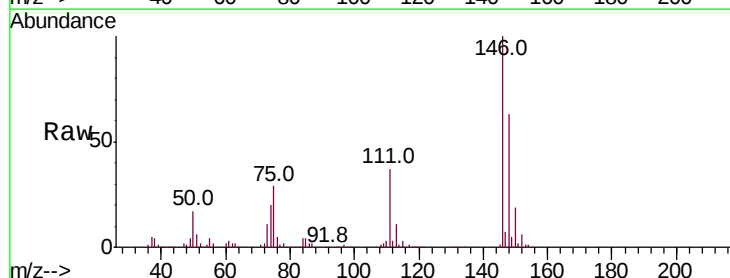
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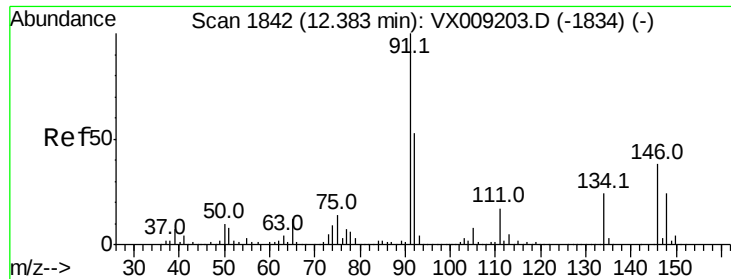
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#88
 1,4-Dichlorobenzene
 Concen: 21.168 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	63.4	31.8	95.3





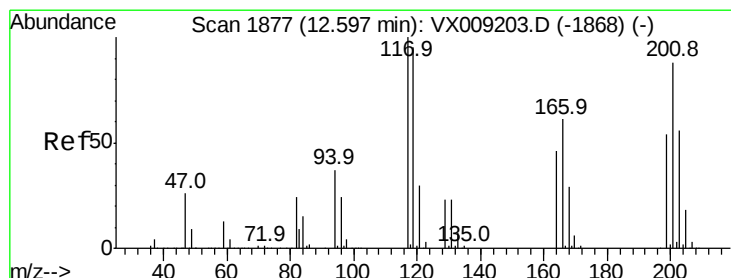
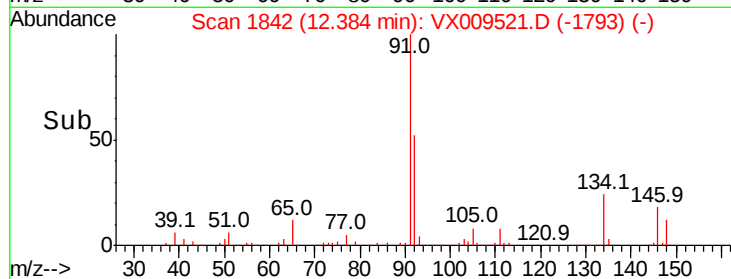
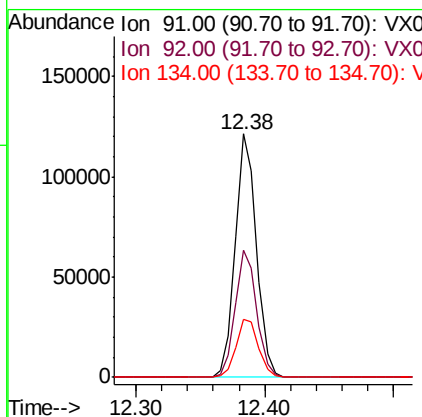
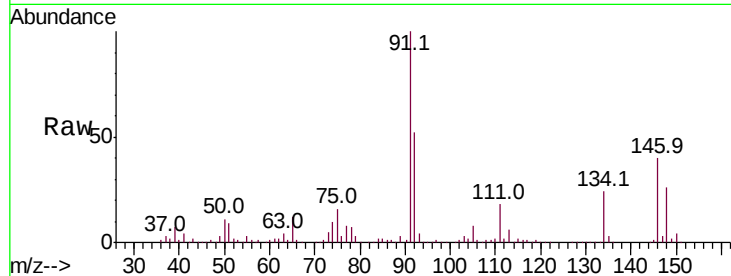
#89
n-Butylbenzene
Concen: 20.818 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.9	26.5	79.5	
134	24.9	12.4	37.2	

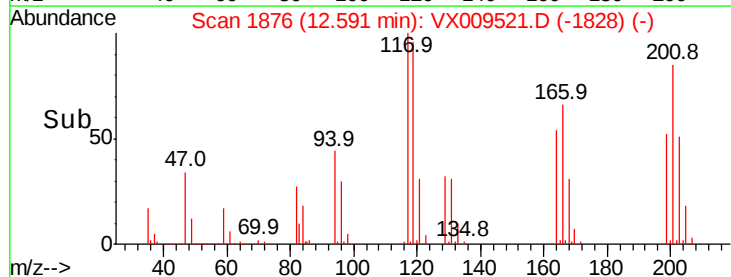
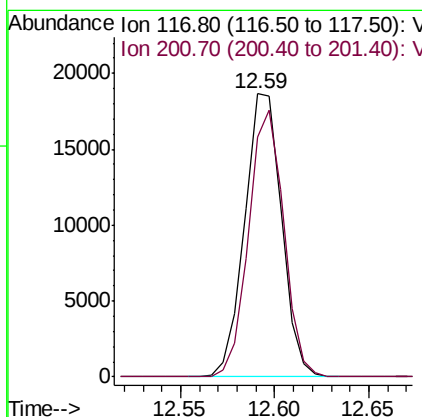
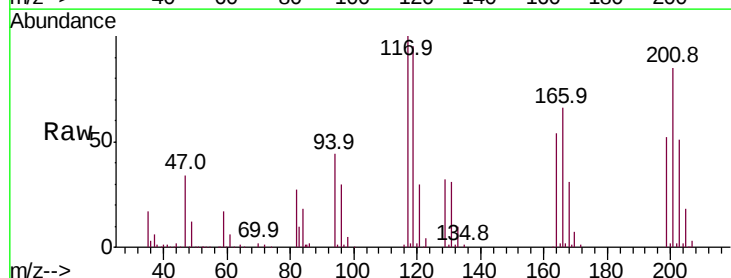
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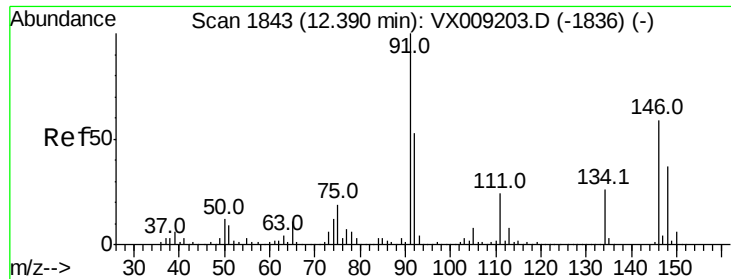
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#90
Hexachloroethane
Concen: 20.113 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.5	42.3	126.9	





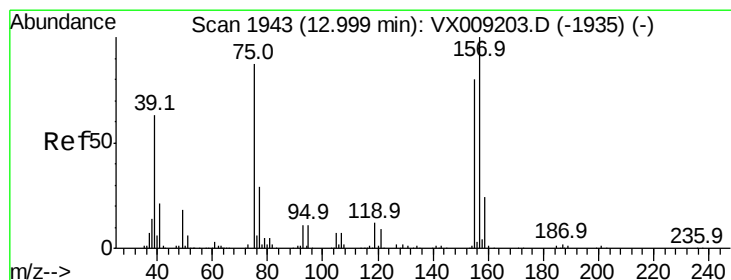
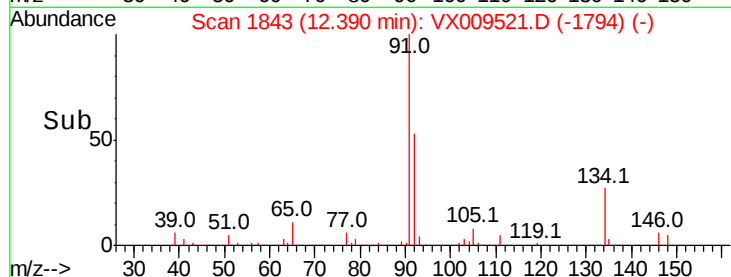
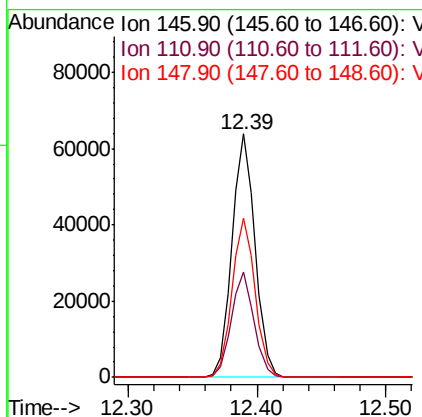
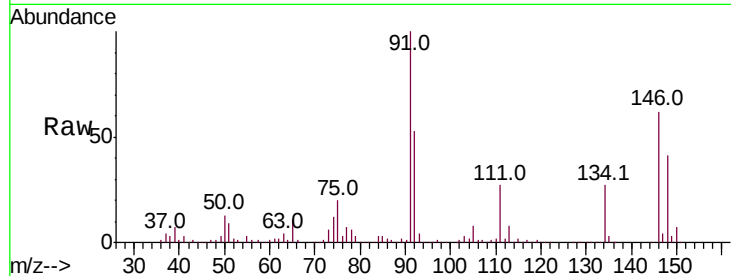
#91
 1,2-Dichlorobenzene
 Concen: 20.925 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.4
148	65.2	31.9	95.9

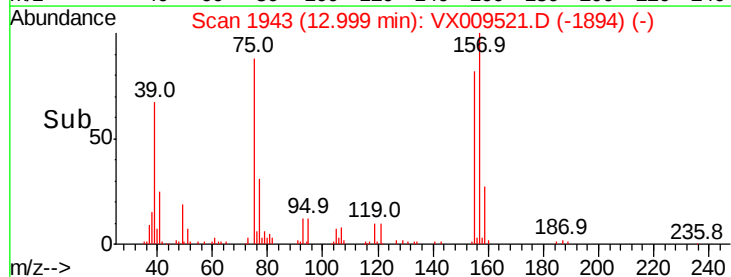
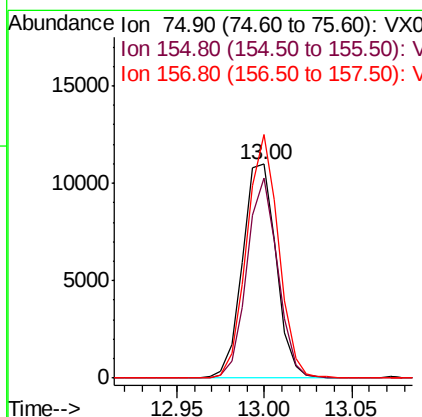
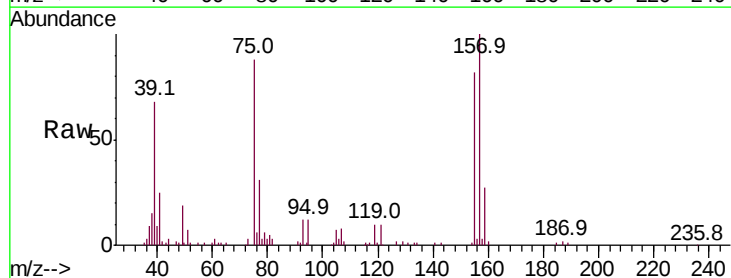
Manual Integrations
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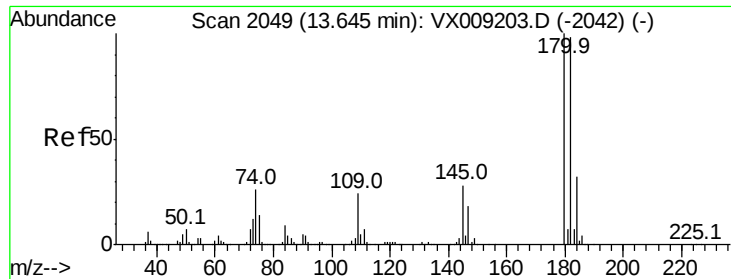
MMDadoda
 5/13/2019 4:27:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.633 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	42.0	126.0
157	107.7	53.2	159.6





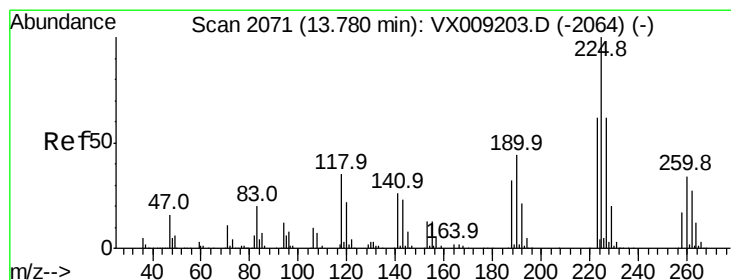
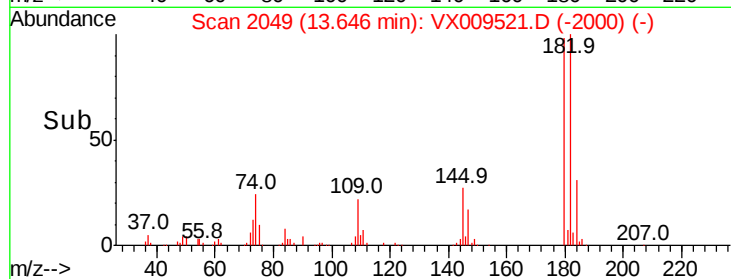
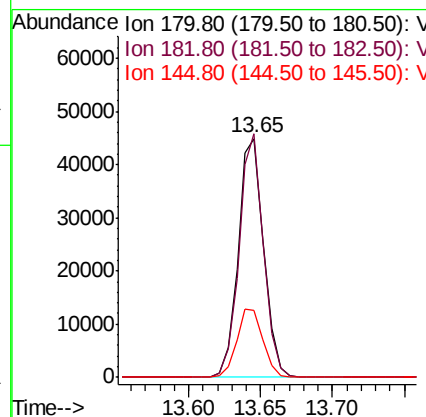
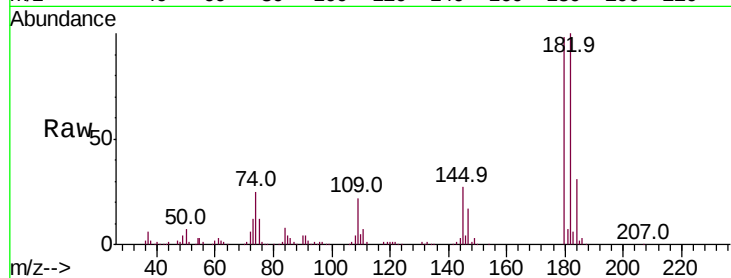
#93
 1,2,4-Trichlorobenzene
 Concen: 21.156 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.1	48.4	145.2	
145	29.5	14.6	43.8	

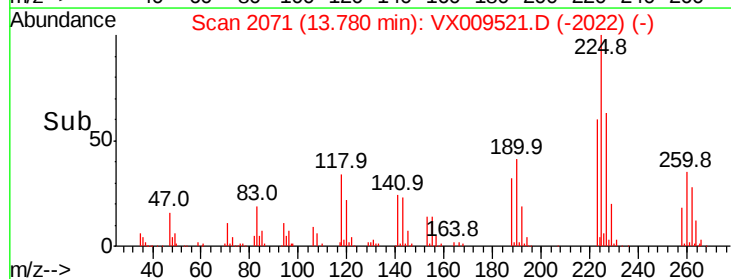
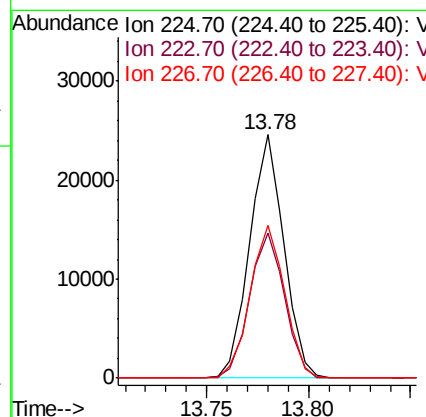
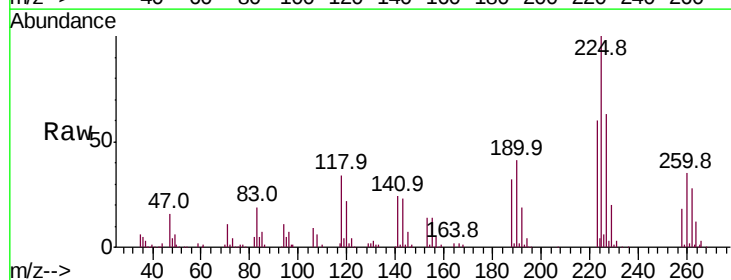
Manual Integrations
 APPROVED

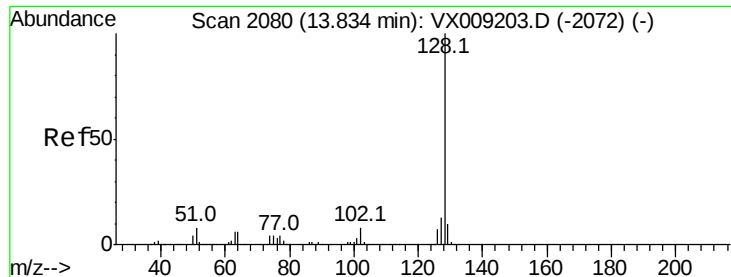
MMDadoda
 5/13/2019 4:27:10 PM



#94
 Hexachlorobutadiene
 Concen: 21.490 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009521.D
 Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.9	31.3	93.8	
227	63.6	31.8	95.3	





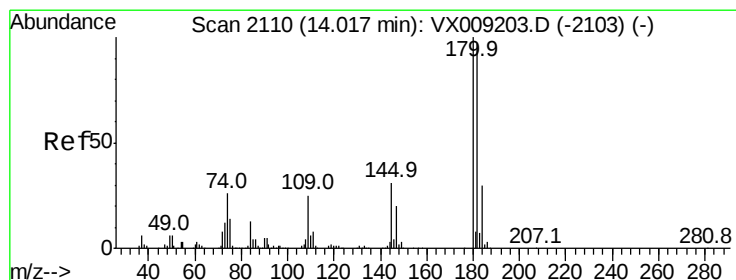
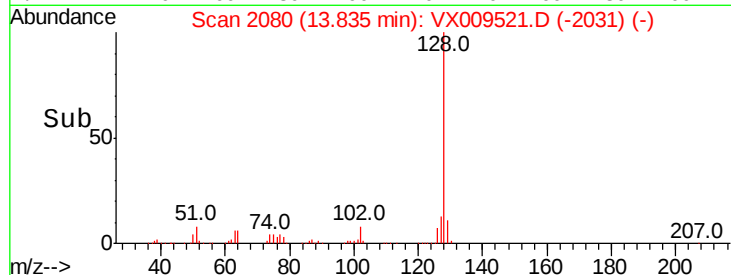
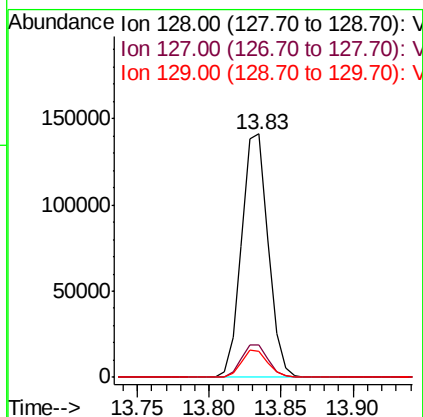
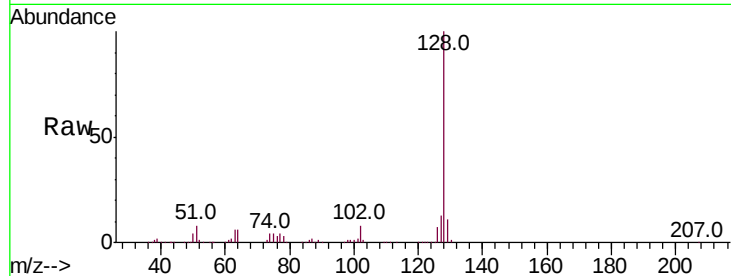
#95
Naphthalene
Concen: 21.319 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	181515		
127	13.4	10.4	15.6	
129	11.1	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
5/13/2019 4:27:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.520 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009521.D
Acq: 11 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57085		
182	95.1	47.8	143.4	
145	31.2	15.4	46.4	

