

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012549.D
 Acq On : 20 Sep 2019 12:05
 Operator : JC/SP
 Sample : VX0920MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Quant Time: Sep 20 16:19:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	186829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	129054	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	128015	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
35) Dibromofluoromethane	5.49	113	94422	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
50) Toluene-d8	8.71	98	347802	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	139177	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	21958	17.869	ug/l	98
3) Chloromethane	1.32	50	19284	18.775	ug/l	99
4) Vinyl Chloride	1.40	62	20961	18.881	ug/l	97
5) Bromomethane	1.63	94	9570	21.942	ug/l	95
6) Chloroethane	1.71	64	15250	17.554	ug/l	97
7) Trichlorofluoromethane	1.92	101	38736	19.034	ug/l	95
8) Diethyl Ether	2.18	74	17540	19.082	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28198	19.151	ug/l	98
10) Methyl Iodide	2.50	142	21260	19.773	ug/l	97
11) Tert butyl alcohol	3.03	59	62609	88.408	ug/l	99
12) 1,1-Dichloroethene	2.36	96	22268	18.958	ug/l	98
13) Acrolein	2.28	56	20541	86.262	ug/l	99
14) Allyl chloride	2.72	41	51238	18.737	ug/l	98
15) Acrylonitrile	3.13	53	112005	96.529	ug/l	100
16) Acetone	2.43	43	116497	90.128	ug/l	99
17) Carbon Disulfide	2.56	76	26972	17.457	ug/l	98
18) Methyl Acetate	2.77	43	53556	19.194	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	121607	18.988	ug/l	99
20) Methylene Chloride	2.85	84	30163	18.613	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	24105	19.762	ug/l	98
22) Diisopropyl ether	3.84	45	123854	19.343	ug/l	98
23) Vinyl Acetate	3.80	43	512565	97.314	ug/l	100
24) 1,1-Dichloroethane	3.69	63	59817	19.525	ug/l	98
25) 2-Butanone	4.66	43	168059	90.482	ug/l	98
26) 2,2-Dichloropropane	4.57	77	54130	17.966	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	35414	19.436	ug/l	99
28) Bromochloromethane	5.00	49	30701	19.438	ug/l	96
29) Tetrahydrofuran	5.11	42	99587	97.055	ug/l	99
30) Chloroform	5.20	83	66134	18.797	ug/l	99
31) Cyclohexane	5.57	56	35609	19.255	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	54415	18.504	ug/l	98
36) 1,1-Dichloropropene	5.79	75	34844	18.636	ug/l	96
37) Ethyl Acetate	4.82	43	58789	20.484	ug/l	97
38) Carbon Tetrachloride	5.78	117	43517	18.714	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	34940	19.223	ug/l	98
40) Benzene	6.14	78	119313	20.068	ug/l	99
41) Methacrylonitrile	5.03	41	34402	18.616	ug/l	96
42) 1,2-Dichloroethane	6.19	62	54072	19.608	ug/l	99
43) Isopropyl Acetate	6.44	43	99123	19.243	ug/l	99
44) Trichloroethene	7.21	130	32252	20.622	ug/l	97
45) 1,2-Dichloropropane	7.51	63	36337	19.893	ug/l	97
46) Dibromomethane	7.65	93	22750	19.246	ug/l	99
47) Bromodichloromethane	7.89	83	49809	18.925	ug/l	98
48) Methyl methacrylate	7.76	41	45415	18.704	ug/l	97
49) 1,4-Dioxane	7.73	88	22304	377.414	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	328875	97.358	ug/l	98
52) Toluene	8.78	92	77307	20.179	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52412	19.157	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	55544	19.610	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38705	19.610	ug/l	99
56) Ethyl methacrylate	9.17	69	60018	19.449	ug/l	98
57) 1,3-Dichloropropane	9.37	76	62253	19.768	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	172742	108.138	ug/l	99
59) 2-Hexanone	9.49	43	251762	95.531	ug/l	99
60) Dibromochloromethane	9.57	129	39040	19.418	ug/l	99
61) 1,2-Dibromoethane	9.67	107	37068	20.563	ug/l	99
64) Tetrachloroethene	9.33	164	30613	24.046	ug/l	92
65) Chlorobenzene	10.14	112	90661	19.772	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	37393	19.649	ug/l	98
67) Ethyl Benzene	10.25	91	155650	19.757	ug/l	99
68) m/p-Xylenes	10.36	106	115866	40.422	ug/l	98
69) o-Xylene	10.70	106	59269	20.106	ug/l	98
70) Styrene	10.71	104	103460	19.836	ug/l	99
71) Bromoform	10.86	173	26763	18.266	ug/l #	100
73) Isopropylbenzene	11.01	105	165681	20.461	ug/l	98
74) N-amyl acetate	10.89	43	86147	19.761	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	63206	19.899	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	71306	24.054	ug/l	88
77) Bromobenzene	11.25	156	40039	20.275	ug/l	97
78) n-propylbenzene	11.35	91	182357	20.206	ug/l	97
79) 2-Chlorotoluene	11.42	91	117062	19.938	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	140828	20.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18027	18.757	ug/l	93
82) 4-Chlorotoluene	11.51	91	134886	20.018	ug/l	99
83) tert-Butylbenzene	11.76	119	144654	19.548	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	143263	20.205	ug/l	99
85) sec-Butylbenzene	11.94	105	162894	19.977	ug/l	99
86) p-Isopropyltoluene	12.06	119	148364	19.815	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	75158	20.232	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	74707	19.578	ug/l	98
89) n-Butylbenzene	12.39	91	122937	18.402	ug/l	99
90) Hexachloroethane	12.59	117	25321	18.443	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	79360	20.440	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15750	19.126	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
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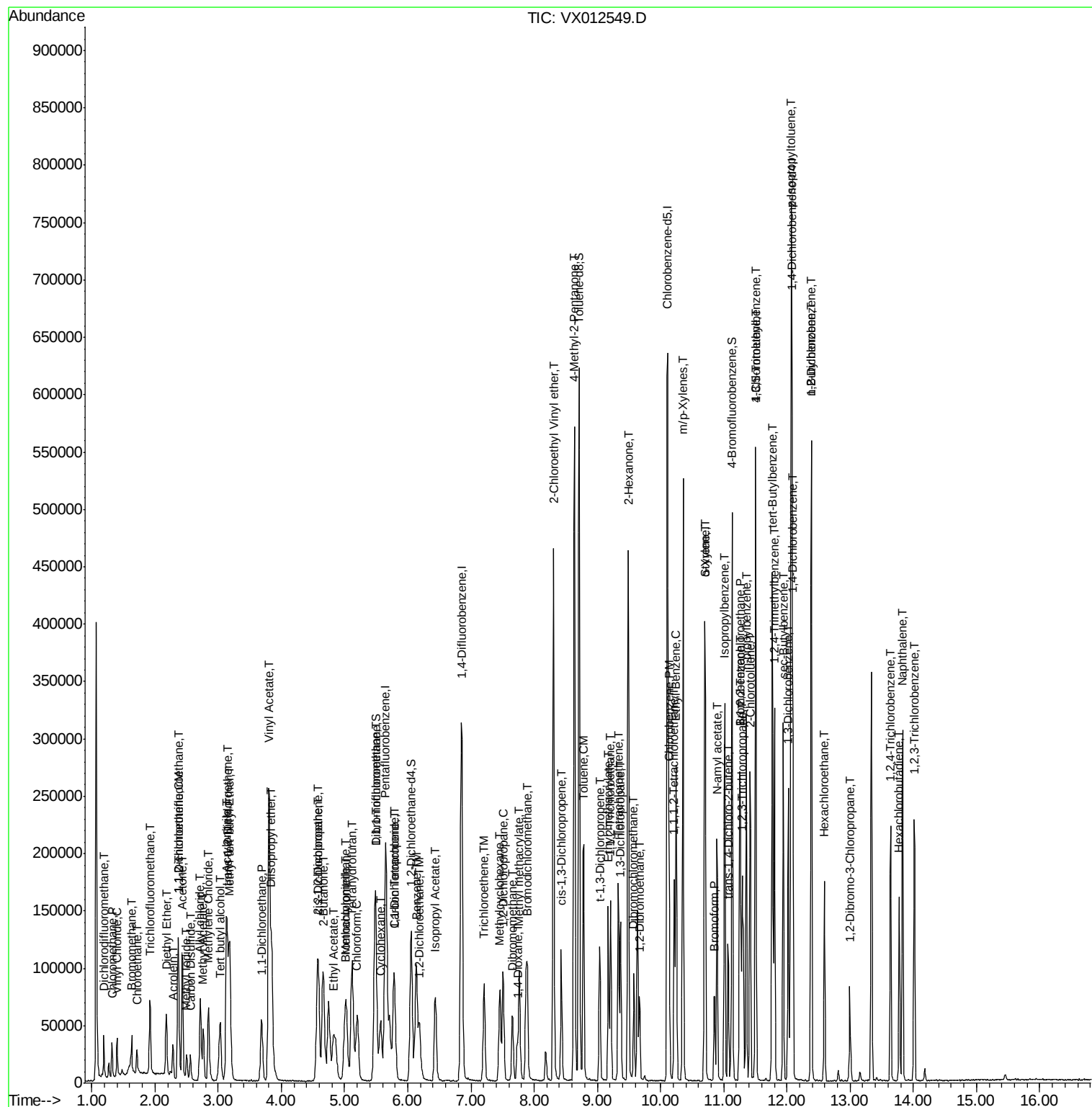
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	49033	19.606	ug/l	99
94) Hexachlorobutadiene	13.78	225	20899	17.731	ug/l	100
95) Naphthalene	13.83	128	177376	19.933	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	50485	19.810	ug/l	98

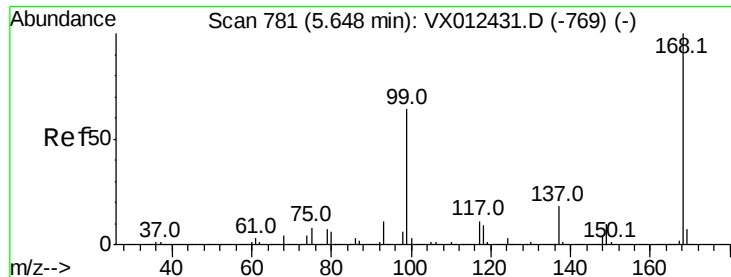
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

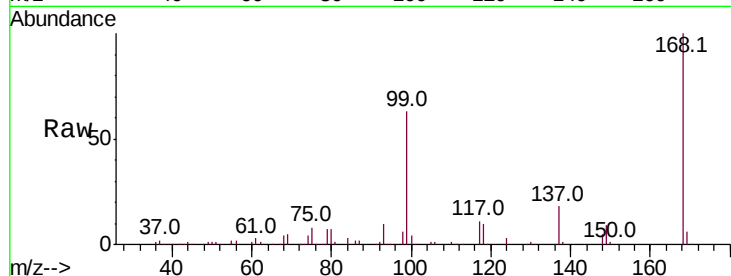
VX0920MBS01

Tot Ion:168 Resp: 186829

Ion Ratio Lower Upper

168 100

99 62.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

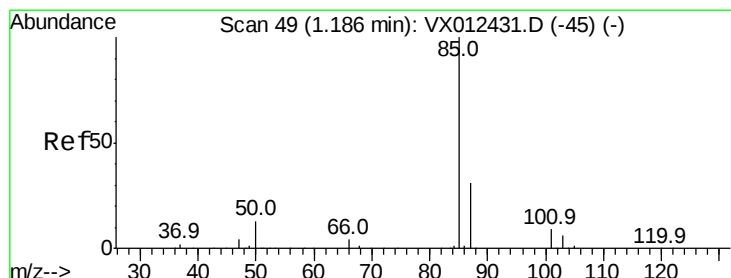
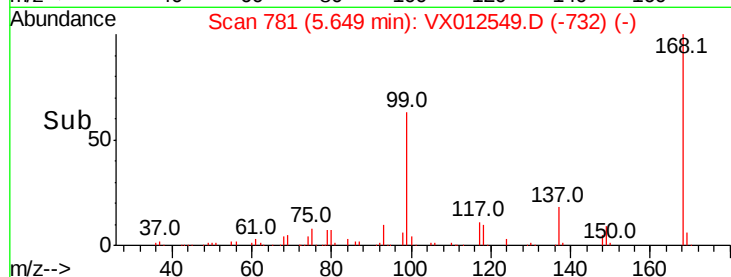
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.869 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012549.D

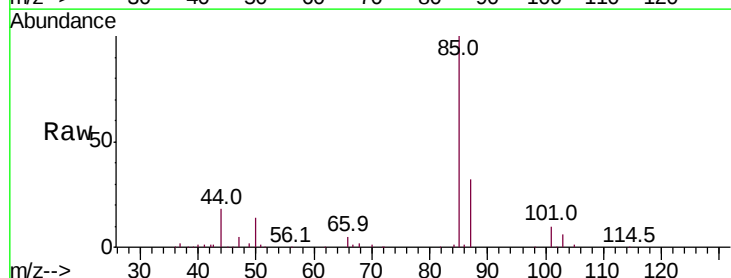
Acq: 20 Sep 2019 12:05

Tgt Ion: 85 Resp: 21958

Ion Ratio Lower Upper

85 100

87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

15000

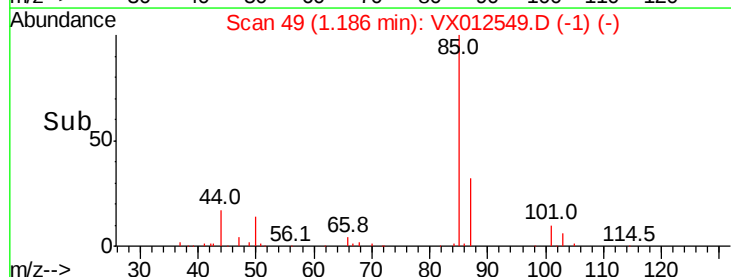
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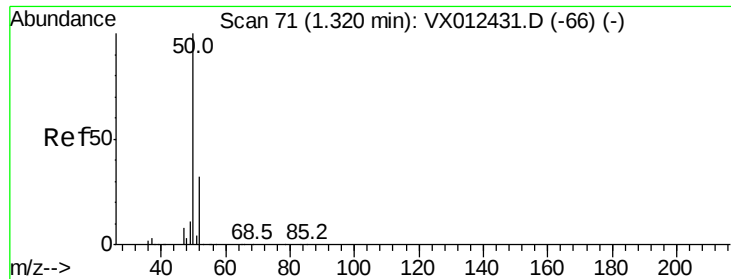
5000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.775 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

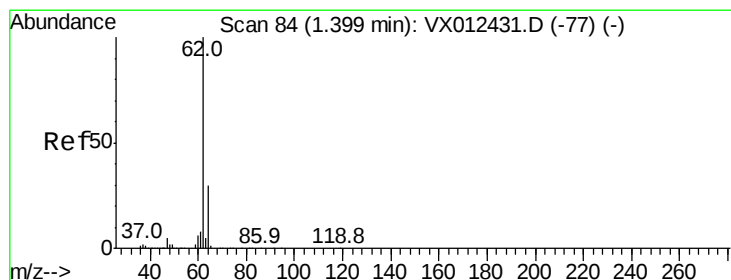
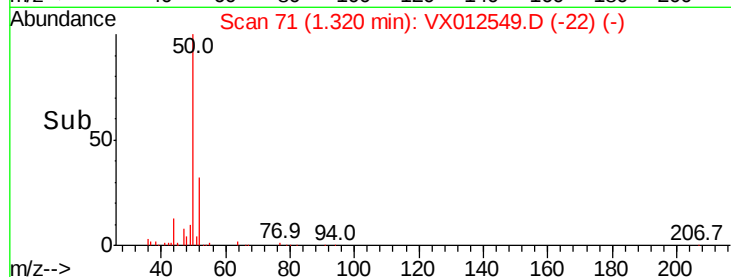
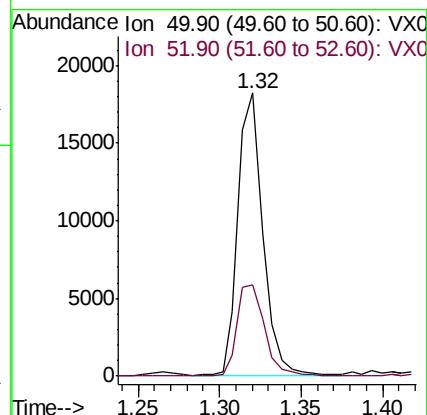
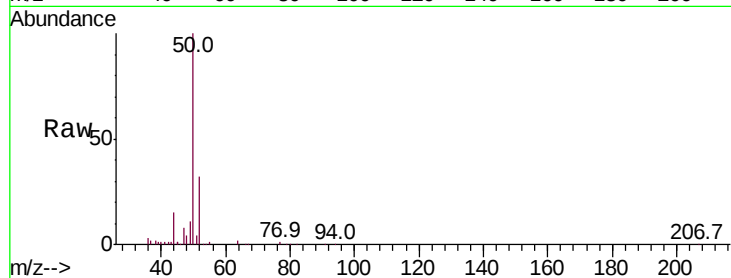
VX0920MBS01

Tot Ion: 50 Resp: 19284

Ion Ratio Lower Upper

50 100

52 32.6 25.7 38.5



#4

Vinyl Chloride

Concen: 18.881 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012549.D

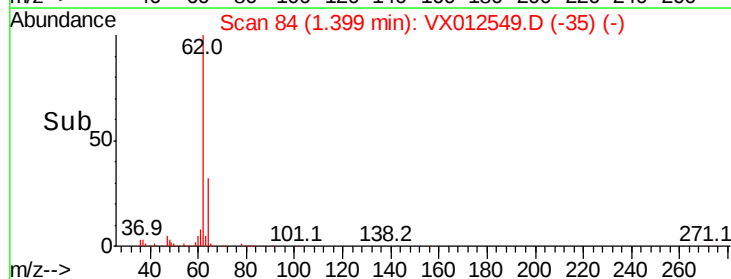
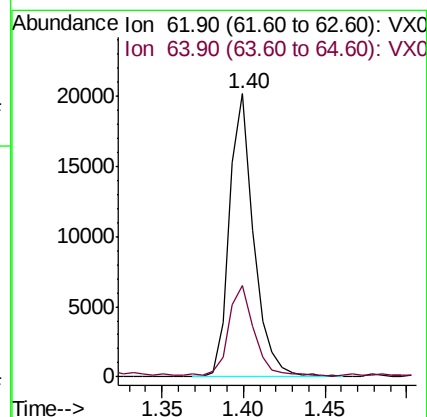
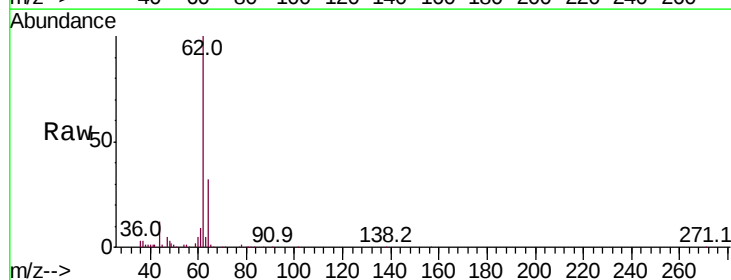
Acq: 20 Sep 2019 12:05

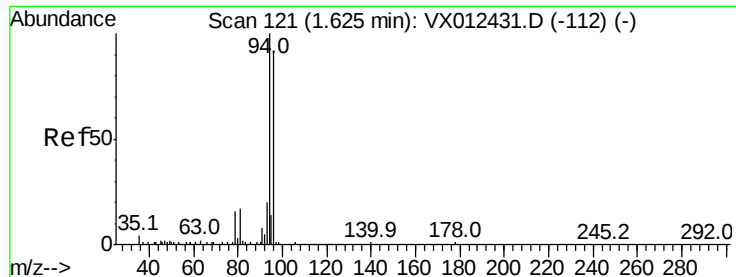
Tgt Ion: 62 Resp: 20961

Ion Ratio Lower Upper

62 100

64 31.6 24.2 36.2





#5

Bromomethane

Concen: 21.942 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

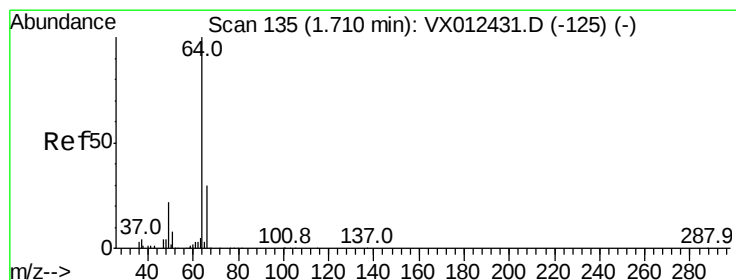
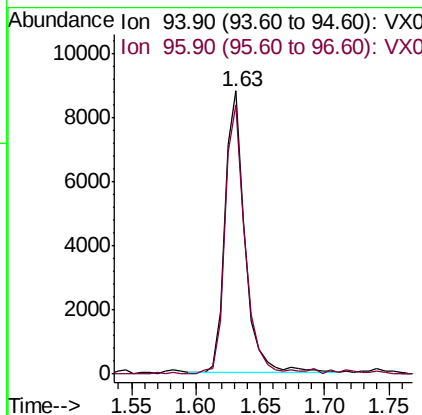
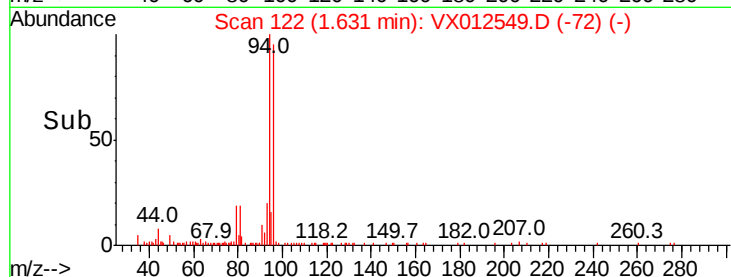
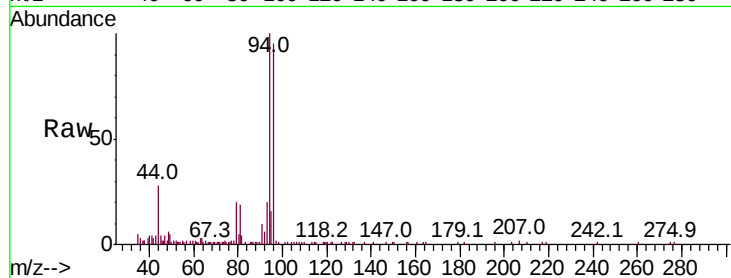
VX0920MBS01

Tot Ion: 94 Resp: 9570

Ion Ratio Lower Upper

94 100

96 95.6 72.8 109.2



#6

Chloroethane

Concen: 17.554 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012549.D

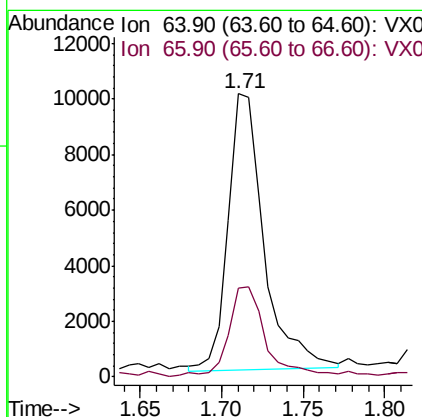
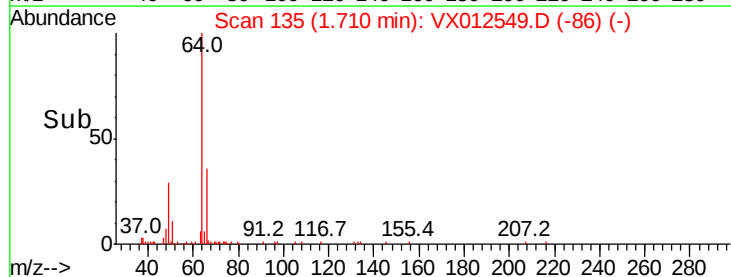
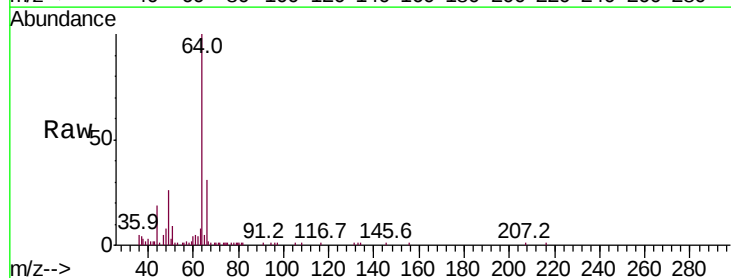
Acq: 20 Sep 2019 12:05

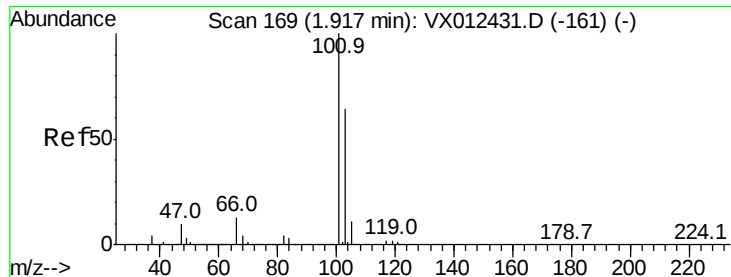
Tgt Ion: 64 Resp: 15250

Ion Ratio Lower Upper

64 100

66 31.4 24.0 36.0



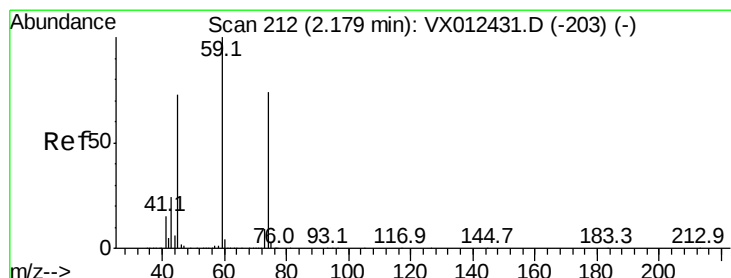
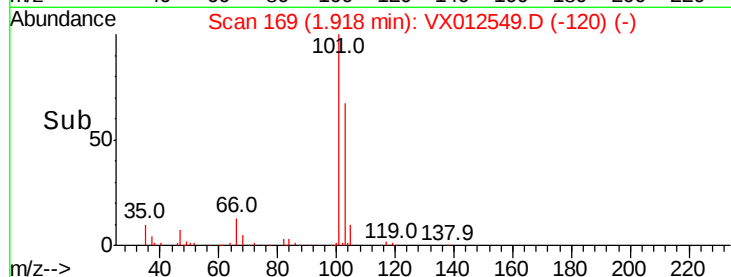
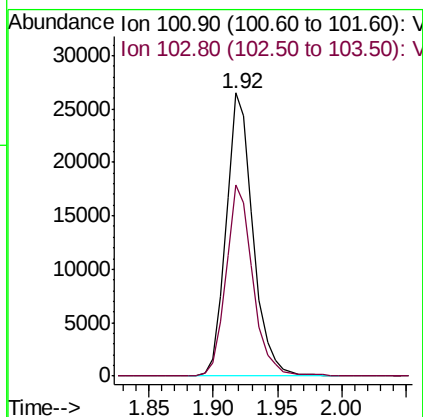
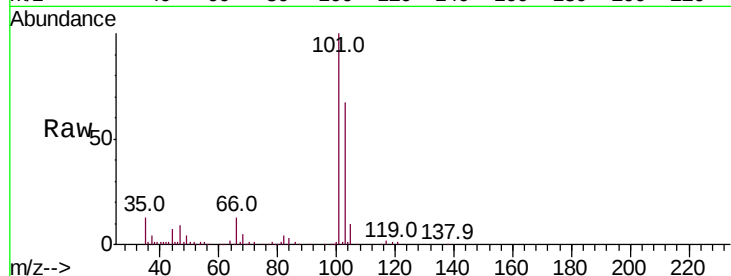


#7

Trichlorofluoromethane
Concen: 19.034 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

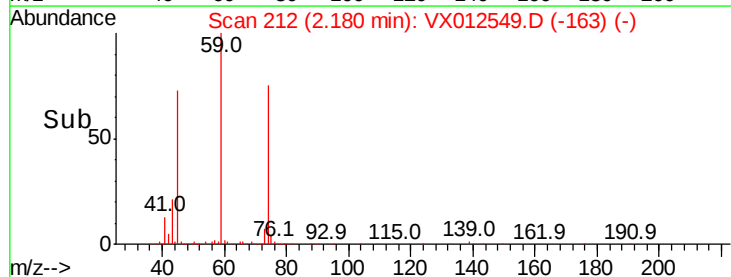
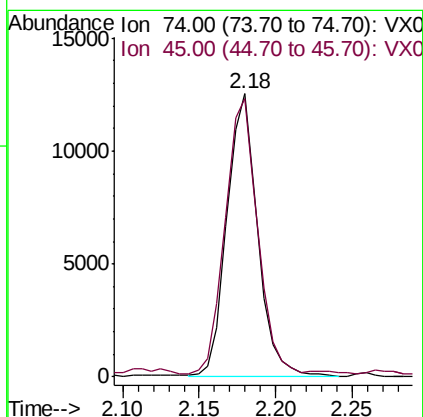
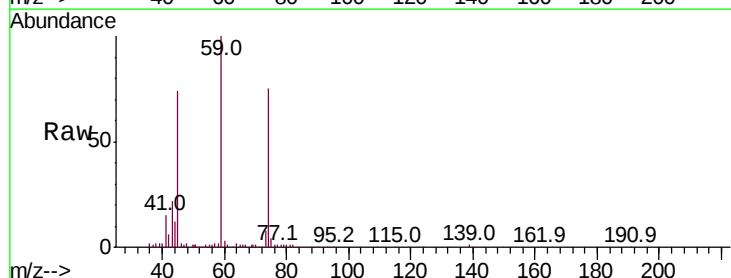
Tot Ion:101 Resp: 38736
Ion Ratio Lower Upper
101 100
103 67.2 51.0 76.4

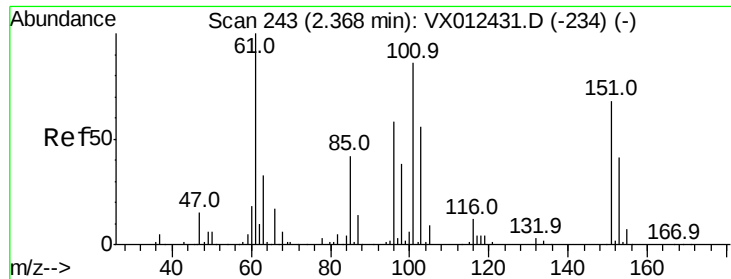


#8

Diethyl Ether
Concen: 19.082 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion: 74 Resp: 17540
Ion Ratio Lower Upper
74 100
45 102.1 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.151 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

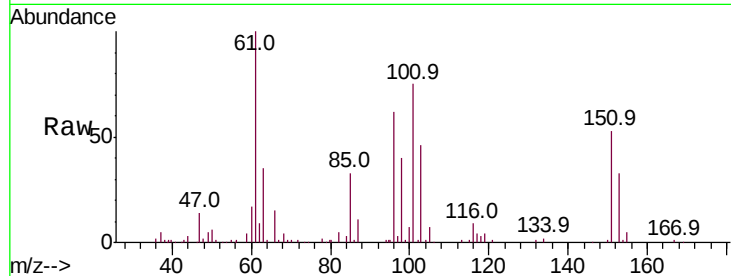
Tot Ion:101 Resp: 28198

Ion Ratio Lower Upper

101 100

85 44.1 37.3 55.9

151 76.5 61.0 91.4

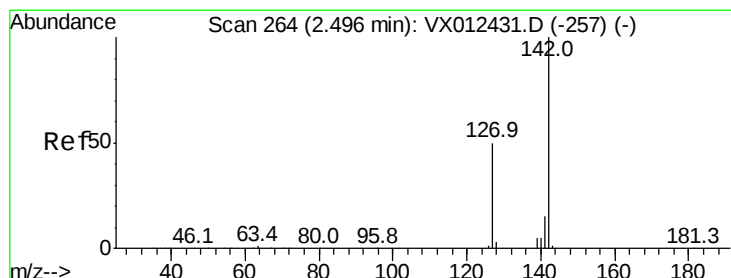
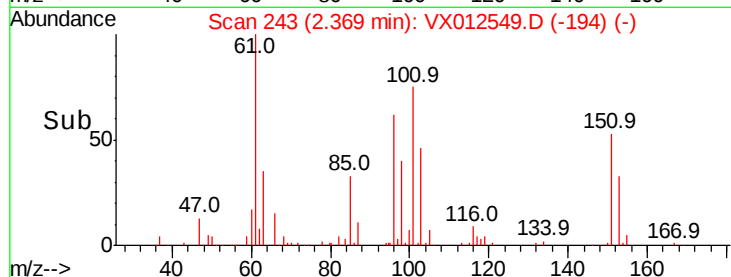
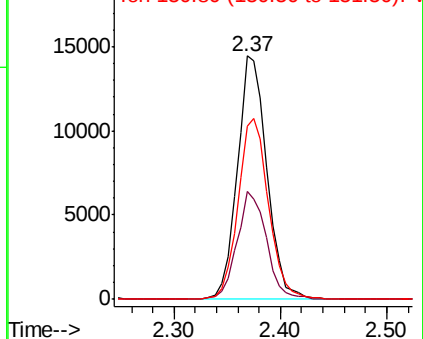


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.773 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

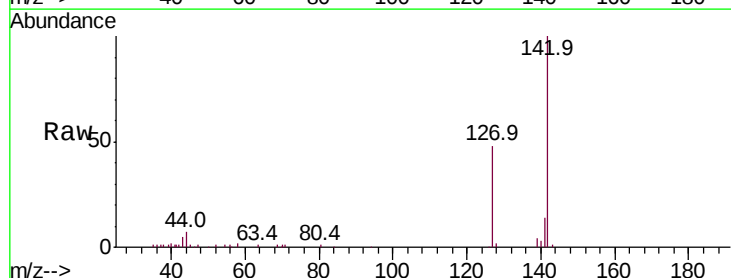
Tgt Ion:142 Resp: 21260

Ion Ratio Lower Upper

142 100

127 48.8 40.8 61.2

141 14.7 12.1 18.1

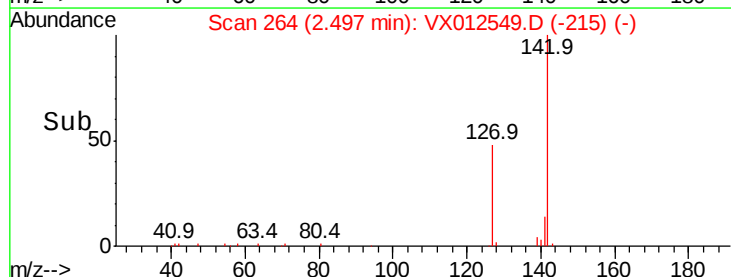
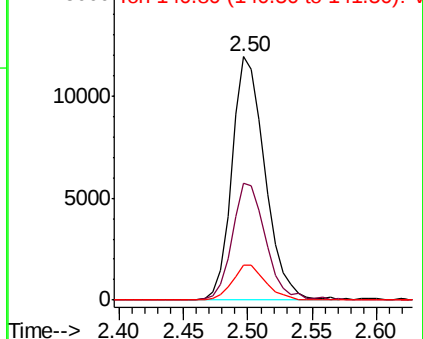


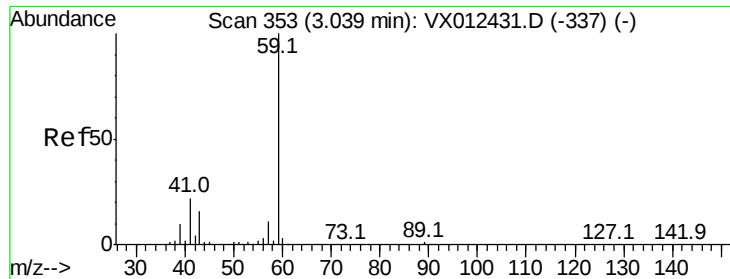
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

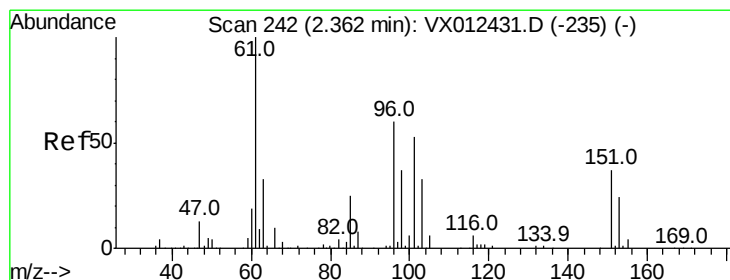
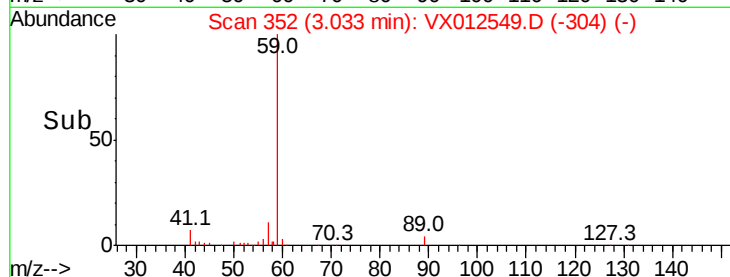
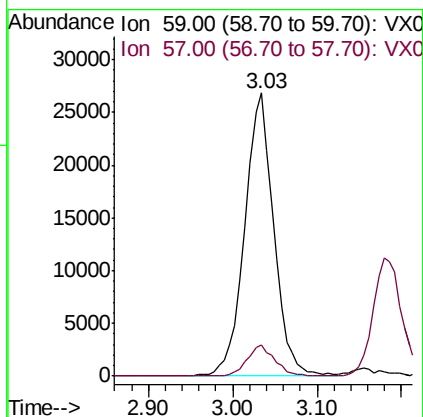
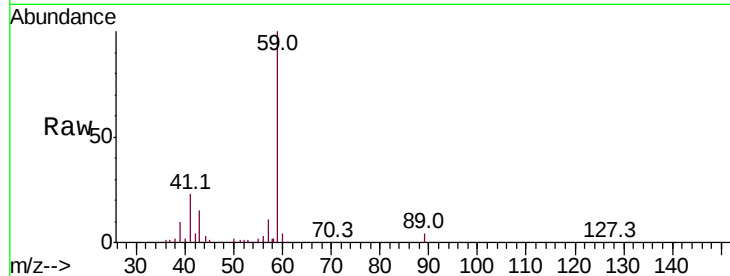




#11
Tert butyl alcohol
Concen: 88.408 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

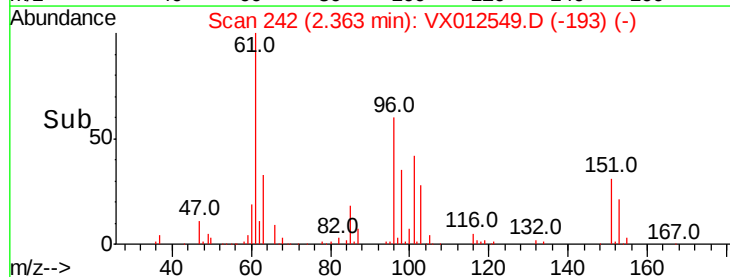
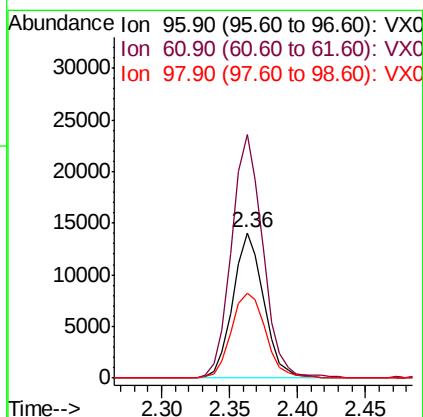
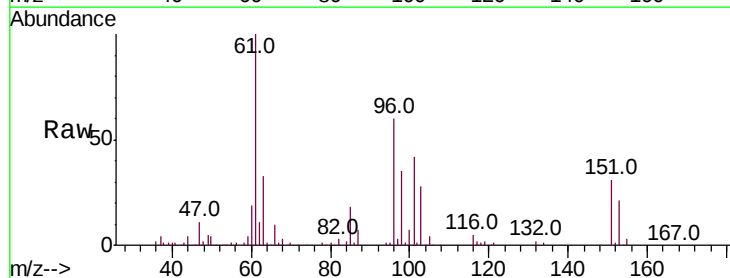
Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

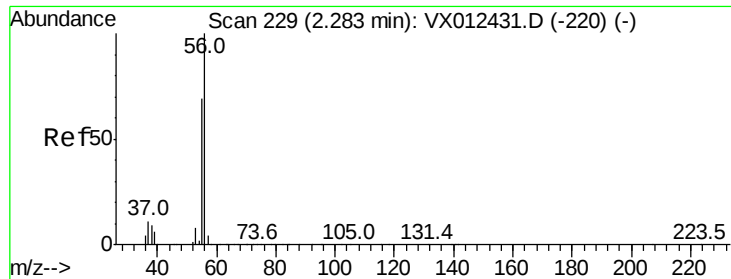
Tot Ion: 59 Resp: 62609
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5



#12
1,1-Dichloroethene
Concen: 18.958 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion: 96 Resp: 22268
Ion Ratio Lower Upper
96 100
61 167.9 133.8 200.6
98 58.8 49.9 74.9





#13

Acrolein

Concen: 86.262 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

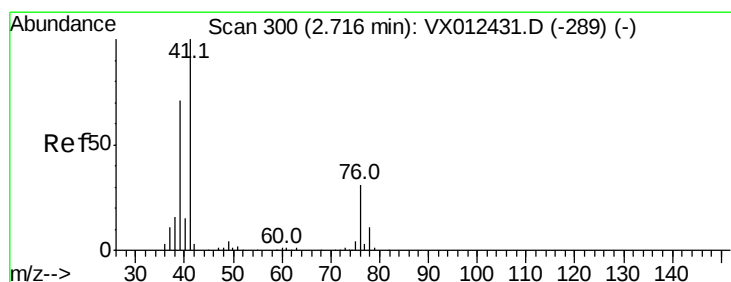
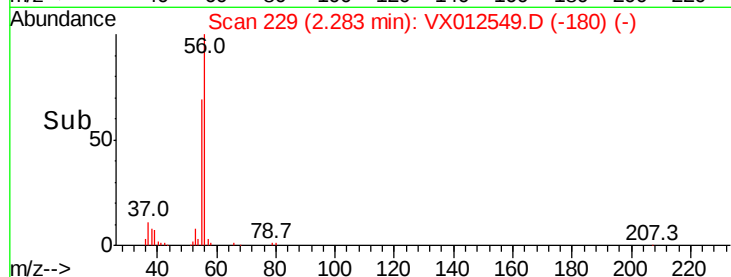
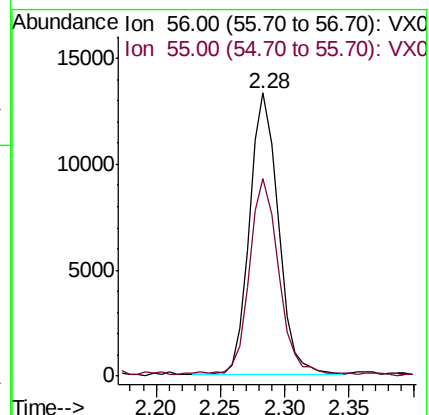
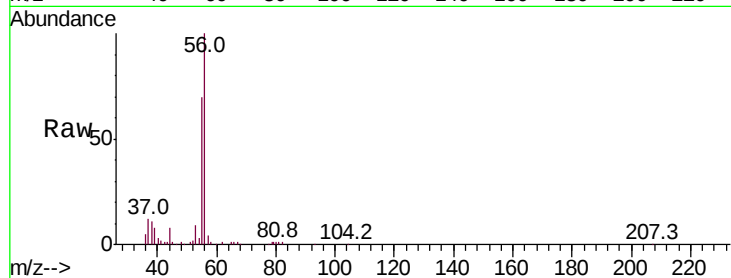
VX0920MBS01

Tot Ion: 56 Resp: 20541

Ion Ratio Lower Upper

56 100

55 68.7 55.8 83.8



#14

Allyl chloride

Concen: 18.737 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

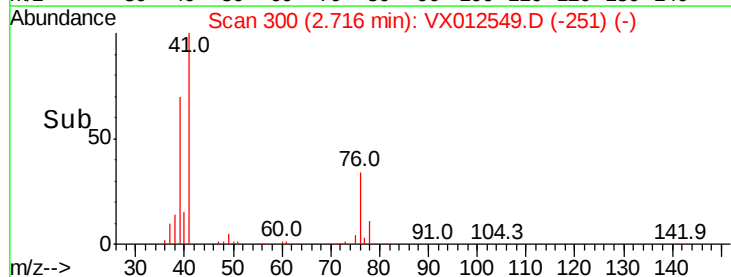
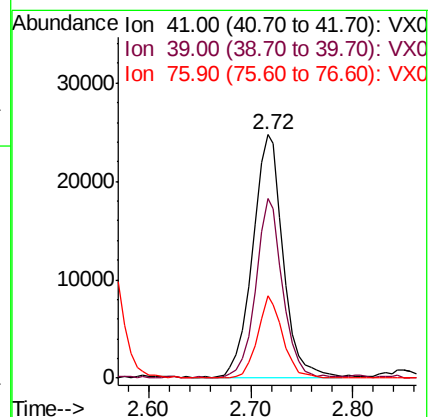
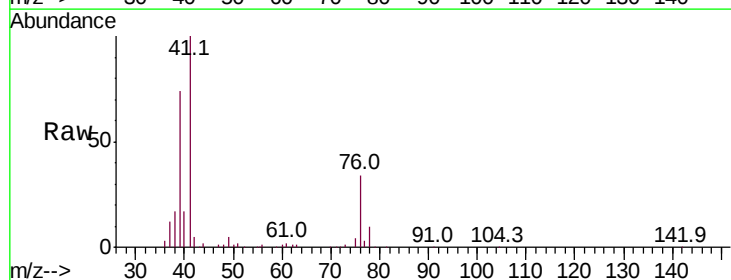
Tgt Ion: 41 Resp: 51238

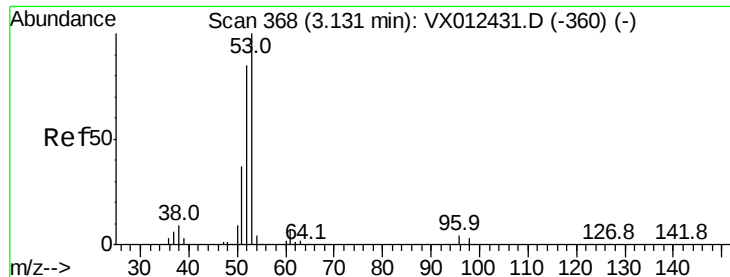
Ion Ratio Lower Upper

41 100

39 65.9 51.3 76.9

76 28.1 22.6 33.8





#15

Acrylonitrile

Concen: 96.529 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

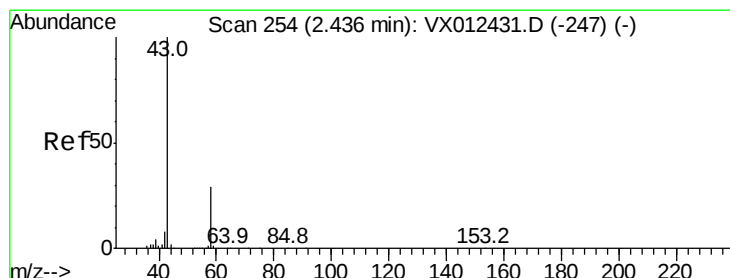
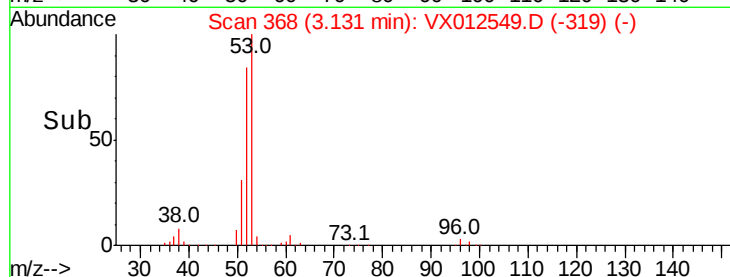
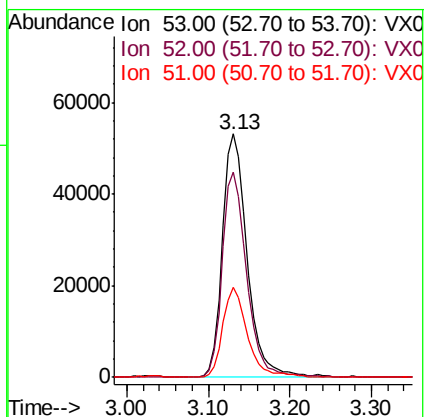
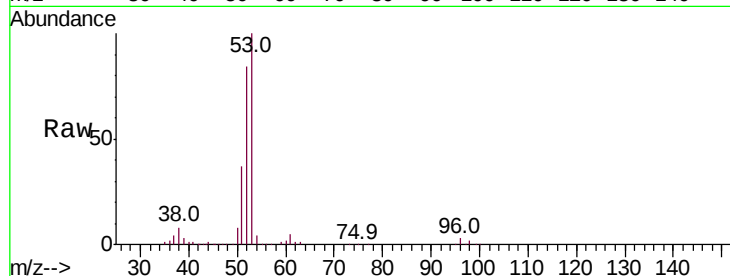
Tot Ion: 53 Resp: 112005

Ion Ratio Lower Upper

53 100

52 83.1 67.0 100.4

51 36.9 29.6 44.4



#16

Acetone

Concen: 90.128 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012549.D

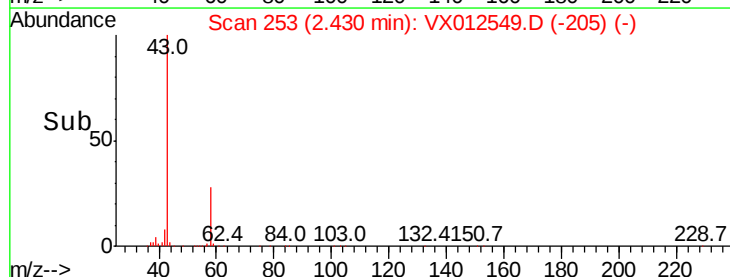
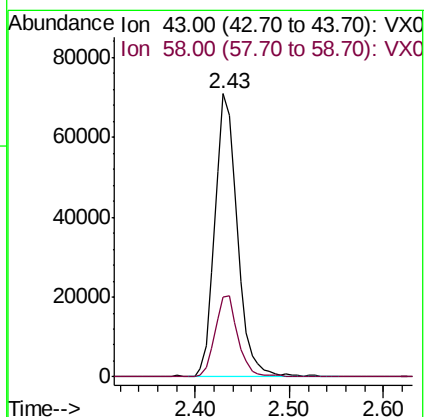
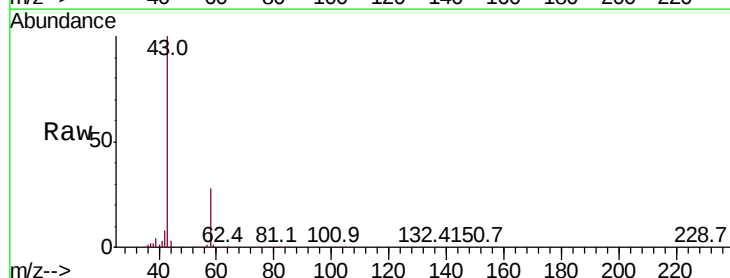
Acq: 20 Sep 2019 12:05

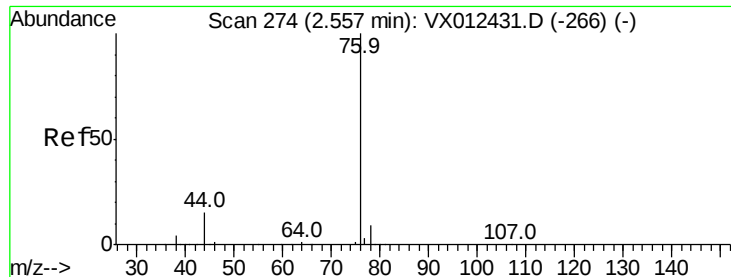
Tgt Ion: 43 Resp: 116497

Ion Ratio Lower Upper

43 100

58 28.4 23.3 34.9





#17

Carbon Disulfide

Concen: 17.457 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

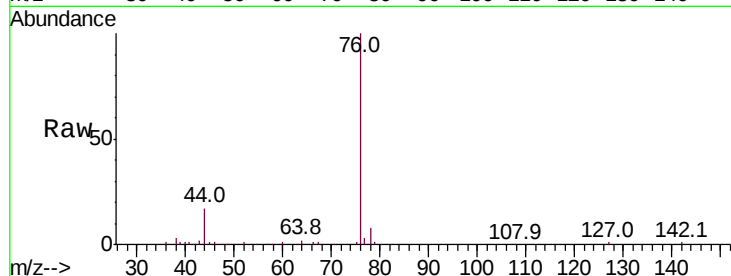
VX0920MBS01

Tot Ion: 76 Resp: 26972

Ion Ratio Lower Upper

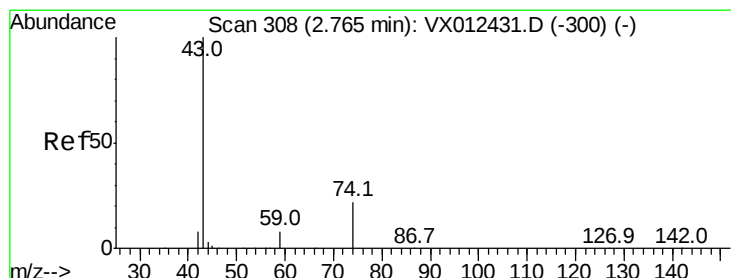
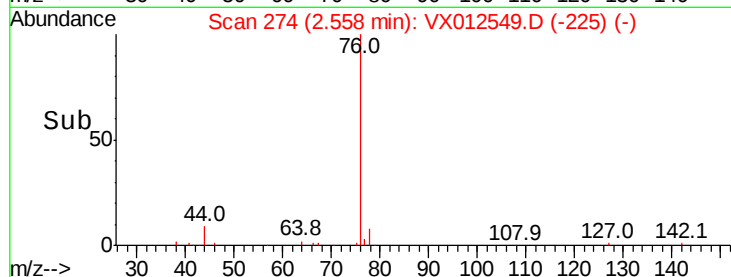
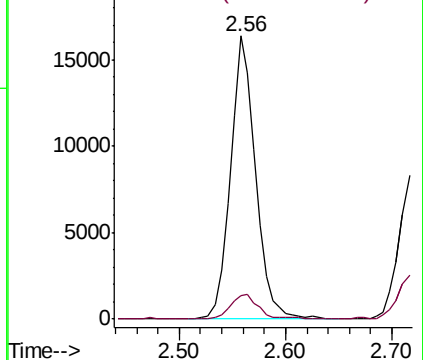
76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.194 ug/l

RT: 2.77 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012549.D

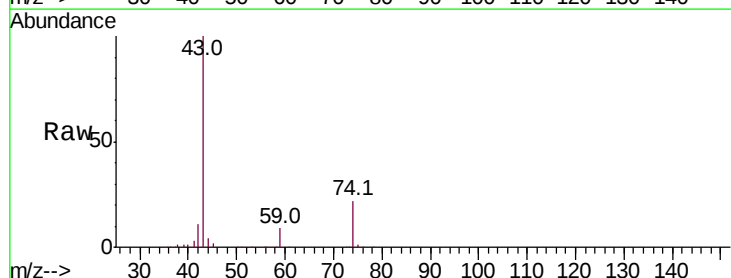
Acq: 20 Sep 2019 12:05

Tgt Ion: 43 Resp: 53556

Ion Ratio Lower Upper

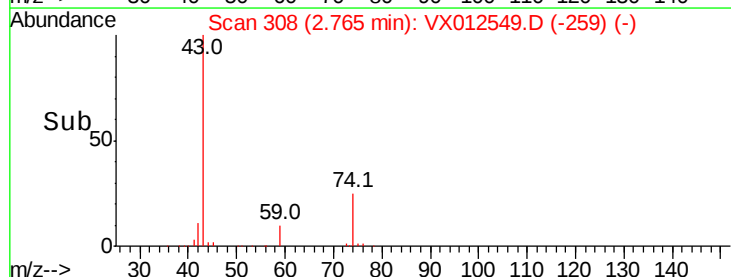
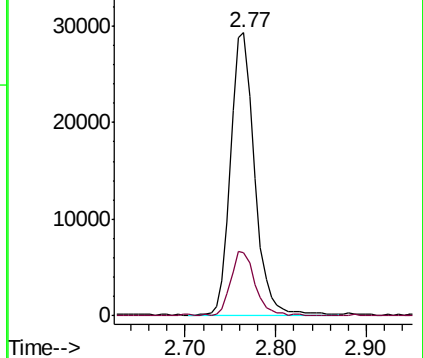
43 100

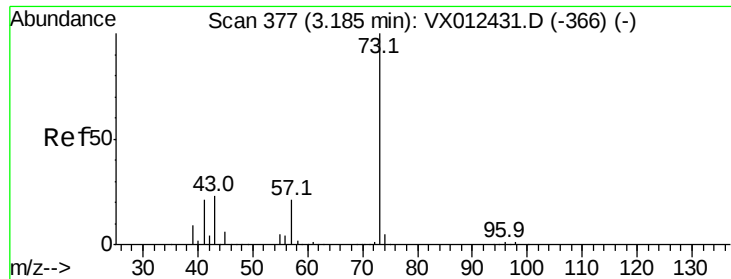
74 23.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

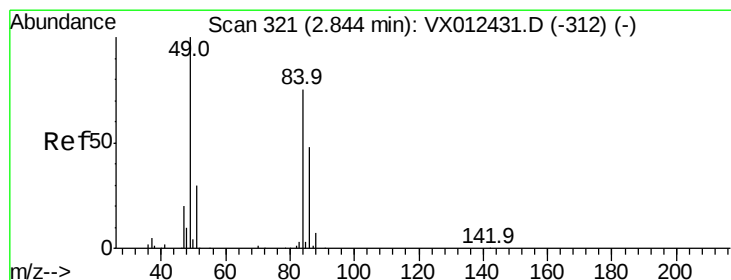
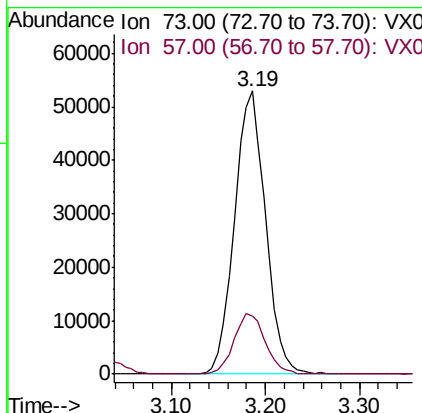
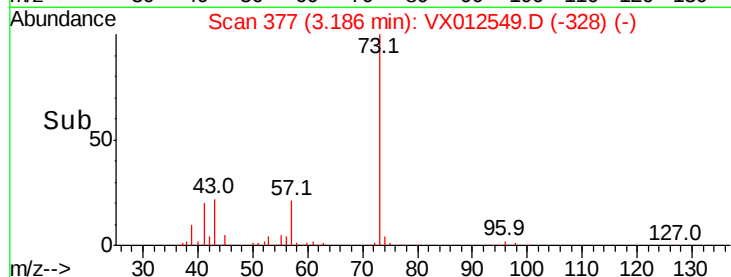
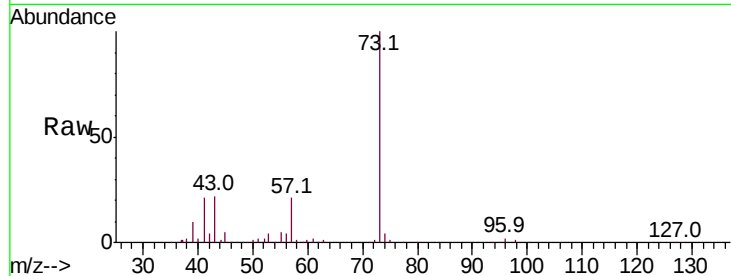




#19
Methvl tert-butvl Ether
Concen: 18.988 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

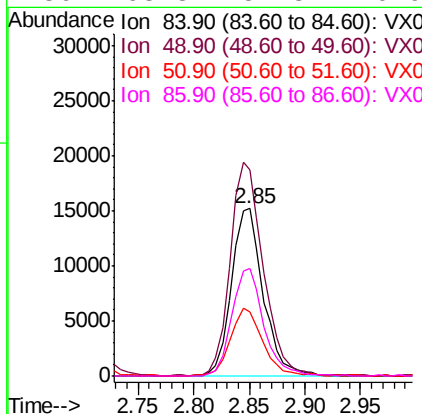
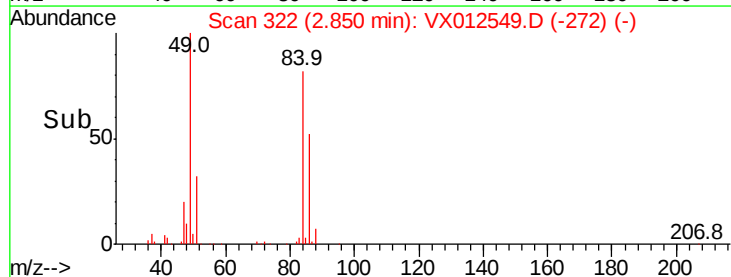
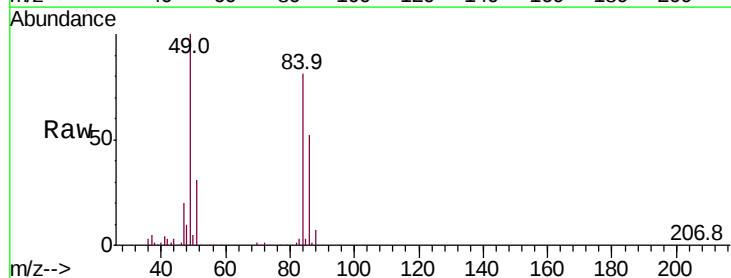
Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

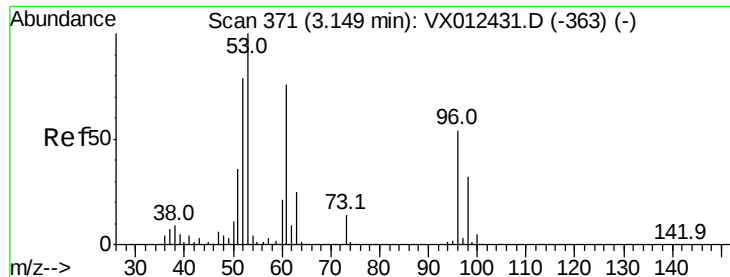
Tot Ion: 73 Resp: 121607
Ion Ratio Lower Upper
73 100
57 20.6 16.8 25.2



#20
Methylene Chloride
Concen: 18.613 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion: 84 Resp: 30163
Ion Ratio Lower Upper
84 100
49 122.5 106.8 160.2
51 38.6 32.3 48.5
86 63.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.762 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

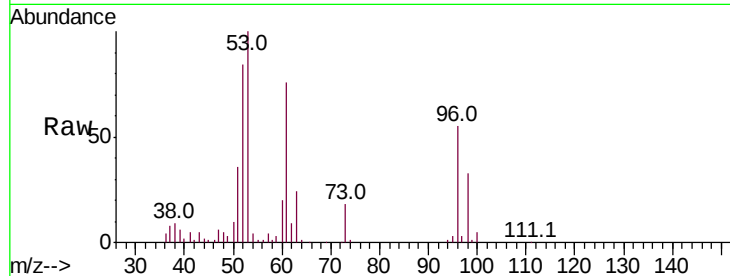
Tot Ion: 96 Resp: 24105

Ion Ratio Lower Upper

96 100

61 137.0 112.0 168.0

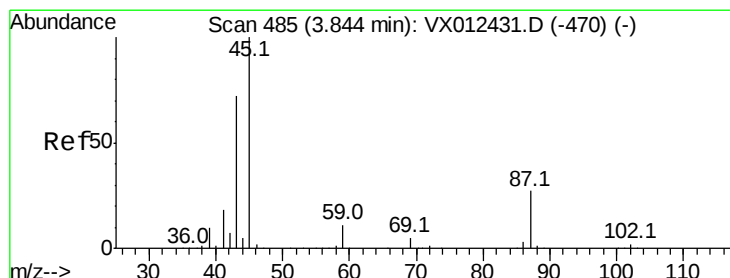
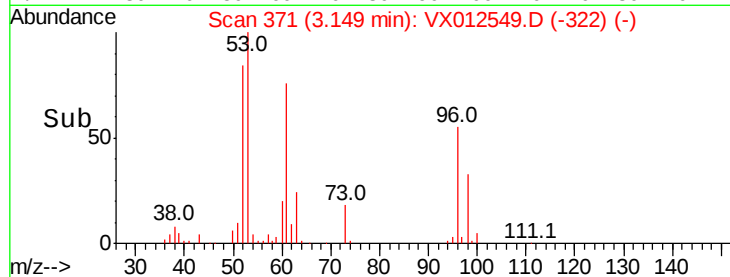
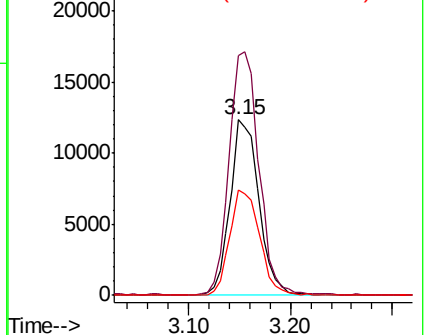
98 60.4 47.8 71.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.343 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Tgt Ion: 45 Resp: 123854

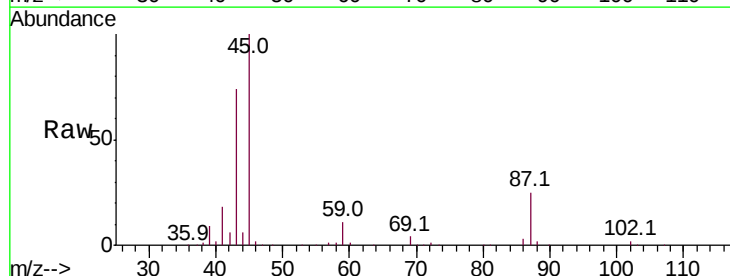
Ion Ratio Lower Upper

45 100

43 73.9 57.8 86.8

87 25.1 21.3 31.9

59 10.9 8.5 12.7

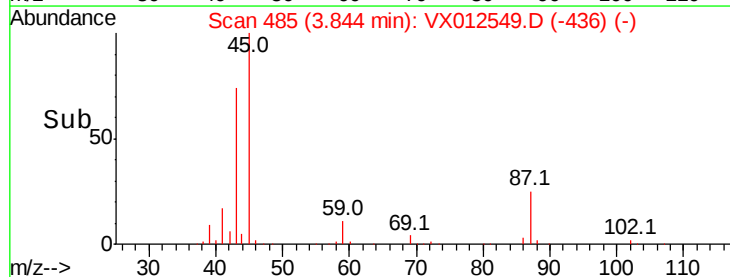
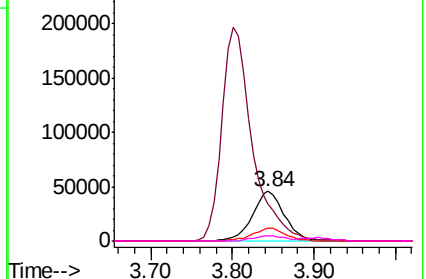


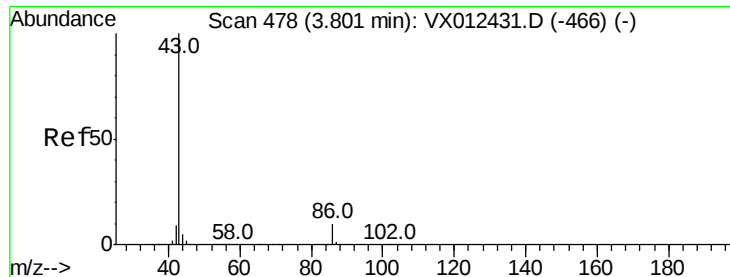
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 97.314 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

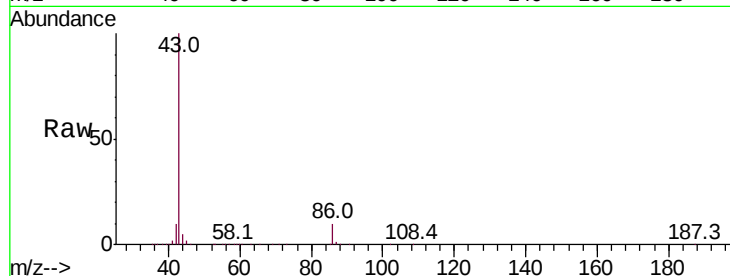
VX0920MBS01

Tot Ion: 43 Resp: 512565

Ion Ratio Lower Upper

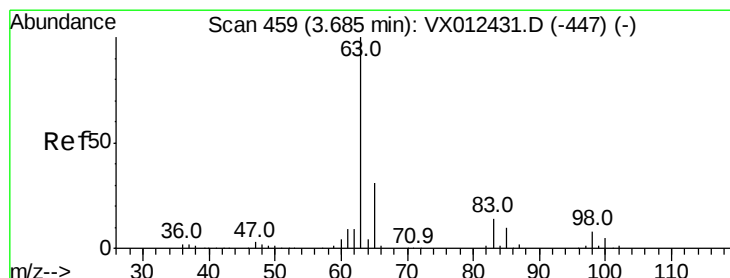
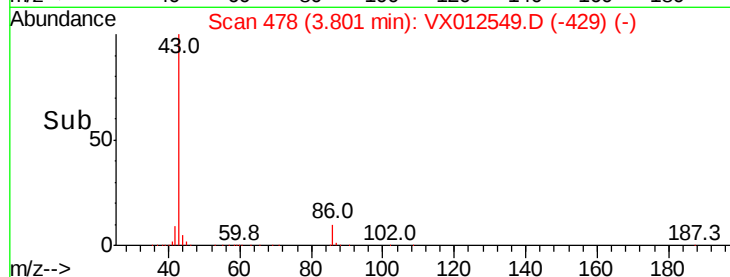
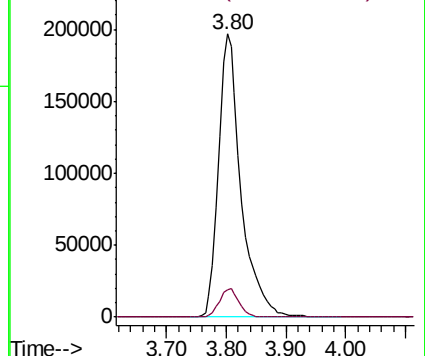
43 100

86 9.7 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.525 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

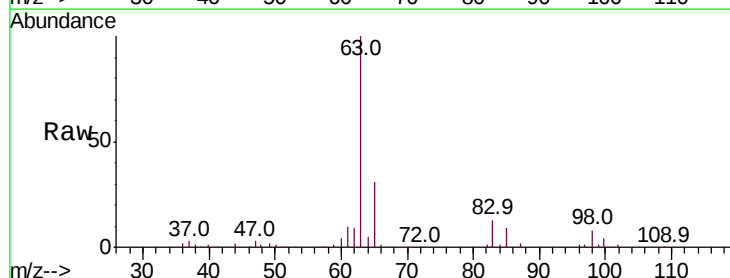
Tgt Ion: 63 Resp: 59817

Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.7

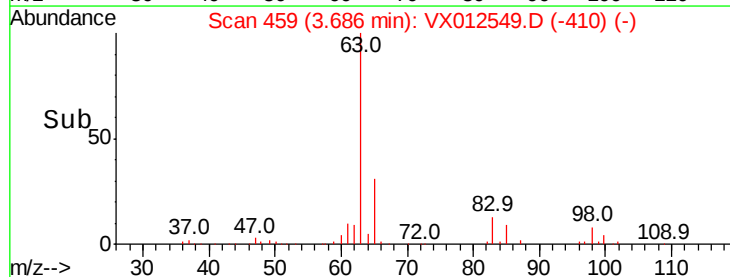
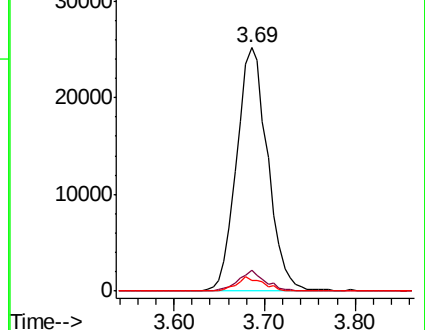
100 4.3 2.3 6.9

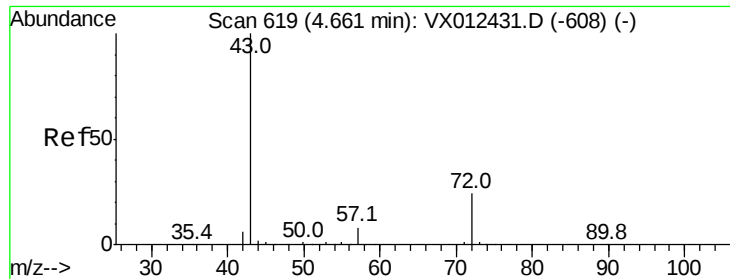


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 90.482 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

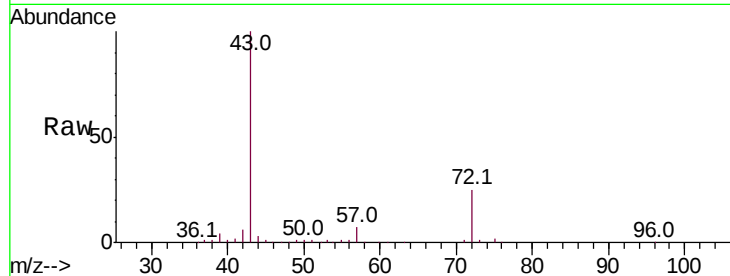
VX0920MBS01

Tot Ion: 43 Resp: 168059

Ion Ratio Lower Upper

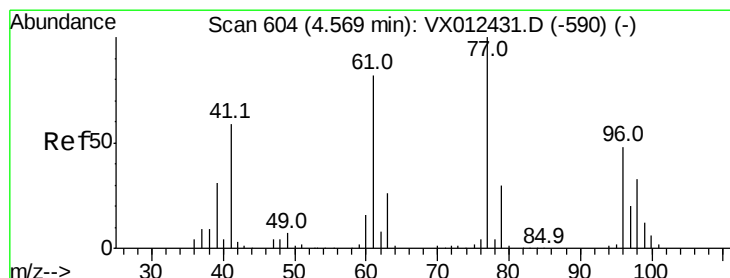
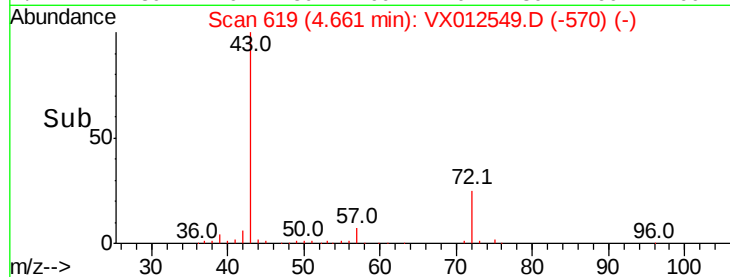
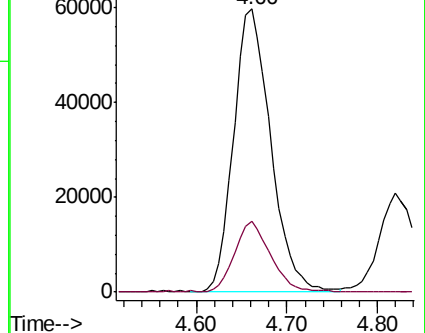
43 100

72 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.966 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012549.D

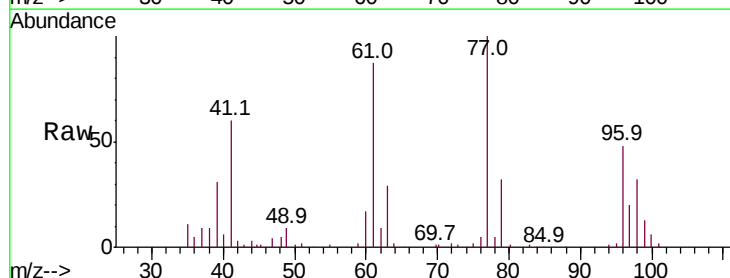
Acq: 20 Sep 2019 12:05

Tgt Ion: 77 Resp: 54130

Ion Ratio Lower Upper

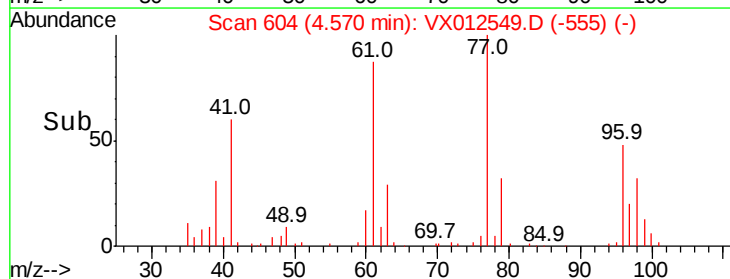
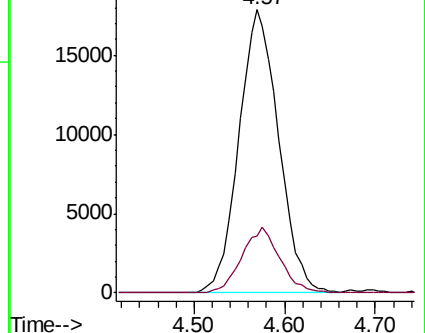
77 100

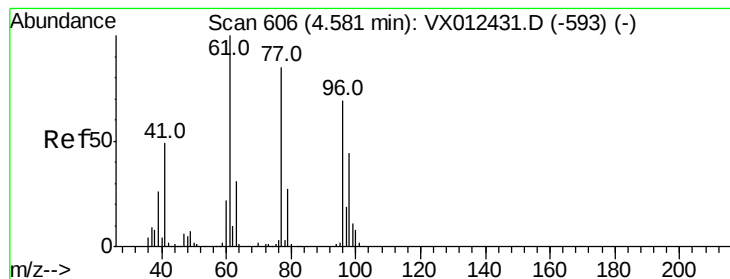
97 22.1 10.5 31.6



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: 19.436 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

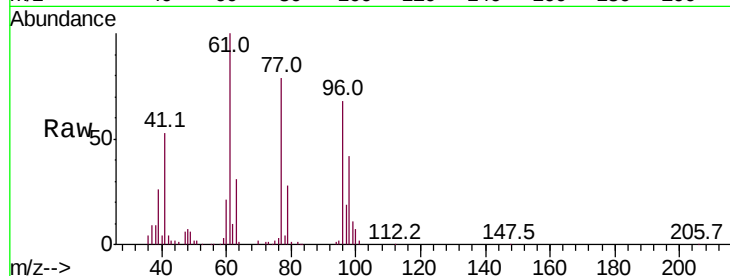
Tot Ion: 96 Resp: 35414

Ion Ratio Lower Upper

96 100

61 158.0 0.0 319.4

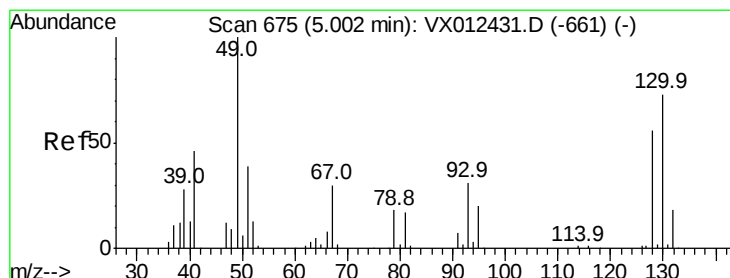
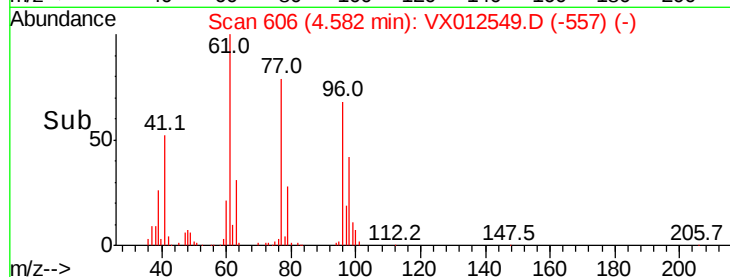
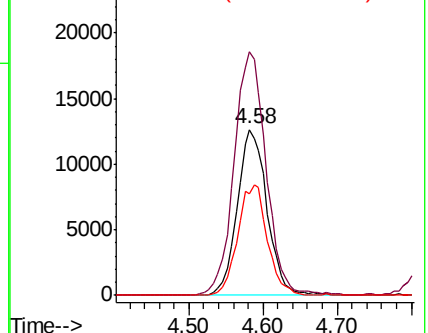
98 66.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 19.438 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

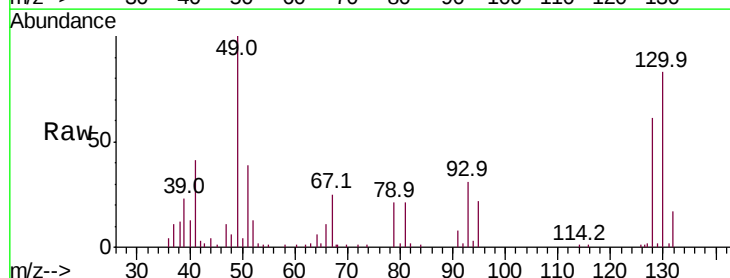
Tgt Ion: 49 Resp: 30701

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.8

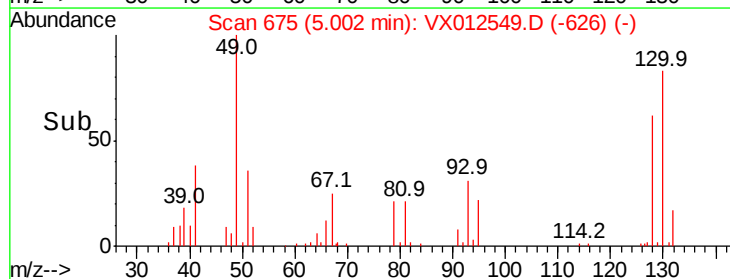
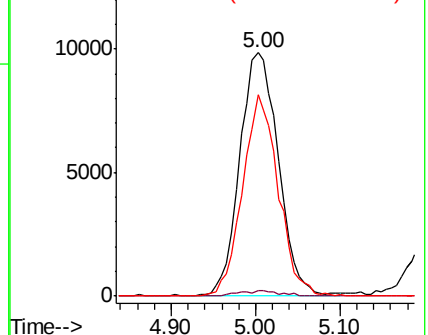
130 75.9 58.2 87.4

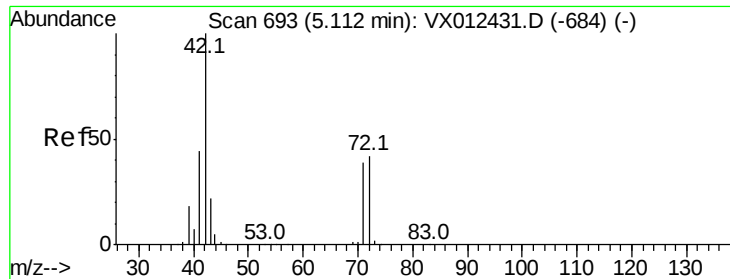


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 97.055 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

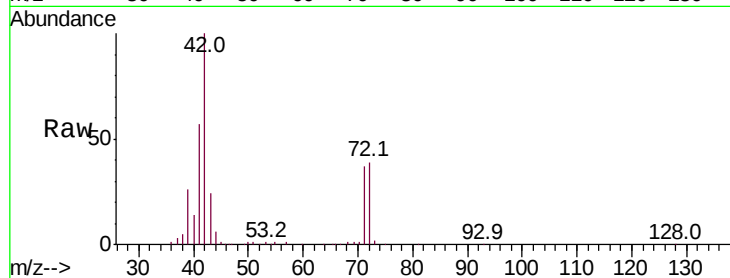
Tot Ion: 42 Resp: 99587

Ion Ratio Lower Upper

42 100

72 43.0 34.0 51.0

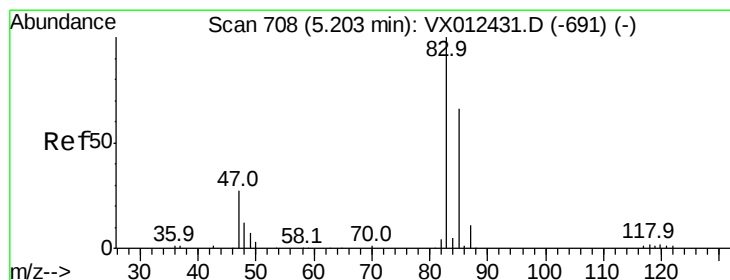
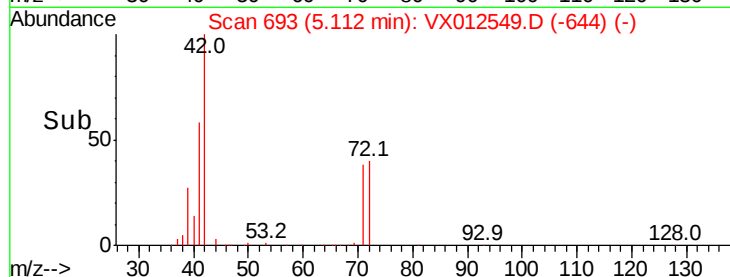
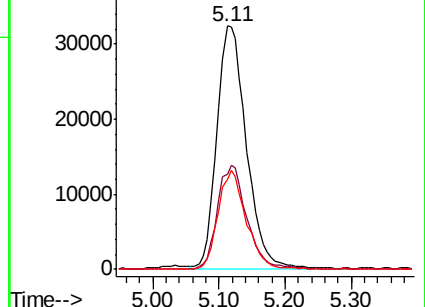
71 39.1 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 18.797 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX012549.D

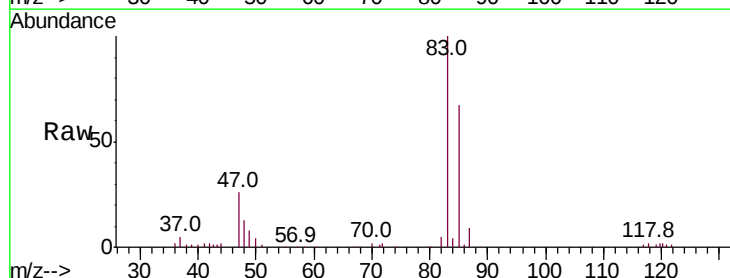
Acq: 20 Sep 2019 12:05

Tgt Ion: 83 Resp: 66134

Ion Ratio Lower Upper

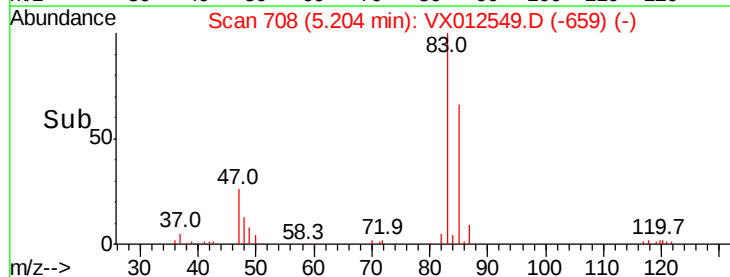
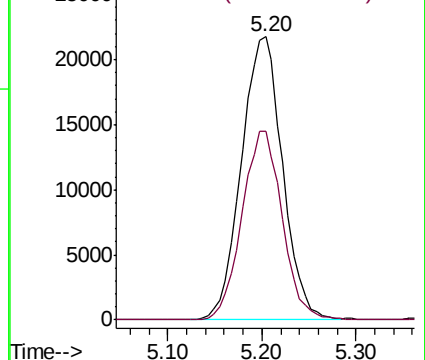
83 100

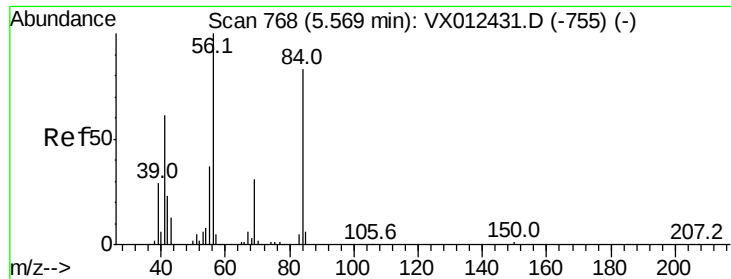
85 66.8 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

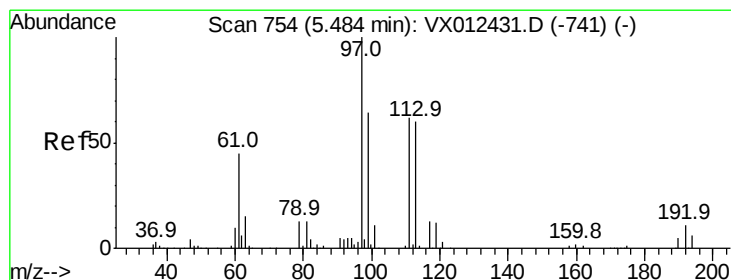
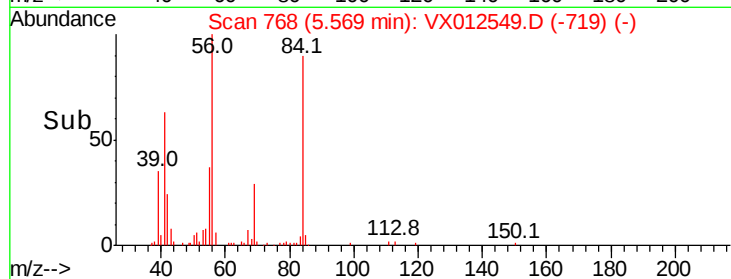
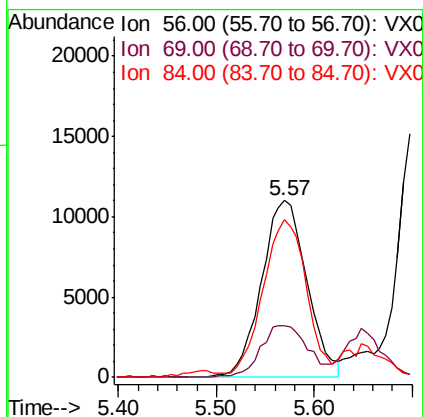
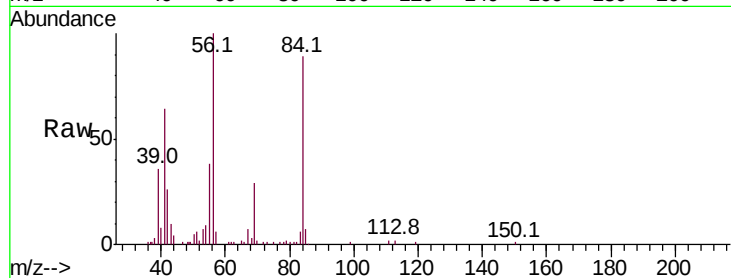




#31
Cyclohexane
Concen: 19.255 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

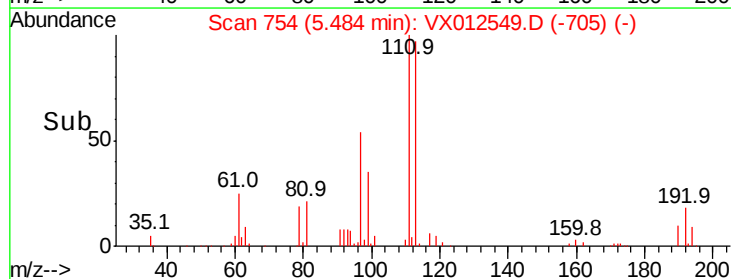
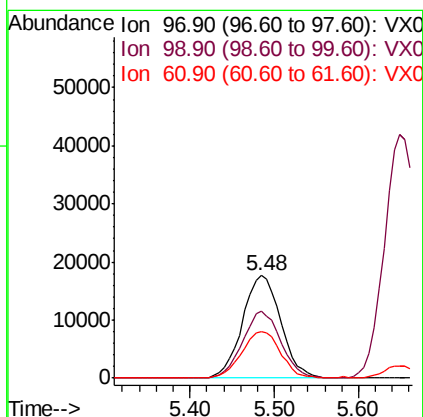
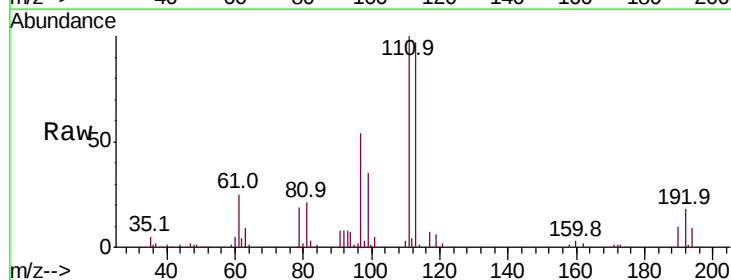
Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

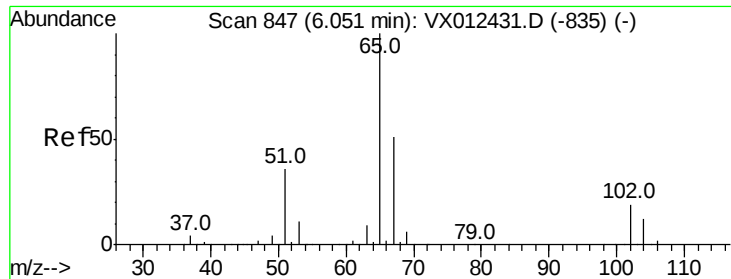
Tot Ion: 56 Resp: 35609
Ion Ratio Lower Upper
56 100
69 29.0 25.0 37.6
84 86.8 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 18.504 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion: 97 Resp: 54415
Ion Ratio Lower Upper
97 100
99 65.2 51.3 76.9
61 46.3 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 47.809 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

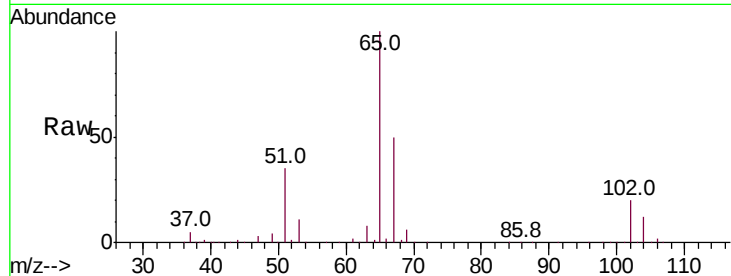
VX0920MBS01

Tot Ion: 65 Resp: 128015

Ion Ratio Lower Upper

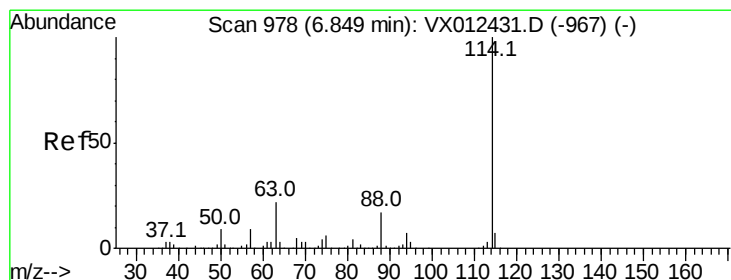
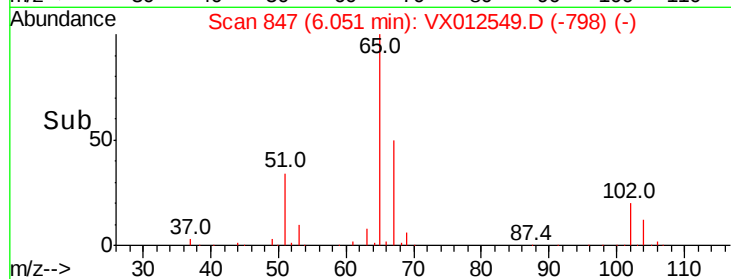
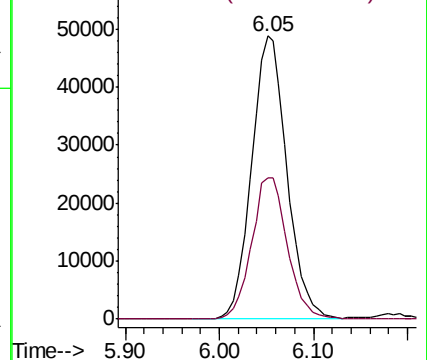
65 100

67 51.0 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

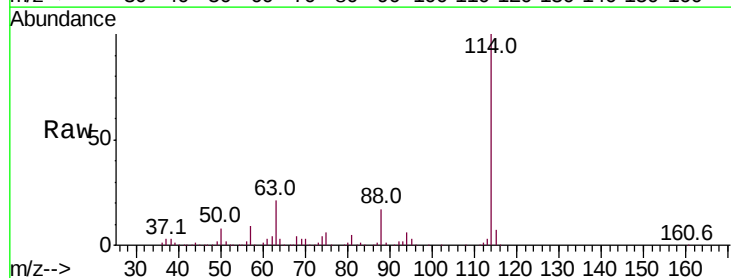
Tgt Ion:114 Resp: 307638

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

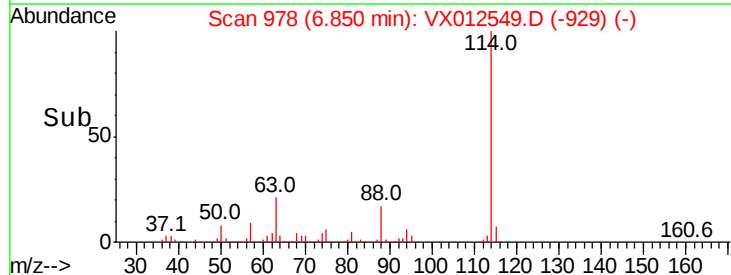
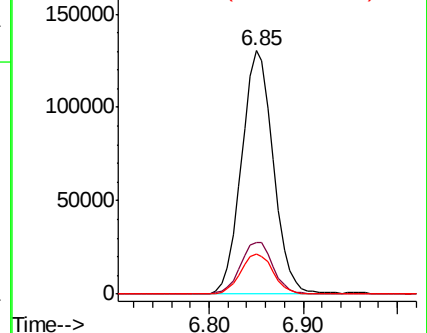
88 16.7 0.0 33.2

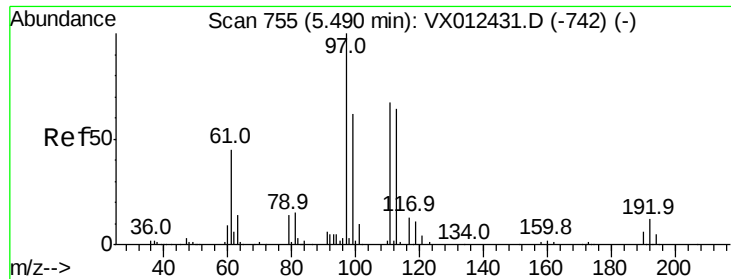


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.710 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

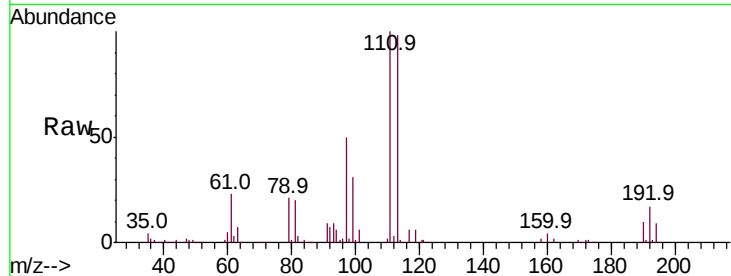
Tot Ion:113 Resp: 94422

Ion Ratio Lower Upper

113 100

111 100.6 83.4 125.2

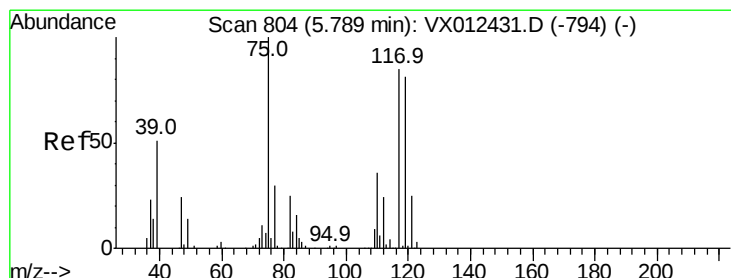
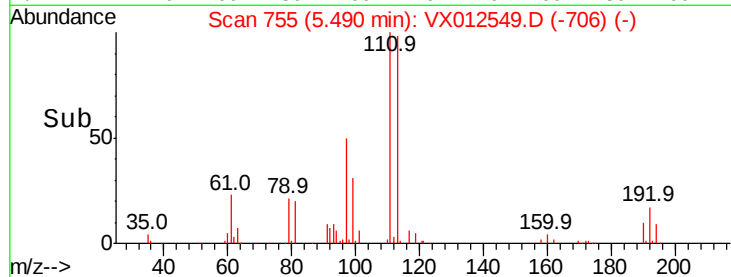
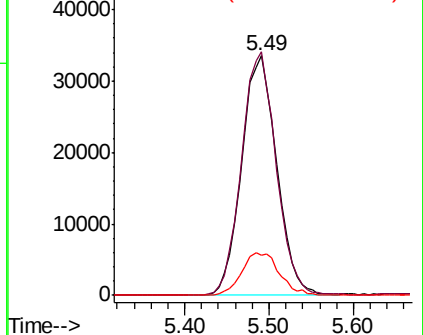
192 19.0 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.636 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

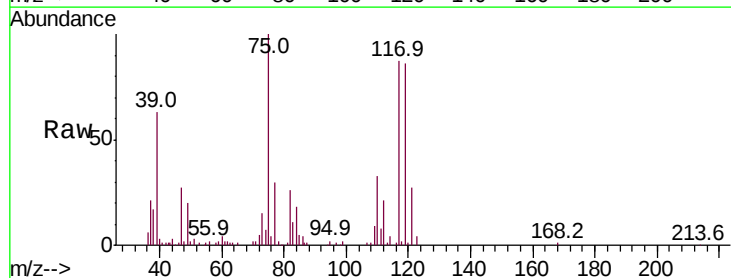
Tgt Ion: 75 Resp: 34844

Ion Ratio Lower Upper

75 100

110 35.7 16.7 50.0

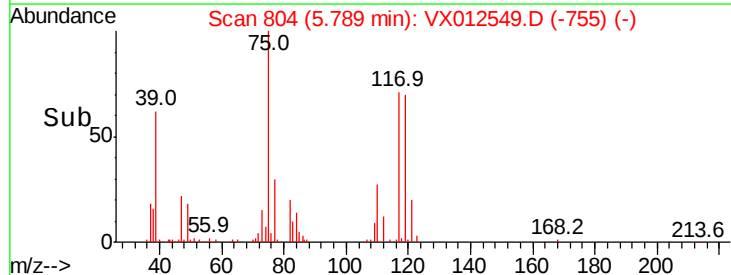
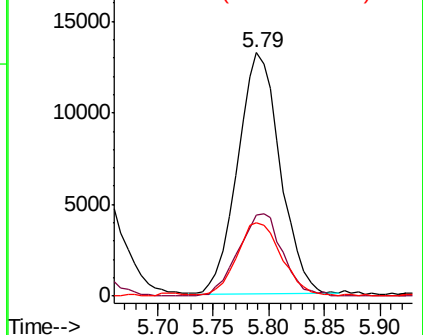
77 32.5 24.2 36.2

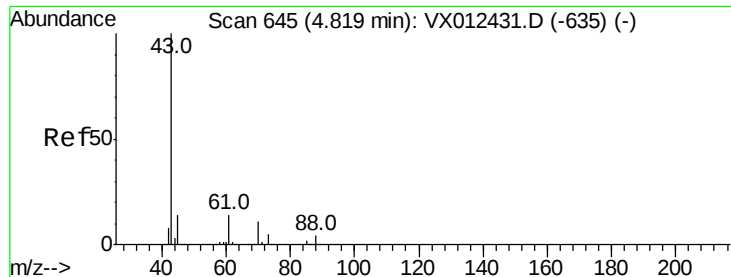


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

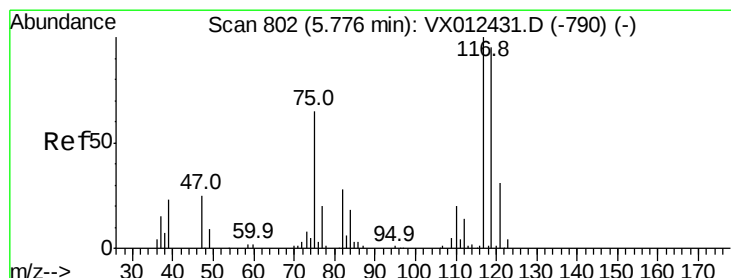
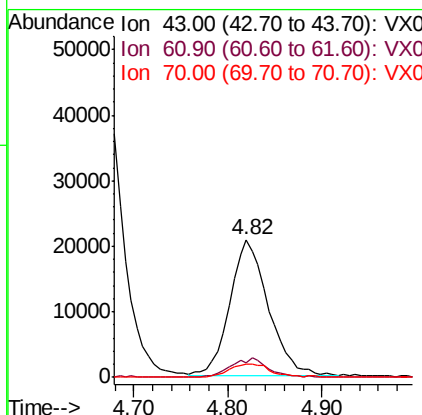
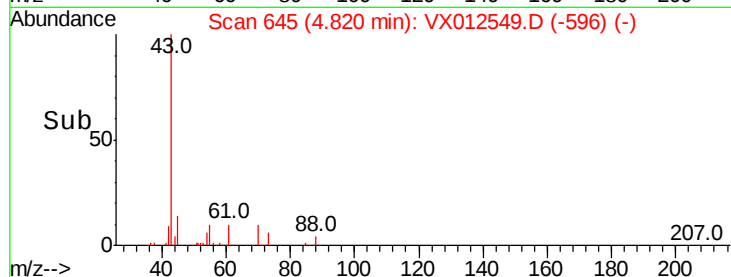
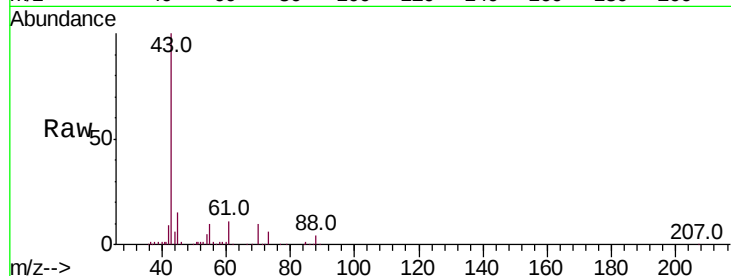




#37
Ethyl Acetate
Concen: 20.484 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

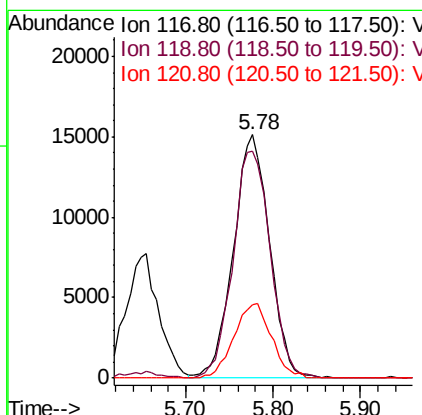
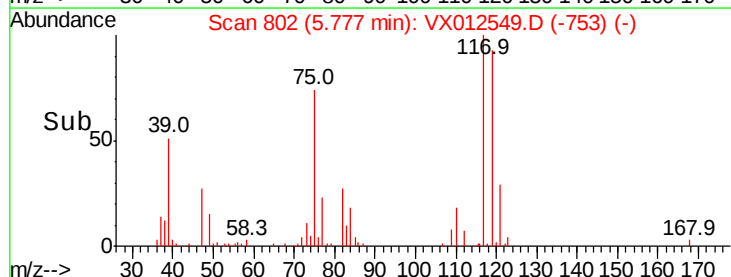
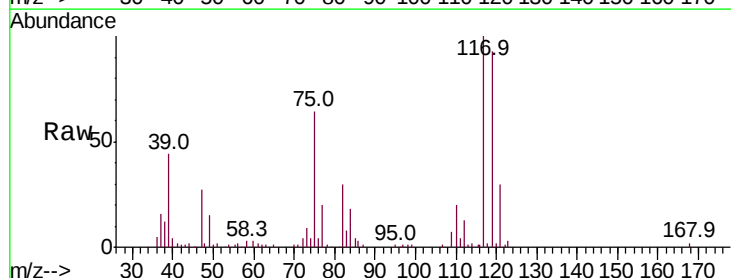
Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

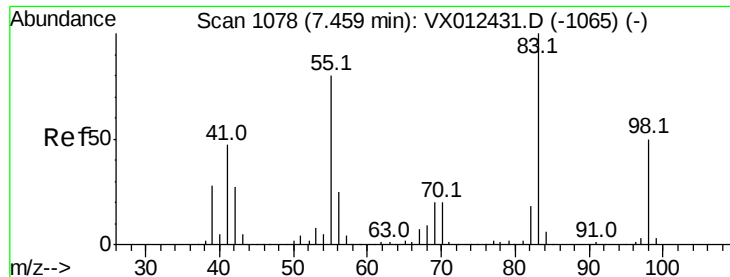
Tot Ion: 43 Resp: 58789
Ion Ratio Lower Upper
43 100
61 14.4 10.2 15.4
70 10.5 8.7 13.1



#38
Carbon Tetrachloride
Concen: 18.714 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion: 117 Resp: 43517
Ion Ratio Lower Upper
117 100
119 93.4 75.7 113.5
121 30.2 24.2 36.4

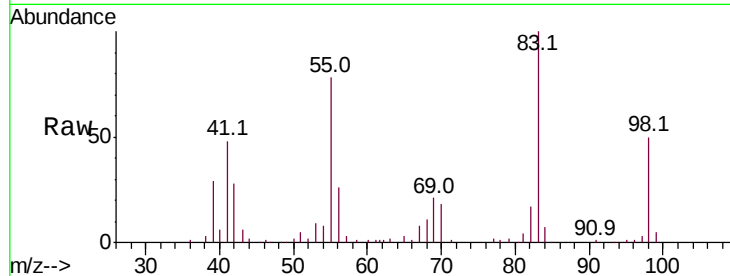




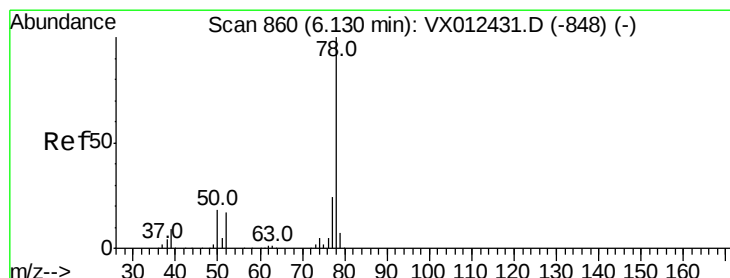
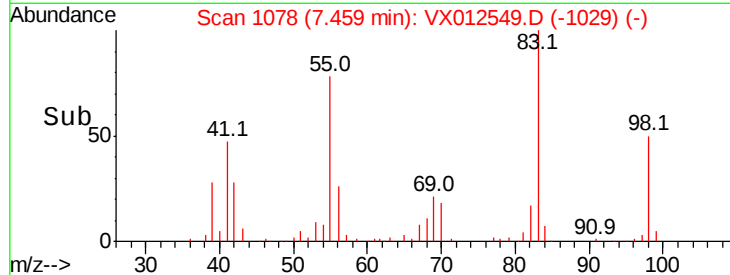
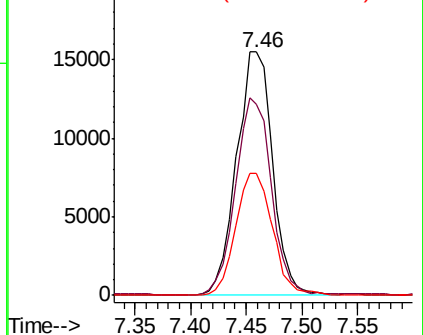
#39
Methvlcvclohexane
Concen: 19.223 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion: 83 Resp: 34940
Ion Ratio Lower Upper
83 100
55 78.4 64.4 96.6
98 49.9 40.1 60.1

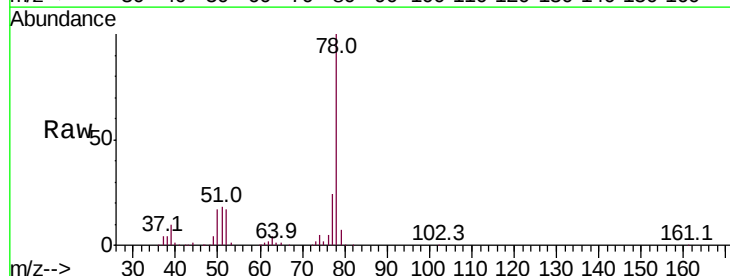


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

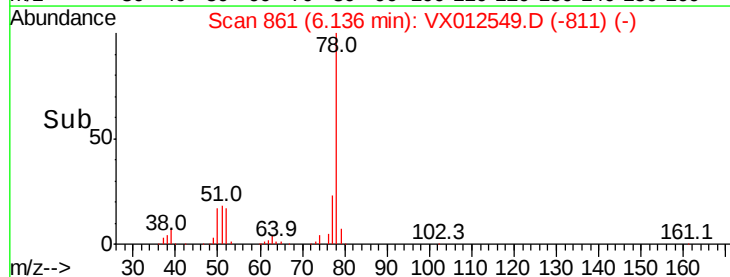
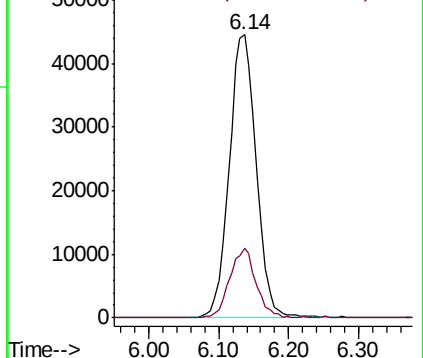


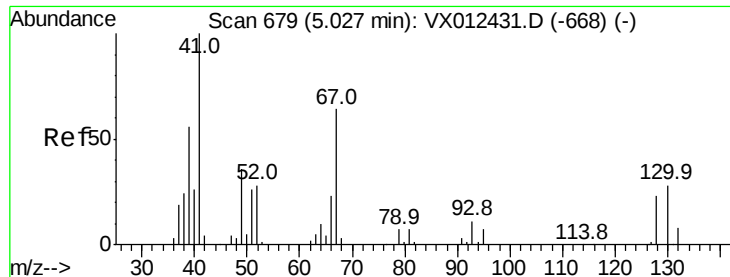
#40
Benzene
Concen: 20.068 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion: 78 Resp: 119313
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 18.616 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampled :

VX0920MBS01

Tot Ion: 41 Resp: 34402

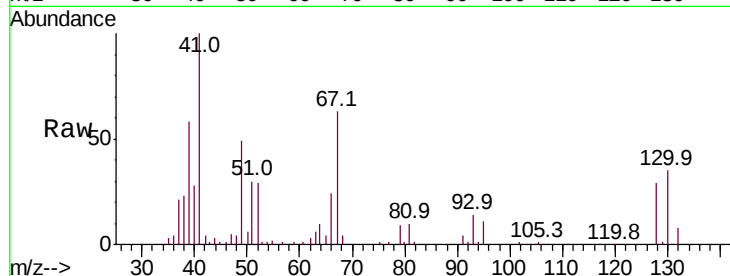
Ion Ratio Lower Upper

41 100

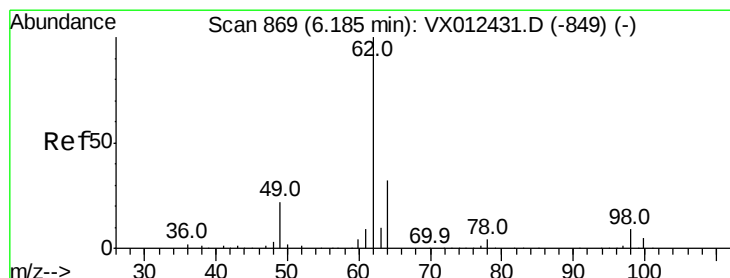
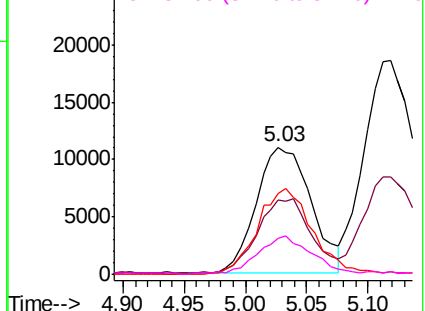
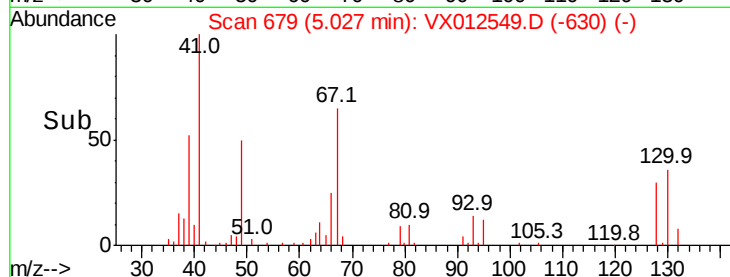
39 59.9 46.0 69.0

67 67.8 52.2 78.2

52 31.0 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.608 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012549.D

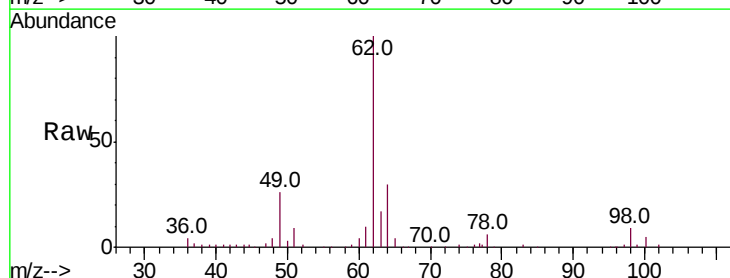
Acq: 20 Sep 2019 12:05

Tgt Ion: 62 Resp: 54072

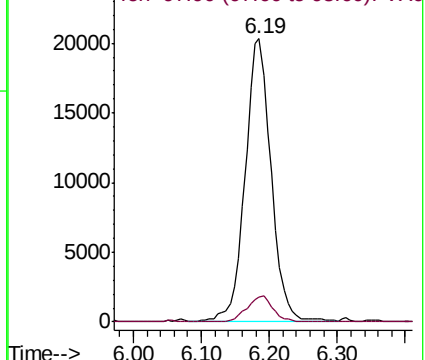
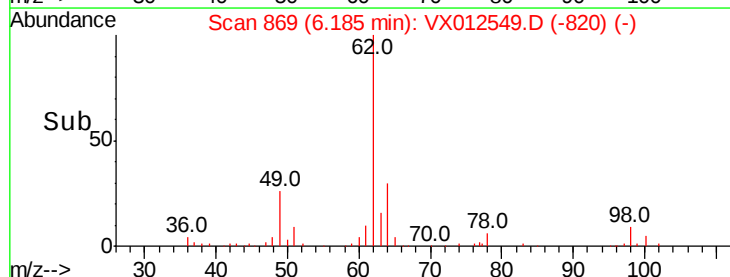
Ion Ratio Lower Upper

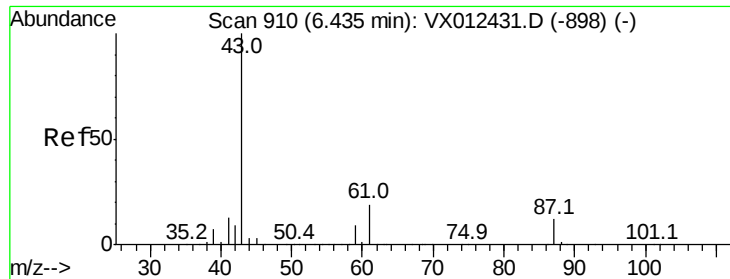
62 100

98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.243 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampled :

VX0920MBS01

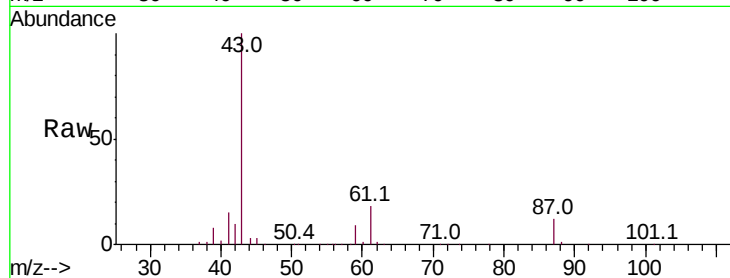
Tot Ion: 43 Resp: 99123

Ion Ratio Lower Upper

43 100

61 19.0 15.4 23.0

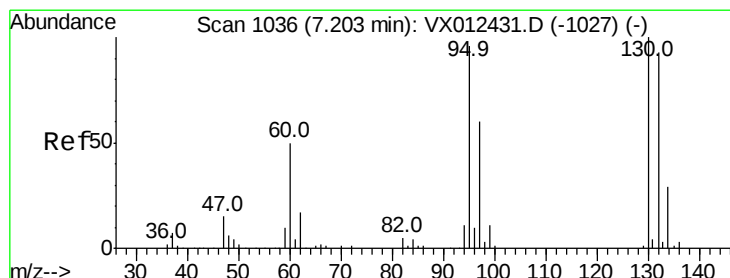
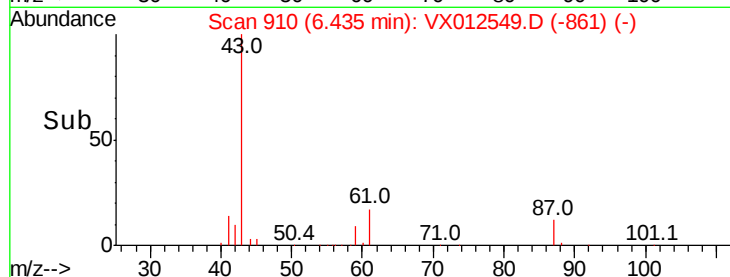
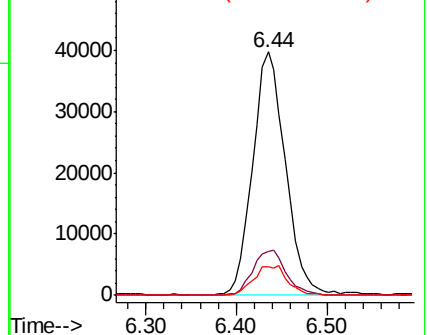
87 12.6 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 20.622 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012549.D

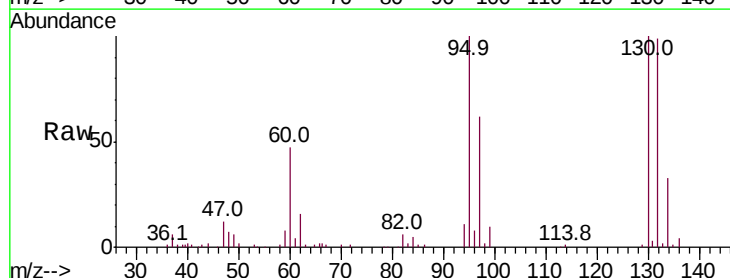
Acq: 20 Sep 2019 12:05

Tgt Ion:130 Resp: 32252

Ion Ratio Lower Upper

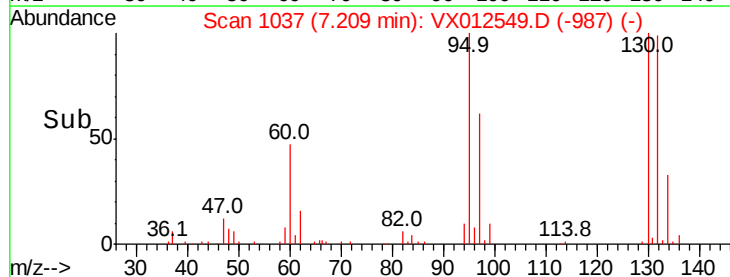
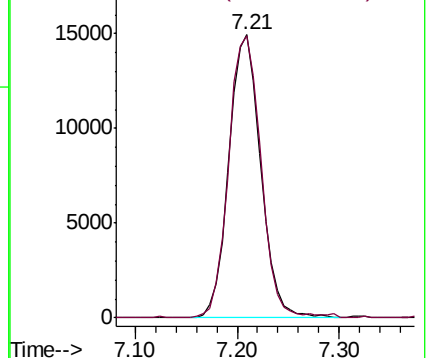
130 100

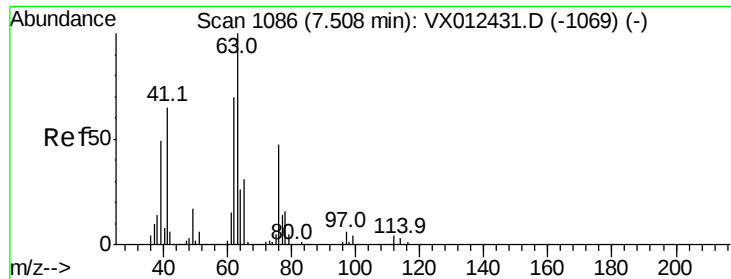
95 99.8 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.893 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

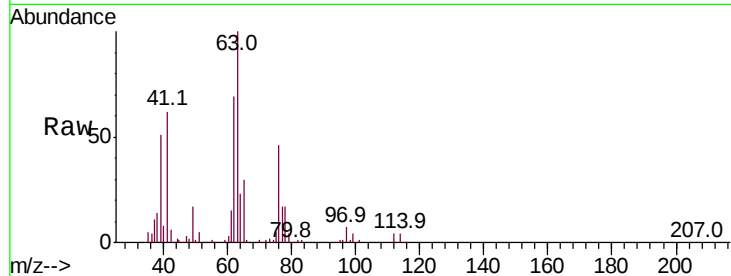
VX0920MBS01

Tot Ion: 63 Resp: 36337

Ion Ratio Lower Upper

63 100

65 29.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

20000

15000

10000

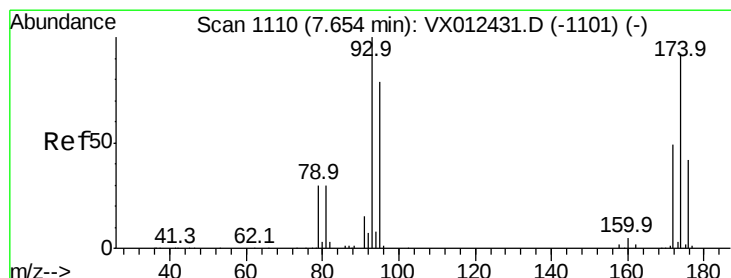
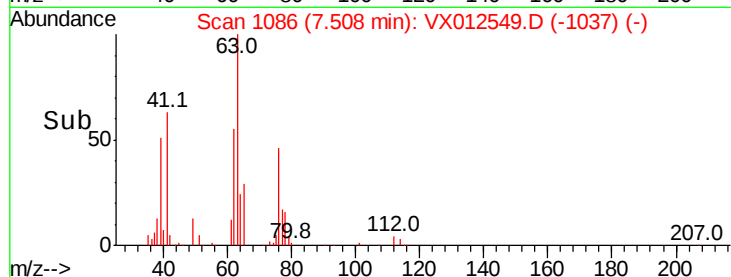
5000

0

7.40 7.50 7.60

7.51

Time-->



#46

Dibromomethane

Concen: 19.246 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

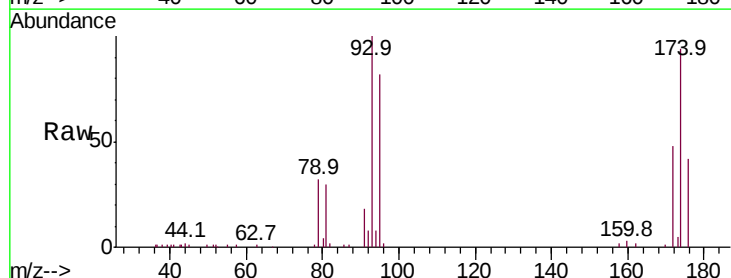
Tgt Ion: 93 Resp: 22750

Ion Ratio Lower Upper

93 100

95 81.7 66.6 100.0

174 97.8 77.4 116.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

15000

10000

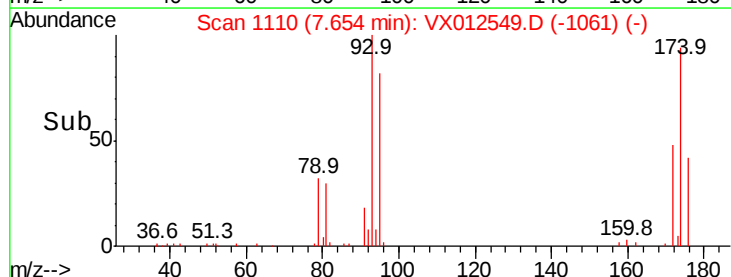
5000

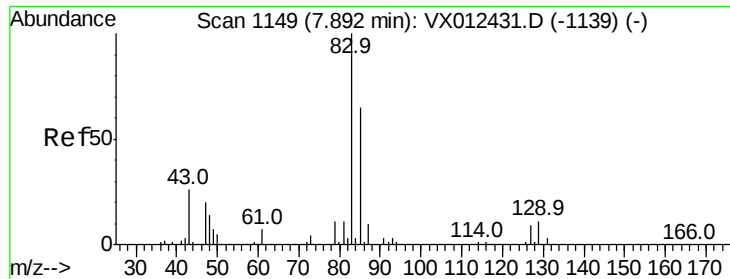
0

7.55 7.60 7.65 7.70 7.75

7.65

Time-->





#47

Bromodichloromethane

Concen: 18.925 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

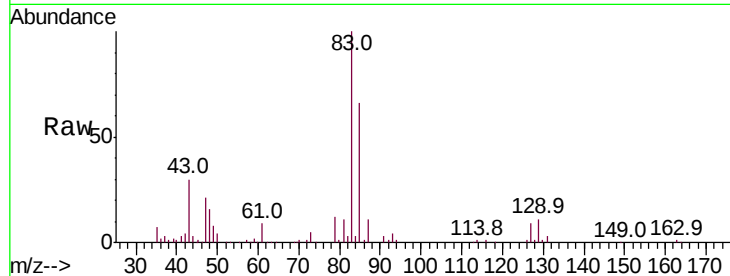
Tot Ion: 83 Resp: 49809

Ion Ratio Lower Upper

83 100

85 66.2 51.8 77.6

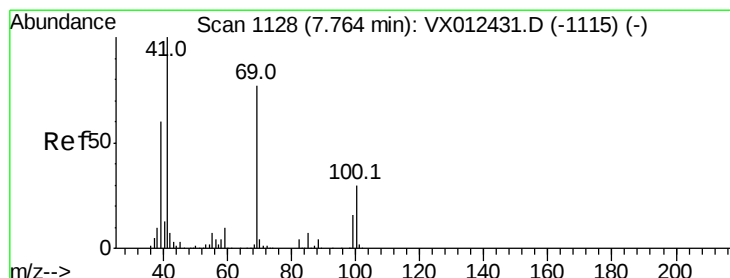
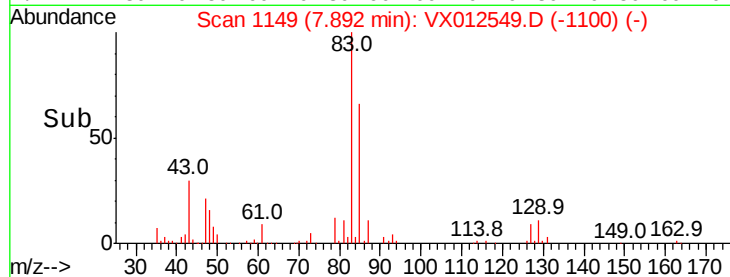
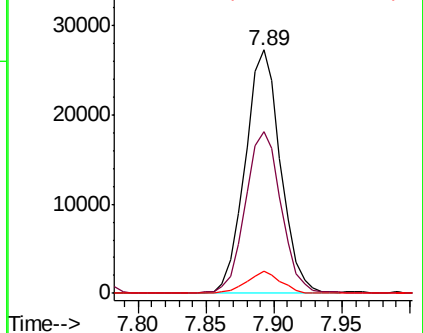
127 9.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.704 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

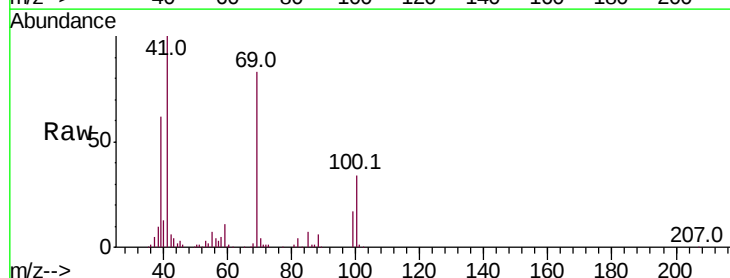
Tgt Ion: 41 Resp: 45415

Ion Ratio Lower Upper

41 100

69 79.2 59.9 89.9

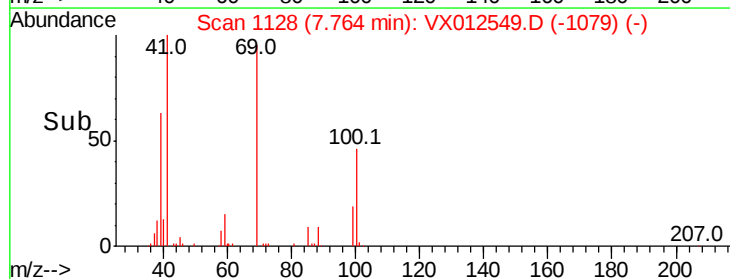
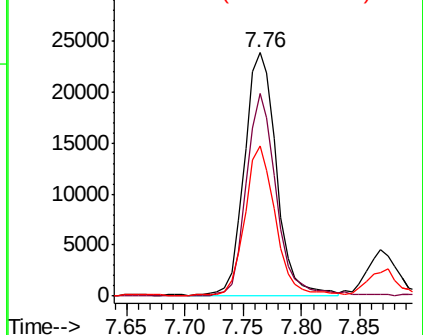
39 60.3 47.8 71.6

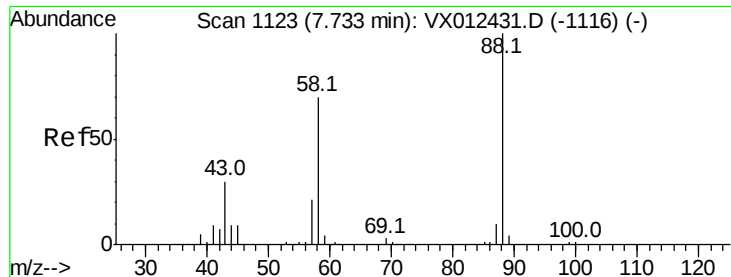


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



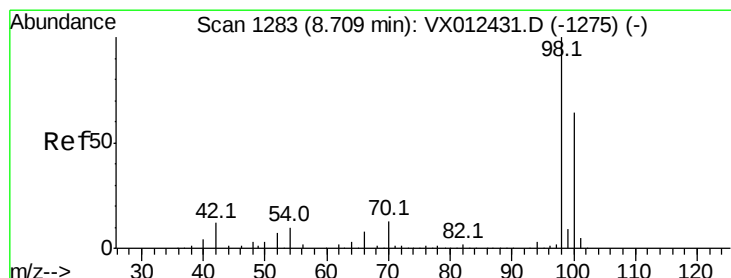
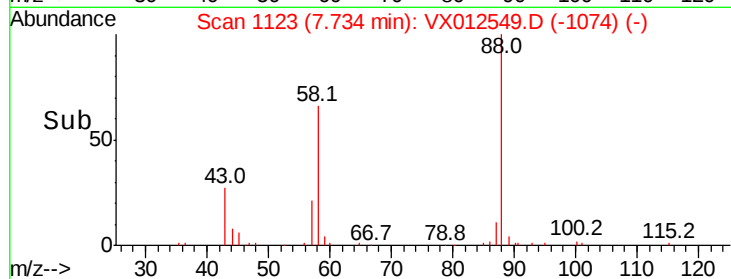
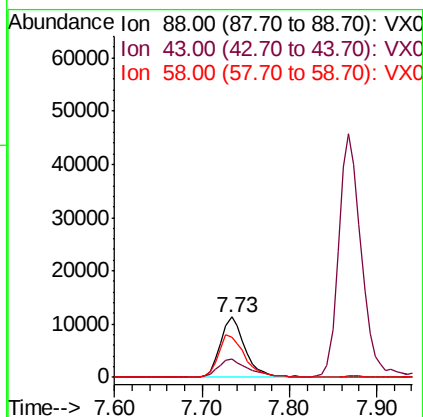
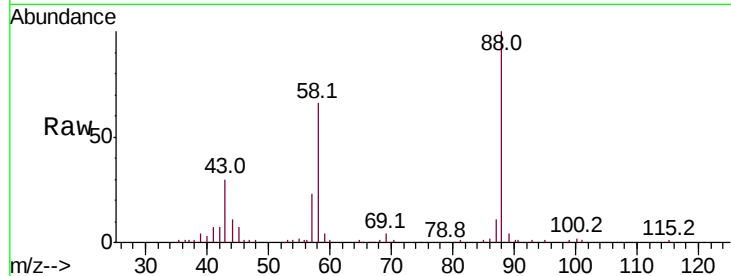


#49
 1,4-Dioxane
 Concen: 377.414 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion: 88 Resp: 22304

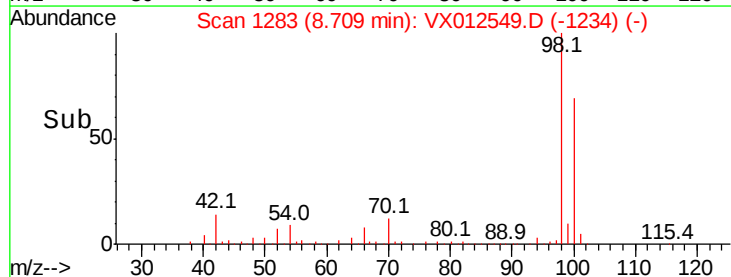
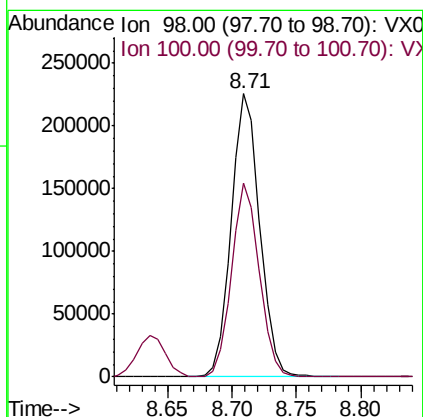
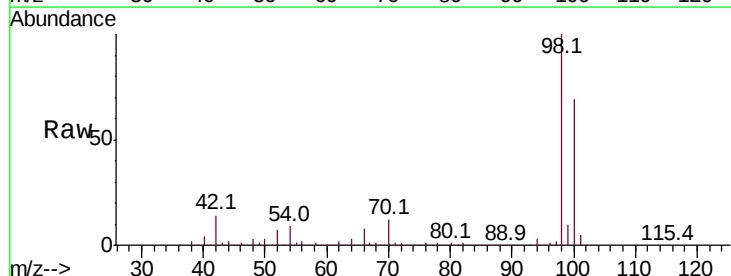
Ion	Ratio	Lower	Upper
88	100		
43	38.7	29.4	44.0
58	75.0	57.5	86.3

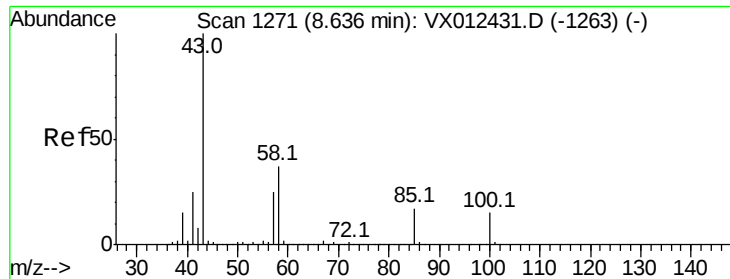


#50
 Toluene-d8
 Concen: 50.464 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion: 98 Resp: 347802

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 97.358 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

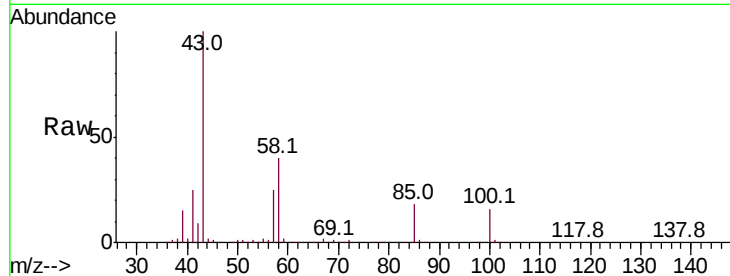
VX0920MBS01

Tot Ion: 43 Resp: 328875

Ion Ratio Lower Upper

43 100

58 38.2 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

150000

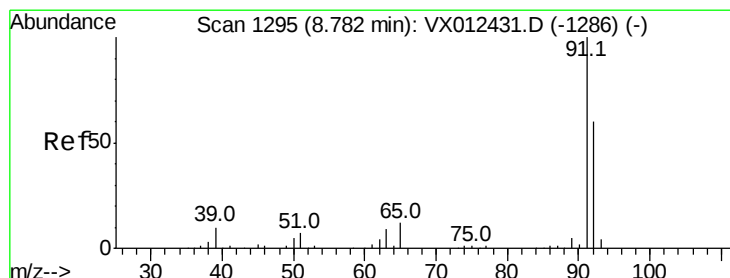
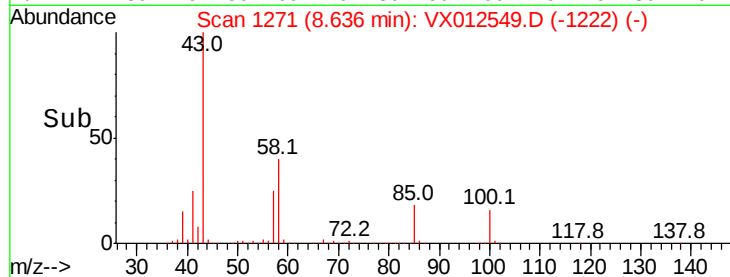
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 20.179 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012549.D

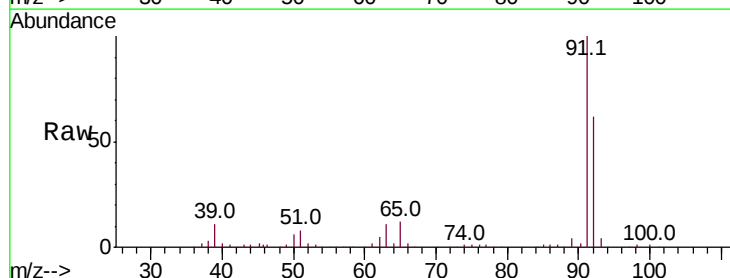
Acq: 20 Sep 2019 12:05

Tgt Ion: 92 Resp: 77307

Ion Ratio Lower Upper

92 100

91 169.1 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

100000

80000

60000

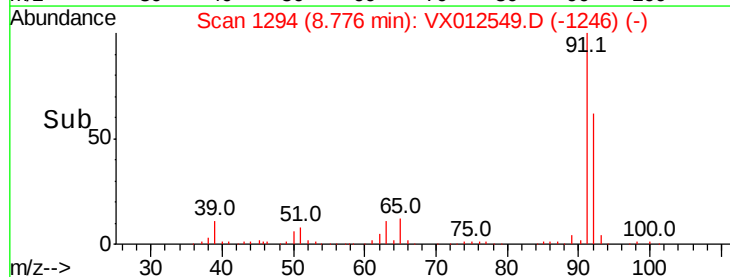
40000

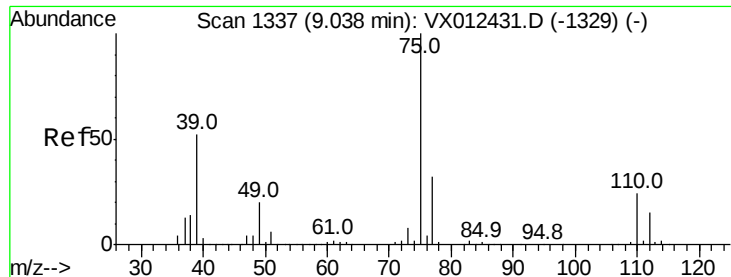
20000

0

8.70 8.75 8.80 8.85 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.157 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

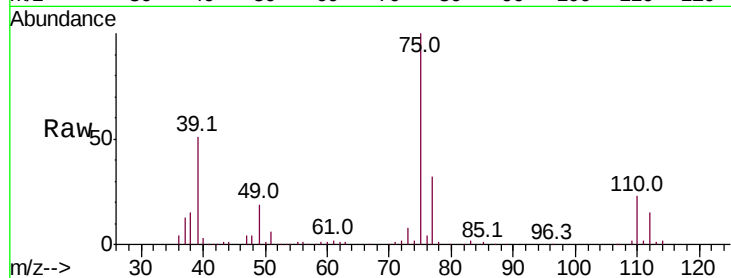
VX0920MBS01

Tot Ion: 75 Resp: 52412

Ion Ratio Lower Upper

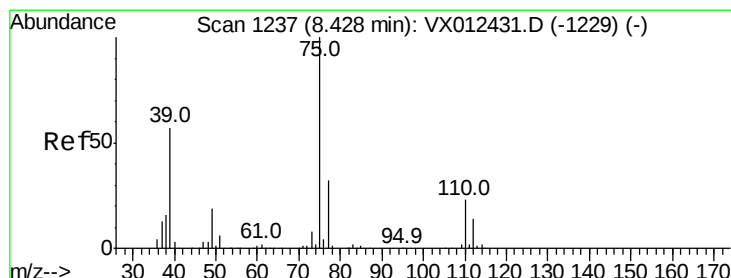
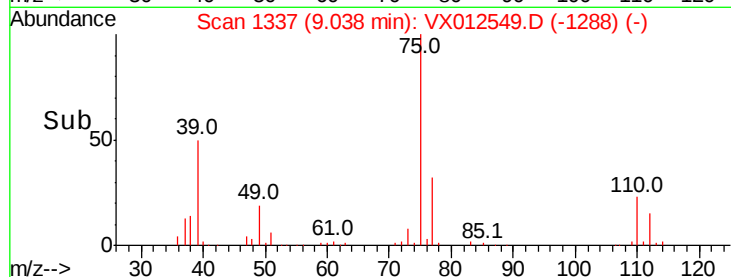
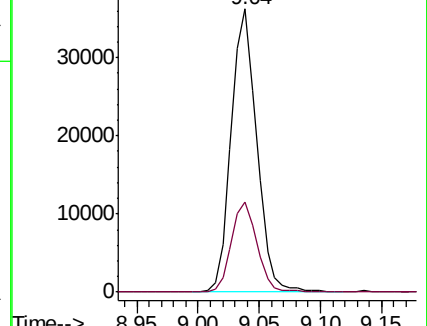
75 100

77 32.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.610 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

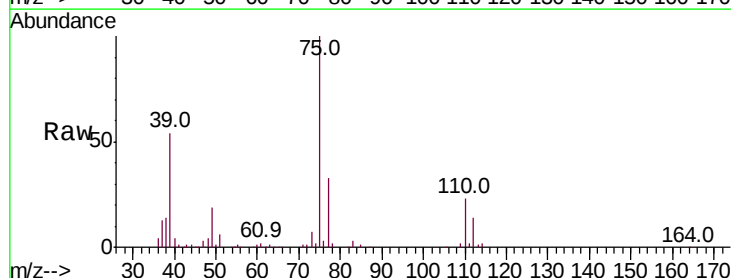
Tgt Ion: 75 Resp: 55544

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8

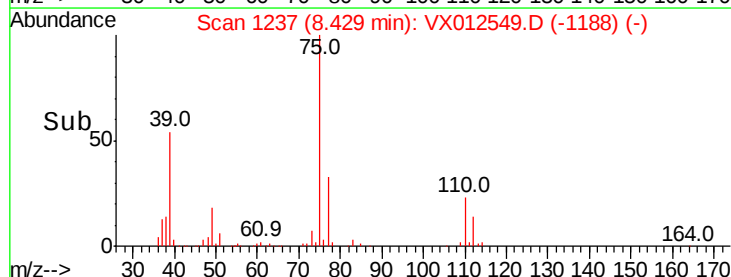
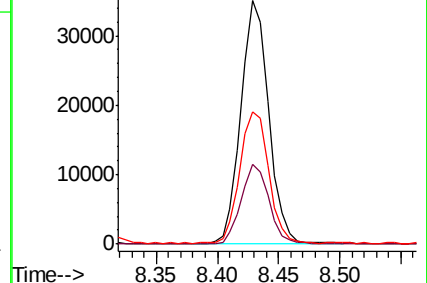
39 54.1 45.5 68.3

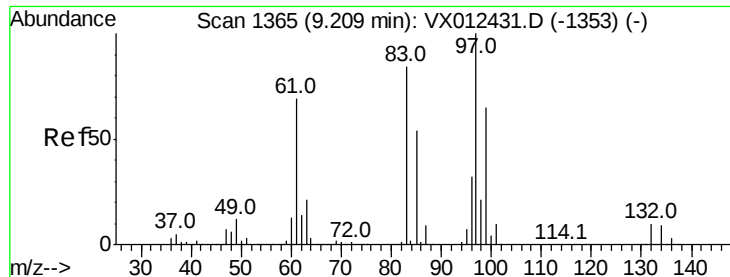


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

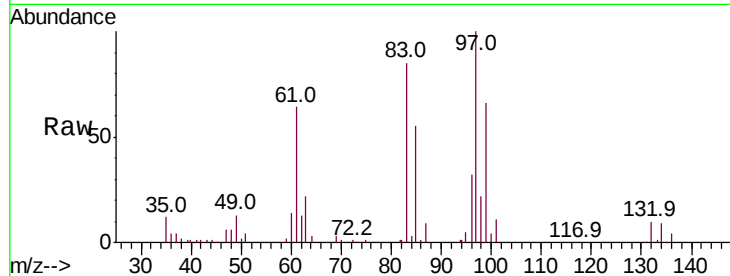




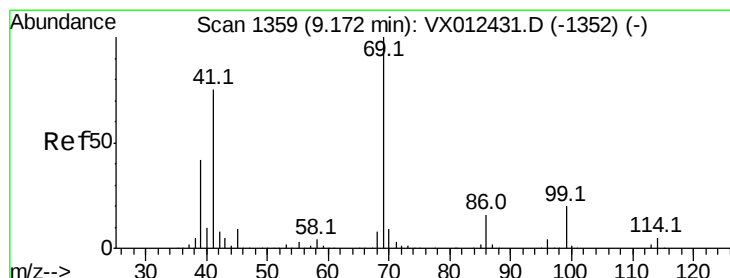
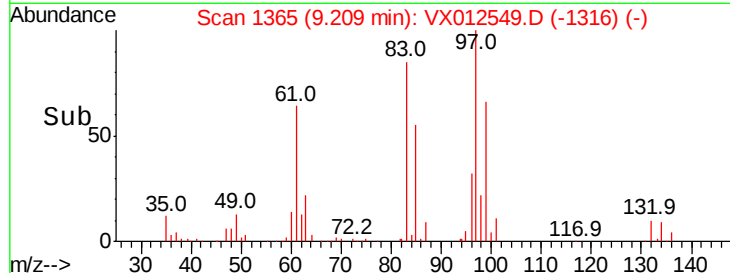
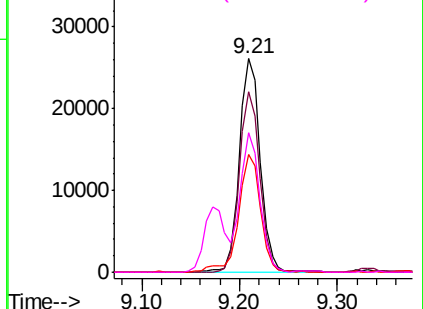
#55
 1,1,2-Trichloroethane
 Concen: 19.610 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion:	97	Resp:	38705
Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.4	101.2
85	55.1	43.5	65.3
99	65.6	51.8	77.8

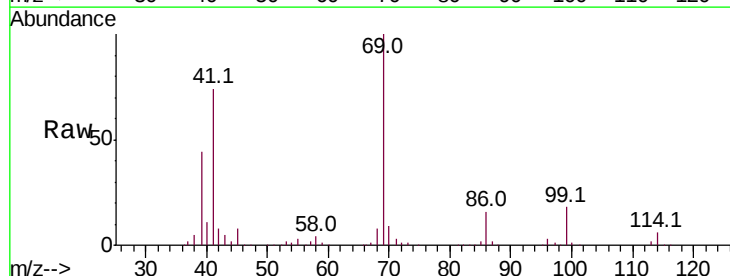


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

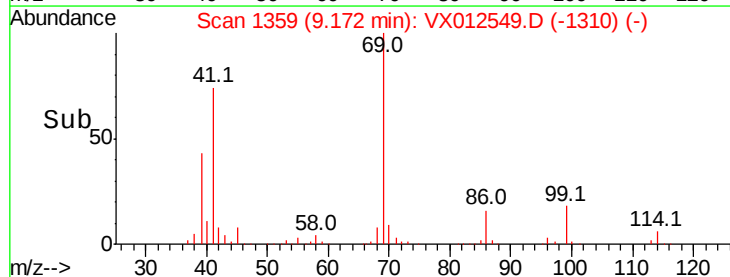
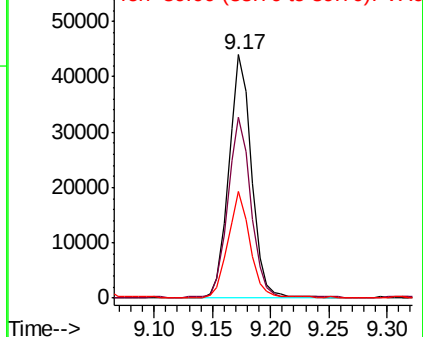


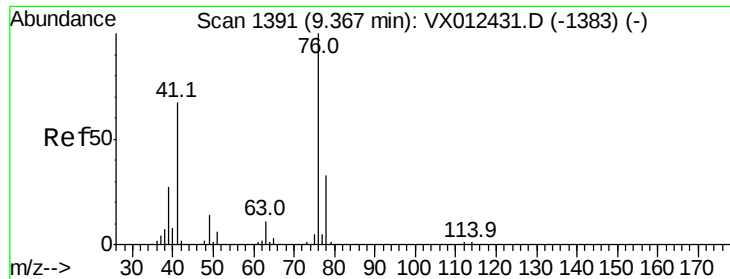
#56
 Ethyl methacrylate
 Concen: 19.449 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion:	69	Resp:	60018
Ion	Ratio	Lower	Upper
69	100		
41	75.4	58.4	87.6
39	42.4	33.4	50.0



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.768 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

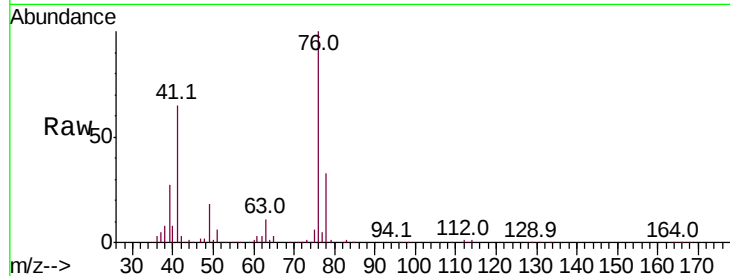
VX0920MBS01

Tot Ion: 76 Resp: 62253

Ion Ratio Lower Upper

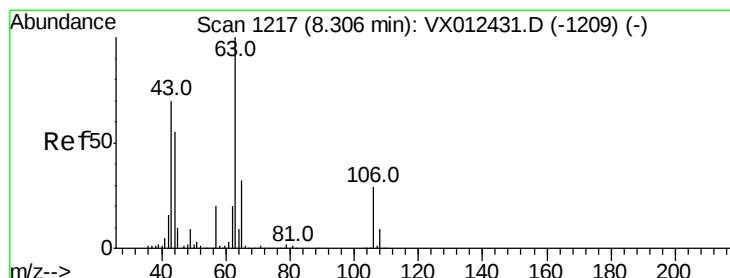
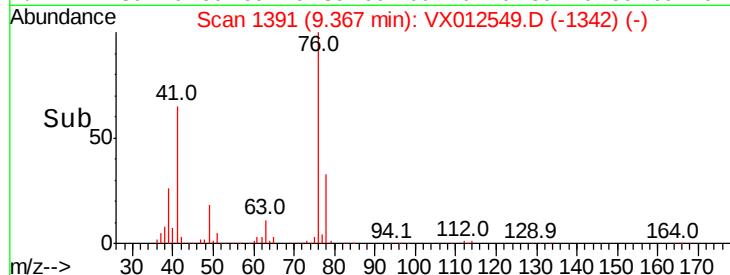
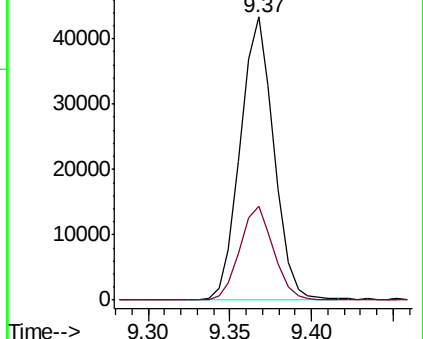
76 100

78 33.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 108.138 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012549.D

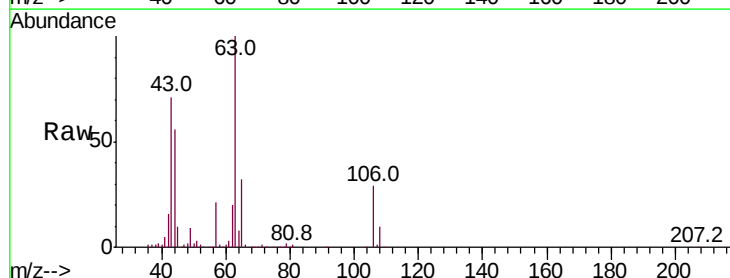
Acq: 20 Sep 2019 12:05

Tgt Ion: 63 Resp: 172742

Ion Ratio Lower Upper

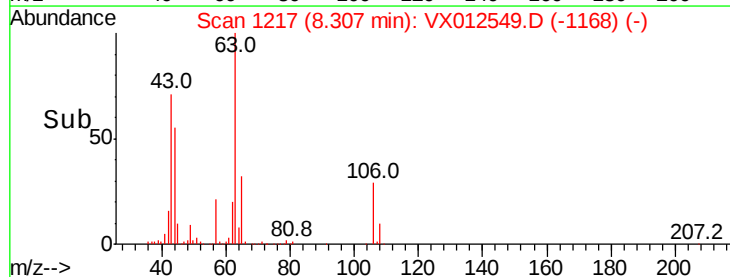
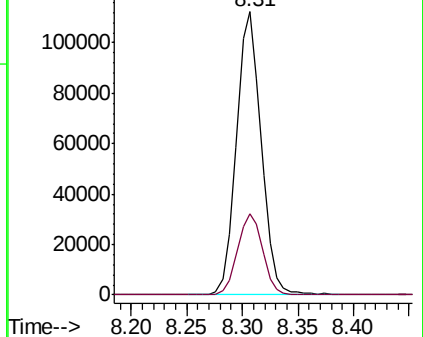
63 100

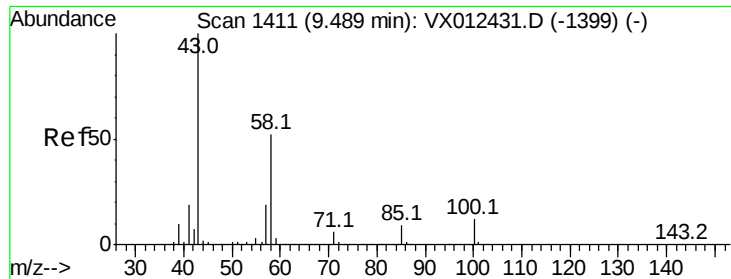
106 29.3 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

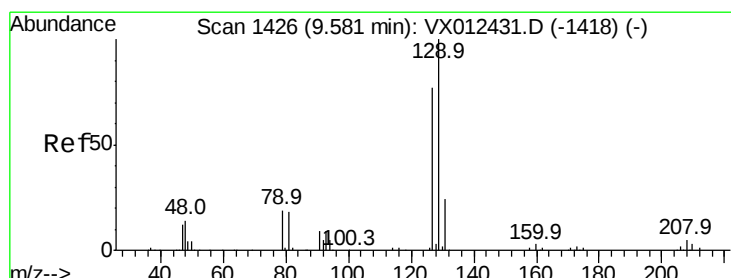
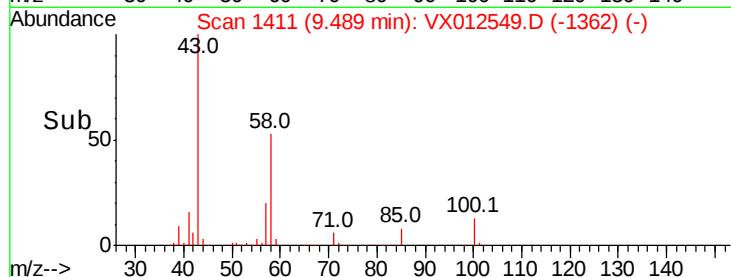
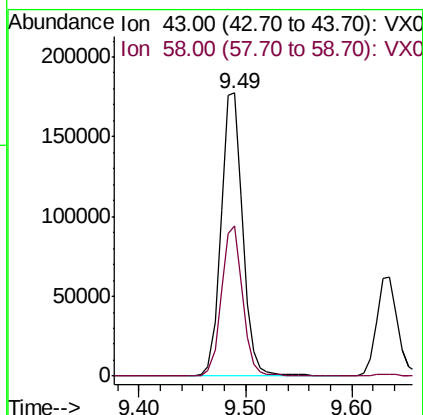
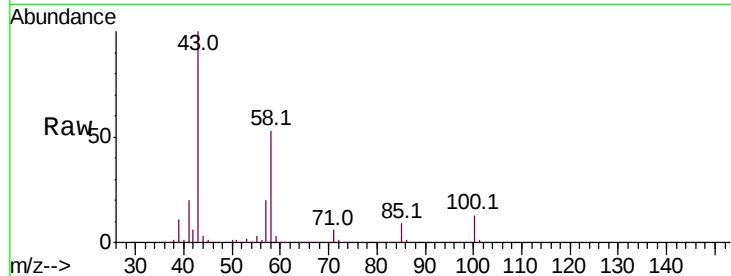




#59
2-Hexanone
Concen: 95.531 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

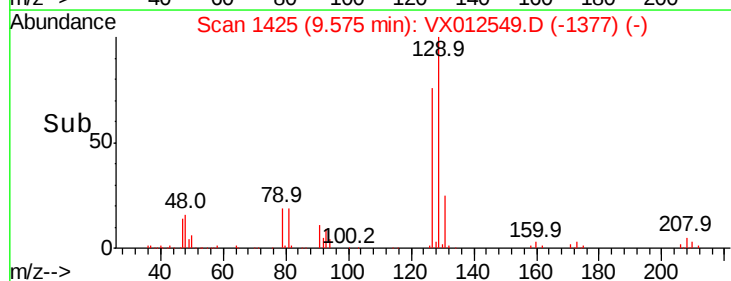
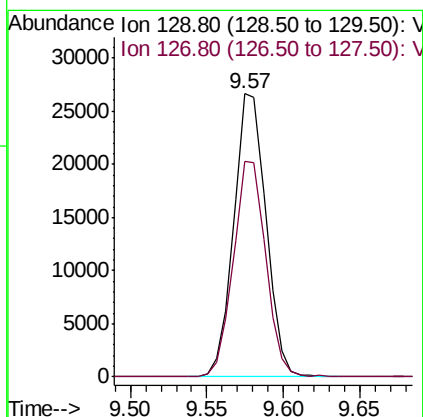
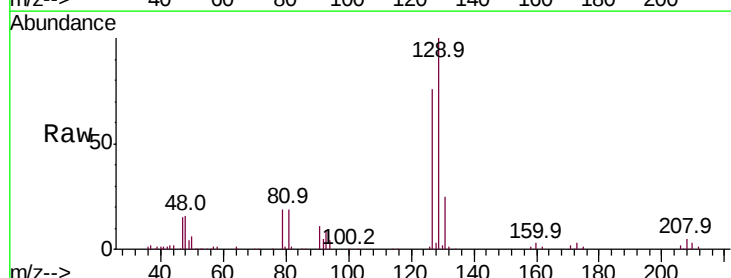
Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

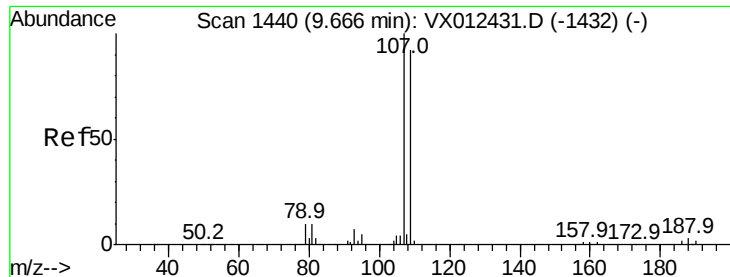
Tot Ion: 43 Resp: 251762
Ion Ratio Lower Upper
43 100
58 52.0 25.7 77.1



#60
Dibromochloromethane
Concen: 19.418 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion: 129 Resp: 39040
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.563 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

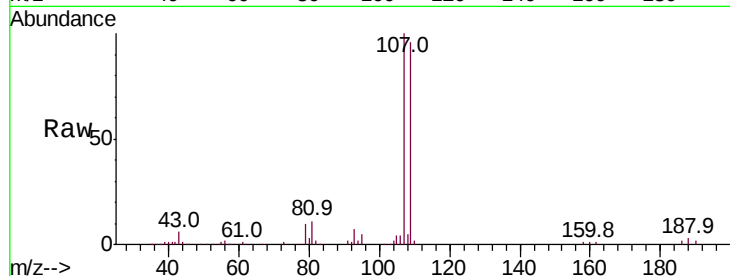
VX0920MBS01

Tot Ion:107 Resp: 37068

Ion Ratio Lower Upper

107 100

109 94.0 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

15000

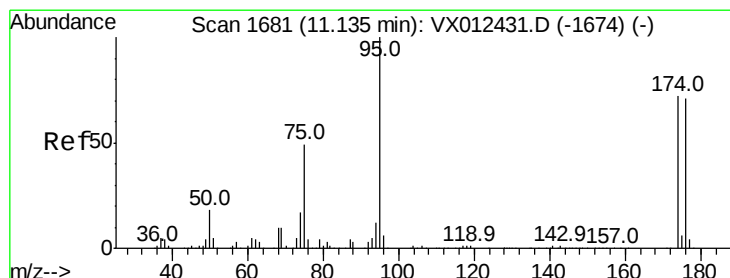
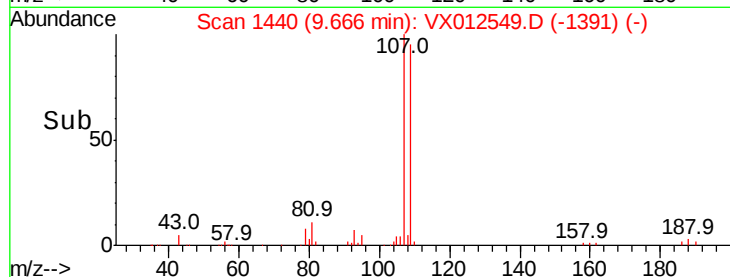
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 48.635 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

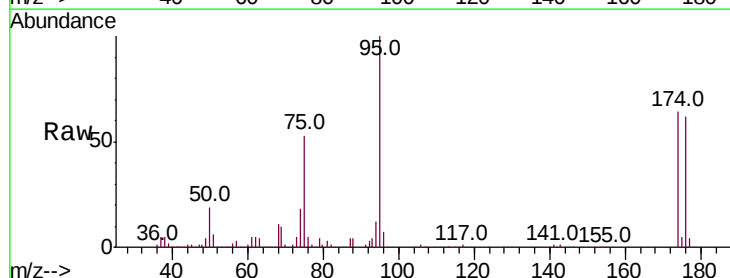
Tgt Ion: 95 Resp: 139177

Ion Ratio Lower Upper

95 100

174 71.5 0.0 140.0

176 69.3 0.0 135.4



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

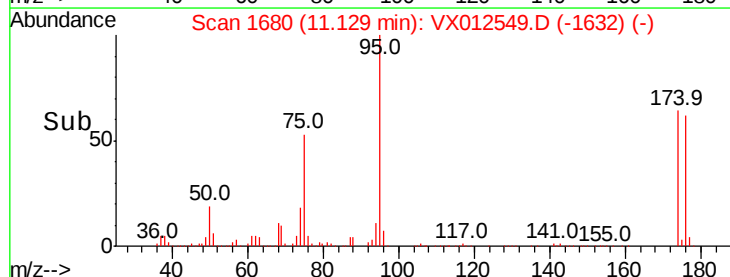
100000

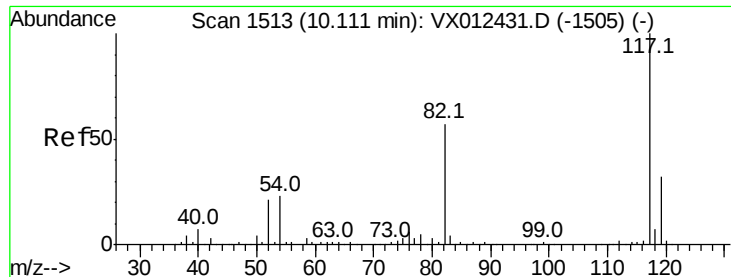
50000

0

Time-->

11.05 11.10 11.15 11.20

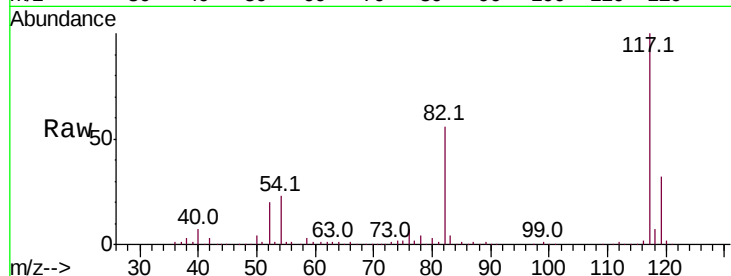




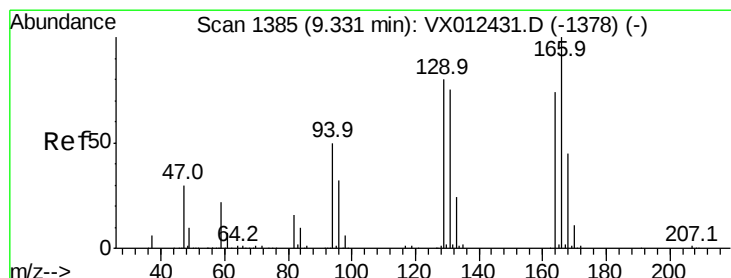
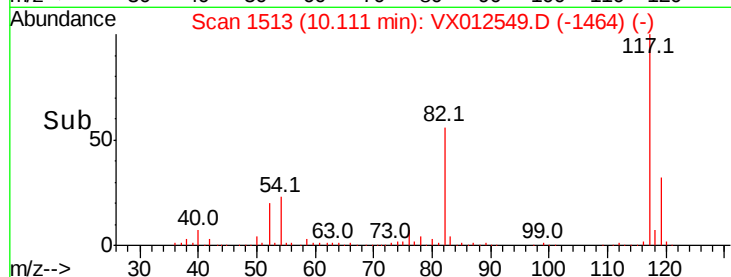
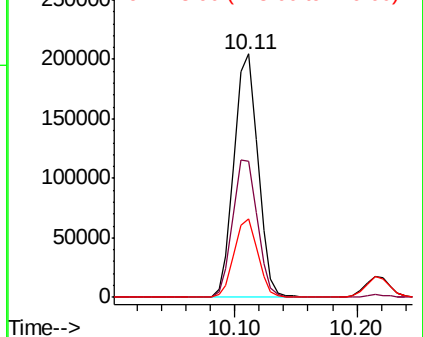
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion:117 Resp: 277822
Ion Ratio Lower Upper
117 100
82 56.1 45.9 68.9
119 32.5 25.3 37.9

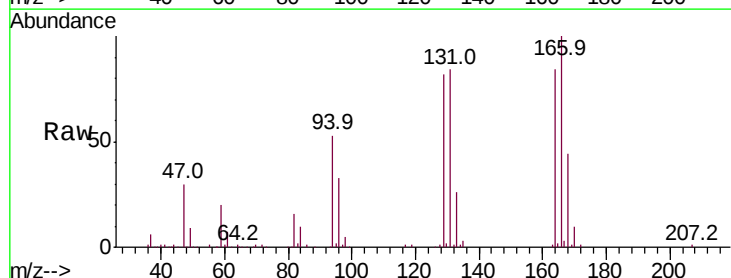


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

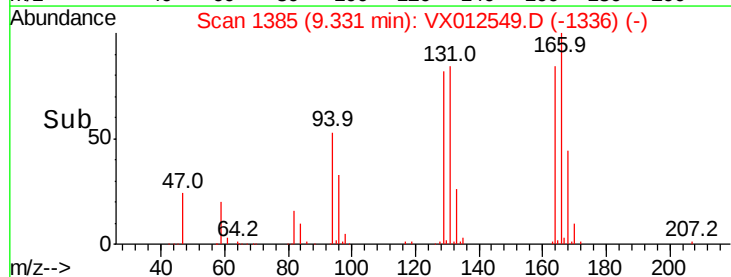
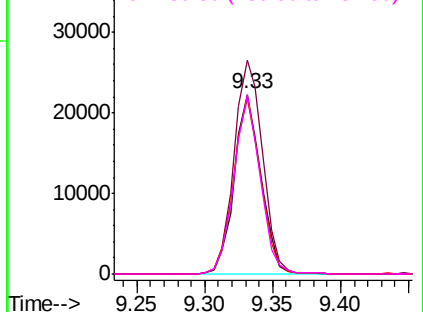


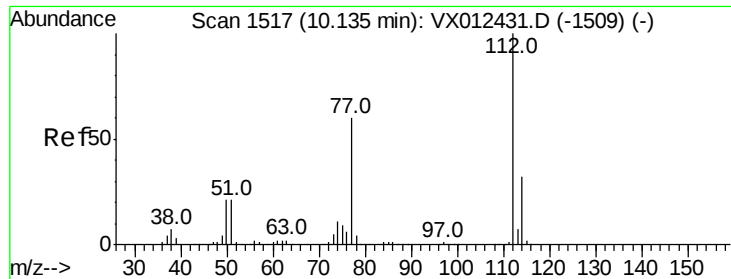
#64
Tetrachloroethene
Concen: 24.046 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion:164 Resp: 30613
Ion Ratio Lower Upper
164 100
166 119.1 107.8 161.6
129 97.9 86.2 129.2
131 99.9 80.4 120.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.772 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

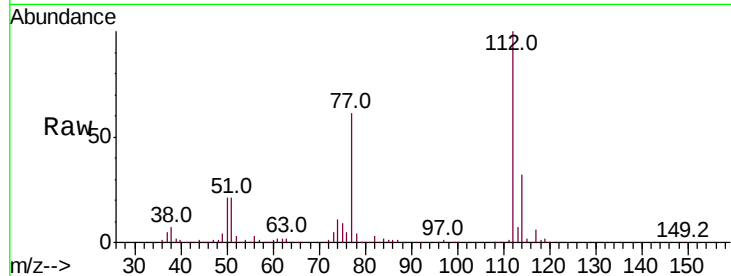
VX0920MBS01

Tot Ion:112 Resp: 90661

Ion Ratio Lower Upper

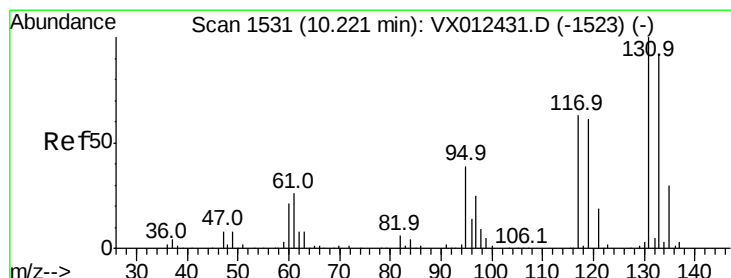
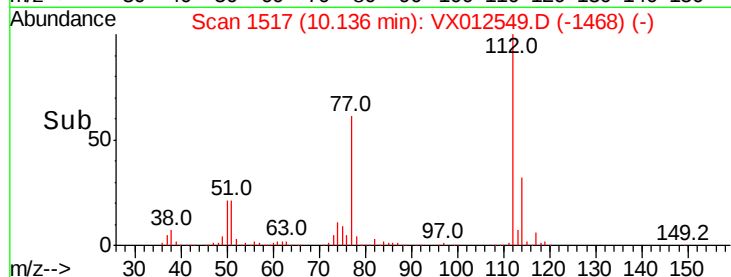
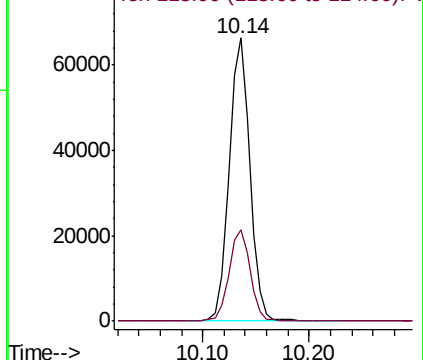
112 100

114 32.5 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.649 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

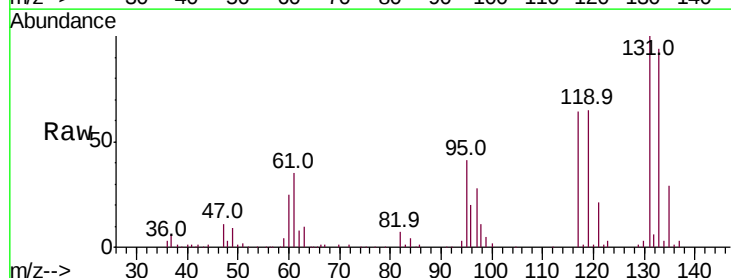
Tgt Ion:131 Resp: 37393

Ion Ratio Lower Upper

131 100

133 97.4 47.6 142.9

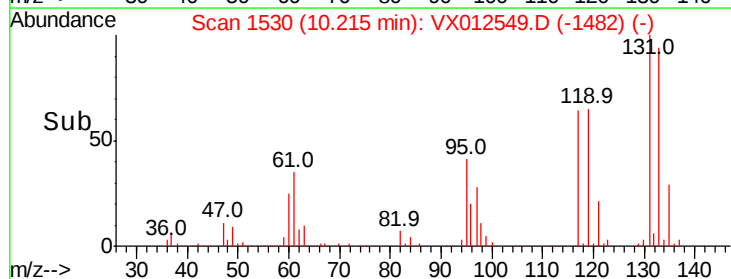
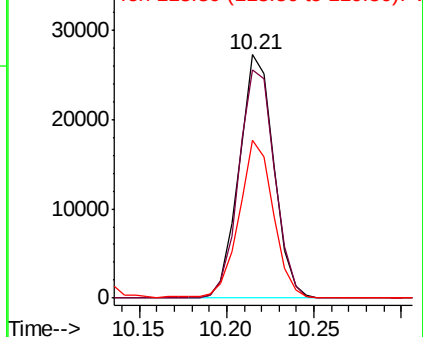
119 64.2 31.3 93.8

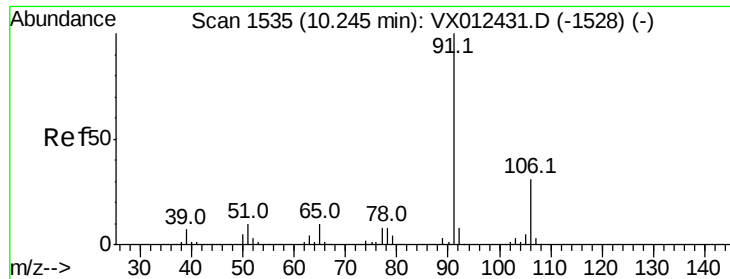


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.757 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

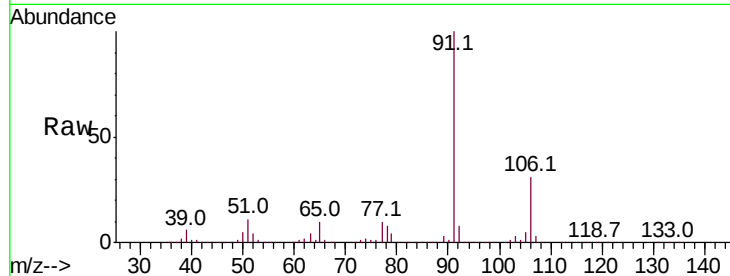
VX0920MBS01

Tot Ion: 91 Resp: 155650

Ion Ratio Lower Upper

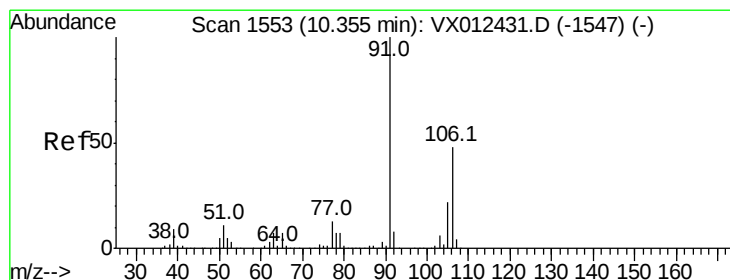
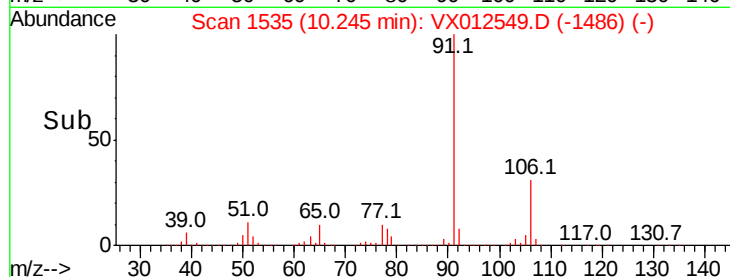
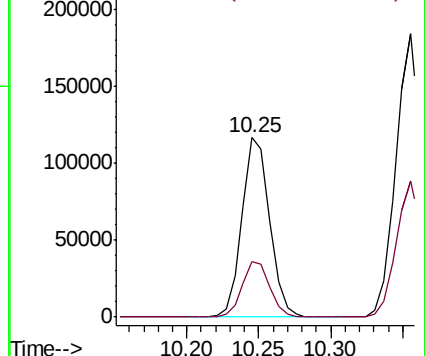
91 100

106 31.3 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.422 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012549.D

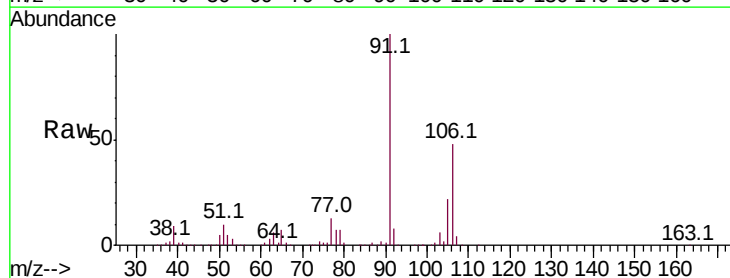
Acq: 20 Sep 2019 12:05

Tgt Ion:106 Resp: 115866

Ion Ratio Lower Upper

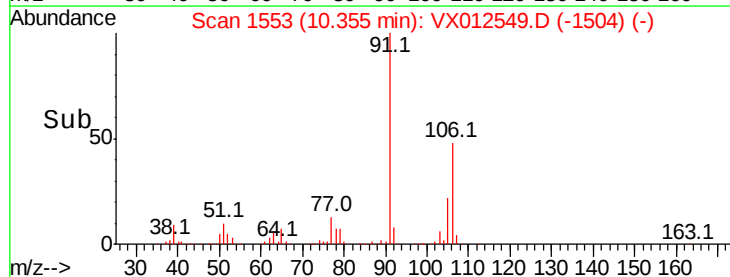
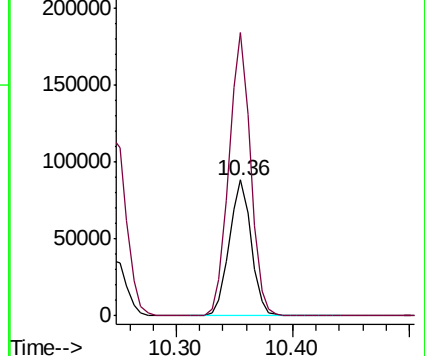
106 100

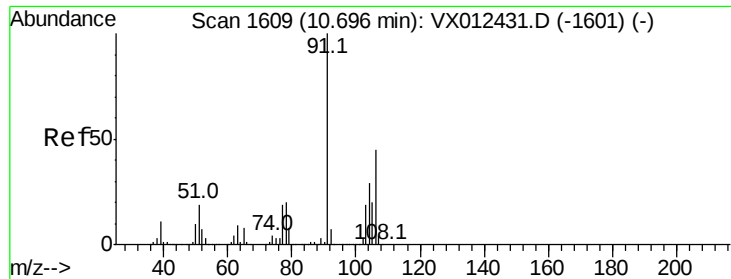
91 205.5 166.6 250.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

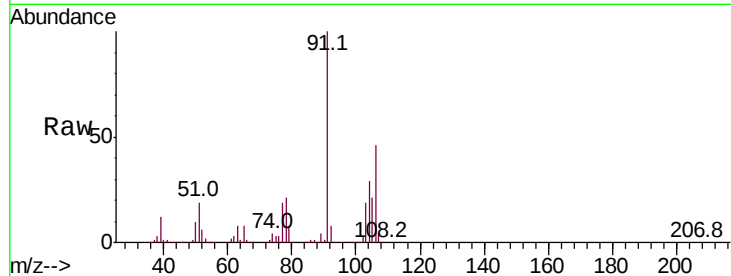




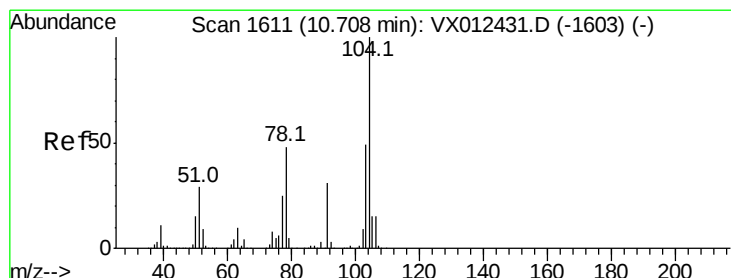
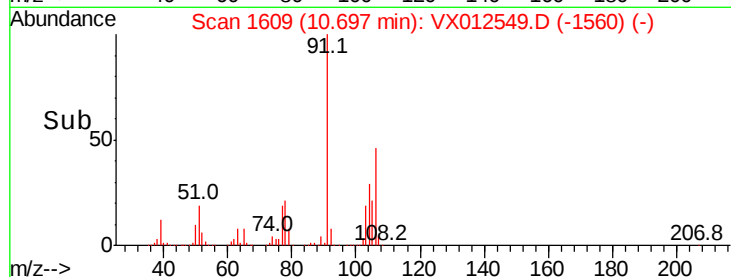
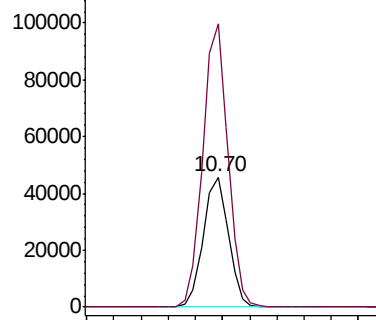
#69
o-Xylene
Concen: 20.106 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampled :
VX0920MBS01

Tot Ion:106 Resp: 59269
Ion Ratio Lower Upper
106 100
91 215.7 109.4 328.2

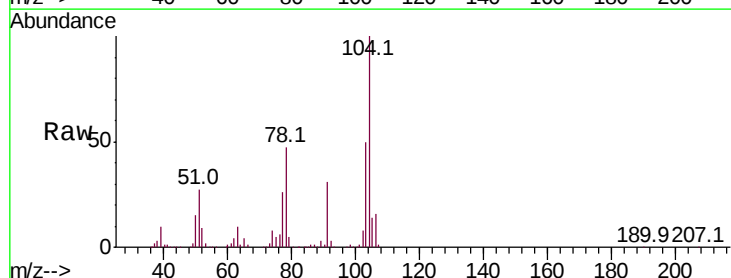


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

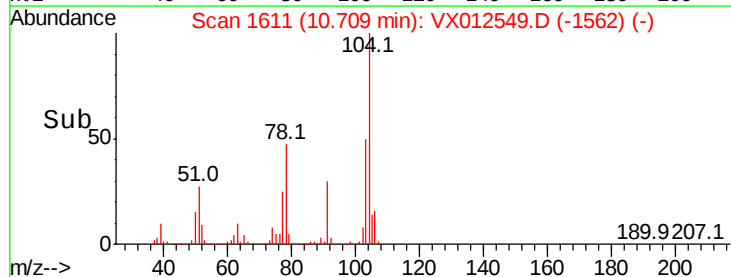
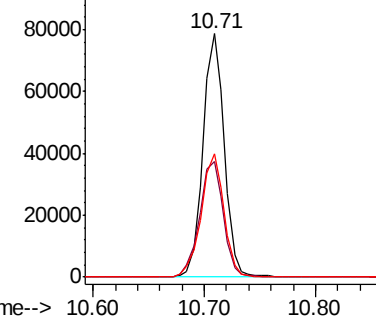


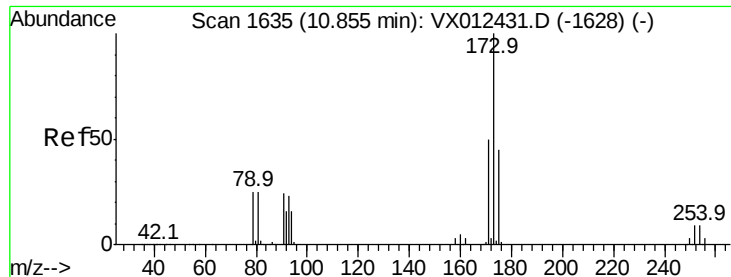
#70
Styrene
Concen: 19.836 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion:104 Resp: 103460
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.2
103 54.3 43.3 64.9



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: 18.266 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampled :

VX0920MBS01

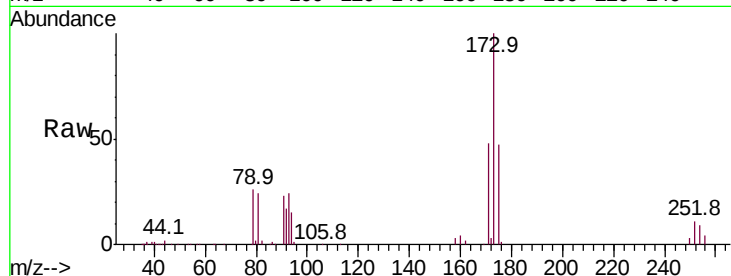
Tot Ion:173 Resp: 26763

Ion Ratio Lower Upper

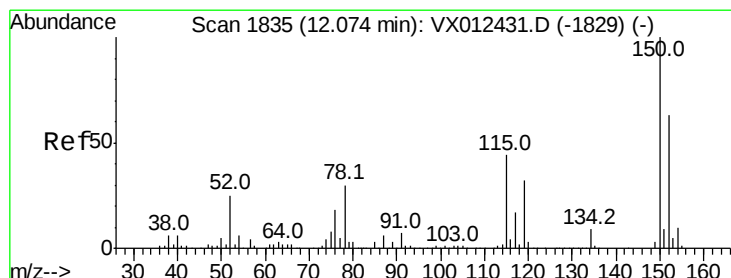
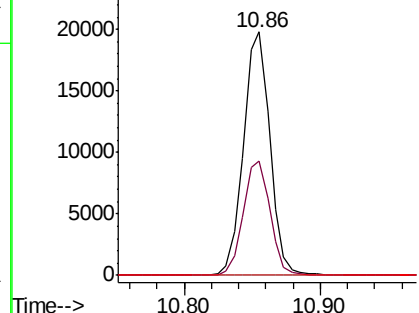
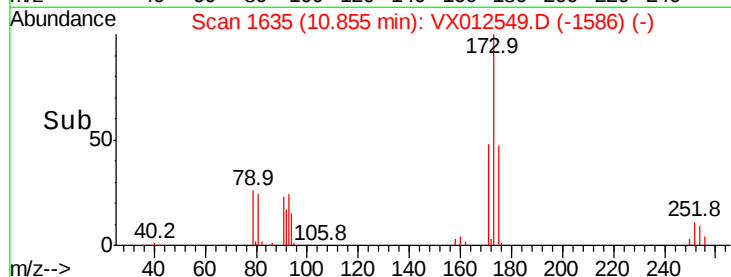
173 100

175 47.5 23.7 71.1

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

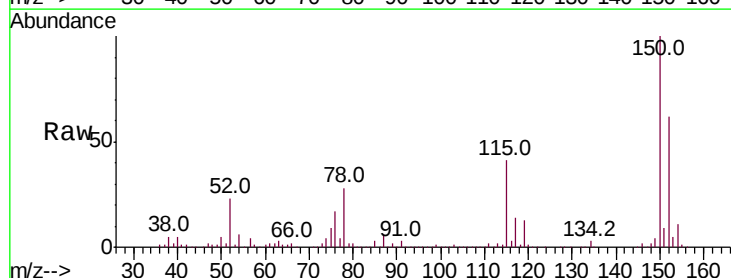
Tgt Ion:152 Resp: 129054

Ion Ratio Lower Upper

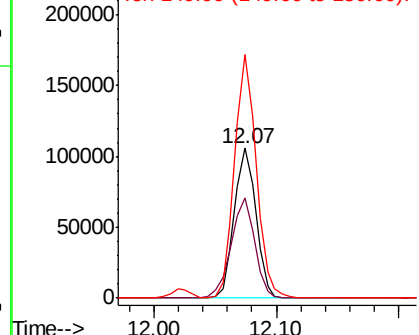
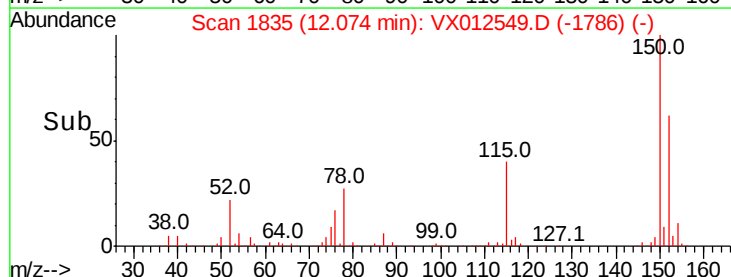
152 100

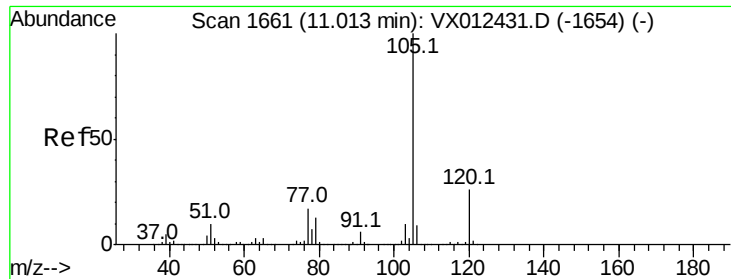
115 72.4 44.1 132.3

150 163.1 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.461 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

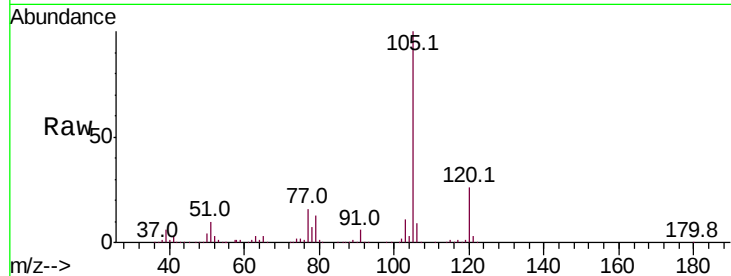
VX0920MBS01

Tot Ion:105 Resp: 165681

Ion Ratio Lower Upper

105 100

120 26.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

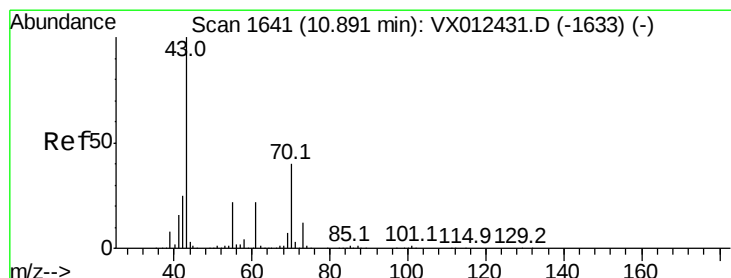
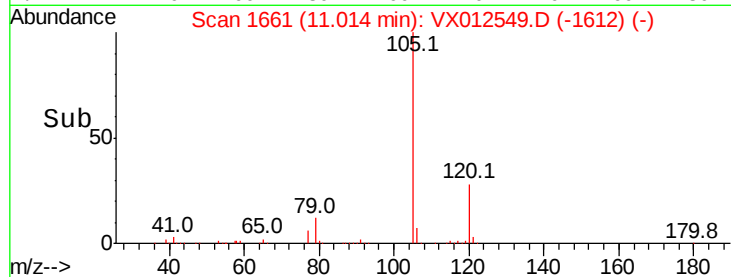
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.761 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Tgt Ion: 43 Resp: 86147

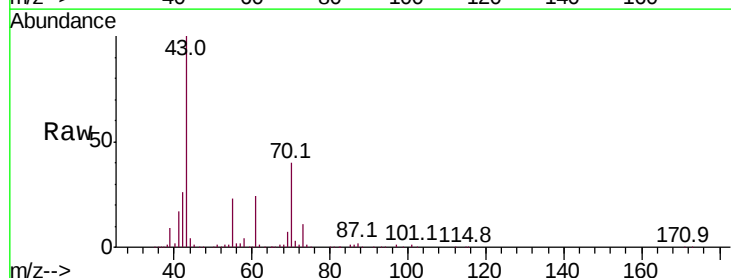
Ion Ratio Lower Upper

43 100

70 40.2 32.4 48.6

55 24.1 18.2 27.4

61 22.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.89

80000

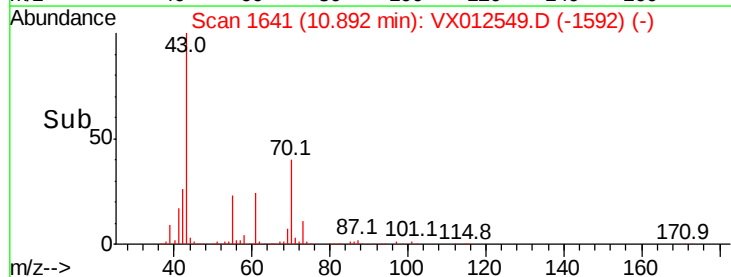
60000

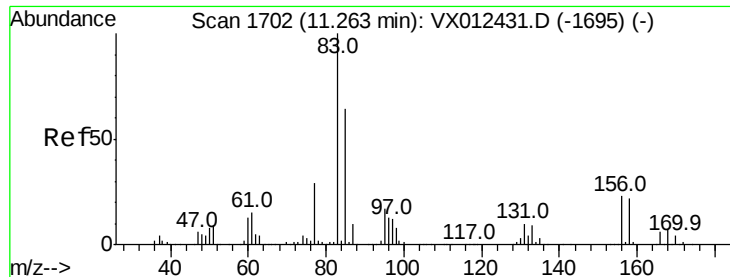
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.899 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

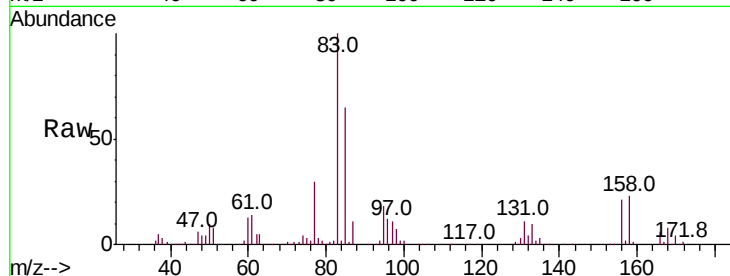
Tot Ion: 83 Resp: 63206

Ion Ratio Lower Upper

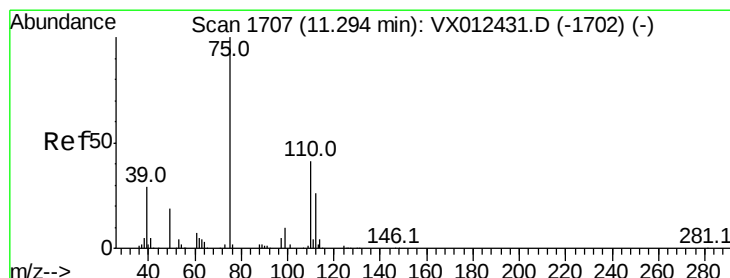
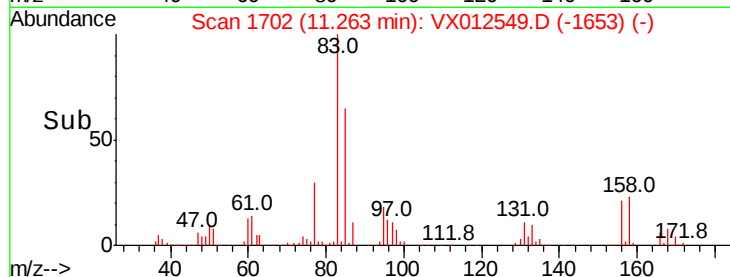
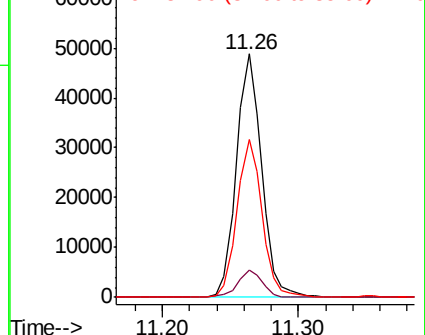
83 100

131 10.9 5.2 15.6

85 64.8 32.0 96.0



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: 24.054 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012549.D

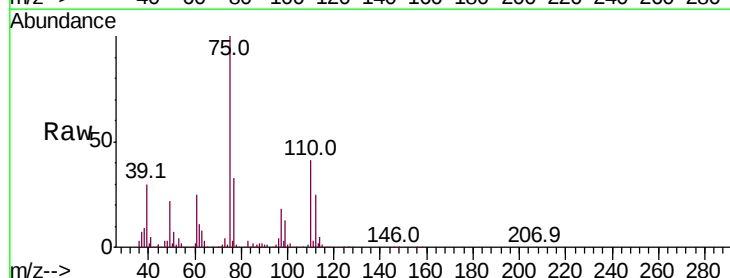
Acq: 20 Sep 2019 12:05

Tgt Ion: 75 Resp: 71306

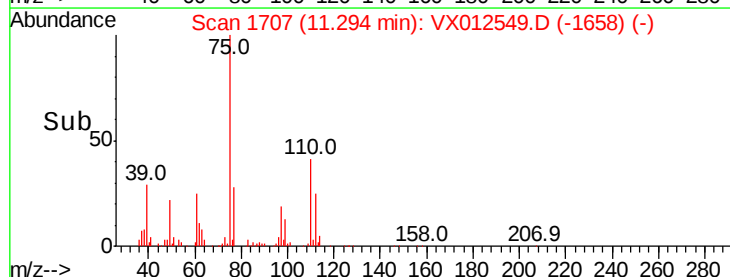
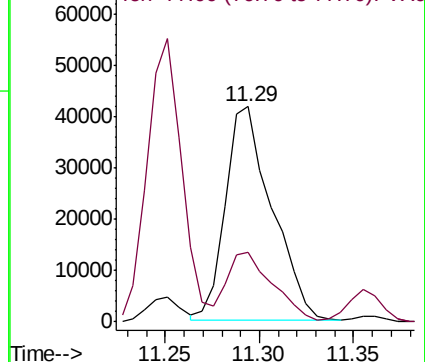
Ion Ratio Lower Upper

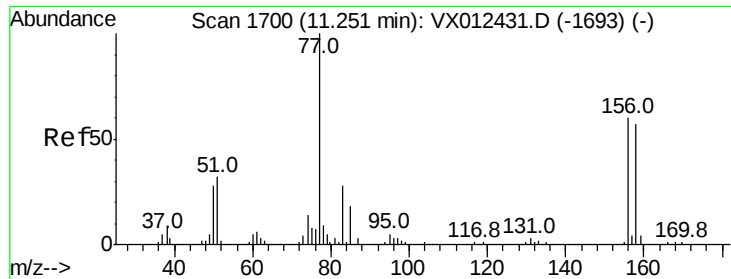
75 100

77 32.0 19.7 59.0



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





#77

Bromobenzene

Concen: 20.275 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

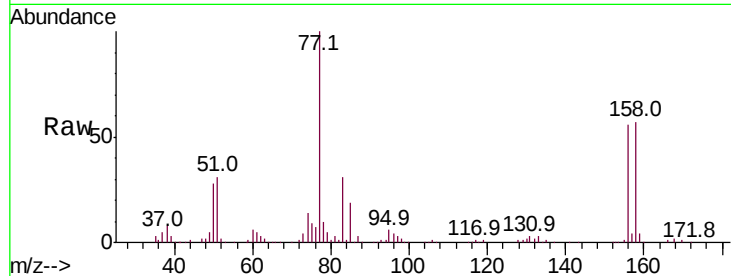
Tot Ion:156 Resp: 40039

Ion Ratio Lower Upper

156 100

77 179.2 87.3 261.8

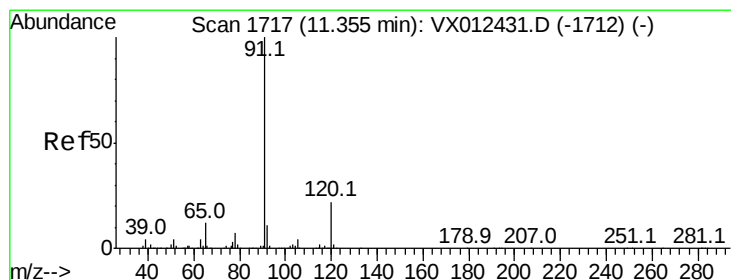
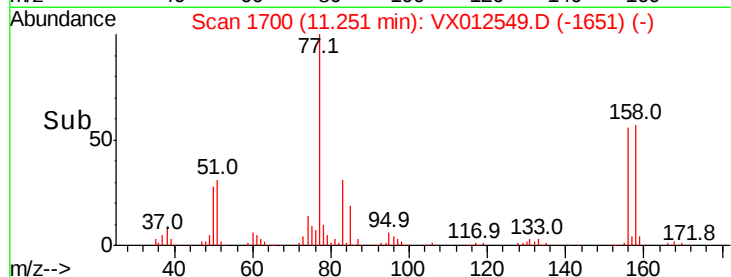
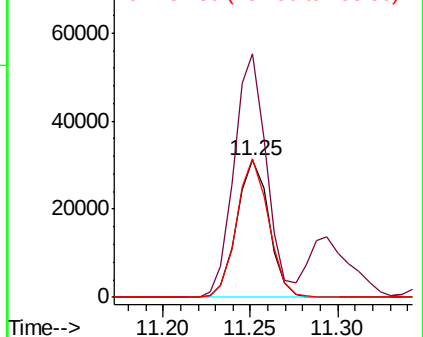
158 100.0 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.206 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012549.D

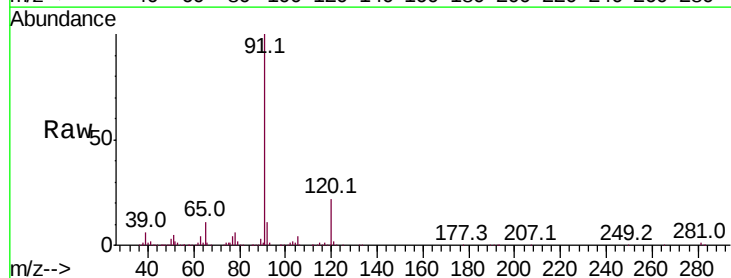
Acq: 20 Sep 2019 12:05

Tgt Ion: 91 Resp: 182357

Ion Ratio Lower Upper

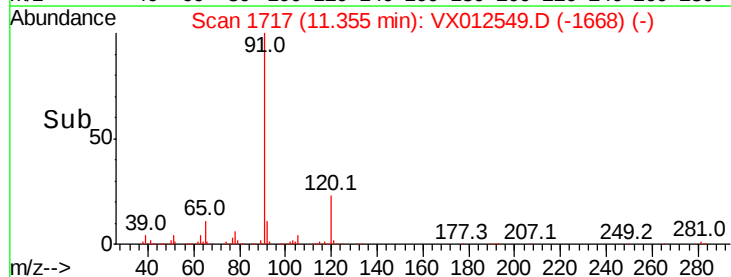
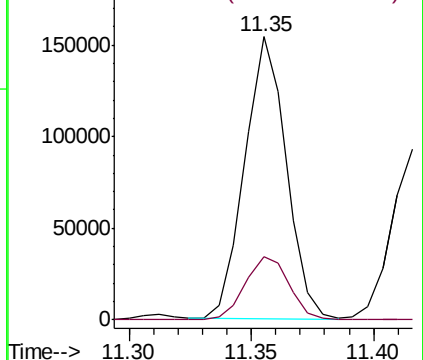
91 100

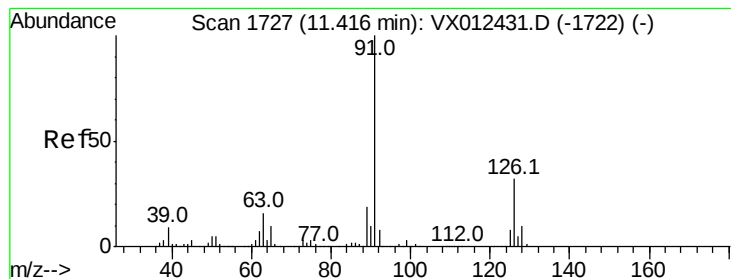
120 23.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.938 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

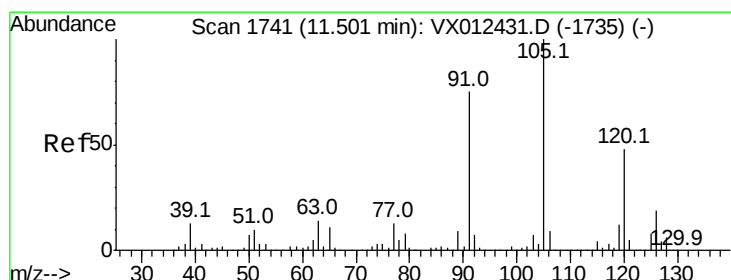
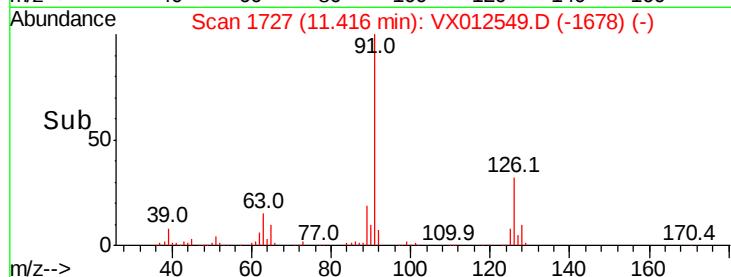
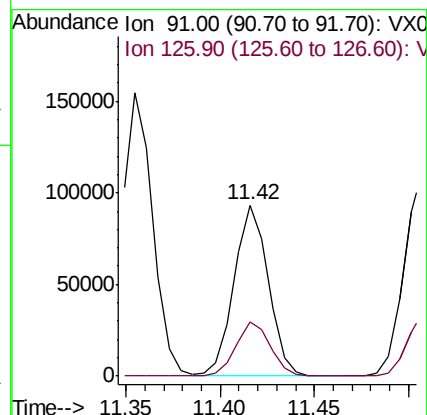
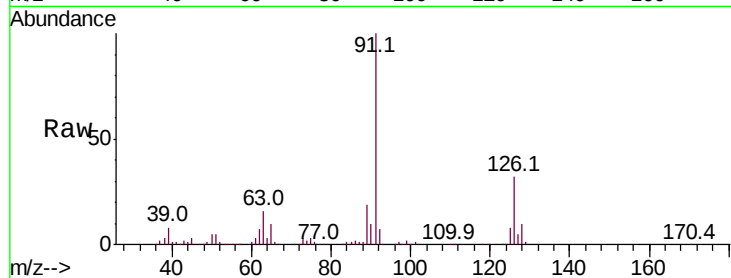
VX0920MBS01

Tot Ion: 91 Resp: 117062

Ion Ratio Lower Upper

91 100

126 32.0 16.4 49.4



#80

1,3,5-Trimethylbenzene

Concen: 20.393 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012549.D

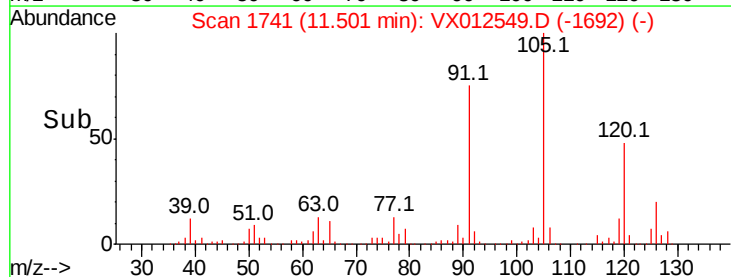
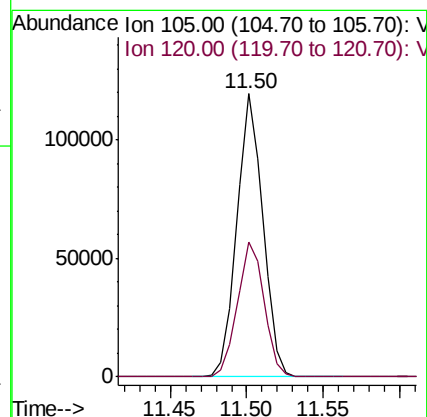
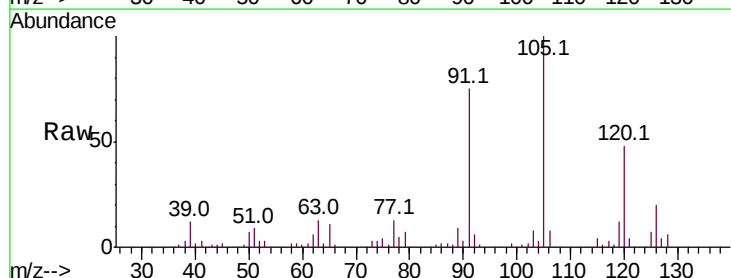
Acq: 20 Sep 2019 12:05

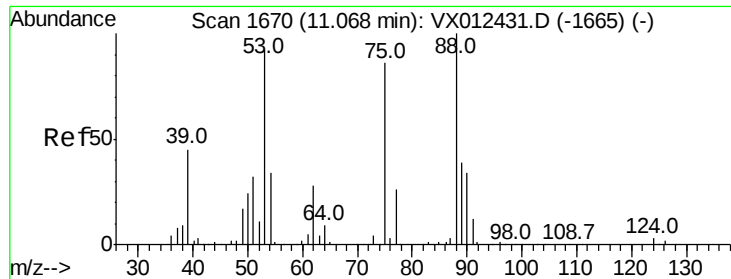
Tgt Ion:105 Resp: 140828

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.757 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

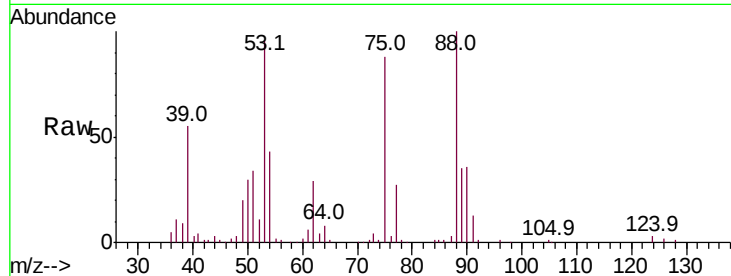
Tot Ion: 75 Resp: 18027

Ion Ratio Lower Upper

75 100

53 114.9 83.6 125.4

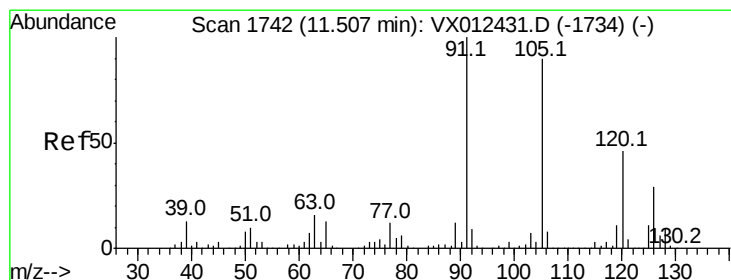
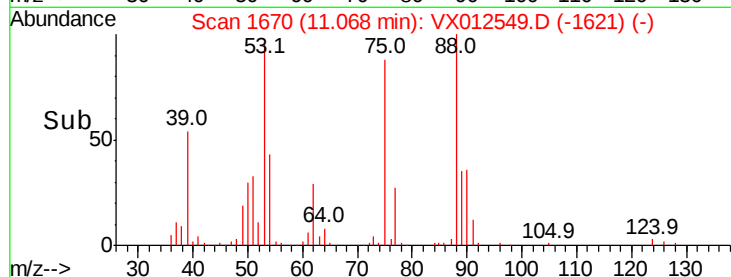
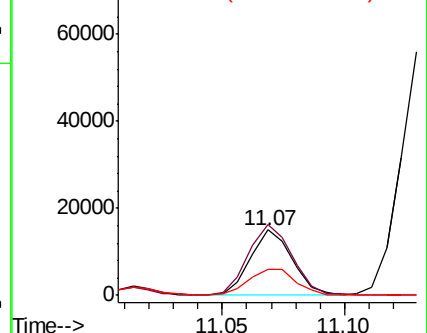
89 45.7 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.018 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012549.D

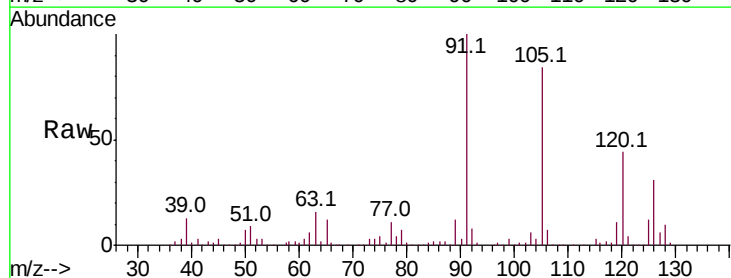
Acq: 20 Sep 2019 12:05

Tgt Ion: 91 Resp: 134886

Ion Ratio Lower Upper

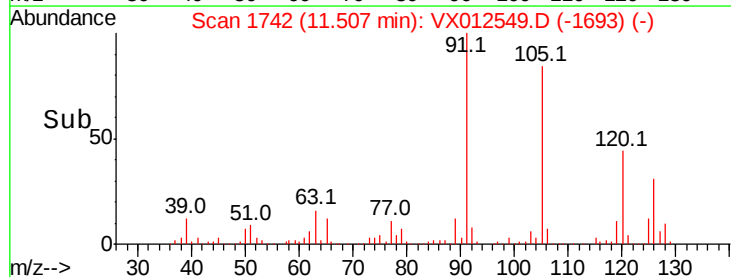
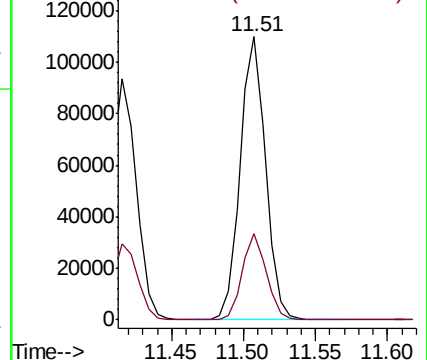
91 100

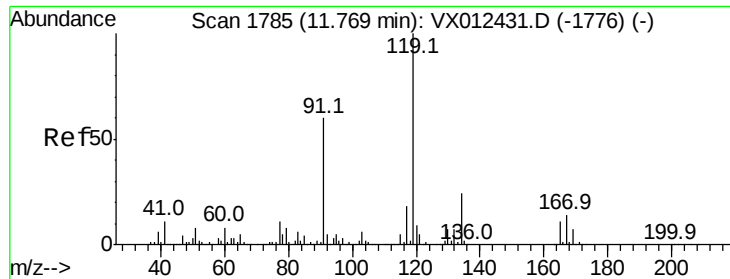
126 29.3 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.548 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampled :

VX0920MBS01

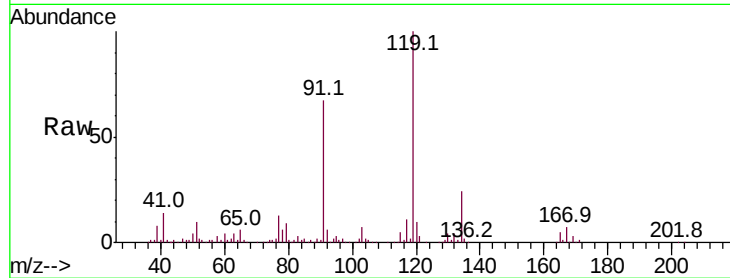
Tot Ion:119 Resp: 144654

Ion Ratio Lower Upper

119 100

91 60.6 30.0 90.0

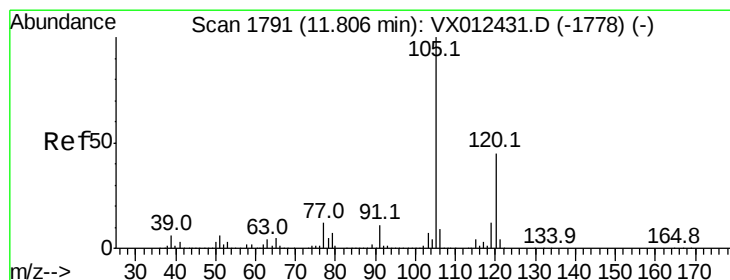
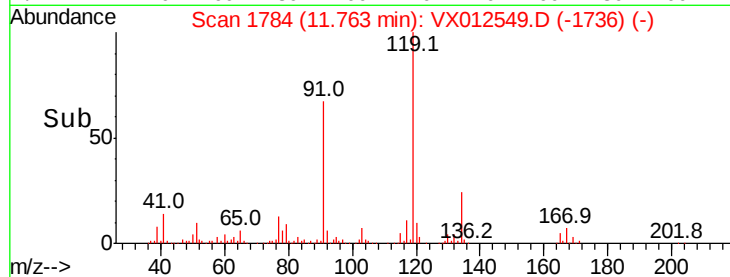
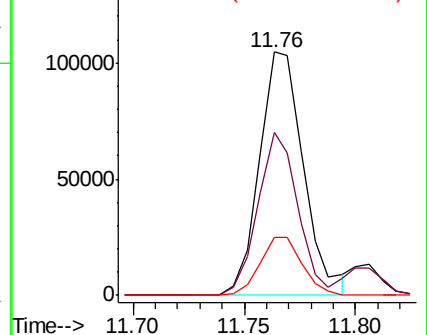
134 22.9 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.205 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX012549.D

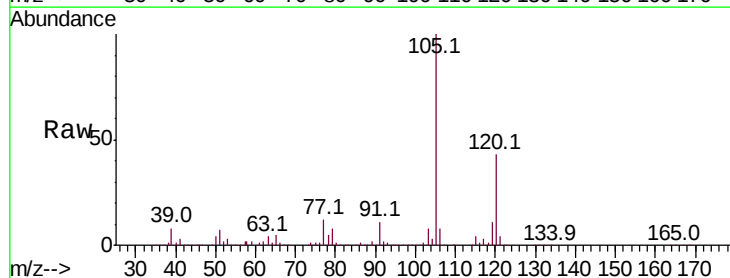
Acq: 20 Sep 2019 12:05

Tgt Ion:105 Resp: 143263

Ion Ratio Lower Upper

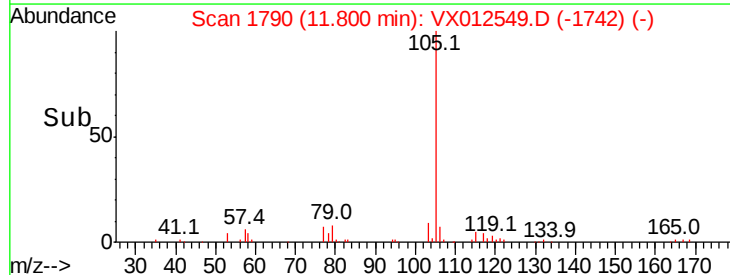
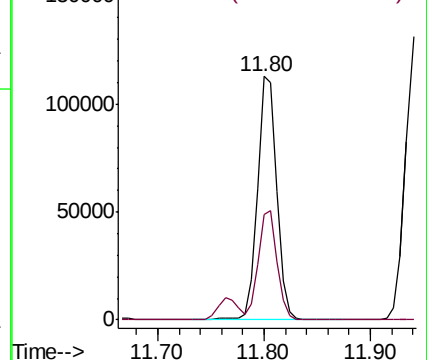
105 100

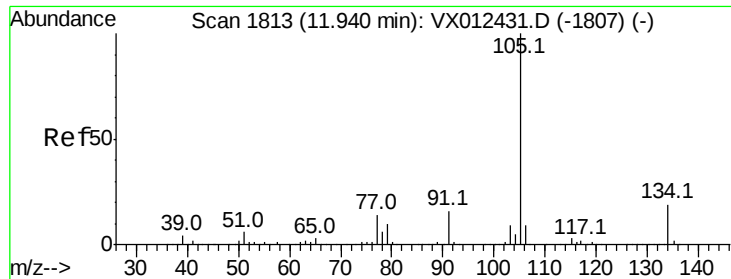
120 43.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.977 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampled :

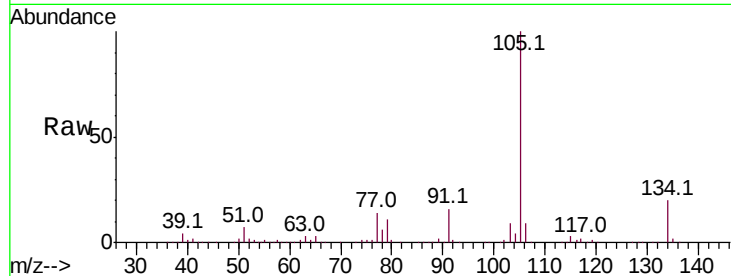
VX0920MBS01

Tot Ion:105 Resp: 162894

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

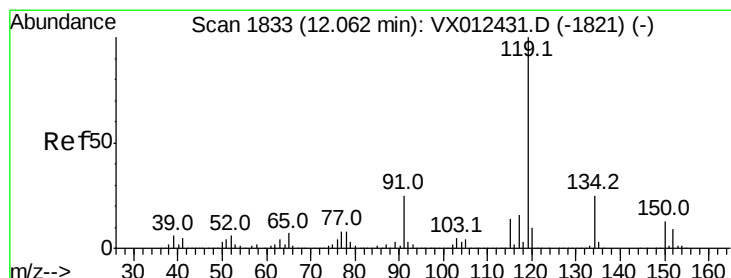
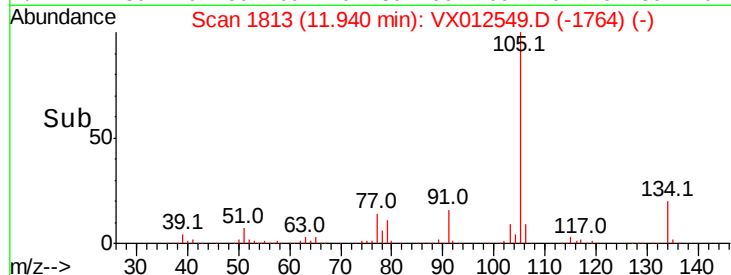
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.815 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

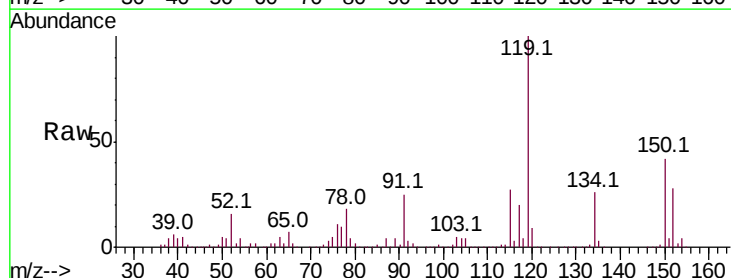
Tgt Ion:119 Resp: 148364

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

91 25.9 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

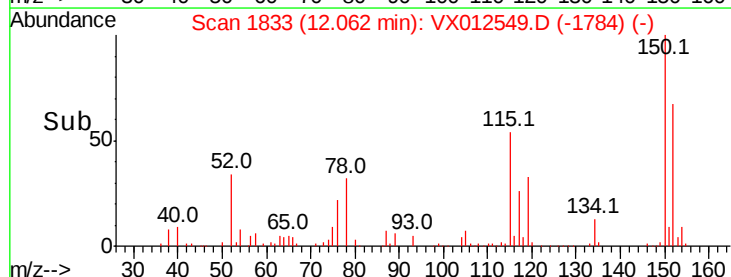
150000

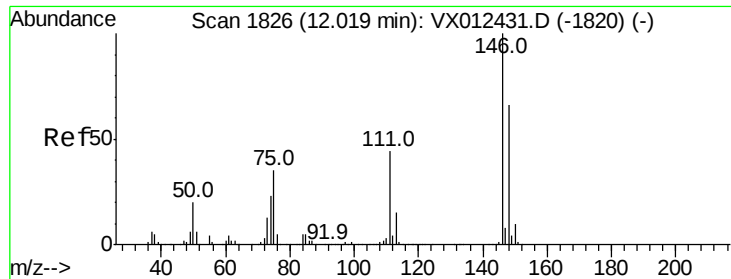
100000

50000

0

Time-->

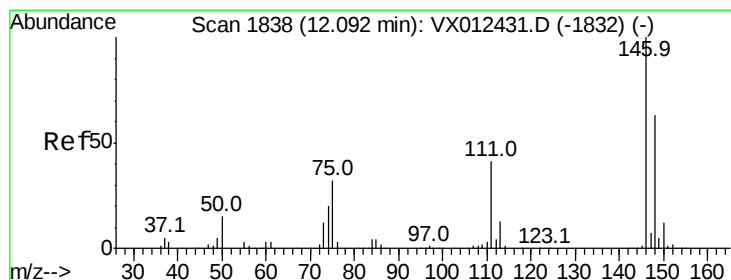
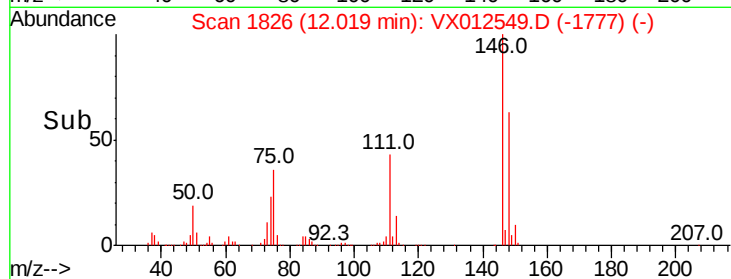
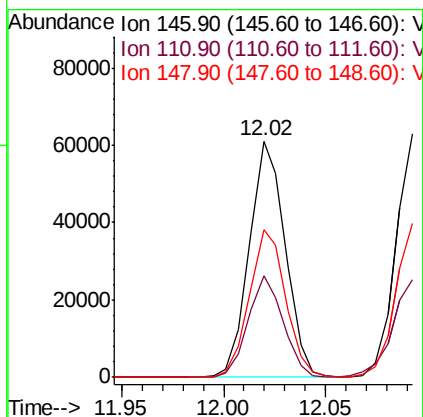
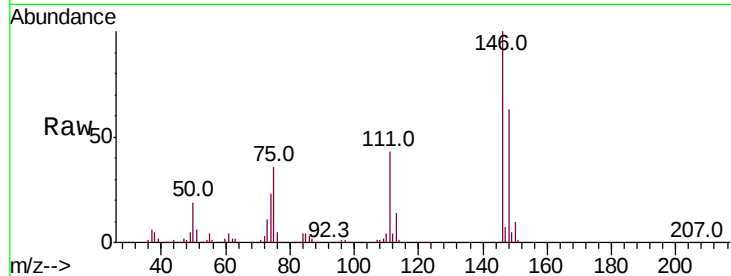




#87
 1,3-Dichlorobenzene
 Concen: 20.232 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

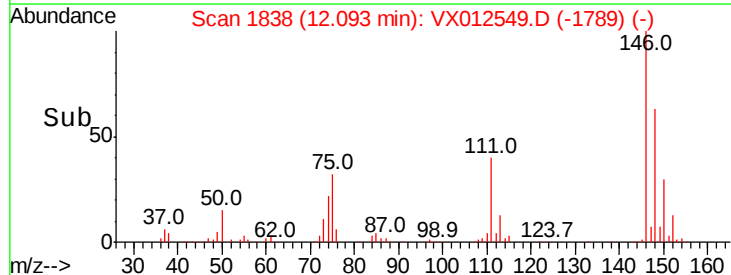
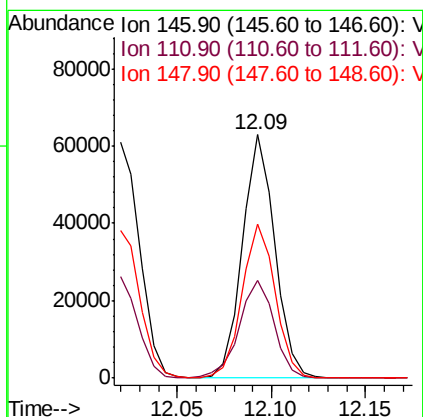
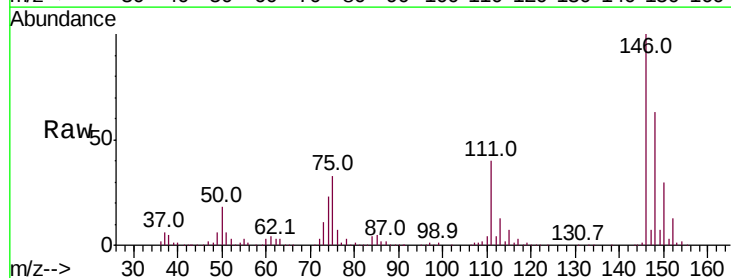
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

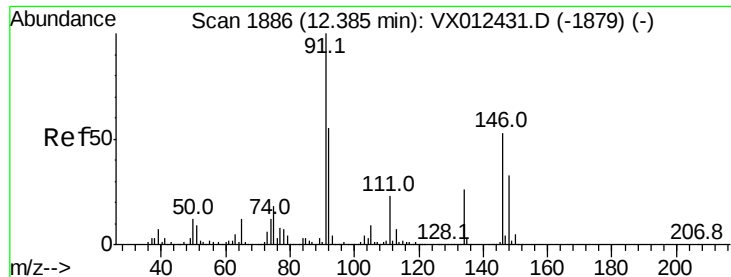
Tot Ion:146 Resp: 75158
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.3 64.0
 148 62.9 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 19.578 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion:146 Resp: 74707
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.1 63.3
 148 65.3 32.1 96.5





#89

n-Butylbenzene

Concen: 18.402 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampled :

VX0920MBS01

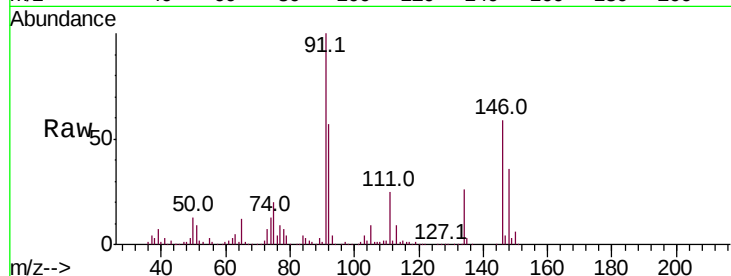
Tot Ion: 91 Resp: 122937

Ion Ratio Lower Upper

91 100

92 55.5 27.7 83.0

134 26.9 12.9 38.6

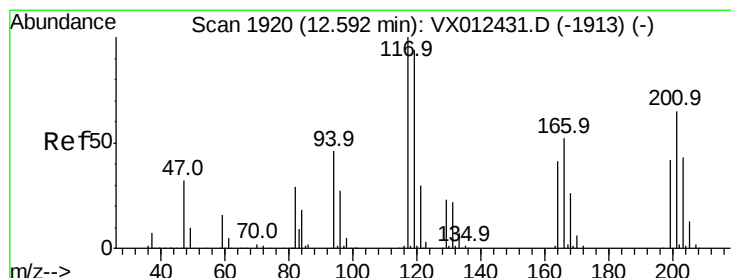
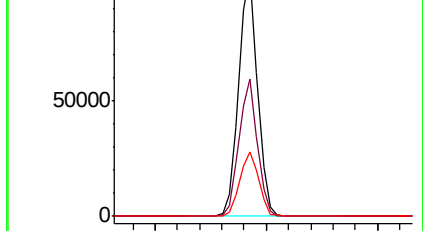
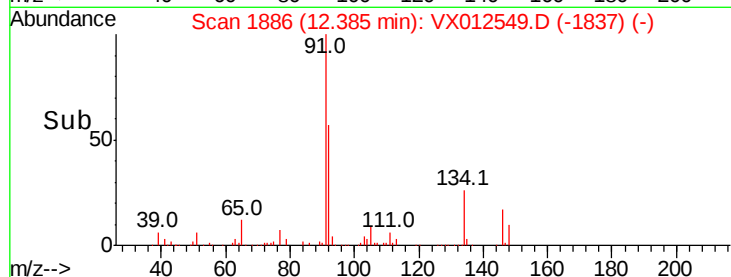


Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VX012431.D (-1879) (-)

Ion 134.00 (133.70 to 134.70): VX012431.D (-1879) (-)

Time-->



#90

Hexachloroethane

Concen: 18.443 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012549.D

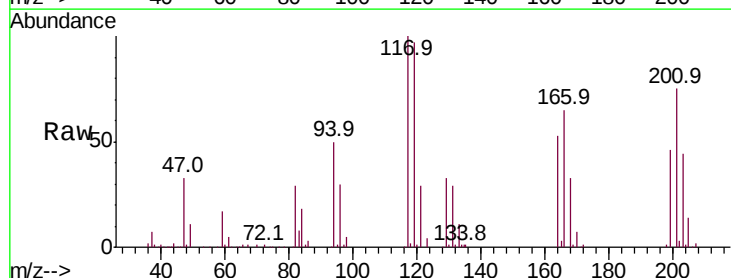
Acq: 20 Sep 2019 12:05

Tgt Ion: 117 Resp: 25321

Ion Ratio Lower Upper

117 100

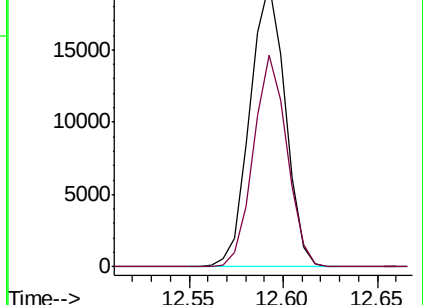
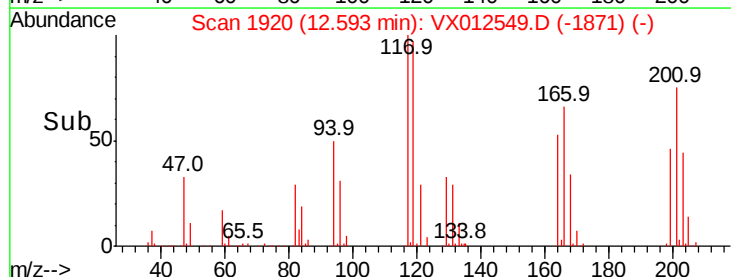
201 71.4 33.3 99.8

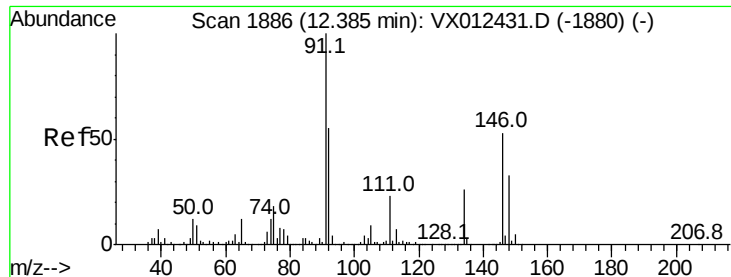


Abundance Ion 116.80 (116.50 to 117.50): VX012431.D (-1913) (-)

Ion 200.70 (200.40 to 201.40): VX012431.D (-1913) (-)

Time-->

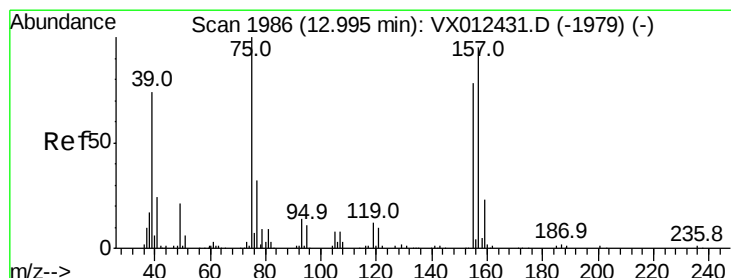
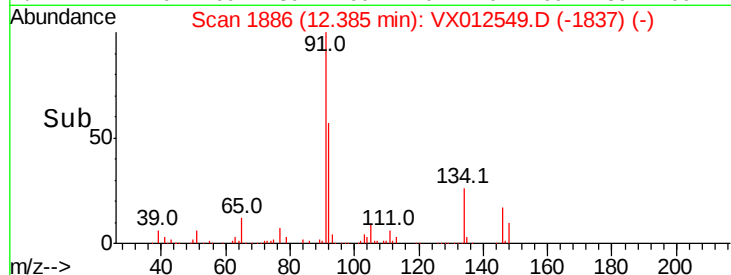
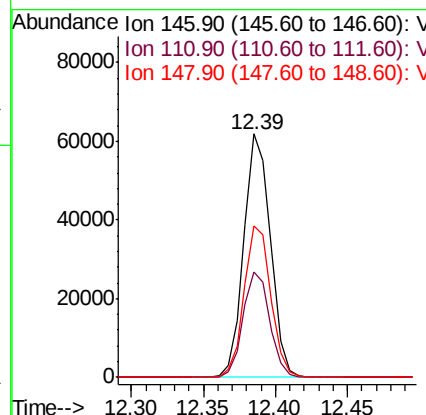
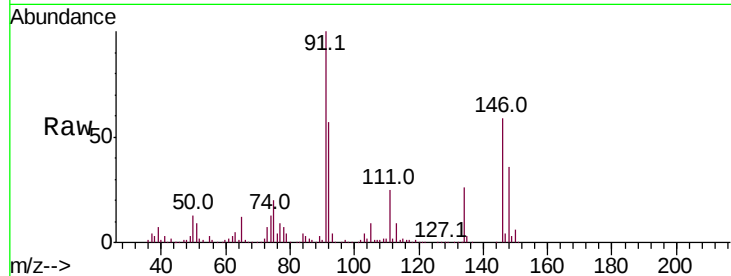




#91
 1,2-Dichlorobenzene
 Concen: 20.440 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

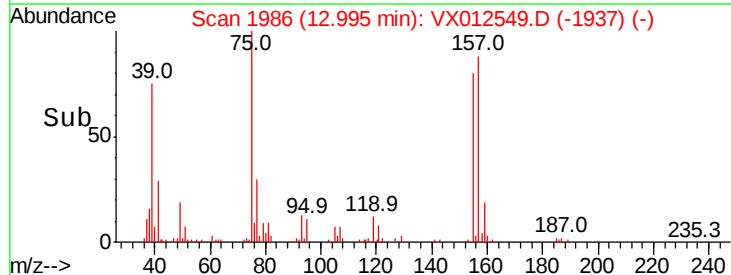
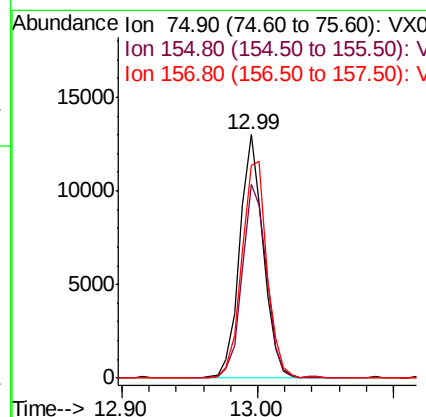
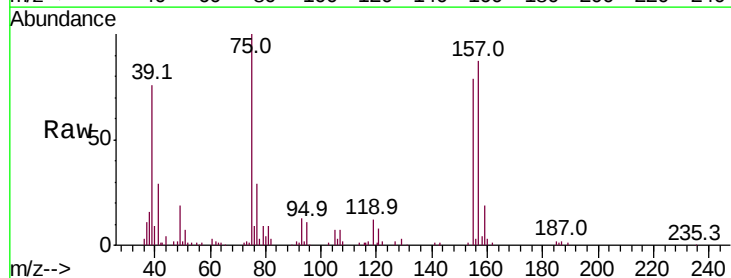
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

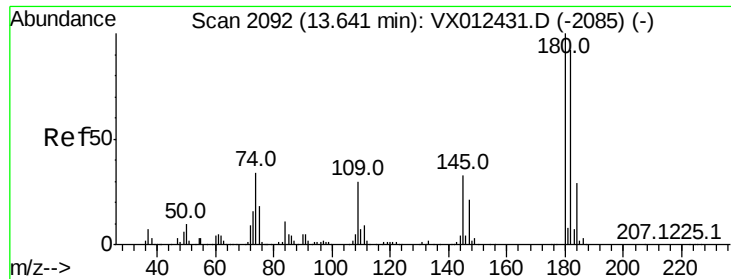
Tot Ion:146 Resp: 79360
 Ion Ratio Lower Upper
 146 100
 111 43.4 22.1 66.1
 148 62.6 31.3 93.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.126 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion: 75 Resp: 15750
 Ion Ratio Lower Upper
 75 100
 155 81.0 38.6 115.8
 157 94.4 50.6 151.9

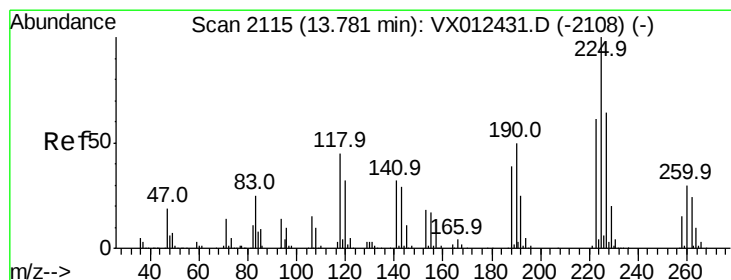
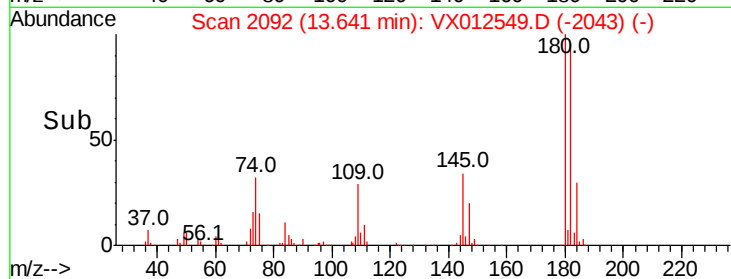
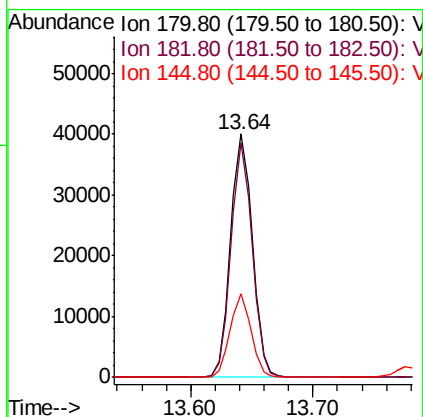
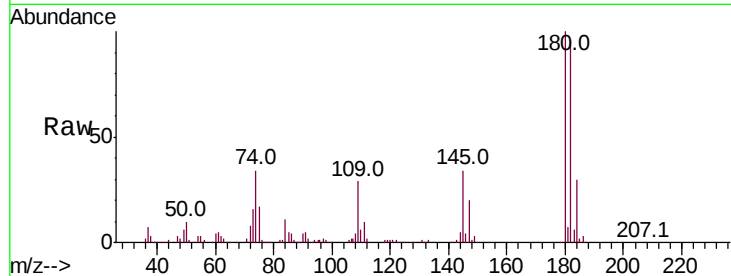




#93
 1,2,4-Trichlorobenzene
 Concen: 19.606 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

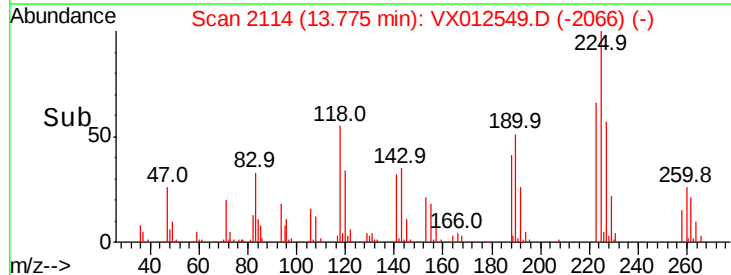
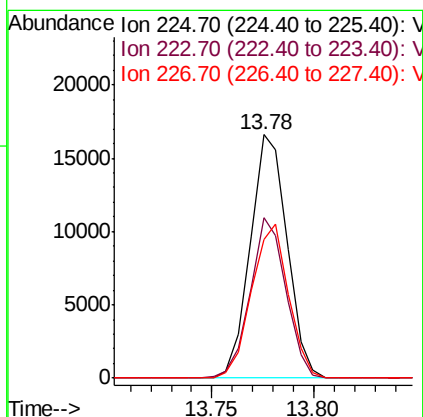
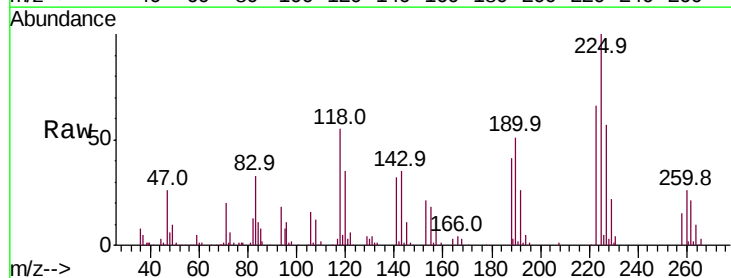
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

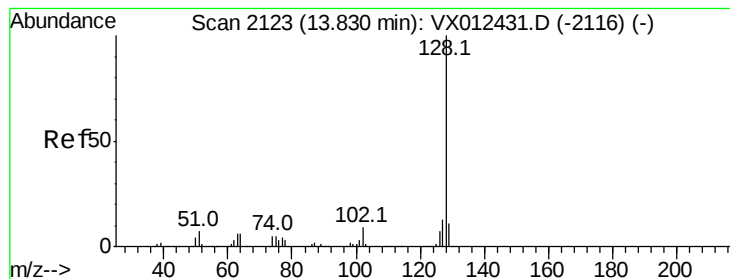
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.0	141.0
145	33.0	16.8	50.4



#94
 Hexachlorobutadiene
 Concen: 17.731 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.0	96.2
227	63.4	31.9	95.5





#95

Naphthalene

Concen: 19.933 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

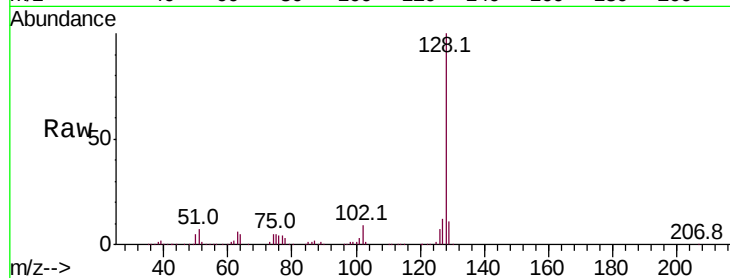
Tot Ion:128 Resp: 177376

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

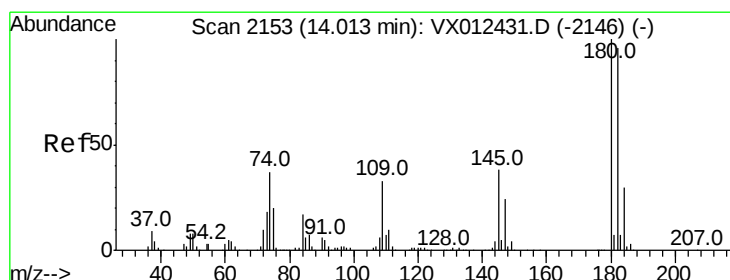
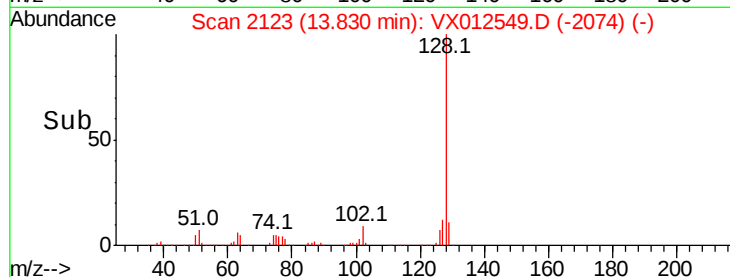
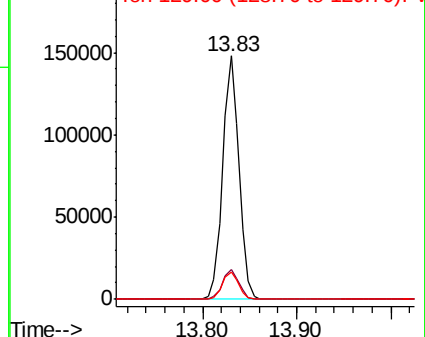
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.810 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

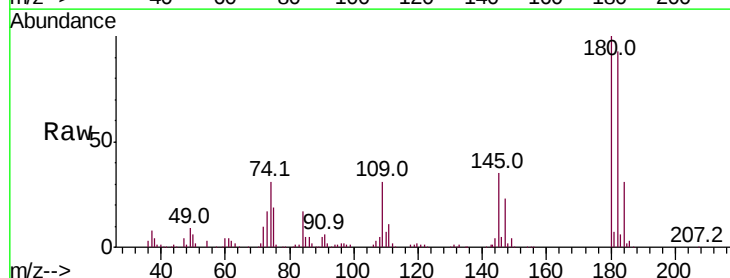
Tgt Ion:180 Resp: 50485

Ion Ratio Lower Upper

180 100

182 96.7 47.1 141.3

145 36.0 18.0 54.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

