

Data File : VX012247.D
Acq On : 10 Sep 2019 10:01
Operator : SY/SP
Sample : VSTDIC020
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Quant Time: Sep 10 11:11:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	264281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	117960	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	42334	19.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.70%	
35) Dibromofluoromethane	5.49	113	35255	19.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.82%	
50) Toluene-d8	8.71	98	113044	18.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.50%	
62) 4-Bromofluorobenzene	11.14	95	58515	20.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.70%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	25509	21.721 ug/l	99
3) Chloromethane	1.32	50	23602	20.853 ug/l	100
4) Vinyl Chloride	1.40	62	23316	21.510 ug/l	100
5) Bromomethane	1.62	94	9496	24.163 ug/l	99
6) Chloroethane	1.70	64	14113	20.739 ug/l	96
7) Trichlorofluoromethane	1.91	101	40647	22.044 ug/l	98
8) Diethyl Ether	2.18	74	13093	15.978 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28640	20.851 ug/l	99
10) Methyl Iodide	2.50	142	23998	17.789 ug/l	99
11) Tert butyl alcohol	3.03	59	30502	149.952 ug/l	99
12) 1,1-Dichloroethene	2.36	96	23922	20.678 ug/l	97
13) Acrolein	2.28	56	10992	89.136 ug/l	96
14) Allyl chloride	2.72	41	47170	19.757 ug/l	100
15) Acrylonitrile	3.13	53	41406	91.431 ug/l	99
16) Acetone	2.44	43	45470	98.338 ug/l	99
17) Carbon Disulfide	2.56	76	48172	20.232 ug/l	96
18) Methyl Acetate	2.76	43	19986	17.010 ug/l	97
19) Methyl tert-butyl Ether	3.18	73	88551	18.608 ug/l	100
20) Methylene Chloride	2.84	84	33521	17.277 ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	27592	19.704 ug/l	98
22) Diisopropyl ether	3.84	45	106363	19.108 ug/l	94
23) Vinyl Acetate	3.80	43	324019	95.346 ug/l	100
24) 1,1-Dichloroethane	3.68	63	57741	19.433 ug/l	97
25) 2-Butanone	4.66	43	61535	97.071 ug/l	99
26) 2,2-Dichloropropane	4.57	77	54239	19.683 ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	35191	19.074 ug/l	99
28) Bromochloromethane	5.00	49	24222	17.774 ug/l	96
29) Tetrahydrofuran	5.12	42	34779	90.461 ug/l	98
30) Chloroform	5.20	83	63714	18.741 ug/l	99
31) Cyclohexane	5.56	56	40036	20.035 ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	55566	19.734 ug/l	99
36) 1,1-Dichloropropene	5.79	75	39861	19.603 ug/l	96
37) Ethyl Acetate	4.82	43	23804	17.724 ug/l	# 94
38) Carbon Tetrachloride	5.78	117	45671	19.612 ug/l	94

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VSTDIC020

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	43883	20.509	ug/l	97
40) Benzene	6.13	78	119564	19.381	ug/l	97
41) Methacrylonitrile	5.03	41	14913	17.989	ug/l	97
42) 1,2-Dichloroethane	6.18	62	46643	18.709	ug/l	99
43) Isopropyl Acetate	6.43	43	50356	18.110	ug/l	100
44) Trichloroethene	7.20	130	33082	19.884	ug/l	94
45) 1,2-Dichloropropane	7.51	63	31921	18.331	ug/l	98
46) Dibromomethane	7.65	93	17599	17.770	ug/l	99
47) Bromodichloromethane	7.89	83	47711	17.999	ug/l	100
48) Methyl methacrylate	7.76	41	24152	18.075	ug/l	97
49) 1,4-Dioxane	7.73	88	6959	371.065	ug/l #	89
51) 4-Methyl-2-Pentanone	8.64	43	134070	92.671	ug/l	100
52) Toluene	8.78	92	78869	19.248	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	48286	18.271	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	53880	18.688	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	27703	18.431	ug/l	98
56) Ethyl methacrylate	9.17	69	36739	17.484	ug/l	97
57) 1,3-Dichloropropane	9.37	76	48915	19.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	88285	88.474	ug/l	98
59) 2-Hexanone	9.49	43	93276	90.746	ug/l	99
60) Dibromochloromethane	9.57	129	31339	17.579	ug/l	97
61) 1,2-Dibromoethane	9.67	107	26161	18.667	ug/l	96
64) Tetrachloroethene	9.33	164	26342	19.592	ug/l	97
65) Chlorobenzene	10.14	112	91996	19.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	33869	18.331	ug/l	98
67) Ethyl Benzene	10.25	91	161844	19.122	ug/l	98
68) m/p-Xylenes	10.35	106	120950	38.747	ug/l	98
69) o-Xylene	10.70	106	58029	19.053	ug/l	98
70) Styrene	10.71	104	103841	18.961	ug/l	99
71) Bromoform	10.85	173	16568	17.198	ug/l #	99
73) Isopropylbenzene	11.01	105	163178	19.300	ug/l	100
74) N-amyl acetate	10.89	43	47362	17.505	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	34055	17.920	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	37219	22.581	ug/l	89
77) Bromobenzene	11.25	156	37862	18.734	ug/l	99
78) n-propylbenzene	11.35	91	198396	19.497	ug/l	100
79) 2-Chlorotoluene	11.42	91	122457	19.280	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	147885	19.324	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9882	16.559	ug/l	95
82) 4-Chlorotoluene	11.51	91	149636	19.246	ug/l	99
83) tert-Butylbenzene	11.76	119	140680	18.960	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	151863	19.186	ug/l	99
85) sec-Butylbenzene	11.94	105	173715	19.918	ug/l	99
86) p-Isopropyltoluene	12.06	119	156400	19.341	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	75104	18.739	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	77140	19.194	ug/l	98
89) n-Butylbenzene	12.39	91	155684	20.069	ug/l	99
90) Hexachloroethane	12.59	117	27723	18.695	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	70659	18.841	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7031	18.664	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091019\
Quantitation Report (Not Reviewed)

Data File : VX012247.D
Acq On : 10 Sep 2019 10:01
Operator : SY/SP
Sample : VSTDICC020
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MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 10 11:11:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	47061	18.977	ug/l	98
94) Hexachlorobutadiene	13.78	225	24271	20.230	ug/l	98
95) Naphthalene	13.83	128	104465	19.185	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	41842	19.295	ug/l	99

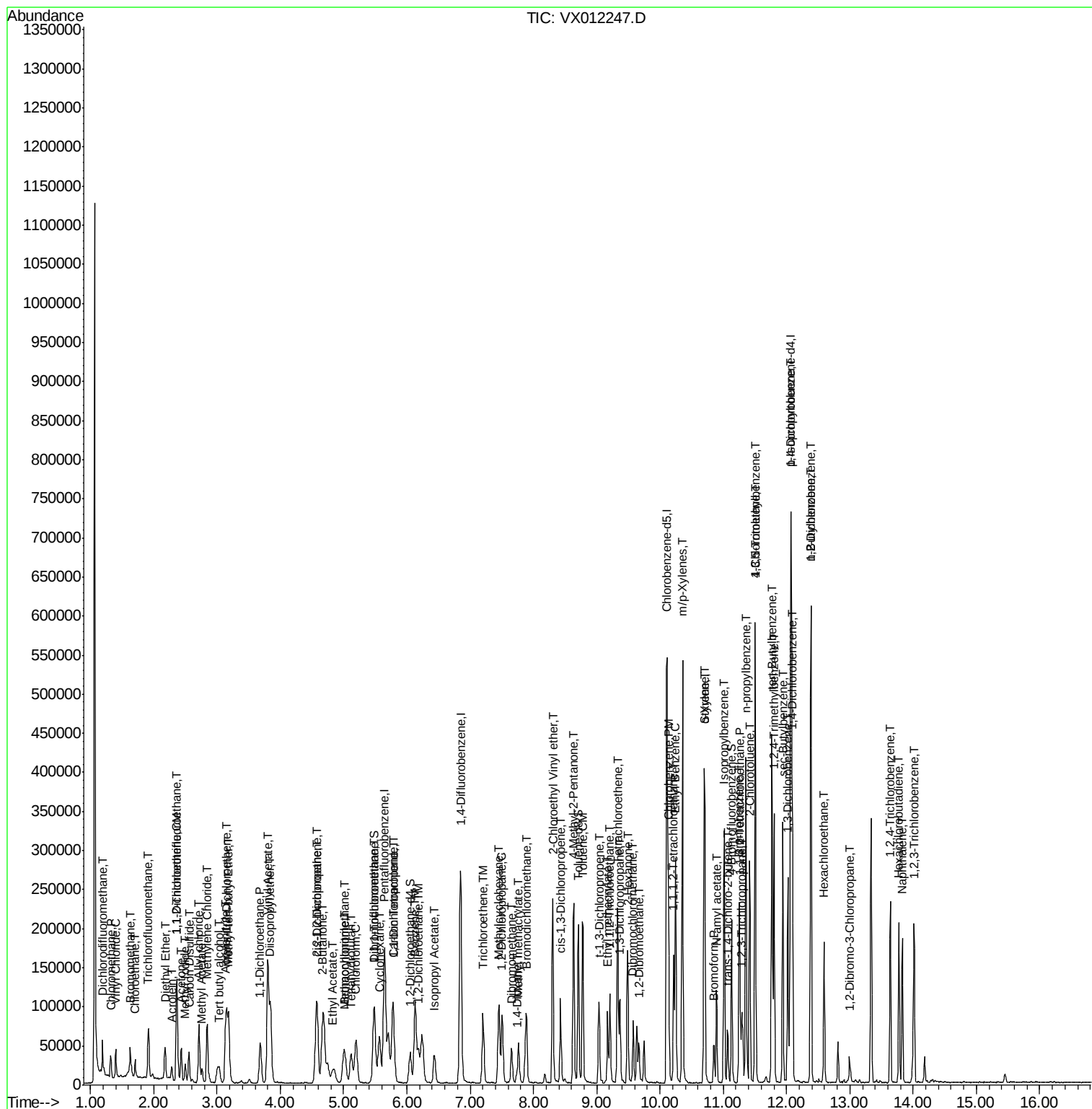
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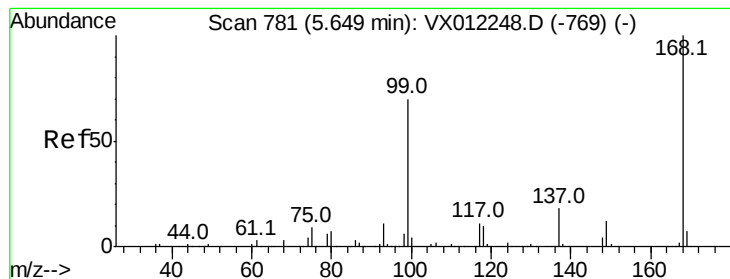
Data File : VX012247.D

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Acq On       : 10 Sep 2019   10:01
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ALS Vial     : 4      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 10 11:11:17 2019
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

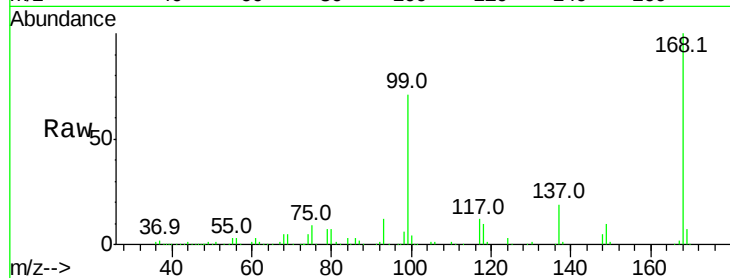
VSTDIC020

Tgt Ion:168 Resp: 146908

Ion Ratio Lower Upper

168 100

99 70.4 55.8 83.6

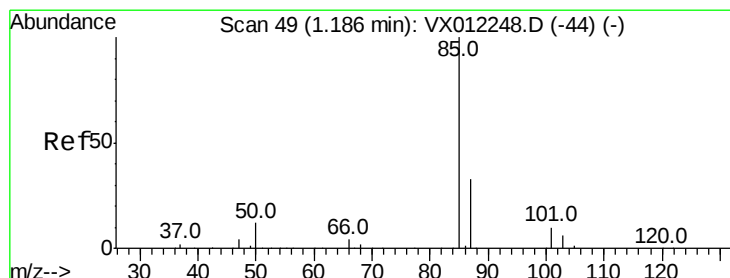
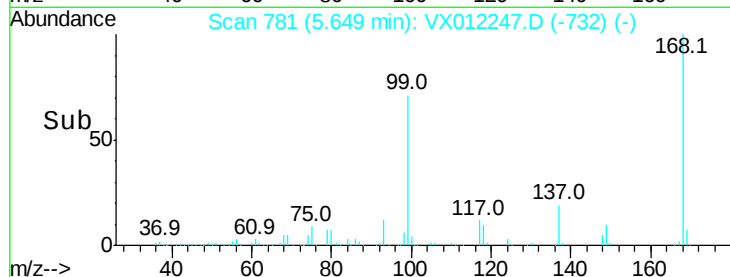


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 21.721 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012247.D

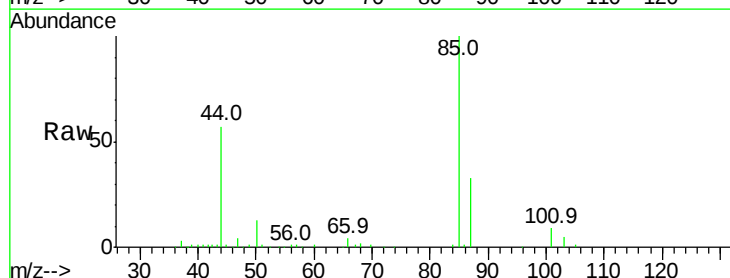
Acq: 10 Sep 2019 10:01

Tgt Ion: 85 Resp: 25509

Ion Ratio Lower Upper

85 100

87 32.8 16.7 50.0

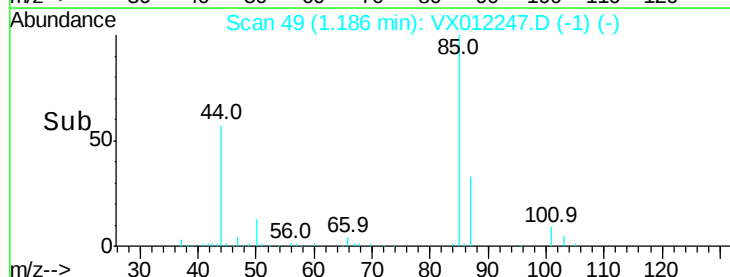


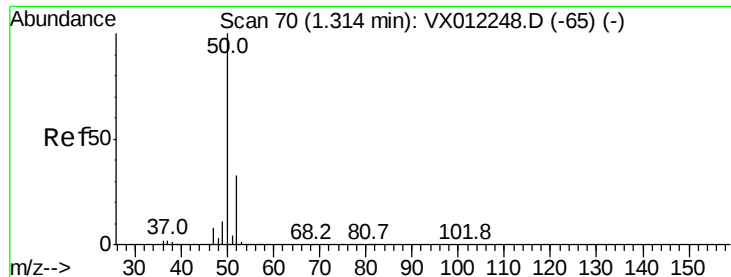
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

Time-->





#3

Chloromethane

Concen: 20.853 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

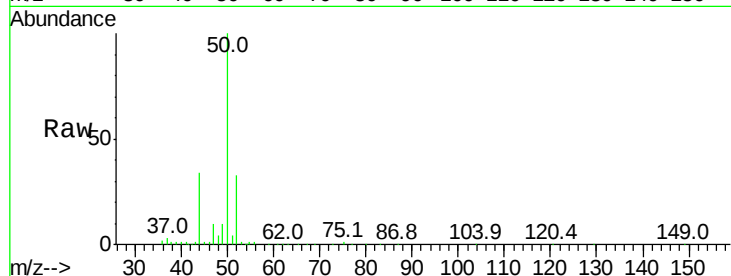
VSTDIC020

Tgt Ion: 50 Resp: 23602

Ion Ratio Lower Upper

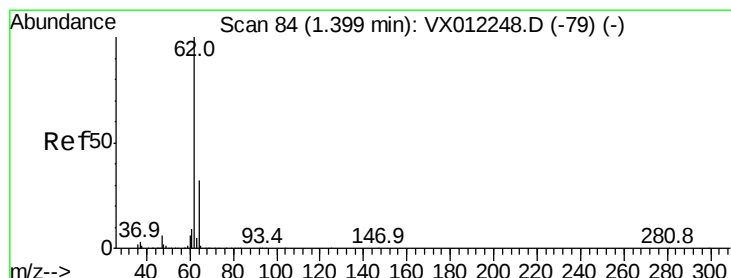
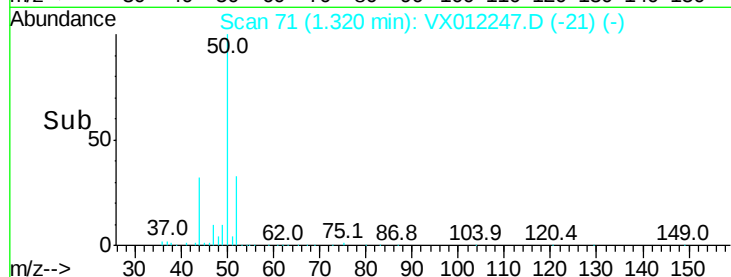
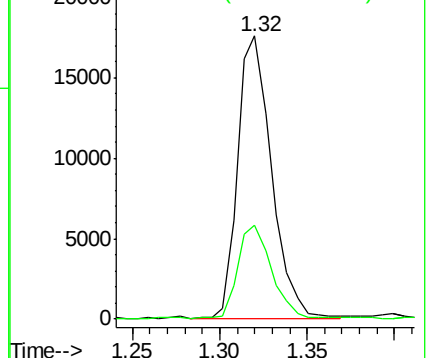
50 100

52 33.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.510 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012247.D

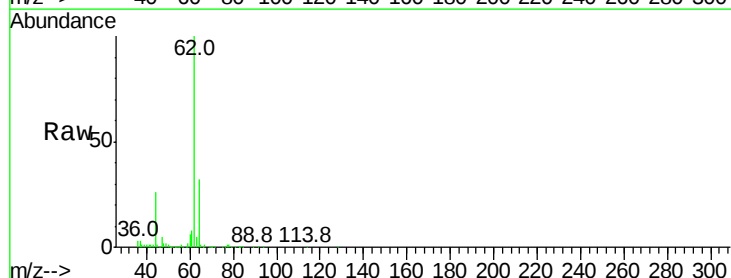
Acq: 10 Sep 2019 10:01

Tgt Ion: 62 Resp: 23316

Ion Ratio Lower Upper

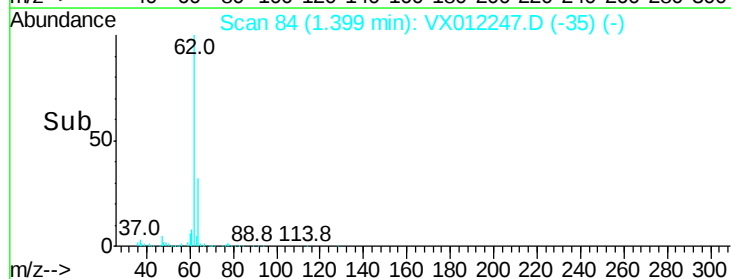
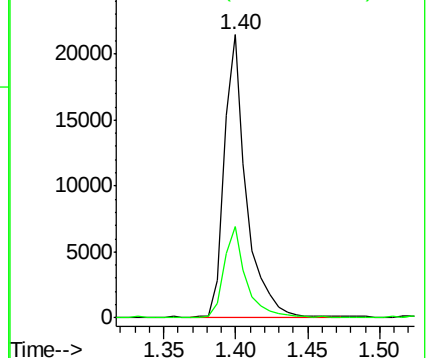
62 100

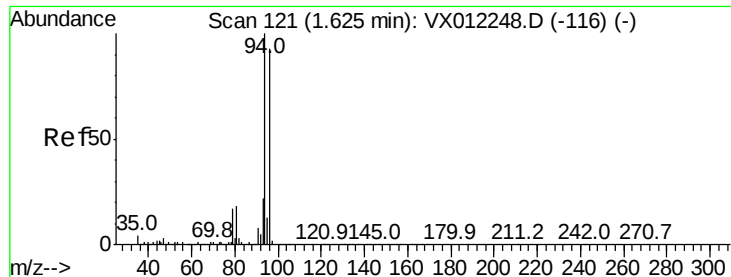
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.163 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

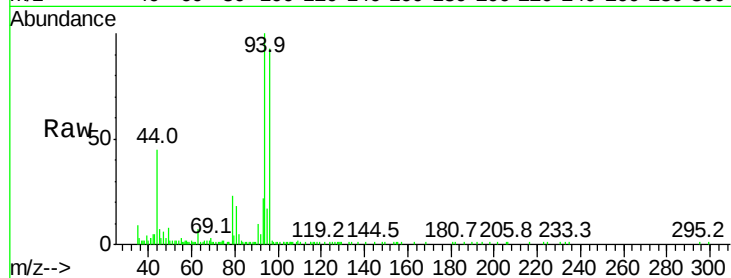
VSTDIC020

Tgt Ion: 94 Resp: 9496

Ion Ratio Lower Upper

94 100

96 93.1 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

10000

8000

6000

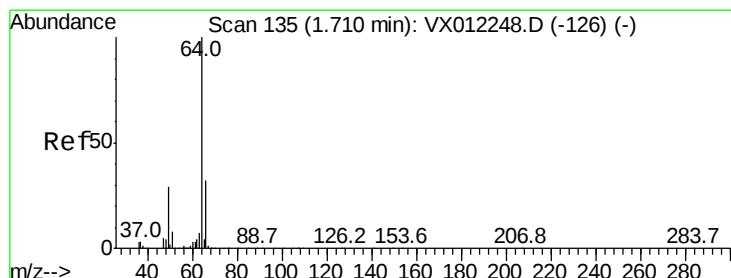
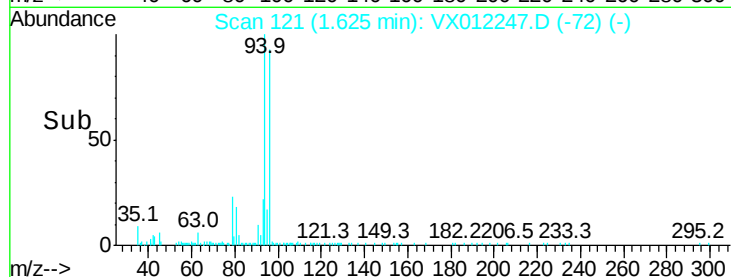
4000

2000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 20.739 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012247.D

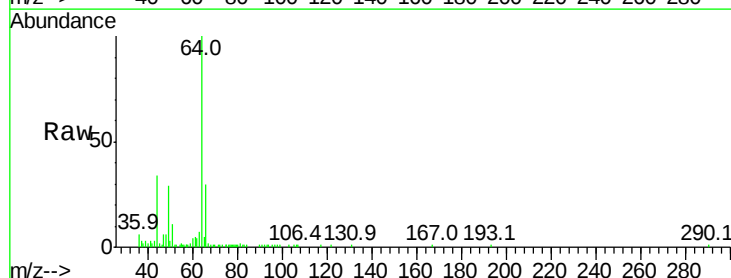
Acq: 10 Sep 2019 10:01

Tgt Ion: 64 Resp: 14113

Ion Ratio Lower Upper

64 100

66 30.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

12000

10000

8000

6000

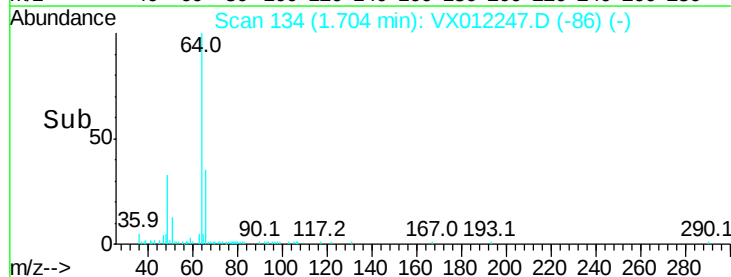
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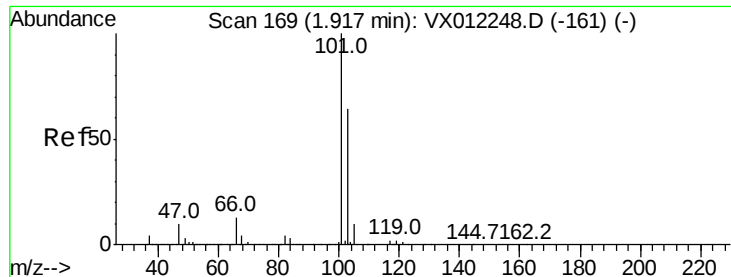
2000

0

1.65 1.70 1.75

Time-->



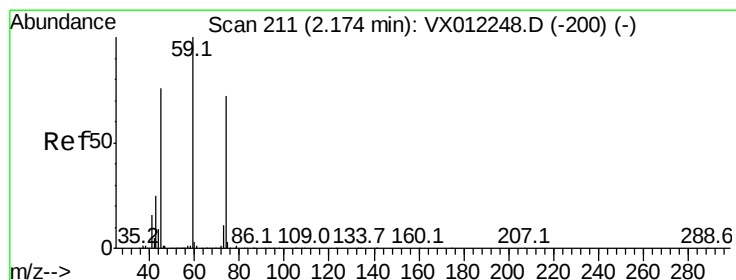
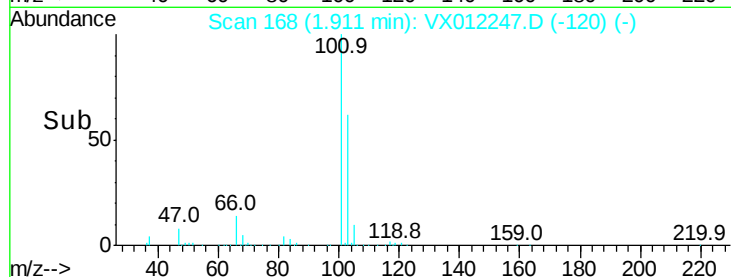
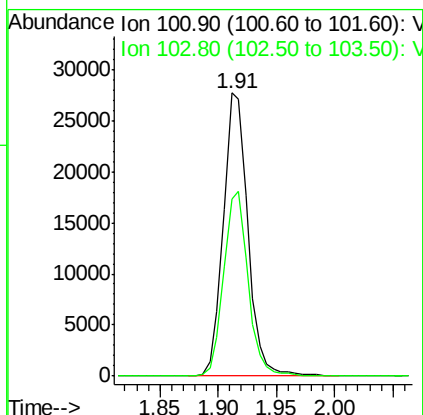
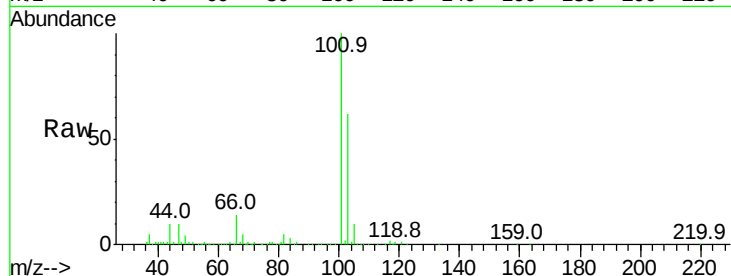


#7

Trichlorofluoromethane
Concen: 22.044 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
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VSTDIC020

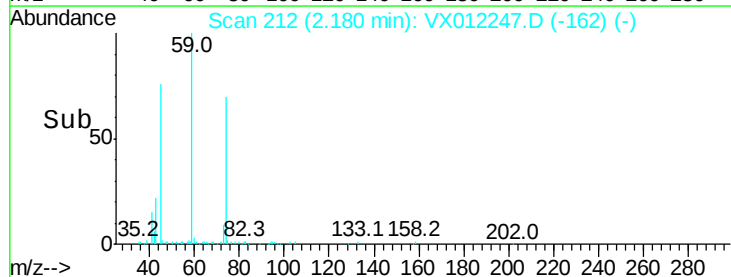
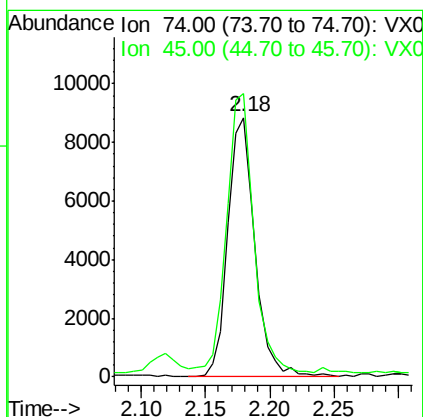
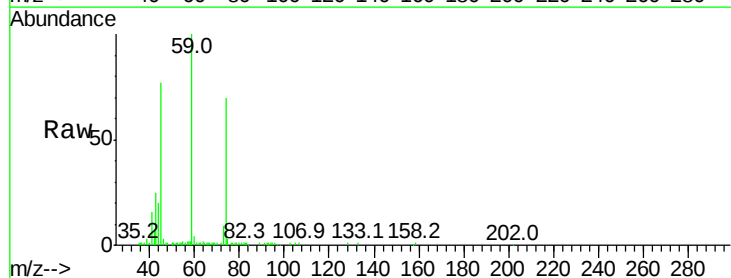
Tgt Ion:101 Resp: 40647
Ion Ratio Lower Upper
101 100
103 62.4 51.4 77.2

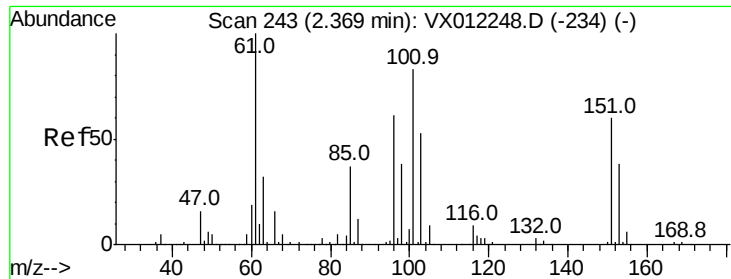


#8

Diethyl Ether
Concen: 15.978 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion: 74 Resp: 13093
Ion Ratio Lower Upper
74 100
45 107.4 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.851 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

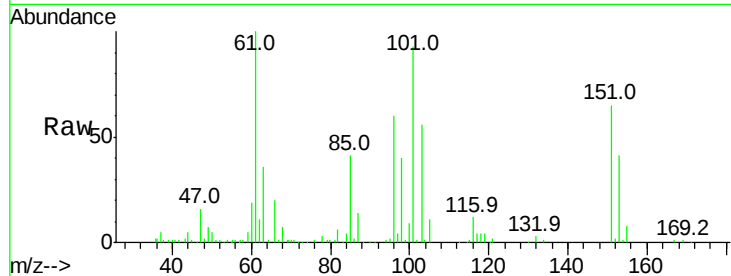
Tgt Ion:101 Resp: 28640

Ion Ratio Lower Upper

101 100

85 45.8 37.0 55.6

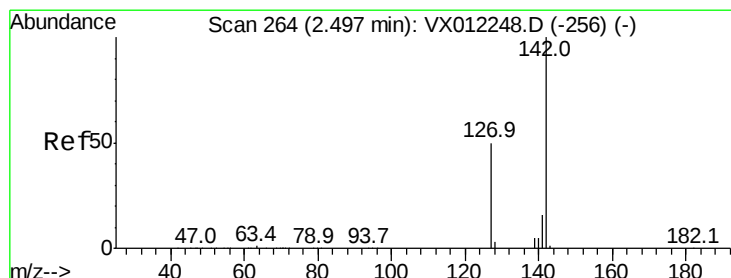
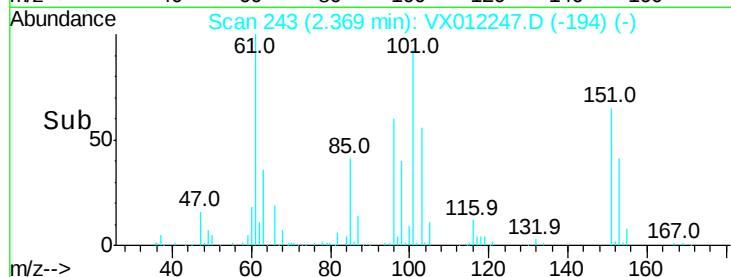
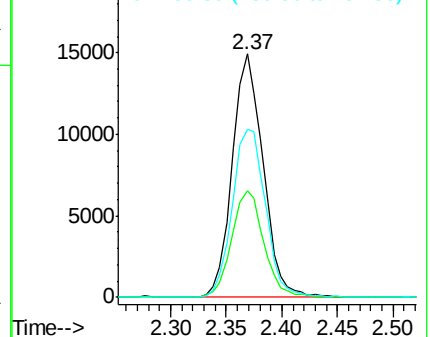
151 74.5 58.6 87.8



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: 17.789 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

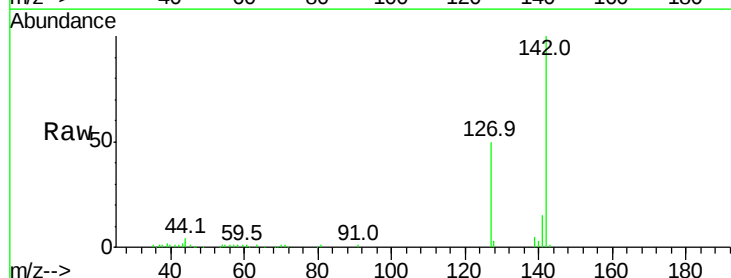
Tgt Ion:142 Resp: 23998

Ion Ratio Lower Upper

142 100

127 50.3 40.6 61.0

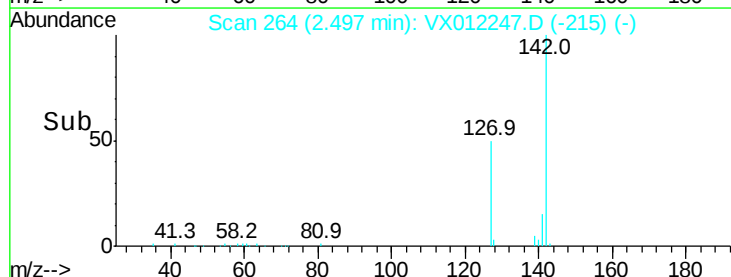
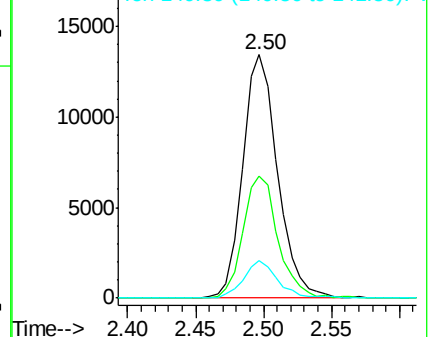
141 15.3 12.0 18.0

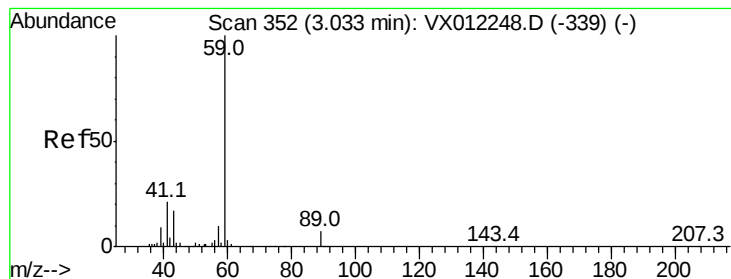


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



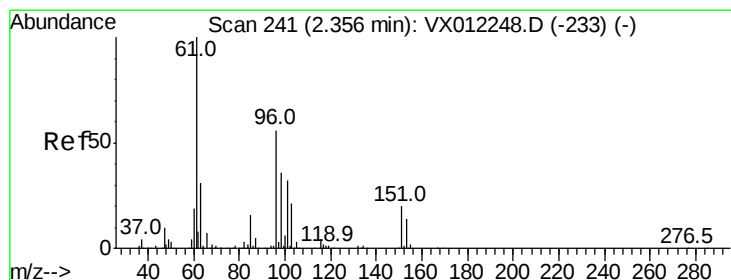
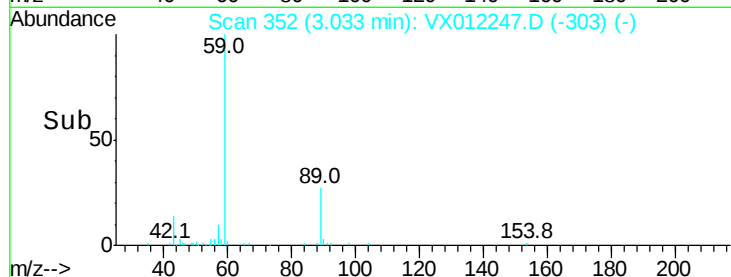
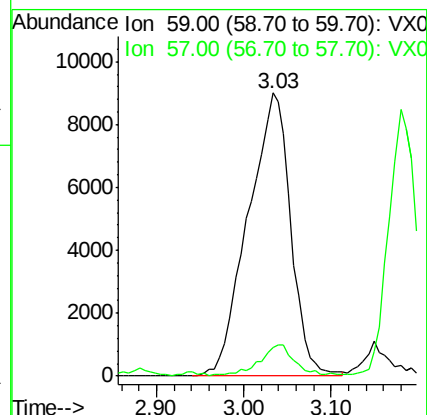
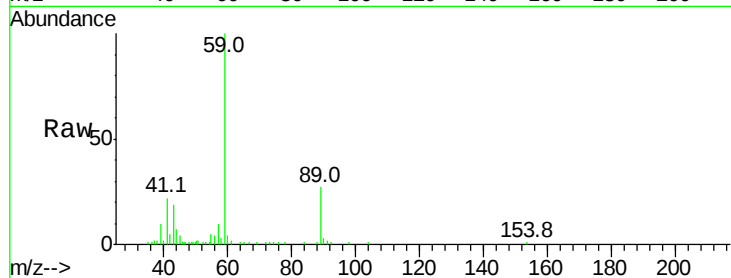


#11

Tert butyl alcohol
 Concen: 149.952 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

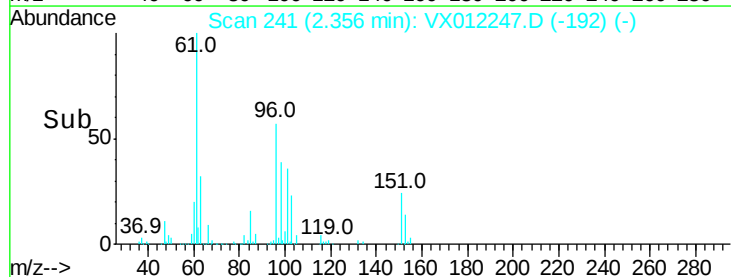
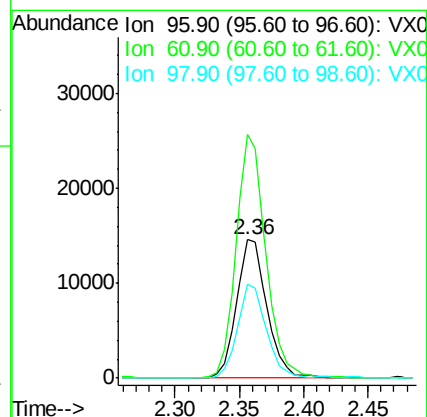
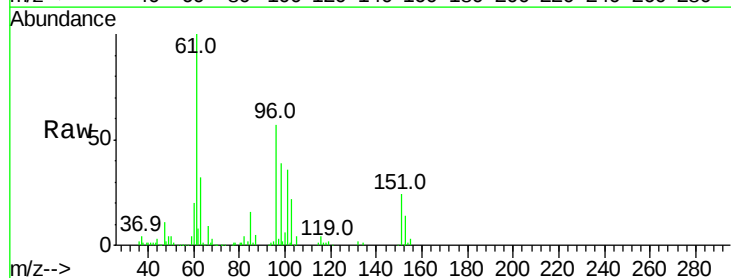
Tgt Ion: 59 Resp: 30502
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.8 11.6

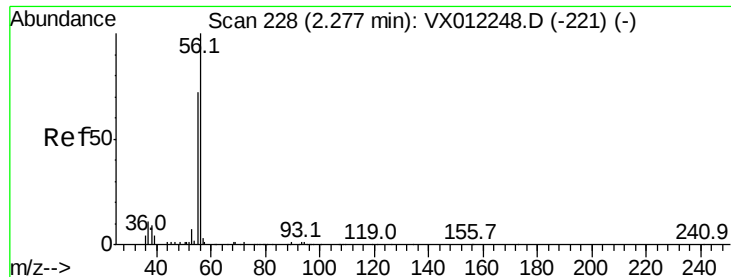


#12

1,1-Dichloroethene
 Concen: 20.678 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion: 96 Resp: 23922
 Ion Ratio Lower Upper
 96 100
 61 175.4 142.2 213.2
 98 68.1 51.3 76.9





#13

Acrolein

Concen: 89.136 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

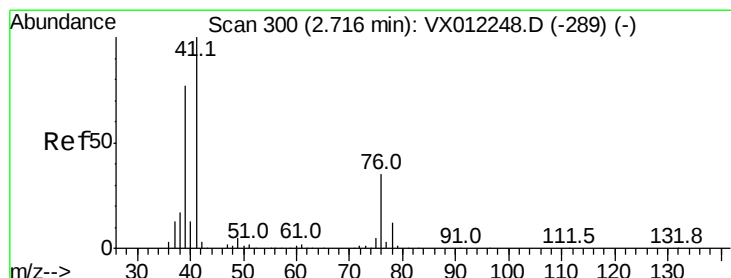
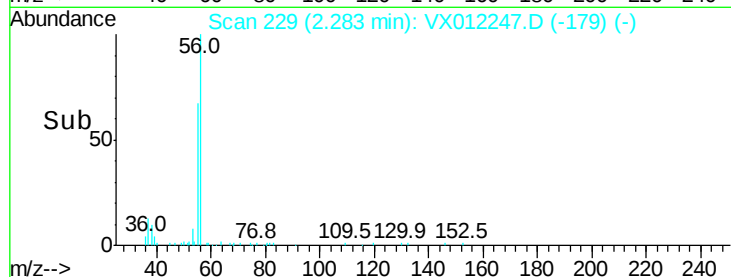
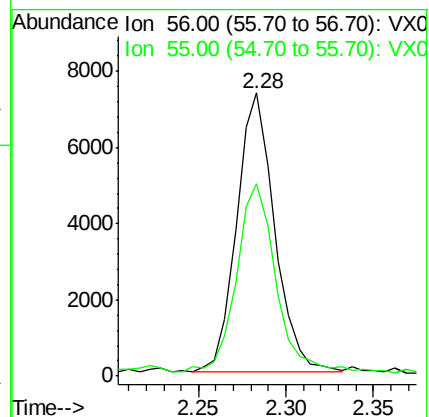
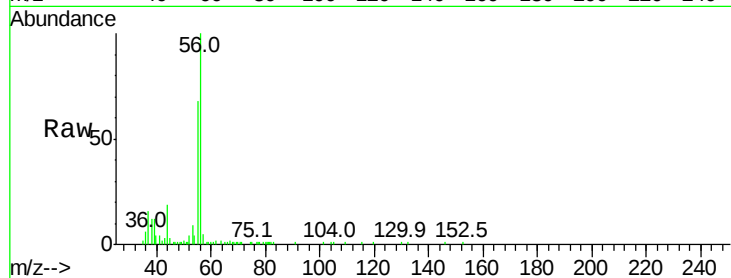
VSTDIC020

Tgt Ion: 56 Resp: 10992

Ion Ratio Lower Upper

56 100

55 71.4 59.8 89.6



#14

Allyl chloride

Concen: 19.757 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

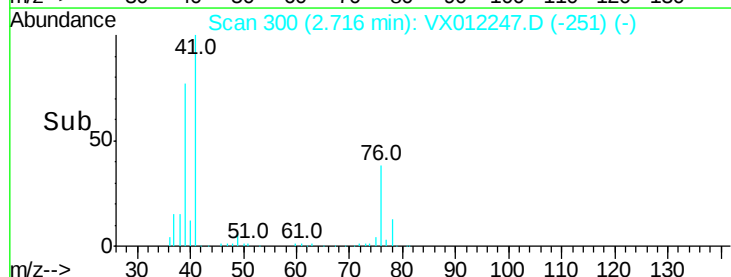
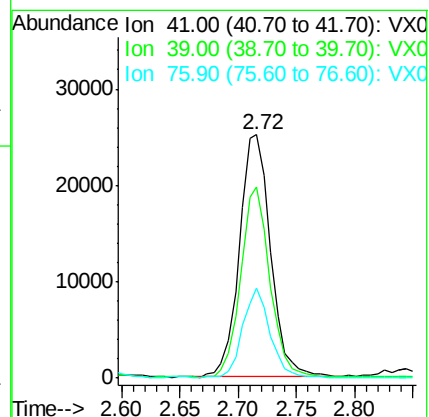
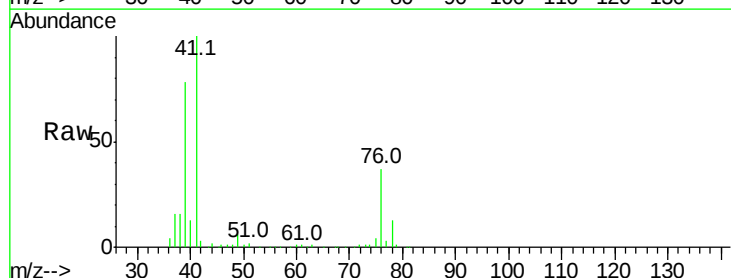
Tgt Ion: 41 Resp: 47170

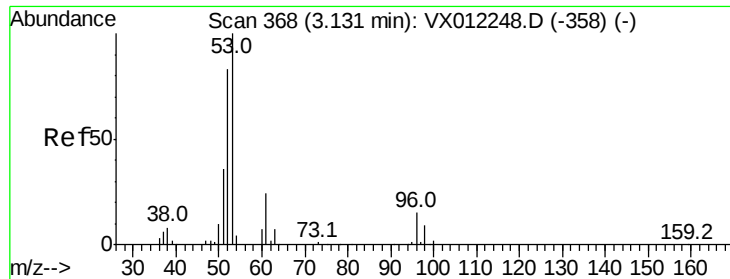
Ion Ratio Lower Upper

41 100

39 73.2 58.6 87.8

76 33.0 26.3 39.5





#15

Acrylonitrile

Concen: 91.431 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

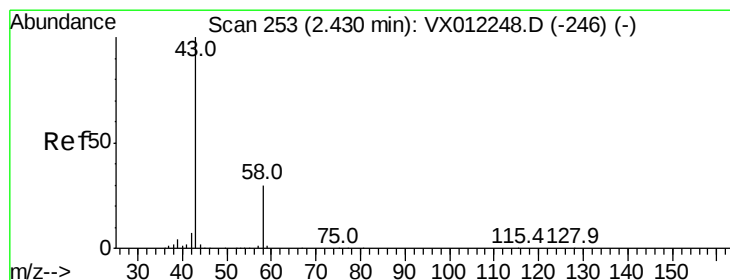
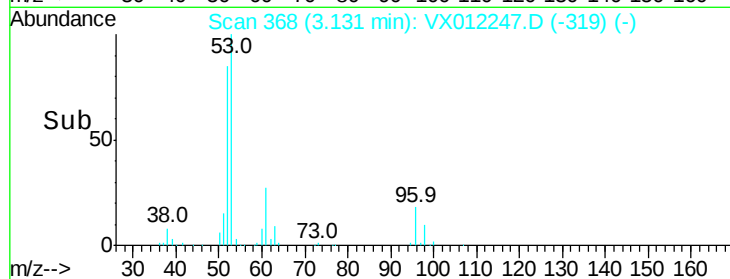
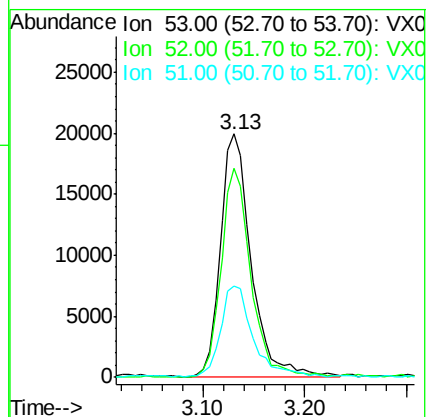
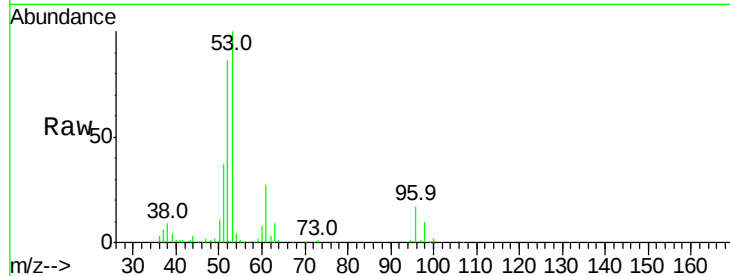
Tgt Ion: 53 Resp: 41406

Ion Ratio Lower Upper

53 100

52 84.2 66.8 100.2

51 39.4 30.7 46.1



#16

Acetone

Concen: 98.338 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012247.D

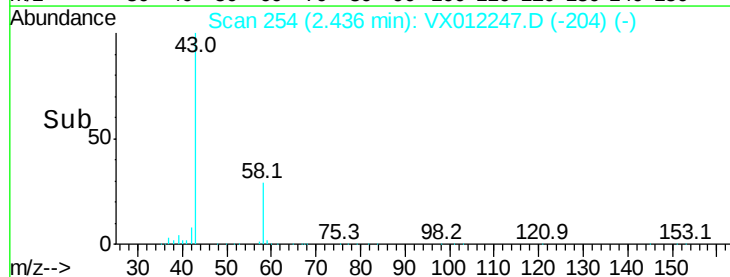
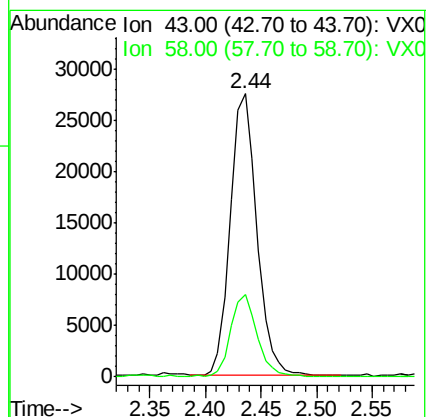
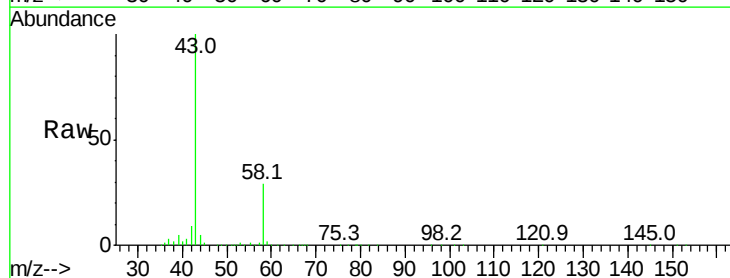
Acq: 10 Sep 2019 10:01

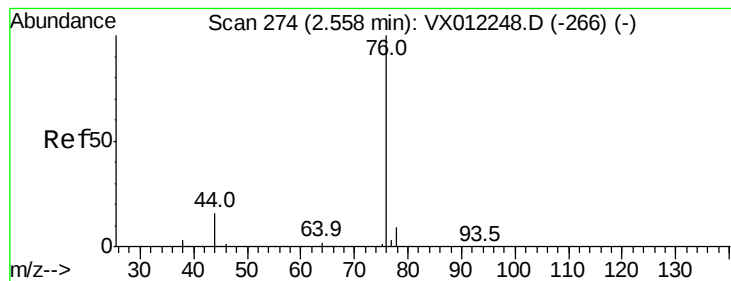
Tgt Ion: 43 Resp: 45470

Ion Ratio Lower Upper

43 100

58 29.0 23.6 35.4





#17

Carbon Disulfide

Concen: 20.232 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

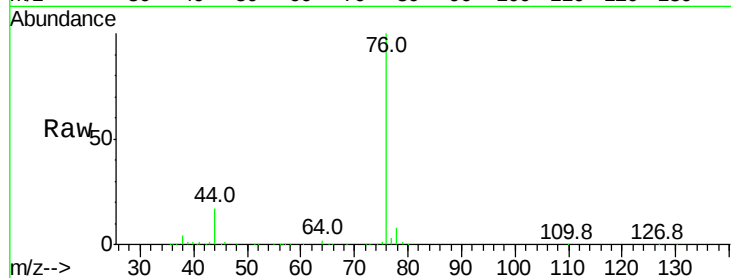
VSTDIC020

Tgt Ion: 76 Resp: 48172

Ion Ratio Lower Upper

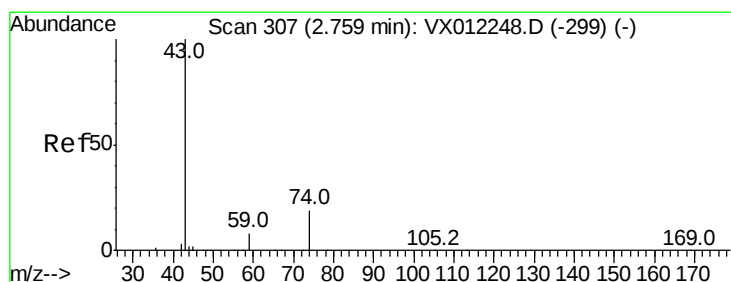
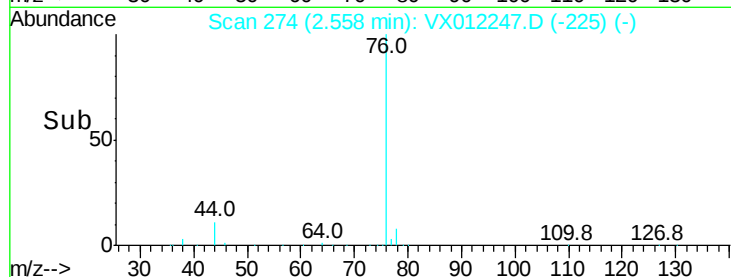
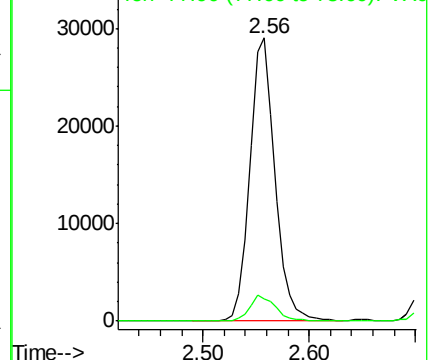
76 100

78 8.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.010 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012247.D

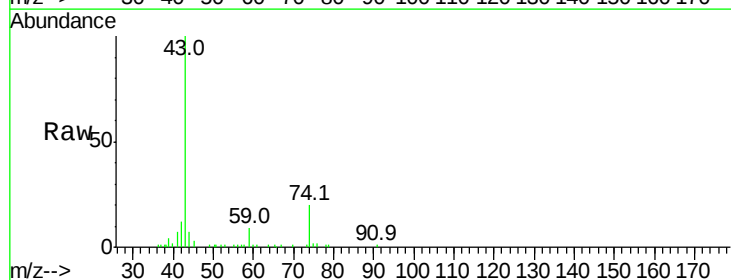
Acq: 10 Sep 2019 10:01

Tgt Ion: 43 Resp: 19986

Ion Ratio Lower Upper

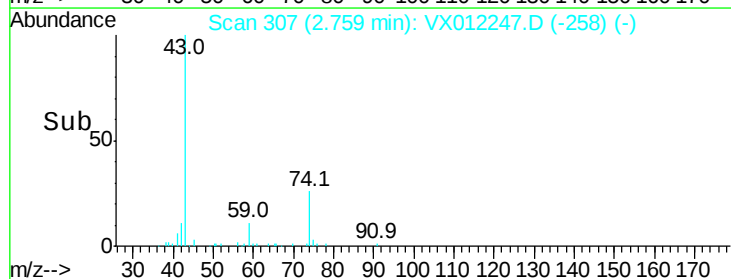
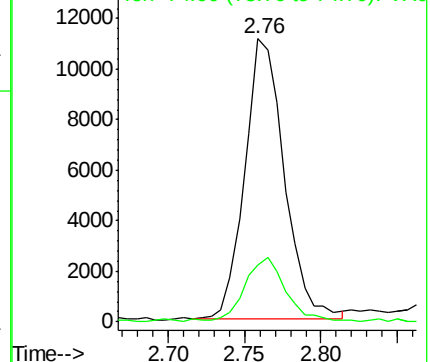
43 100

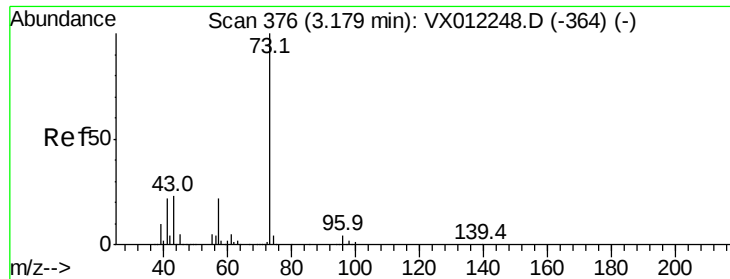
74 24.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

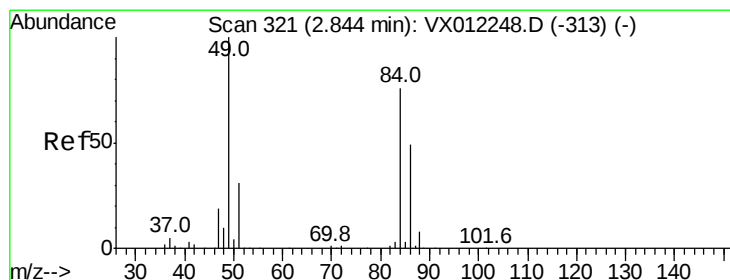
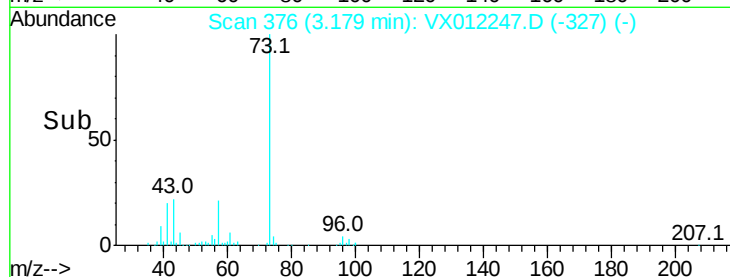
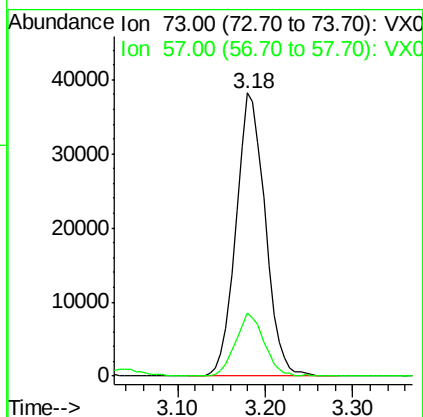
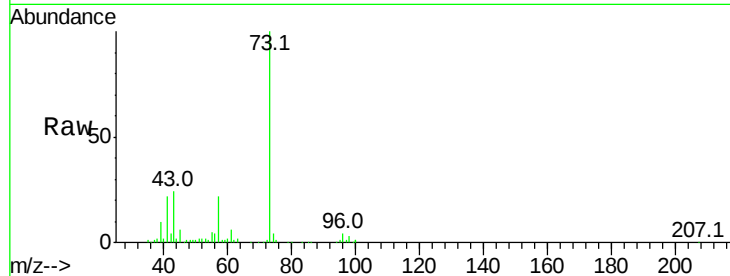




#19
Methyl tert-butyl Ether
Concen: 18.608 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

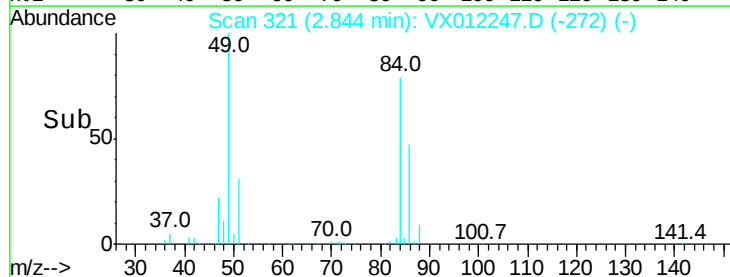
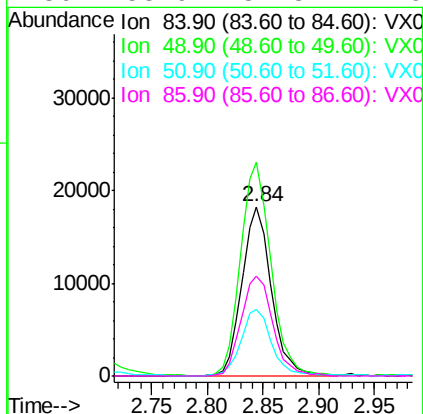
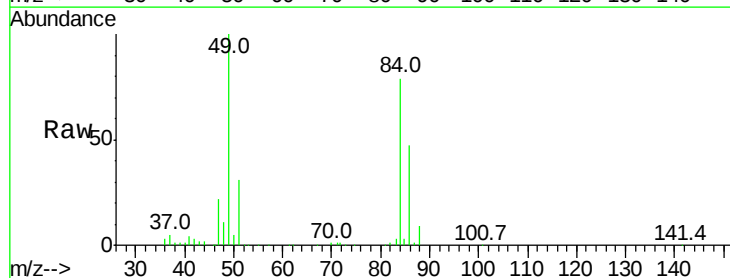
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

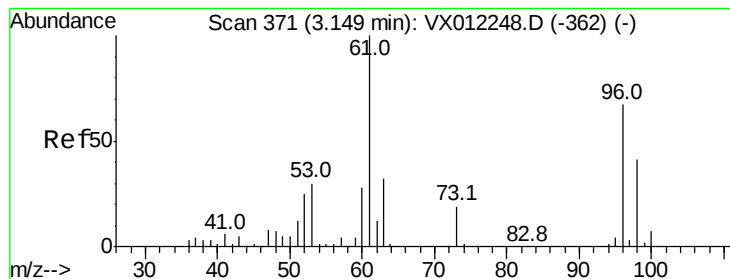
Tgt Ion: 73 Resp: 88551
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5



#20
Methylene Chloride
Concen: 17.277 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion: 84 Resp: 33521
Ion Ratio Lower Upper
84 100
49 125.7 105.0 157.6
51 38.7 32.6 48.8
86 58.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.704 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

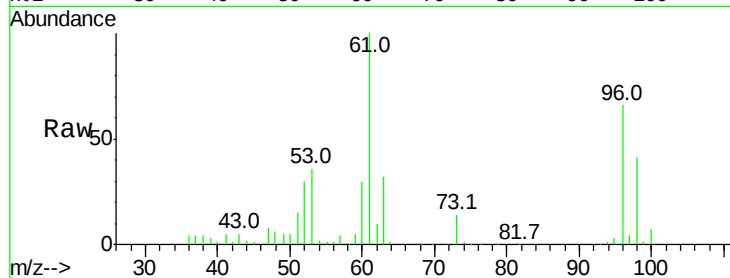
Tgt Ion: 96 Resp: 27592

Ion Ratio Lower Upper

96 100

61 151.1 119.4 179.2

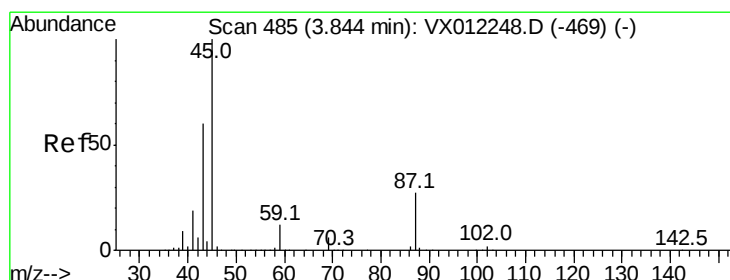
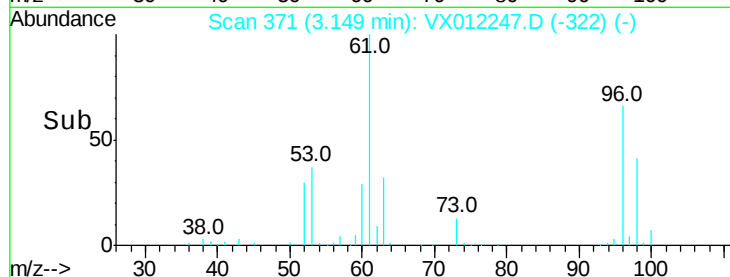
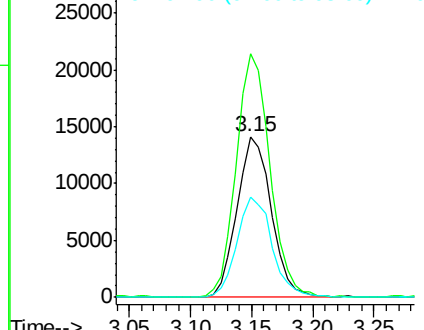
98 62.1 48.4 72.6



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



#22

Diisopropyl ether

Concen: 19.108 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion: 45 Resp: 106363

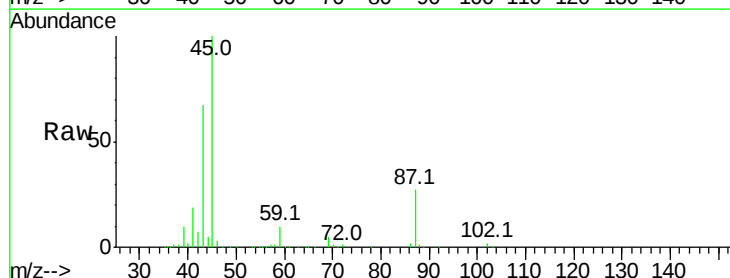
Ion Ratio Lower Upper

45 100

43 66.8 48.3 72.5

87 27.2 21.8 32.8

59 10.3 9.1 13.7

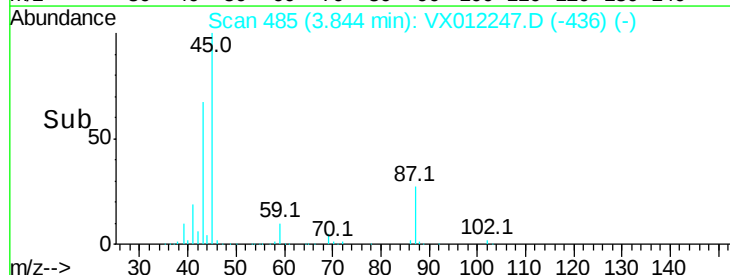
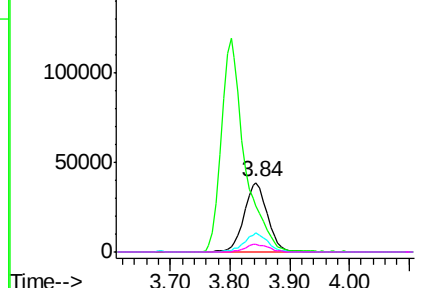


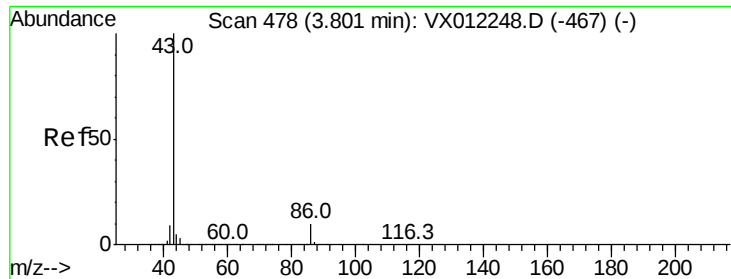
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 95.346 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

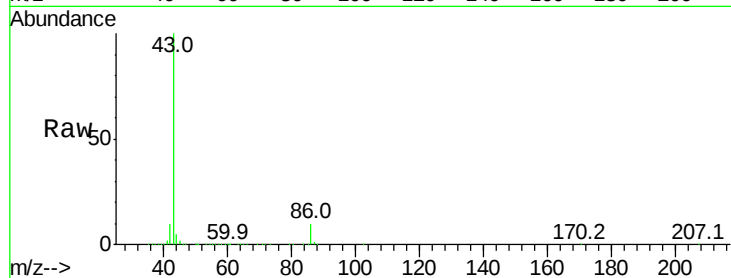
VSTDIC020

Tgt Ion: 43 Resp: 324019

Ion Ratio Lower Upper

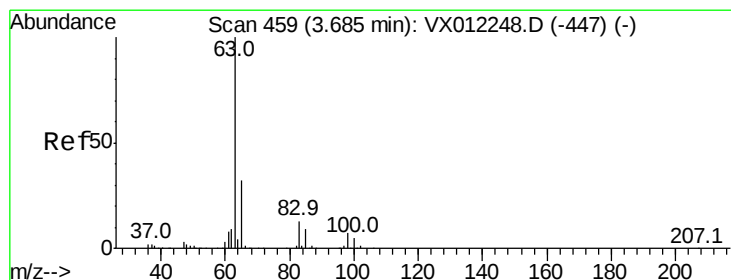
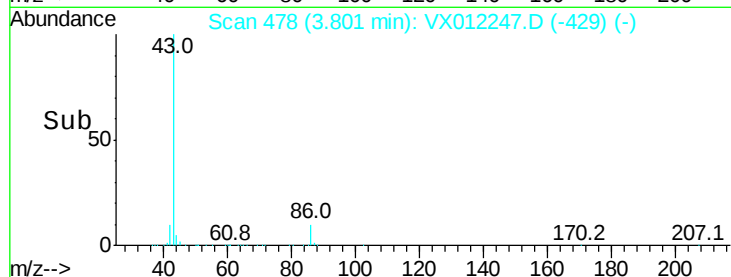
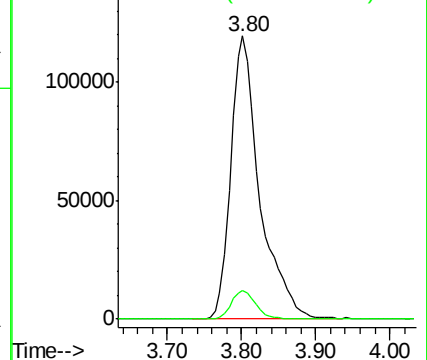
43 100

86 10.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.433 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

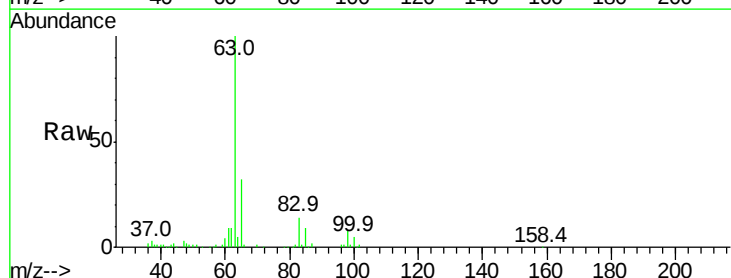
Tgt Ion: 63 Resp: 57741

Ion Ratio Lower Upper

63 100

98 8.3 3.4 10.1

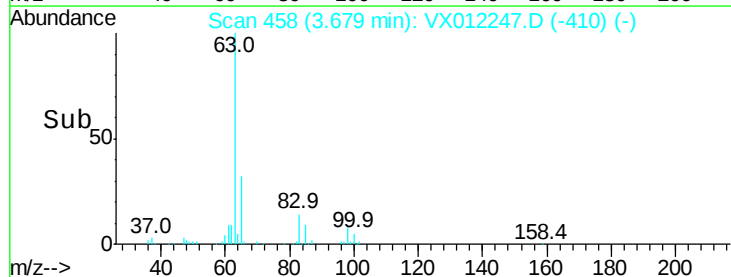
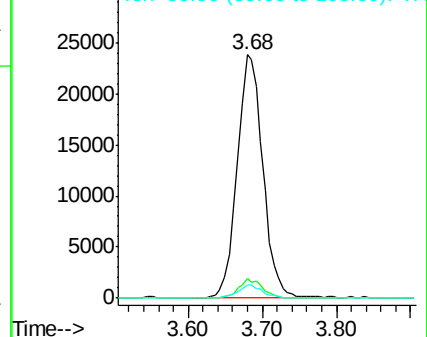
100 5.2 2.4 7.2

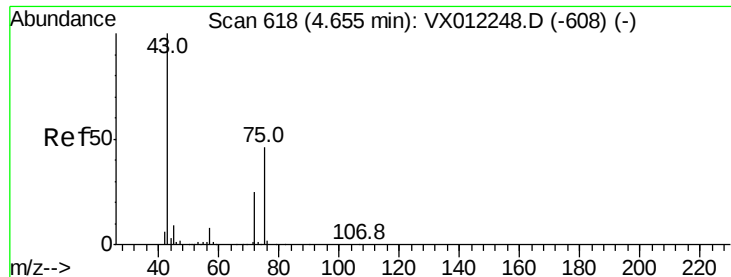


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 97.071 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

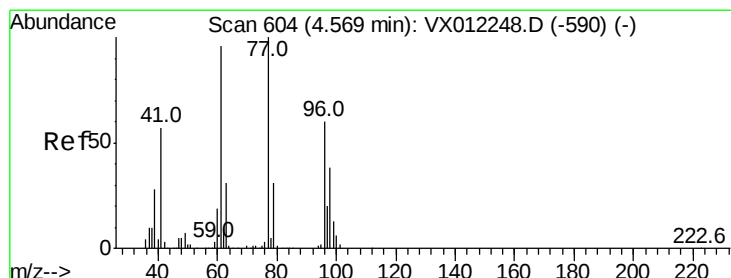
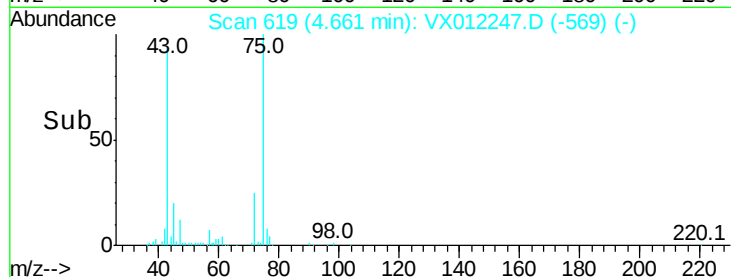
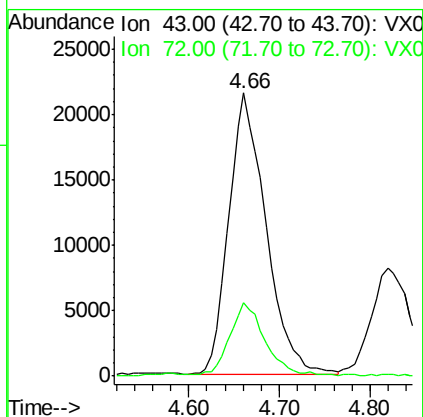
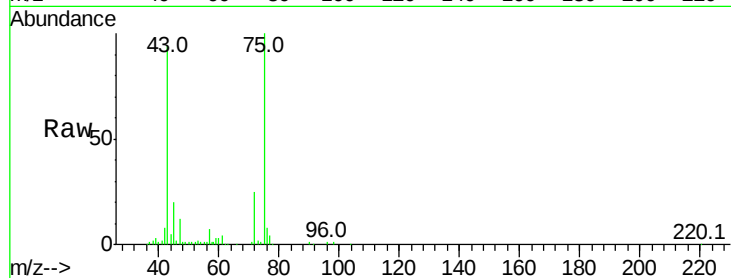
VSTDIC020

Tgt Ion: 43 Resp: 61535

Ion Ratio Lower Upper

43 100

72 25.9 20.2 30.2



#26

2,2-Dichloropropane

Concen: 19.683 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012247.D

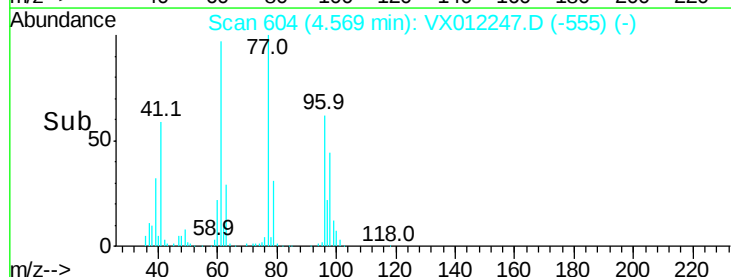
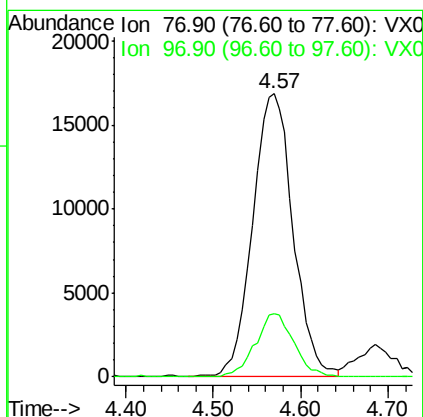
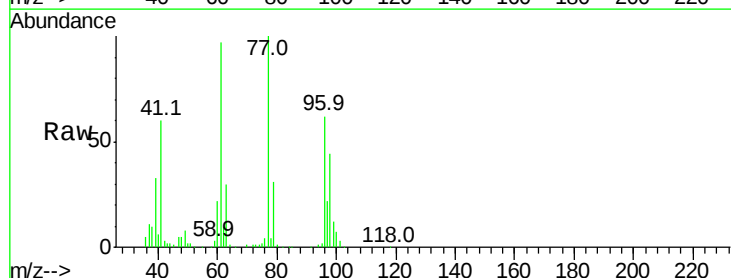
Acq: 10 Sep 2019 10:01

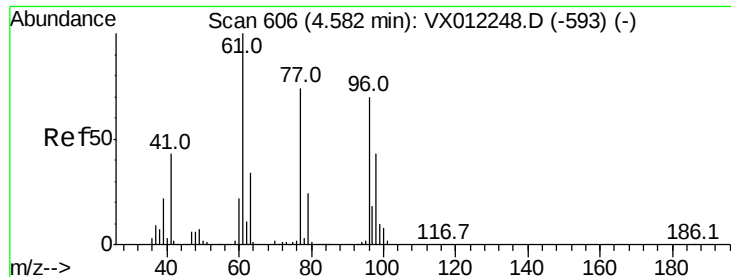
Tgt Ion: 77 Resp: 54239

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1



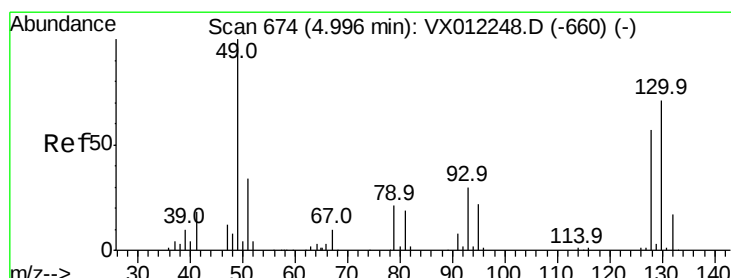
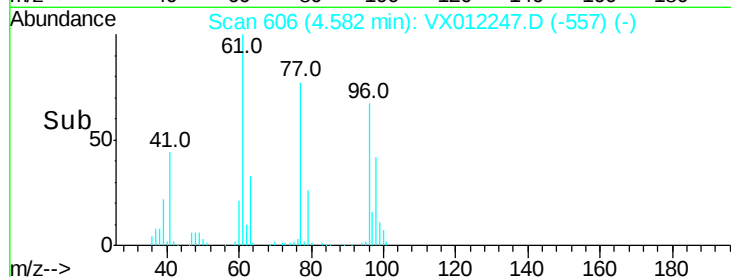
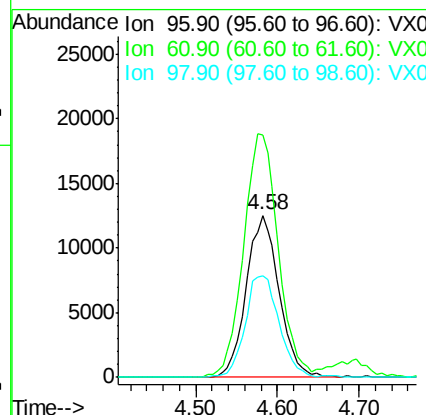
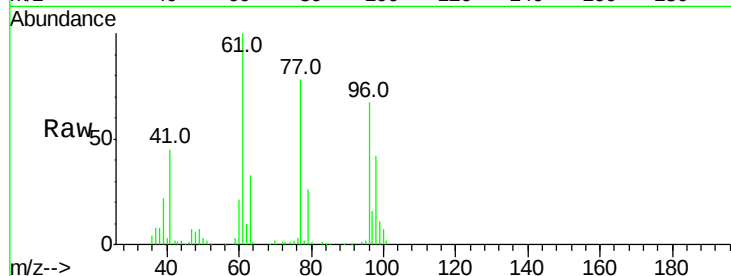


#27

cis-1,2-Dichloroethene
Concen: 19.074 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

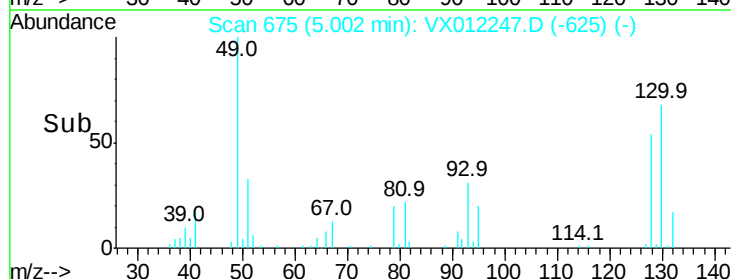
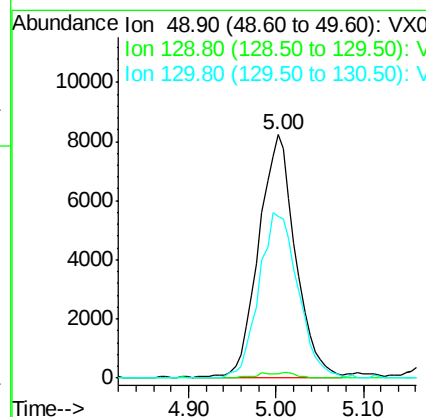
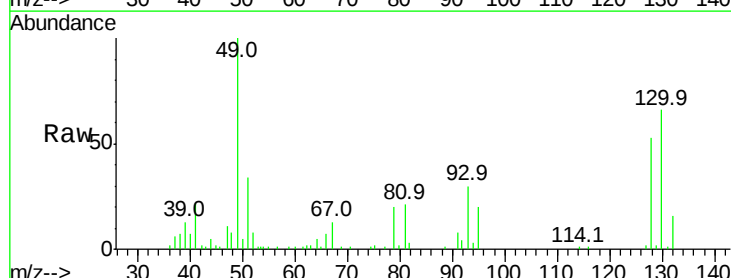
Tgt Ion: 96 Resp: 35191
Ion Ratio Lower Upper
96 100
61 157.4 0.0 310.4
98 64.0 0.0 128.8

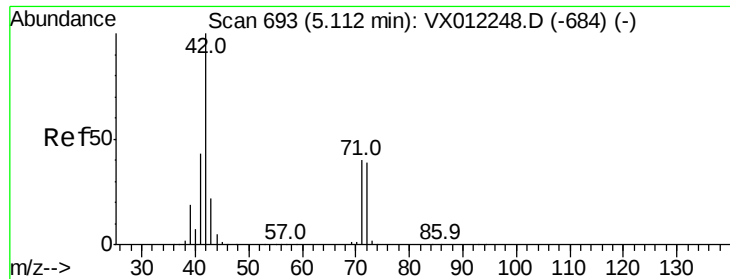


#28

Bromochloromethane
Concen: 17.774 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion: 49 Resp: 24222
Ion Ratio Lower Upper
49 100
129 2.3 0.0 5.2
130 71.8 60.1 90.1





#29

Tetrahydrofuran

Concen: 90.461 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

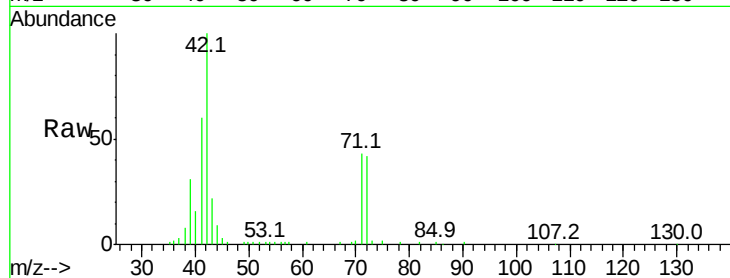
Tgt Ion: 42 Resp: 34779

Ion Ratio Lower Upper

42 100

72 44.4 35.2 52.8

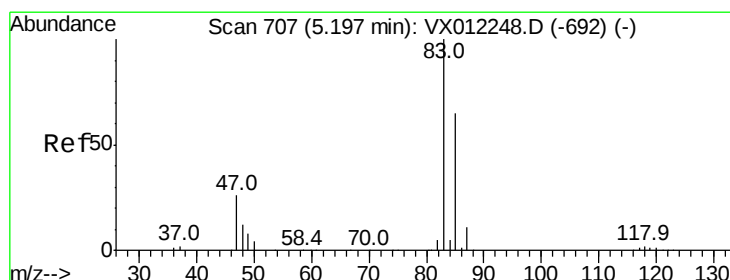
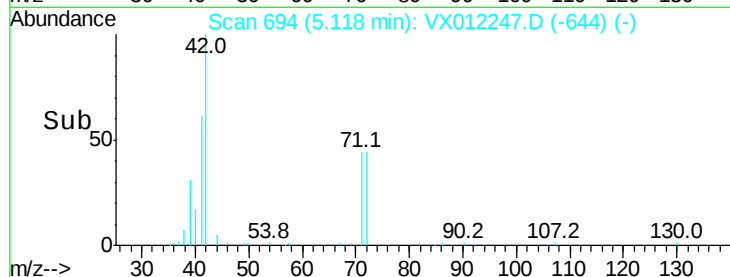
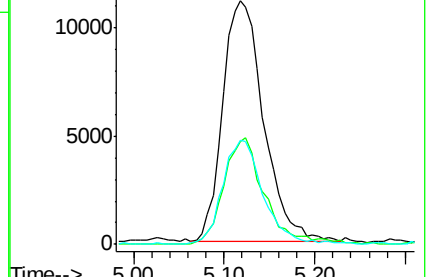
71 43.2 32.5 48.7



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: 18.741 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX012247.D

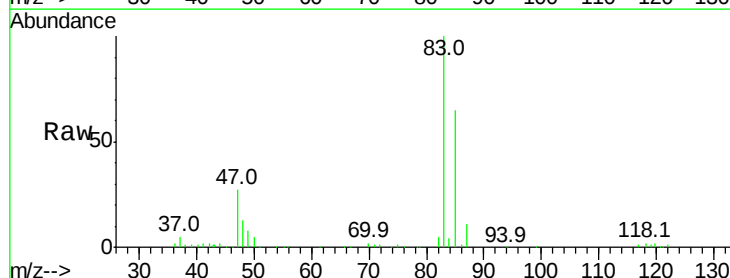
Acq: 10 Sep 2019 10:01

Tgt Ion: 83 Resp: 63714

Ion Ratio Lower Upper

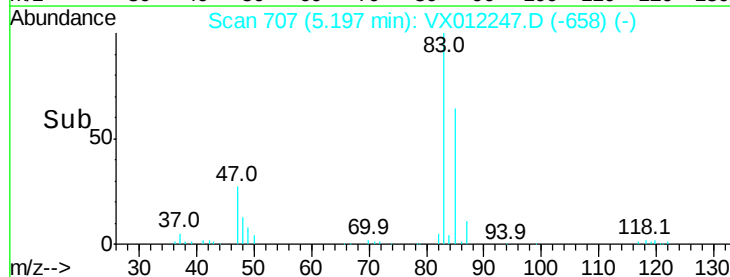
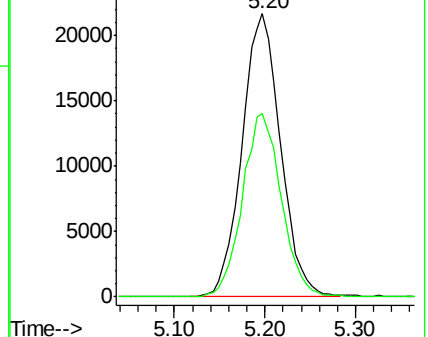
83 100

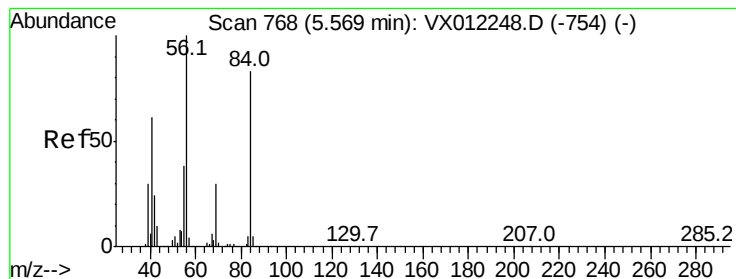
85 64.5 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 20.035 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

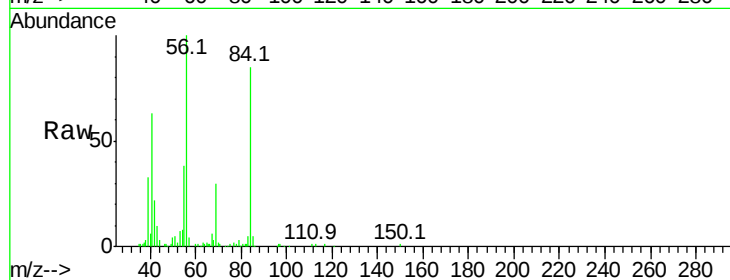
Tgt Ion: 56 Resp: 40036

Ion Ratio Lower Upper

56 100

69 29.5 23.8 35.6

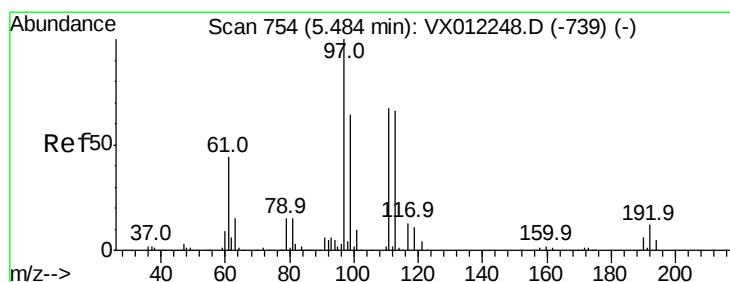
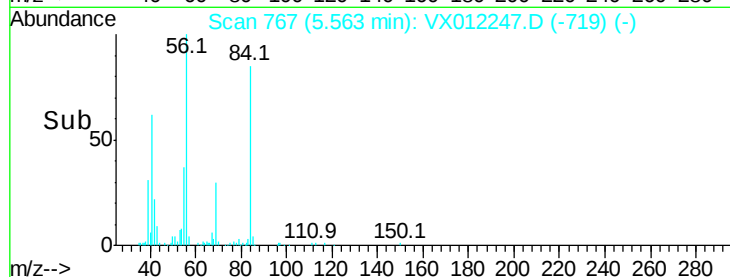
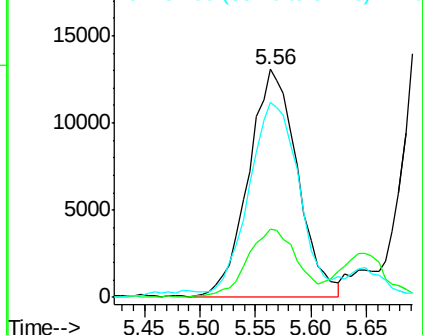
84 82.6 66.6 100.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.734 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

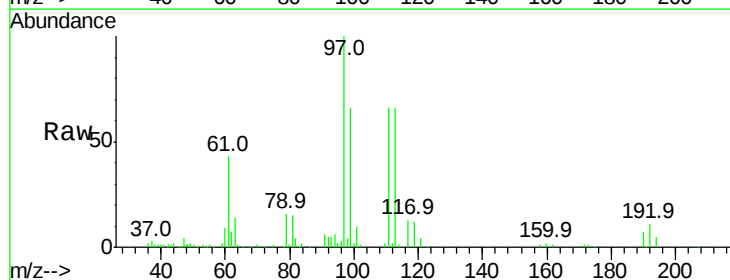
Tgt Ion: 97 Resp: 55566

Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

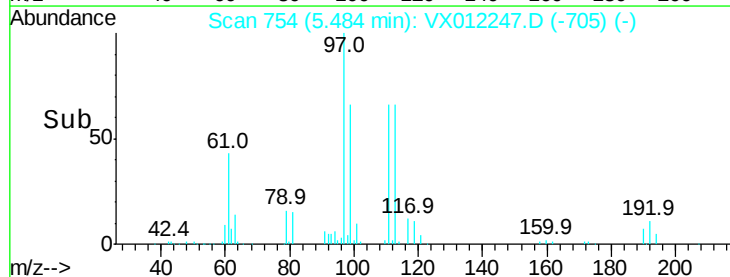
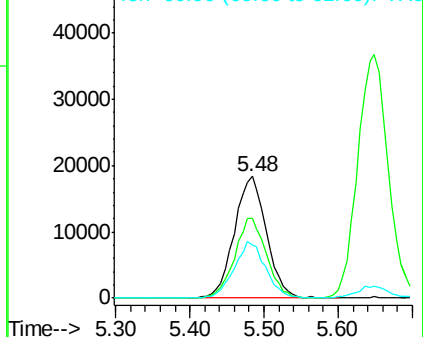
61 45.4 35.4 53.0

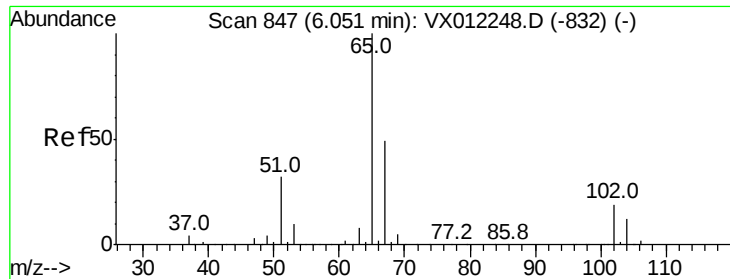


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 19.350 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

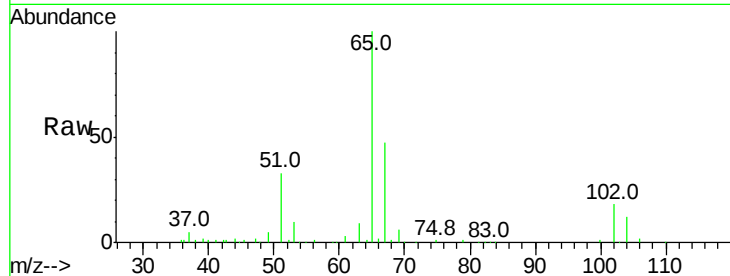
VSTDIC020

Tgt Ion: 65 Resp: 42334

Ion Ratio Lower Upper

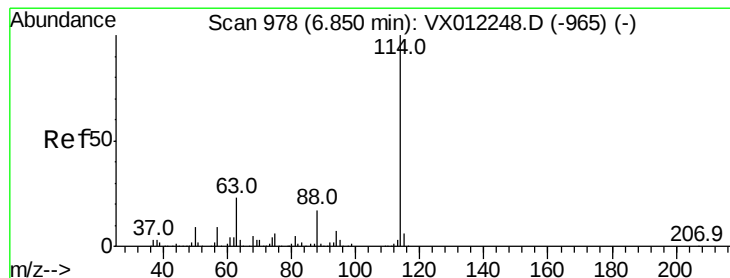
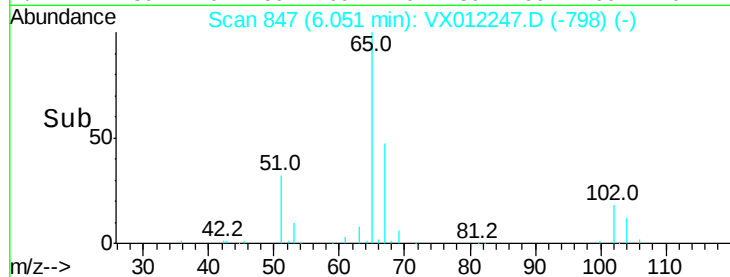
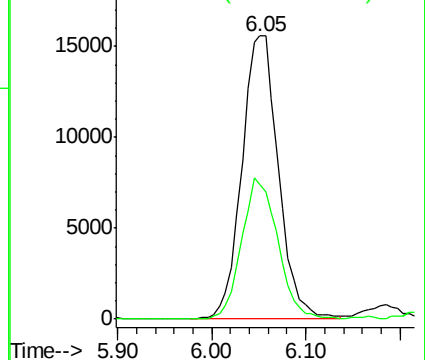
65 100

67 49.4 0.0 99.8



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: VX012247.D

Acq: 10 Sep 2019 10:01

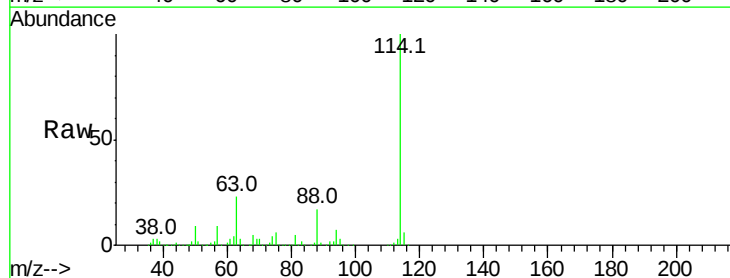
Tgt Ion: 114 Resp: 264281

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.2

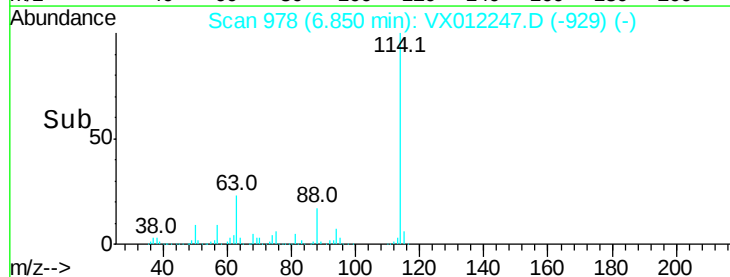
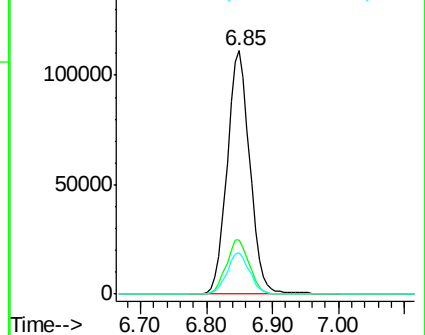
88 16.9 0.0 34.8

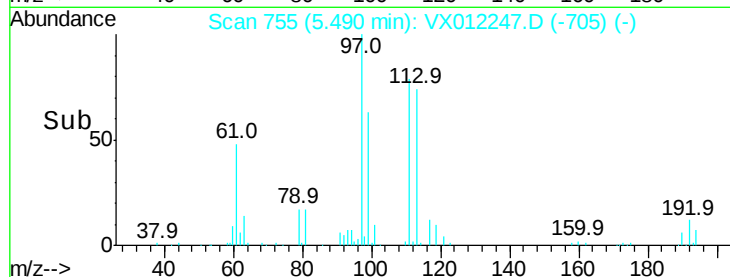
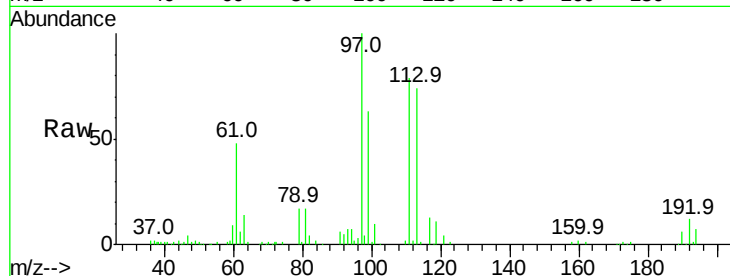
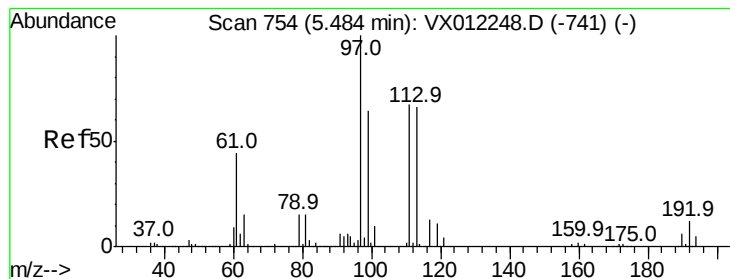


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 19.906 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

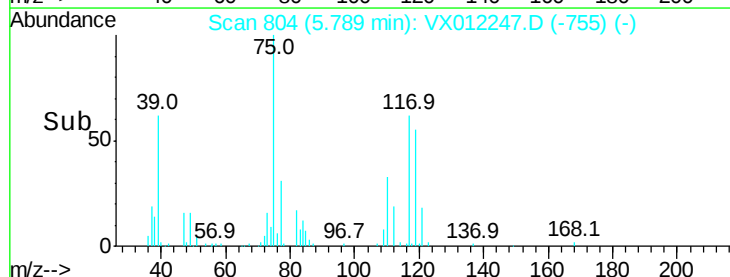
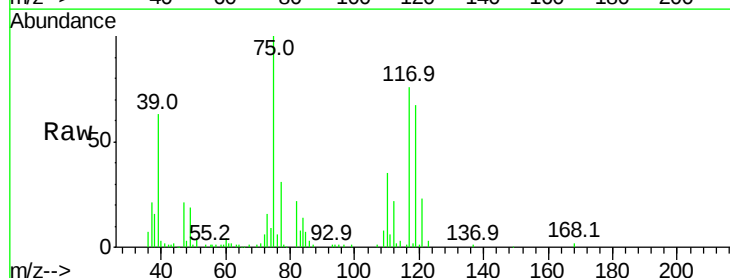
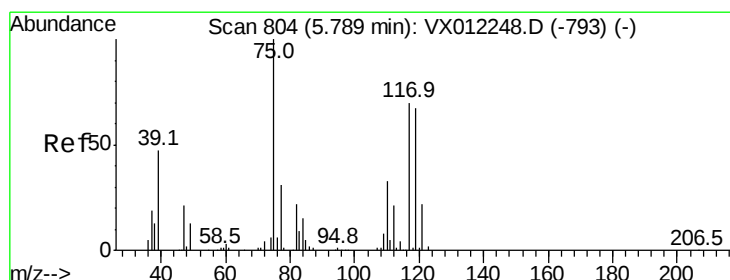
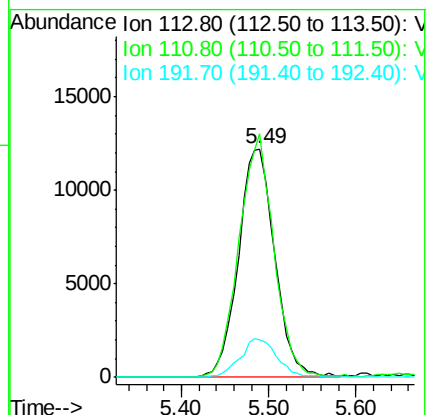
Tgt Ion:113 Resp: 35255

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

192 17.1 14.3 21.5



#36

1,1-Dichloropropene

Concen: 19.603 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

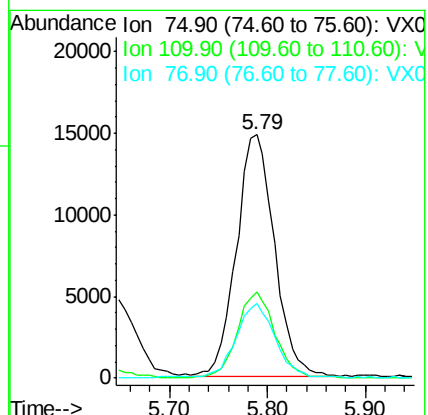
Tgt Ion: 75 Resp: 39861

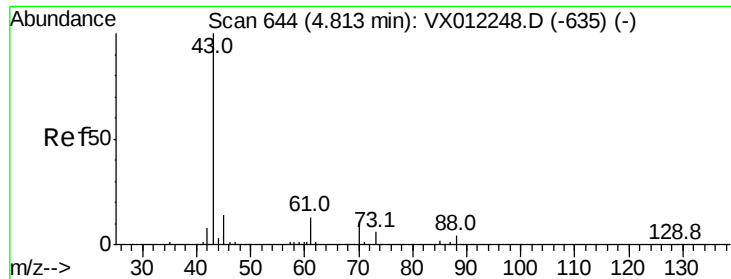
Ion Ratio Lower Upper

75 100

110 35.5 16.8 50.4

77 32.9 24.5 36.7

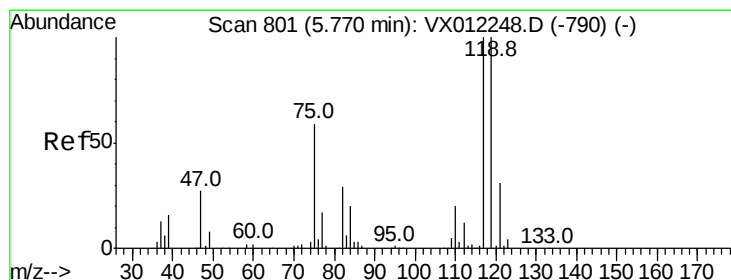
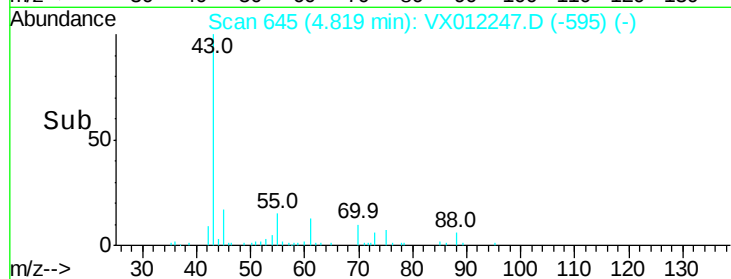
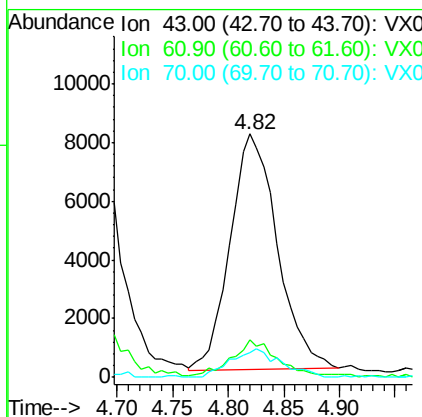
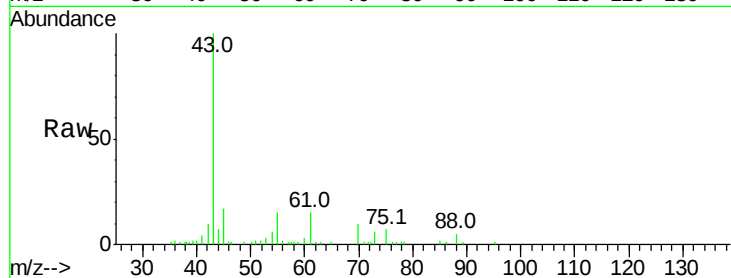




#37
 Ethyl Acetate
 Concen: 17.724 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

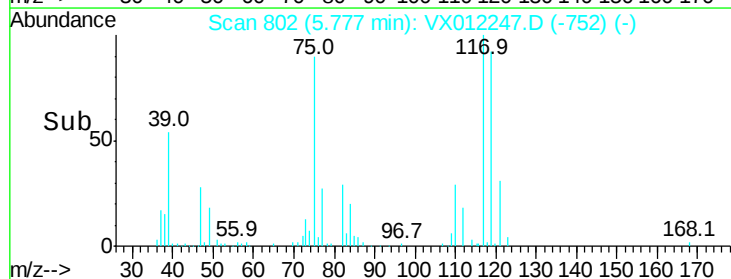
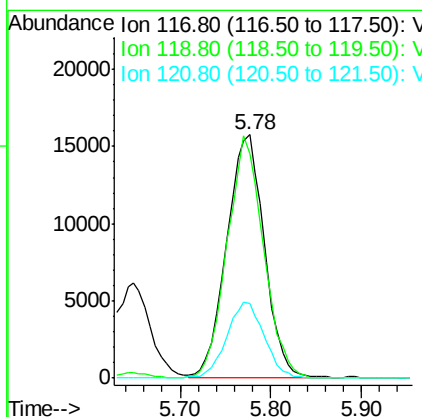
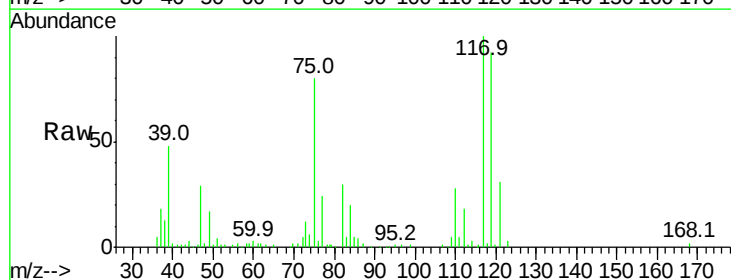
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

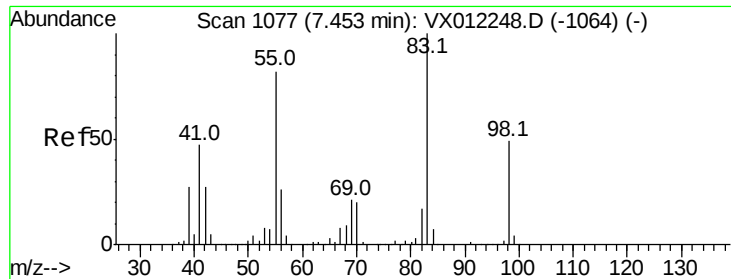
Tgt Ion: 43 Resp: 23804
 Ion Ratio Lower Upper
 43 100
 61 16.1 10.3 15.5#
 70 12.8 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 19.612 ug/l
 RT: 5.78 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion: 117 Resp: 45671
 Ion Ratio Lower Upper
 117 100
 119 91.7 79.6 119.4
 121 30.7 24.7 37.1

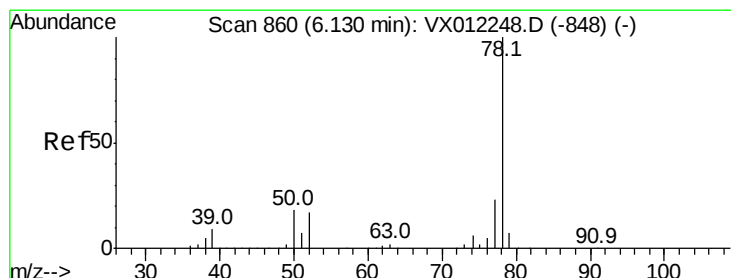
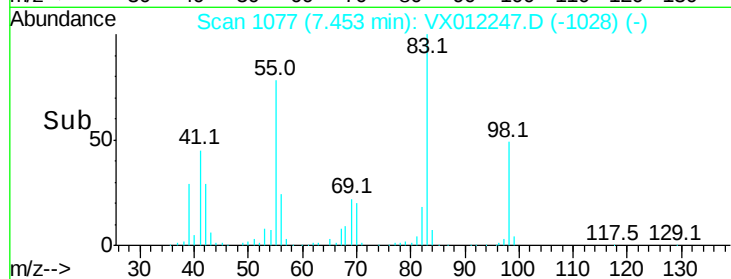
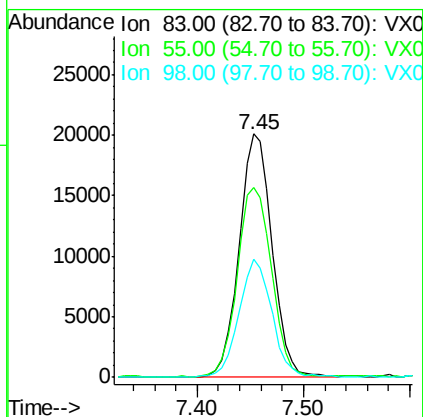
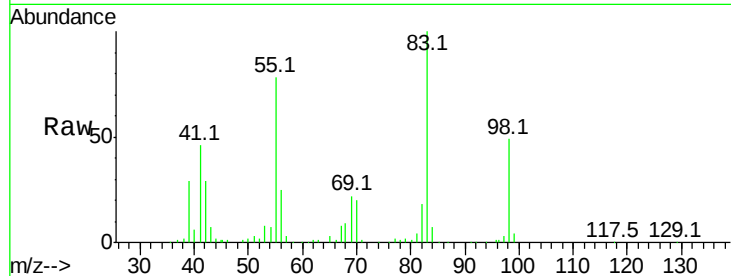




#39
Methylcyclohexane
Concen: 20.509 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

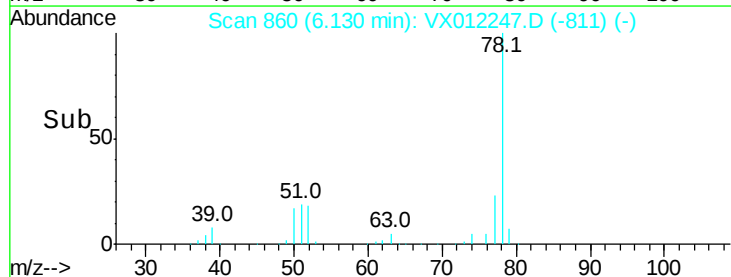
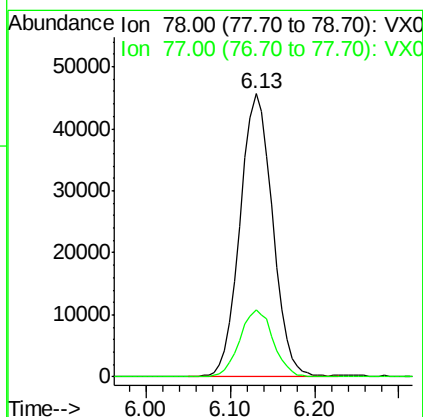
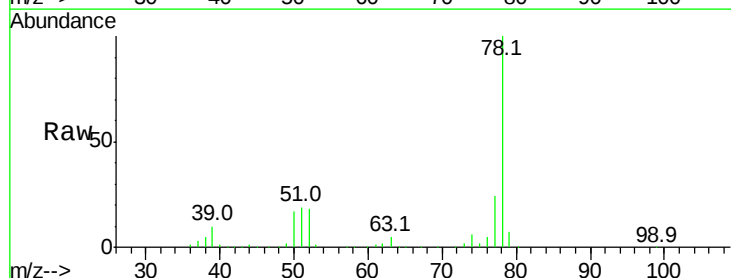
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

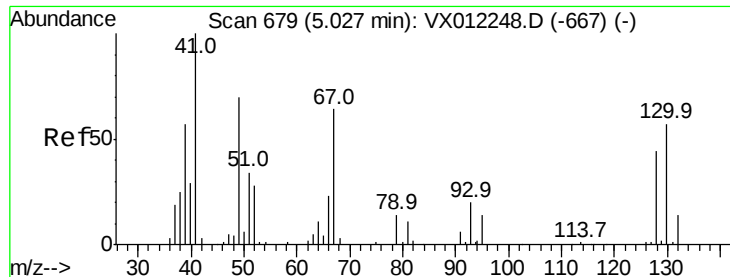
Tgt Ion: 83 Resp: 43883
Ion Ratio Lower Upper
83 100
55 77.6 65.4 98.2
98 48.6 39.6 59.4



#40
Benzene
Concen: 19.381 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion: 78 Resp: 119564
Ion Ratio Lower Upper
78 100
77 23.8 18.0 27.0





#41

Methacrylonitrile

Concen: 17.989 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 14913

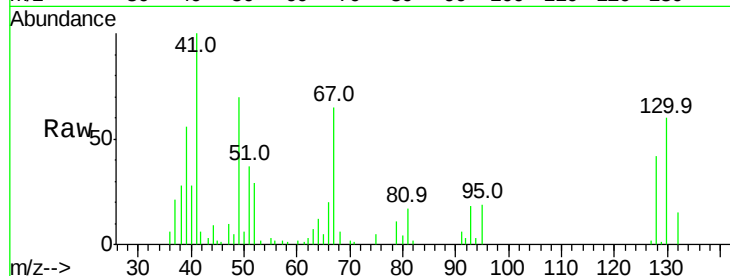
Ion Ratio Lower Upper

41 100

39 56.0 49.0 73.4

67 68.5 55.0 82.4

52 32.7 25.4 38.0

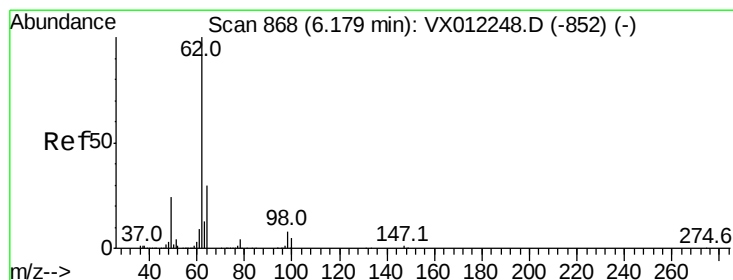
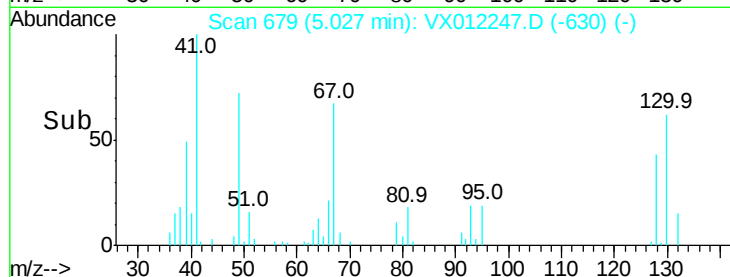
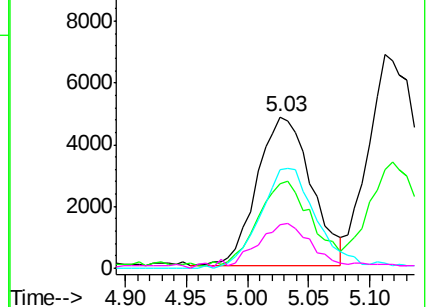


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.709 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012247.D

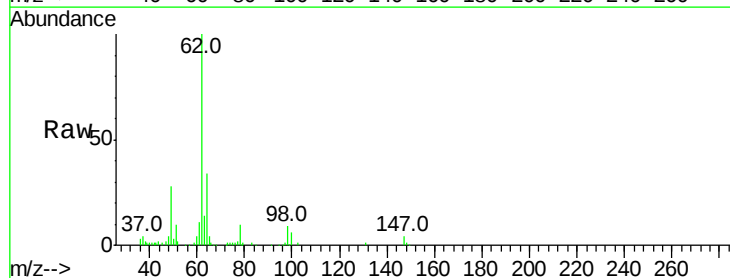
Acq: 10 Sep 2019 10:01

Tgt Ion: 62 Resp: 46643

Ion Ratio Lower Upper

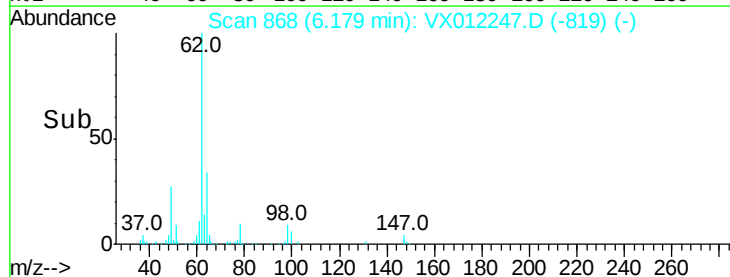
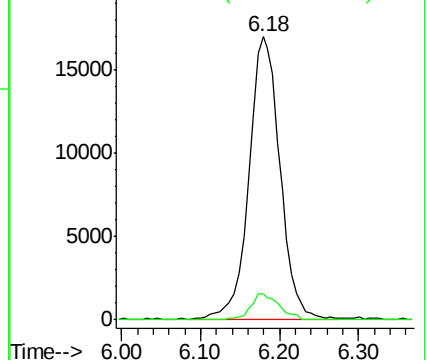
62 100

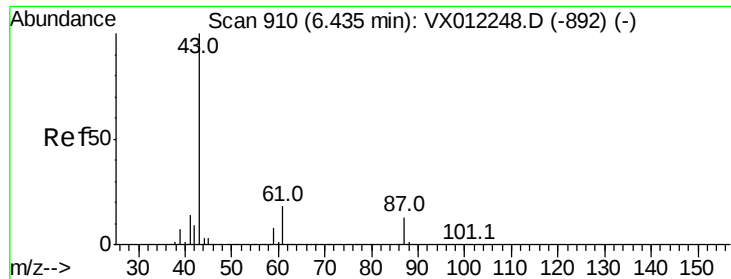
98 8.8 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.110 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

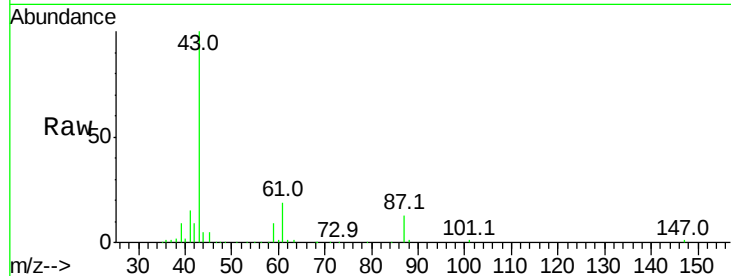
Tgt Ion: 43 Resp: 50356

Ion Ratio Lower Upper

43 100

61 19.3 15.4 23.2

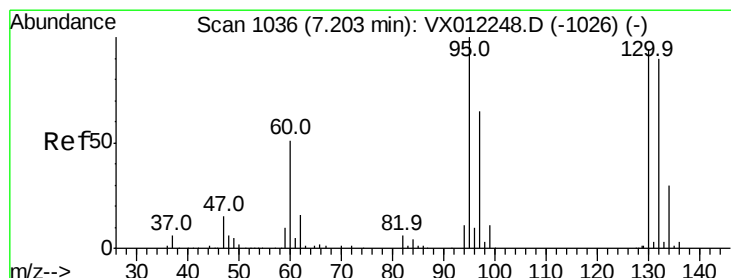
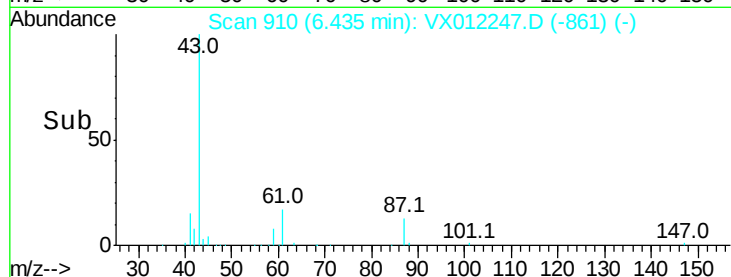
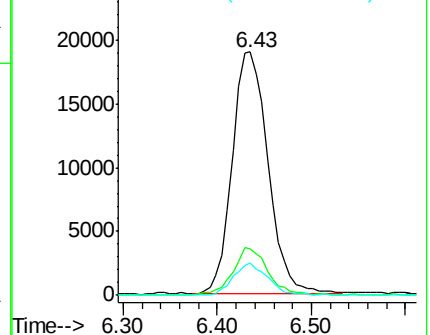
87 12.9 10.5 15.7



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: 19.884 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX012247.D

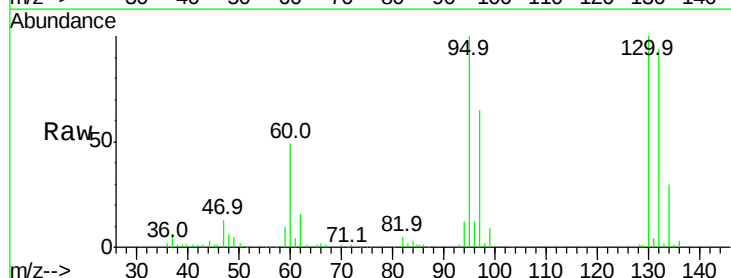
Acq: 10 Sep 2019 10:01

Tgt Ion: 130 Resp: 33082

Ion Ratio Lower Upper

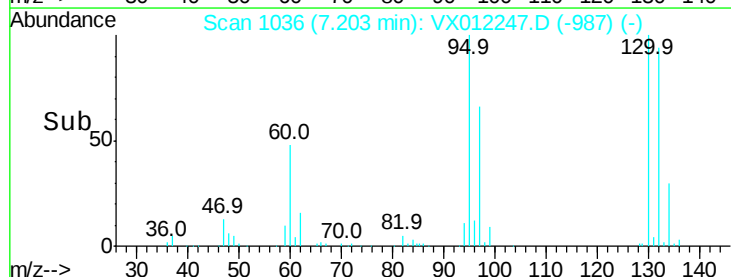
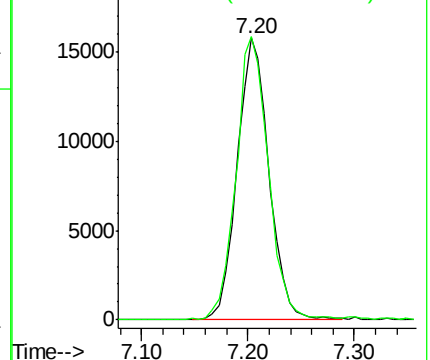
130 100

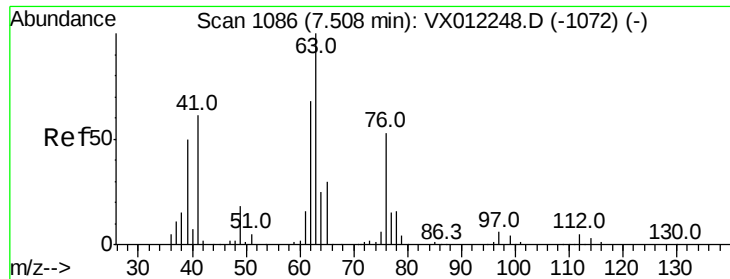
95 100.1 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

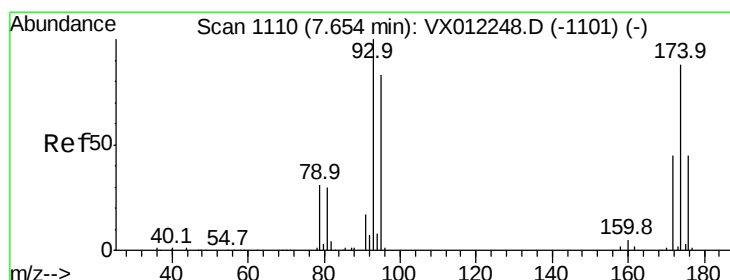
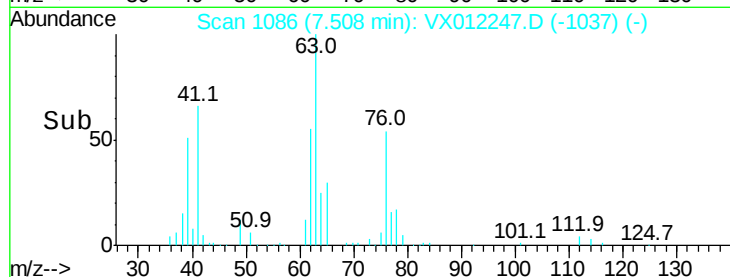
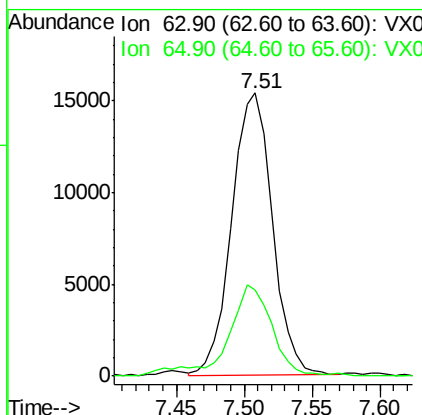
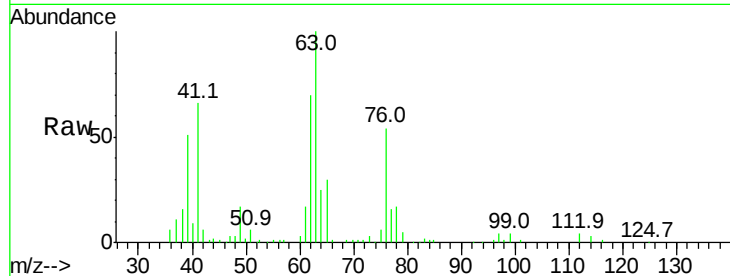




#45
 1,2-Dichloropropane
 Concen: 18.331 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

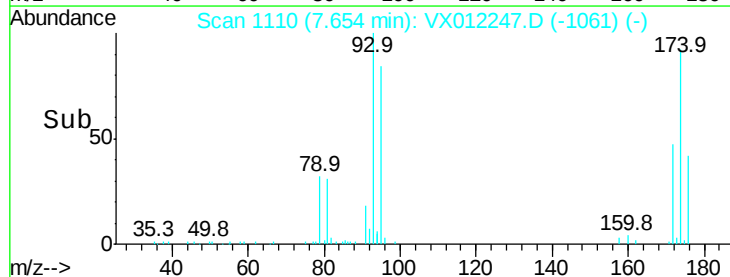
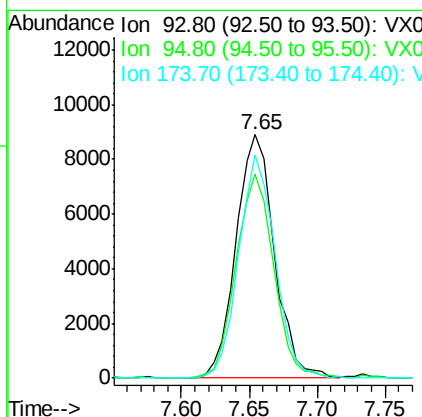
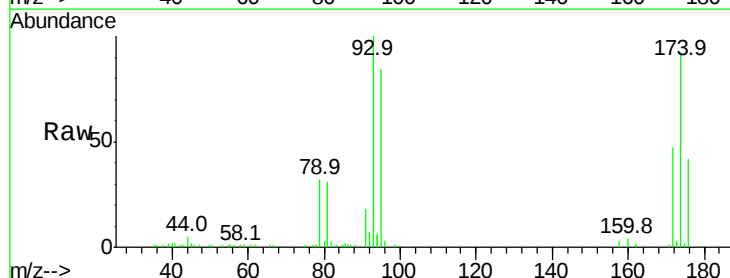
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

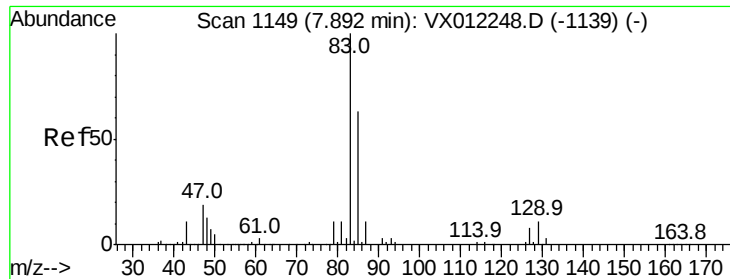
Tgt Ion: 63 Resp: 31921
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.3 36.5



#46
 Dibromomethane
 Concen: 17.770 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion: 93 Resp: 17599
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.7 98.5
 174 87.0 71.0 106.4





#47

Bromodichloromethane

Concen: 17.999 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

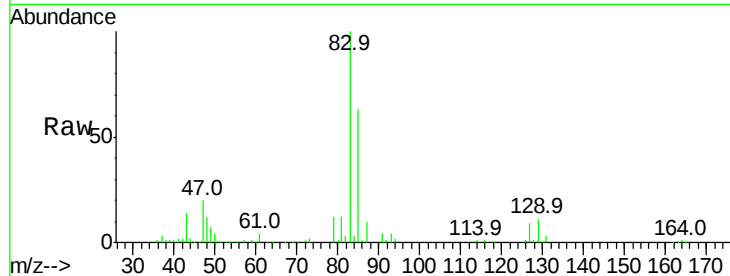
Tgt Ion: 83 Resp: 47711

Ion Ratio Lower Upper

83 100

85 62.7 50.2 75.4

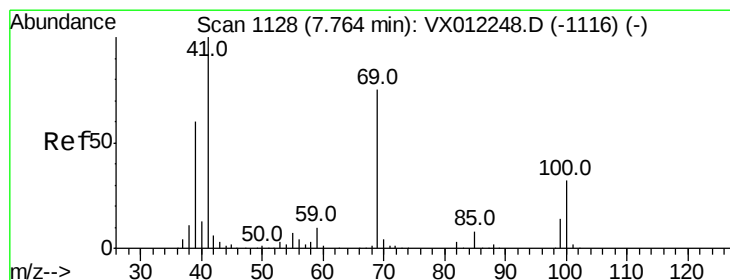
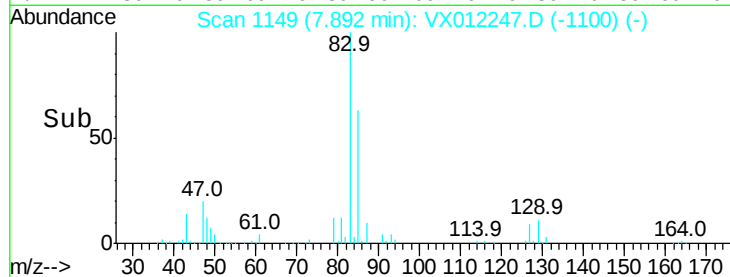
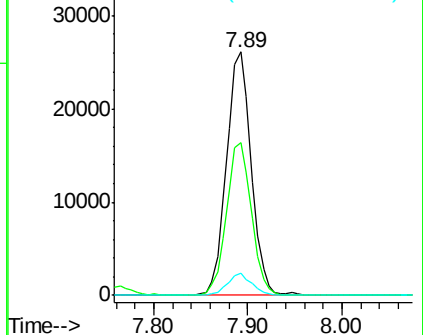
127 9.0 6.3 9.5



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: 18.075 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

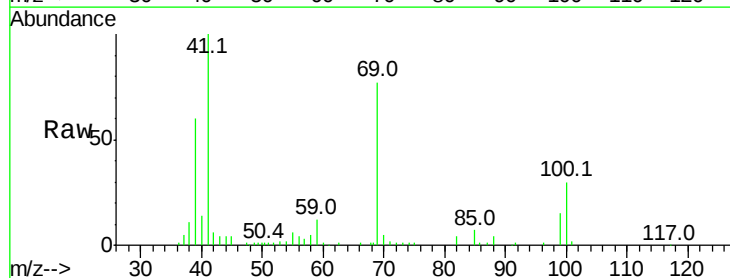
Tgt Ion: 41 Resp: 24152

Ion Ratio Lower Upper

41 100

69 80.6 61.8 92.6

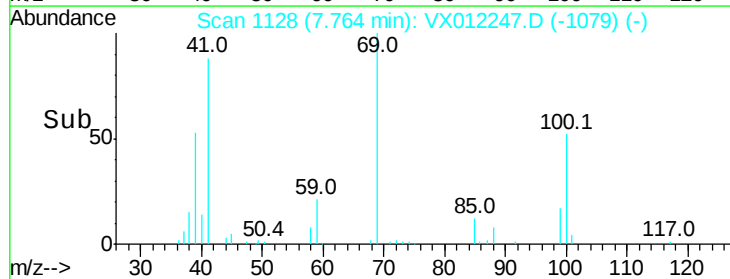
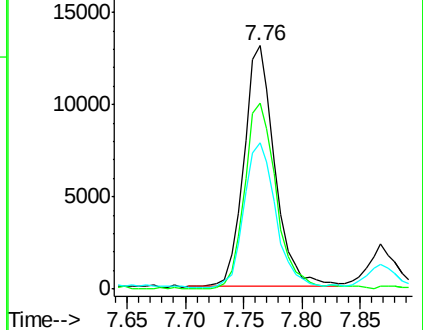
39 62.6 48.6 73.0

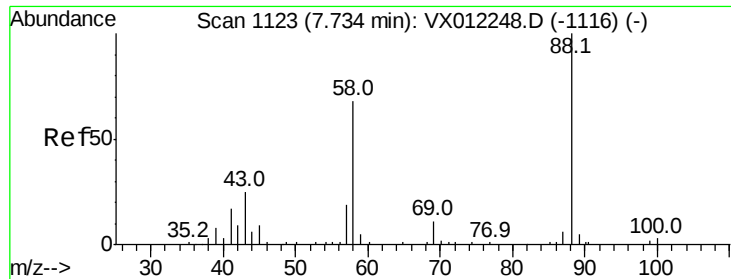


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

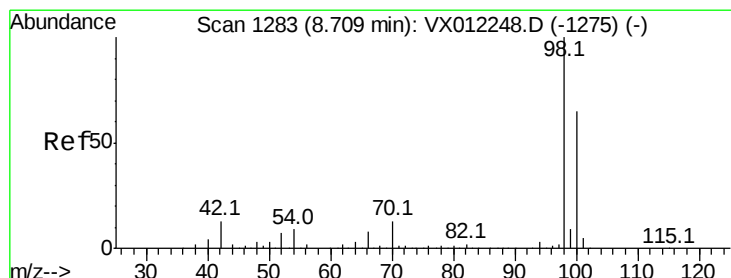
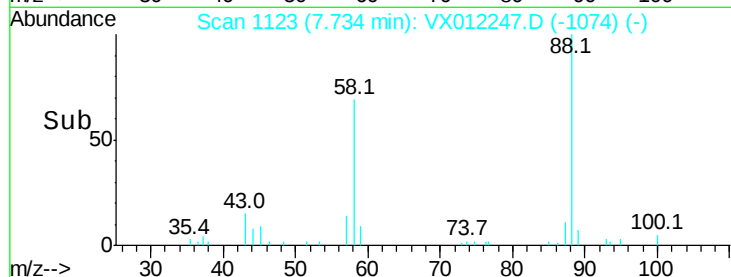
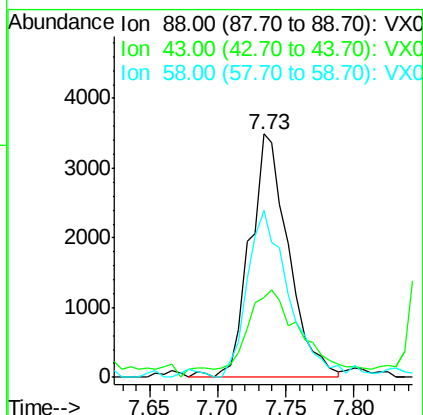
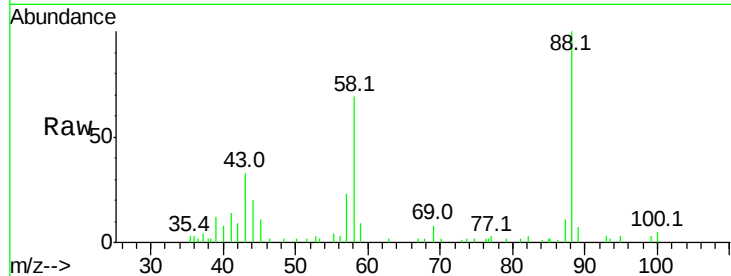




#49
1,4-Dioxane
Concen: 371.065 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

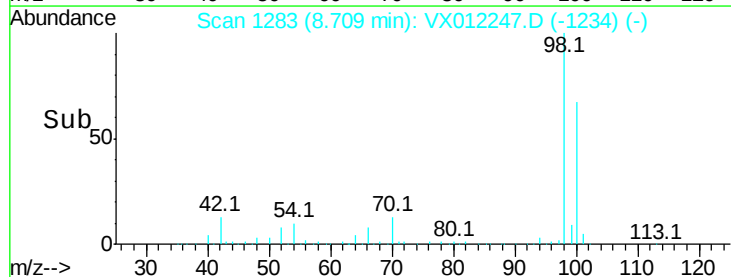
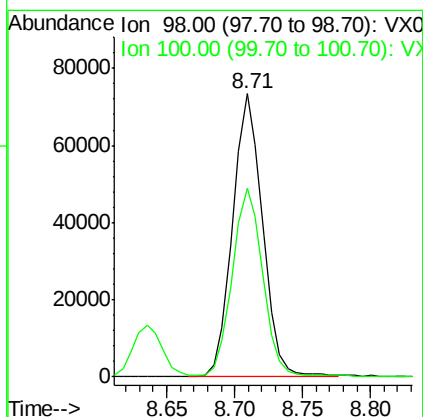
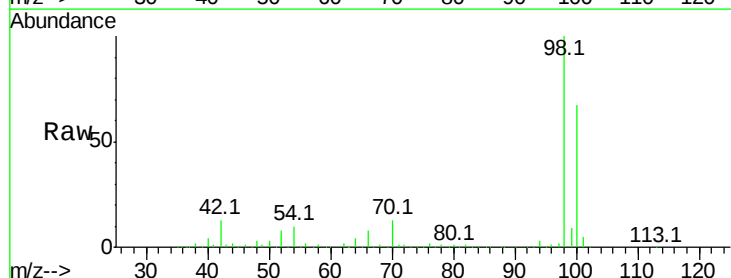
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

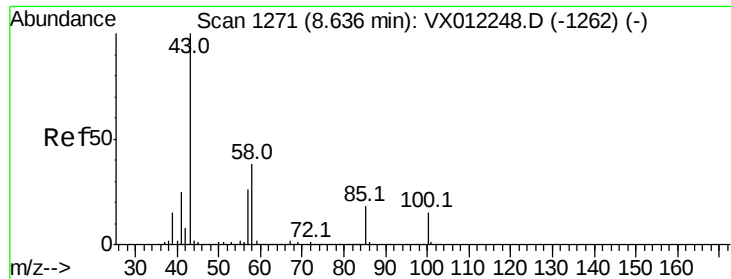
Tgt Ion: 88 Resp: 6959
Ion Ratio Lower Upper
88 100
43 54.2 31.0 46.4#
58 73.4 61.5 92.3



#50
Toluene-d8
Concen: 18.249 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion: 98 Resp: 113044
Ion Ratio Lower Upper
98 100
100 67.8 54.1 81.1

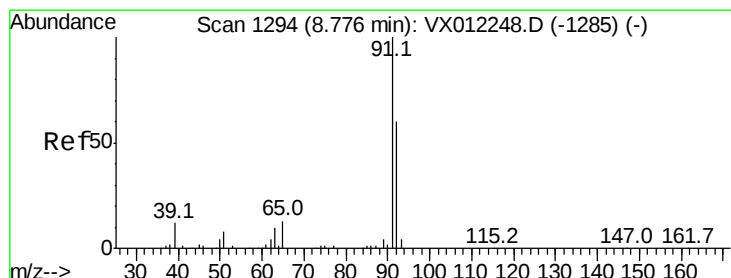
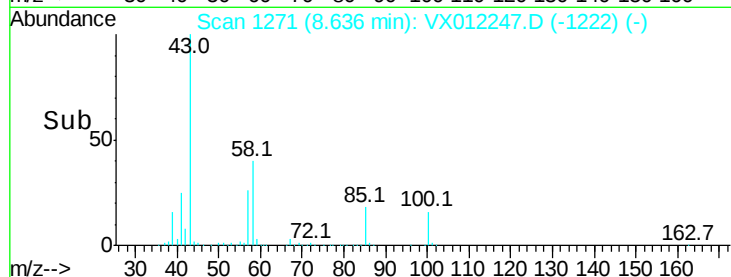
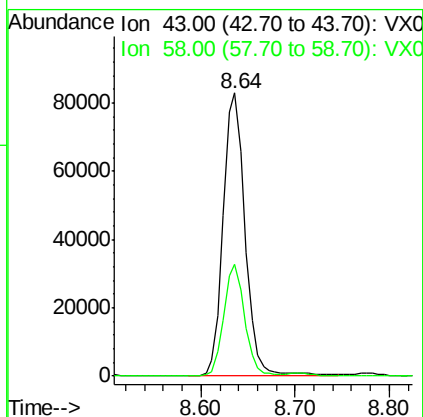
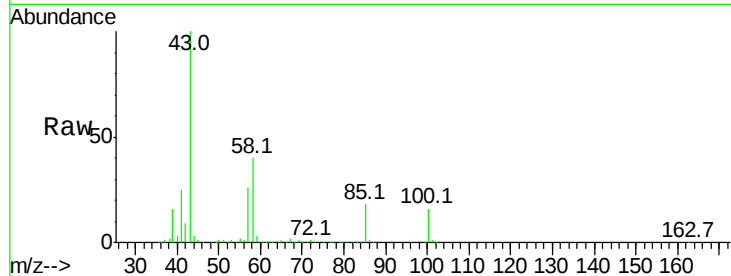




#51
 4-Methyl-2-Pentanone
 Concen: 92.671 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

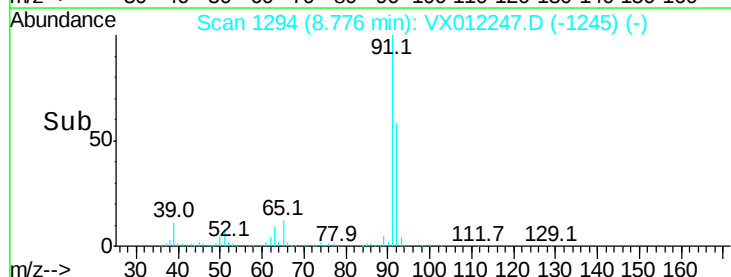
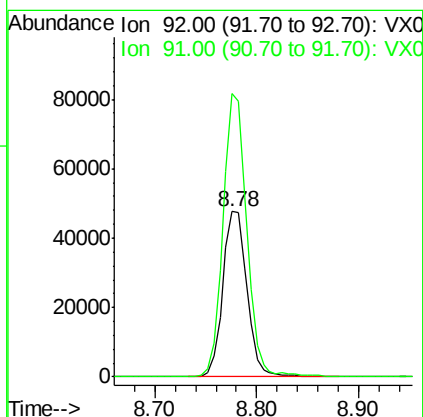
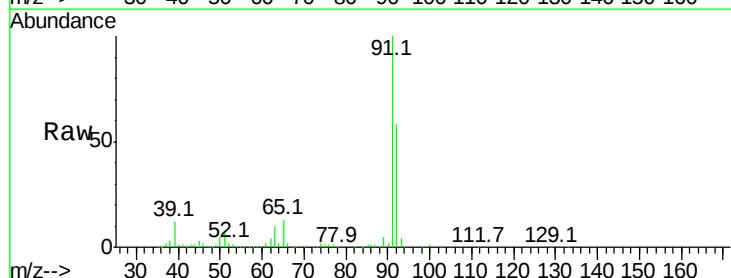
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

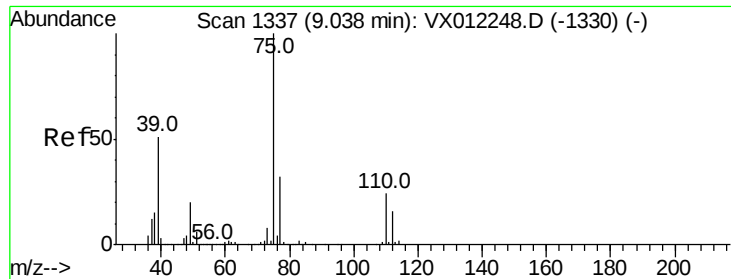
Tgt Ion: 43 Resp: 134070
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.1 45.1



#52
 Toluene
 Concen: 19.248 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion: 92 Resp: 78869
 Ion Ratio Lower Upper
 92 100
 91 167.9 133.6 200.4

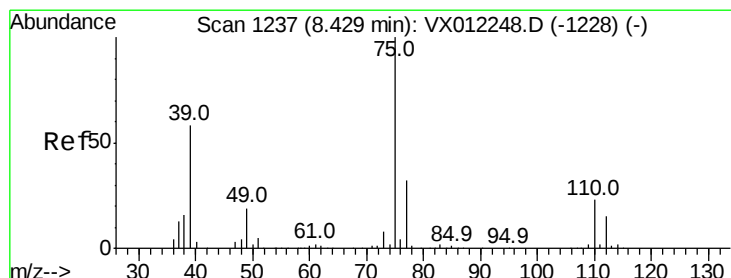
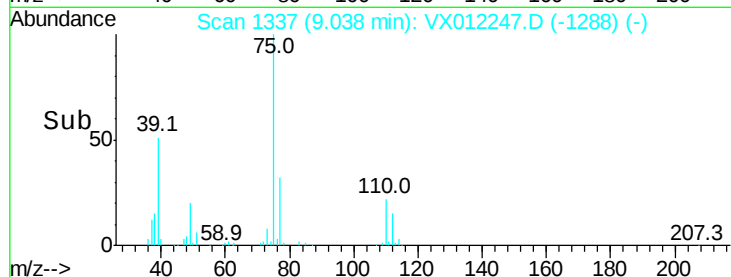
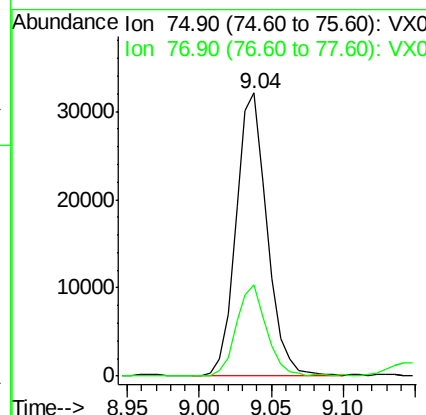
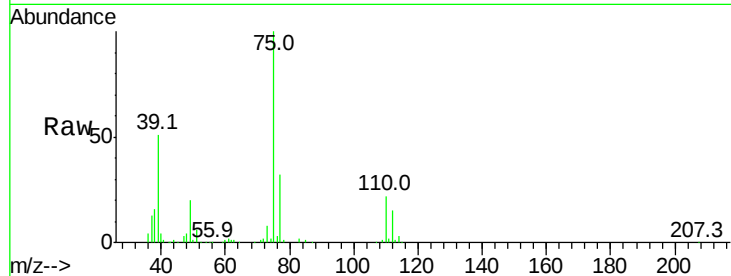




#53
t-1,3-Dichloropropene
Concen: 18.271 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

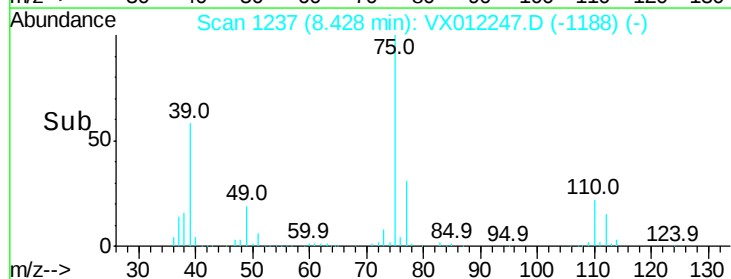
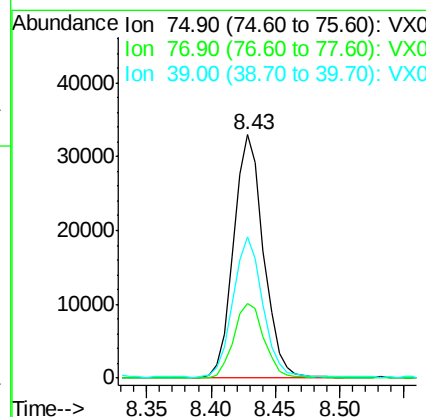
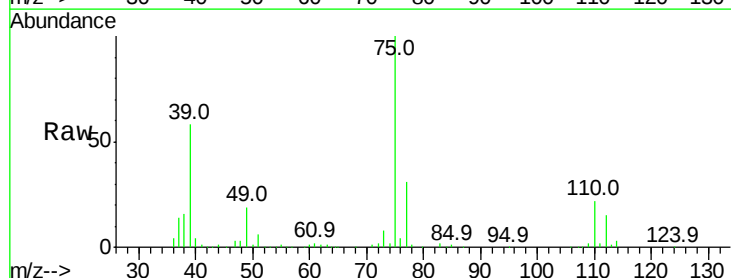
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

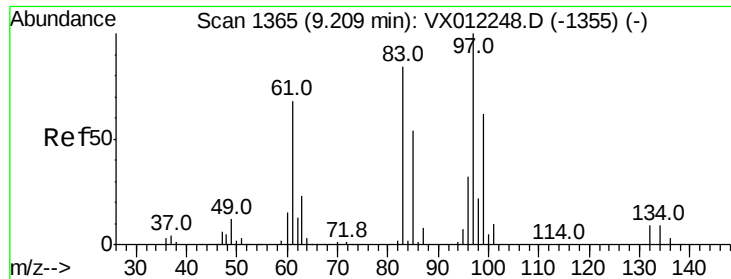
Tgt Ion: 75 Resp: 48286
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 18.688 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion: 75 Resp: 53880
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2
39 57.5 46.5 69.7

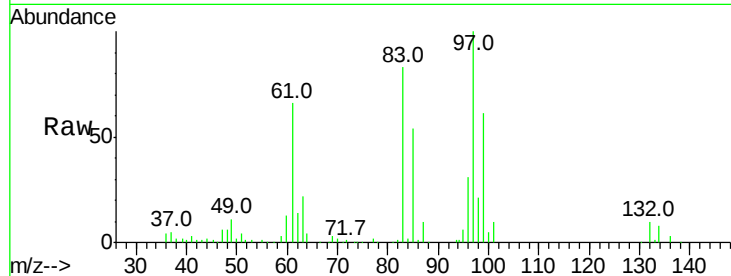




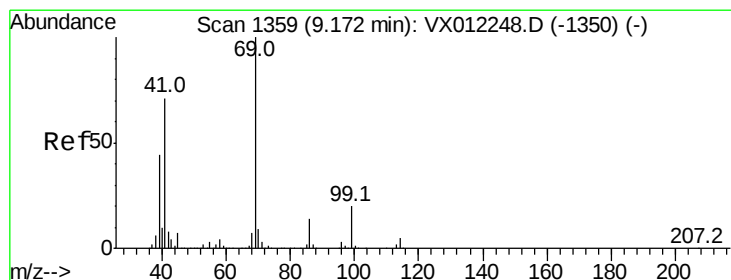
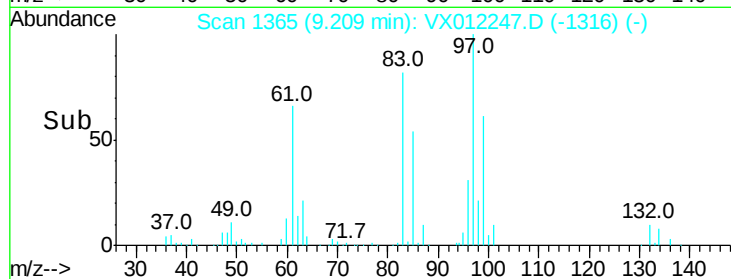
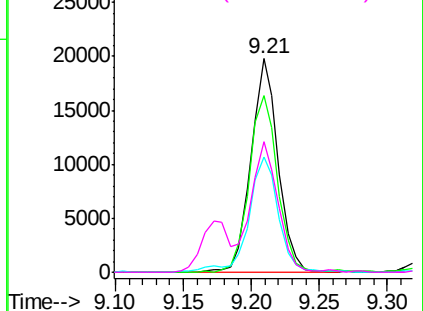
#55
 1,1,2-Trichloroethane
 Concen: 18.431 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	27703
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.4	101.2
85	53.6	43.4	65.2
99	60.4	49.8	74.6

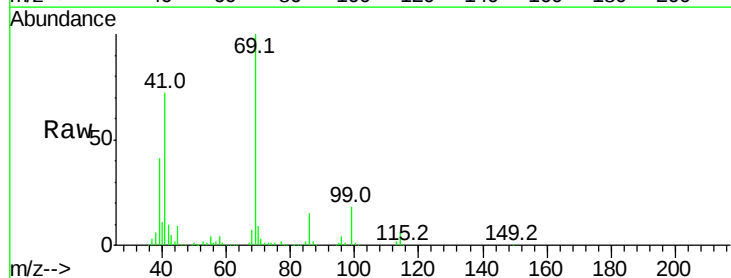


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

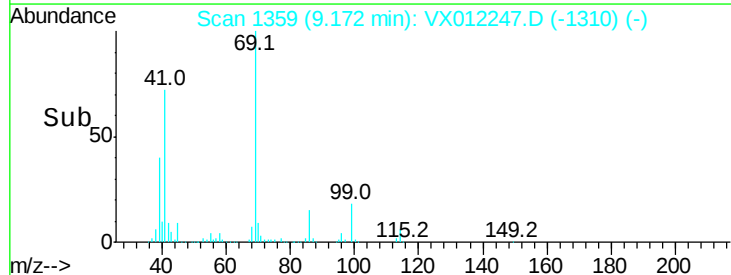
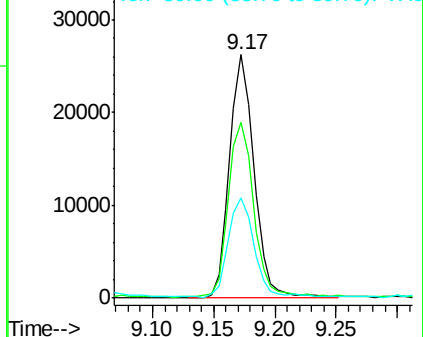


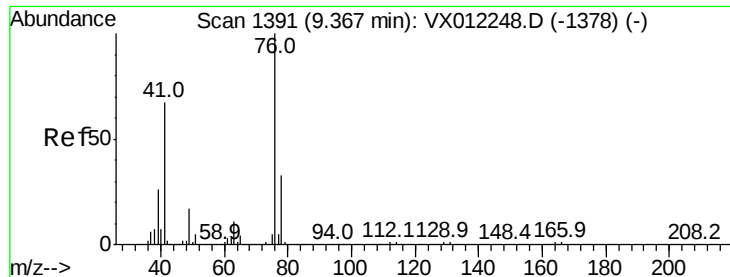
#56
 Ethyl methacrylate
 Concen: 17.484 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion:	69	Resp:	36739
Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.7	86.5
39	43.1	34.0	51.0



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: 19.038 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

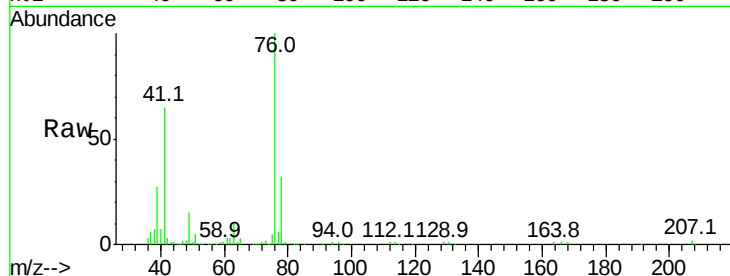
VSTDIC020

Tgt Ion: 76 Resp: 48915

Ion Ratio Lower Upper

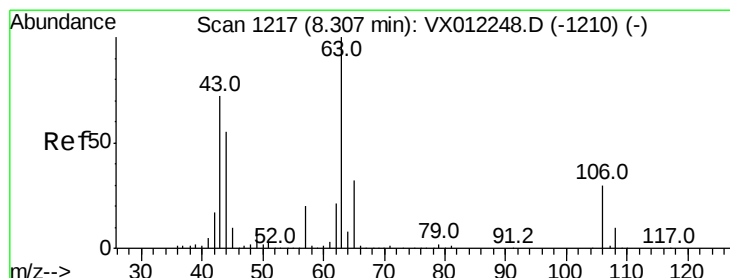
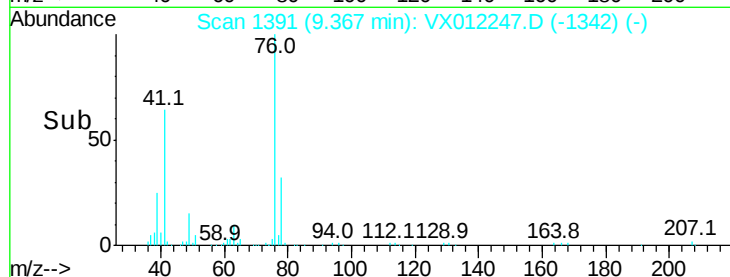
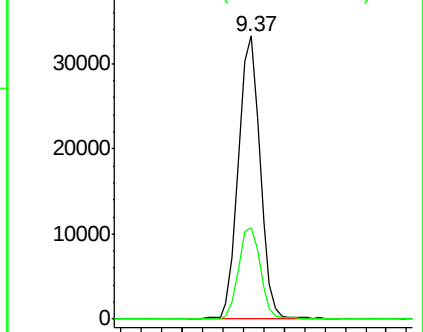
76 100

78 32.6 26.0 39.0



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: 88.474 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012247.D

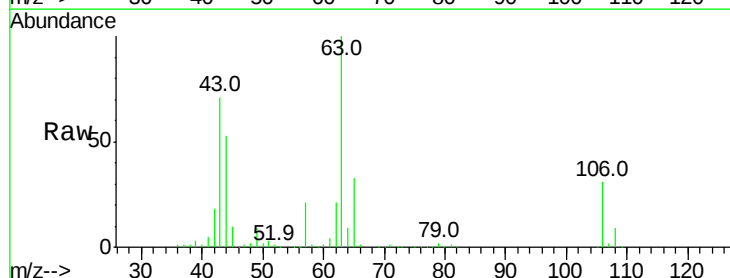
Acq: 10 Sep 2019 10:01

Tgt Ion: 63 Resp: 88285

Ion Ratio Lower Upper

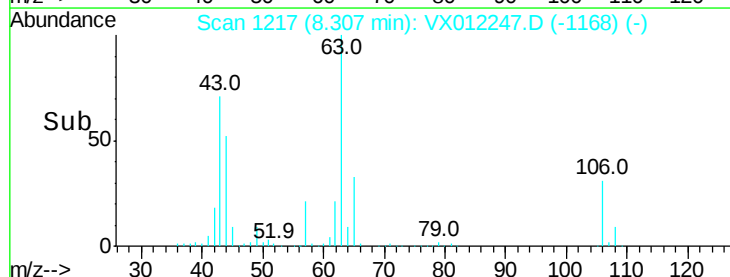
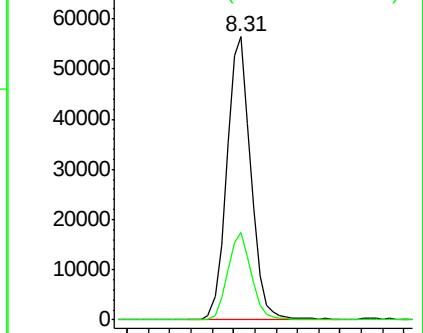
63 100

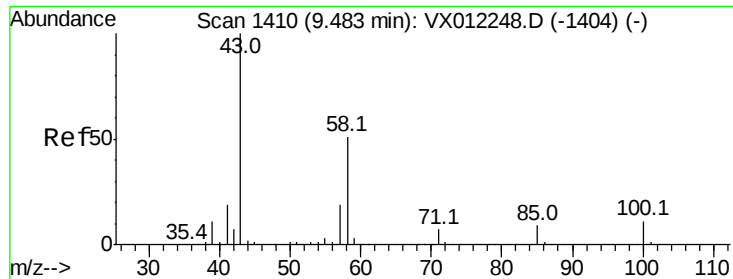
106 30.6 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

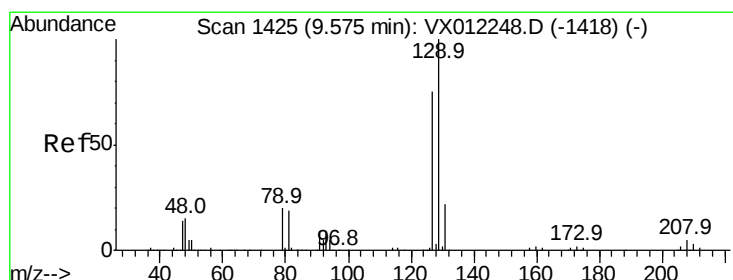
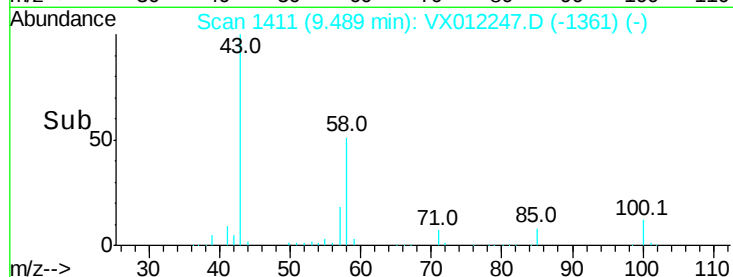
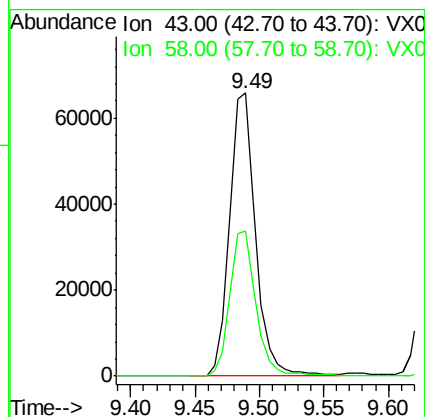
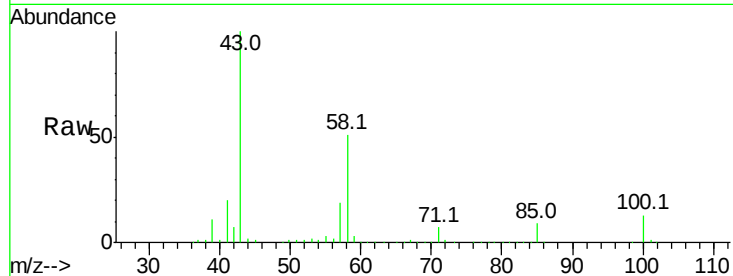




#59
2-Hexanone
Concen: 90.746 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

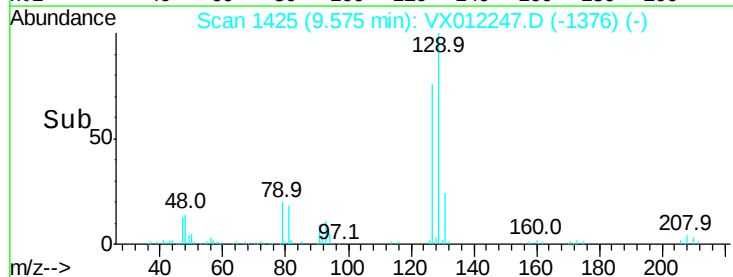
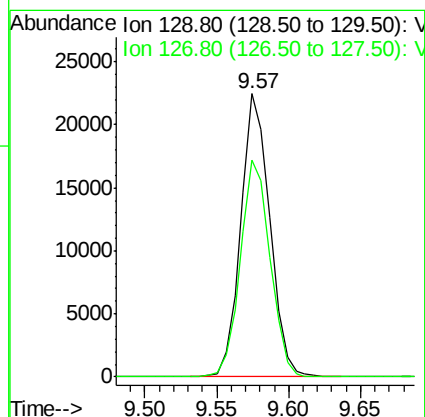
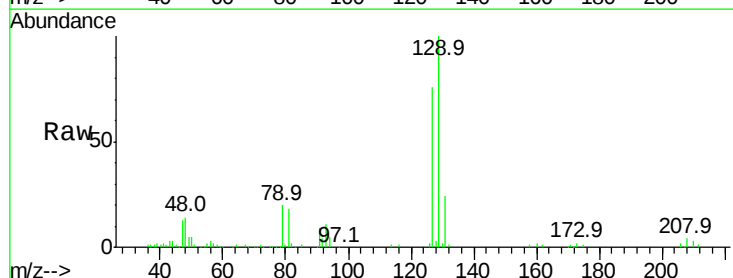
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

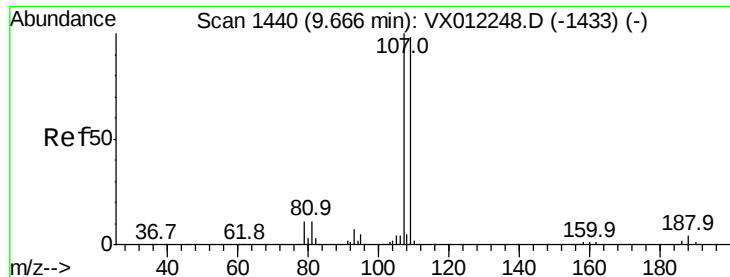
Tgt Ion: 43 Resp: 93276
Ion Ratio Lower Upper
43 100
58 52.5 25.8 77.3



#60
Dibromochloromethane
Concen: 17.579 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion: 129 Resp: 31339
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 18.667 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

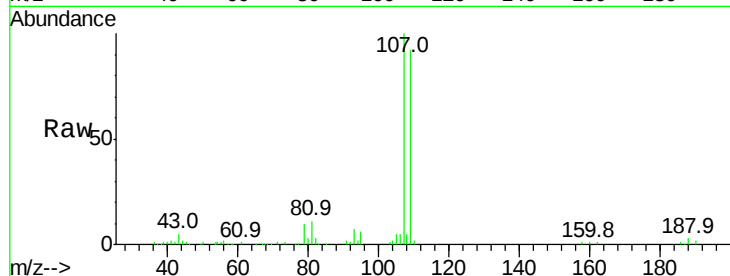
VSTDIC020

Tgt Ion: 107 Resp: 26161

Ion Ratio Lower Upper

107 100

109 91.6 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

20000

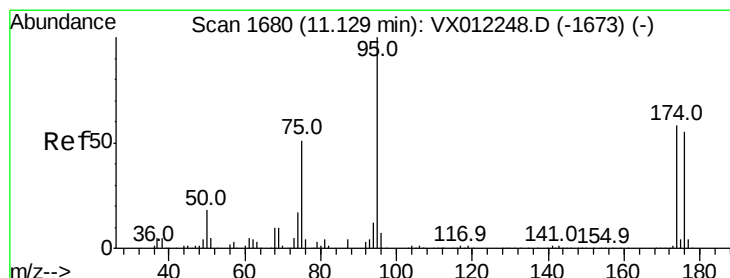
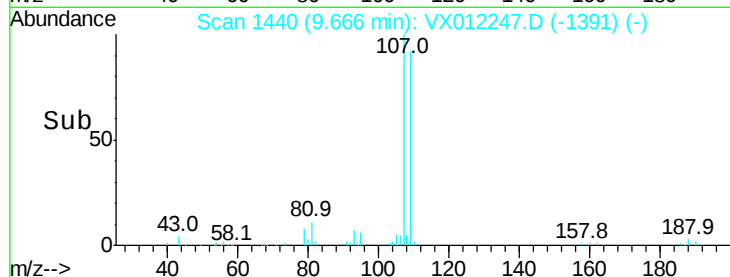
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.351 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

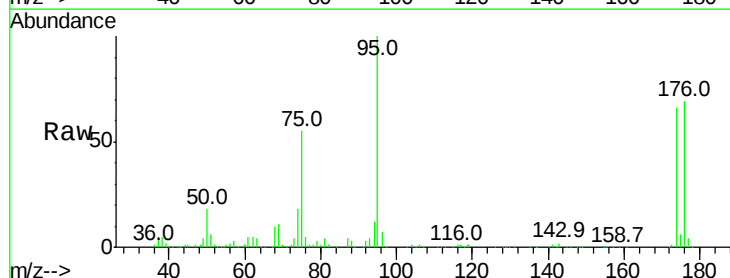
Tgt Ion: 95 Resp: 58515

Ion Ratio Lower Upper

95 100

174 64.0 0.0 127.0

176 64.1 0.0 125.8



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

11.14

60000

50000

40000

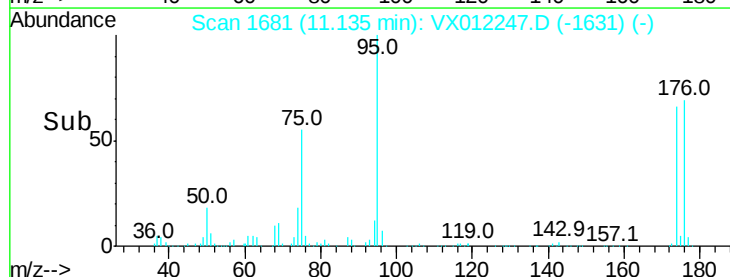
30000

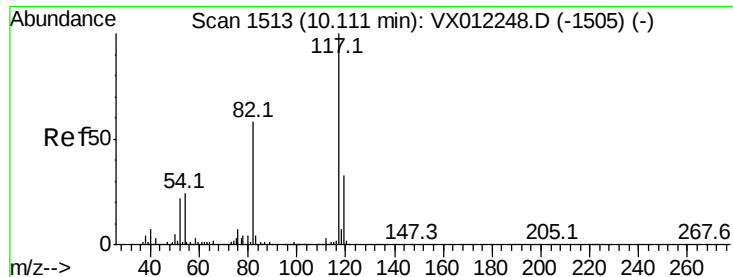
20000

10000

0

Time-->

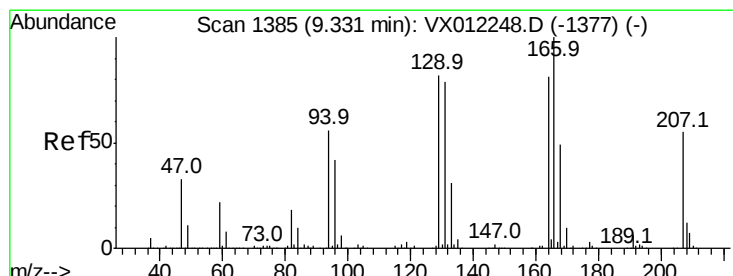
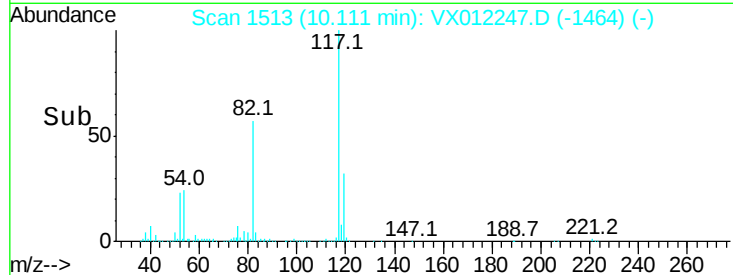
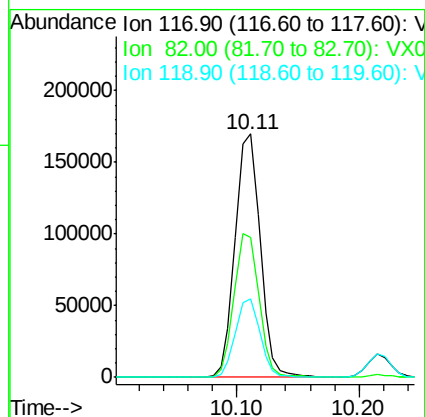
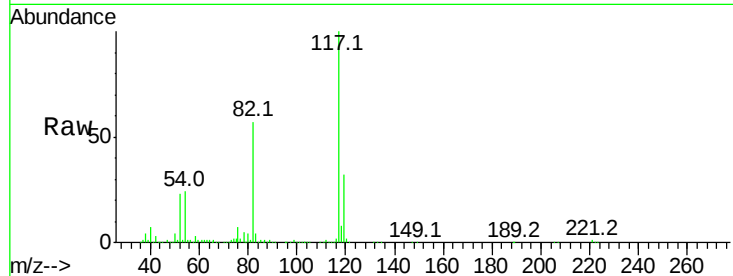




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

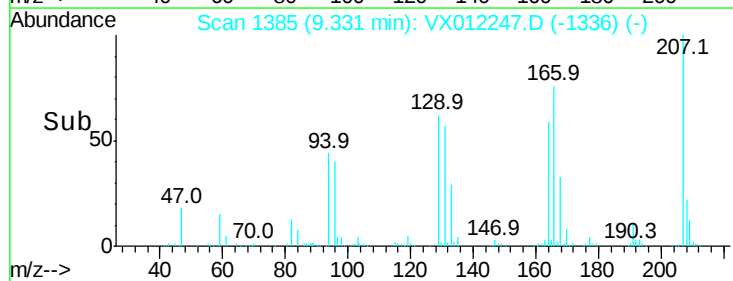
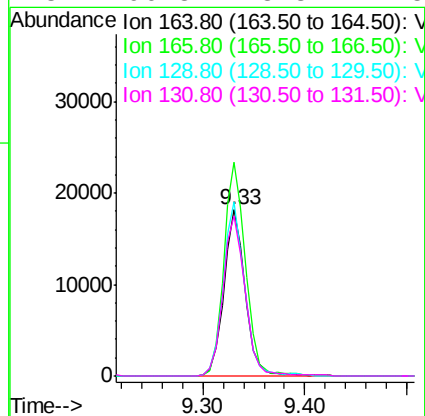
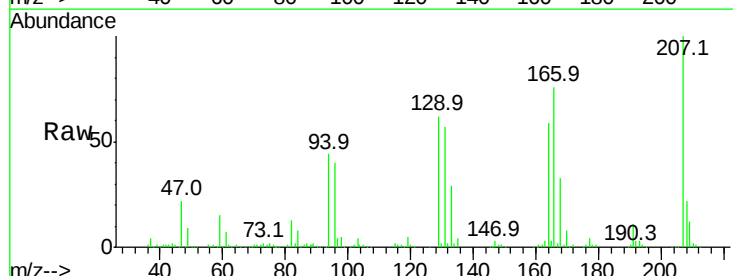
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

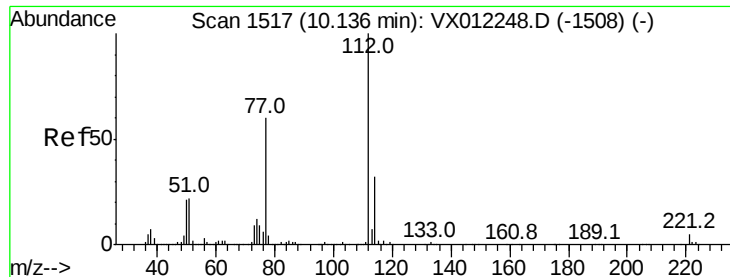
Tgt Ion:117 Resp: 240955
Ion Ratio Lower Upper
117 100
82 57.4 46.4 69.6
119 32.1 26.6 39.8



#64
Tetrachloroethene
Concen: 19.592 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion:164 Resp: 26342
Ion Ratio Lower Upper
164 100
166 128.8 99.4 149.0
129 104.9 81.8 122.8
131 96.8 78.3 117.5

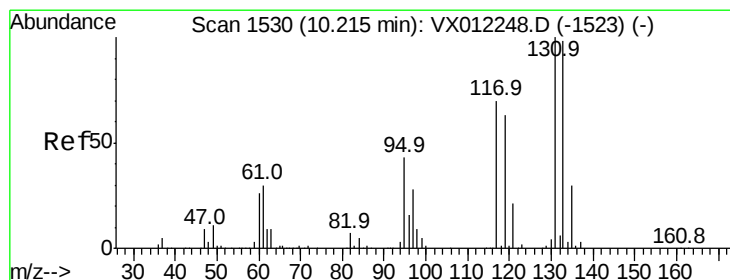
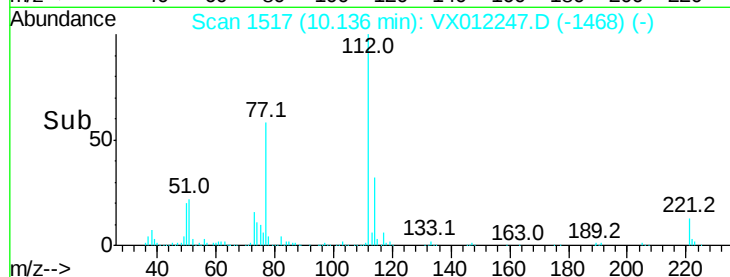
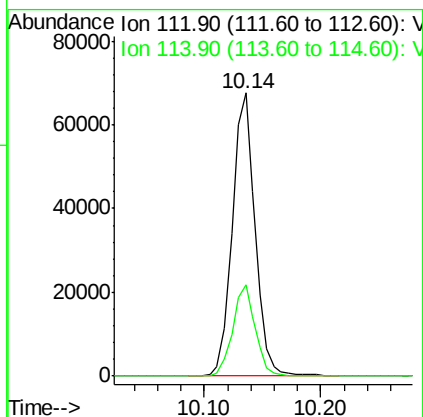
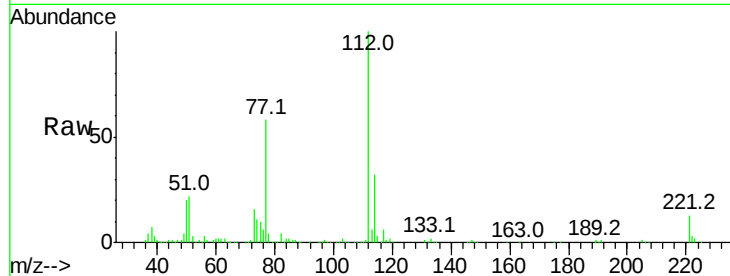




#65
Chlorobenzene
Concen: 19.065 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

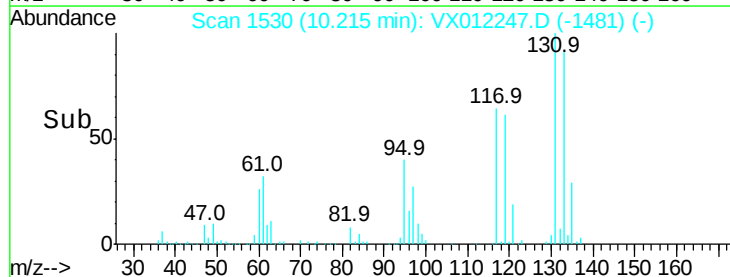
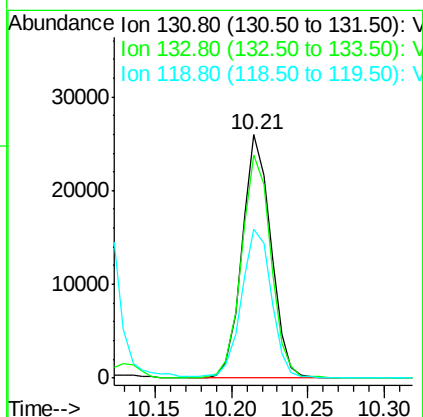
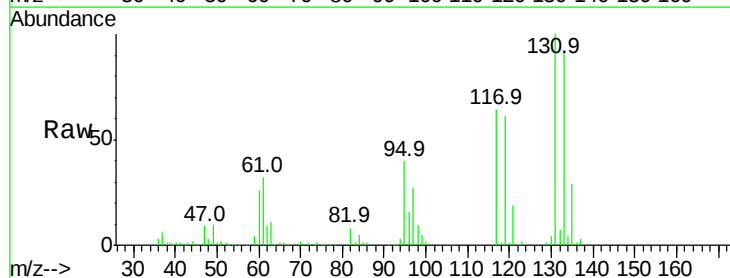
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

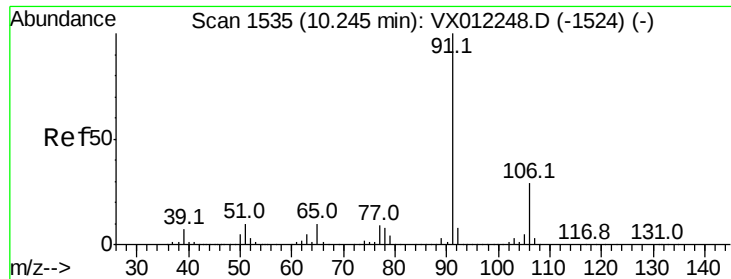
Tgt Ion:112 Resp: 91996
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.331 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion:131 Resp: 33869
Ion Ratio Lower Upper
131 100
133 93.9 48.0 144.2
119 63.9 31.6 95.0





#67

Ethyl Benzene

Concen: 19.122 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

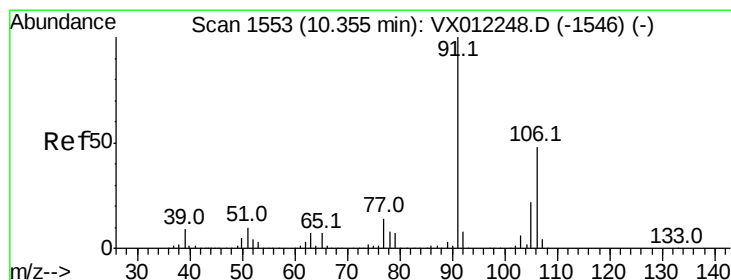
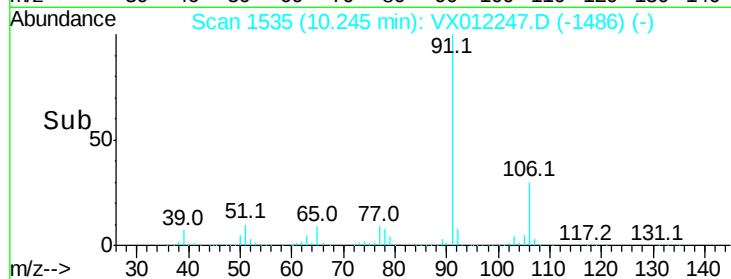
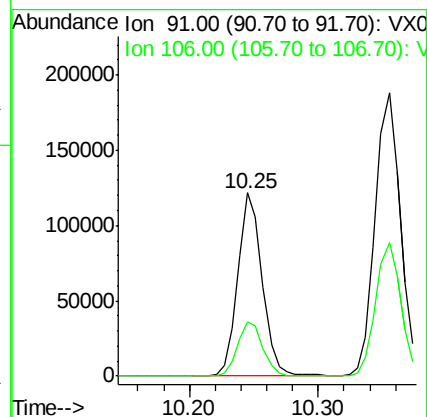
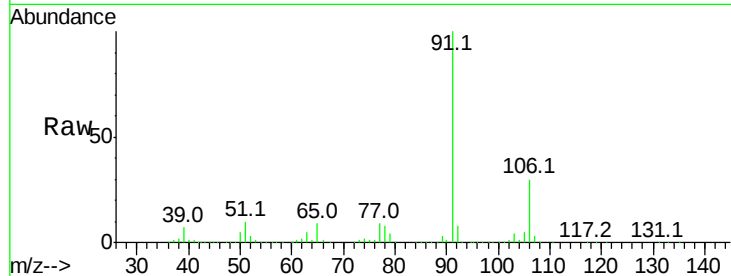
VSTDIC020

Tgt Ion: 91 Resp: 161844

Ion Ratio Lower Upper

91 100

106 29.8 23.1 34.7



#68

m/p-Xylenes

Concen: 38.747 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012247.D

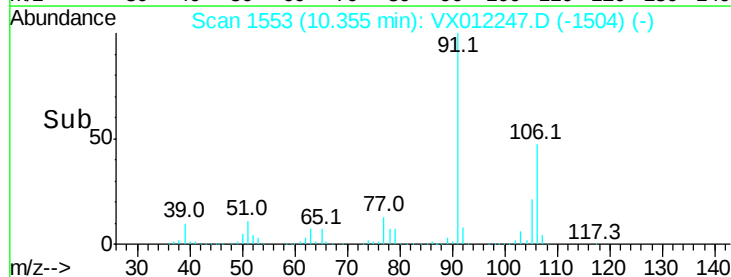
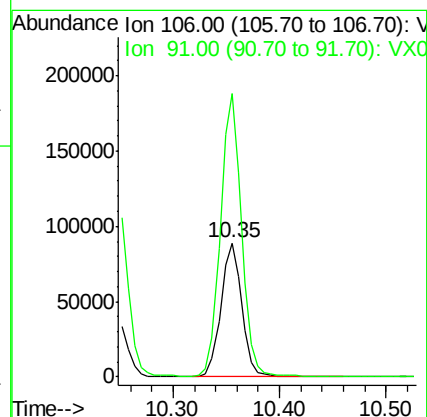
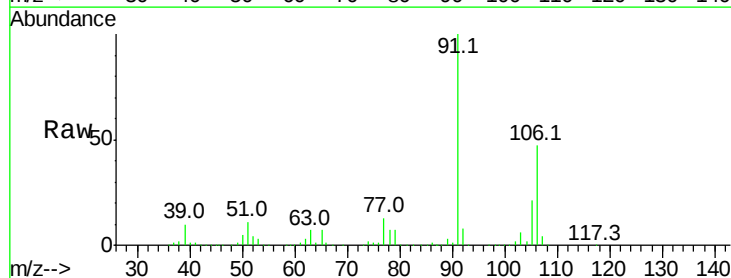
Acq: 10 Sep 2019 10:01

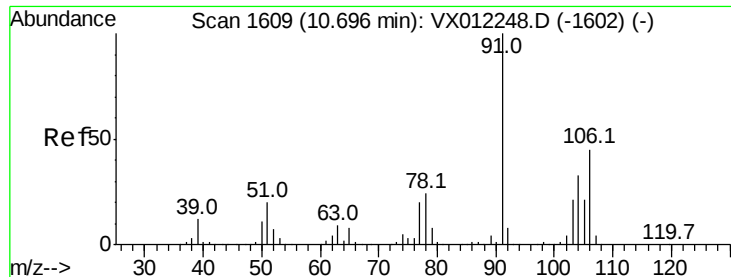
Tgt Ion: 106 Resp: 120950

Ion Ratio Lower Upper

106 100

91 212.0 167.0 250.6

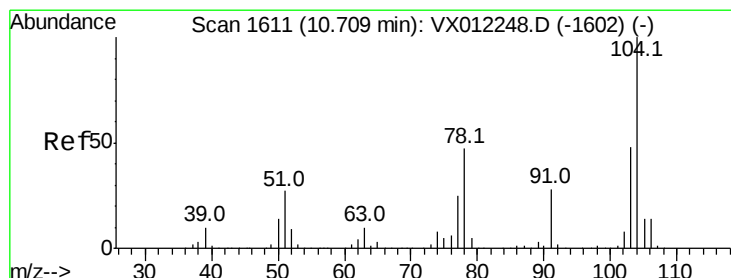
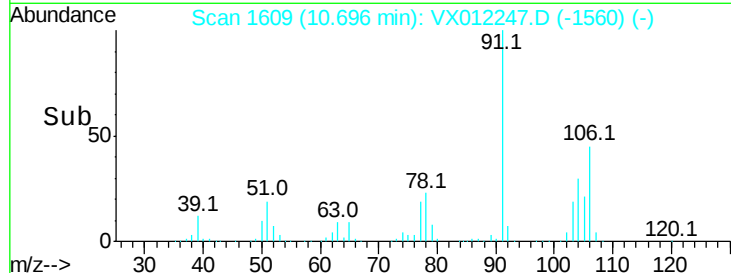
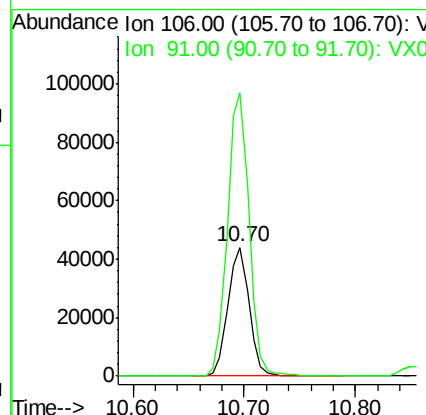
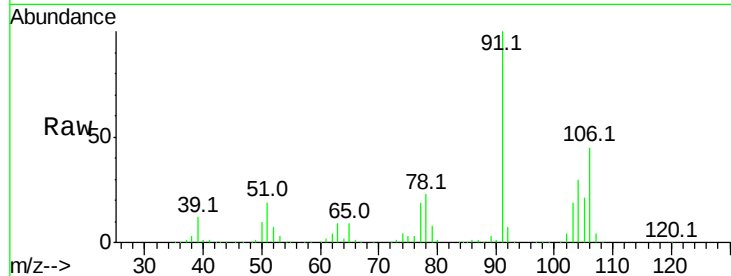




#69
o-Xylene
Concen: 19.053 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

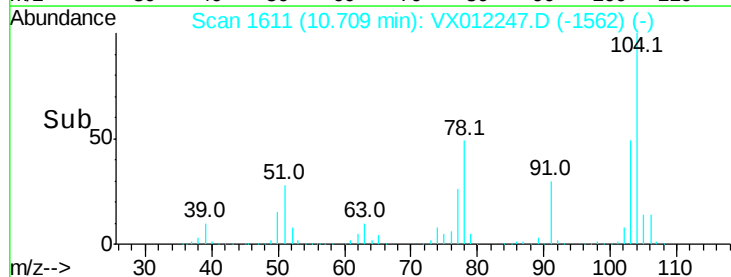
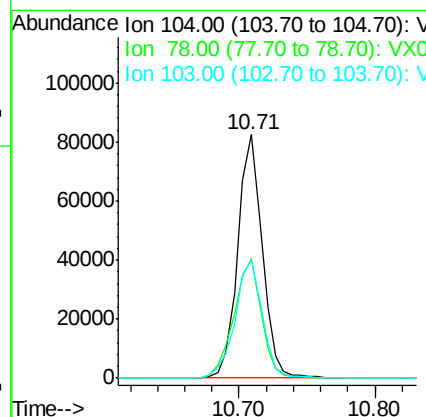
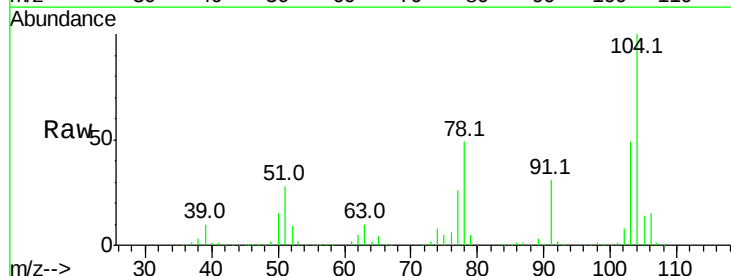
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

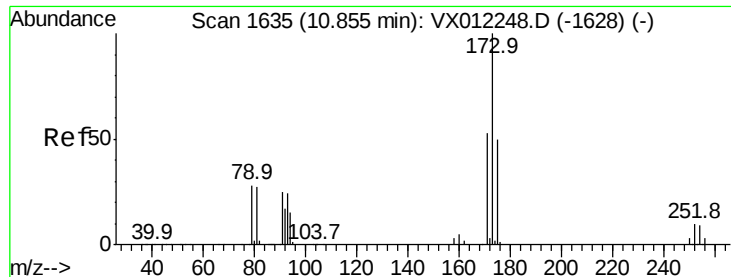
Tgt Ion:106 Resp: 58029
Ion Ratio Lower Upper
106 100
91 224.2 110.5 331.4



#70
Styrene
Concen: 18.961 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion:104 Resp: 103841
Ion Ratio Lower Upper
104 100
78 55.2 44.2 66.2
103 54.0 42.5 63.7





#71

Bromoform

Concen: 17.198 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

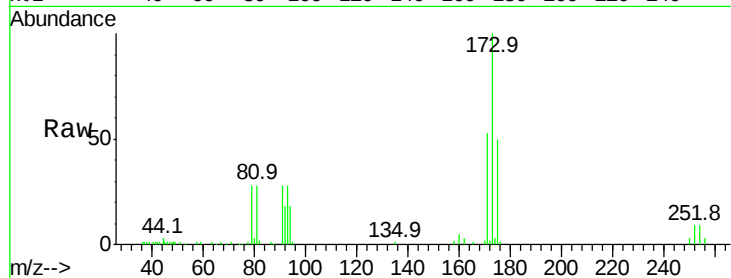
Tgt Ion:173 Resp: 16568

Ion Ratio Lower Upper

173 100

175 49.9 24.5 73.5

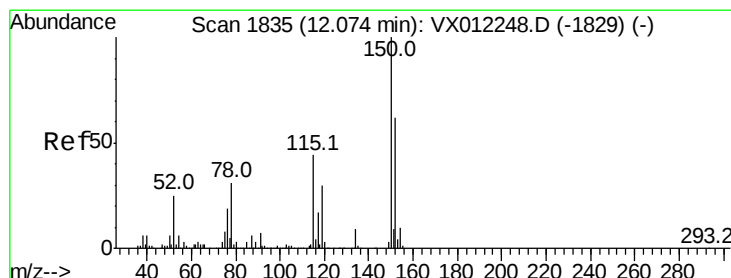
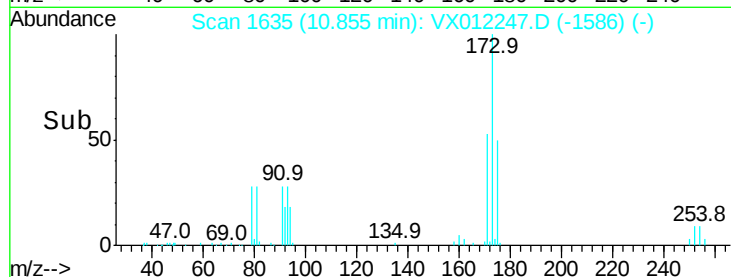
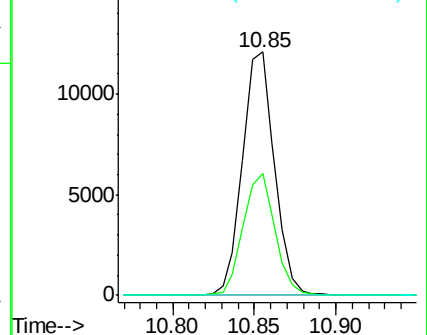
254 0.0 0.2 0.4#



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: VX012247.D

Acq: 10 Sep 2019 10:01

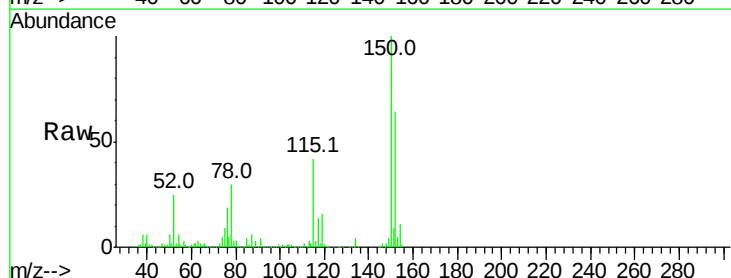
Tgt Ion:152 Resp: 117960

Ion Ratio Lower Upper

152 100

115 76.4 45.5 136.4

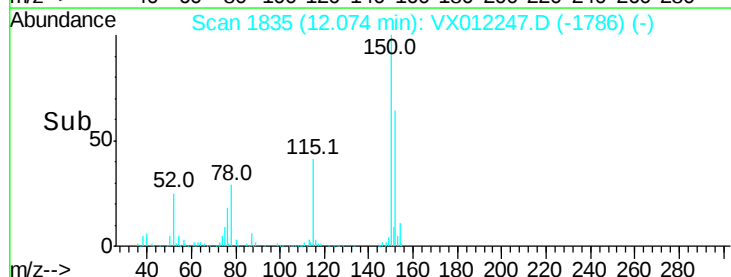
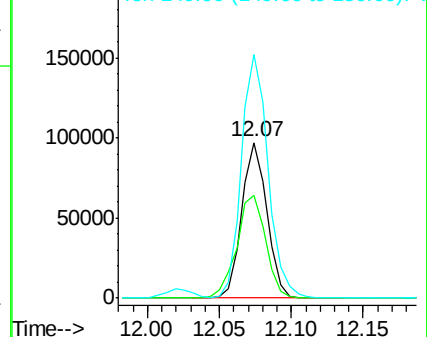
150 166.3 0.0 346.4

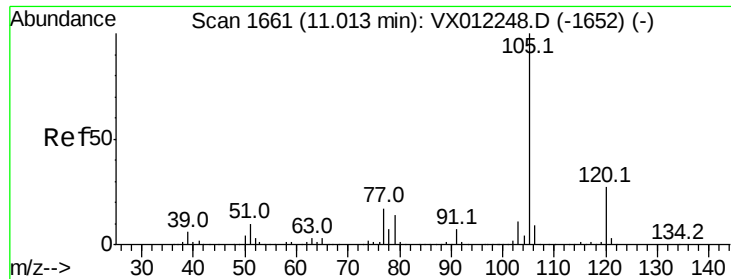


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.300 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

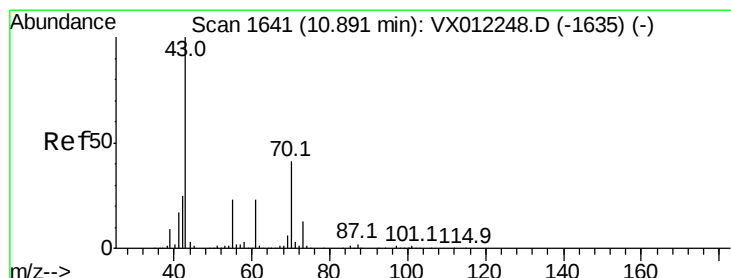
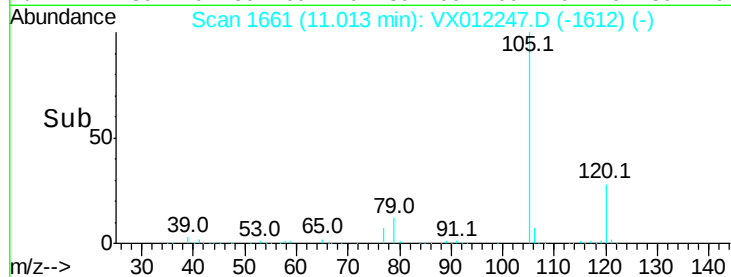
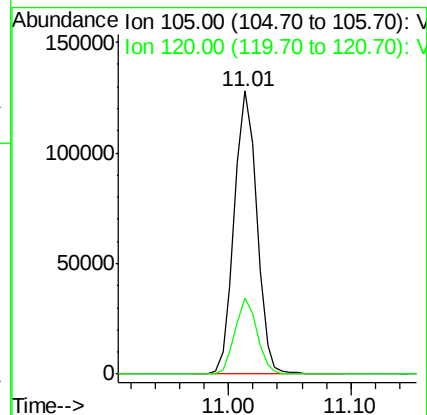
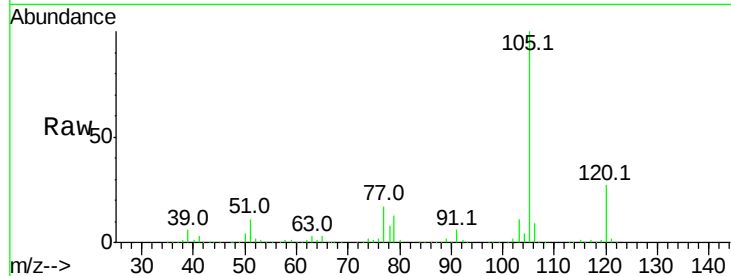
VSTDIC020

Tgt Ion: 105 Resp: 163178

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.5



#74

N-ethyl acetate

Concen: 17.505 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion: 43 Resp: 47362

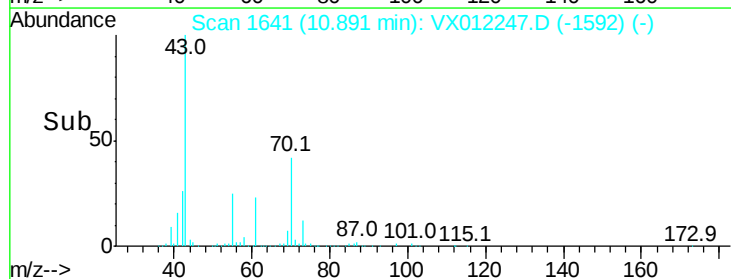
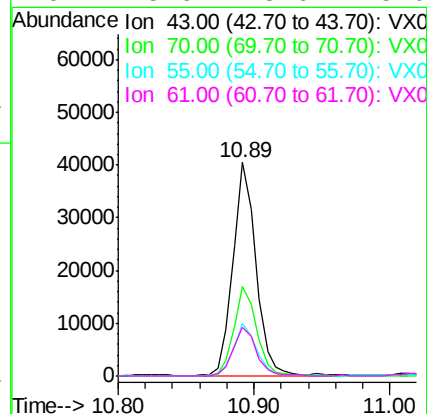
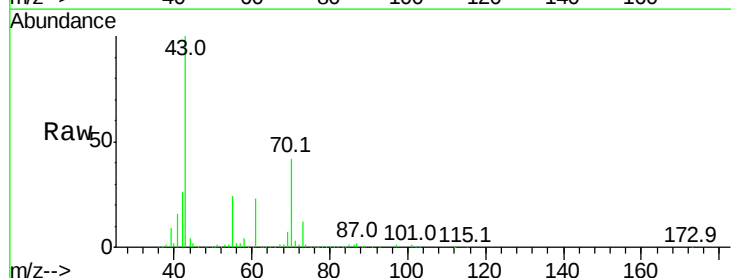
Ion Ratio Lower Upper

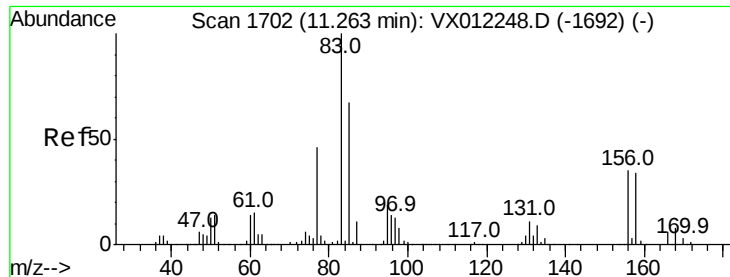
43 100

70 42.2 32.9 49.3

55 25.3 19.1 28.7

61 23.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.920 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

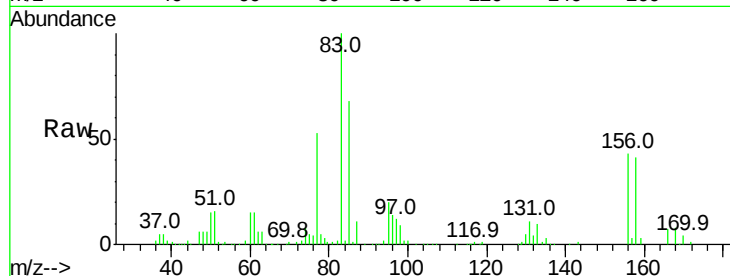
Tgt Ion: 83 Resp: 34055

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

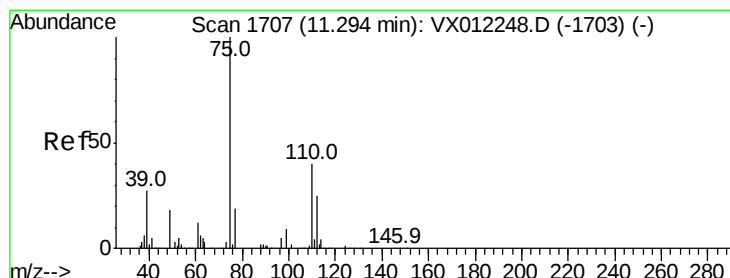
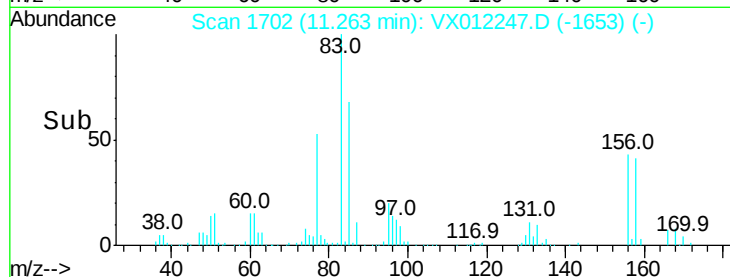
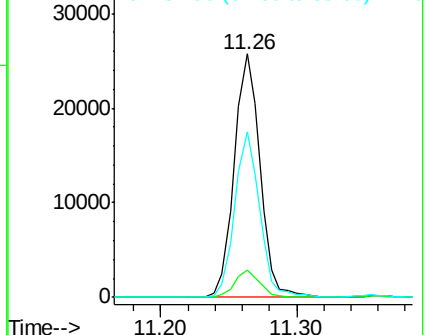
85 65.7 32.8 98.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.581 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012247.D

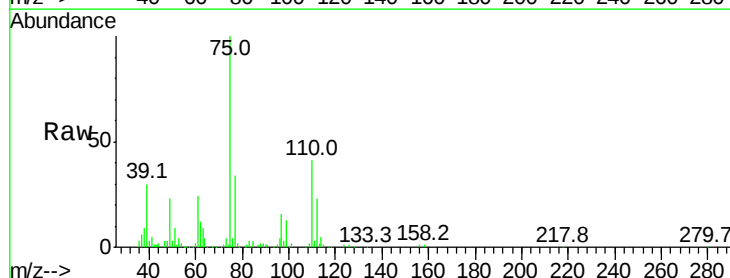
Acq: 10 Sep 2019 10:01

Tgt Ion: 75 Resp: 37219

Ion Ratio Lower Upper

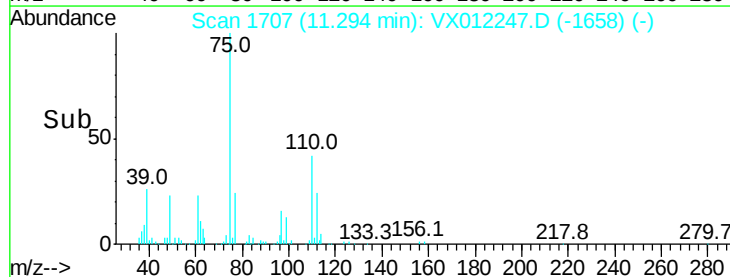
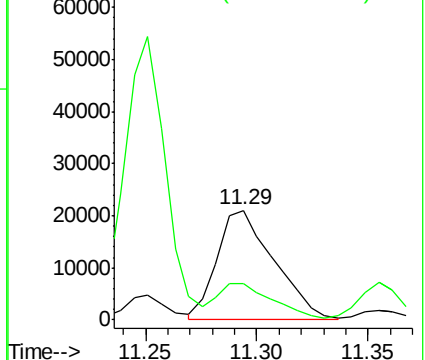
75 100

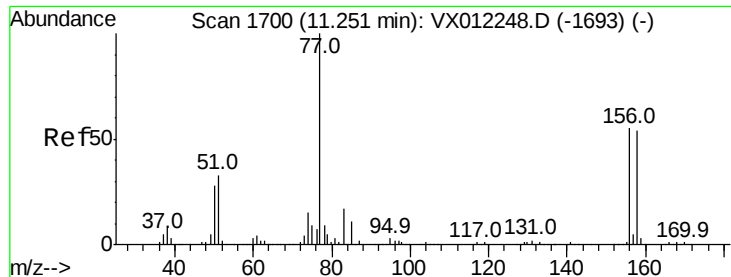
77 32.6 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.734 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

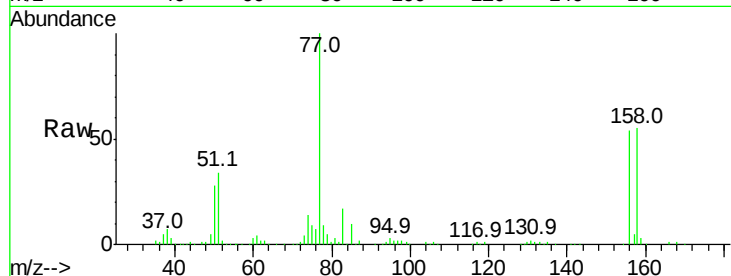
Tgt Ion:156 Resp: 37862

Ion Ratio Lower Upper

156 100

77 185.0 92.2 276.6

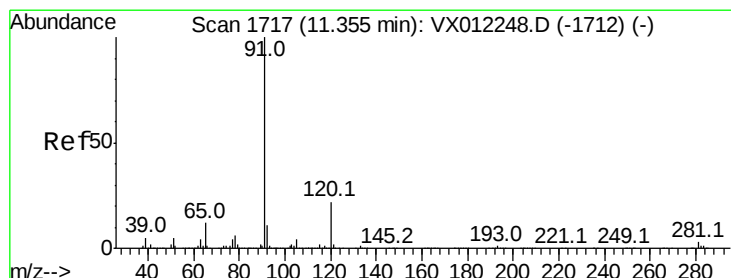
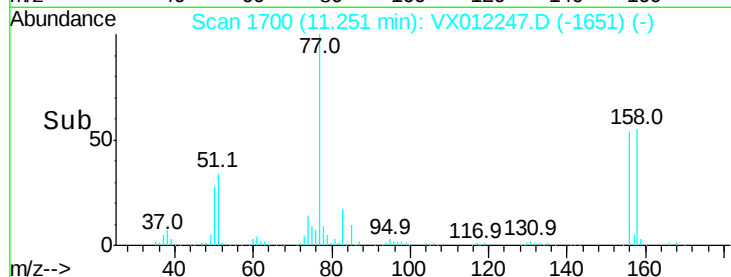
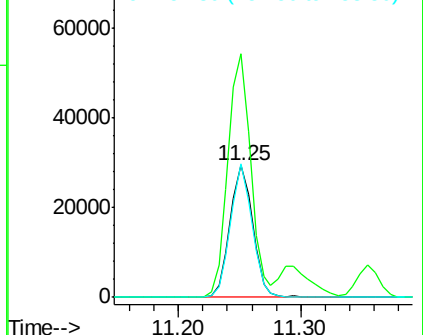
158 95.9 48.8 146.3



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: 19.497 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012247.D

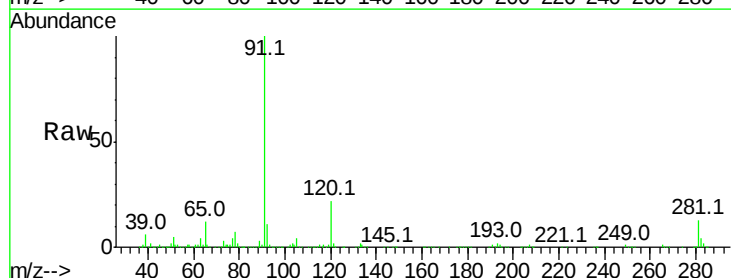
Acq: 10 Sep 2019 10:01

Tgt Ion: 91 Resp: 198396

Ion Ratio Lower Upper

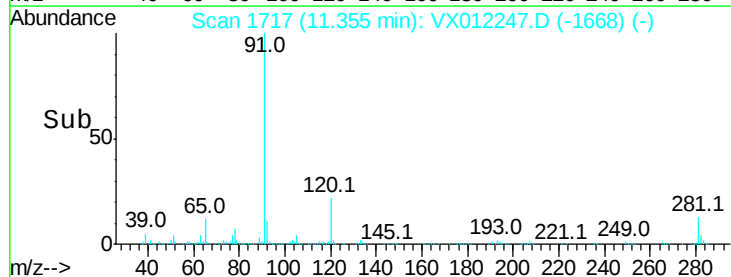
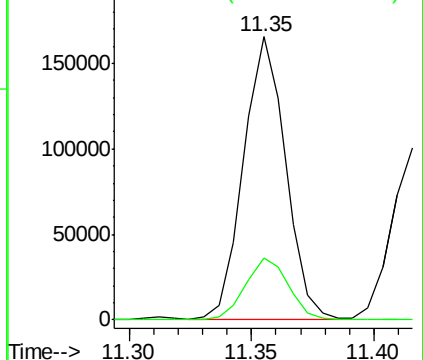
91 100

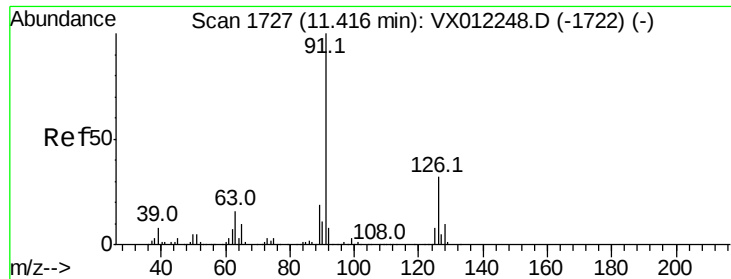
120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.280 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

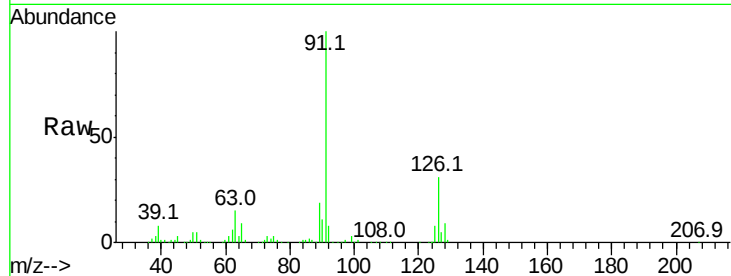
VSTDIC020

Tgt Ion: 91 Resp: 122457

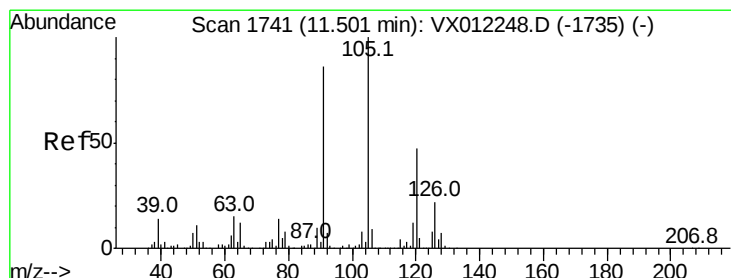
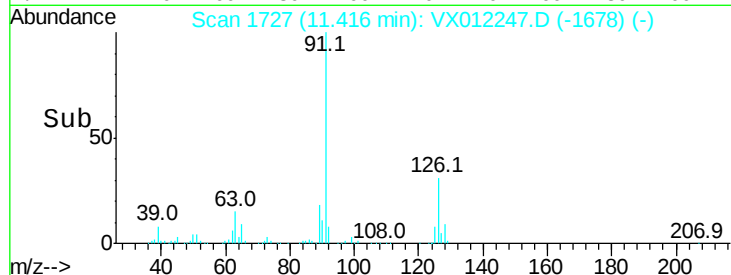
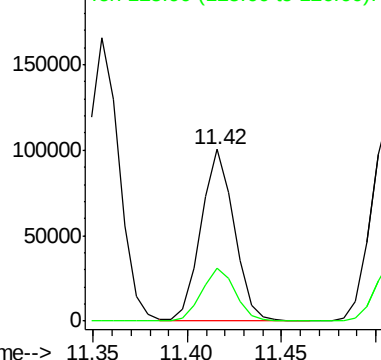
Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX012247.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.324 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012247.D

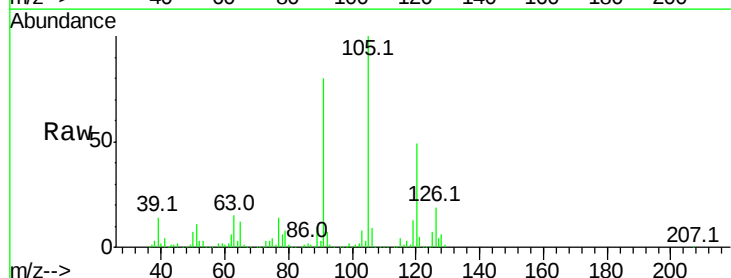
Acq: 10 Sep 2019 10:01

Tgt Ion: 105 Resp: 147885

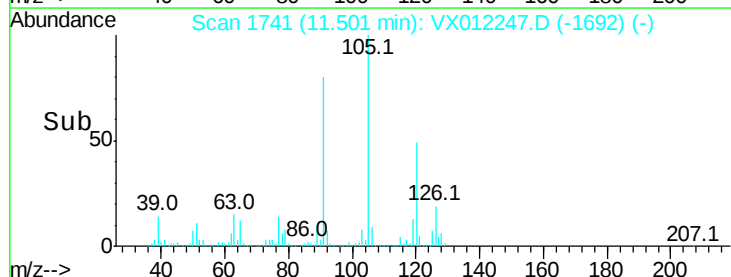
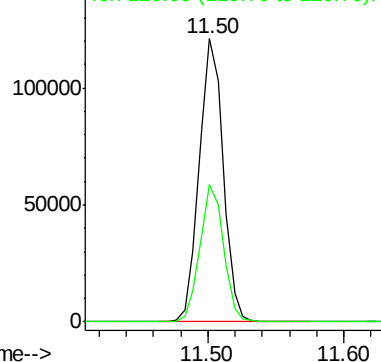
Ion Ratio Lower Upper

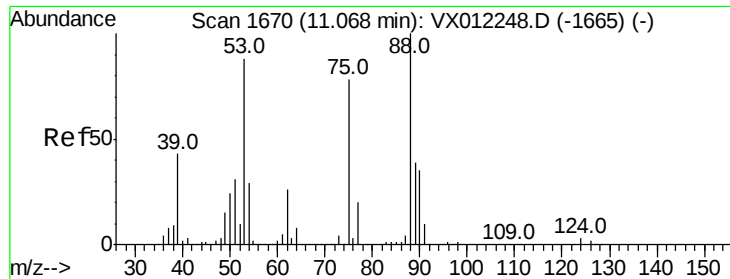
105 100

120 47.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VX012247.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.559 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

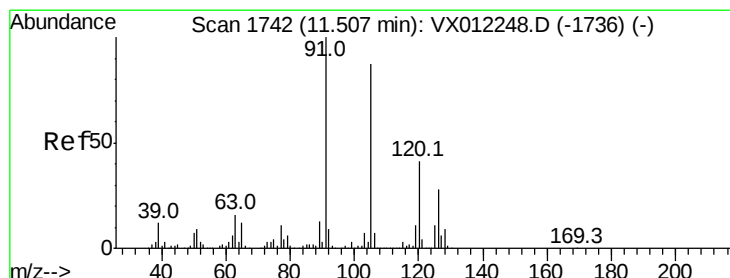
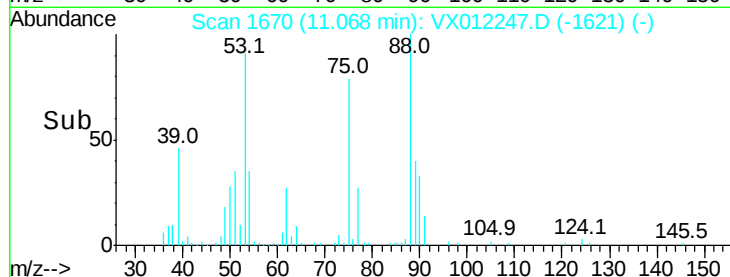
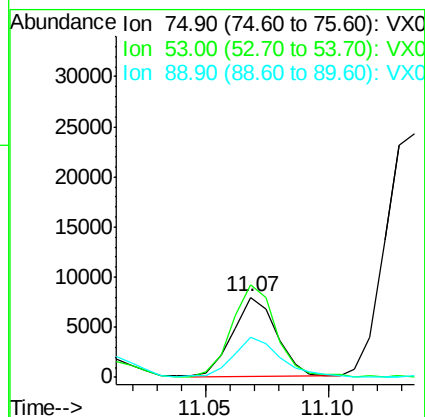
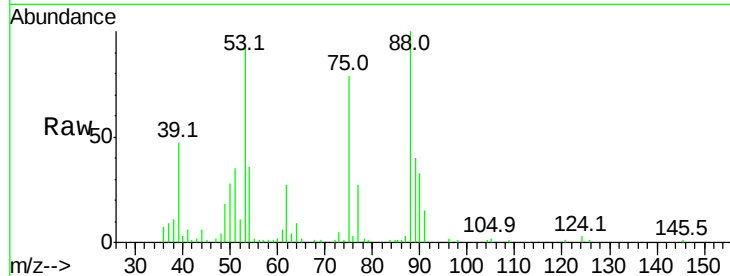
Tgt Ion: 75 Resp: 9882

Ion Ratio Lower Upper

75 100

53 117.7 88.1 132.1

89 53.2 43.5 65.3



#82

4-Chlorotoluene

Concen: 19.246 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012247.D

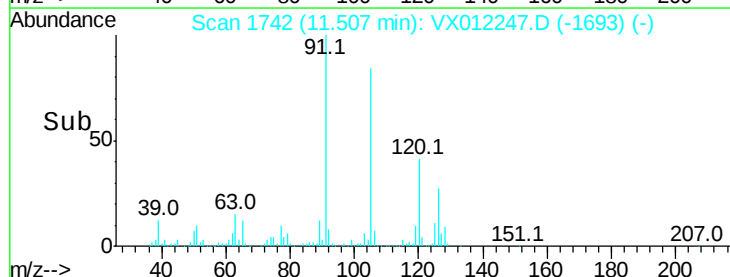
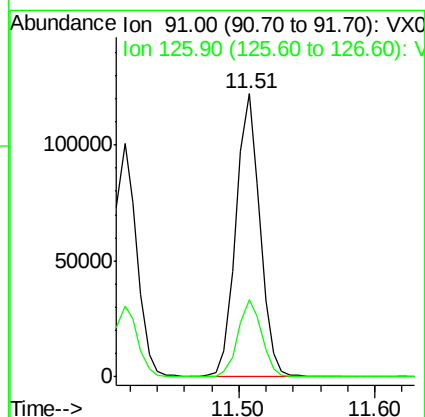
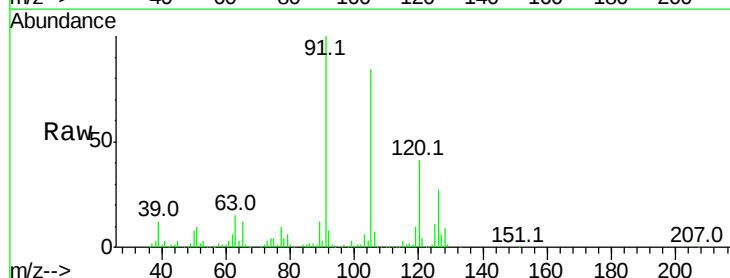
Acq: 10 Sep 2019 10:01

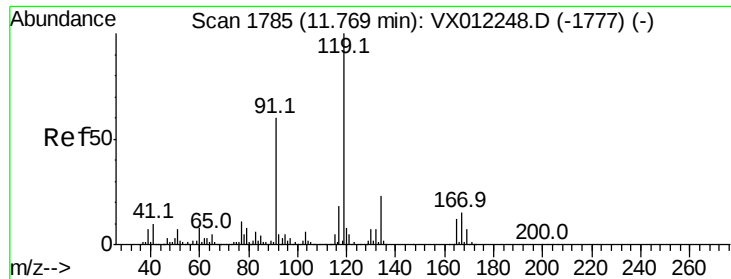
Tgt Ion: 91 Resp: 149636

Ion Ratio Lower Upper

91 100

126 27.3 14.0 42.0

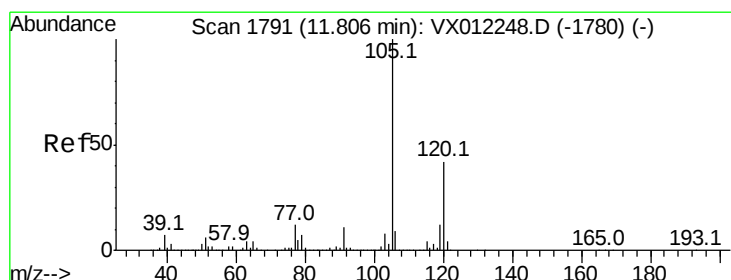
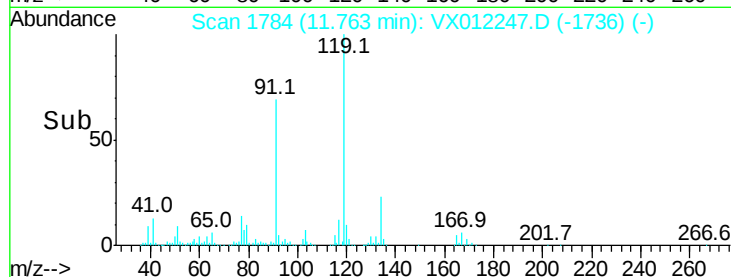
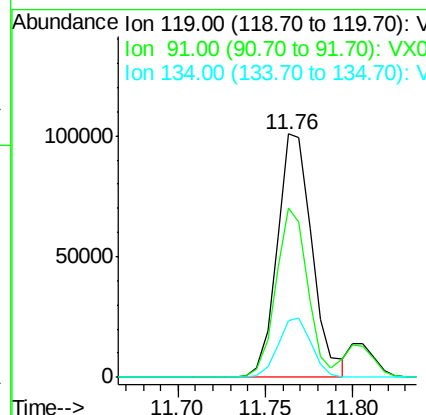
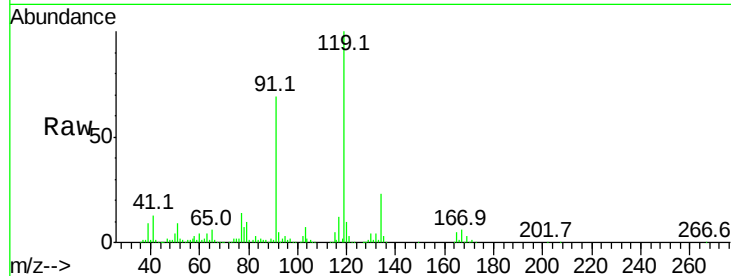




#83
tert-Butylbenzene
Concen: 18.960 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

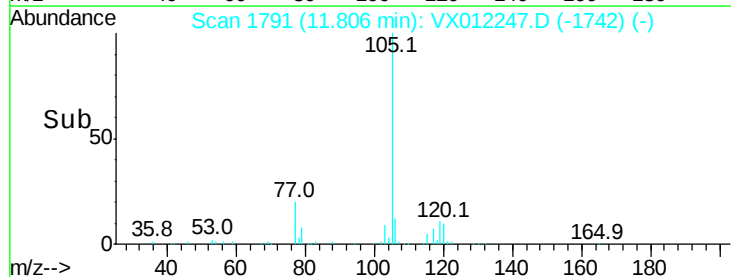
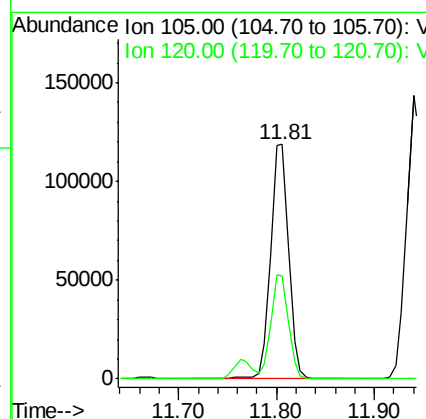
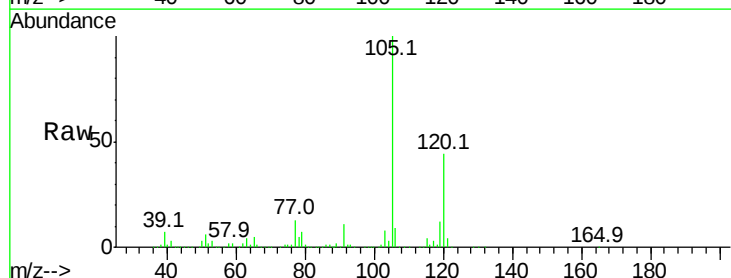
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

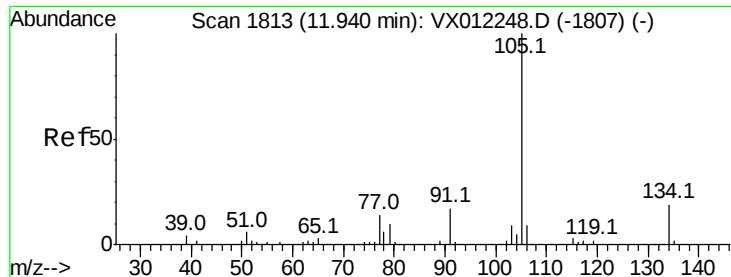
Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.4	30.9	92.8
134	23.1	11.2	33.6



#84
1,2,4-Trimethylbenzene
Concen: 19.186 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.3	63.9





#85

sec-Butylbenzene

Concen: 19.918 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

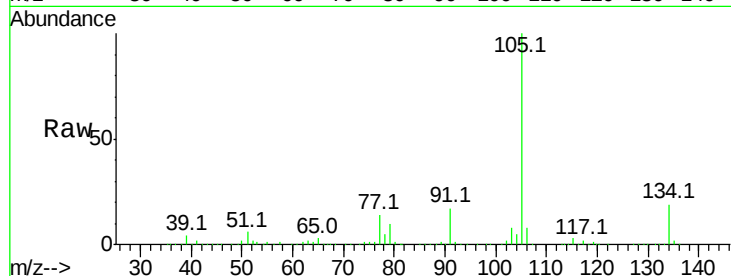
VSTDIC020

Tgt Ion:105 Resp: 173715

Ion Ratio Lower Upper

105 100

134 19.4 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

150000

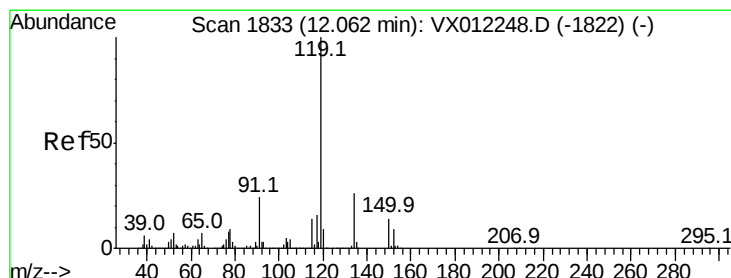
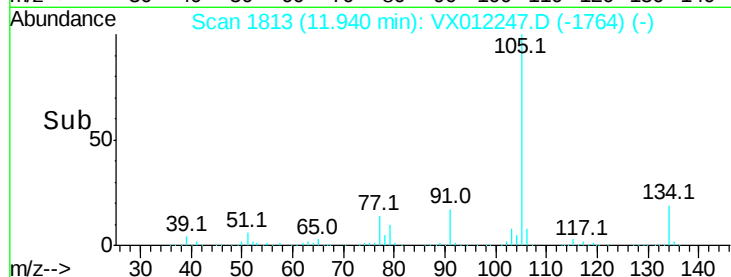
100000

50000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 19.341 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

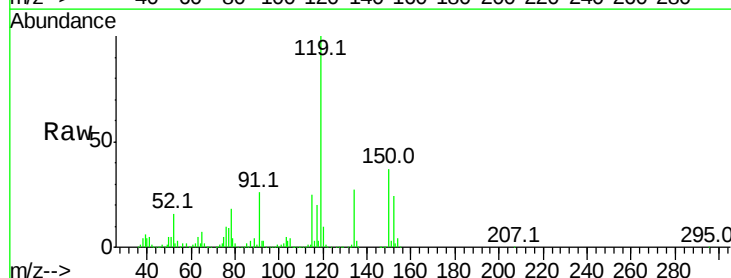
Tgt Ion:119 Resp: 156400

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

91 27.3 13.1 39.1



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): V

12.06

150000

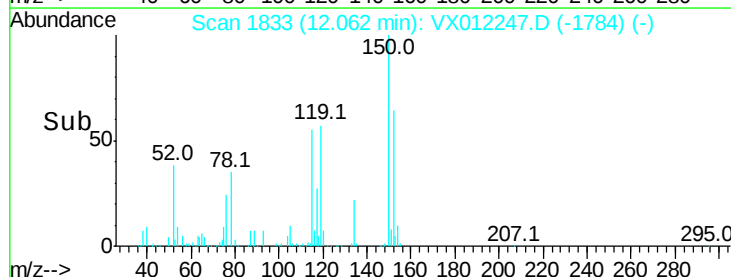
100000

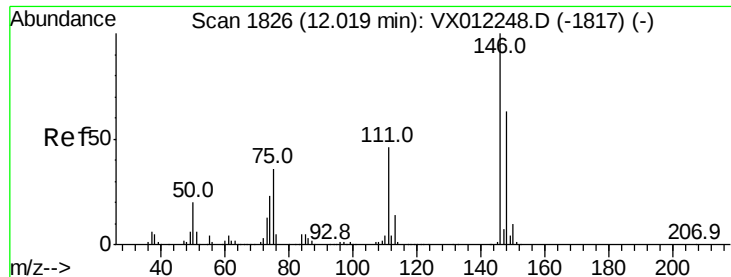
50000

0

Time-->

12.00 12.10 12.20





#87

1,3-Dichlorobenzene

Concen: 18.739 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

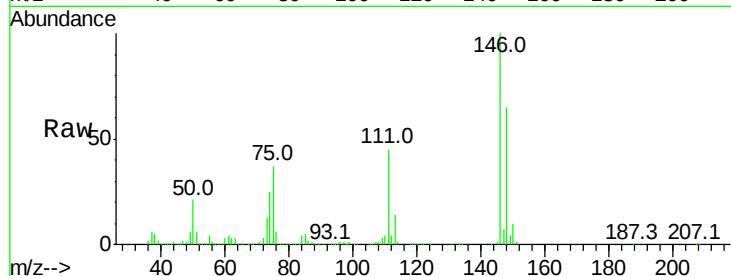
Tgt Ion:146 Resp: 75104

Ion Ratio Lower Upper

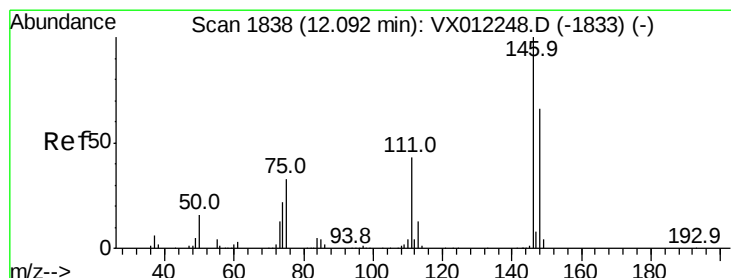
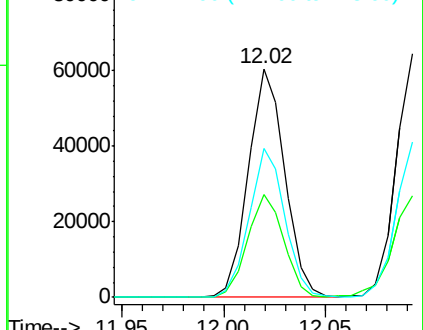
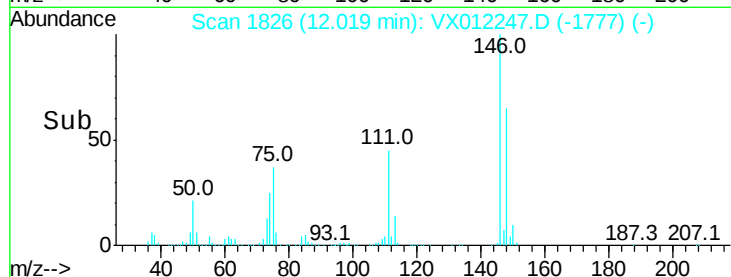
146 100

111 44.9 22.3 66.8

148 63.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.194 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

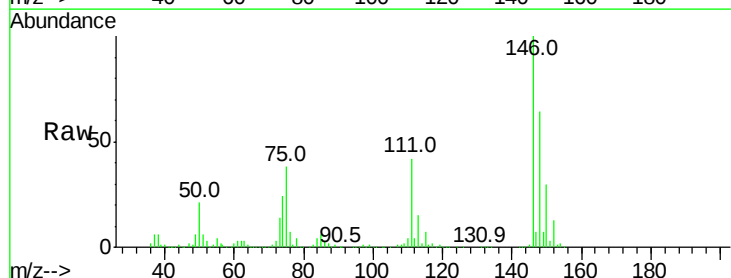
Tgt Ion:146 Resp: 77140

Ion Ratio Lower Upper

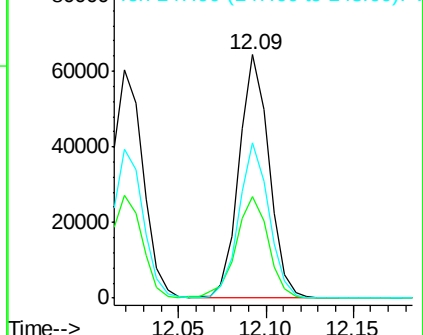
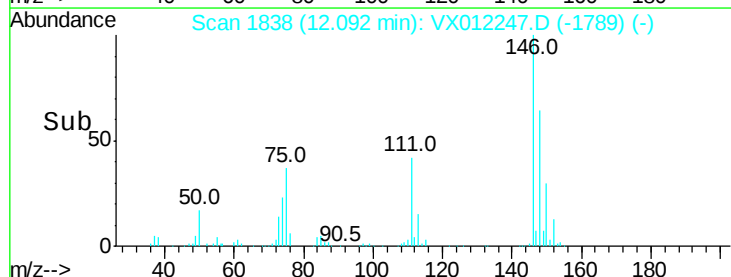
146 100

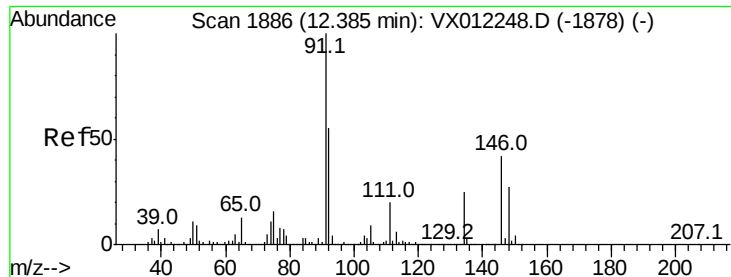
111 45.1 21.6 64.8

148 63.9 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

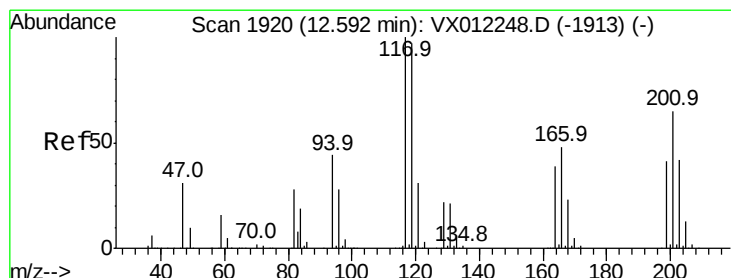
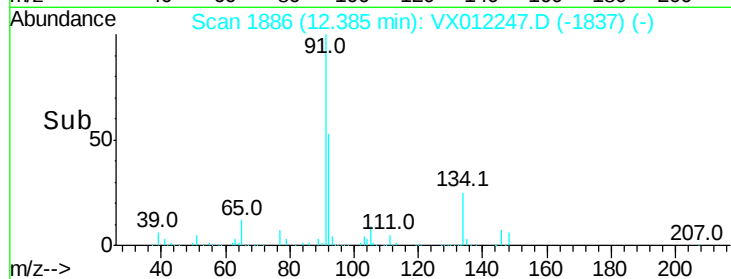
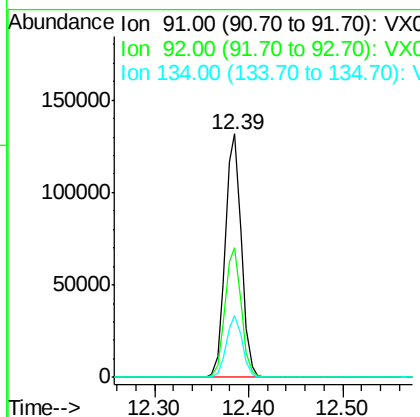
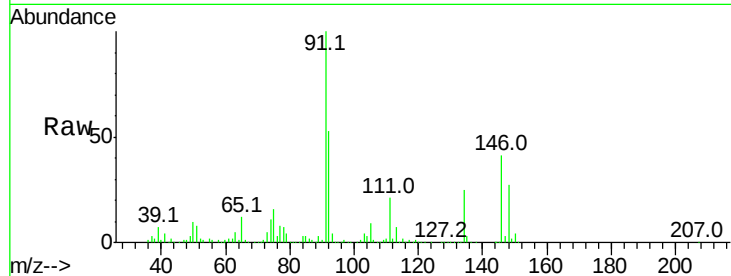




#89
n-Butylbenzene
Concen: 20.069 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

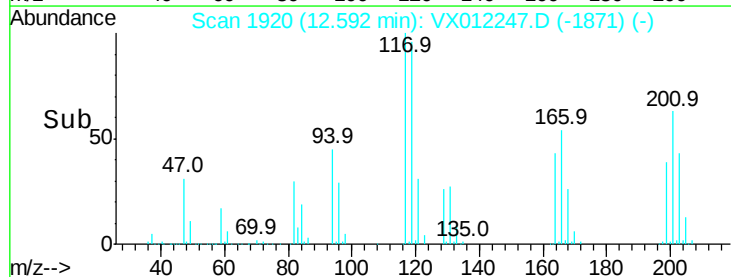
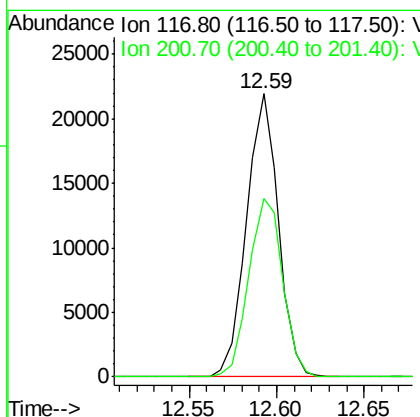
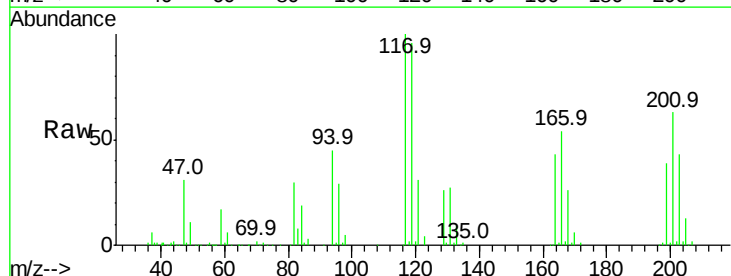
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

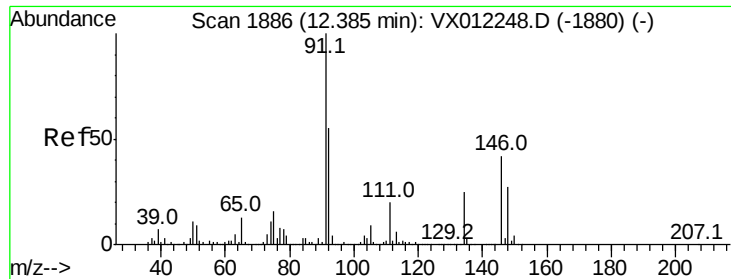
Tgt Ion: 91 Resp: 155684
Ion Ratio Lower Upper
91 100
92 53.6 27.6 82.7
134 25.2 12.5 37.5



#90
Hexachloroethane
Concen: 18.695 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion: 117 Resp: 27723
Ion Ratio Lower Upper
117 100
201 67.0 32.2 96.6

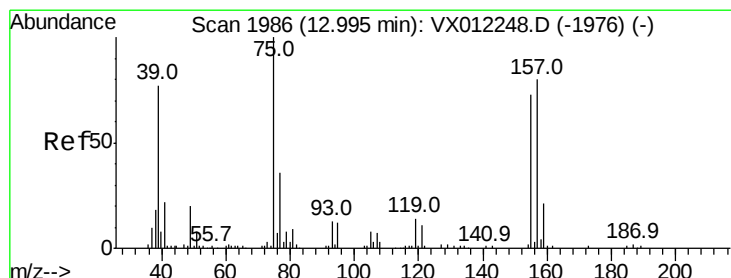
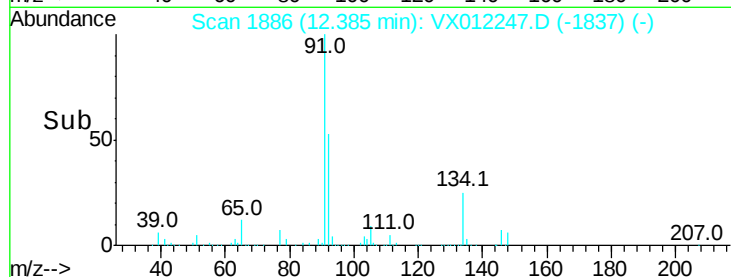
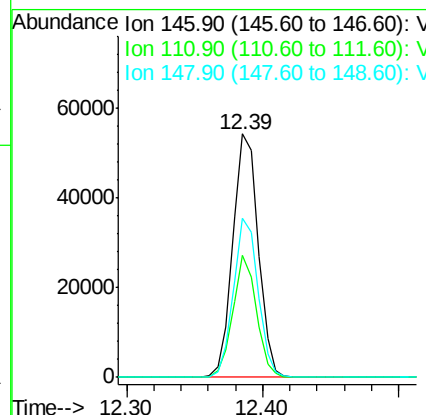
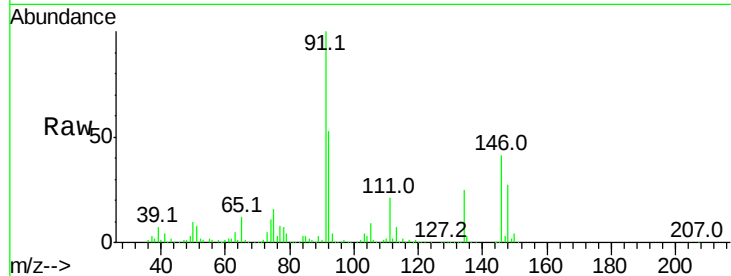




#91
 1,2-Dichlorobenzene
 Concen: 18.841 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

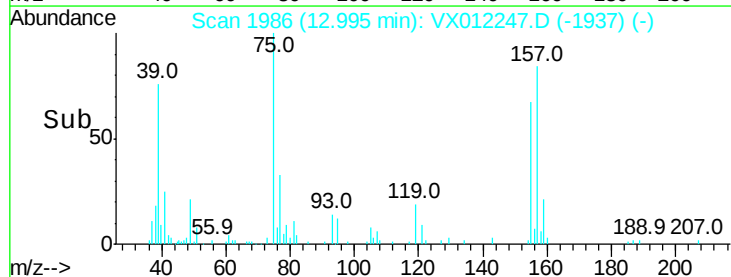
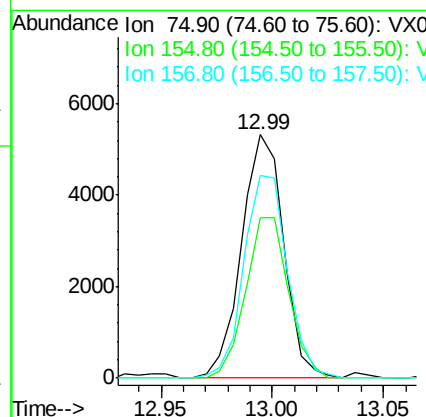
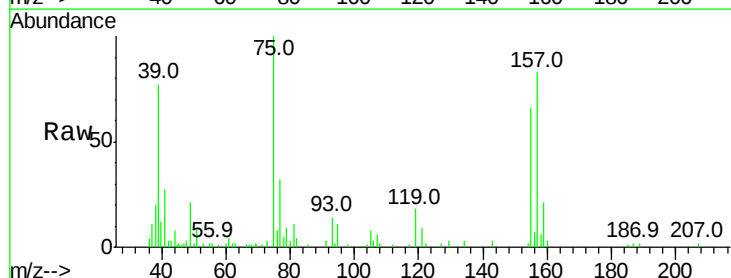
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

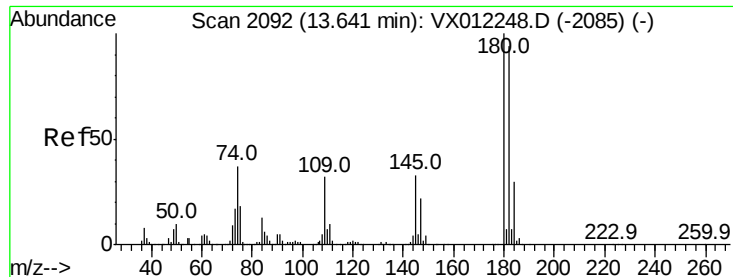
Tgt Ion:146 Resp: 70659
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.2 69.6
 148 63.2 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.664 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion: 75 Resp: 7031
 Ion Ratio Lower Upper
 75 100
 155 67.2 35.3 105.7
 157 86.4 43.2 129.6

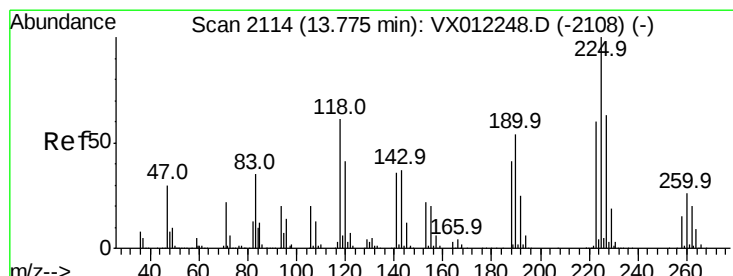
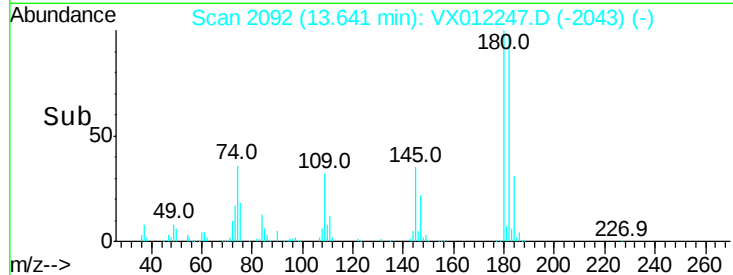
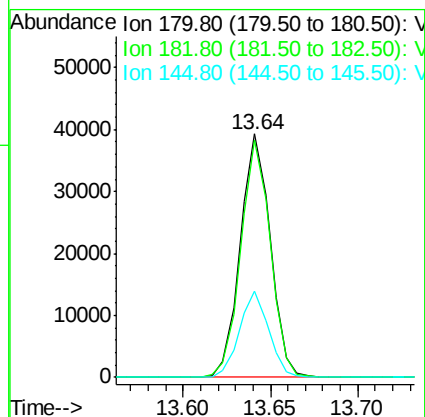
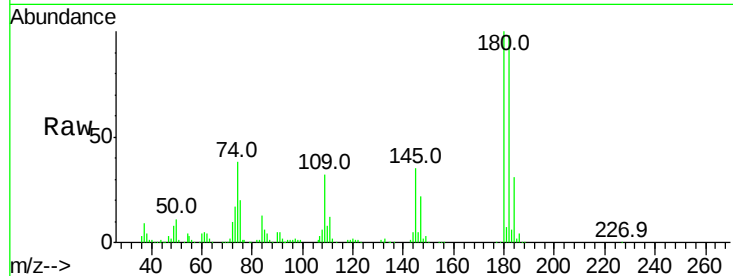




#93
 1,2,4-Trichlorobenzene
 Concen: 18.977 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

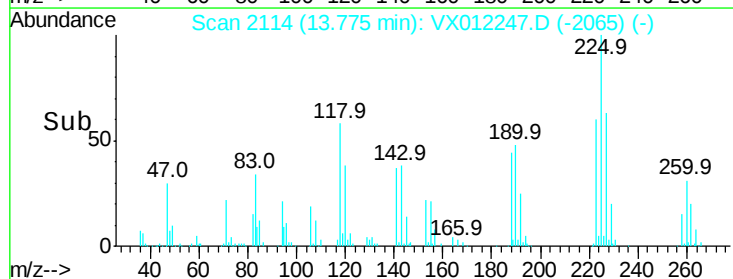
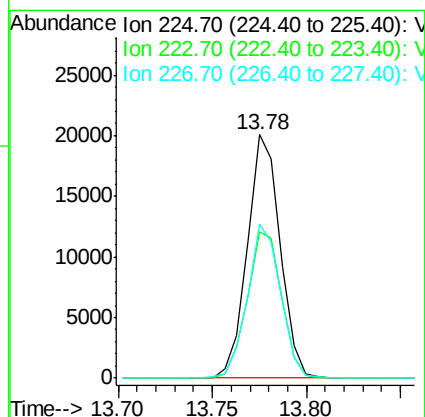
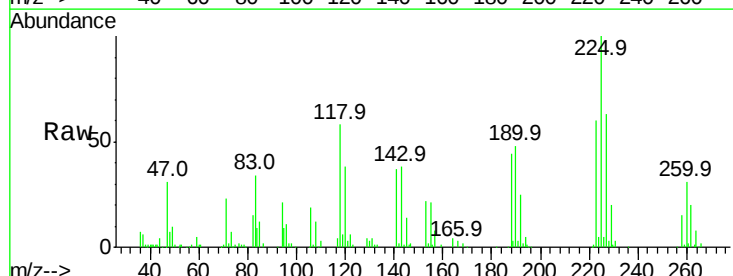
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

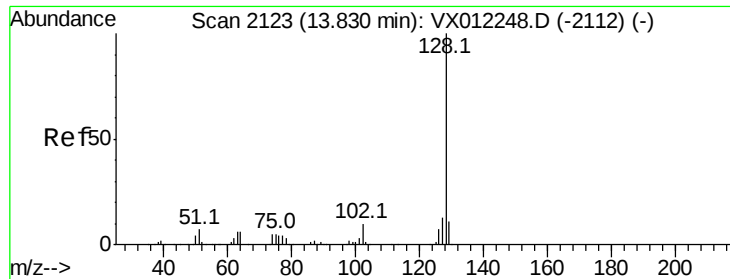
Tgt Ion:180 Resp: 47061
 Ion Ratio Lower Upper
 180 100
 182 96.0 46.9 140.8
 145 34.6 17.1 51.2



#94
 Hexachlorobutadiene
 Concen: 20.230 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion:225 Resp: 24271
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.1 96.5
 227 63.5 32.5 97.5

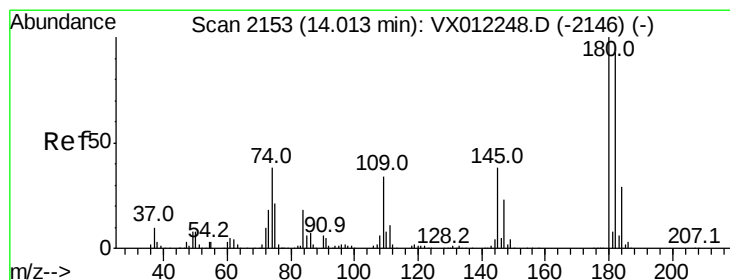
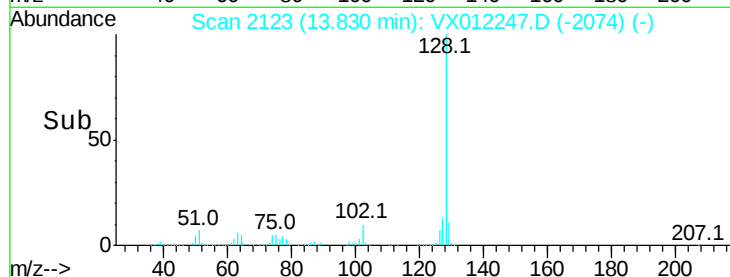
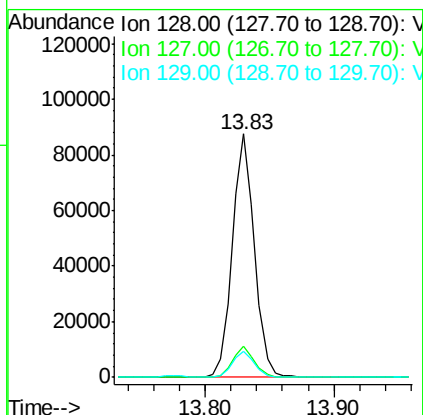
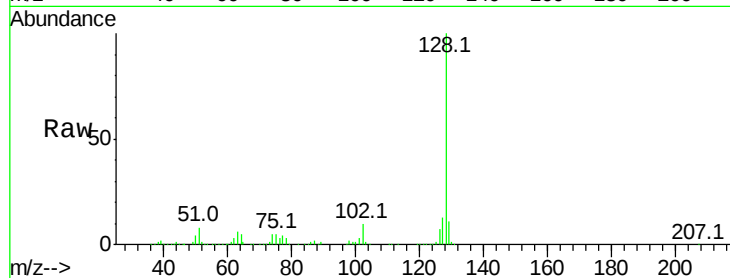




#95
Naphthalene
Concen: 19.185 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 104465
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.295 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion:180 Resp: 41842
Ion Ratio Lower Upper
180 100
182 95.0 47.0 141.0
145 38.7 18.6 55.8

