

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091619\
 Data File : VX012407.D
 Acq On : 16 Sep 2019 14:21
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 17 04:21:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:04:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	118542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	187215	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	184356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115211	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	356989	246.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	492.82%	
35) Dibromofluoromethane	5.49	113	266551	199.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	399.94%	
50) Toluene-d8	8.71	98	985561	211.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	422.64%	
62) 4-Bromofluorobenzene	11.14	95	423816	226.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	452.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	172811	157.129	ug/l	99
3) Chloromethane	1.31	50	149876	154.005	ug/l	100
4) Vinyl Chloride	1.40	62	160511	162.819	ug/l	99
5) Bromomethane	1.62	94	59134	115.148	ug/l	98
6) Chloroethane	1.69	64	72440	124.668	ug/l	100
7) Trichlorofluoromethane	1.91	101	284867	176.067	ug/l	99
8) Diethyl Ether	2.18	74	119330	207.237	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	203126	197.765	ug/l	100
10) Methyl Iodide	2.49	142	210045	177.473	ug/l	99
11) Tert butyl alcohol	3.06	59	441847	1421.514	ug/l	99
12) 1,1-Dichloroethene	2.35	96	165289	170.559	ug/l	94
13) Acrolein	2.28	56	191172	1511.724	ug/l	100
14) Allyl chloride	2.71	41	376809	231.999	ug/l	100
15) Acrylonitrile	3.14	53	788779	1270.121	ug/l	99
16) Acetone	2.44	43	753056	1241.660	ug/l	99
17) Carbon Disulfide	2.55	76	238711	107.835	ug/l	98
18) Methyl Acetate	2.76	43	367812	233.686	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	855629	247.049	ug/l	99
20) Methylene Chloride	2.84	84	217980	193.033	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	173369	168.038	ug/l	93
22) Diisopropyl ether	3.85	45	839565	253.577	ug/l	91
23) Vinyl Acetate	3.81	43	3624964	1315.443	ug/l	99
24) 1,1-Dichloroethane	3.68	63	421197	226.711	ug/l	99
25) 2-Butanone	4.67	43	1183047	1334.346	ug/l	100
26) 2,2-Dichloropropane	4.57	77	388550	237.976	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	250408	200.765	ug/l	100
28) Bromochloromethane	5.01	49	199156	231.667	ug/l	100
29) Tetrahydrofuran	5.12	42	704894	1278.480	ug/l	99
30) Chloroform	5.20	83	460954	225.498	ug/l	99
31) Cyclohexane	5.56	56	259975	172.021	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	406680	230.667	ug/l	100
36) 1,1-Dichloropropene	5.79	75	265309	174.518	ug/l	99
37) Ethyl Acetate	4.83	43	420282	239.893	ug/l	99
38) Carbon Tetrachloride	5.77	117	340846	192.608	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	272772	151.143	ug/l	98
40) Benzene	6.14	78	843887	177.264	ug/l	98
41) Methacrylonitrile	5.04	41	248652	240.024	ug/l	99
42) 1,2-Dichloroethane	6.18	62	372286	205.438	ug/l	99
43) Isopropyl Acetate	6.43	43	724068	251.128	ug/l	100
44) Trichloroethene	7.21	130	228184	160.092	ug/l	97
45) 1,2-Dichloropropane	7.51	63	251233	204.212	ug/l	97
46) Dibromomethane	7.65	93	169367	189.856	ug/l	99
47) Bromodichloromethane	7.89	83	390885	231.673	ug/l	99
48) Methyl methacrylate	7.76	41	352051	249.512	ug/l	99
49) 1,4-Dioxane	7.74	88	164437	4293.753	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2365381	1243.925	ug/l	99
52) Toluene	8.78	92	553504	180.139	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	422823	239.798	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	425176	224.047	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	277882	209.249	ug/l	96
56) Ethyl methacrylate	9.17	69	466268	243.532	ug/l	100
57) 1,3-Dichloropropane	9.37	76	446735	205.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1198053	1179.949	ug/l	100
59) 2-Hexanone	9.49	43	1823003	1253.677	ug/l	100
60) Dibromochloromethane	9.58	129	327313	227.136	ug/l	100
61) 1,2-Dibromoethane	9.67	107	272856	196.879	ug/l	99
64) Tetrachloroethene	9.33	164	179902	126.138	ug/l	95
65) Chlorobenzene	10.14	112	667667	176.984	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	293586	203.225	ug/l	99
67) Ethyl Benzene	10.25	91	1163903	185.229	ug/l	98
68) m/p-Xylenes	10.35	106	859665	359.241	ug/l	98
69) o-Xylene	10.70	106	444360	186.727	ug/l	100
70) Styrene	10.71	104	818138	202.979	ug/l	99
71) Bromoform	10.85	173	249525	204.640	ug/l	100
73) Isopropylbenzene	11.01	105	1240938	171.908	ug/l	100
74) N-amyl acetate	10.89	43	673097	224.111	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	484236	194.099	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	571961	256.470	ug/l	89
77) Bromobenzene	11.25	156	315967	151.865	ug/l	99
78) n-propylbenzene	11.35	91	1424634	183.392	ug/l	99
79) 2-Chlorotoluene	11.42	91	890024	182.664	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1079720	178.268	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	175353	234.987	ug/l	94
82) 4-Chlorotoluene	11.51	91	1047469	185.665	ug/l	99
83) tert-Butylbenzene	11.77	119	1136553	187.971	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1106171	180.419	ug/l	99
85) sec-Butylbenzene	11.94	105	1285917	185.782	ug/l	100
86) p-Isopropyltoluene	12.06	119	1195915	181.796	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	600455	166.533	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	606880	165.495	ug/l	100
89) n-Butylbenzene	12.39	91	1086684	196.668	ug/l	100
90) Hexachloroethane	12.59	117	242179	226.661	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	594570	161.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	132466	221.744	ug/l	99

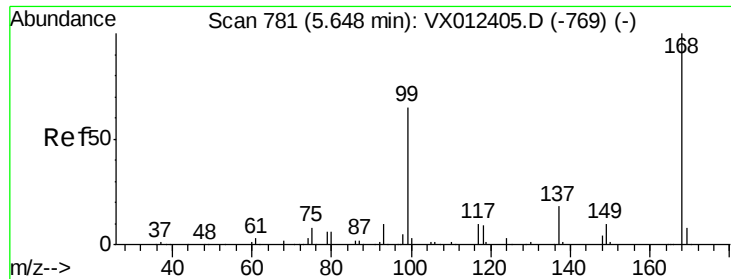
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	429133	162.334	ug/l	99
94) Hexachlorobutadiene	13.78	225	195494	136.274	ug/l	98
95) Naphthalene	13.83	128	1486322	193.261	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	425518	159.530	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

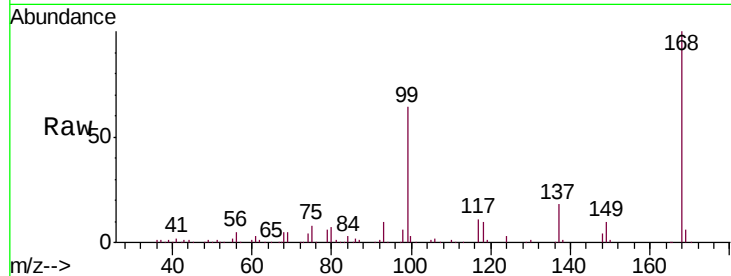
VSTDIC150

Tgt Ion:168 Resp: 118542

Ion Ratio Lower Upper

168 100

99 63.5 51.8 77.6



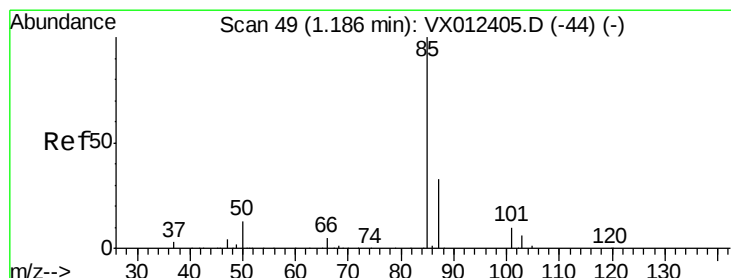
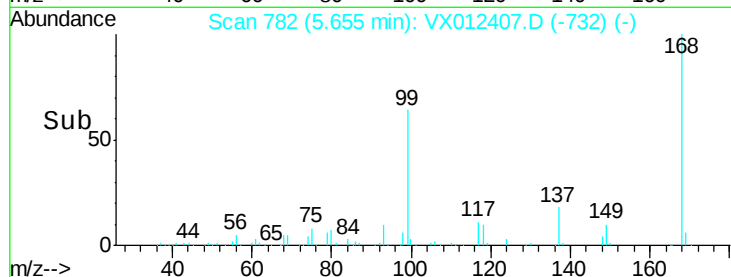
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

Time-->

5.50 5.60 5.70 5.80

5.65



#2

Dichlorodifluoromethane

Concen: 157.129 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012407.D

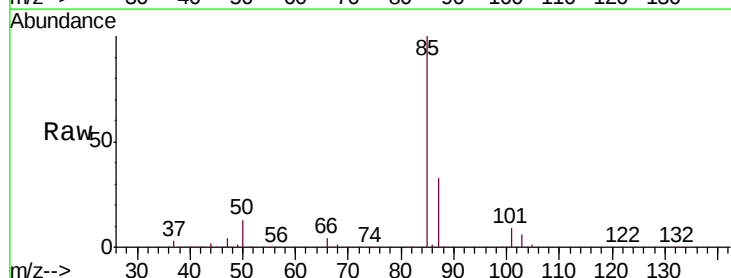
Acq: 16 Sep 2019 14:21

Tgt Ion: 85 Resp: 172811

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.2



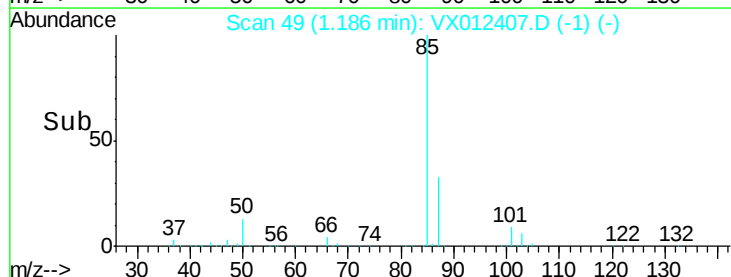
Abundance Ion 84.90 (84.60 to 85.60): VX0

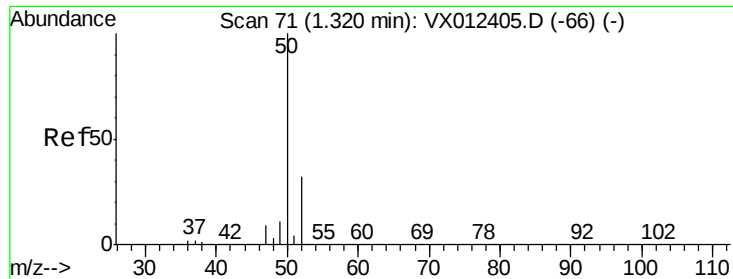
Ion 86.90 (86.60 to 87.60): VX0

Time-->

1.10 1.20 1.30

1.19





#3

Chloromethane

Concen: 154.005 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

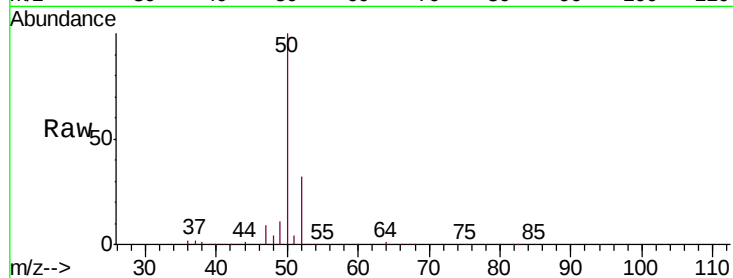
VSTDIC150

Tgt Ion: 50 Resp: 149876

Ion Ratio Lower Upper

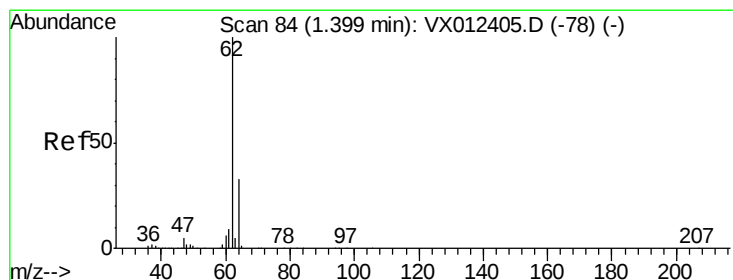
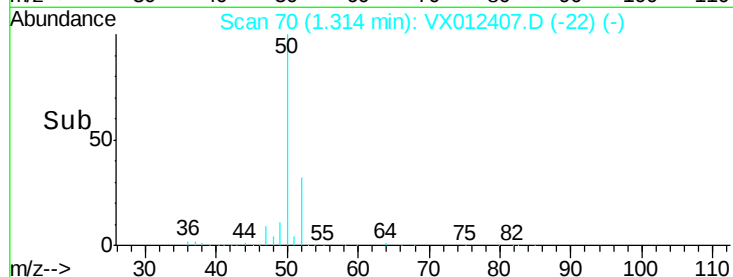
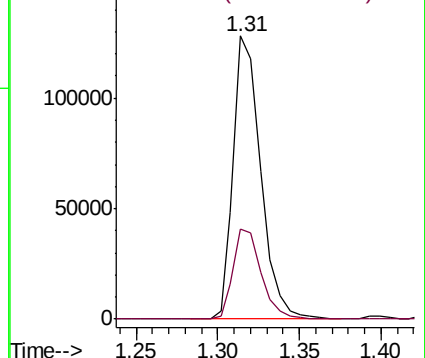
50 100

52 31.7 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 162.819 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012407.D

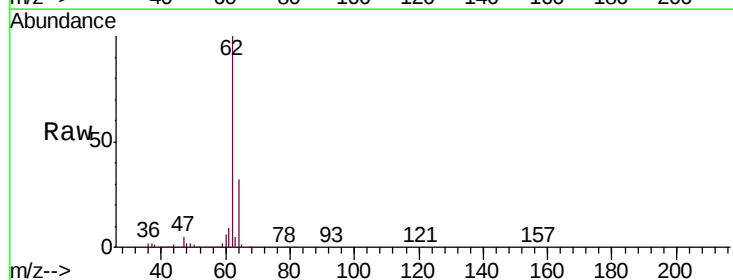
Acq: 16 Sep 2019 14:21

Tgt Ion: 62 Resp: 160511

Ion Ratio Lower Upper

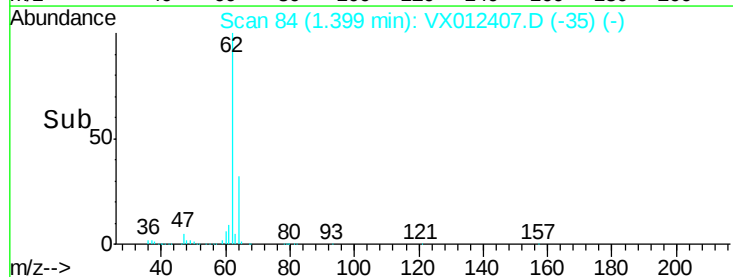
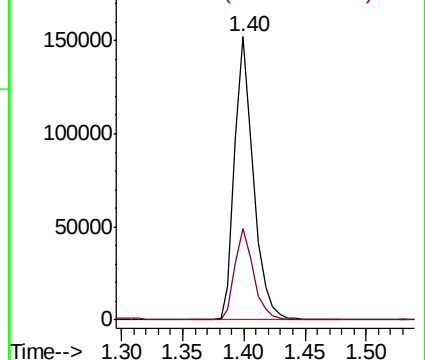
62 100

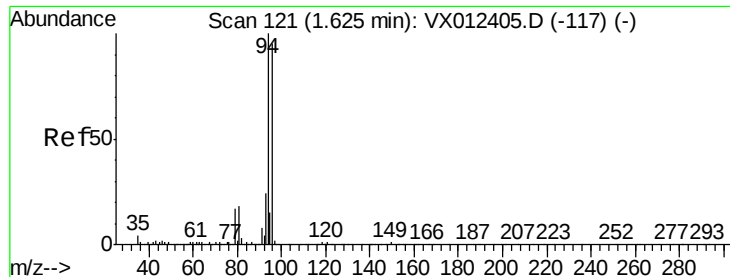
64 32.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 115.148 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

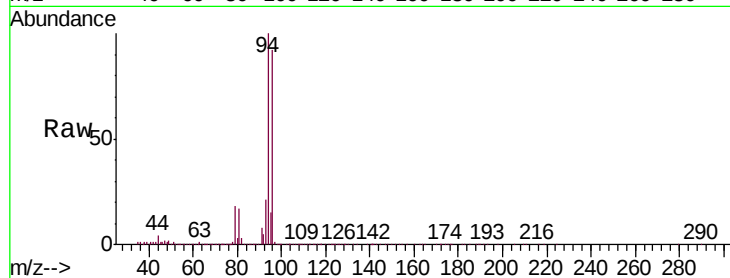
VSTDIC150

Tgt Ion: 94 Resp: 59134

Ion Ratio Lower Upper

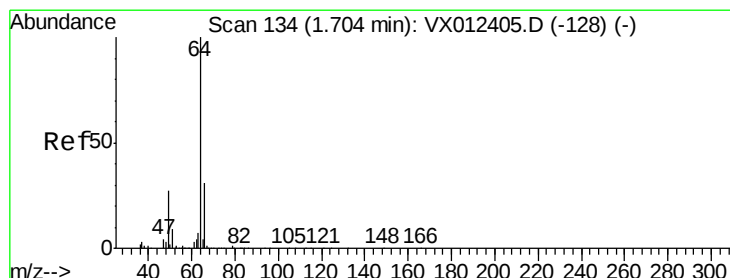
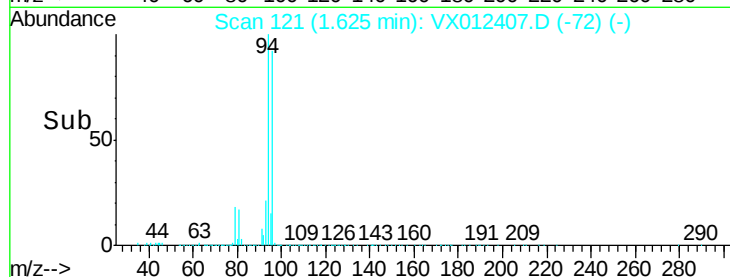
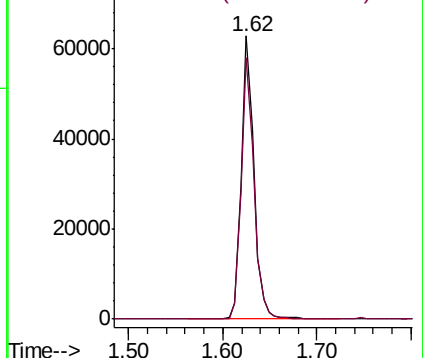
94 100

96 92.3 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 124.668 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.01 min

Lab File: VX012407.D

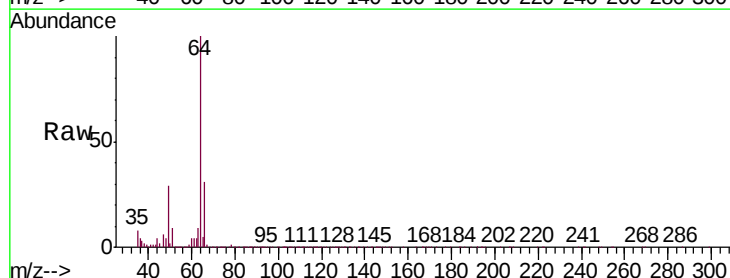
Acq: 16 Sep 2019 14:21

Tgt Ion: 64 Resp: 72440

Ion Ratio Lower Upper

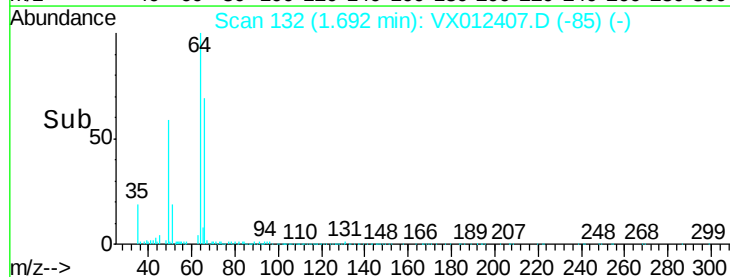
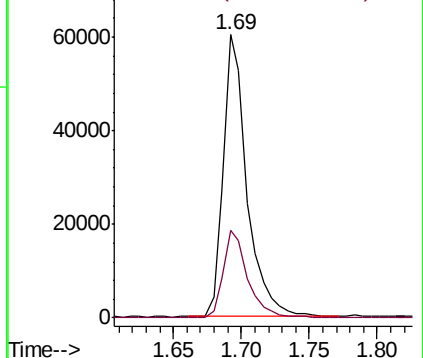
64 100

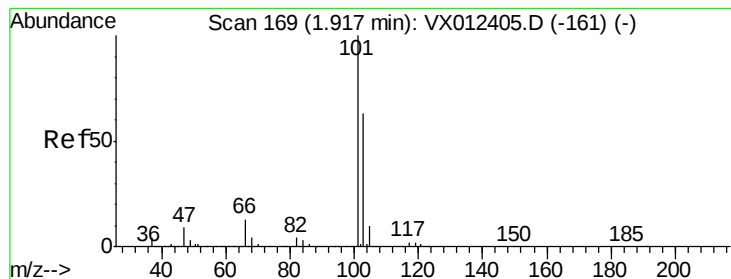
66 30.9 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



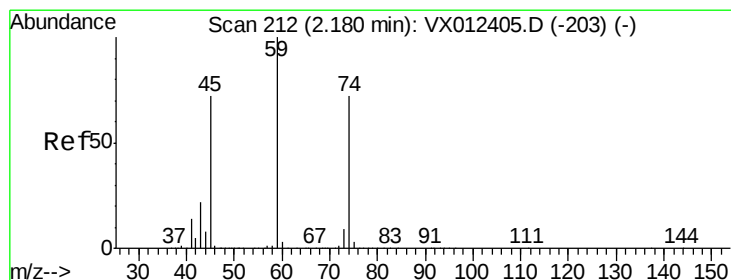
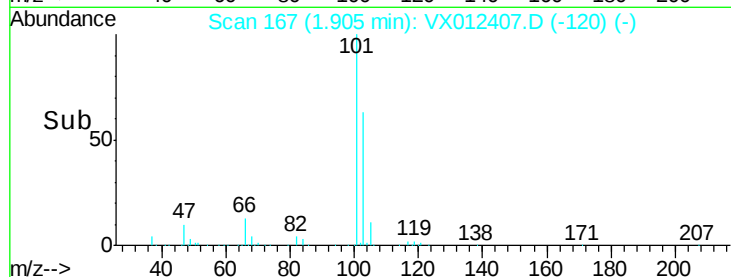
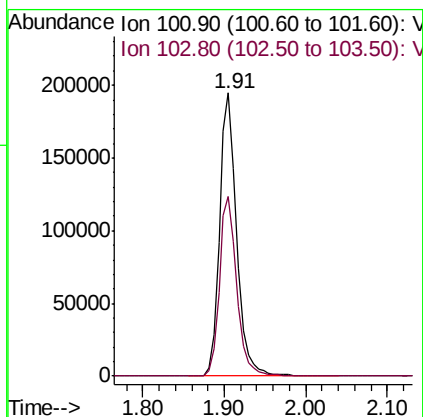
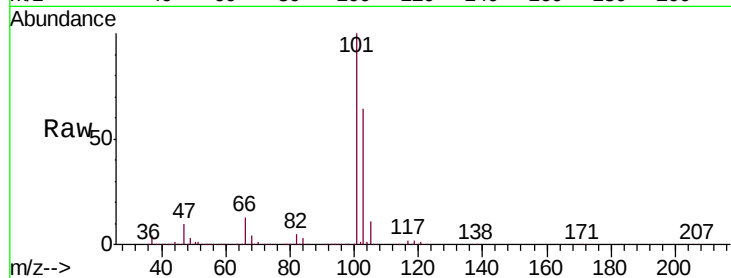


#7

Trichlorofluoromethane
 Concen: 176.067 ug/l
 RT: 1.91 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

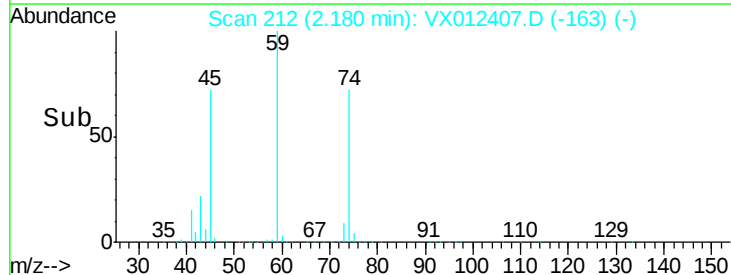
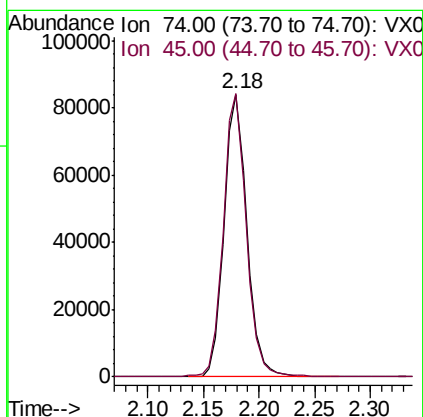
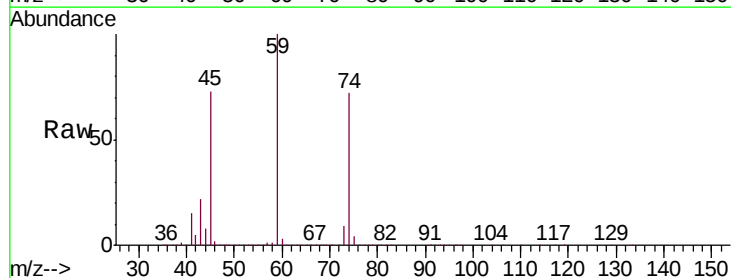
Tgt Ion:101 Resp: 284867
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.5 75.7

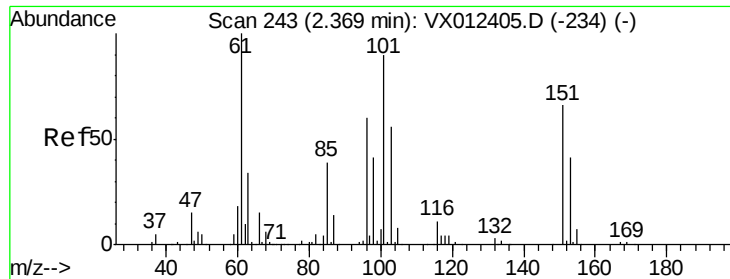


#8

Diethyl Ether
 Concen: 207.237 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion: 74 Resp: 119330
 Ion Ratio Lower Upper
 74 100
 45 100.3 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 197.765 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

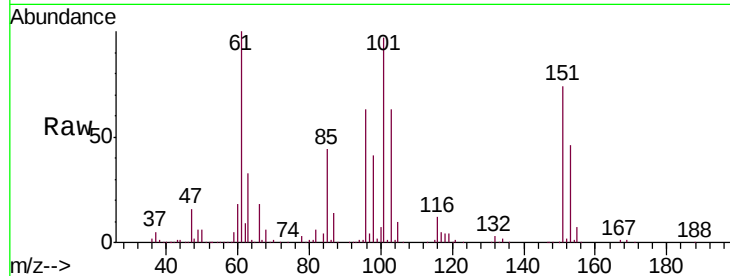
Tgt Ion:101 Resp: 203126

Ion Ratio Lower Upper

101 100

85 44.7 36.3 54.5

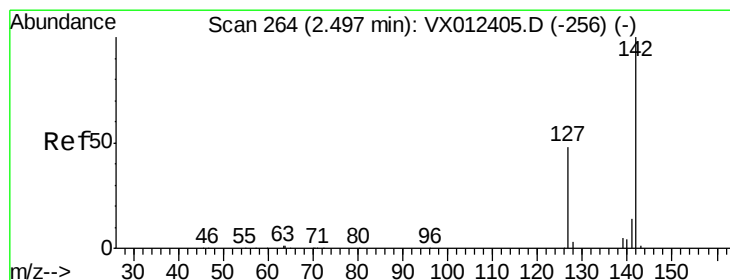
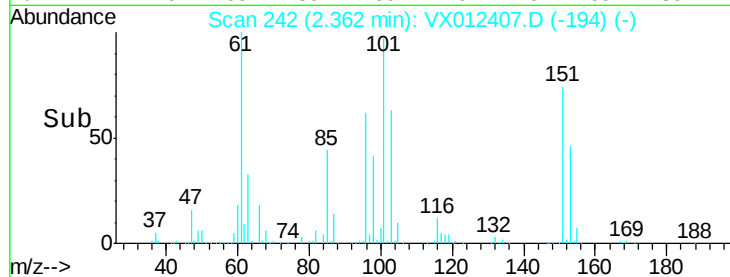
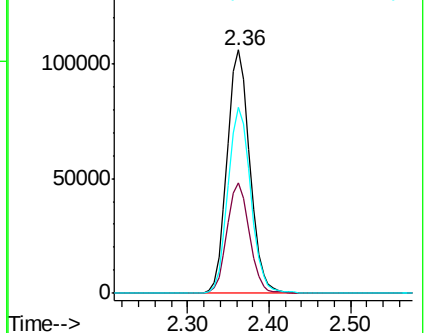
151 76.3 61.1 91.7



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: 177.473 ug/l

RT: 2.49 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

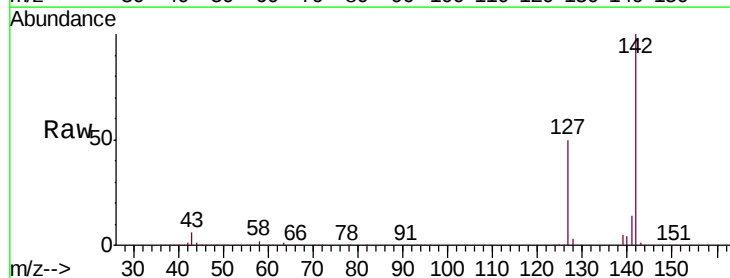
Tgt Ion:142 Resp: 210045

Ion Ratio Lower Upper

142 100

127 48.9 39.6 59.4

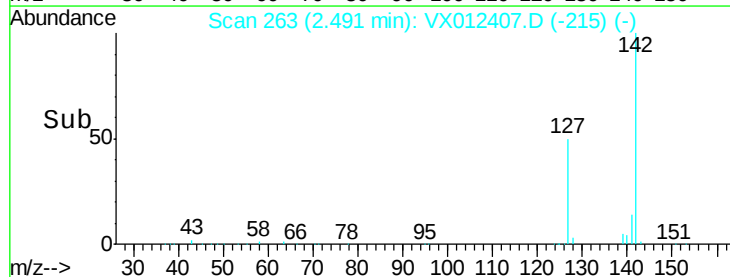
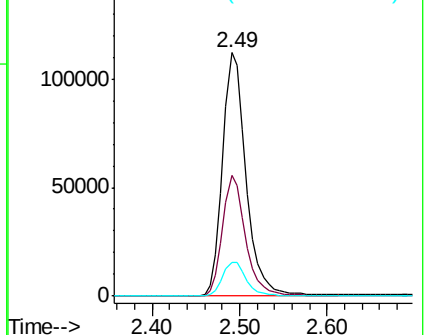
141 14.4 11.6 17.4

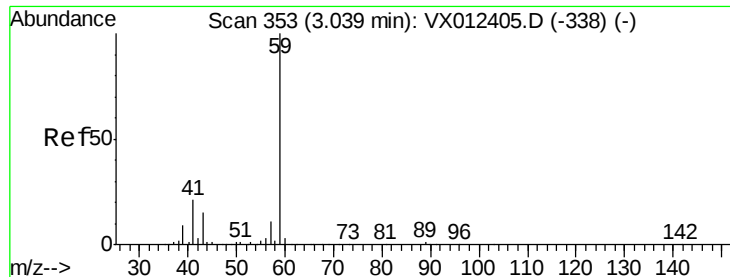


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

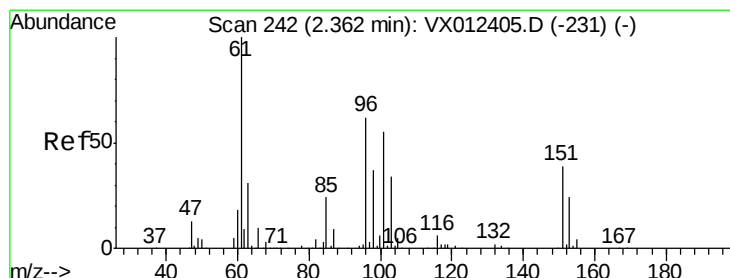
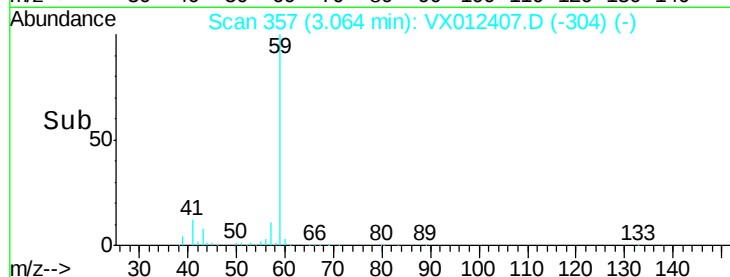
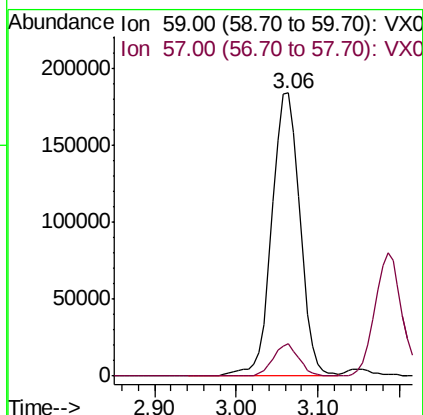
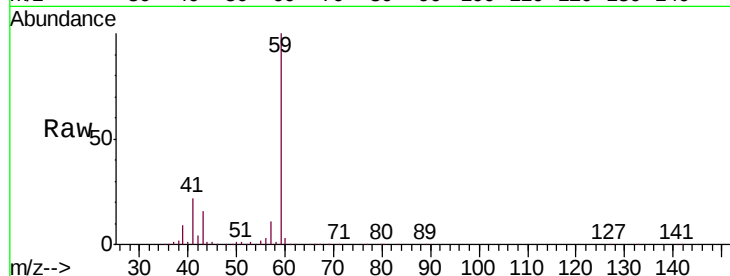




#11
Tert butyl alcohol
Concen: 1421.514 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

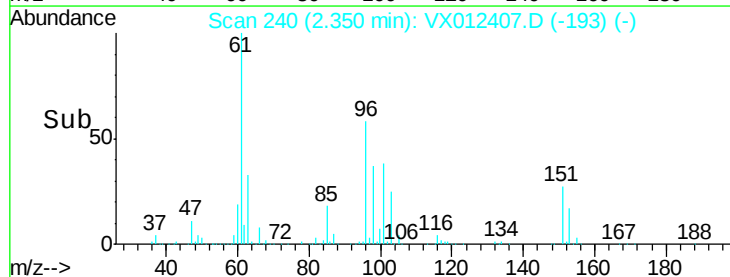
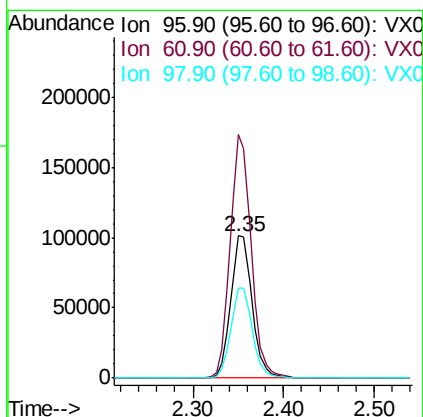
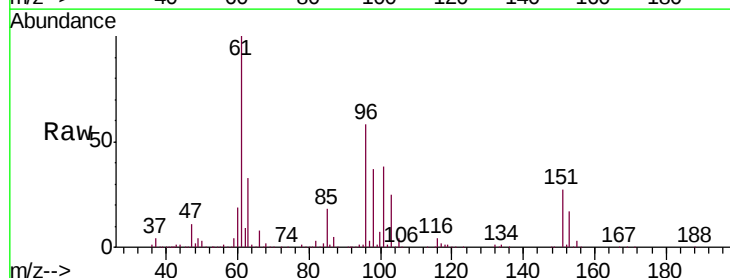
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

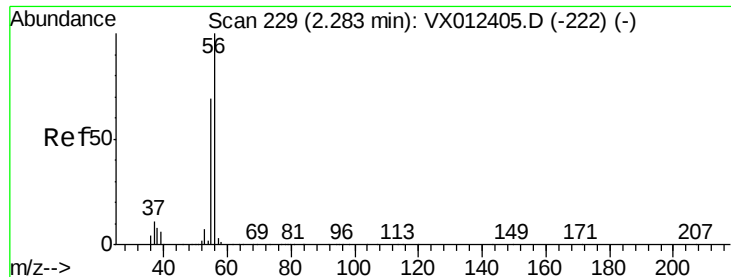
Tgt Ion: 59 Resp: 441847
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8



#12
1,1-Dichloroethene
Concen: 170.559 ug/l
RT: 2.35 min Scan# 240
Delta R.T. -0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 96 Resp: 165289
Ion Ratio Lower Upper
96 100
61 171.5 129.8 194.6
98 63.7 48.5 72.7





#13

Acrolein

Concen: 1511.724 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

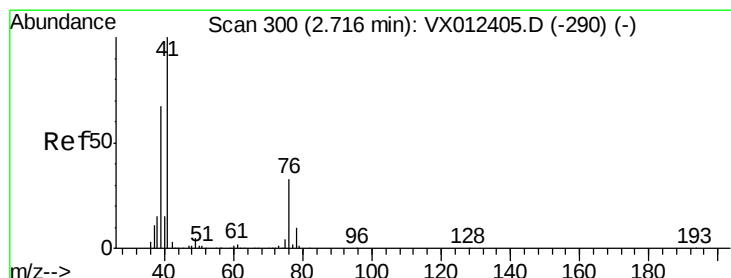
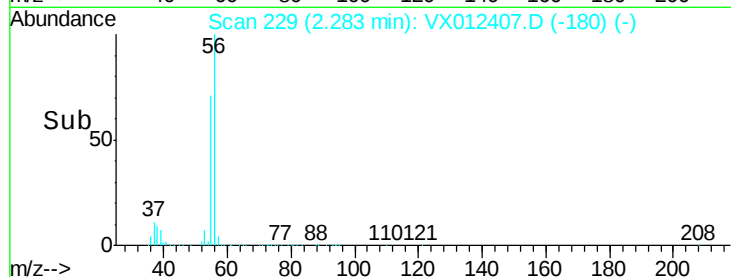
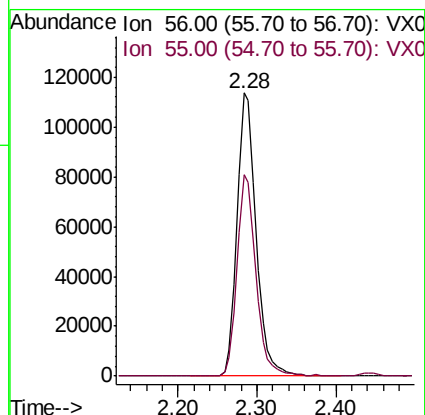
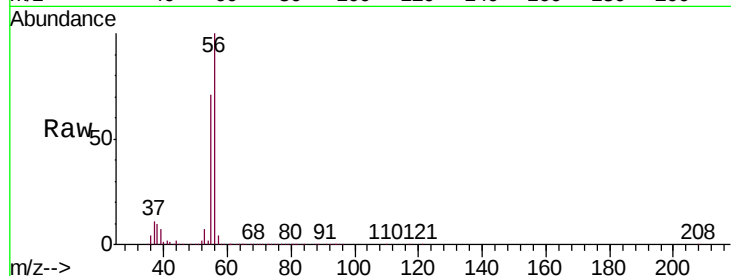
VSTDIC150

Tgt Ion: 56 Resp: 191172

Ion Ratio Lower Upper

56 100

55 70.2 56.1 84.1



#14

Allyl chloride

Concen: 231.999 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

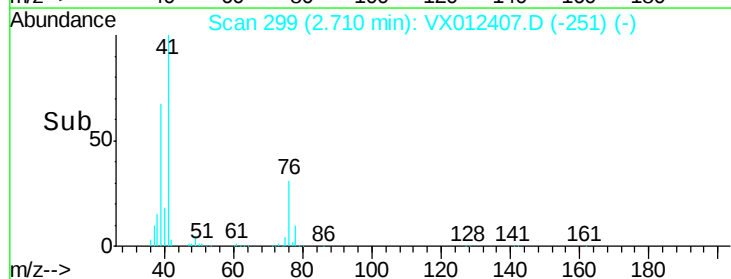
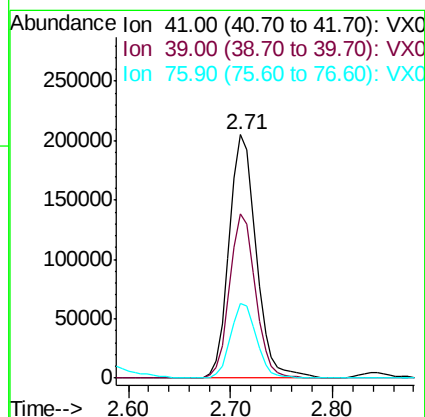
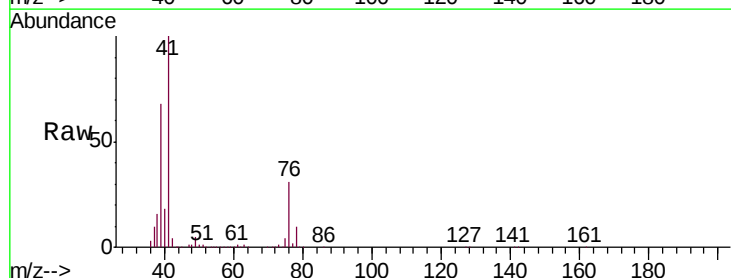
Tgt Ion: 41 Resp: 376809

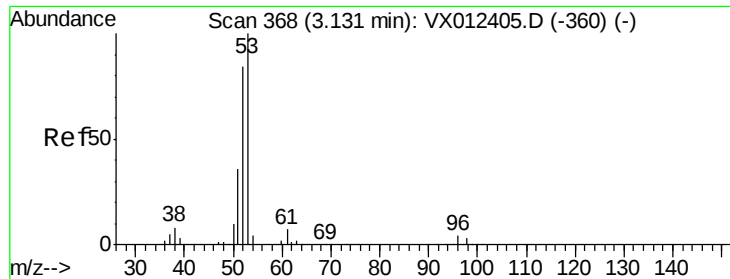
Ion Ratio Lower Upper

41 100

39 64.4 51.1 76.7

76 29.4 23.4 35.2





#15

Acrylonitrile

Concen: 1270.121 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

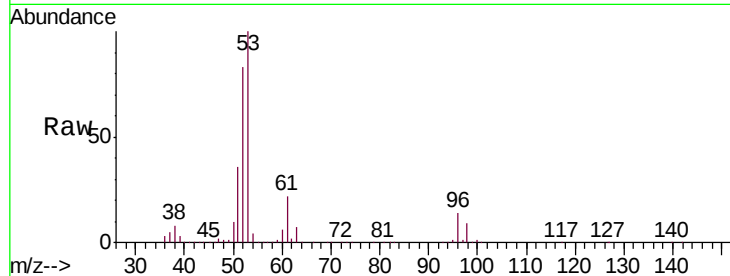
Tgt Ion: 53 Resp: 788779

Ion Ratio Lower Upper

53 100

52 83.2 67.4 101.2

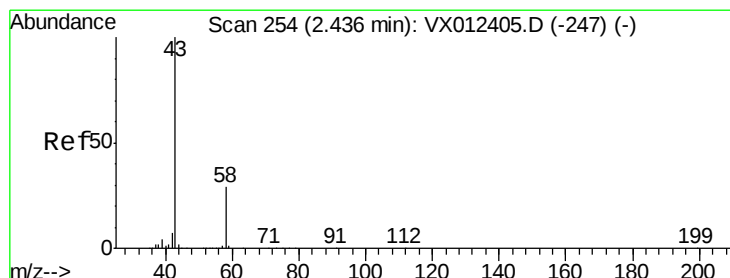
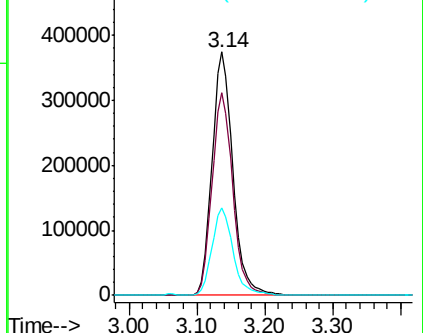
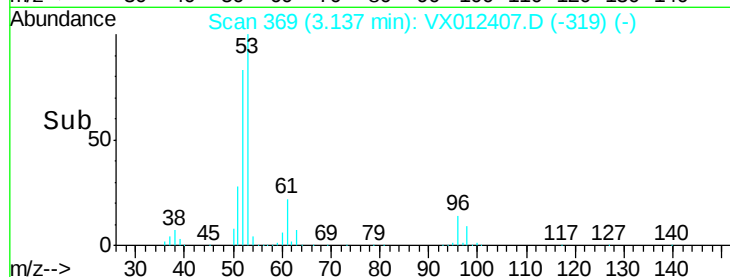
51 36.6 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VX012407.D (-319) (-)

Ion 52.00 (51.70 to 52.70): VX012407.D (-319) (-)

Ion 51.00 (50.70 to 51.70): VX012407.D (-319) (-)



#16

Acetone

Concen: 1241.660 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX012407.D

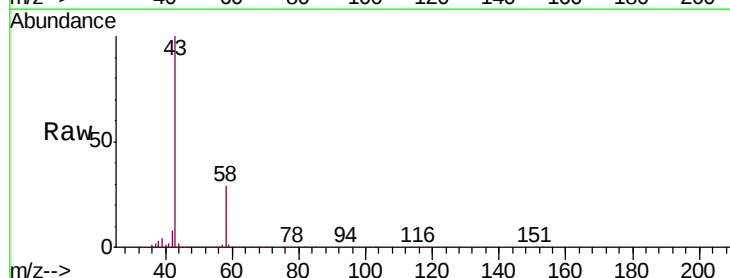
Acq: 16 Sep 2019 14:21

Tgt Ion: 43 Resp: 753056

Ion Ratio Lower Upper

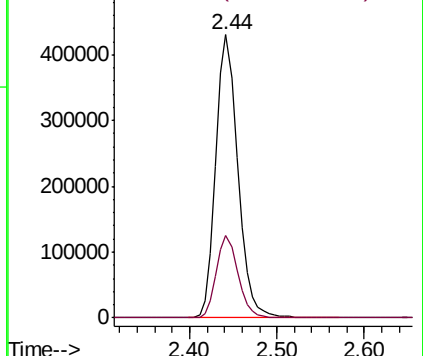
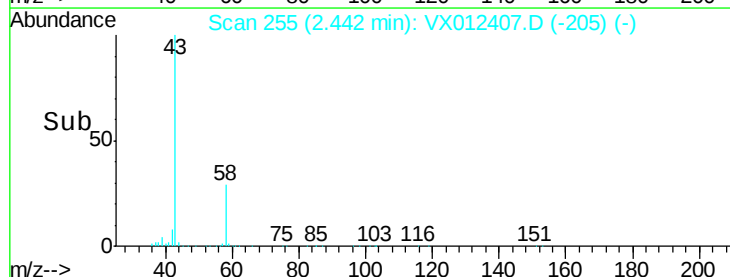
43 100

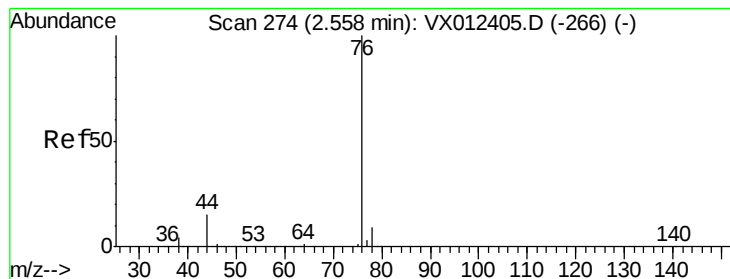
58 29.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VX012407.D (-205) (-)

Ion 58.00 (57.70 to 58.70): VX012407.D (-205) (-)





#17

Carbon Disulfide

Concen: 107.835 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

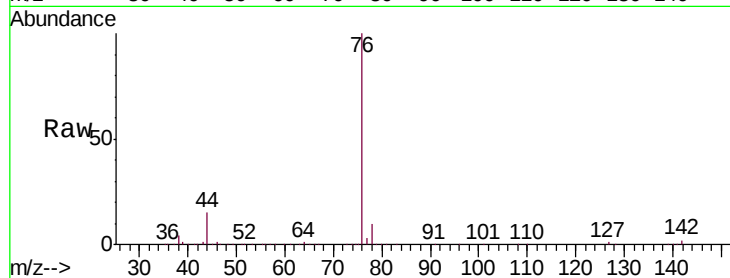
VSTDIC150

Tgt Ion: 76 Resp: 238711

Ion Ratio Lower Upper

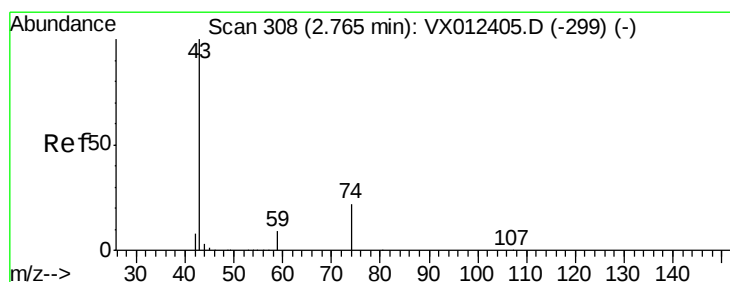
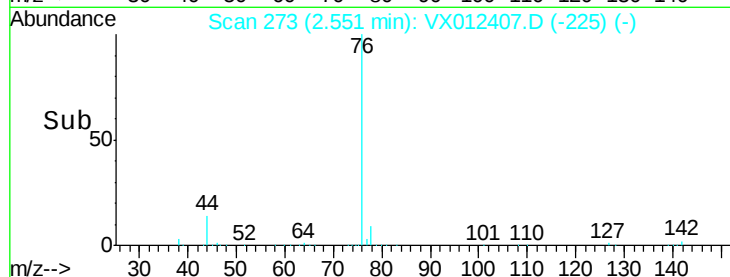
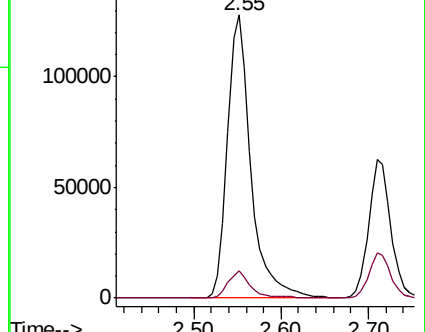
76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 233.686 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012407.D

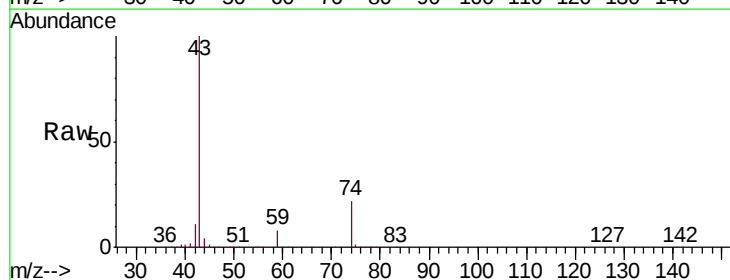
Acq: 16 Sep 2019 14:21

Tgt Ion: 43 Resp: 367812

Ion Ratio Lower Upper

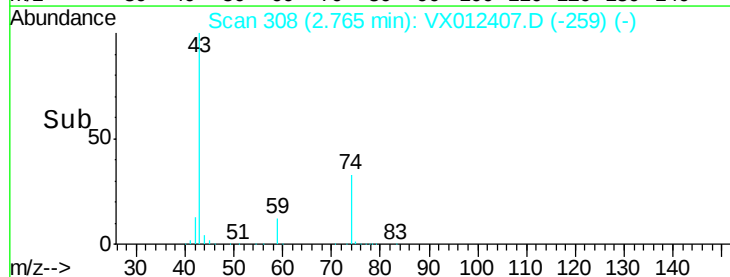
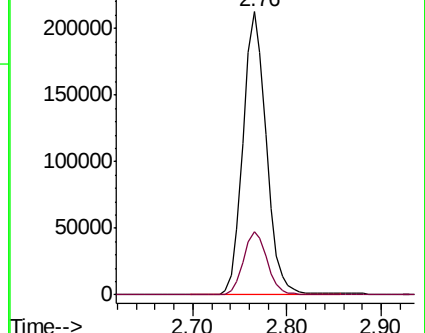
43 100

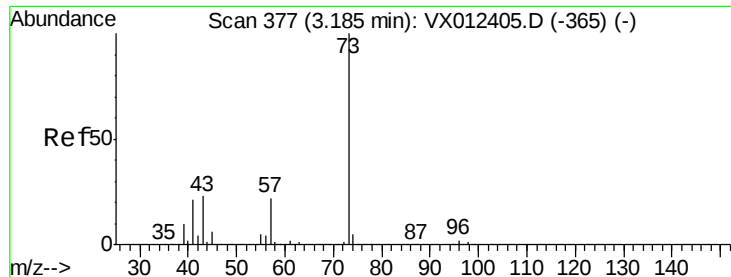
74 22.8 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

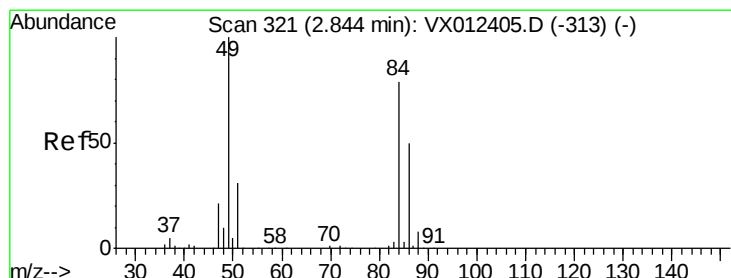
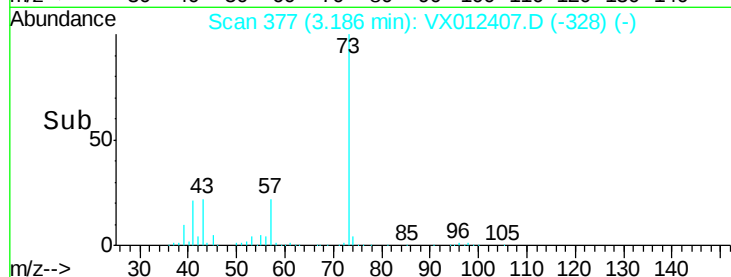
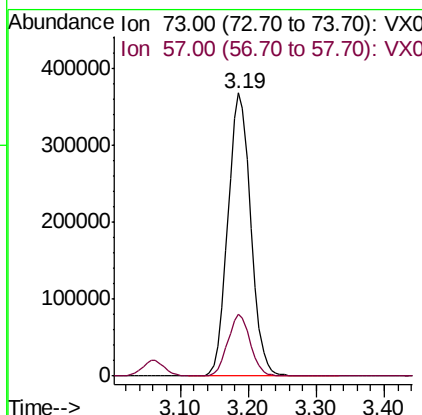
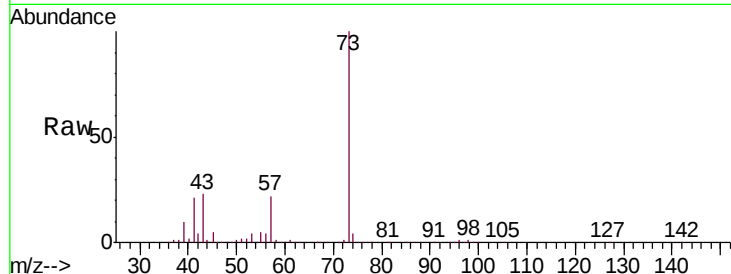




#19
Methyl tert-butyl Ether
Concen: 247.049 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

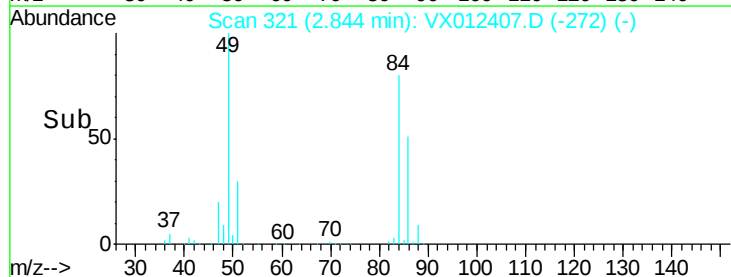
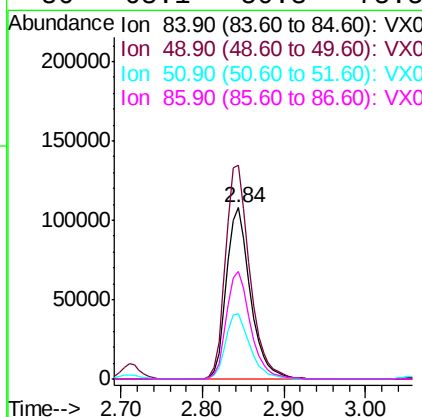
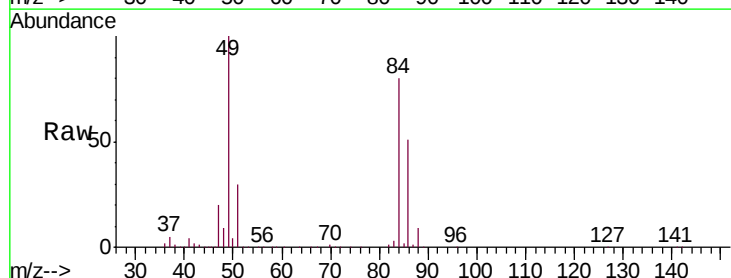
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

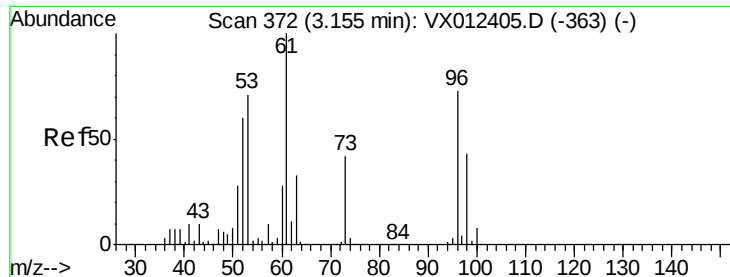
Tgt Ion: 73 Resp: 855629
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.6



#20
Methylene Chloride
Concen: 193.033 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 84 Resp: 217980
Ion Ratio Lower Upper
84 100
49 124.7 101.7 152.5
51 37.9 31.2 46.8
86 63.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 168.038 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

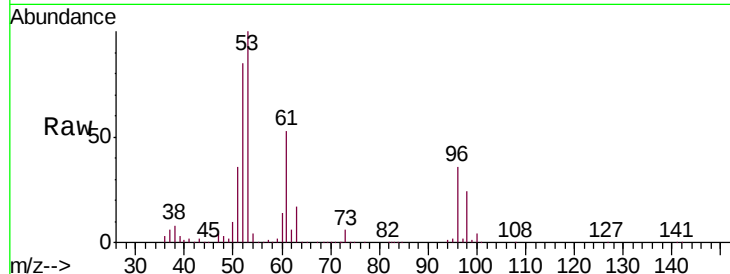
Tgt Ion: 96 Resp: 173369

Ion Ratio Lower Upper

96 100

61 145.4 109.7 164.5

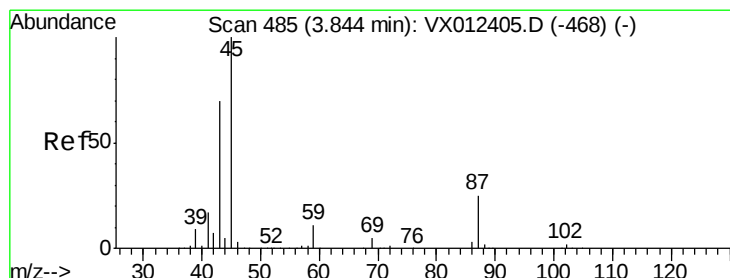
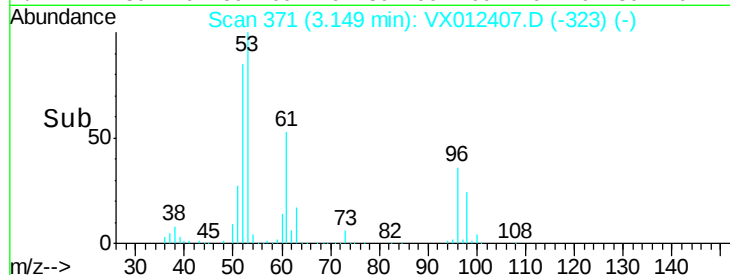
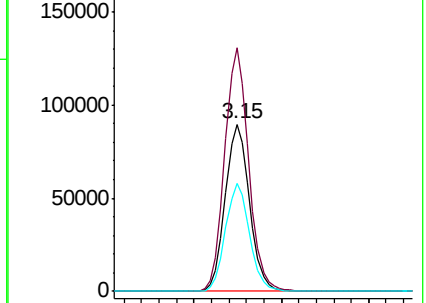
98 64.7 47.0 70.6



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: 253.577 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Tgt Ion: 45 Resp: 839565

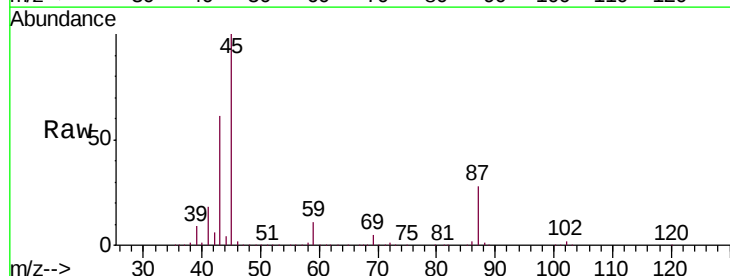
Ion Ratio Lower Upper

45 100

43 60.8 55.8 83.8

87 27.7 20.0 30.0

59 11.2 8.4 12.6

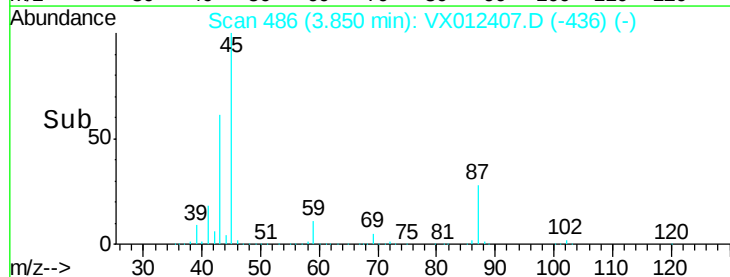
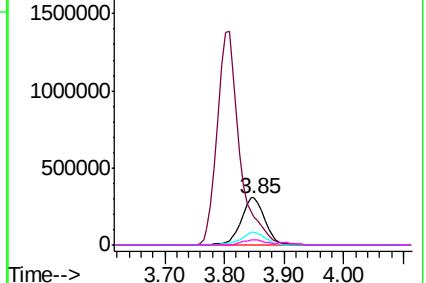


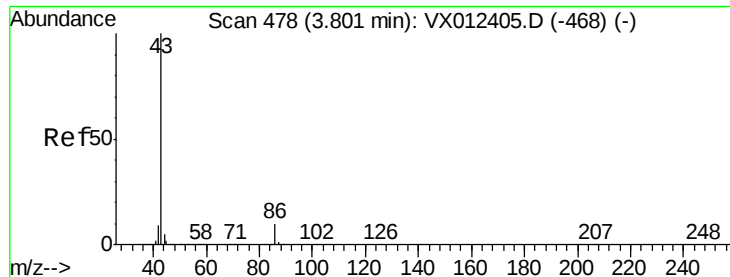
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 1315.443 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

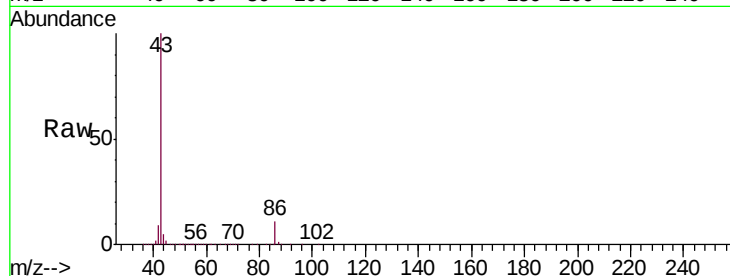
VSTDIC150

Tgt Ion: 43 Resp: 3624964

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

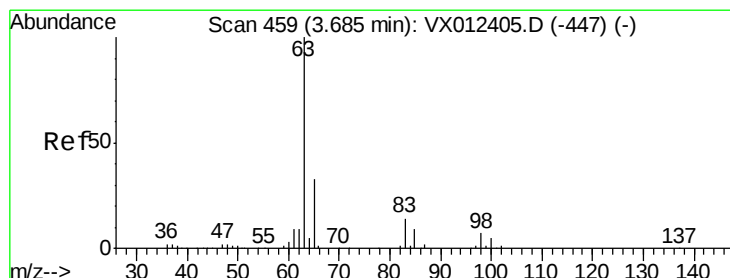
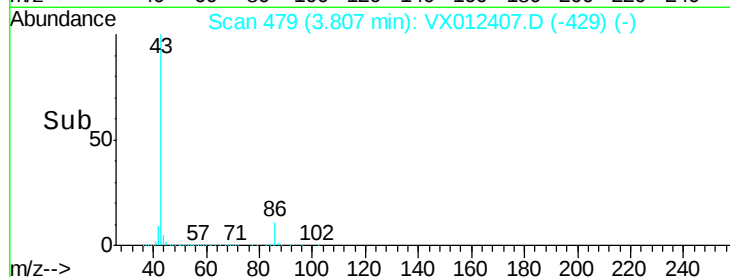
1500000

1000000

500000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 226.711 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

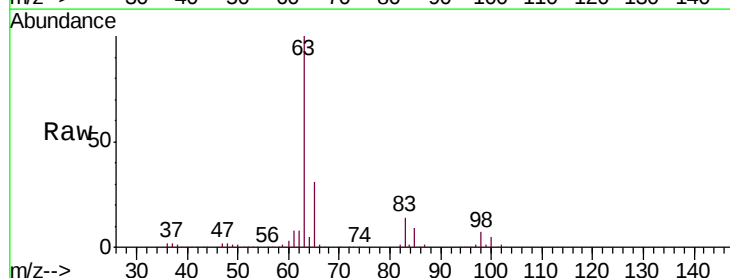
Tgt Ion: 63 Resp: 421197

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.6

100 4.5 2.5 7.5



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

3.68

200000

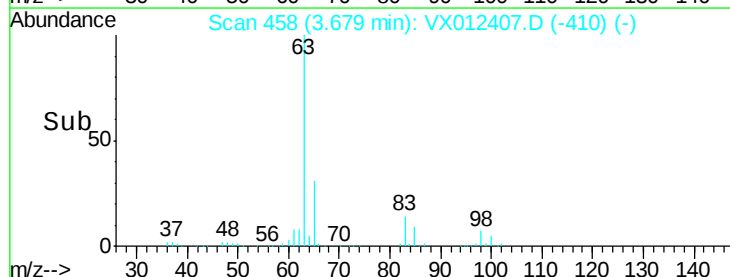
150000

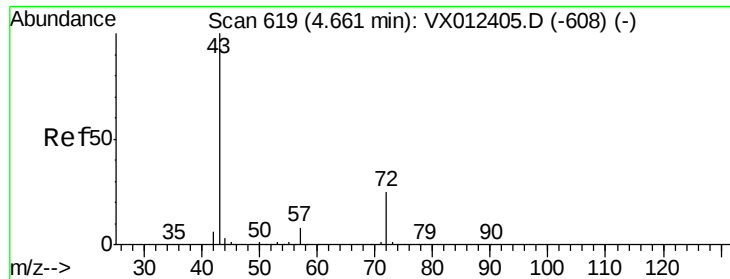
100000

50000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 1334.346 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

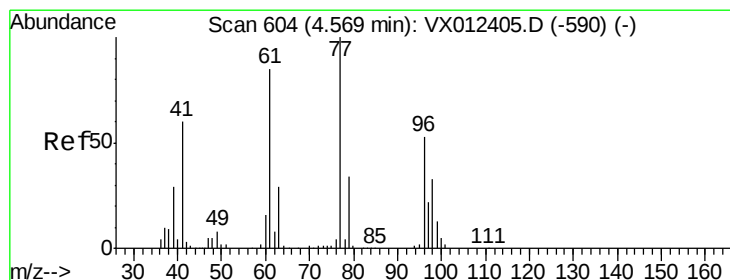
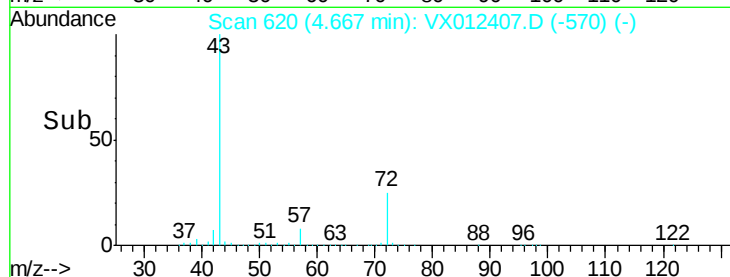
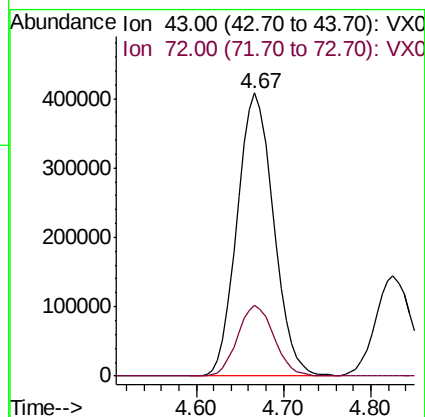
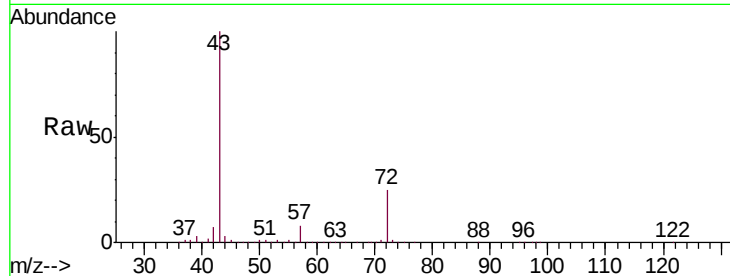
VSTDIC150

Tgt Ion: 43 Resp: 1183047

Ion Ratio Lower Upper

43 100

72 24.9 19.8 29.6



#26

2,2-Dichloropropane

Concen: 237.976 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012407.D

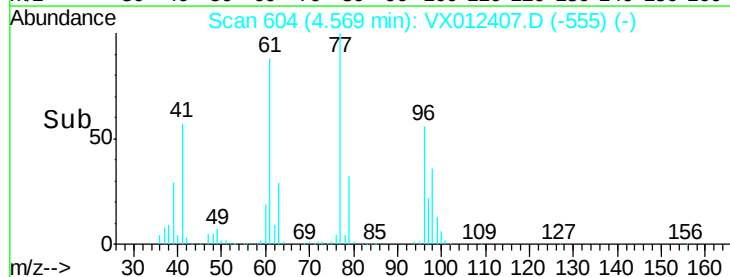
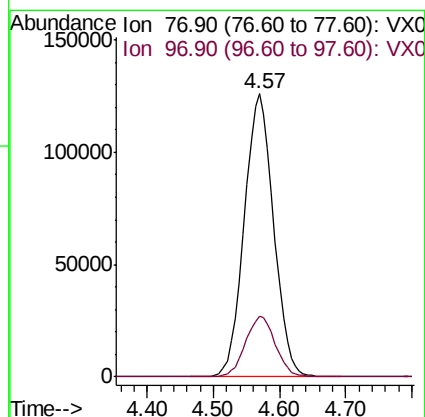
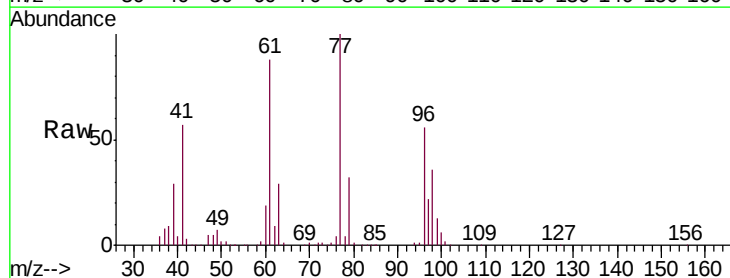
Acq: 16 Sep 2019 14:21

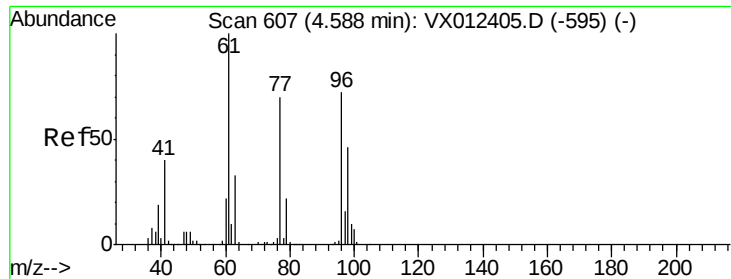
Tgt Ion: 77 Resp: 388550

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1



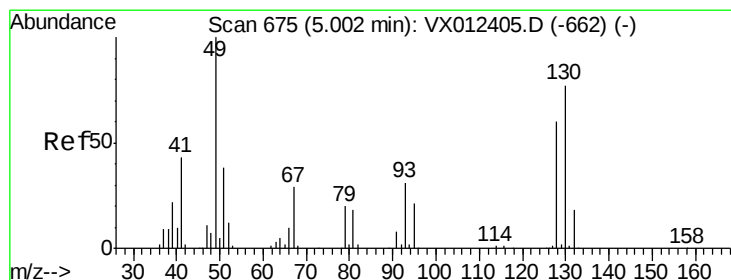
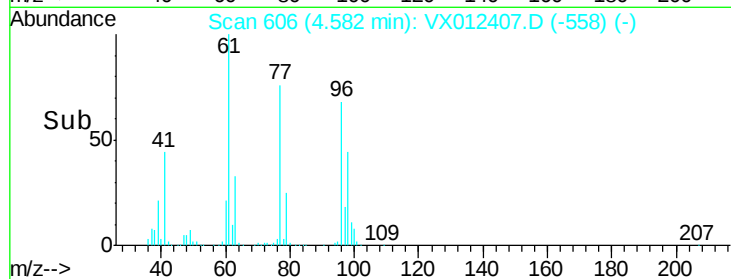
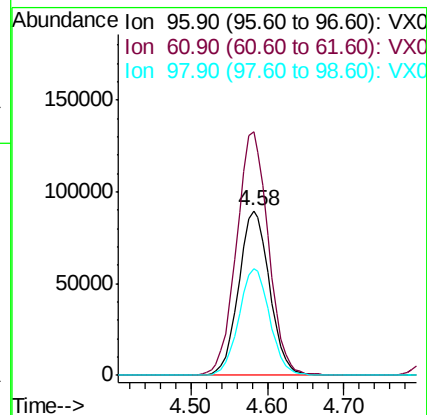
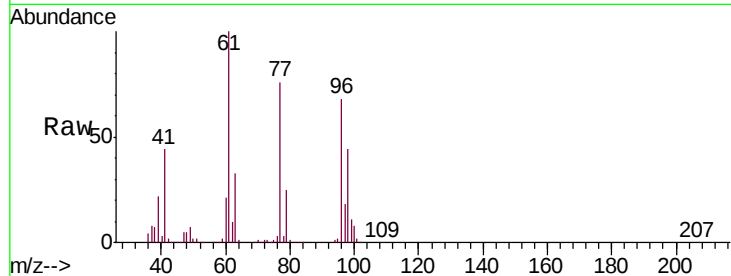


#27

cis-1,2-Dichloroethene
 Concen: 200.765 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

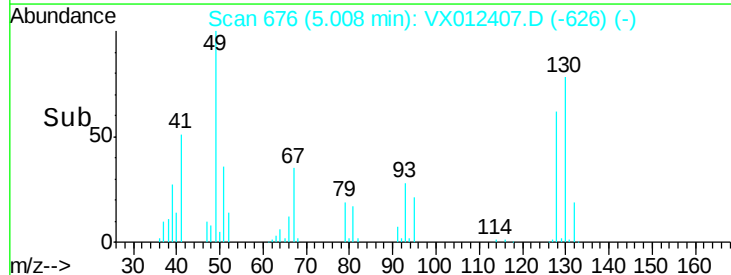
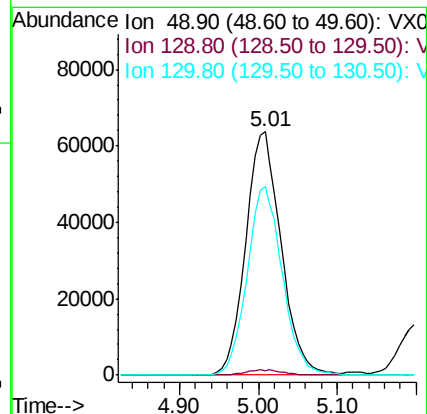
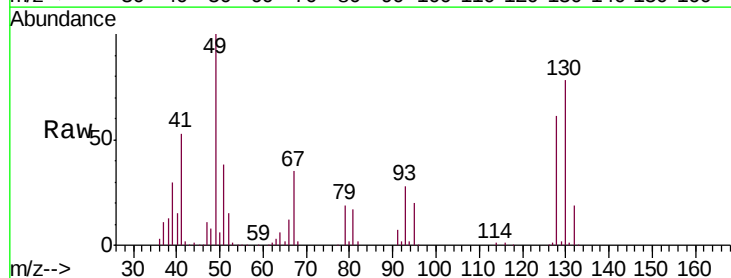
Tgt Ion: 96 Resp: 250408
 Ion Ratio Lower Upper
 96 100
 61 153.7 0.0 307.6
 98 64.9 0.0 129.8

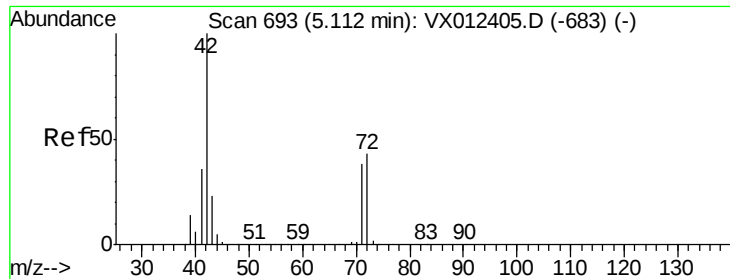


#28

Bromochloromethane
 Concen: 231.667 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion: 49 Resp: 199156
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.6
 130 76.8 61.3 91.9

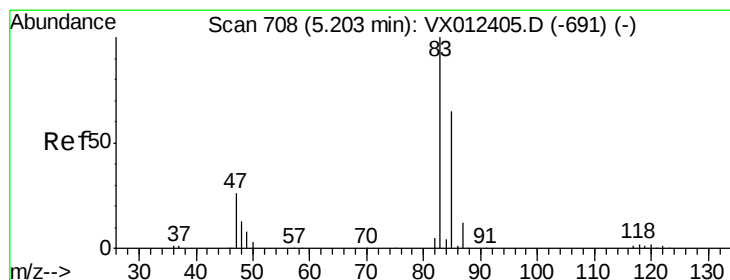
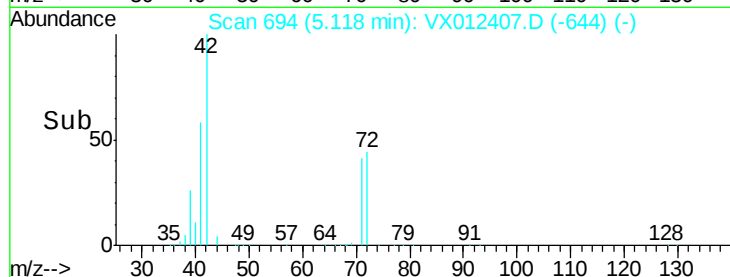
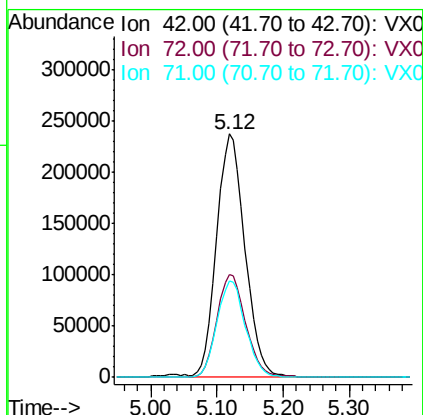
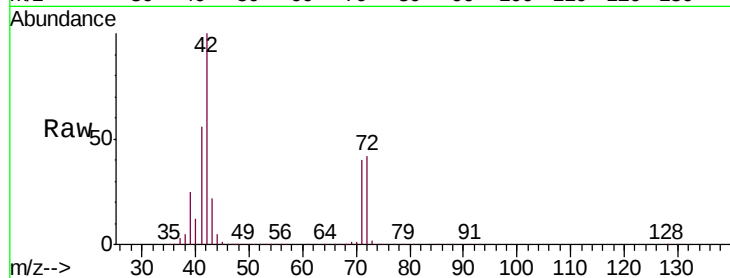




#29
Tetrahydrofuran
Concen: 1278.480 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

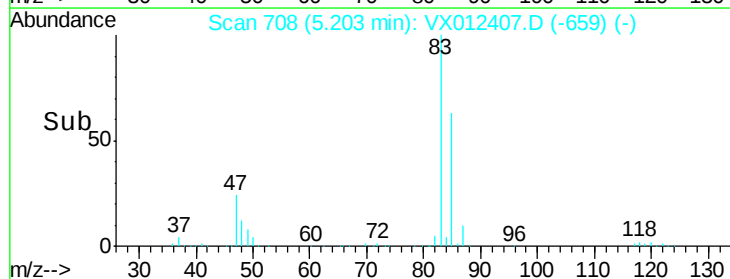
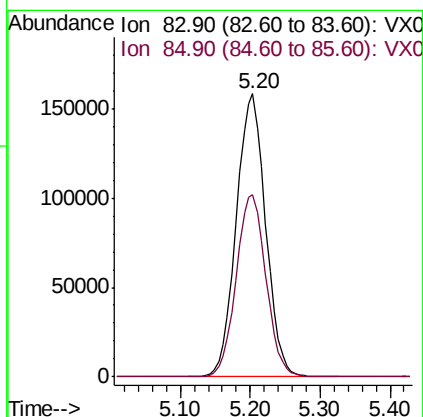
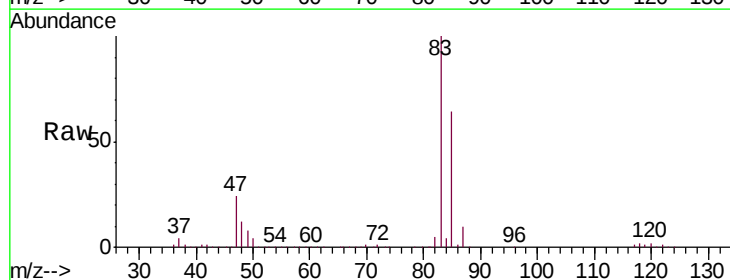
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

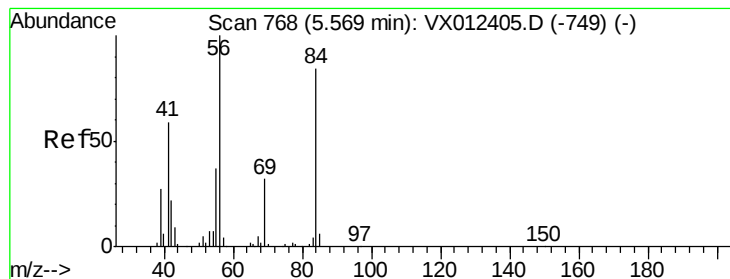
Tgt Ion: 42 Resp: 704894
Ion Ratio Lower Upper
42 100
72 43.3 34.9 52.3
71 39.9 32.6 48.8



#30
Chloroform
Concen: 225.498 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 83 Resp: 460954
Ion Ratio Lower Upper
83 100
85 64.2 51.9 77.9





#31

Cyclohexane

Concen: 172.021 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

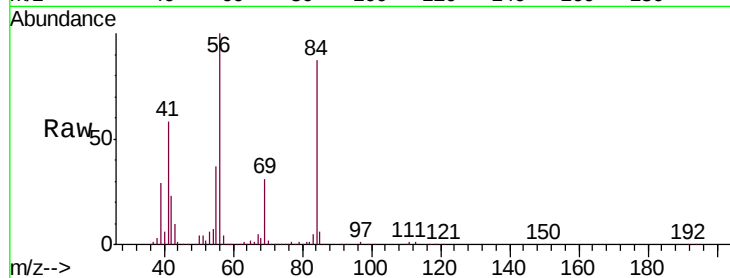
Tgt Ion: 56 Resp: 259975

Ion Ratio Lower Upper

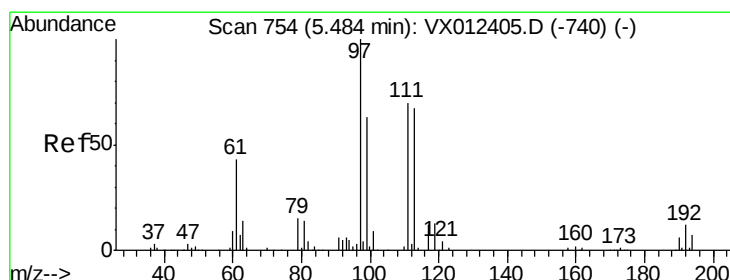
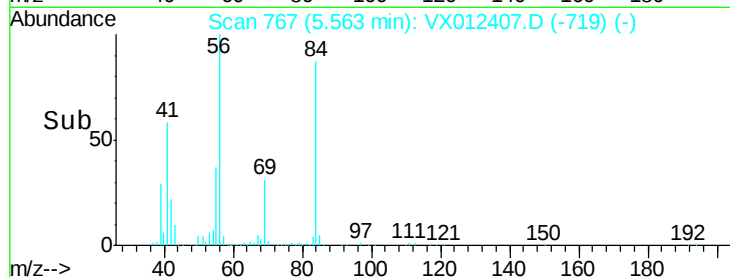
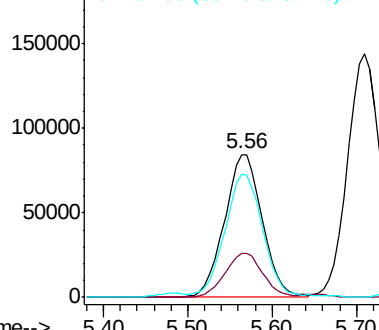
56 100

69 30.8 24.9 37.3

84 84.9 67.2 100.8



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: 230.667 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

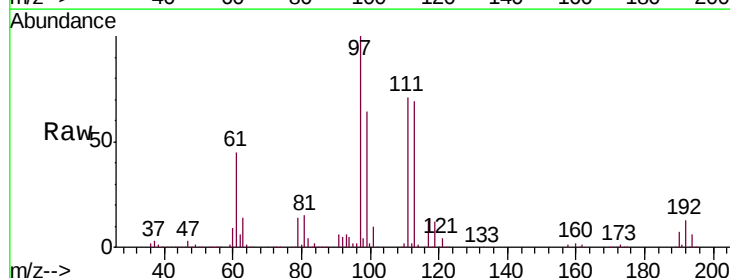
Tgt Ion: 97 Resp: 406680

Ion Ratio Lower Upper

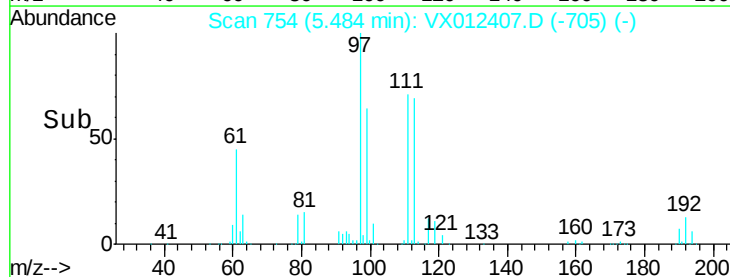
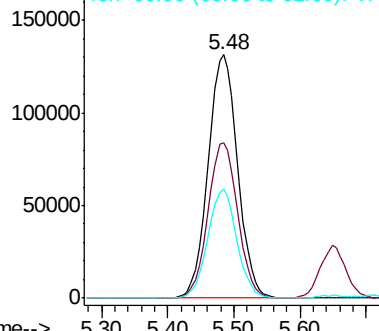
97 100

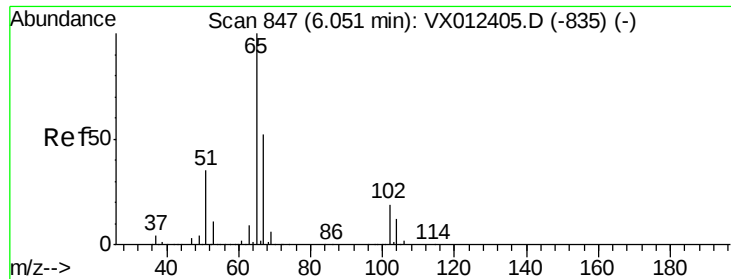
99 64.4 51.7 77.5

61 44.2 35.7 53.5



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: 246.412 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

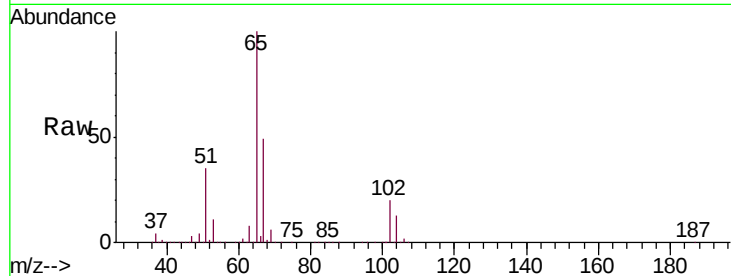
VSTDIC150

Tgt Ion: 65 Resp: 356989

Ion Ratio Lower Upper

65 100

67 50.2 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

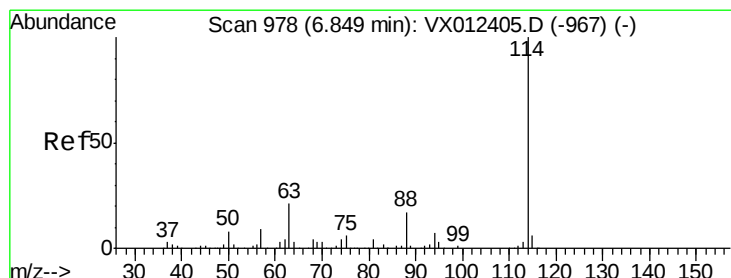
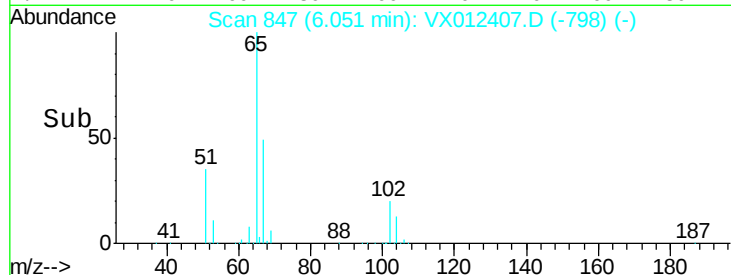
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

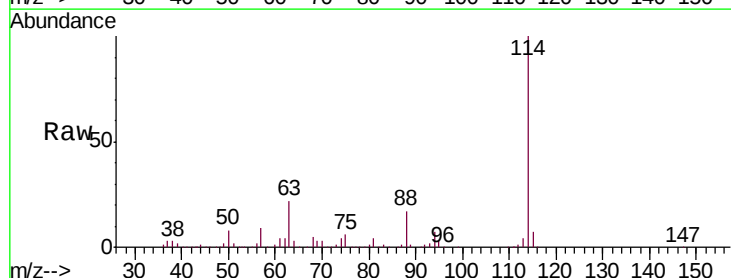
Tgt Ion: 114 Resp: 187215

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.4

88 17.4 0.0 33.4



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

6.85

100000

80000

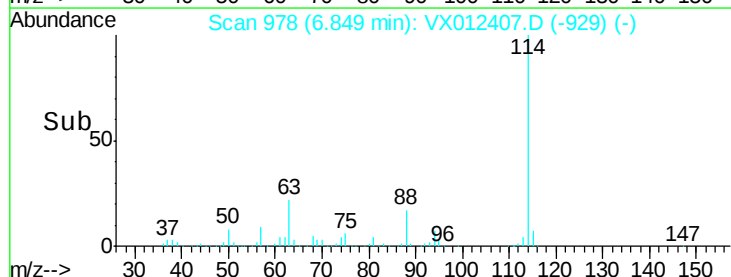
60000

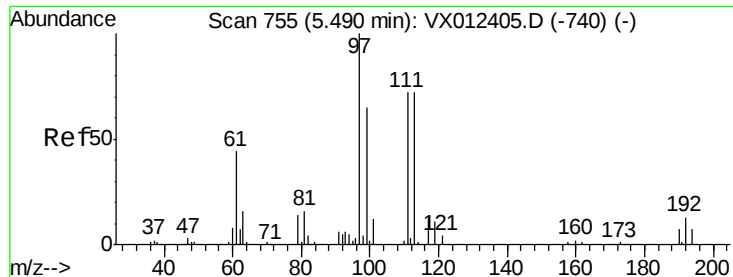
40000

20000

0

Time--> 6.80 6.90





#35

Dibromofluoromethane

Concen: 199.969 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

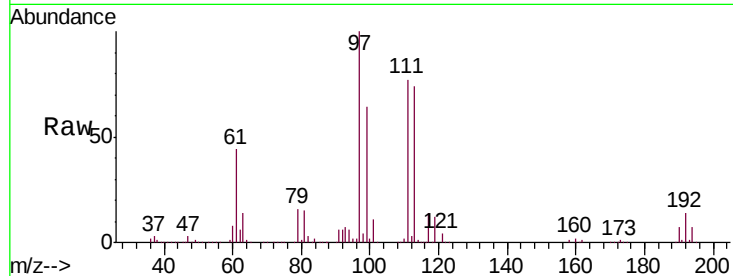
Tgt Ion:113 Resp: 266551

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

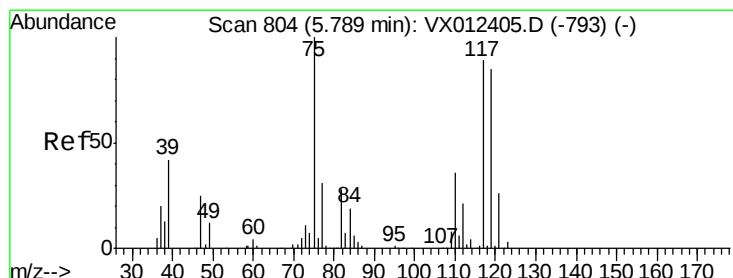
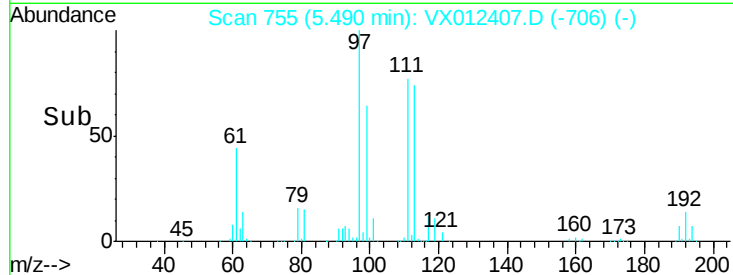
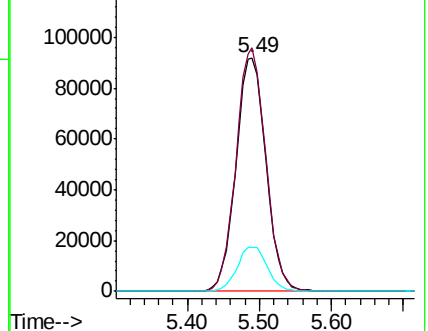
192 19.2 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 174.518 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

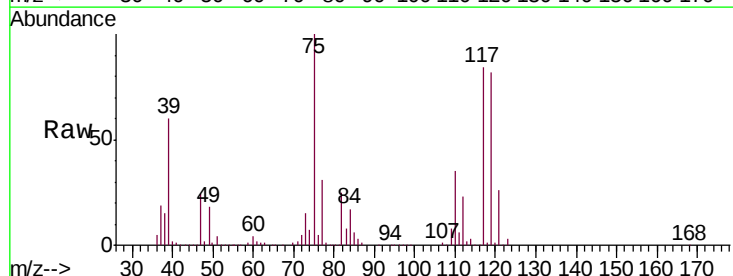
Tgt Ion: 75 Resp: 265309

Ion Ratio Lower Upper

75 100

110 35.6 17.4 52.2

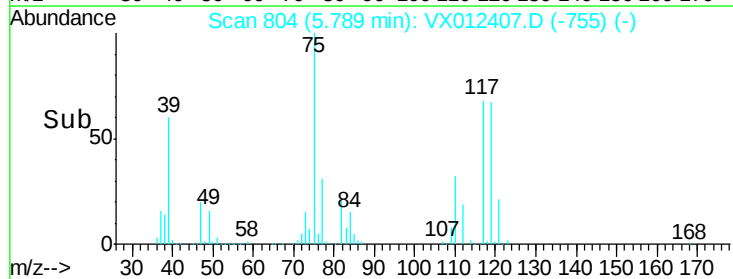
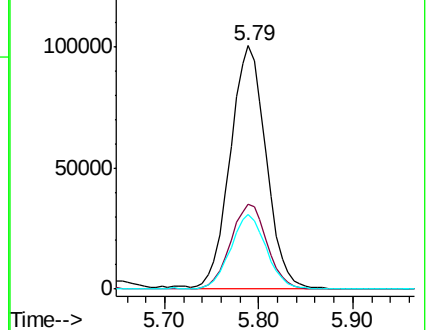
77 30.4 24.8 37.2

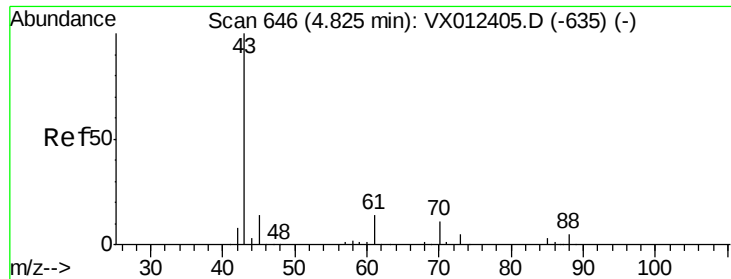


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 239.893 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

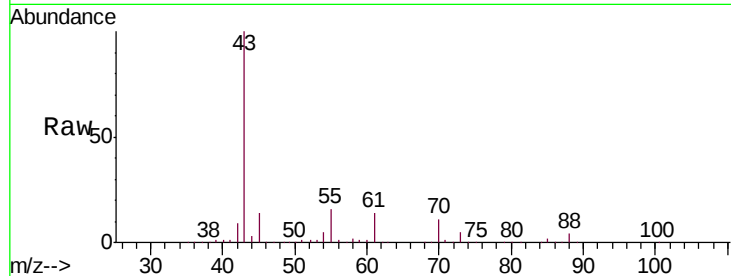
Tgt Ion: 43 Resp: 420282

Ion Ratio Lower Upper

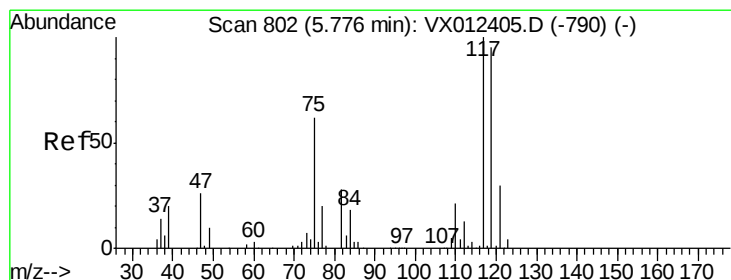
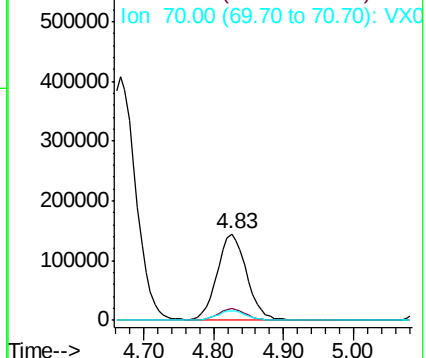
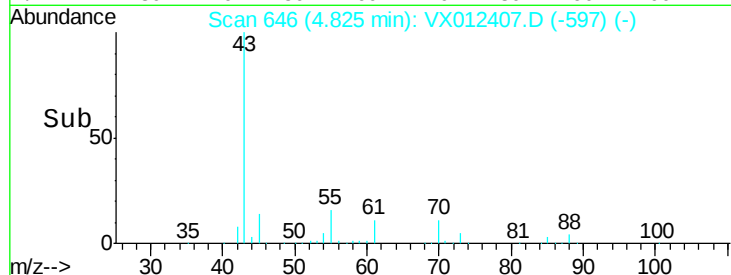
43 100

61 13.2 11.2 16.8

70 11.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX012407.D (-597) (-)



#38

Carbon Tetrachloride

Concen: 192.608 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

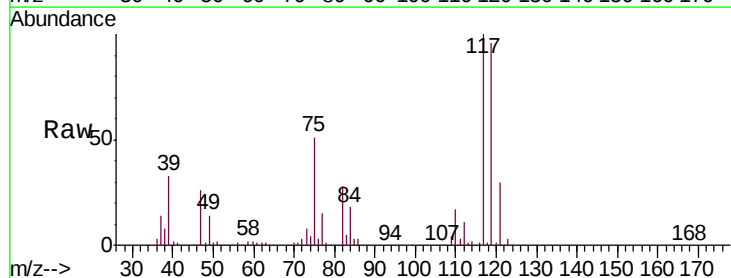
Tgt Ion: 117 Resp: 340846

Ion Ratio Lower Upper

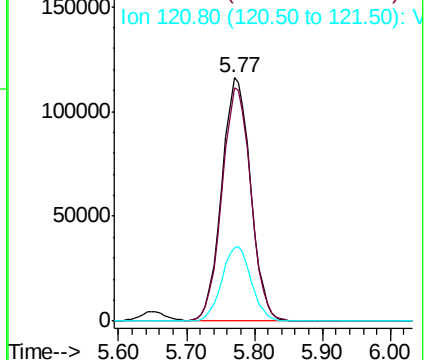
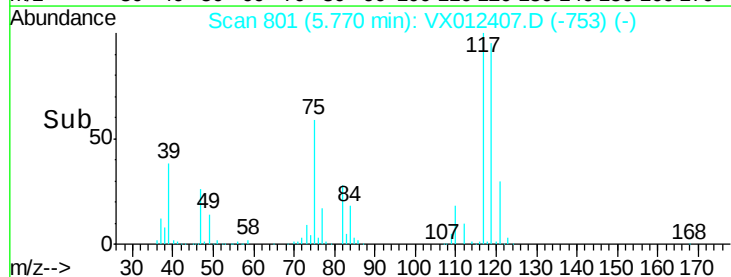
117 100

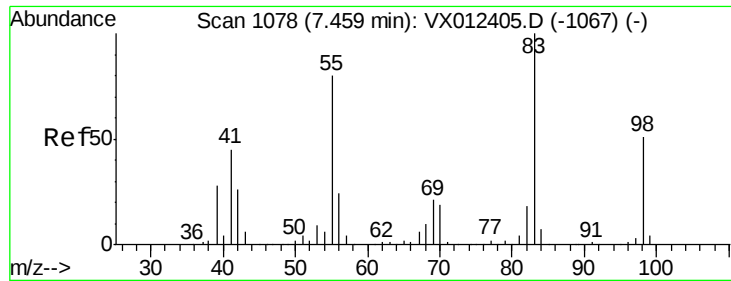
119 95.7 75.8 113.8

121 30.2 23.8 35.6



Abundance Ion 116.80 (116.50 to 117.50): VX012407.D (-753) (-)

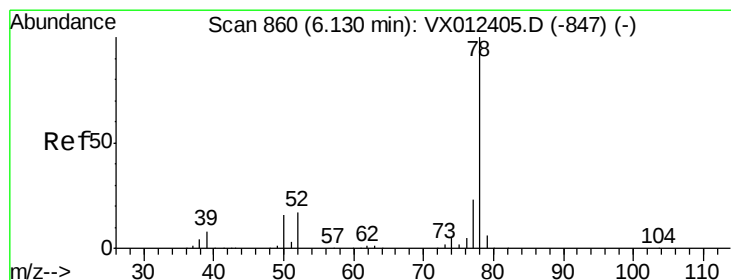
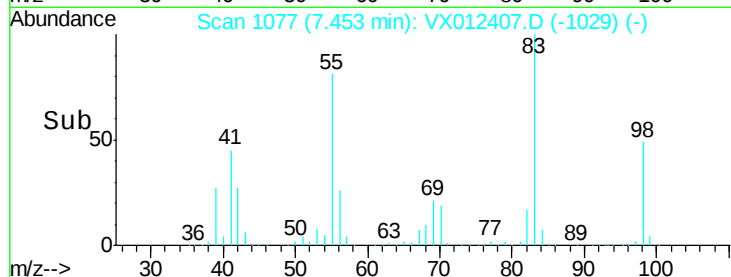
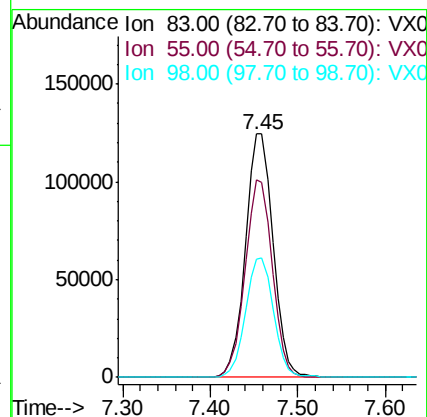
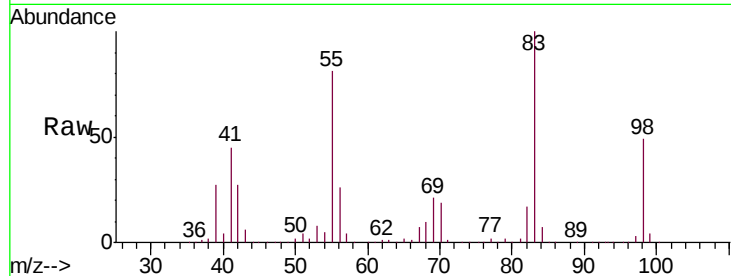




#39
Methylcyclohexane
Concen: 151.143 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

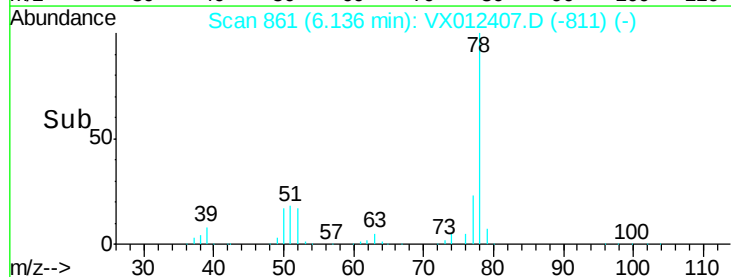
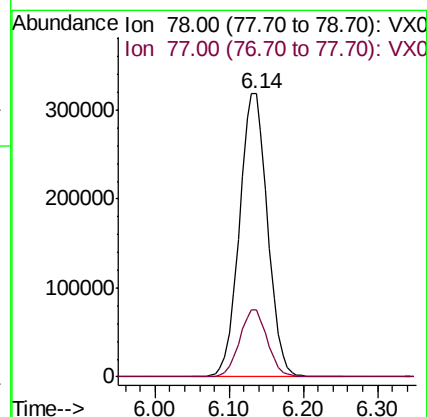
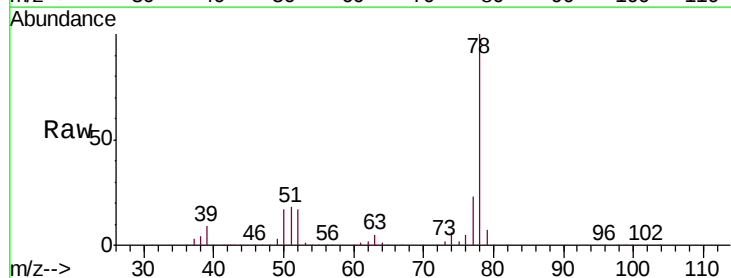
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

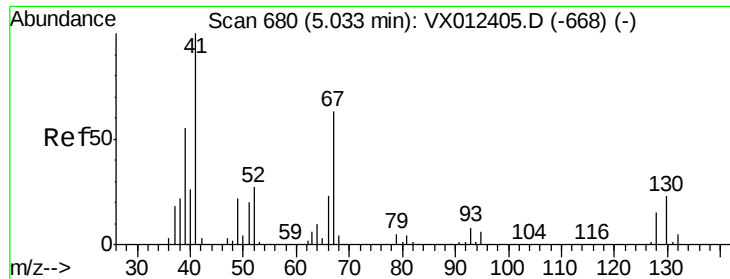
Tgt Ion: 83 Resp: 272772
Ion Ratio Lower Upper
83 100
55 81.3 63.8 95.6
98 48.7 40.6 61.0



#40
Benzene
Concen: 177.264 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 78 Resp: 843887
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.2

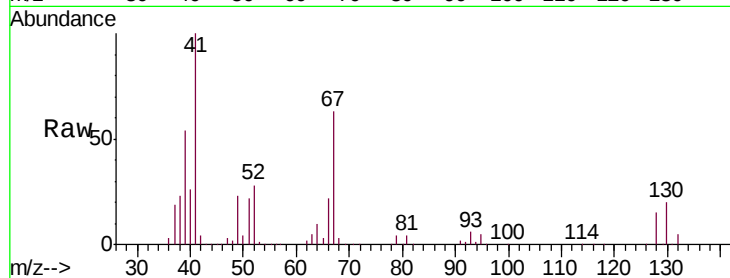




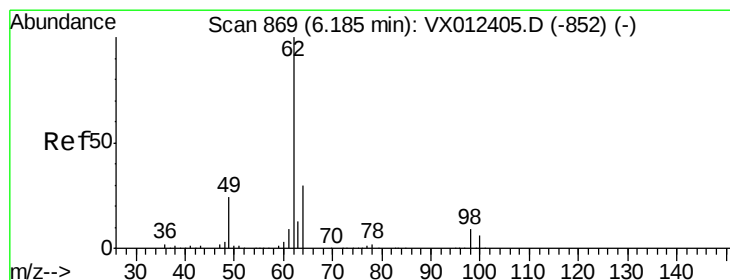
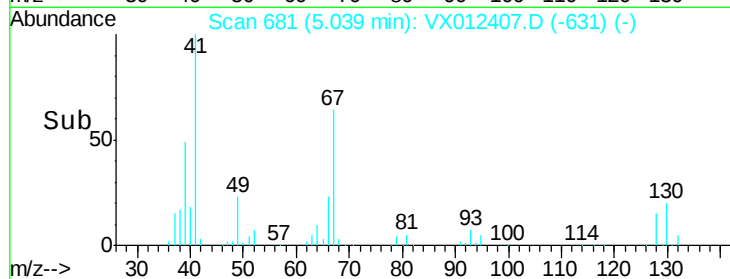
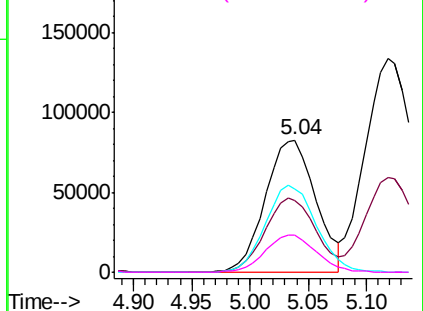
#41
Methacrylonitrile
Concen: 240.024 ug/l
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	248652
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.4	66.6
67	66.5	53.8	80.8
52	28.9	22.2	33.4

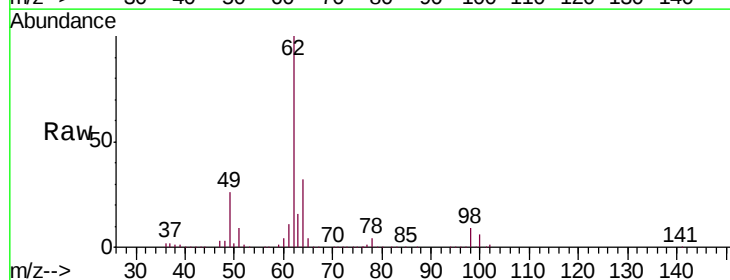


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

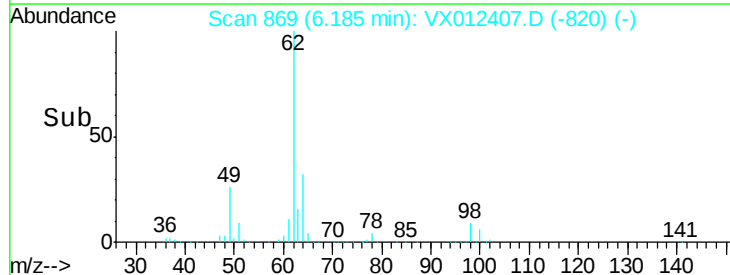
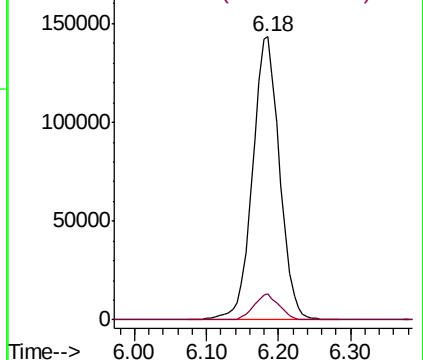


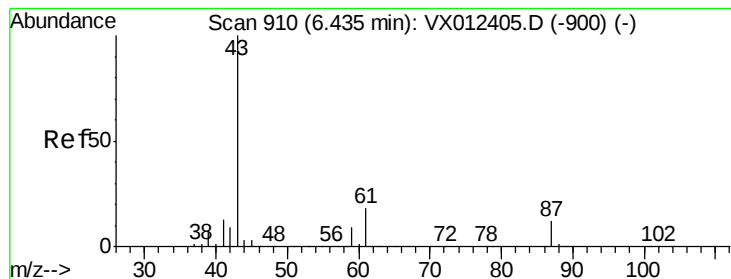
#42
1,2-Dichloroethane
Concen: 205.438 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion:	62	Resp:	372286
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 251.128 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

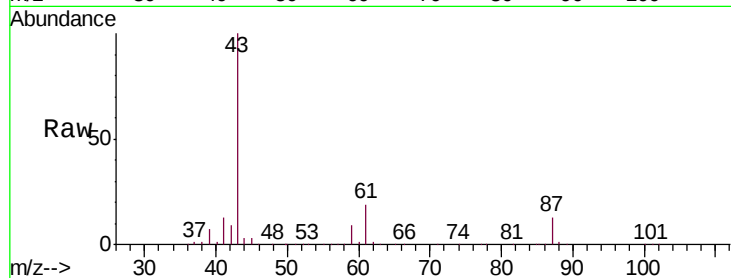
Tgt Ion: 43 Resp: 724068

Ion Ratio Lower Upper

43 100

61 19.5 15.5 23.3

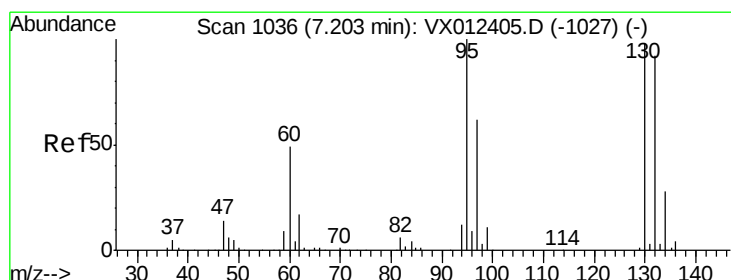
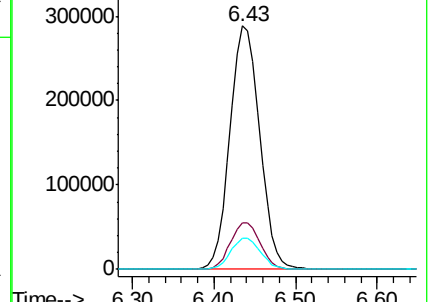
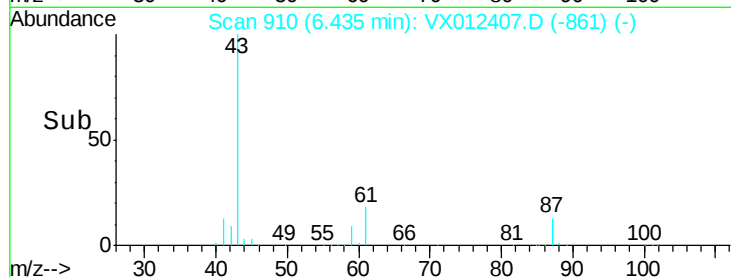
87 12.9 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VX012407.D (-861) (-)

Ion 61.00 (60.70 to 61.70): VX012407.D (-861) (-)

Ion 87.00 (86.70 to 87.70): VX012407.D (-861) (-)



#44

Trichloroethene

Concen: 160.092 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012407.D

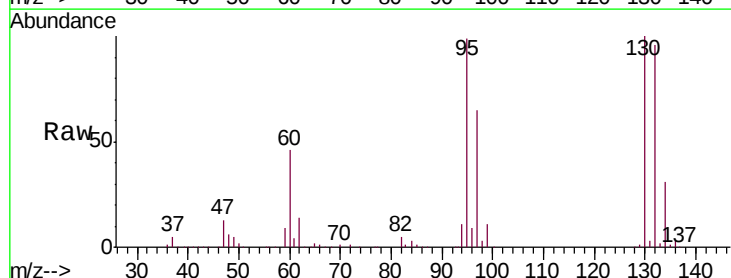
Acq: 16 Sep 2019 14:21

Tgt Ion: 130 Resp: 228184

Ion Ratio Lower Upper

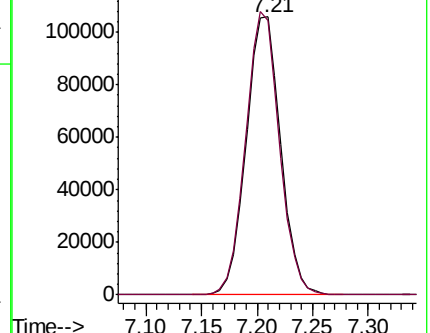
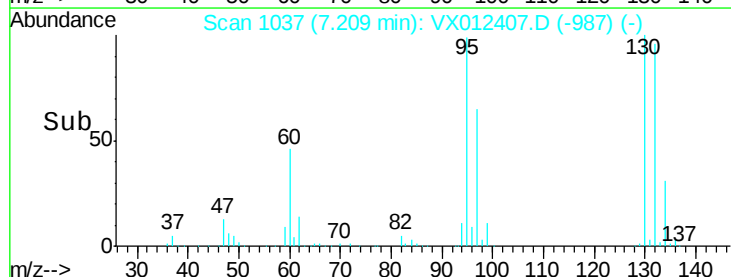
130 100

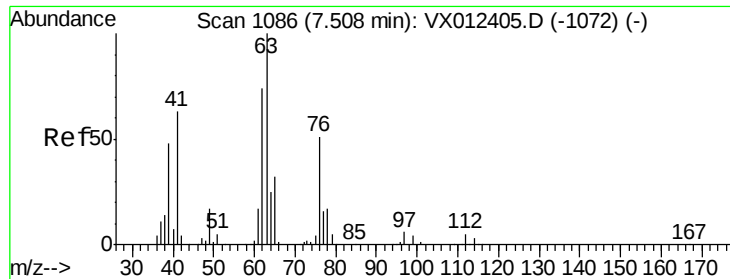
95 98.8 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): VX012407.D (-987) (-)

Ion 94.90 (94.60 to 95.60): VX012407.D (-987) (-)

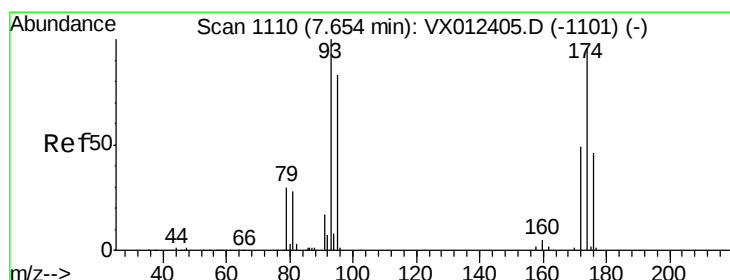
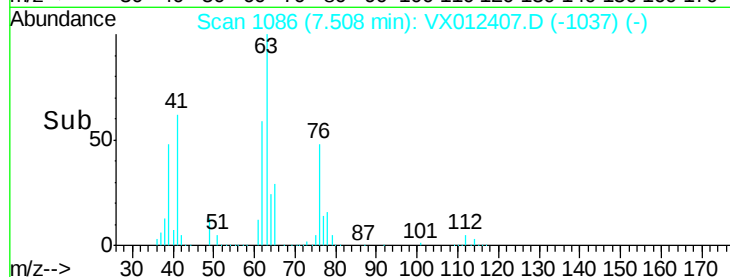
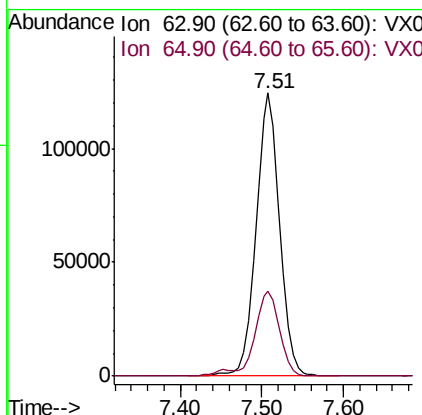
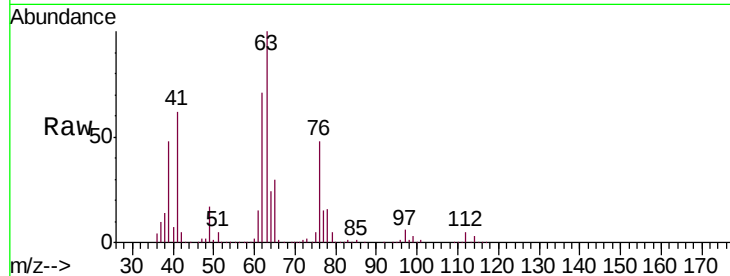




#45
 1,2-Dichloropropane
 Concen: 204.212 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

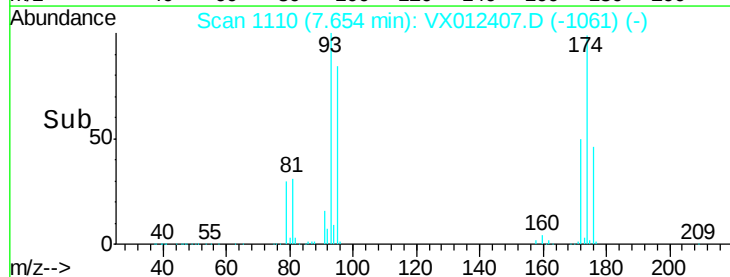
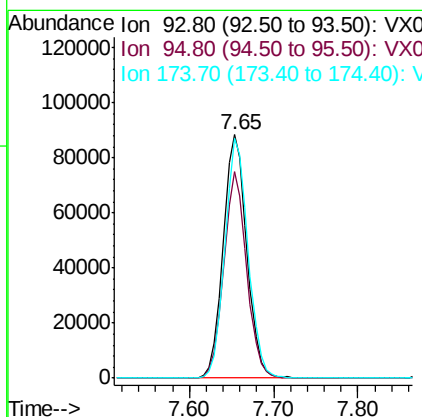
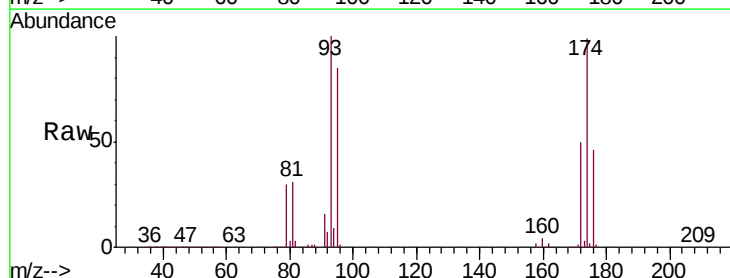
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

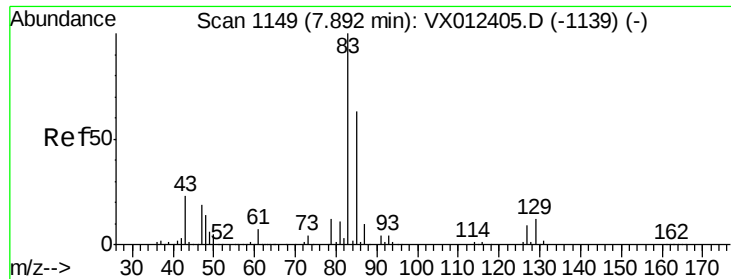
Tgt Ion: 63 Resp: 251233
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.6 38.4



#46
 Dibromomethane
 Concen: 189.856 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion: 93 Resp: 169367
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.2 99.2
 174 96.9 78.6 118.0





#47

Bromodichloromethane

Concen: 231.673 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

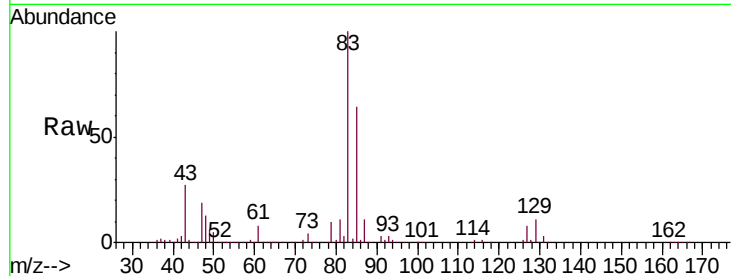
Tgt Ion: 83 Resp: 390885

Ion Ratio Lower Upper

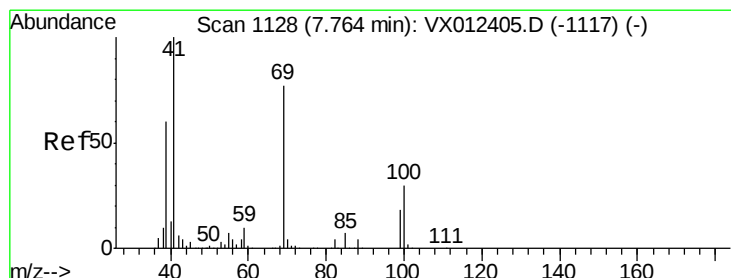
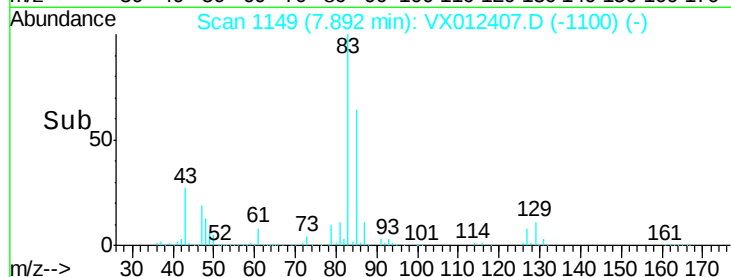
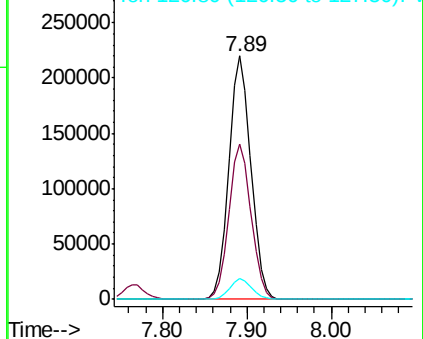
83 100

85 63.9 50.2 75.4

127 8.5 6.9 10.3



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: 249.512 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

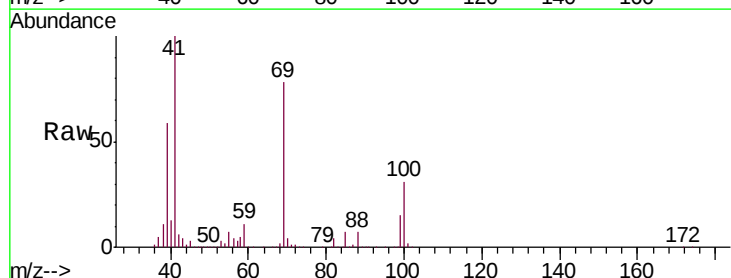
Tgt Ion: 41 Resp: 352051

Ion Ratio Lower Upper

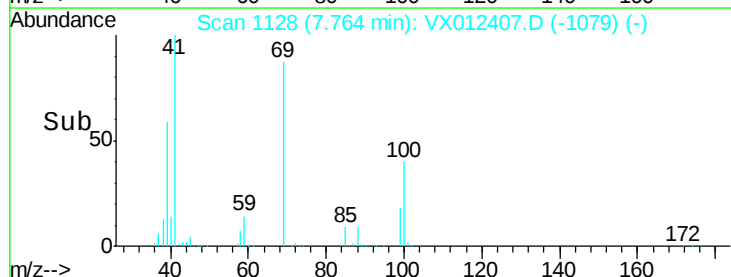
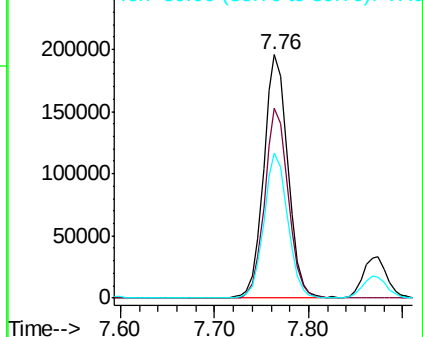
41 100

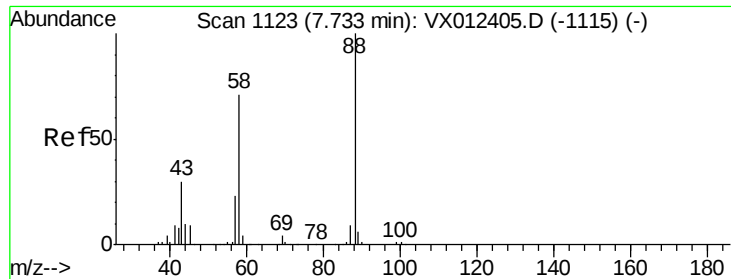
69 76.8 61.6 92.4

39 58.8 47.6 71.4



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

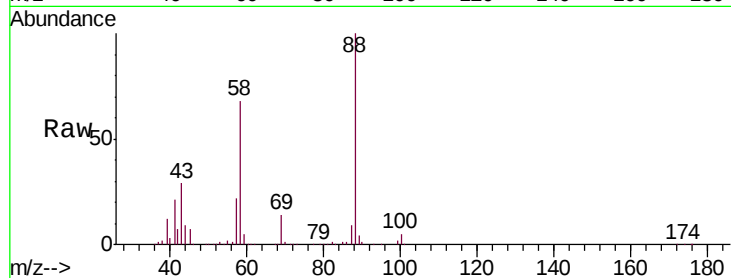




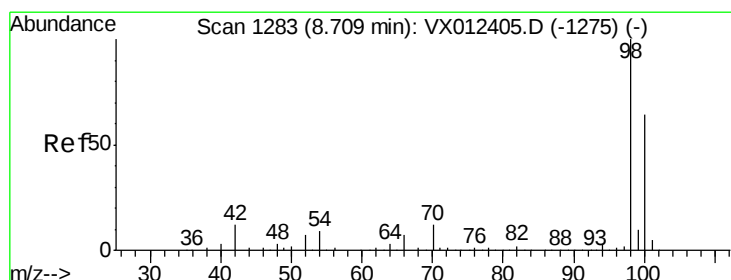
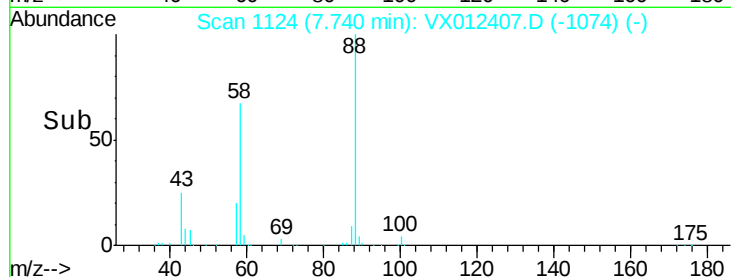
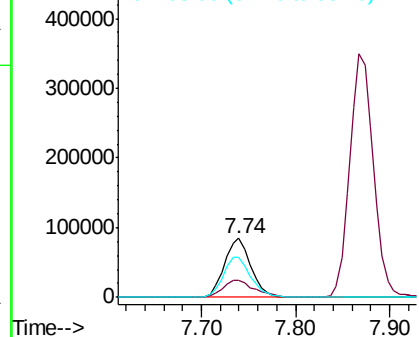
#49
 1,4-Dioxane
 Concen: 4293.753 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.8	26.6	39.8
58	71.2	57.1	85.7

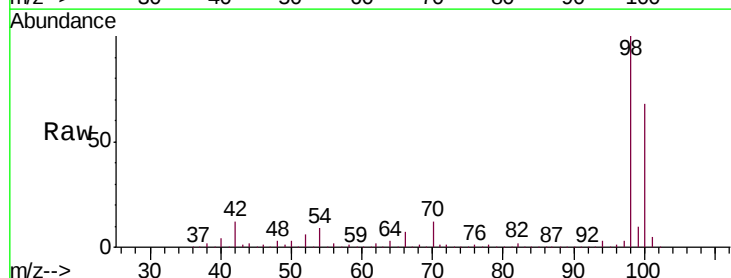


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

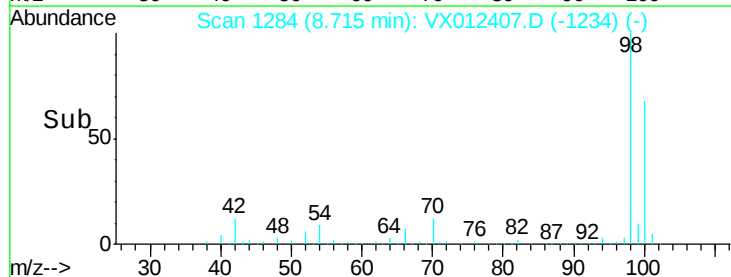
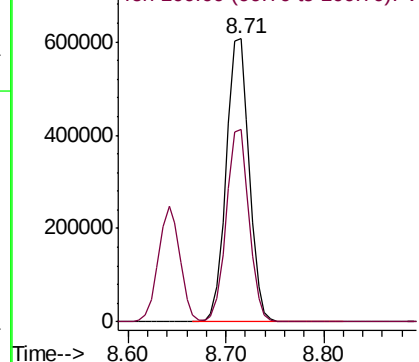


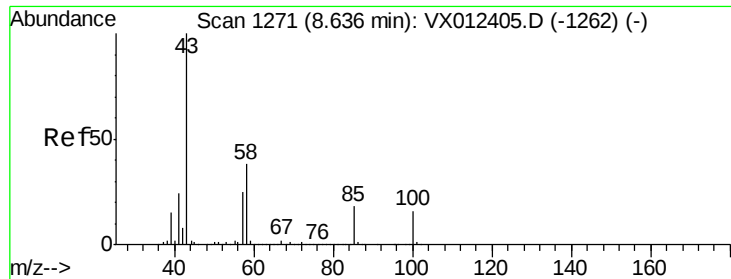
#50
 Toluene-d8
 Concen: 211.318 ug/l
 RT: 8.71 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	54.4	81.6



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





#51

4-Methyl-2-Pentanone

Concen: 1243.925 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

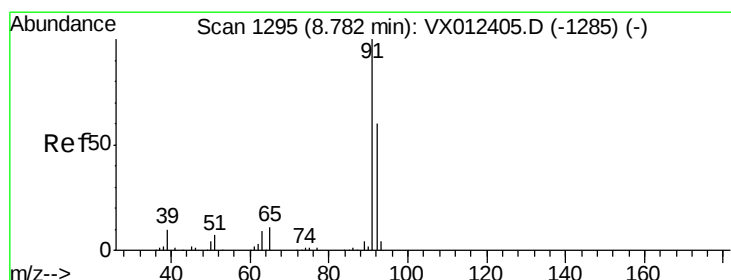
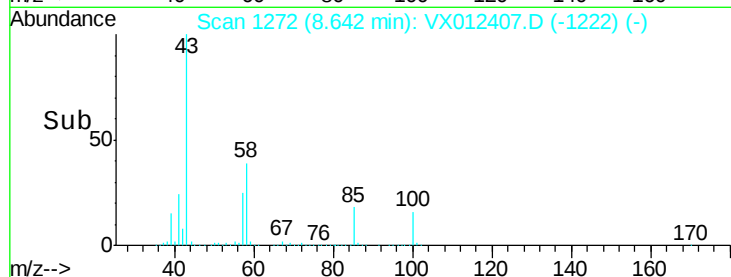
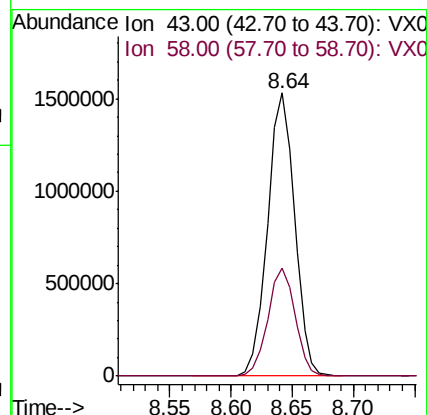
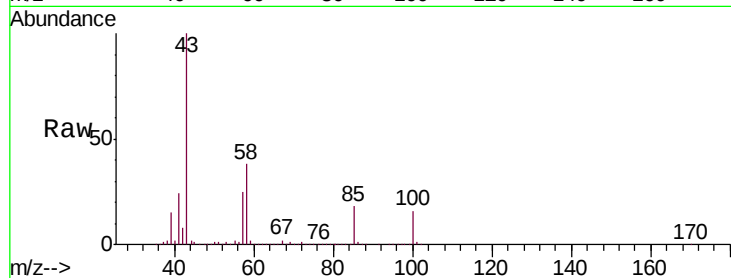
VSTDIC150

Tgt Ion: 43 Resp: 2365381

Ion Ratio Lower Upper

43 100

58 38.4 30.2 45.4



#52

Toluene

Concen: 180.139 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012407.D

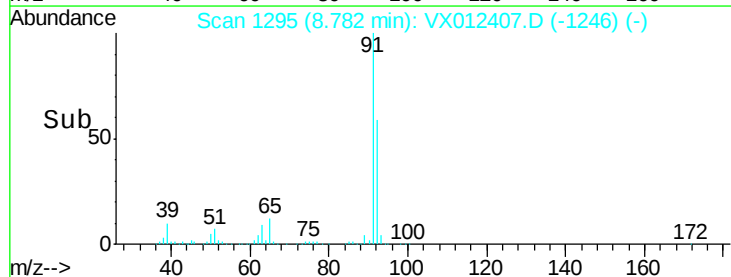
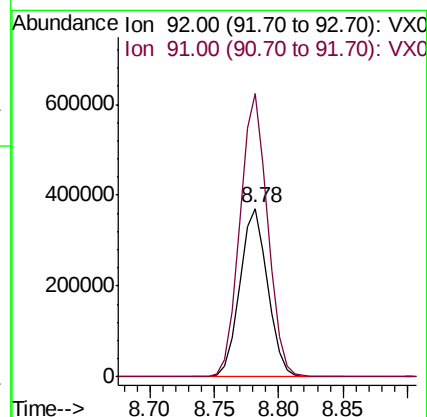
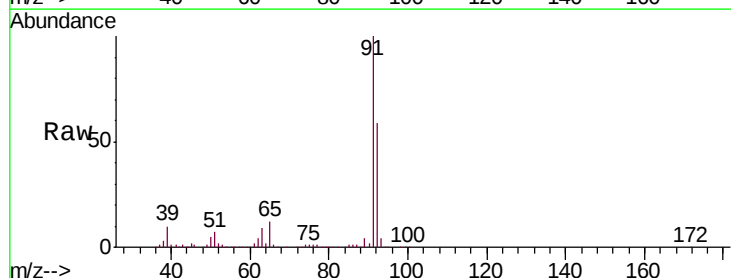
Acq: 16 Sep 2019 14:21

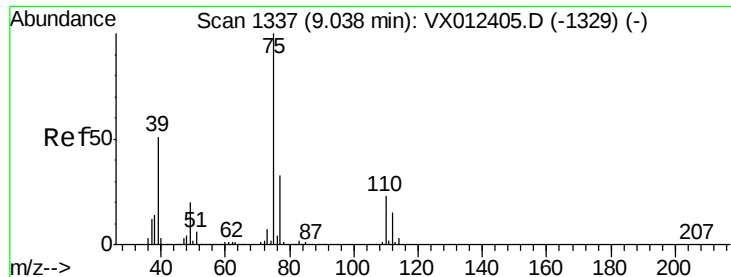
Tgt Ion: 92 Resp: 553504

Ion Ratio Lower Upper

92 100

91 167.8 133.3 199.9

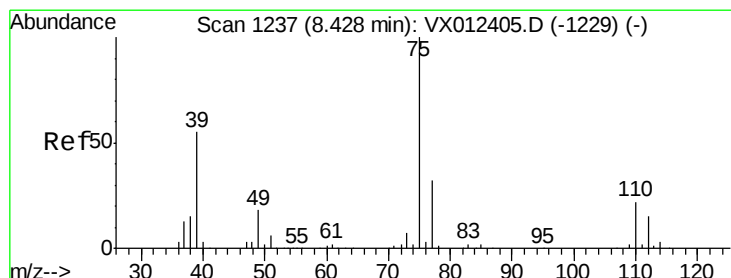
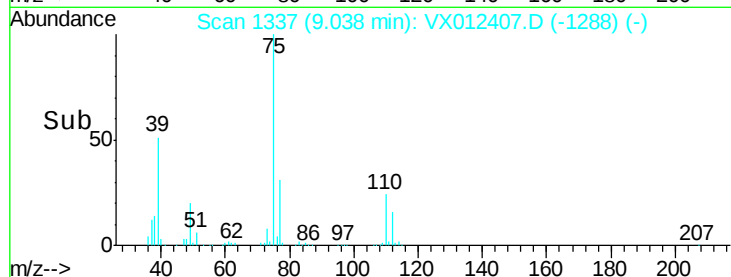
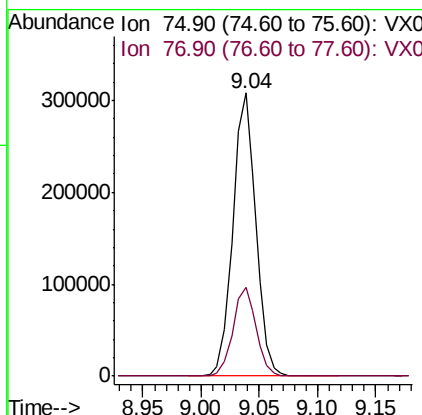
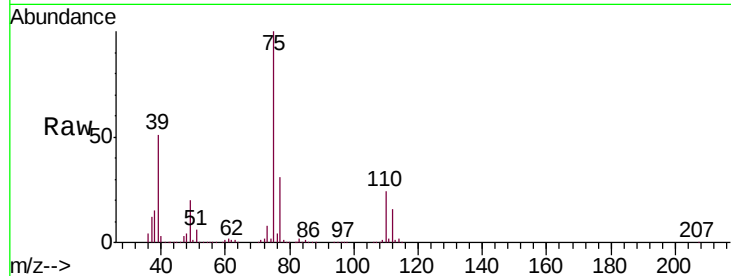




#53
t-1,3-Dichloropropene
Concen: 239.798 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

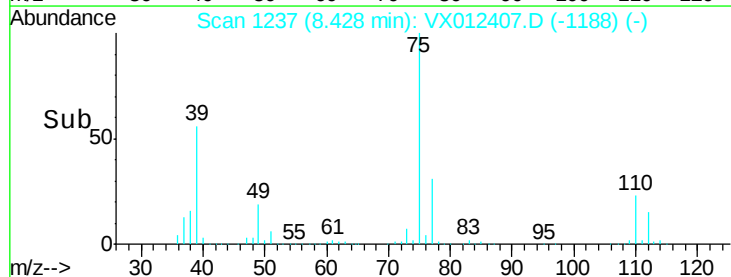
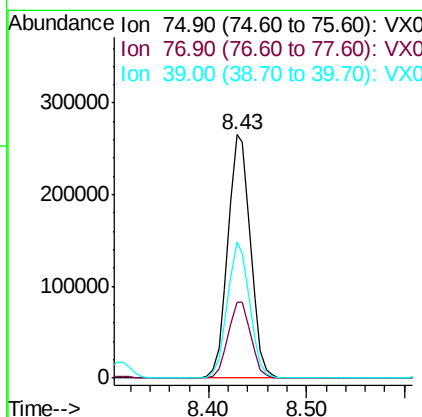
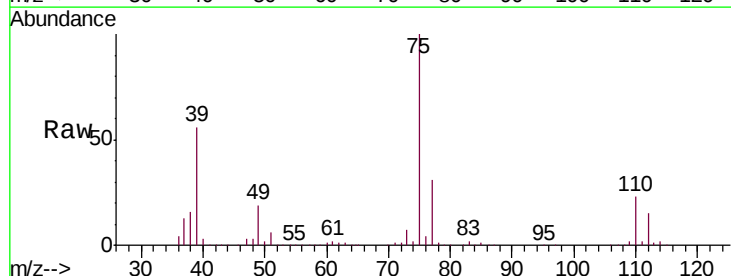
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

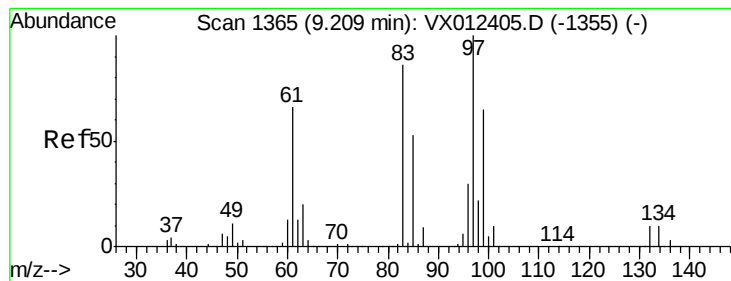
Tgt Ion: 75 Resp: 422823
Ion Ratio Lower Upper
75 100
77 31.2 26.1 39.1



#54
cis-1,3-Dichloropropene
Concen: 224.047 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 75 Resp: 425176
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 55.8 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 209.249 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 277882

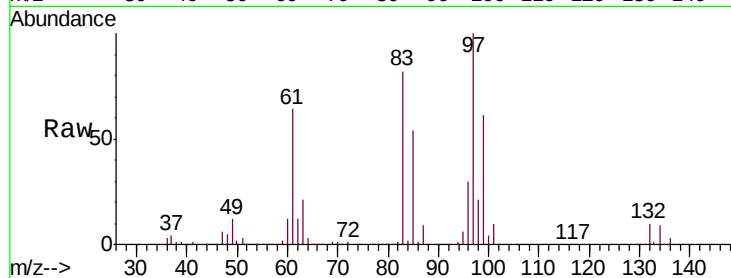
Ion Ratio Lower Upper

97 100

83 82.3 68.5 102.7

85 54.3 42.6 64.0

99 61.4 52.5 78.7

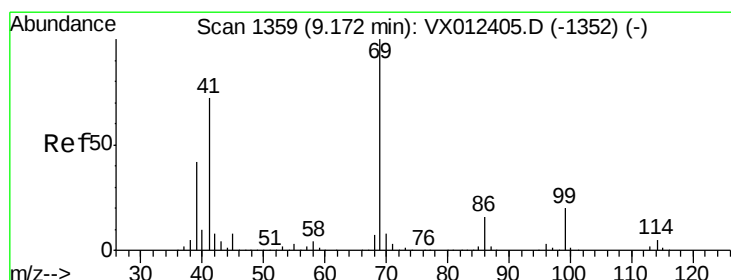
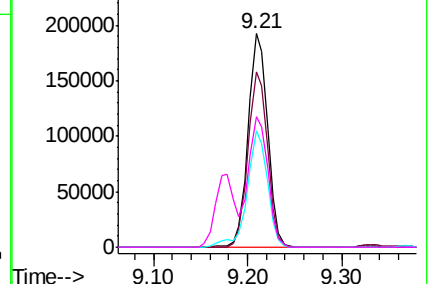
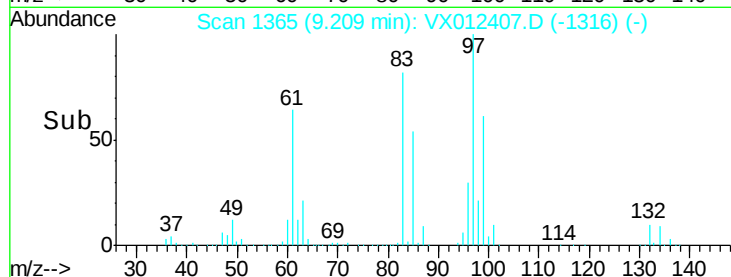


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 243.532 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

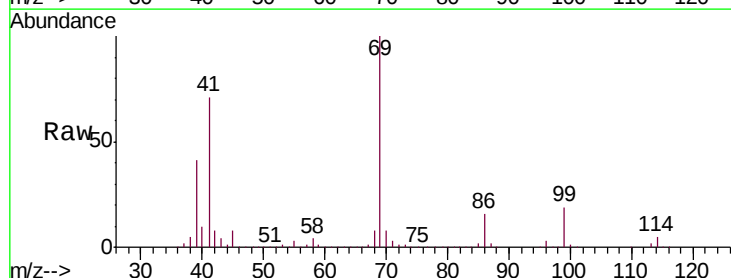
Tgt Ion: 69 Resp: 466268

Ion Ratio Lower Upper

69 100

41 70.9 57.0 85.6

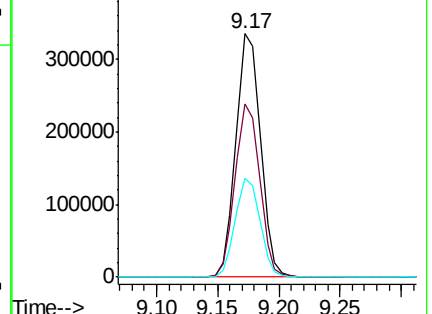
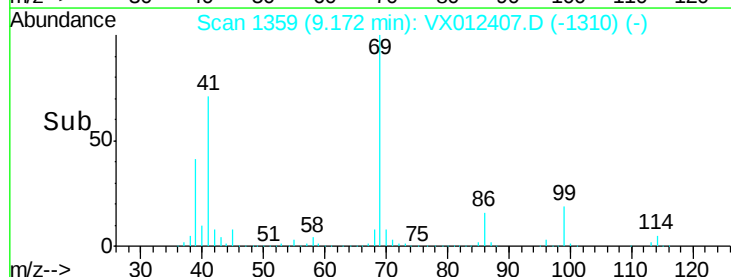
39 40.8 32.6 49.0

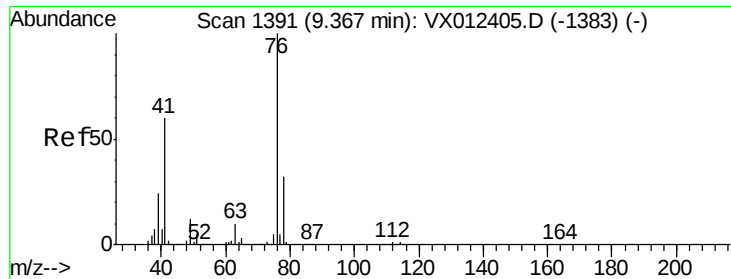


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

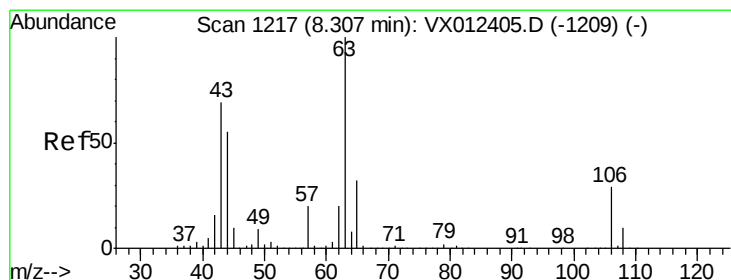
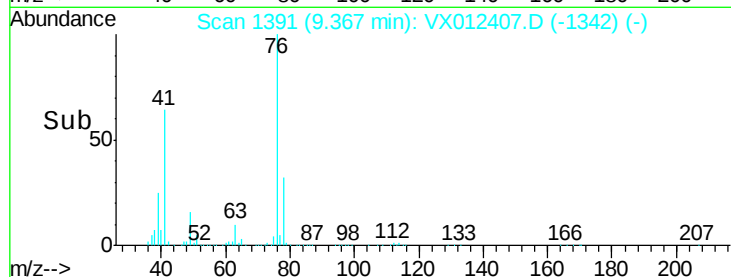
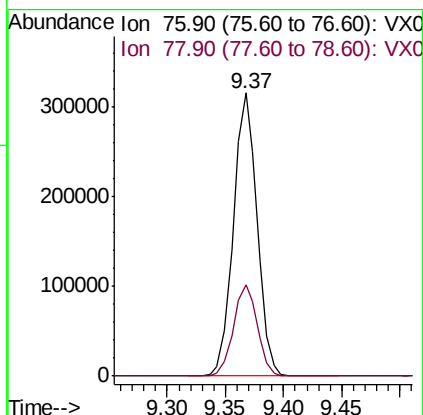
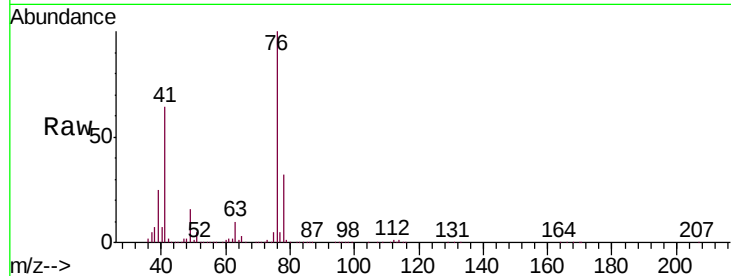




#57
 1,3-Dichloropropane
 Concen: 205.882 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

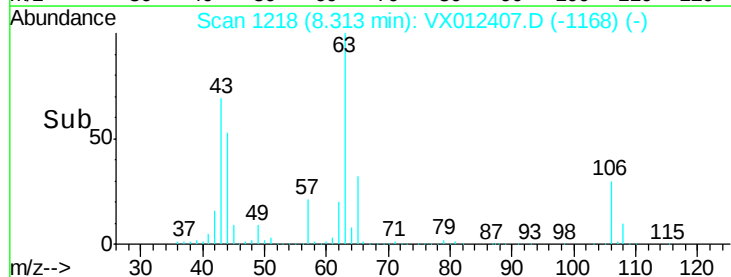
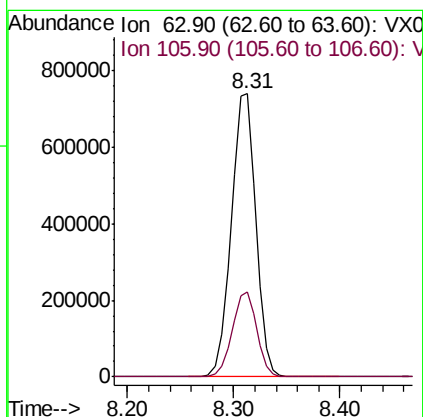
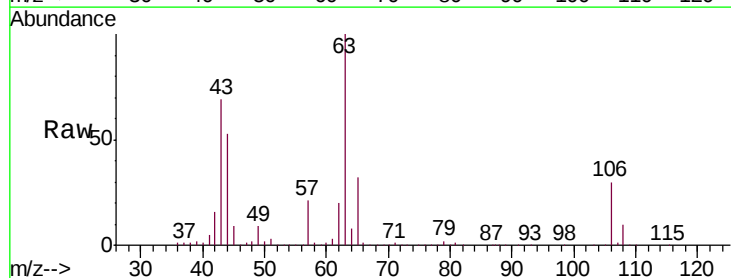
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

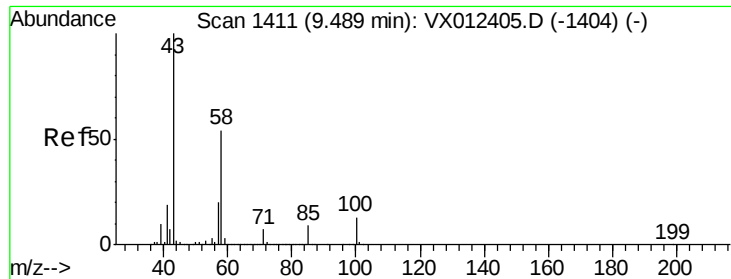
Tgt Ion: 76 Resp: 446735
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 1179.949 ug/l
 RT: 8.31 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion: 63 Resp: 1198053
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.8 35.8

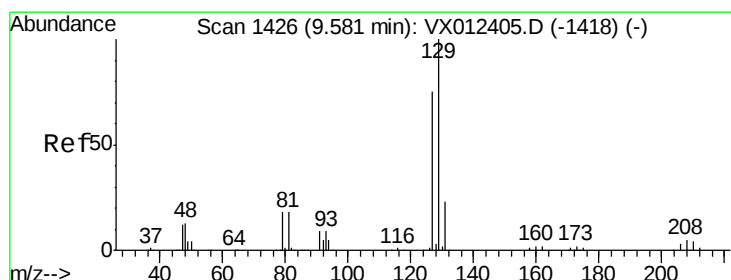
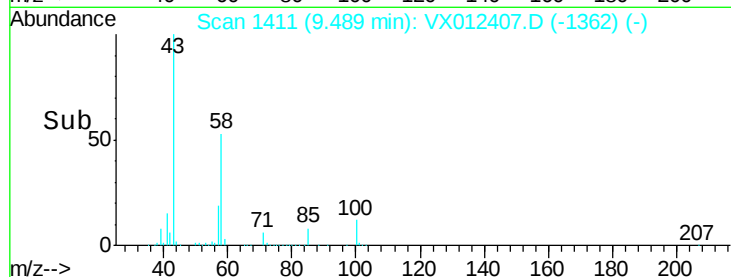
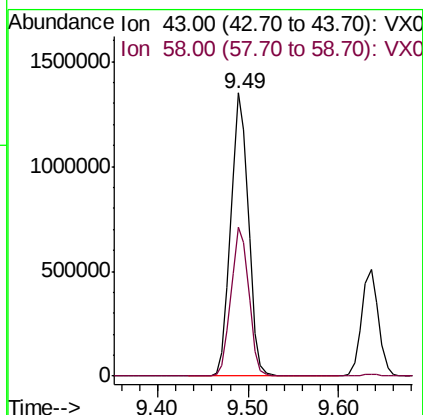
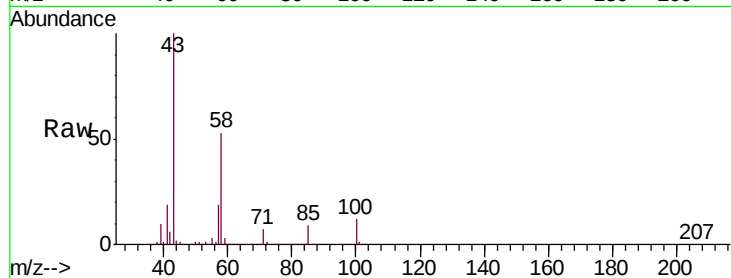




#59
2-Hexanone
Concen: 1253.677 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

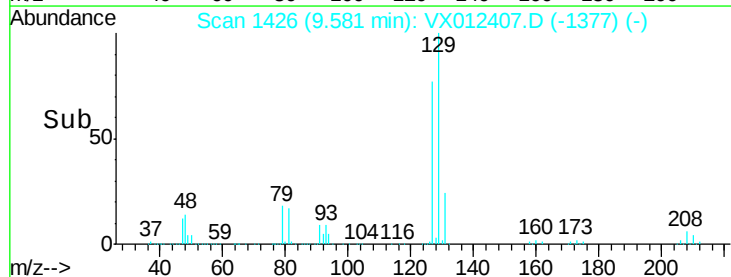
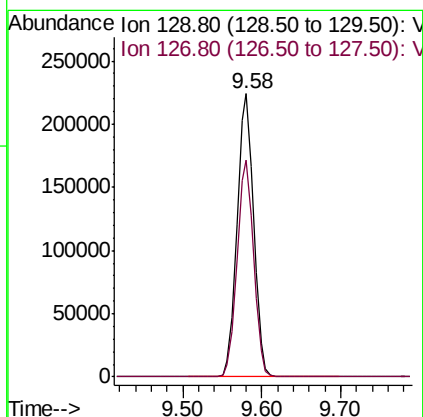
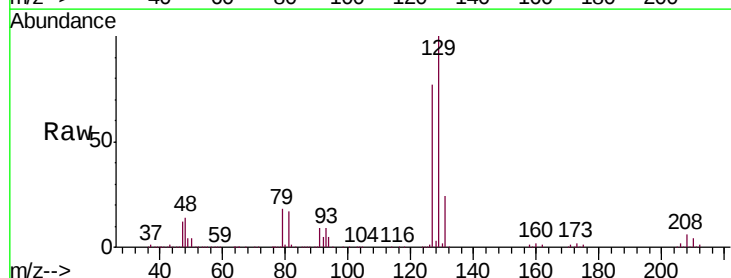
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

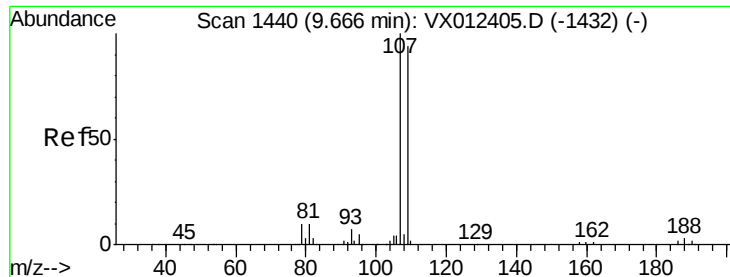
Tgt Ion: 43 Resp: 1823003
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0



#60
Dibromochloromethane
Concen: 227.136 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 129 Resp: 327313
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 196.879 ug/l

RT: 9.67 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

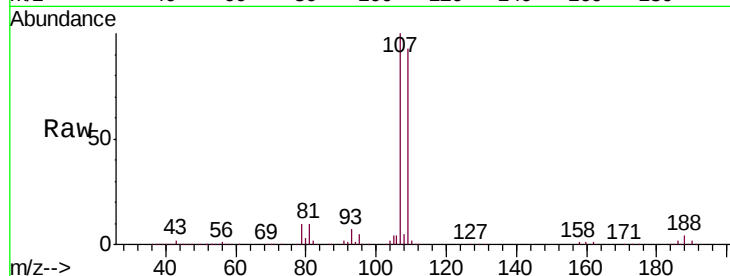
VSTDIC150

Tgt Ion: 107 Resp: 272856

Ion Ratio Lower Upper

107 100

109 93.4 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

150000

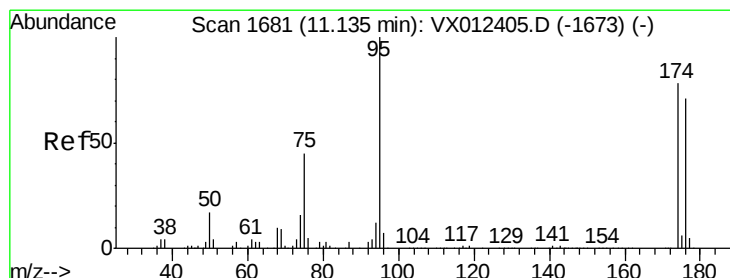
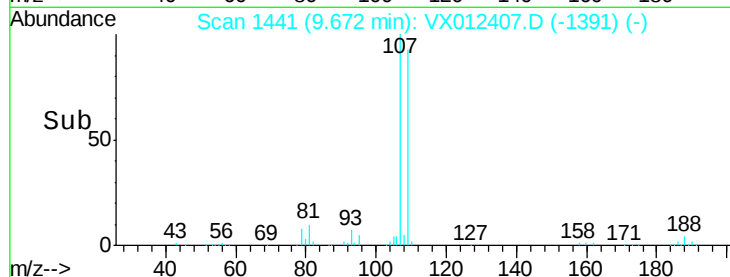
100000

50000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 226.372 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

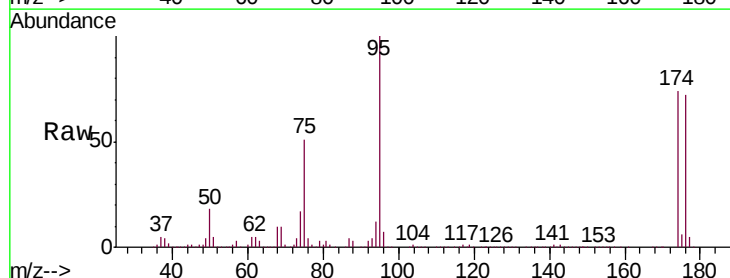
Tgt Ion: 95 Resp: 423816

Ion Ratio Lower Upper

95 100

174 71.9 0.0 146.0

176 69.5 0.0 137.6



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

400000

300000

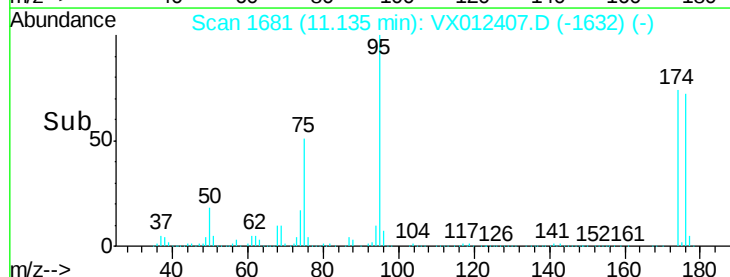
200000

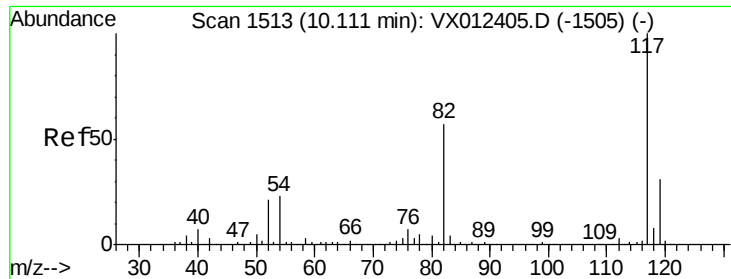
100000

0

Time-->

11.10 11.20

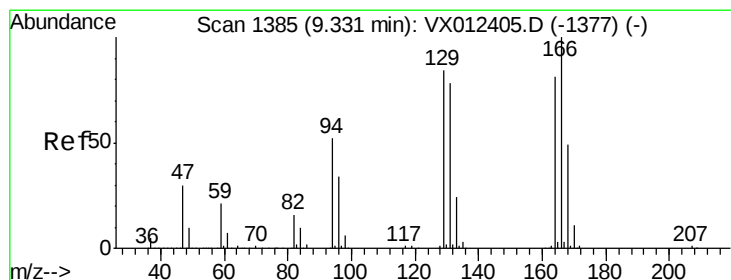
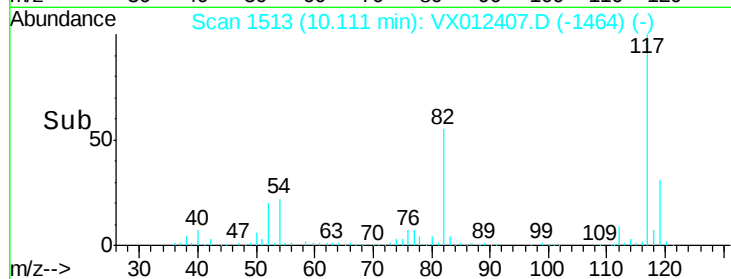
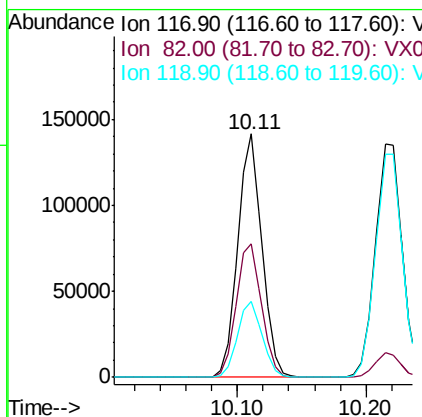
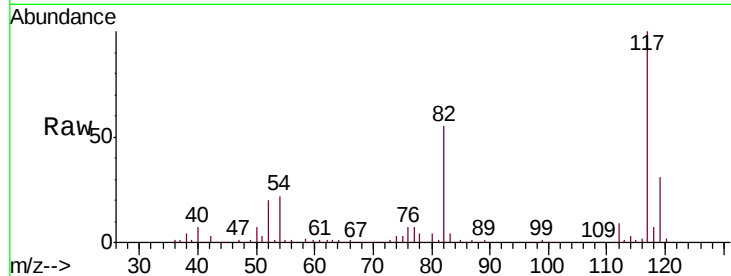




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

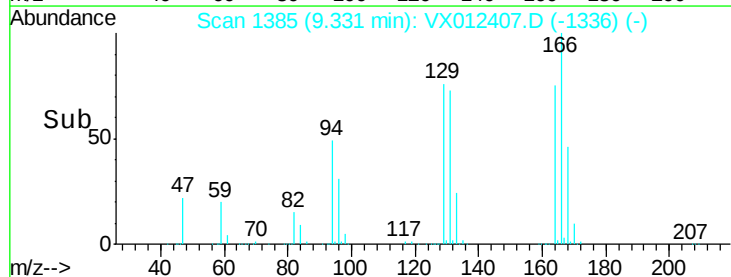
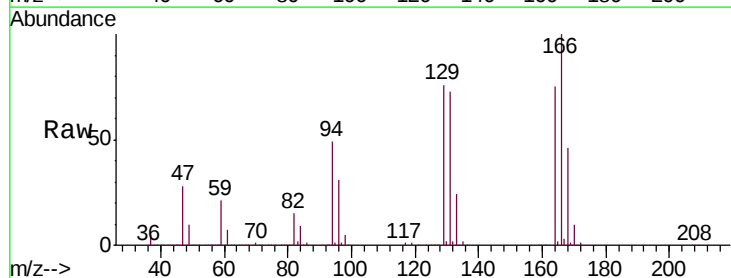
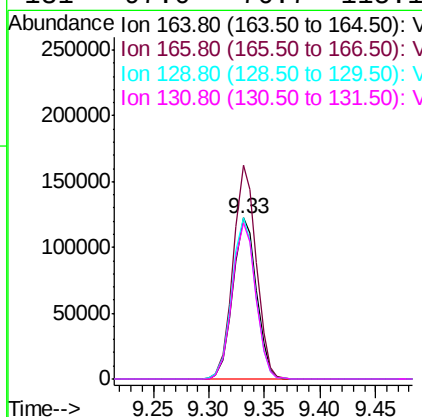
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

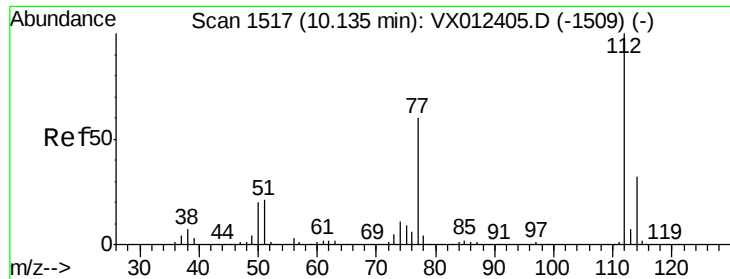
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	45.8	68.6
119	31.4	24.9	37.3



#64
Tetrachloroethene
Concen: 126.138 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	98.2	147.4
129	100.2	82.6	123.8
131	97.0	76.7	115.1





#65

Chlorobenzene

Concen: 176.984 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

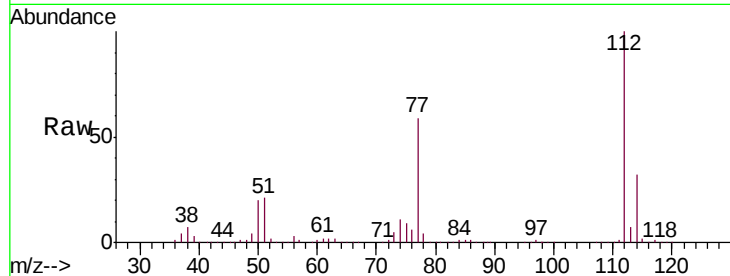
VSTDIC150

Tgt Ion:112 Resp: 667667

Ion Ratio Lower Upper

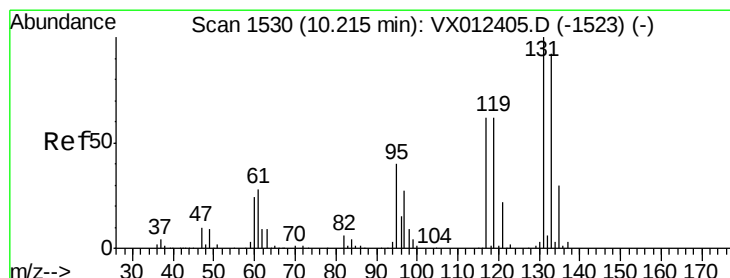
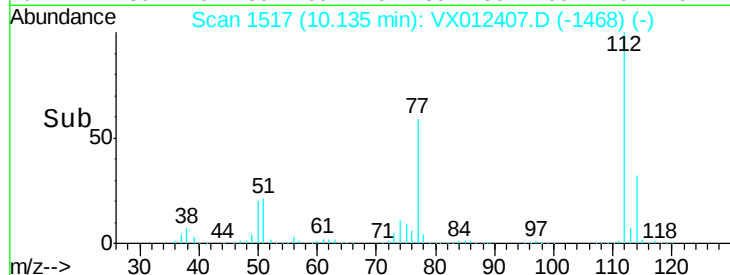
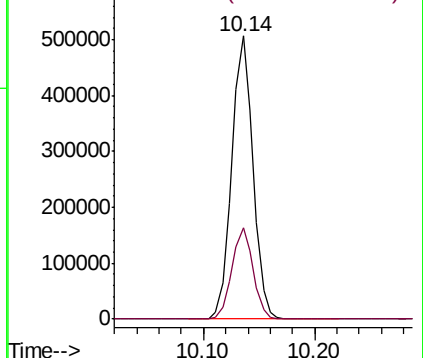
112 100

114 32.1 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 203.225 ug/l

RT: 10.22 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

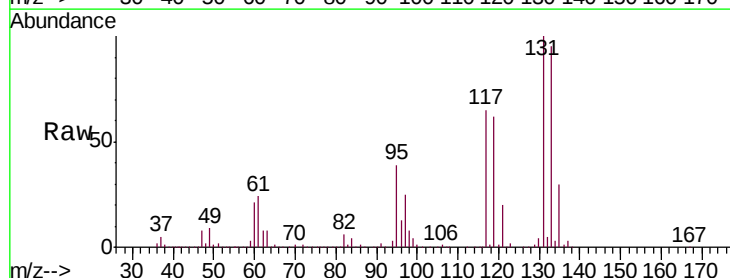
Tgt Ion:131 Resp: 293586

Ion Ratio Lower Upper

131 100

133 95.0 48.4 145.0

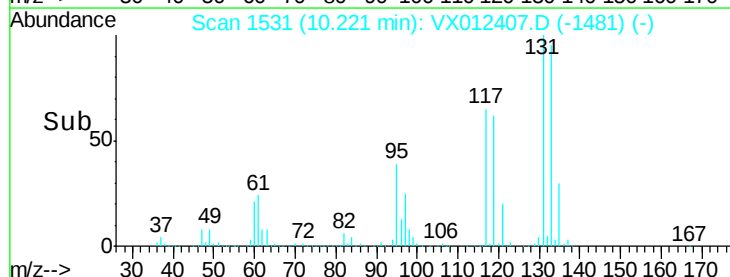
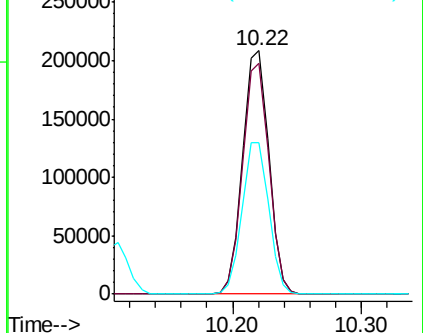
119 63.2 31.6 94.7

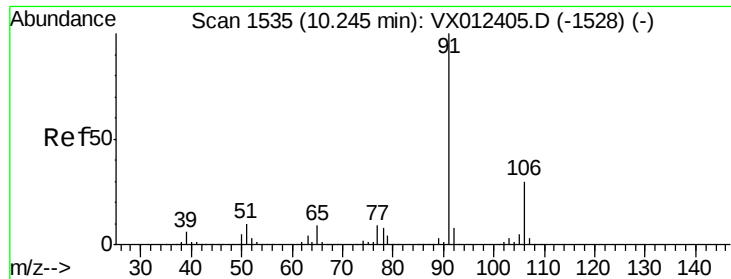


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

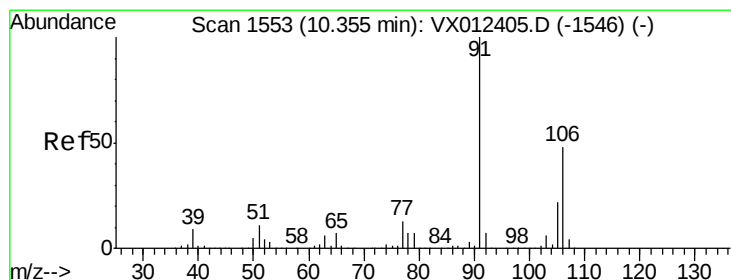
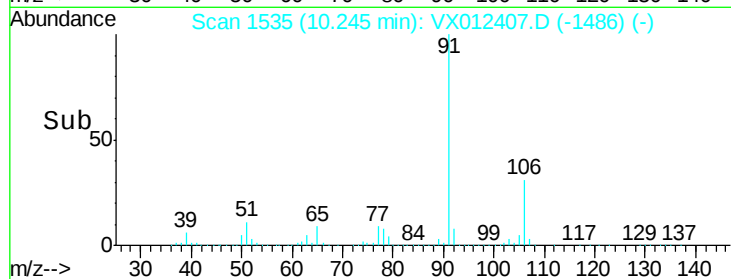
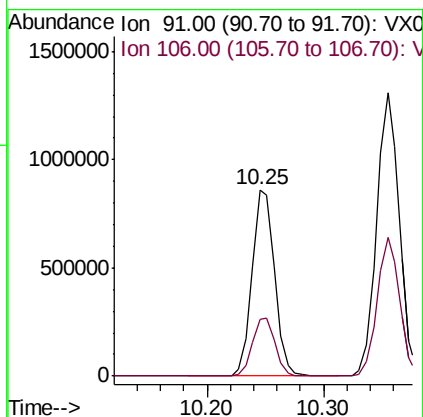
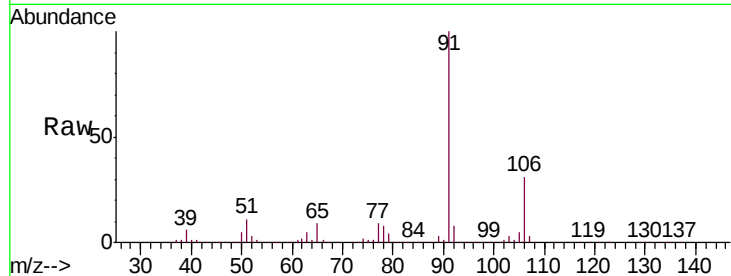




#67
Ethyl Benzene
Concen: 185.229 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

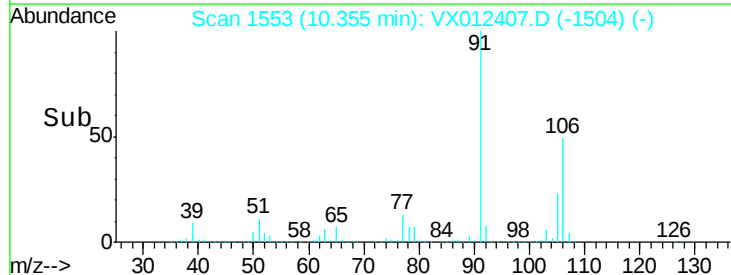
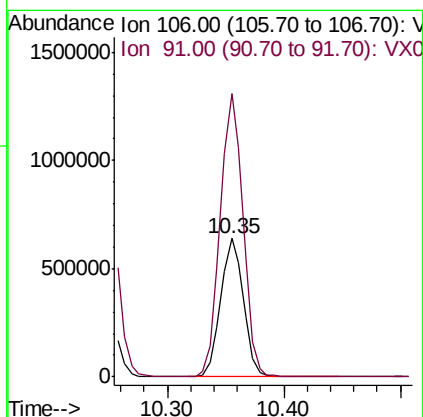
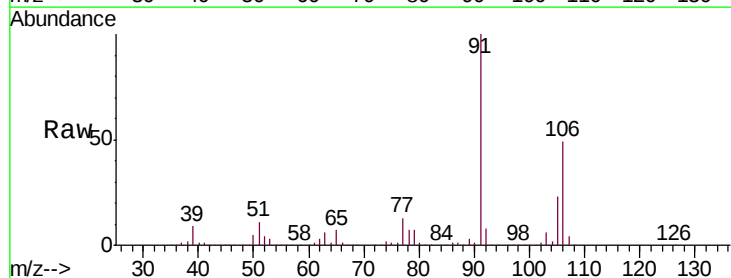
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

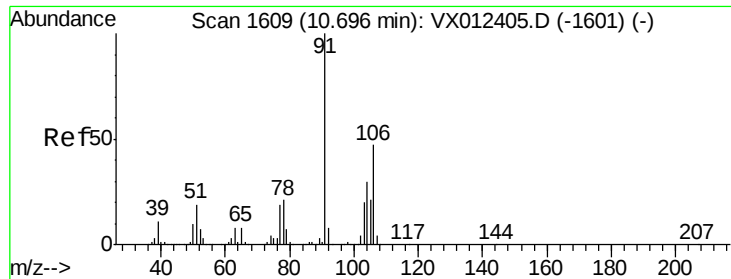
Tgt Ion: 91 Resp: 1163903
Ion Ratio Lower Upper
91 100
106 30.8 24.0 36.0



#68
m/p-Xylenes
Concen: 359.241 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion: 106 Resp: 859665
Ion Ratio Lower Upper
106 100
91 205.7 167.4 251.0

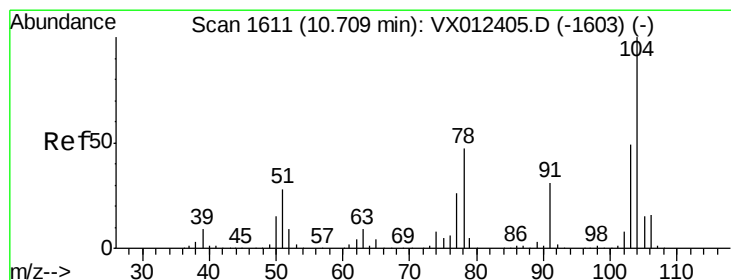
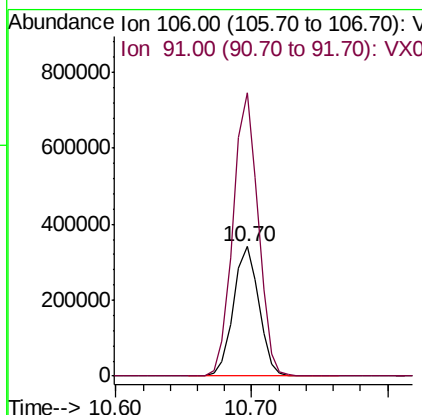
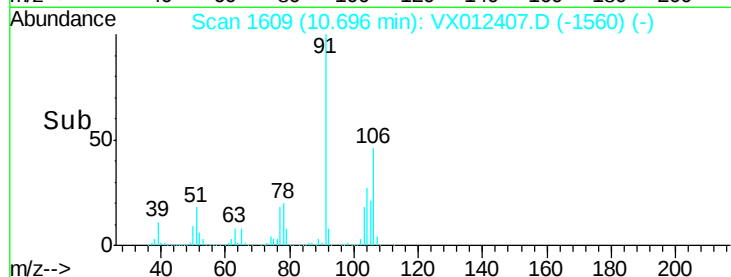
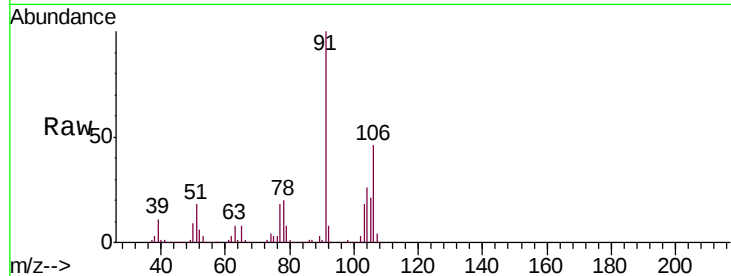




#69
o-Xylene
Concen: 186.727 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

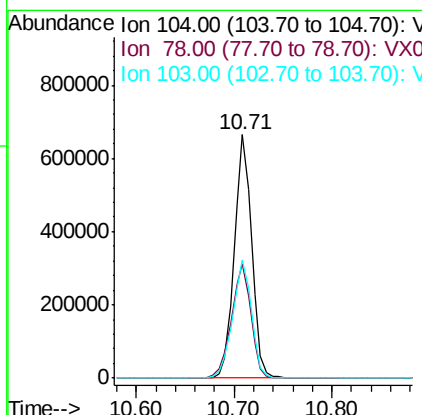
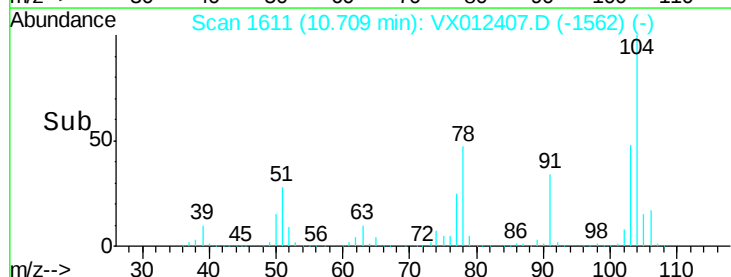
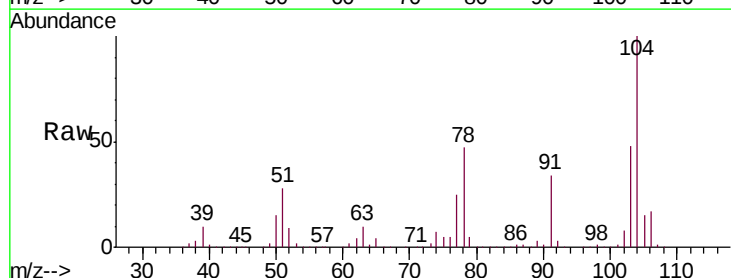
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

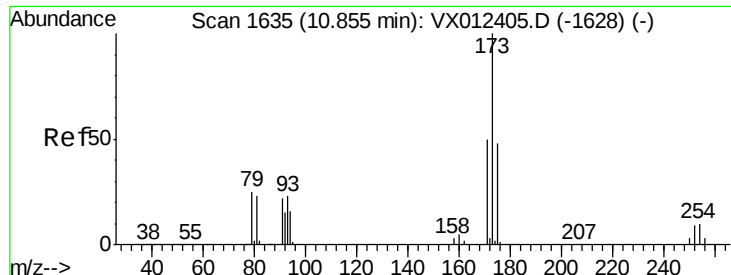
Tgt Ion:106 Resp: 444360
Ion Ratio Lower Upper
106 100
91 216.3 107.8 323.6



#70
Styrene
Concen: 202.979 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion:104 Resp: 818138
Ion Ratio Lower Upper
104 100
78 52.8 42.3 63.5
103 52.9 42.9 64.3





#71

Bromoform

Concen: 204.640 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

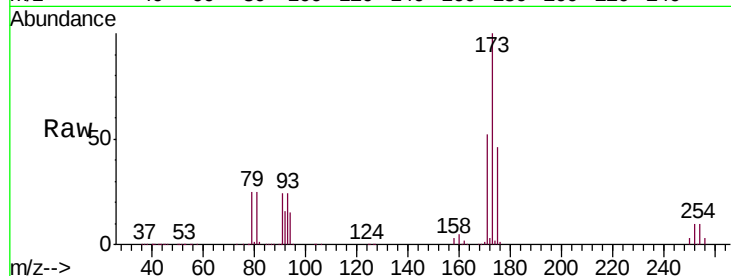
Tgt Ion:173 Resp: 249525

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

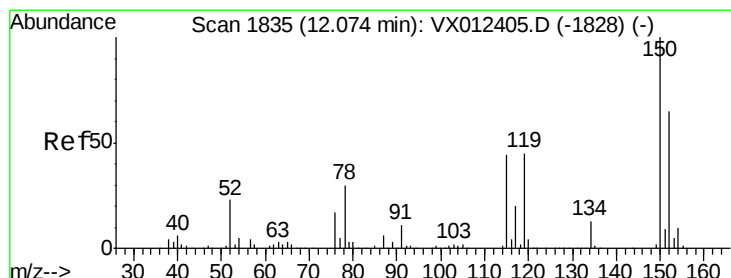
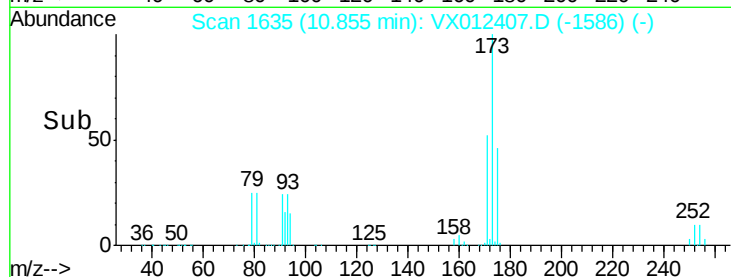
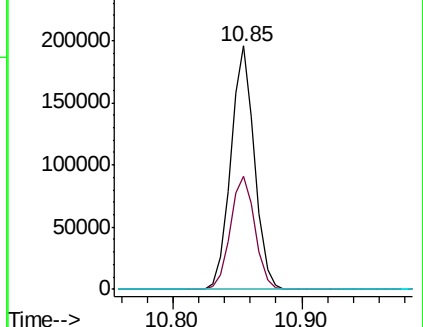
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

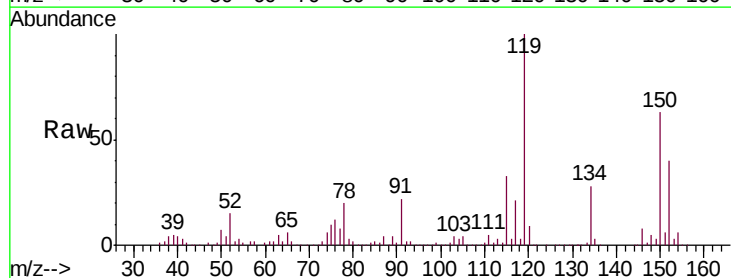
Tgt Ion:152 Resp: 115211

Ion Ratio Lower Upper

152 100

115 140.8 45.3 135.9#

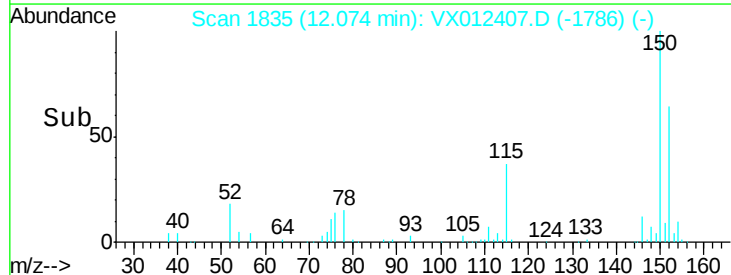
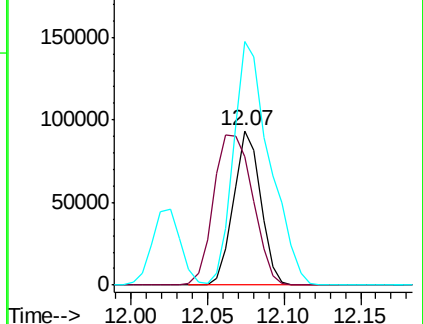
150 210.8 0.0 354.0

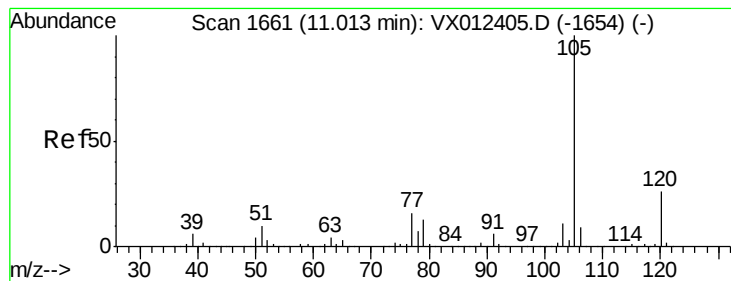


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 171.908 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

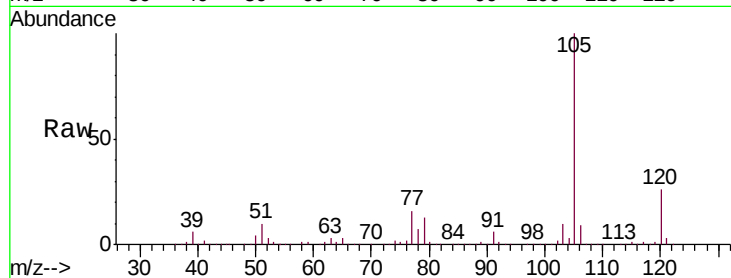
VSTDIC150

Tgt Ion: 105 Resp: 1240938

Ion Ratio Lower Upper

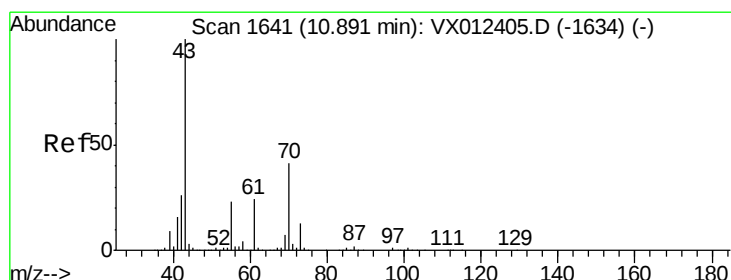
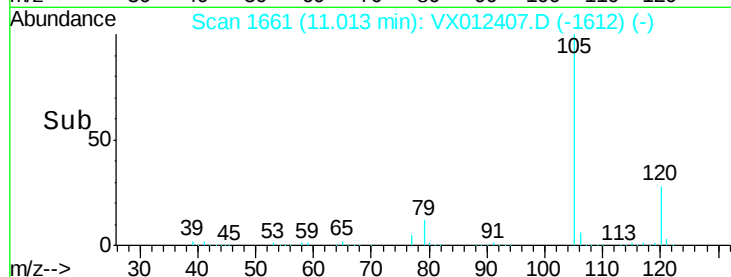
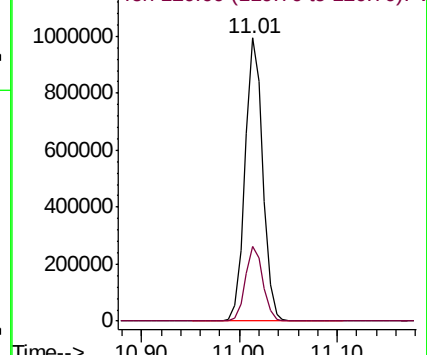
105 100

120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 224.111 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Tgt Ion: 43 Resp: 673097

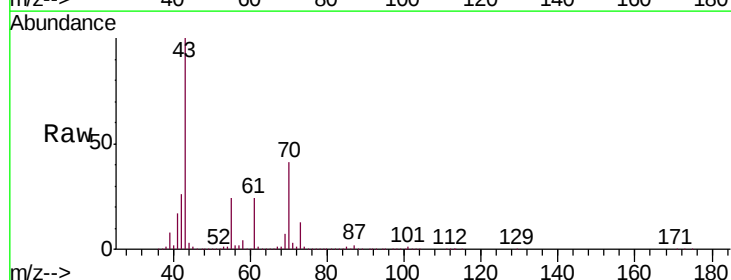
Ion Ratio Lower Upper

43 100

70 41.6 32.7 49.1

55 23.1 18.9 28.3

61 23.7 19.0 28.4

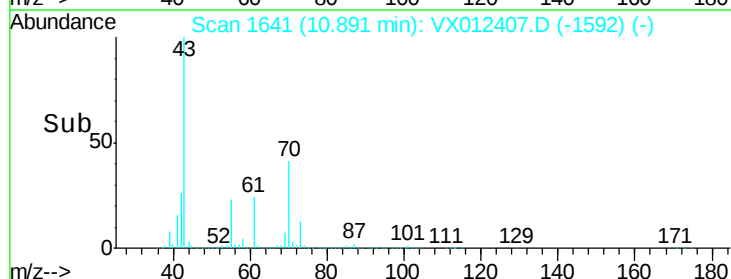
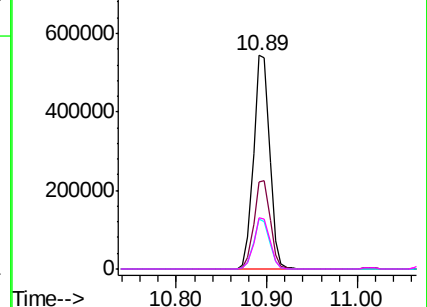


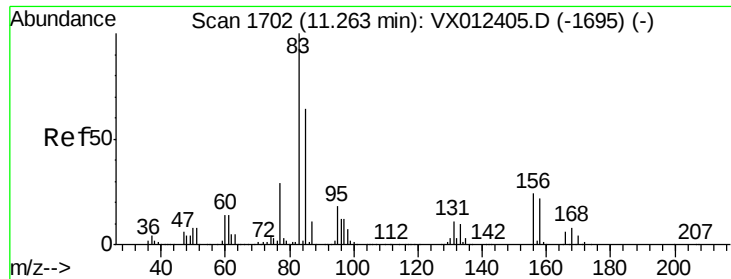
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 194.099 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

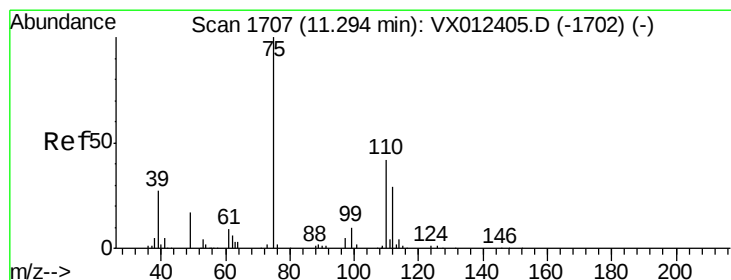
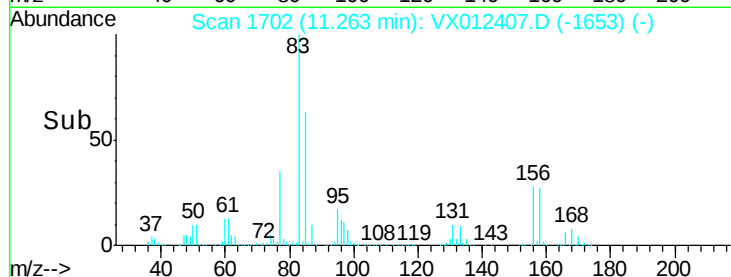
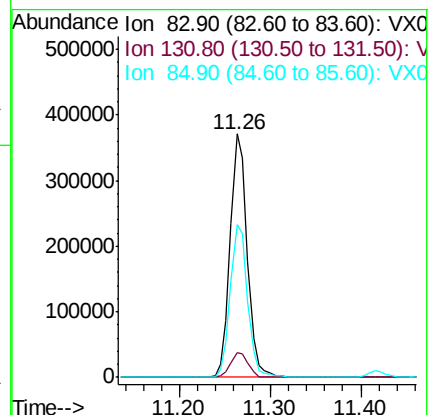
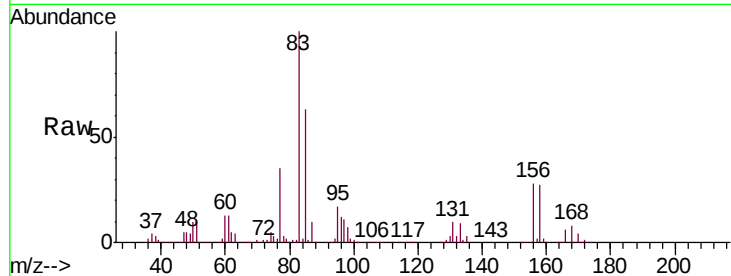
Tgt Ion: 83 Resp: 484236

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

85 64.2 32.9 98.7



#76

1,2,3-Trichloropropane

Concen: 256.470 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012407.D

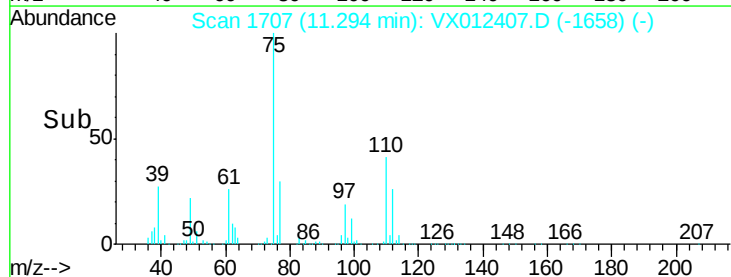
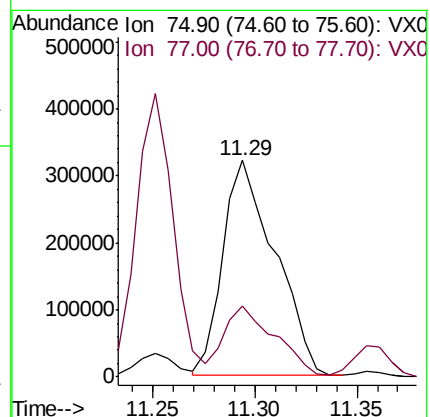
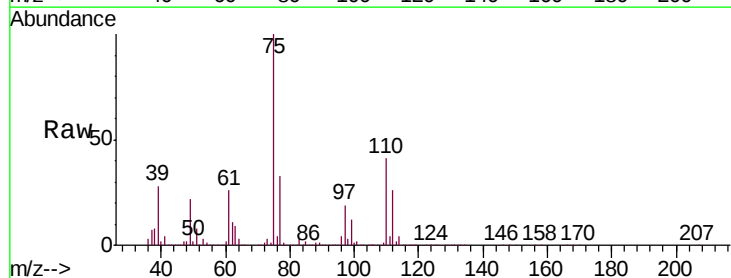
Acq: 16 Sep 2019 14:21

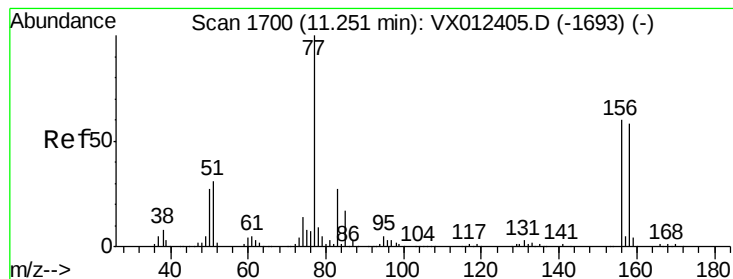
Tgt Ion: 75 Resp: 571961

Ion Ratio Lower Upper

75 100

77 32.4 19.4 58.2





#77

Bromobenzene

Concen: 151.865 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

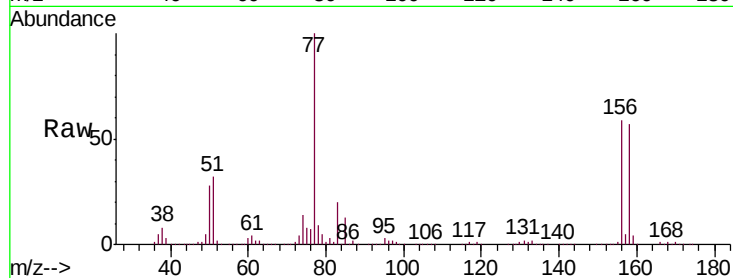
Tgt Ion:156 Resp: 315967

Ion Ratio Lower Upper

156 100

77 168.8 84.8 254.3

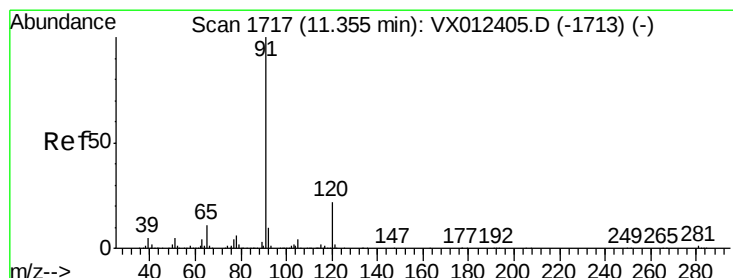
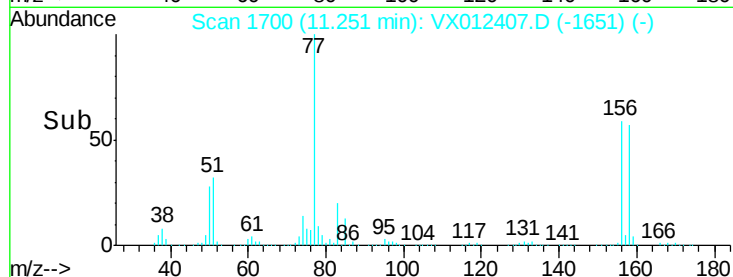
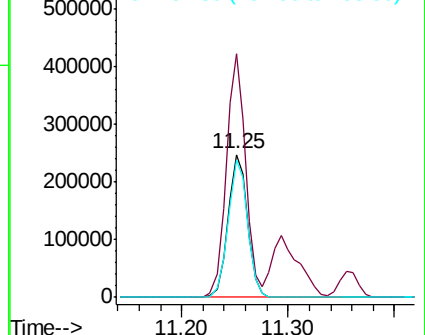
158 96.7 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 183.392 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012407.D

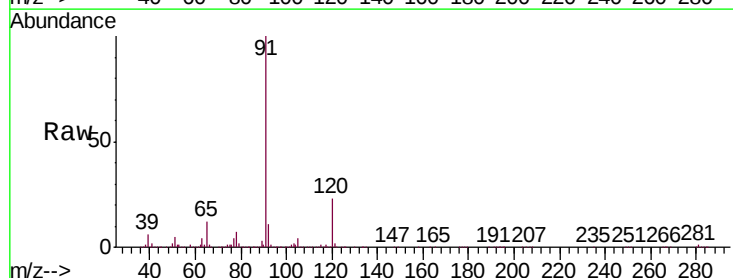
Acq: 16 Sep 2019 14:21

Tgt Ion: 91 Resp: 1424634

Ion Ratio Lower Upper

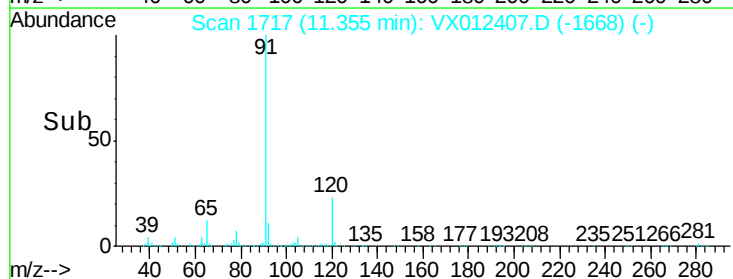
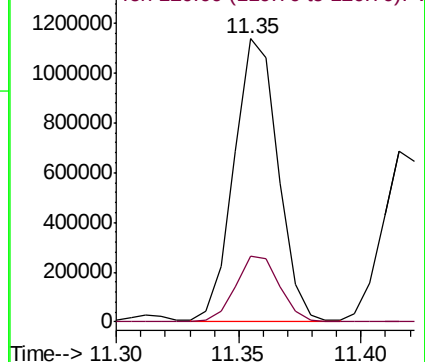
91 100

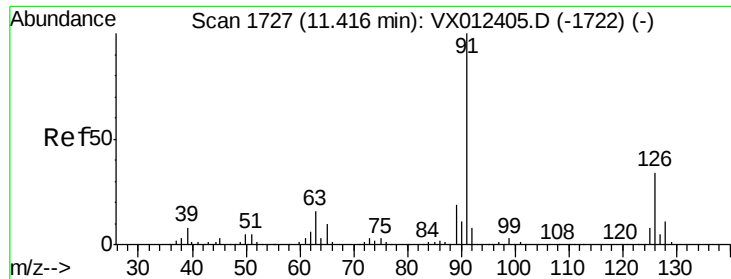
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

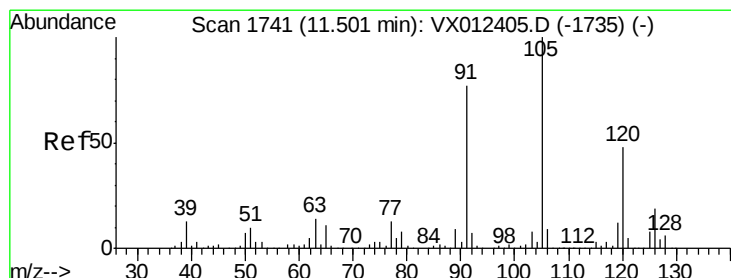
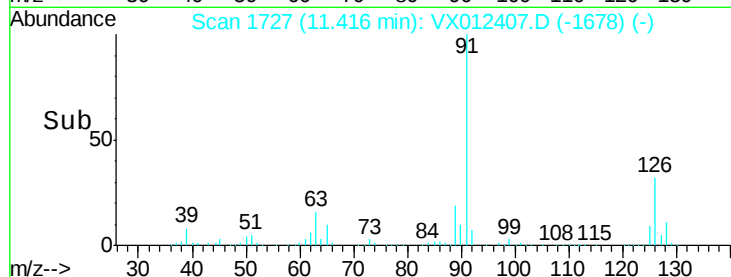
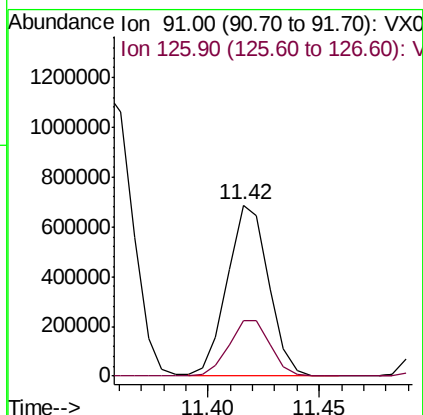
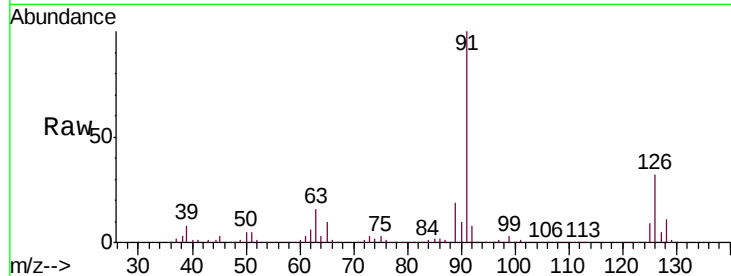




#79
 2-Chlorotoluene
 Concen: 182.664 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

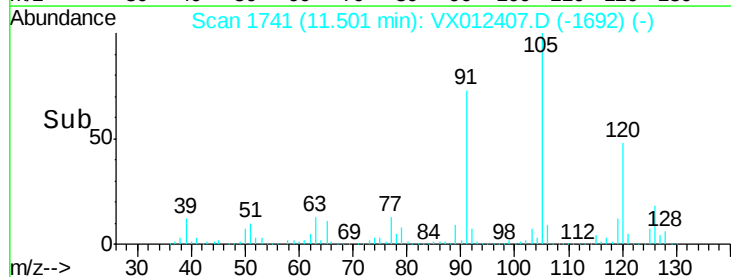
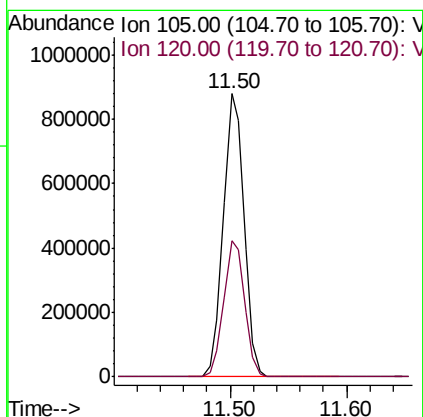
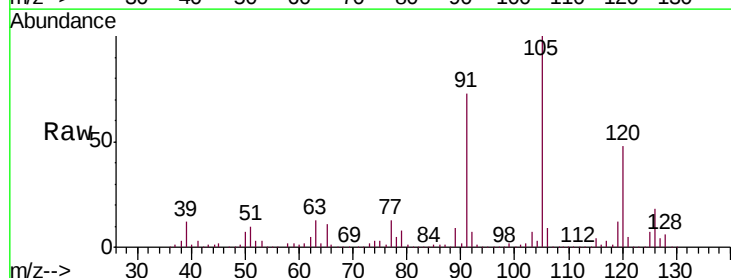
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

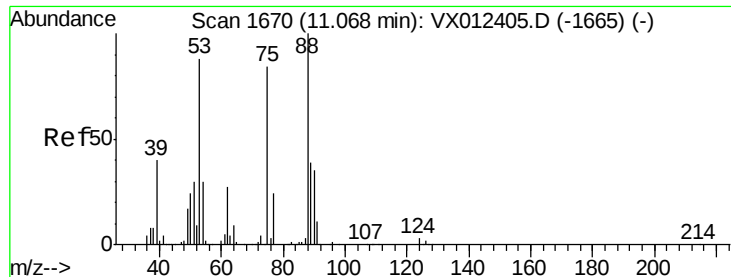
Tgt Ion: 91 Resp: 890024
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 178.268 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion: 105 Resp: 1079720
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 234.987 ug/l

RT: 11.07 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

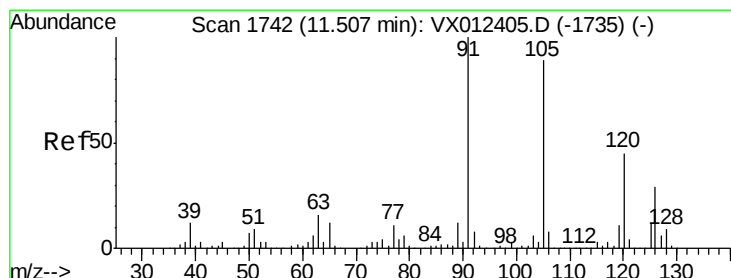
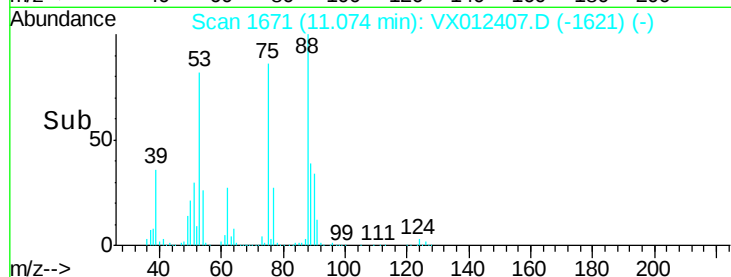
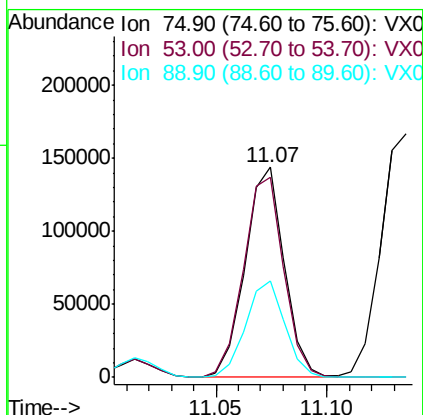
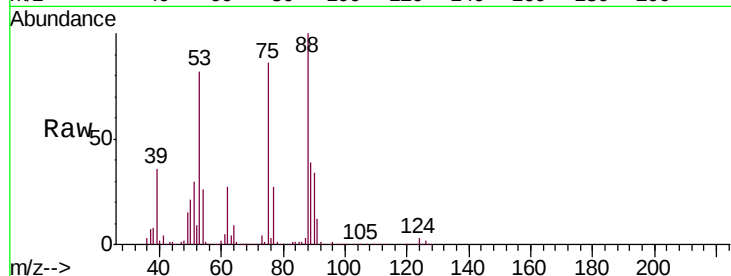
Tgt Ion: 75 Resp: 175353

Ion Ratio Lower Upper

75 100

53 98.4 84.6 127.0

89 46.2 38.8 58.2



#82

4-Chlorotoluene

Concen: 185.665 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012407.D

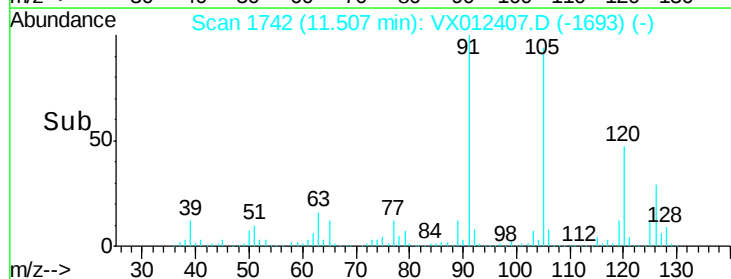
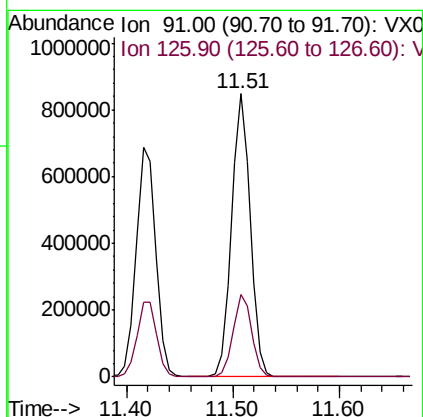
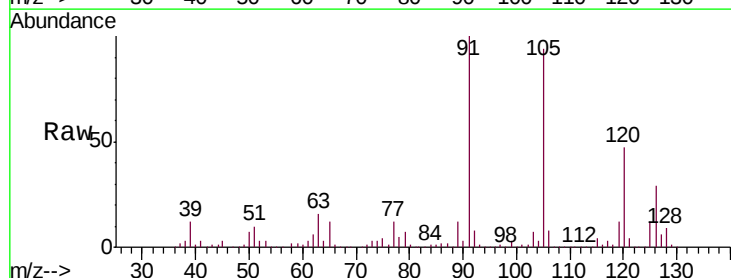
Acq: 16 Sep 2019 14:21

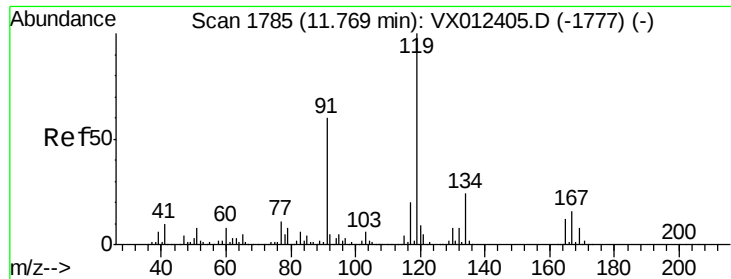
Tgt Ion: 91 Resp: 1047469

Ion Ratio Lower Upper

91 100

126 28.7 14.1 42.3

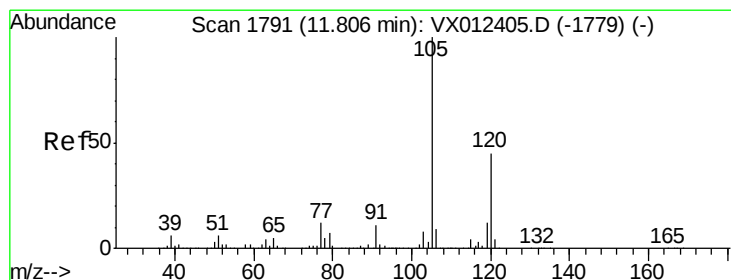
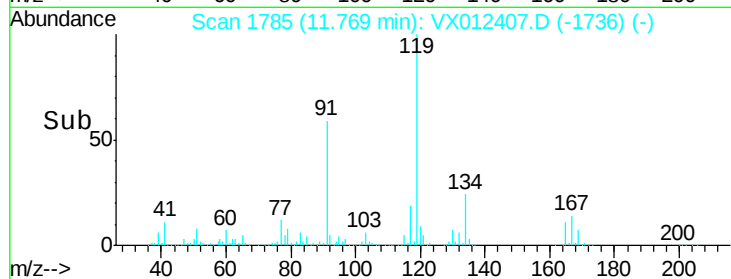
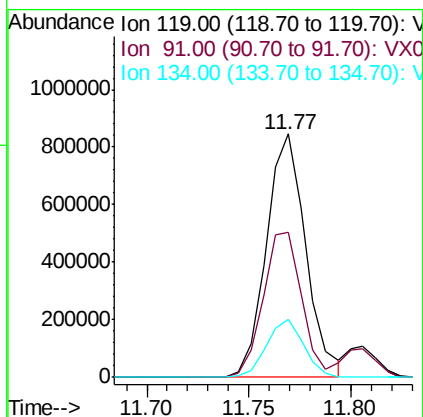
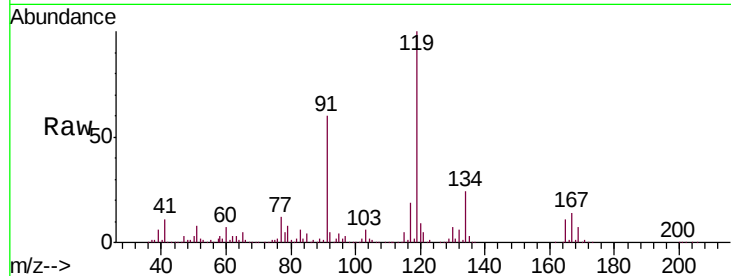




#83
 tert-Butylbenzene
 Concen: 187.971 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

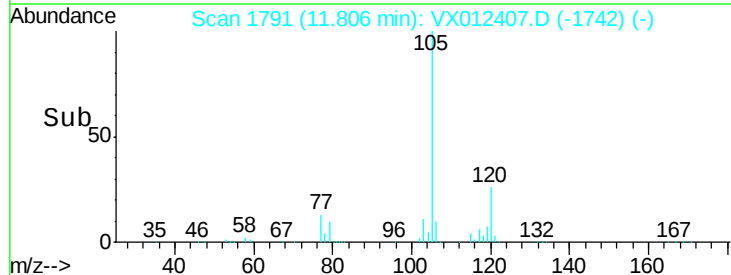
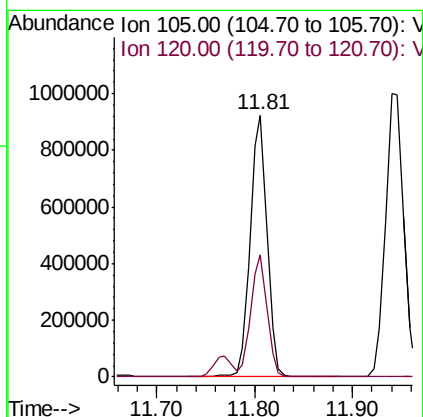
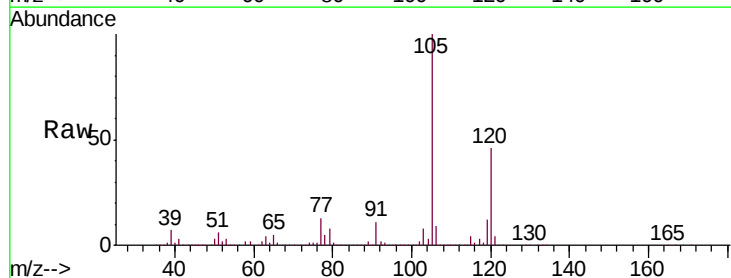
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

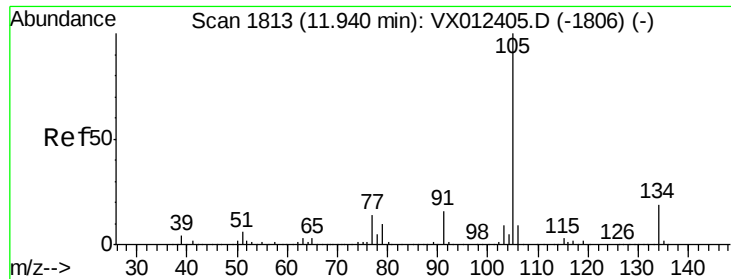
Tgt Ion:119 Resp: 1136553
 Ion Ratio Lower Upper
 119 100
 91 58.3 29.6 88.8
 134 22.7 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 180.419 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion:105 Resp: 1106171
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.1 66.5

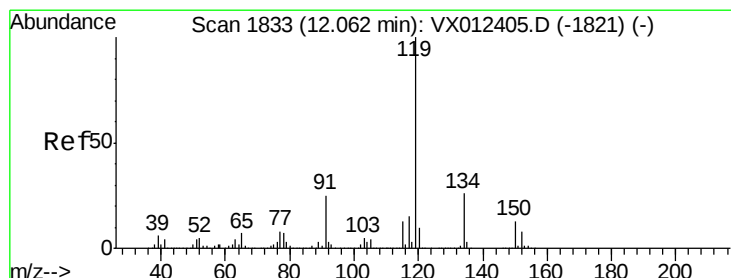
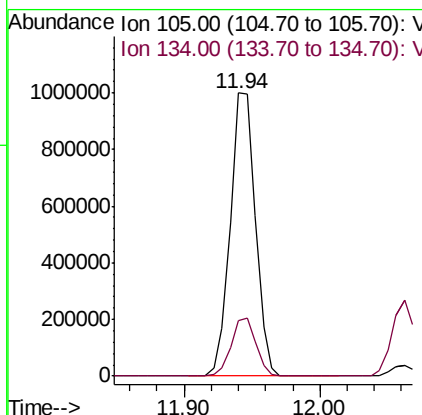
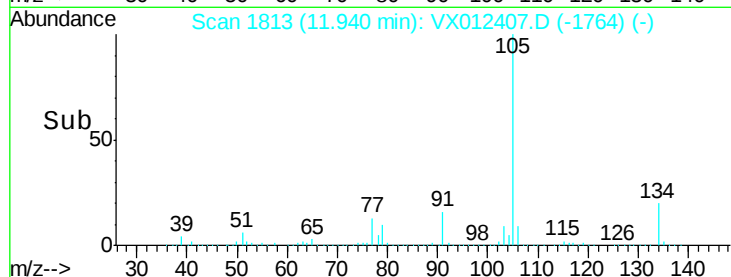
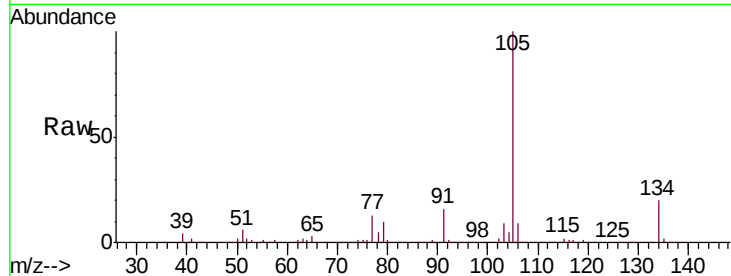




#85
 sec-Butylbenzene
 Concen: 185.782 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

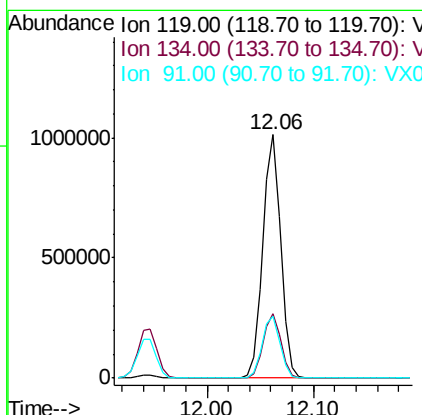
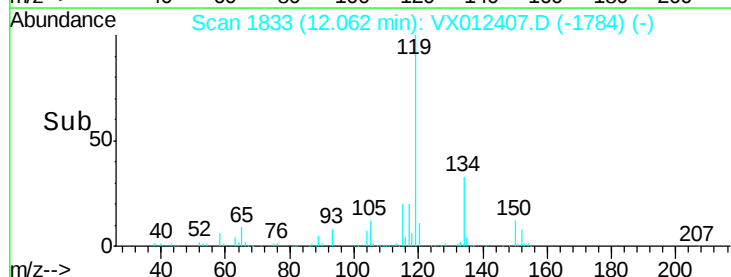
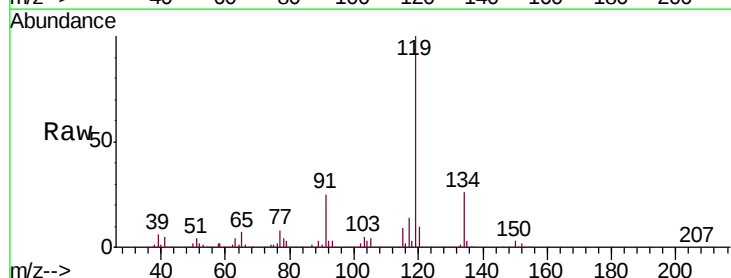
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

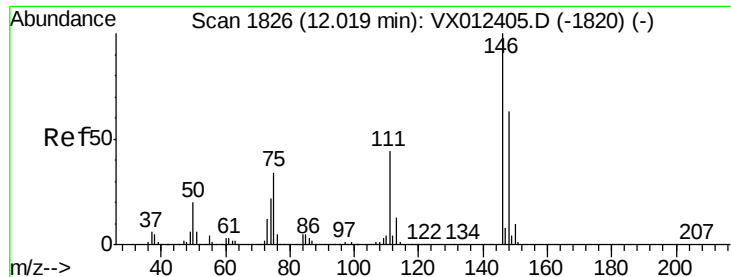
Tgt Ion:105 Resp: 1285917
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 181.796 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion:119 Resp: 1195915
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.6
 91 25.5 12.9 38.6





#87

1,3-Dichlorobenzene

Concen: 166.533 ug/l

RT: 12.03 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

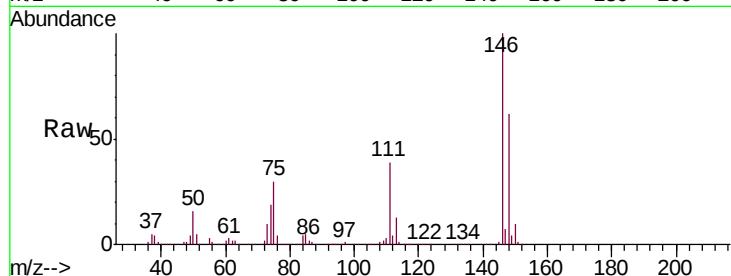
Tgt Ion:146 Resp: 600455

Ion Ratio Lower Upper

146 100

111 41.9 21.3 64.0

148 63.2 31.6 94.8



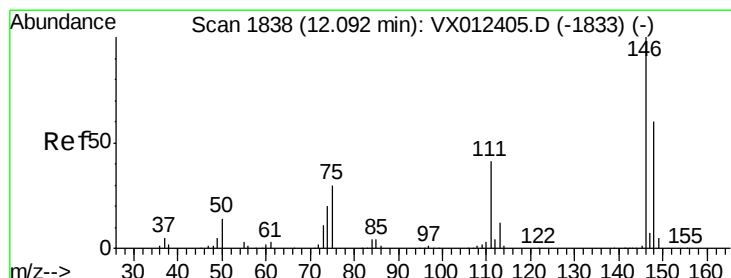
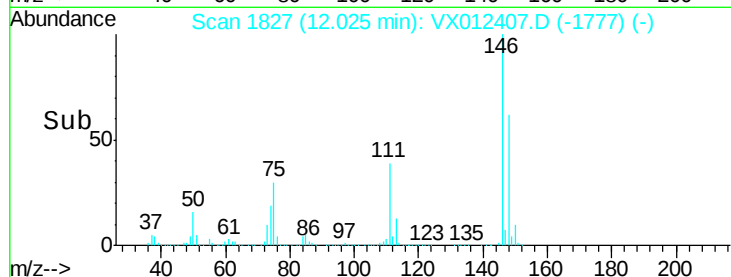
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.03

Time-->



#88

1,4-Dichlorobenzene

Concen: 165.495 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

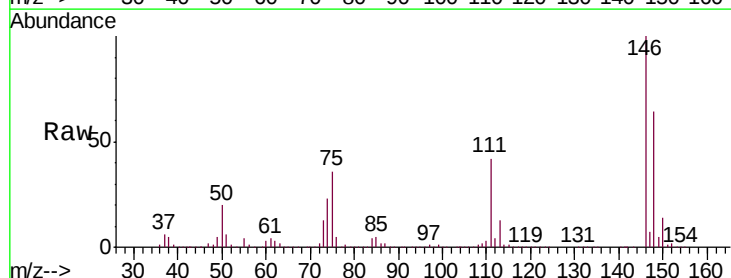
Tgt Ion:146 Resp: 606880

Ion Ratio Lower Upper

146 100

111 40.6 20.6 61.9

148 63.2 31.6 94.8



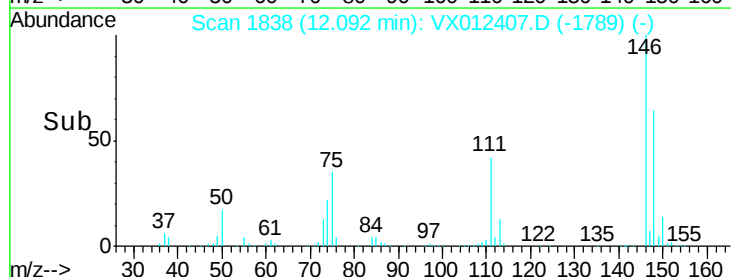
Abundance Ion 145.90 (145.60 to 146.60): V

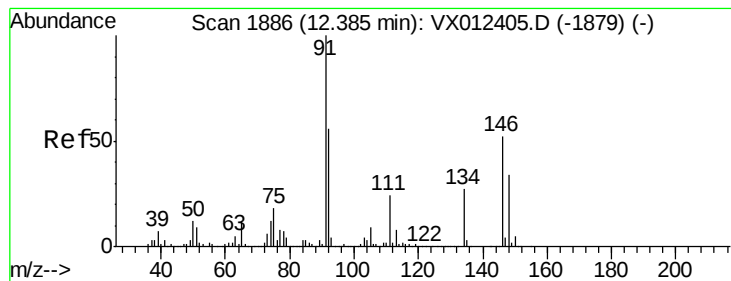
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.09

Time-->





#89

n-Butylbenzene

Concen: 196.668 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

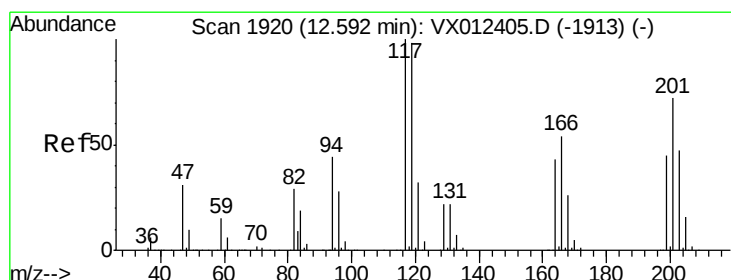
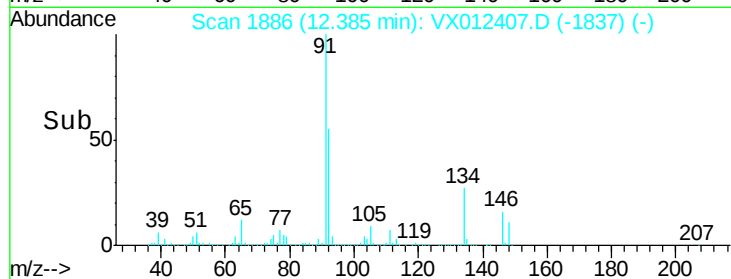
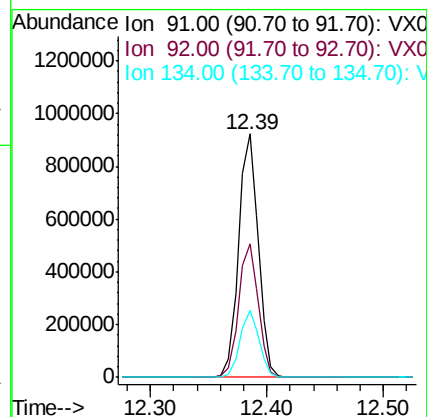
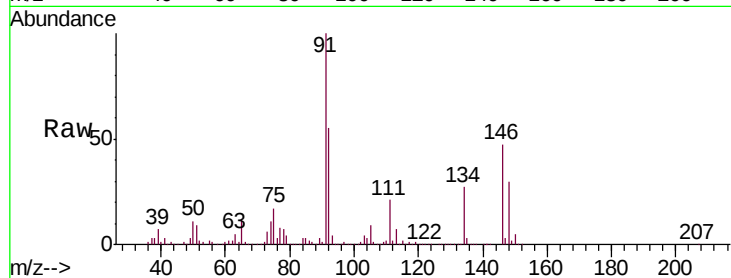
Tgt Ion: 91 Resp: 1086684

Ion Ratio Lower Upper

91 100

92 54.8 27.5 82.4

134 26.6 13.2 39.6



#90

Hexachloroethane

Concen: 226.661 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012407.D

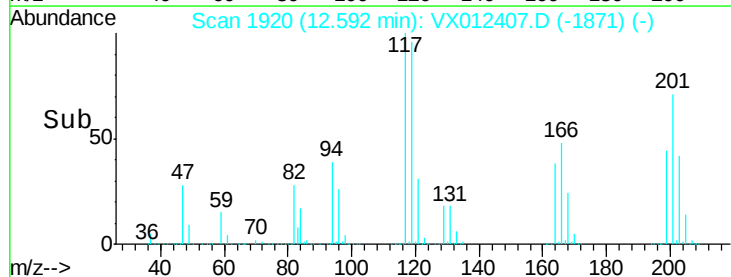
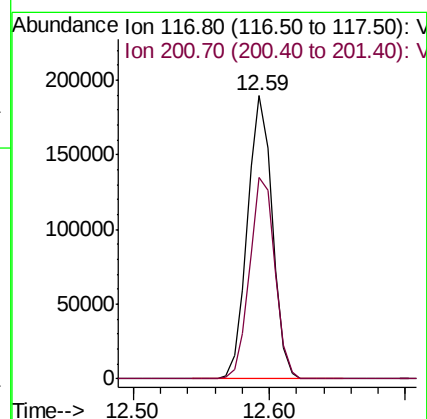
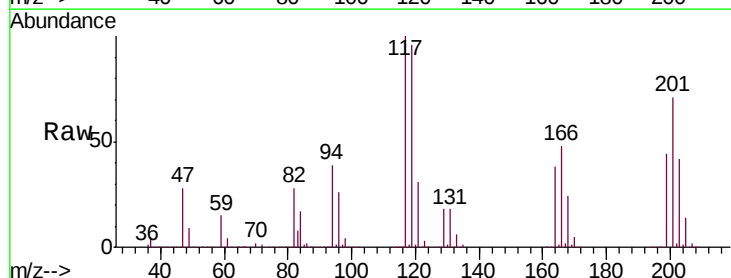
Acq: 16 Sep 2019 14:21

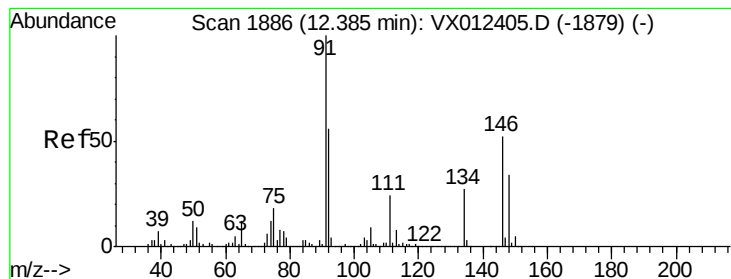
Tgt Ion: 117 Resp: 242179

Ion Ratio Lower Upper

117 100

201 72.5 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 161.999 ug/l

RT: 12.39 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

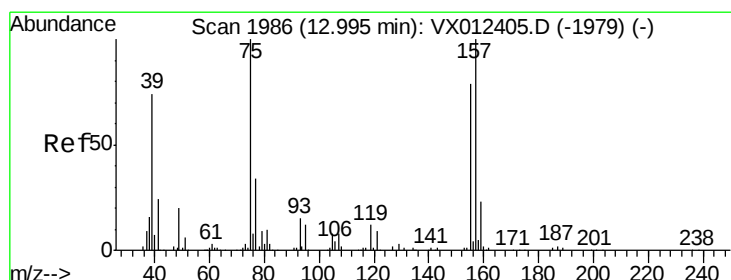
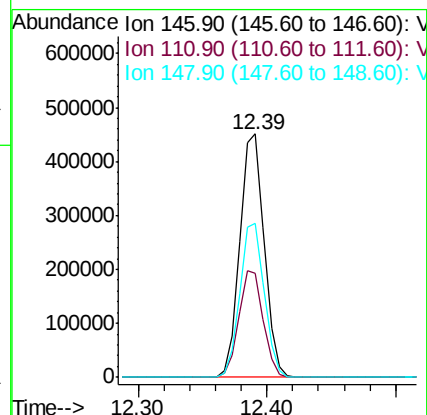
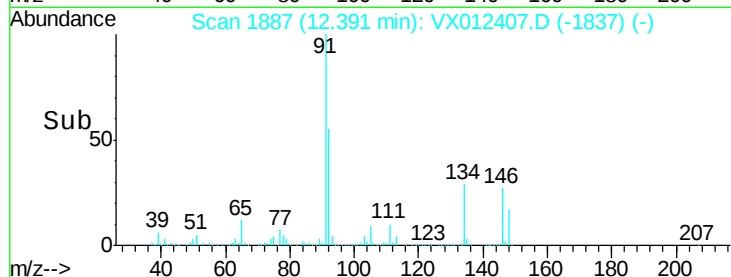
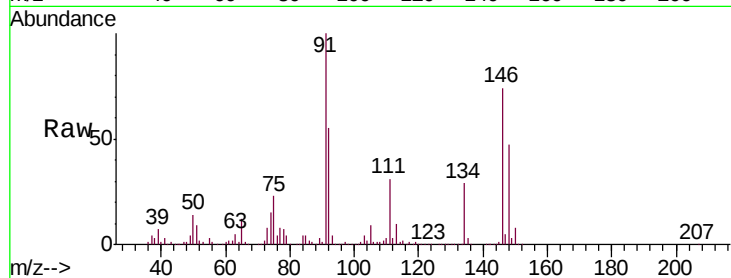
Tgt Ion:146 Resp: 594570

Ion Ratio Lower Upper

146 100

111 43.8 22.3 66.9

148 63.4 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 221.744 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012407.D

Acq: 16 Sep 2019 14:21

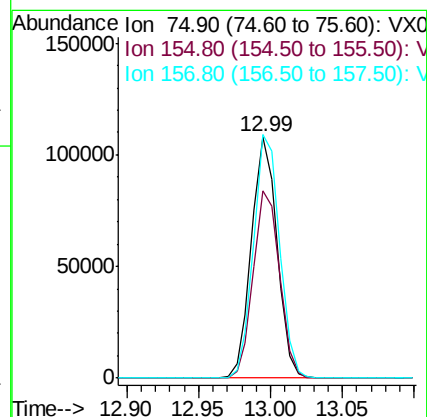
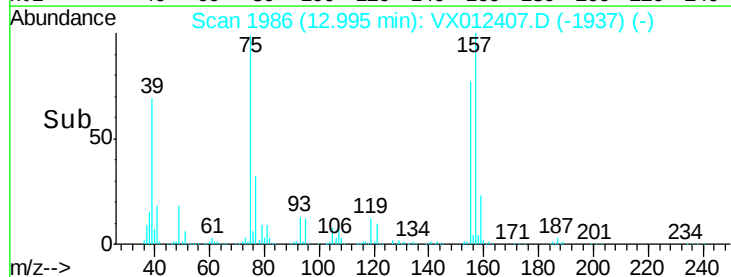
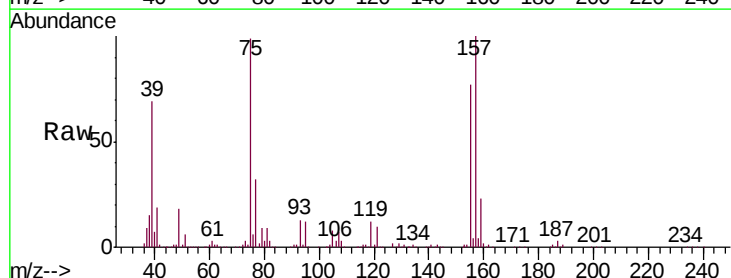
Tgt Ion: 75 Resp: 132466

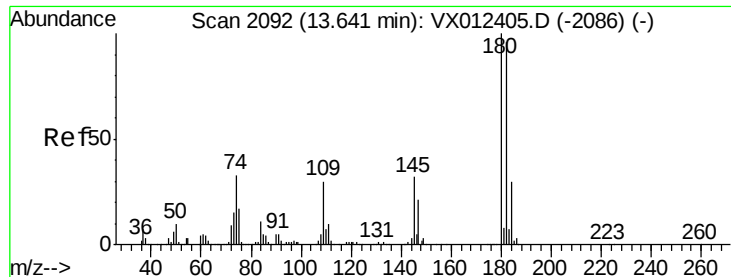
Ion Ratio Lower Upper

75 100

155 79.6 39.8 119.4

157 102.6 50.0 150.1

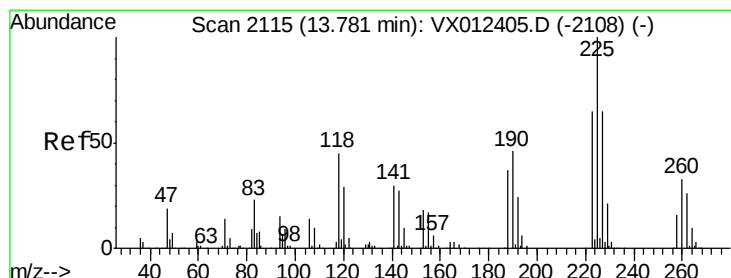
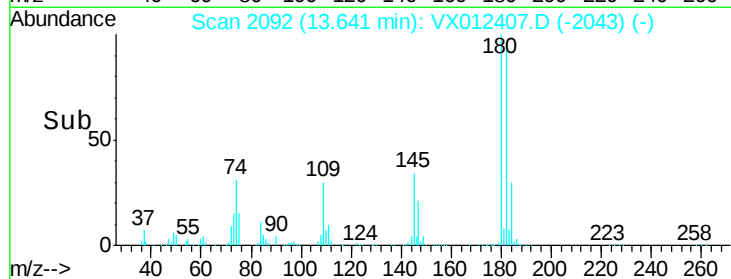
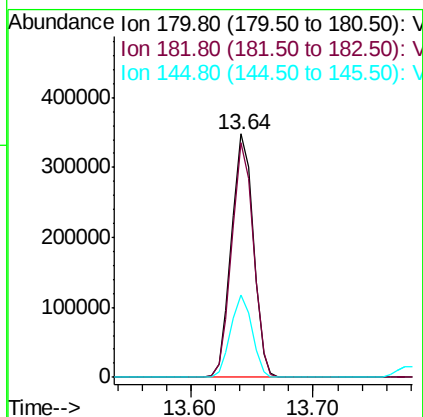
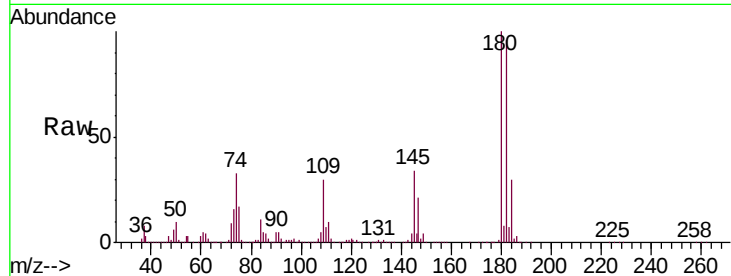




#93
 1,2,4-Trichlorobenzene
 Concen: 162.334 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

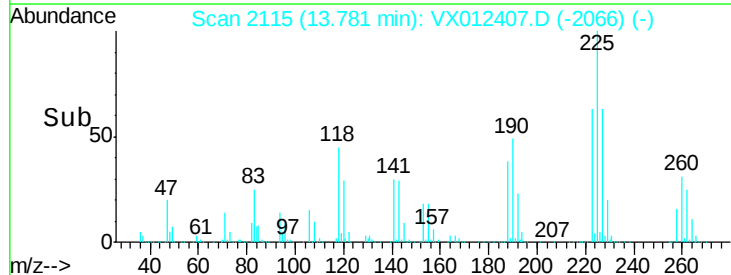
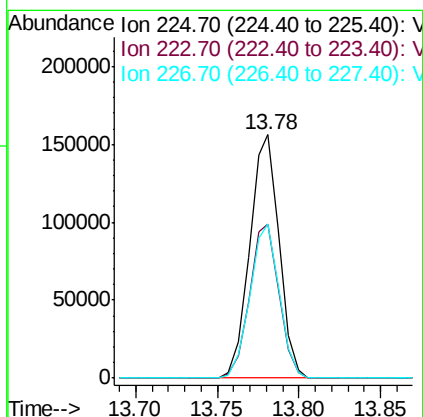
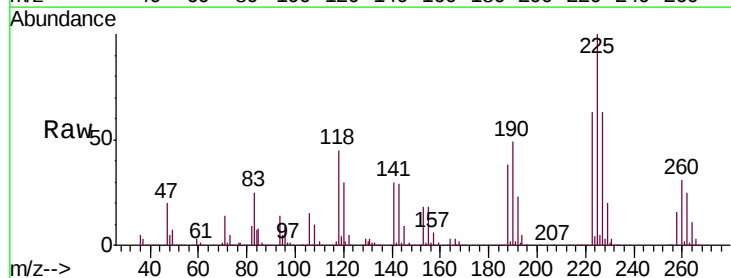
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

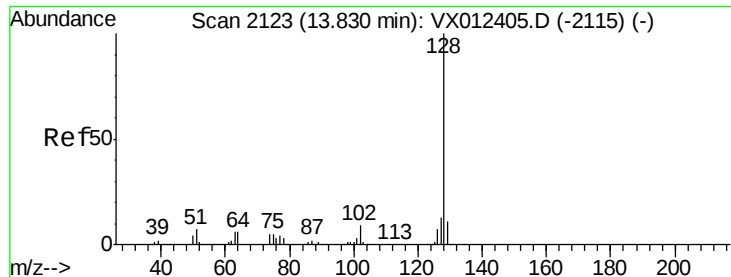
Tgt Ion:180 Resp: 429133
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.1 144.4
 145 33.1 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 136.274 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012407.D
 Acq: 16 Sep 2019 14:21

Tgt Ion:225 Resp: 195494
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.0 96.0
 227 63.0 32.8 98.3

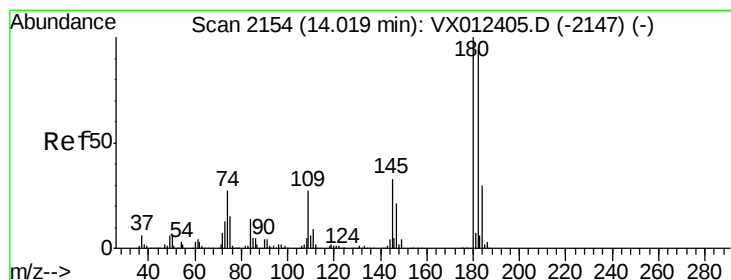
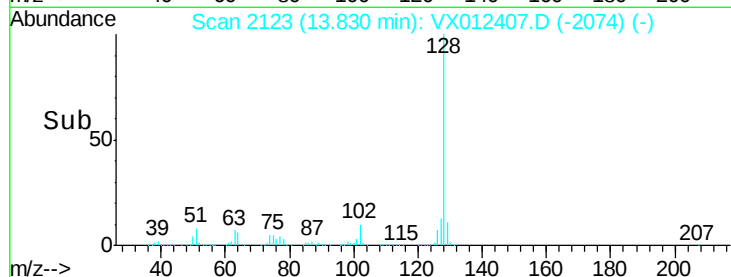
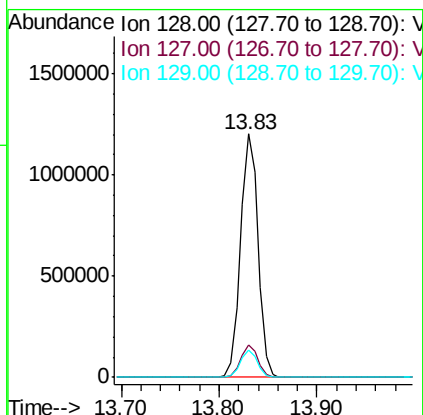
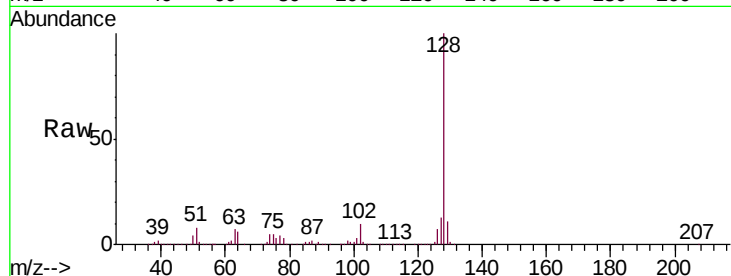




#95
Naphthalene
Concen: 193.261 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1486322
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 159.530 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VX012407.D
Acq: 16 Sep 2019 14:21

Tgt Ion:180 Resp: 425518
Ion Ratio Lower Upper
180 100
182 96.1 46.9 140.8
145 35.8 17.6 52.9

