

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052220\
 Data File : VX016399.D
 Acq On : 22 May 2020 09:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:30:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	236275	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	367731	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	345559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	178565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	134057	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	
35) Dibromofluoromethane	5.46	113	112158	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	8.70	98	433853	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	11.12	95	172005	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	119827	47.914	ug/l	100
3) Chloromethane	1.31	50	126893	43.690	ug/l	99
4) Vinyl Chloride	1.39	62	145067	46.816	ug/l	100
5) Bromomethane	1.62	94	56594	36.227	ug/l	99
6) Chloroethane	1.70	64	86472	45.864	ug/l	99
7) Trichlorofluoromethane	1.91	101	198532	48.802	ug/l	100
8) Diethyl Ether	2.17	74	79488	46.374	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.36	101	114128	48.626	ug/l	97
10) Methyl Iodide	2.49	142	105297	33.400	ug/l	99
11) Tert butyl alcohol	3.02	59	161481	205.389	ug/l	100
12) 1,1-Dichloroethene	2.35	96	115081	46.855	ug/l	100
13) Acrolein	2.27	56	137211	278.890	ug/l	100
14) Allyl chloride	2.70	41	193156	42.891	ug/l	93
15) Acrylonitrile	3.11	53	369495	226.542	ug/l	98
16) Acetone	2.42	43	300939	216.929	ug/l	94
17) Carbon Disulfide	2.54	76	326929	44.301	ug/l	100
18) Methyl Acetate	2.75	43	148625	43.573	ug/l	95
19) Methyl tert-butyl Ether	3.17	73	421035	49.727	ug/l	97
20) Methylene Chloride	2.83	84	133274	46.602	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	132944	48.573	ug/l	98
22) Diisopropyl ether	3.82	45	390222	45.931	ug/l	97
23) Vinyl Acetate	3.78	43	1685460	225.492	ug/l	97
24) 1,1-Dichloroethane	3.67	63	227834	47.939	ug/l	98
25) 2-Butanone	4.63	43	480923	215.135	ug/l	95
26) 2,2-Dichloropropane	4.54	77	211218	48.664	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	149770	50.053	ug/l	96
28) Bromochloromethane	4.98	49	90708	41.857	ug/l	90
29) Tetrahydrofuran	5.08	42	316625	213.761	ug/l	93
30) Chloroform	5.17	83	235274	49.720	ug/l	100
31) Cyclohexane	5.54	56	199891	46.279	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	212230	49.341	ug/l	97
36) 1,1-Dichloropropene	5.76	75	180934	49.985	ug/l	99
37) Ethyl Acetate	4.79	43	183887	43.830	ug/l	96
38) Carbon Tetrachloride	5.75	117	192937	52.439	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	201268	46.171	ug/l	97
40) Benzene	6.11	78	547950	51.736	ug/l	99
41) Methacrylonitrile	5.00	41	100242	44.242	ug/l	95
42) 1,2-Dichloroethane	6.16	62	182771	47.904	ug/l	97
43) Isopropyl Acetate	6.41	43	298065	44.527	ug/l	95
44) Trichloroethene	7.18	130	181418	48.215	ug/l	95
45) 1,2-Dichloropropane	7.49	63	135191	50.445	ug/l	98
46) Dibromomethane	7.63	93	92897	51.008	ug/l	98
47) Bromodichloromethane	7.87	83	192926	52.013	ug/l	98
48) Methyl methacrylate	7.74	41	142133	44.810	ug/l	91
49) 1,4-Dioxane	7.71	88	70717	929.590	ug/l	94
51) 4-Methyl-2-Pentanone	8.62	43	940461	229.586	ug/l	95
52) Toluene	8.76	92	353832	53.597	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	225526	50.995	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	239829	51.918	ug/l	92
55) 1,1,2-Trichloroethane	9.20	97	139196	53.591	ug/l	98
56) Ethyl methacrylate	9.16	69	223628	52.746	ug/l	90
57) 1,3-Dichloropropane	9.35	76	235843	52.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	561245	248.655	ug/l	97
59) 2-Hexanone	9.48	43	749720	233.054	ug/l	94
60) Dibromochloromethane	9.57	129	161005	56.283	ug/l	99
61) 1,2-Dibromoethane	9.65	107	149158	53.017	ug/l	99
64) Tetrachloroethene	9.32	164	210676	49.662	ug/l	98
65) Chlorobenzene	10.12	112	384063	53.080	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	142788	53.391	ug/l	99
67) Ethyl Benzene	10.24	91	677707	52.494	ug/l	99
68) m/p-Xylenes	10.34	106	521862	107.891	ug/l	100
69) o-Xylene	10.68	106	250355	53.846	ug/l	98
70) Styrene	10.70	104	439691	55.743	ug/l	98
71) Bromoform	10.84	173	123103	56.499	ug/l #	98
73) Isopropylbenzene	11.00	105	664261	51.145	ug/l	99
74) N-amyl acetate	10.88	43	265348	43.801	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	150099	57.702	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	267975	66.133	ug/l	83
77) Bromobenzene	11.24	156	167925	50.092	ug/l	99
78) n-propylbenzene	11.34	91	747476	49.471	ug/l	98
79) 2-Chlorotoluene	11.40	91	452923	50.784	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	568907	51.879	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	83647	49.194	ug/l	90
82) 4-Chlorotoluene	11.49	91	535983	50.892	ug/l	99
83) tert-Butylbenzene	11.76	119	474471	50.206	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	569682	51.385	ug/l	99
85) sec-Butylbenzene	11.93	105	598871	46.934	ug/l	99
86) p-Isopropyltoluene	12.05	119	572110	48.292	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	305205	50.704	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	308350	50.471	ug/l	100
89) n-Butylbenzene	12.37	91	480432	44.391	ug/l	100
90) Hexachloroethane	12.58	117	95789	47.080	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	291262	50.252	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	48869	45.760	ug/l	95

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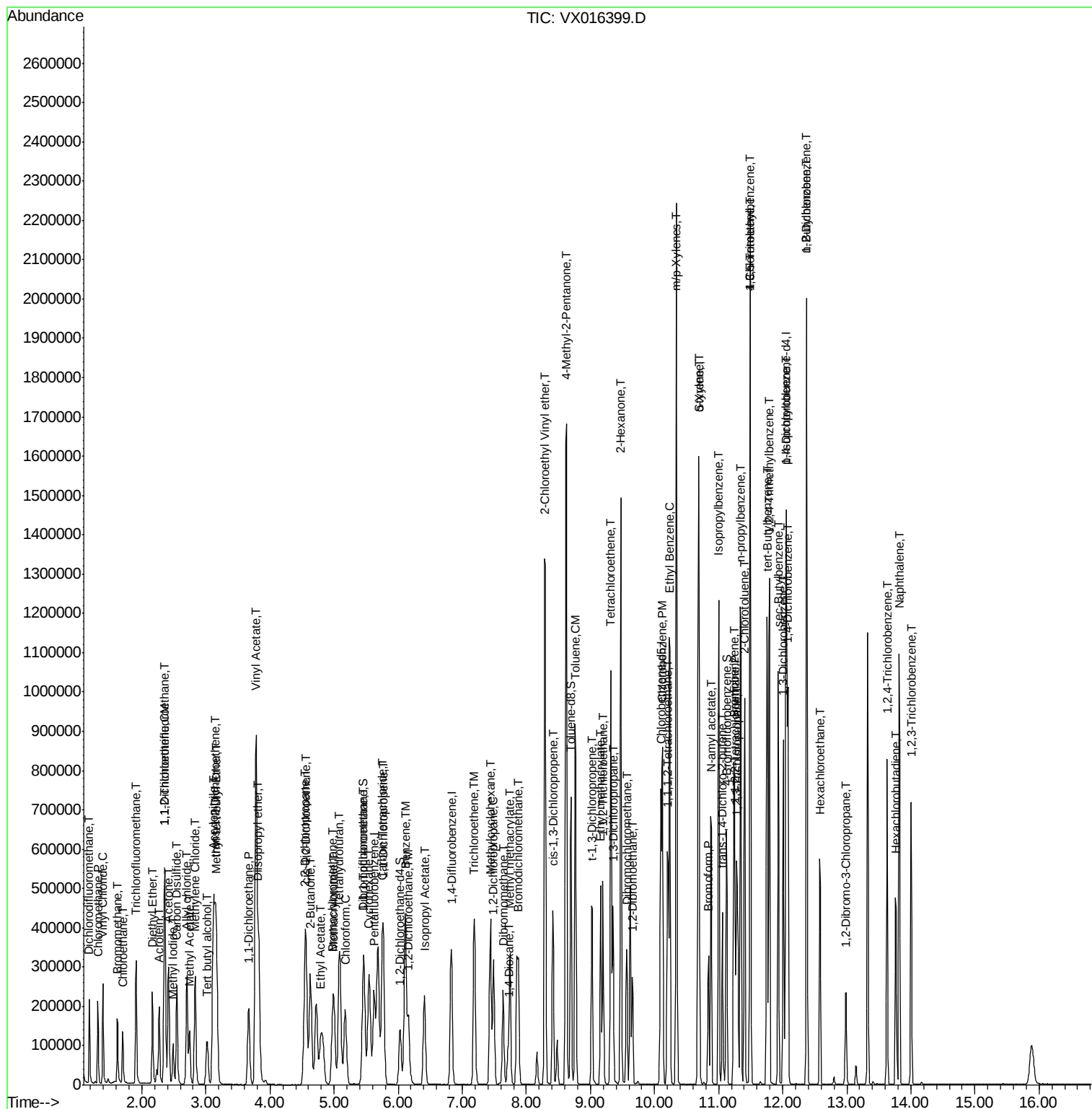
Instrument :
MSVOA_X
ClientSampleId :

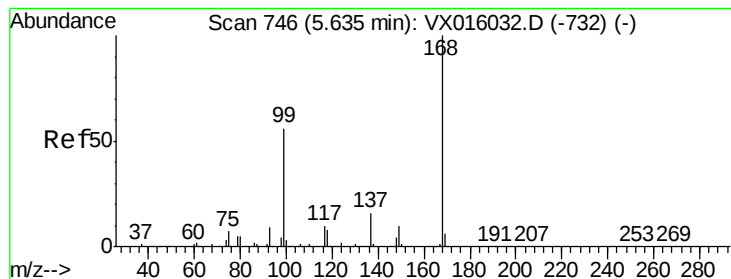
Quant Time: May 23 01:30:34 2020
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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	197076	45.926	ug/l	96
94) Hexachlorobutadiene	13.77	225	74093	40.203	ug/l	97
95) Naphthalene	13.82	128	663154	47.727	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	191015	45.548	ug/l	98

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

Quant Time: May 23 01:30:34 2020
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

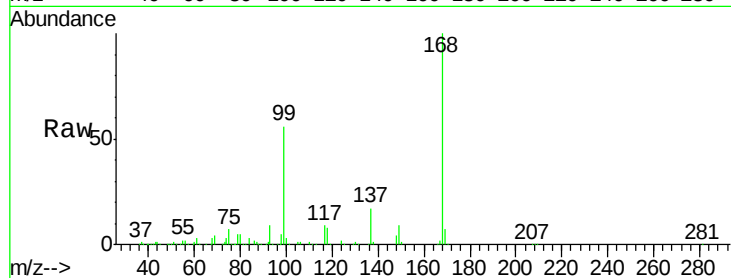
ClientSampleId :

Tot Ion:168 Resp: 236275

Ion Ratio Lower Upper

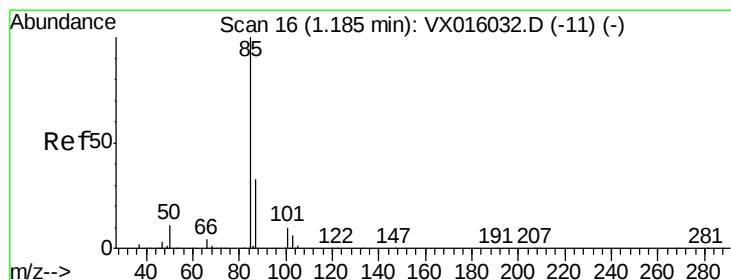
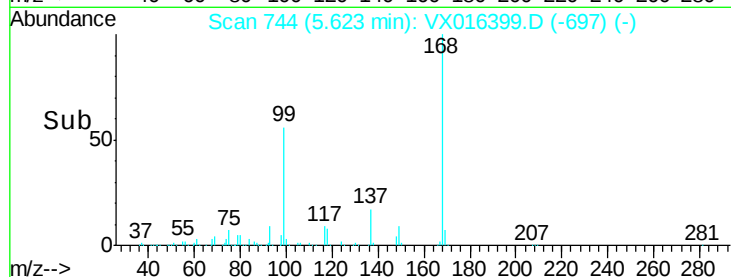
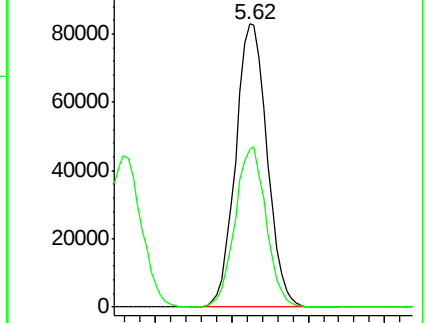
168 100

99 55.8 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.914 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX016399.D

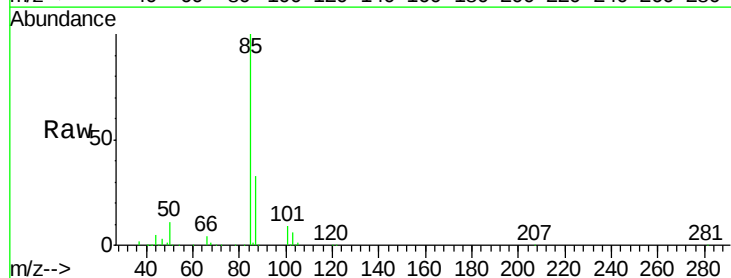
Acq: 22 May 2020 09:53

Tgt Ion: 85 Resp: 119827

Ion Ratio Lower Upper

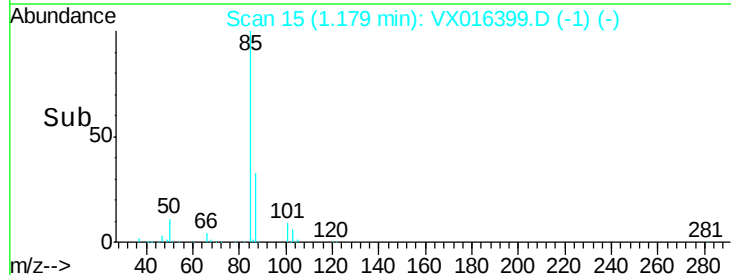
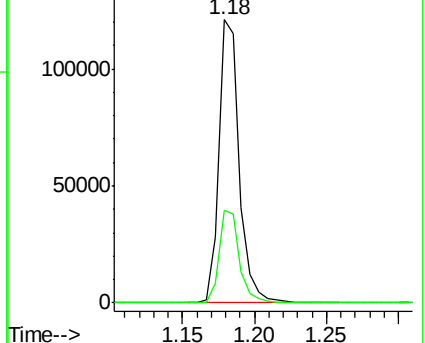
85 100

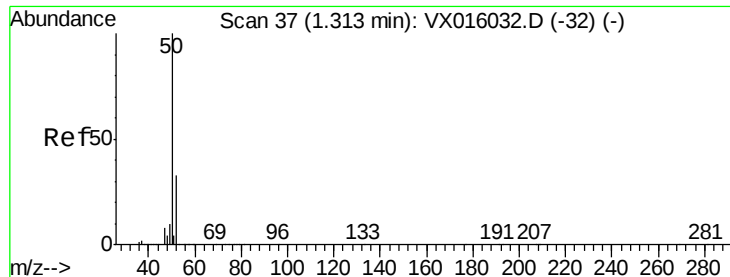
87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.690 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

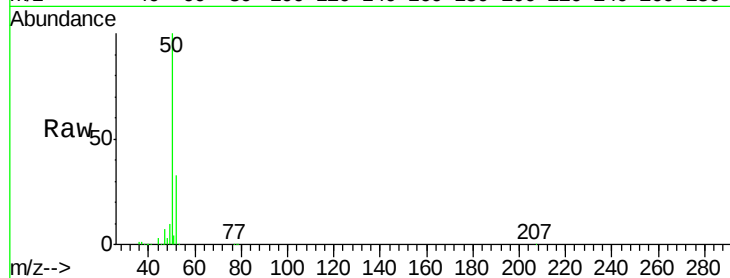
ClientSampled :

Tot Ion: 50 Resp: 126893

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

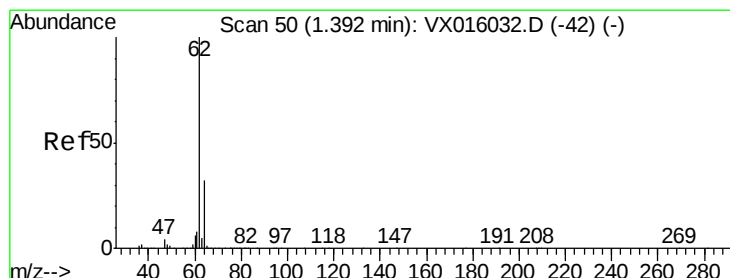
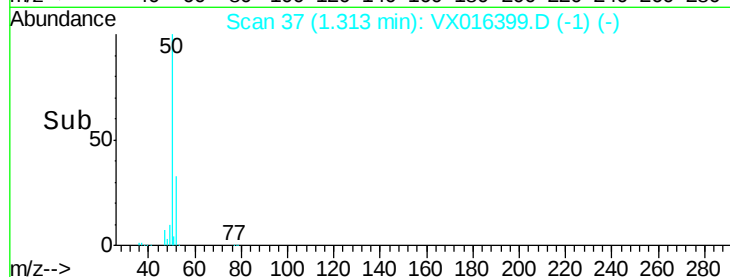
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.816 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016399.D

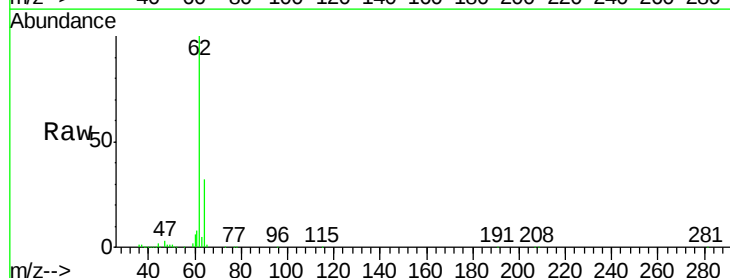
Acq: 22 May 2020 09:53

Tgt Ion: 62 Resp: 145067

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

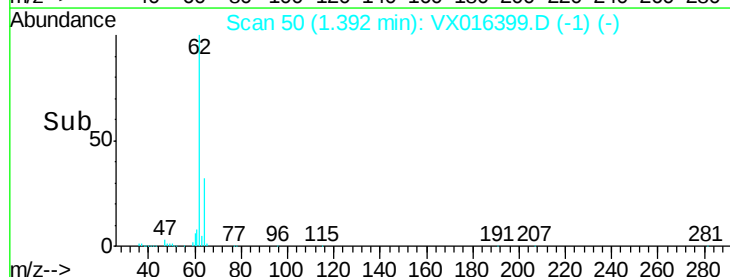
150000

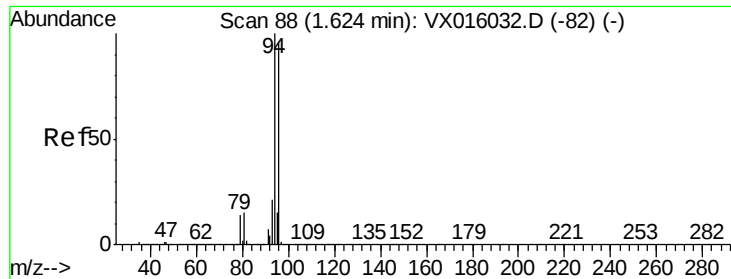
100000

50000

0

Time-->





#5

Bromomethane

Concen: 36.227 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

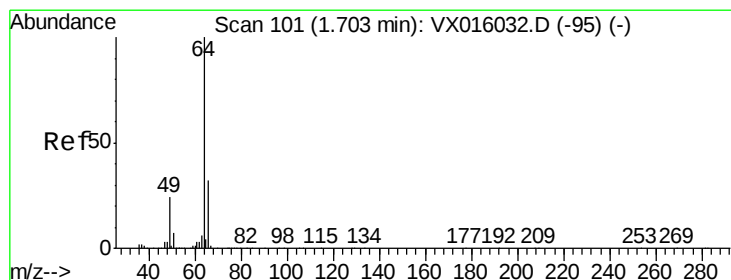
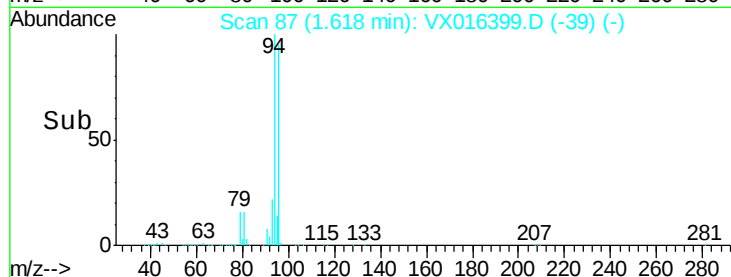
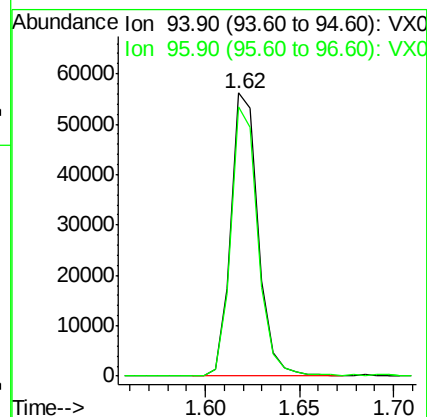
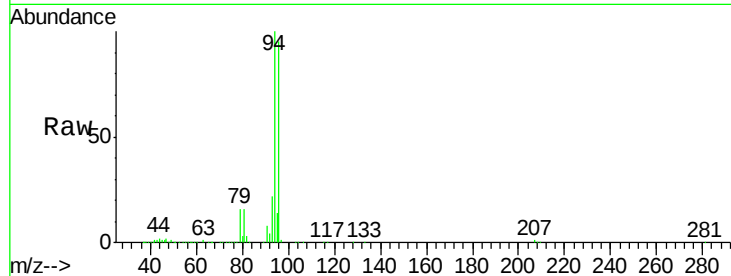
ClientSampled :

Tot Ion: 94 Resp: 56594

Ion Ratio Lower Upper

94 100

96 95.0 76.9 115.3



#6

Chloroethane

Concen: 45.864 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016399.D

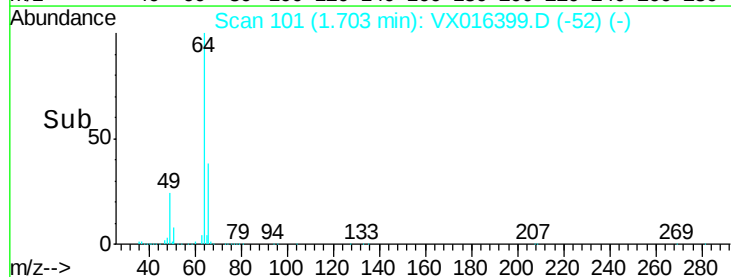
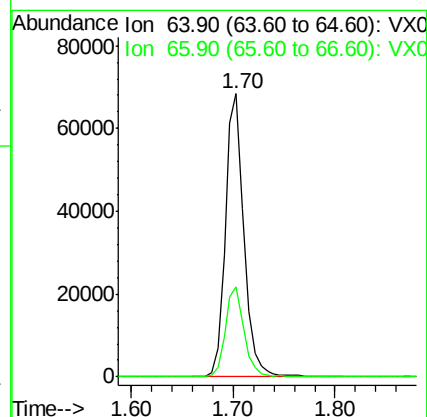
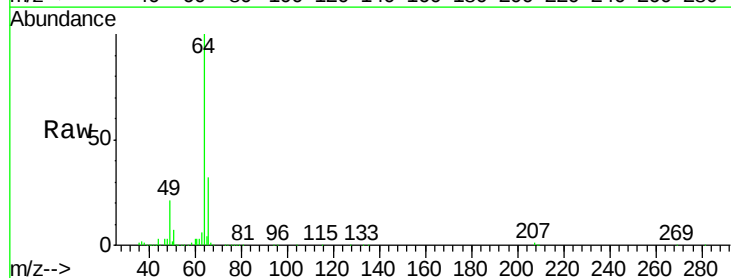
Acq: 22 May 2020 09:53

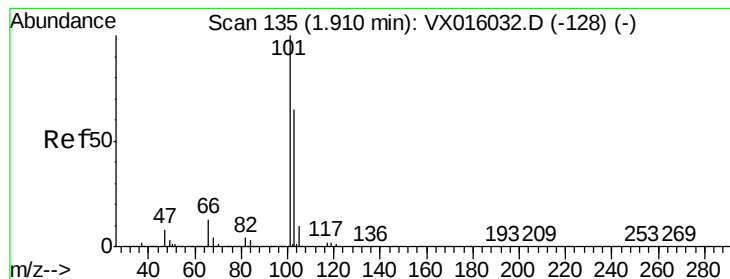
Tgt Ion: 64 Resp: 86472

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8



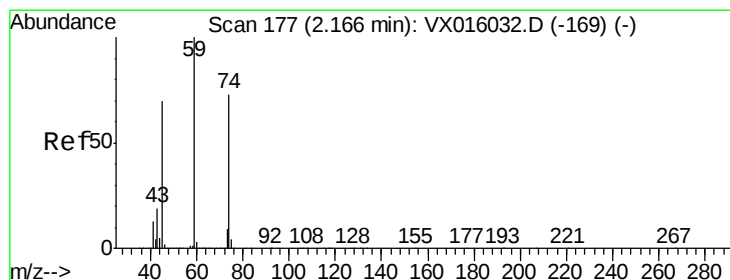
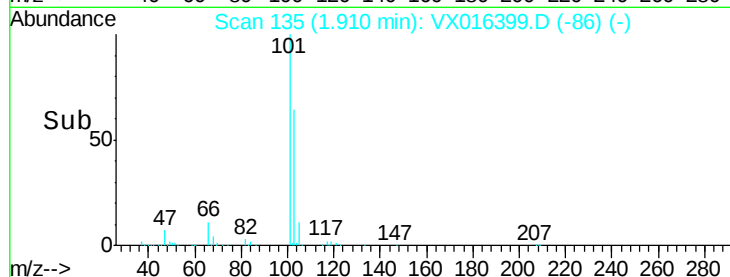
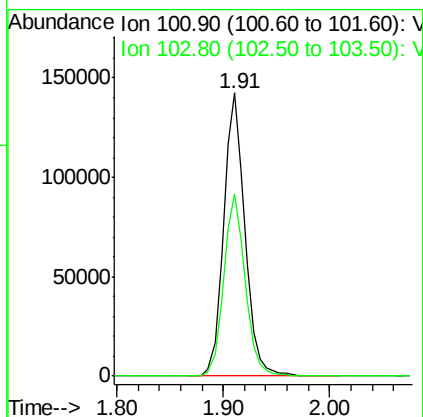
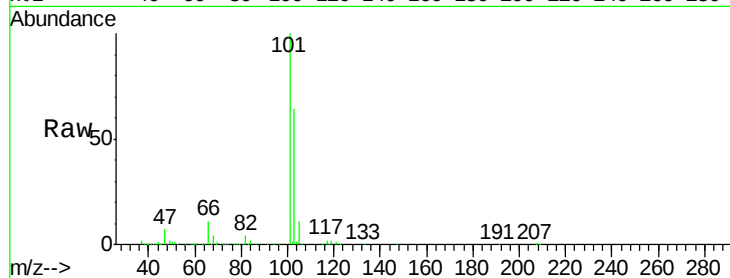


#7

Trichlorofluoromethane
Concen: 48.802 ug/l
RT: 1.91 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :

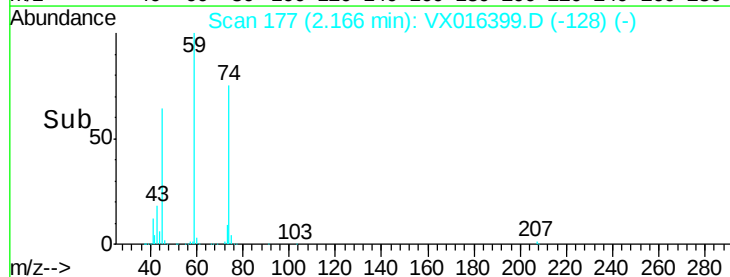
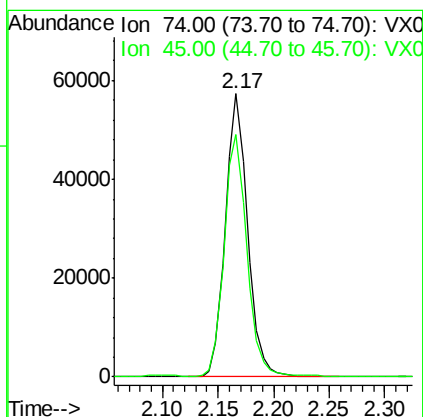
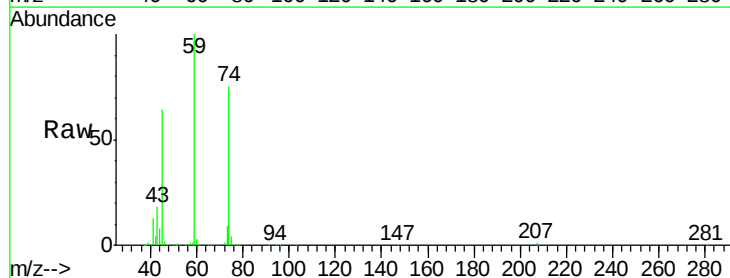
Tot Ion:101 Resp: 198532
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.6

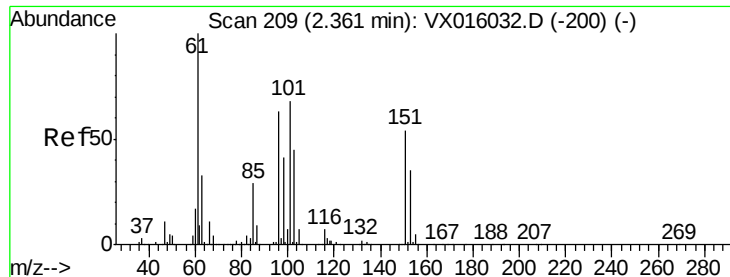


#8

Diethyl Ether
Concen: 46.374 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion: 74 Resp: 79488
Ion Ratio Lower Upper
74 100
45 86.8 47.3 142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.626 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016399.D

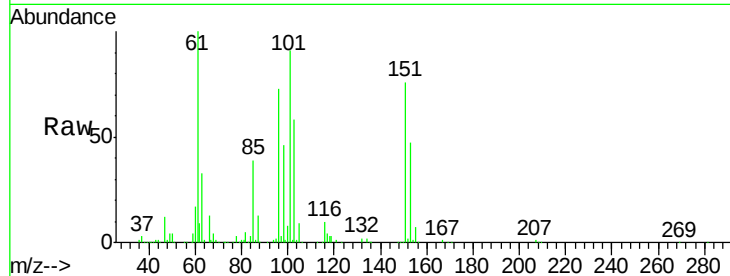
Acq: 22 May 2020 09:53

Instrument :

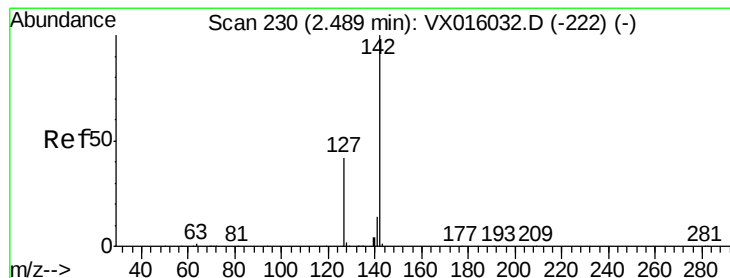
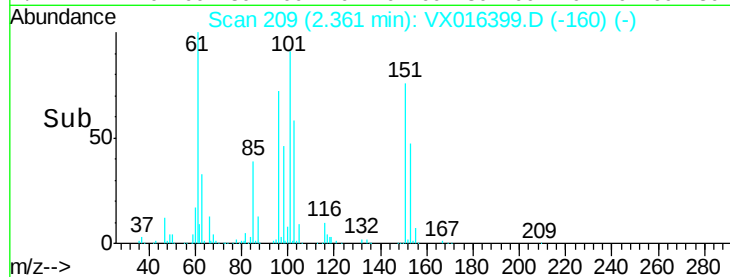
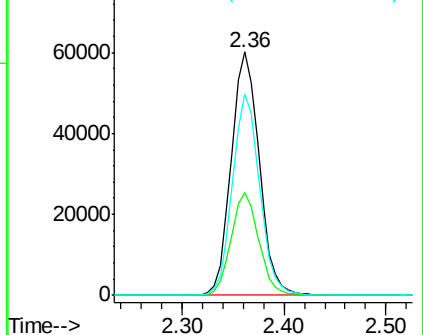
MSVOA_X

ClientSampleId :

Tot Ion:	101	Resp:	114128
Ion	Ratio	Lower	Upper
101	100		
85	41.6	34.2	51.4
151	80.5	62.1	93.1



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: 33.400 ug/l

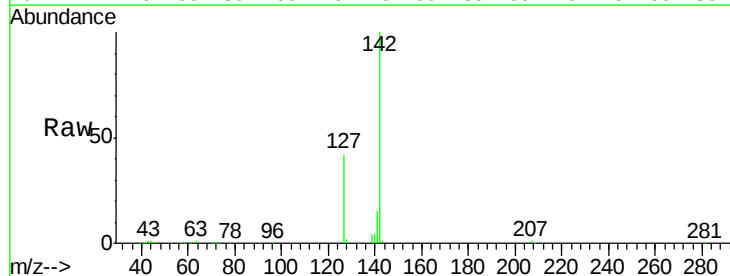
RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

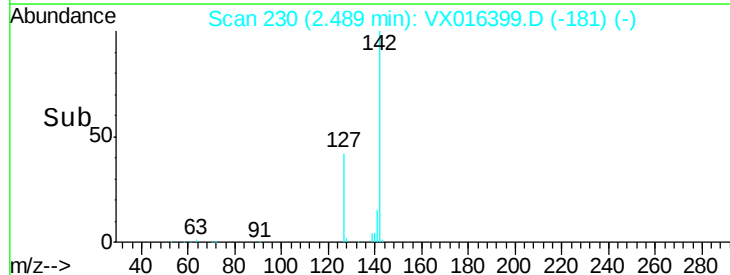
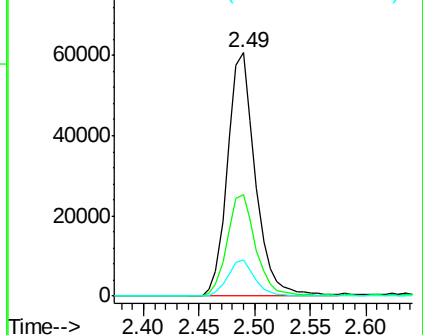
Lab File: VX016399.D

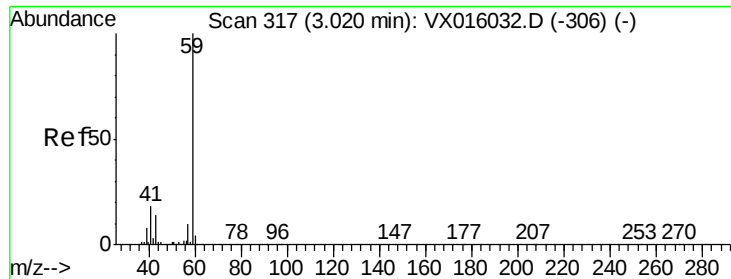
Acq: 22 May 2020 09:53

Tgt Ion:	142	Resp:	105297
Ion	Ratio	Lower	Upper
142	100		
127	42.8	34.6	52.0
141	14.6	11.3	16.9



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

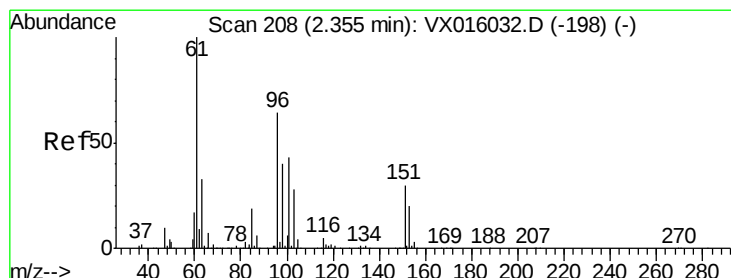
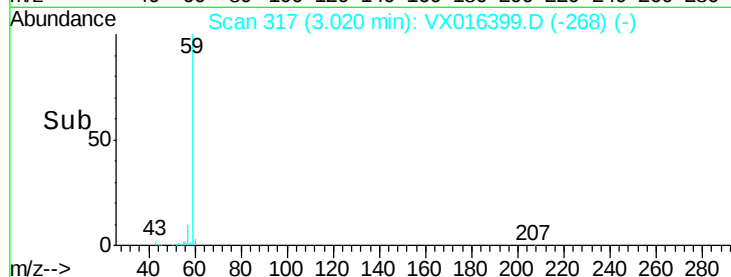
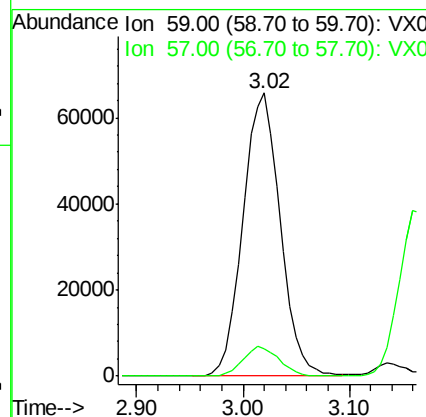
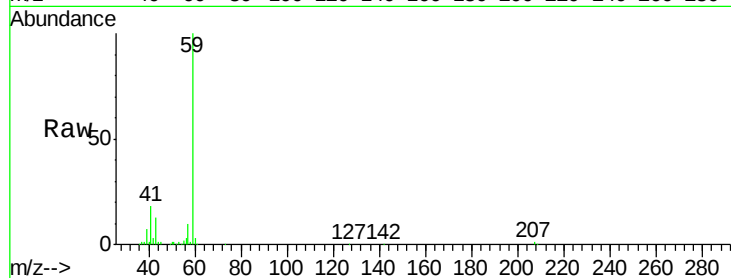




#11
Tert butyl alcohol
Concen: 205.389 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

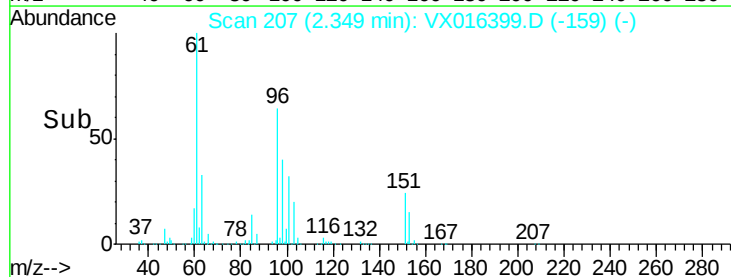
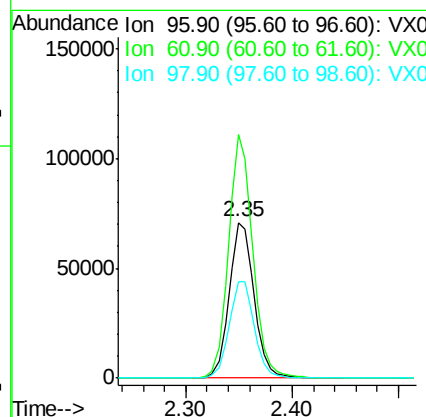
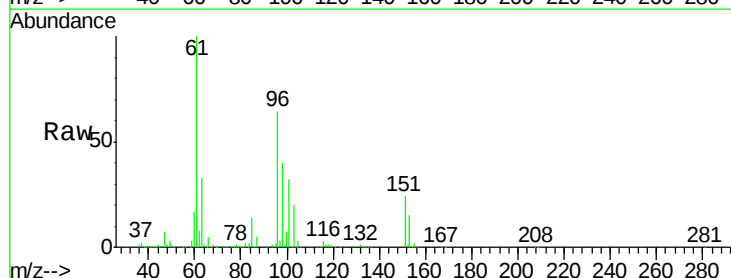
Instrument :
MSVOA_X
ClientSampleId :

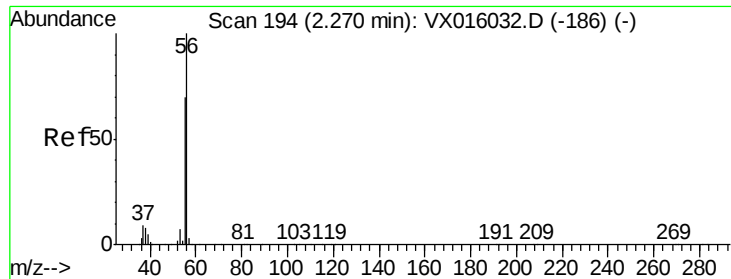
Tot Ion: 59 Resp: 161481
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4



#12
1,1-Dichloroethene
Concen: 46.855 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion: 96 Resp: 115081
Ion Ratio Lower Upper
96 100
61 156.7 124.8 187.2
98 62.2 49.7 74.5

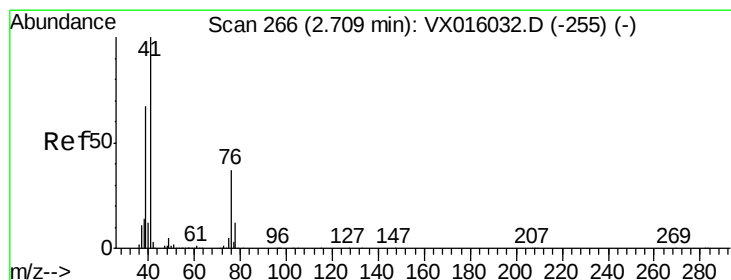
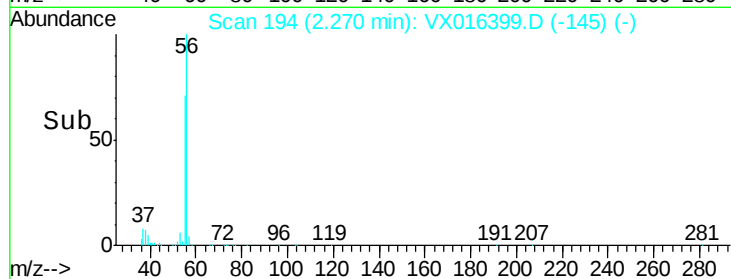
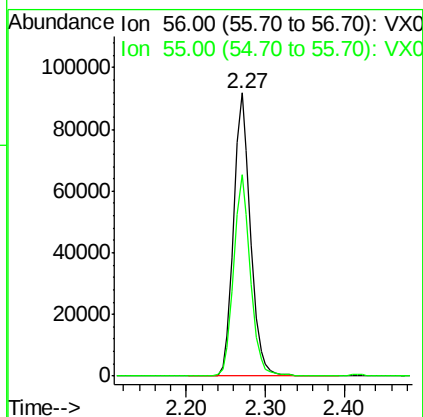
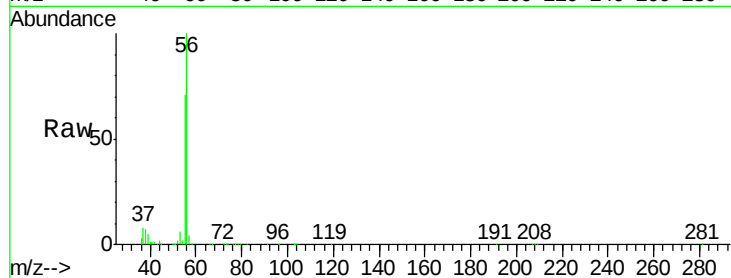




#13
Acrolein
Concen: 278.890 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

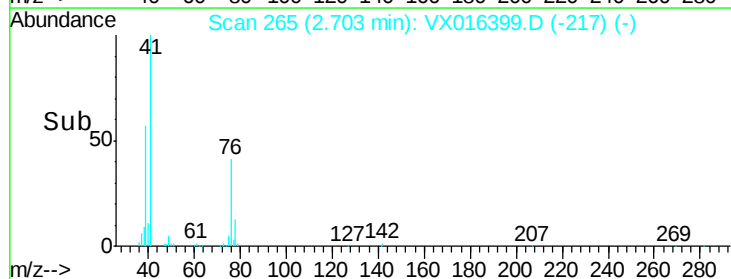
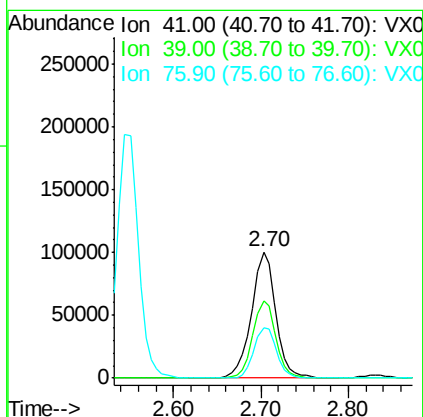
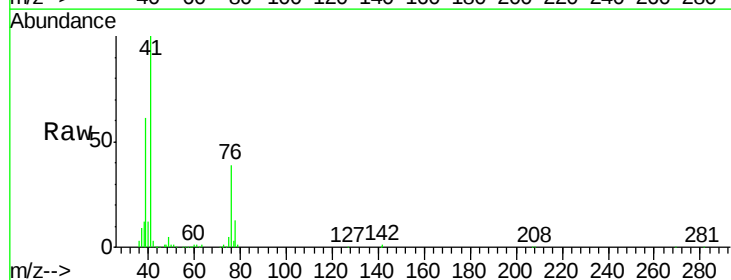
Instrument :
MSVOA_X
ClientSampleId :

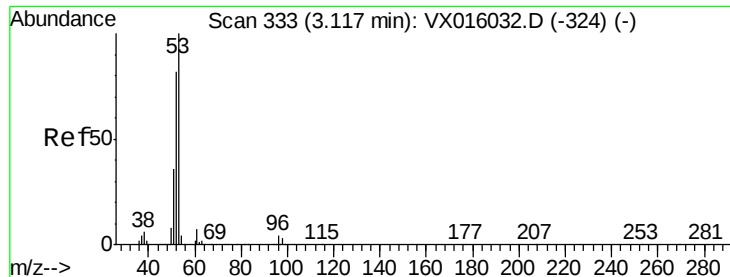
Tot Ion: 56 Resp: 137211
Ion Ratio Lower Upper
56 100
55 70.4 56.5 84.7



#14
Allyl chloride
Concen: 42.891 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion: 41 Resp: 193156
Ion Ratio Lower Upper
41 100
39 58.3 50.5 75.7
76 37.7 26.6 40.0





#15

Acrylonitrile

Concen: 226.542 ug/l

RT: 3.11 min Scan# 332

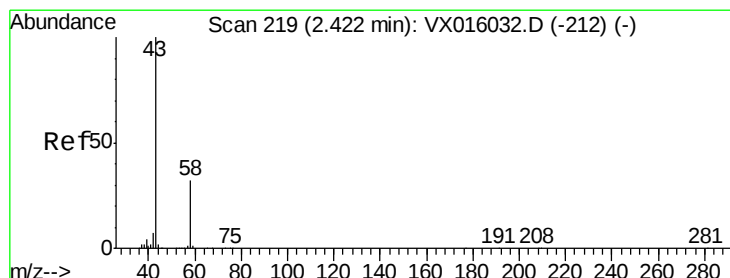
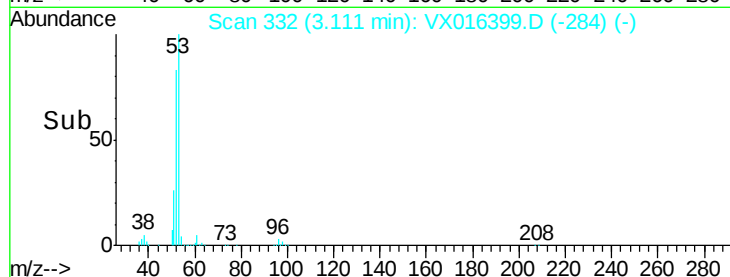
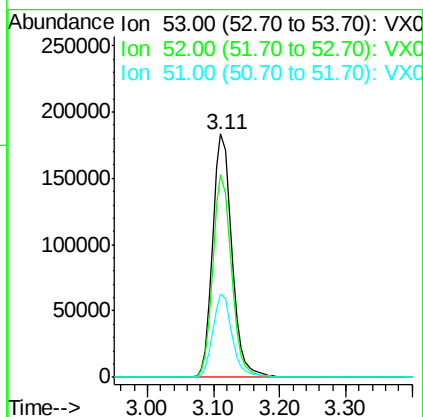
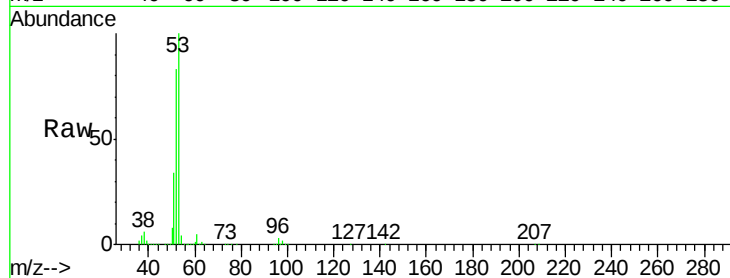
Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	369495
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.1	99.1
51	34.1	28.8	43.2



#16

Acetone

Concen: 216.929 ug/l

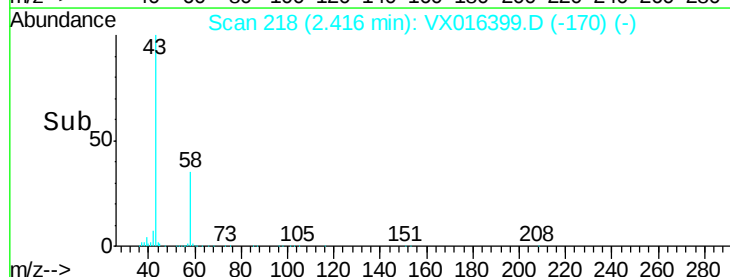
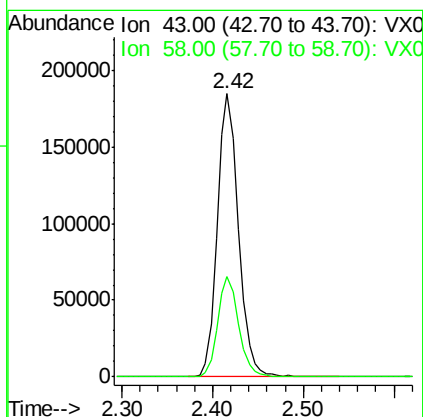
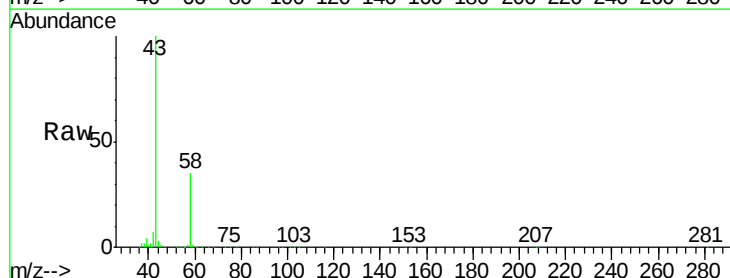
RT: 2.42 min Scan# 218

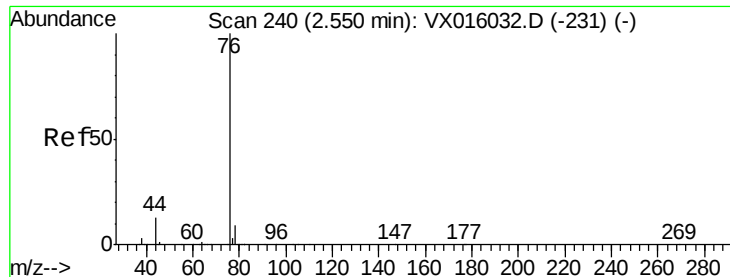
Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Tgt Ion:	43	Resp:	300939
Ion	Ratio	Lower	Upper
43	100		
58	35.3	25.4	38.0





#17

Carbon Disulfide

Concen: 44.301 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

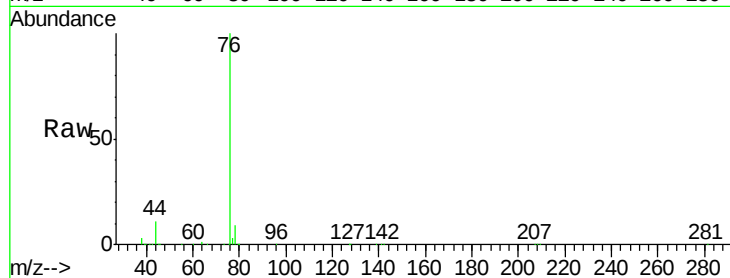
ClientSampleId :

Tot Ion: 76 Resp: 326929

Ion Ratio Lower Upper

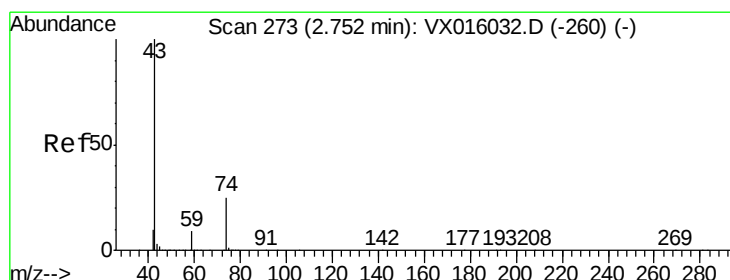
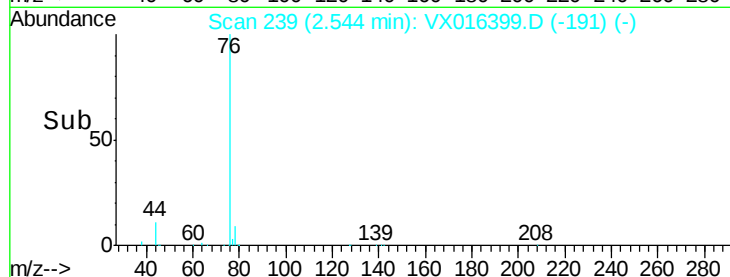
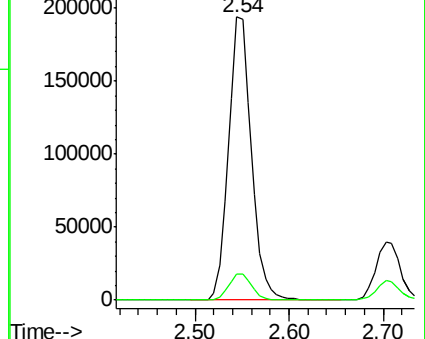
76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 43.573 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016399.D

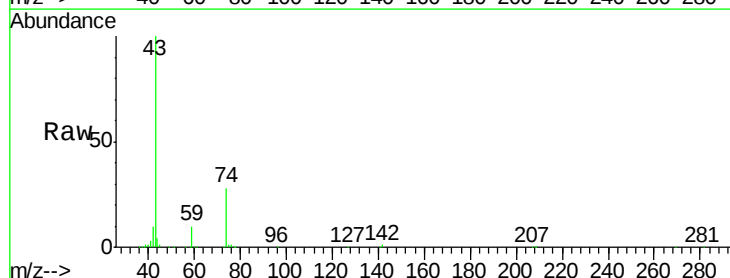
Acq: 22 May 2020 09:53

Tgt Ion: 43 Resp: 148625

Ion Ratio Lower Upper

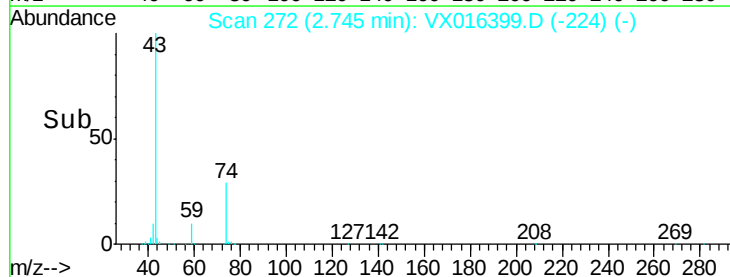
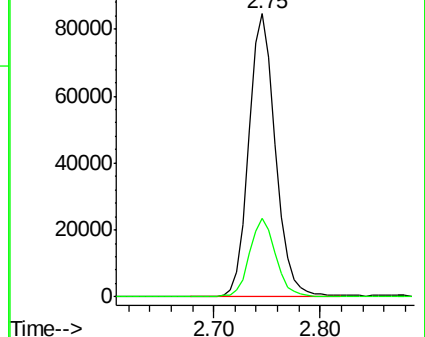
43 100

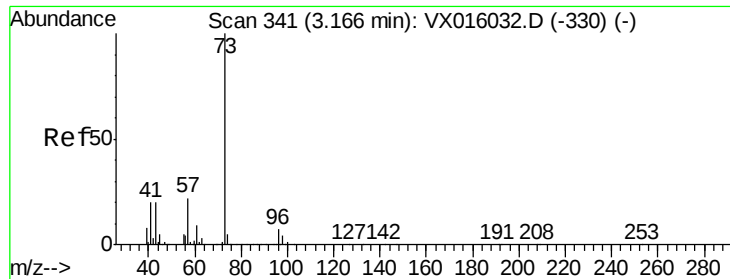
74 27.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



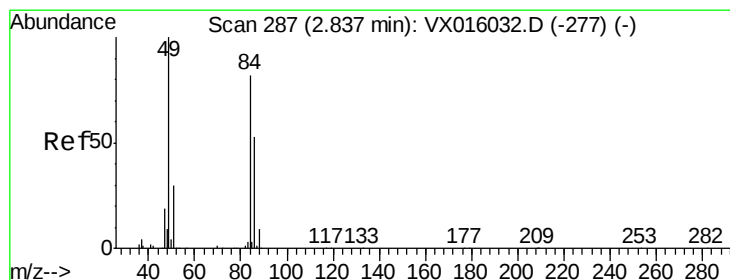
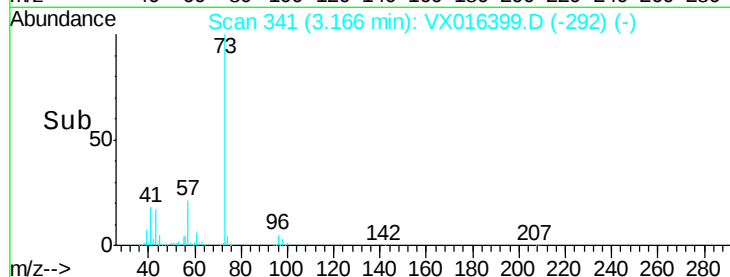
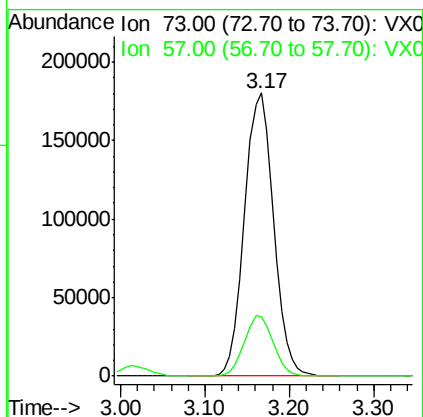
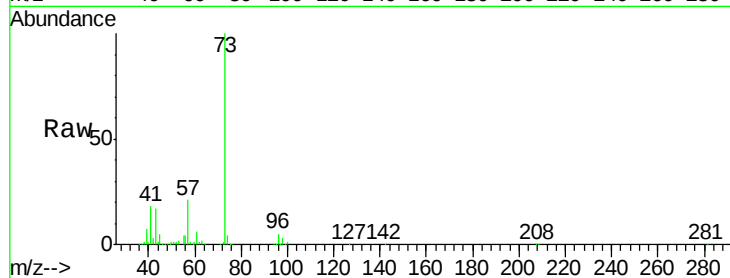


#19

Methyl tert-butyl Ether
 Concen: 49.727 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

Instrument :
 MSVOA_X
 ClientSampleId :

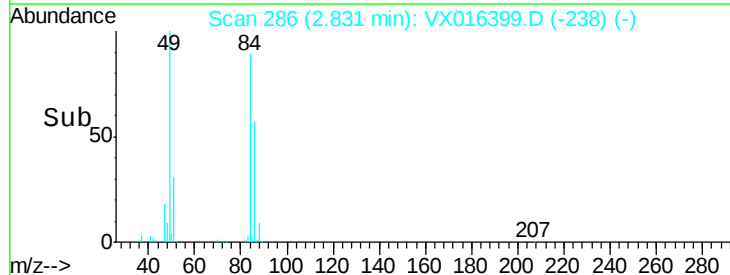
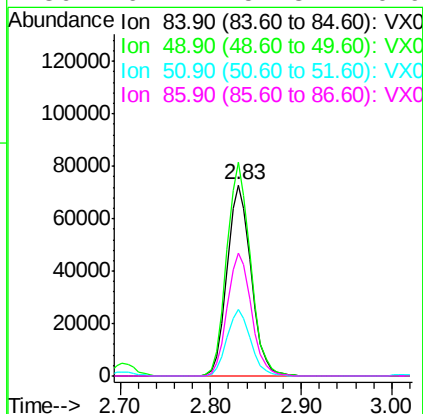
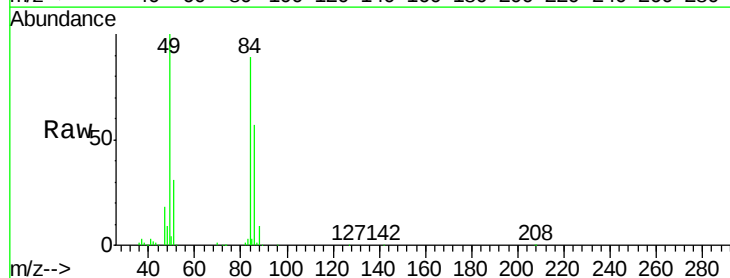
Tot Ion: 73 Resp: 421035
 Ion Ratio Lower Upper
 73 100
 57 20.8 17.8 26.6

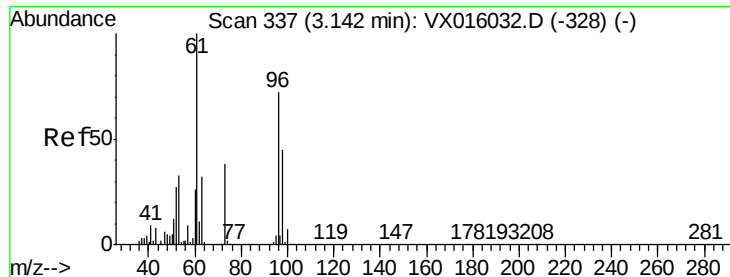


#20

Methylene Chloride
 Concen: 46.602 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

Tgt Ion: 84 Resp: 133274
 Ion Ratio Lower Upper
 84 100
 49 111.9 97.3 145.9
 51 35.2 29.3 43.9
 86 64.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.573 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

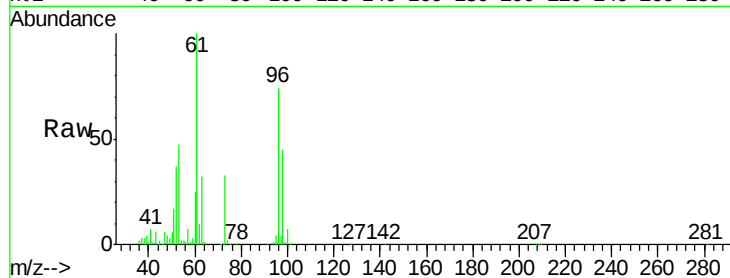
Tot Ion: 96 Resp: 132944

Ion Ratio Lower Upper

96 100

61 135.7 111.2 166.8

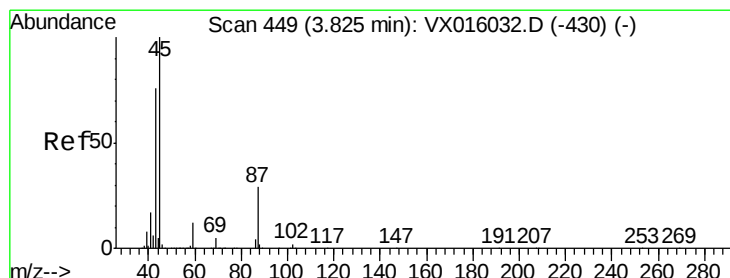
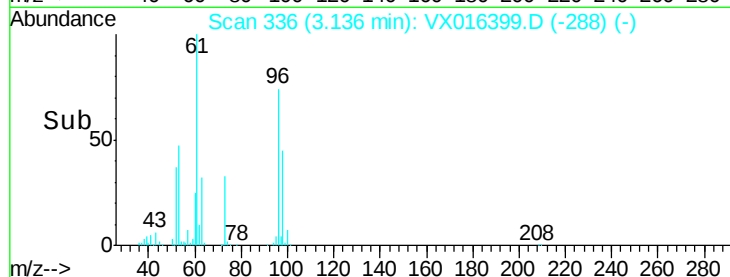
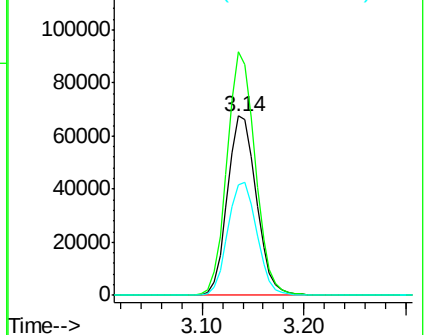
98 61.7 50.2 75.4



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: 45.931 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Tgt Ion: 45 Resp: 390222

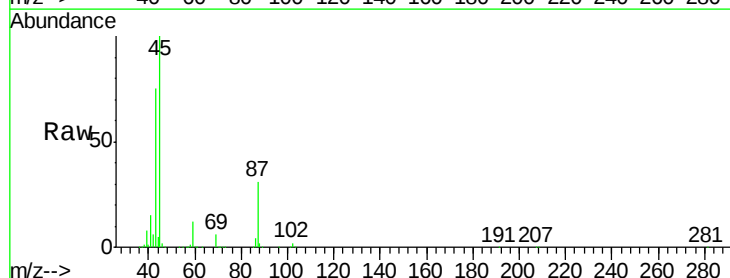
Ion Ratio Lower Upper

45 100

43 74.5 61.1 91.7

87 31.3 23.0 34.6

59 11.9 9.8 14.6

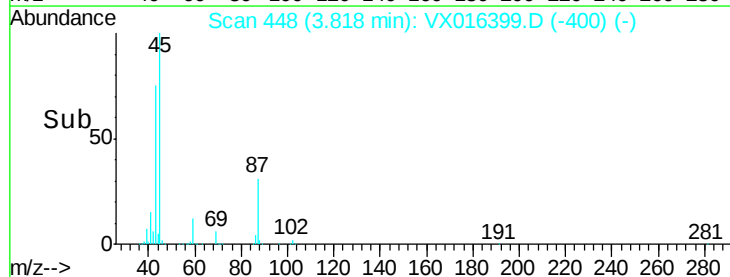
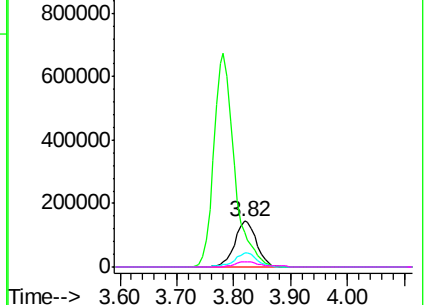


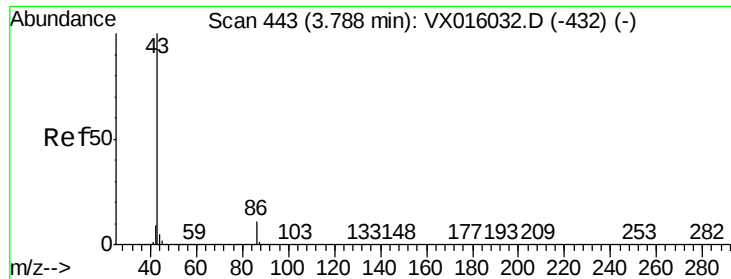
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 225.492 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

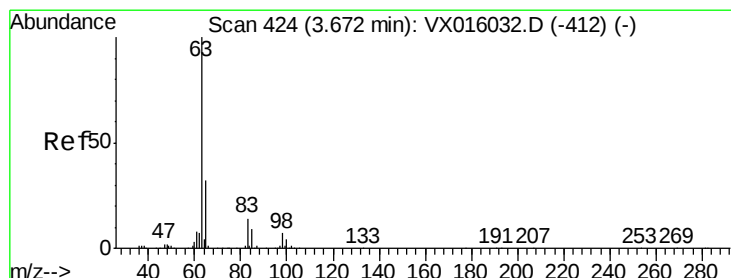
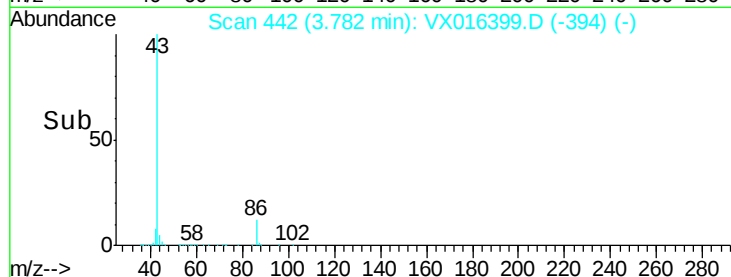
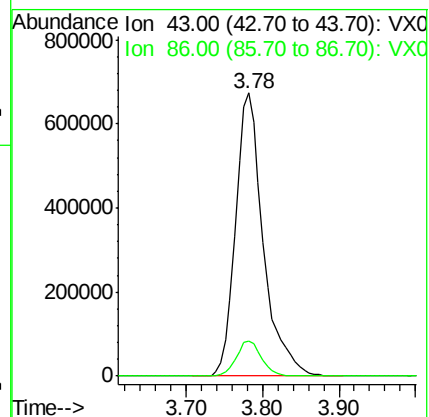
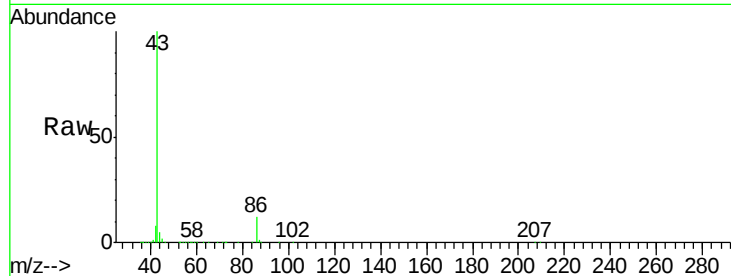
ClientSampleId :

Tot Ion: 43 Resp: 1685460

Ion Ratio Lower Upper

43 100

86 12.5 9.0 13.4



#24

1,1-Dichloroethane

Concen: 47.939 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

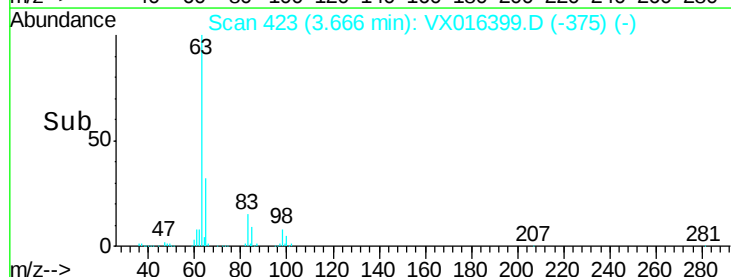
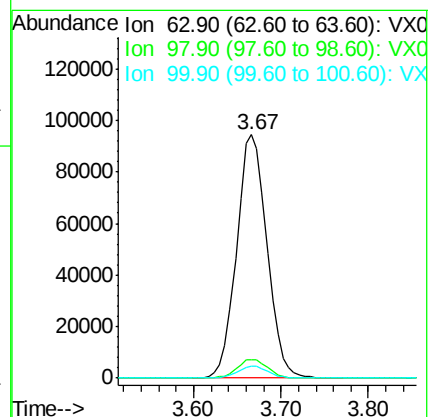
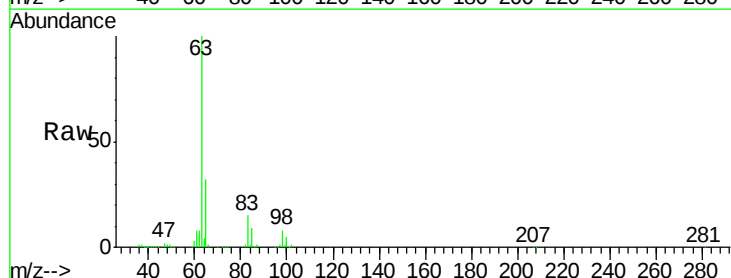
Tgt Ion: 63 Resp: 227834

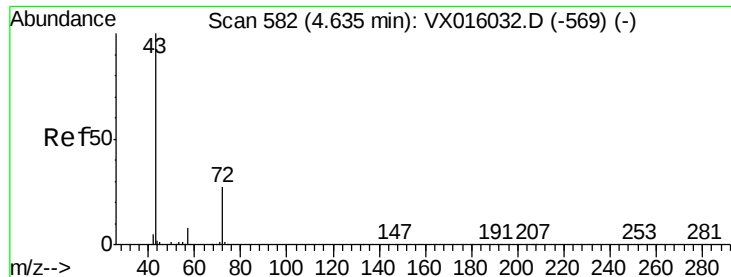
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 215.135 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

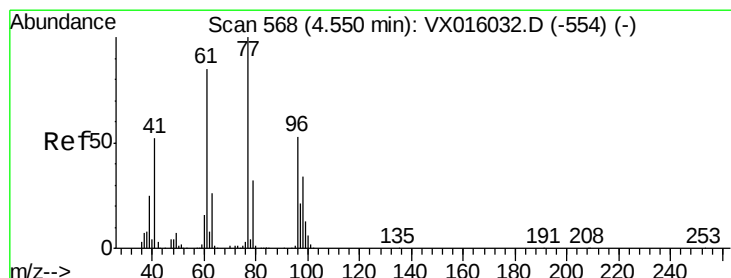
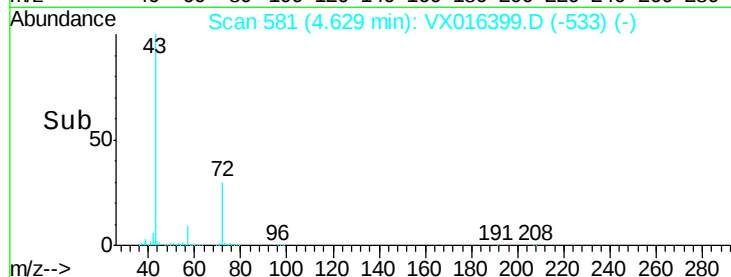
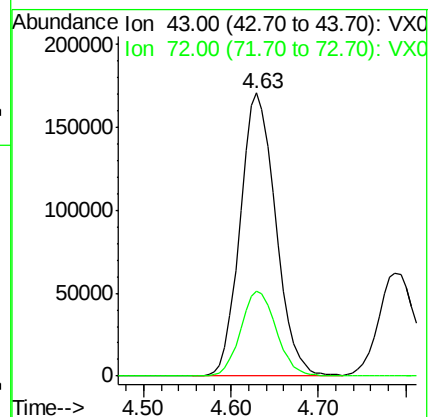
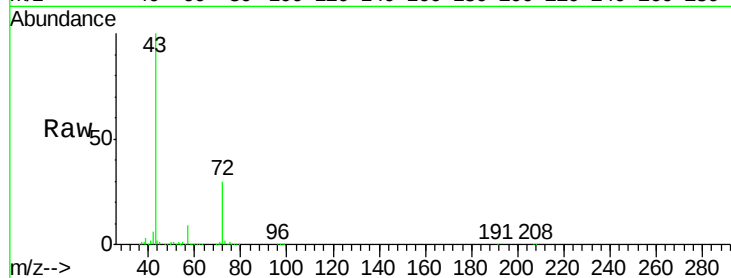
ClientSampleId :

Tot Ion: 43 Resp: 480923

Ion Ratio Lower Upper

43 100

72 29.9 21.8 32.8



#26

2,2-Dichloropropane

Concen: 48.664 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX016399.D

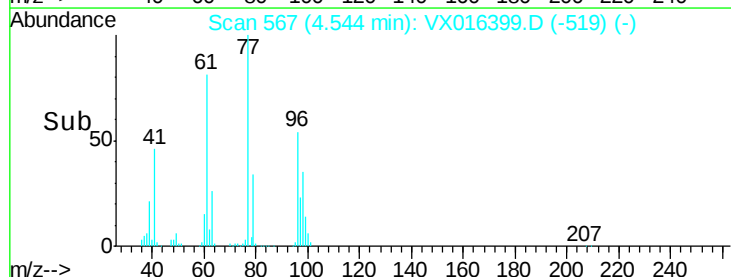
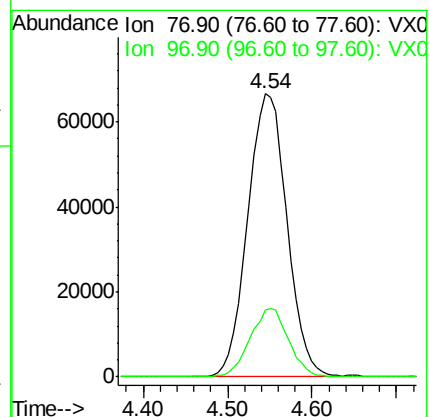
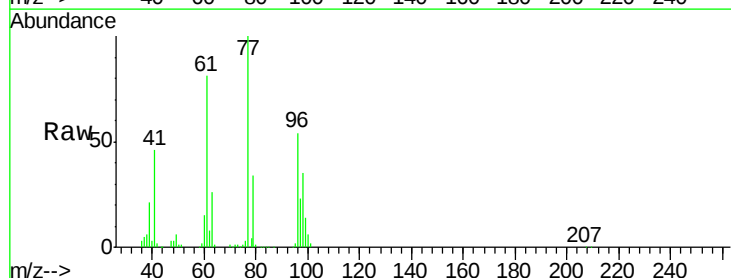
Acq: 22 May 2020 09:53

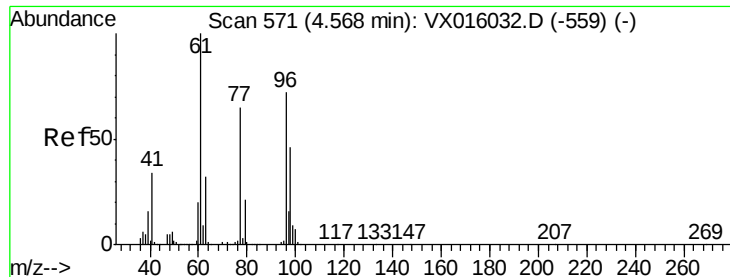
Tgt Ion: 77 Resp: 211218

Ion Ratio Lower Upper

77 100

97 23.6 11.2 33.6



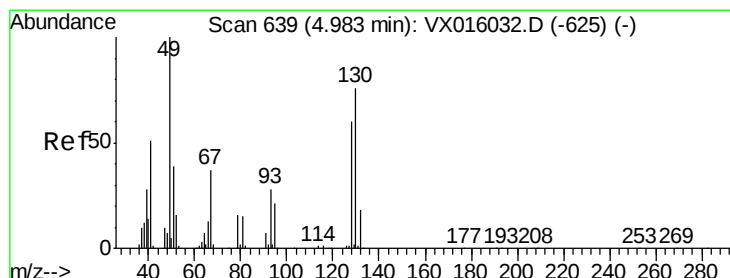
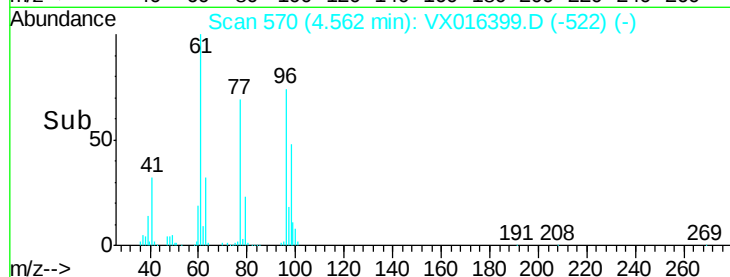
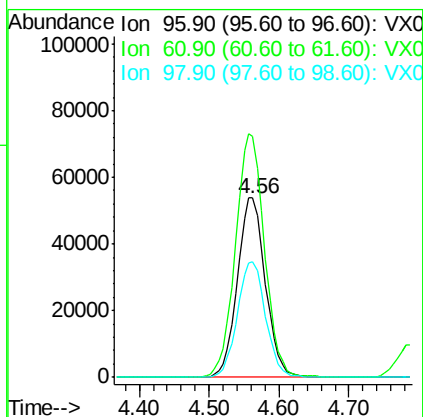
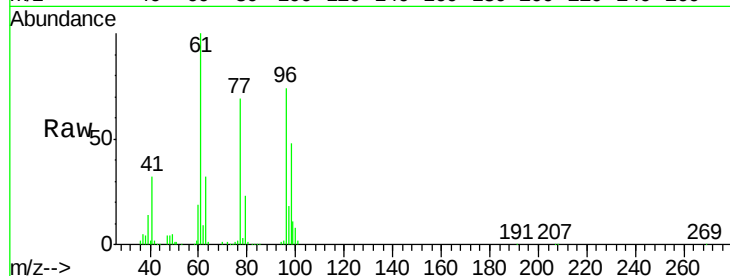


#27

cis-1,2-Dichloroethene
Concen: 50.053 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :

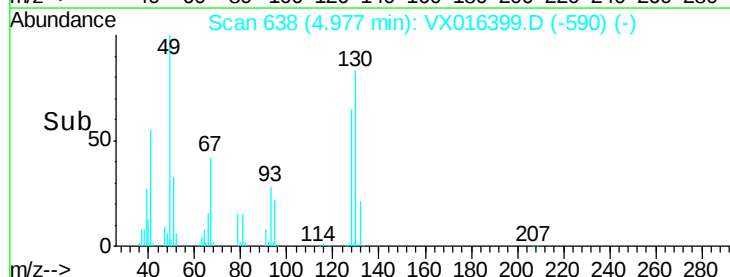
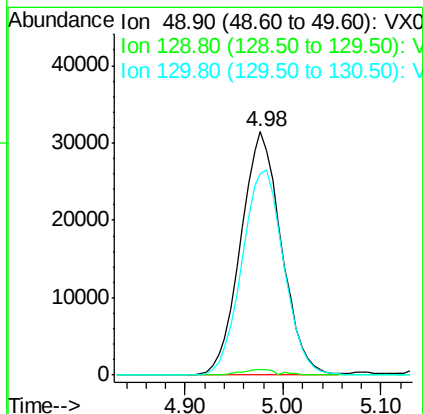
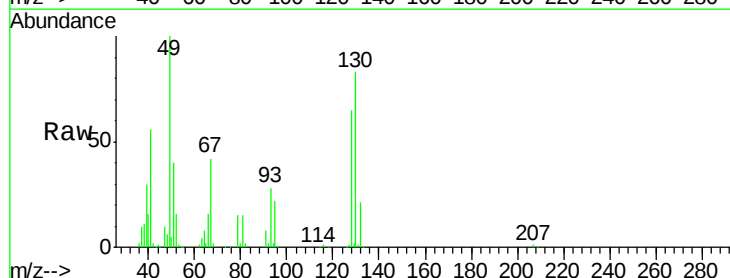
Tot Ion: 96 Resp: 149770
Ion Ratio Lower Upper
96 100
61 140.4 0.0 296.2
98 64.7 0.0 129.4

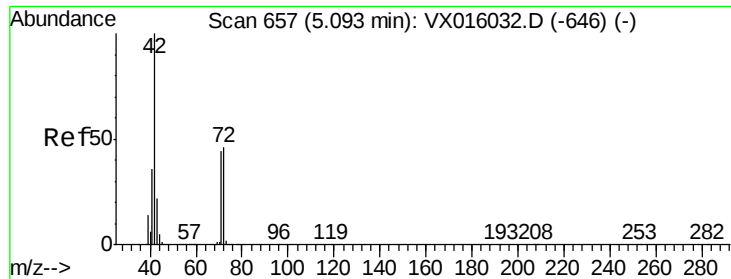


#28

Bromochloromethane
Concen: 41.857 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion: 49 Resp: 90708
Ion Ratio Lower Upper
49 100
129 1.7 0.0 4.0
130 87.0 62.4 93.6





#29

Tetrahydrofuran

Concen: 213.761 ug/l

RT: 5.08 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

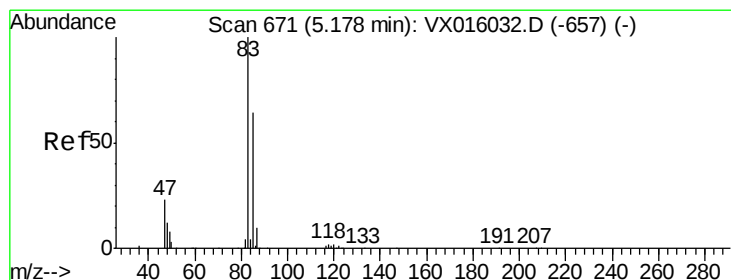
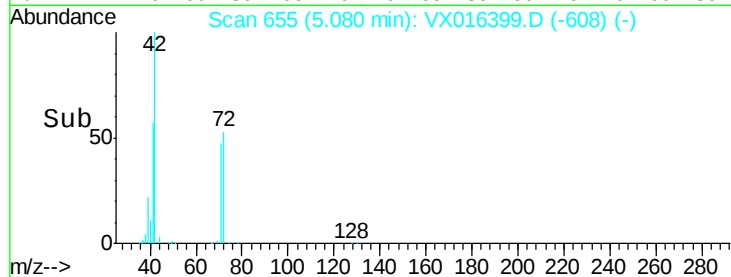
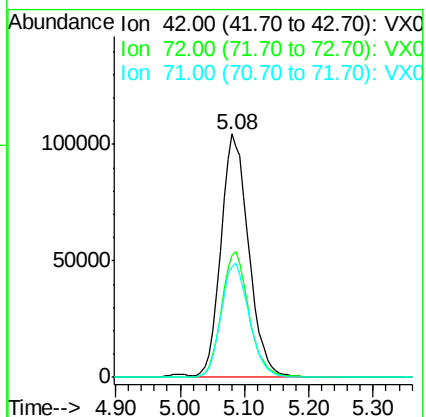
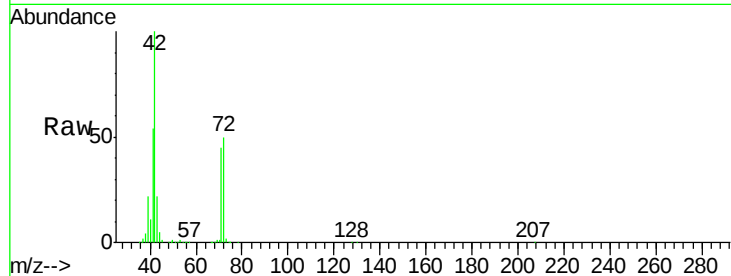
Tot Ion: 42 Resp: 316625

Ion Ratio Lower Upper

42 100

72 51.3 37.1 55.7

71 47.4 34.5 51.7



#30

Chloroform

Concen: 49.720 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX016399.D

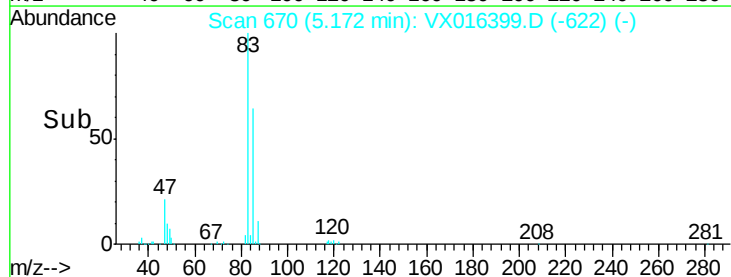
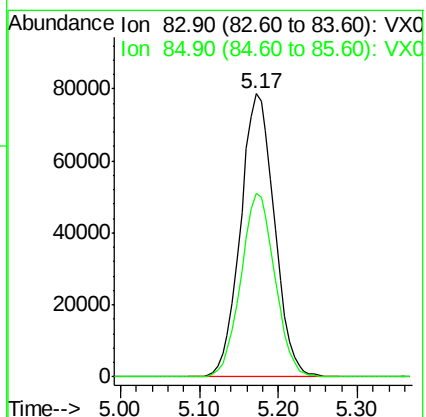
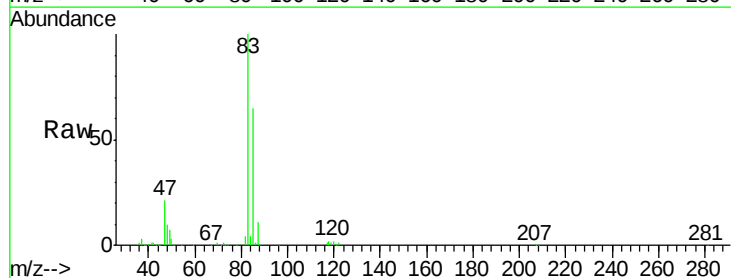
Acq: 22 May 2020 09:53

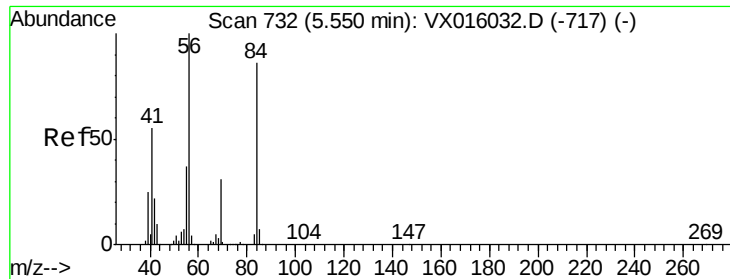
Tgt Ion: 83 Resp: 235274

Ion Ratio Lower Upper

83 100

85 64.7 51.6 77.4

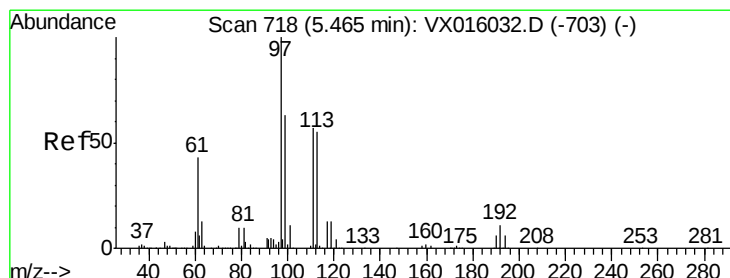
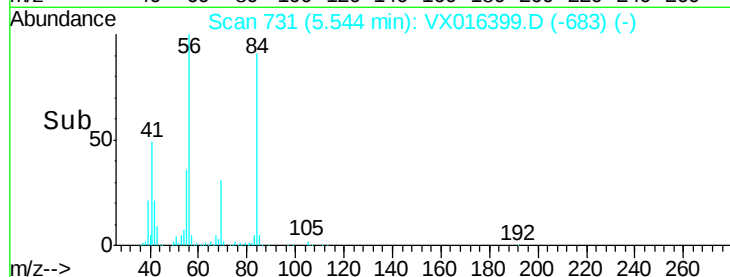
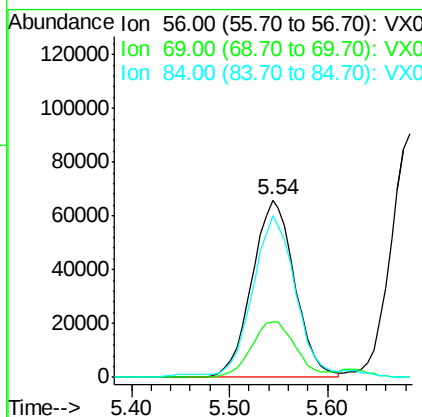
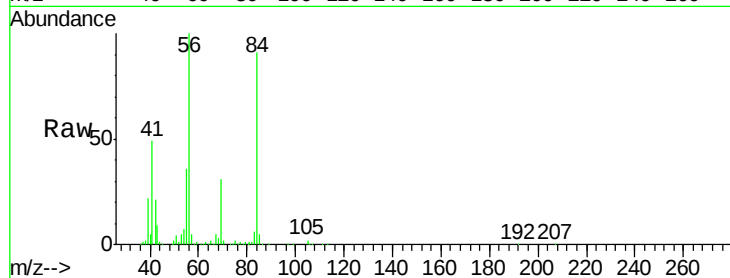




#31
Cyclohexane
Concen: 46.279 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

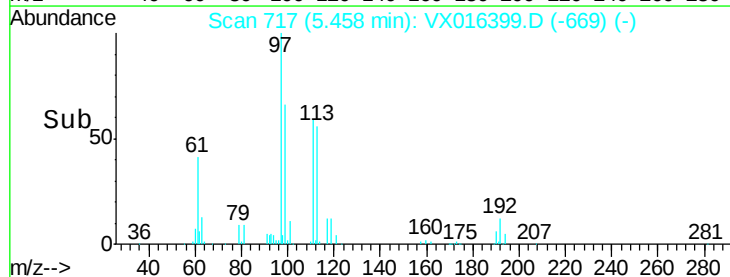
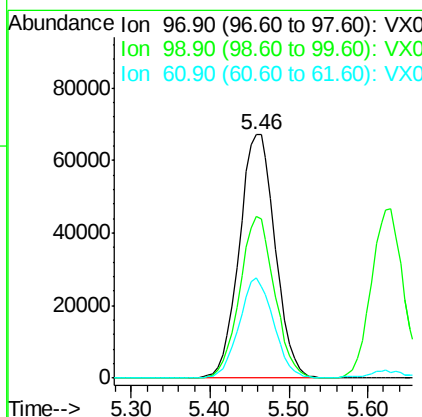
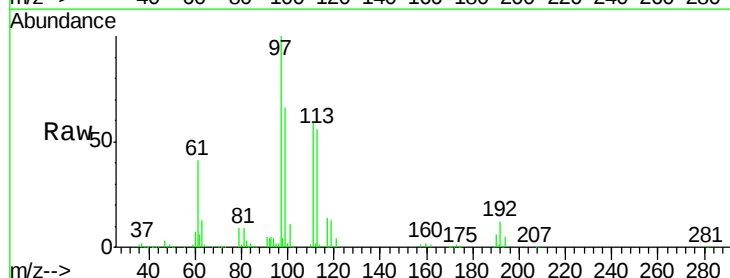
Instrument :
MSVOA_X
ClientSampleId :

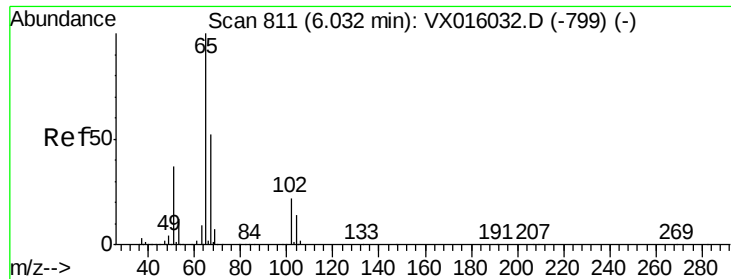
Tot Ion: 56 Resp: 199891
Ion Ratio Lower Upper
56 100
69 31.3 25.0 37.6
84 89.5 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 49.341 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion: 97 Resp: 212230
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 39.7 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 43.117 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

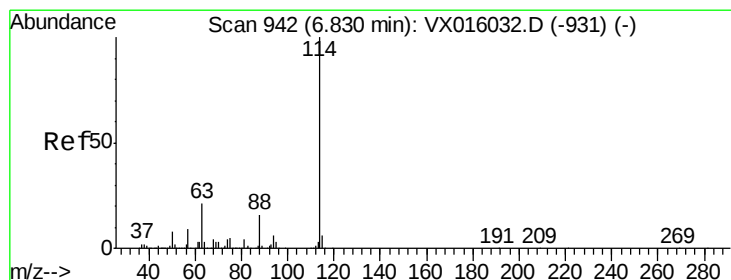
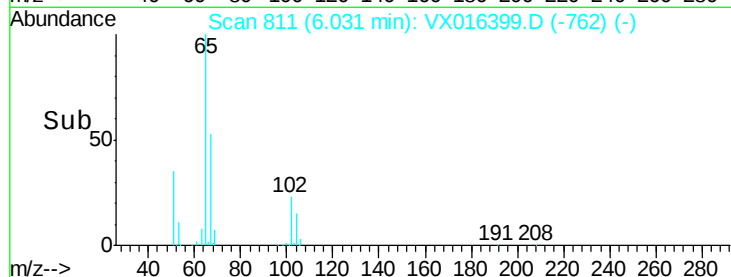
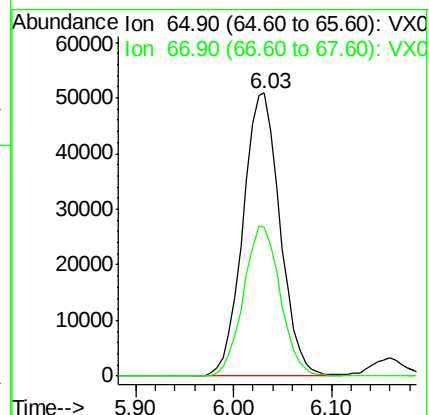
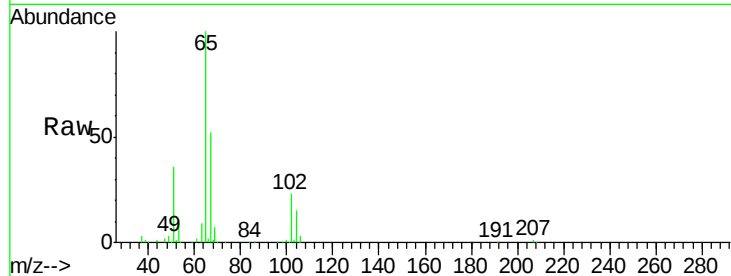
ClientSampleId :

Tot Ion: 65 Resp: 134057

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

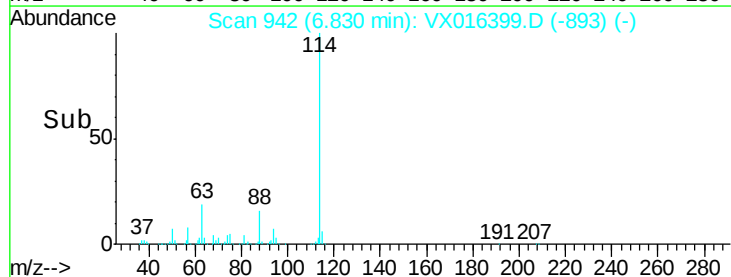
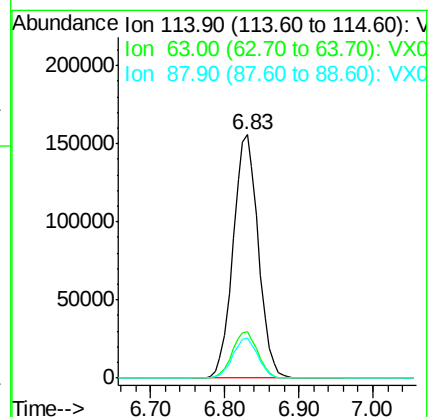
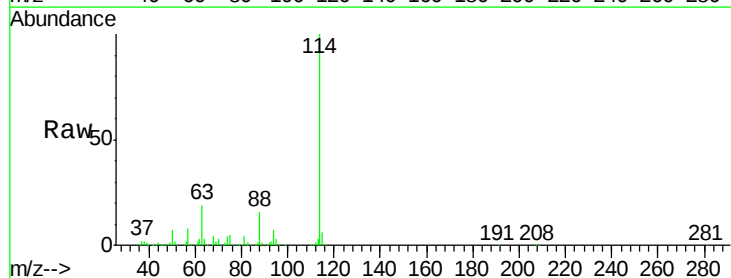
Tgt Ion: 114 Resp: 367731

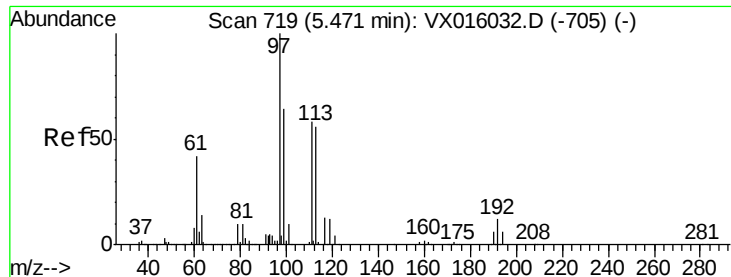
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.8

88 16.2 0.0 31.4

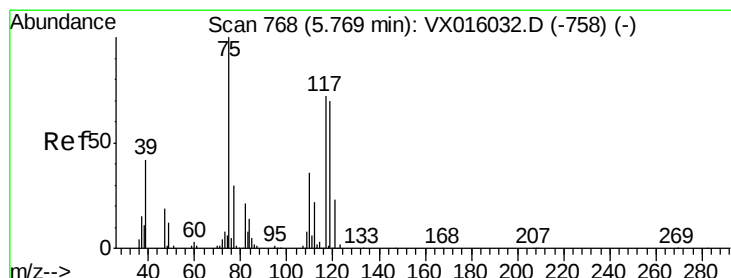
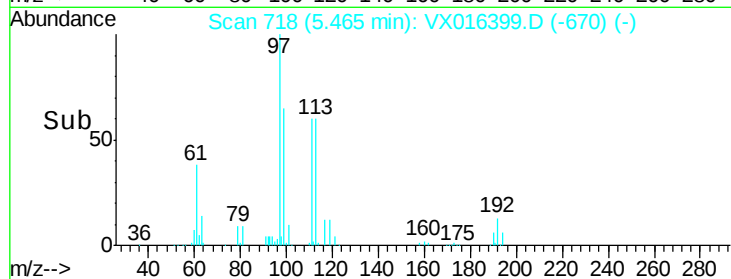
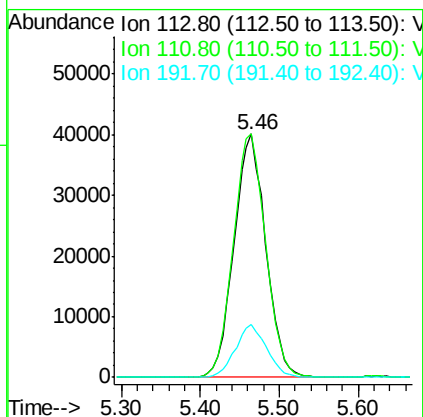
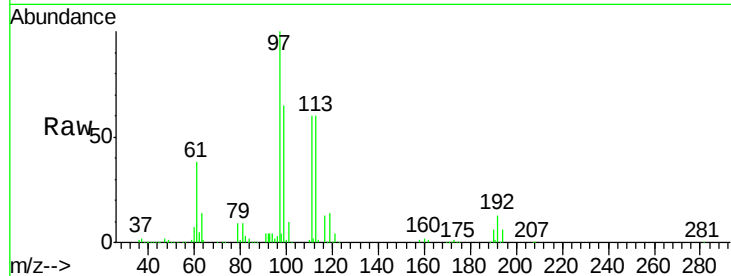




#35
 Dibromofluoromethane
 Concen: 48.142 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

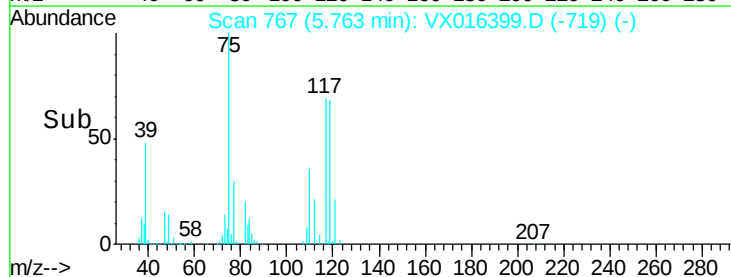
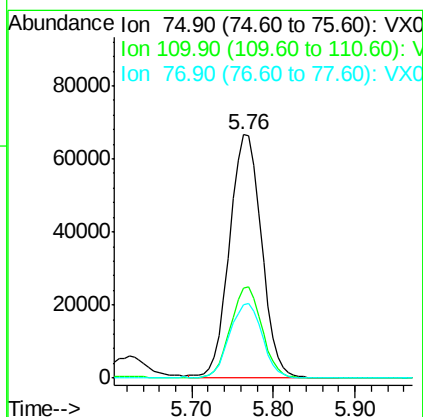
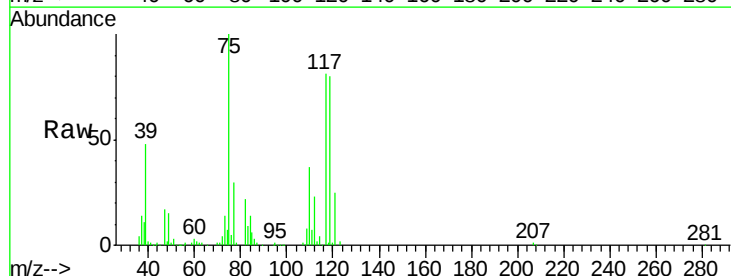
Instrument :
 MSVOA_X
 ClientSampleId :

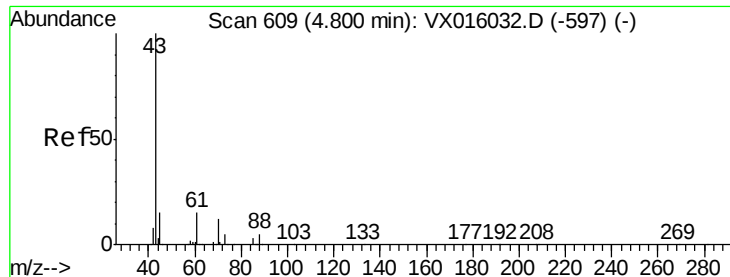
Tot Ion:113 Resp: 112158
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.6 122.4
 192 21.4 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 49.985 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

Tgt Ion: 75 Resp: 180934
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.1
 77 31.3 25.0 37.6

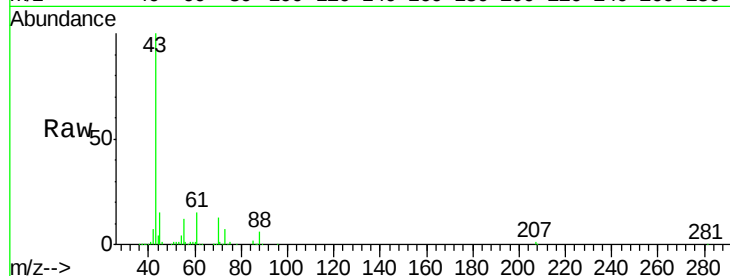




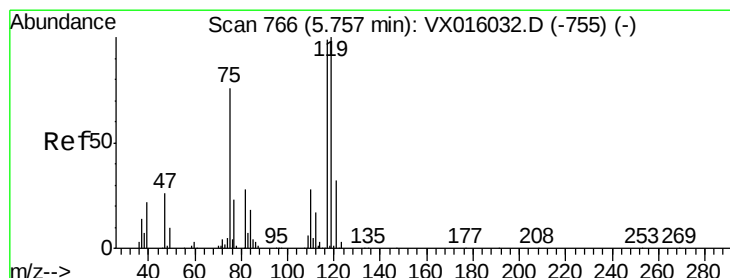
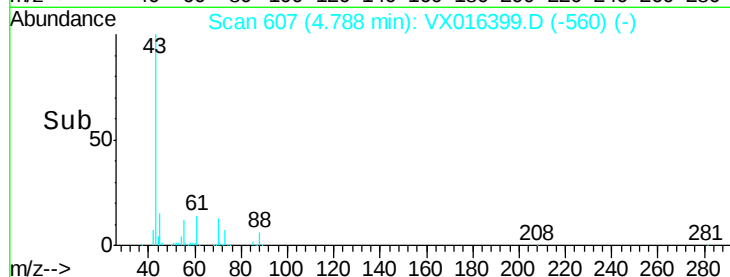
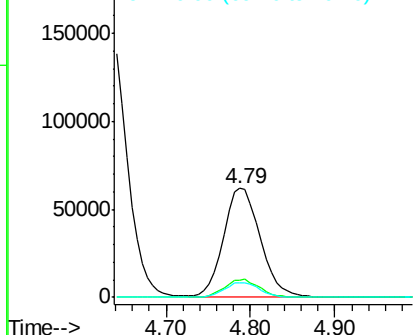
#37
Ethyl Acetate
Concen: 43.830 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.7	17.5
70	13.3	9.3	13.9

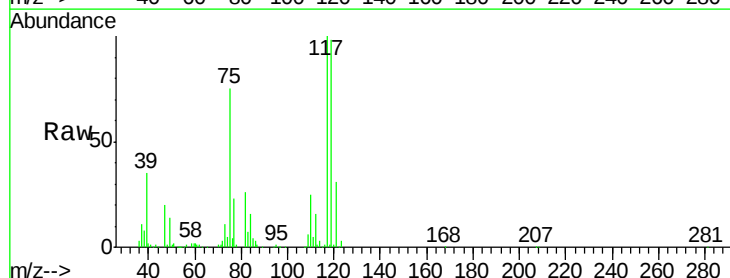


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

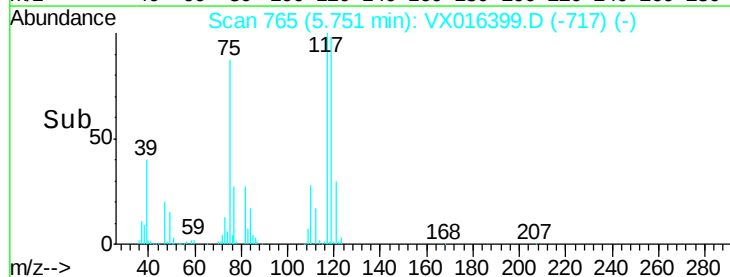
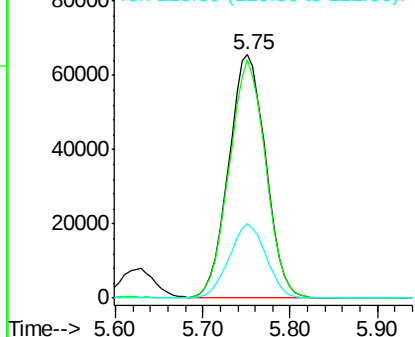


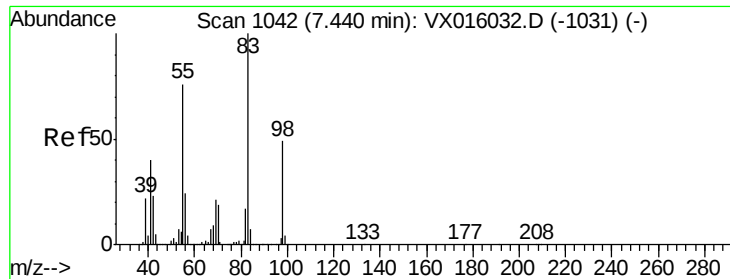
#38
Carbon Tetrachloride
Concen: 52.439 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	80.3	120.5
121	30.6	25.7	38.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

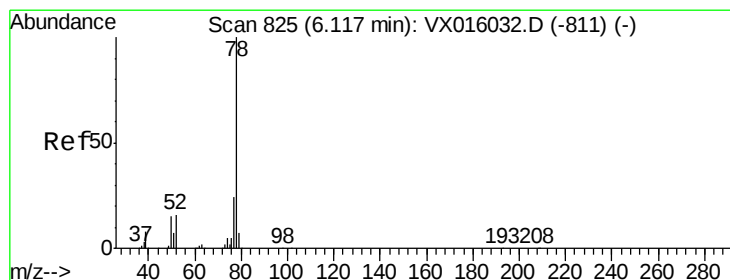
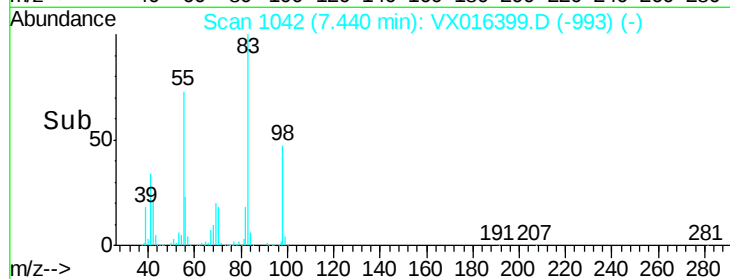
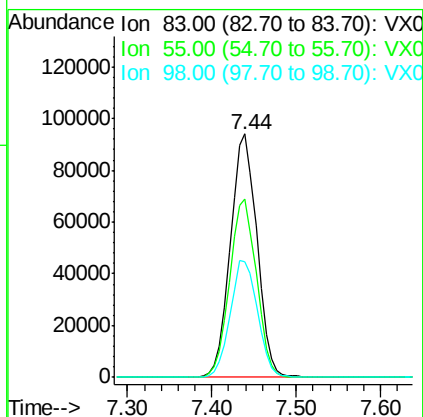
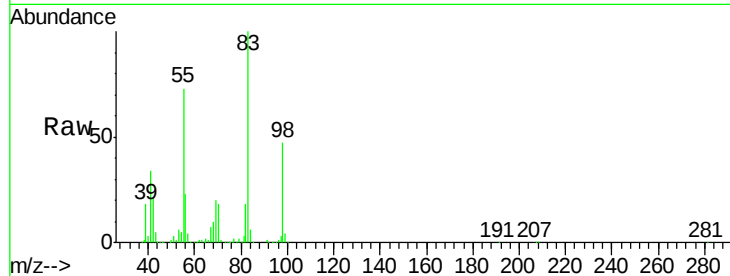




#39
Methvlcvclohexane
Concen: 46.171 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

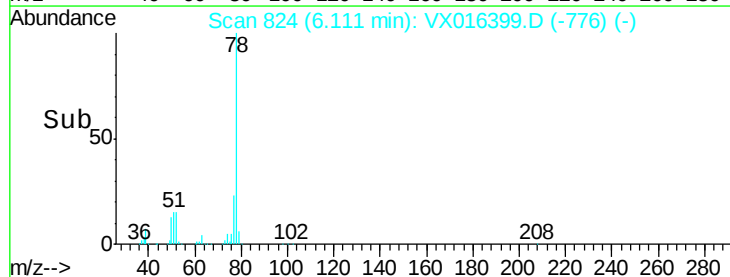
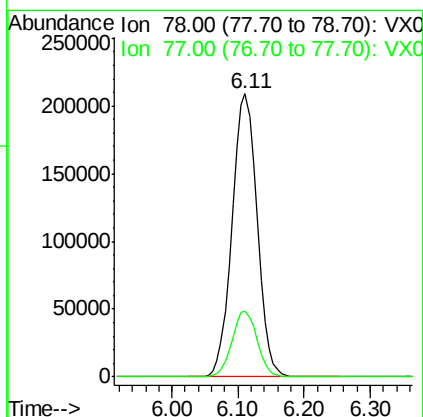
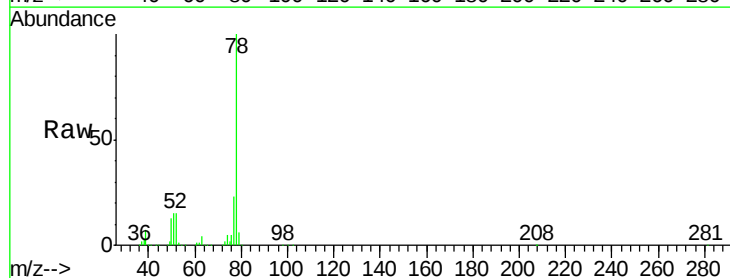
Instrument :
MSVOA_X
ClientSampleId :

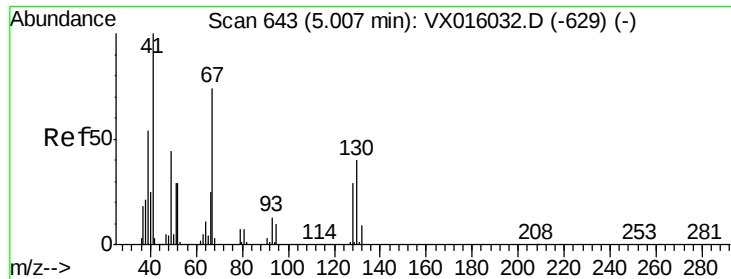
Tot Ion: 83 Resp: 201268
Ion Ratio Lower Upper
83 100
55 73.2 61.1 91.7
98 47.3 39.0 58.4



#40
Benzene
Concen: 51.736 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion: 78 Resp: 547950
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

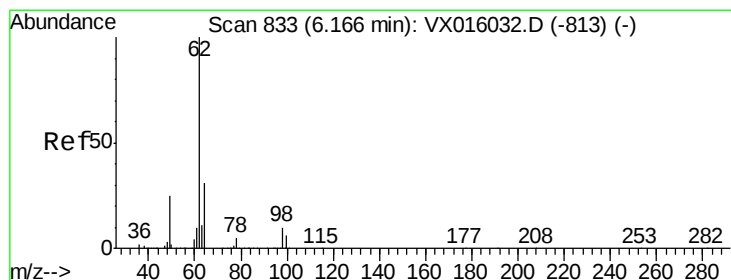
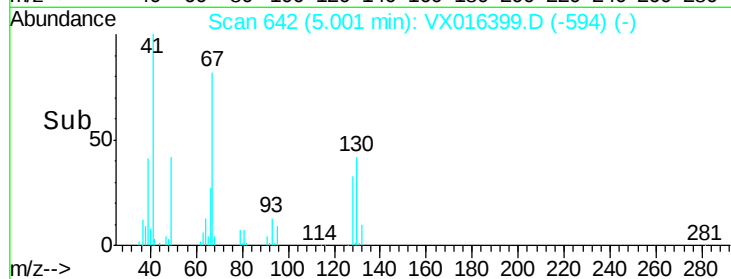
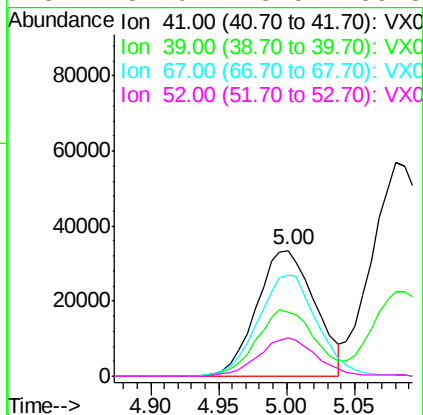
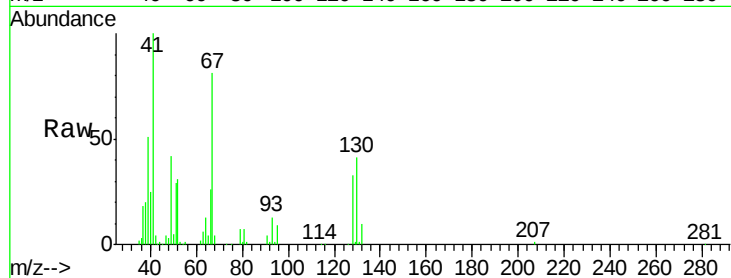




#41
Methacrylonitrile
Concen: 44.242 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

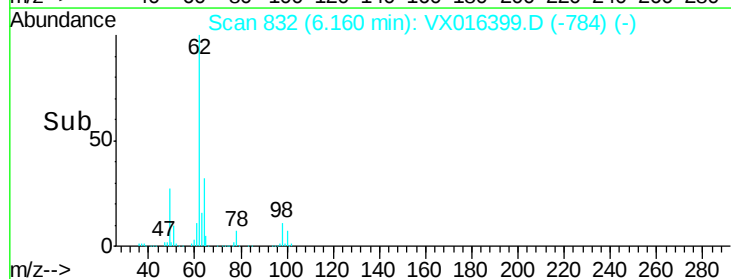
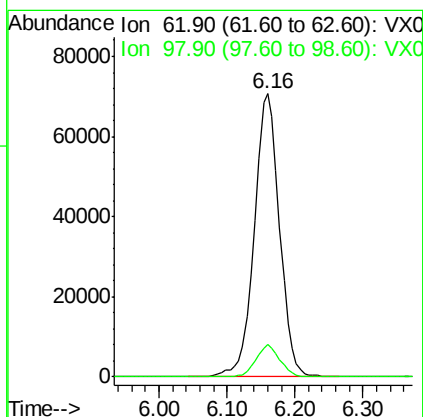
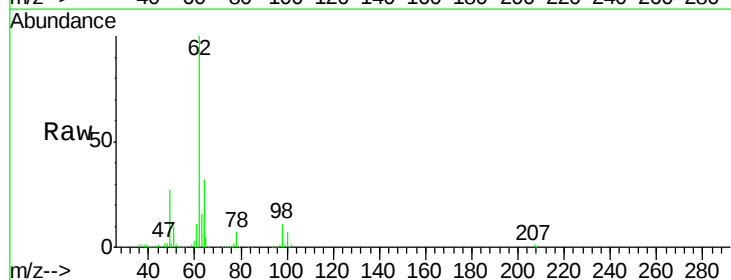
Instrument :
MSVOA_X
ClientSampled :

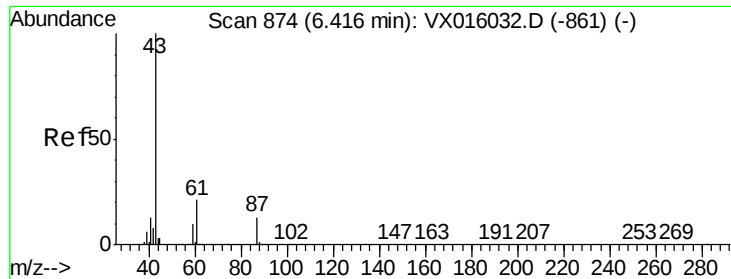
Tot Ion:	41	Resp:	100242
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.2	64.8
67	81.8	59.3	88.9
52	31.0	23.5	35.3



#42
1,2-Dichloroethane
Concen: 47.904 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion:	62	Resp:	182771
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	19.4



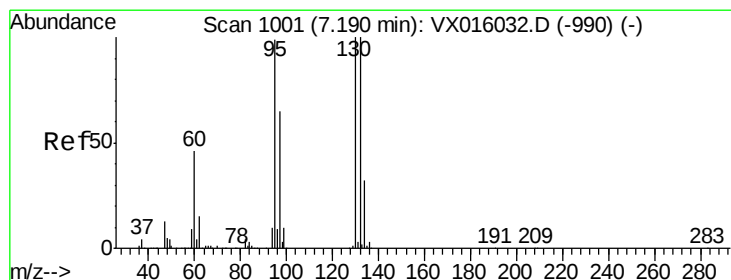
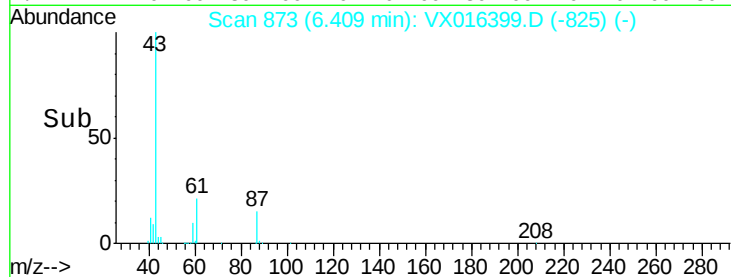
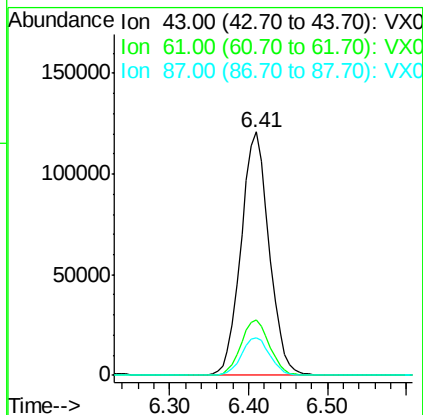
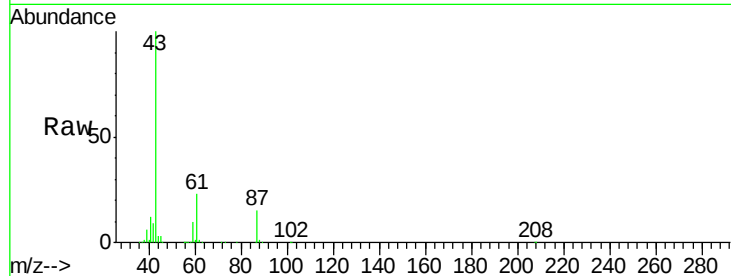


#43

Isopropyl Acetate
 Concen: 44.527 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

Instrument :
 MSVOA_X
 ClientSampleId :

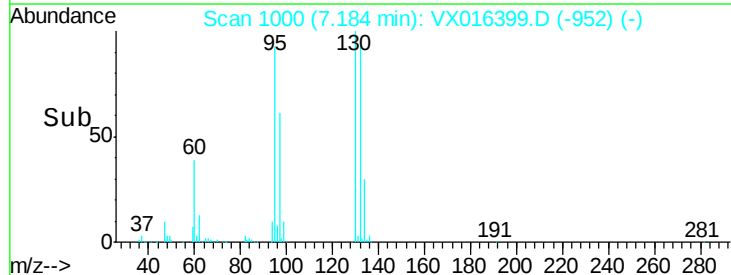
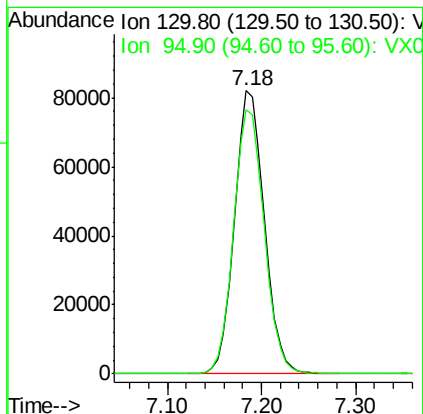
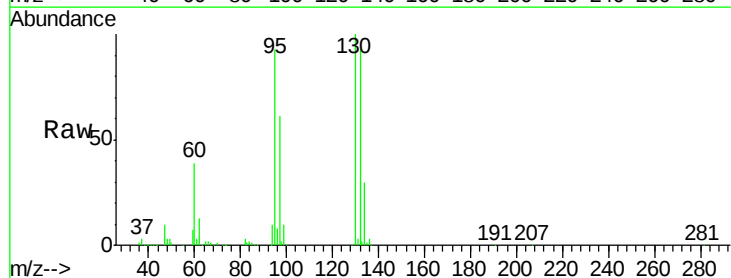
Tot Ion	Ratio	Lower	Upper
43	100		
61	23.3	17.0	25.4
87	15.8	11.0	16.6

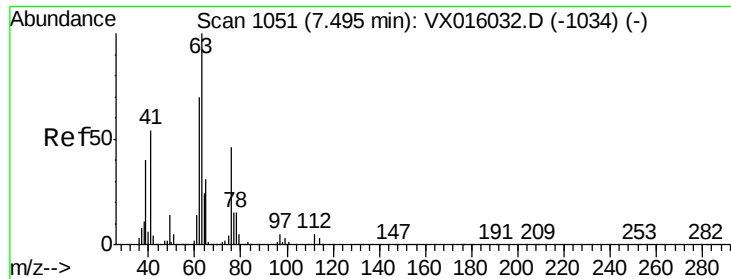


#44

Trichloroethene
 Concen: 48.215 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	197.4





#45

1,2-Dichloropropane

Concen: 50.445 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

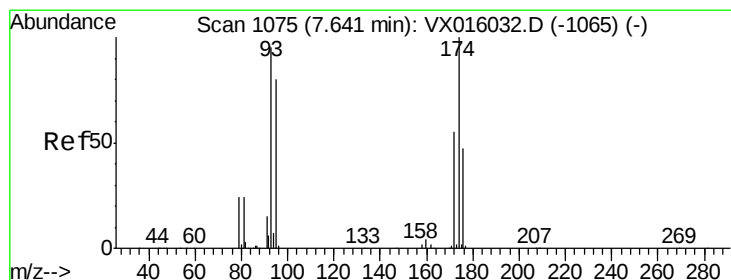
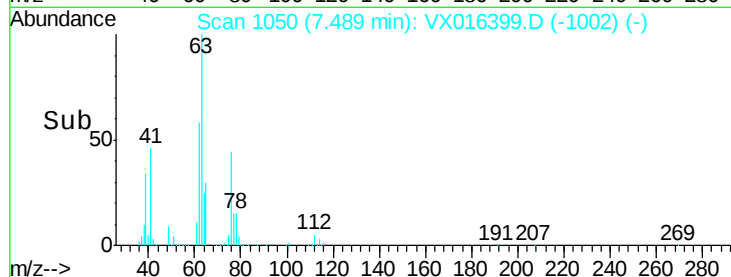
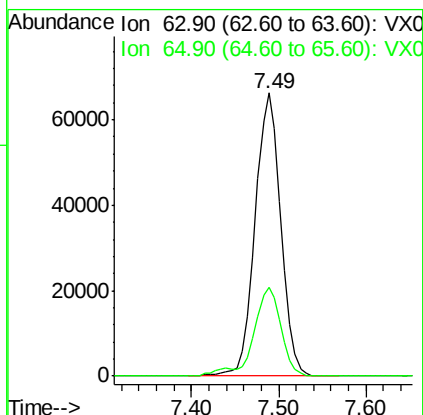
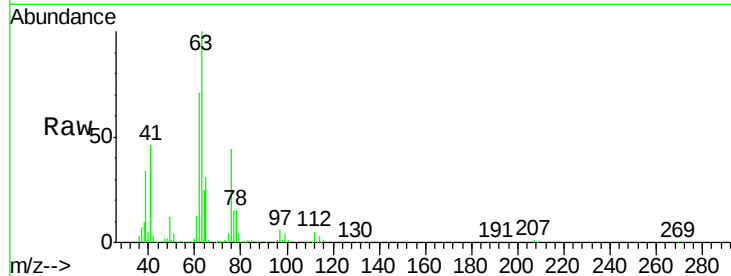
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 63 Resp: 135191

Ion Ratio Lower Upper

63 100

65 31.4 24.4 36.6



#46

Dibromomethane

Concen: 51.008 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

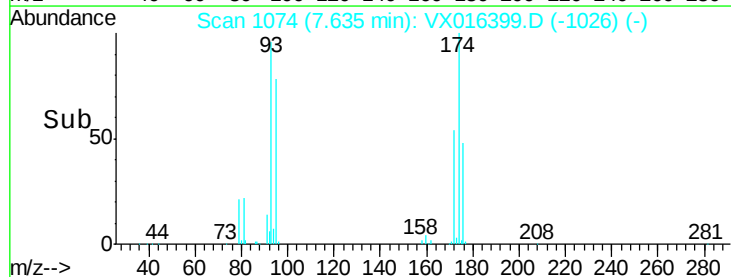
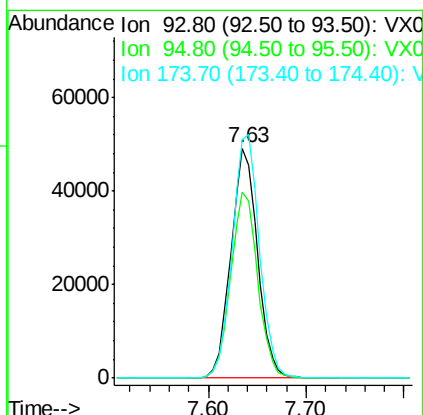
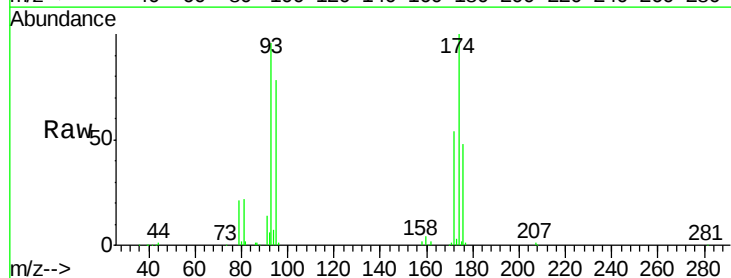
Tgt Ion: 93 Resp: 92897

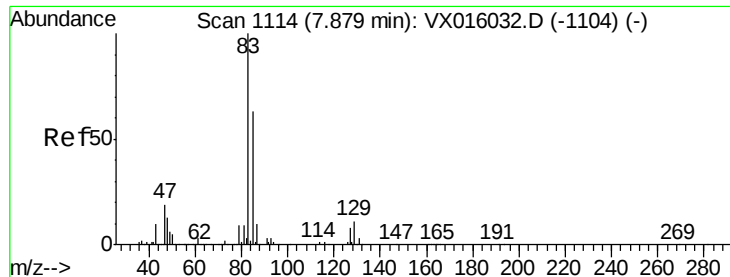
Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

174 108.4 84.2 126.4





#47

Bromodichloromethane

Concen: 52.013 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :
MSVOA_X
ClientSampled :

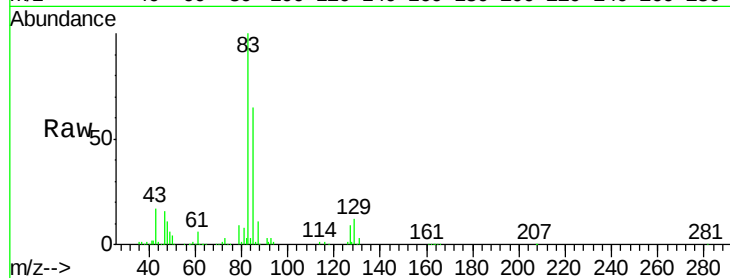
Tot Ion: 83 Resp: 192926

Ion Ratio Lower Upper

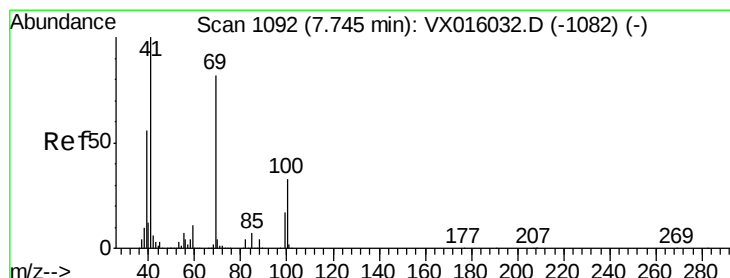
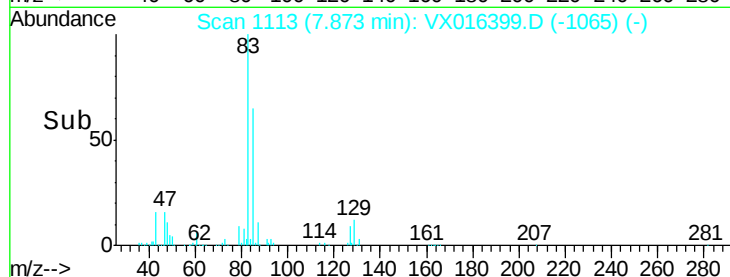
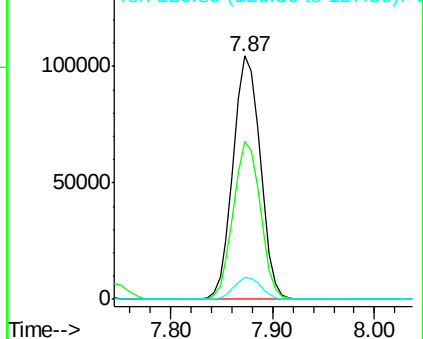
83 100

85 64.8 50.5 75.7

127 9.1 6.7 10.1



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: 44.810 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

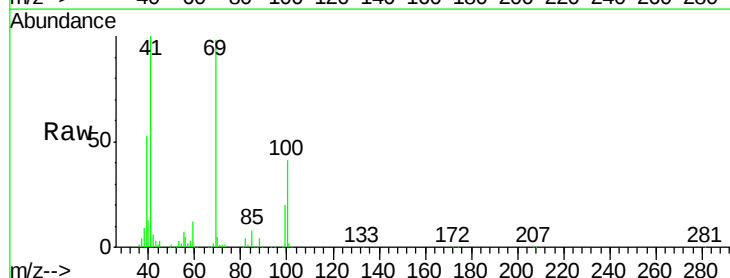
Tgt Ion: 41 Resp: 142133

Ion Ratio Lower Upper

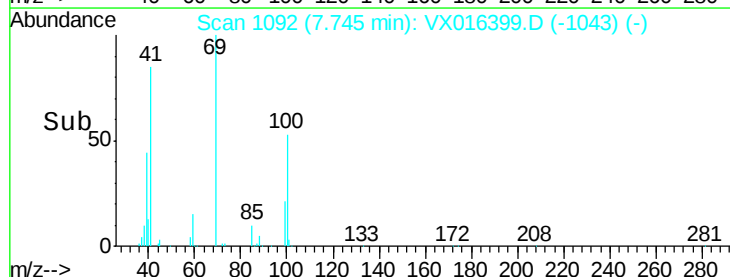
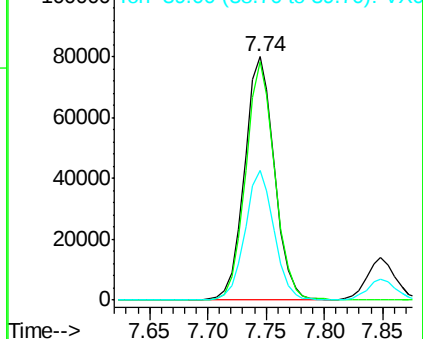
41 100

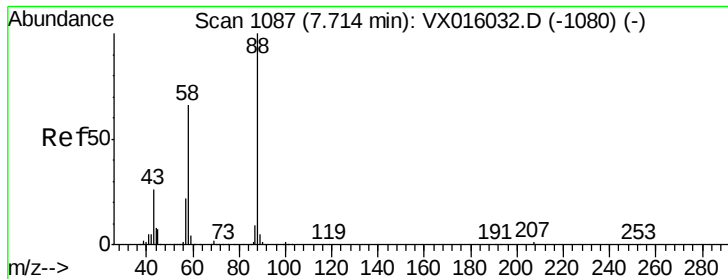
69 95.2 67.8 101.6

39 52.2 44.6 67.0



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





#49

1,4-Dioxane

Concen: 929.590 ug/l

RT: 7.71 min Scan# 1087

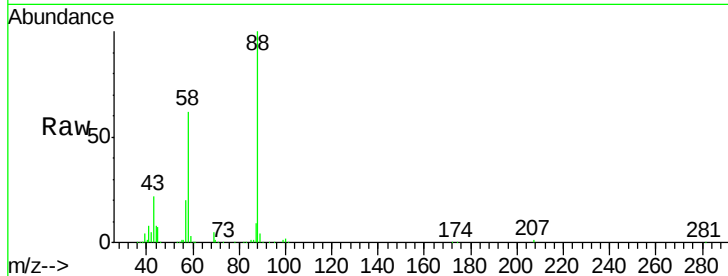
Delta R.T. -0.00 min

Lab File: VX016399.D

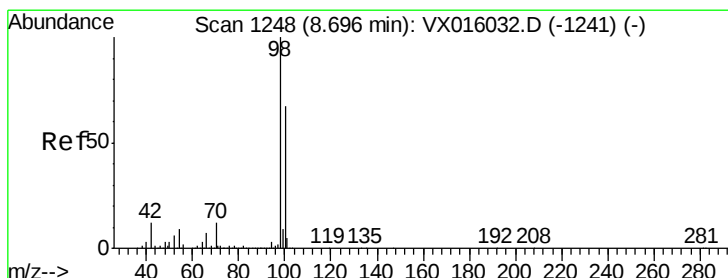
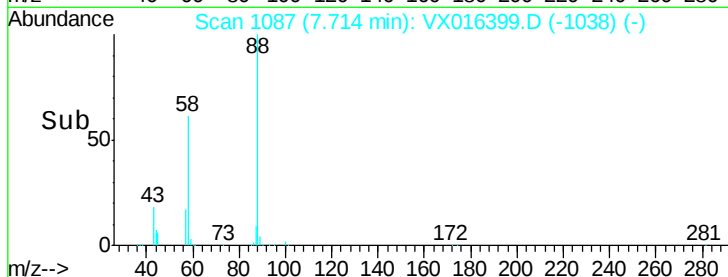
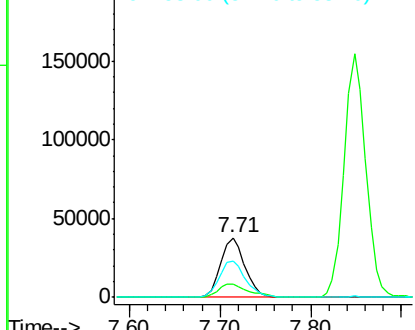
Acq: 22 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	88	Resp:	70717
Ion	Ratio	Lower	Upper
88	100		
43	28.0	25.3	37.9
58	65.6	55.9	83.9



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: 48.331 ug/l

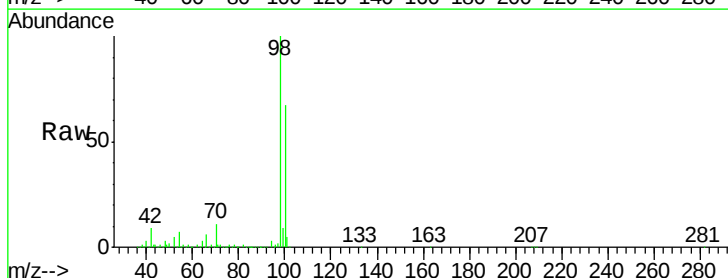
RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

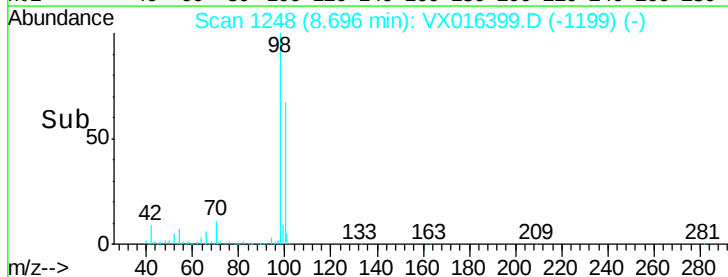
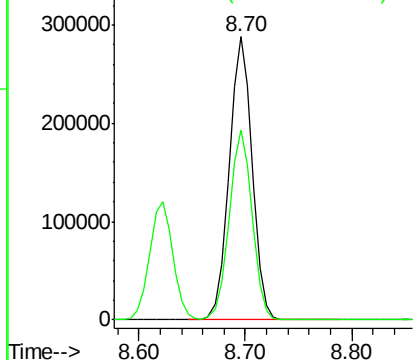
Lab File: VX016399.D

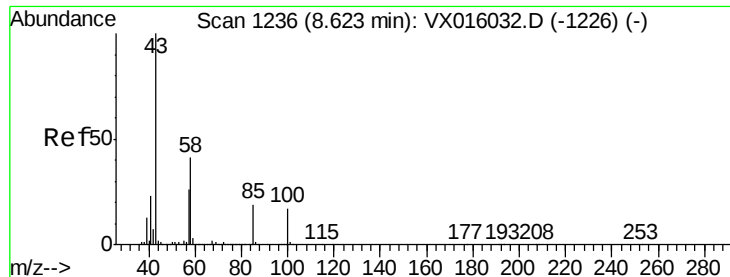
Acq: 22 May 2020 09:53

Tgt Ion:	98	Resp:	433853
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.7	80.5



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





#51

4-Methyl-2-Pentanone

Concen: 229.586 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

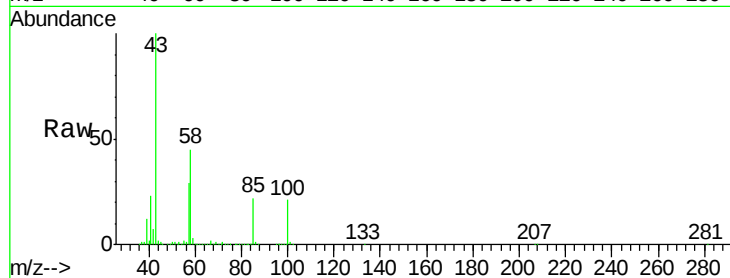
ClientSampleId :

Tot Ion: 43 Resp: 940461

Ion Ratio Lower Upper

43 100

58 44.4 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

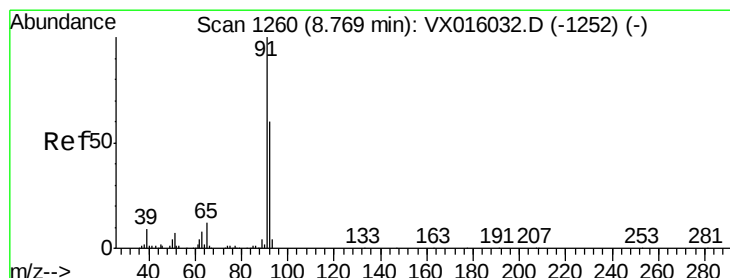
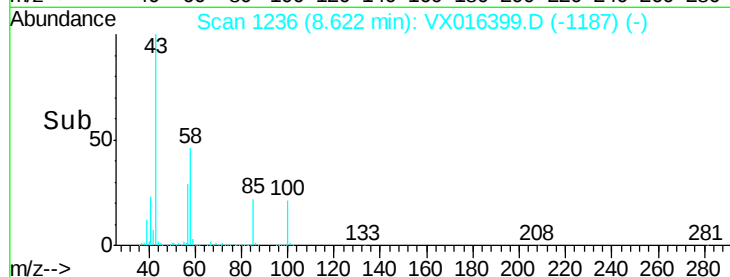
400000

200000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 53.597 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016399.D

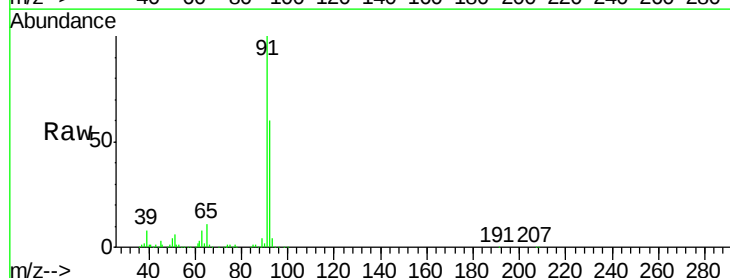
Acq: 22 May 2020 09:53

Tgt Ion: 92 Resp: 353832

Ion Ratio Lower Upper

92 100

91 167.9 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

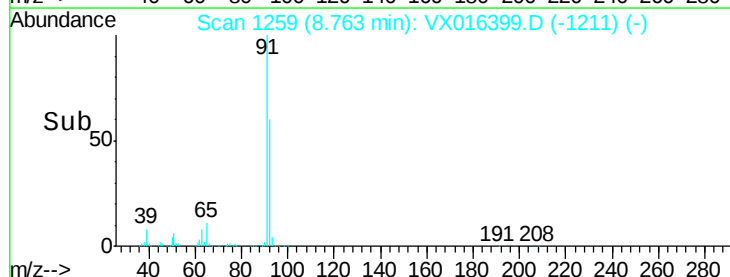
200000

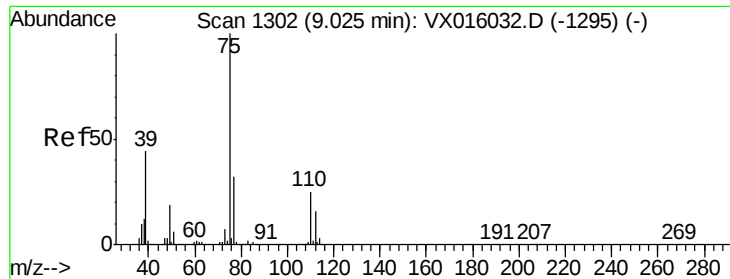
100000

0

8.70 8.80 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.995 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

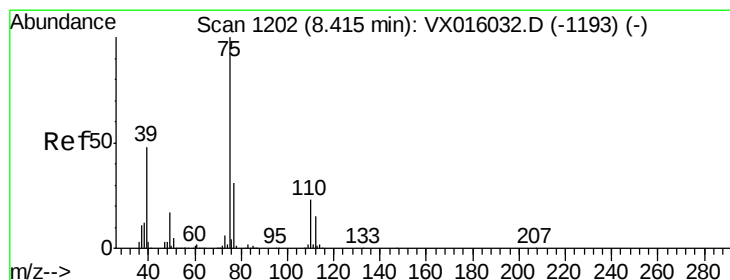
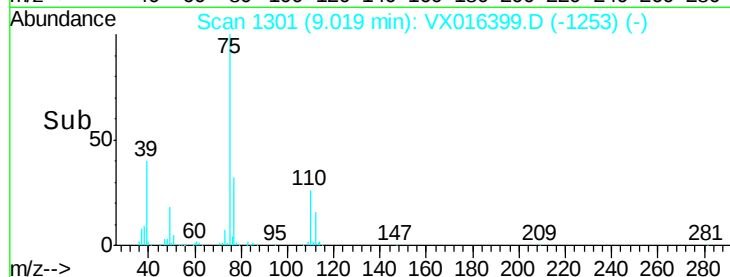
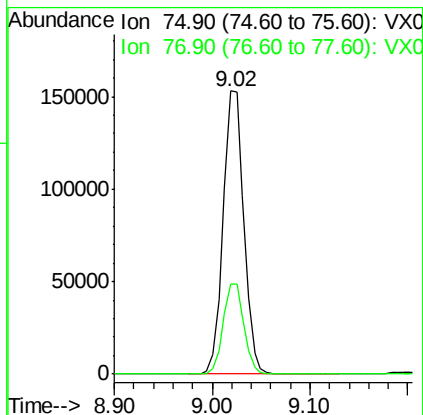
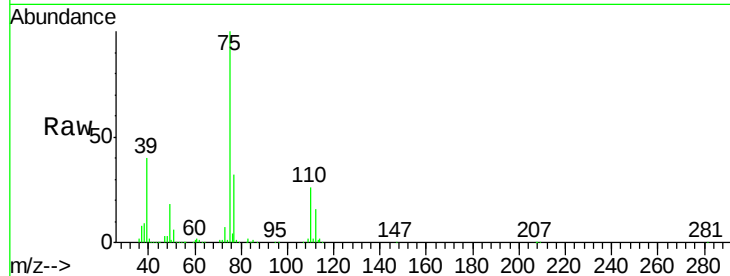
ClientSampleId :

Tot Ion: 75 Resp: 225526

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 51.918 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

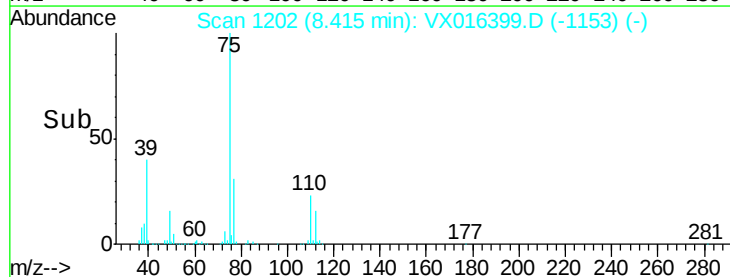
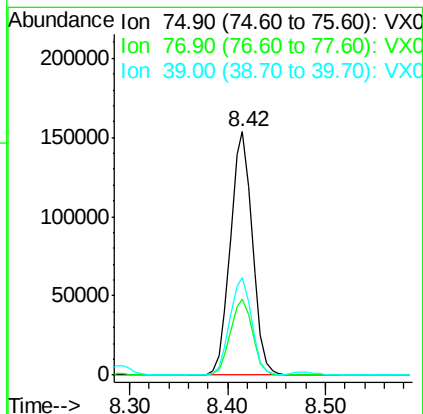
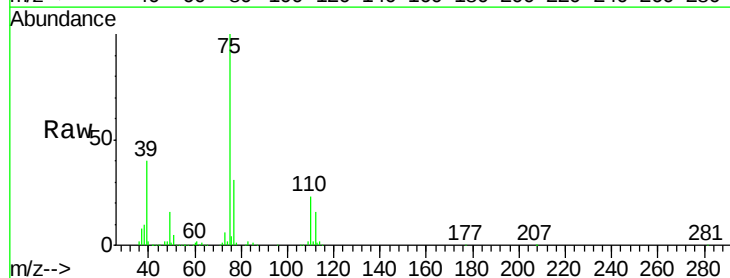
Tgt Ion: 75 Resp: 239829

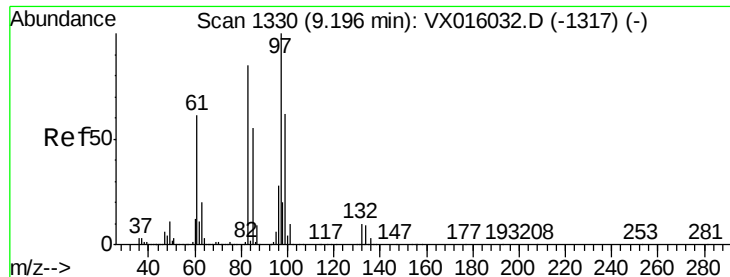
Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

39 40.0 38.7 58.1

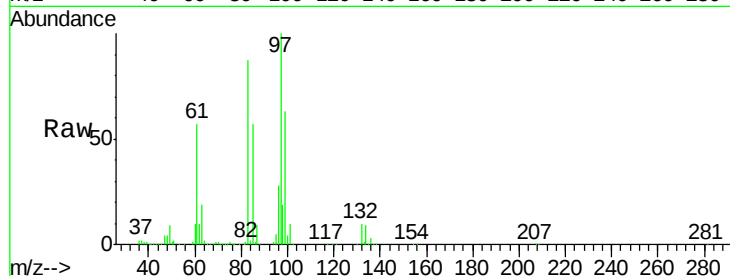




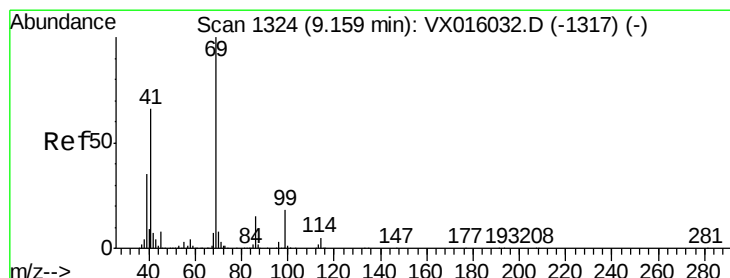
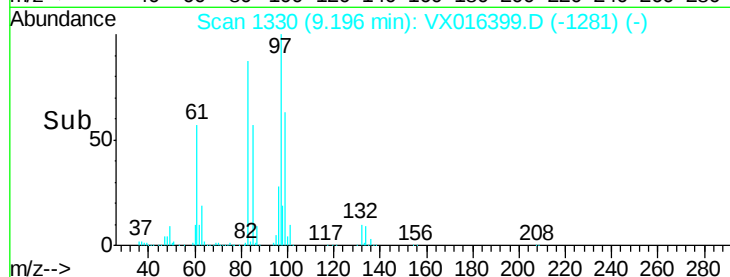
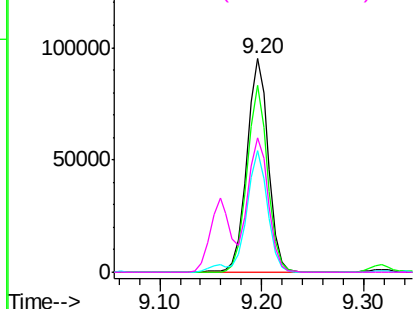
#55
 1,1,2-Trichloroethane
 Concen: 53.591 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	139196
Ion	Ratio	Lower	Upper
97	100		
83	87.2	67.8	101.8
85	56.8	43.8	65.8
99	62.9	49.4	74.0

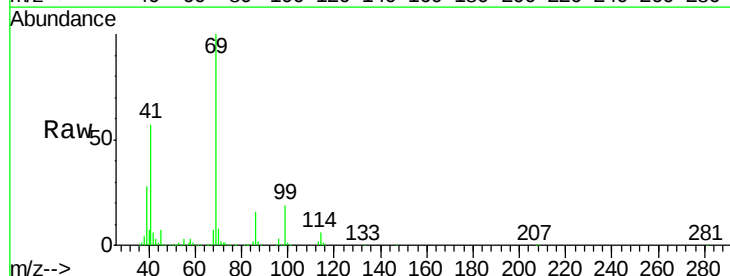


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

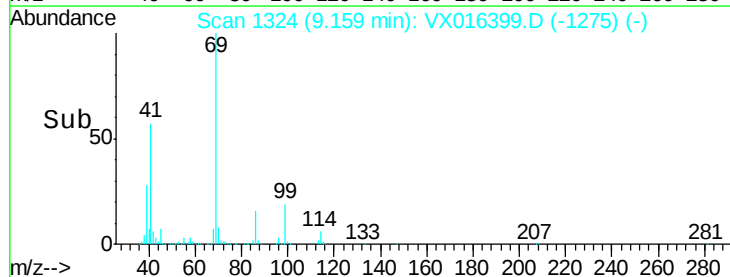
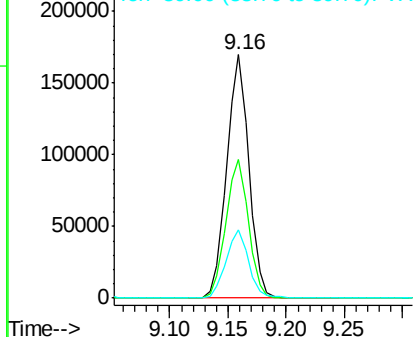


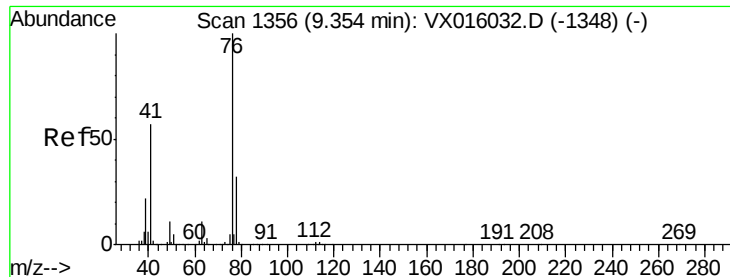
#56
 Ethyl methacrylate
 Concen: 52.746 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

Tgt Ion:	69	Resp:	223628
Ion	Ratio	Lower	Upper
69	100		
41	58.1	52.2	78.4
39	28.8	28.2	42.4



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: 52.038 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

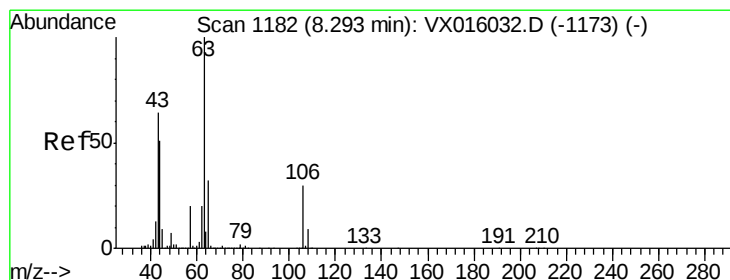
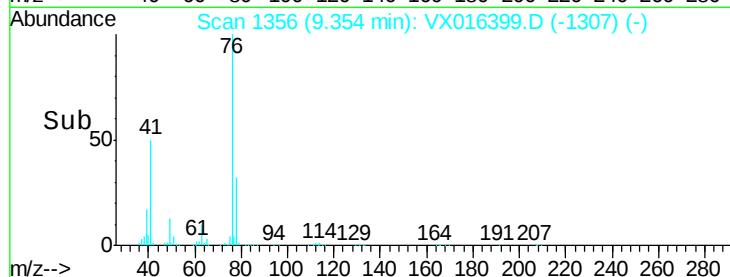
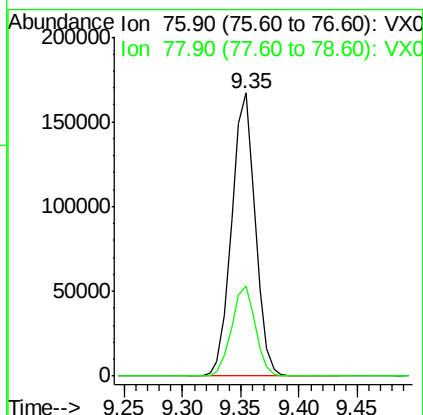
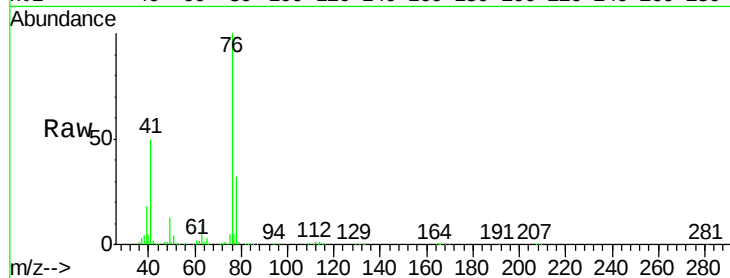
ClientSampleId :

Tot Ion: 76 Resp: 235843

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 248.655 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX016399.D

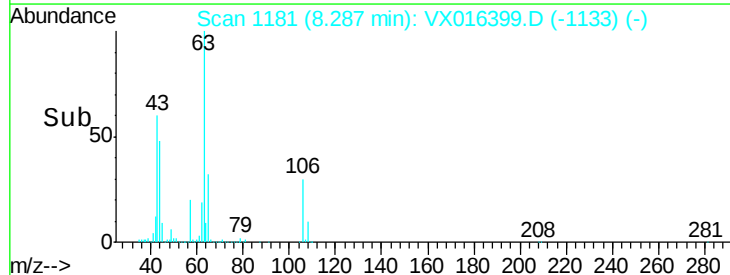
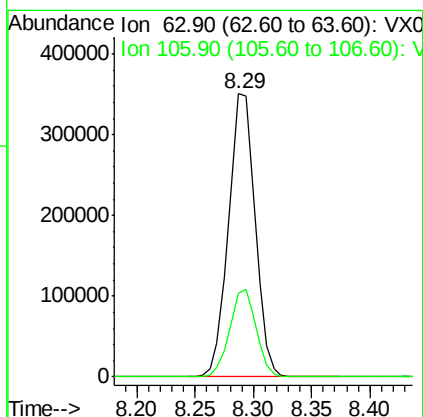
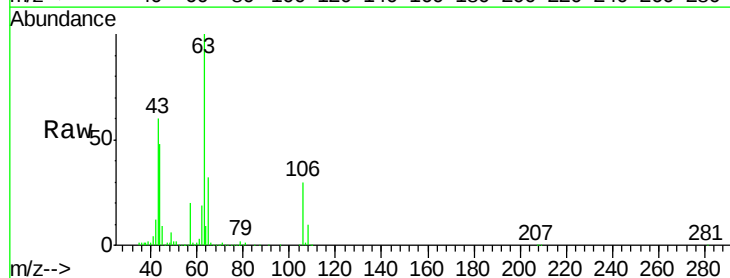
Acq: 22 May 2020 09:53

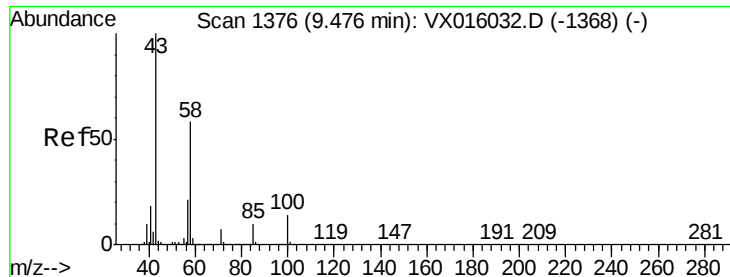
Tgt Ion: 63 Resp: 561245

Ion Ratio Lower Upper

63 100

106 30.7 23.4 35.2

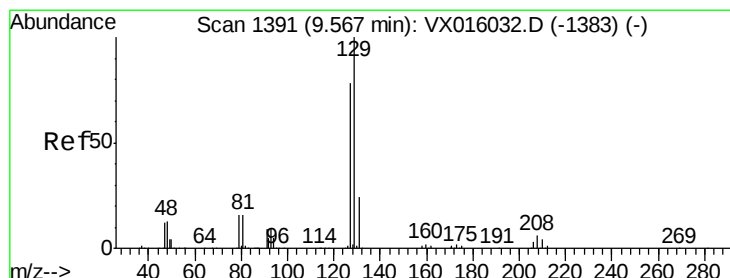
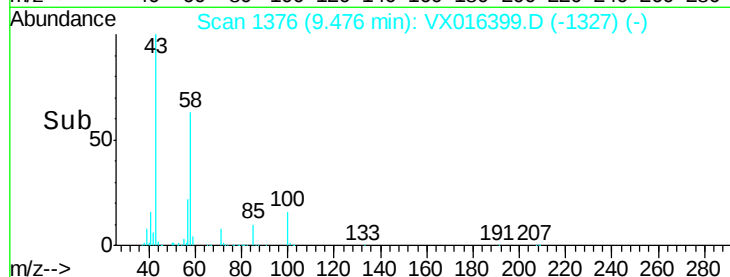
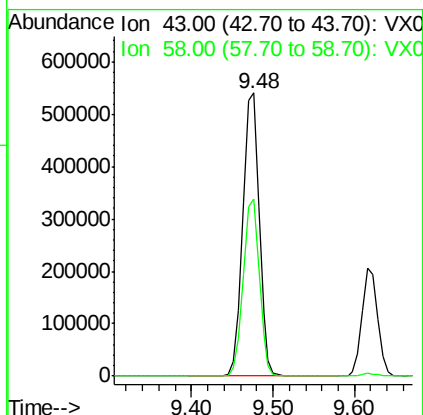
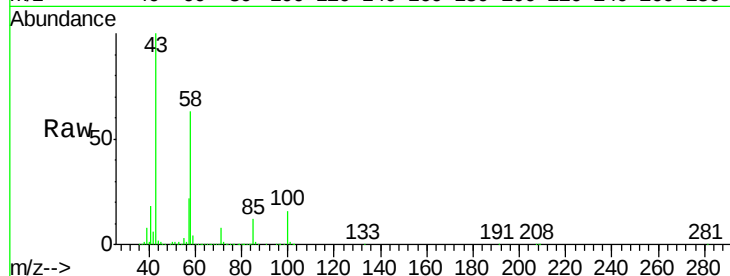




#59
2-Hexanone
Concen: 233.054 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

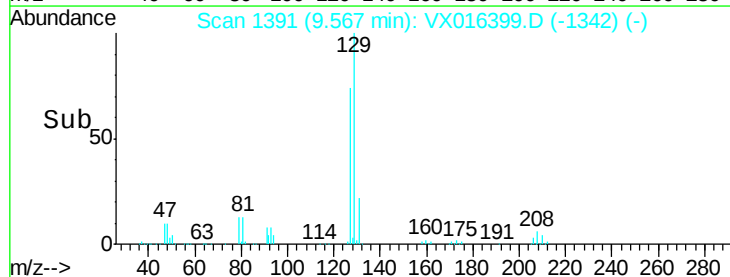
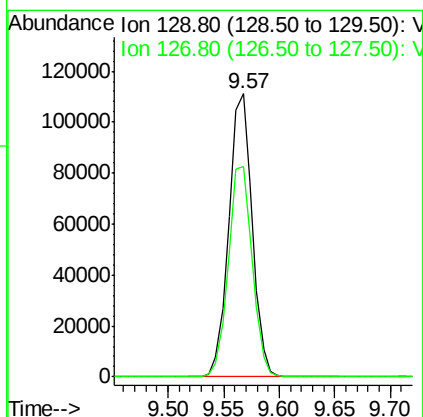
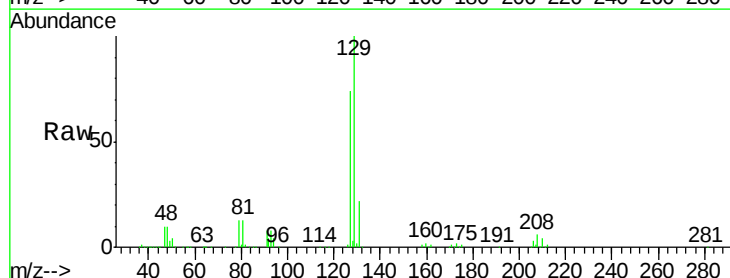
Instrument :
MSVOA_X
ClientSampleId :

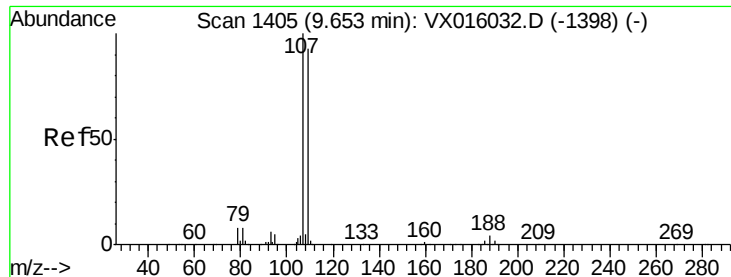
Tot Ion: 43 Resp: 749720
Ion Ratio Lower Upper
43 100
58 61.7 28.6 85.9



#60
Dibromochloromethane
Concen: 56.283 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion: 129 Resp: 161005
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.2





#61

1,2-Dibromoethane

Concen: 53.017 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

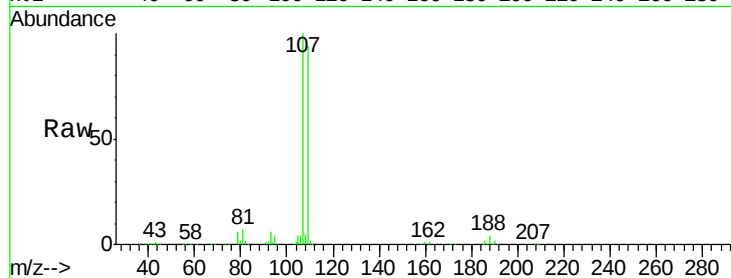
ClientSampleId :

Tot Ion: 107 Resp: 149158

Ion Ratio Lower Upper

107 100

109 94.2 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

120000

100000

80000

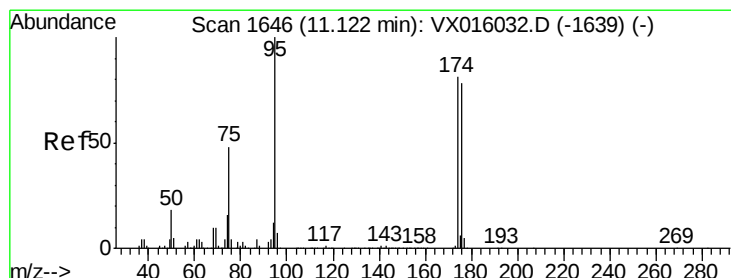
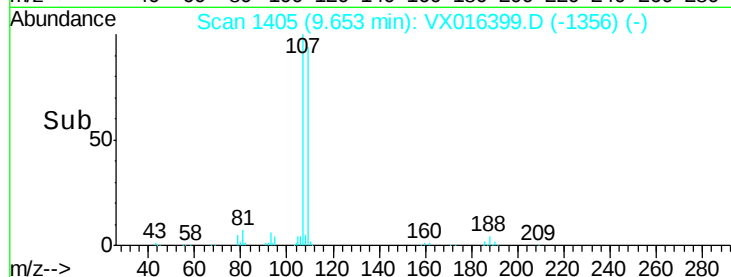
60000

40000

20000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 50.378 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

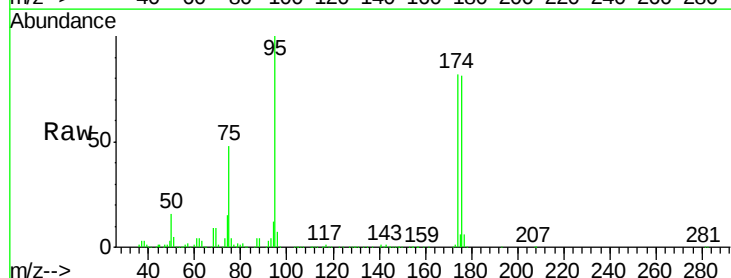
Tgt Ion: 95 Resp: 172005

Ion Ratio Lower Upper

95 100

174 82.0 0.0 159.4

176 78.9 0.0 157.6



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

11.12

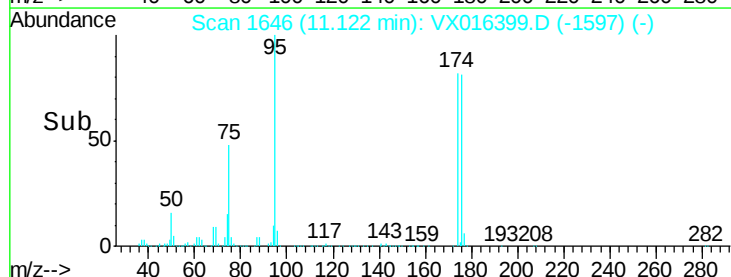
150000

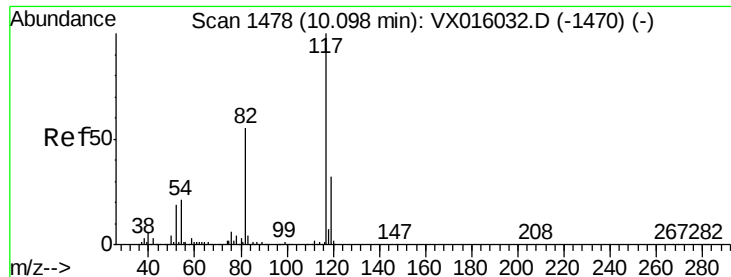
100000

50000

0

Time--> 11.05 11.10 11.15

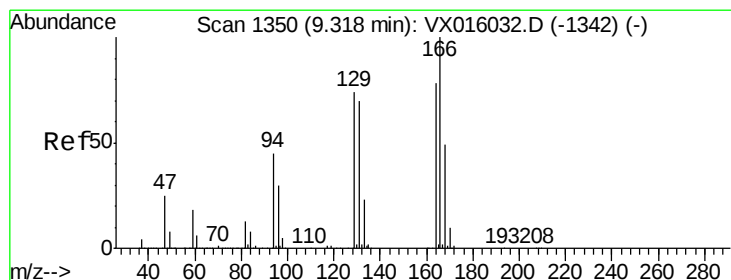
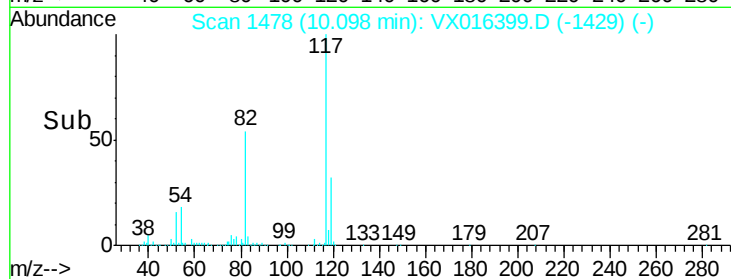
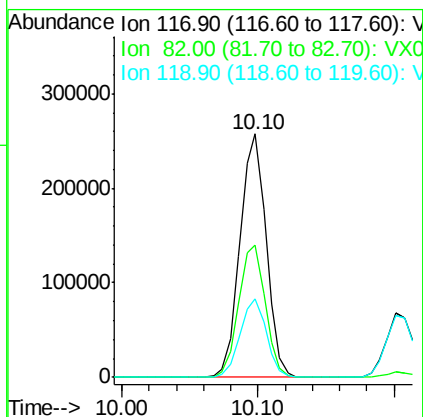
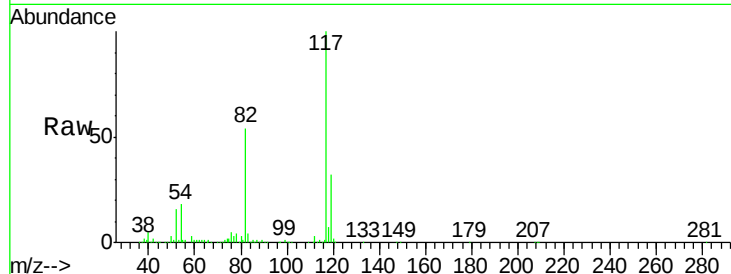




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

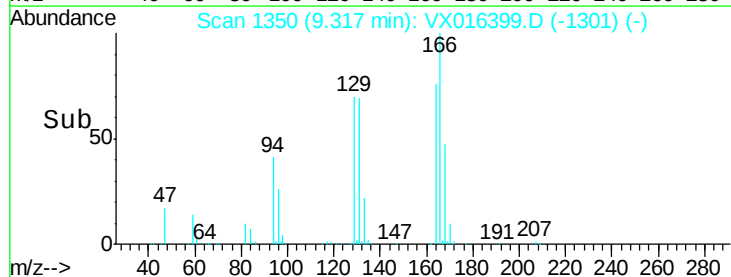
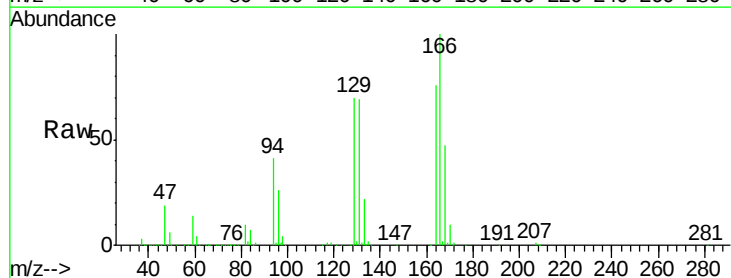
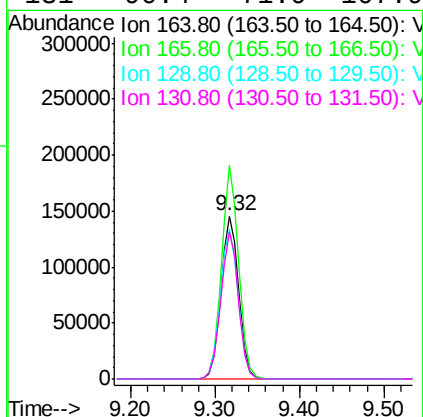
Instrument :
MSVOA_X
ClientSampleId :

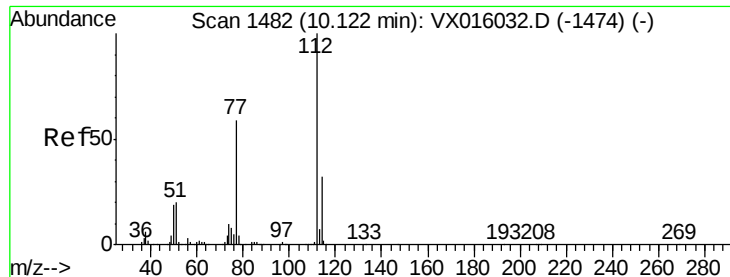
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.4	66.6
119	32.2	25.5	38.3



#64
Tetrachloroethene
Concen: 49.662 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	102.9	154.3
129	92.5	76.1	114.1
131	90.4	71.9	107.9





#65

Chlorobenzene

Concen: 53.080 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

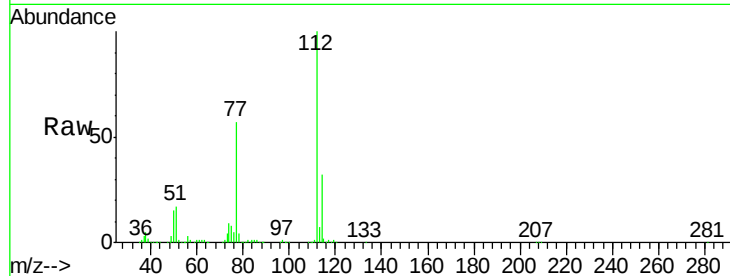
ClientSampleId :

Tot Ion:112 Resp: 384063

Ion Ratio Lower Upper

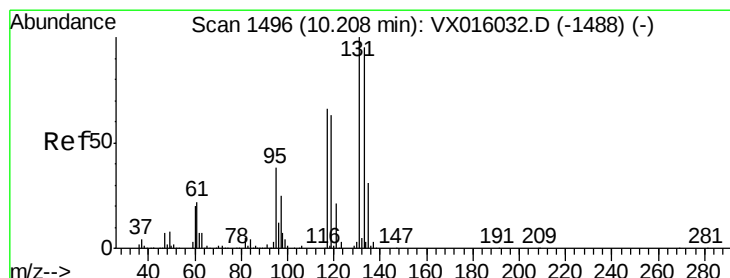
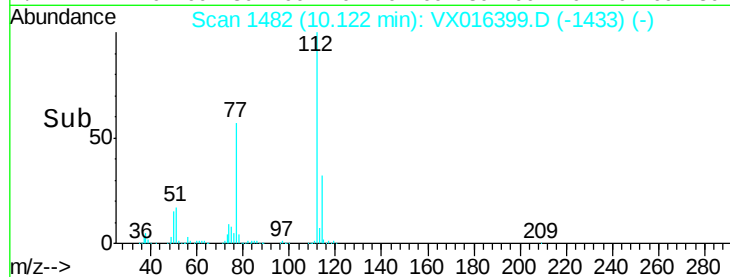
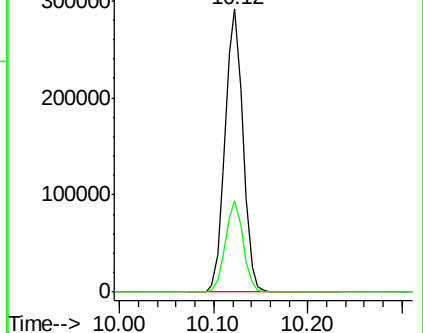
112 100

114 32.1 25.7 38.5



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: 53.391 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

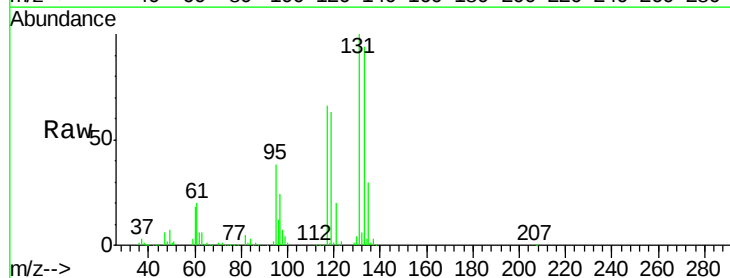
Tgt Ion:131 Resp: 142788

Ion Ratio Lower Upper

131 100

133 97.1 48.3 144.8

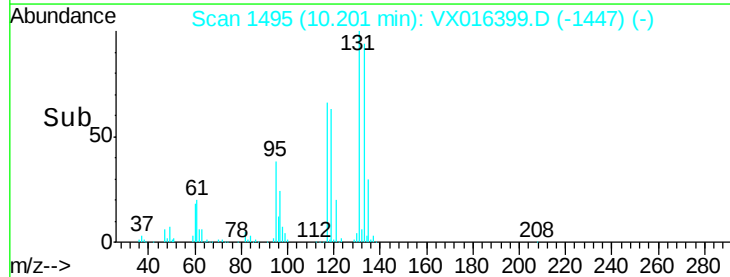
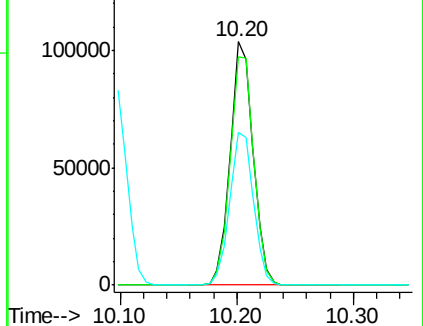
119 64.9 32.3 96.9

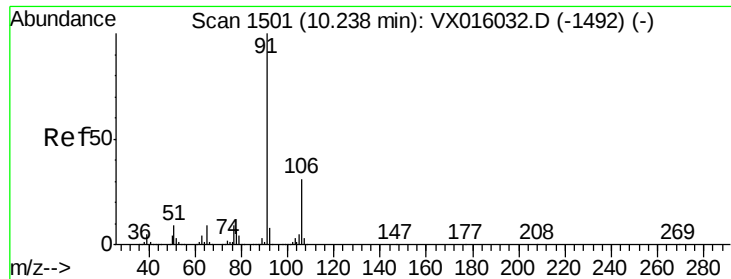


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

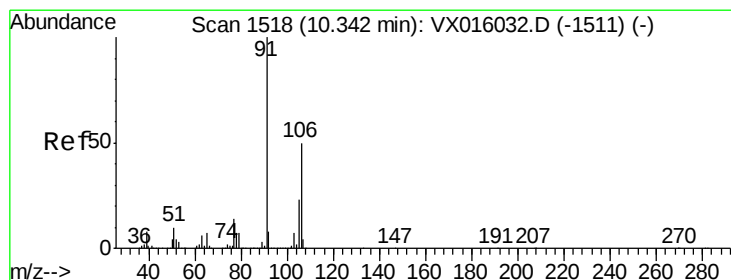
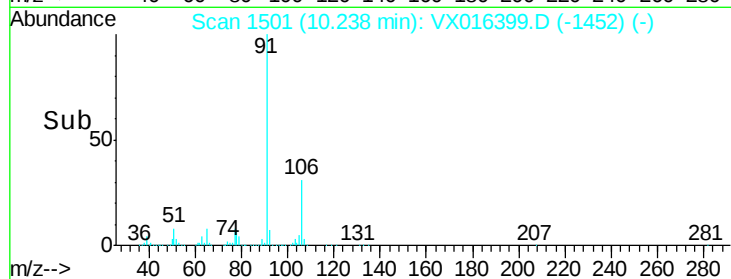
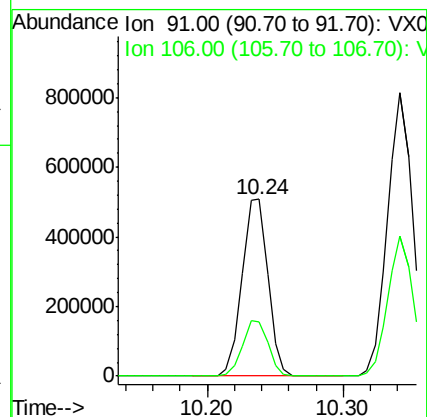
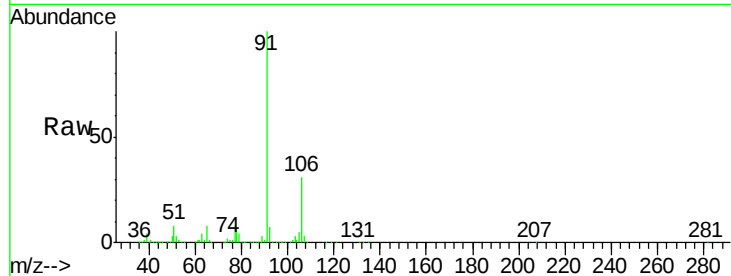




#67
Ethyl Benzene
Concen: 52.494 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

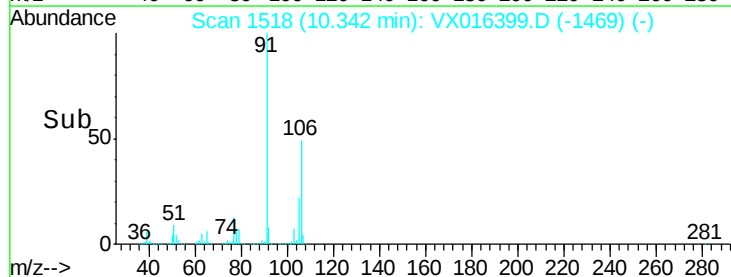
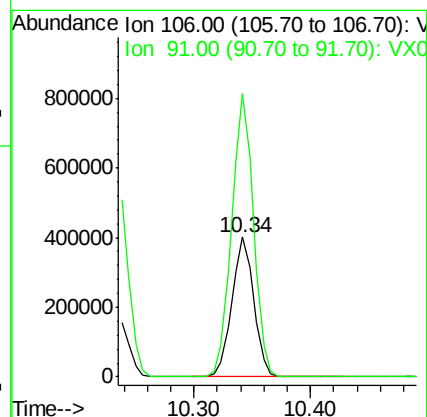
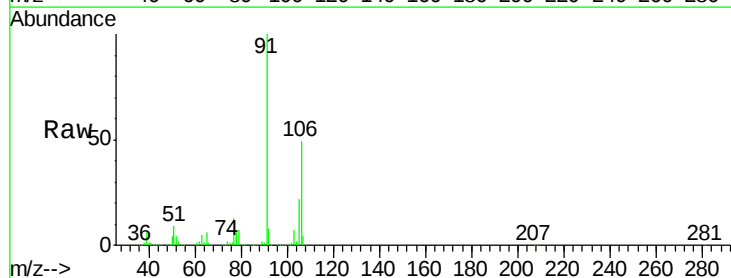
Instrument :
MSVOA_X
ClientSampleId :

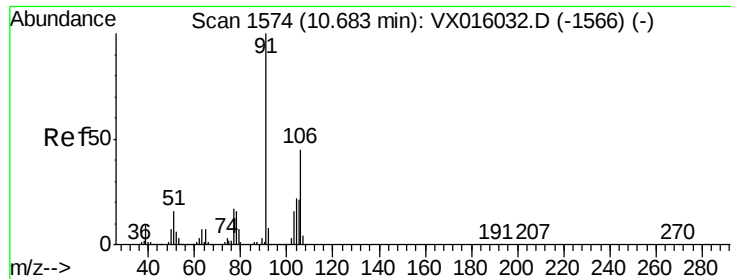
Tot Ion: 91 Resp: 677707
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7



#68
m/p-Xylenes
Concen: 107.891 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion: 106 Resp: 521862
Ion Ratio Lower Upper
106 100
91 202.5 161.7 242.5

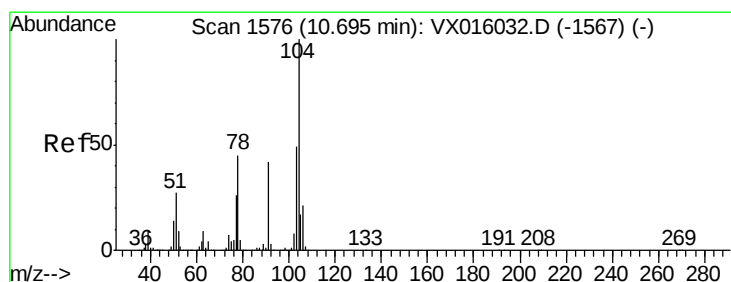
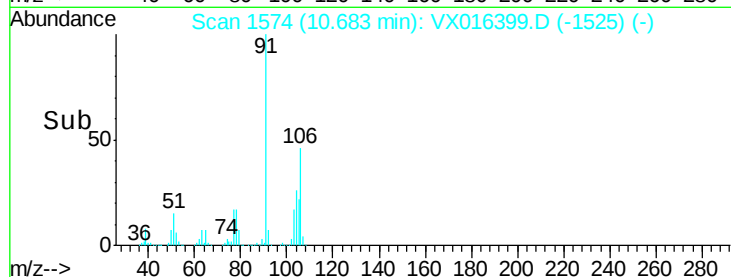
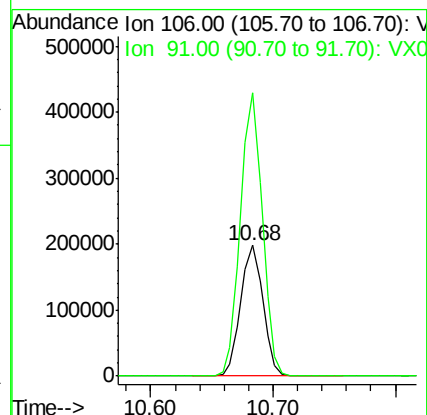
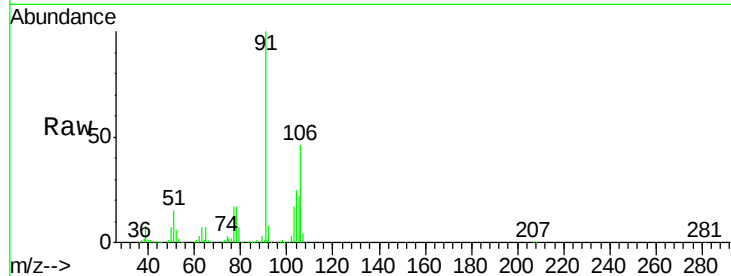




#69
o-Xylene
Concen: 53.846 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

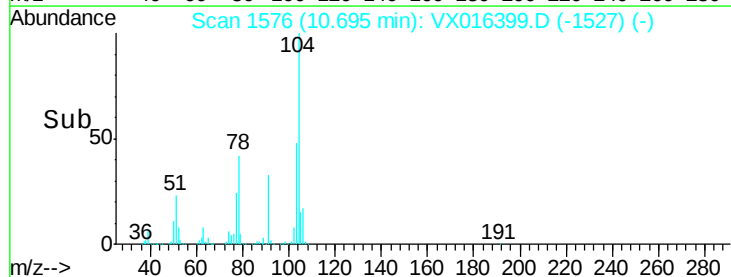
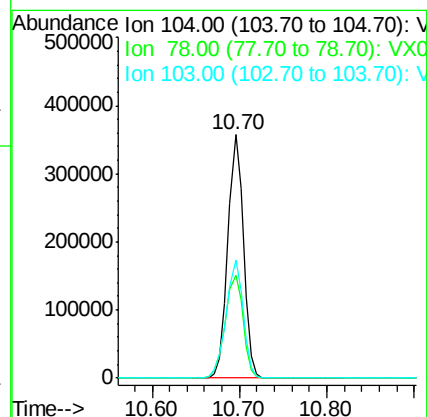
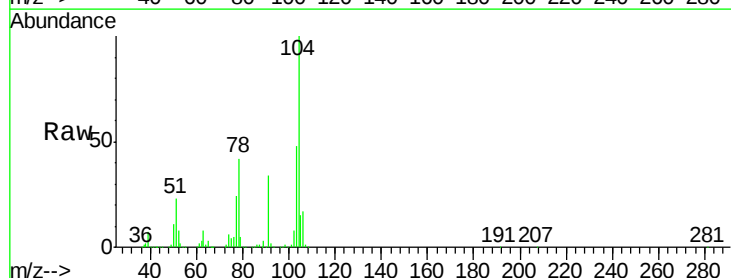
Instrument :
MSVOA_X
ClientSampleId :

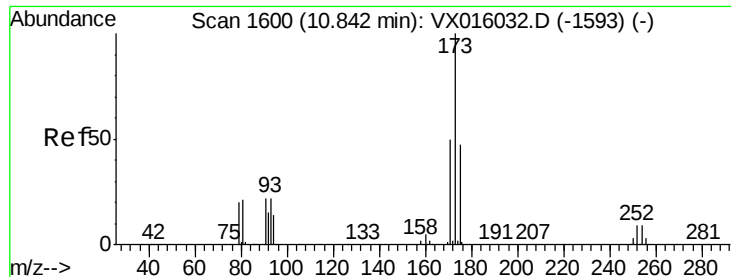
Tot Ion:106 Resp: 250355
Ion Ratio Lower Upper
106 100
91 212.2 107.5 322.6



#70
Styrene
Concen: 55.743 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion:104 Resp: 439691
Ion Ratio Lower Upper
104 100
78 48.6 40.2 60.2
103 52.9 43.0 64.6





#71

Bromoform

Concen: 56.499 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

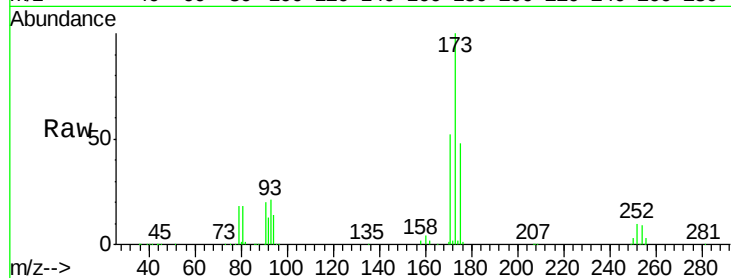
Tot Ion:173 Resp: 123103

Ion Ratio Lower Upper

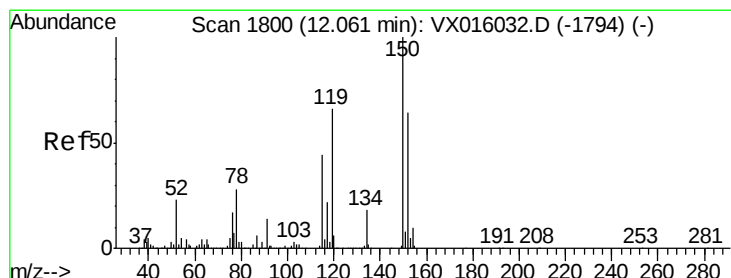
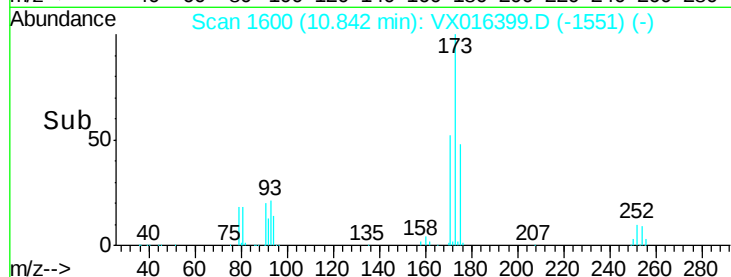
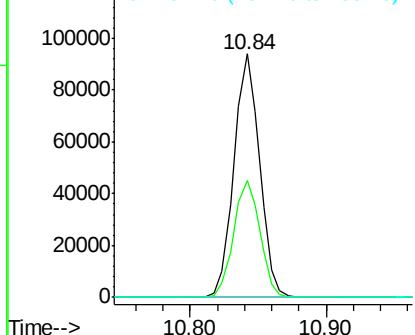
173 100

175 49.1 24.0 72.0

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: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

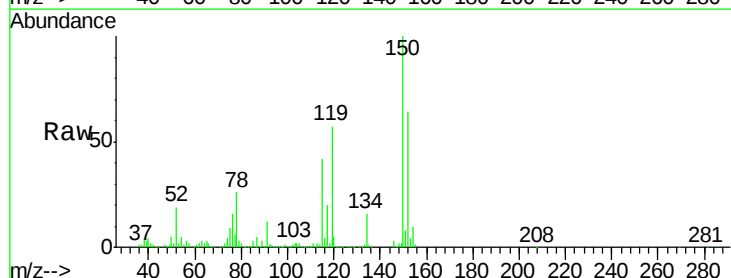
Tgt Ion:152 Resp: 178565

Ion Ratio Lower Upper

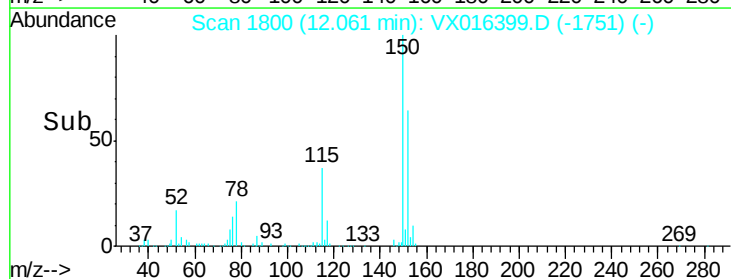
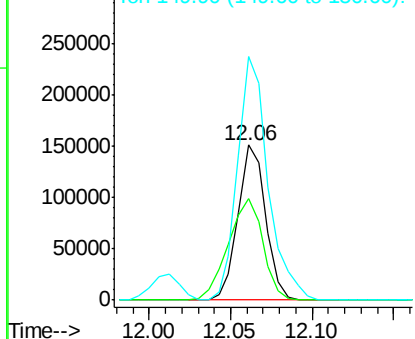
152 100

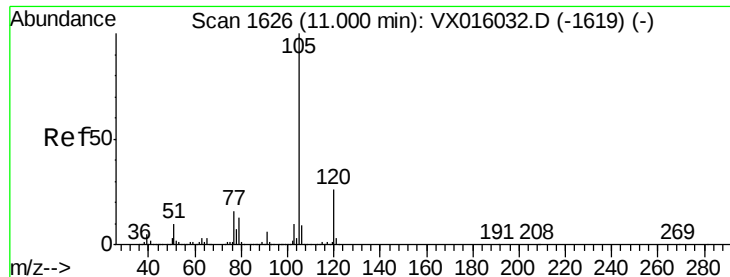
115 82.2 41.3 124.1

150 174.1 0.0 352.2



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: 51.145 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

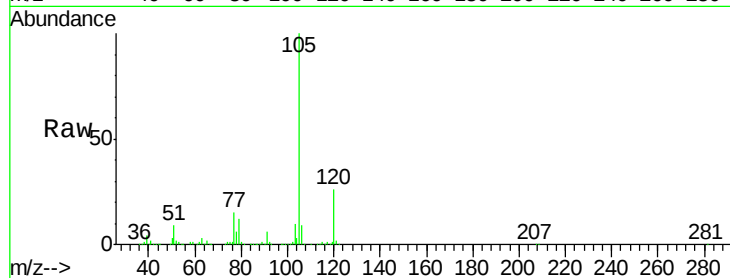
ClientSampled :

Tot Ion:105 Resp: 664261

Ion Ratio Lower Upper

105 100

120 26.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

600000

500000

400000

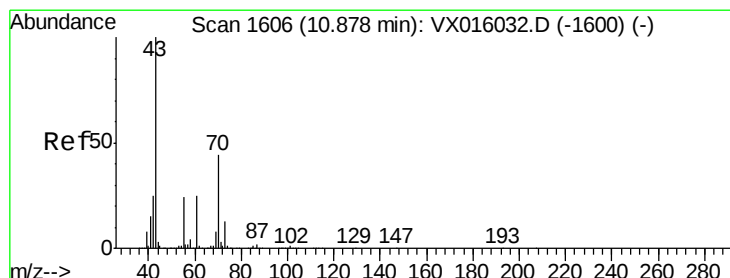
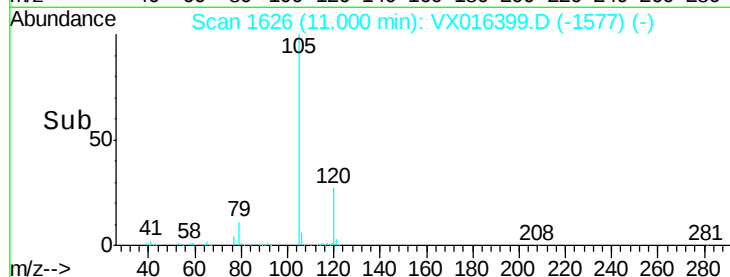
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 43.801 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Tgt Ion: 43 Resp: 265348

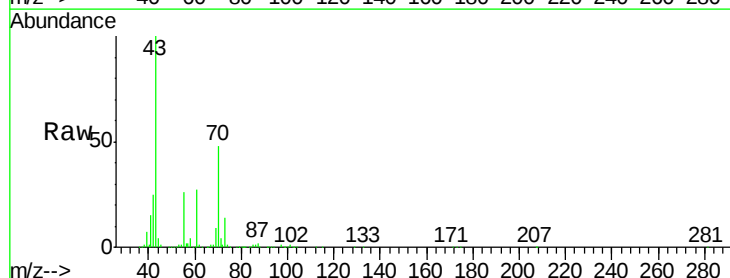
Ion Ratio Lower Upper

43 100

70 49.6 36.5 54.7

55 26.7 19.7 29.5

61 27.5 20.9 31.3



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

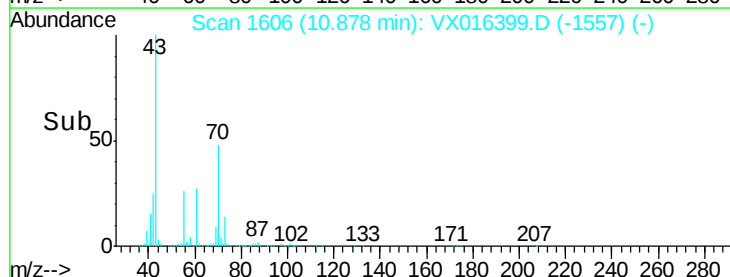
300000

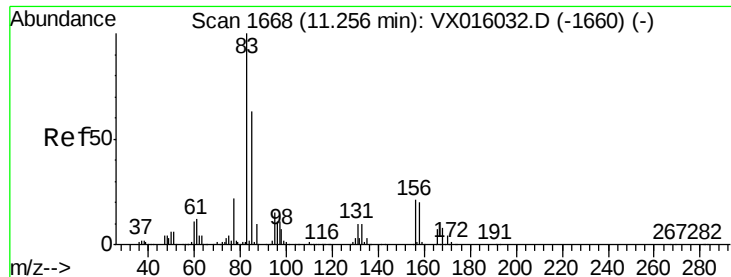
200000

100000

0

Time--> 10.80 10.85 10.90 10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 57.702 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016399.D

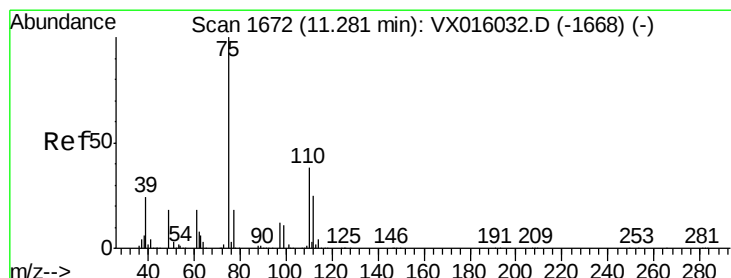
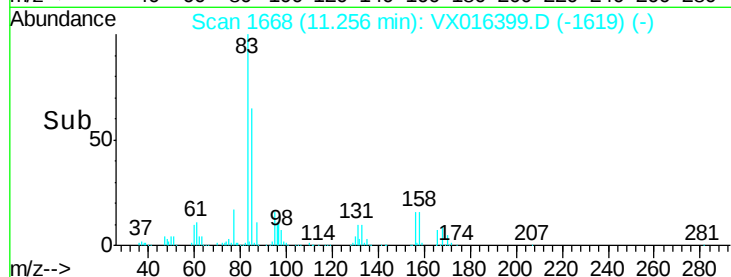
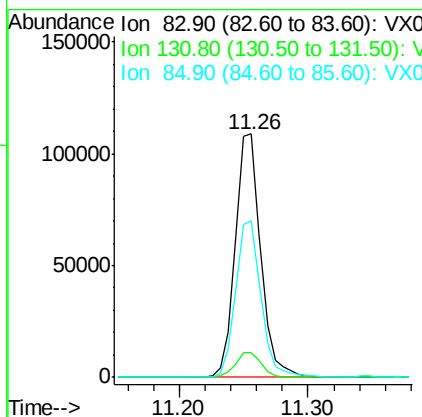
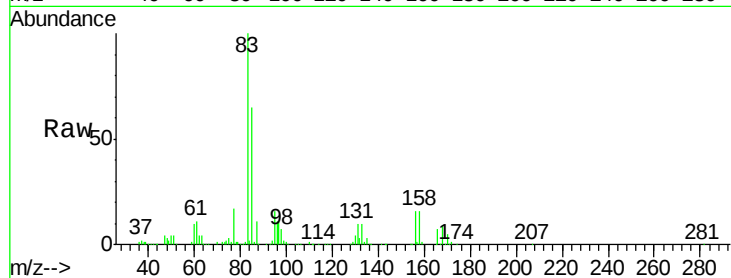
Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	83	Resp:	150099
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.4
85	64.3	32.0	96.0



#76

1,2,3-Trichloropropane

Concen: 66.133 ug/l

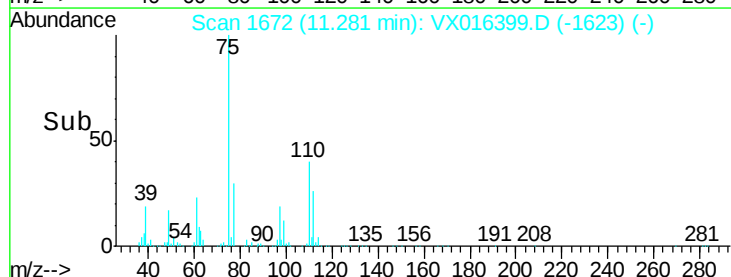
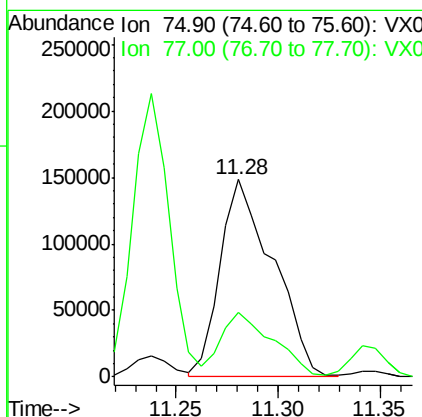
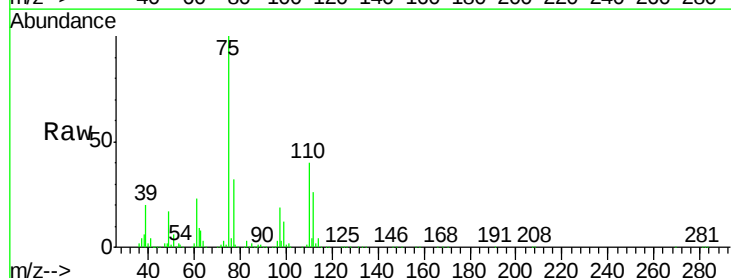
RT: 11.28 min Scan# 1672

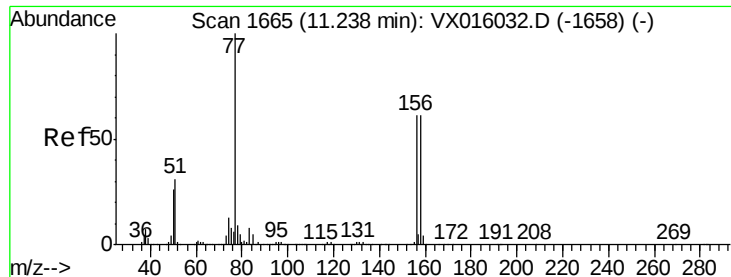
Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Tgt Ion:	75	Resp:	267975
Ion	Ratio	Lower	Upper
75	100		
77	31.7	21.2	63.6





#77

Bromobenzene

Concen: 50.092 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

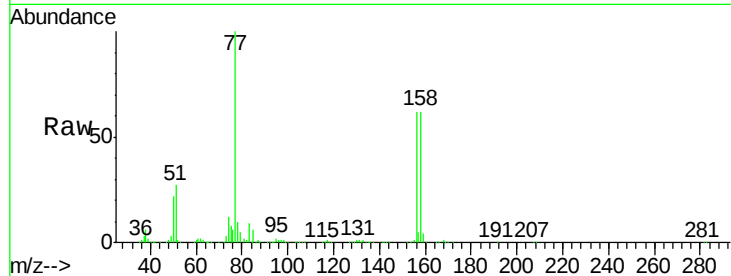
Tot Ion:156 Resp: 167925

Ion Ratio Lower Upper

156 100

77 158.8 80.1 240.3

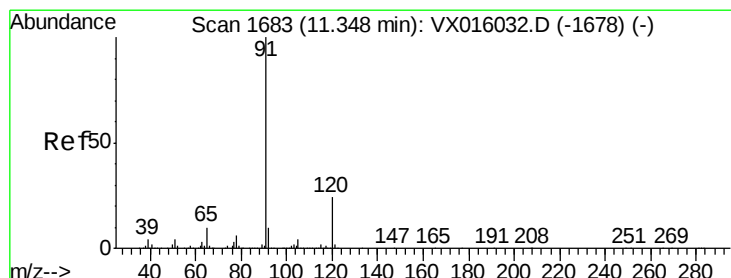
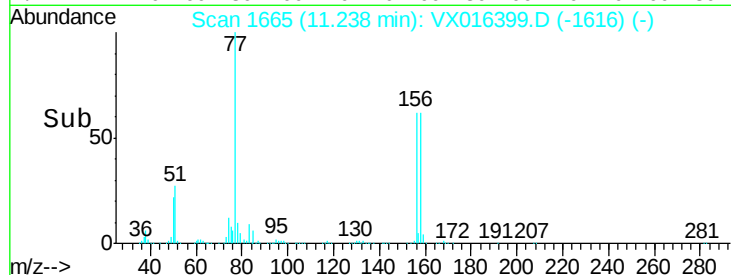
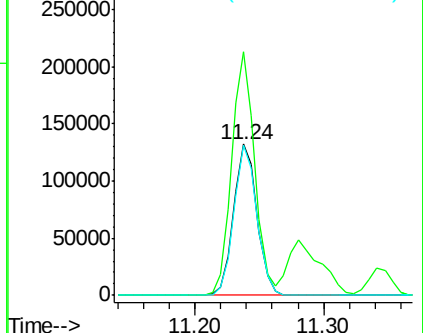
158 97.3 49.4 148.2



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: 49.471 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016399.D

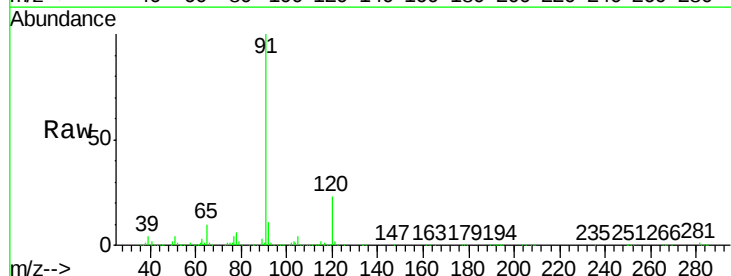
Acq: 22 May 2020 09:53

Tgt Ion: 91 Resp: 747476

Ion Ratio Lower Upper

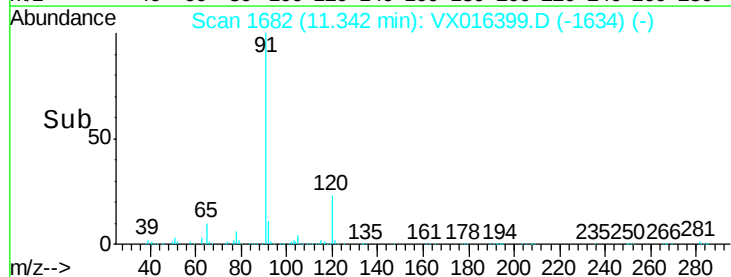
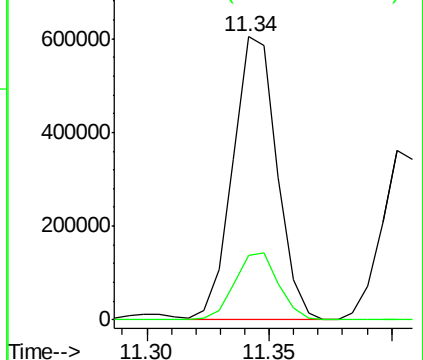
91 100

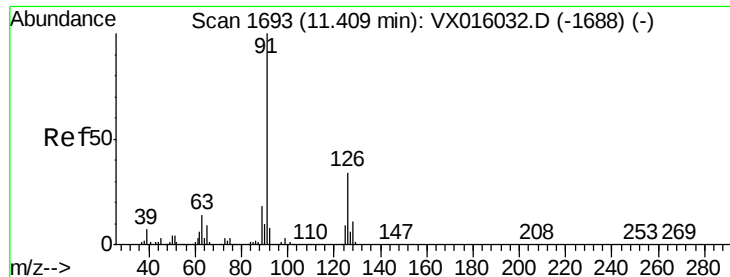
120 23.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.784 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

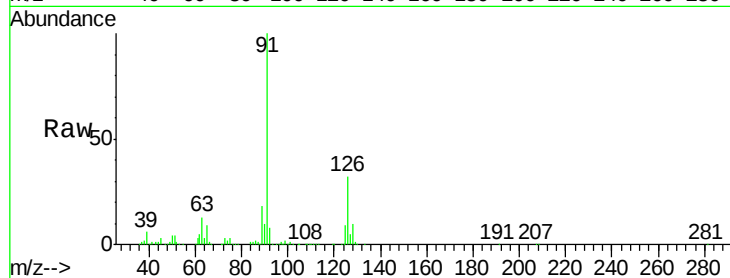
ClientSampleId :

Tot Ion: 91 Resp: 452923

Ion Ratio Lower Upper

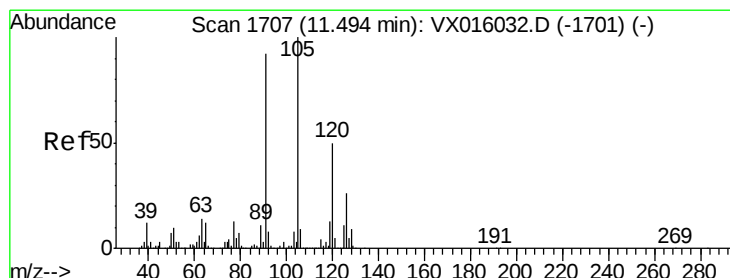
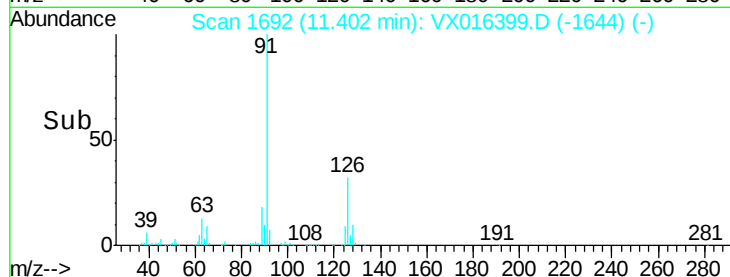
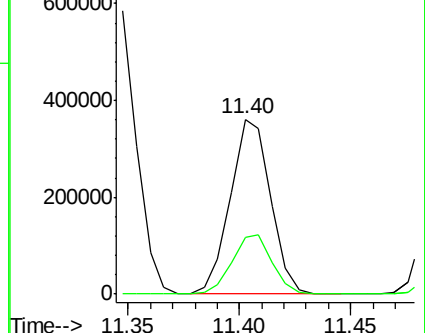
91 100

126 33.7 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.879 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX016399.D

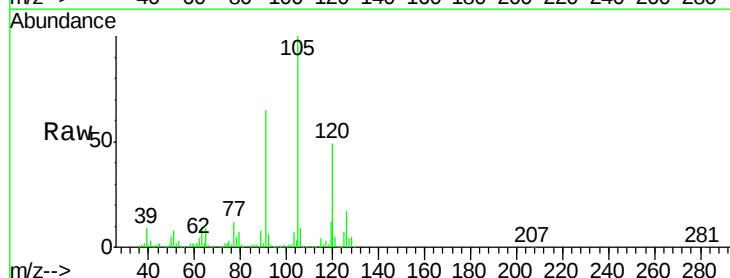
Acq: 22 May 2020 09:53

Tgt Ion:105 Resp: 568907

Ion Ratio Lower Upper

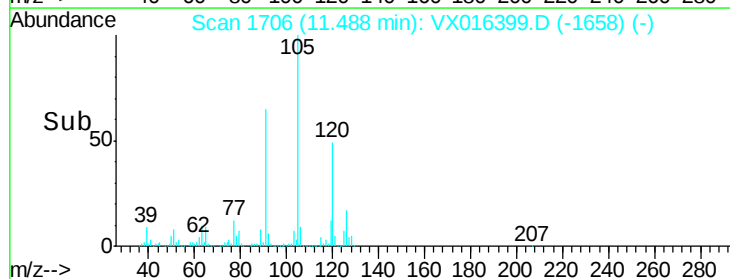
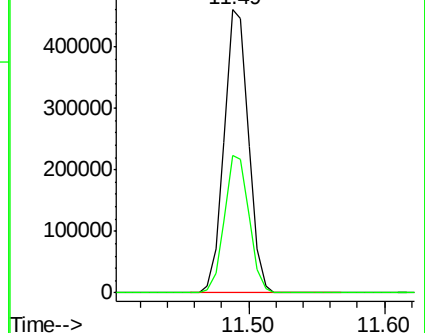
105 100

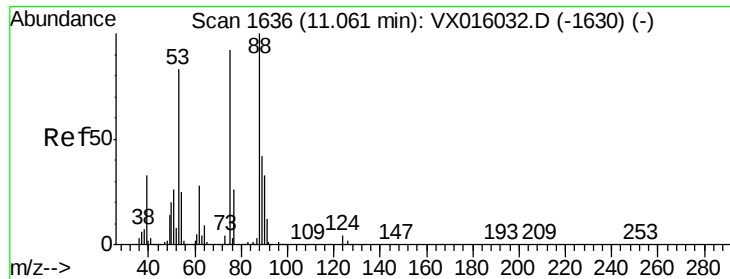
120 48.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.194 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

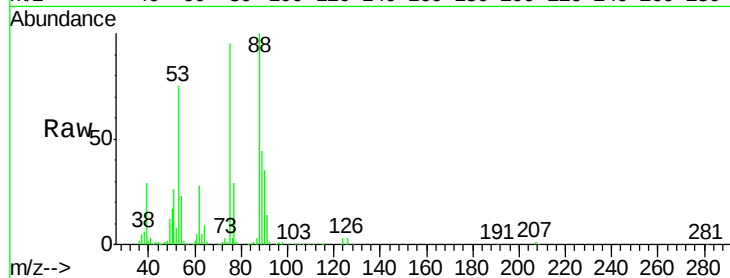
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 83647

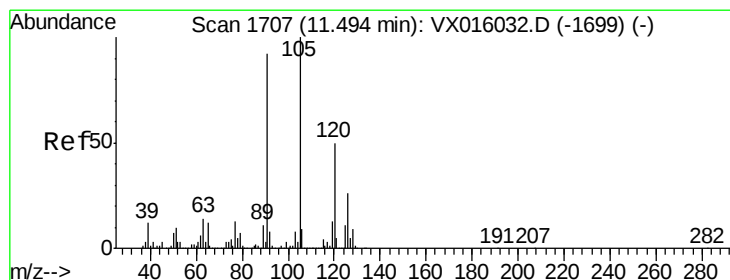
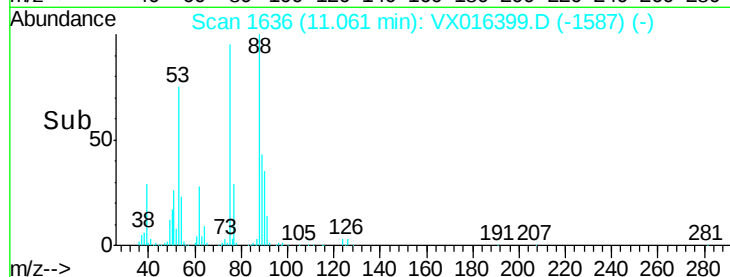
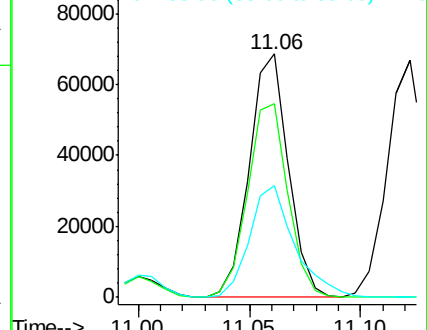
Ion	Ratio	Lower	Upper
75	100		
53	82.6	73.1	109.7
89	53.3	36.7	55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.892 ug/l

RT: 11.49 min Scan# 1707

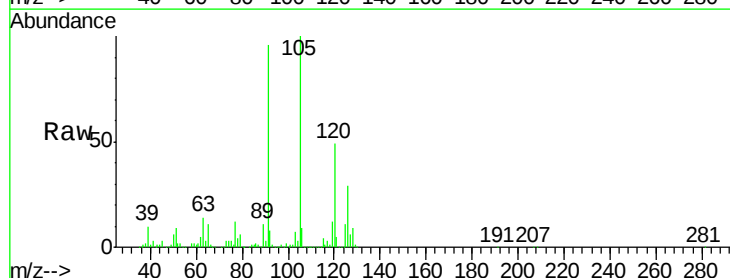
Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

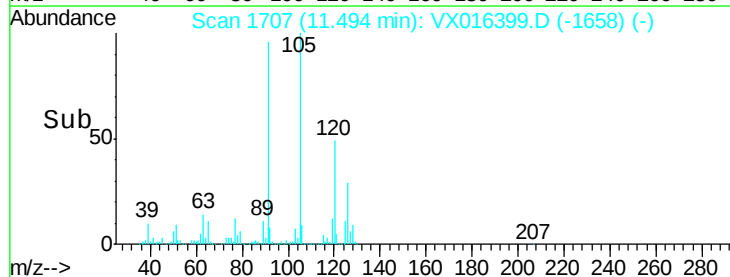
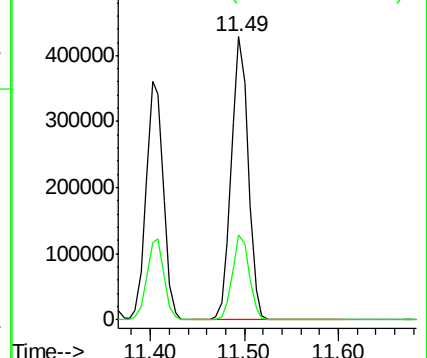
Tgt Ion: 91 Resp: 535983

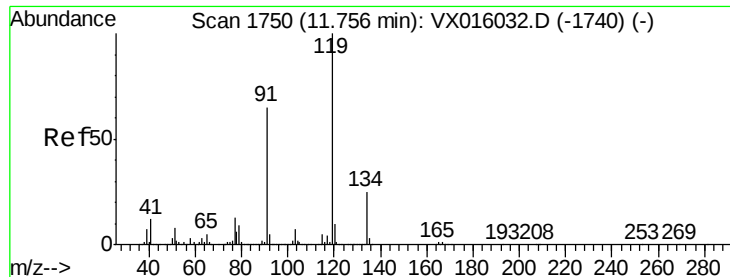
Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.8	44.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

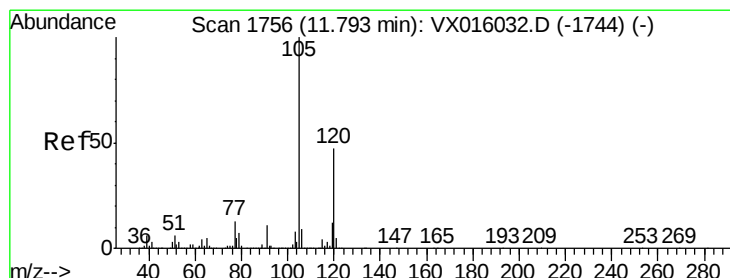
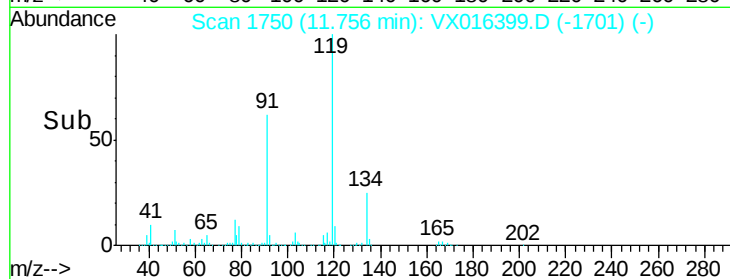
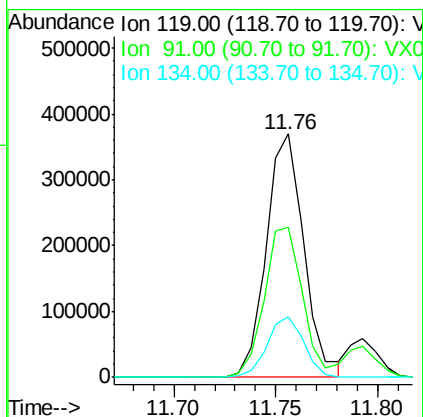
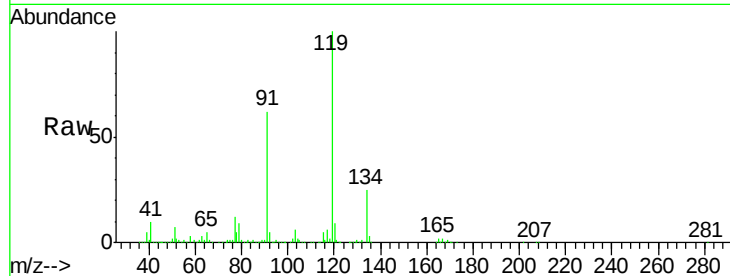




#83
tert-Butylbenzene
Concen: 50.206 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

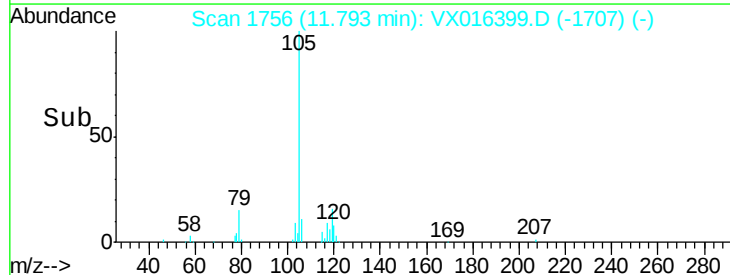
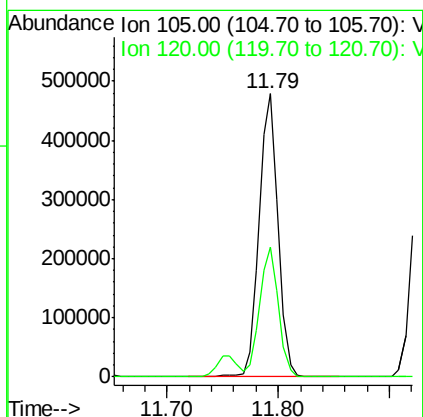
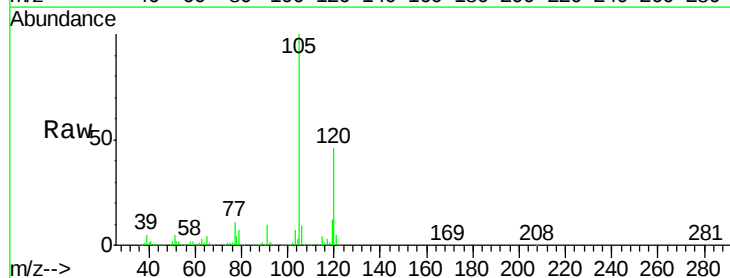
Instrument :
MSVOA_X
ClientSampleId :

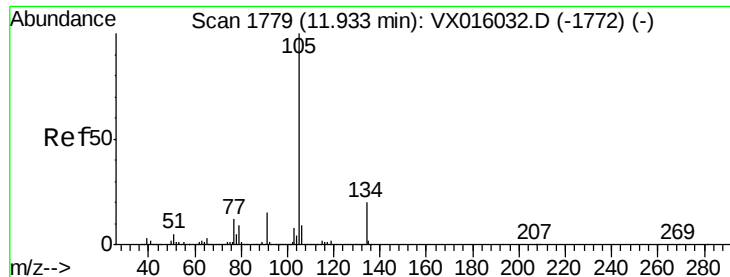
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.8	98.4
134	24.2	12.4	37.0



#84
1,2,4-Trimethylbenzene
Concen: 51.385 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.0	69.0





#85

sec-Butylbenzene

Concen: 46.934 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

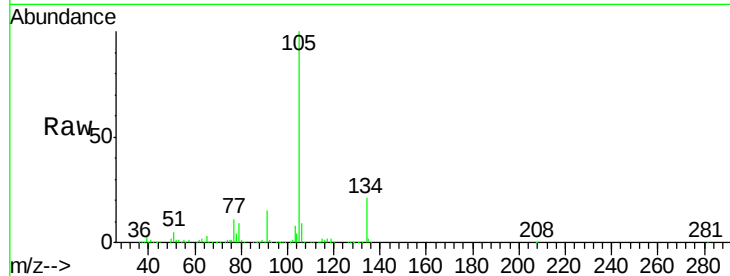
ClientSampleId :

Tot Ion:105 Resp: 598871

Ion Ratio Lower Upper

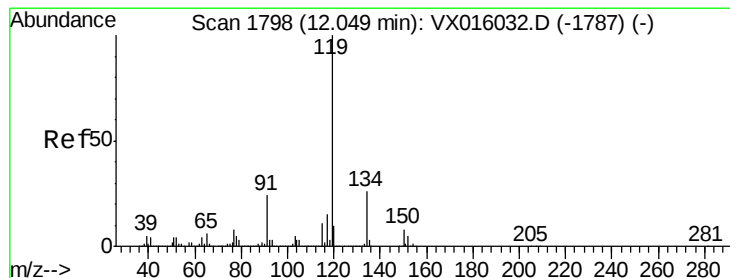
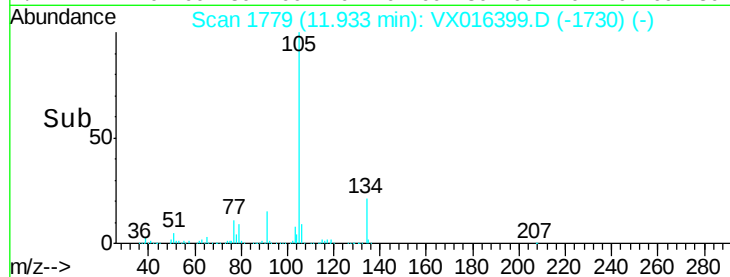
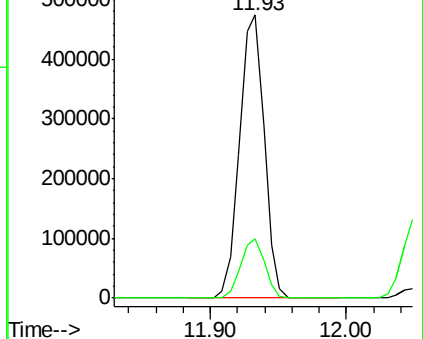
105 100

134 20.5 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.292 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

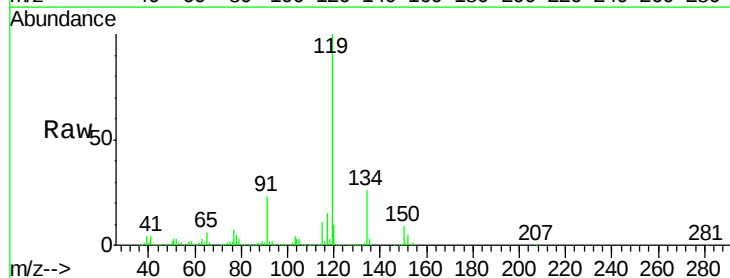
Tgt Ion:119 Resp: 572110

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

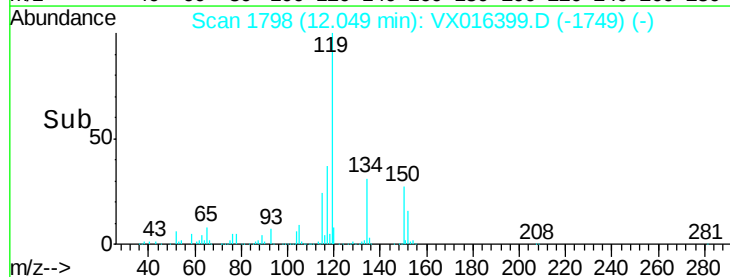
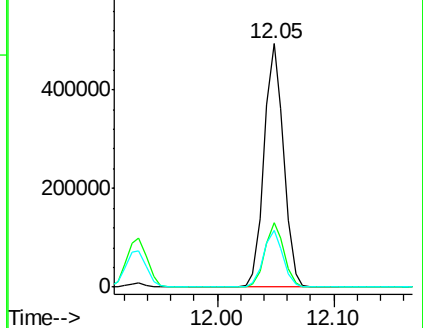
91 23.2 11.8 35.4

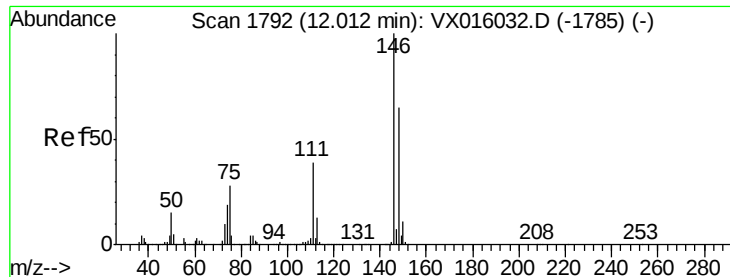


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

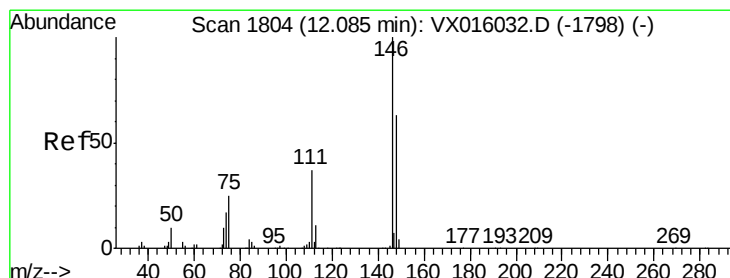
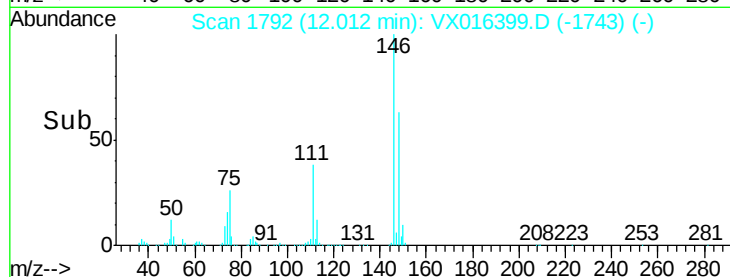
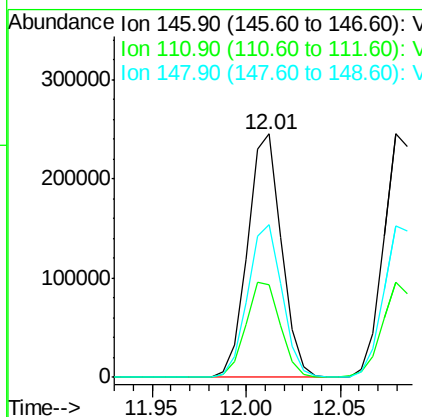
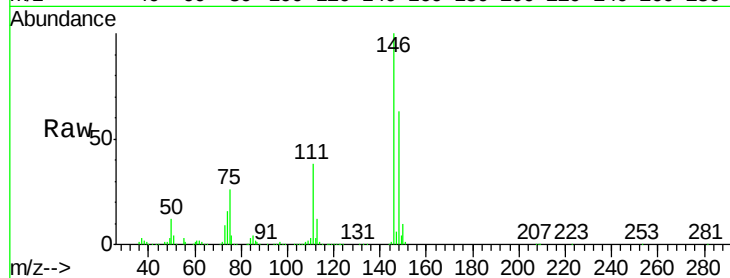




#87
 1,3-Dichlorobenzene
 Concen: 50.704 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

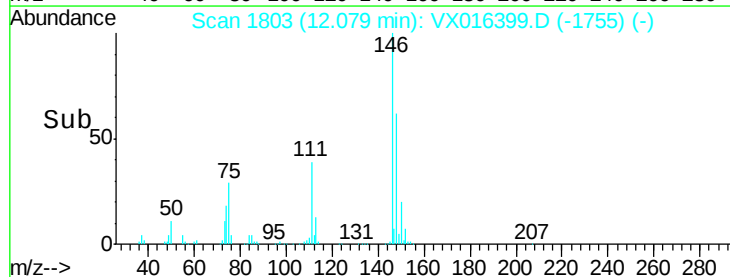
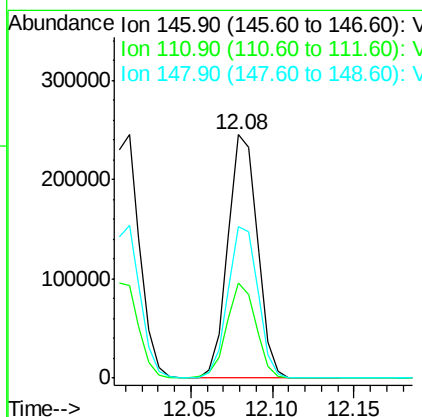
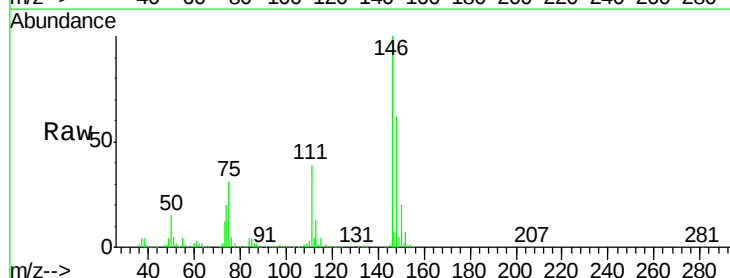
Instrument :
 MSVOA_X
 ClientSampleId :

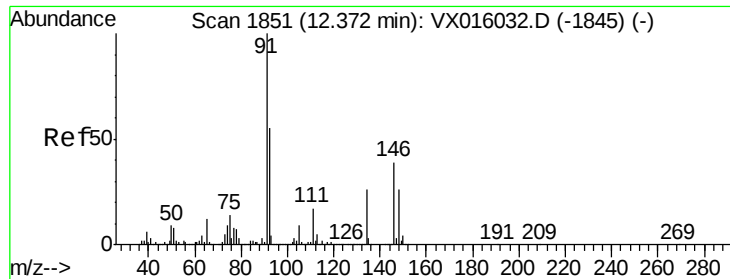
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	63.3	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 50.471 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.7
148	63.3	31.8	95.3

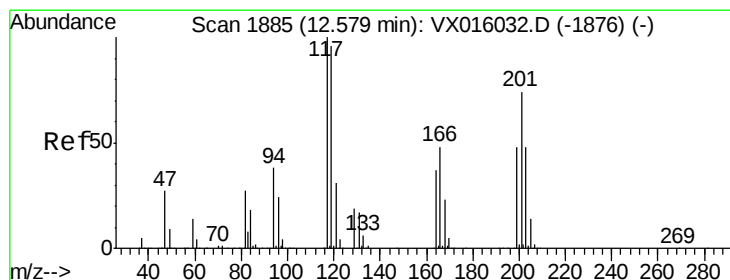
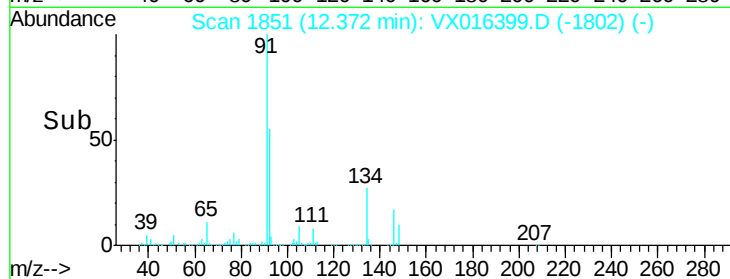
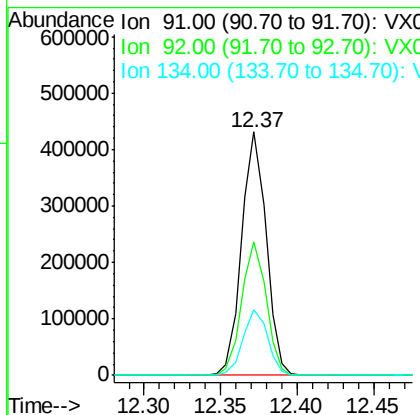
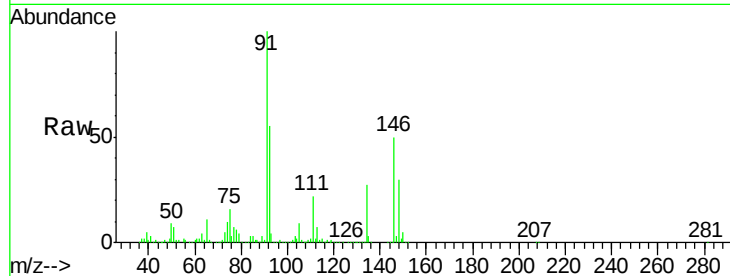




#89
n-Butylbenzene
Concen: 44.391 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

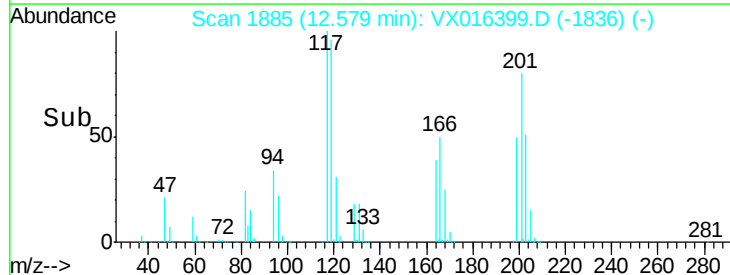
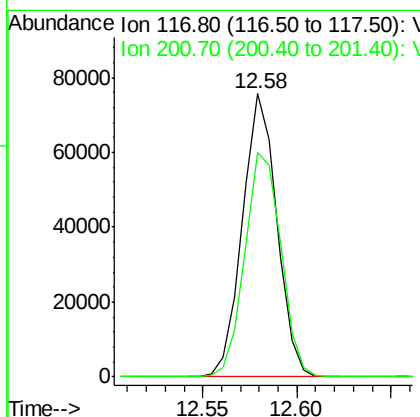
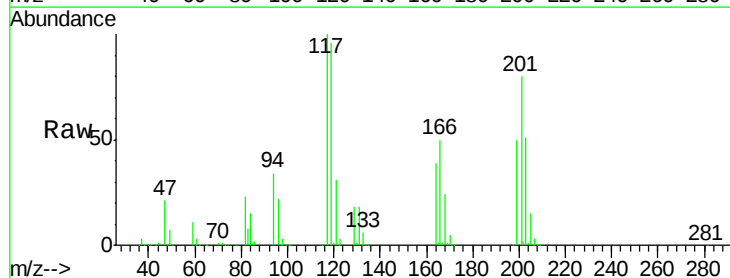
Instrument :
MSVOA_X
ClientSampleId :

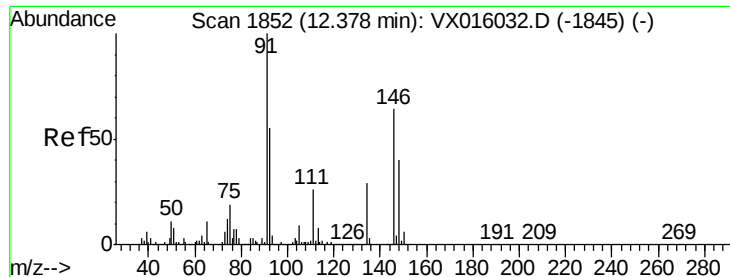
Tot Ion: 91 Resp: 480432
Ion Ratio Lower Upper
91 100
92 55.0 27.6 82.7
134 27.3 13.4 40.1



#90
Hexachloroethane
Concen: 47.080 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016399.D
Acq: 22 May 2020 09:53

Tgt Ion: 117 Resp: 95789
Ion Ratio Lower Upper
117 100
201 83.4 39.8 119.3





#91

1,2-Dichlorobenzene

Concen: 50.252 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

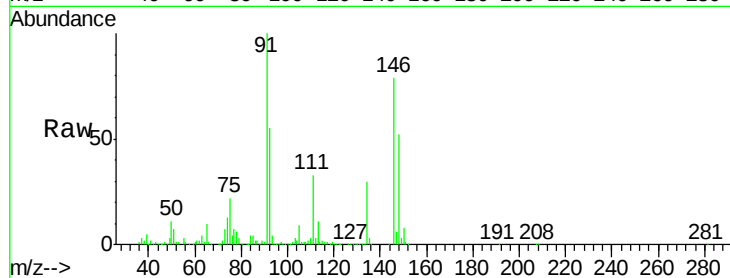
Tot Ion:146 Resp: 291262

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.1

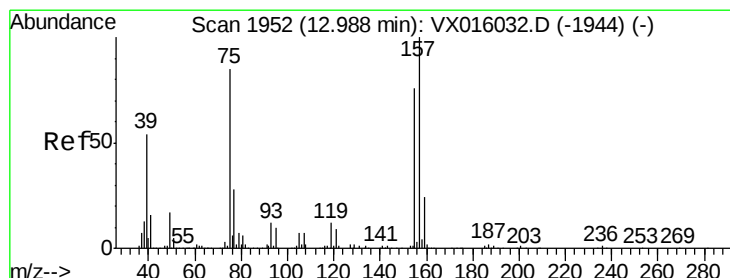
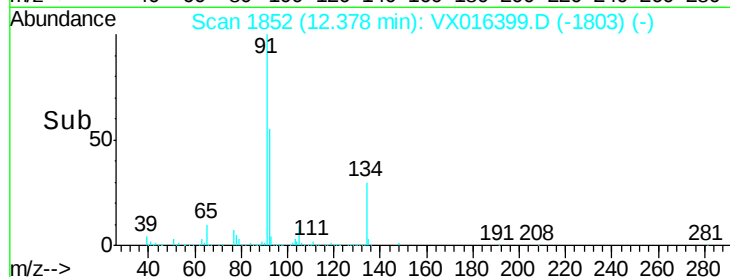
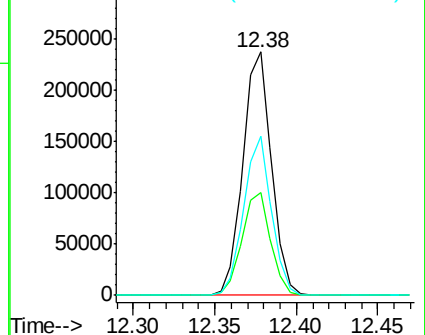
148 63.6 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.760 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

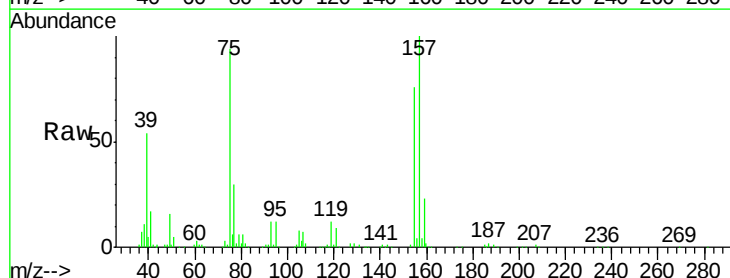
Tgt Ion: 75 Resp: 48869

Ion Ratio Lower Upper

75 100

155 89.6 42.5 127.5

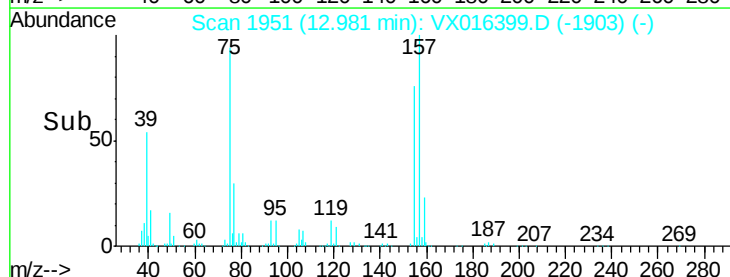
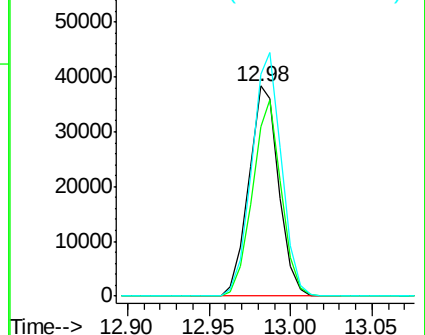
157 115.3 55.3 165.8

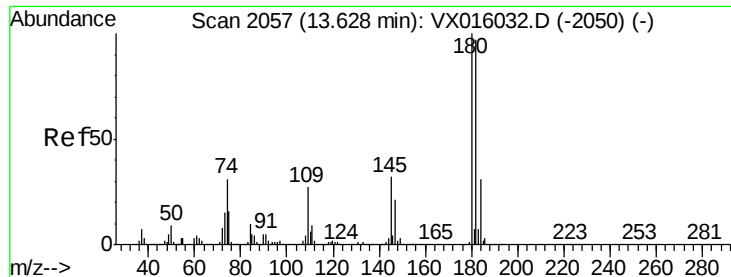


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

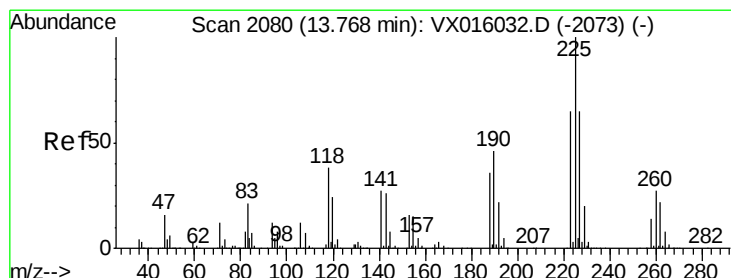
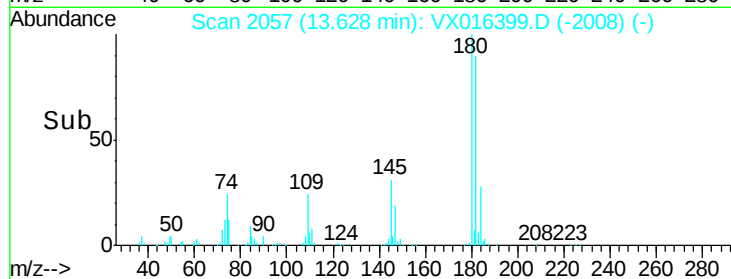
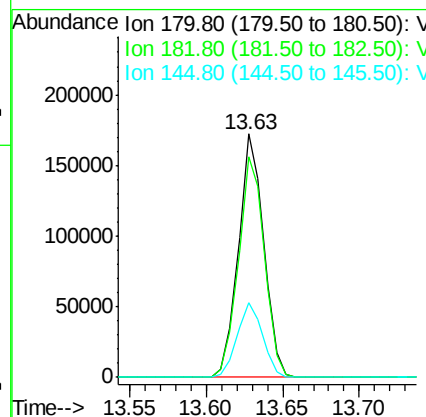
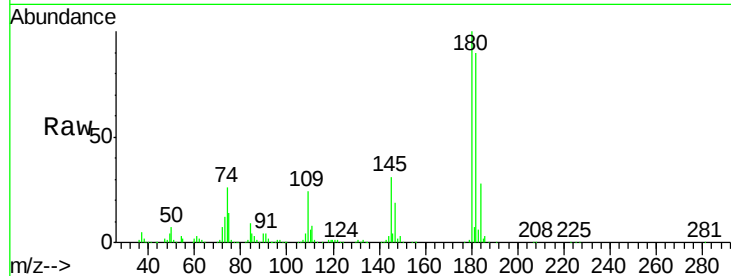




#93
 1,2,4-Trichlorobenzene
 Concen: 45.926 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

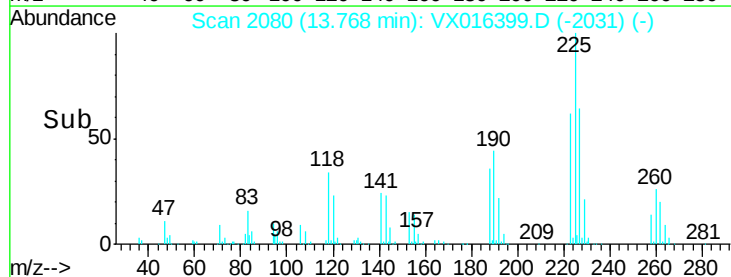
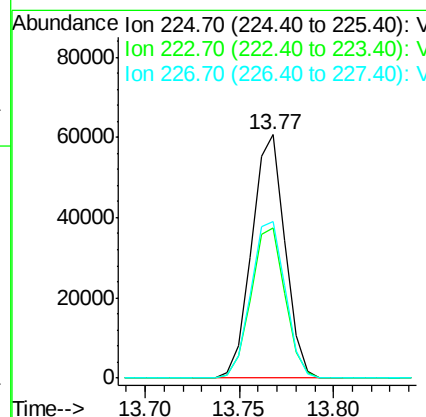
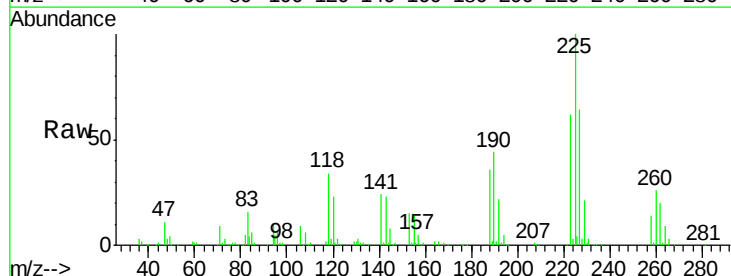
Instrument :
 MSVOA_X
 ClientSampleId :

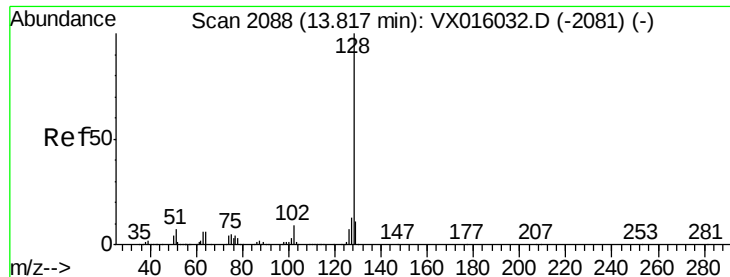
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.7	146.1
145	30.9	15.7	47.1



#94
 Hexachlorobutadiene
 Concen: 40.203 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016399.D
 Acq: 22 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.3	96.9
227	66.7	31.8	95.4





#95

Naphthalene

Concen: 47.727 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

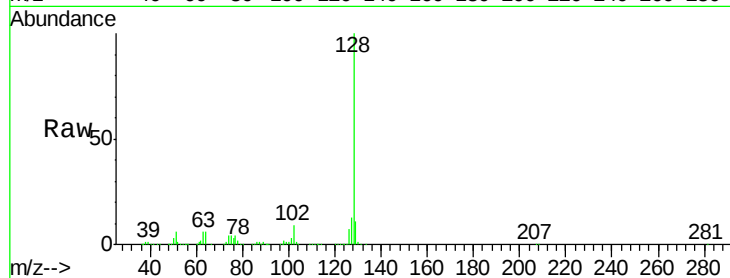
Tot Ion:128 Resp: 663154

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

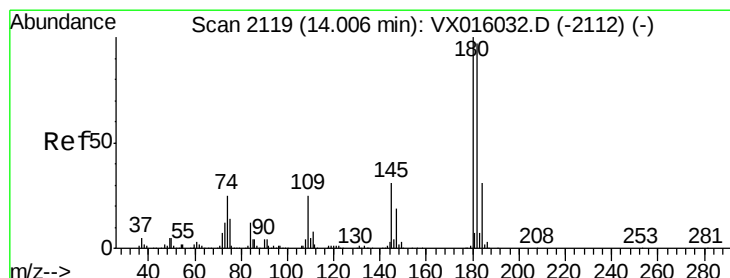
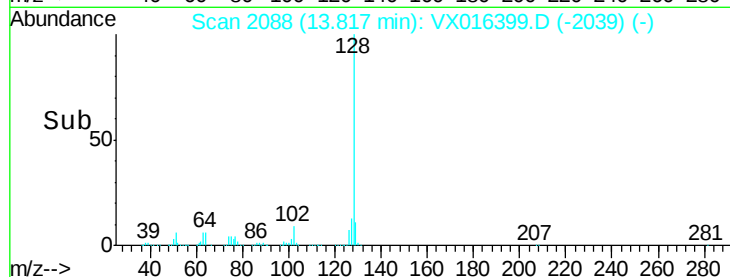
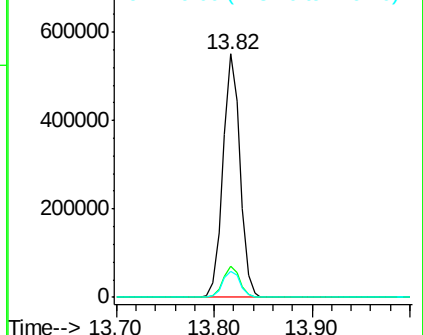
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.548 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016399.D

Acq: 22 May 2020 09:53

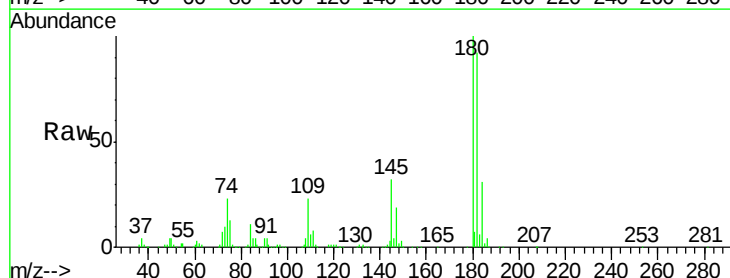
Tgt Ion:180 Resp: 191015

Ion Ratio Lower Upper

180 100

182 93.8 48.4 145.0

145 32.1 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

