

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
 Data File : VX016559.D
 Acq On : 03 Jun 2020 11:39
 Operator : JC/SP
 Sample : VX0603WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 08:22:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	285820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	433916	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	399156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	190754	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	164213	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
35) Dibromofluoromethane	5.47	113	130178	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.70	98	512528	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.12	95	190487	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	50552	17.972	ug/l	98
3) Chloromethane	1.31	50	58047	17.077	ug/l	100
4) Vinyl Chloride	1.39	62	60765	16.904	ug/l	100
5) Bromomethane	1.63	94	38439	21.993	ug/l	97
6) Chloroethane	1.72	64	37168	17.725	ug/l	100
7) Trichlorofluoromethane	1.92	101	86689	18.363	ug/l	98
8) Diethyl Ether	2.17	74	34657	17.606	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	48286	18.584	ug/l	100
10) Methyl Iodide	2.49	142	45548	16.832	ug/l	99
11) Tert butyl alcohol	3.00	59	66304	72.845	ug/l	99
12) 1,1-Dichloroethene	2.36	96	49481	17.992	ug/l	97
13) Acrolein	2.27	56	42335	109.339	ug/l	98
14) Allyl chloride	2.71	41	85150	16.835	ug/l	98
15) Acrylonitrile	3.11	53	152336	81.703	ug/l	99
16) Acetone	2.42	43	130764	84.086	ug/l	99
17) Carbon Disulfide	2.55	76	135778	16.625	ug/l	100
18) Methyl Acetate	2.75	43	68917	17.279	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	175314	17.752	ug/l	96
20) Methylene Chloride	2.83	84	56263	17.487	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	53665	17.641	ug/l	93
22) Diisopropyl ether	3.82	45	166655	17.152	ug/l	90
23) Vinyl Acetate	3.78	43	717901	84.413	ug/l	100
24) 1,1-Dichloroethane	3.67	63	95894	17.486	ug/l	100
25) 2-Butanone	4.63	43	204990	77.792	ug/l	98
26) 2,2-Dichloropropane	4.55	77	88579	19.739	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	61637	17.514	ug/l	99
28) Bromochloromethane	4.98	49	45401	17.815	ug/l	93
29) Tetrahydrofuran	5.09	42	133571	78.461	ug/l	96
30) Chloroform	5.17	83	97160	17.583	ug/l	95
31) Cyclohexane	5.54	56	82618	16.746	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	88936	17.778	ug/l	100
36) 1,1-Dichloropropene	5.76	75	73680	17.934	ug/l	97
37) Ethyl Acetate	4.79	43	80050	16.229	ug/l	98
38) Carbon Tetrachloride	5.76	117	79481	18.409	ug/l	99

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Instrument :
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 ClientSampleId :

Quant Time: Jun 04 08:22:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	82816	18.559	ug/l	98
40) Benzene	6.11	78	222289	18.169	ug/l	99
41) Methacrylonitrile	5.00	41	43798	16.166	ug/l	97
42) 1,2-Dichloroethane	6.16	62	77196	17.742	ug/l	98
43) Isopropyl Acetate	6.41	43	126855	16.488	ug/l	98
44) Trichloroethene	7.19	130	69821	17.987	ug/l	99
45) 1,2-Dichloropropane	7.49	63	56796	18.235	ug/l	94
46) Dibromomethane	7.63	93	36859	17.619	ug/l	98
47) Bromodichloromethane	7.87	83	77469	17.884	ug/l	99
48) Methyl methacrylate	7.74	41	60519	16.429	ug/l	97
49) 1,4-Dioxane	7.71	88	25471	295.456	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	400764	83.657	ug/l	98
52) Toluene	8.76	92	141808	18.381	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	88636	17.995	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	96639	18.536	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	56489	18.415	ug/l	96
56) Ethyl methacrylate	9.16	69	89325	17.880	ug/l	97
57) 1,3-Dichloropropane	9.35	76	95780	18.191	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	234461	89.914	ug/l	99
59) 2-Hexanone	9.47	43	308355	82.770	ug/l	99
60) Dibromochloromethane	9.56	129	64066	18.559	ug/l	99
61) 1,2-Dibromoethane	9.65	107	59066	17.981	ug/l	99
64) Tetrachloroethene	9.32	164	81554	18.262	ug/l	99
65) Chlorobenzene	10.12	112	150283	18.468	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	58019	18.677	ug/l	100
67) Ethyl Benzene	10.23	91	263457	18.184	ug/l	100
68) m/p-Xylenes	10.34	106	200728	37.366	ug/l	98
69) o-Xylene	10.68	106	95371	18.332	ug/l	99
70) Styrene	10.70	104	163970	18.336	ug/l	99
71) Bromoform	10.84	173	46632	17.762	ug/l #	99
73) Isopropylbenzene	11.00	105	257264	19.465	ug/l	100
74) N-amyl acetate	10.88	43	105703	17.387	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	61044	18.429	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	100868	24.057	ug/l	83
77) Bromobenzene	11.24	156	65456	18.882	ug/l	97
78) n-propylbenzene	11.34	91	284701	19.281	ug/l	100
79) 2-Chlorotoluene	11.40	91	171426	19.019	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	214369	19.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	30472	17.877	ug/l	97
82) 4-Chlorotoluene	11.49	91	203178	19.089	ug/l	100
83) tert-Butylbenzene	11.76	119	186125	19.738	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	217398	19.479	ug/l	100
85) sec-Butylbenzene	11.93	105	233195	19.713	ug/l	100
86) p-Isopropyltoluene	12.05	119	222184	20.051	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	113937	18.971	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	115674	18.832	ug/l	99
89) n-Butylbenzene	12.37	91	177707	19.254	ug/l	98
90) Hexachloroethane	12.58	117	35534	18.565	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	109492	18.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18212	16.974	ug/l	99

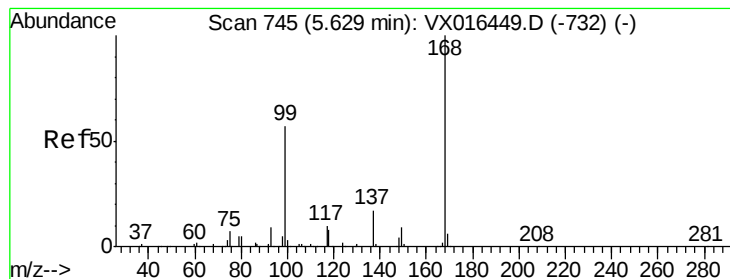
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	76314	19.748	ug/l	98
94) Hexachlorobutadiene	13.77	225	34869	22.982	ug/l	98
95) Naphthalene	13.82	128	238313	17.989	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	75526	19.949	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

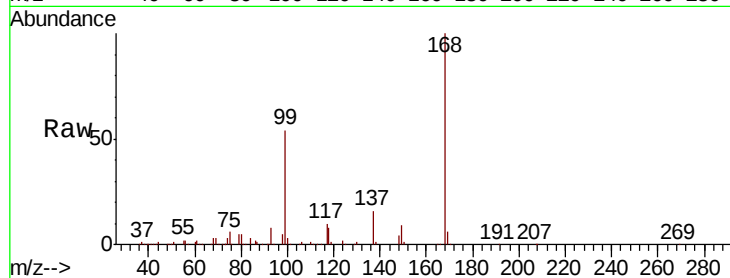
ClientSampleId :

Tot Ion:168 Resp: 285820

Ion Ratio Lower Upper

168 100

99 54.0 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

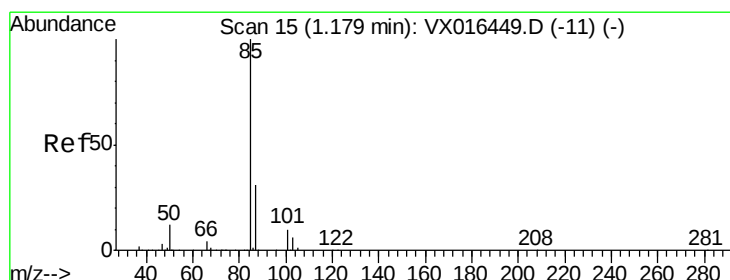
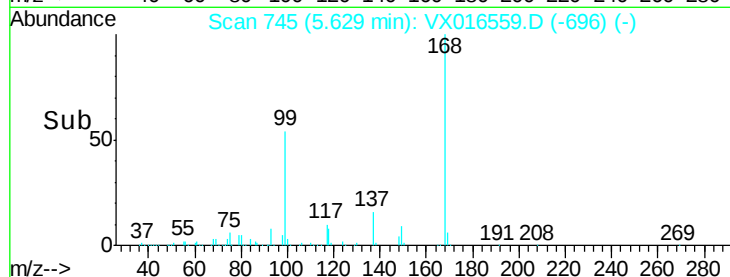
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.972 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.01 min

Lab File: VX016559.D

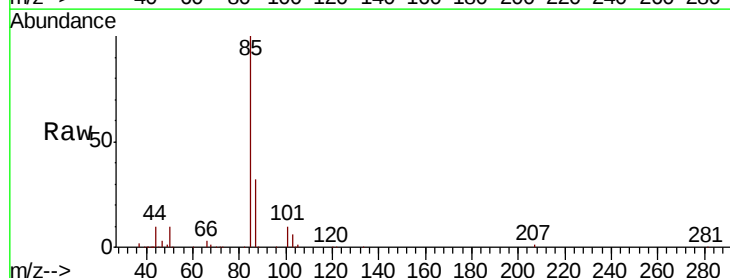
Acq: 03 Jun 2020 11:39

Tgt Ion: 85 Resp: 50552

Ion Ratio Lower Upper

85 100

87 32.0 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

60000

50000

40000

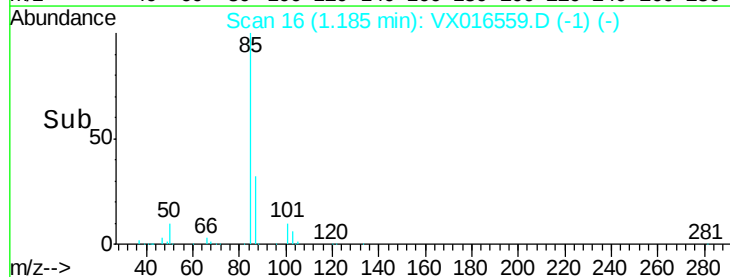
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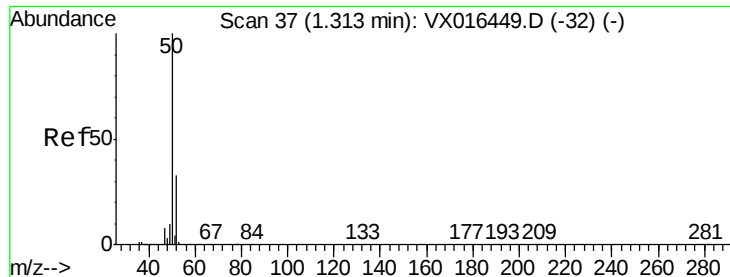
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.077 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

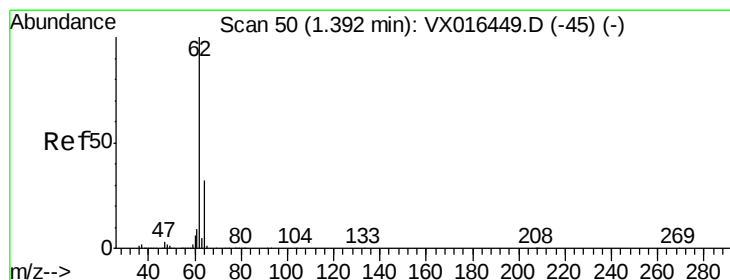
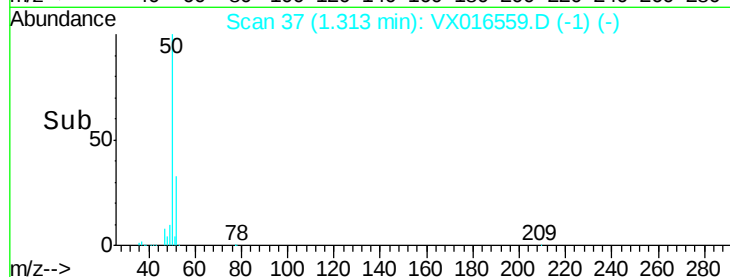
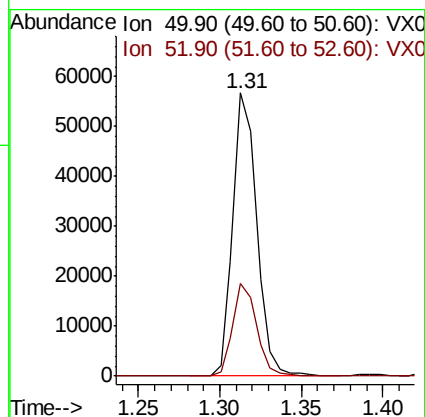
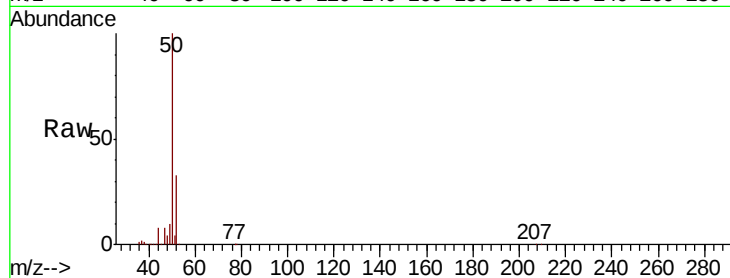
ClientSampleId :

Tot Ion: 50 Resp: 58047

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.2



#4

Vinyl Chloride

Concen: 16.904 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016559.D

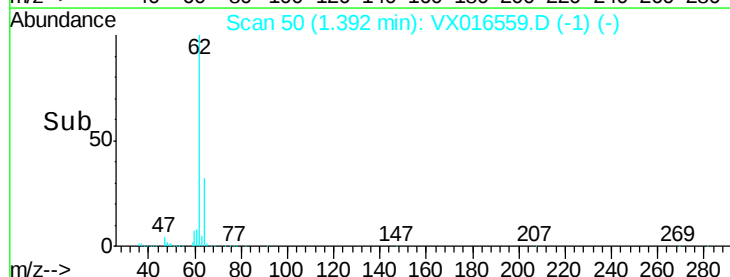
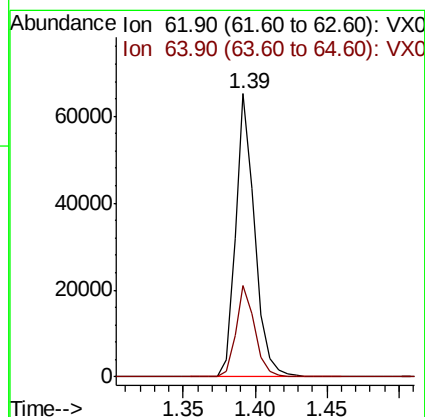
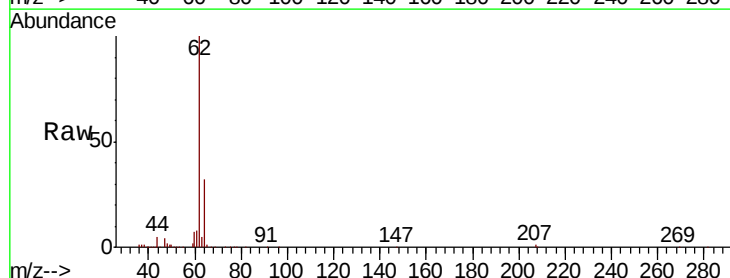
Acq: 03 Jun 2020 11:39

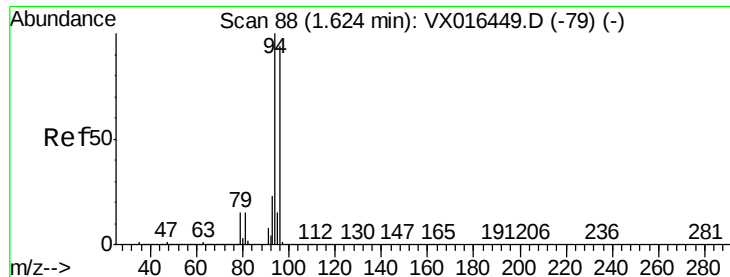
Tgt Ion: 62 Resp: 60765

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9





#5

Bromomethane

Concen: 21.993 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

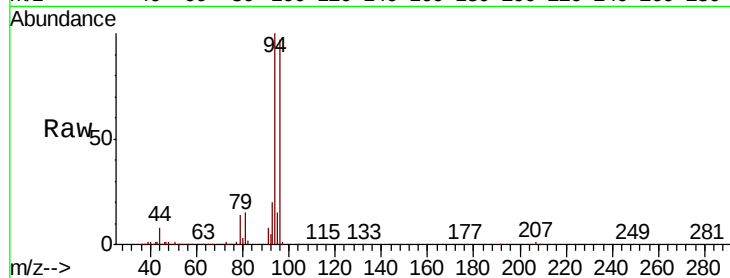
ClientSampleId :

Tot Ion: 94 Resp: 38439

Ion Ratio Lower Upper

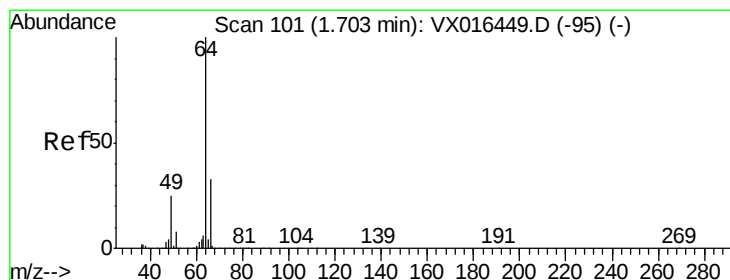
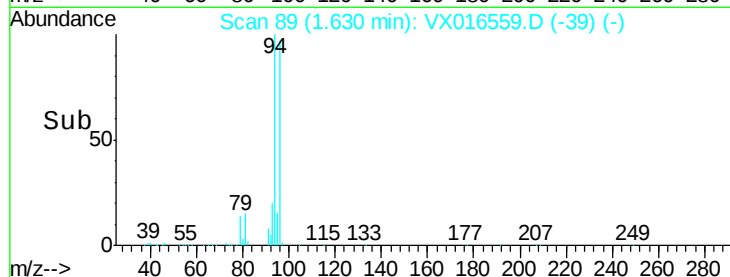
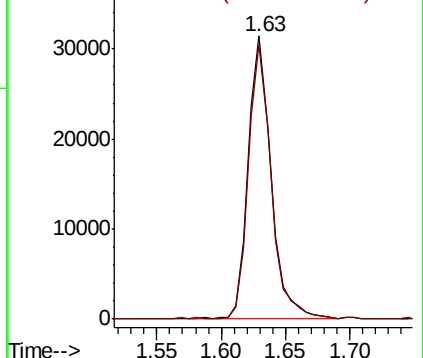
94 100

96 96.9 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.725 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016559.D

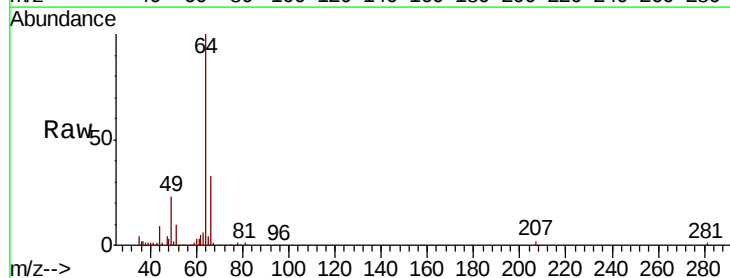
Acq: 03 Jun 2020 11:39

Tgt Ion: 64 Resp: 37168

Ion Ratio Lower Upper

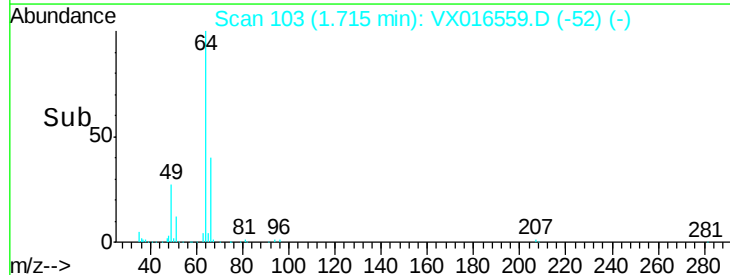
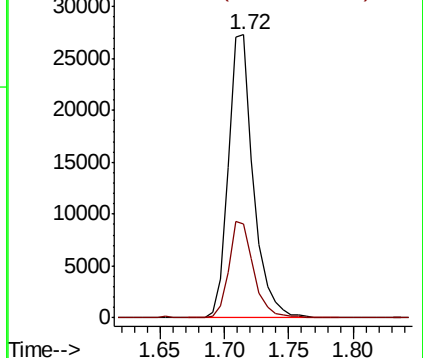
64 100

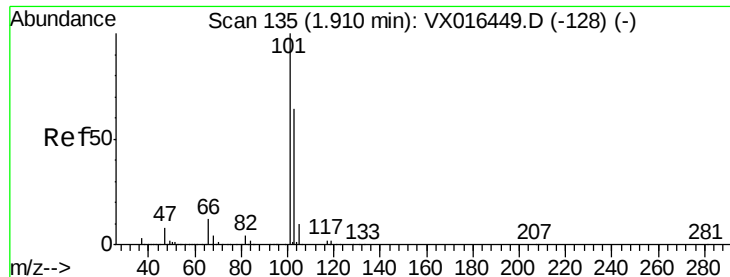
66 33.2 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



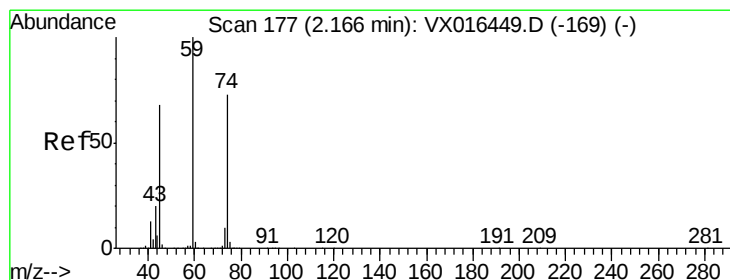
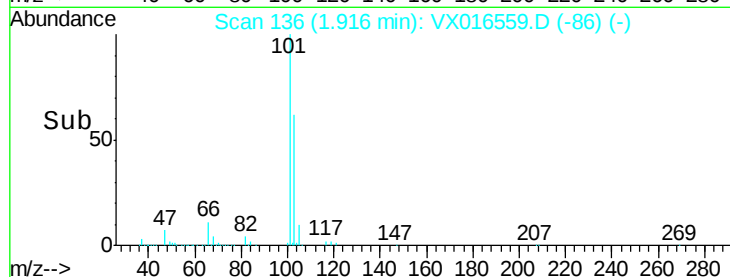
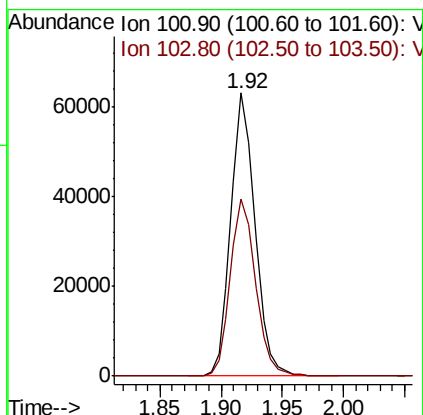
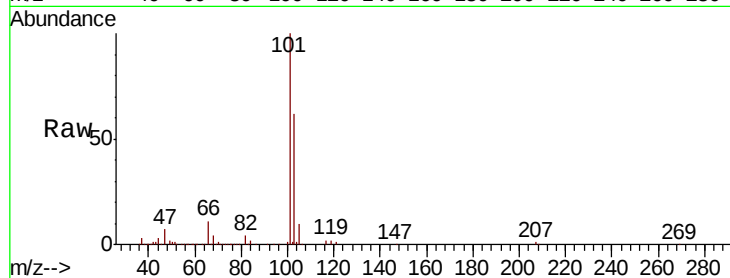


#7

Trichlorofluoromethane
Concen: 18.363 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :

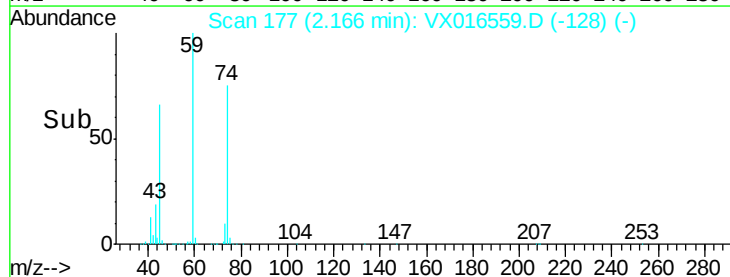
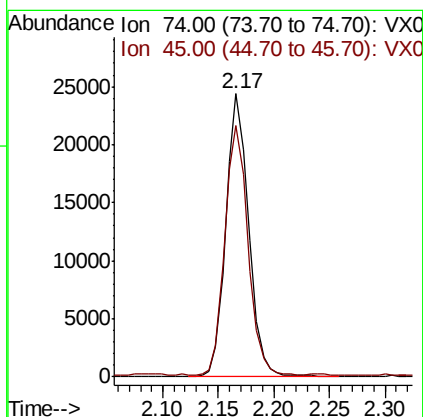
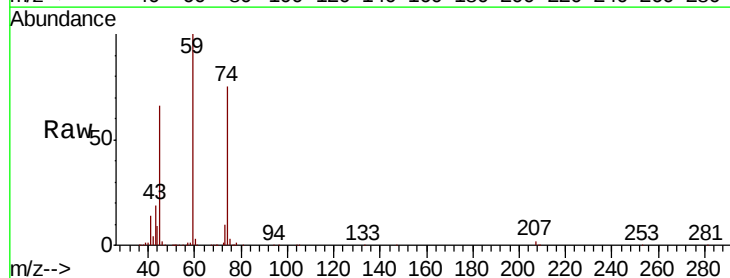
Tot Ion:101 Resp: 86689
Ion Ratio Lower Upper
101 100
103 62.4 50.9 76.3



#8

Diethyl Ether
Concen: 17.606 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion: 74 Resp: 34657
Ion Ratio Lower Upper
74 100
45 89.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.584 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016559.D

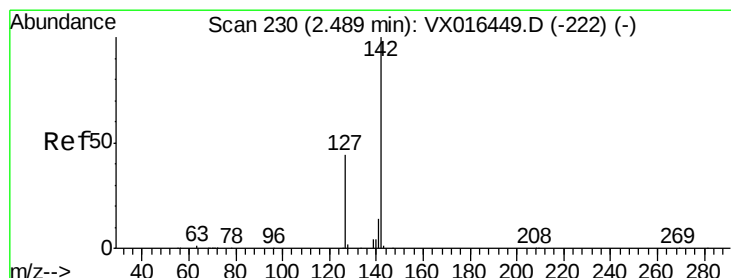
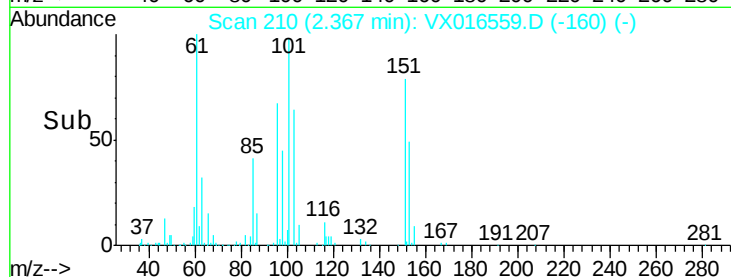
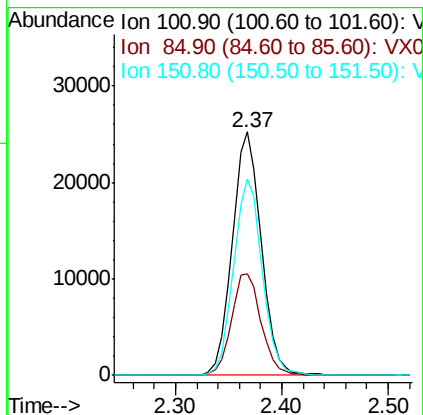
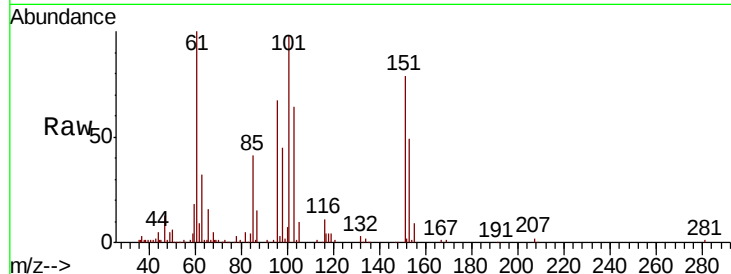
Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	101	Resp:	48286
Ion	Ratio	Lower	Upper
101	100		
85	42.8	34.4	51.6
151	79.7	63.8	95.6



#10

Methyl Iodide

Concen: 16.832 ug/l

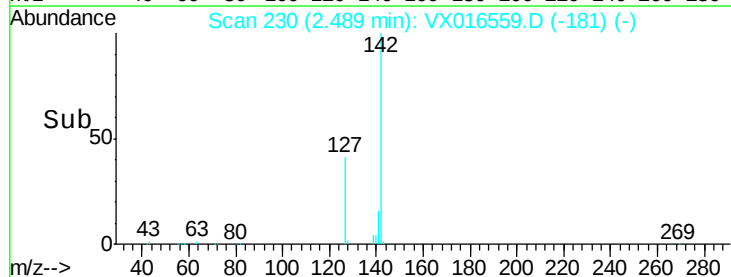
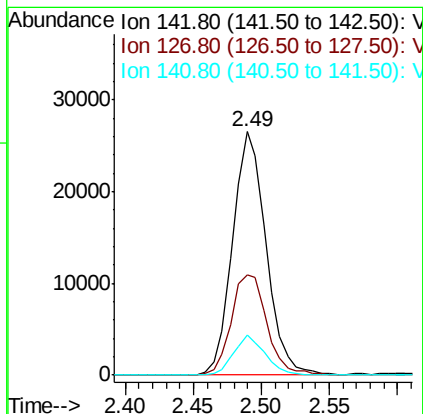
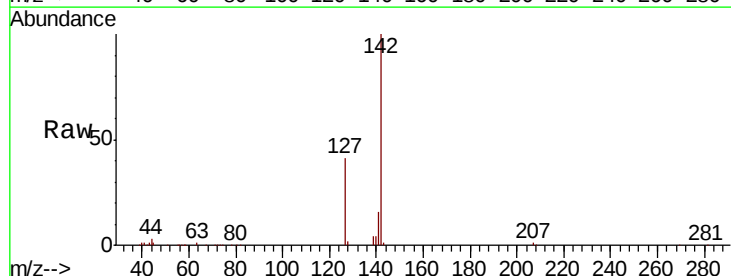
RT: 2.49 min Scan# 230

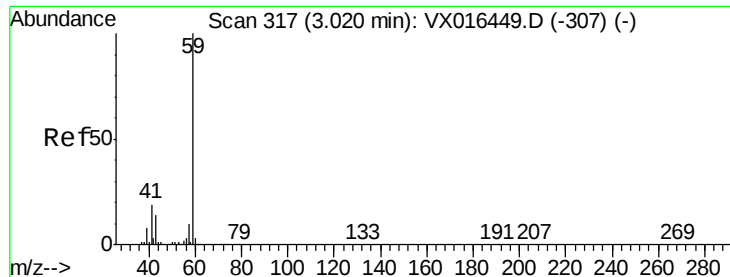
Delta R.T. 0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Tgt Ion:	142	Resp:	45548
Ion	Ratio	Lower	Upper
142	100		
127	44.0	35.3	52.9
141	15.3	11.4	17.2



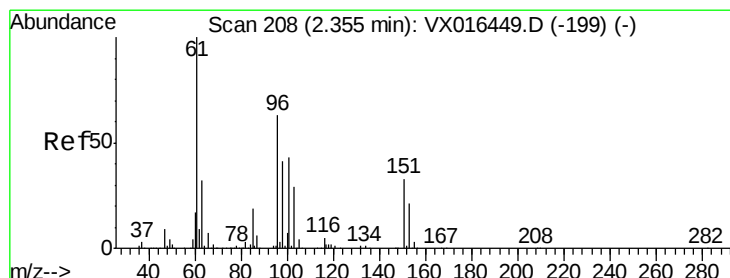
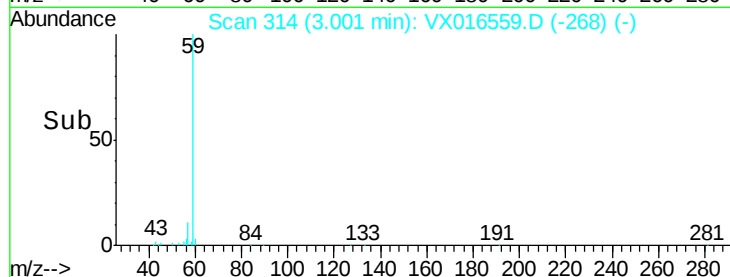
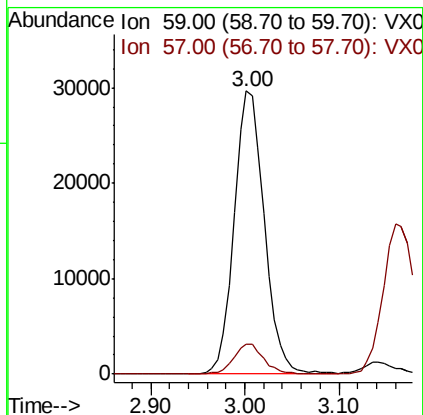
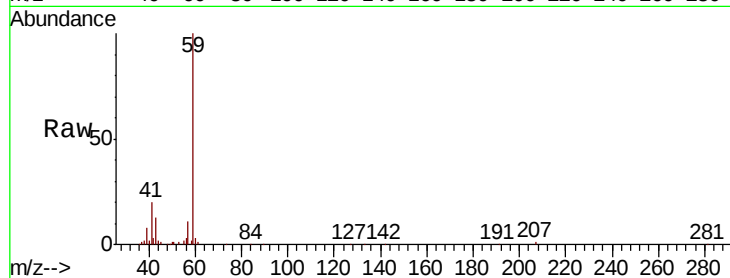


#11

Tert butyl alcohol
 Concen: 72.845 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

Instrument :
 MSVOA_X
 ClientSampled :

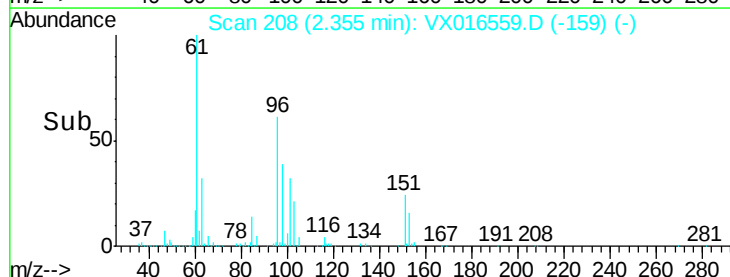
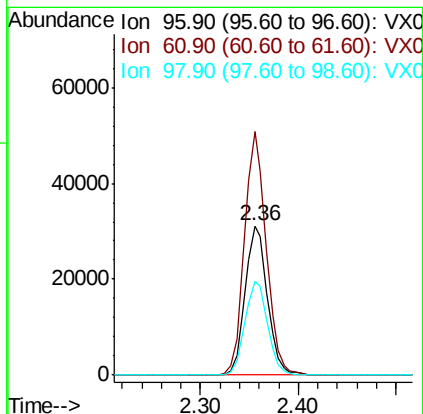
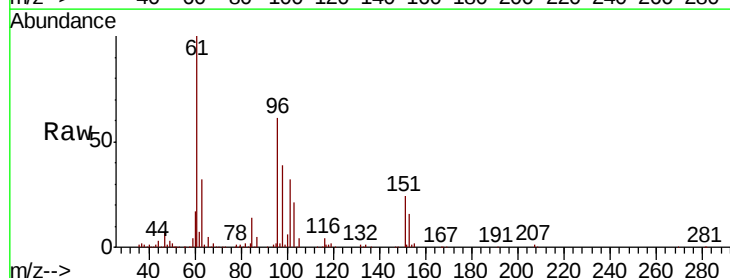
Tot Ion: 59 Resp: 66304
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.4

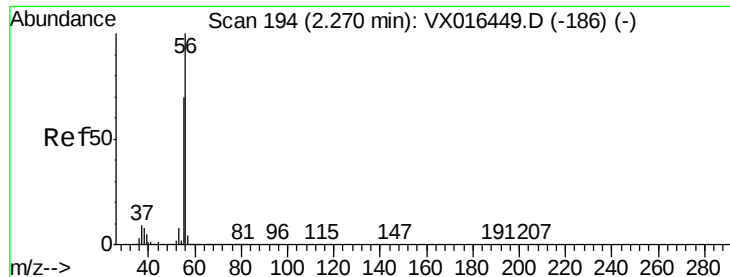


#12

1,1-Dichloroethene
 Concen: 17.992 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

Tgt Ion: 96 Resp: 49481
 Ion Ratio Lower Upper
 96 100
 61 163.1 126.6 189.8
 98 63.2 51.3 76.9





#13

Acrolein

Concen: 109.339 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

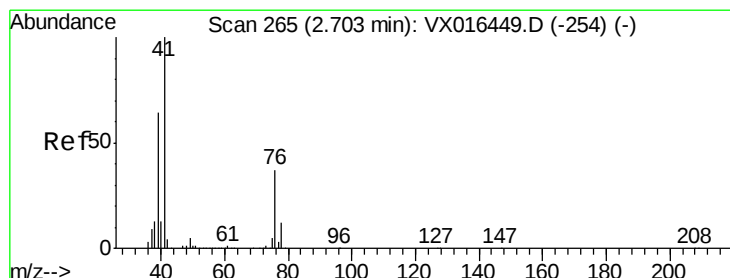
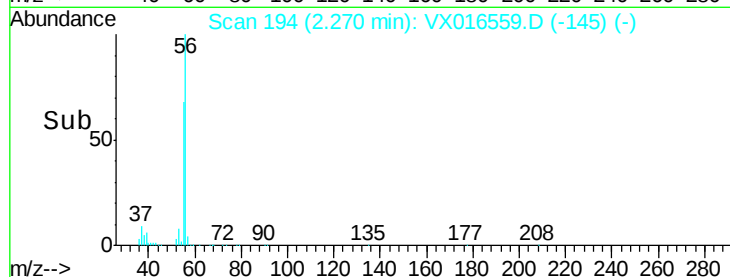
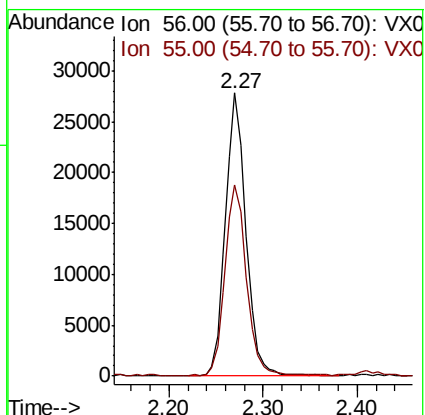
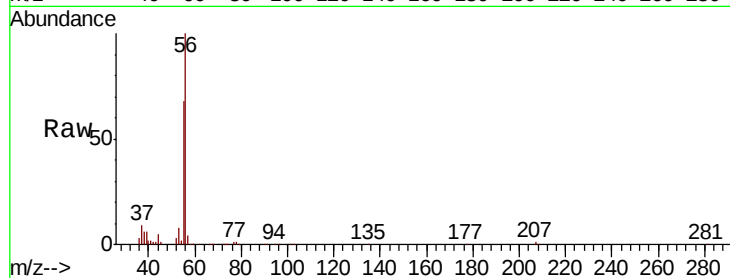
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 42335

Ion Ratio Lower Upper

56 100

55 71.1 58.3 87.5



#14

Allyl chloride

Concen: 16.835 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

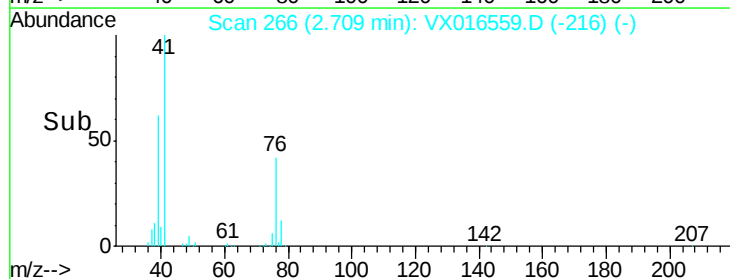
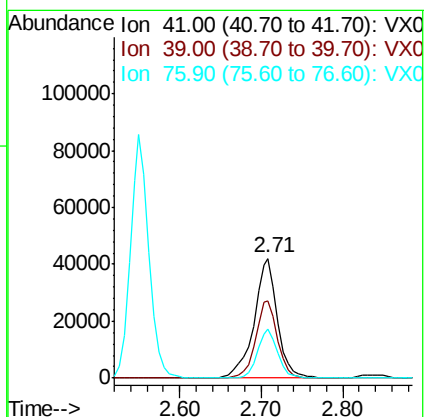
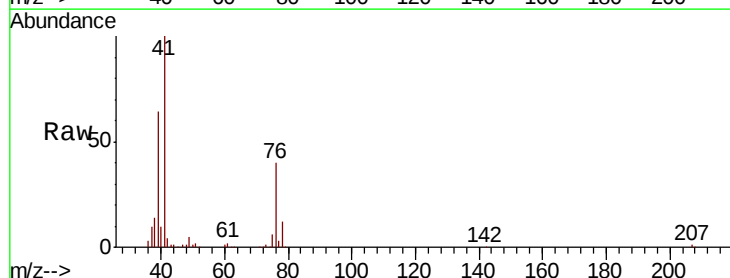
Tgt Ion: 41 Resp: 85150

Ion Ratio Lower Upper

41 100

39 60.0 47.7 71.5

76 35.4 26.6 40.0





#15

Acrylonitrile

Concen: 81.703 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

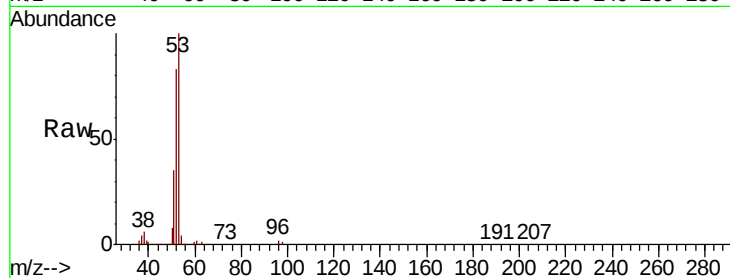
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 53 Resp: 152336

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.7	100.1
51	35.7	28.6	43.0

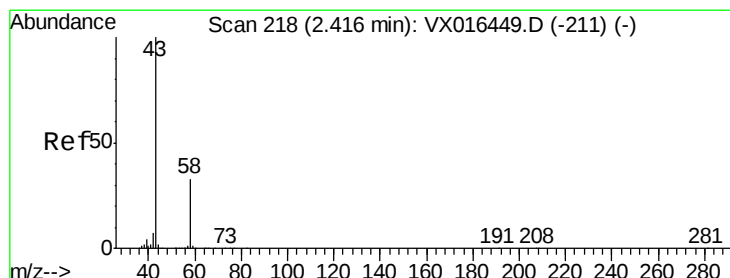
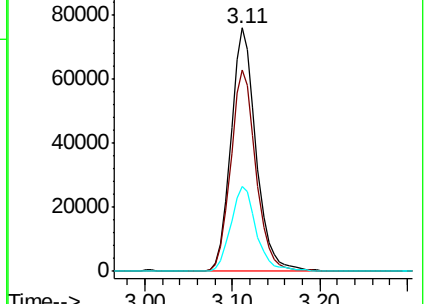
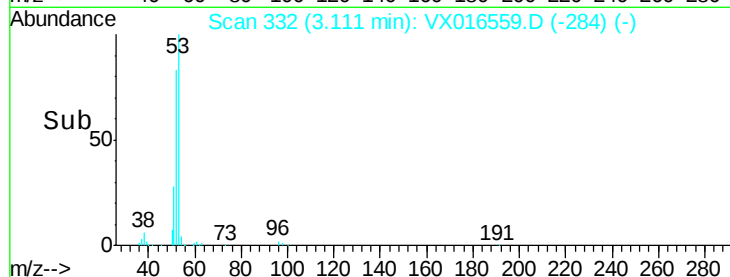


Abundance

Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 84.086 ug/l

RT: 2.42 min Scan# 218

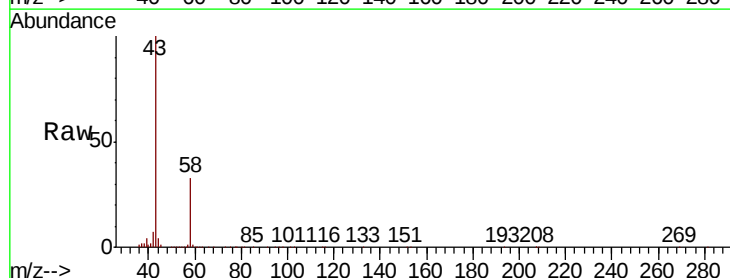
Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Tgt Ion: 43 Resp: 130764

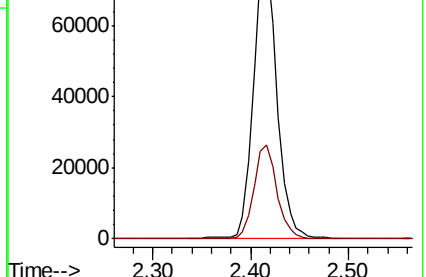
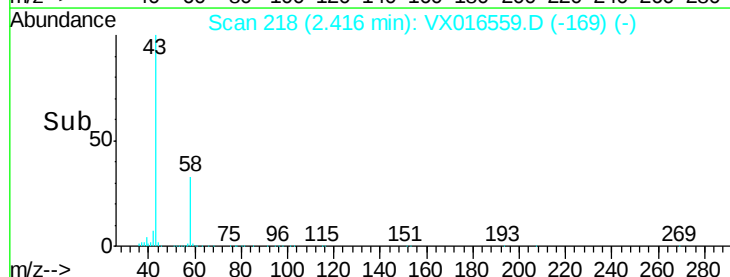
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.1	39.1

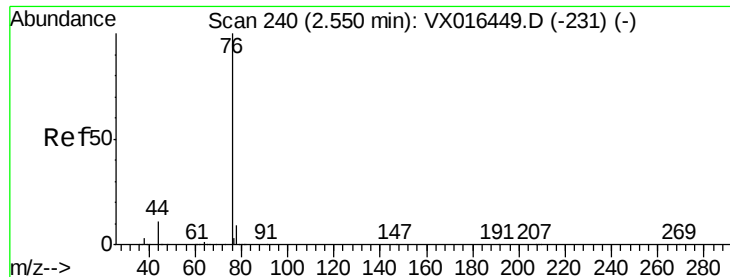


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

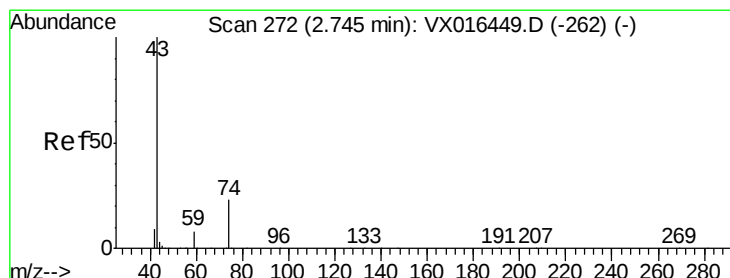
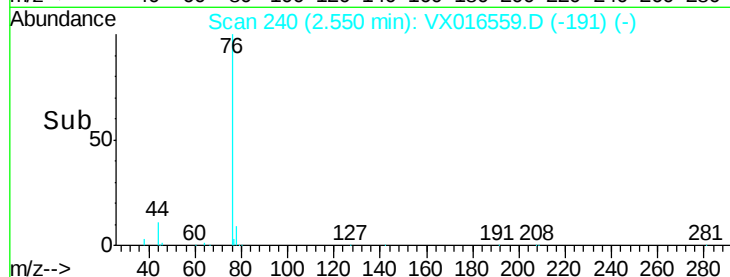
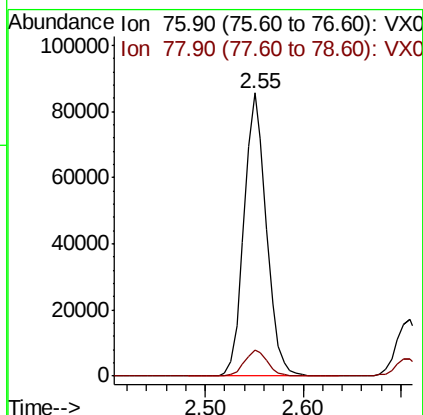
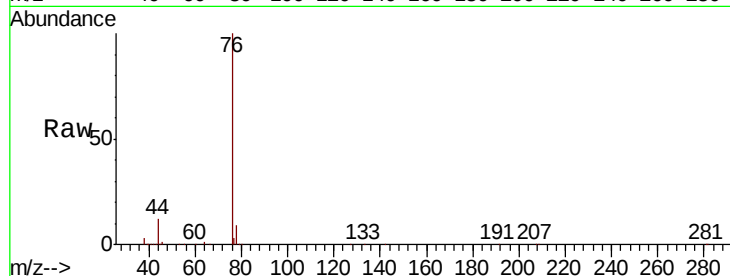




#17
Carbon Disulfide
Concen: 16.625 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

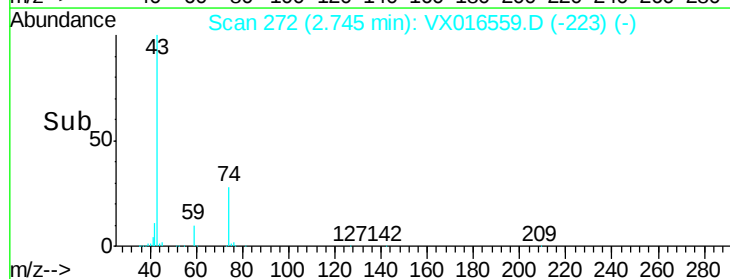
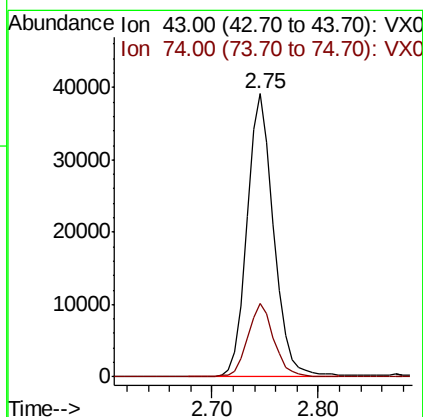
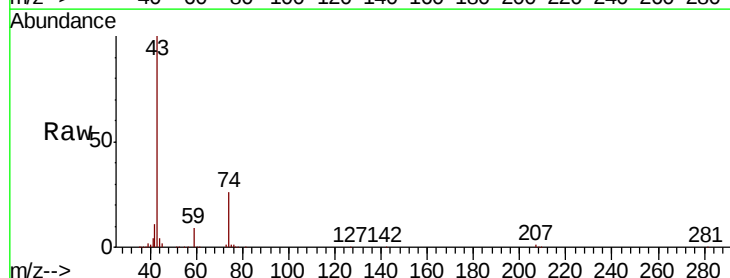
Instrument :
MSVOA_X
ClientSampleId :

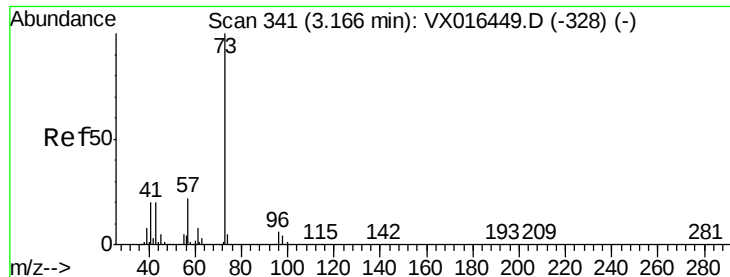
Tot Ion: 76 Resp: 135778
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 17.279 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion: 43 Resp: 68917
Ion Ratio Lower Upper
43 100
74 25.7 19.7 29.5



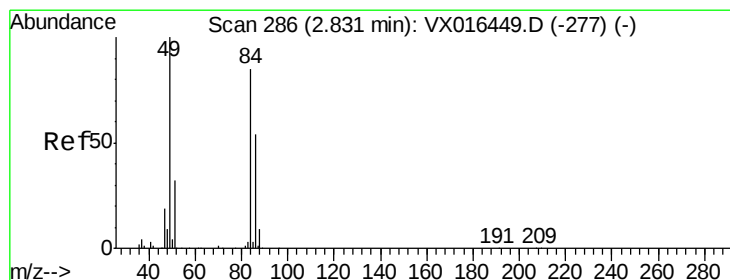
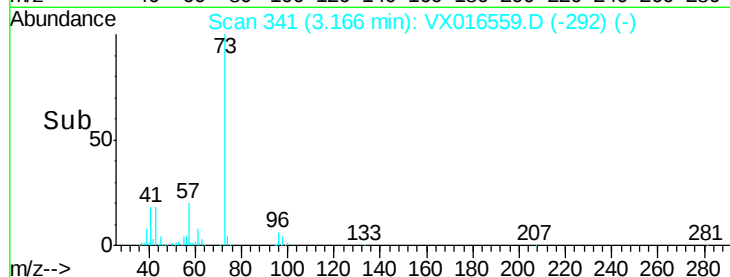
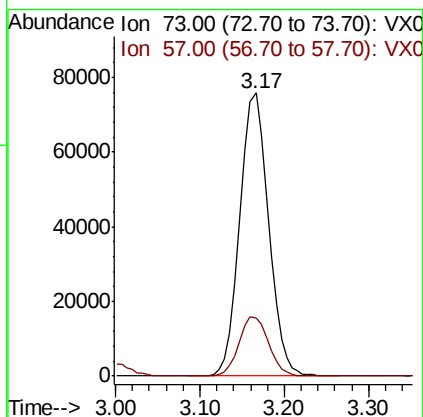
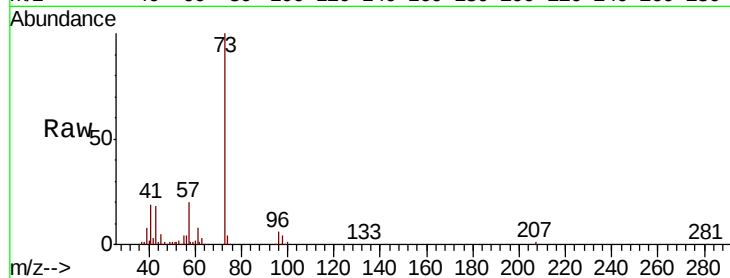


#19

Methyl tert-butyl Ether
Concen: 17.752 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :

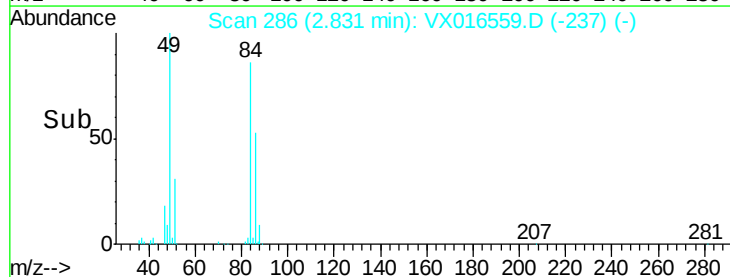
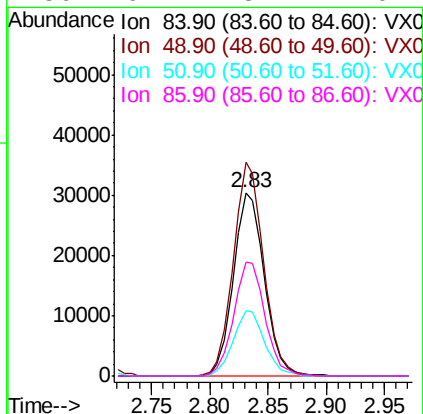
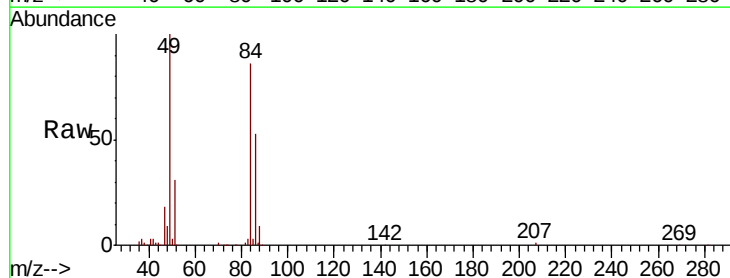
Tot Ion: 73 Resp: 175314
Ion Ratio Lower Upper
73 100
57 20.4 17.8 26.6

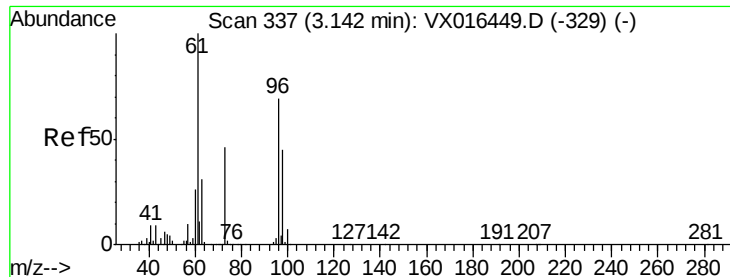


#20

Methylene Chloride
Concen: 17.487 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion: 84 Resp: 56263
Ion Ratio Lower Upper
84 100
49 116.4 94.5 141.7
51 35.7 30.2 45.4
86 62.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.641 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

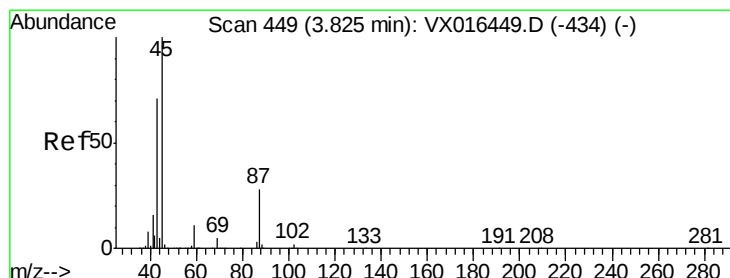
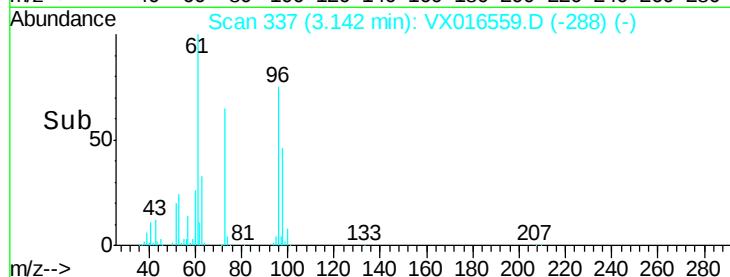
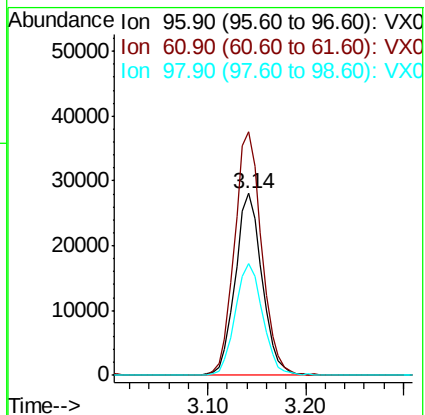
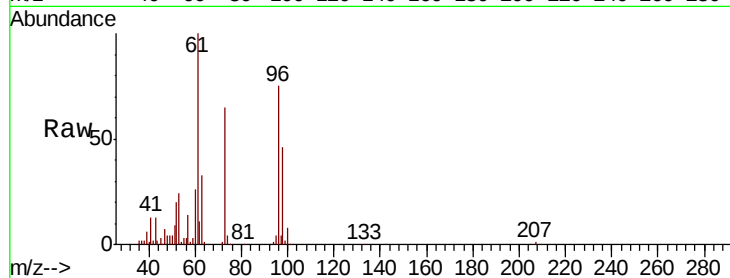
Tot Ion: 96 Resp: 53665

Ion Ratio Lower Upper

96 100

61 134.0 115.3 172.9

98 61.7 51.9 77.9



#22

Diisopropyl ether

Concen: 17.152 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Tgt Ion: 45 Resp: 166655

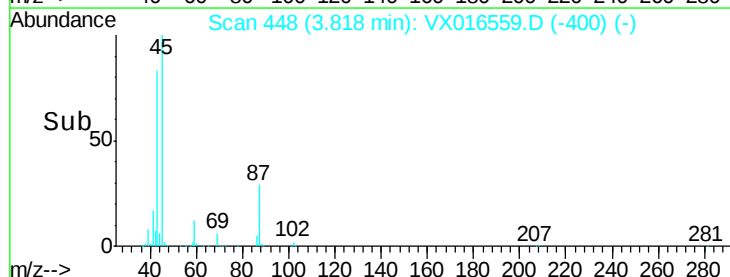
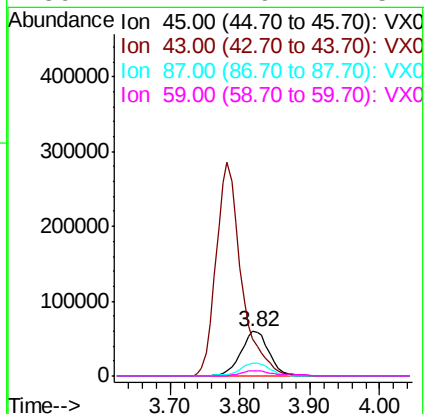
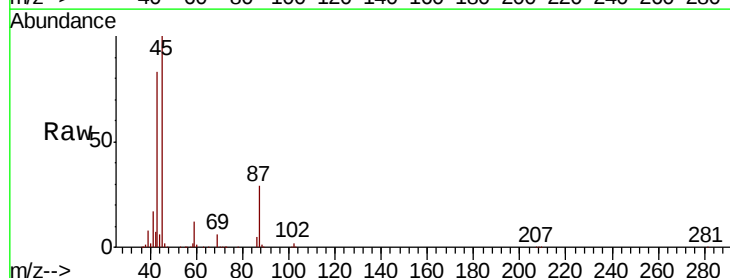
Ion Ratio Lower Upper

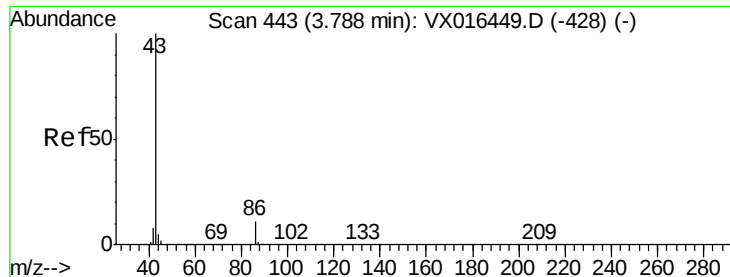
45 100

43 82.9 57.0 85.6

87 28.8 22.5 33.7

59 12.4 9.1 13.7





#23

Vinyl Acetate

Concen: 84.413 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

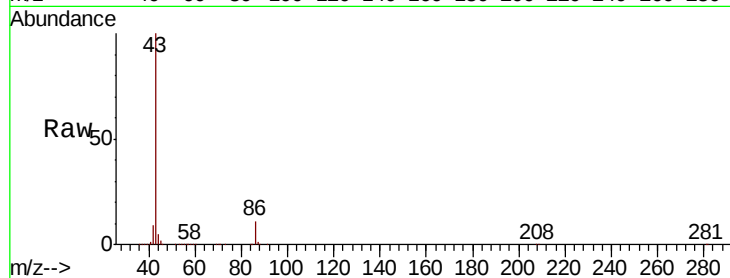
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 717901

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.78

300000

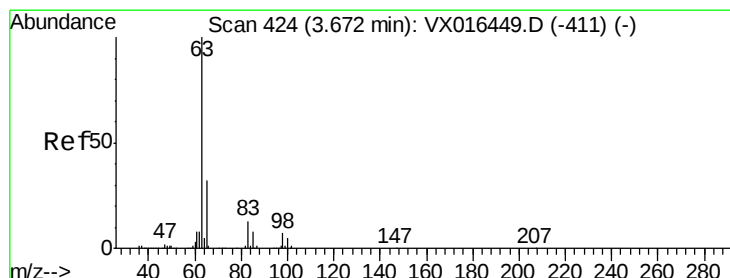
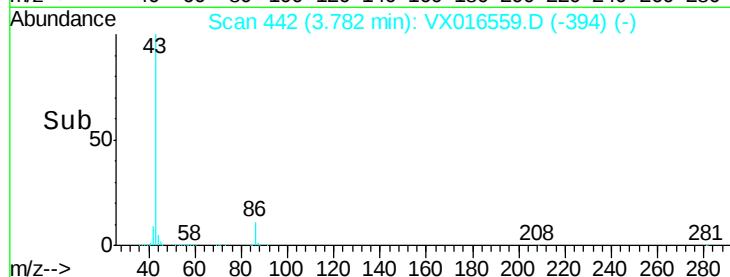
200000

100000

0

Time-->

3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 17.486 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

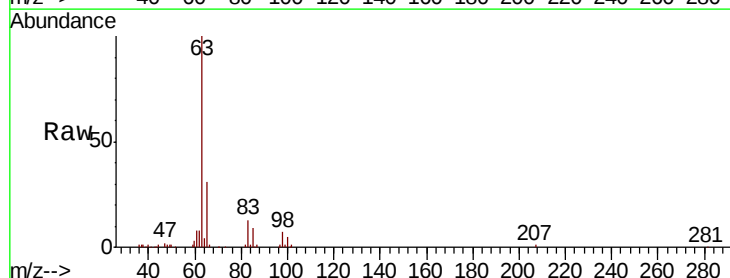
Tgt Ion: 63 Resp: 95894

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 4.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

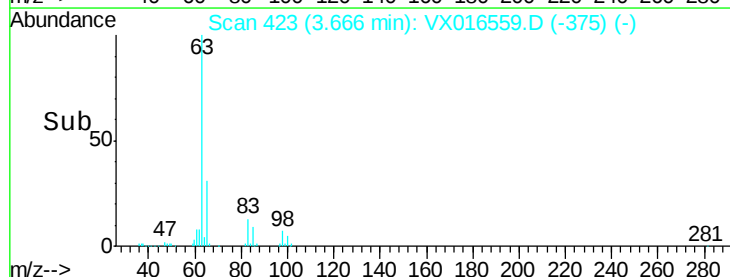
20000

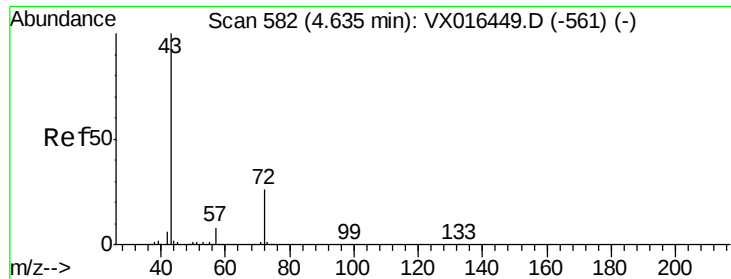
10000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 77.792 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

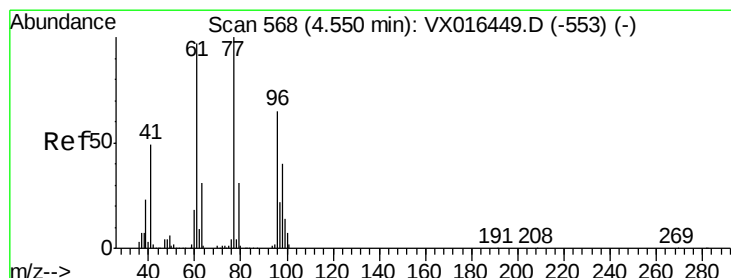
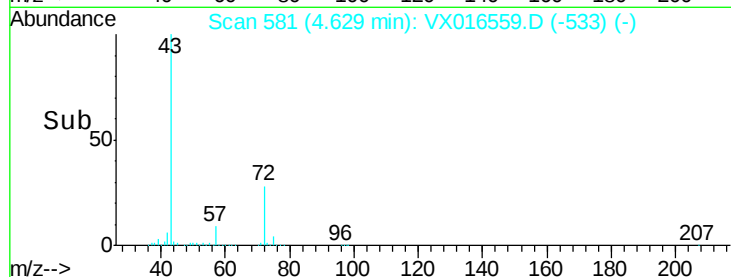
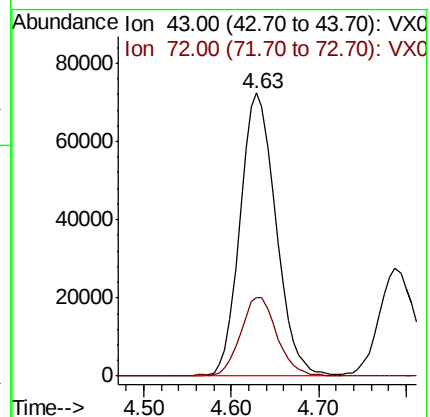
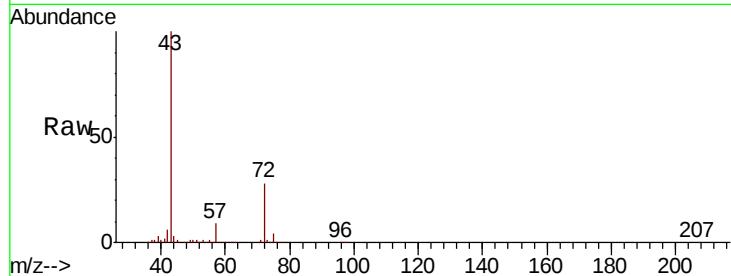
ClientSampled :

Tot Ion: 43 Resp: 204990

Ion Ratio Lower Upper

43 100

72 27.5 21.0 31.6



#26

2,2-Dichloropropane

Concen: 19.739 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016559.D

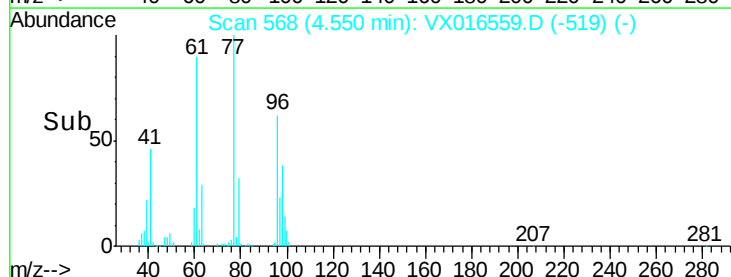
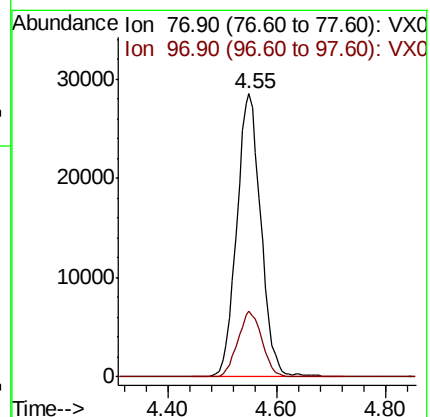
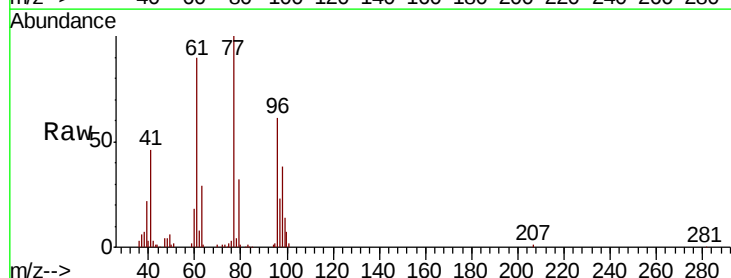
Acq: 03 Jun 2020 11:39

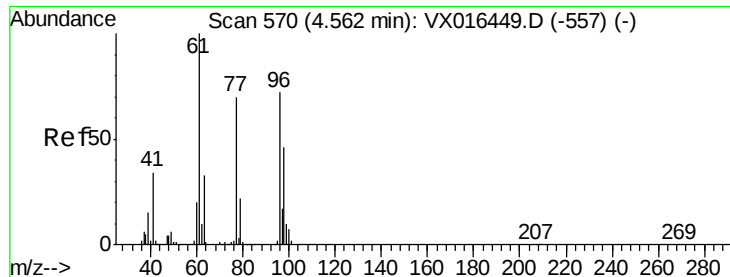
Tgt Ion: 77 Resp: 88579

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4



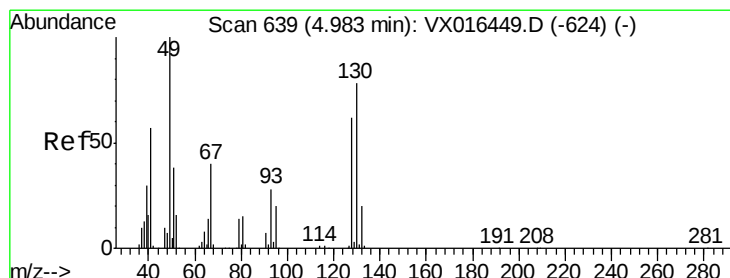
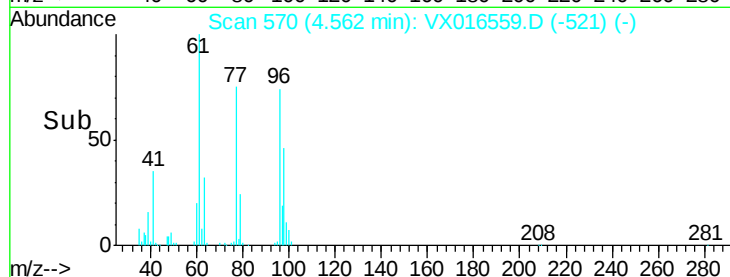
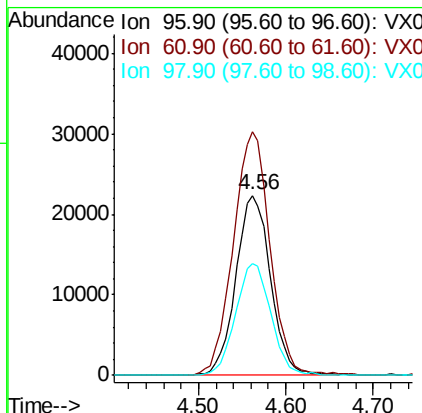
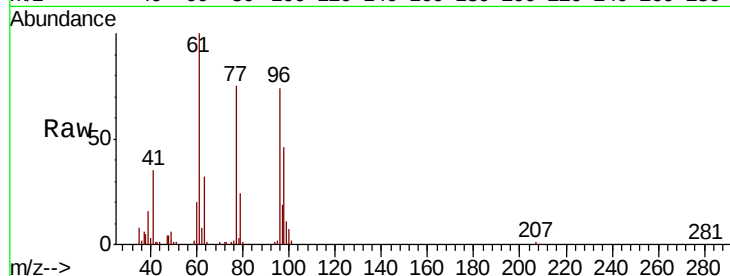


#27

cis-1,2-Dichloroethene
 Concen: 17.514 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

Instrument :
 MSVOA_X
 ClientSampleId :

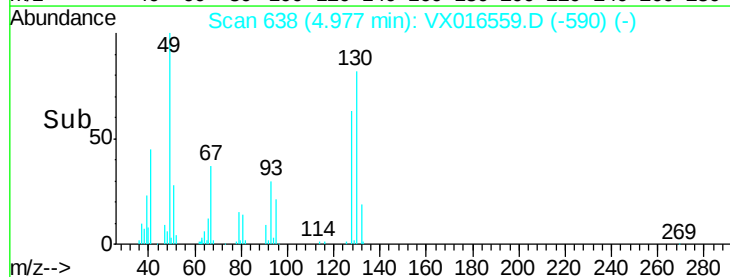
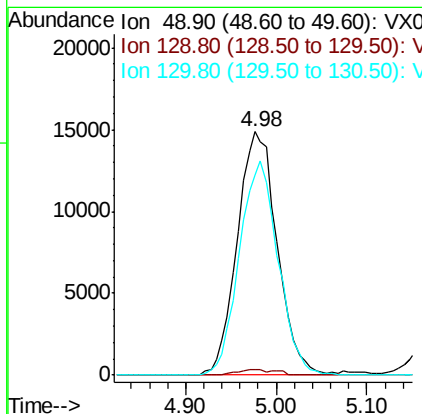
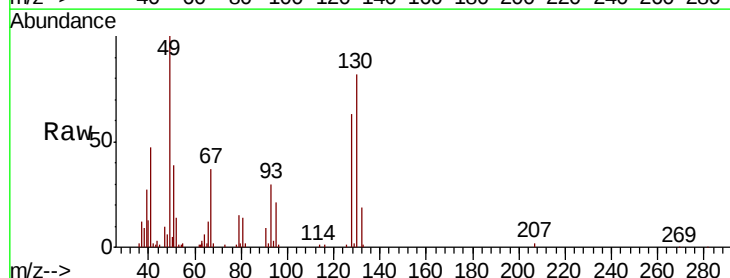
Tot Ion	96	Resp	61637
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	284.6
98	63.2	0.0	127.2

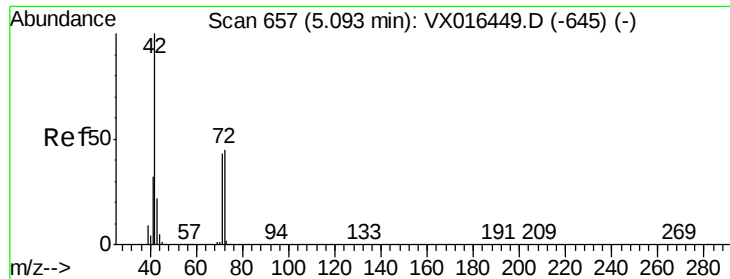


#28

Bromochloromethane
 Concen: 17.815 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

Tgt Ion	49	Resp	45401
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	85.3	63.0	94.4





#29

Tetrahydrofuran

Concen: 78.461 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

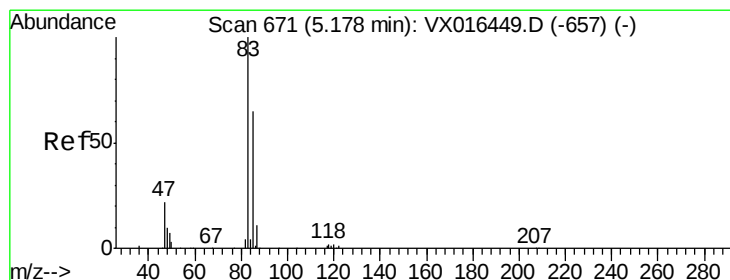
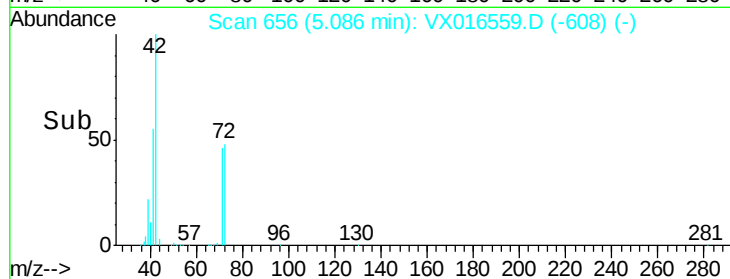
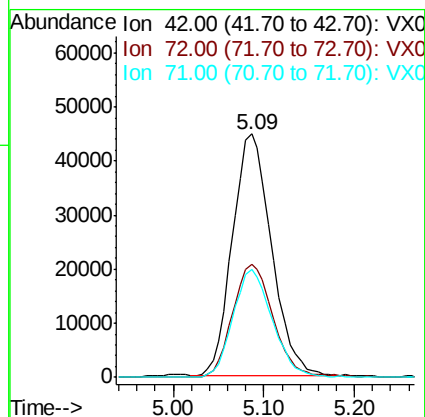
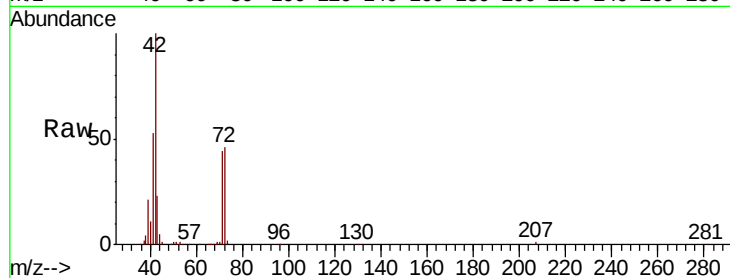
Tot Ion: 42 Resp: 133571

Ion Ratio Lower Upper

42 100

72 48.8 37.0 55.4

71 44.9 34.1 51.1



#30

Chloroform

Concen: 17.583 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX016559.D

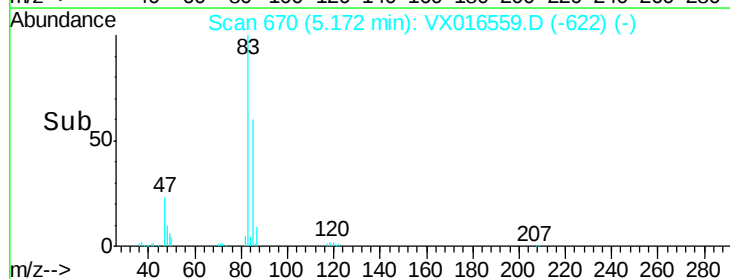
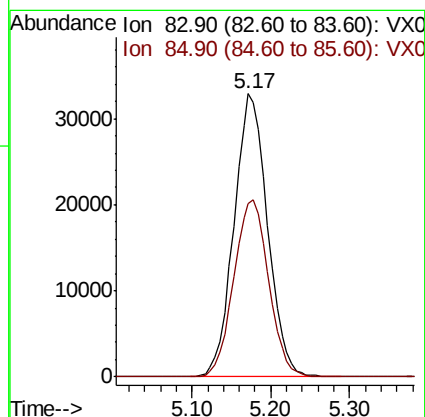
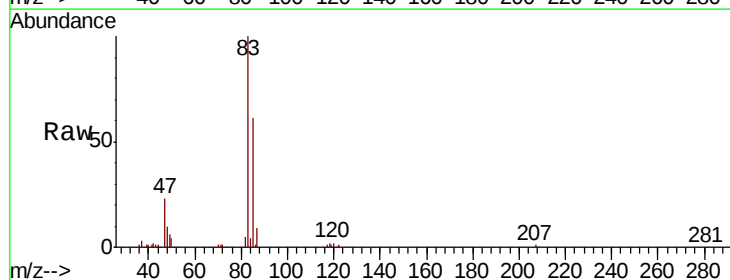
Acq: 03 Jun 2020 11:39

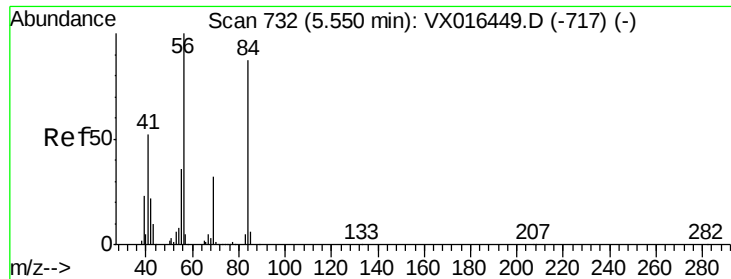
Tgt Ion: 83 Resp: 97160

Ion Ratio Lower Upper

83 100

85 61.2 52.0 78.0

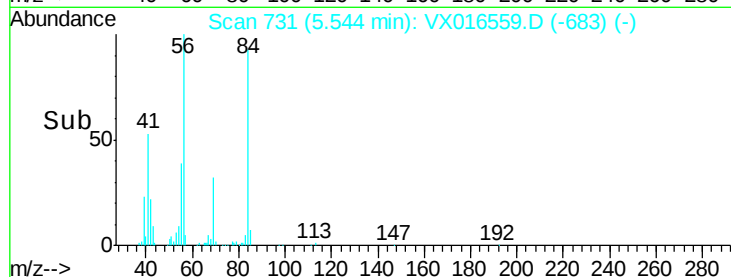
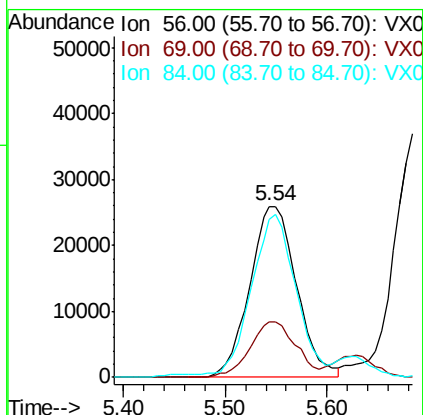
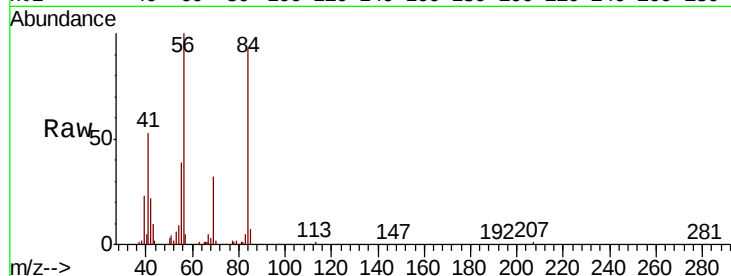




#31
Cyclohexane
Concen: 16.746 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

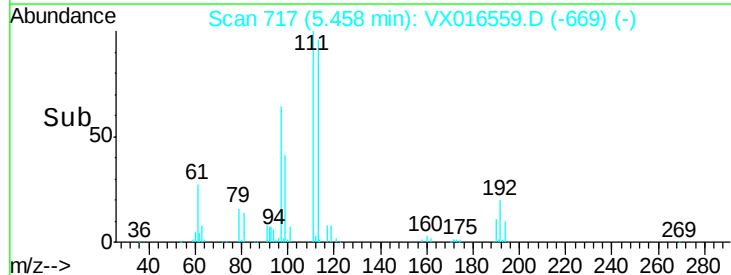
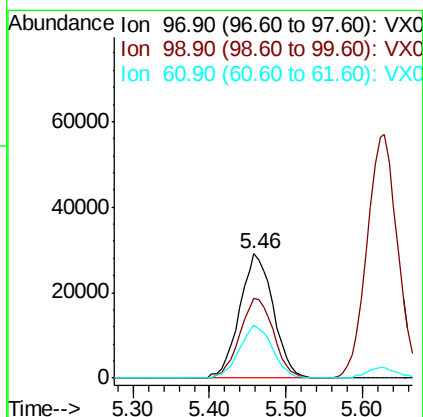
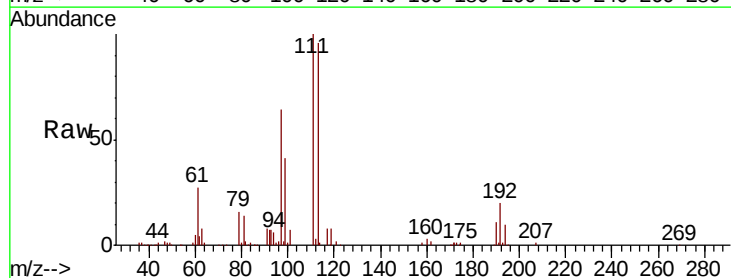
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 82618
Ion Ratio Lower Upper
56 100
69 32.5 25.7 38.5
84 90.7 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 17.778 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion: 97 Resp: 88936
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 41.8 33.5 50.3

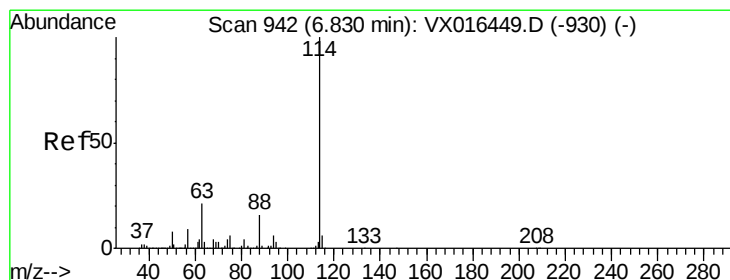
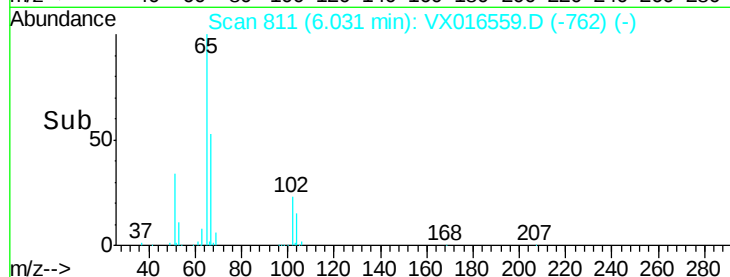
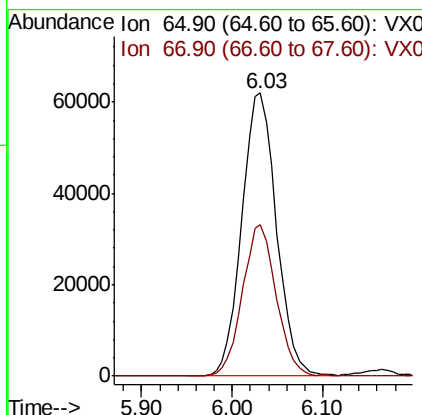
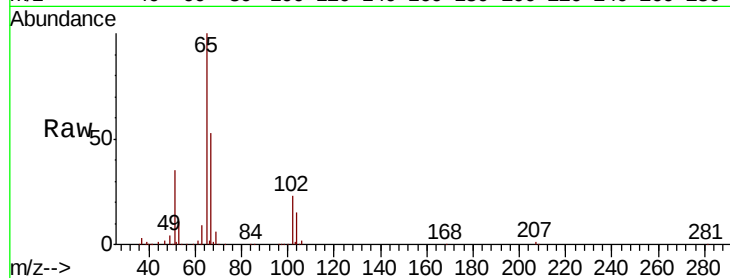




#33
 1,2-Dichloroethane-d4
 Concen: 46.263 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

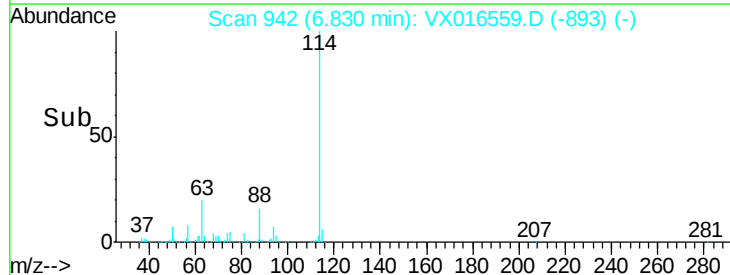
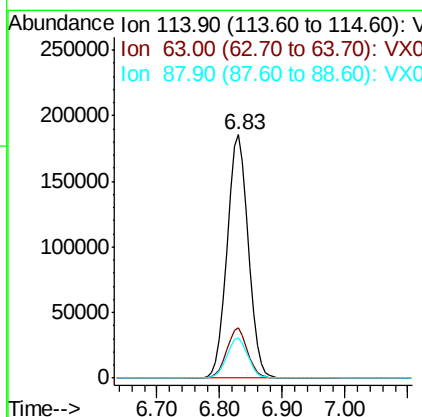
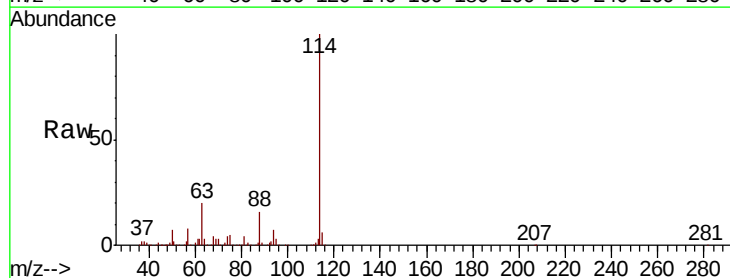
Instrument :
 MSVOA_X
 ClientSampleId :

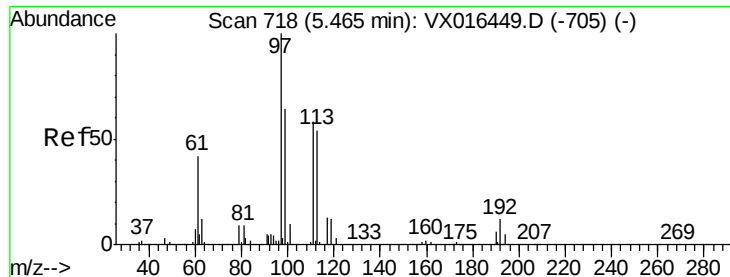
Tot Ion: 65 Resp: 164213
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

Tgt Ion: 114 Resp: 433916
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.6
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.723 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

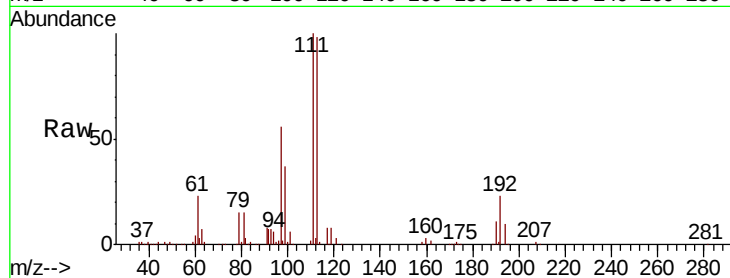
Tot Ion:113 Resp: 130178

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

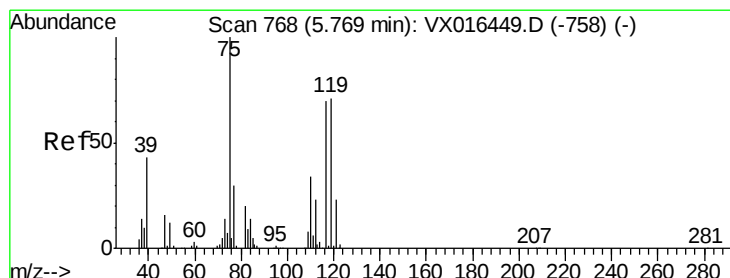
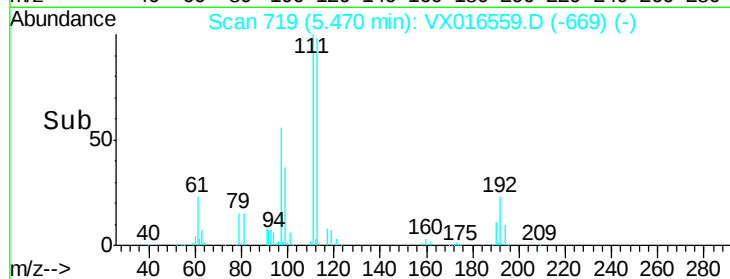
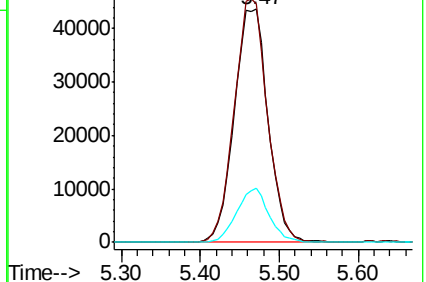
192 22.1 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.934 ug/l

RT: 5.76 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

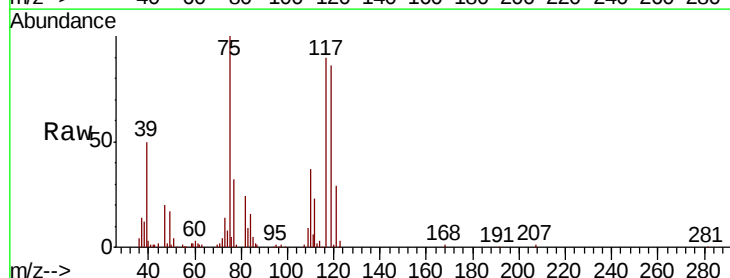
Tgt Ion: 75 Resp: 73680

Ion Ratio Lower Upper

75 100

110 36.5 17.4 52.3

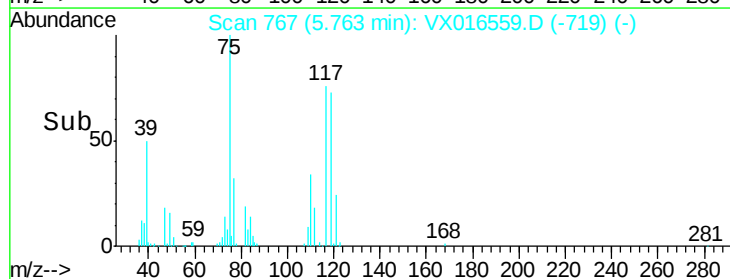
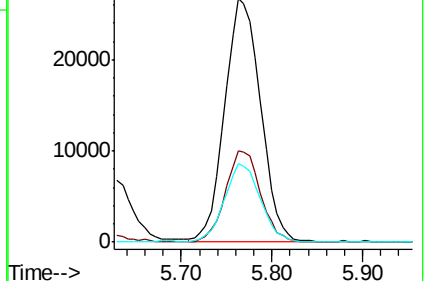
77 32.0 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

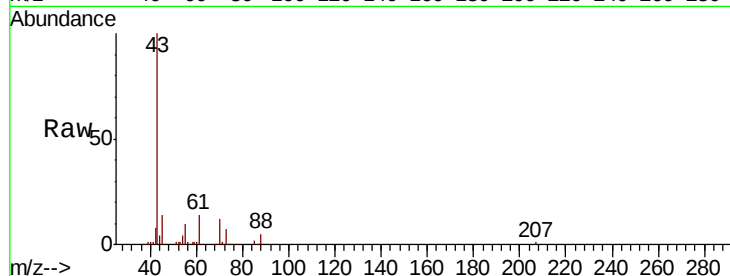




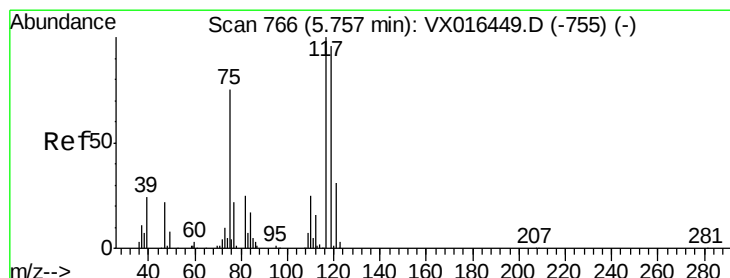
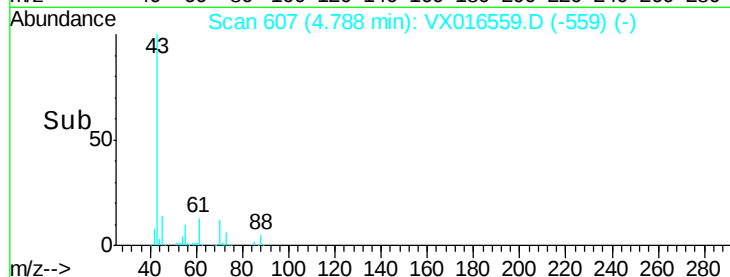
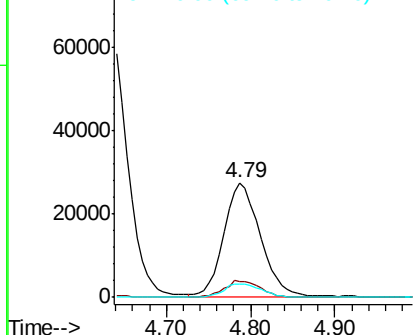
#37
Ethyl Acetate
Concen: 16.229 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	43	Resp	80050
Ion Ratio	Lower	Upper	
43	100		
61	14.8	11.3	16.9
70	12.4	9.3	13.9

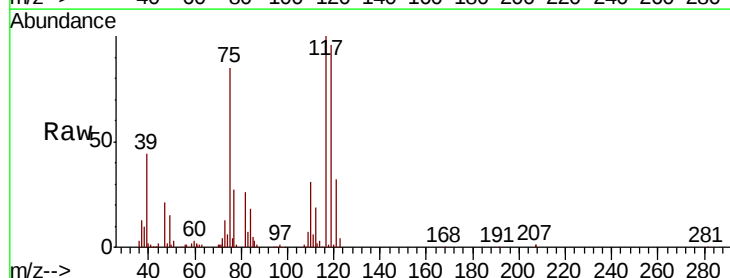


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

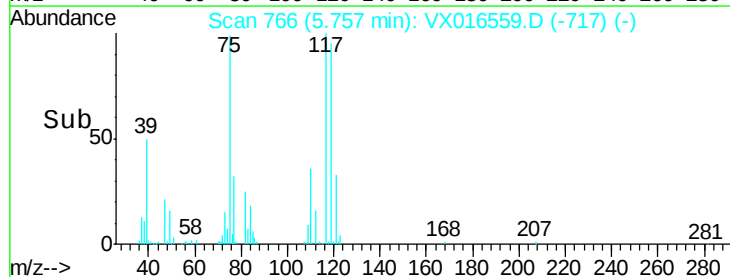
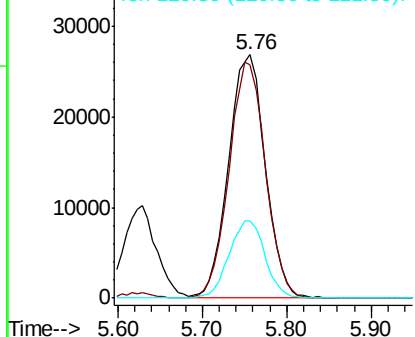


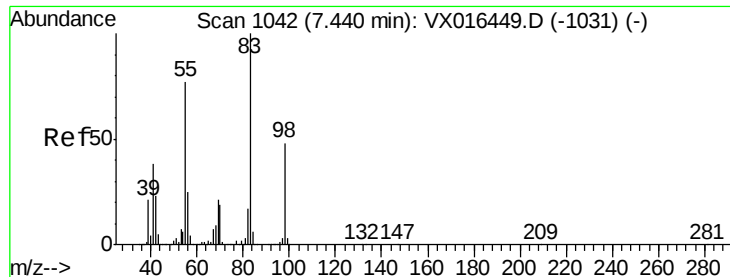
#38
Carbon Tetrachloride
Concen: 18.409 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion	117	Resp	79481
Ion Ratio	Lower	Upper	
117	100		
119	95.7	76.3	114.5
121	31.7	24.6	37.0



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

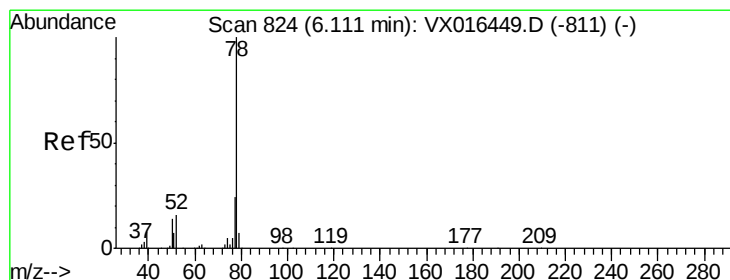
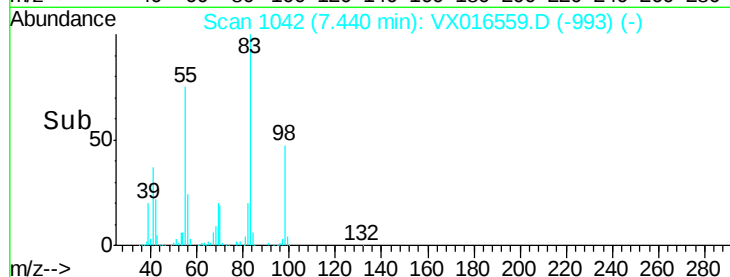
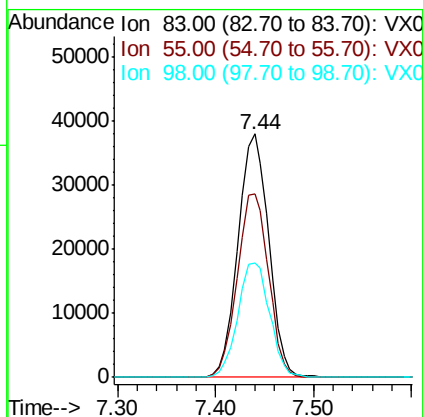
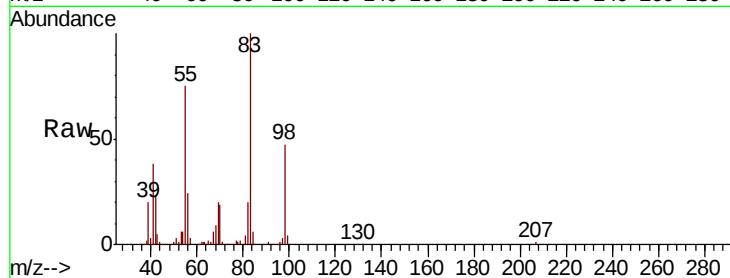




#39
Methvlcvclohexane
Concen: 18.559 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

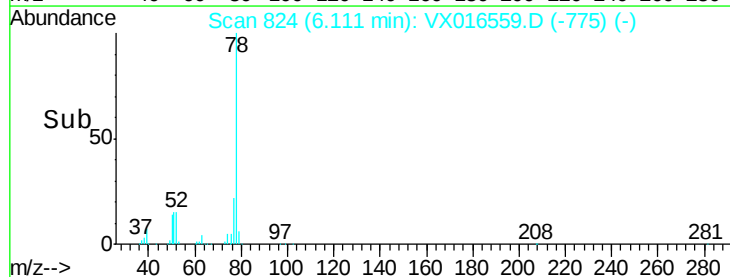
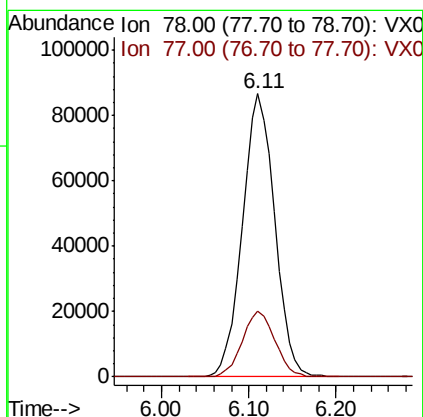
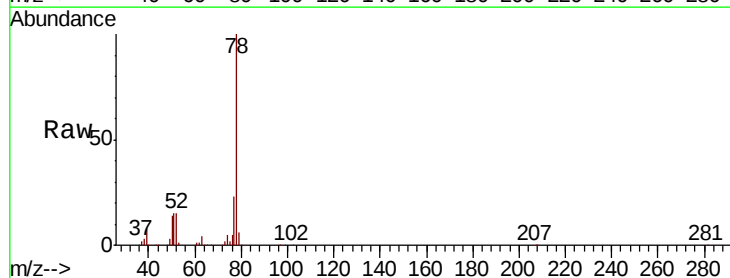
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 82816
Ion Ratio Lower Upper
83 100
55 75.1 61.7 92.5
98 47.2 38.7 58.1



#40
Benzene
Concen: 18.169 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion: 78 Resp: 222289
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3

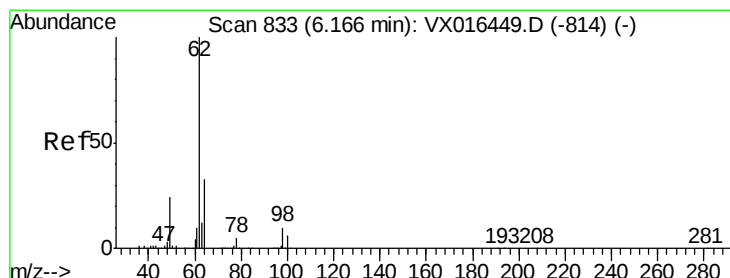
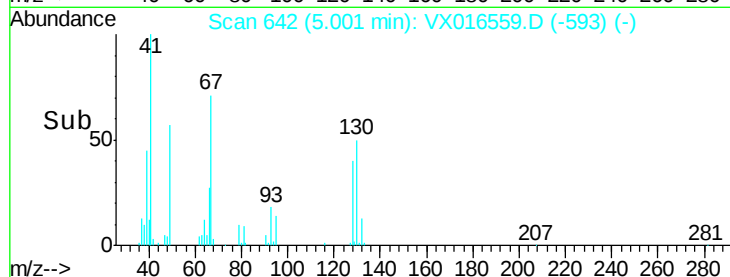
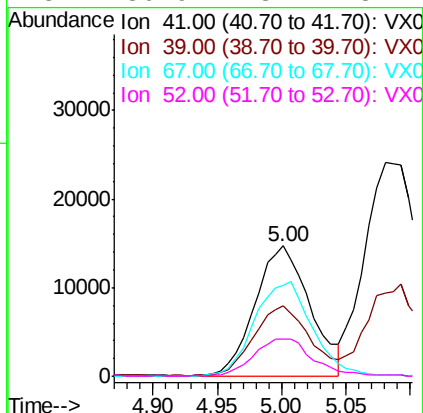
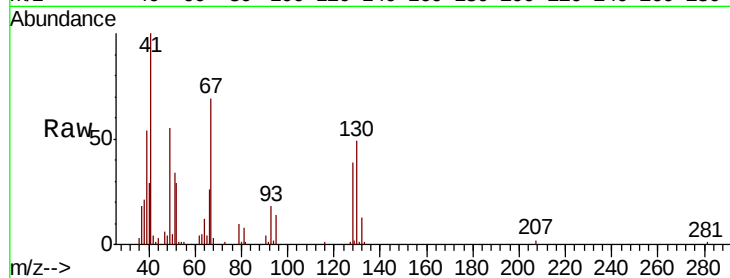




#41
Methacrylonitrile
Concen: 16.166 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

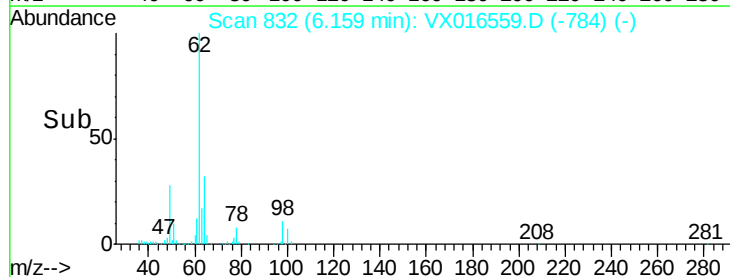
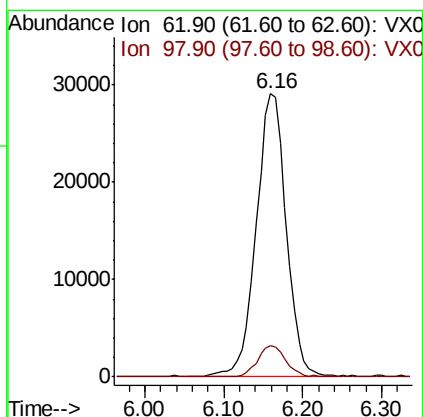
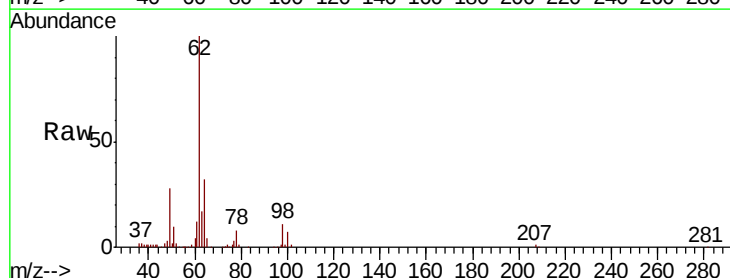
Instrument :
MSVOA_X
ClientSampleId :

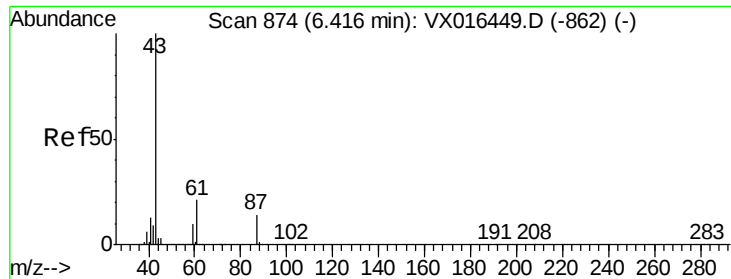
Tot Ion:	41	Resp:	43798
Ion	Ratio	Lower	Upper
41	100		
39	55.7	43.0	64.4
67	75.7	58.9	88.3
52	30.9	23.1	34.7



#42
1,2-Dichloroethane
Concen: 17.742 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion:	62	Resp:	77196
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.8

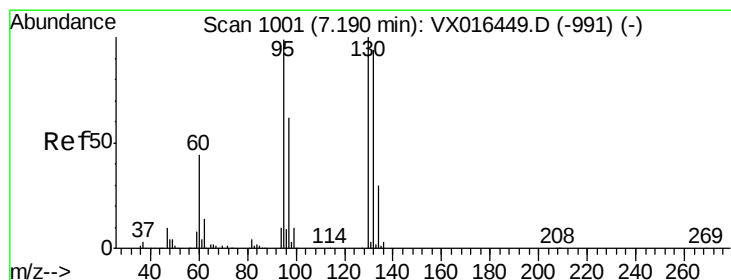
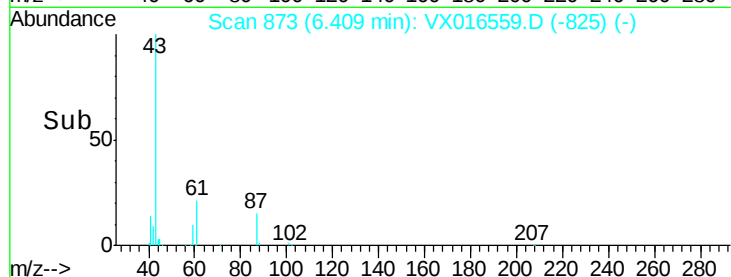
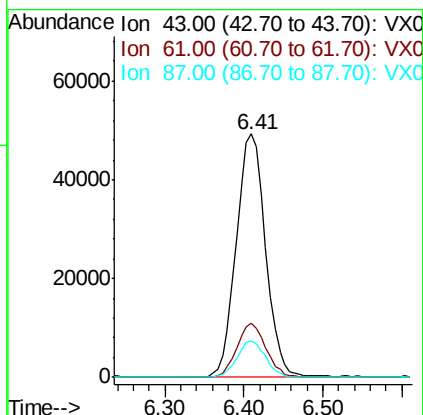
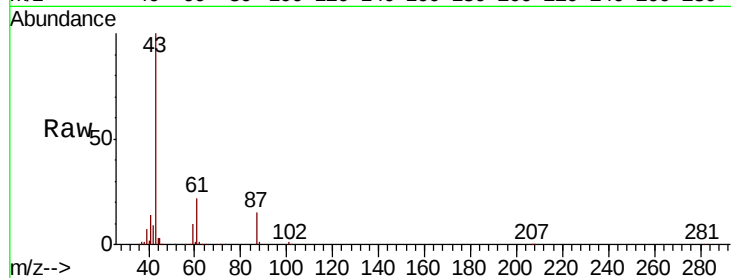




#43
Isopropyl Acetate
Concen: 16.488 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

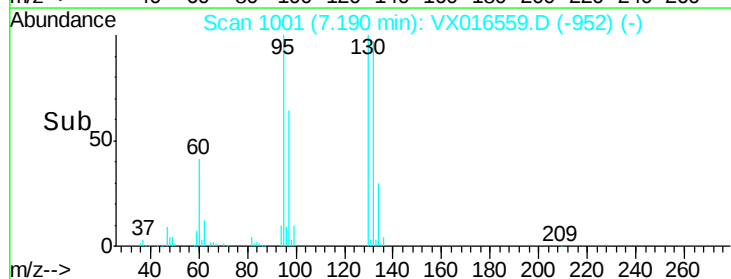
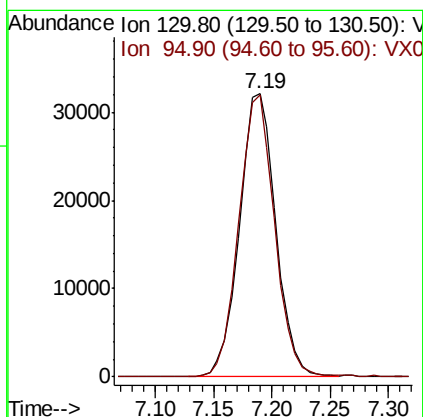
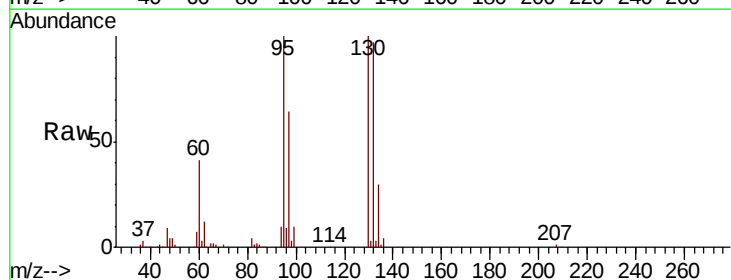
Instrument :
MSVOA_X
ClientSampleId :

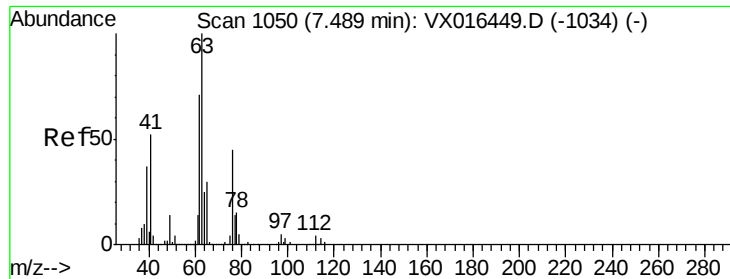
Tot Ion: 43 Resp: 126855
Ion Ratio Lower Upper
43 100
61 22.1 16.8 25.2
87 14.6 11.2 16.8



#44
Trichloroethene
Concen: 17.987 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion:130 Resp: 69821
Ion Ratio Lower Upper
130 100
95 99.8 0.0 198.2





#45

1,2-Dichloropropane

Concen: 18.235 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

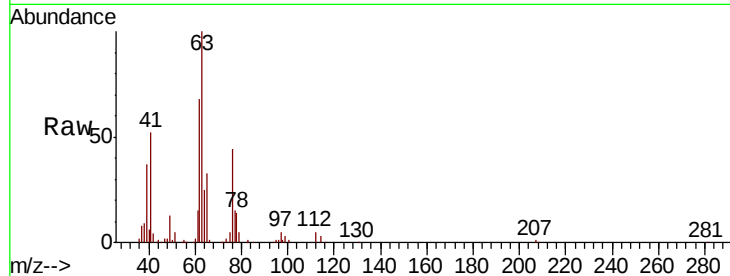
ClientSampleId :

Tot Ion: 63 Resp: 56796

Ion Ratio Lower Upper

63 100

65 33.3 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

30000

25000

20000

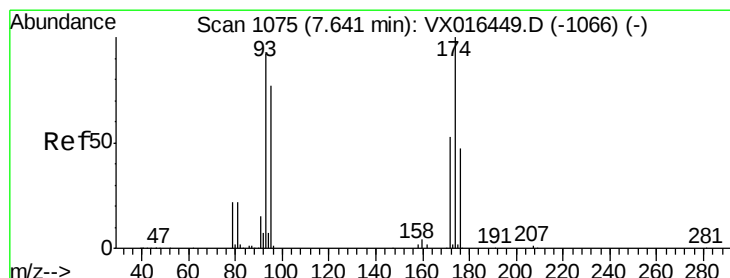
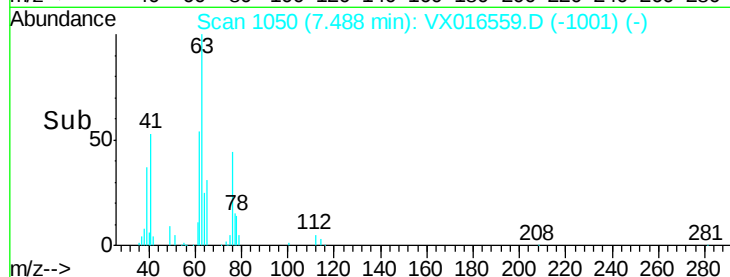
15000

10000

5000

0

Time--> 7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 17.619 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

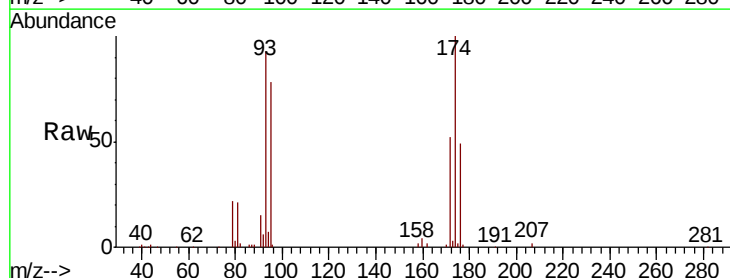
Tgt Ion: 93 Resp: 36859

Ion Ratio Lower Upper

93 100

95 82.3 66.6 100.0

174 111.1 86.2 129.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

30000

25000

20000

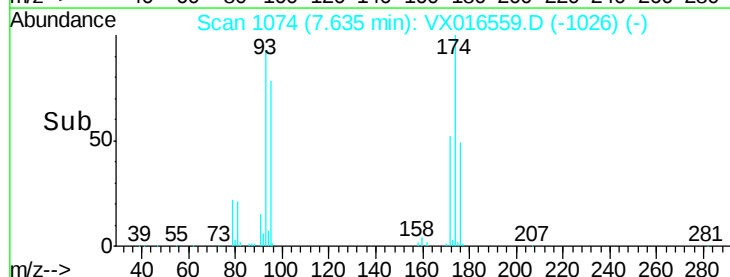
15000

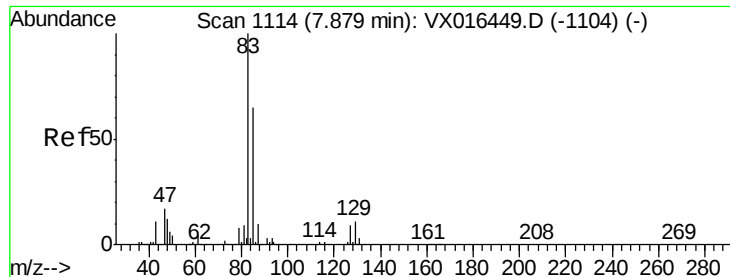
10000

5000

0

Time--> 7.60 7.70





#47

Bromodichloromethane

Concen: 17.884 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

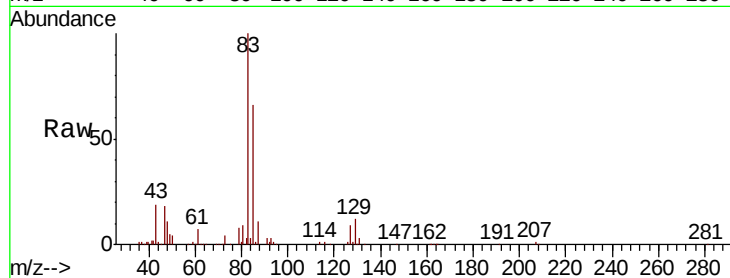
Tot Ion: 83 Resp: 77469

Ion Ratio Lower Upper

83 100

85 65.7 52.0 78.0

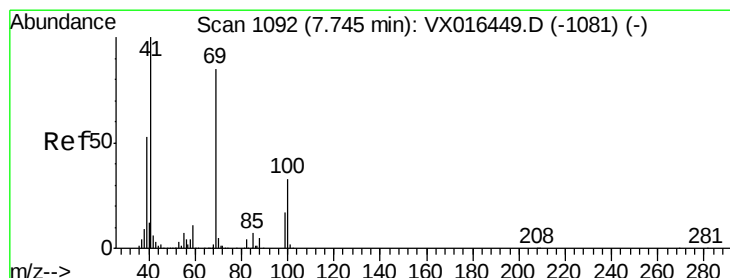
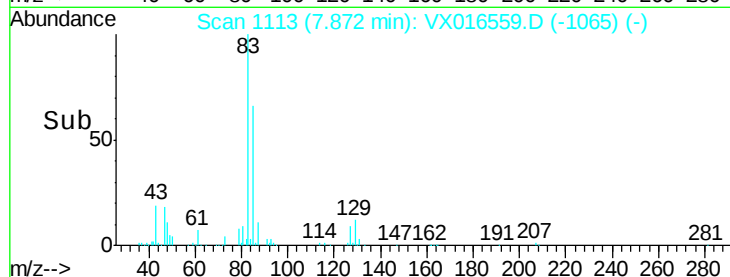
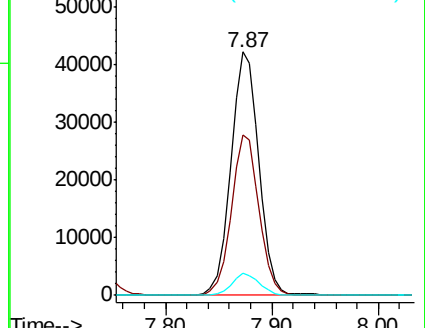
127 9.2 7.4 11.0



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: 16.429 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

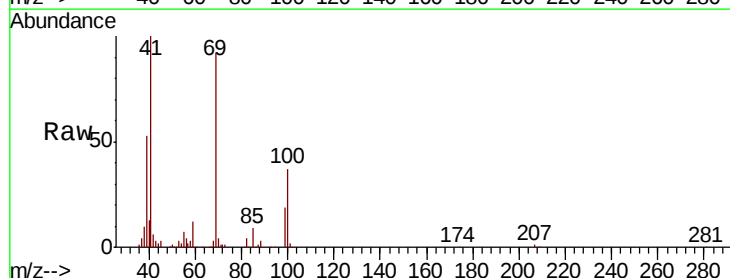
Tgt Ion: 41 Resp: 60519

Ion Ratio Lower Upper

41 100

69 90.0 68.6 102.8

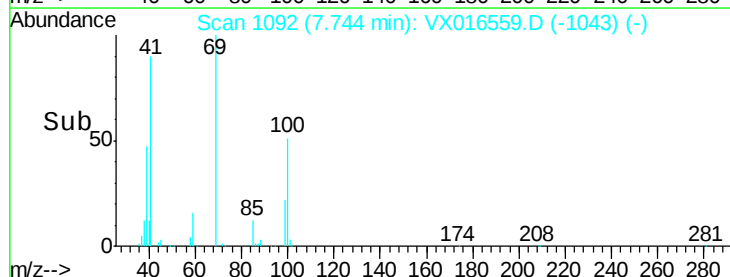
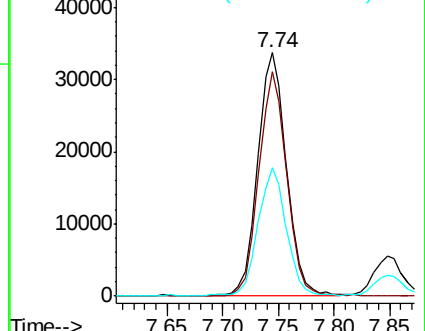
39 52.8 42.4 63.6

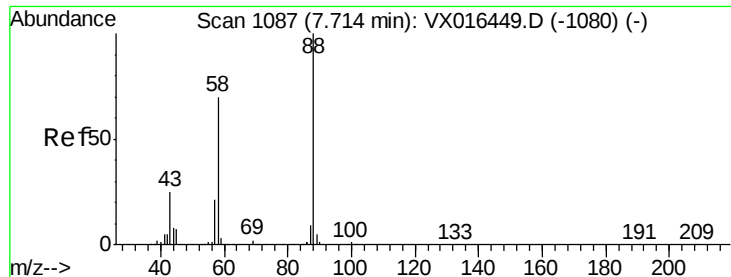


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 295.456 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

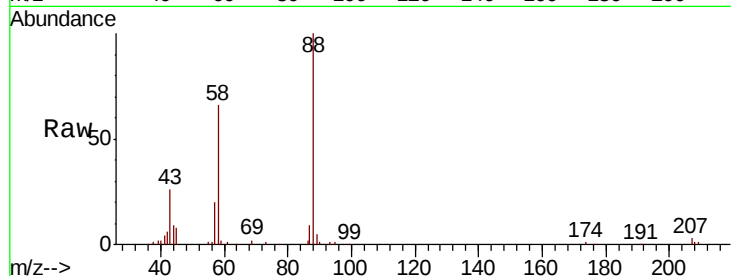
Tot Ion: 88 Resp: 25471

Ion Ratio Lower Upper

88 100

43 32.4 24.2 36.4

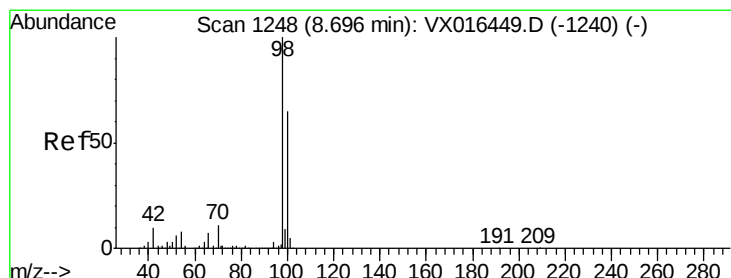
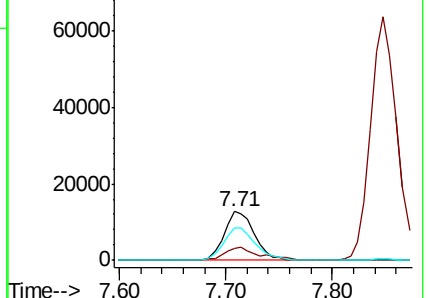
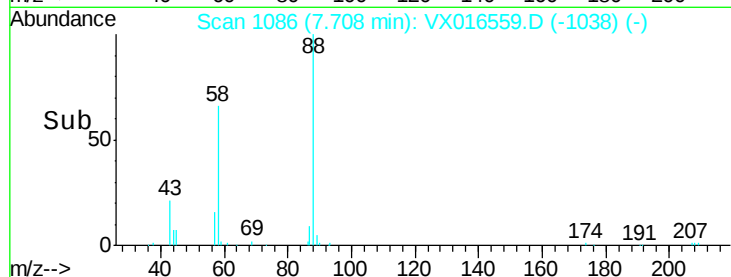
58 70.5 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.285 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016559.D

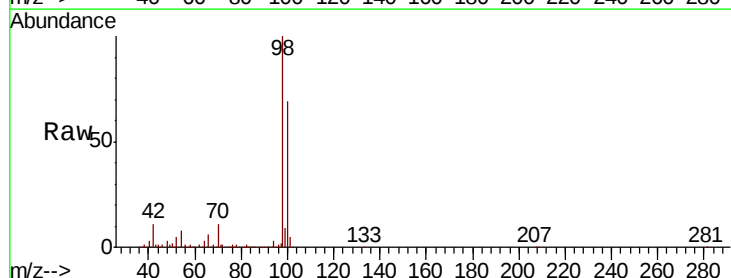
Acq: 03 Jun 2020 11:39

Tgt Ion: 98 Resp: 512528

Ion Ratio Lower Upper

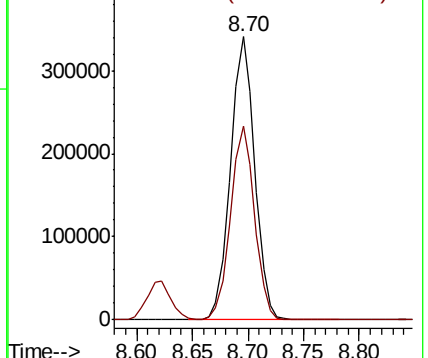
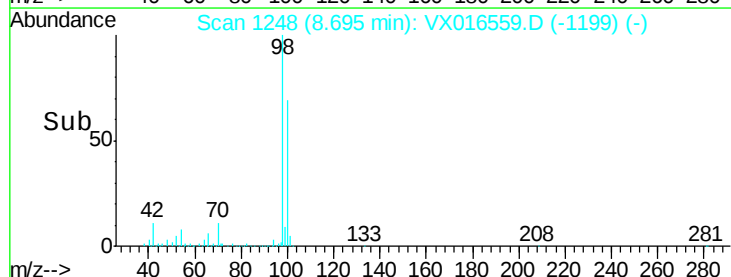
98 100

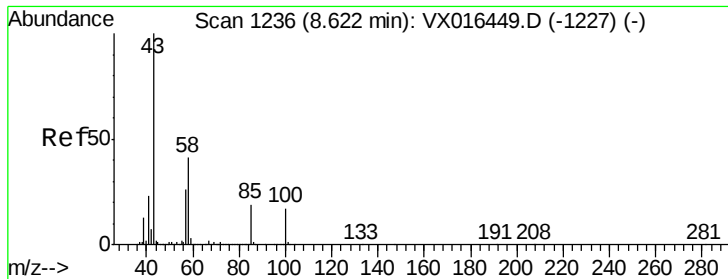
100 67.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 83.657 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

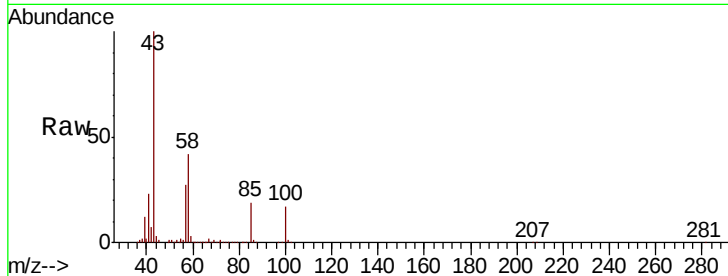
ClientSampleId :

Tot Ion: 43 Resp: 400764

Ion Ratio Lower Upper

43 100

58 42.6 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

250000

200000

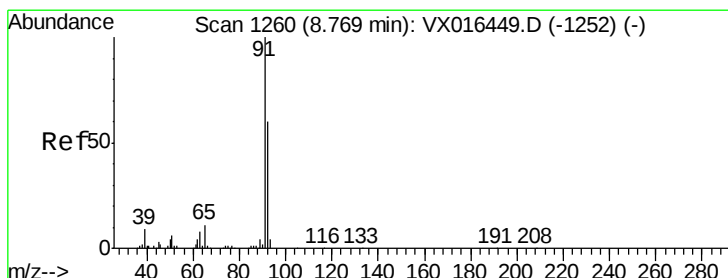
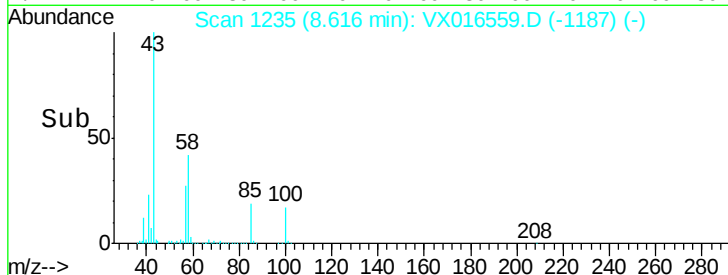
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.381 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016559.D

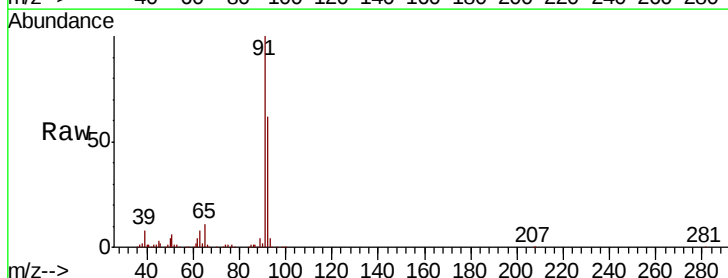
Acq: 03 Jun 2020 11:39

Tgt Ion: 92 Resp: 141808

Ion Ratio Lower Upper

92 100

91 167.0 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

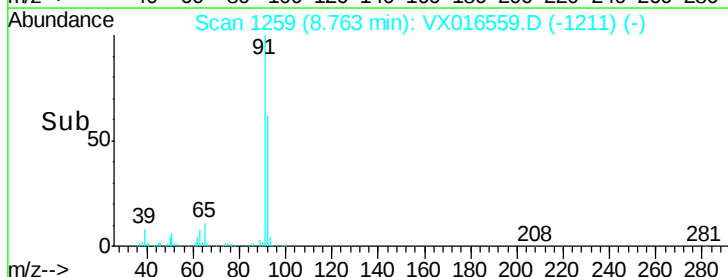
150000

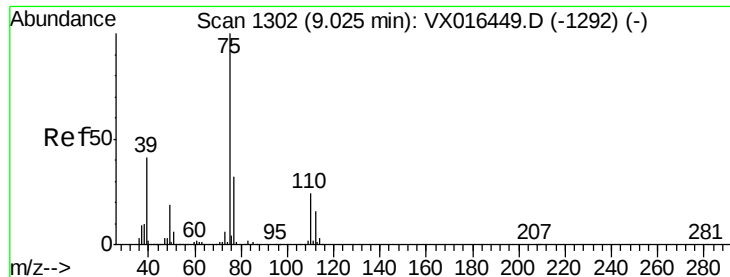
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.995 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

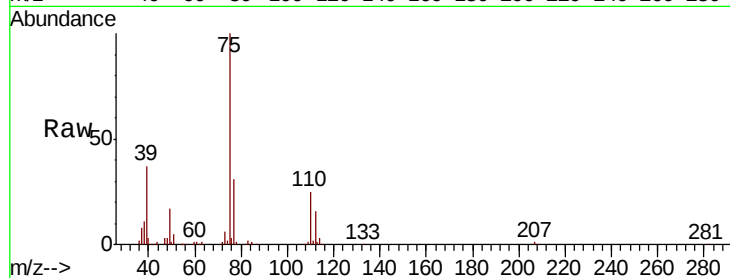
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 88636

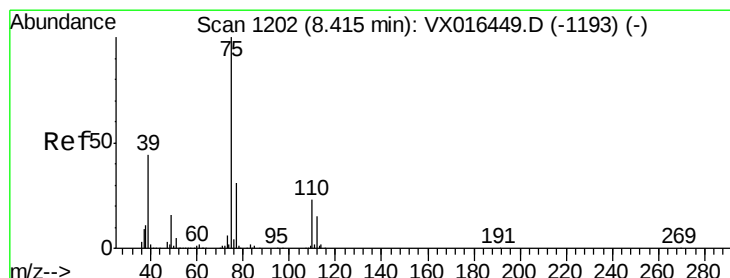
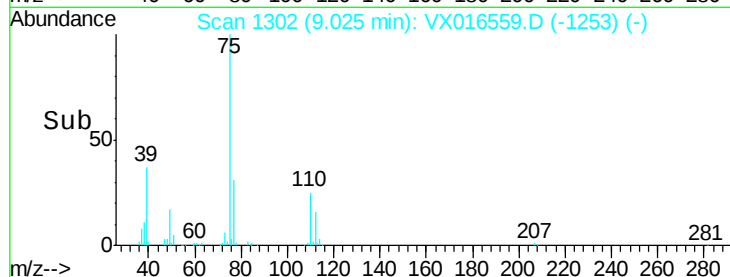
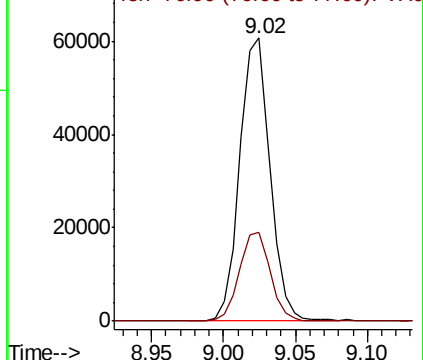
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.536 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

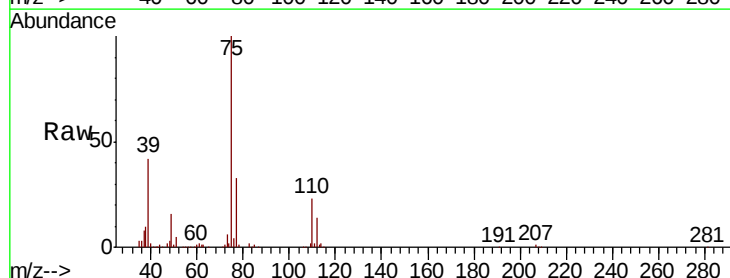
Tgt Ion: 75 Resp: 96639

Ion Ratio Lower Upper

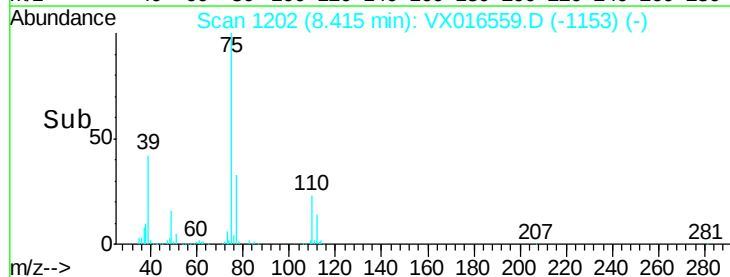
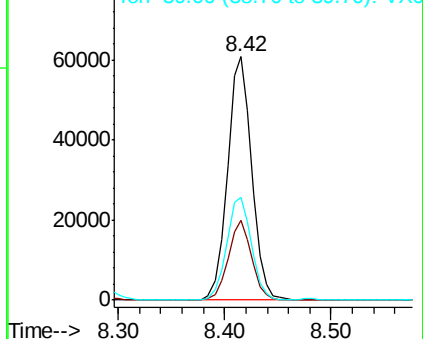
75 100

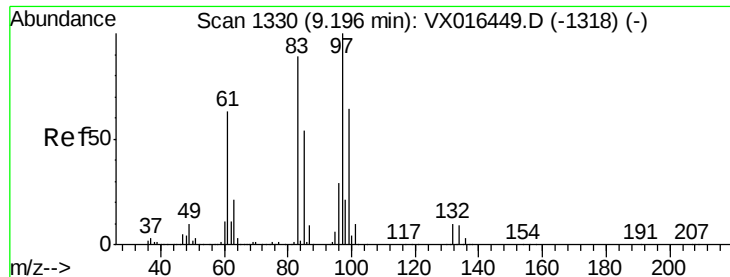
77 33.0 24.6 36.8

39 42.2 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 18.415 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 56489

Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.9	106.3
85	51.6	43.4	65.2
99	61.0	51.0	76.6

Abundance

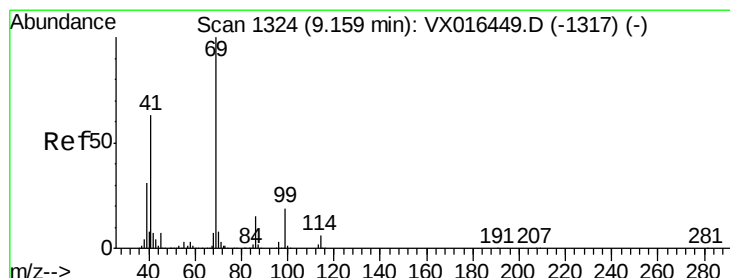
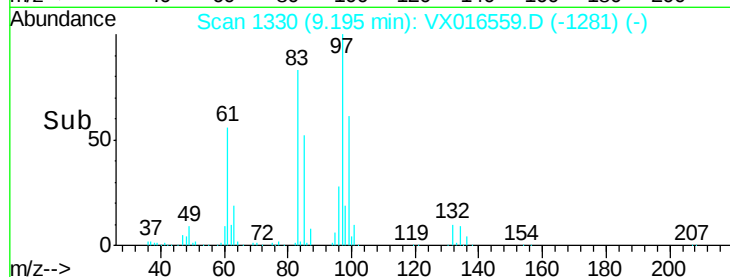
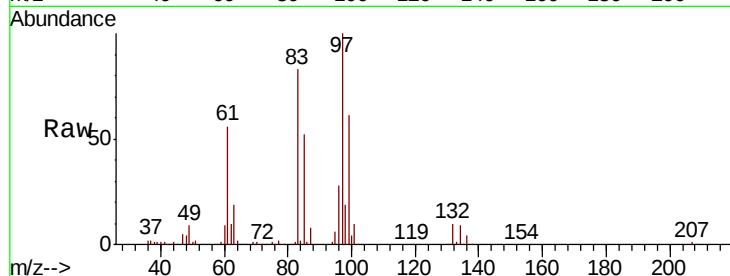
Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Time-->



#56

Ethyl methacrylate

Concen: 17.880 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Tgt Ion: 69 Resp: 89325

Ion	Ratio	Lower	Upper
69	100		
41	61.3	50.7	76.1
39	30.1	25.8	38.6

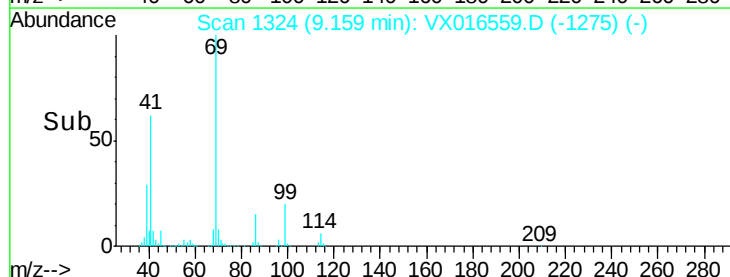
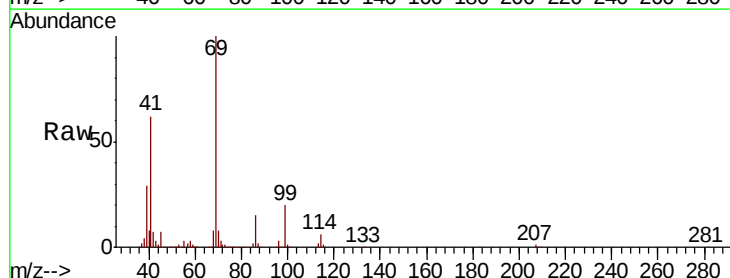
Abundance

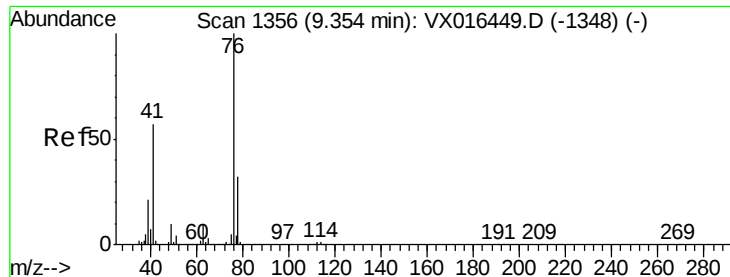
Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Time-->





#57

1,3-Dichloropropane

Concen: 18.191 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

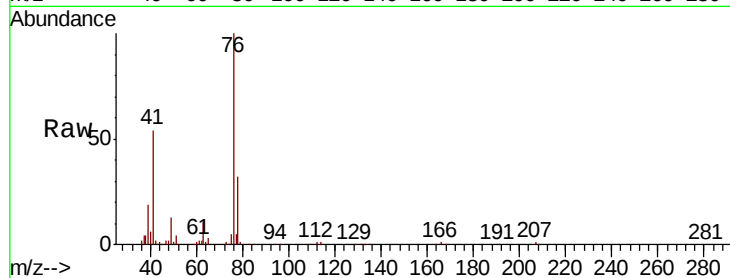
ClientSampleId :

Tot Ion: 76 Resp: 95780

Ion Ratio Lower Upper

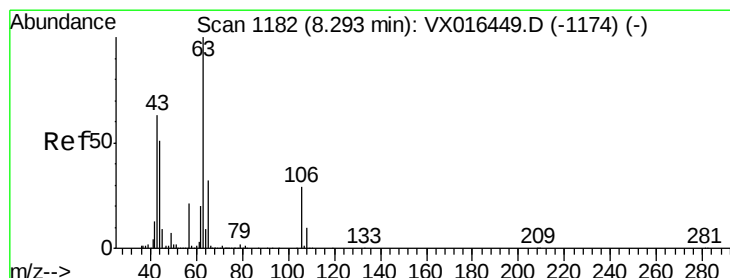
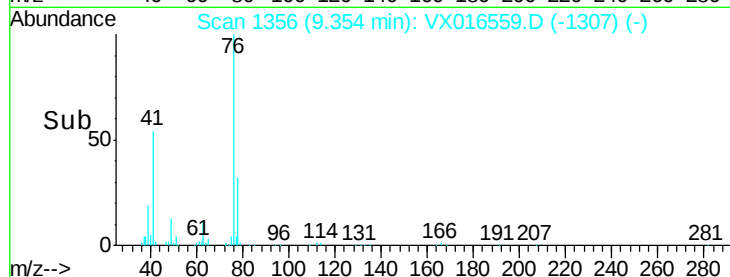
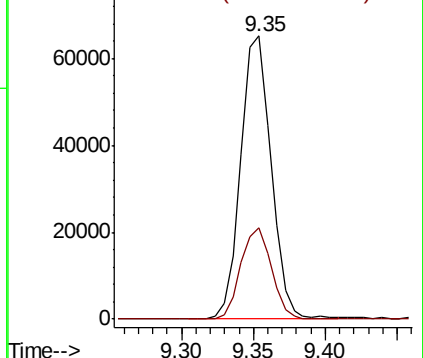
76 100

78 32.8 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 89.914 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX016559.D

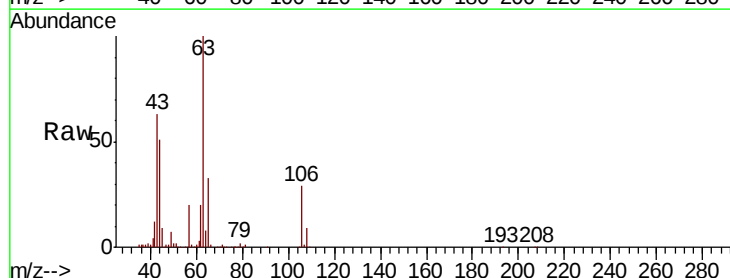
Acq: 03 Jun 2020 11:39

Tgt Ion: 63 Resp: 234461

Ion Ratio Lower Upper

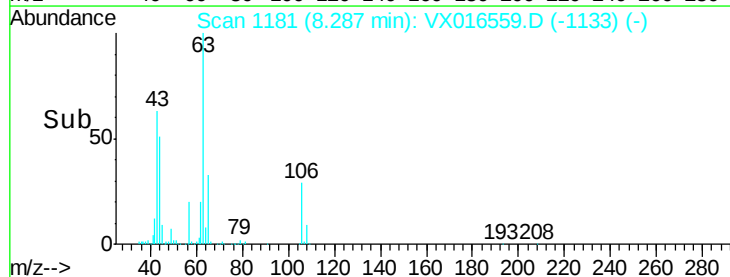
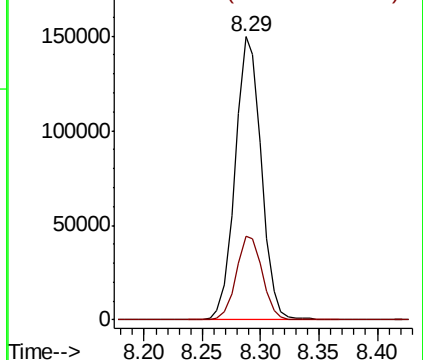
63 100

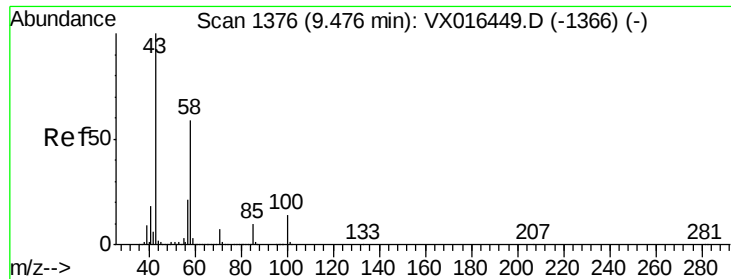
106 29.8 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

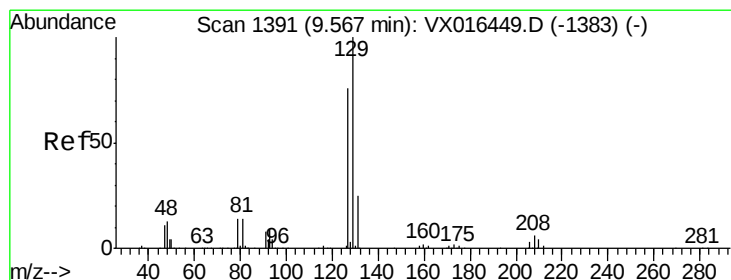
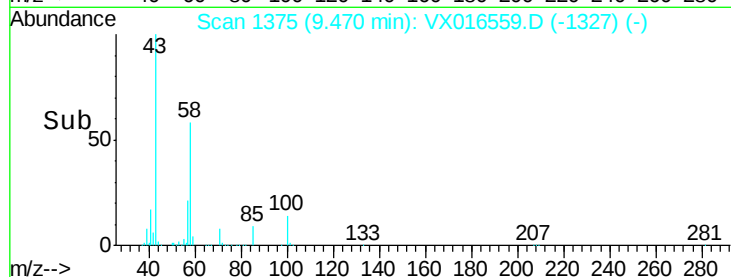
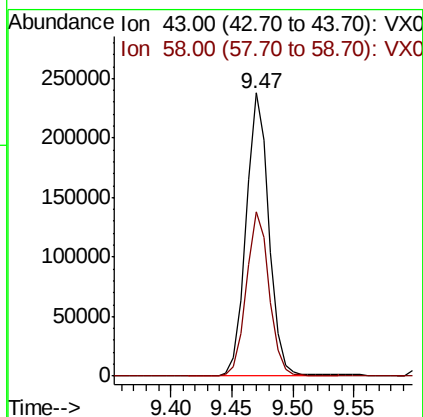
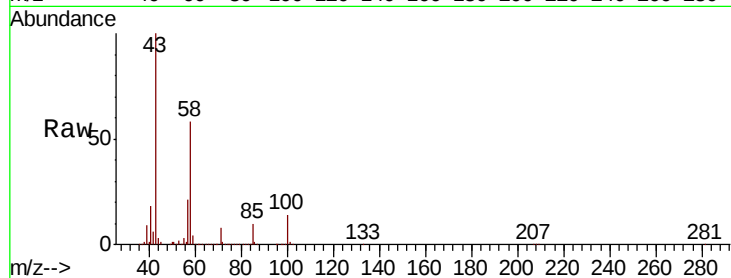




#59
2-Hexanone
Concen: 82.770 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

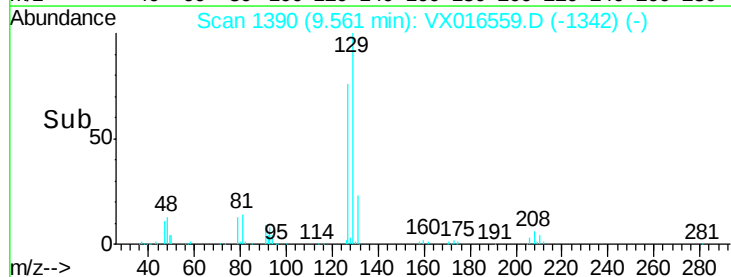
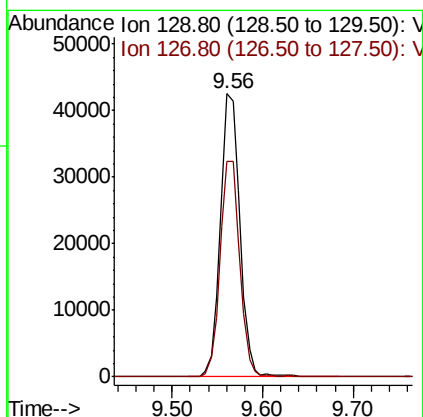
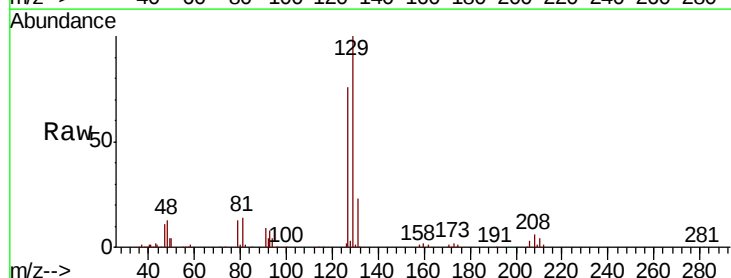
Instrument :
MSVOA_X
ClientSampled :

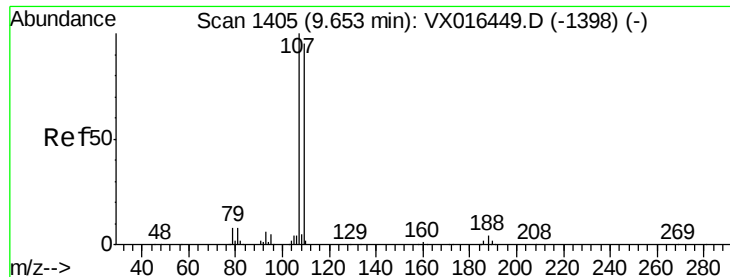
Tot Ion: 43 Resp: 308355
Ion Ratio Lower Upper
43 100
58 58.2 28.8 86.4



#60
Dibromochloromethane
Concen: 18.559 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion: 129 Resp: 64066
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 17.981 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

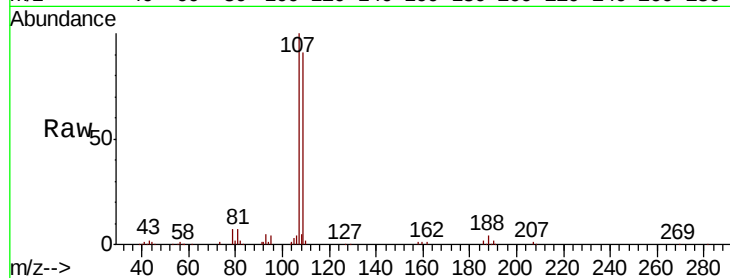
ClientSampleId :

Tot Ion:107 Resp: 59066

Ion Ratio Lower Upper

107 100

109 93.6 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

40000

30000

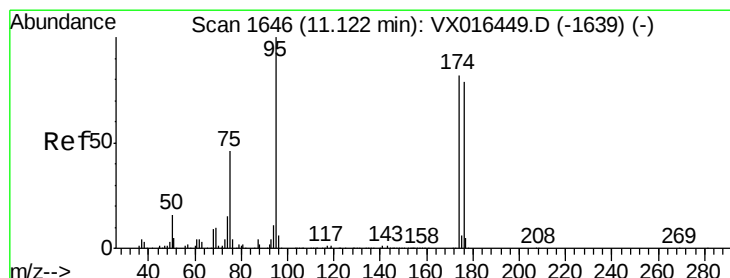
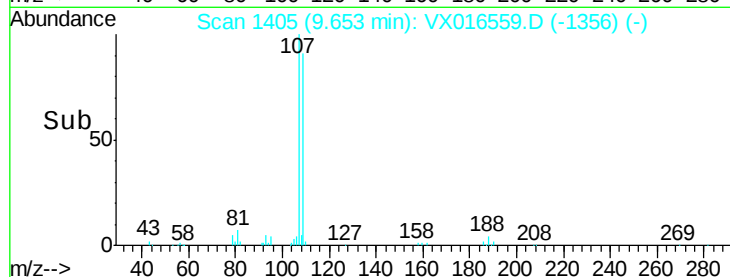
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.405 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

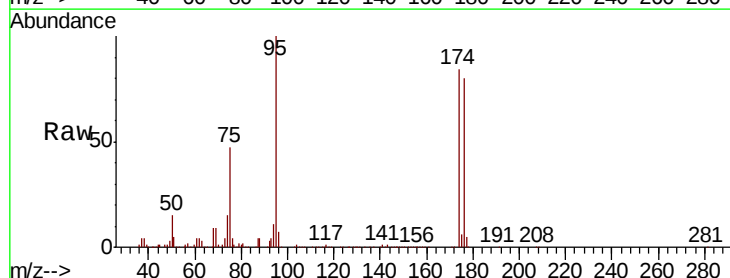
Tgt Ion: 95 Resp: 190487

Ion Ratio Lower Upper

95 100

174 83.2 0.0 163.0

176 80.8 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

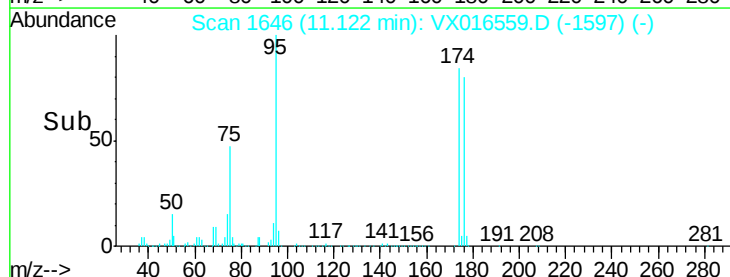
100000

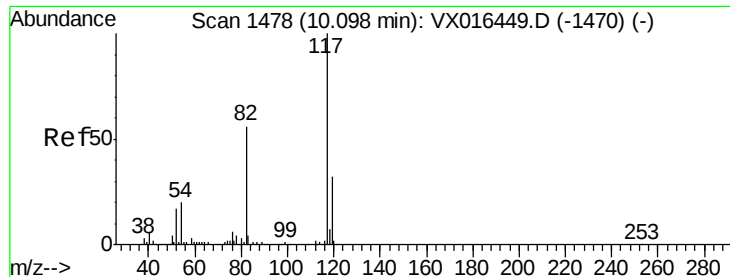
50000

0

Time-->

11.10 11.12 11.20

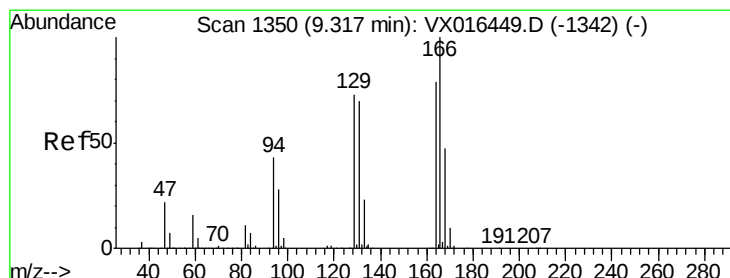
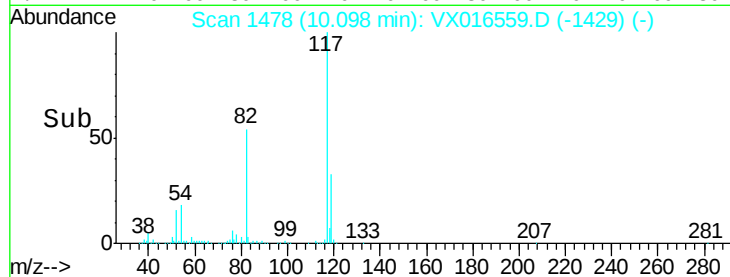
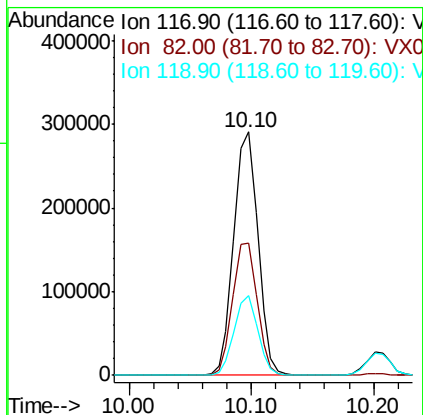
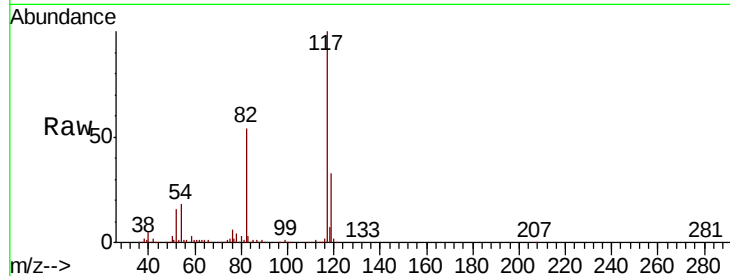




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

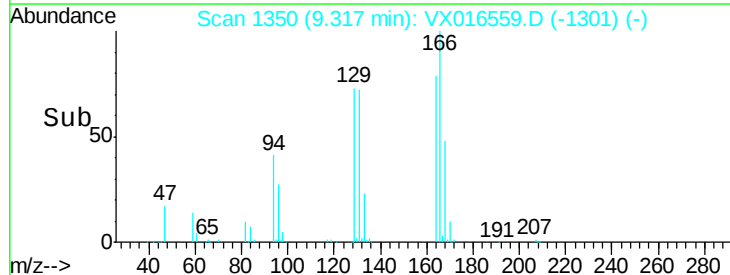
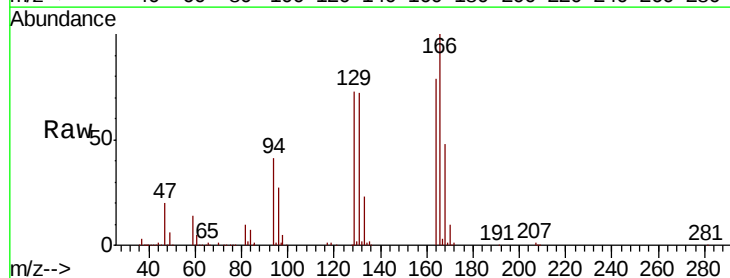
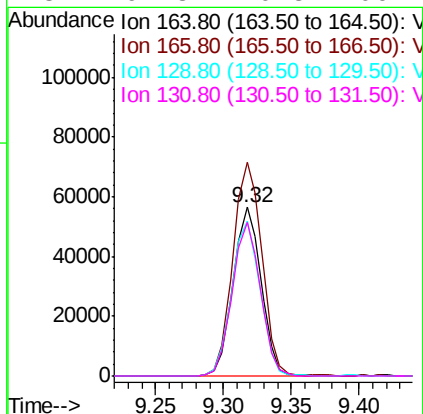
Instrument :
MSVOA_X
ClientSampleId :

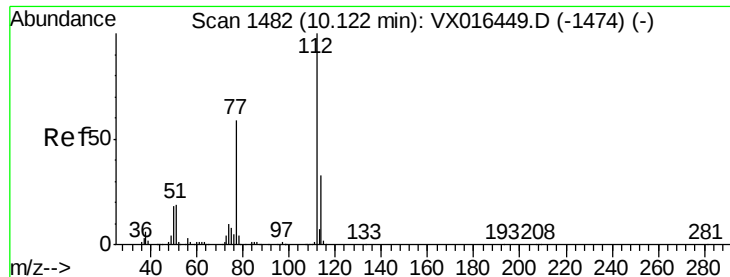
Tot Ion:117 Resp: 399156
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.6
119 32.6 25.8 38.8



#64
Tetrachloroethene
Concen: 18.262 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion:164 Resp: 81554
Ion Ratio Lower Upper
164 100
166 126.7 100.9 151.3
129 92.1 73.2 109.8
131 91.3 70.8 106.2





#65

Chlorobenzene

Concen: 18.468 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

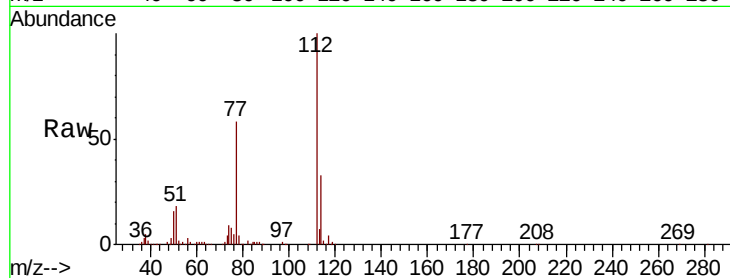
ClientSampleId :

Tot Ion:112 Resp: 150283

Ion Ratio Lower Upper

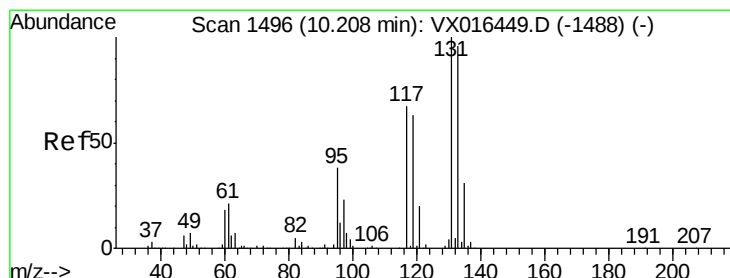
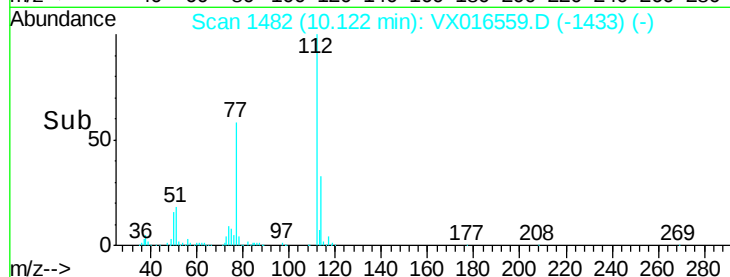
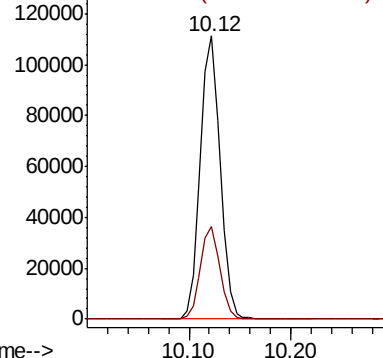
112 100

114 32.8 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.677 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

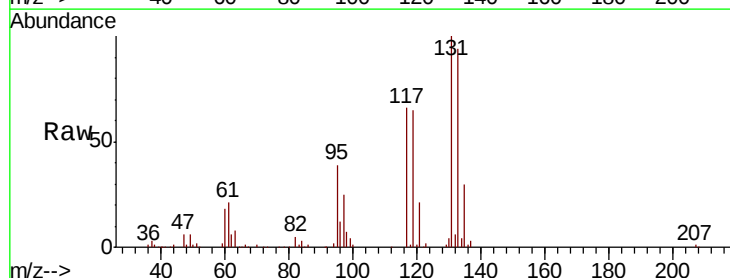
Tgt Ion:131 Resp: 58019

Ion Ratio Lower Upper

131 100

133 97.5 48.4 145.3

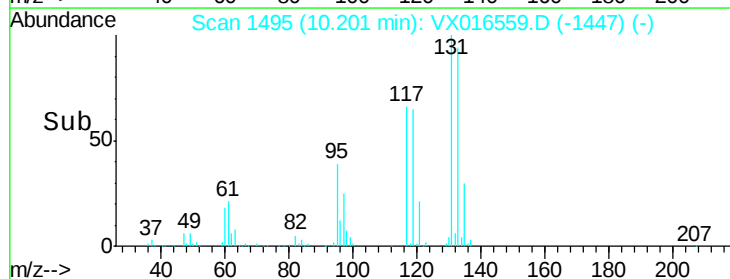
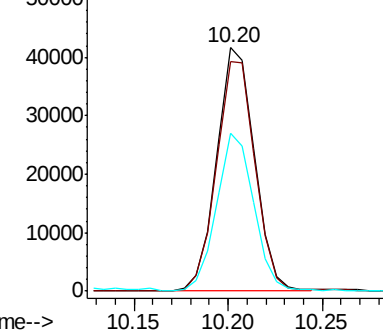
119 64.0 32.0 96.2

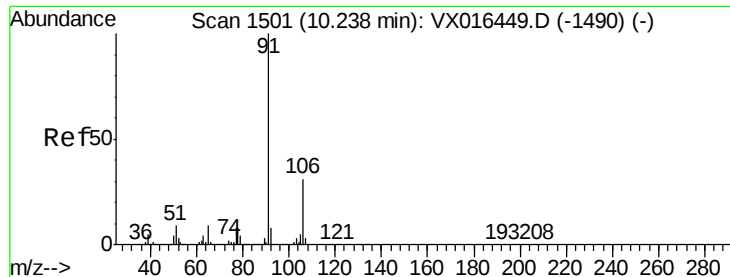


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.184 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

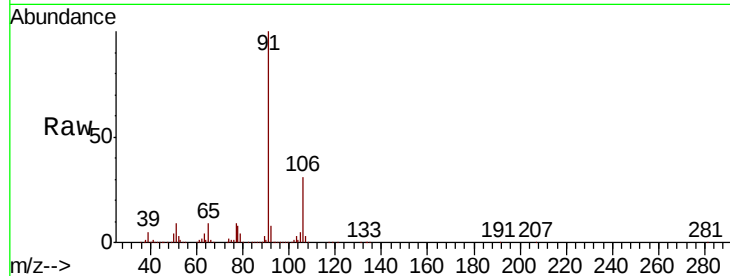
ClientSampleId :

Tot Ion: 91 Resp: 263457

Ion Ratio Lower Upper

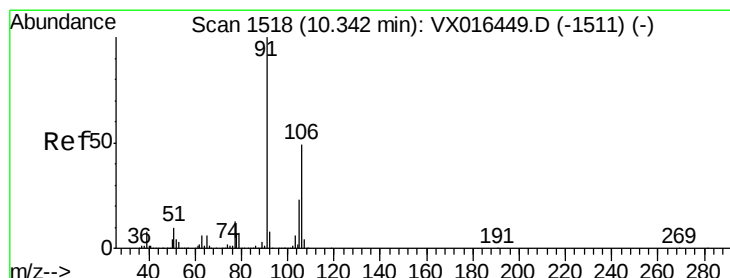
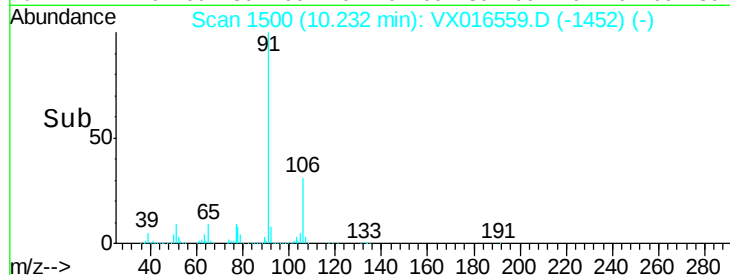
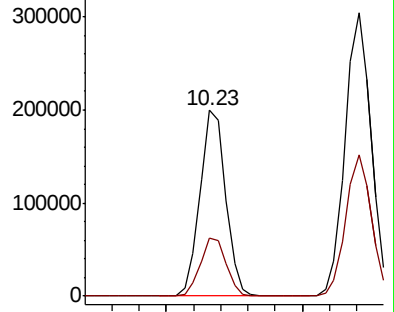
91 100

106 31.3 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX016449.D (-1490) (-)

Ion 106.00 (105.70 to 106.70): VX016449.D (-1490) (-)



#68

m/p-Xylenes

Concen: 37.366 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016559.D

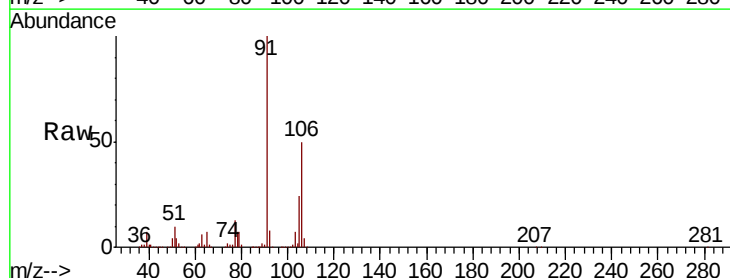
Acq: 03 Jun 2020 11:39

Tgt Ion: 106 Resp: 200728

Ion Ratio Lower Upper

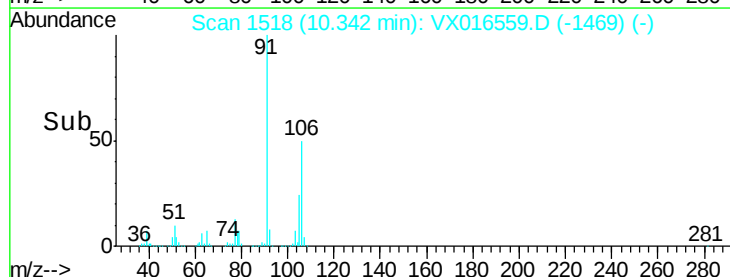
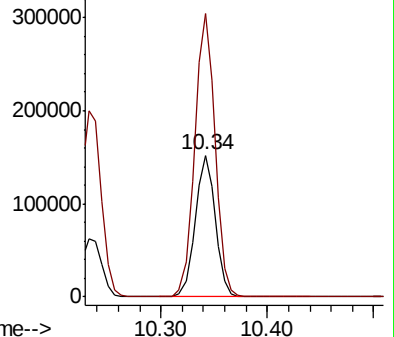
106 100

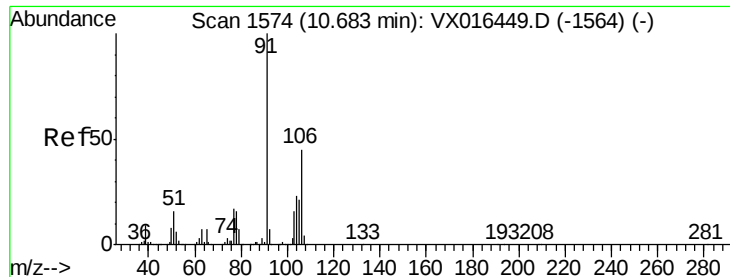
91 202.2 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VX016449.D (-1511) (-)

Ion 91.00 (90.70 to 91.70): VX016449.D (-1511) (-)

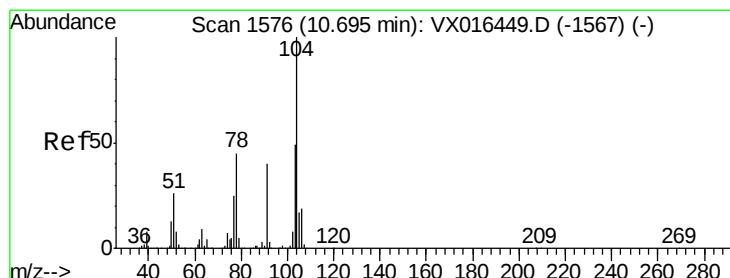
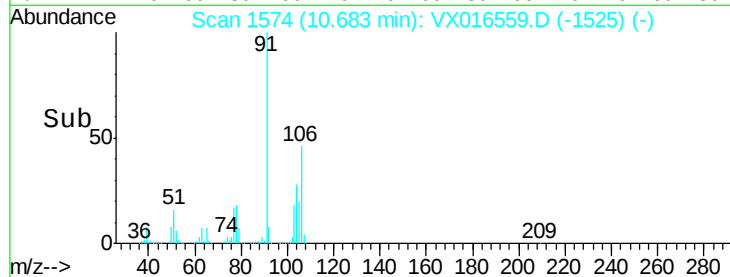
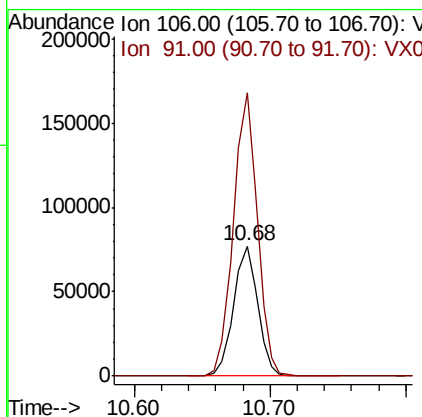
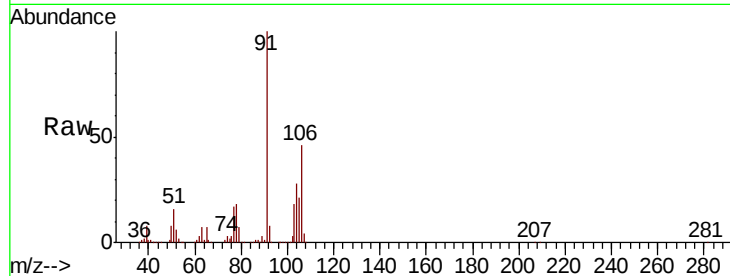




#69
o-Xylene
Concen: 18.332 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

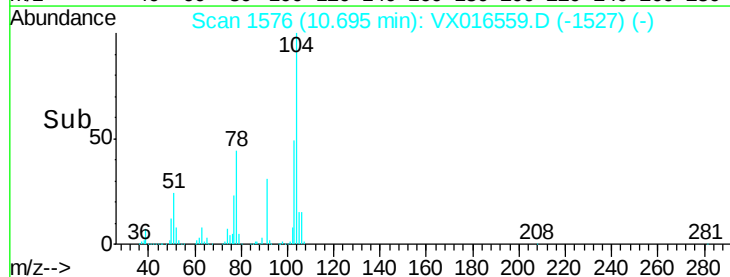
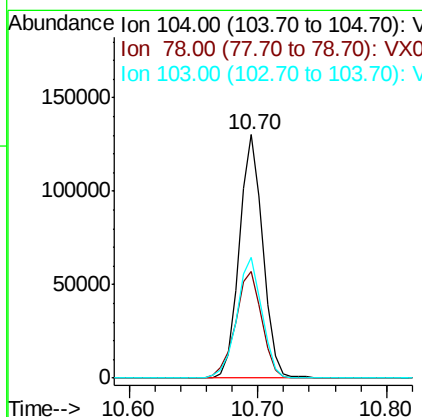
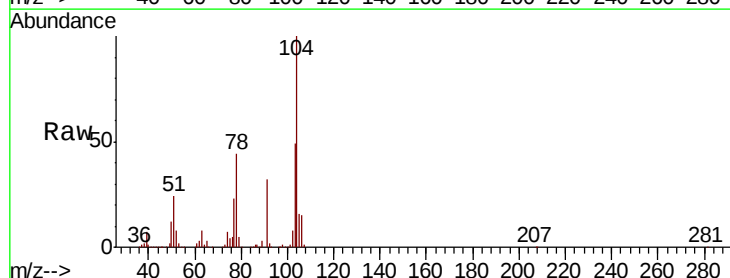
Instrument :
MSVOA_X
ClientSampleId :

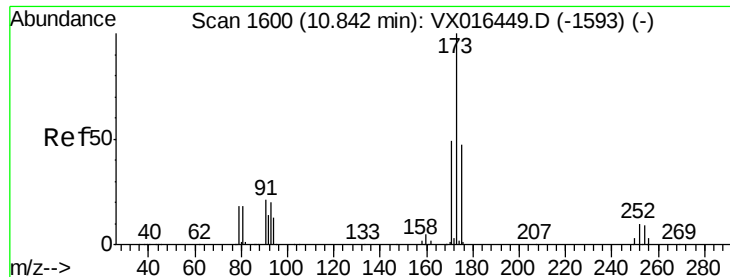
Tot Ion:106 Resp: 95371
Ion Ratio Lower Upper
106 100
91 216.8 109.6 328.8



#70
Styrene
Concen: 18.336 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion:104 Resp: 163970
Ion Ratio Lower Upper
104 100
78 49.5 40.2 60.2
103 53.6 43.1 64.7





#71

Bromoform

Concen: 17.762 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

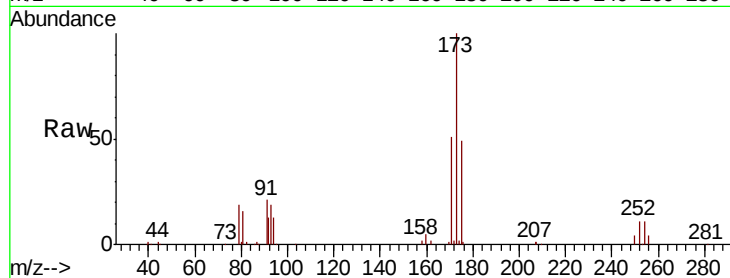
Tot Ion:173 Resp: 46632

Ion Ratio Lower Upper

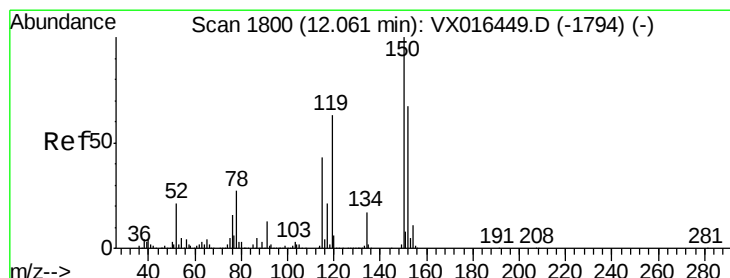
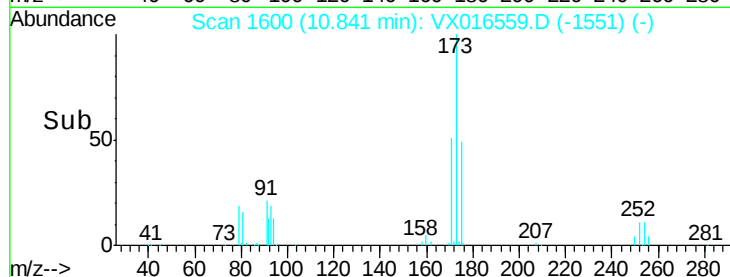
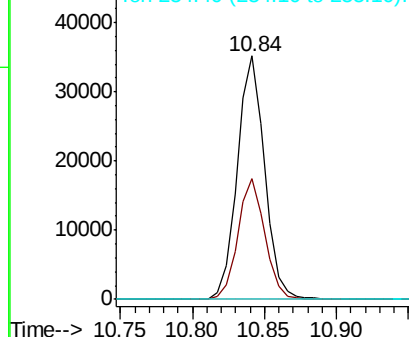
173 100

175 48.7 23.9 71.7

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

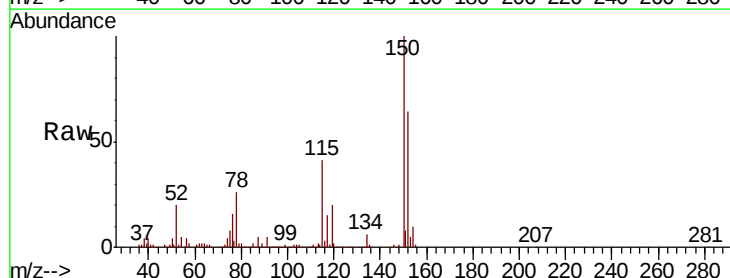
Tgt Ion:152 Resp: 190754

Ion Ratio Lower Upper

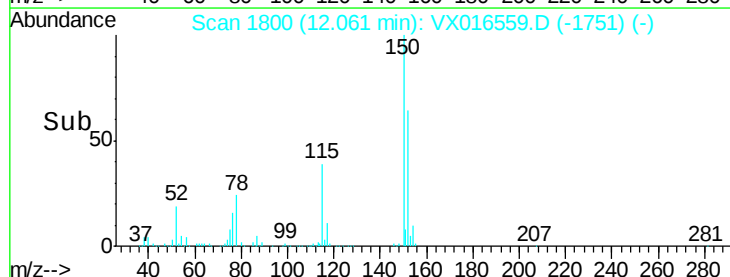
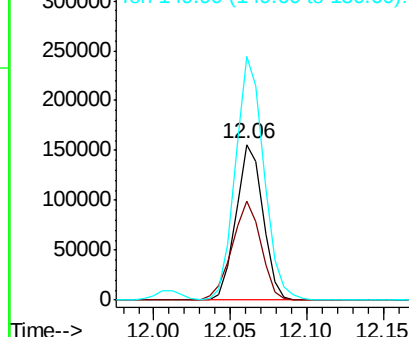
152 100

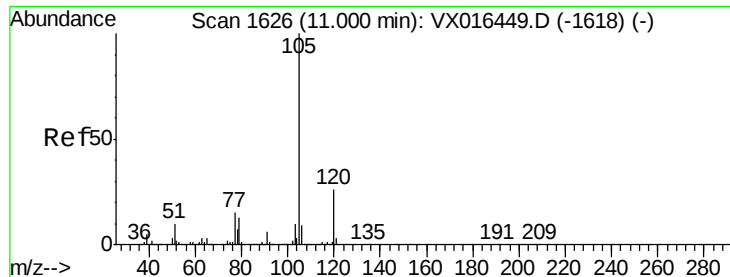
115 68.5 39.9 119.6

150 164.4 0.0 341.0



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





#73

Isopropylbenzene

Concen: 19.465 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

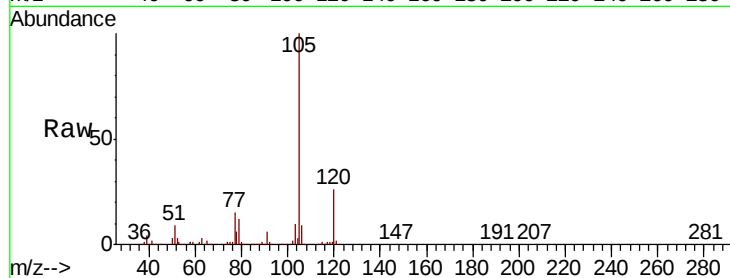
ClientSampleId :

Tot Ion: 105 Resp: 257264

Ion Ratio Lower Upper

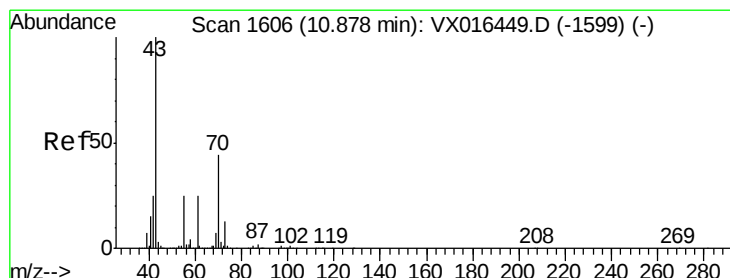
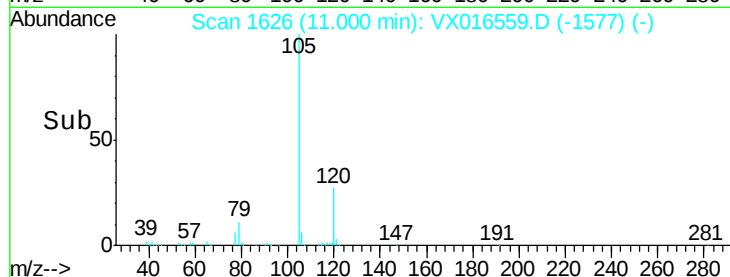
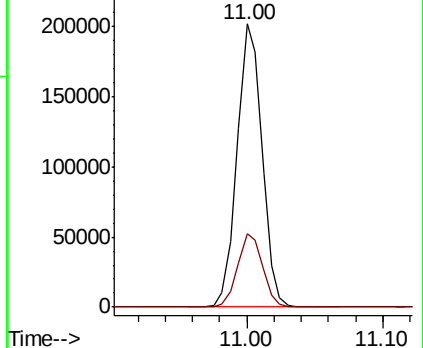
105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.387 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Tgt Ion: 43 Resp: 105703

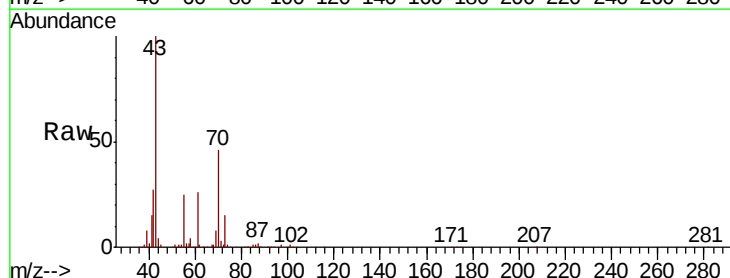
Ion Ratio Lower Upper

43 100

70 48.1 36.1 54.1

55 26.4 20.2 30.4

61 26.3 20.3 30.5

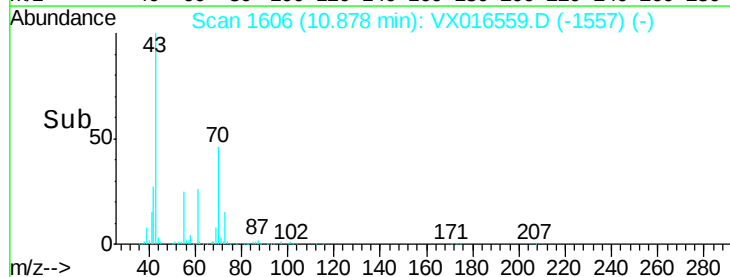
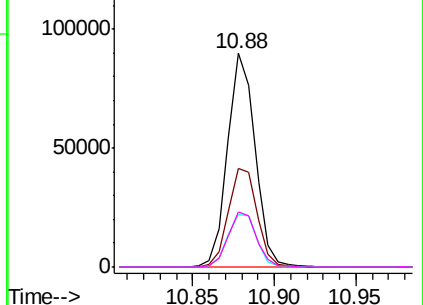


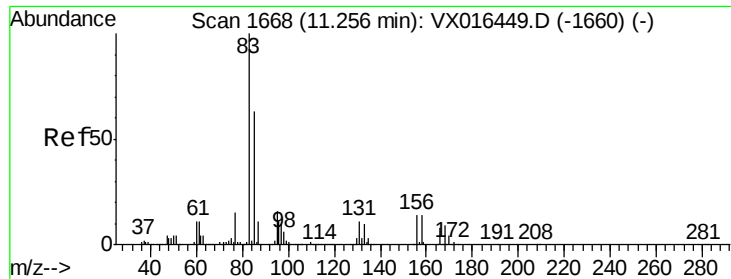
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.429 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

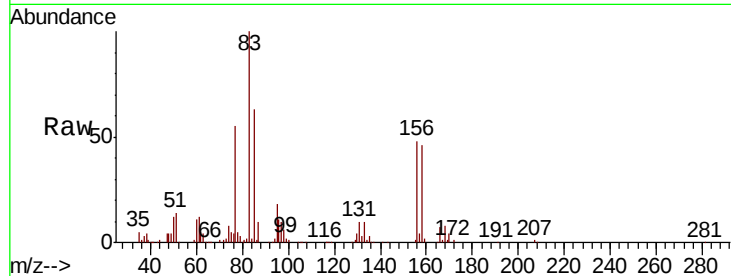
Tot Ion: 83 Resp: 61044

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

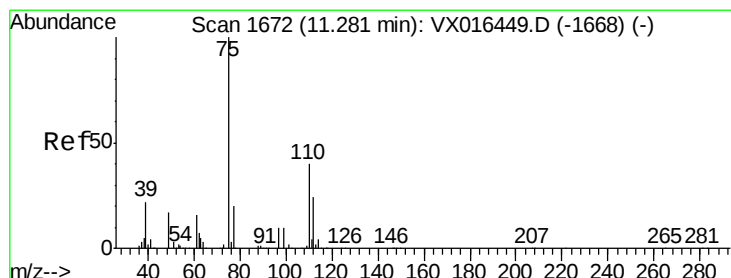
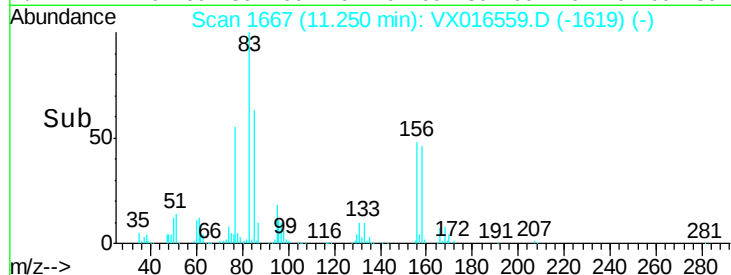
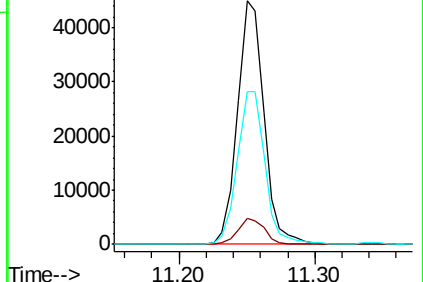
85 65.4 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.057 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016559.D

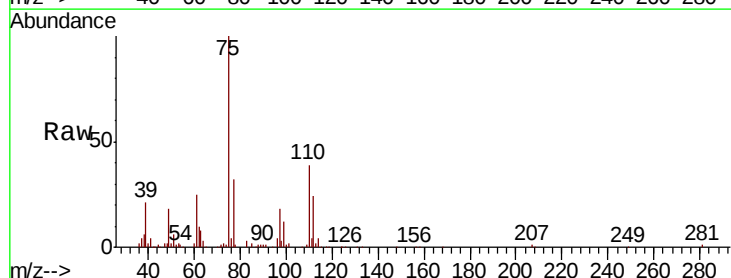
Acq: 03 Jun 2020 11:39

Tgt Ion: 75 Resp: 100868

Ion Ratio Lower Upper

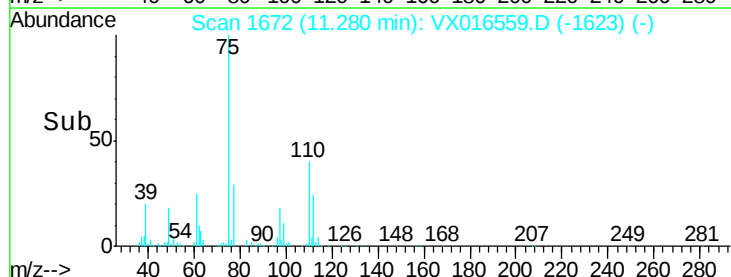
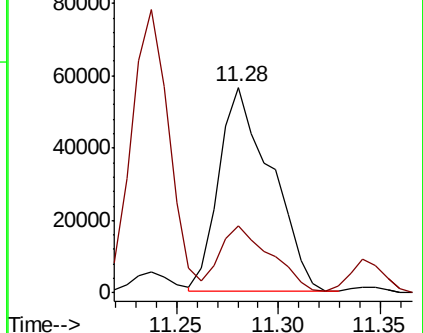
75 100

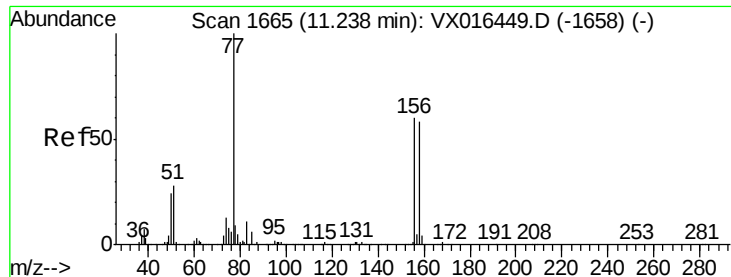
77 31.8 21.3 63.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.882 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

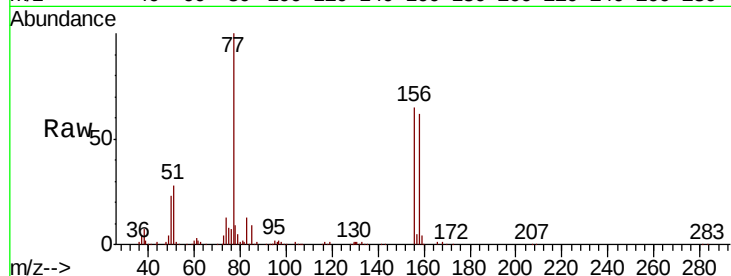
Tot Ion:156 Resp: 65456

Ion Ratio Lower Upper

156 100

77 154.2 79.6 238.8

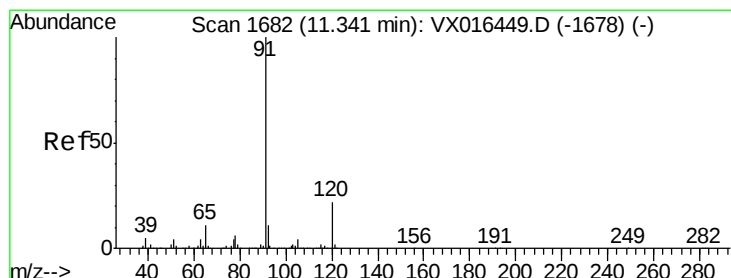
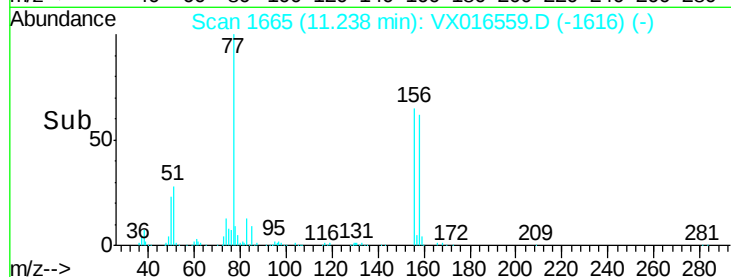
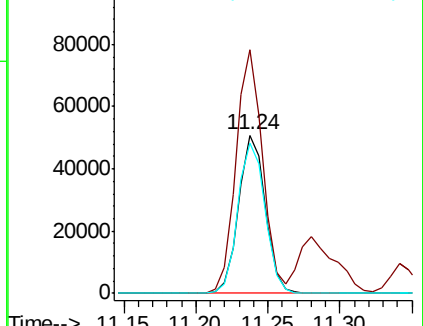
158 97.4 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.281 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016559.D

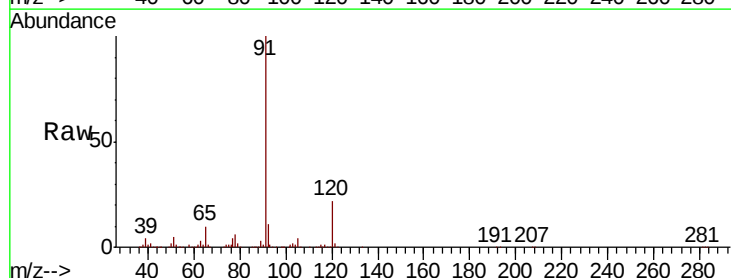
Acq: 03 Jun 2020 11:39

Tgt Ion: 91 Resp: 284701

Ion Ratio Lower Upper

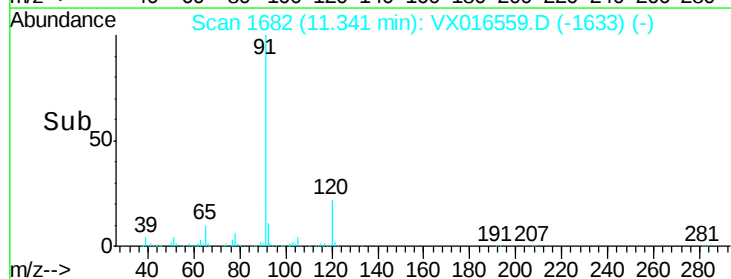
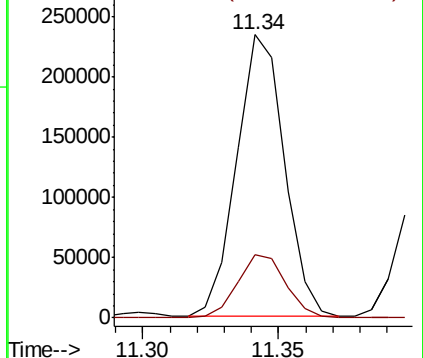
91 100

120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

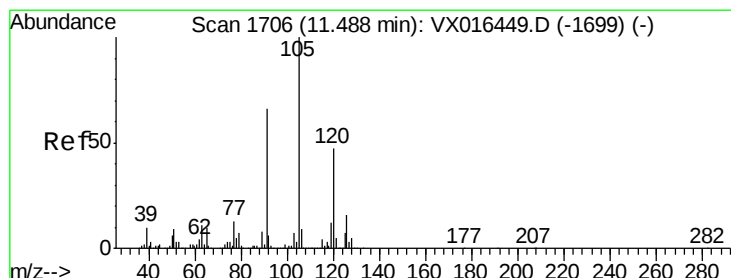
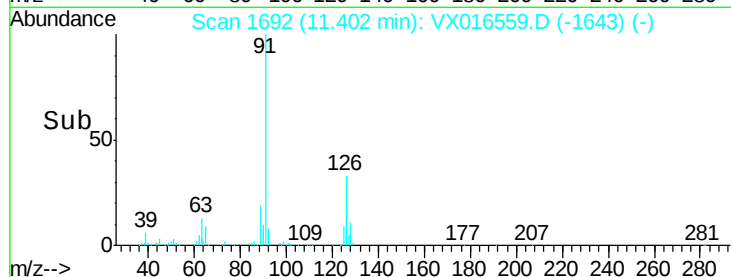
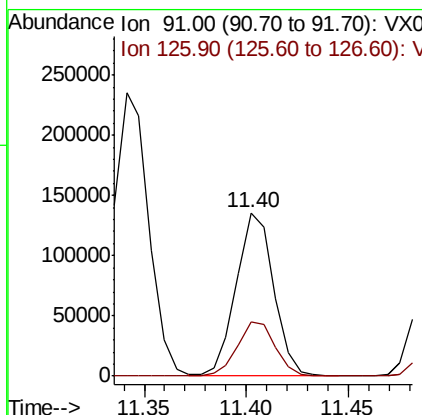
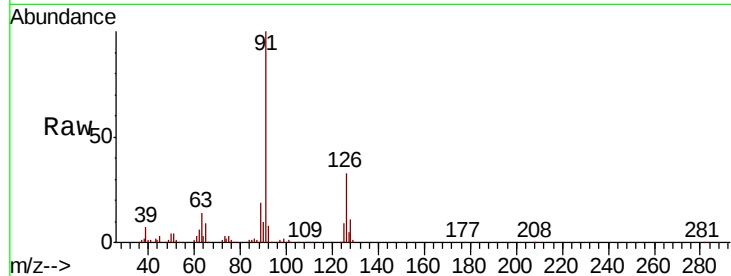




#79
 2-Chlorotoluene
 Concen: 19.019 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

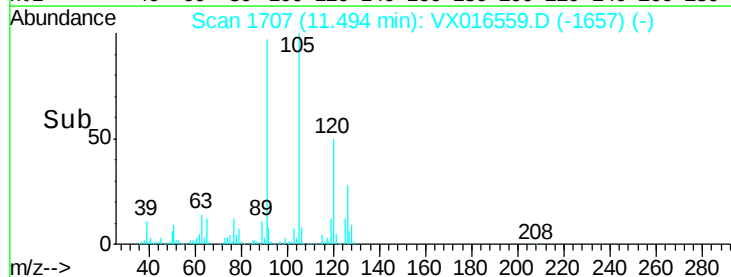
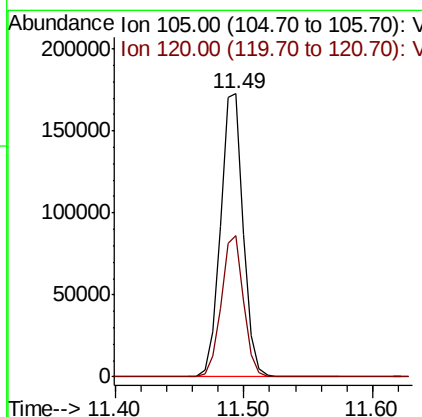
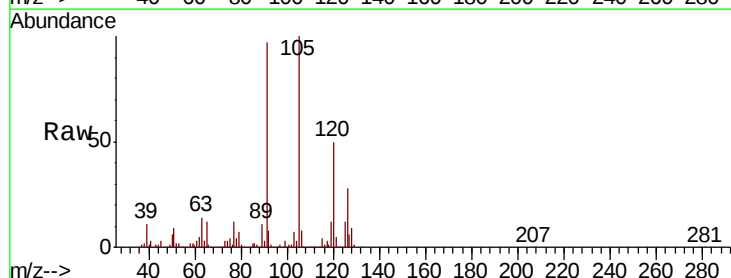
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 91 Resp: 171426
 Ion Ratio Lower Upper
 91 100
 126 33.9 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.425 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

Tgt Ion: 105 Resp: 214369
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.877 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

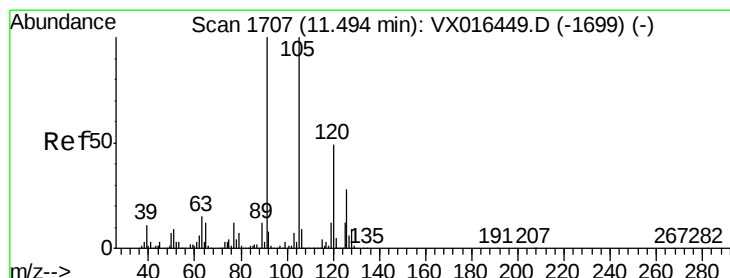
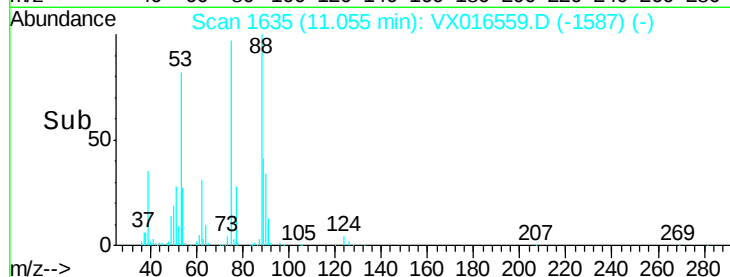
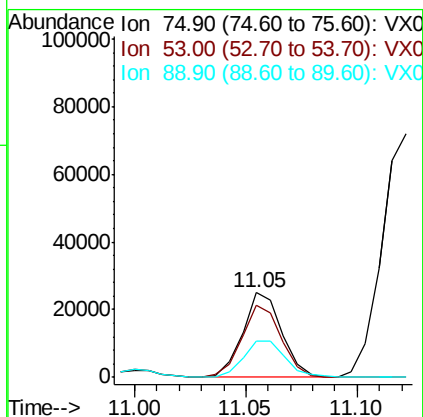
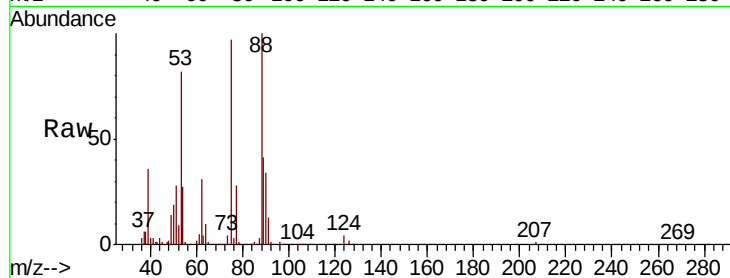
Tot Ion: 75 Resp: 30472

Ion Ratio Lower Upper

75 100

53 86.3 71.3 106.9

89 47.4 36.6 55.0



#82

4-Chlorotoluene

Concen: 19.089 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016559.D

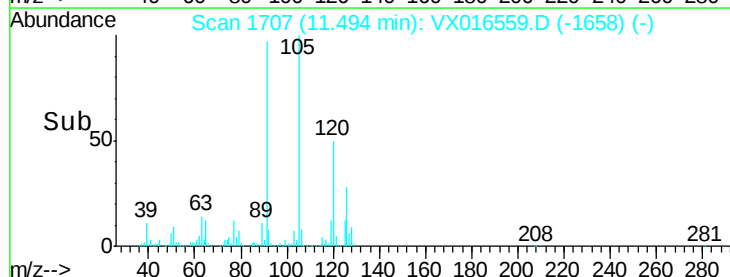
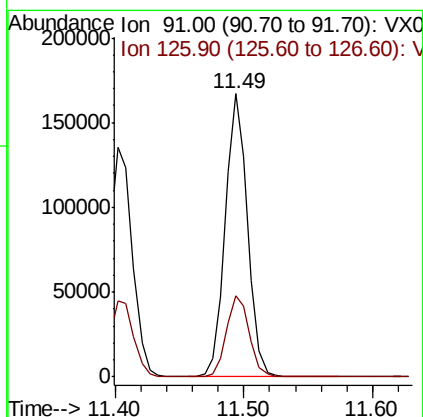
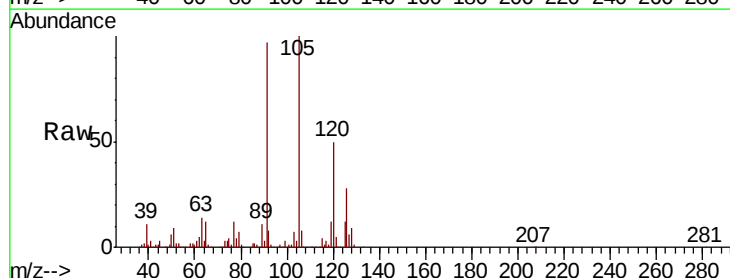
Acq: 03 Jun 2020 11:39

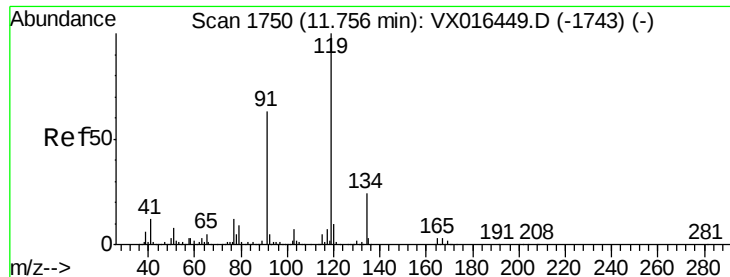
Tgt Ion: 91 Resp: 203178

Ion Ratio Lower Upper

91 100

126 29.6 14.7 44.1





#83

tert-Butylbenzene

Concen: 19.738 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampleId :

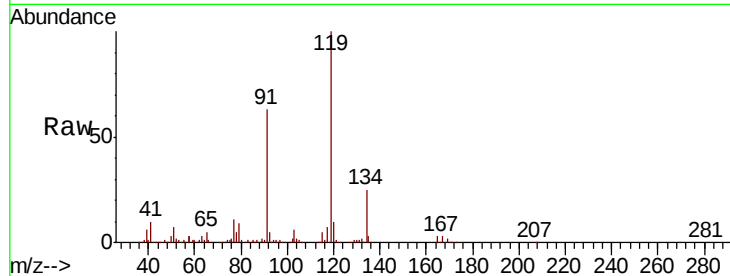
Tot Ion:119 Resp: 186125

Ion Ratio Lower Upper

119 100

91 62.6 31.3 93.8

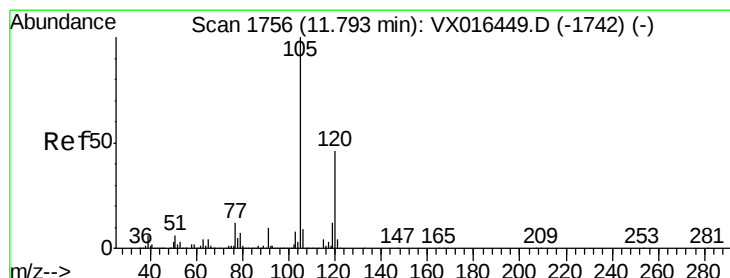
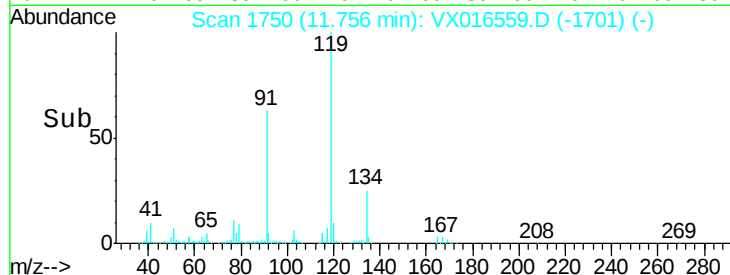
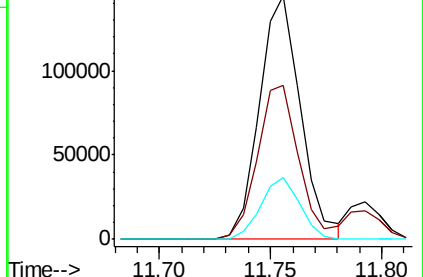
134 24.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.479 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016559.D

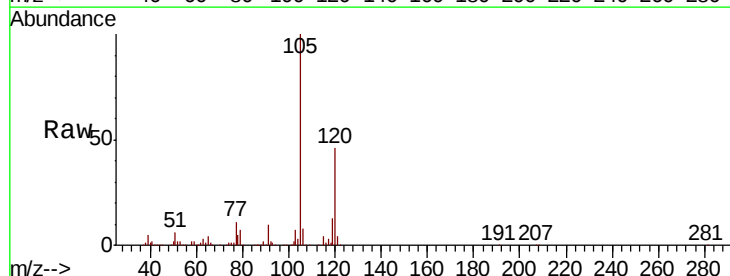
Acq: 03 Jun 2020 11:39

Tgt Ion:105 Resp: 217398

Ion Ratio Lower Upper

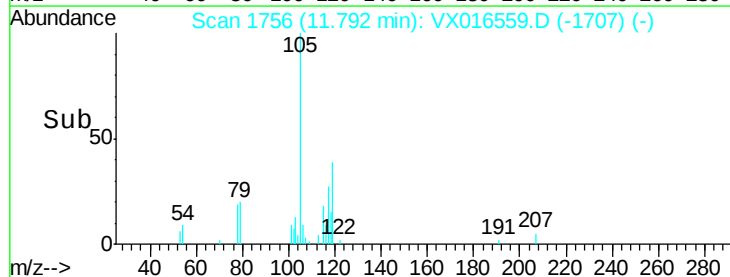
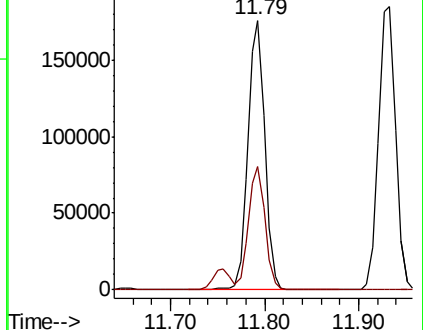
105 100

120 45.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.713 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

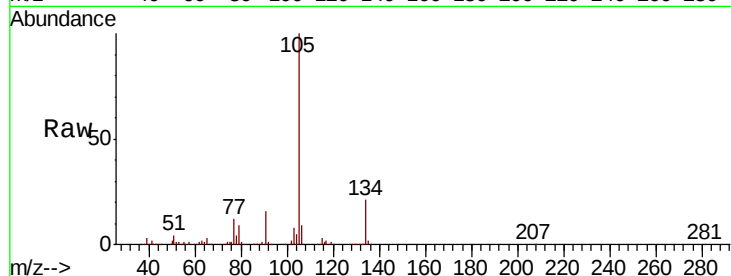
ClientSampleId :

Tot Ion:105 Resp: 233195

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

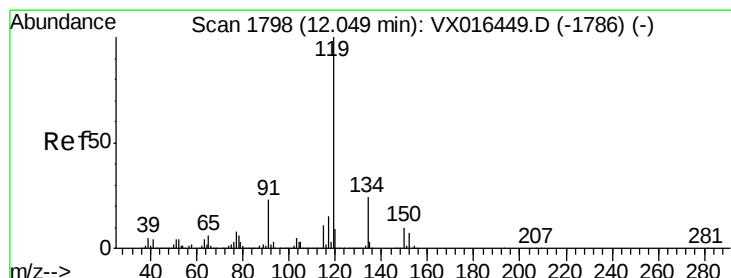
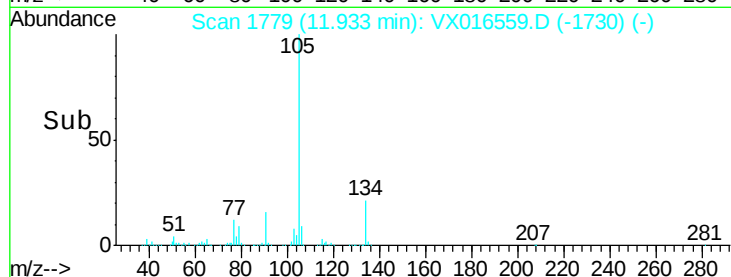
100000

50000

0

11.90 11.93 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.051 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

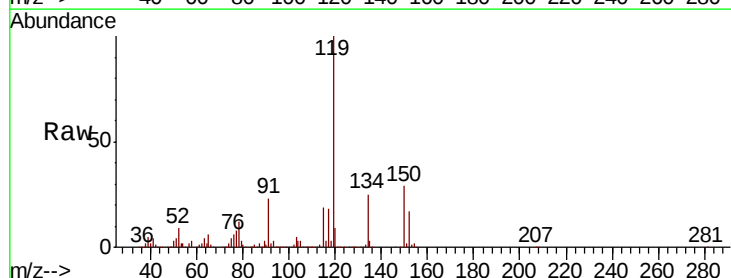
Tgt Ion:119 Resp: 222184

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 23.6 11.7 35.0



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

250000

200000

150000

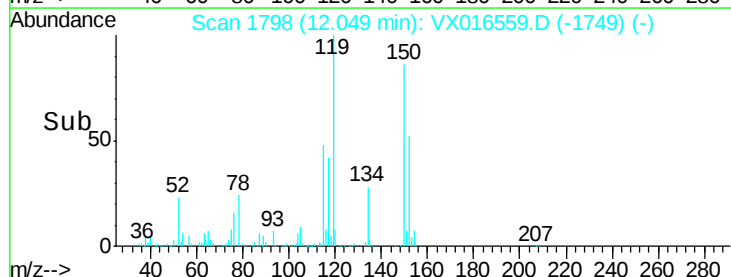
100000

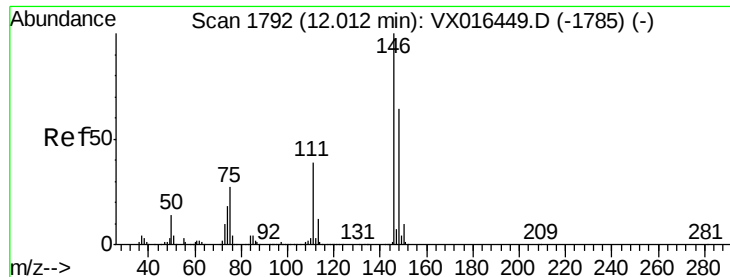
50000

0

12.00 12.05 12.10

Time-->

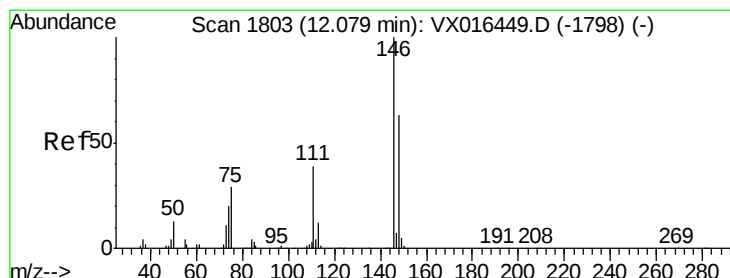
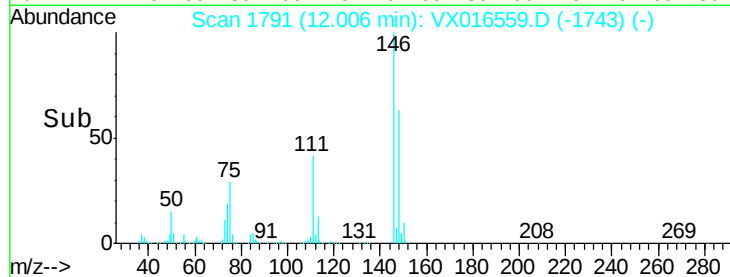
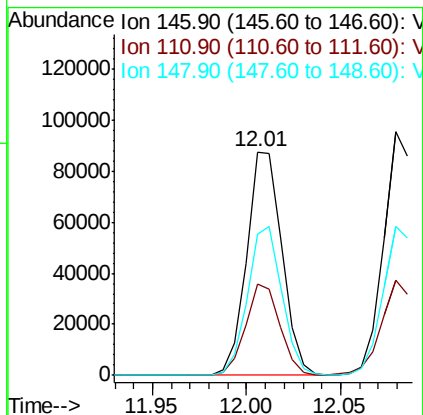
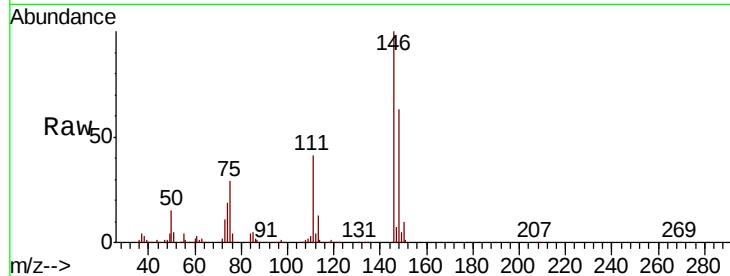




#87
 1,3-Dichlorobenzene
 Concen: 18.971 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

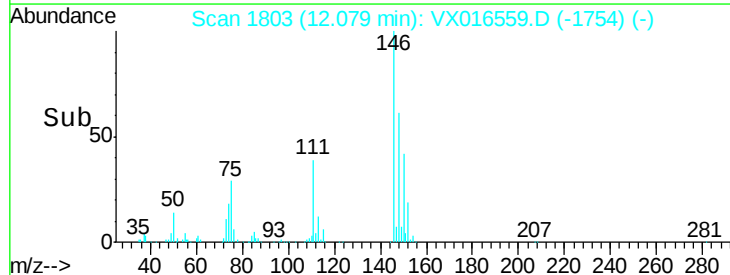
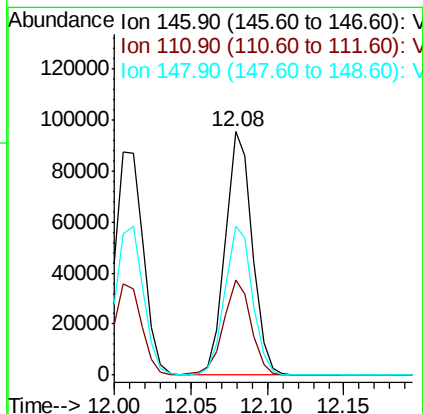
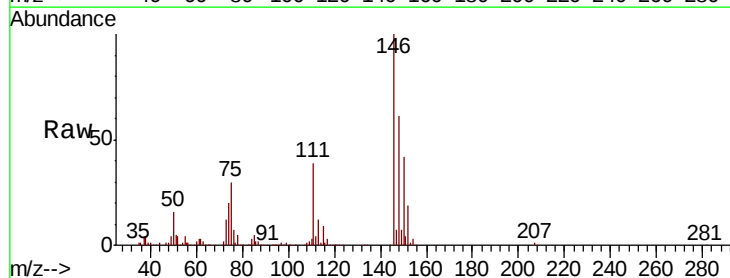
Instrument :
 MSVOA_X
 ClientSampleId :

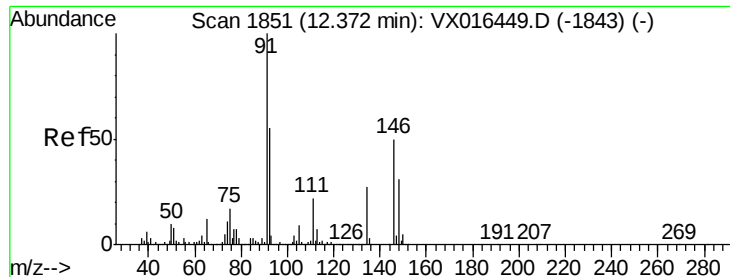
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	65.0	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.832 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.4	58.2
148	63.5	31.4	94.3

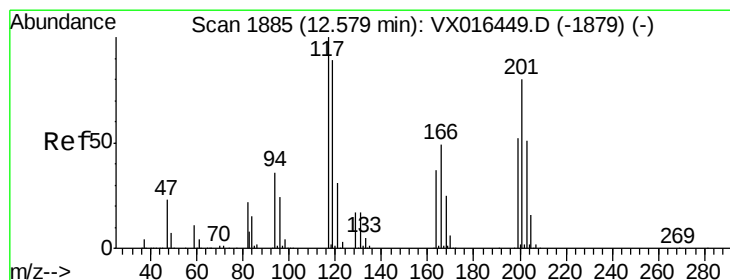
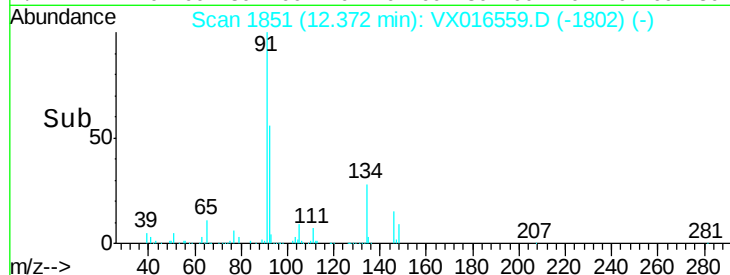
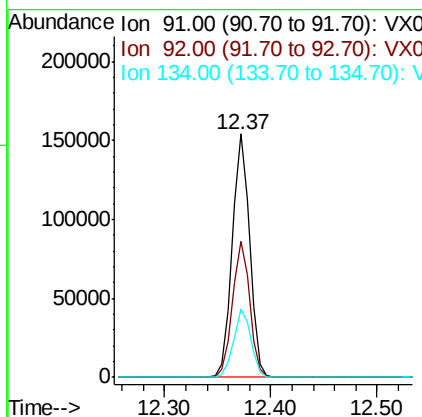
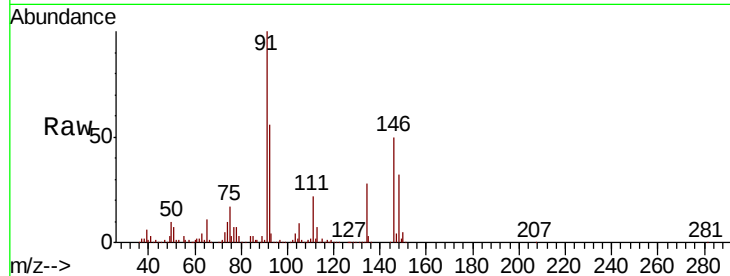




#89
n-Butylbenzene
Concen: 19.254 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

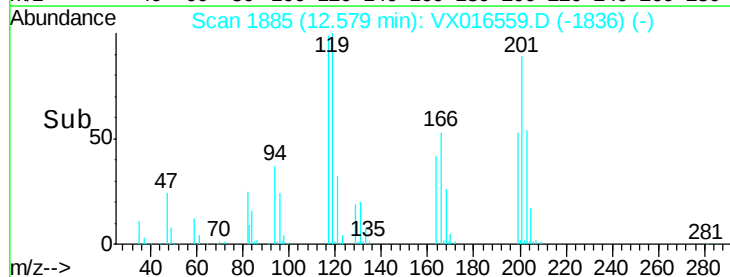
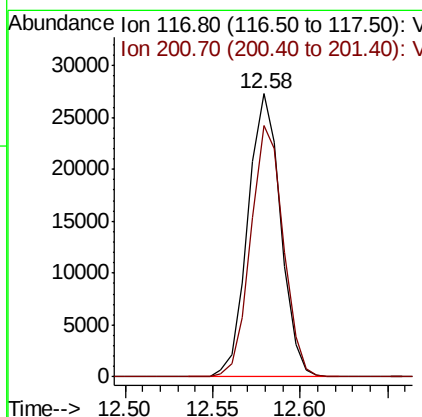
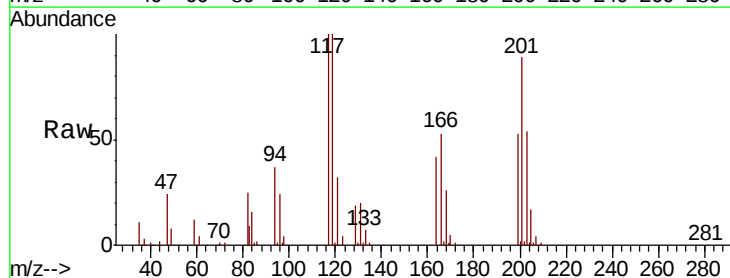
Instrument :
MSVOA_X
ClientSampleId :

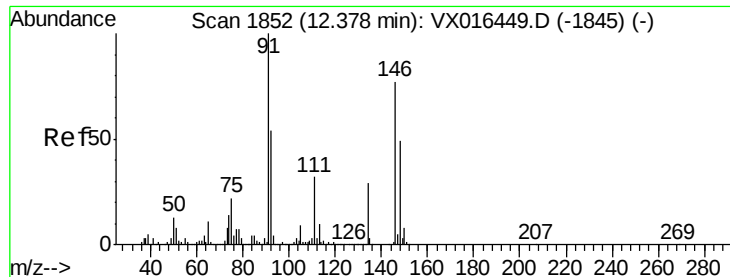
Tot Ion: 91 Resp: 177707
Ion Ratio Lower Upper
91 100
92 55.2 27.2 81.5
134 27.8 13.1 39.3



#90
Hexachloroethane
Concen: 18.565 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016559.D
Acq: 03 Jun 2020 11:39

Tgt Ion: 117 Resp: 35534
Ion Ratio Lower Upper
117 100
201 88.1 43.1 129.3





#91

1,2-Dichlorobenzene

Concen: 18.817 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampled :

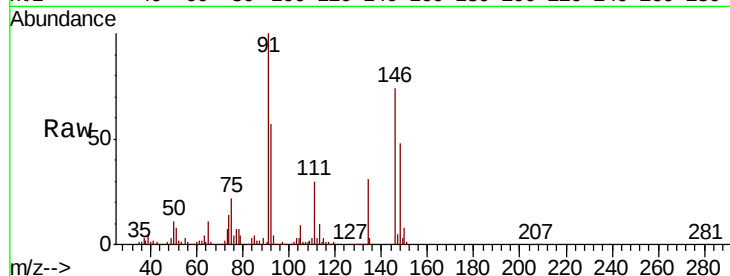
Tot Ion:146 Resp: 109492

Ion Ratio Lower Upper

146 100

111 41.0 21.4 64.3

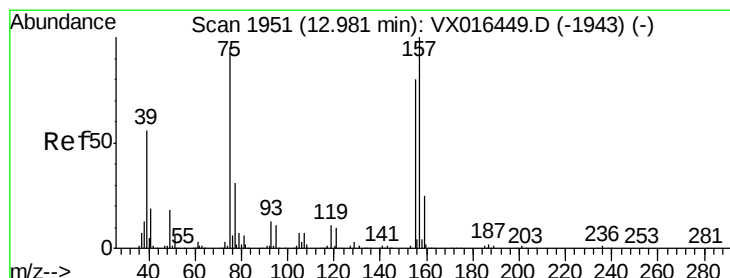
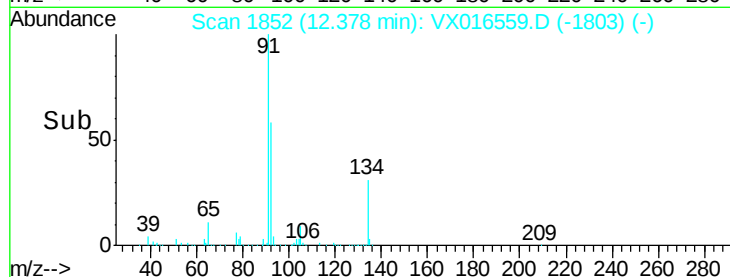
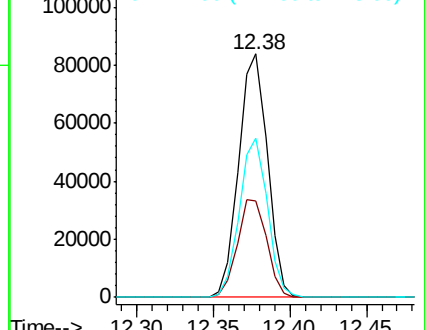
148 63.6 31.9 95.7



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: 16.974 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

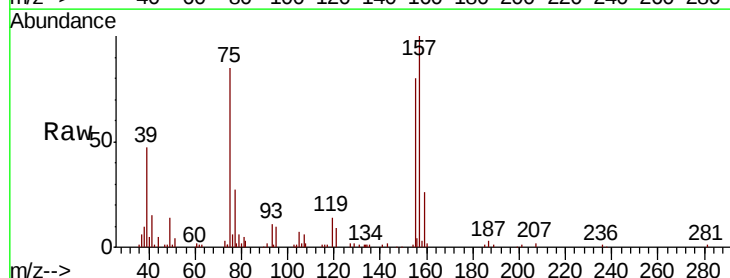
Tgt Ion: 75 Resp: 18212

Ion Ratio Lower Upper

75 100

155 87.3 44.1 132.4

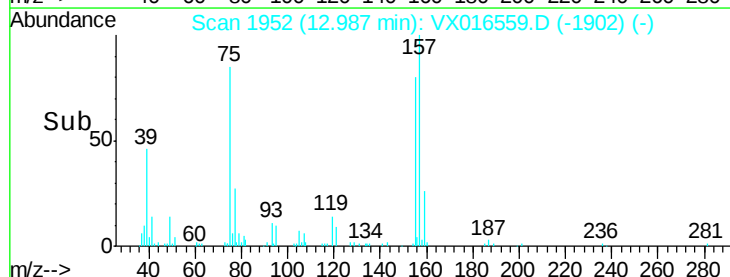
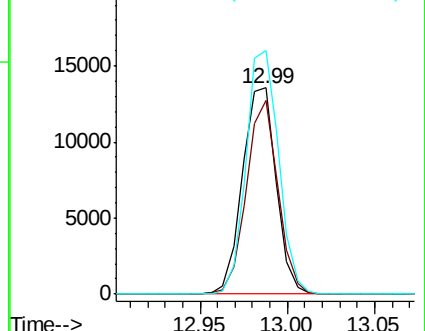
157 113.6 57.8 173.3

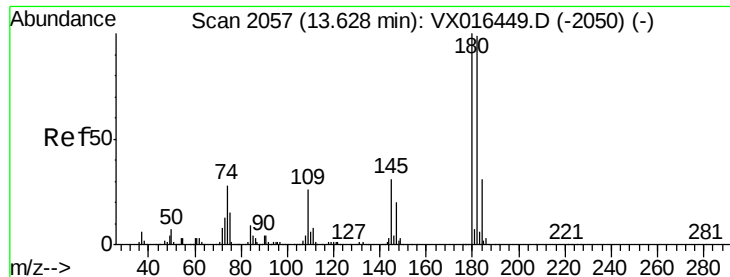


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

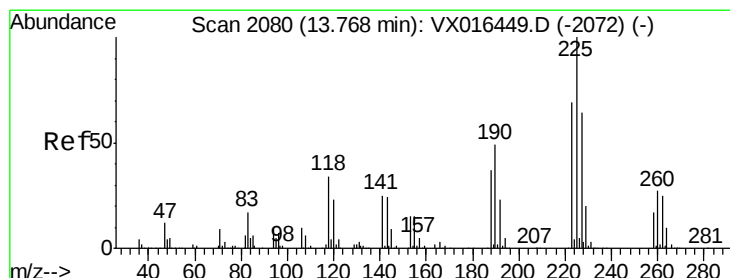
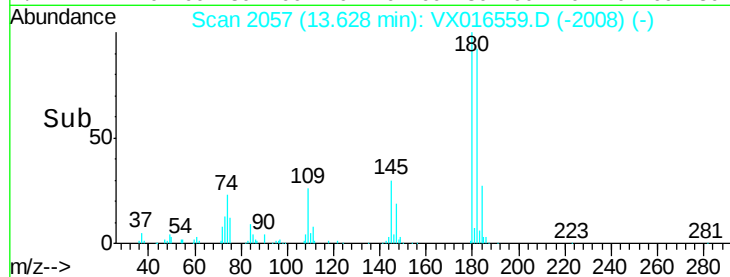
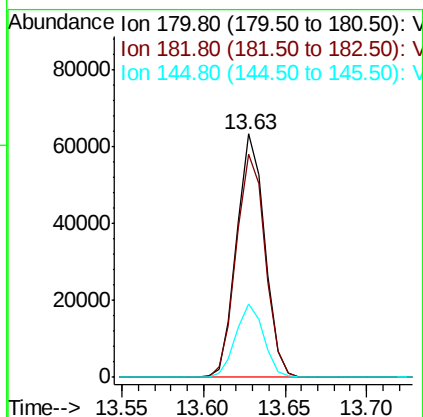
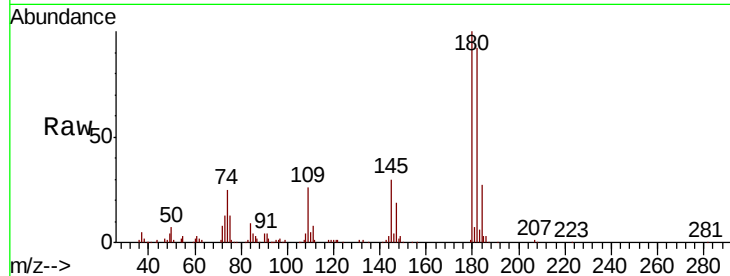




#93
 1,2,4-Trichlorobenzene
 Concen: 19.748 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

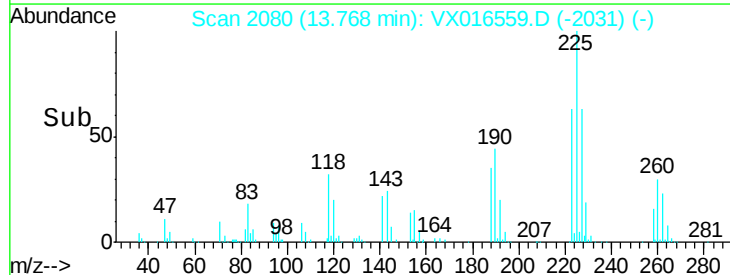
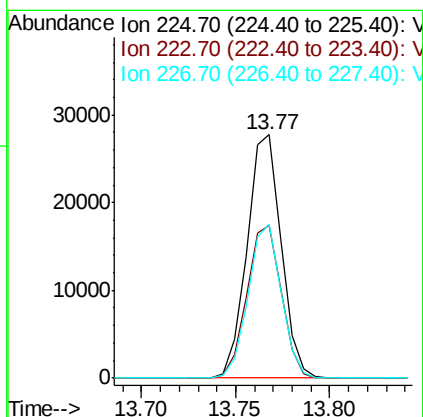
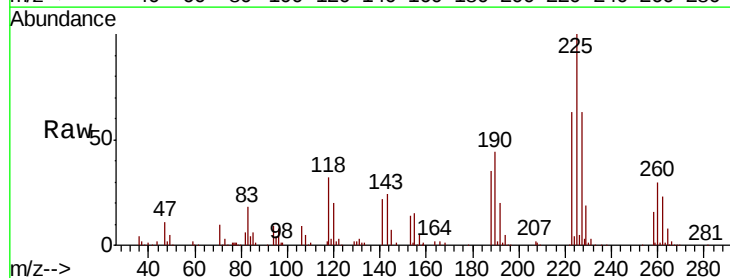
Instrument :
 MSVOA_X
 ClientSampleId :

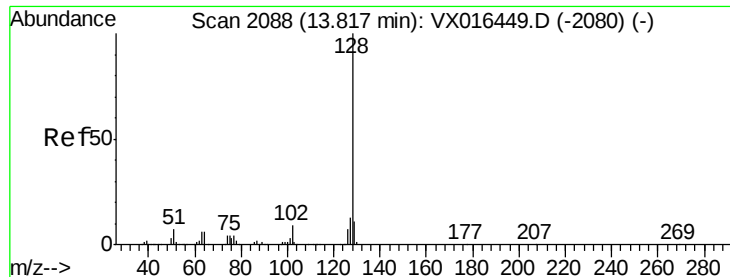
Tot Ion:180 Resp: 76314
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.3 144.8
 145 29.8 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 22.982 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016559.D
 Acq: 03 Jun 2020 11:39

Tgt Ion:225 Resp: 34869
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.3 96.8
 227 61.3 31.6 94.7





#95

Naphthalene

Concen: 17.989 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

Instrument :

MSVOA_X

ClientSampled :

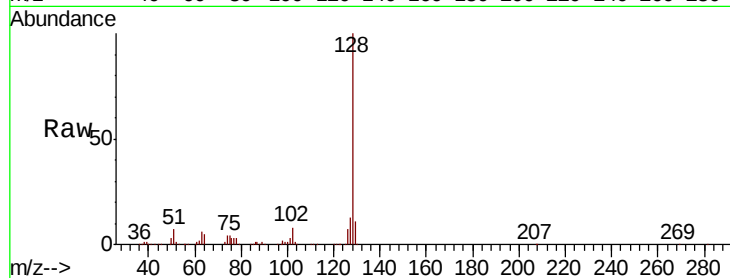
Tot Ion:128 Resp: 238313

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

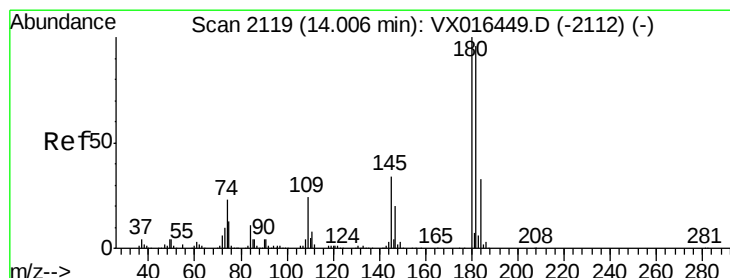
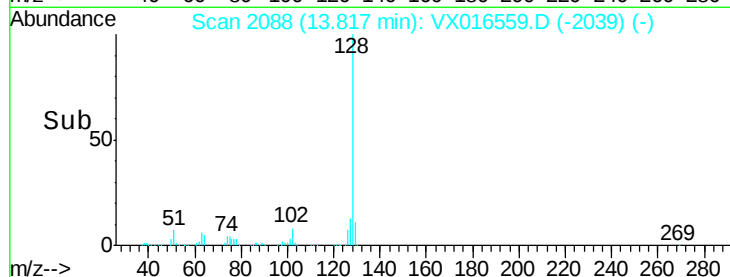
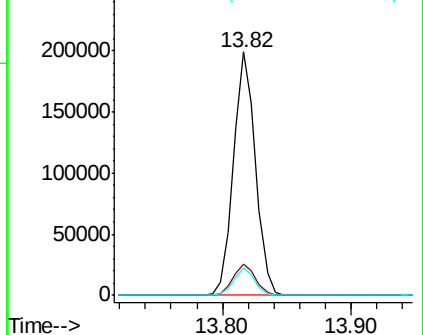
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.949 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016559.D

Acq: 03 Jun 2020 11:39

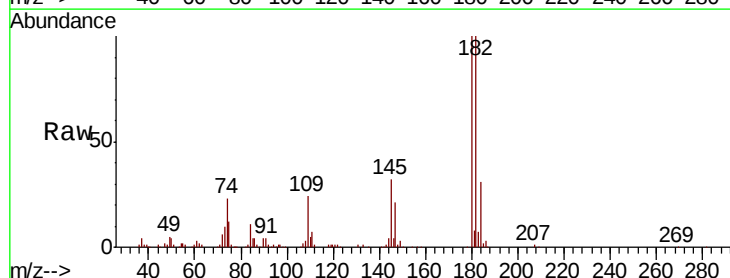
Tgt Ion:180 Resp: 75526

Ion Ratio Lower Upper

180 100

182 97.5 48.6 145.8

145 31.9 16.6 49.8



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

