

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052720\
 Data File : VX016446.D
 Acq On : 27 May 2020 14:20
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: May 27 15:58:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 15:52:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	319771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	487431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	437025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202964	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	5514	1.31	ug/l	0.00
Spiked Amount			Recovery	=	2.62%	
35) Dibromofluoromethane	5.46	113	4297	1.39	ug/l	0.00
Spiked Amount			Recovery	=	2.78%	
50) Toluene-d8	8.70	98	13504	1.13	ug/l	0.00
Spiked Amount			Recovery	=	2.26%	
62) 4-Bromofluorobenzene	11.12	95	6160	1.35	ug/l	0.00
Spiked Amount			Recovery	=	2.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	2846	0.845	ug/l	92
3) Chloromethane	1.31	50	3923	1.001	ug/l	94
4) Vinyl Chloride	1.39	62	3996	0.954	ug/l	94
5) Bromomethane	1.63	94	2385	1.144	ug/l	87
6) Chloroethane	1.72	64	2382	0.944	ug/l	99
7) Trichlorofluoromethane	1.92	101	4781	0.870	ug/l	89
8) Diethyl Ether	2.17	74	2456	1.065	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	2838	0.902	ug/l	96
10) Methyl Iodide	2.49	142	1956	0.482	ug/l #	96
11) Tert butyl alcohol	3.00	59	4441	4.186	ug/l #	90
12) 1,1-Dichloroethene	2.36	96	3224	0.978	ug/l	91
13) Acrolein	2.27	56	2125	3.433	ug/l	98
14) Allyl chloride	2.71	41	5640	0.930	ug/l	95
15) Acrylonitrile	3.12	53	9320	4.220	ug/l	99
16) Acetone	2.42	43	8359	4.469	ug/l	92
17) Carbon Disulfide	2.55	76	9225	0.823	ug/l	99
18) Methyl Acetate	2.75	43	4073	0.878	ug/l	92
19) Methyl tert-butyl Ether	3.17	73	10533	0.919	ug/l	92
20) Methylene Chloride	2.83	84	3757	0.973	ug/l	90
21) trans-1,2-Dichloroethene	3.14	96	3305	0.894	ug/l	84
22) Diisopropyl ether	3.82	45	9889	0.859	ug/l #	76
23) Vinyl Acetate	3.78	43	40088	3.964	ug/l	98
24) 1,1-Dichloroethane	3.67	63	5714	0.888	ug/l	94
25) 2-Butanone	4.64	43	13121	4.321	ug/l	96
26) 2,2-Dichloropropane	4.54	77	4919	0.855	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	4082	1.008	ug/l	89
28) Bromochloromethane	4.98	49	2966	1.015	ug/l #	97
29) Tetrahydrofuran	5.09	42	8041	4.002	ug/l	96
30) Chloroform	5.18	83	5817	0.908	ug/l	97
31) Cyclohexane	5.54	56	4973	0.859	ug/l #	91
32) 1,1,1-Trichloroethane	5.46	97	5079	0.871	ug/l #	49
36) 1,1-Dichloropropene	5.77	75	4627	0.962	ug/l	99
37) Ethyl Acetate	4.79	43	5722	1.025	ug/l #	86
38) Carbon Tetrachloride	5.76	117	4673	0.953	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016446.D
 Acq On : 27 May 2020 14:20
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: May 27 15:58:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 15:52:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	5011	0.882	ug/l	95
40) Benzene	6.10	78	13114	0.930	ug/l #	90
41) Methacrylonitrile	5.00	41	3083	1.025	ug/l	93
42) 1,2-Dichloroethane	6.16	62	4704	0.928	ug/l	95
43) Isopropyl Acetate	6.42	43	8267	0.931	ug/l #	93
44) Trichloroethene	7.19	130	4595	0.934	ug/l	96
45) 1,2-Dichloropropane	7.49	63	3315	0.931	ug/l #	82
46) Dibromomethane	7.64	93	2193	0.906	ug/l	96
47) Bromodichloromethane	7.87	83	4468	0.906	ug/l #	80
48) Methyl methacrylate	7.75	41	3920	0.928	ug/l	99
49) 1,4-Dioxane	7.72	88	1796	17.788	ug/l #	81
51) 4-Methyl-2-Pentanone	8.62	43	23116	4.239	ug/l	100
52) Toluene	8.76	92	8038	0.915	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	4882	0.833	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	5340	0.872	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	3187	0.923	ug/l #	90
56) Ethyl methacrylate	9.16	69	4778	0.845	ug/l	98
57) 1,3-Dichloropropane	9.35	76	5334	0.884	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	14557	4.867	ug/l	100
59) 2-Hexanone	9.48	43	17353	4.046	ug/l	93
60) Dibromochloromethane	9.57	129	3320	0.869	ug/l	98
61) 1,2-Dibromoethane	9.65	107	3339	0.895	ug/l	97
64) Tetrachloroethene	9.32	164	5248	0.988	ug/l	96
65) Chlorobenzene	10.12	112	8657	0.944	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.20	131	3255	0.959	ug/l #	66
67) Ethyl Benzene	10.24	91	14912	0.912	ug/l	95
68) m/p-Xylenes	10.34	106	10455	1.710	ug/l	99
69) o-Xylene	10.68	106	5173	0.881	ug/l	100
70) Styrene	10.70	104	8297	0.829	ug/l	97
71) Bromoform	10.84	173	2452	0.879	ug/l #	95
73) Isopropylbenzene	11.00	105	13316	0.905	ug/l	99
74) N-amyl acetate	10.88	43	5884	0.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	3024	1.102	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	5300	1.152	ug/l	90
77) Bromobenzene	11.24	156	3811	0.999	ug/l	89
78) n-propylbenzene	11.34	91	14372	0.841	ug/l	99
79) 2-Chlorotoluene	11.40	91	8984	0.887	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	10472	0.842	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	1641	0.861	ug/l #	89
82) 4-Chlorotoluene	11.49	91	10543	0.882	ug/l	96
83) tert-Butylbenzene	11.76	119	8628	0.804	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	10767	0.856	ug/l	100
85) sec-Butylbenzene	11.93	105	10983	0.769	ug/l	97
86) p-Isopropyltoluene	12.05	119	10586	0.797	ug/l	92
87) 1,3-Dichlorobenzene	12.01	146	6143	0.900	ug/l	96
88) 1,4-Dichlorobenzene	12.08	146	6641	0.958	ug/l	87
89) n-Butylbenzene	12.37	91	8429	0.701	ug/l	95
90) Hexachloroethane	12.58	117	1660	0.730	ug/l	76
91) 1,2-Dichlorobenzene	12.38	146	5801	0.883	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1039	0.857	ug/l	97

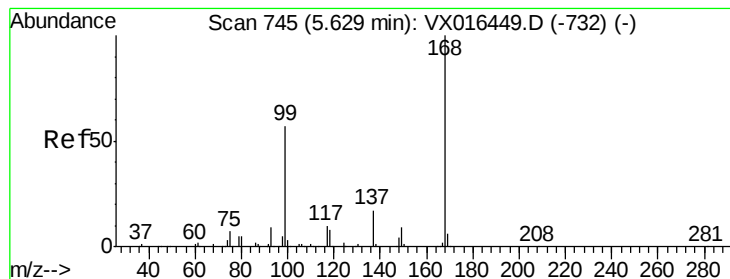
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052720\
Data File : VX016446.D
Acq On : 27 May 2020 14:20
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: May 27 15:58:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 15:52:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3787	0.786	ug/l	96
94) Hexachlorobutadiene	13.76	225	1533	0.706	ug/l	95
95) Naphthalene	13.82	128	12563	0.802	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	3844	0.822	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

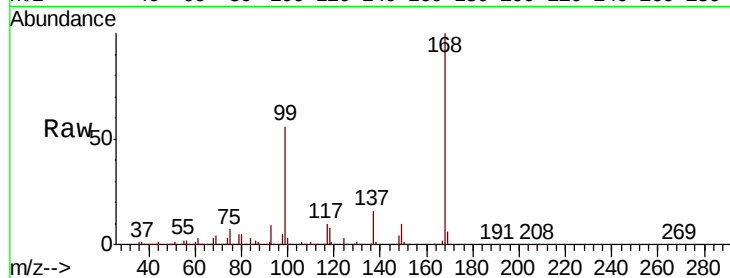
VSTDIC001

Tot Ion:168 Resp: 319771

Ion Ratio Lower Upper

168 100

99 55.6 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

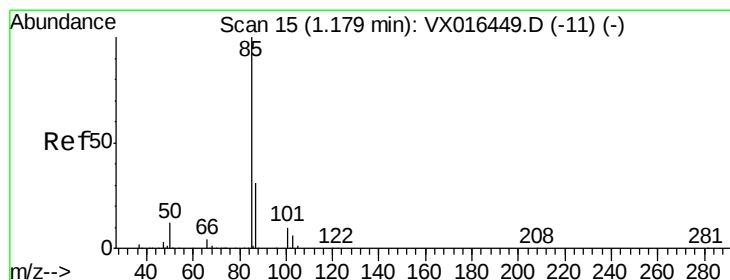
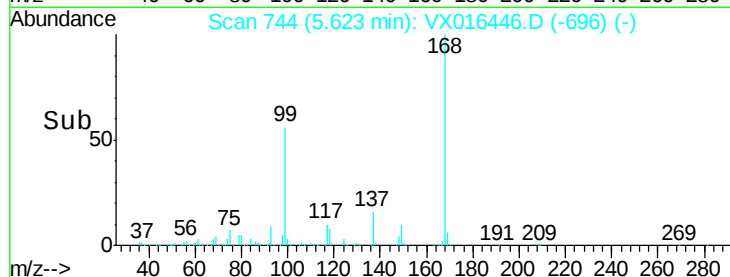
5.62

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.845 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.01 min

Lab File: VX016446.D

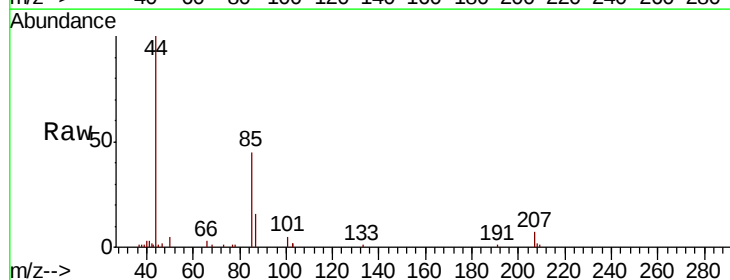
Acq: 27 May 2020 14:20

Tgt Ion: 85 Resp: 2846

Ion Ratio Lower Upper

85 100

87 35.3 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

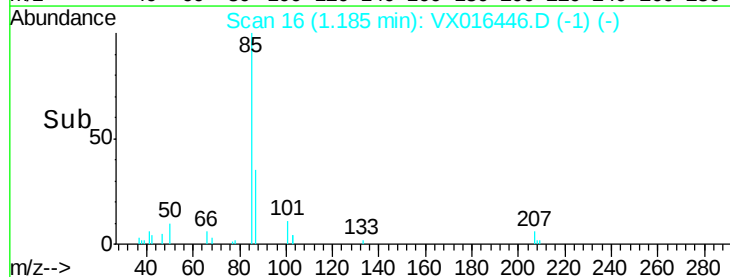
3000

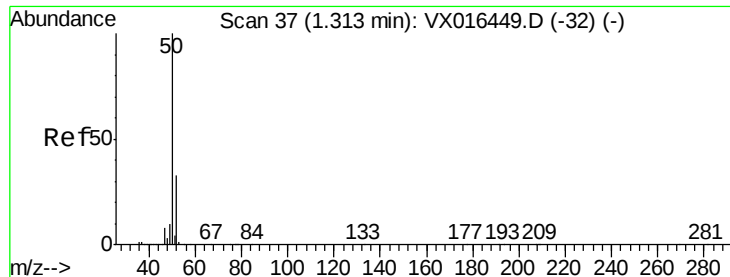
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.001 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

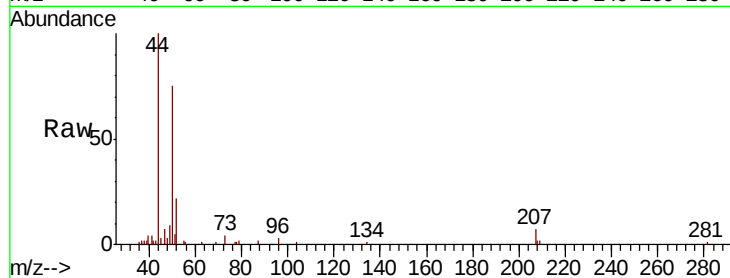
VSTDIC001

Tot Ion: 50 Resp: 3923

Ion Ratio Lower Upper

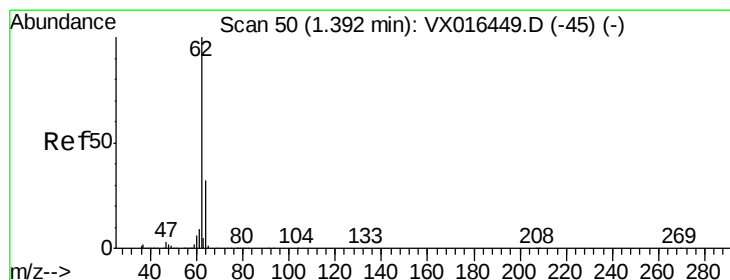
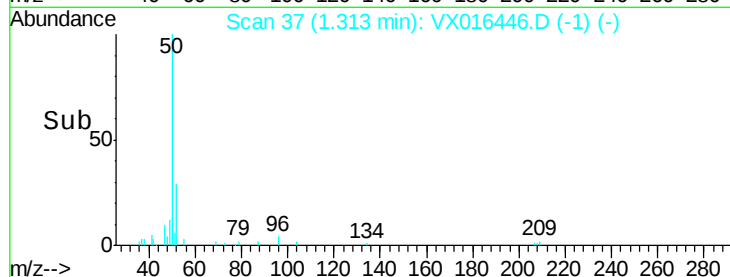
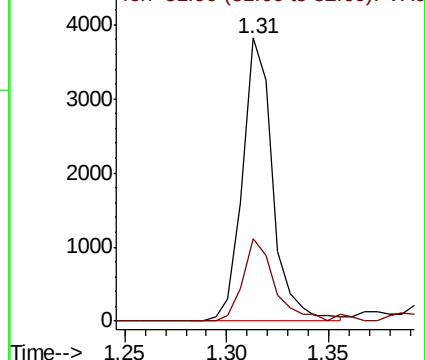
50 100

52 29.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.954 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016446.D

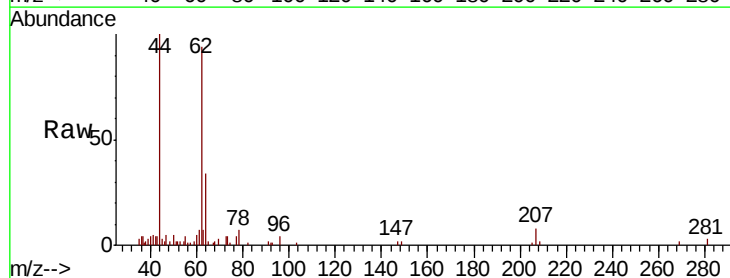
Acq: 27 May 2020 14:20

Tgt Ion: 62 Resp: 3996

Ion Ratio Lower Upper

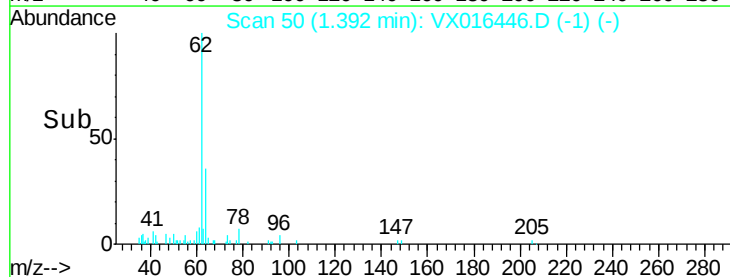
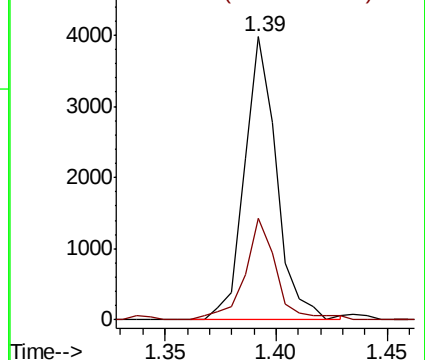
62 100

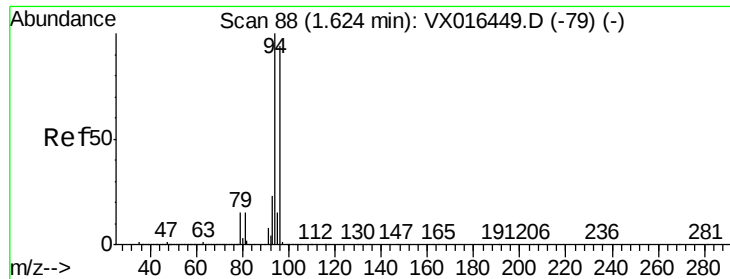
64 35.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.144 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

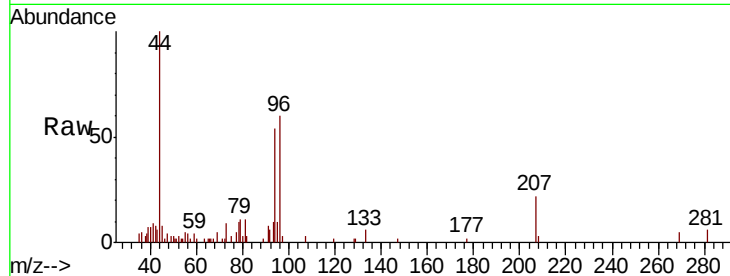
VSTDIC001

Tot Ion: 94 Resp: 2385

Ion Ratio Lower Upper

94 100

96 106.8 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

1500

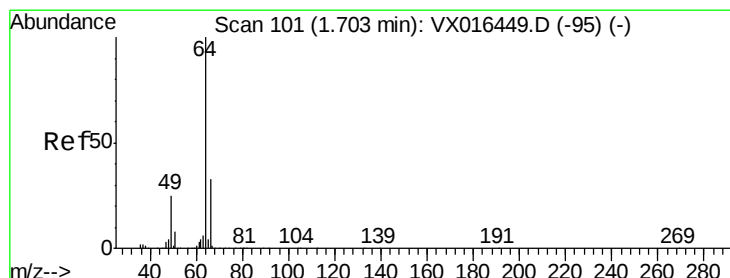
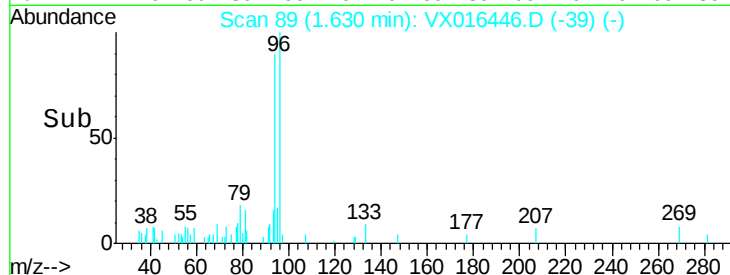
1000

500

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.944 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016446.D

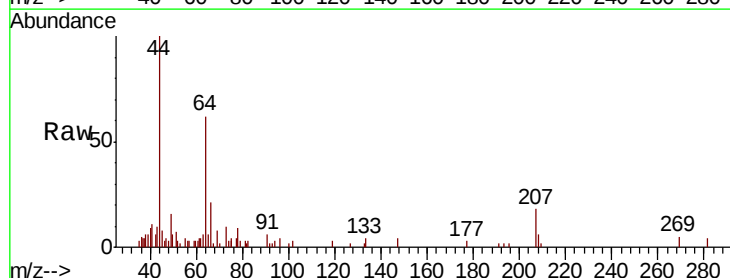
Acq: 27 May 2020 14:20

Tgt Ion: 64 Resp: 2382

Ion Ratio Lower Upper

64 100

66 34.1 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

2000

1500

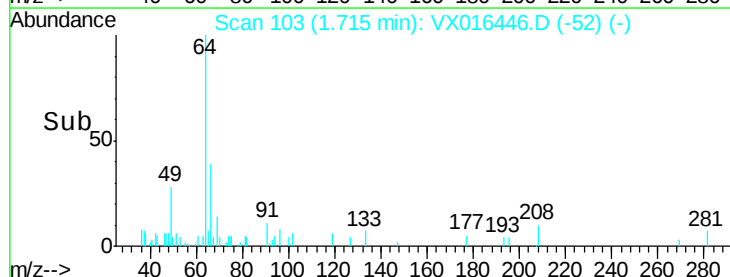
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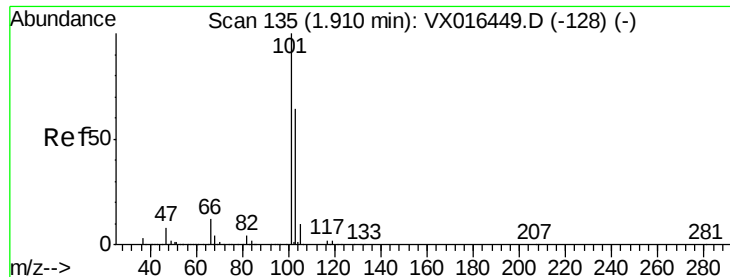
500

0

1.65 1.70 1.75

Time-->





#7

Trichlorofluoromethane

Concen: 0.870 ug/l

RT: 1.92 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

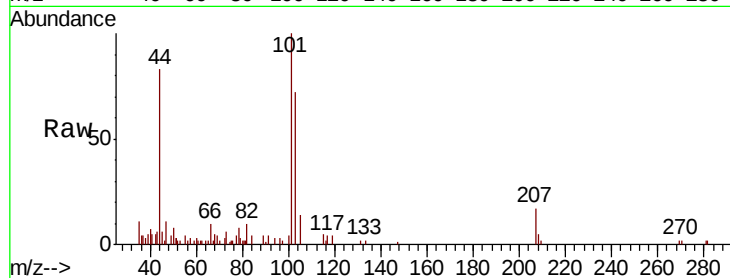
VSTDIC001

Tot Ion:101 Resp: 4781

Ion Ratio Lower Upper

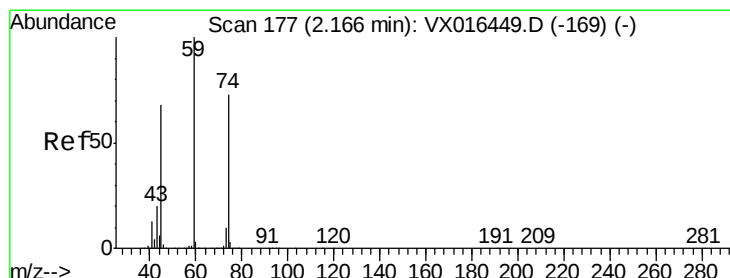
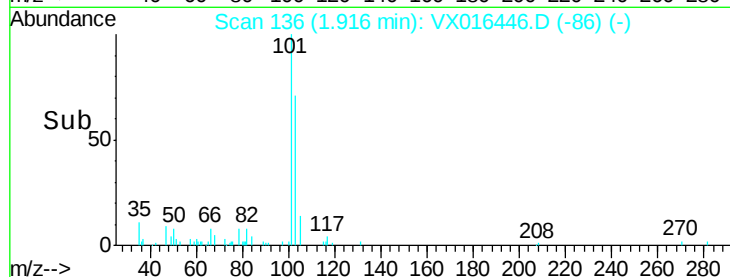
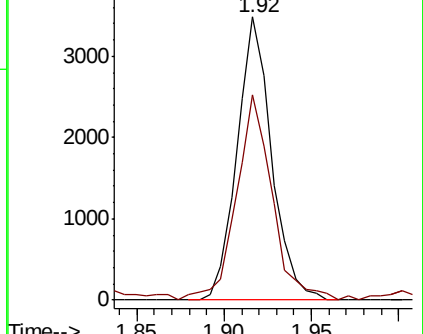
101 100

103 72.5 50.9 76.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.065 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX016446.D

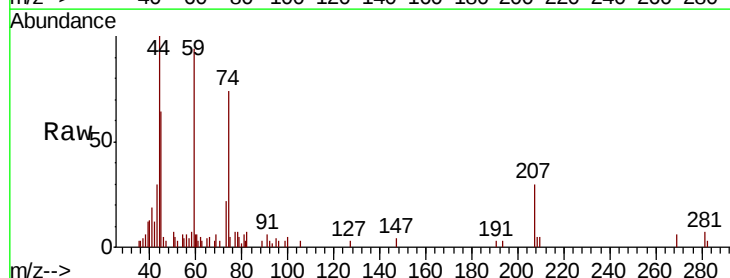
Acq: 27 May 2020 14:20

Tgt Ion: 74 Resp: 2456

Ion Ratio Lower Upper

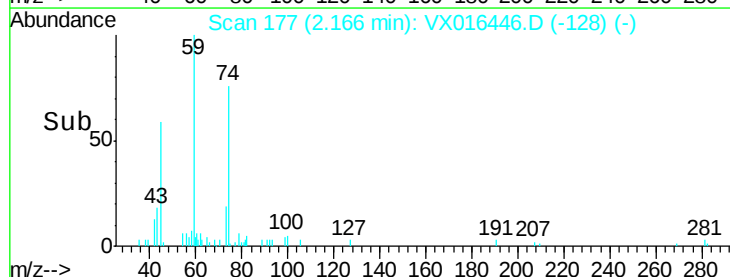
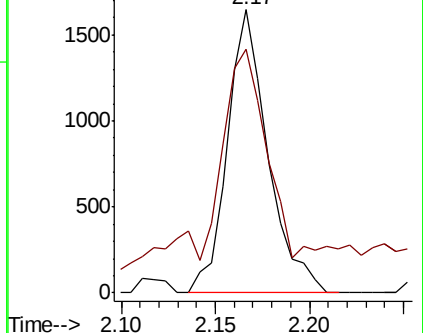
74 100

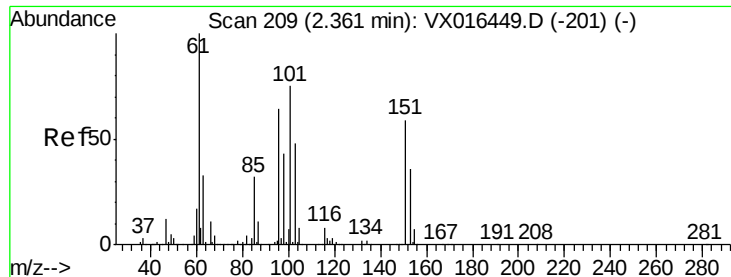
45 97.5 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.902 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

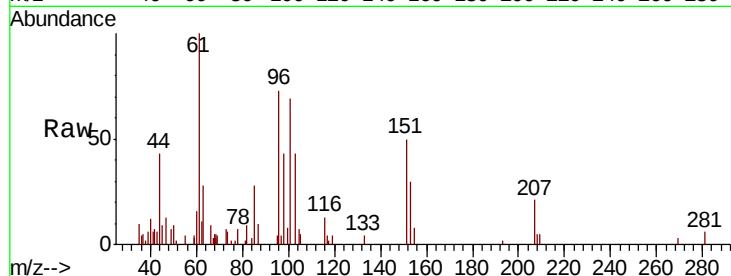
Tot Ion:101 Resp: 2838

Ion Ratio Lower Upper

101 100

85 47.7 34.4 51.6

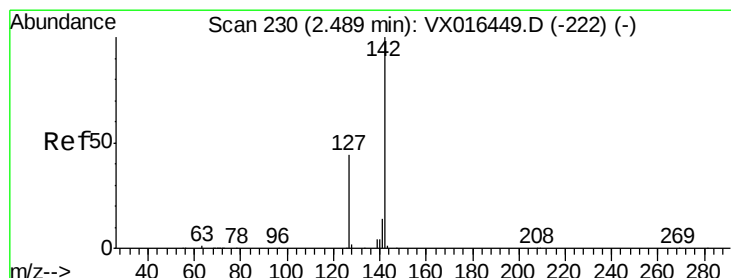
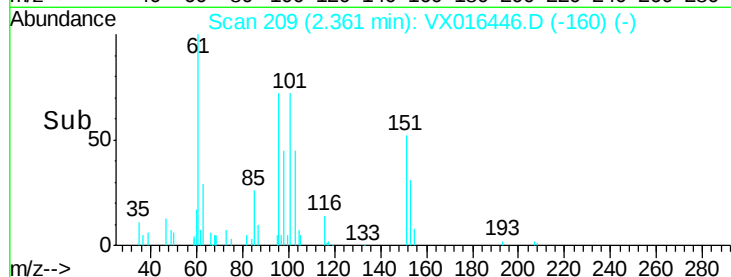
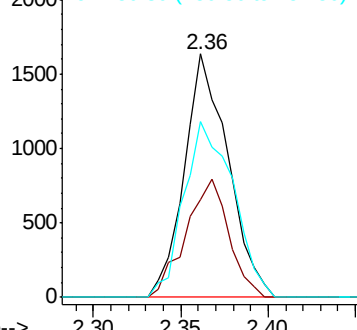
151 81.5 63.8 95.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.482 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

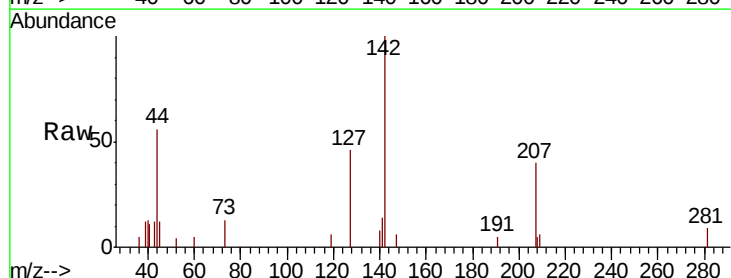
Tgt Ion:142 Resp: 1956

Ion Ratio Lower Upper

142 100

127 42.7 35.3 52.9

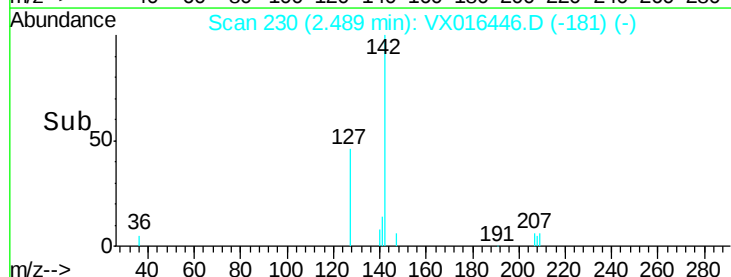
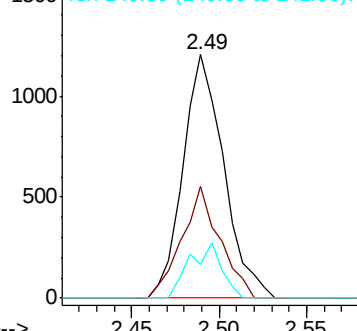
141 17.8 11.4 17.2#

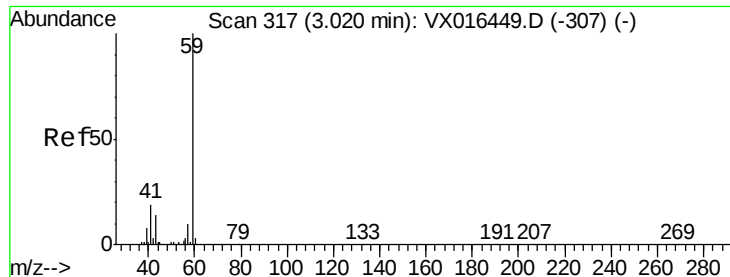


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



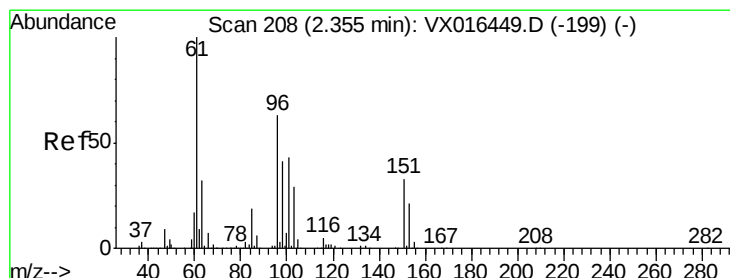
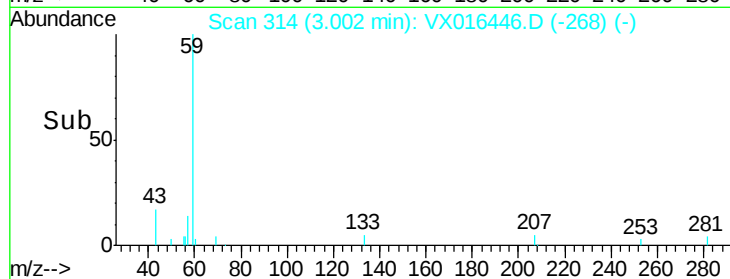
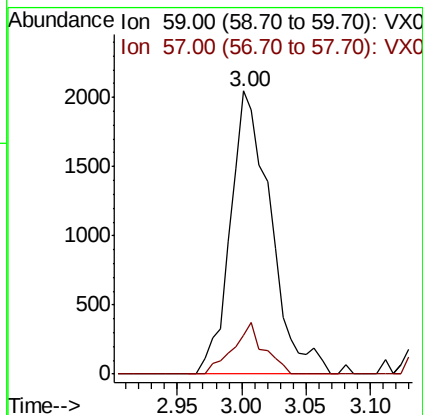
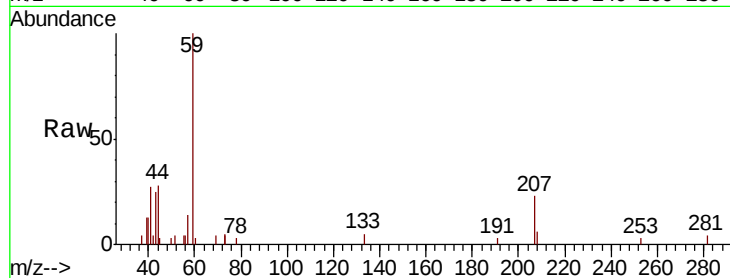


#11

Tert butyl alcohol
 Concen: 4.186 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

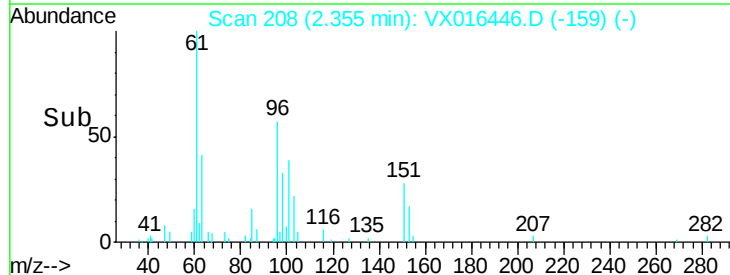
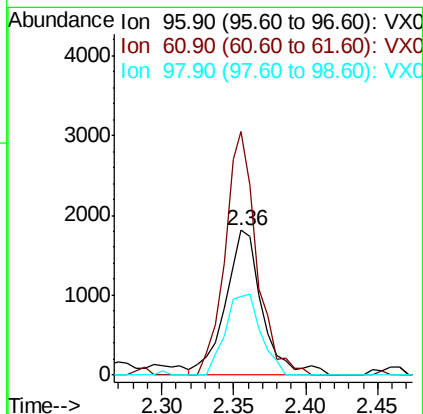
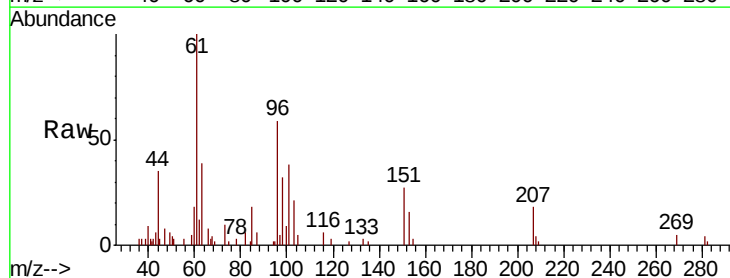
Tot Ion: 59 Resp: 4441
 Ion Ratio Lower Upper
 59 100
 57 14.0 8.2 12.4#

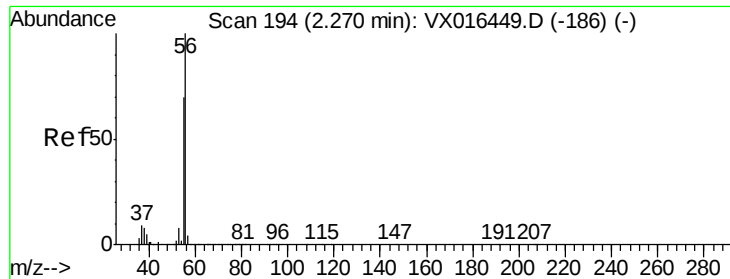


#12

1,1-Dichloroethene
 Concen: 0.978 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion: 96 Resp: 3224
 Ion Ratio Lower Upper
 96 100
 61 168.4 126.6 189.8
 98 54.5 51.3 76.9





#13

Acrolein

Concen: 3.433 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

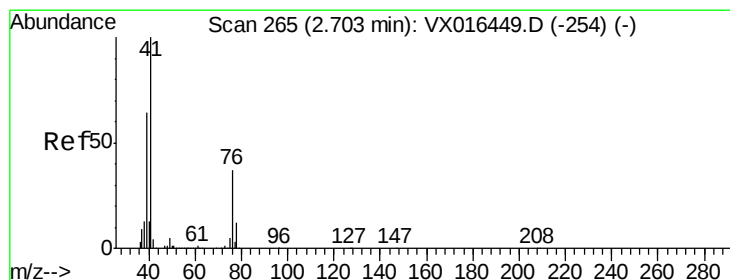
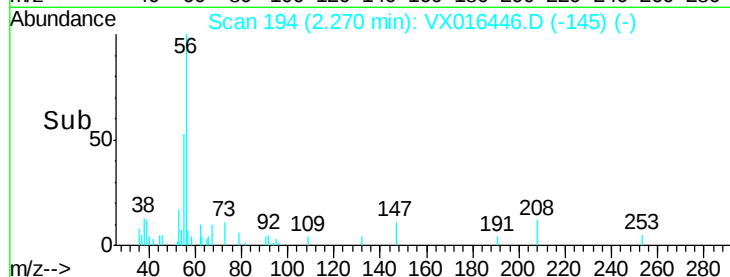
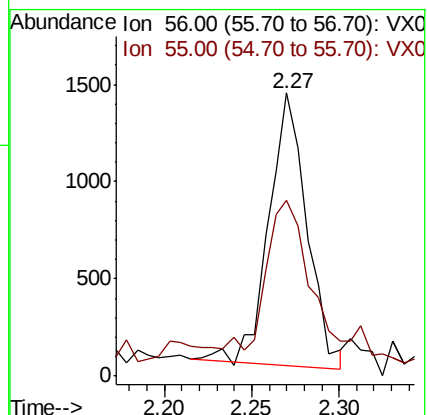
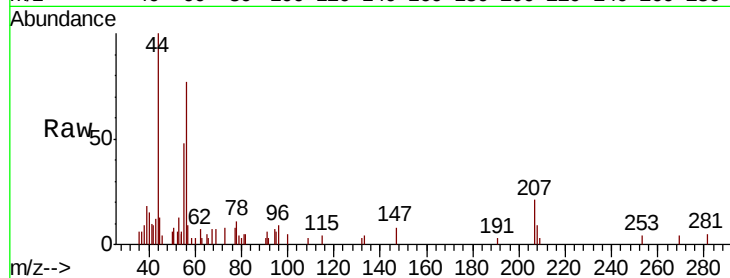
VSTDIC001

Tot Ion: 56 Resp: 2125

Ion Ratio Lower Upper

56 100

55 74.9 58.3 87.5



#14

Allyl chloride

Concen: 0.930 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

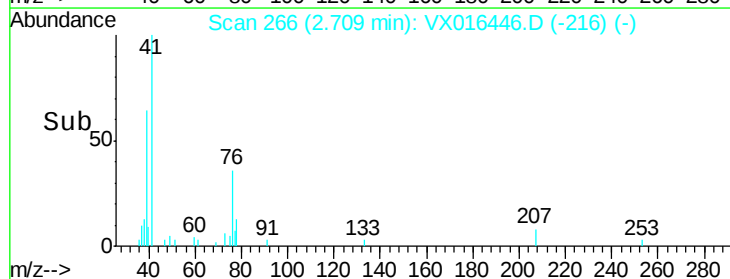
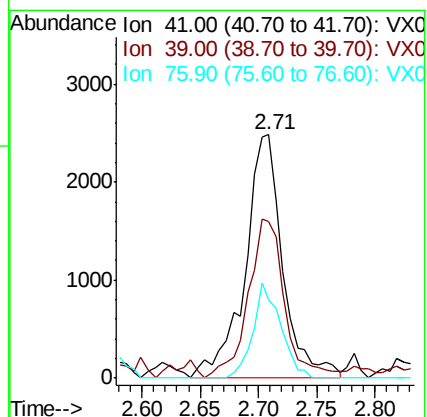
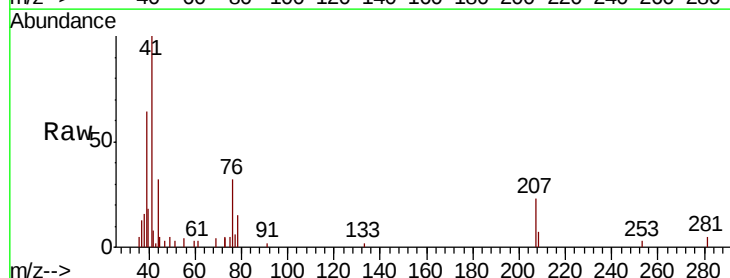
Tgt Ion: 41 Resp: 5640

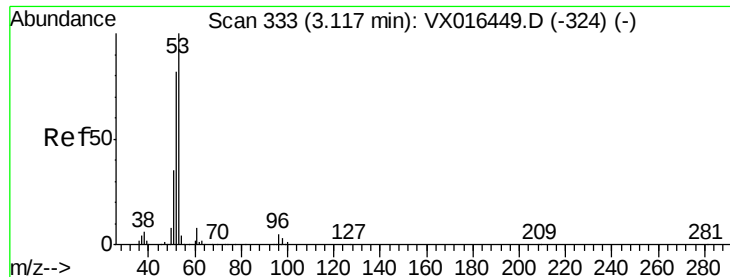
Ion Ratio Lower Upper

41 100

39 62.2 47.7 71.5

76 28.3 26.6 40.0





#15

Acrylonitrile

Concen: 4.220 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

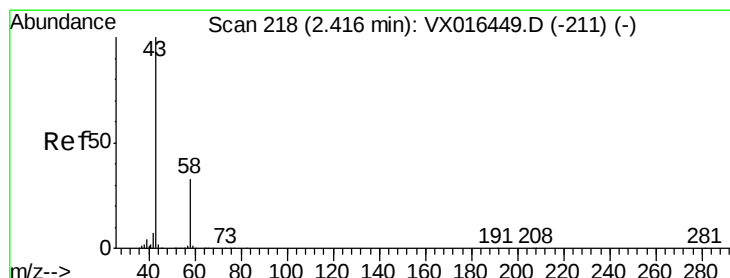
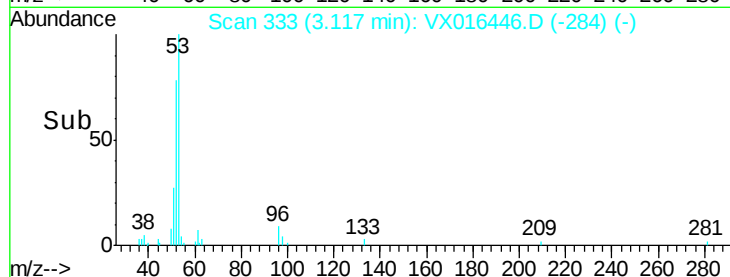
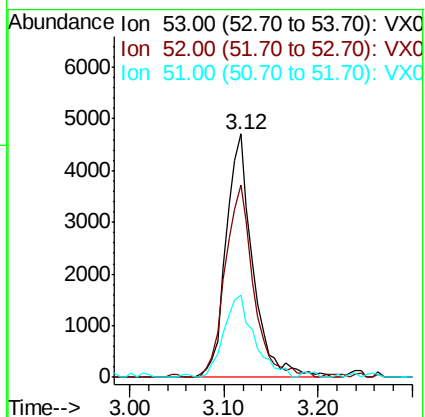
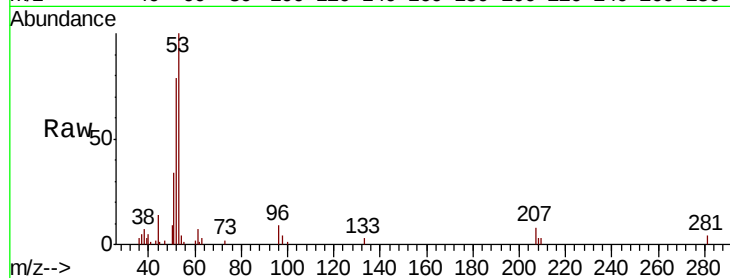
Tot Ion: 53 Resp: 9320

Ion Ratio Lower Upper

53 100

52 83.3 66.7 100.1

51 38.1 28.6 43.0



#16

Acetone

Concen: 4.469 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016446.D

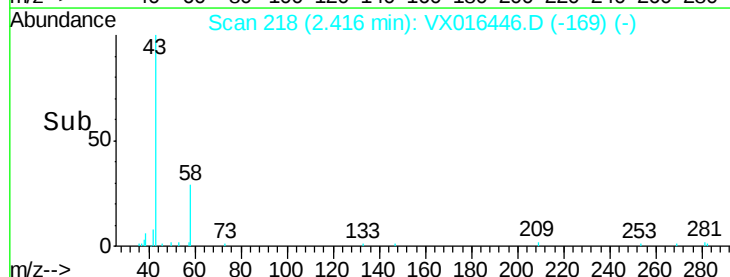
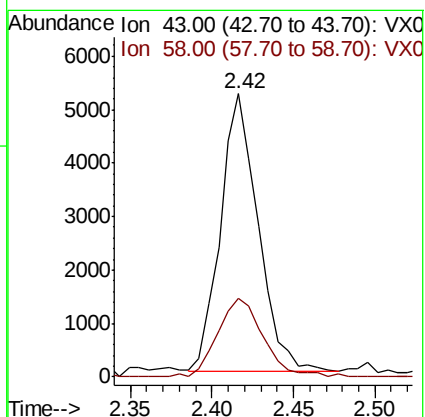
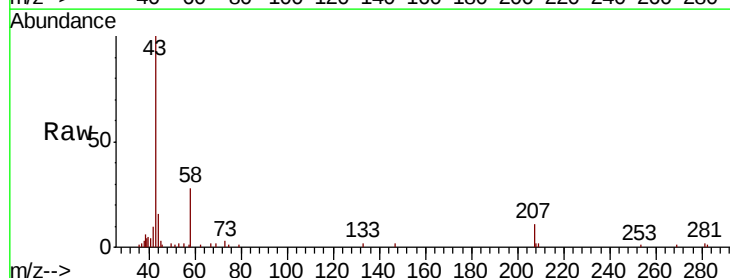
Acq: 27 May 2020 14:20

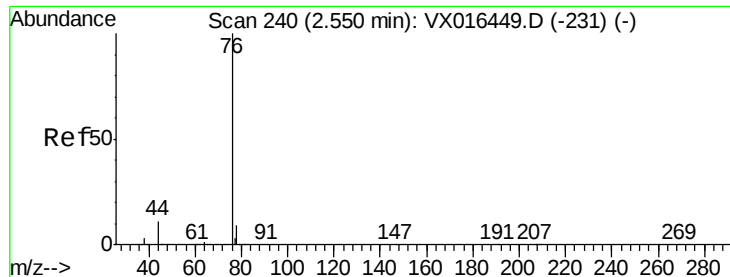
Tgt Ion: 43 Resp: 8359

Ion Ratio Lower Upper

43 100

58 28.2 26.1 39.1

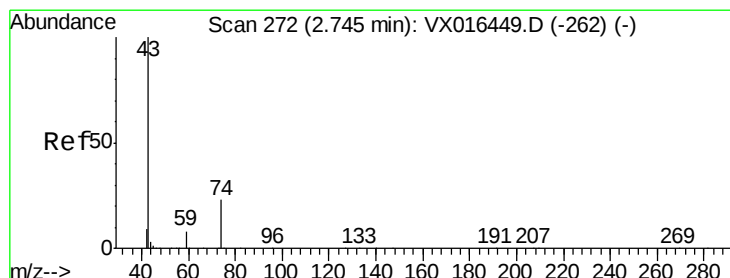
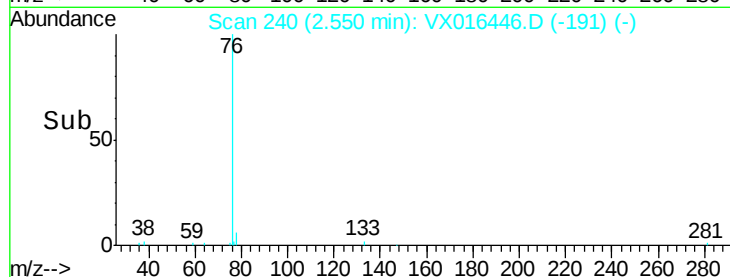
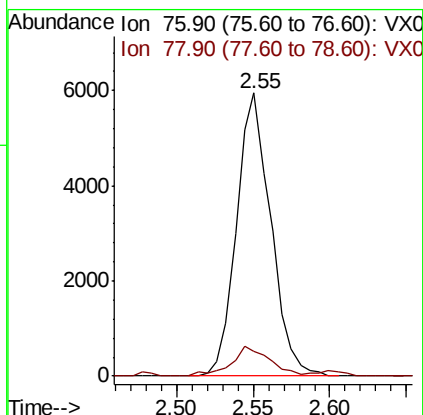
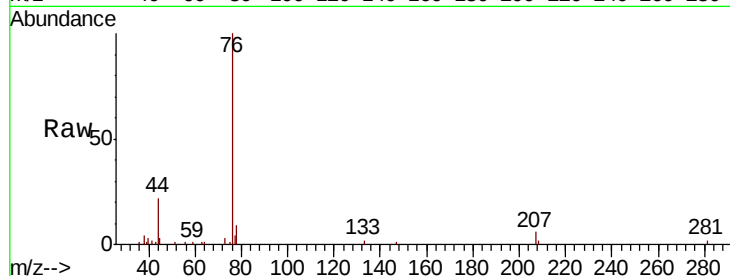




#17
Carbon Disulfide
Concen: 0.823 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

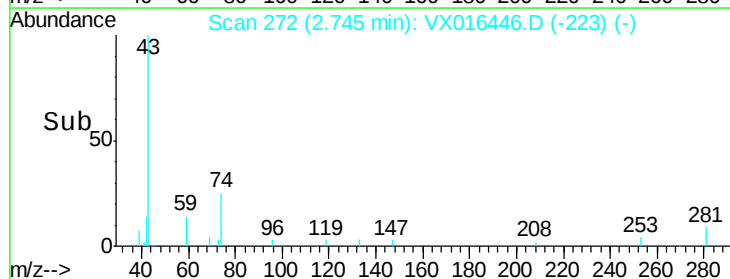
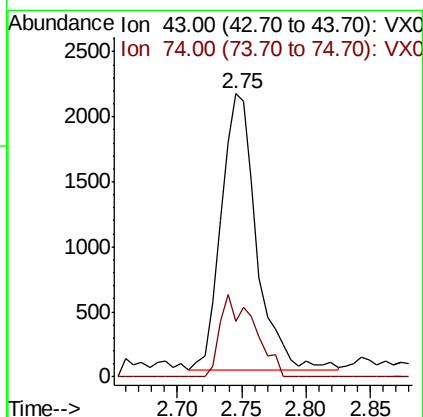
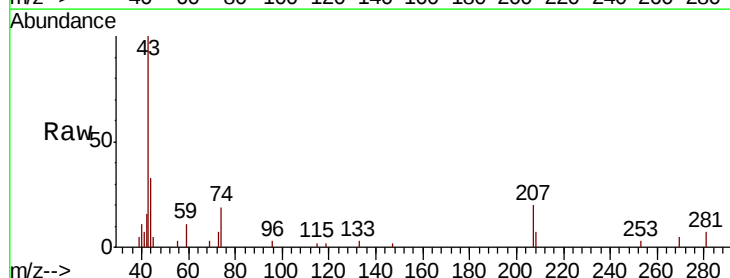
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

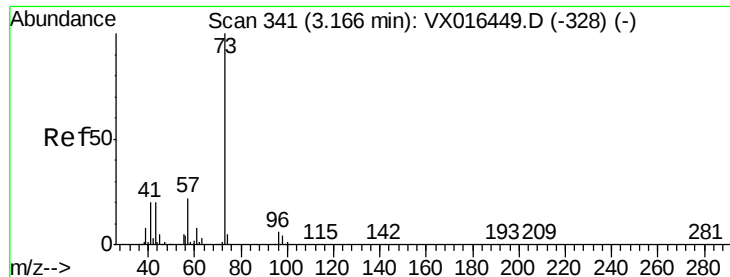
Tot Ion: 76 Resp: 9225
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 0.878 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion: 43 Resp: 4073
Ion Ratio Lower Upper
43 100
74 28.7 19.7 29.5



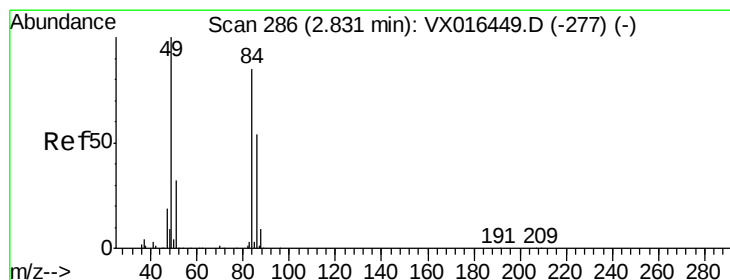
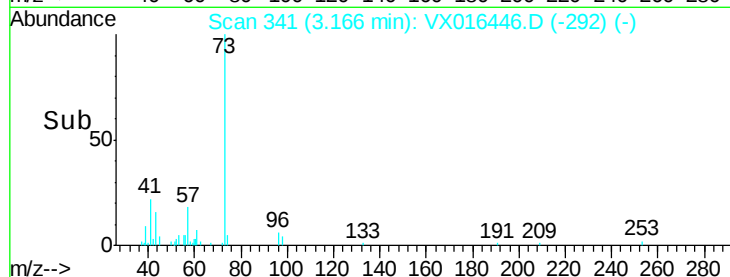
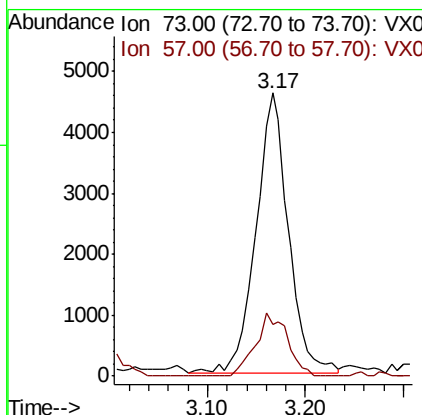
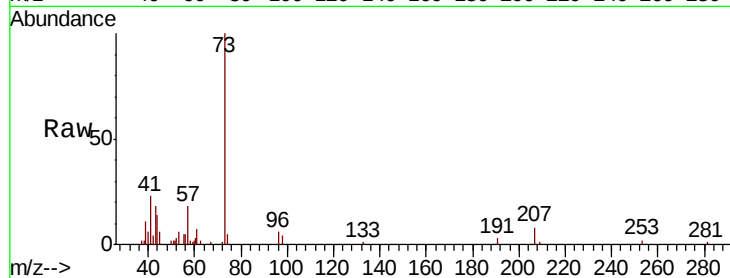


#19

Methyl tert-butyl Ether
 Concen: 0.919 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC001

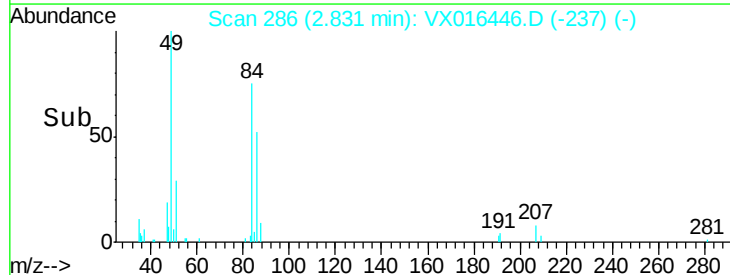
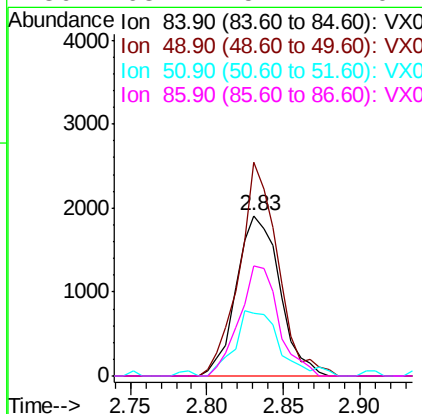
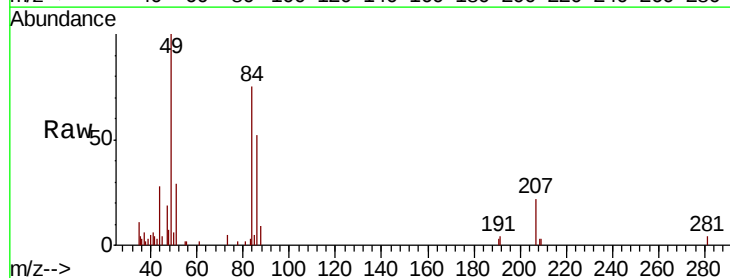
Tot Ion: 73 Resp: 10533
 Ion Ratio Lower Upper
 73 100
 57 18.3 17.8 26.6

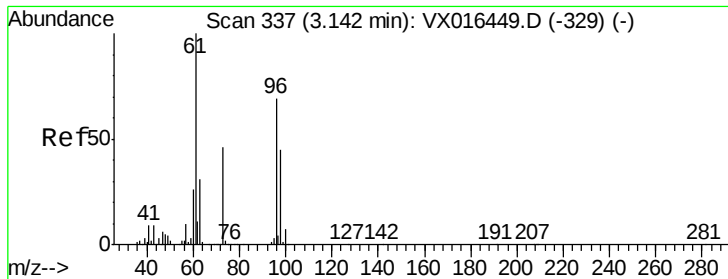


#20

Methylene Chloride
 Concen: 0.973 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion: 84 Resp: 3757
 Ion Ratio Lower Upper
 84 100
 49 133.4 94.5 141.7
 51 39.2 30.2 45.4
 86 68.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 0.894 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

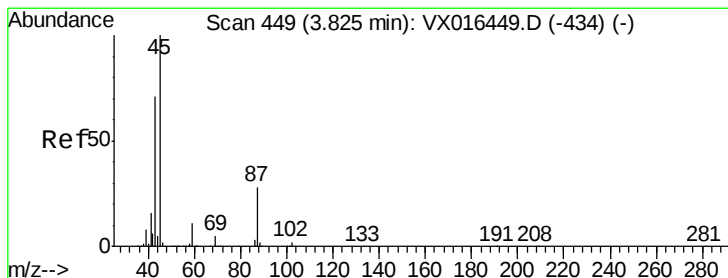
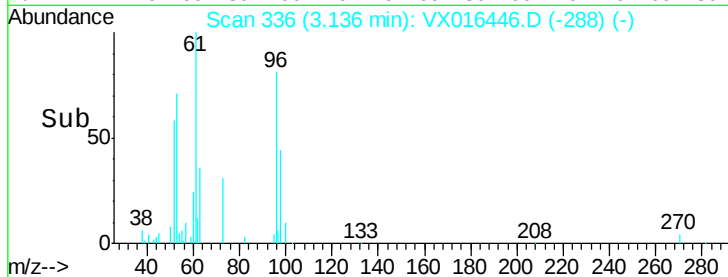
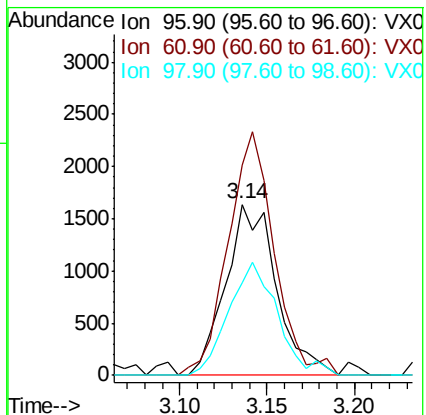
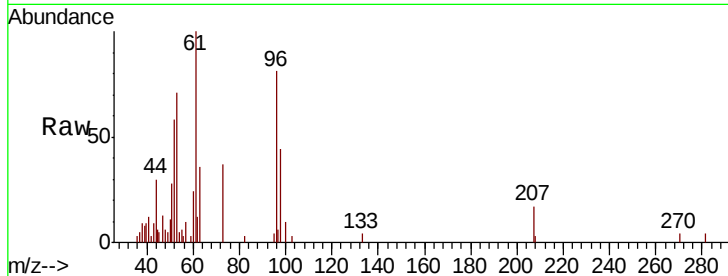
Tot Ion: 96 Resp: 3305

Ion Ratio Lower Upper

96 100

61 123.4 115.3 172.9

98 54.2 51.9 77.9



#22

Diisopropyl ether

Concen: 0.859 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion: 45 Resp: 9889

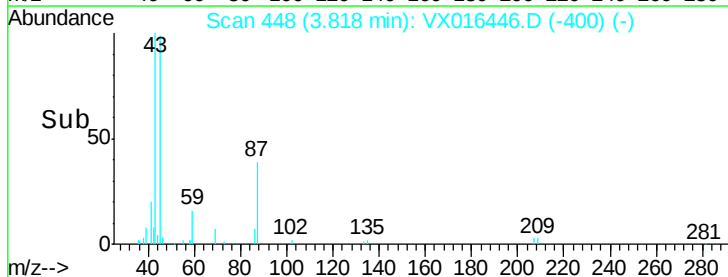
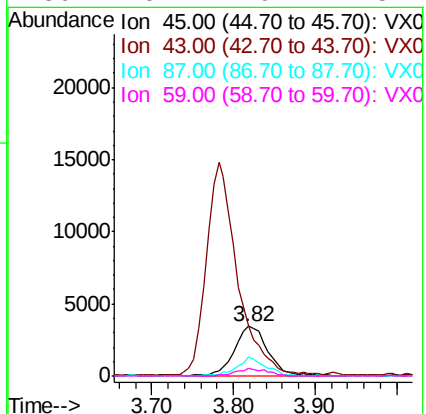
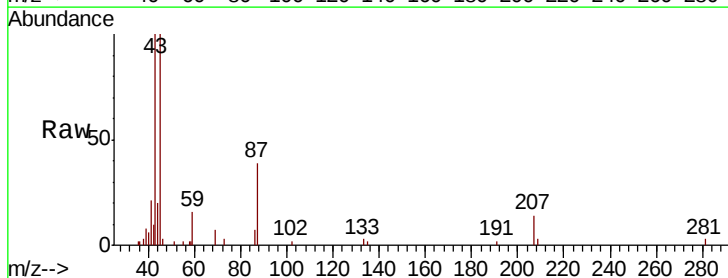
Ion Ratio Lower Upper

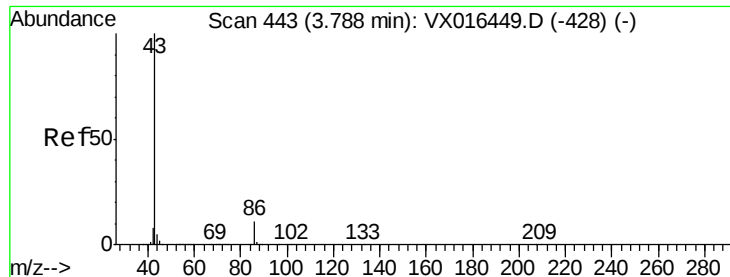
45 100

43 94.7 57.0 85.6#

87 38.5 22.5 33.7#

59 16.1 9.1 13.7#





#23

Vinyl Acetate

Concen: 3.964 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

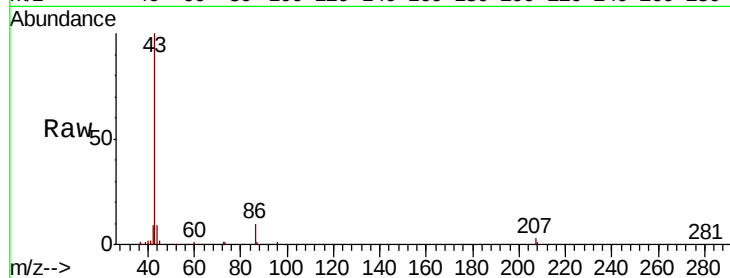
VSTDIC001

Tot Ion: 43 Resp: 40088

Ion Ratio Lower Upper

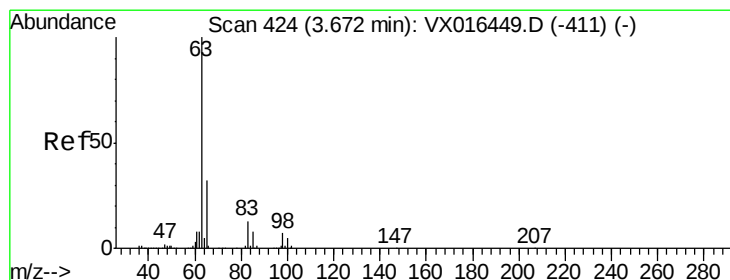
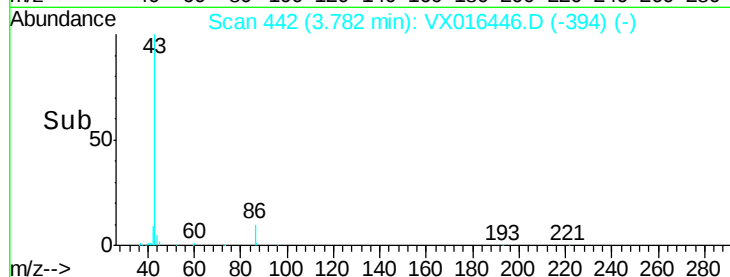
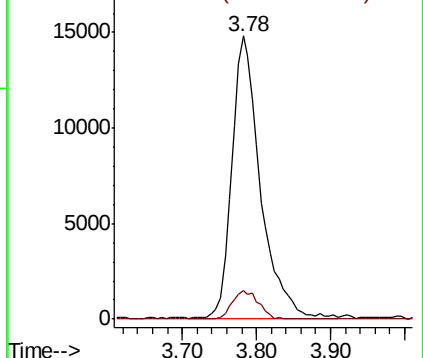
43 100

86 10.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.888 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

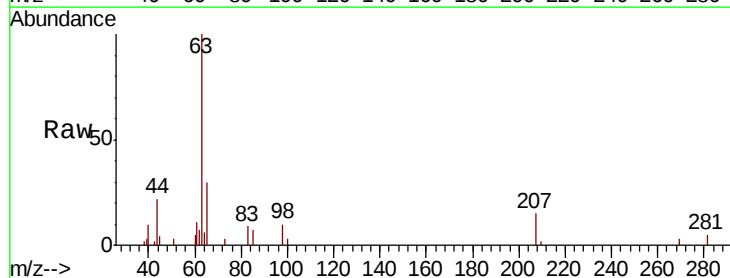
Tgt Ion: 63 Resp: 5714

Ion Ratio Lower Upper

63 100

98 9.7 3.6 10.9

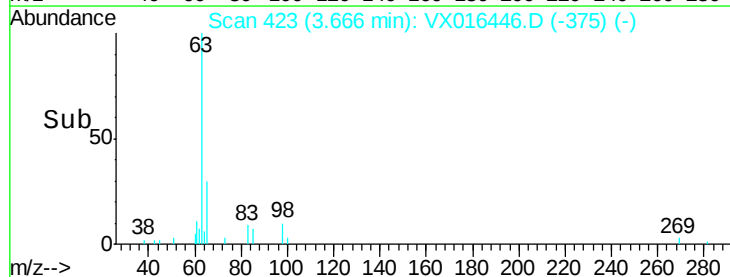
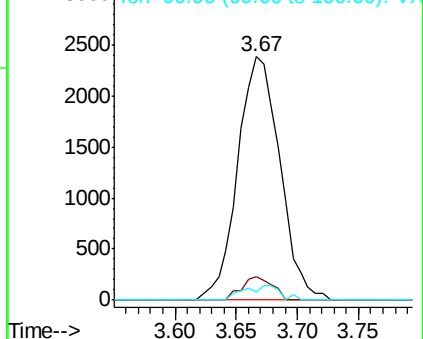
100 3.4 2.4 7.1

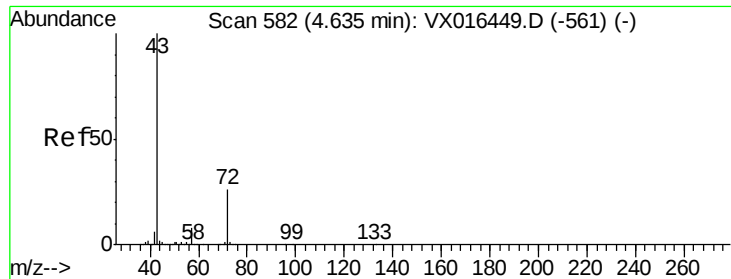


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 4.321 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

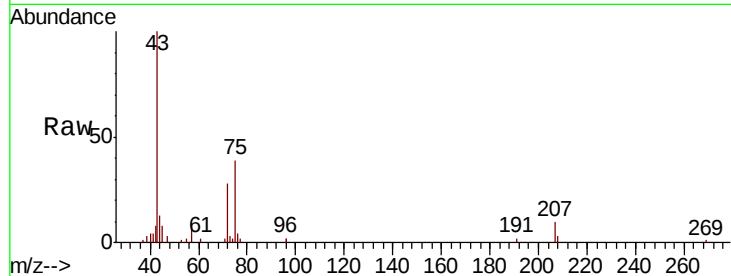
VSTDIC001

Tot Ion: 43 Resp: 13121

Ion Ratio Lower Upper

43 100

72 28.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.64

5000

4000

3000

2000

1000

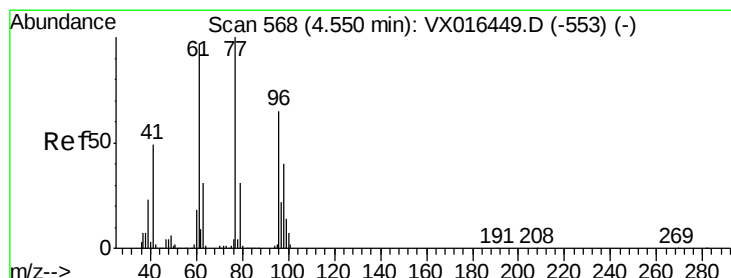
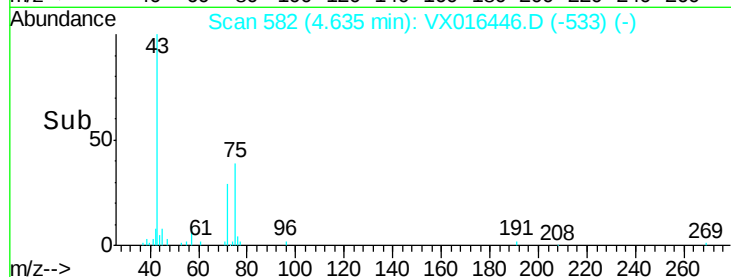
0

4.50

4.60

4.70

Time-->



#26

2,2-Dichloropropane

Concen: 0.855 ug/l

RT: 4.54 min Scan# 566

Delta R.T. -0.01 min

Lab File: VX016446.D

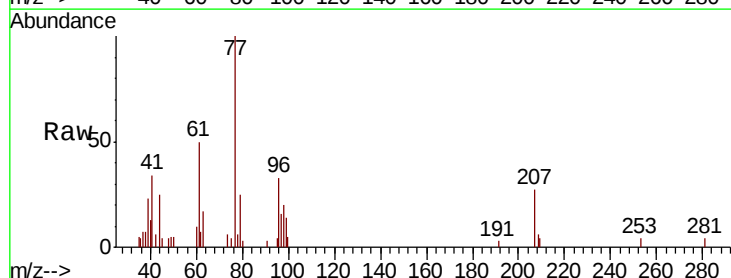
Acq: 27 May 2020 14:20

Tgt Ion: 77 Resp: 4919

Ion Ratio Lower Upper

77 100

97 22.2 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.54

1500

1000

500

0

4.45

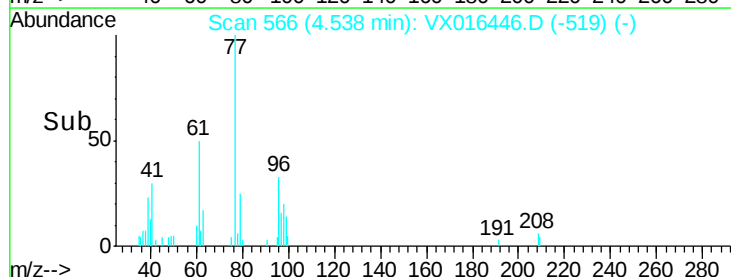
4.50

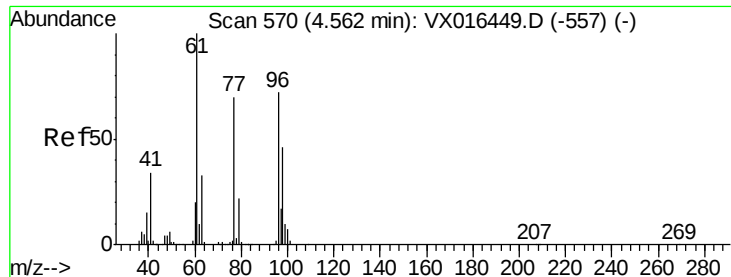
4.55

4.60

4.65

Time-->





#27

cis-1,2-Dichloroethene

Concen: 1.008 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

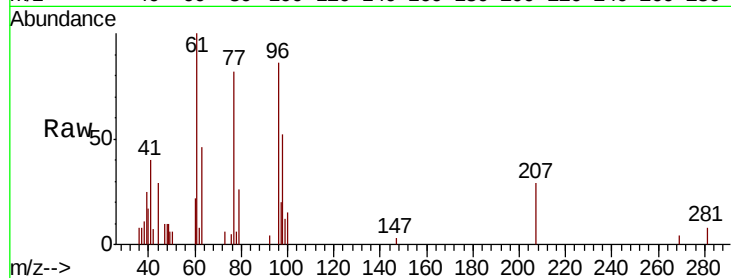
Tot Ion: 96 Resp: 4082

Ion Ratio Lower Upper

96 100

61 128.4 0.0 284.6

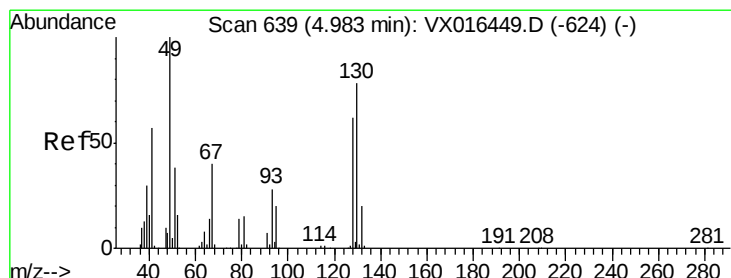
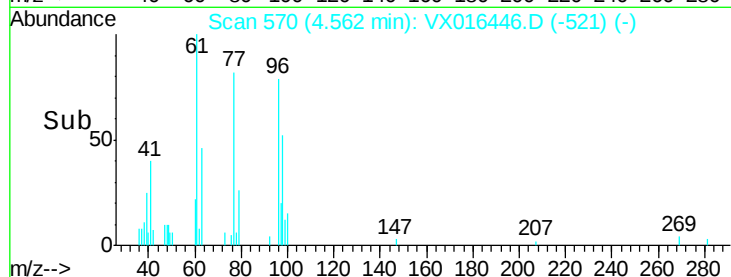
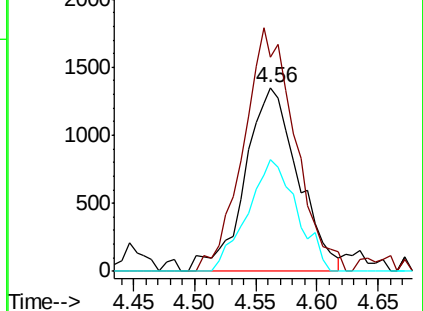
98 56.3 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 1.015 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

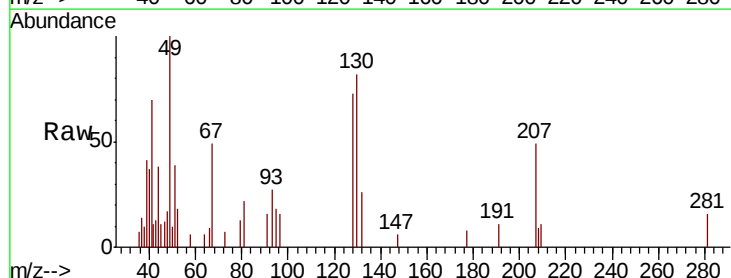
Tgt Ion: 49 Resp: 2966

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

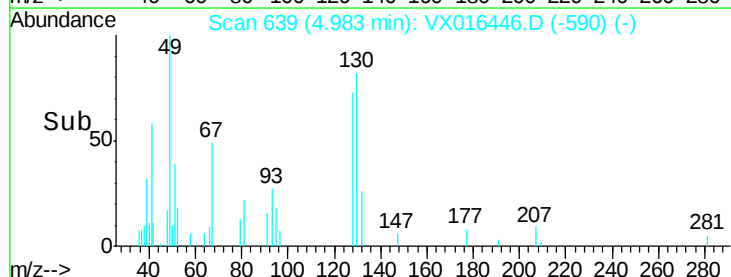
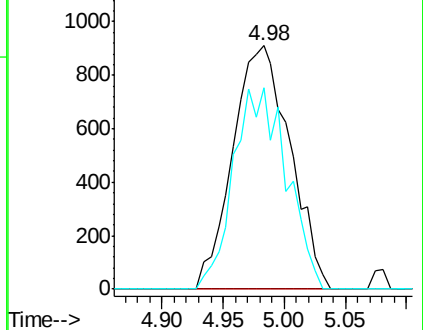
130 76.6 63.0 94.4

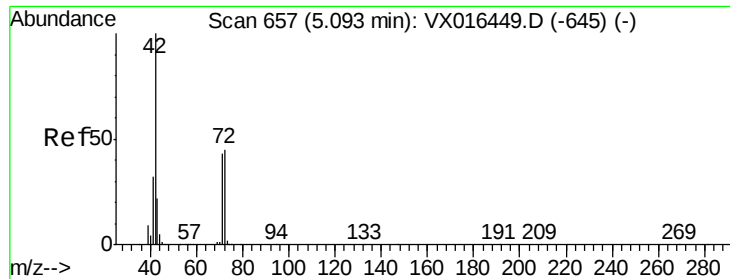


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

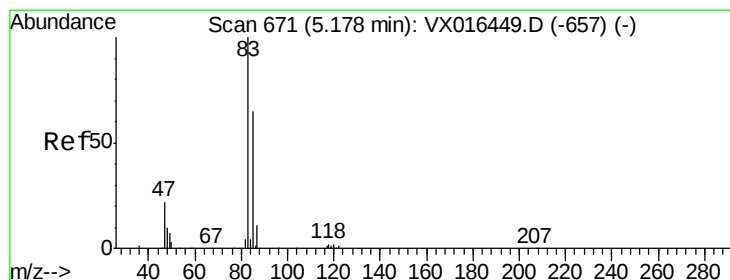
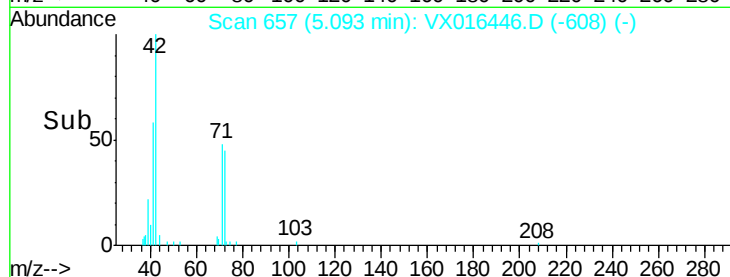
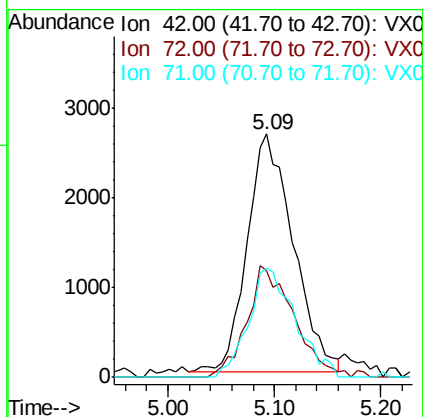
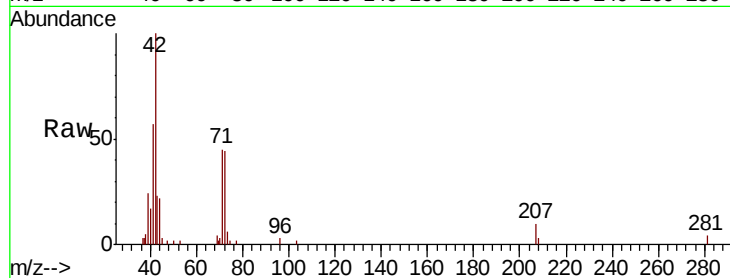




#29
Tetrahydrofuran
Concen: 4.002 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

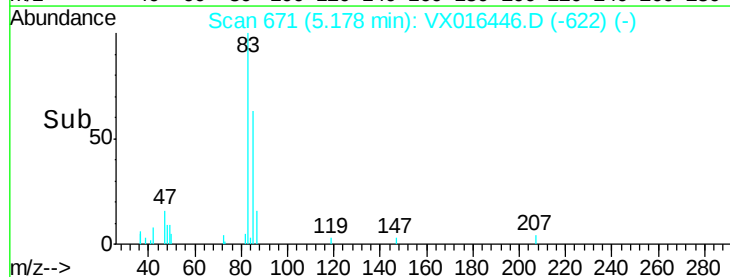
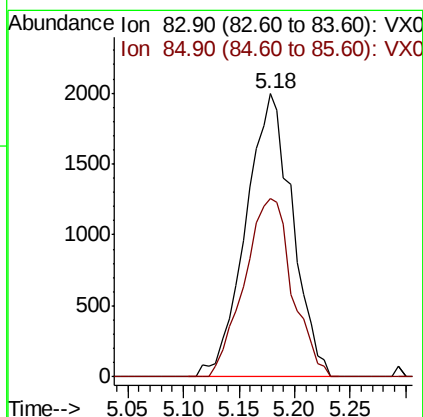
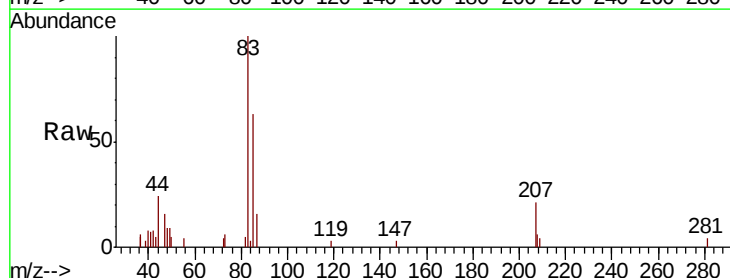
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

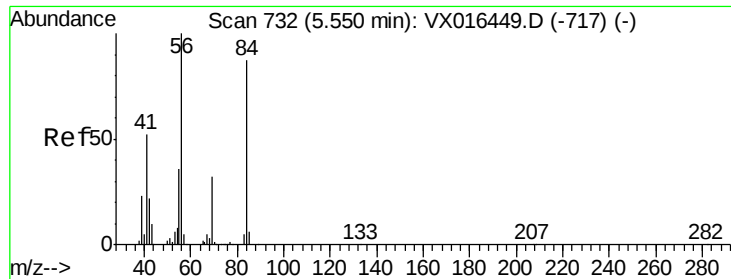
Tot Ion: 42 Resp: 8041
Ion Ratio Lower Upper
42 100
72 47.6 37.0 55.4
71 46.3 34.1 51.1



#30
Chloroform
Concen: 0.908 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion: 83 Resp: 5817
Ion Ratio Lower Upper
83 100
85 62.8 52.0 78.0





#31

Cyclohexane

Concen: 0.859 ug/l

RT: 5.54 min Scan# 730

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

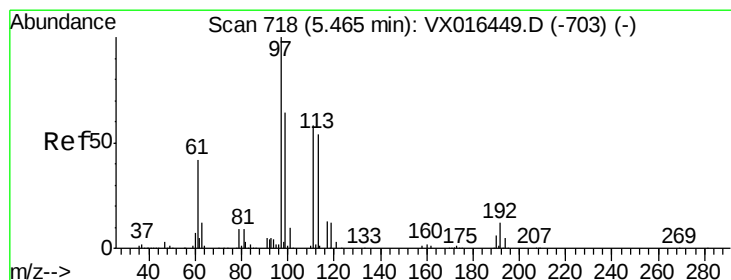
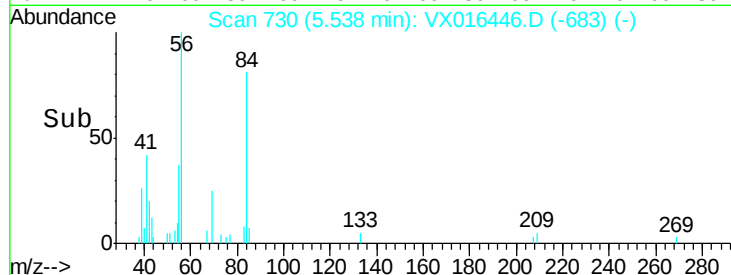
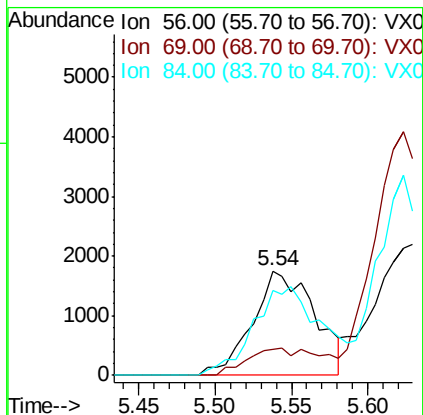
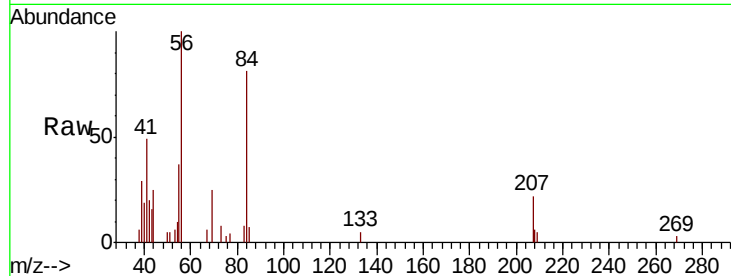
Tot Ion: 56 Resp: 4973

Ion Ratio Lower Upper

56 100

69 24.5 25.7 38.5#

84 80.8 70.0 105.0



#32

1,1,1-Trichloroethane

Concen: 0.871 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

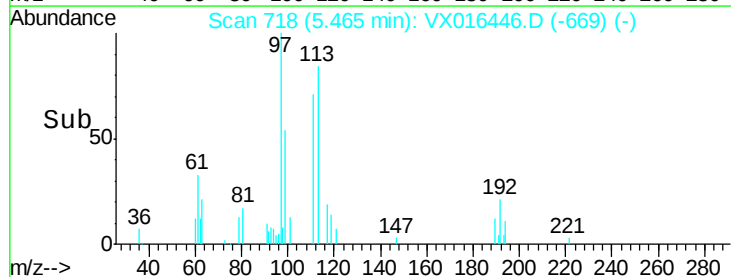
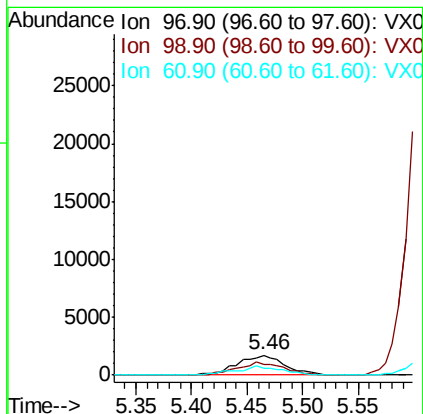
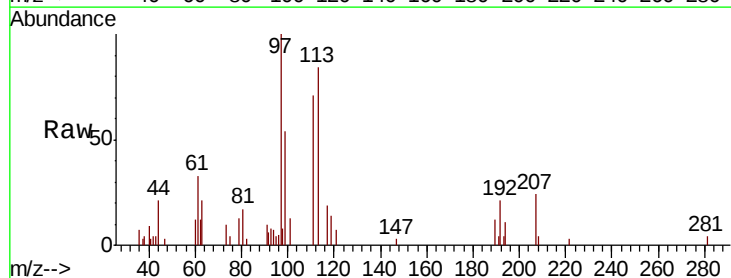
Tgt Ion: 97 Resp: 5079

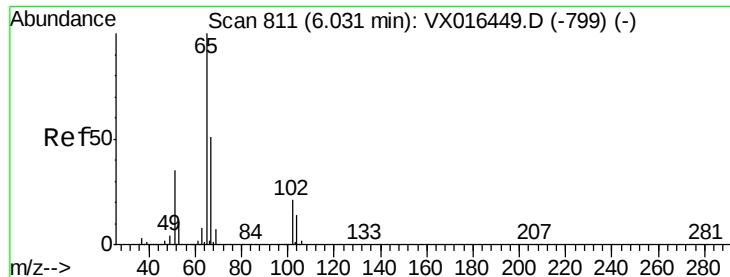
Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.2#

61 44.4 33.5 50.3





#33

1,2-Dichloroethane-d4

Concen: 1.309 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

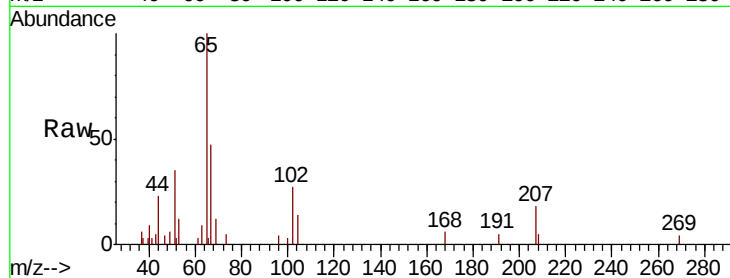
VSTDIC001

Tot Ion: 65 Resp: 5514

Ion Ratio Lower Upper

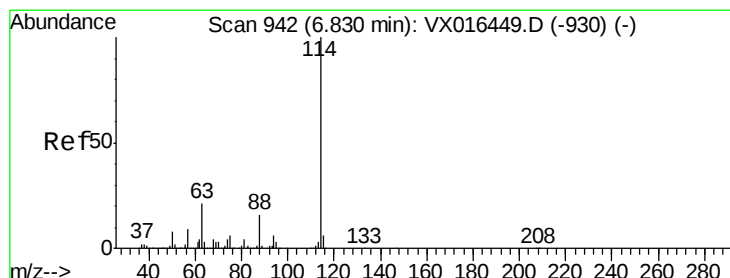
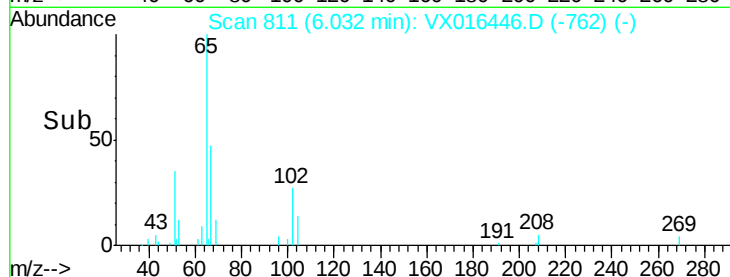
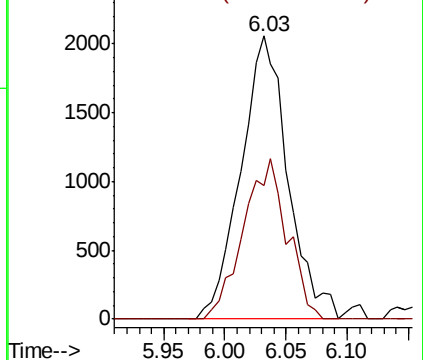
65 100

67 52.7 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

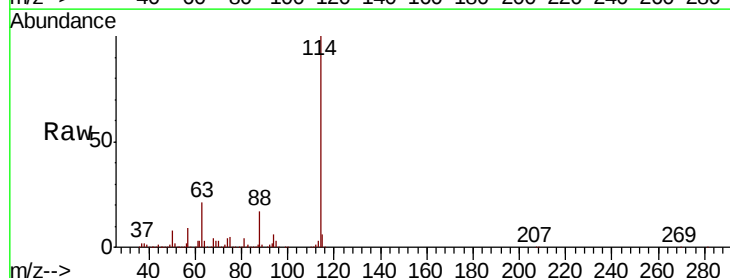
Tgt Ion: 114 Resp: 487431

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

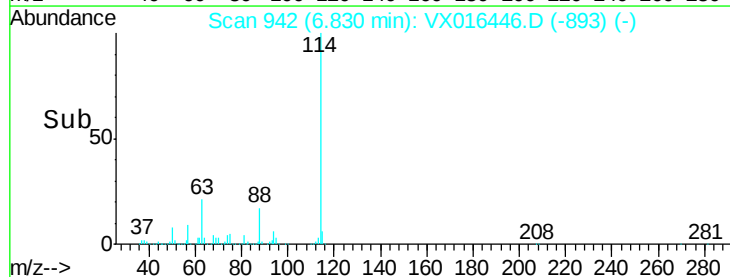
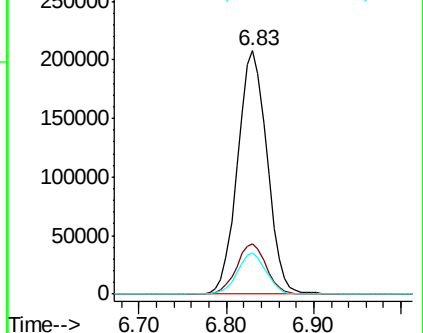
88 16.7 0.0 32.8

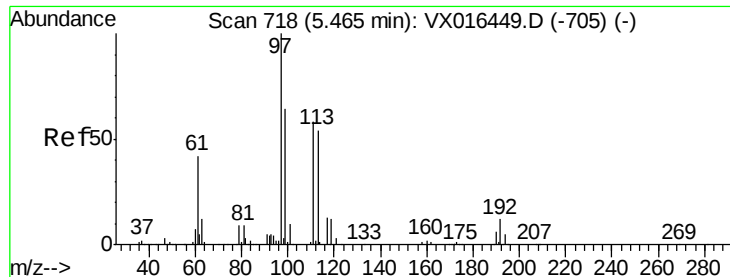


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

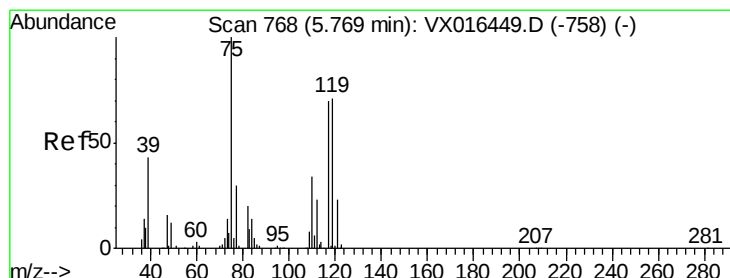
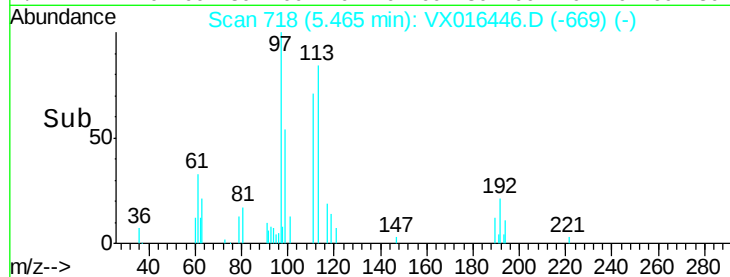
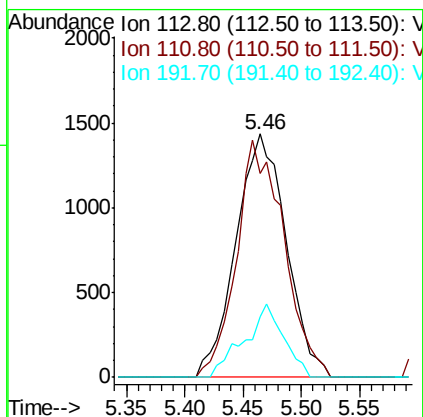
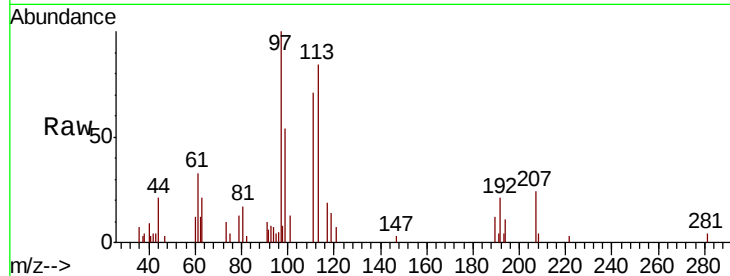




#35
 Dibromofluoromethane
 Concen: 1.386 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

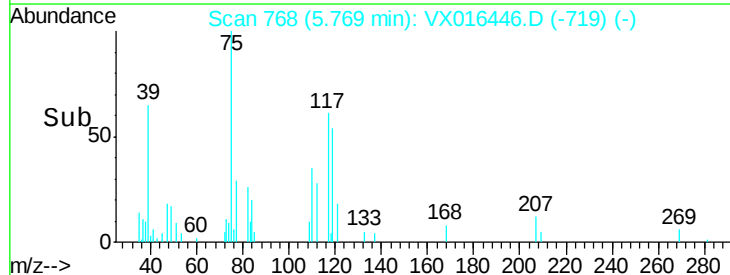
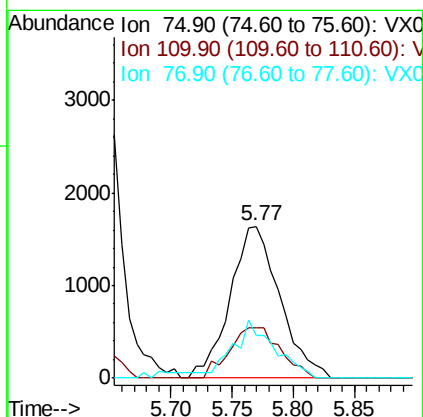
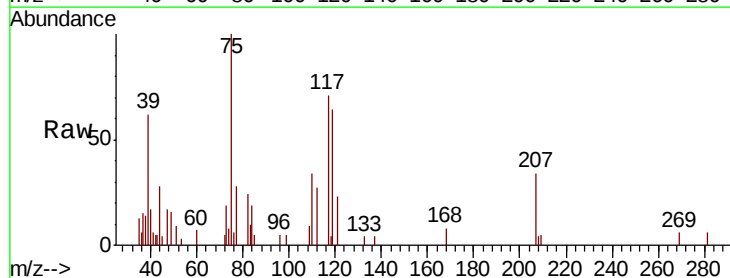
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

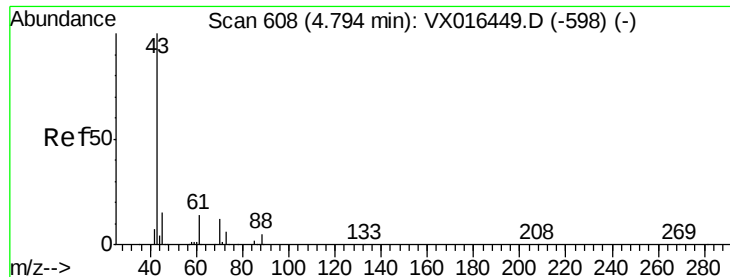
Tot Ion	Ratio	Lower	Upper
113	100		
111	91.8	83.0	124.6
192	23.7	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 0.962 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.4	52.3
77	31.4	24.2	36.4

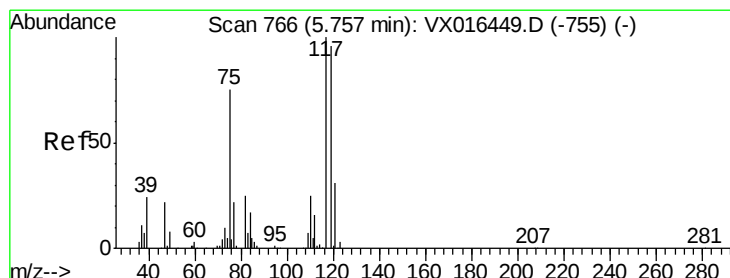
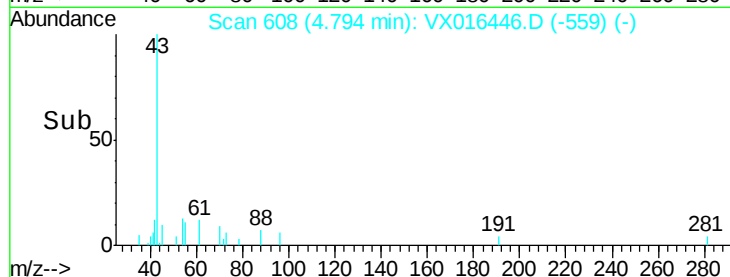
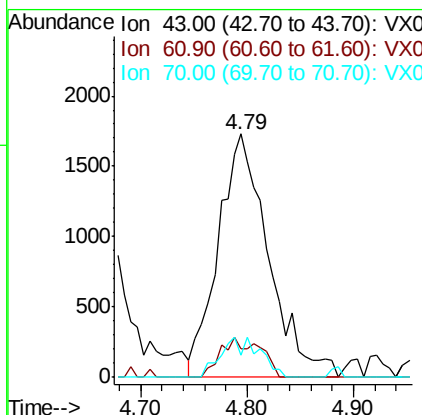
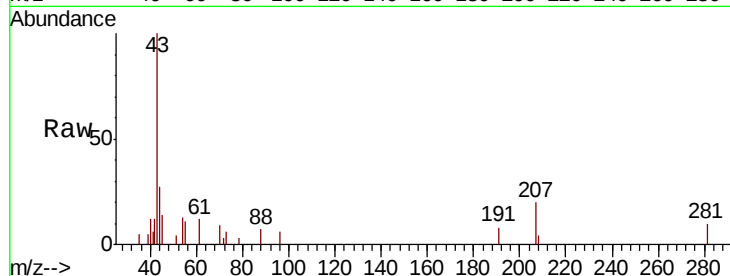




#37
Ethyl Acetate
Concen: 1.025 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

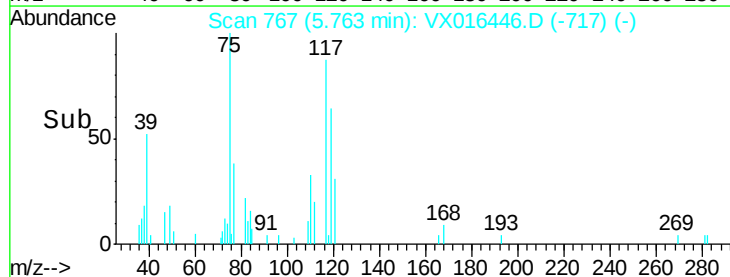
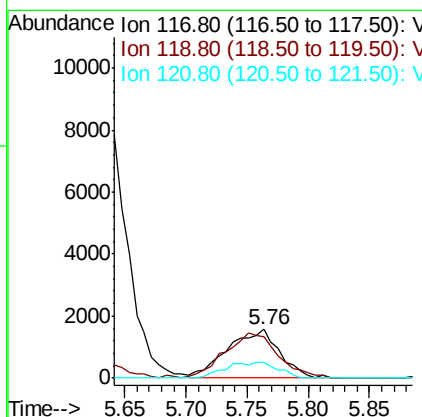
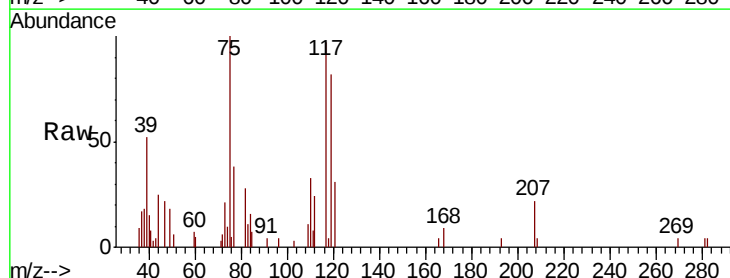
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

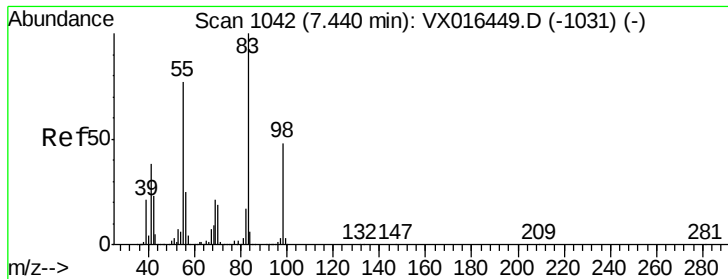
Tot Ion: 43 Resp: 5722
Ion Ratio Lower Upper
43 100
61 8.1 11.3 16.9#
70 6.7 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 0.953 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion: 117 Resp: 4673
Ion Ratio Lower Upper
117 100
119 85.2 76.3 114.5
121 32.3 24.6 37.0

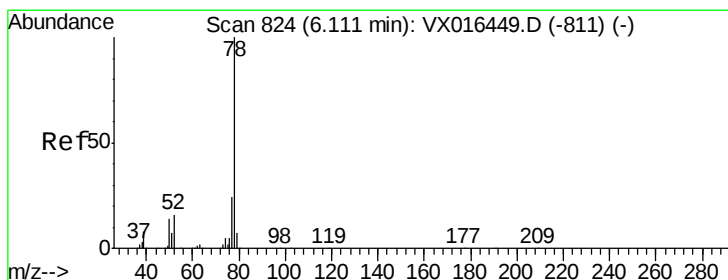
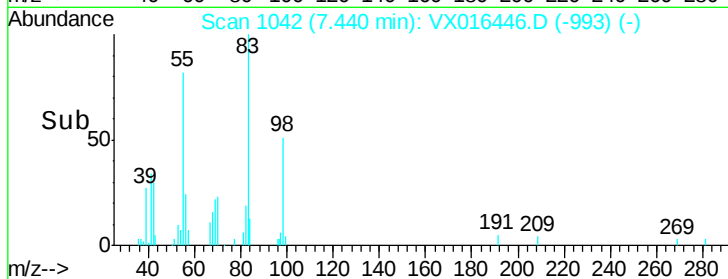
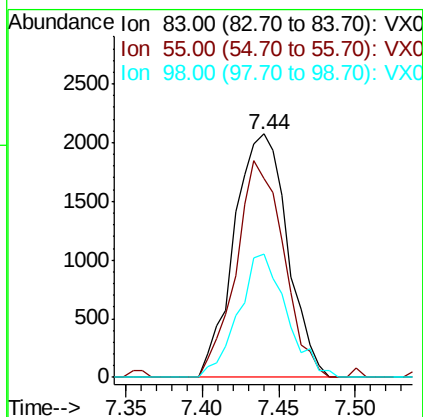
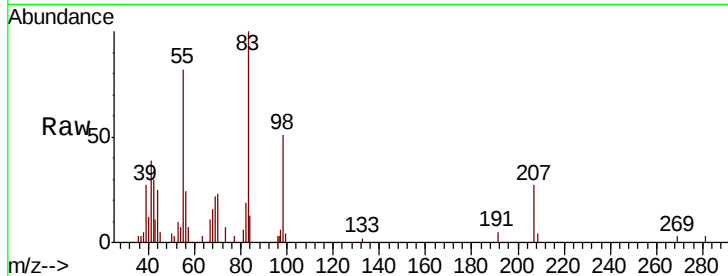




#39
Methvlcvclohexane
Concen: 0.882 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

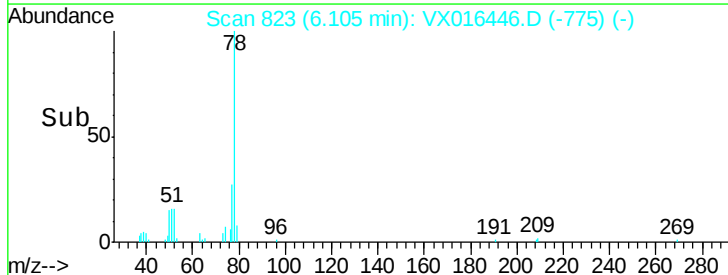
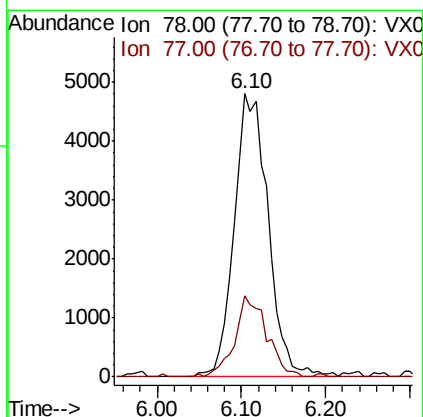
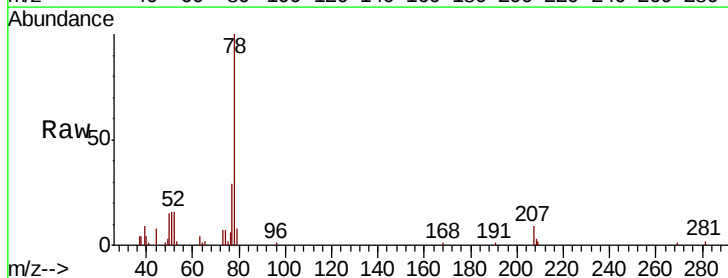
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

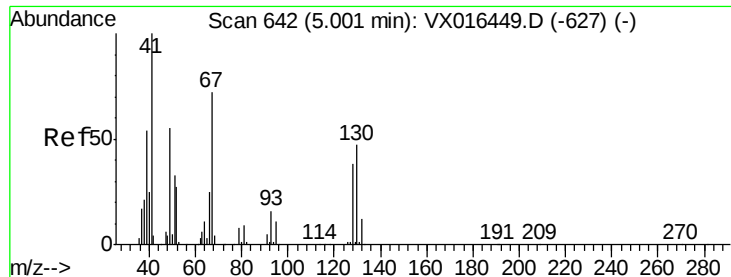
Tot Ion: 83 Resp: 5011
Ion Ratio Lower Upper
83 100
55 81.8 61.7 92.5
98 50.7 38.7 58.1



#40
Benzene
Concen: 0.930 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion: 78 Resp: 13114
Ion Ratio Lower Upper
78 100
77 28.5 18.9 28.3#

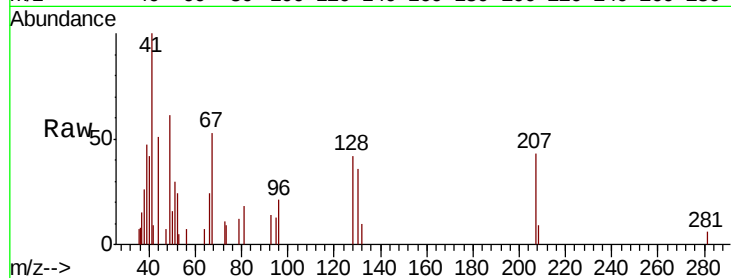




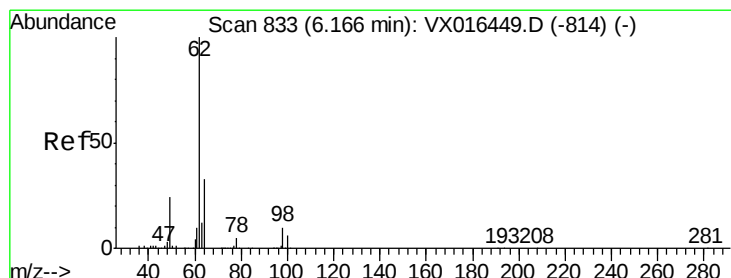
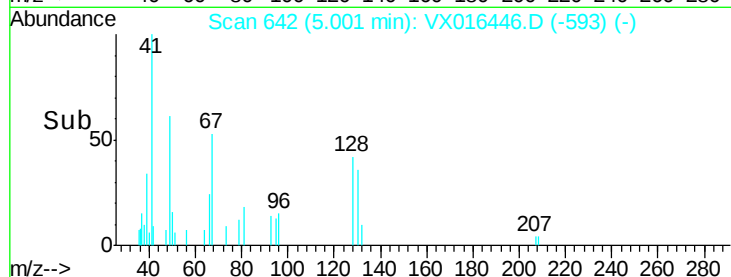
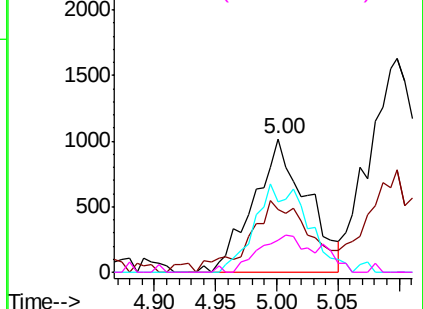
#41
Methacrylonitrile
Concen: 1.025 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:	41	Resp:	3083
Ion	Ratio	Lower	Upper
41	100		
39	58.2	43.0	64.4
67	65.4	58.9	88.3
52	30.6	23.1	34.7

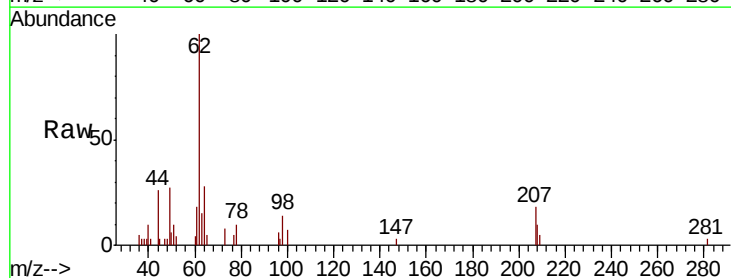


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

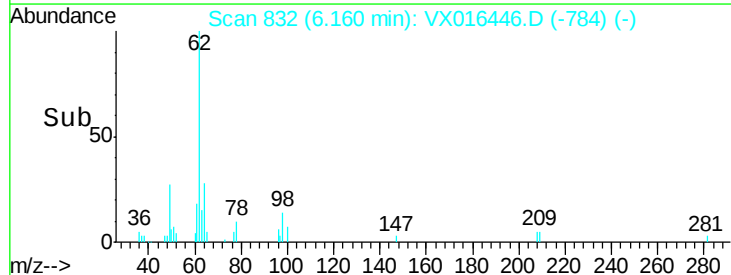
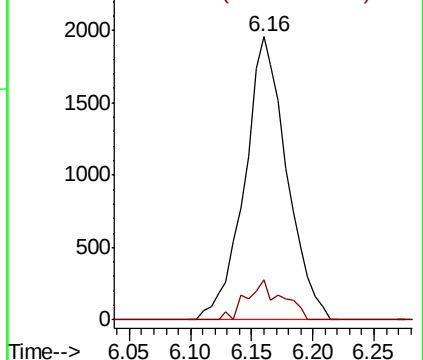


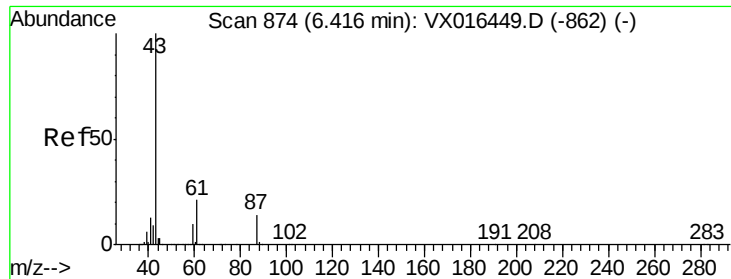
#42
1,2-Dichloroethane
Concen: 0.928 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion:	62	Resp:	4704
Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	19.8



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





#43

Isopropyl Acetate

Concen: 0.931 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

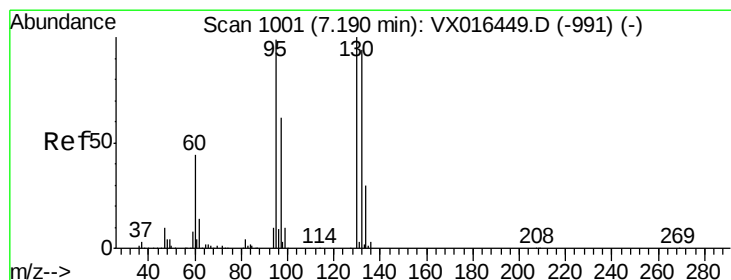
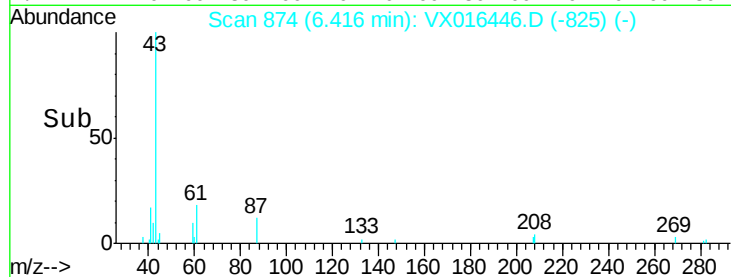
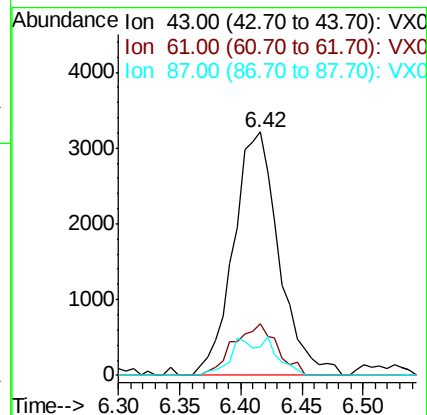
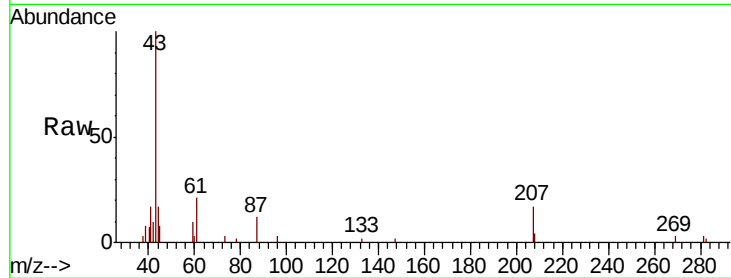
Tot Ion: 43 Resp: 8267

Ion Ratio Lower Upper

43 100

61 20.4 16.8 25.2

87 7.7 11.2 16.8#



#44

Trichloroethene

Concen: 0.934 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016446.D

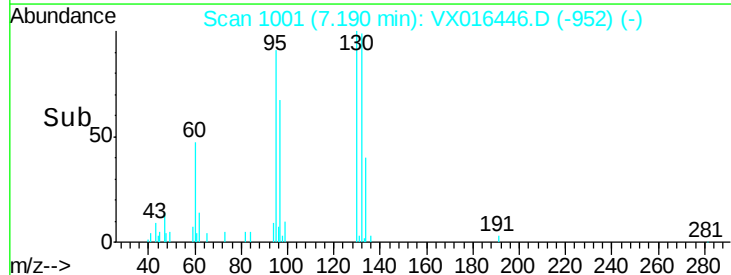
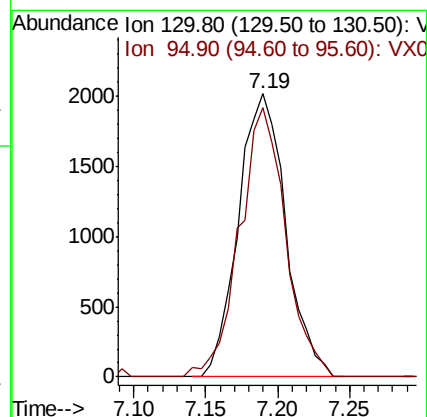
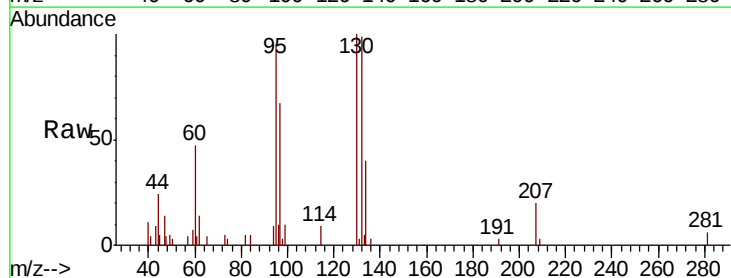
Acq: 27 May 2020 14:20

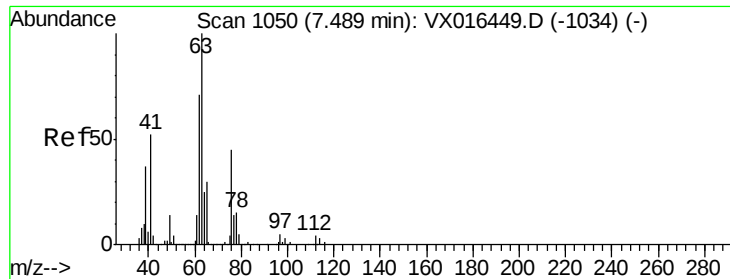
Tgt Ion: 130 Resp: 4595

Ion Ratio Lower Upper

130 100

95 95.3 0.0 198.2

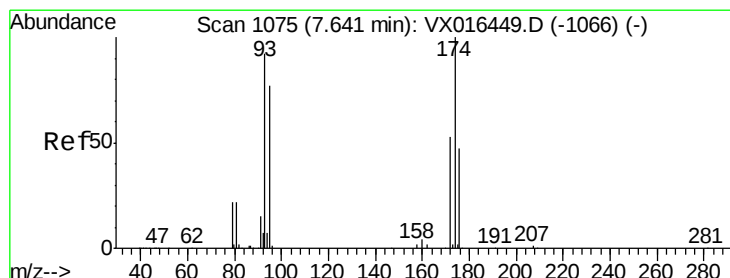
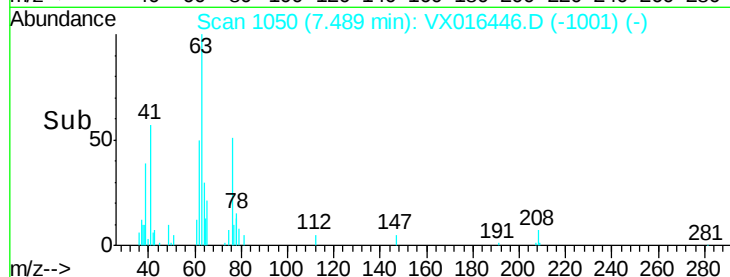
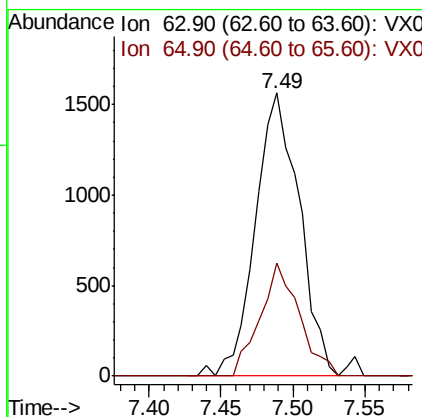
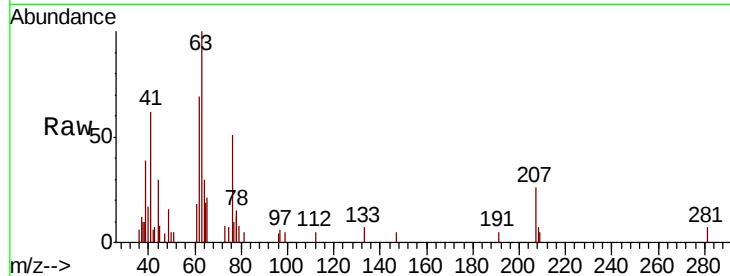




#45
 1,2-Dichloropropane
 Concen: 0.931 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

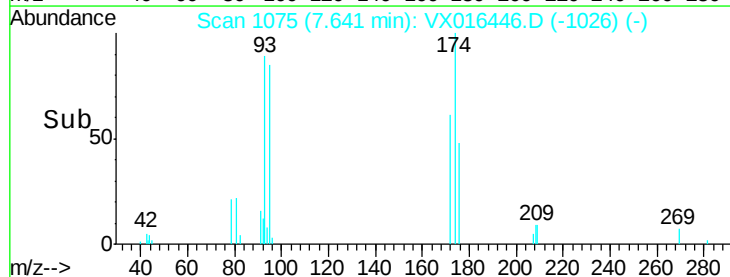
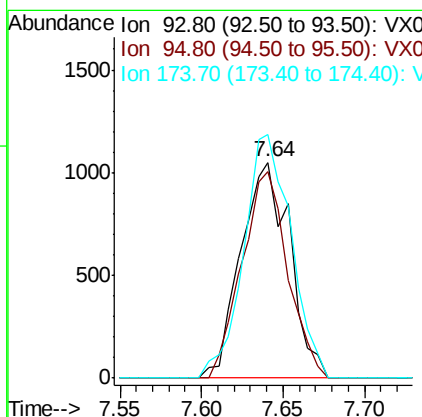
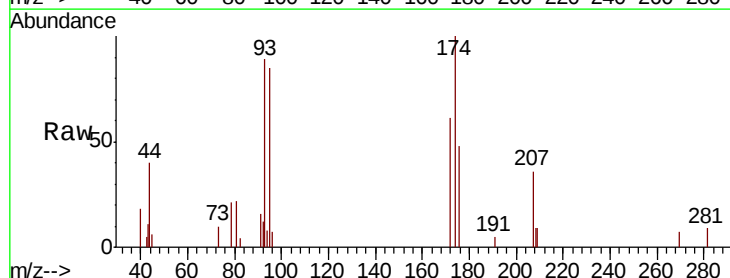
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

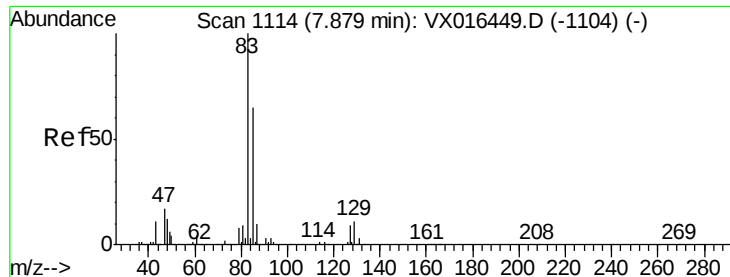
Tot Ion: 63 Resp: 3315
 Ion Ratio Lower Upper
 63 100
 65 39.9 24.2 36.2#



#46
 Dibromomethane
 Concen: 0.906 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion: 93 Resp: 2193
 Ion Ratio Lower Upper
 93 100
 95 89.6 66.6 100.0
 174 109.1 86.2 129.4





#47

Bromodichloromethane

Concen: 0.906 ug/l

RT: 7.87 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

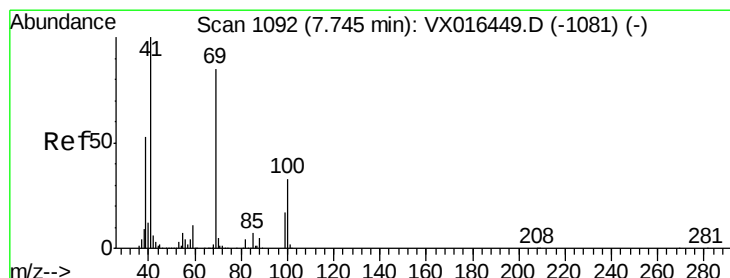
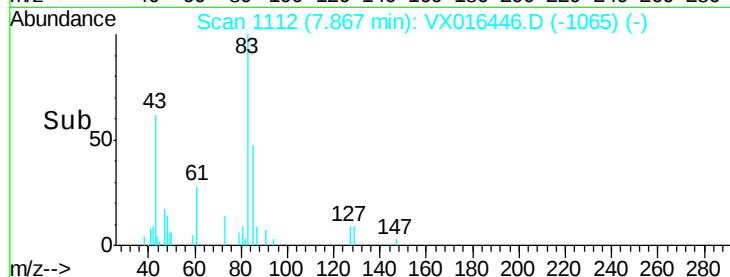
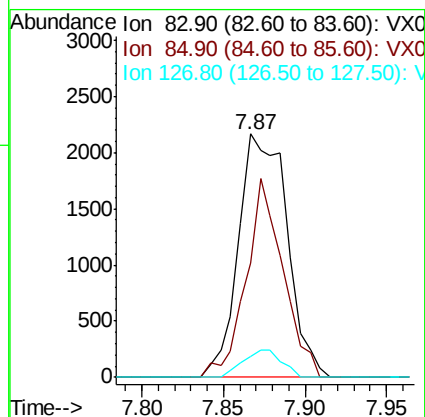
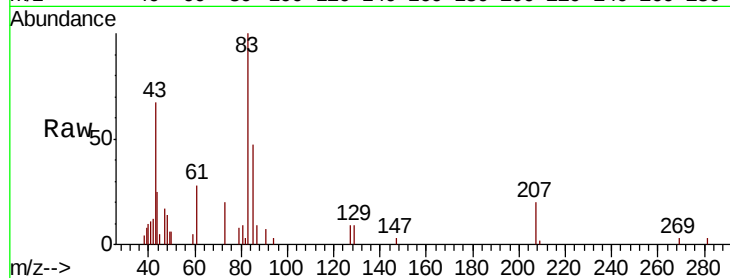
Tot Ion: 83 Resp: 4468

Ion Ratio Lower Upper

83 100

85 46.7 52.0 78.0#

127 8.8 7.4 11.0



#48

Methyl methacrylate

Concen: 0.928 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

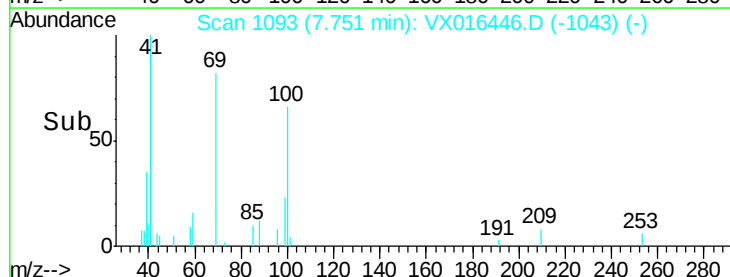
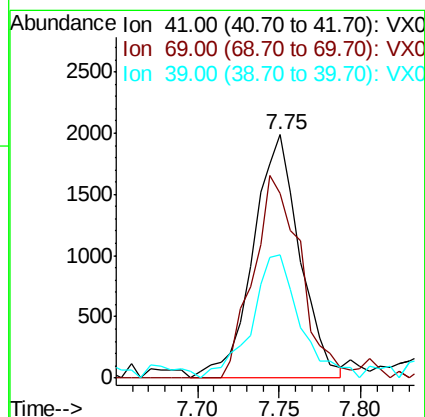
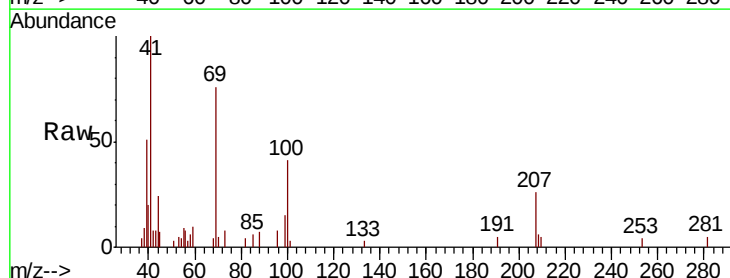
Tgt Ion: 41 Resp: 3920

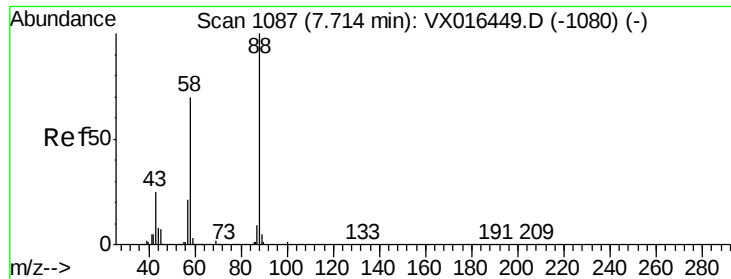
Ion Ratio Lower Upper

41 100

69 84.2 68.6 102.8

39 52.4 42.4 63.6





#49

1,4-Dioxane

Concen: 17.788 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

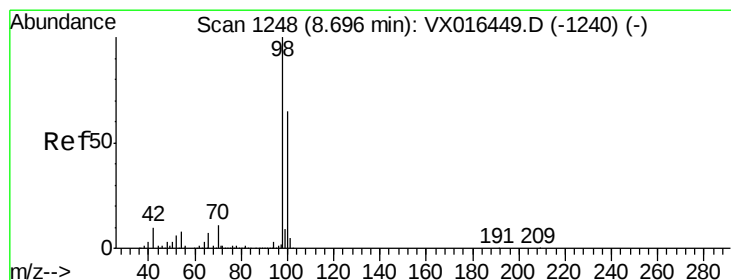
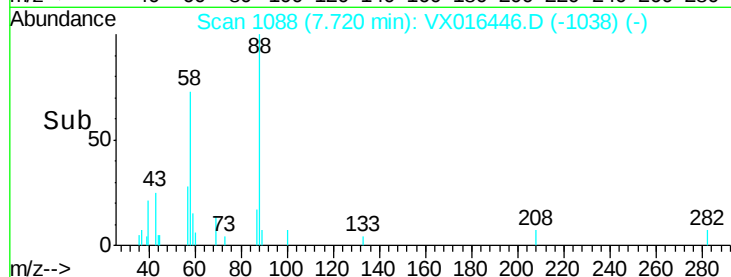
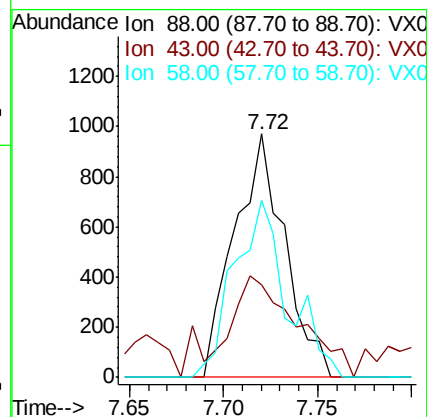
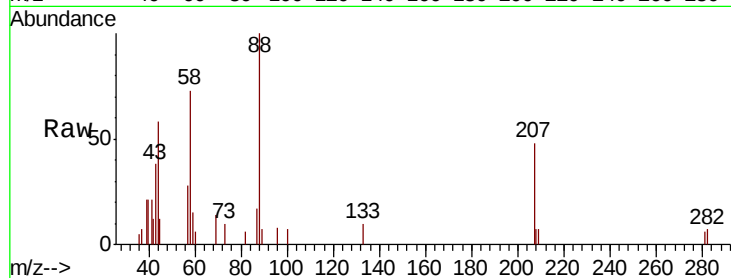
Tot Ion: 88 Resp: 1796

Ion Ratio Lower Upper

88 100

43 54.7 24.2 36.4#

58 77.2 56.5 84.7



#50

Toluene-d8

Concen: 1.127 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016446.D

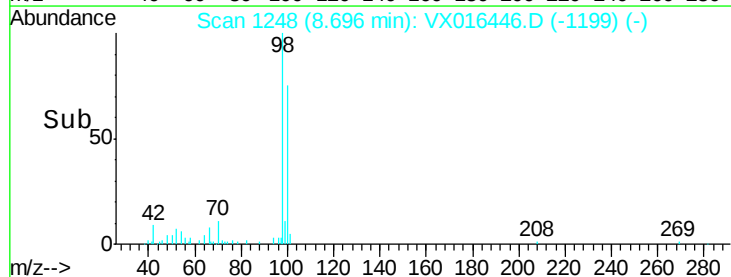
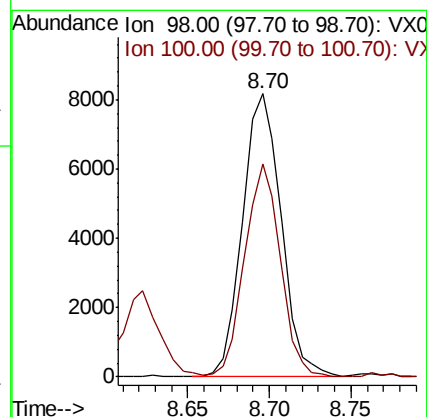
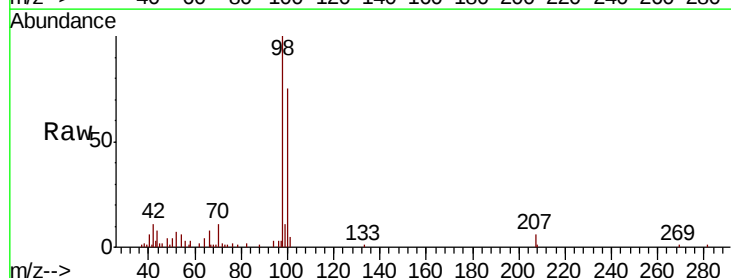
Acq: 27 May 2020 14:20

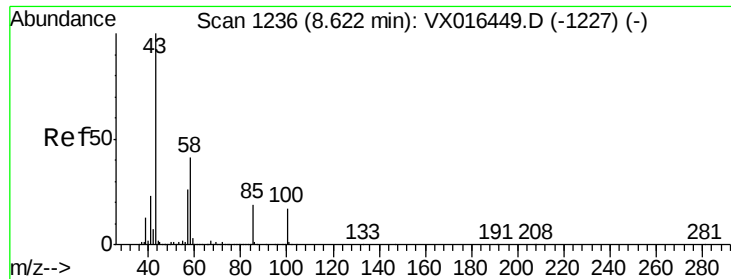
Tgt Ion: 98 Resp: 13504

Ion Ratio Lower Upper

98 100

100 69.7 53.8 80.6

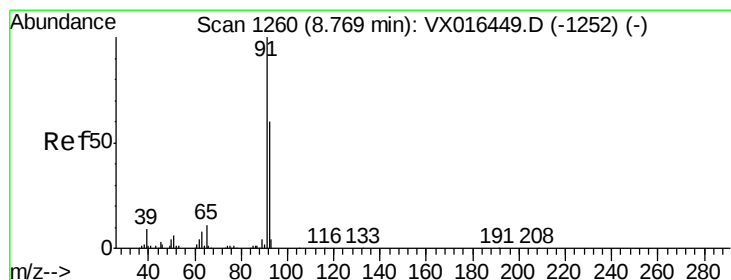
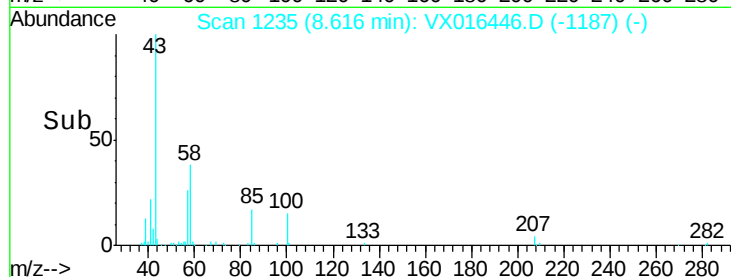
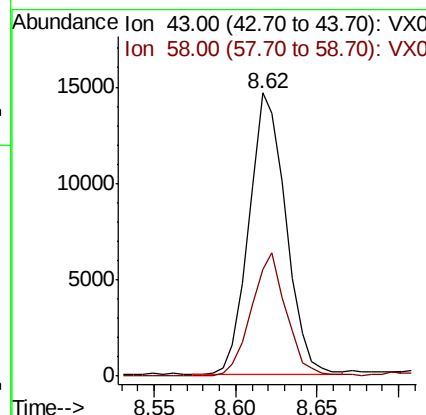
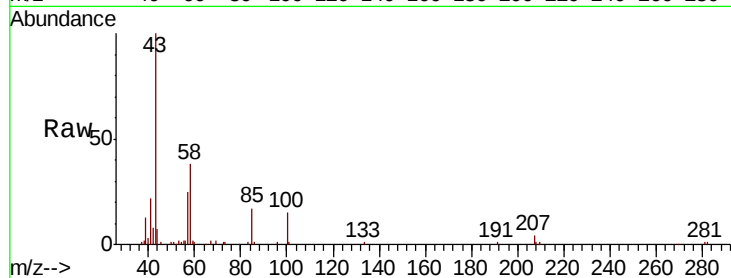




#51
 4-Methyl-2-Pentanone
 Concen: 4.239 ug/l
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

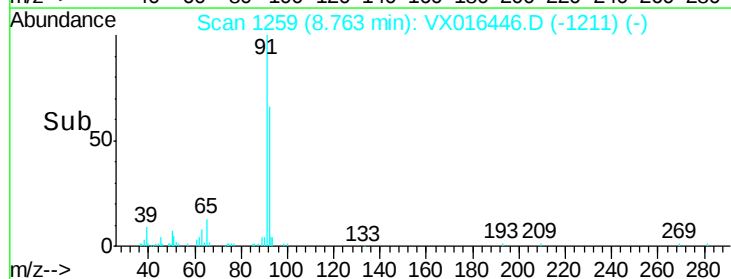
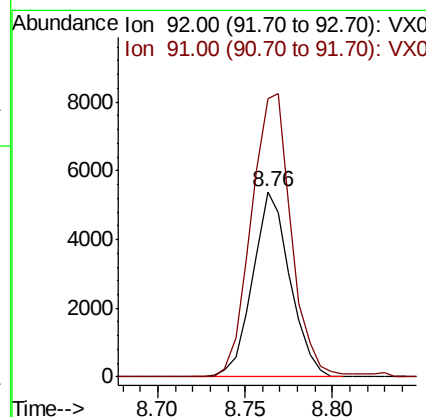
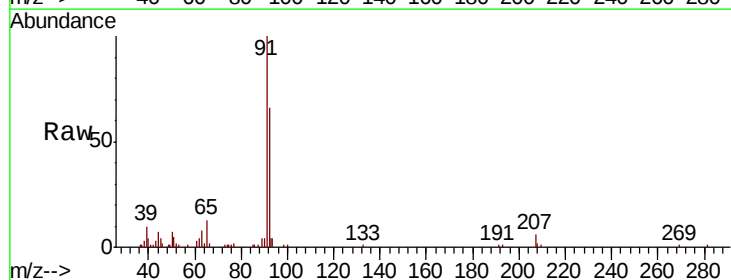
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

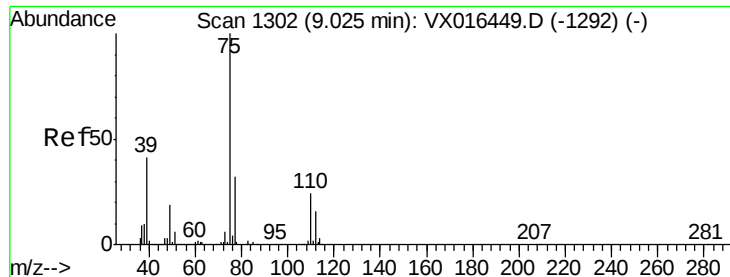
Tot Ion: 43 Resp: 23116
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.0 49.6



#52
 Toluene
 Concen: 0.915 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion: 92 Resp: 8038
 Ion Ratio Lower Upper
 92 100
 91 165.1 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 0.833 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

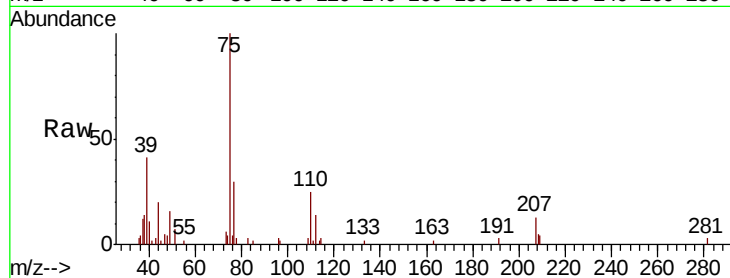
VSTDIC001

Tot Ion: 75 Resp: 4882

Ion Ratio Lower Upper

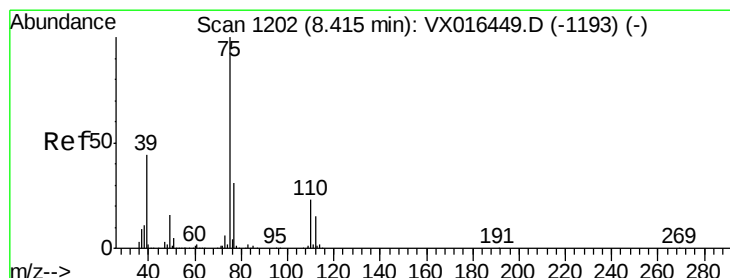
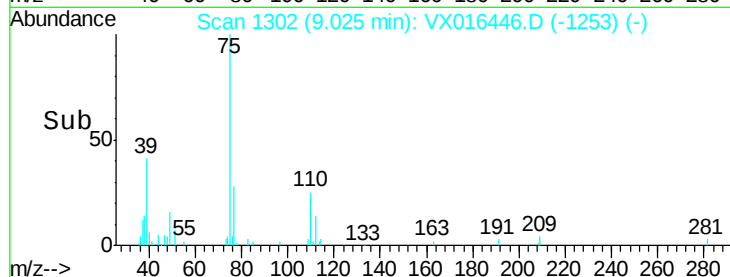
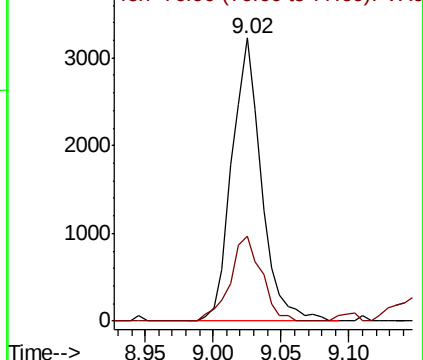
75 100

77 30.0 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: 0.872 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

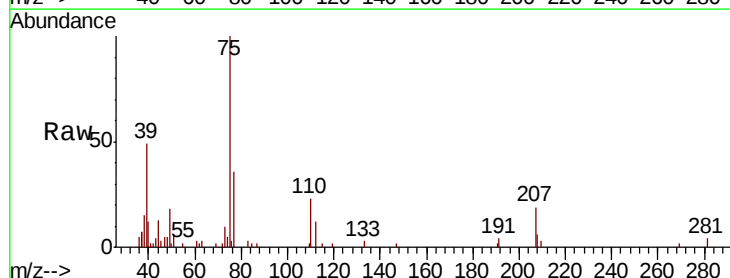
Tgt Ion: 75 Resp: 5340

Ion Ratio Lower Upper

75 100

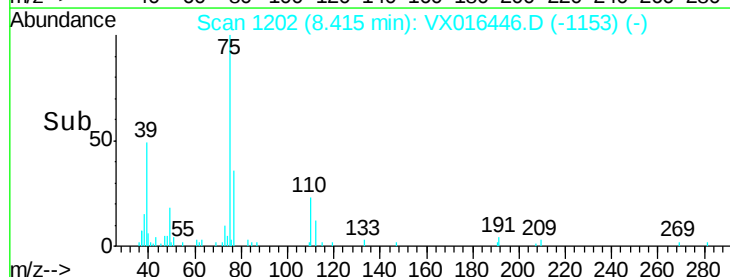
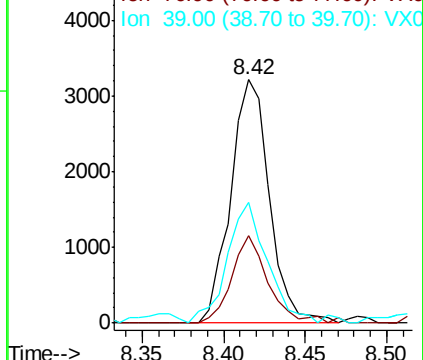
77 36.0 24.6 36.8

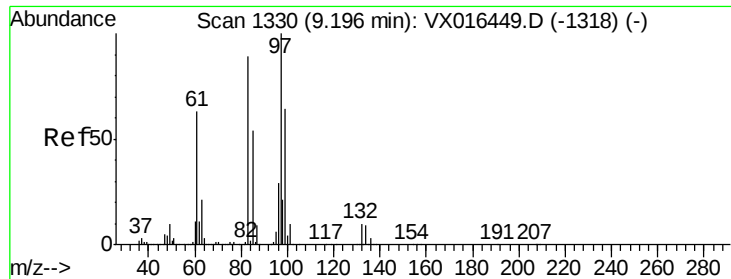
39 49.4 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

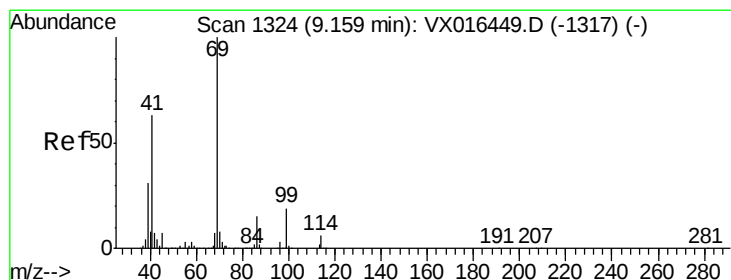
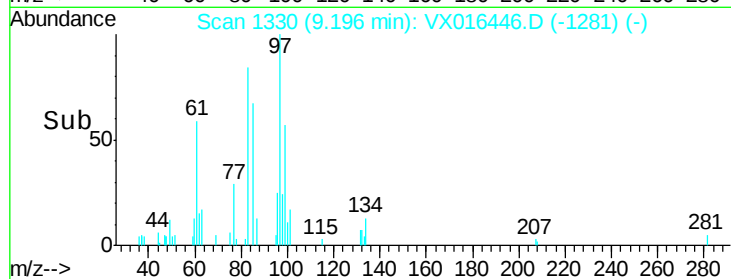
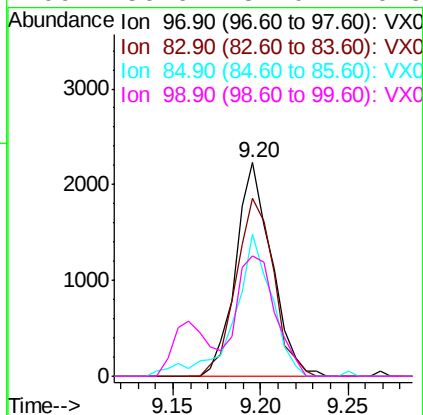
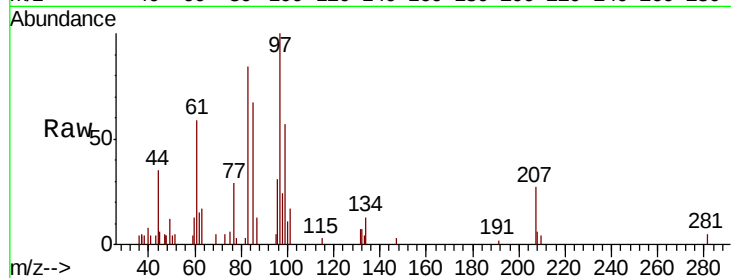




#55
 1,1,2-Trichloroethane
 Concen: 0.923 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

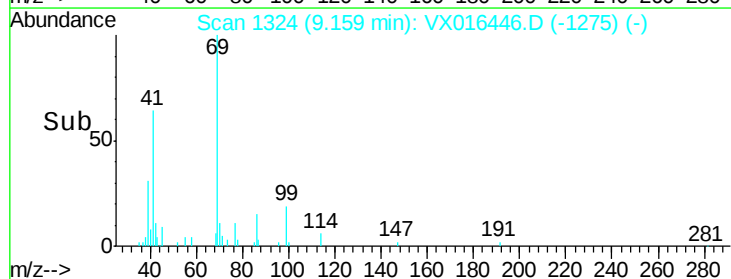
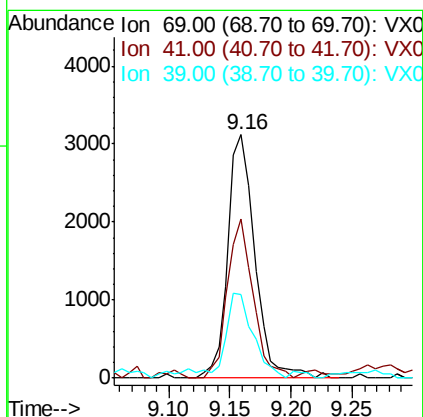
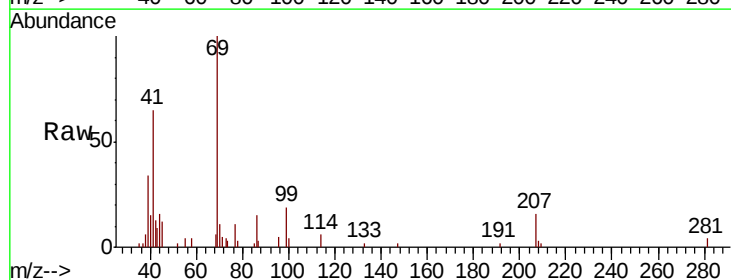
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

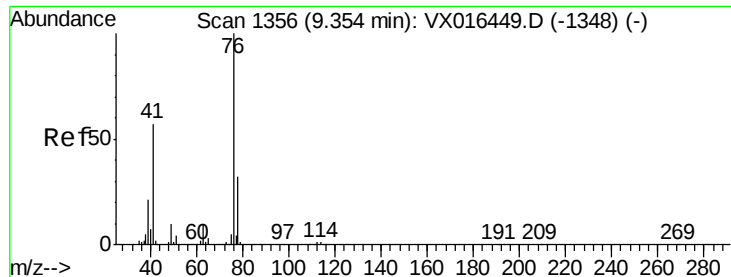
Tot Ion: 97 Resp: 3187
 Ion Ratio Lower Upper
 97 100
 83 83.6 70.9 106.3
 85 66.5 43.4 65.2#
 99 56.6 51.0 76.6



#56
 Ethyl methacrylate
 Concen: 0.845 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion: 69 Resp: 4778
 Ion Ratio Lower Upper
 69 100
 41 62.0 50.7 76.1
 39 33.5 25.8 38.6





#57

1,3-Dichloropropane

Concen: 0.884 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

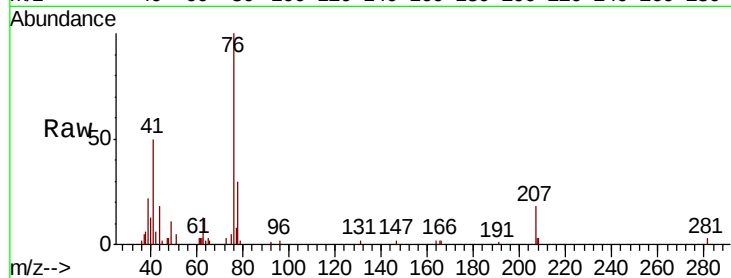
VSTDIC001

Tot Ion: 76 Resp: 5334

Ion Ratio Lower Upper

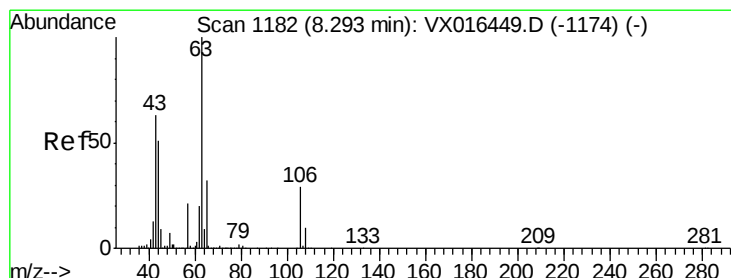
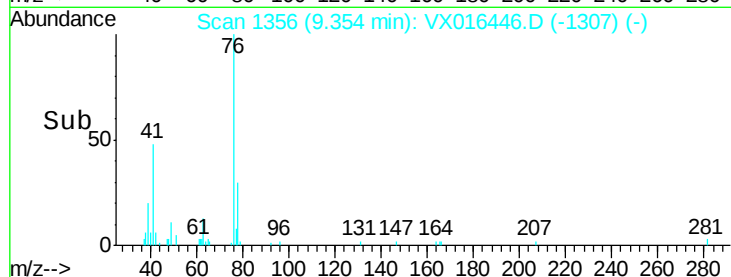
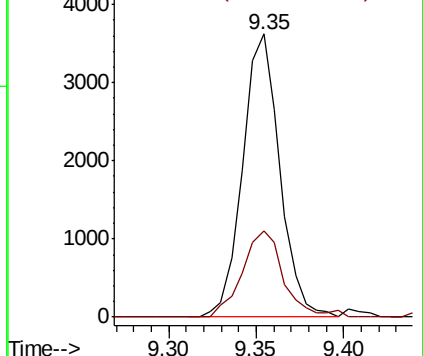
76 100

78 34.0 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: 4.867 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX016446.D

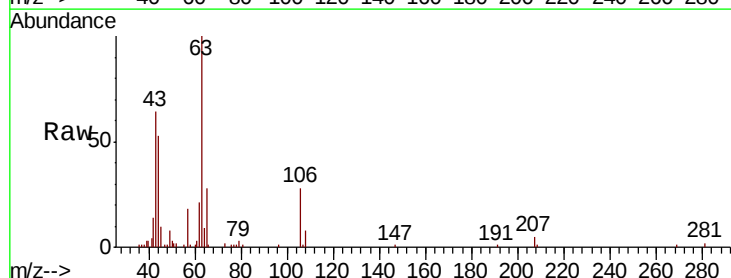
Acq: 27 May 2020 14:20

Tgt Ion: 63 Resp: 14557

Ion Ratio Lower Upper

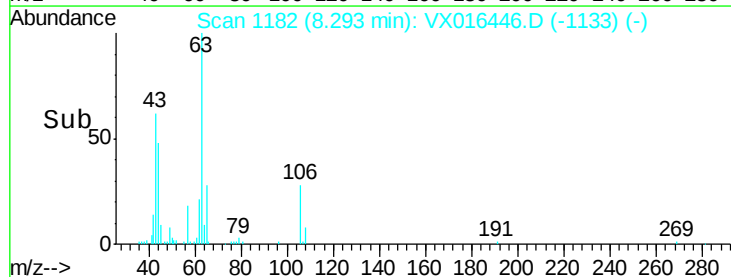
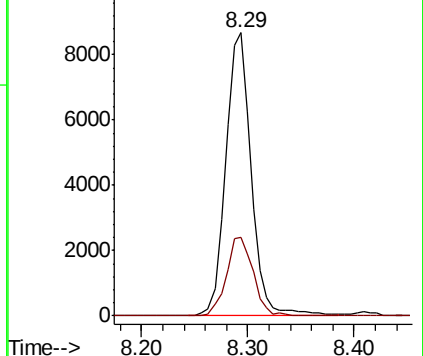
63 100

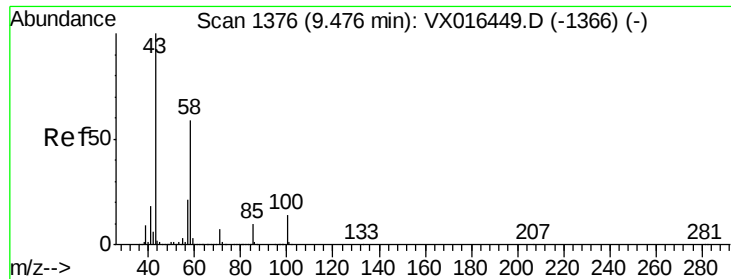
106 29.0 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

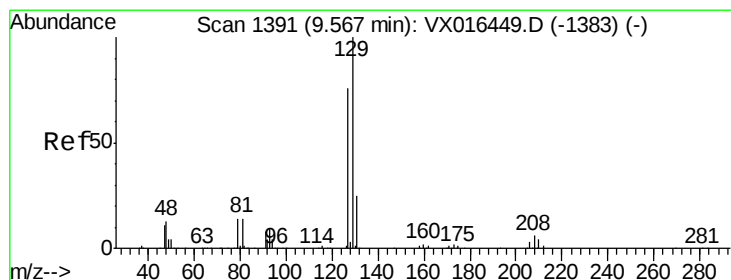
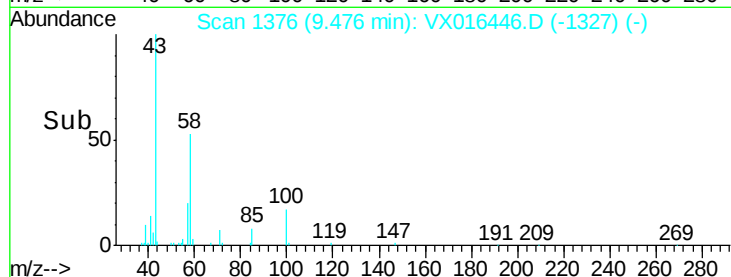
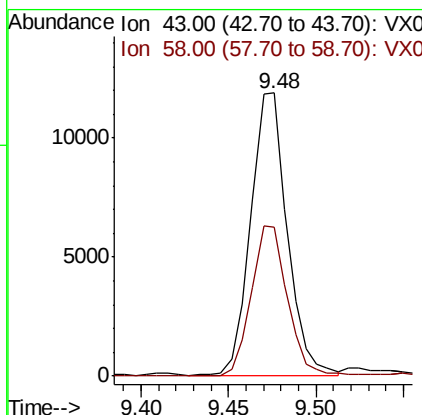
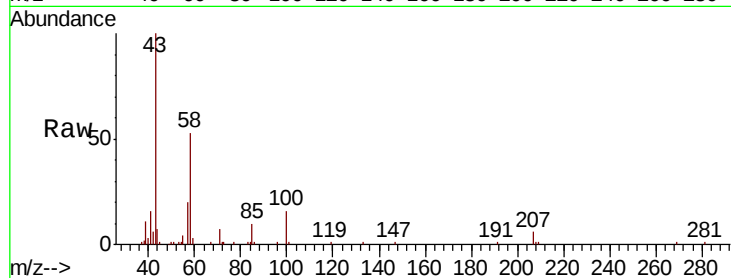




#59
2-Hexanone
Concen: 4.046 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

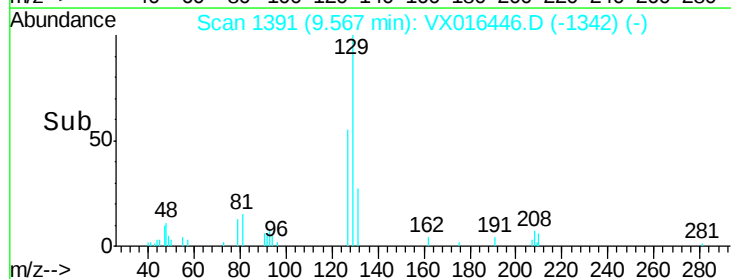
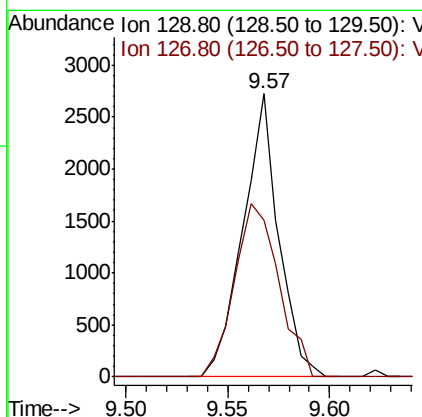
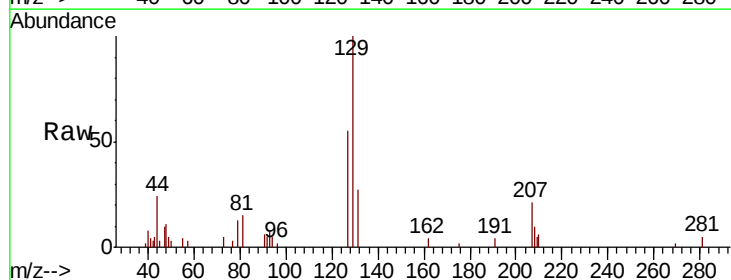
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

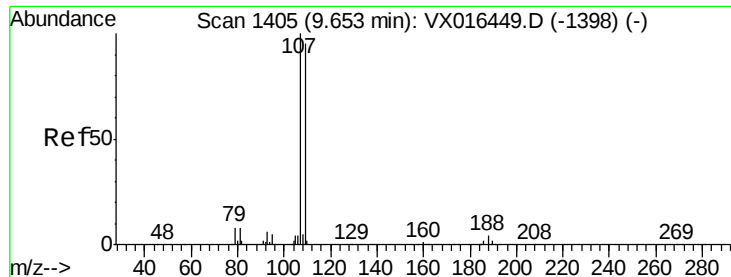
Tot Ion: 43 Resp: 17353
Ion Ratio Lower Upper
43 100
58 52.3 28.8 86.4



#60
Dibromochloromethane
Concen: 0.869 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion: 129 Resp: 3320
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 0.895 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

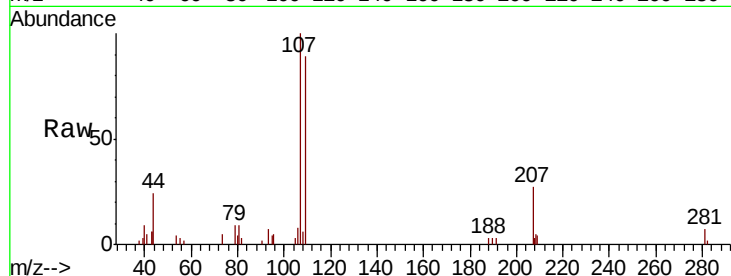
VSTDIC001

Tot Ion:107 Resp: 3339

Ion Ratio Lower Upper

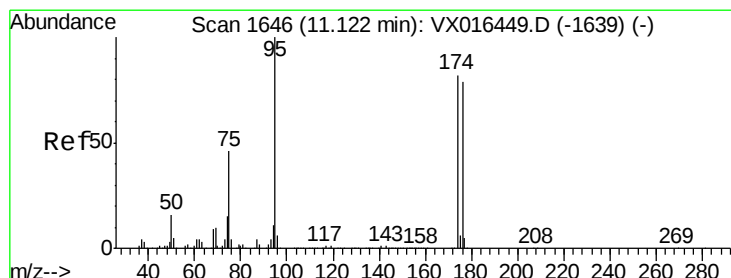
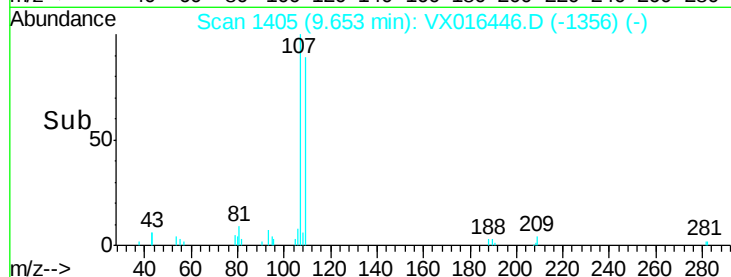
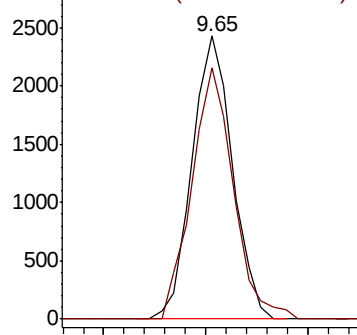
107 100

109 91.6 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.355 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

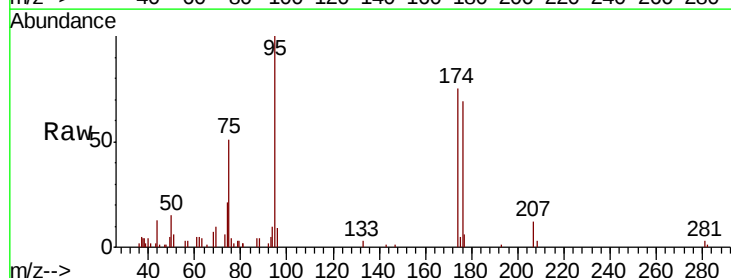
Tgt Ion: 95 Resp: 6160

Ion Ratio Lower Upper

95 100

174 76.8 0.0 163.0

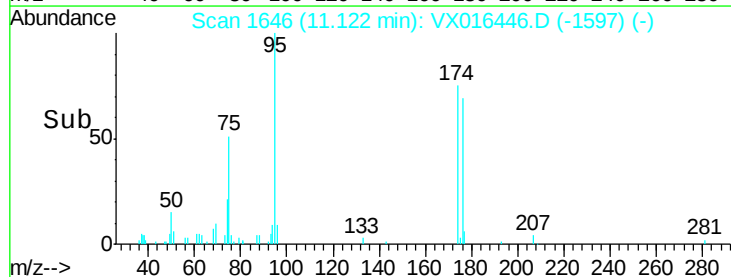
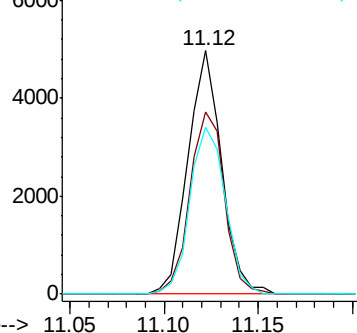
176 72.2 0.0 156.8

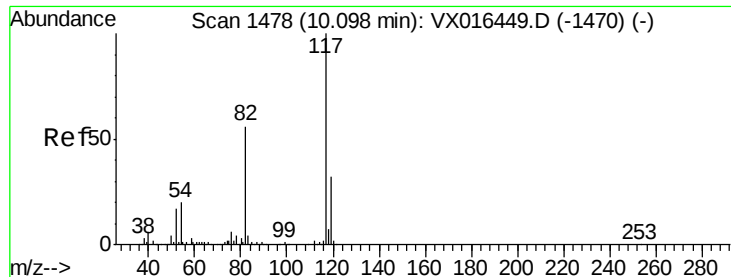


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

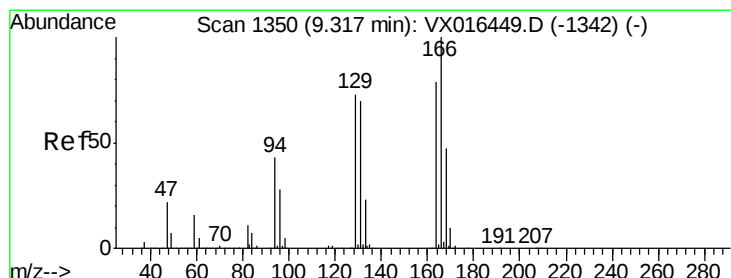
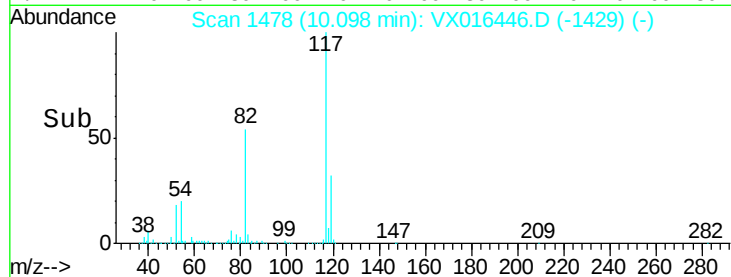
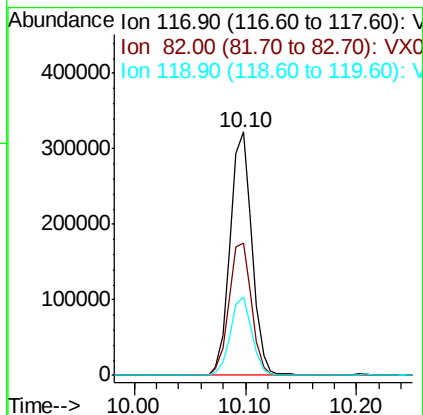
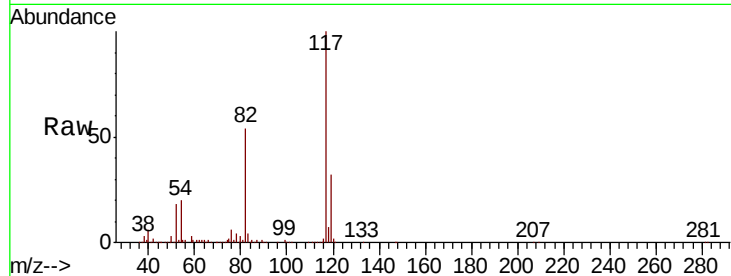




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

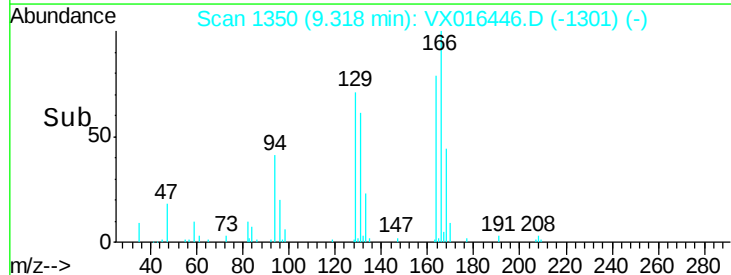
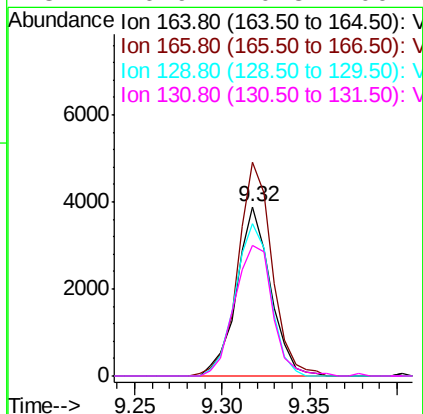
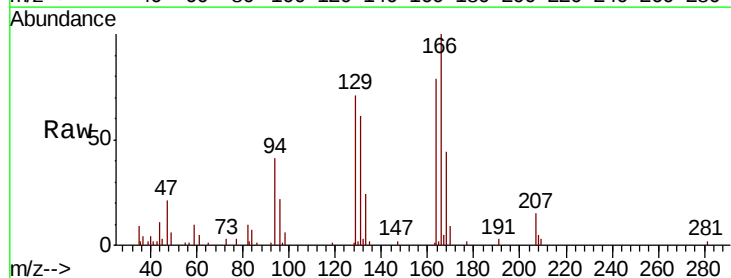
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

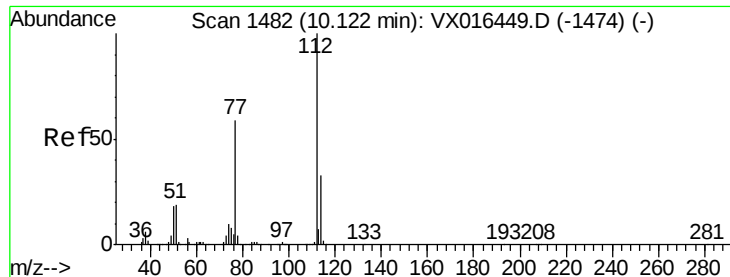
Tot Ion:117 Resp: 437025
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.6
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 0.988 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion:164 Resp: 5248
Ion Ratio Lower Upper
164 100
166 126.2 100.9 151.3
129 90.0 73.2 109.8
131 76.9 70.8 106.2

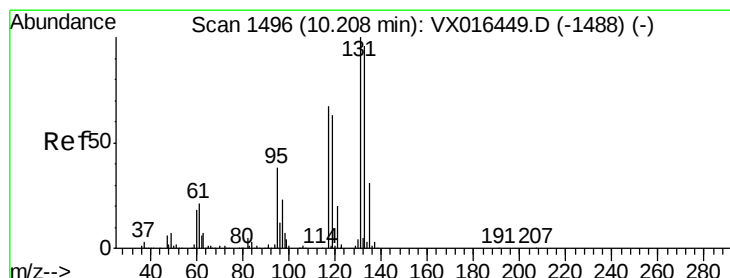
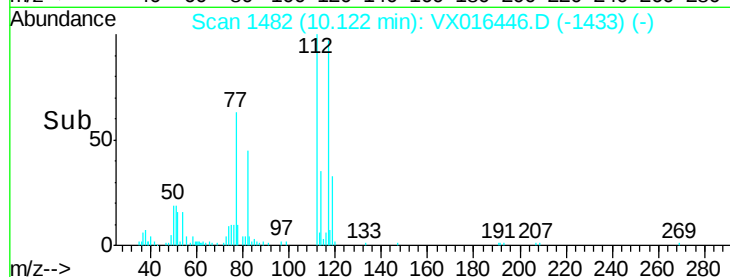
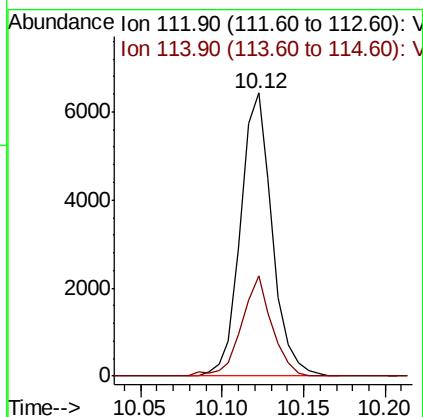
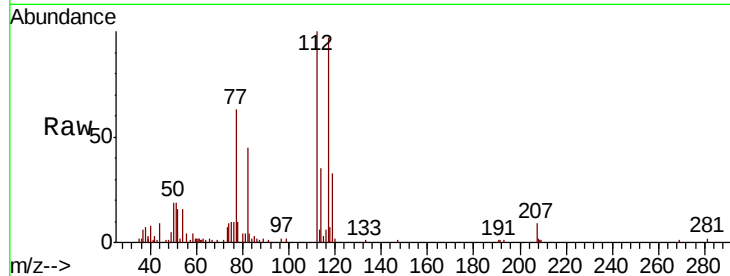




#65
Chlorobenzene
Concen: 0.944 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

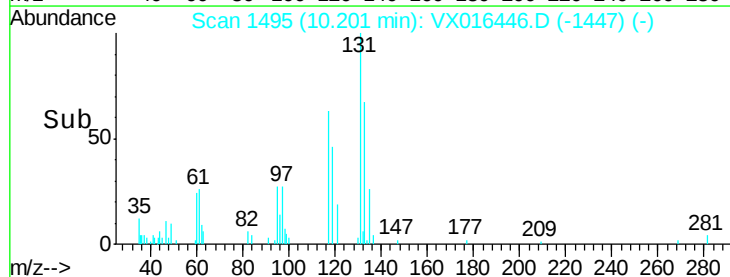
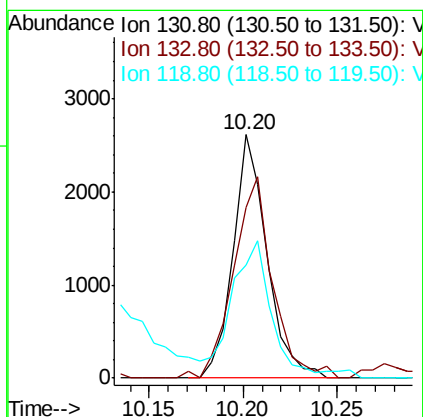
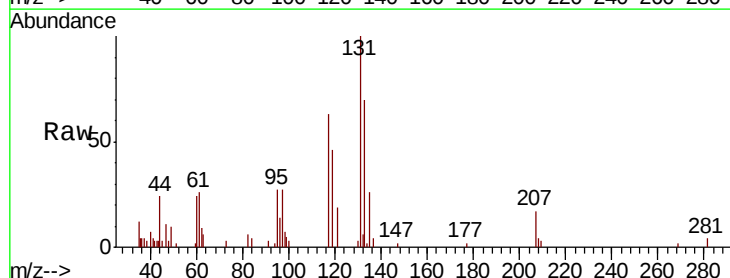
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

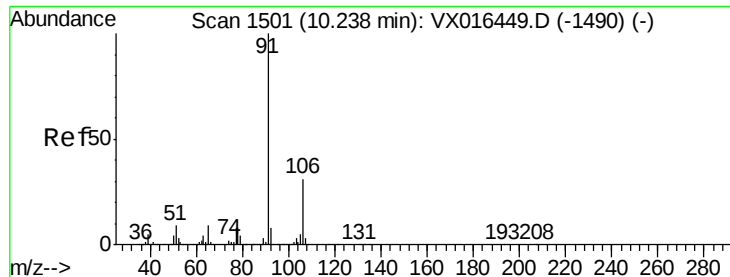
Tot Ion:112 Resp: 8657
Ion Ratio Lower Upper
112 100
114 35.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 0.959 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion:131 Resp: 3255
Ion Ratio Lower Upper
131 100
133 95.4 48.4 145.3
119 0.0 32.0 96.2#





#67

Ethyl Benzene

Concen: 0.912 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

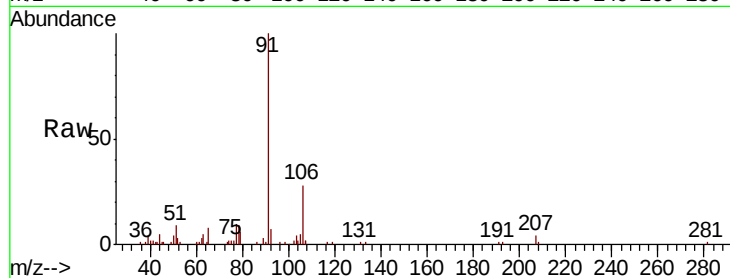
VSTDIC001

Tot Ion: 91 Resp: 14912

Ion Ratio Lower Upper

91 100

106 28.3 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX016446.D (-1452) (-)

Ion 106.00 (105.70 to 106.70): VX016446.D (-1452) (-)

10.24

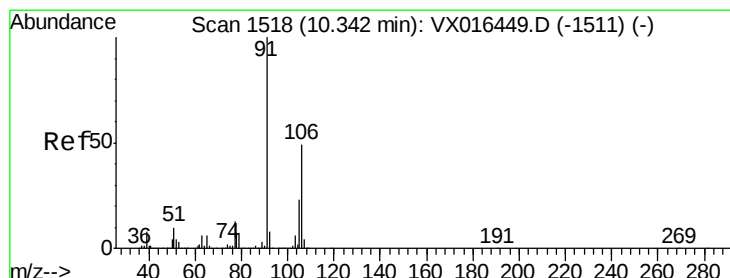
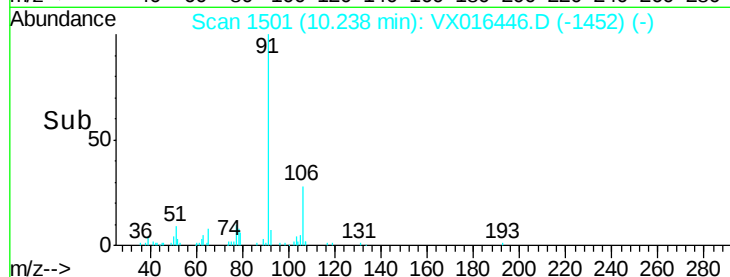
10000

5000

0

Time-->

10.15 10.20 10.25 10.30



#68

m/p-Xylenes

Concen: 1.710 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016446.D

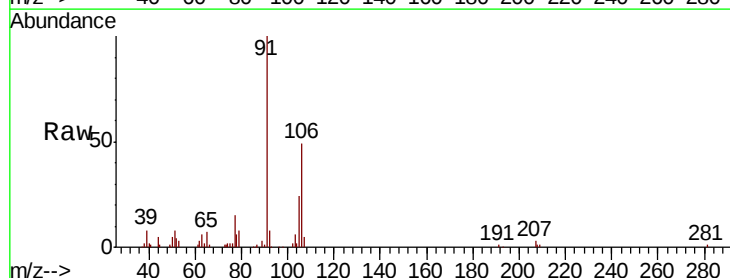
Acq: 27 May 2020 14:20

Tgt Ion: 106 Resp: 10455

Ion Ratio Lower Upper

106 100

91 205.9 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VX016446.D (-1469) (-)

Ion 91.00 (90.70 to 91.70): VX016446.D (-1469) (-)

10.34

15000

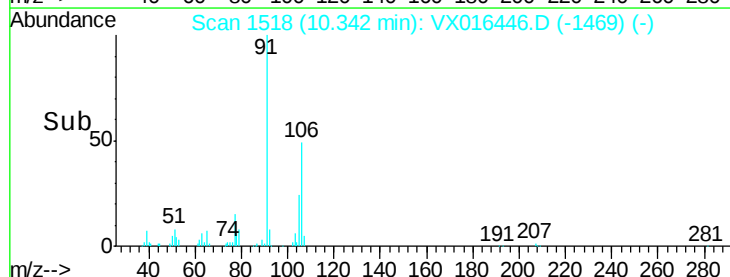
10000

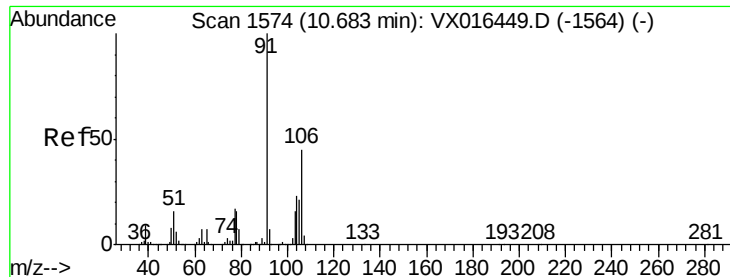
5000

0

Time-->

10.30 10.35 10.40

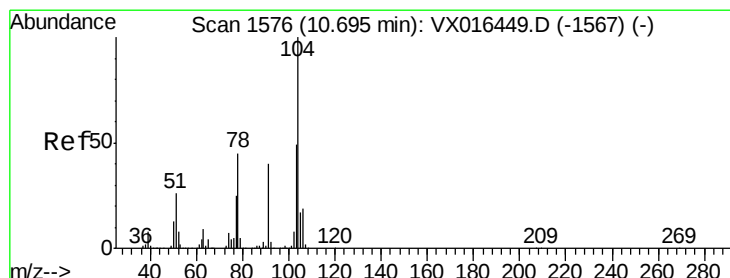
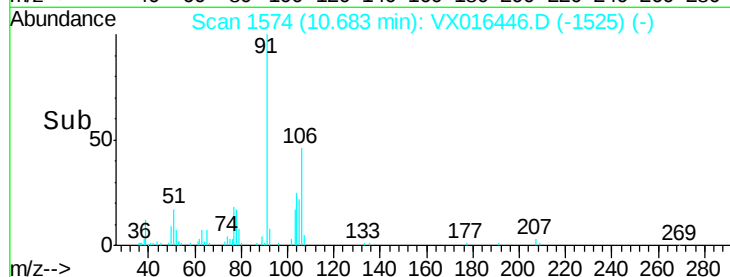
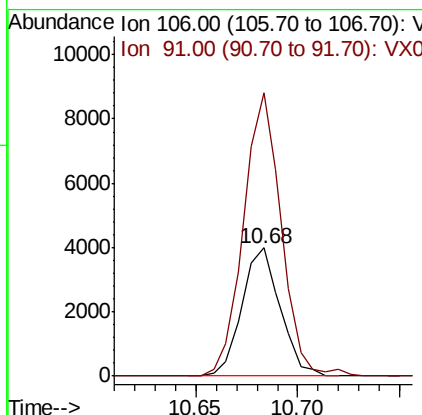
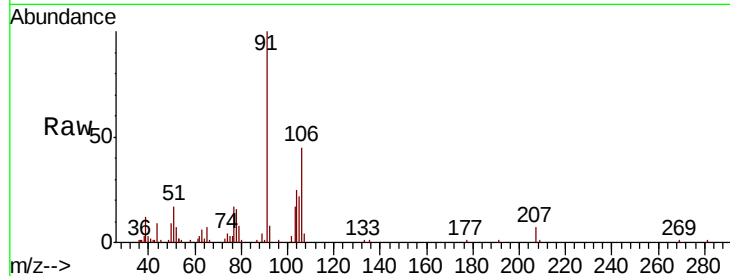




#69
o-Xylene
Concen: 0.881 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

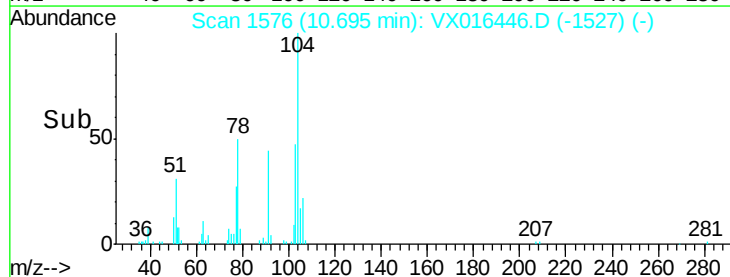
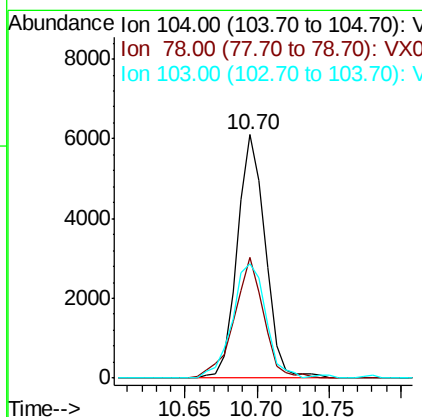
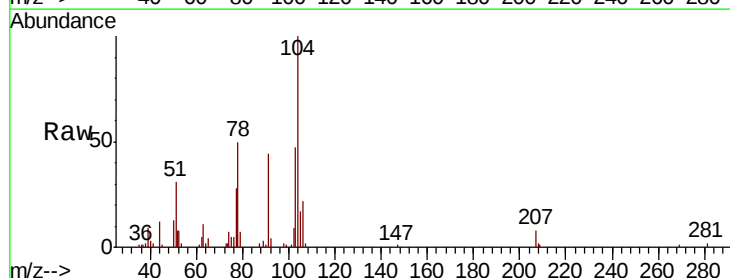
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

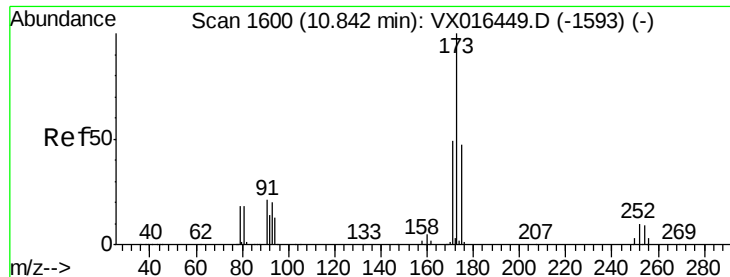
Tot Ion:106 Resp: 5173
Ion Ratio Lower Upper
106 100
91 218.8 109.6 328.8



#70
Styrene
Concen: 0.829 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion:104 Resp: 8297
Ion Ratio Lower Upper
104 100
78 52.2 40.2 60.2
103 56.3 43.1 64.7





#71

Bromoform

Concen: 0.879 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

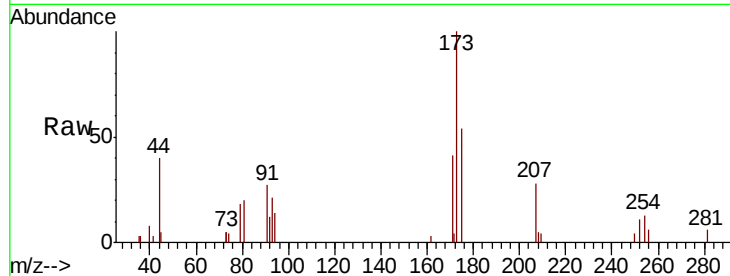
Tot Ion:173 Resp: 2452

Ion Ratio Lower Upper

173 100

175 51.3 23.9 71.7

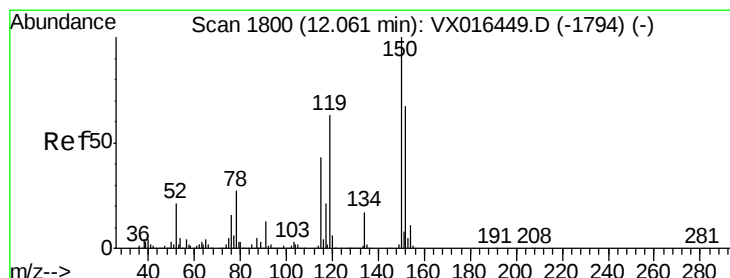
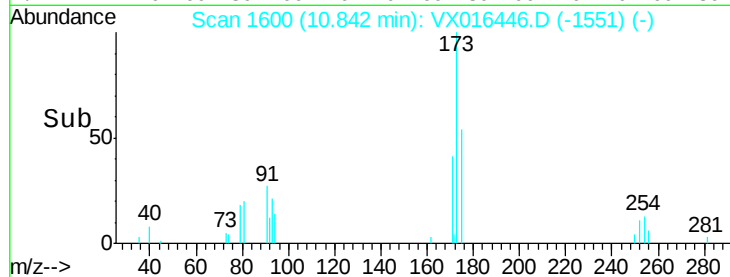
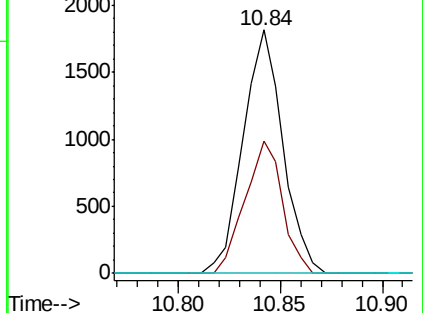
254 0.0 0.1 0.1#



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: VX016446.D

Acq: 27 May 2020 14:20

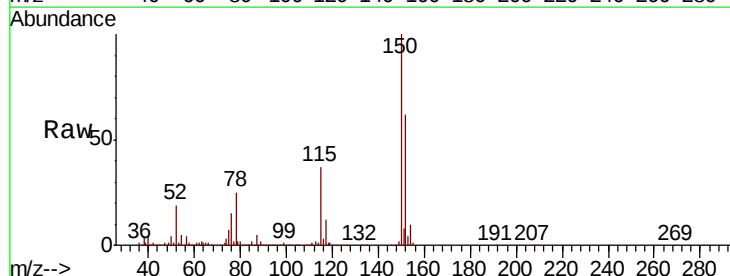
Tgt Ion:152 Resp: 202964

Ion Ratio Lower Upper

152 100

115 59.5 39.9 119.6

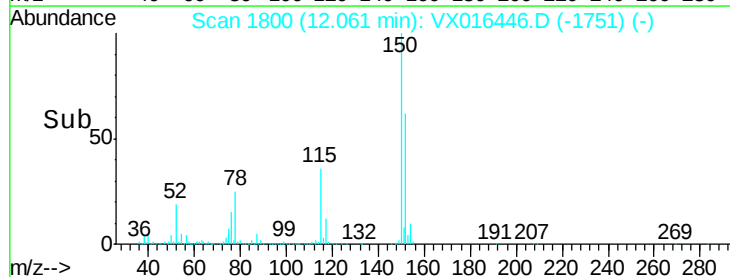
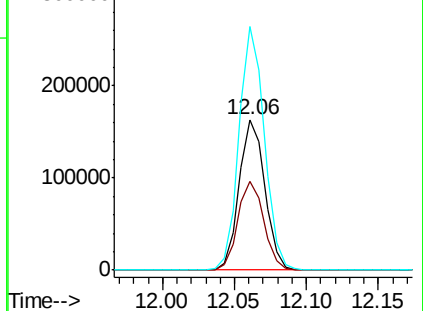
150 159.0 0.0 341.0

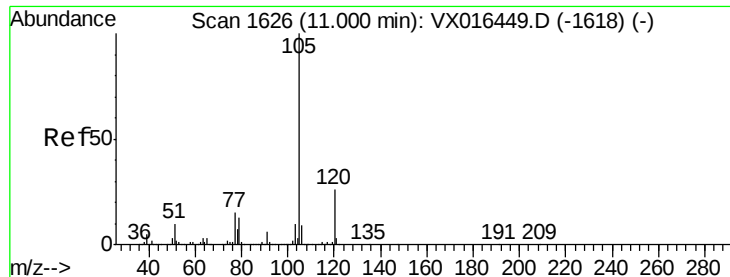


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.905 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampled :

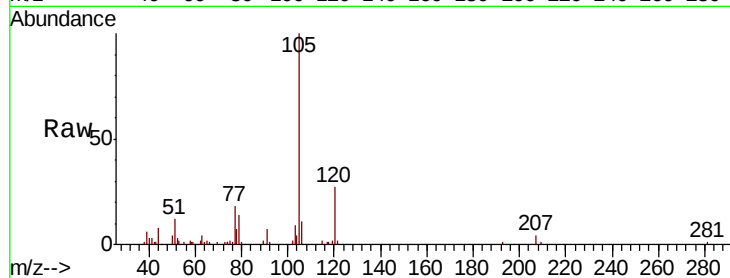
VSTDIC001

Tot Ion:105 Resp: 13316

Ion Ratio Lower Upper

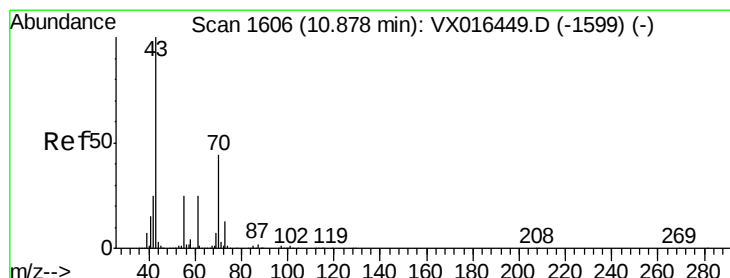
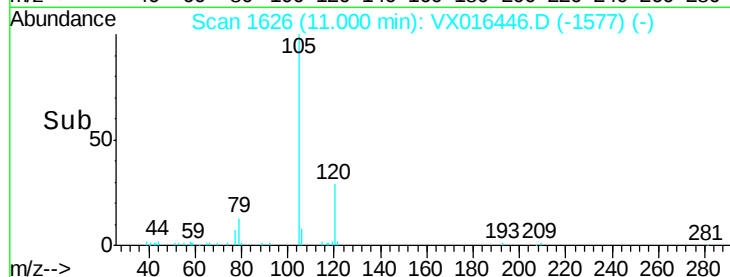
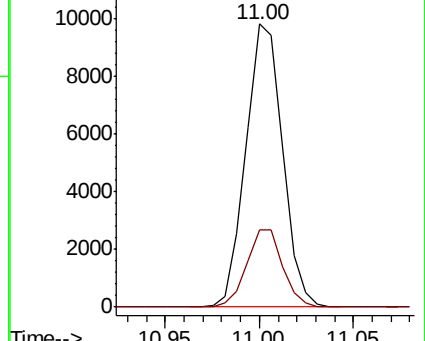
105 100

120 26.7 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: 0.857 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion: 43 Resp: 5884

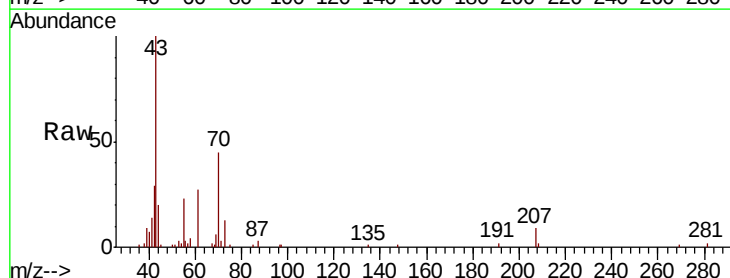
Ion Ratio Lower Upper

43 100

70 45.6 36.1 54.1

55 23.2 20.2 30.4

61 27.1 20.3 30.5

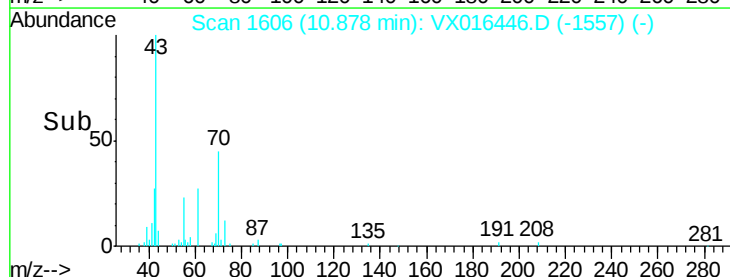
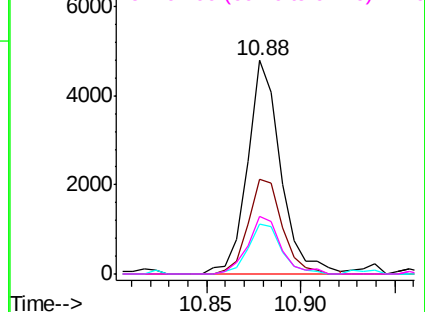


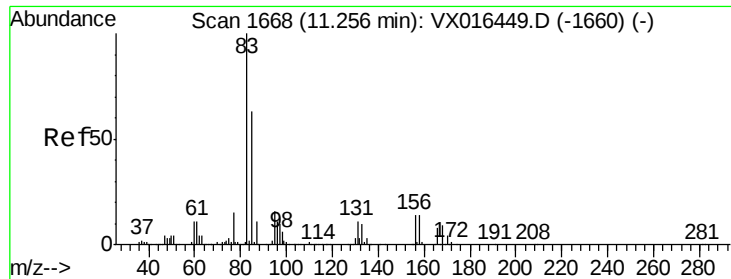
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 1.102 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

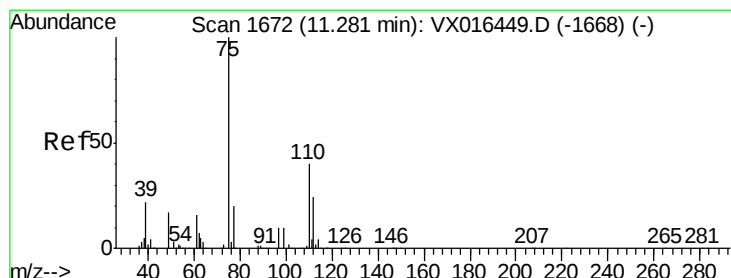
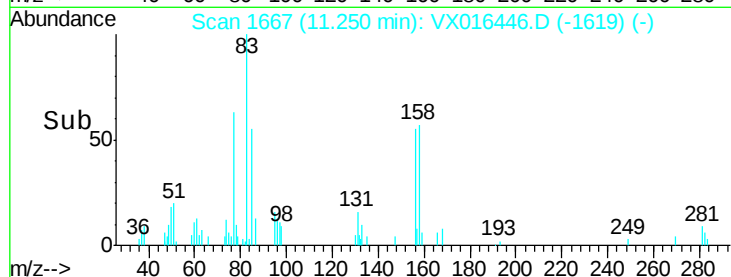
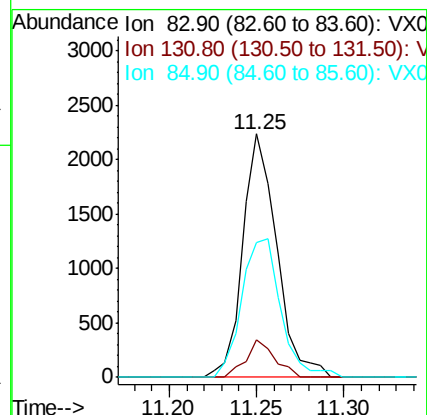
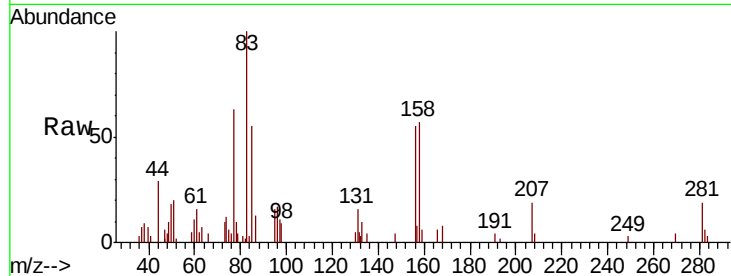
Tot Ion: 83 Resp: 3024

Ion Ratio Lower Upper

83 100

131 13.0 5.1 15.3

85 65.2 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 1.152 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016446.D

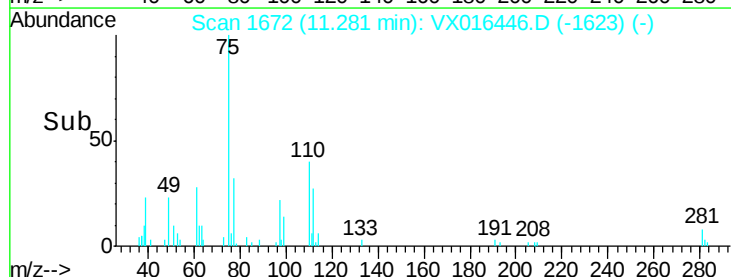
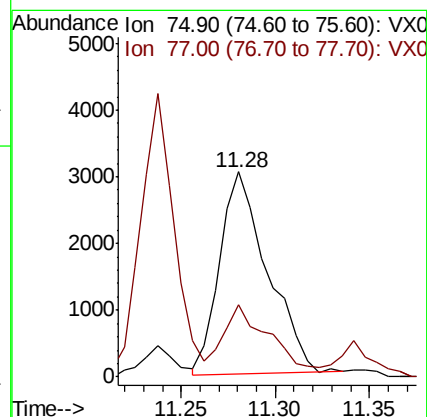
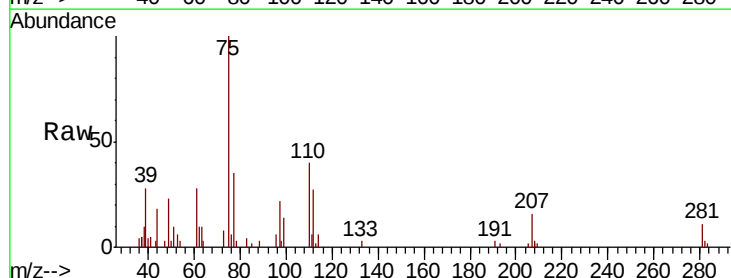
Acq: 27 May 2020 14:20

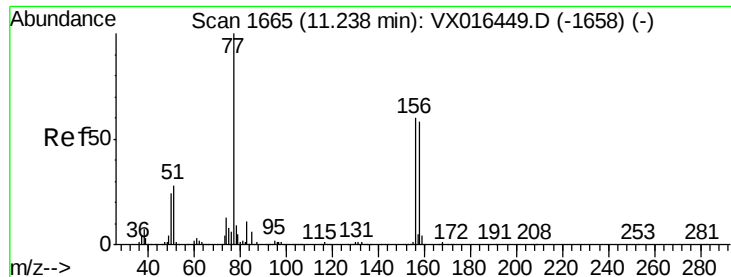
Tgt Ion: 75 Resp: 5300

Ion Ratio Lower Upper

75 100

77 36.2 21.3 63.7





#77

Bromobenzene

Concen: 0.999 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

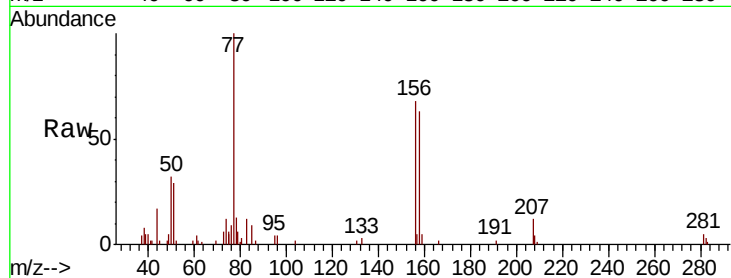
Tot Ion:156 Resp: 3811

Ion Ratio Lower Upper

156 100

77 139.4 79.6 238.8

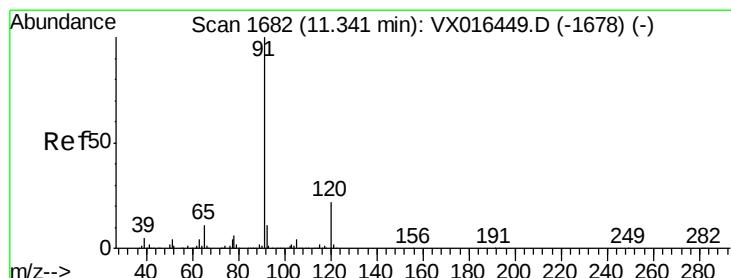
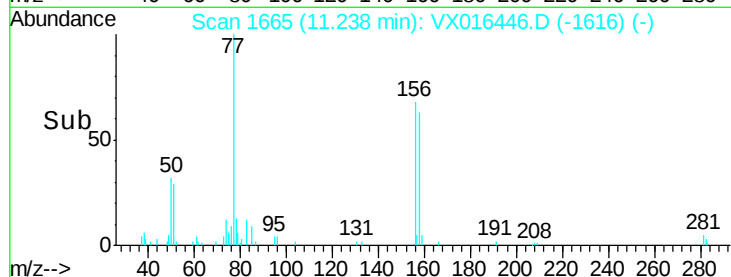
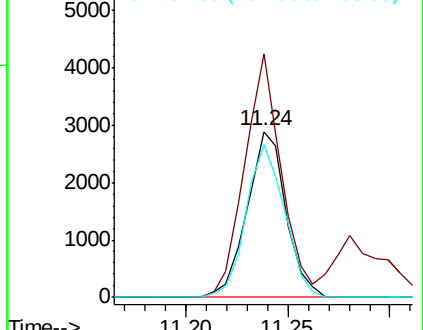
158 91.6 48.1 144.4



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: 0.841 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX016446.D

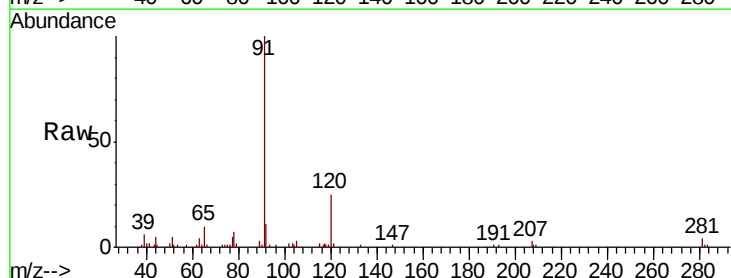
Acq: 27 May 2020 14:20

Tgt Ion: 91 Resp: 14372

Ion Ratio Lower Upper

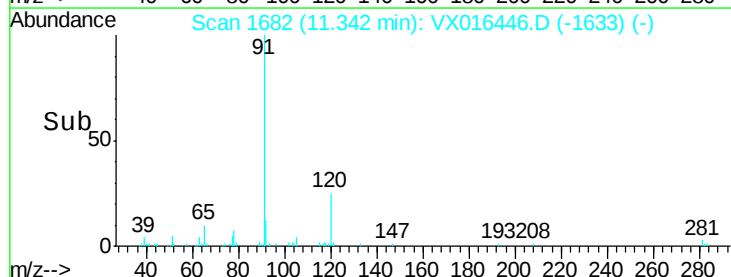
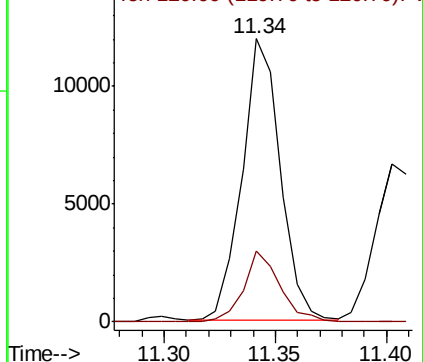
91 100

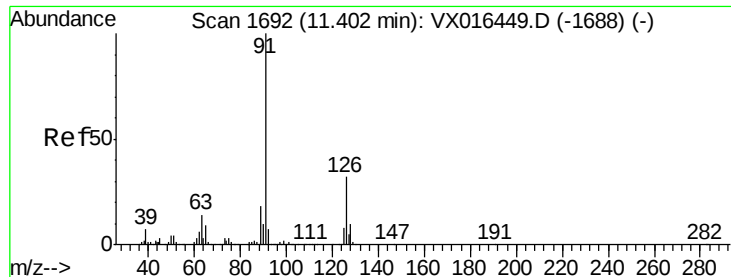
120 23.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.887 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

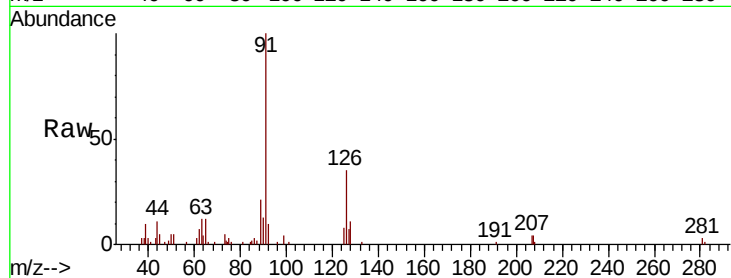
VSTDIC001

Tot Ion: 91 Resp: 8984

Ion Ratio Lower Upper

91 100

126 32.4 16.8 50.3

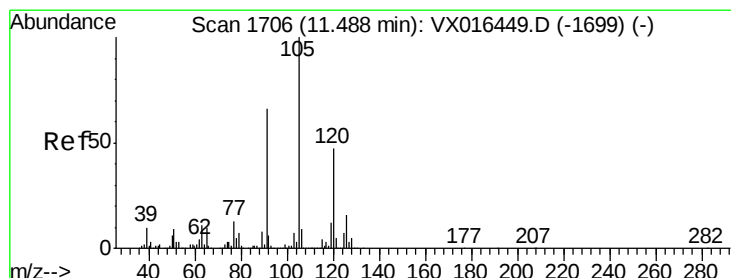
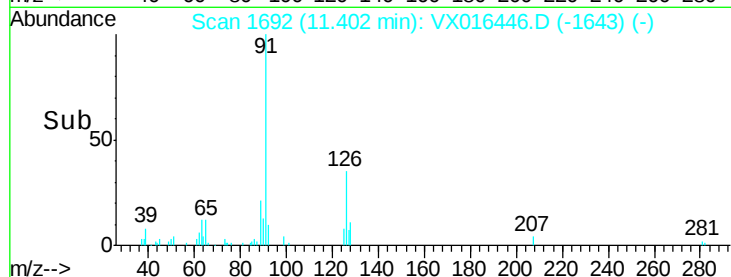


Abundance Ion 91.00 (90.70 to 91.70): VX016449.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX016449.D (-1688) (-)

Time-->

Mass spectrum showing relative abundance (0 to 12000) versus Time (11.35 to 11.45 min). Key peaks are labeled: 11.40.



#80

1,3,5-Trimethylbenzene

Concen: 0.842 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016446.D

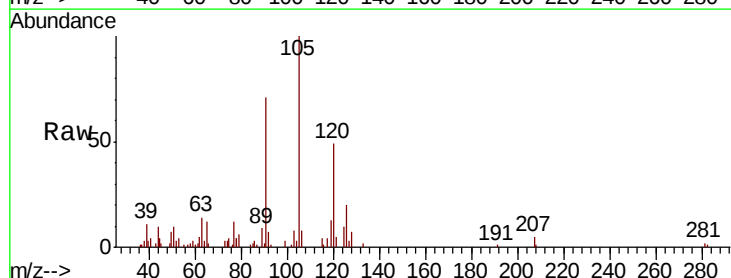
Acq: 27 May 2020 14:20

Tgt Ion: 105 Resp: 10472

Ion Ratio Lower Upper

105 100

120 49.9 24.3 72.8

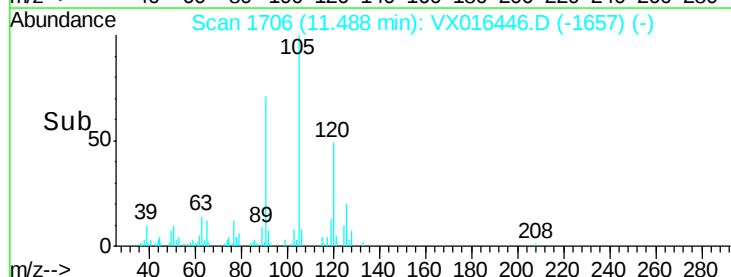


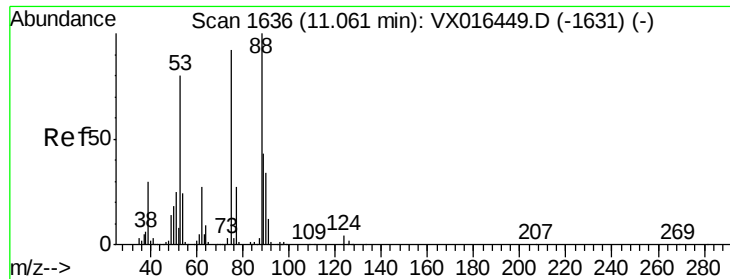
Abundance Ion 105.00 (104.70 to 105.70): VX016449.D (-1699) (-)

Ion 120.00 (119.70 to 120.70): VX016449.D (-1699) (-)

Time-->

Mass spectrum showing relative abundance (0 to 8000) versus Time (11.45 to 11.55 min). Key peaks are labeled: 11.49.





#81

trans-1,4-Dichloro-2-butene

Concen: 0.861 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

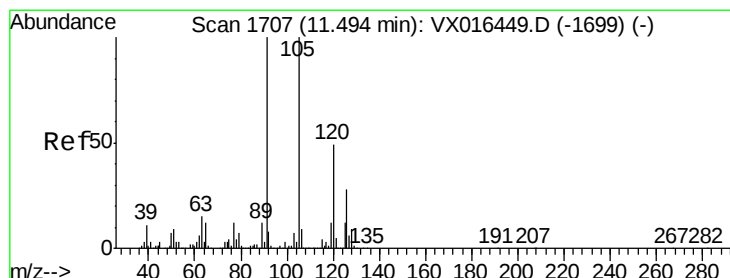
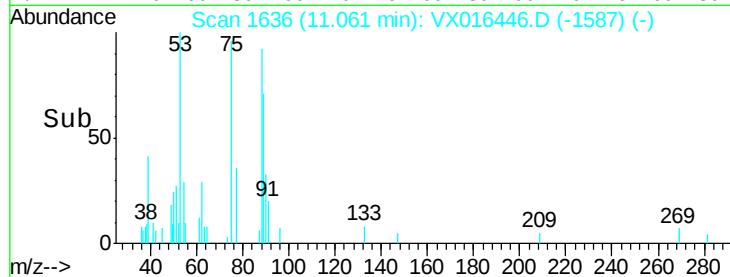
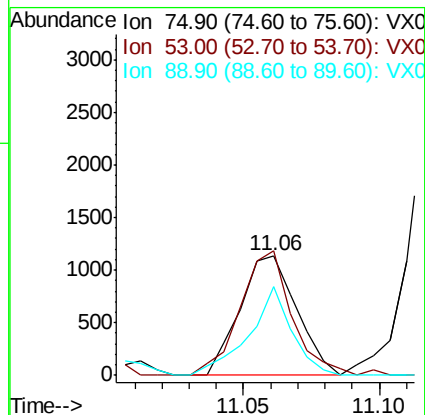
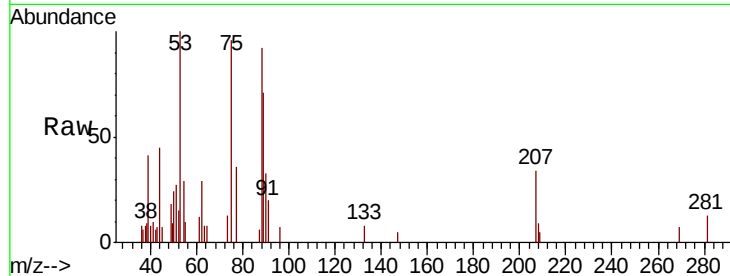
Tot Ion: 75 Resp: 1641

Ion Ratio Lower Upper

75 100

53 96.5 71.3 106.9

89 56.3 36.6 55.0#



#82

4-Chlorotoluene

Concen: 0.882 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016446.D

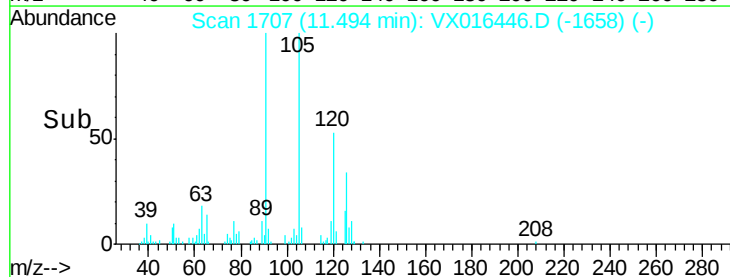
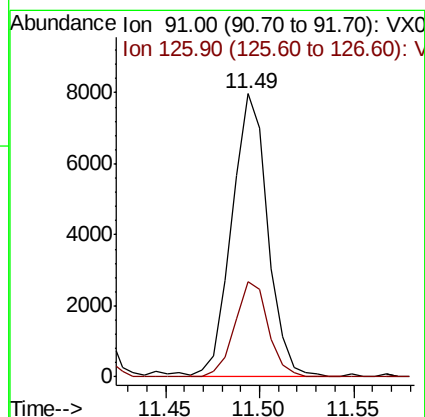
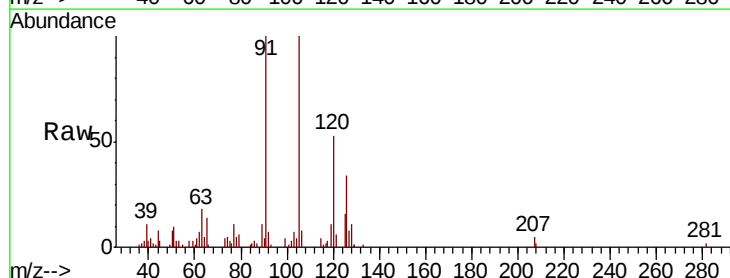
Acq: 27 May 2020 14:20

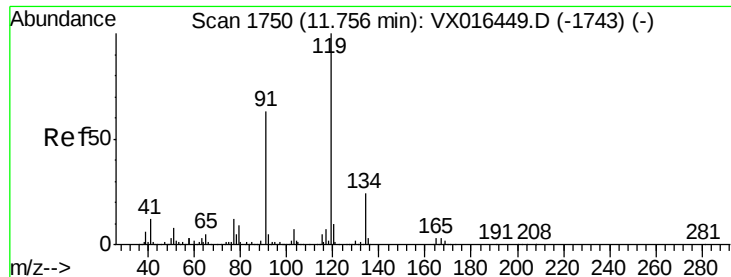
Tgt Ion: 91 Resp: 10543

Ion Ratio Lower Upper

91 100

126 31.4 14.7 44.1





#83

tert-Butylbenzene

Concen: 0.804 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

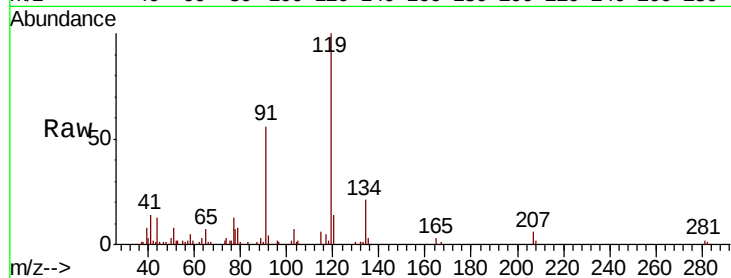
Tot Ion:119 Resp: 8628

Ion Ratio Lower Upper

119 100

91 61.2 31.3 93.8

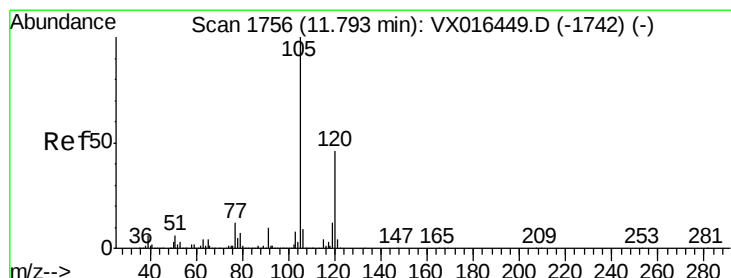
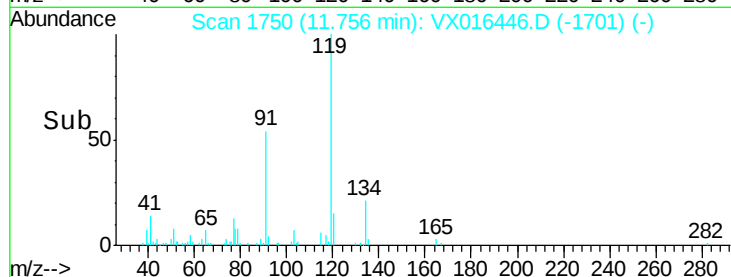
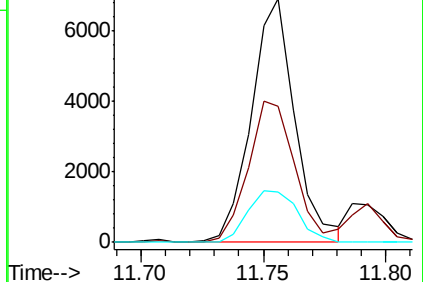
134 23.9 12.0 36.0



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: 0.856 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016446.D

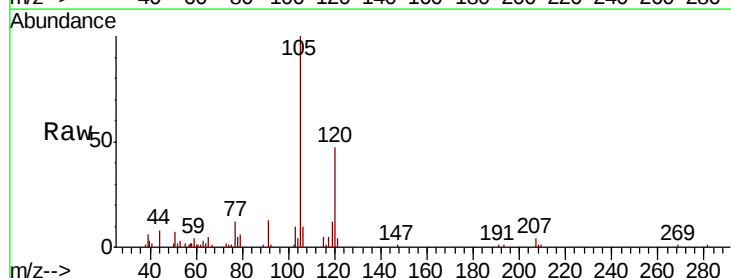
Acq: 27 May 2020 14:20

Tgt Ion:105 Resp: 10767

Ion Ratio Lower Upper

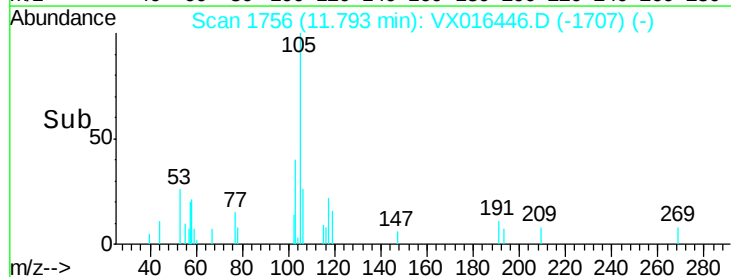
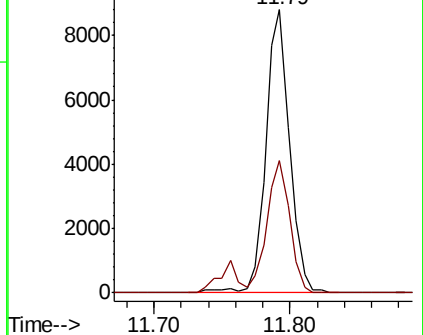
105 100

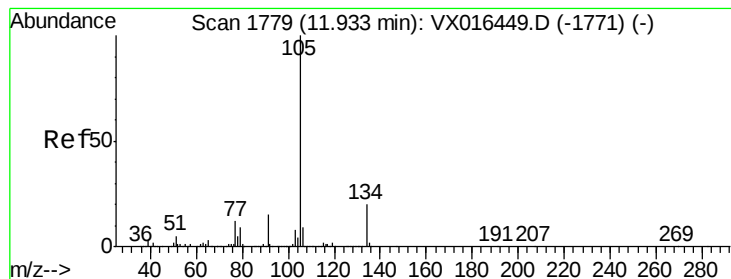
120 45.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.769 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

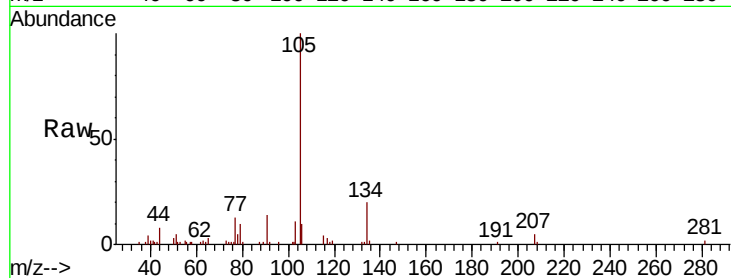
VSTDIC001

Tot Ion:105 Resp: 10983

Ion Ratio Lower Upper

105 100

134 21.6 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

8000

6000

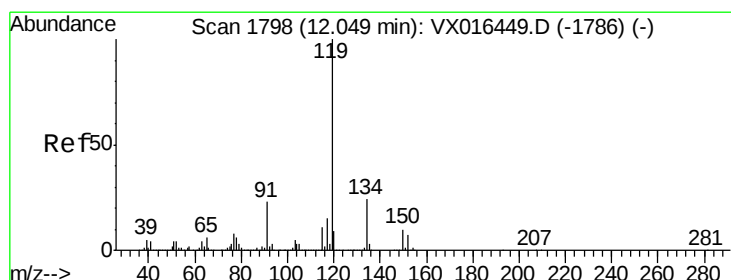
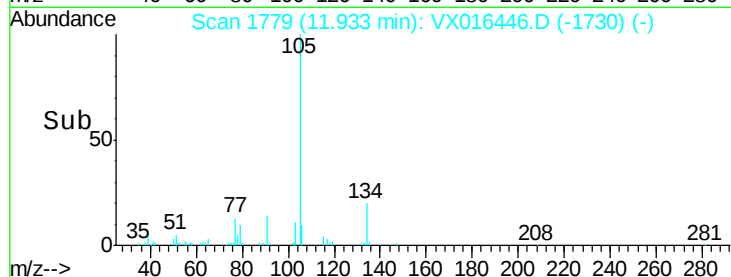
4000

2000

0

11.90 11.95

Time-->



#86

p-Isopropyltoluene

Concen: 0.797 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

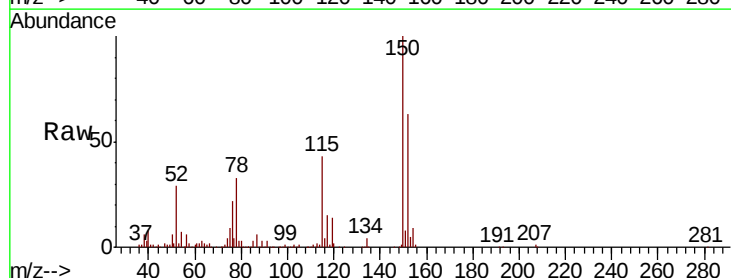
Tgt Ion:119 Resp: 10586

Ion Ratio Lower Upper

119 100

134 26.9 12.7 38.0

91 30.1 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

12.05

12000

10000

8000

6000

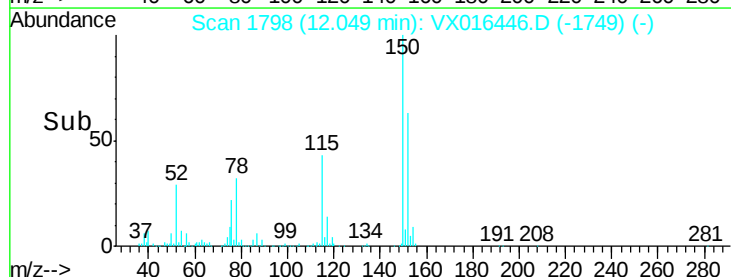
4000

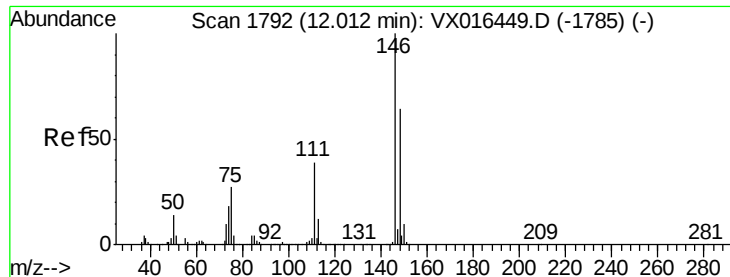
2000

0

12.00 12.05 12.10

Time-->

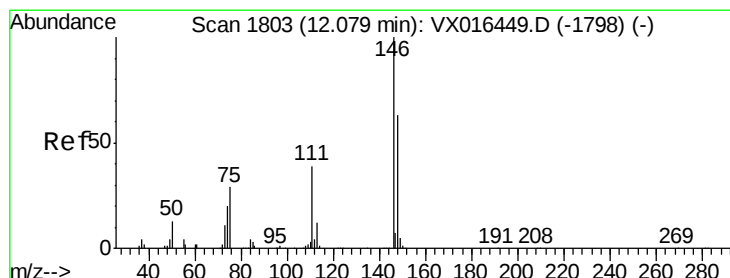
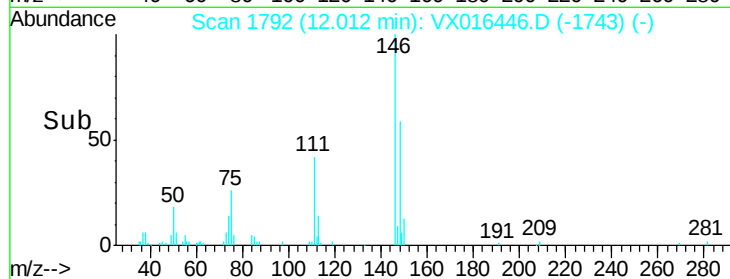
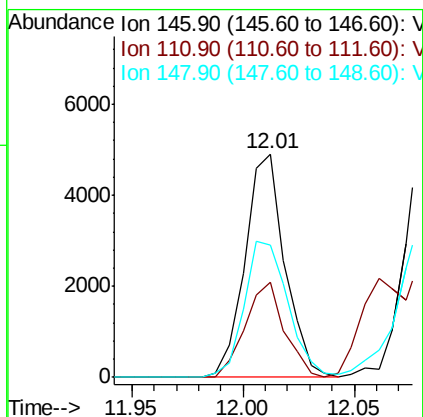
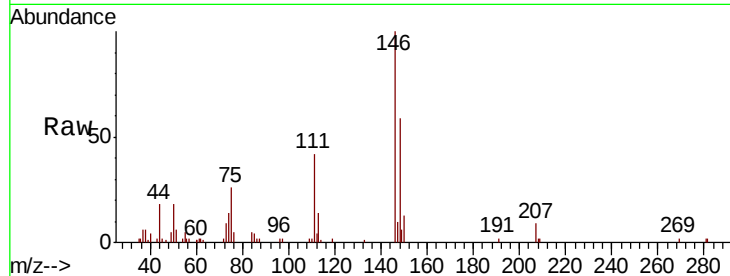




#87
 1,3-Dichlorobenzene
 Concen: 0.900 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

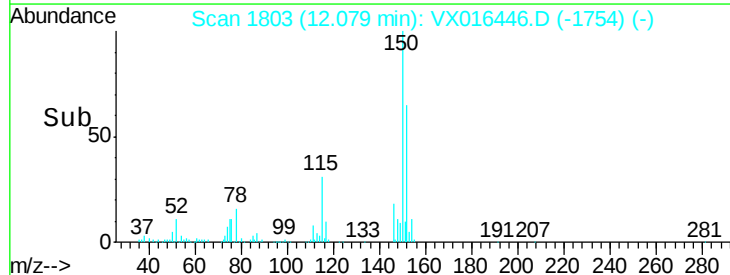
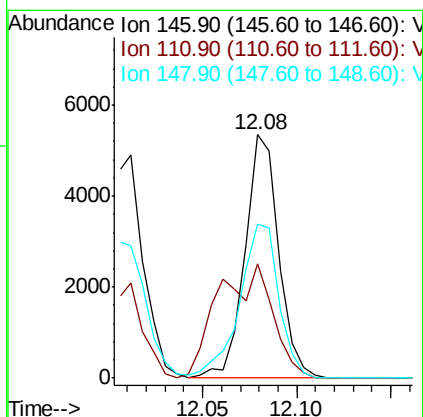
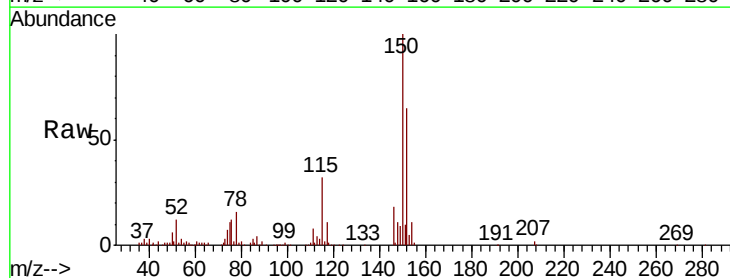
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

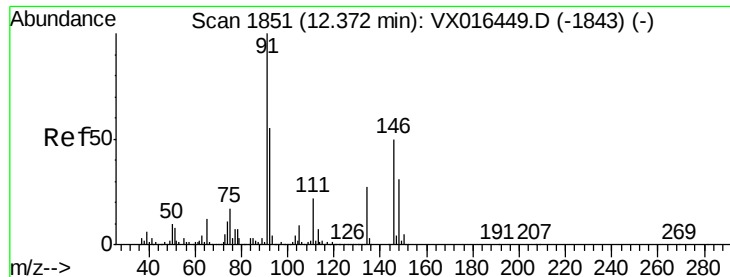
Tot Ion:146 Resp: 6143
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 60.0
 148 66.9 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 0.958 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion:146 Resp: 6641
 Ion Ratio Lower Upper
 146 100
 111 45.0 19.4 58.2
 148 74.3 31.4 94.3





#89

n-Butylbenzene

Concen: 0.701 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

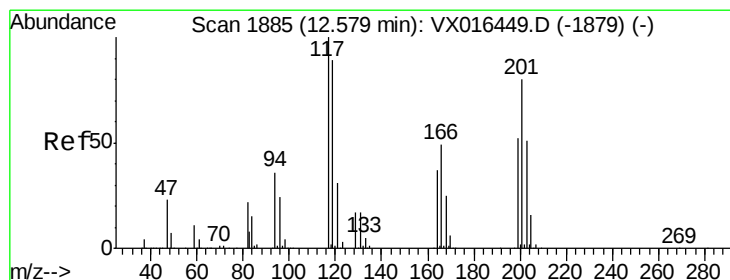
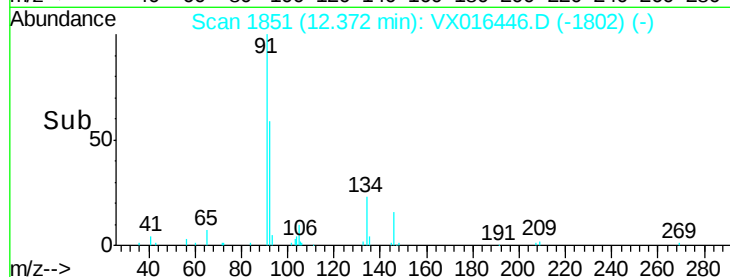
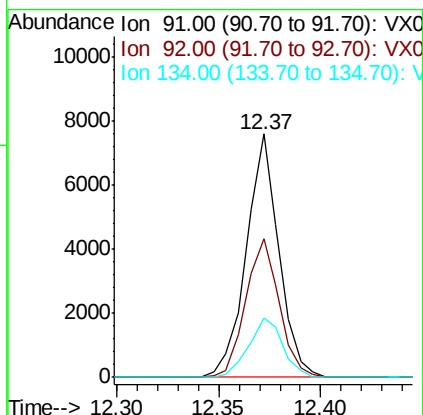
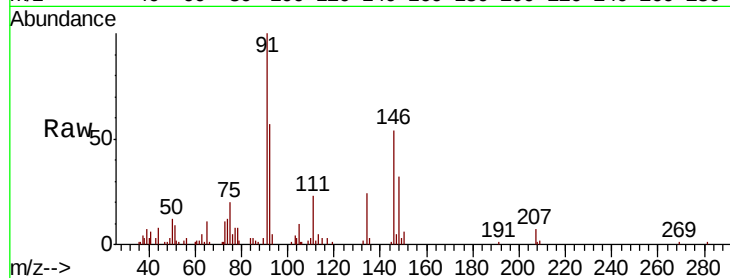
Tot Ion: 91 Resp: 8429

Ion Ratio Lower Upper

91 100

92 58.7 27.2 81.5

134 25.5 13.1 39.3



#90

Hexachloroethane

Concen: 0.730 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX016446.D

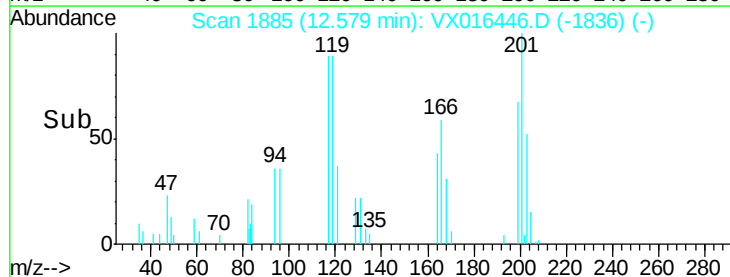
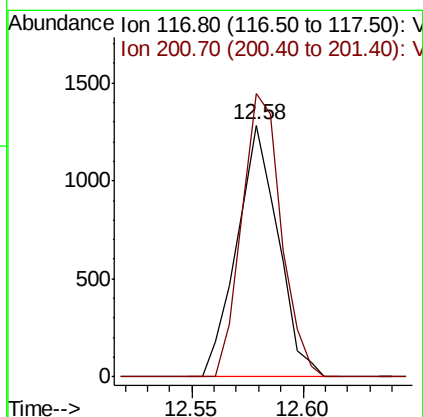
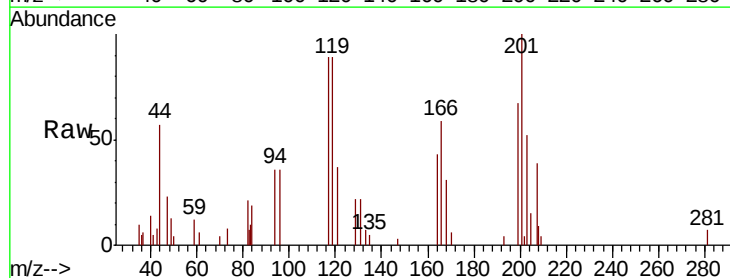
Acq: 27 May 2020 14:20

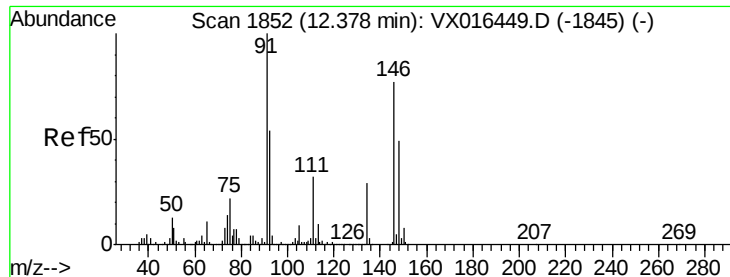
Tgt Ion: 117 Resp: 1660

Ion Ratio Lower Upper

117 100

201 107.9 43.1 129.3





#91

1,2-Dichlorobenzene

Concen: 0.883 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

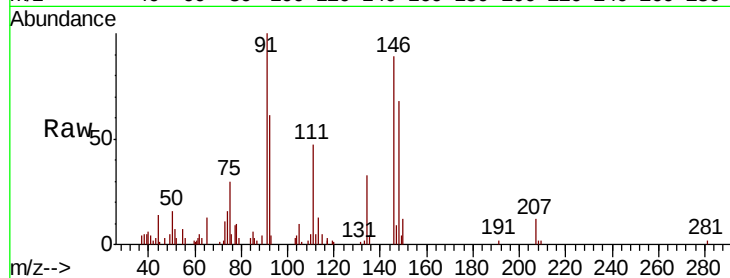
Tot Ion:146 Resp: 5801

Ion Ratio Lower Upper

146 100

111 45.8 21.4 64.3

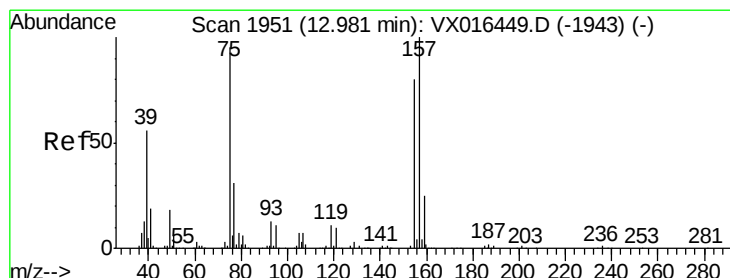
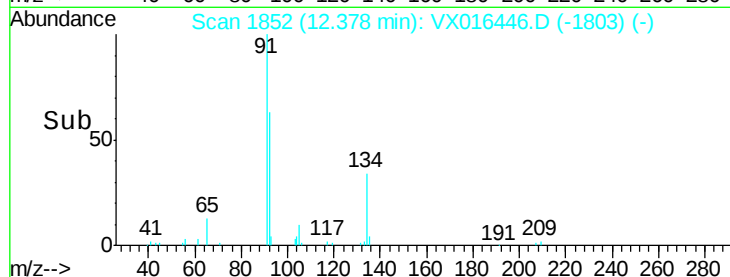
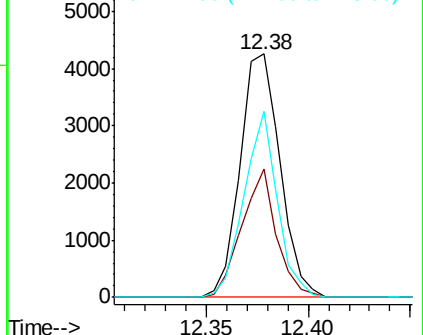
148 63.9 31.9 95.7



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: 0.857 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

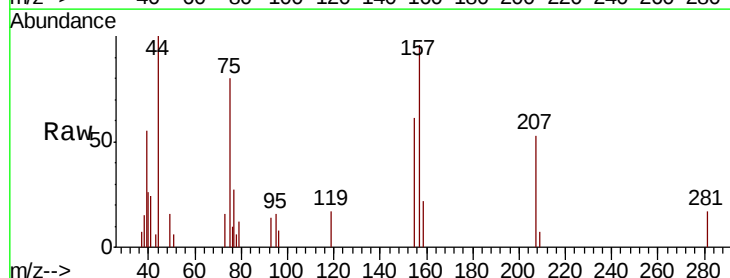
Tgt Ion: 75 Resp: 1039

Ion Ratio Lower Upper

75 100

155 90.6 44.1 132.4

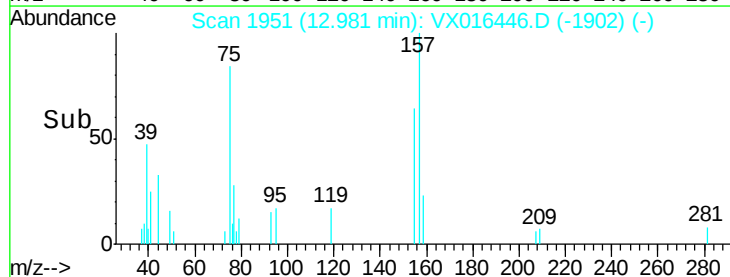
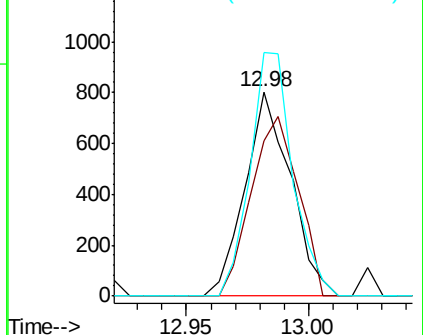
157 112.1 57.8 173.3

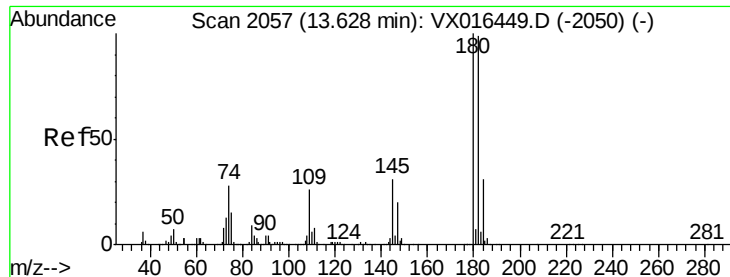


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 0.786 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

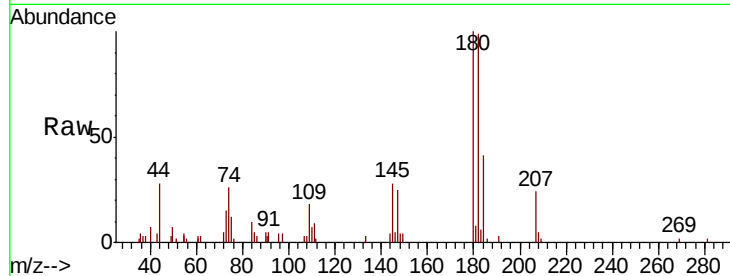
Tot Ion:180 Resp: 3787

Ion Ratio Lower Upper

180 100

182 101.3 48.3 144.8

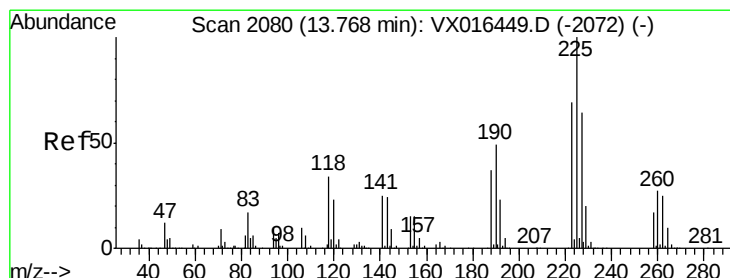
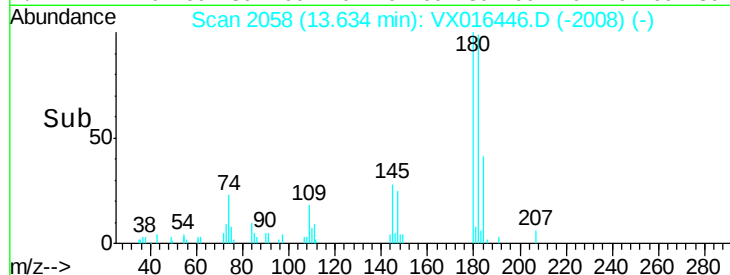
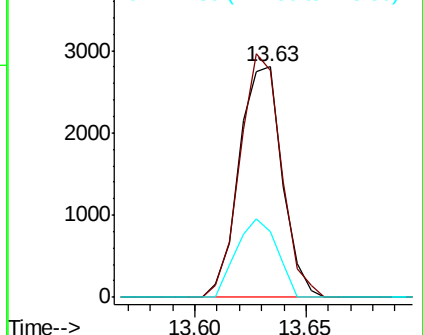
145 31.9 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.706 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

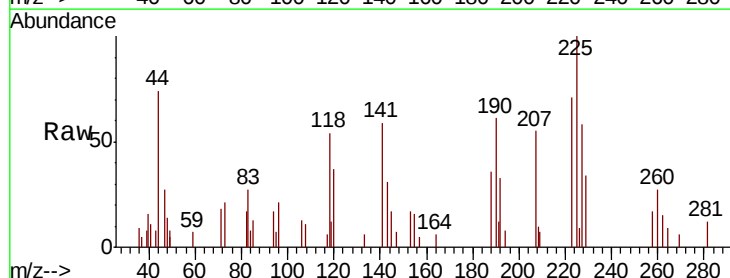
Tgt Ion:225 Resp: 1533

Ion Ratio Lower Upper

225 100

223 62.6 32.3 96.8

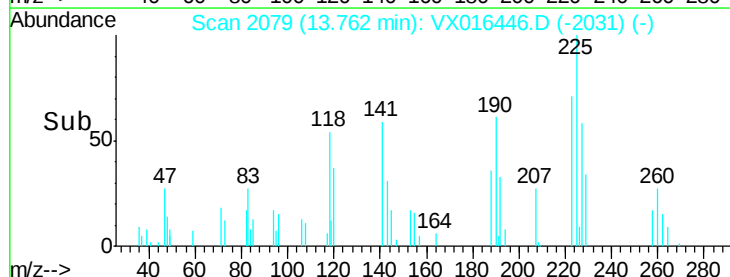
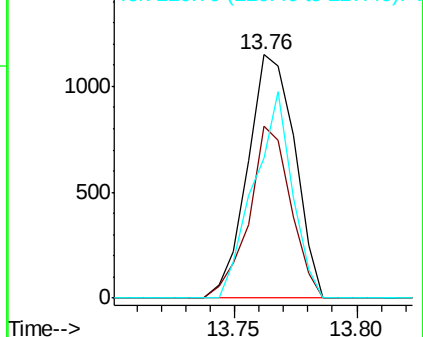
227 69.3 31.6 94.7

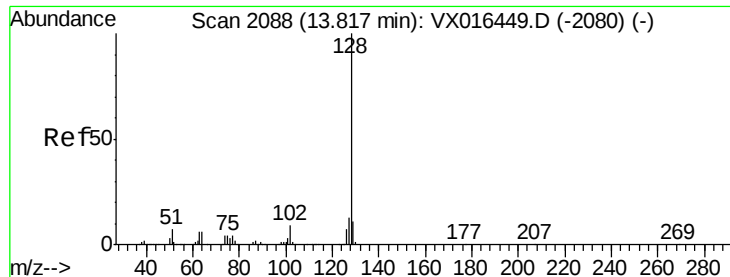


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.802 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

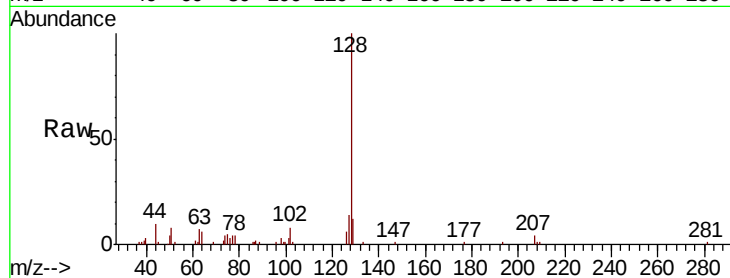
Tot Ion:128 Resp: 12563

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

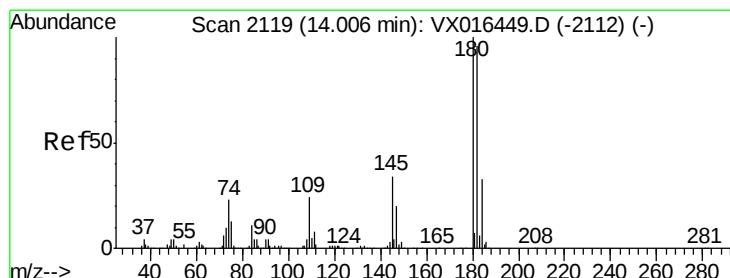
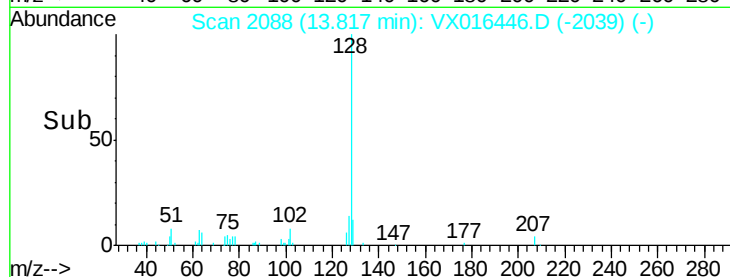
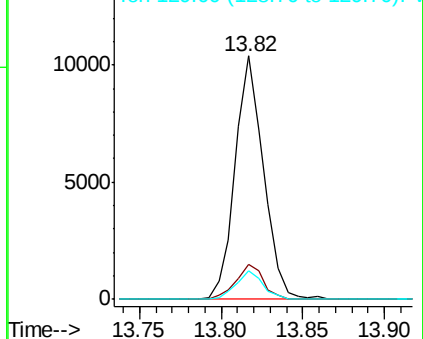
129 11.1 8.6 13.0



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: 0.822 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

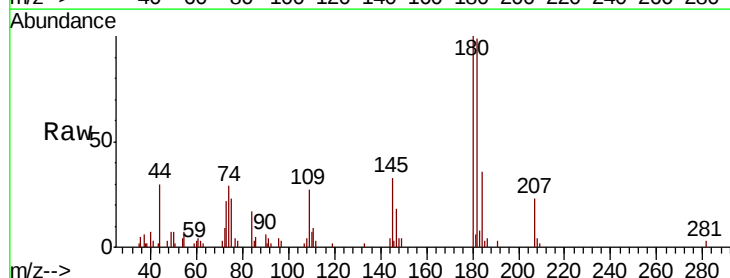
Tgt Ion:180 Resp: 3844

Ion Ratio Lower Upper

180 100

182 99.4 48.6 145.8

145 30.9 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

