

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051520\
 Data File : VX016292.D
 Acq On : 15 May 2020 19:36
 Operator : JC/SP
 Sample : L2649-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685MS

Quant Time: May 16 06:47:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	240999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	405989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	383405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	182682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	147455	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	5.47	113	120663	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
50) Toluene-d8	8.70	98	462001	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
62) 4-Bromofluorobenzene	11.12	95	179599	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	121204	47.514	ug/l	99
3) Chloromethane	1.31	50	133277	44.989	ug/l	99
4) Vinyl Chloride	1.39	62	273090	86.404	ug/l	100
5) Bromomethane	1.62	94	42671	26.779	ug/l	98
6) Chloroethane	1.70	64	90822	47.227	ug/l	100
7) Trichlorofluoromethane	1.91	101	191666	46.191	ug/l	100
8) Diethyl Ether	2.17	74	81424	46.572	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	103033	43.039	ug/l	99
10) Methyl Iodide	2.49	142	77407	24.072	ug/l	99
11) Tert butyl alcohol	3.03	59	218509	272.475	ug/l	100
12) 1,1-Dichloroethene	2.35	96	115431	46.076	ug/l	97
13) Acrolein	2.27	56	175257	349.238	ug/l	100
14) Allyl chloride	2.70	41	204212	44.457	ug/l	93
15) Acrylonitrile	3.12	53	424797	255.344	ug/l	99
16) Acetone	2.42	43	355919	251.532	ug/l	94
17) Carbon Disulfide	2.55	76	328822	43.681	ug/l	100
18) Methyl Acetate	2.75	43	172960	49.713	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	436525	50.546	ug/l	99
20) Methylene Chloride	2.83	84	135582	46.480	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	134040	48.013	ug/l	98
22) Diisopropyl ether	3.82	45	416334	48.044	ug/l	98
23) Vinyl Acetate	3.79	43	1737567	227.907	ug/l	99
24) 1,1-Dichloroethane	3.67	63	237227	48.937	ug/l	99
25) 2-Butanone	4.64	43	594714	260.823	ug/l	100
26) 2,2-Dichloropropane	4.55	77	170558	38.526	ug/l	95
27) cis-1,2-Dichloroethene	4.57	96	209456	68.628	ug/l	92
28) Bromochloromethane	4.98	49	104644	47.341	ug/l	97
29) Tetrahydrofuran	5.09	42	384033	254.187	ug/l	96
30) Chloroform	5.18	83	241493	50.034	ug/l	100
31) Cyclohexane	5.55	56	184075	41.782	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	213681	48.705	ug/l	98
36) 1,1-Dichloropropene	5.77	75	177346	44.376	ug/l	100
37) Ethyl Acetate	4.80	43	203908	44.022	ug/l	98
38) Carbon Tetrachloride	5.76	117	184920	45.524	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	154405	32.083	ug/l	99
40) Benzene	6.12	78	548914	46.943	ug/l	98
41) Methacrylonitrile	5.01	41	117769	47.080	ug/l	97
42) 1,2-Dichloroethane	6.17	62	191201	45.391	ug/l	99
43) Isopropyl Acetate	6.42	43	332678	45.015	ug/l	98
44) Trichloroethene	7.19	130	163585	39.378	ug/l	98
45) 1,2-Dichloropropane	7.49	63	141467	47.813	ug/l	100
46) Dibromomethane	7.64	93	94751	47.123	ug/l	99
47) Bromodichloromethane	7.88	83	198464	48.464	ug/l	99
48) Methyl methacrylate	7.75	41	164105	46.861	ug/l	95
49) 1,4-Dioxane	7.71	88	90554	1078.180	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1122892	248.290	ug/l	97
52) Toluene	8.77	92	347094	47.622	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	222305	45.530	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	233329	45.751	ug/l	94
55) 1,1,2-Trichloroethane	9.20	97	141787	49.445	ug/l	97
56) Ethyl methacrylate	9.16	69	233953	49.981	ug/l	94
57) 1,3-Dichloropropane	9.35	76	243964	48.757	ug/l	100
59) 2-Hexanone	9.48	43	882168	248.384	ug/l	96
60) Dibromochloromethane	9.57	129	158280	50.117	ug/l	98
61) 1,2-Dibromoethane	9.65	107	151048	48.629	ug/l	99
64) Tetrachloroethene	9.32	164	157951	33.558	ug/l	99
65) Chlorobenzene	10.12	112	366523	45.655	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	141373	47.644	ug/l	99
67) Ethyl Benzene	10.24	91	646302	45.120	ug/l	99
68) m/p-Xylenes	10.34	106	486125	90.582	ug/l	99
69) o-Xylene	10.68	106	237130	45.967	ug/l	100
70) Styrene	10.70	104	422126	48.233	ug/l	100
71) Bromoform	10.84	173	122937	50.853	ug/l #	100
73) Isopropylbenzene	11.01	105	600563	45.198	ug/l	99
74) N-amyl acetate	10.88	43	284619	45.923	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	198182	72.013	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	276862	66.786	ug/l	84
77) Bromobenzene	11.24	156	161109	46.975	ug/l	98
78) n-propylbenzene	11.35	91	675156	43.678	ug/l	100
79) 2-Chlorotoluene	11.41	91	421354	46.180	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	495475	44.165	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	79735	45.837	ug/l	95
82) 4-Chlorotoluene	11.49	91	500150	46.419	ug/l	100
83) tert-Butylbenzene	11.76	119	433074	44.793	ug/l	94
84) 1,2,4-Trimethylbenzene	11.79	105	504332	44.465	ug/l	99
85) sec-Butylbenzene	11.93	105	494959	37.916	ug/l	99
86) p-Isopropyltoluene	12.05	119	465588	38.415	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	274045	44.502	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	279730	44.755	ug/l	99
89) n-Butylbenzene	12.37	91	374728	33.844	ug/l	100
90) Hexachloroethane	12.58	117	82340	39.558	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	272078	45.885	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	56469	51.685	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	163826	37.318	ug/l	98

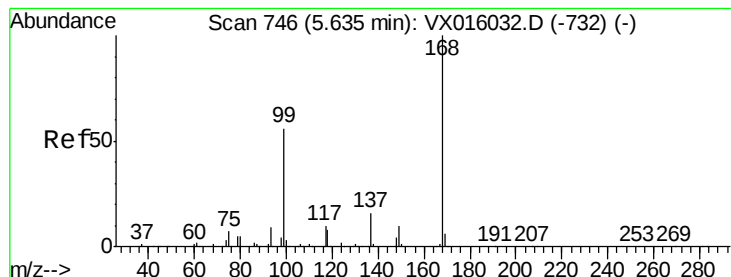
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QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	47554	25.416	ug/l	98
95) Naphthalene	13.82	128	649237	45.673	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	161477	37.636	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

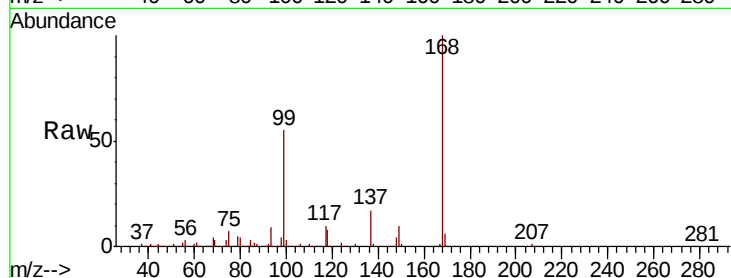
S32-0685MS

Tot Ion:168 Resp: 240999

Ion Ratio Lower Upper

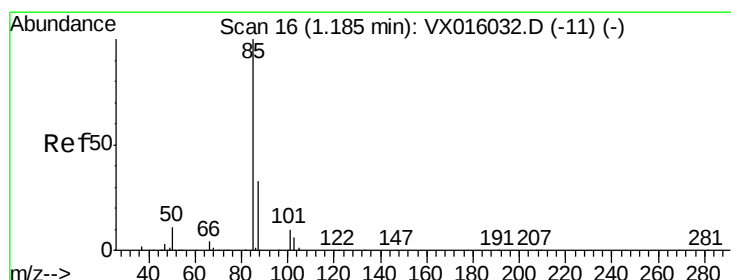
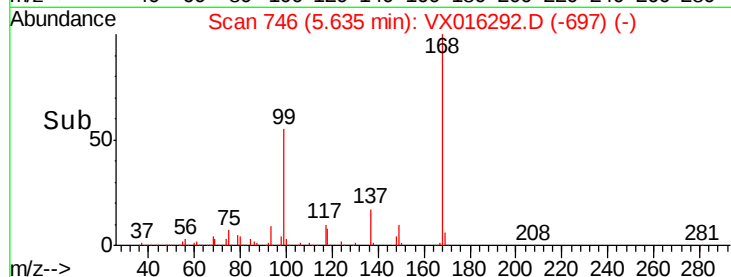
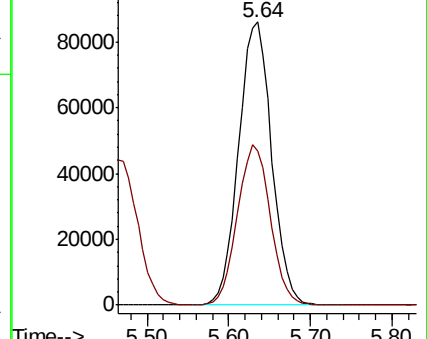
168 100

99 54.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.514 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016292.D

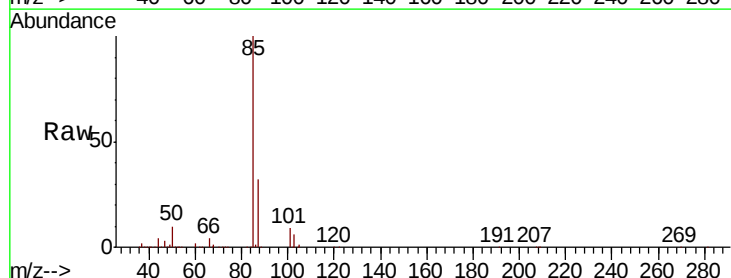
Acq: 15 May 2020 19:36

Tgt Ion: 85 Resp: 121204

Ion Ratio Lower Upper

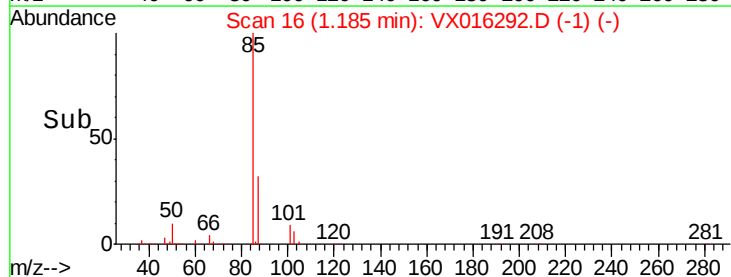
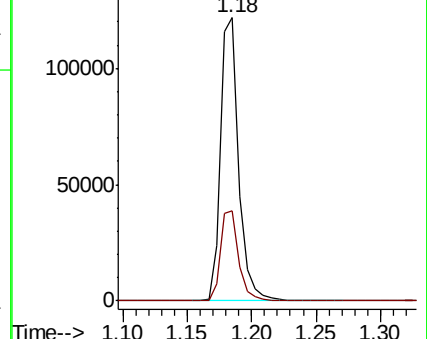
85 100

87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 44.989 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampled :

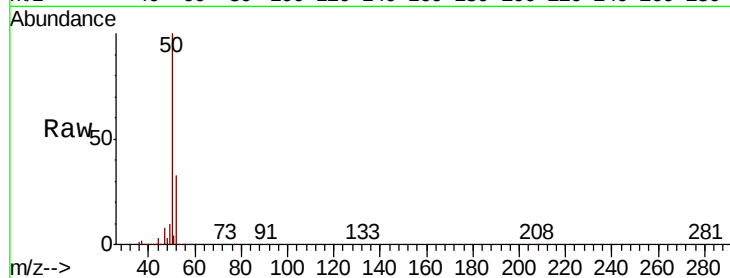
S32-0685MS

Tot Ion: 50 Resp: 133277

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

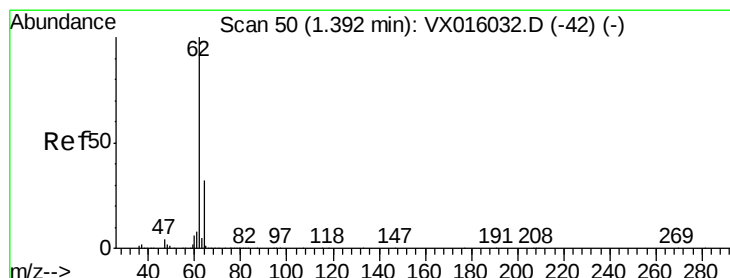
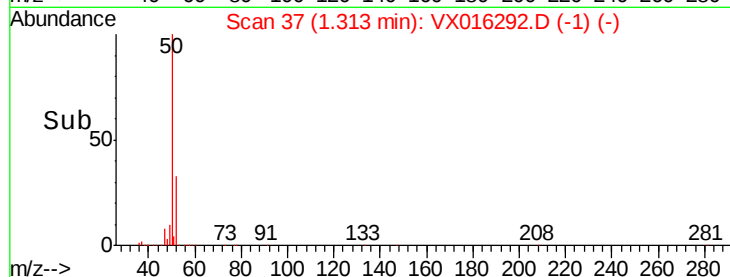
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 86.404 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016292.D

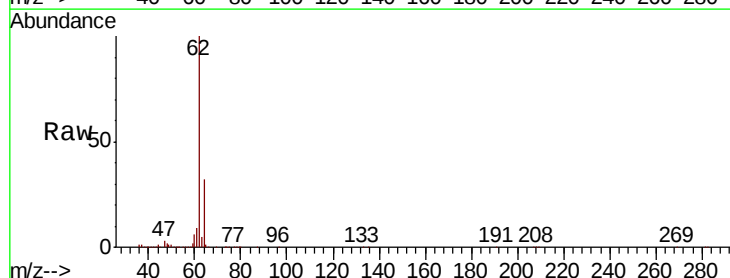
Acq: 15 May 2020 19:36

Tgt Ion: 62 Resp: 273090

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

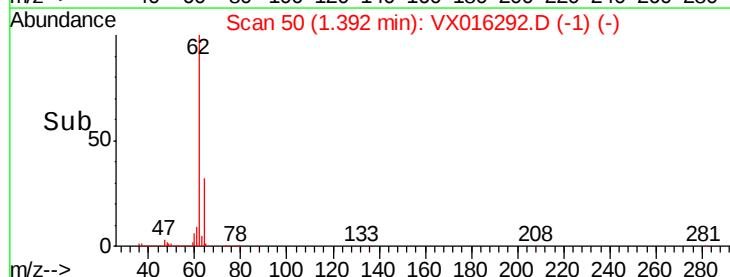
300000

200000

100000

0

Time-->





#5

Bromomethane

Concen: 26.779 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

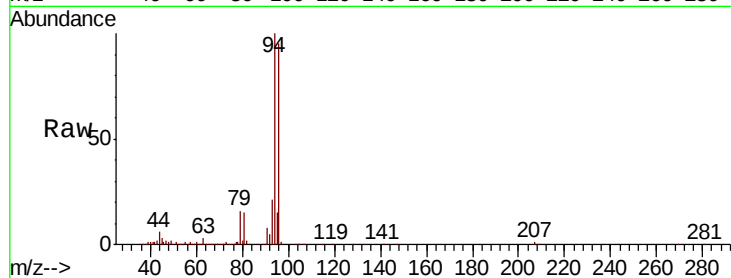
S32-0685MS

Tot Ion: 94 Resp: 42671

Ion Ratio Lower Upper

94 100

96 94.6 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

40000

30000

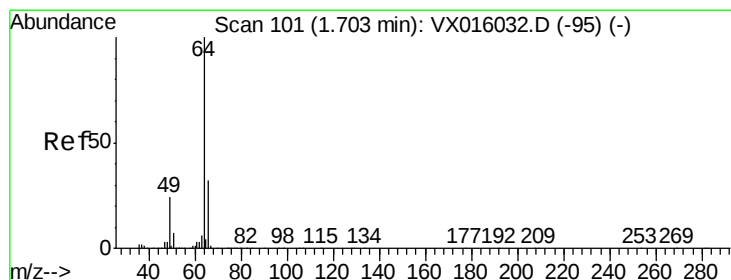
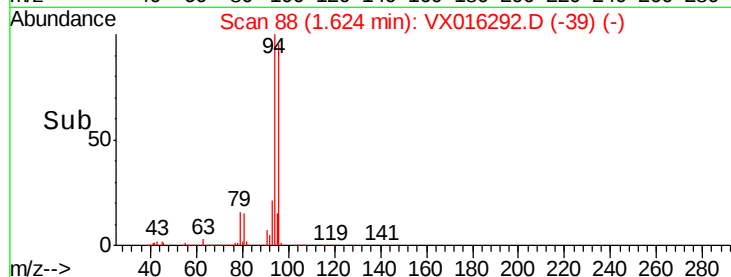
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 47.227 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016292.D

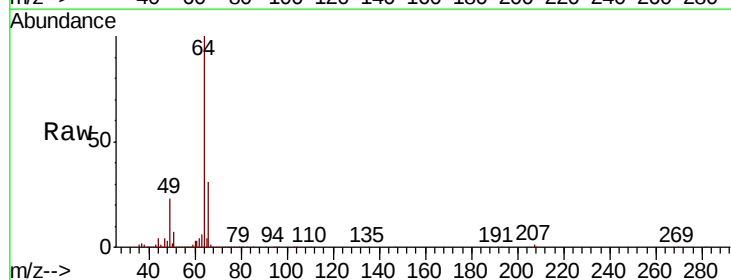
Acq: 15 May 2020 19:36

Tgt Ion: 64 Resp: 90822

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

80000

60000

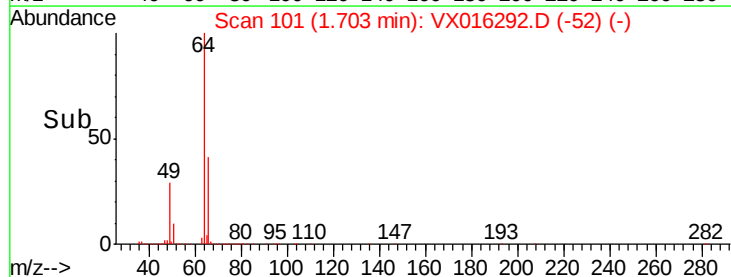
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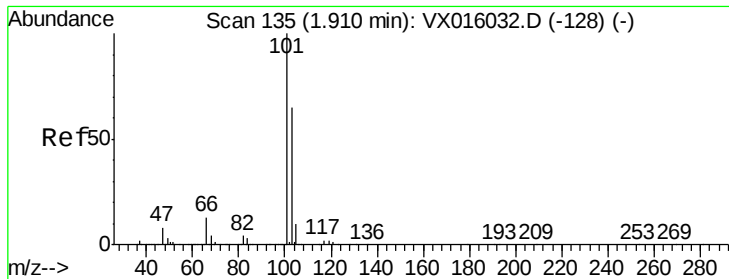
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Time-->

1.60 1.65 1.70 1.75 1.80



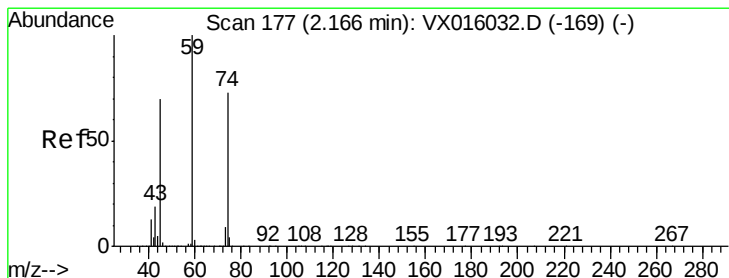
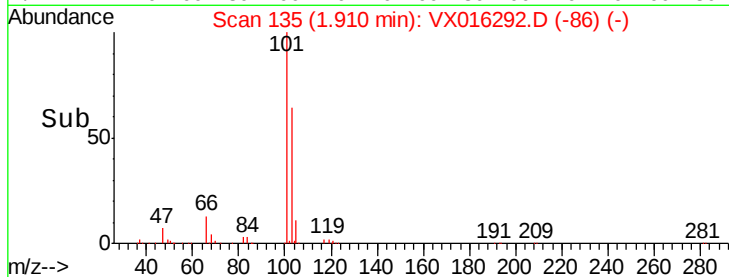
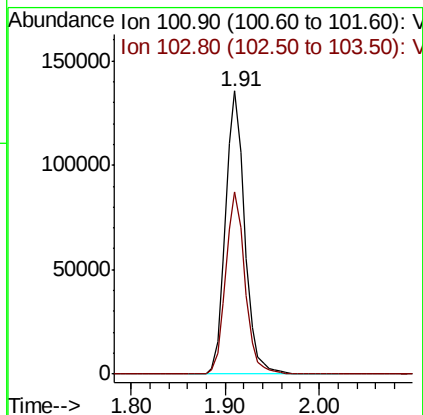
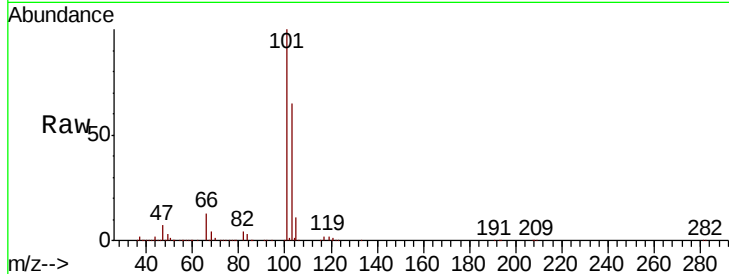


#7

Trichlorofluoromethane
Concen: 46.191 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Instrument :
MSVOA_X
ClientSampled :
S32-0685MS

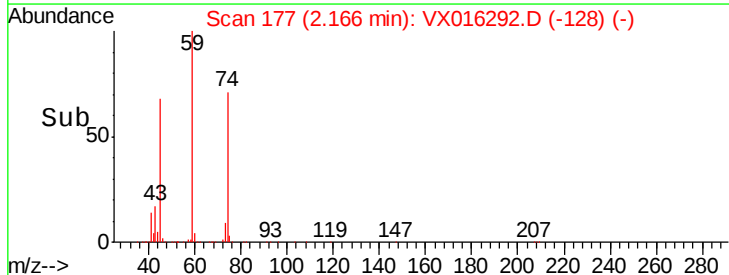
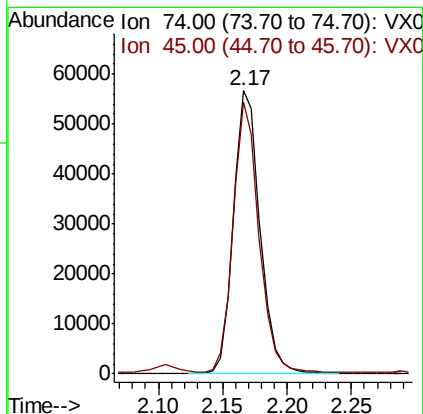
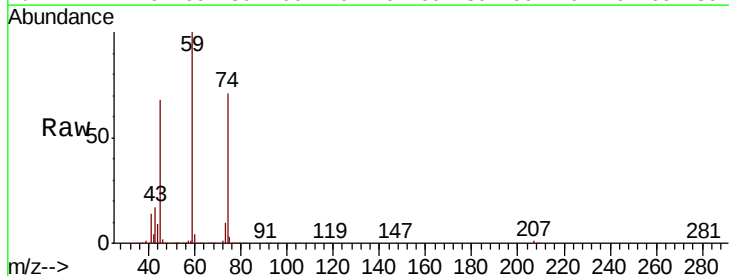
Tot Ion:101 Resp: 191666
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.6

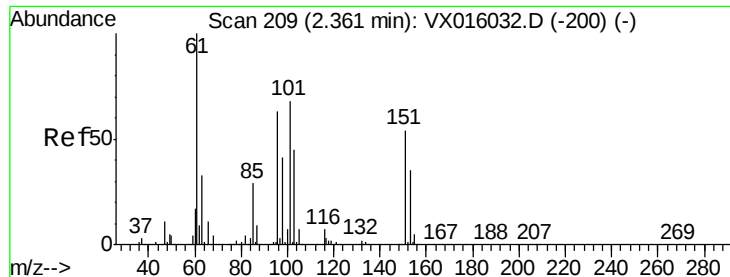


#8

Diethyl Ether
Concen: 46.572 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion: 74 Resp: 81424
Ion Ratio Lower Upper
74 100
45 92.9 47.3 142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.039 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampled :

S32-0685MS

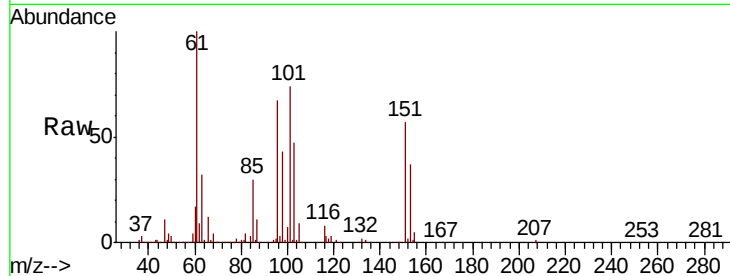
Tot Ion:101 Resp: 103033

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.4

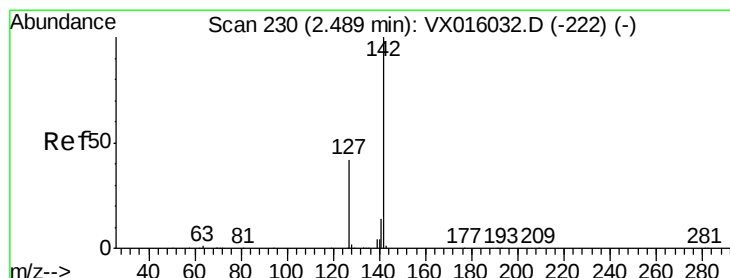
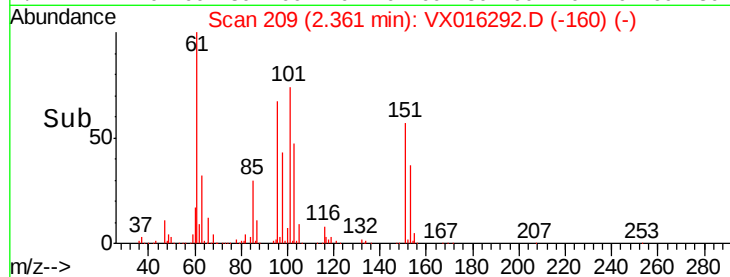
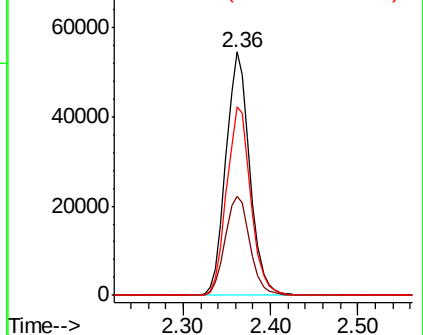
151 78.6 62.1 93.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.072 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

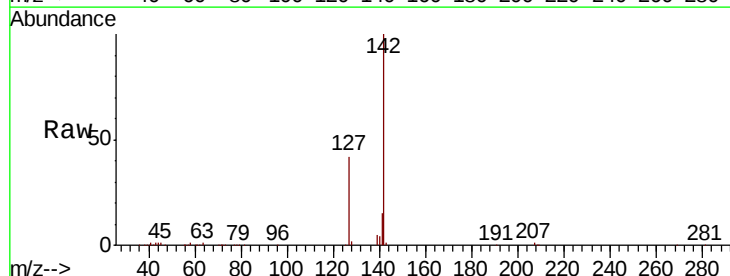
Tgt Ion:142 Resp: 77407

Ion Ratio Lower Upper

142 100

127 42.3 34.6 52.0

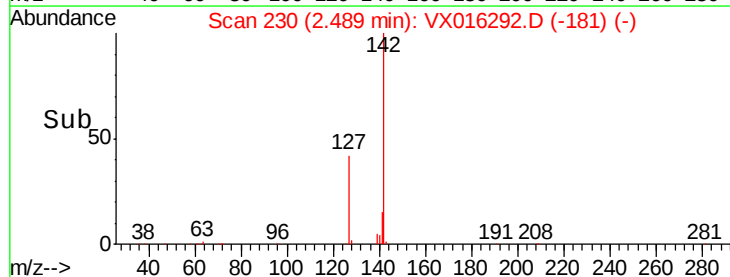
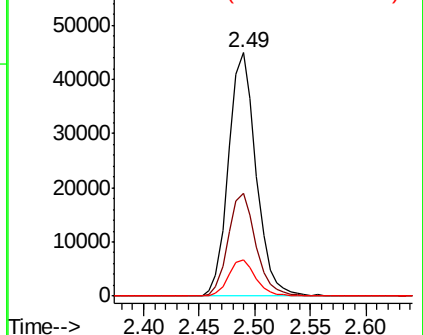
141 14.6 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



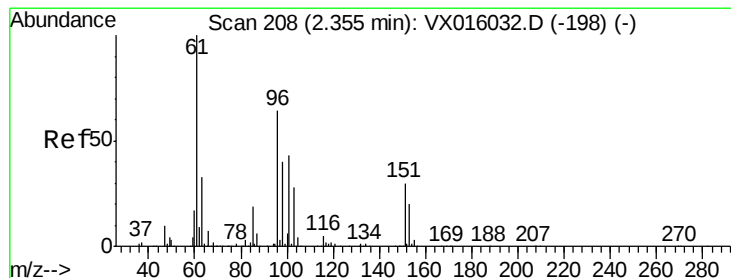
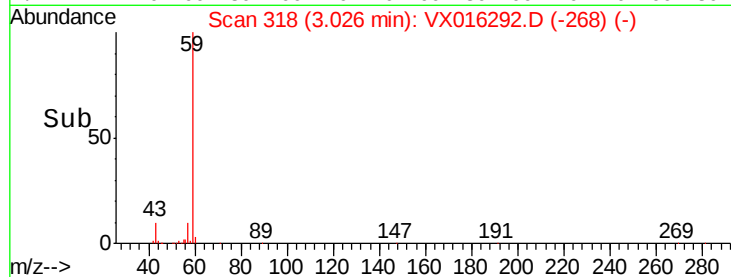
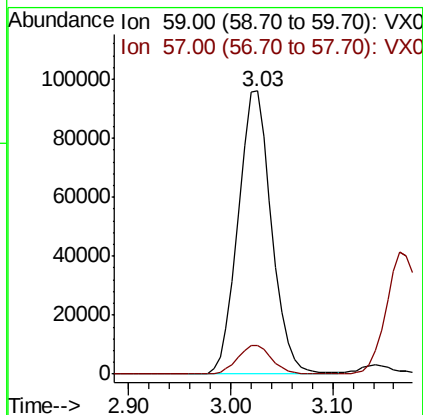
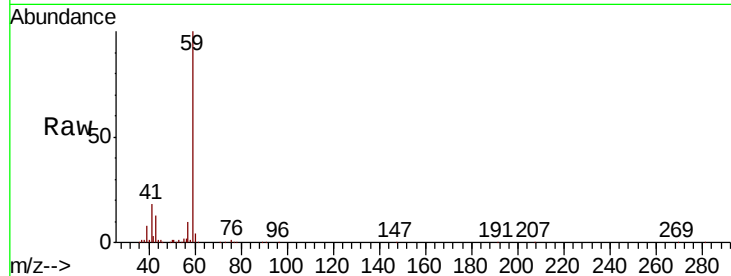


#11

Tert butyl alcohol
Concen: 272.475 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Instrument :
MSVOA_X
ClientSampleId :
S32-0685MS

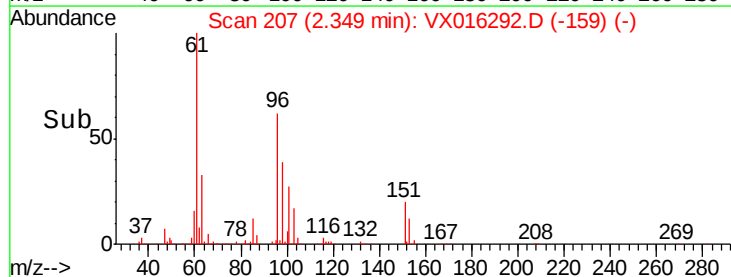
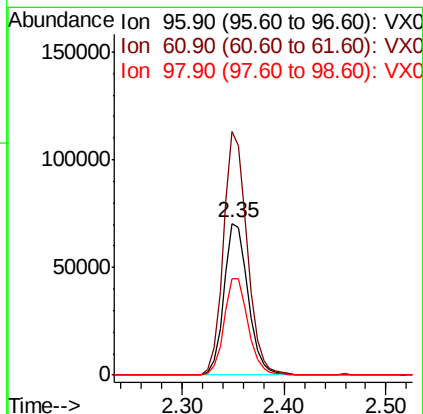
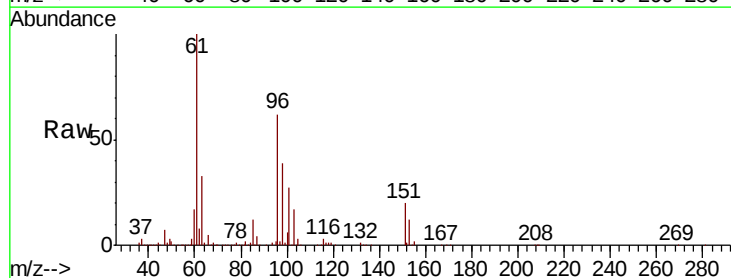
Tot Ion: 59 Resp: 218509
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#12

1,1-Dichloroethene
Concen: 46.076 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion: 96 Resp: 115431
Ion Ratio Lower Upper
96 100
61 160.7 124.8 187.2
98 63.3 49.7 74.5





#13

Acrolein

Concen: 349.238 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

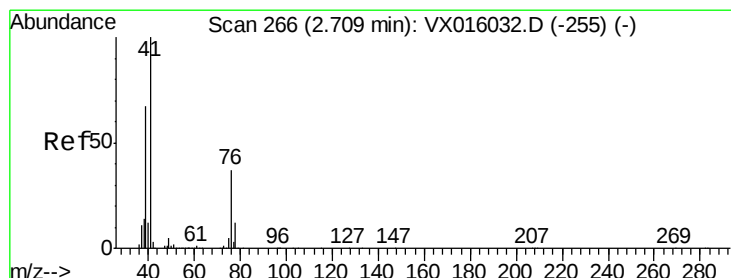
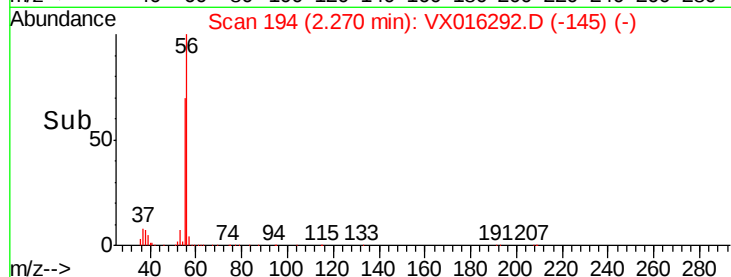
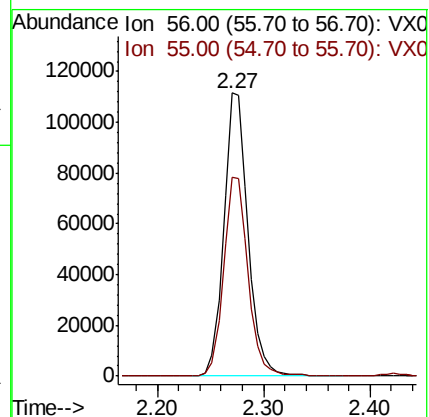
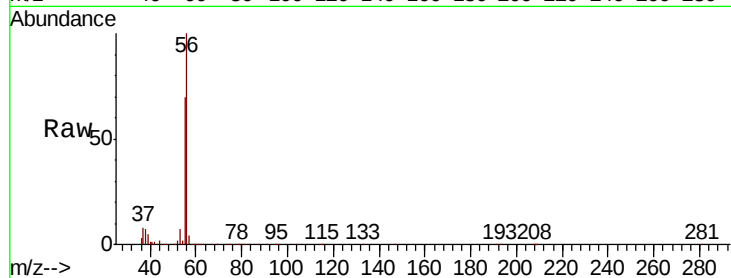
S32-0685MS

Tot Ion: 56 Resp: 175257

Ion Ratio Lower Upper

56 100

55 70.6 56.5 84.7



#14

Allyl chloride

Concen: 44.457 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

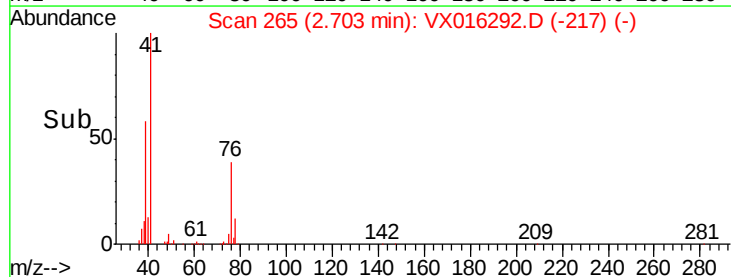
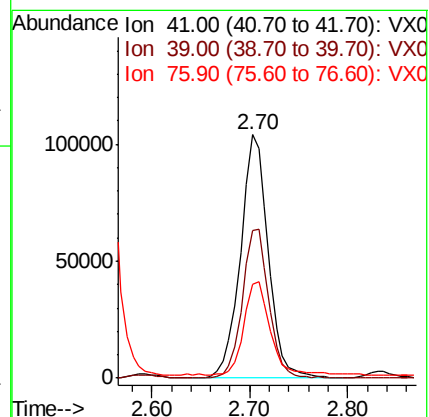
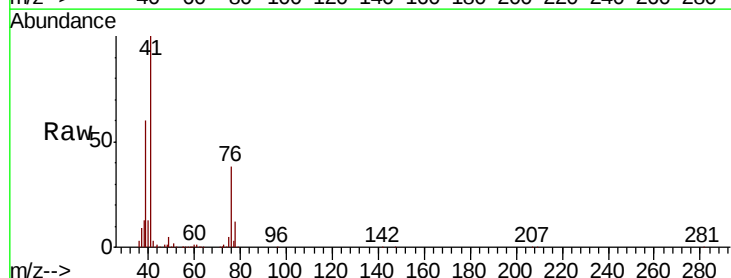
Tgt Ion: 41 Resp: 204212

Ion Ratio Lower Upper

41 100

39 58.1 50.5 75.7

76 37.5 26.6 40.0





#15

Acrylonitrile

Concen: 255.344 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampled :

S32-0685MS

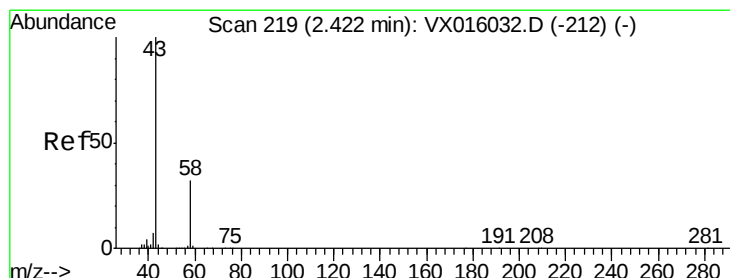
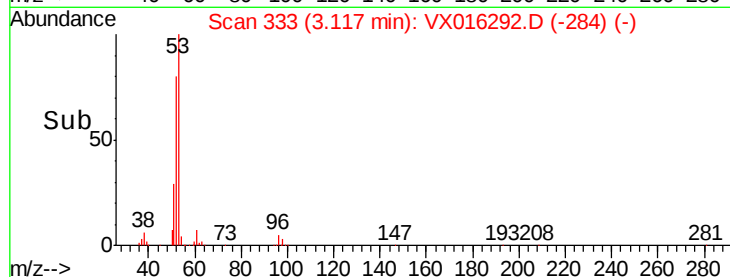
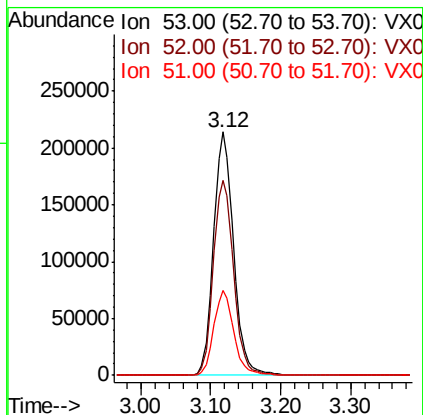
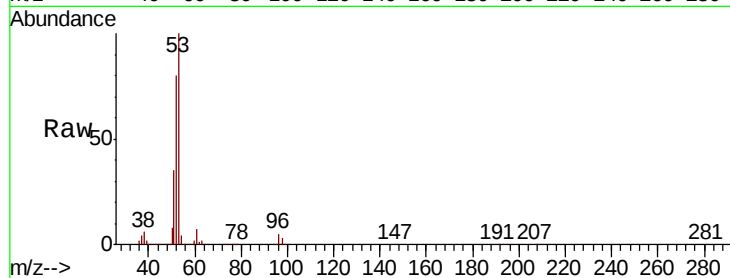
Tot Ion: 53 Resp: 424797

Ion Ratio Lower Upper

53 100

52 81.4 66.1 99.1

51 35.0 28.8 43.2



#16

Acetone

Concen: 251.532 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016292.D

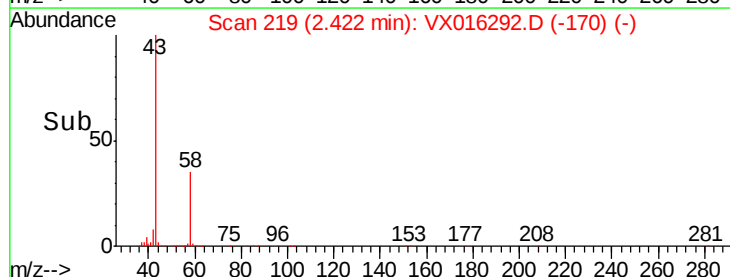
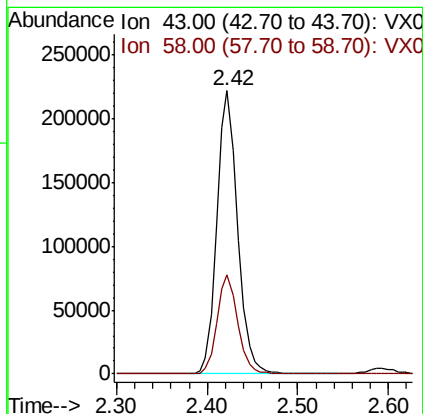
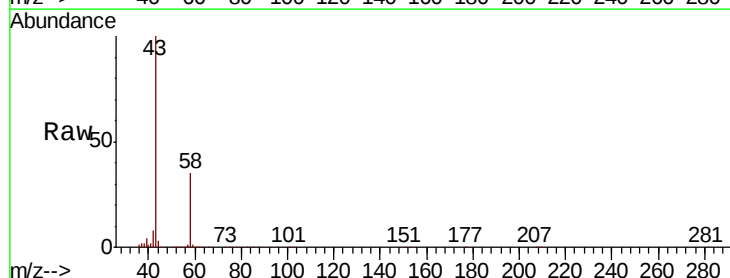
Acq: 15 May 2020 19:36

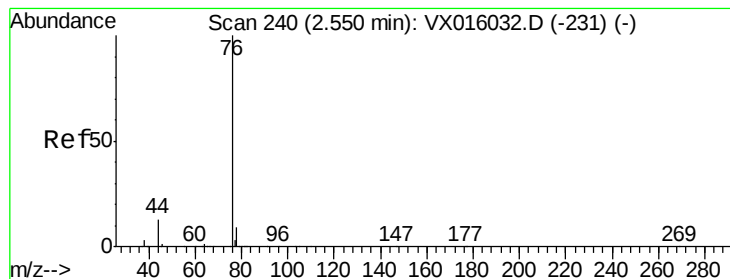
Tgt Ion: 43 Resp: 355919

Ion Ratio Lower Upper

43 100

58 34.9 25.4 38.0





#17

Carbon Disulfide

Concen: 43.681 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

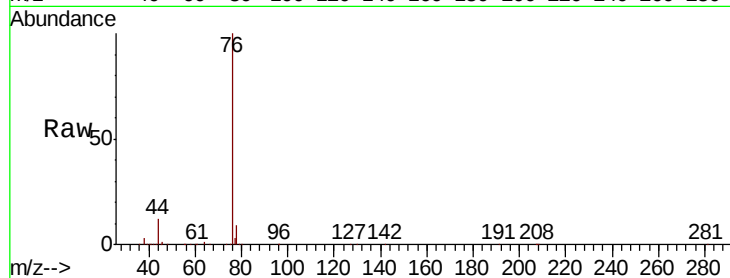
S32-0685MS

Tot Ion: 76 Resp: 328822

Ion Ratio Lower Upper

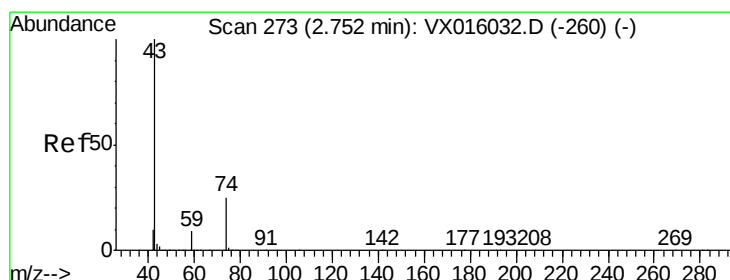
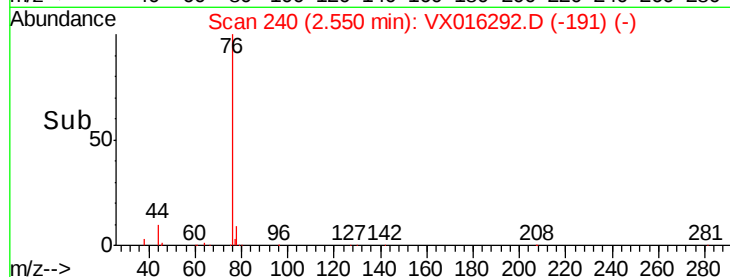
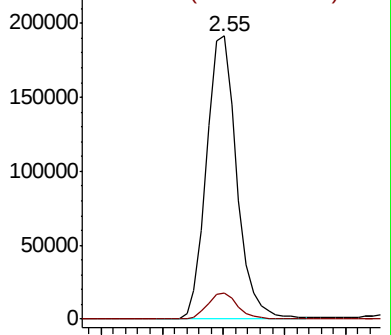
76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.713 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016292.D

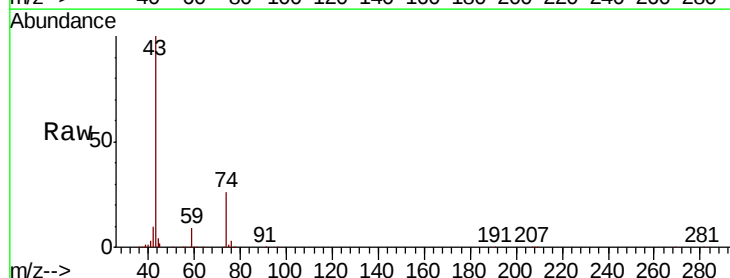
Acq: 15 May 2020 19:36

Tgt Ion: 43 Resp: 172960

Ion Ratio Lower Upper

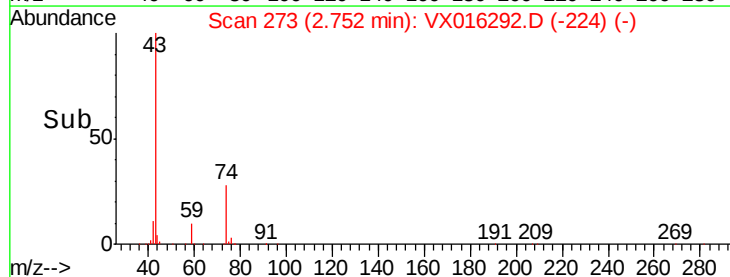
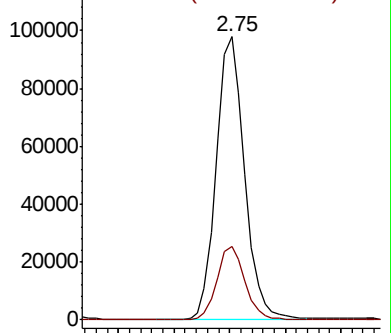
43 100

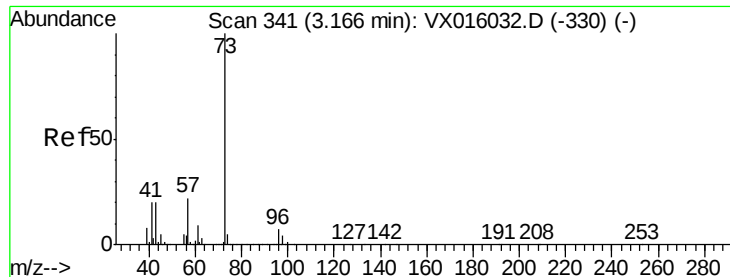
74 26.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



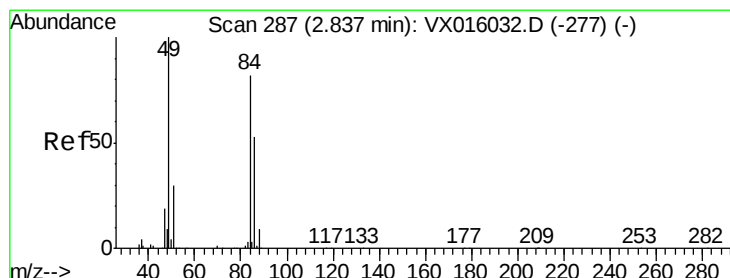
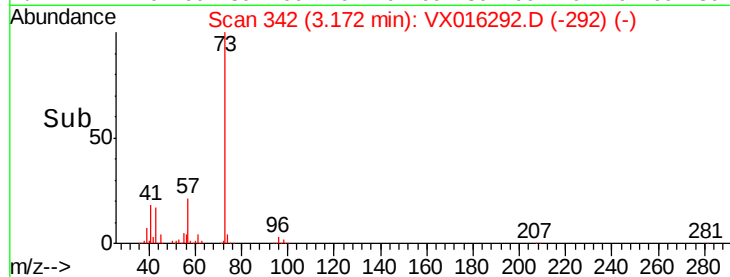
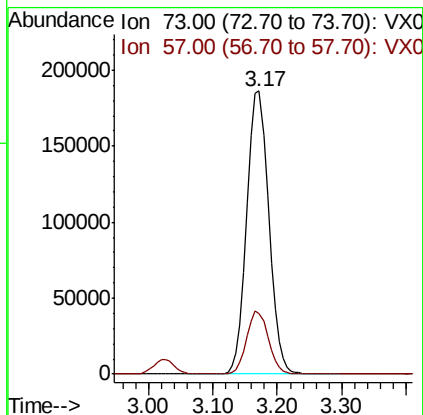
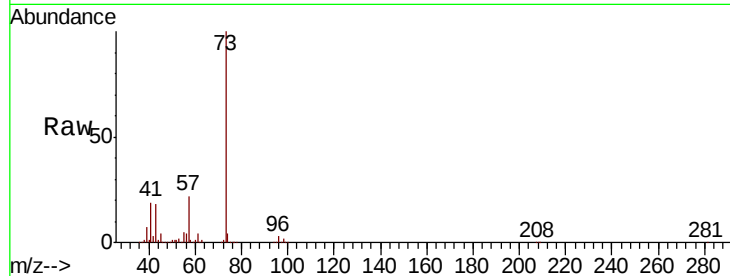


#19

Methyl tert-butyl Ether
 Concen: 50.546 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685MS

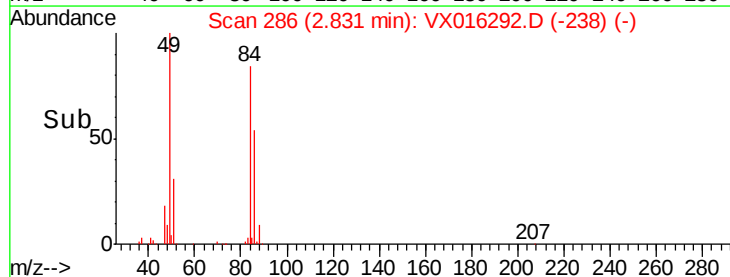
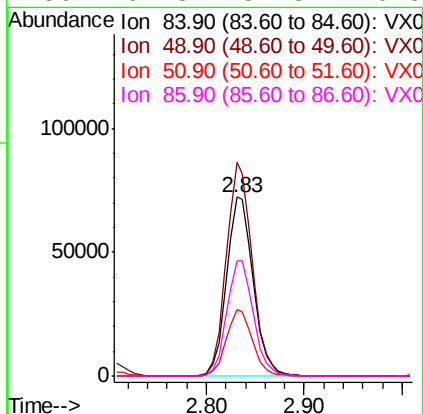
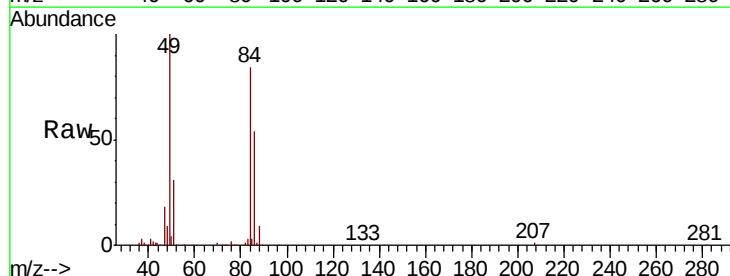
Tot Ion: 73 Resp: 436525
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.8 26.6



#20

Methylene Chloride
 Concen: 46.480 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Tgt Ion: 84 Resp: 135582
 Ion Ratio Lower Upper
 84 100
 49 119.6 97.3 145.9
 51 37.3 29.3 43.9
 86 64.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.013 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

S32-0685MS

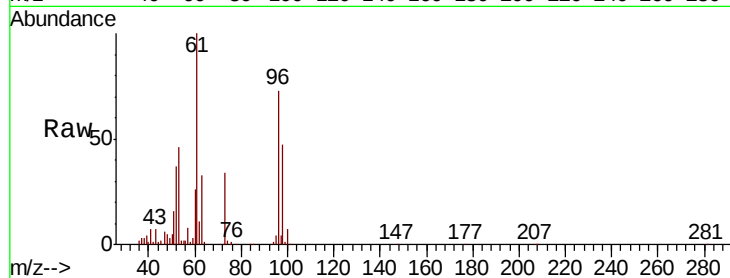
Tot Ion: 96 Resp: 134040

Ion Ratio Lower Upper

96 100

61 137.6 111.2 166.8

98 64.7 50.2 75.4

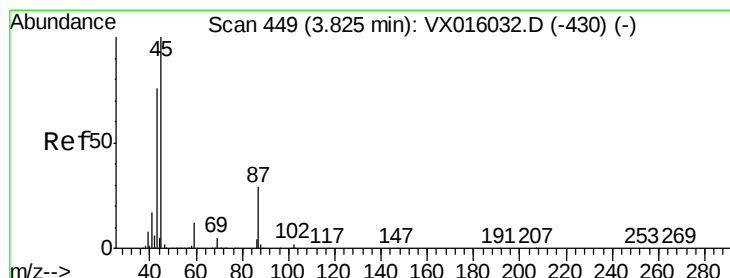
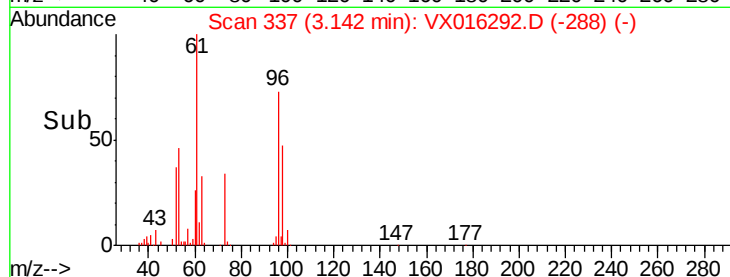
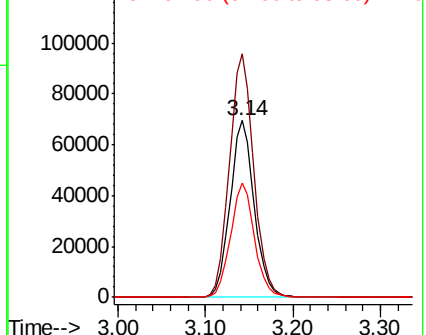


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.044 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Tgt Ion: 45 Resp: 416334

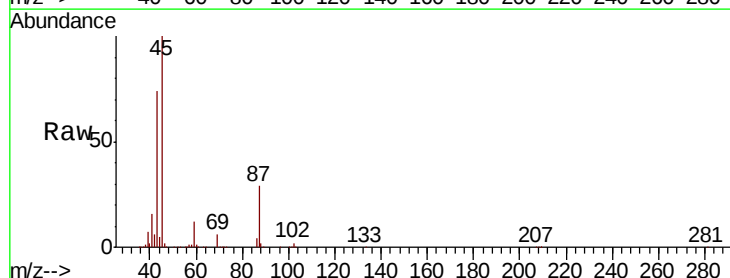
Ion Ratio Lower Upper

45 100

43 74.0 61.1 91.7

87 28.8 23.0 34.6

59 12.2 9.8 14.6



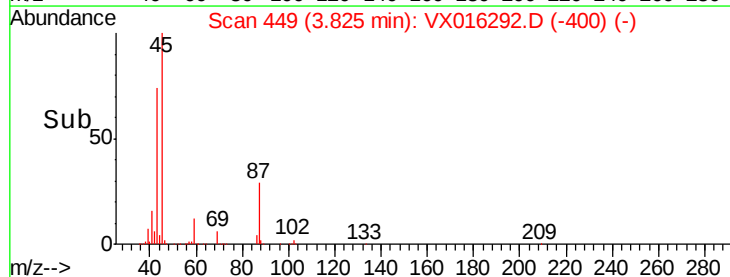
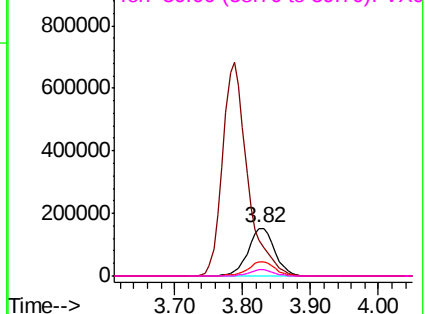
Abundance

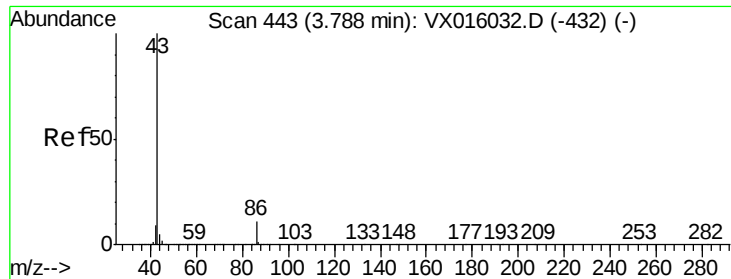
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 227.907 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

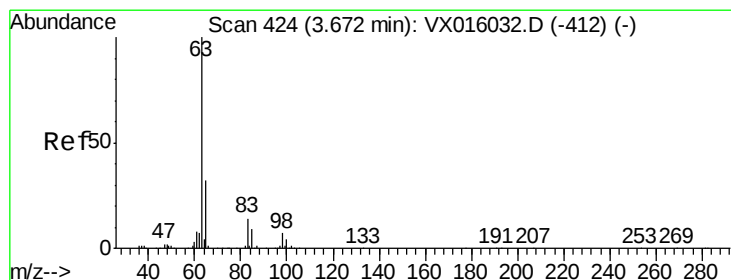
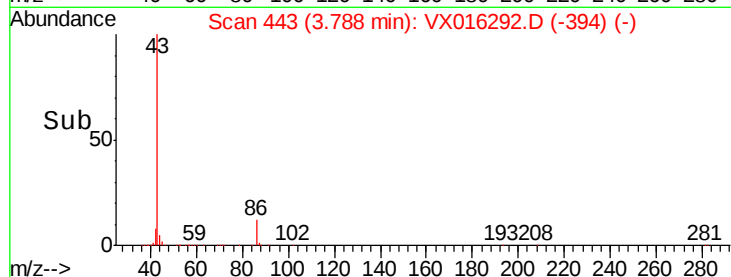
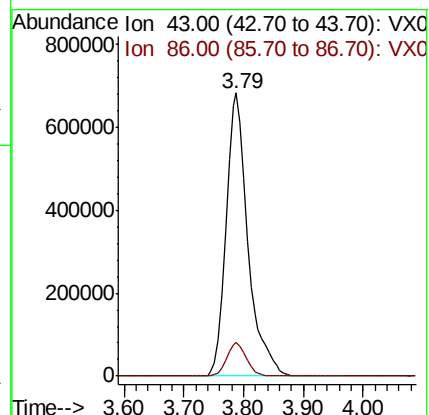
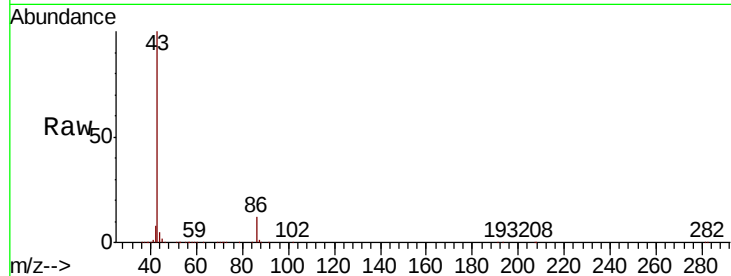
S32-0685MS

Tot Ion: 43 Resp: 1737567

Ion Ratio Lower Upper

43 100

86 11.7 9.0 13.4



#24

1,1-Dichloroethane

Concen: 48.937 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

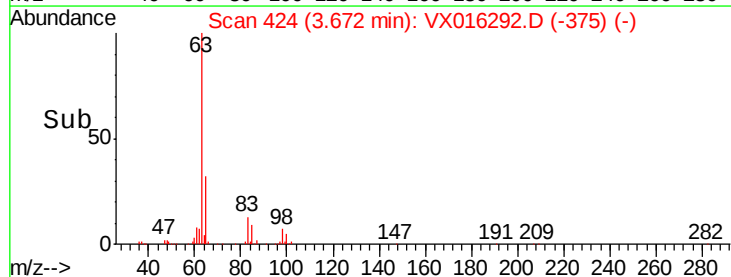
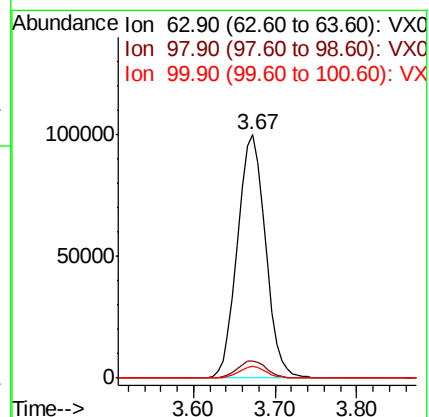
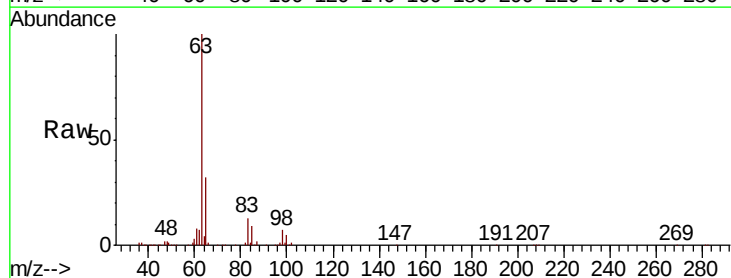
Tgt Ion: 63 Resp: 237227

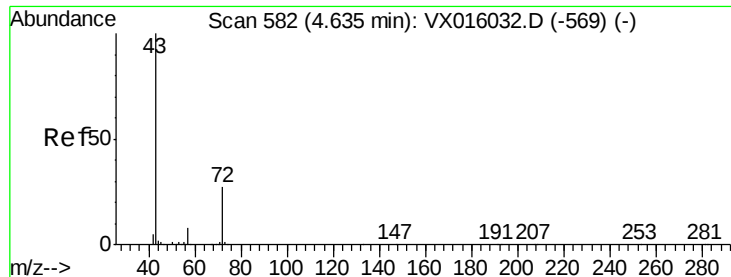
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.7 2.1 6.5

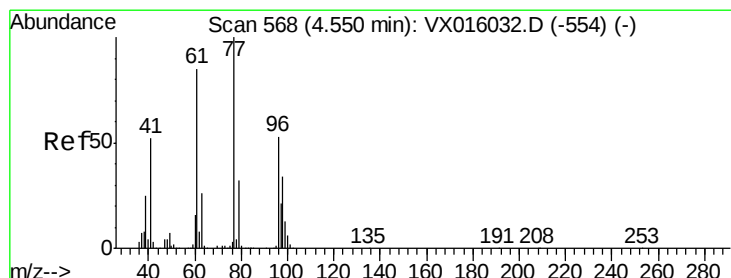
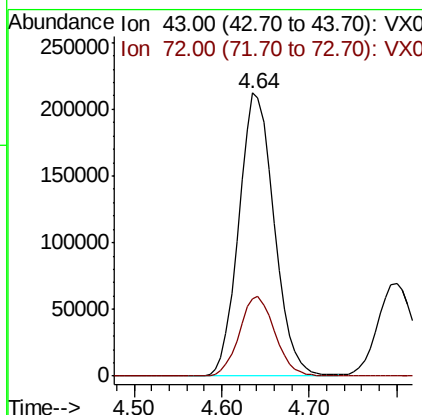
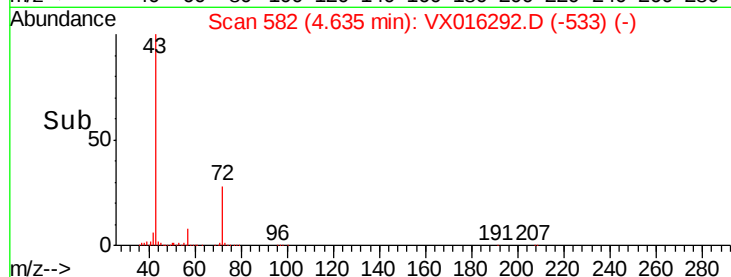
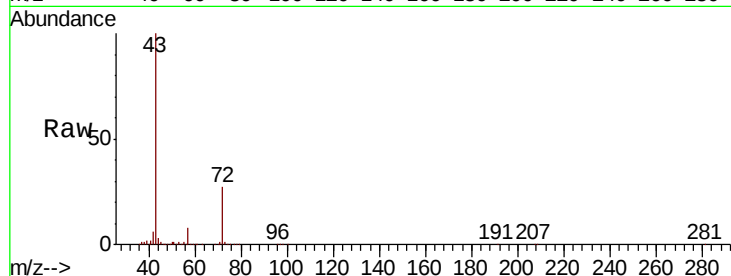




#25
2-Butanone
Concen: 260.823 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

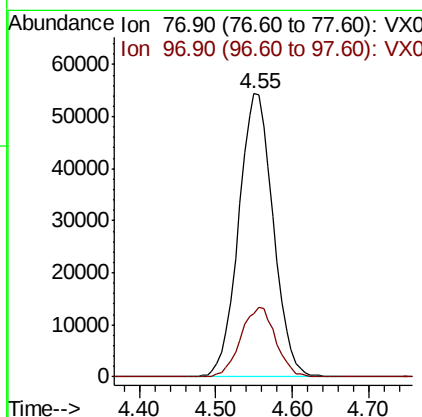
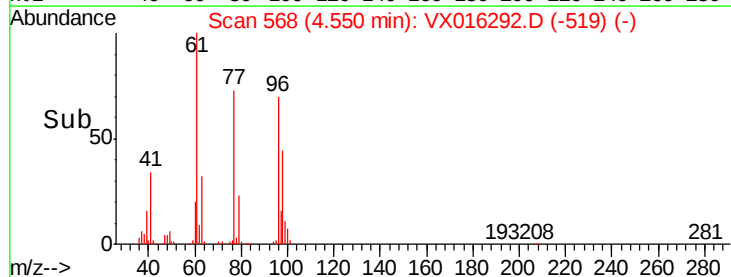
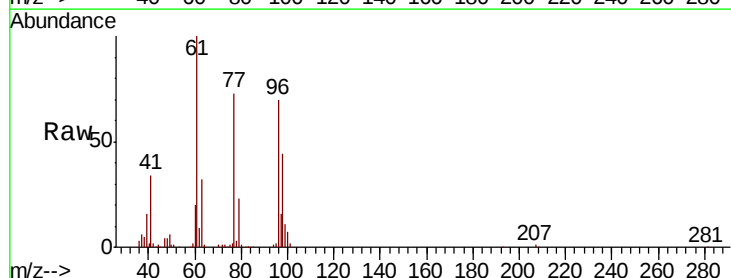
Instrument :
MSVOA_X
ClientSampleId :
S32-0685MS

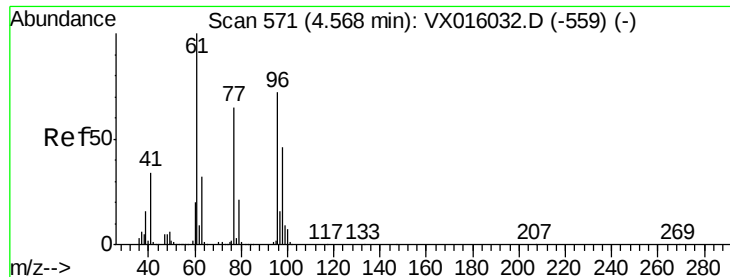
Tot Ion: 43 Resp: 594714
Ion Ratio Lower Upper
43 100
72 27.4 21.8 32.8



#26
2,2-Dichloropropane
Concen: 38.526 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion: 77 Resp: 170558
Ion Ratio Lower Upper
77 100
97 24.8 11.2 33.6



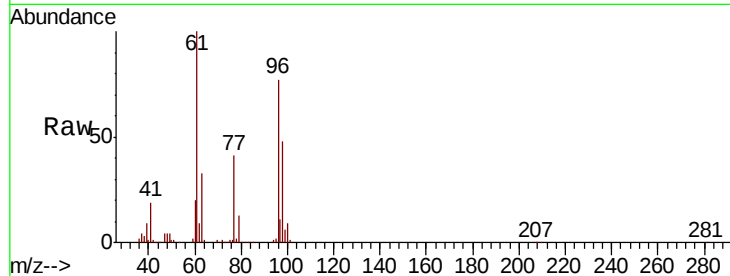


#27

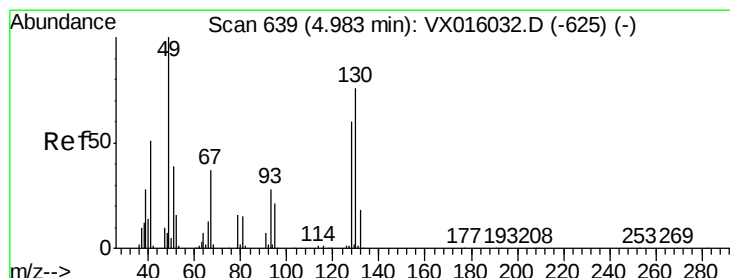
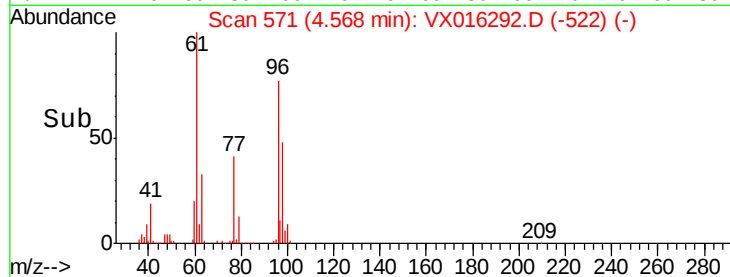
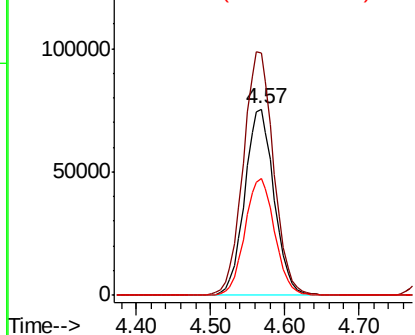
cis-1,2-Dichloroethene
Concen: 68.628 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Instrument :
MSVOA_X
ClientSampleId :
S32-0685MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	296.2
98	63.6	0.0	129.4



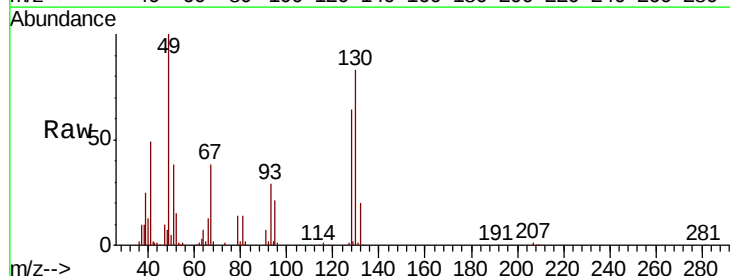
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



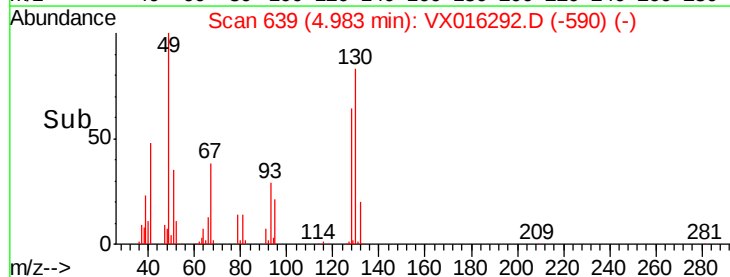
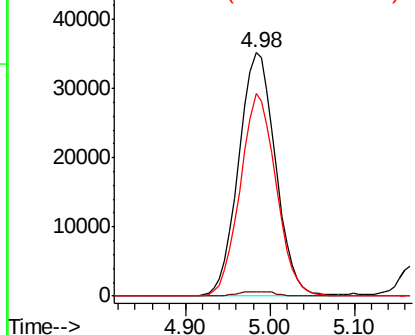
#28

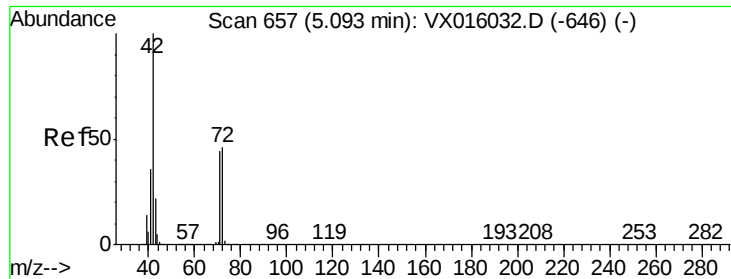
Bromochloromethane
Concen: 47.341 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	80.8	62.4	93.6



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

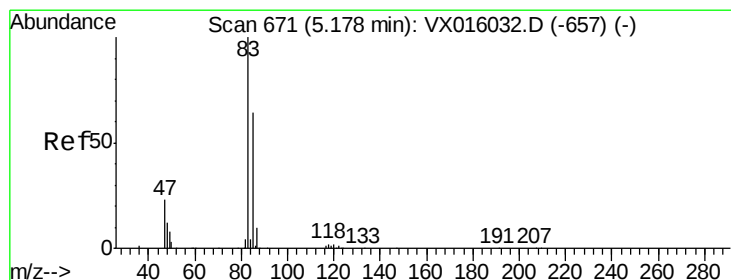
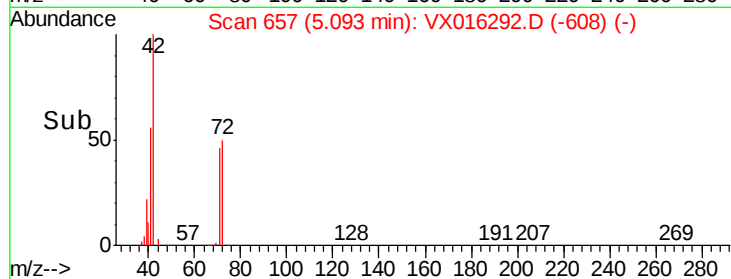
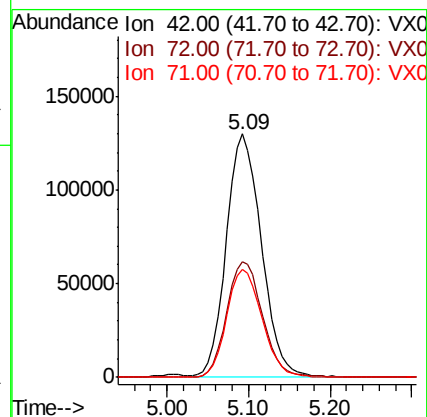
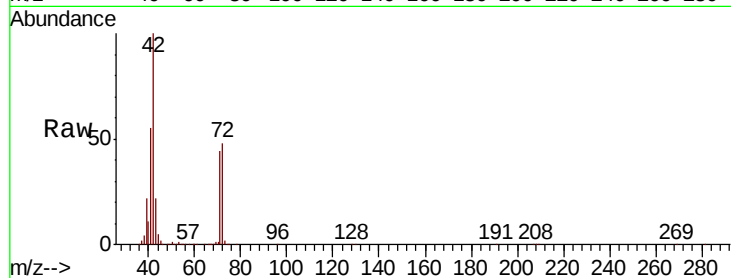




#29
Tetrahydrofuran
Concen: 254.187 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

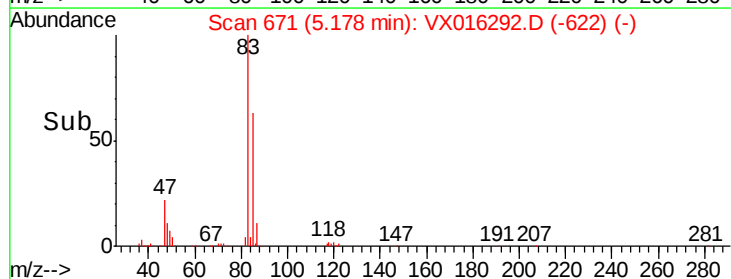
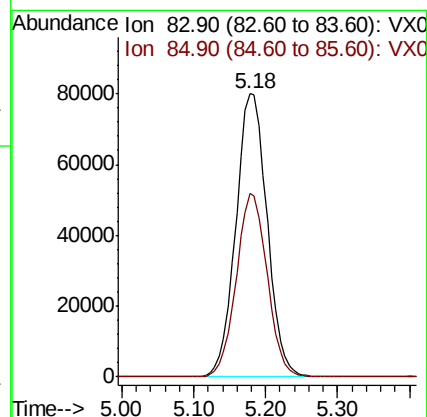
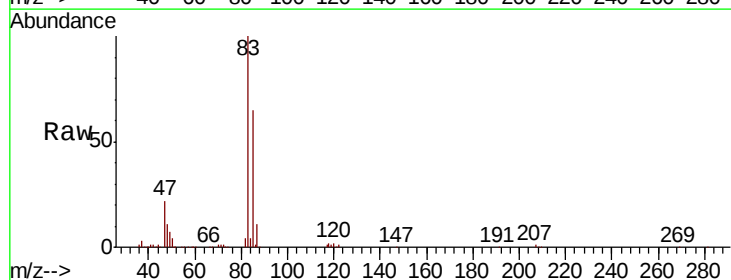
Instrument :
MSVOA_X
ClientSampleId :
S32-0685MS

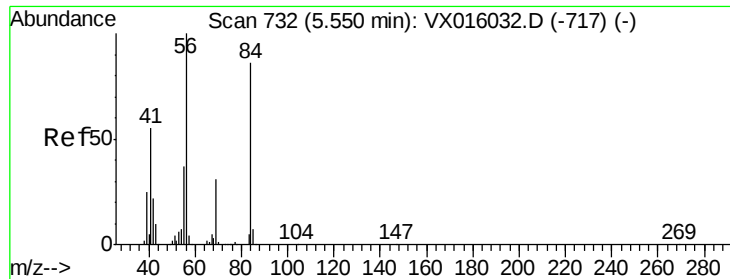
Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	37.1	55.7
71	45.1	34.5	51.7



#30
Chloroform
Concen: 50.034 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4

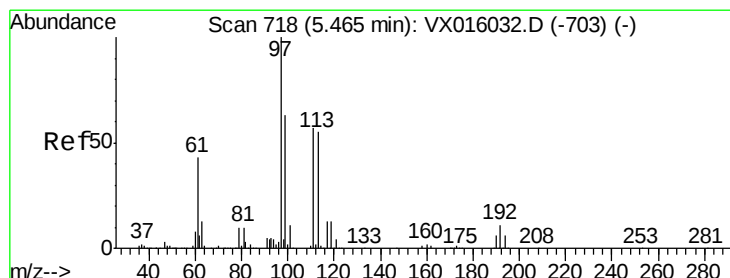
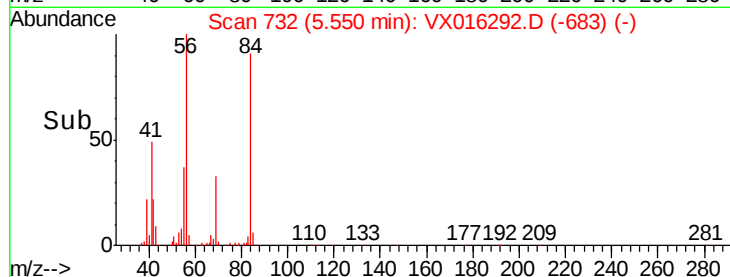
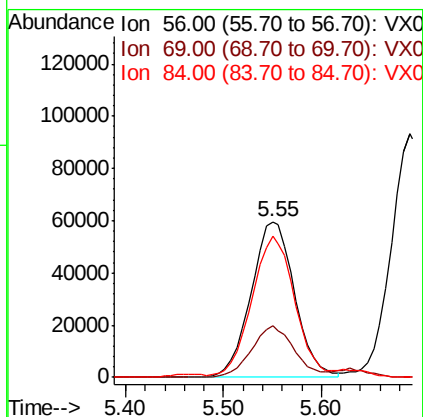
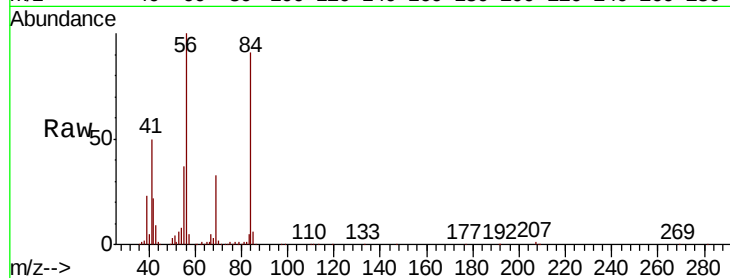




#31
Cyclohexane
Concen: 41.782 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

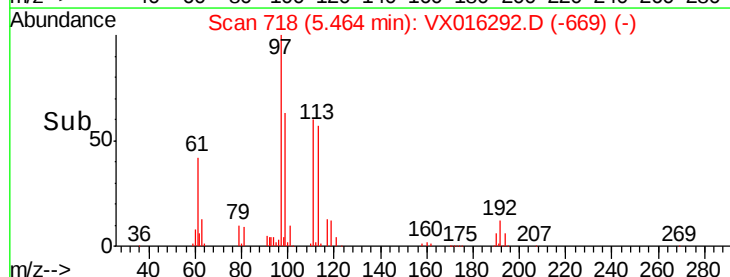
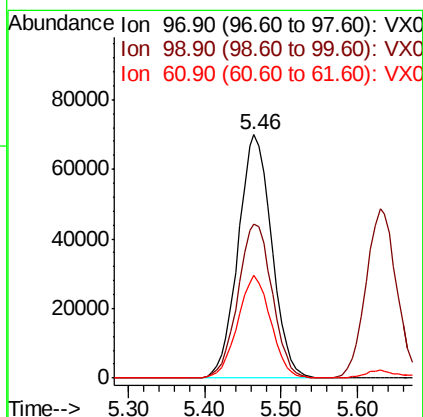
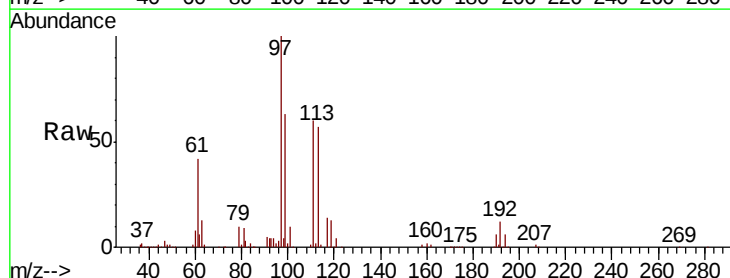
Instrument :
MSVOA_X
ClientSampleId :
S32-0685MS

Tot Ion: 56 Resp: 184075
Ion Ratio Lower Upper
56 100
69 33.1 25.0 37.6
84 89.1 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 48.705 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion: 97 Resp: 213681
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 41.6 34.5 51.7

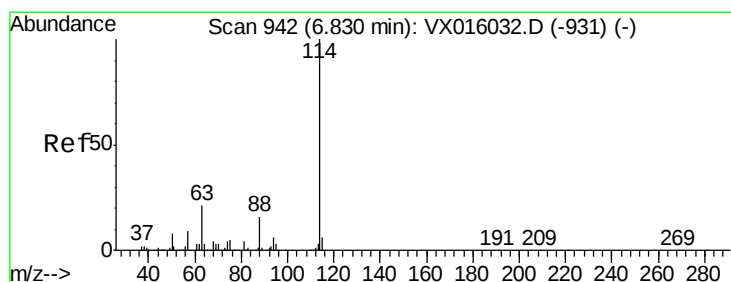
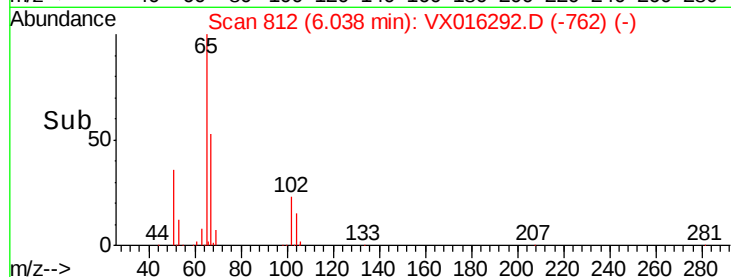
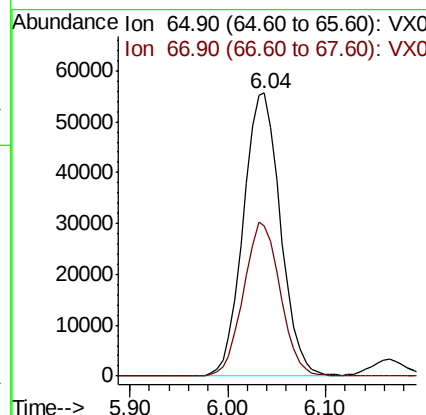
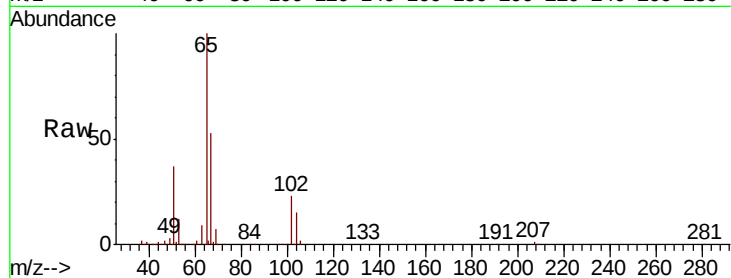




#33
 1,2-Dichloroethane-d4
 Concen: 46.497 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

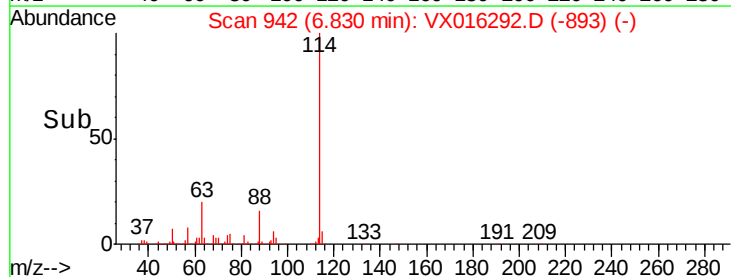
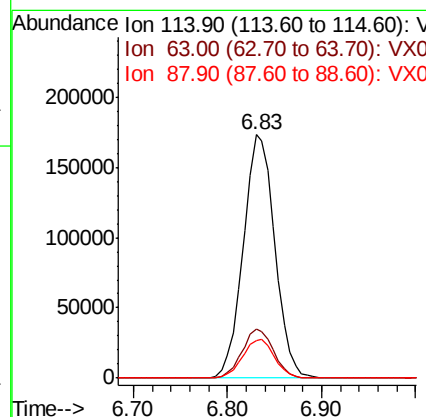
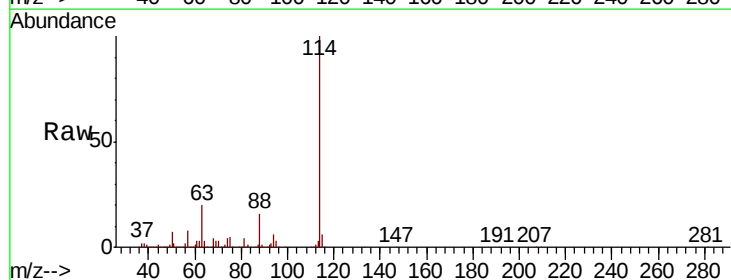
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685MS

Tot Ion: 65 Resp: 147455
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Tgt Ion: 114 Resp: 405989
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.8
 88 15.7 0.0 31.4

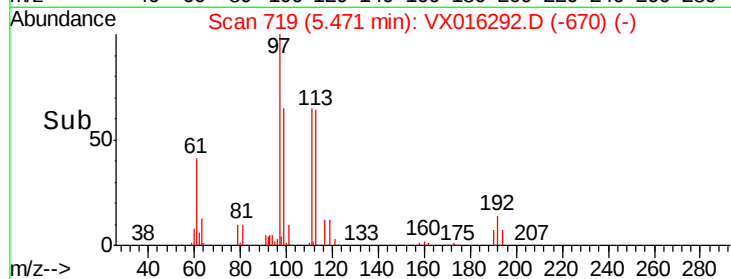
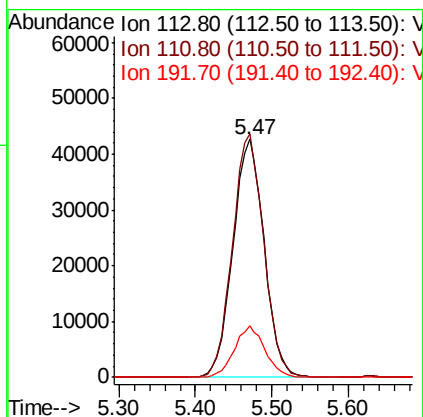
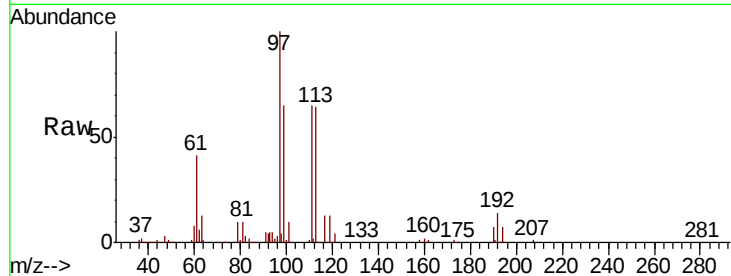




#35
 Dibromofluoromethane
 Concen: 46.912 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

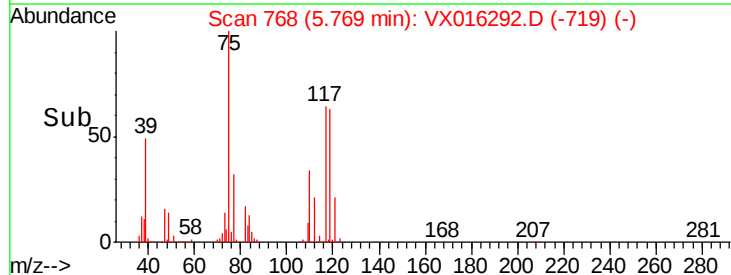
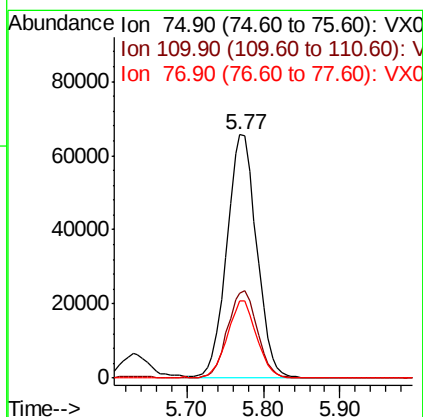
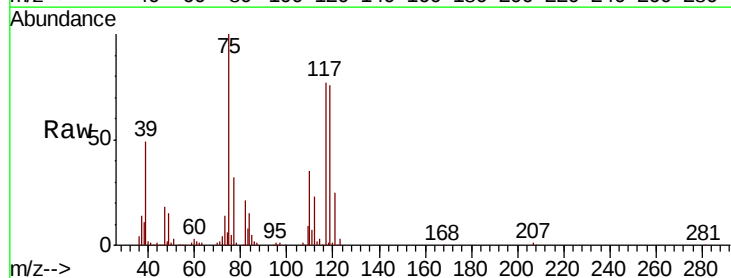
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685MS

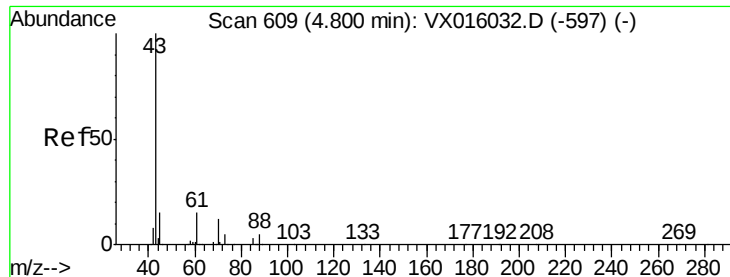
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	20.9	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 44.376 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.1
77	31.3	25.0	37.6

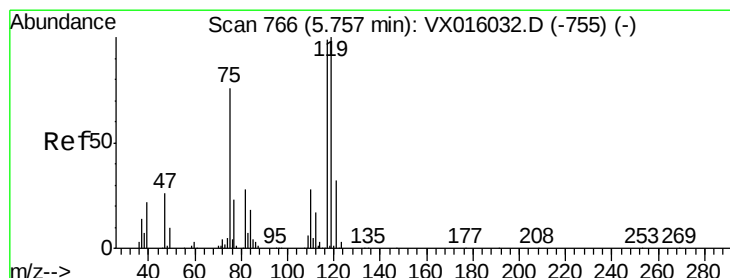
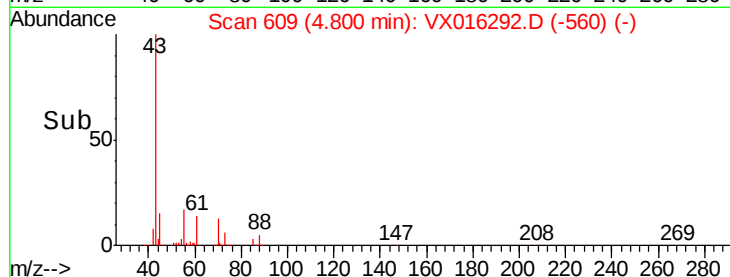
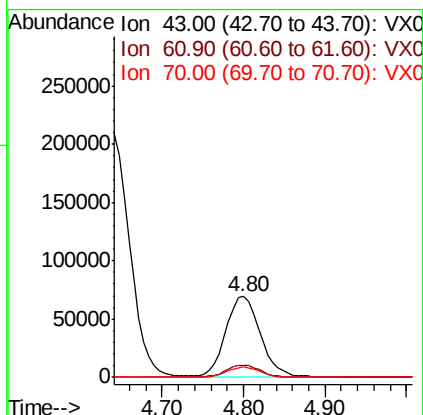
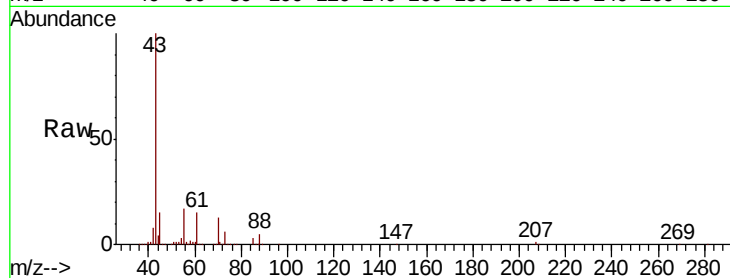




#37
Ethyl Acetate
Concen: 44.022 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

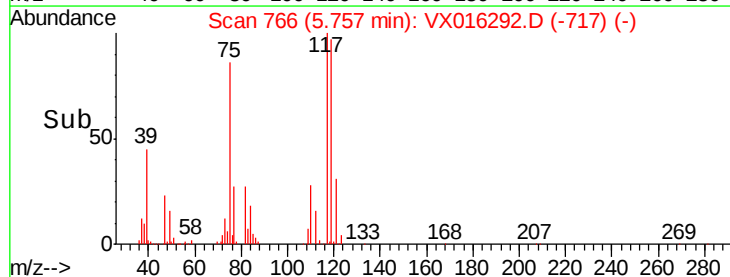
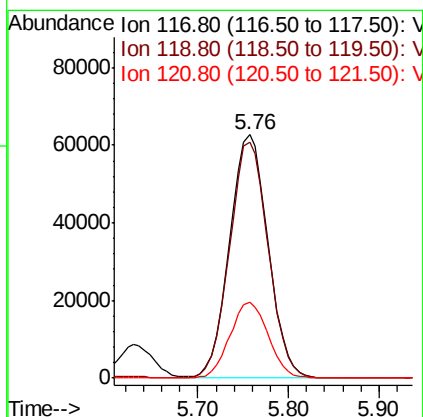
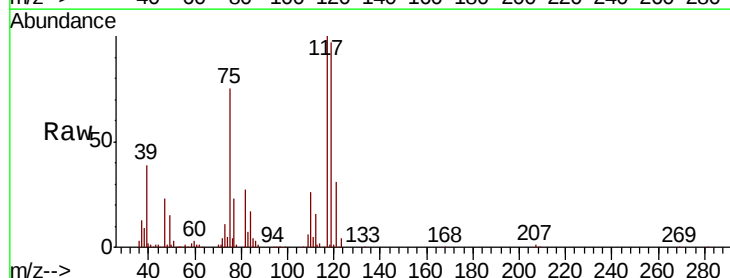
Instrument :
MSVOA_X
ClientSampled :
S32-0685MS

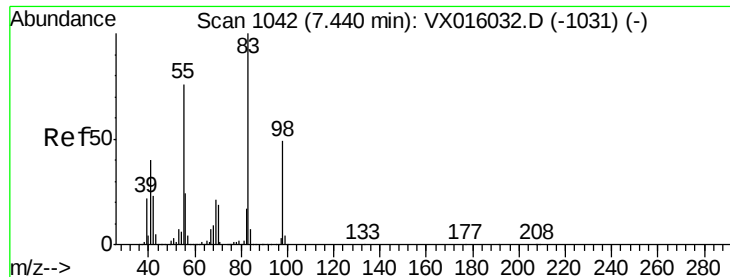
Tot Ion	43	Resp	203908
Ion Ratio	Lower	Upper	
43	100		
61	15.4	11.7	17.5
70	12.3	9.3	13.9



#38
Carbon Tetrachloride
Concen: 45.524 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion	117	Resp	184920
Ion Ratio	Lower	Upper	
117	100		
119	96.8	80.3	120.5
121	31.2	25.7	38.5

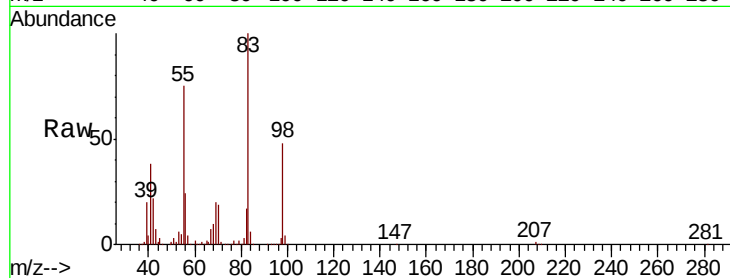




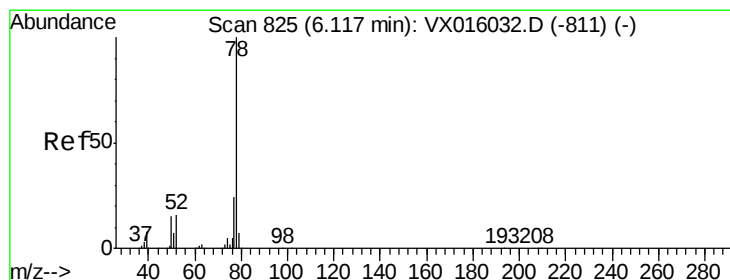
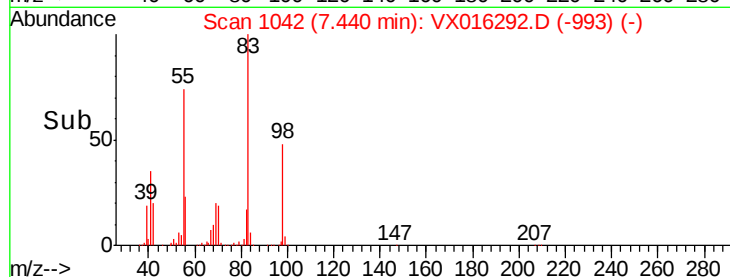
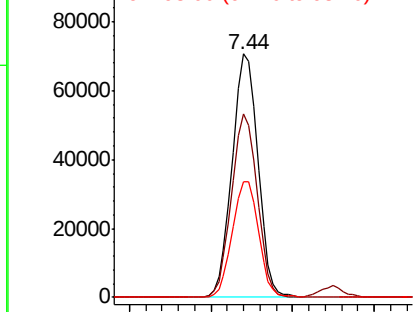
#39
Methvlcvclohexane
Concen: 32.083 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Instrument :
MSVOA_X
ClientSampleId :
S32-0685MS

Tot Ion: 83 Resp: 154405
Ion Ratio Lower Upper
83 100
55 75.3 61.1 91.7
98 47.5 39.0 58.4

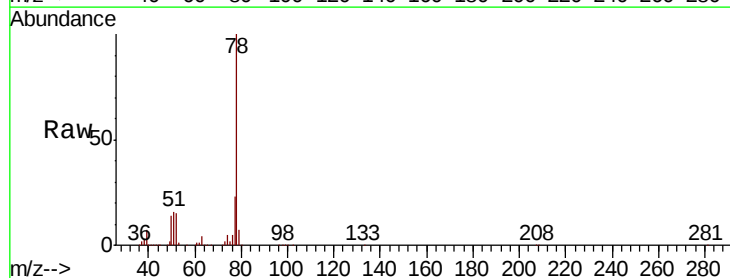


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

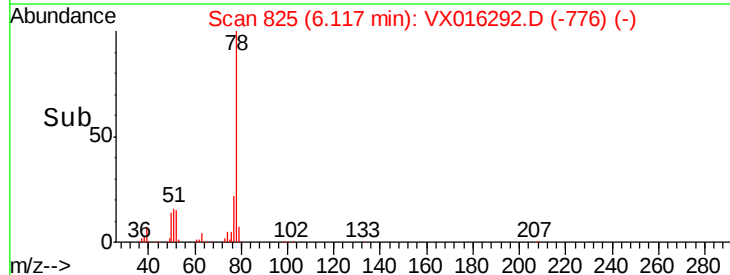
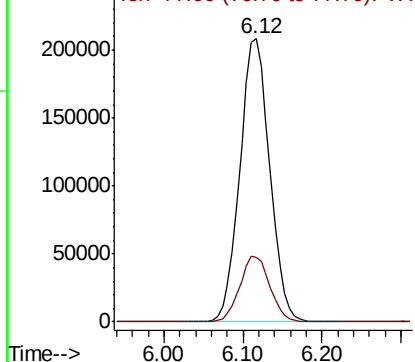


#40
Benzene
Concen: 46.943 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion: 78 Resp: 548914
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

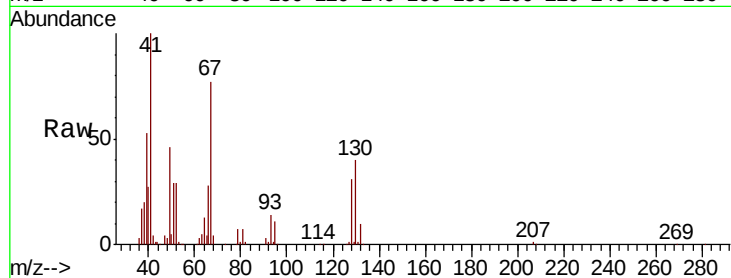




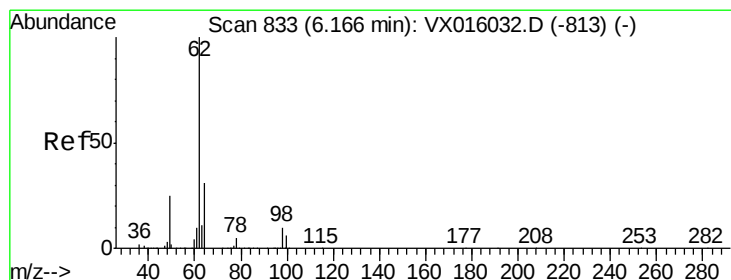
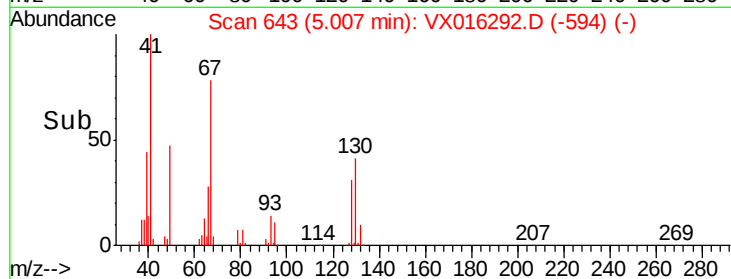
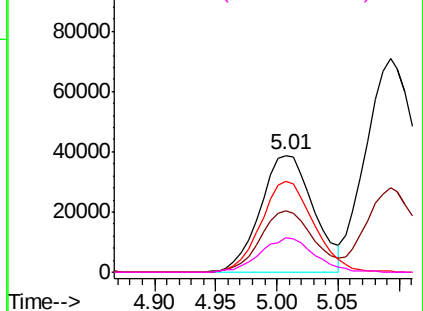
#41
Methacrylonitrile
Concen: 47.080 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Instrument :
MSVOA_X
ClientSampled :
S32-0685MS

Tot Ion:	41	Resp:	117769
Ion	Ratio	Lower	Upper
41	100		
39	52.6	43.2	64.8
67	77.2	59.3	88.9
52	30.4	23.5	35.3

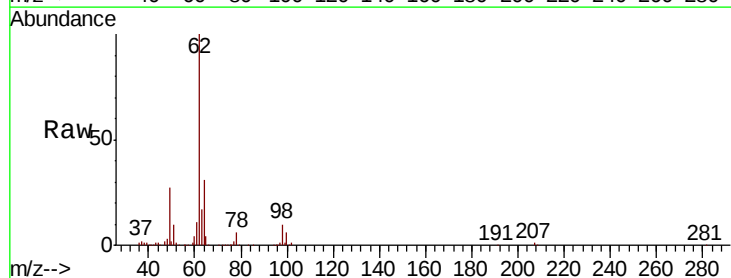


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

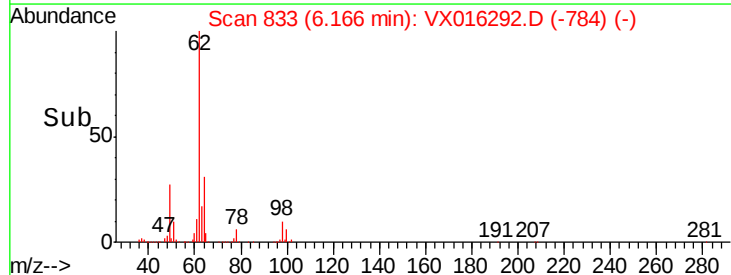
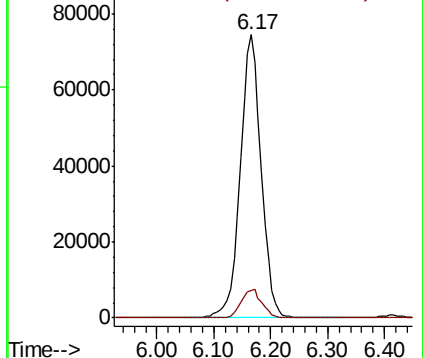


#42
1,2-Dichloroethane
Concen: 45.391 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion:	62	Resp:	191201
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4



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



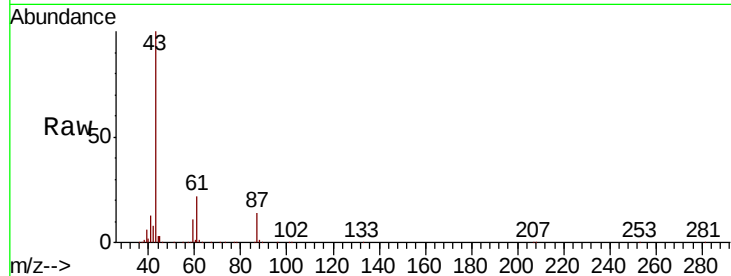


#43

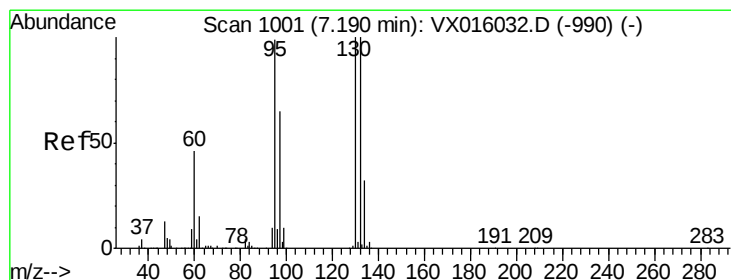
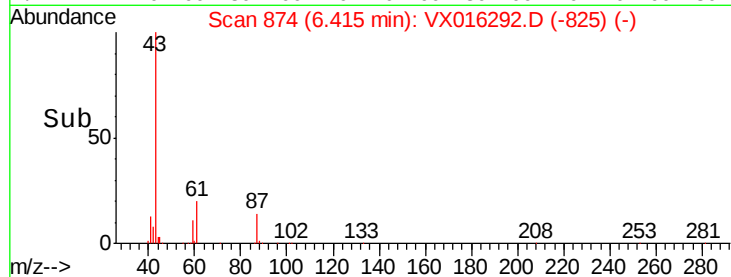
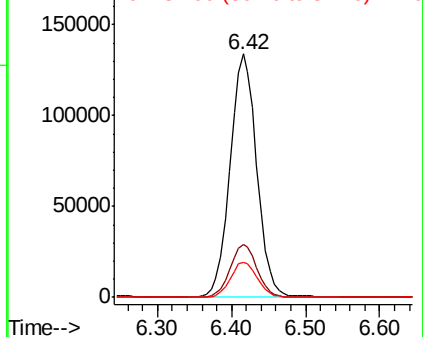
Isopropyl Acetate
 Concen: 45.015 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.0	25.4
87	14.7	11.0	16.6



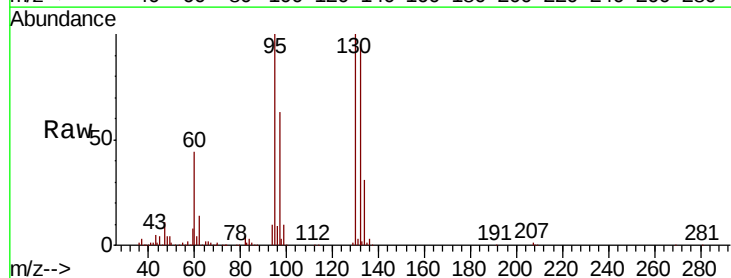
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



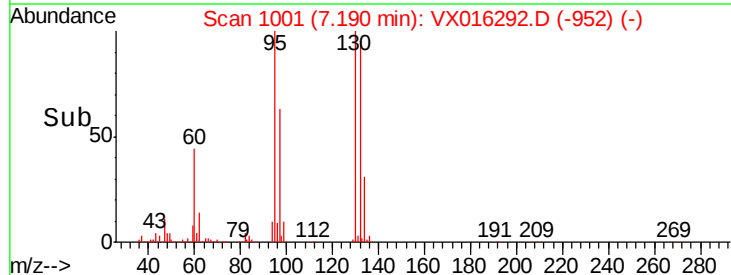
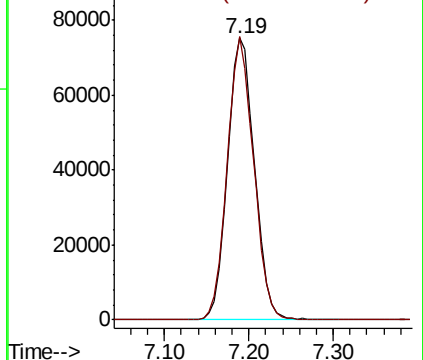
#44

Trichloroethene
 Concen: 39.378 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	197.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 47.813 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

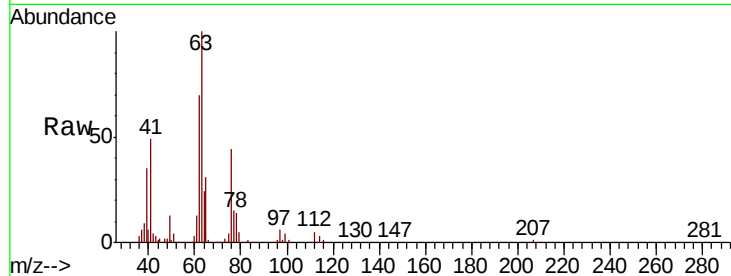
S32-0685MS

Tot Ion: 63 Resp: 141467

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

80000

60000

40000

20000

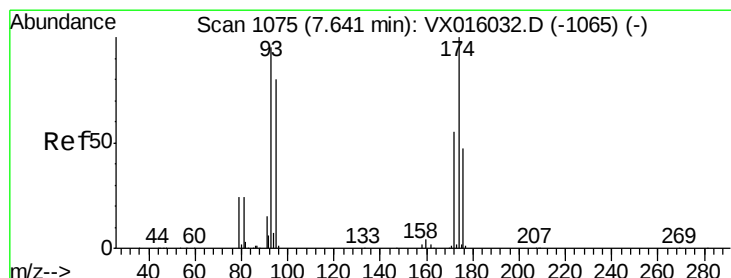
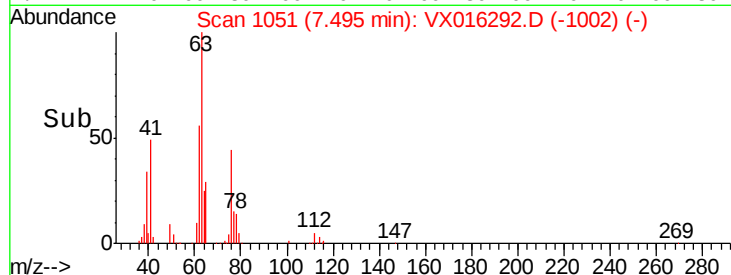
0

Time-->

7.40

7.50

7.60



#46

Dibromomethane

Concen: 47.123 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

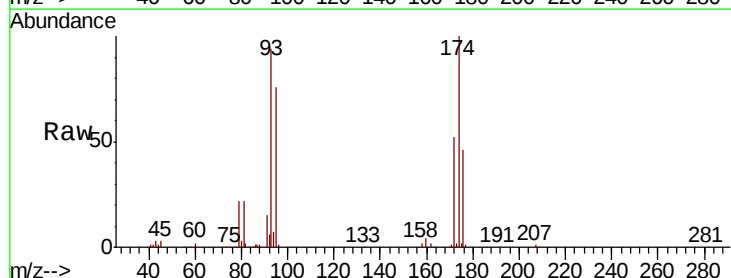
Tgt Ion: 93 Resp: 94751

Ion Ratio Lower Upper

93 100

95 82.0 66.6 100.0

174 103.9 84.2 126.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

60000

40000

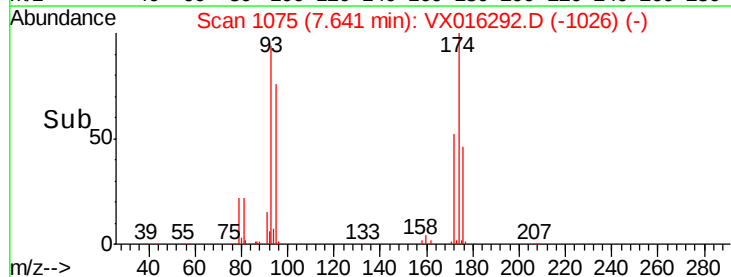
20000

0

Time-->

7.60

7.70





#47

Bromodichloromethane

Concen: 48.464 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

S32-0685MS

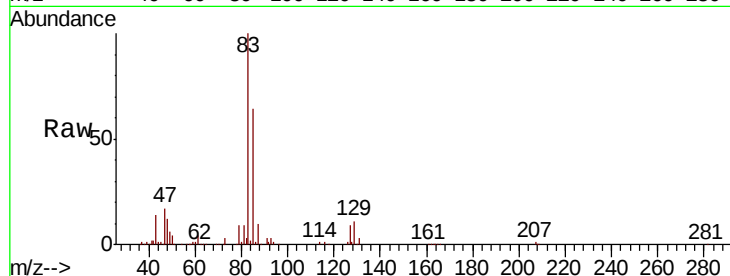
Tot Ion: 83 Resp: 198464

Ion Ratio Lower Upper

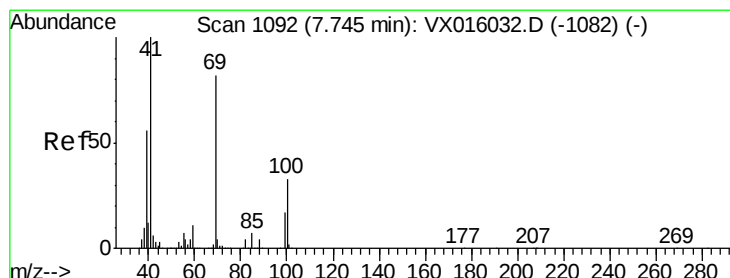
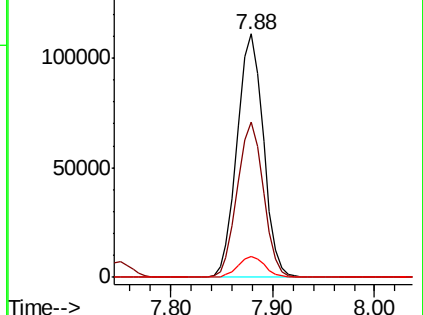
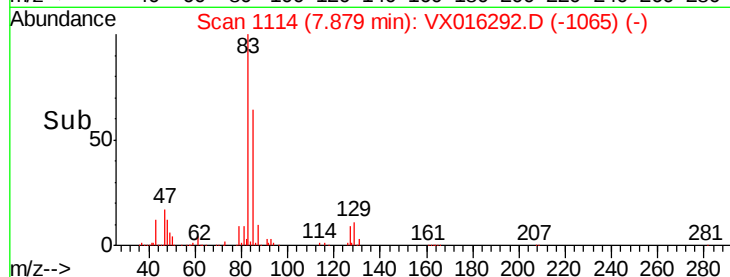
83 100

85 63.8 50.5 75.7

127 8.8 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 46.861 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

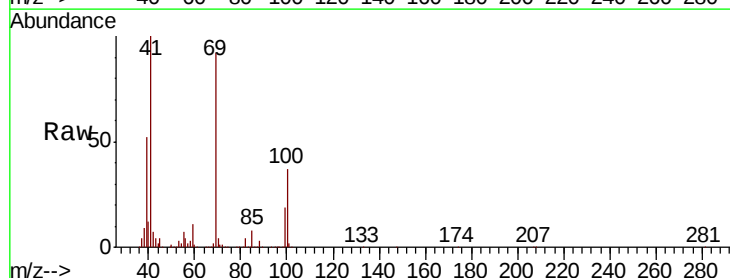
Tgt Ion: 41 Resp: 164105

Ion Ratio Lower Upper

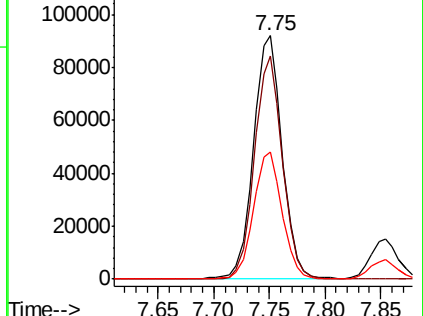
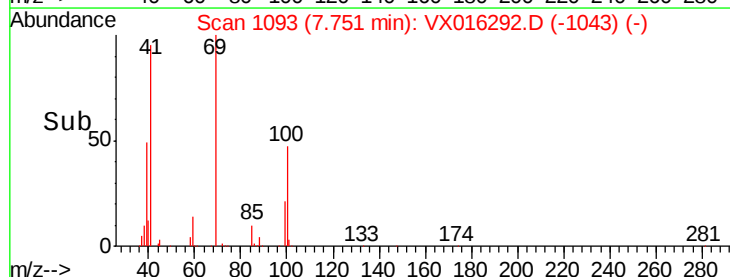
41 100

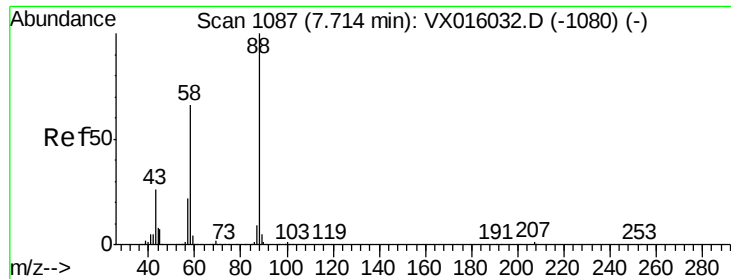
69 89.9 67.8 101.6

39 52.2 44.6 67.0



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

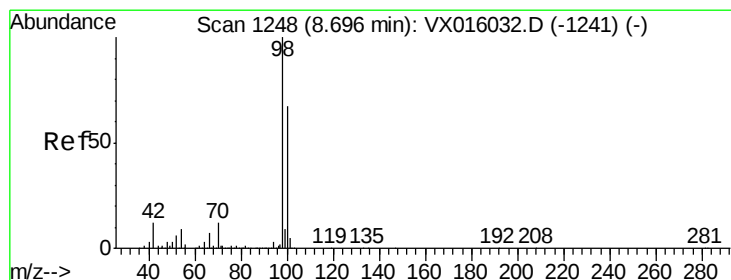
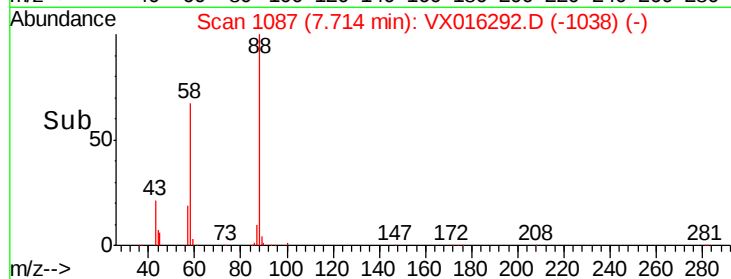
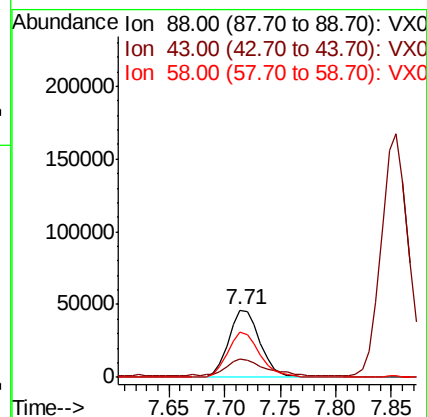
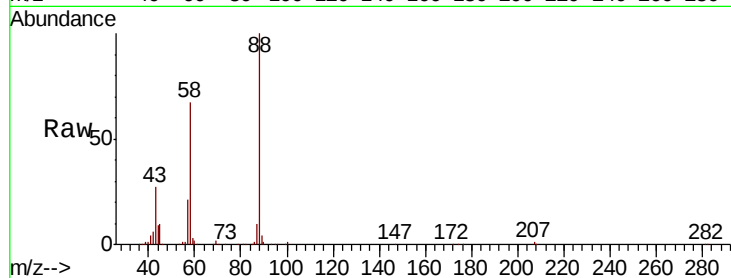




#49
 1,4-Dioxane
 Concen: 1078.180 ug/l
 RT: 7.71 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

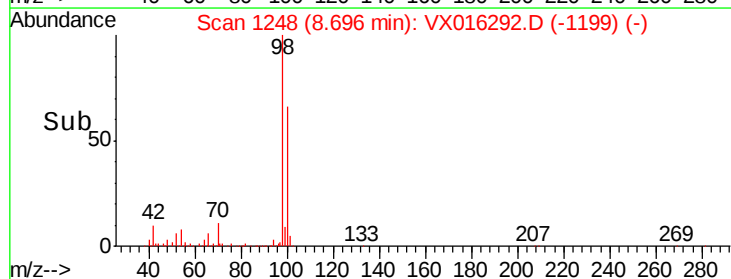
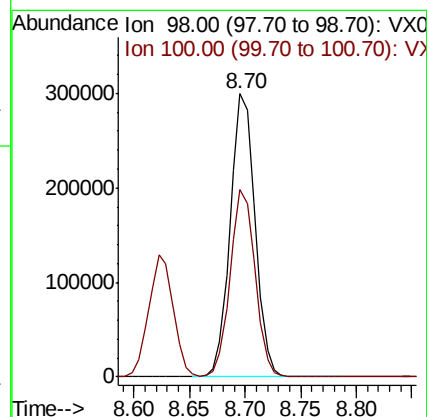
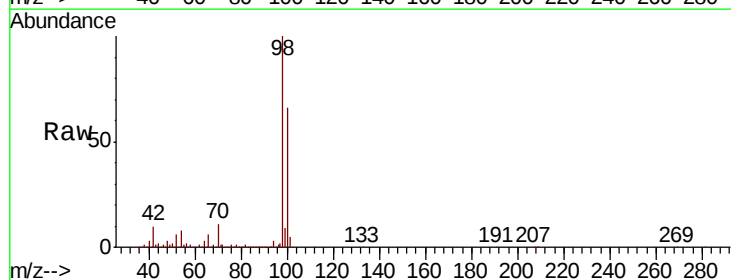
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685MS

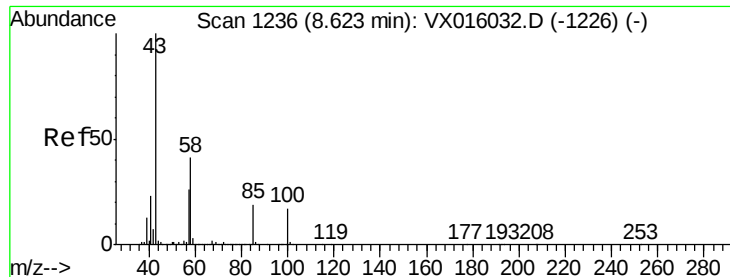
Tot Ion	88	Resp	90554
Ion	Ratio	Lower	Upper
88	100		
43	29.1	25.3	37.9
58	68.7	55.9	83.9



#50
 Toluene-d8
 Concen: 46.617 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Tgt Ion	98	Resp	462001
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 248.290 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

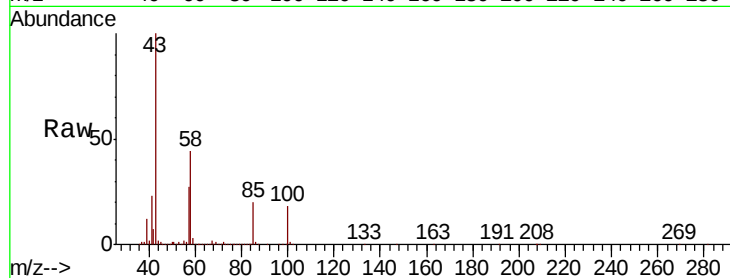
S32-0685MS

Tot Ion: 43 Resp: 1122892

Ion Ratio Lower Upper

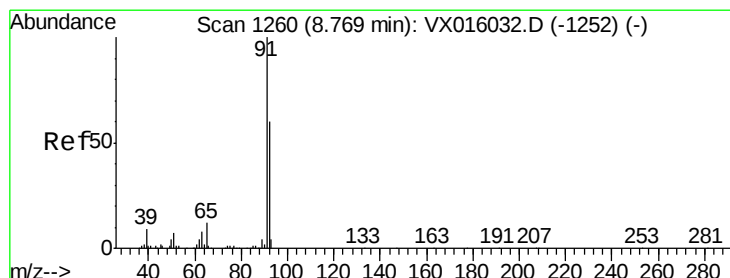
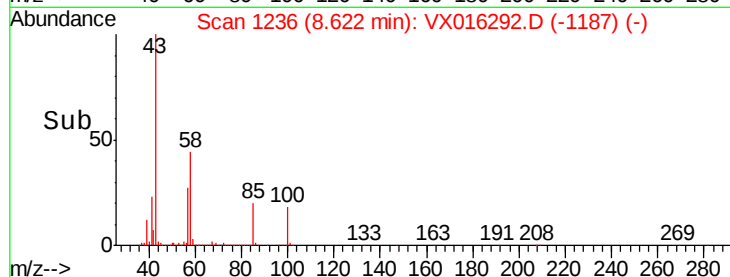
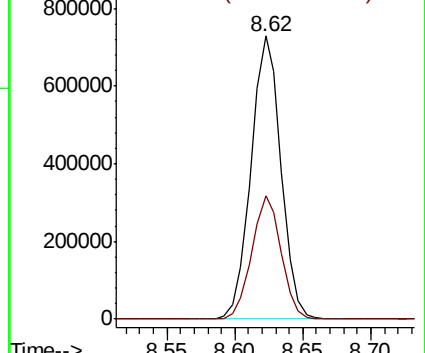
43 100

58 42.9 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.622 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016292.D

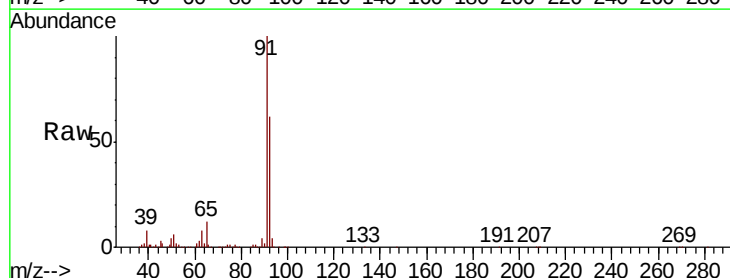
Acq: 15 May 2020 19:36

Tgt Ion: 92 Resp: 347094

Ion Ratio Lower Upper

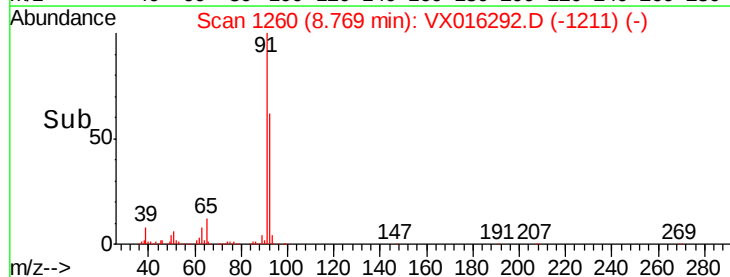
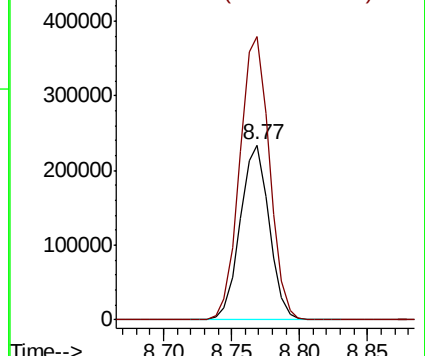
92 100

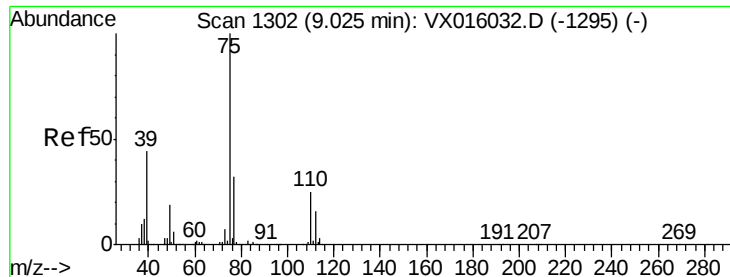
91 166.7 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 45.530 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

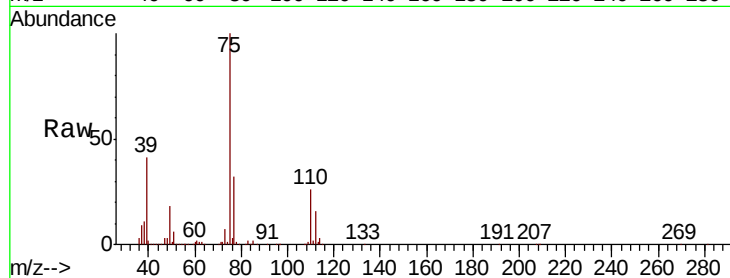
S32-0685MS

Tot Ion: 75 Resp: 222305

Ion Ratio Lower Upper

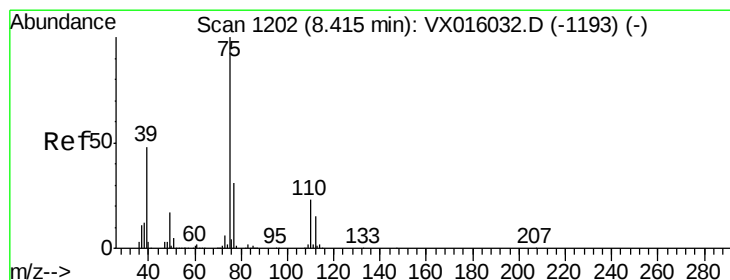
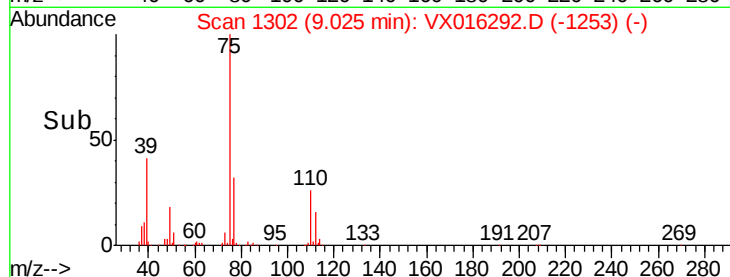
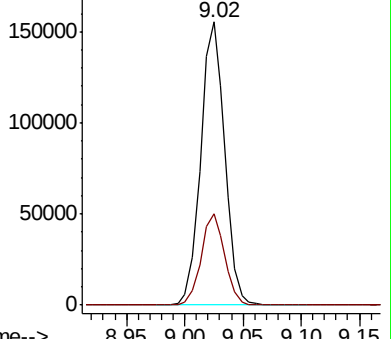
75 100

77 32.1 25.7 38.5



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: 45.751 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

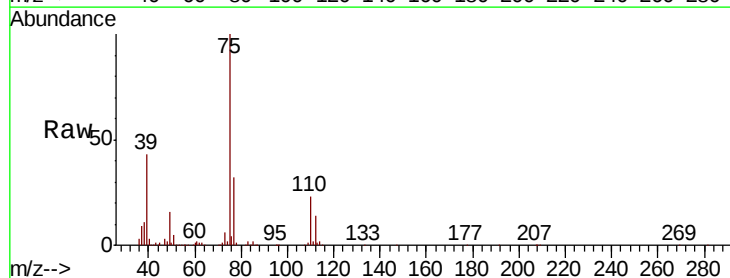
Tgt Ion: 75 Resp: 233329

Ion Ratio Lower Upper

75 100

77 32.2 24.7 37.1

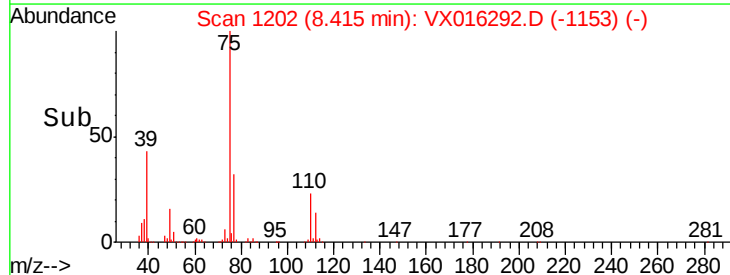
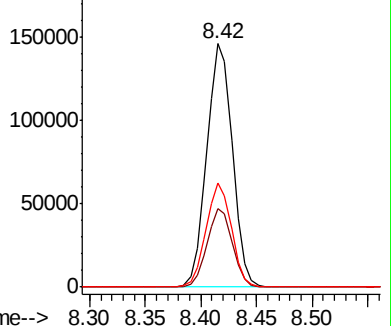
39 42.5 38.7 58.1

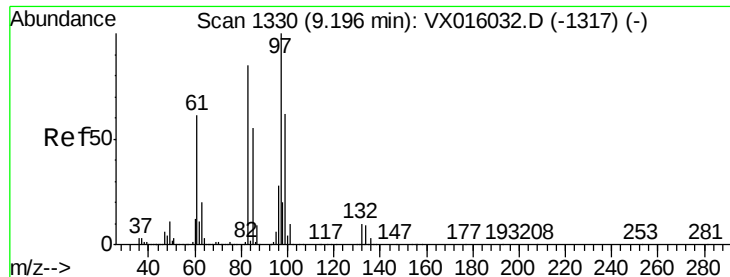


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

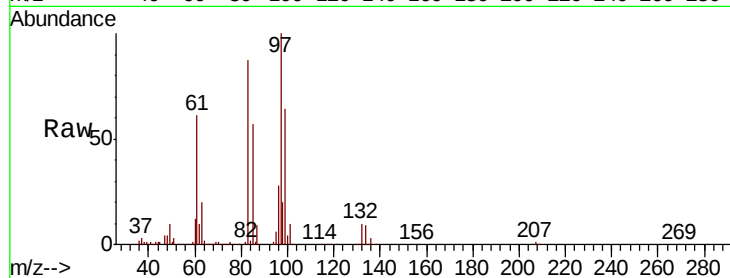




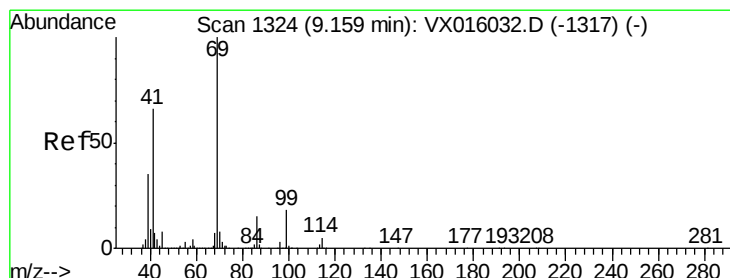
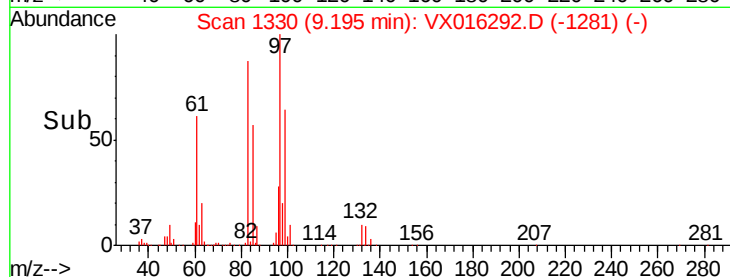
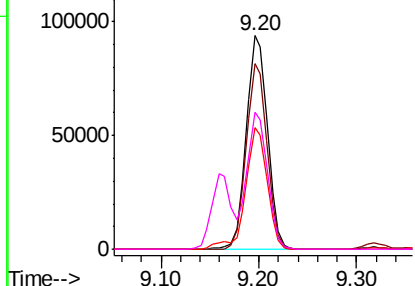
#55
 1,1,2-Trichloroethane
 Concen: 49.445 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685MS

Tot Ion:	97	Resp:	141787
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.8	101.8
85	56.8	43.8	65.8
99	64.1	49.4	74.0

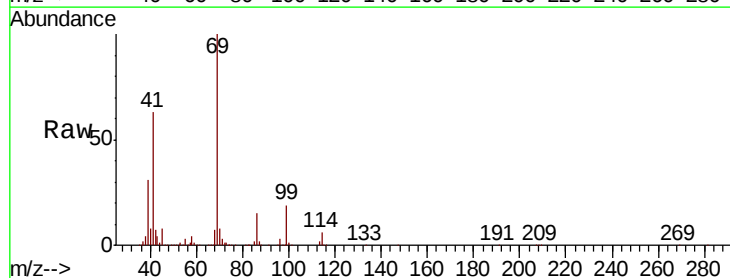


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

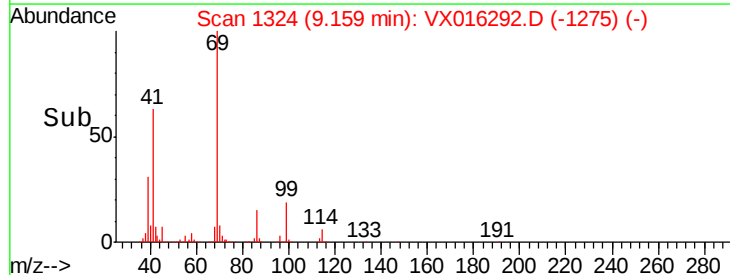
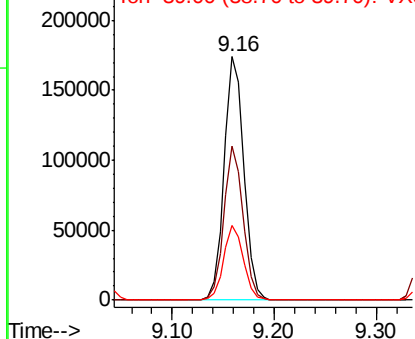


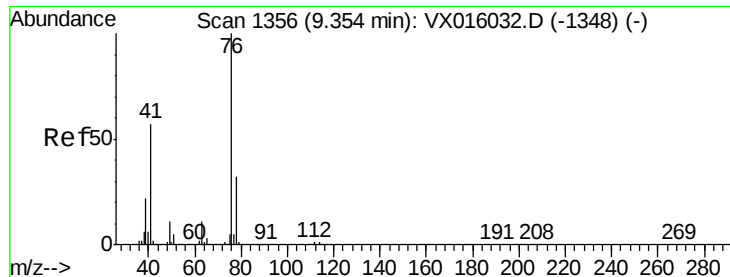
#56
 Ethyl methacrylate
 Concen: 49.981 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Tgt Ion:	69	Resp:	233953
Ion	Ratio	Lower	Upper
69	100		
41	61.5	52.2	78.4
39	30.6	28.2	42.4



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





#57

1,3-Dichloropropane

Concen: 48.757 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

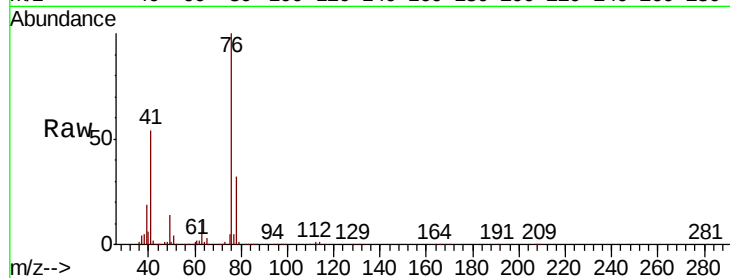
S32-0685MS

Tot Ion: 76 Resp: 243964

Ion Ratio Lower Upper

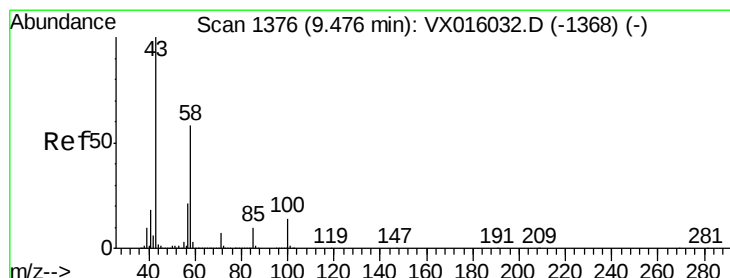
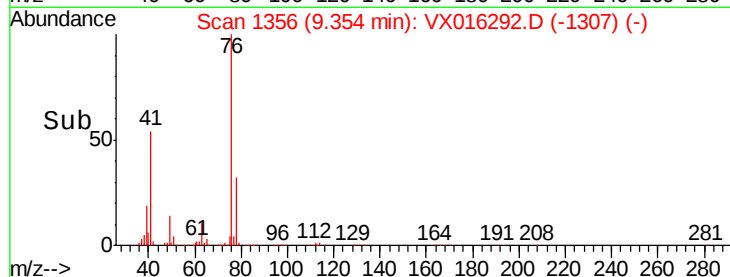
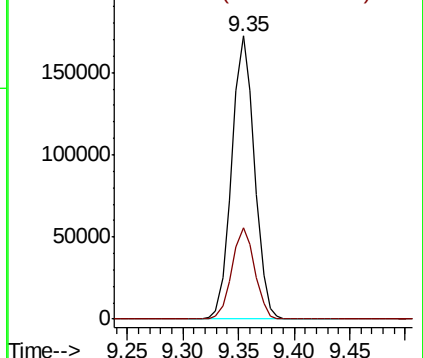
76 100

78 32.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 248.384 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX016292.D

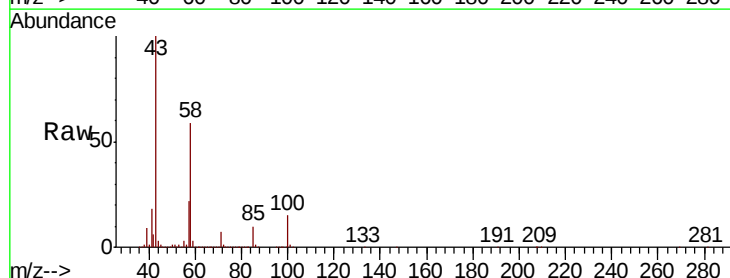
Acq: 15 May 2020 19:36

Tgt Ion: 43 Resp: 882168

Ion Ratio Lower Upper

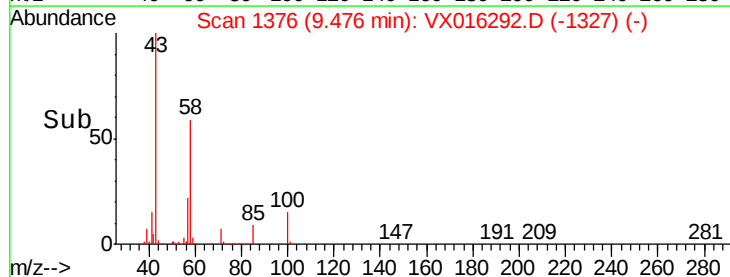
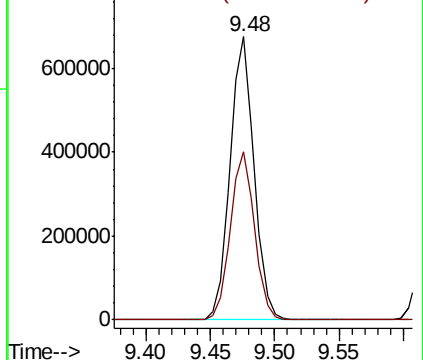
43 100

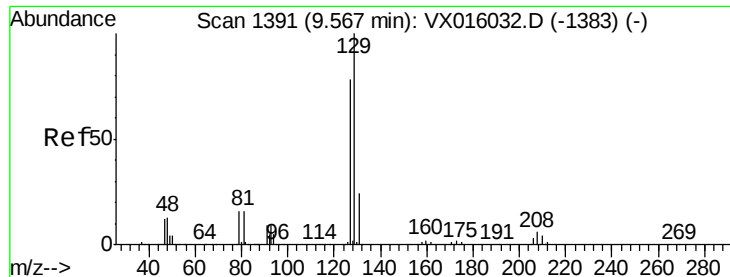
58 60.1 28.6 85.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 50.117 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

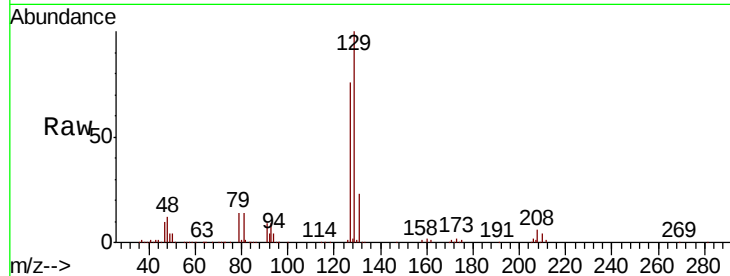
S32-0685MS

Tot Ion:129 Resp: 158280

Ion Ratio Lower Upper

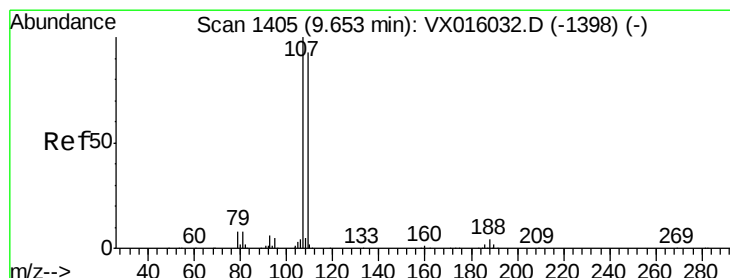
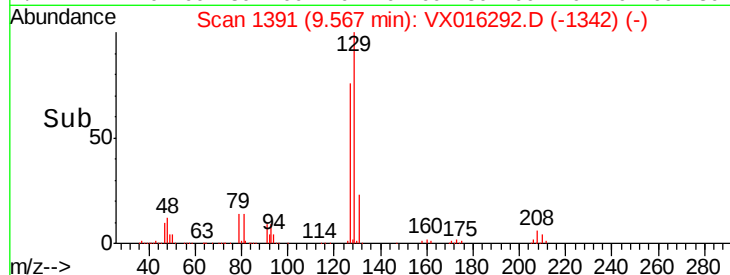
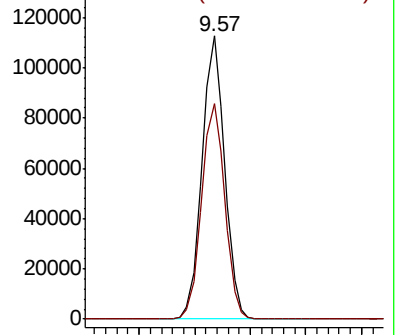
129 100

127 78.1 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.629 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016292.D

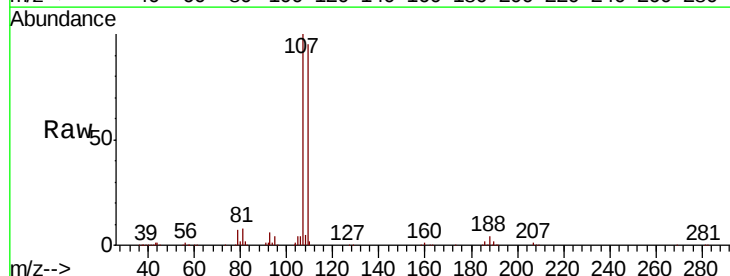
Acq: 15 May 2020 19:36

Tgt Ion:107 Resp: 151048

Ion Ratio Lower Upper

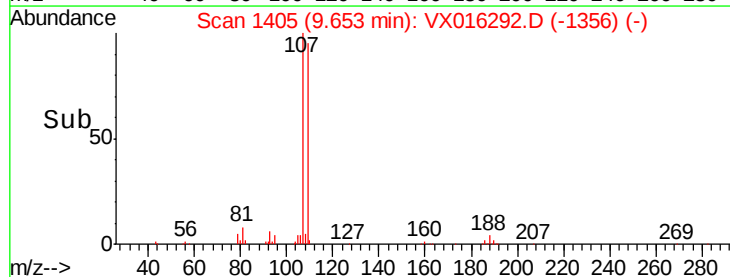
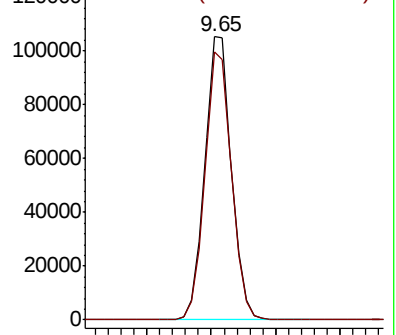
107 100

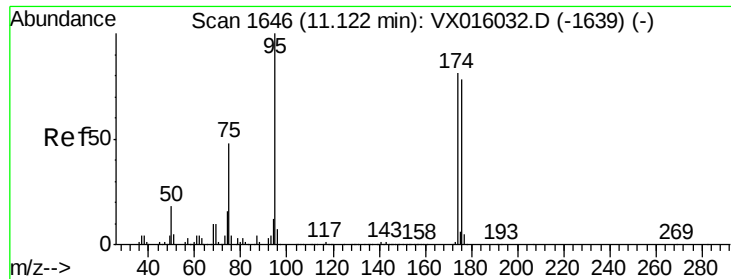
109 94.7 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

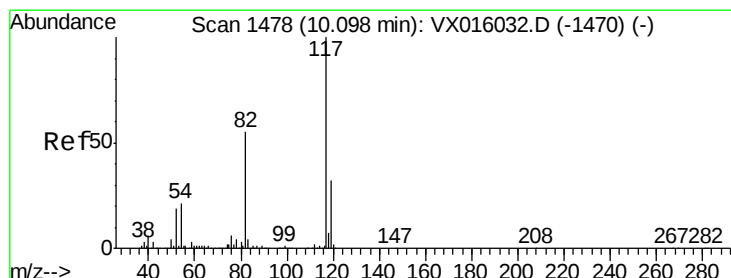
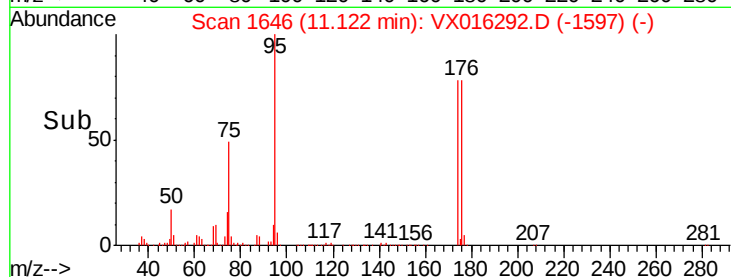
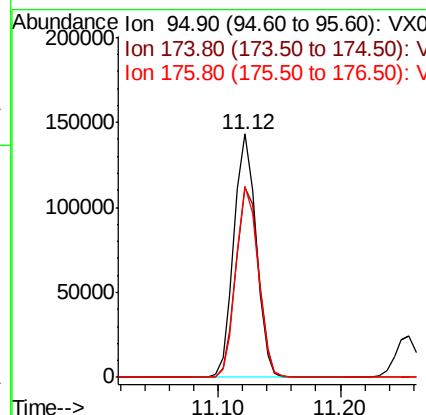
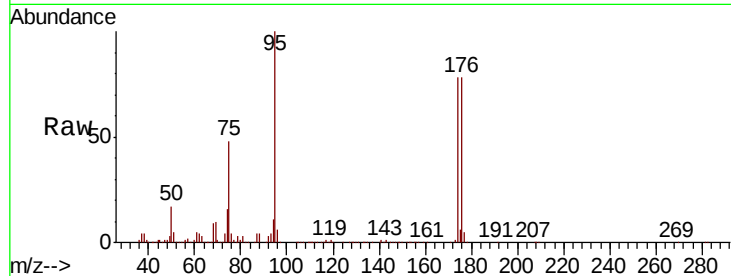




#62
4-Bromofluorobenzene
Concen: 47.645 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

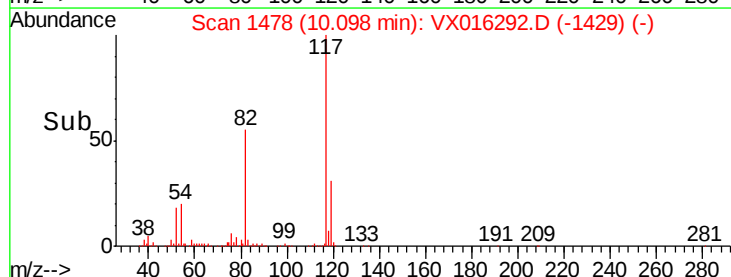
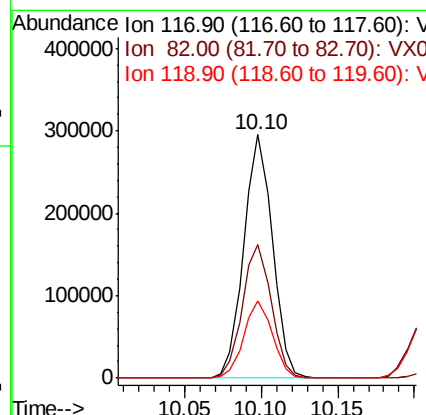
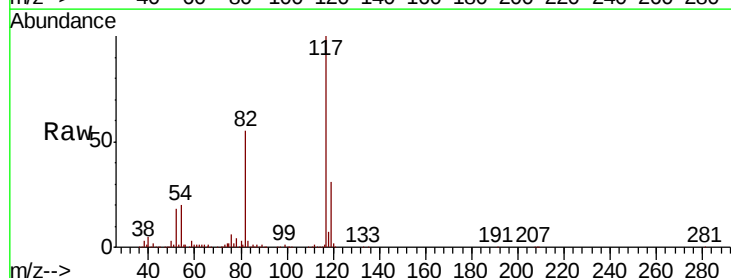
Instrument :
MSVOA_X
ClientSampleId :
S32-0685MS

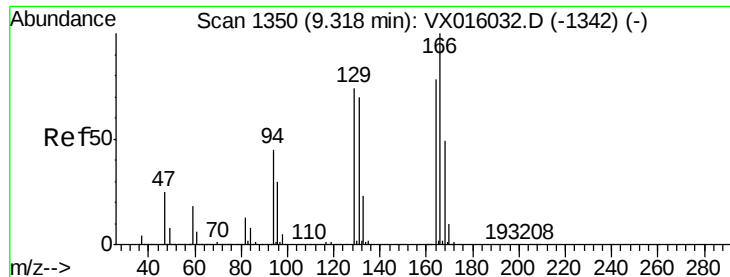
Tot Ion	95	Resp	179599
Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	159.4
176	78.3	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion	117	Resp	383405
Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.4	66.6
119	31.5	25.5	38.3

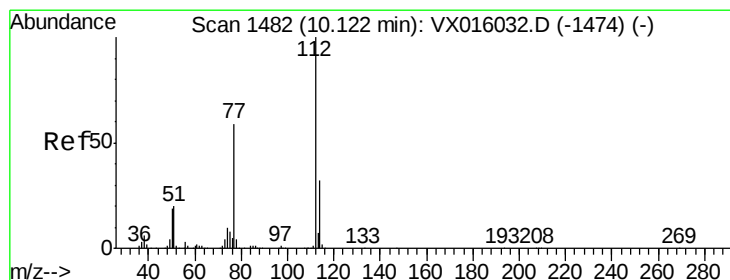
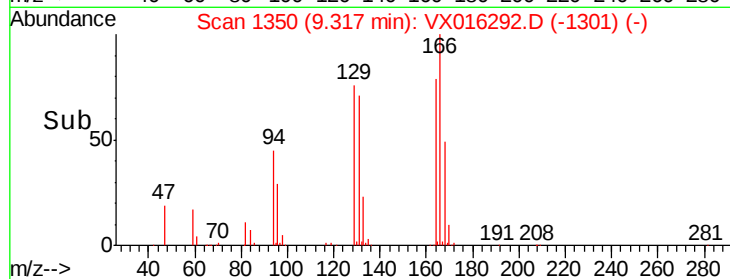
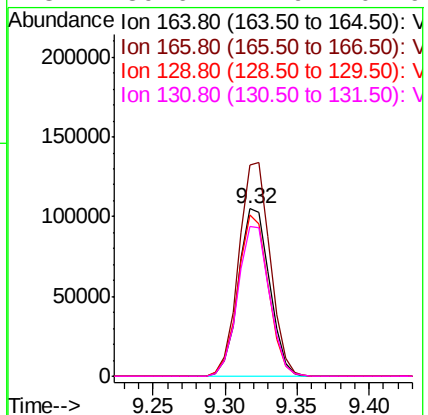
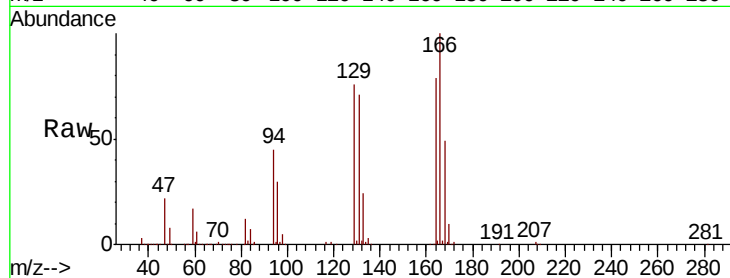




#64
Tetrachloroethene
Concen: 33.558 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

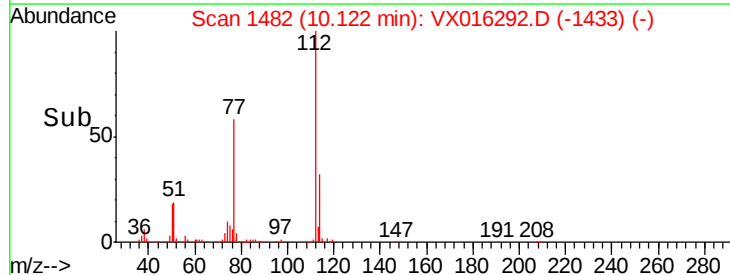
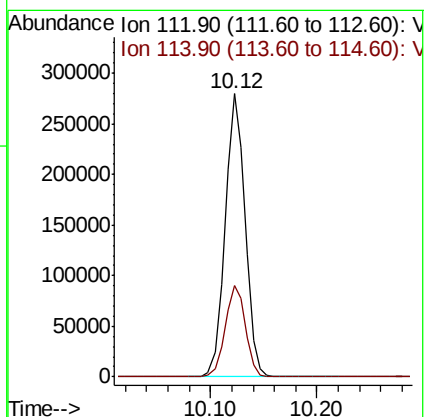
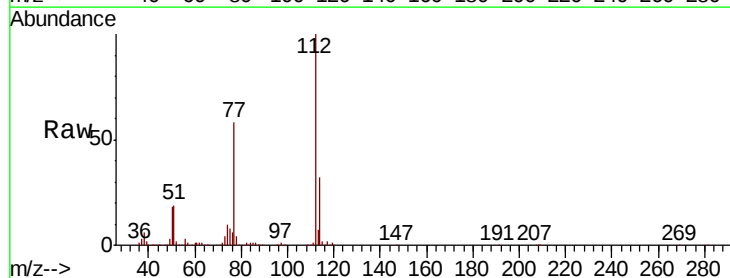
Instrument :
MSVOA_X
ClientSampled :
S32-0685MS

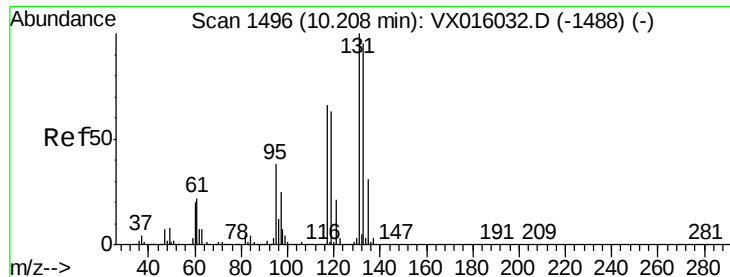
Tot Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.9	154.3
129	96.2	76.1	114.1
131	89.6	71.9	107.9



#65
Chlorobenzene
Concen: 45.655 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5





#66

1,1,1,2-Tetrachloroethane

Concen: 47.644 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

S32-0685MS

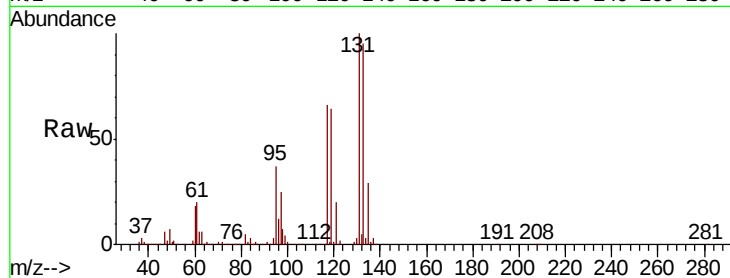
Tot Ion:131 Resp: 141373

Ion Ratio Lower Upper

131 100

133 94.7 48.3 144.8

119 64.0 32.3 96.9

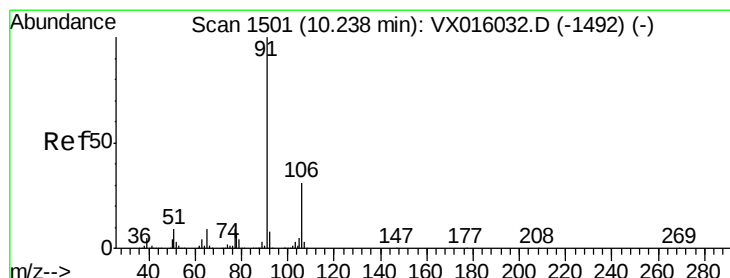
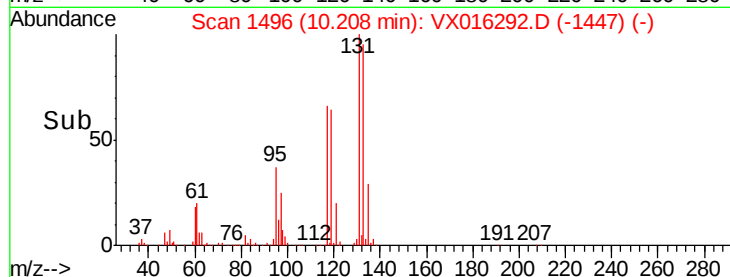
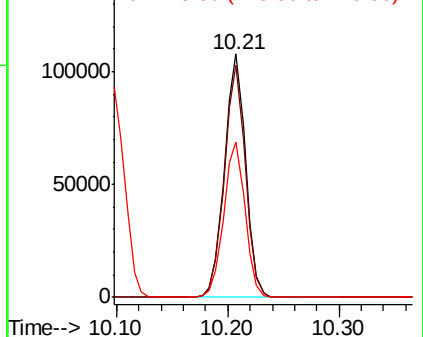


Abundance

Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 45.120 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016292.D

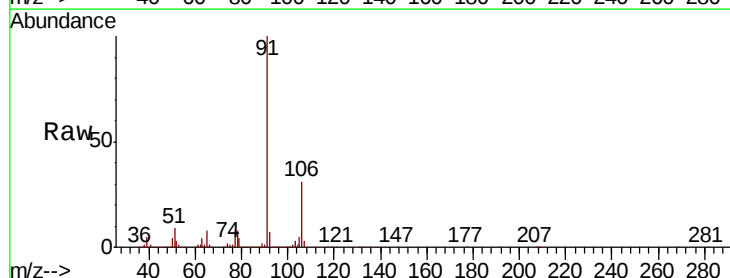
Acq: 15 May 2020 19:36

Tgt Ion: 91 Resp: 646302

Ion Ratio Lower Upper

91 100

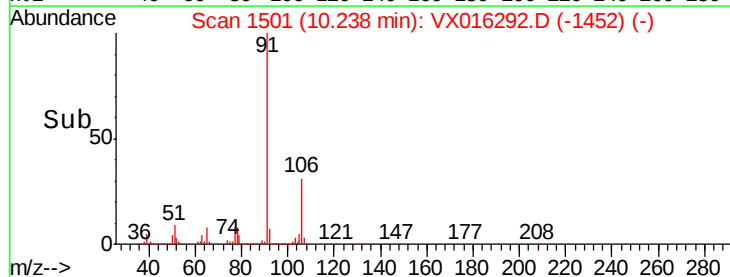
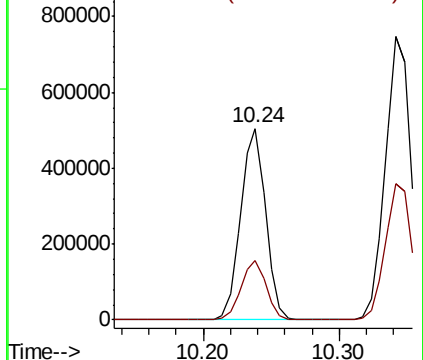
106 30.9 25.1 37.7

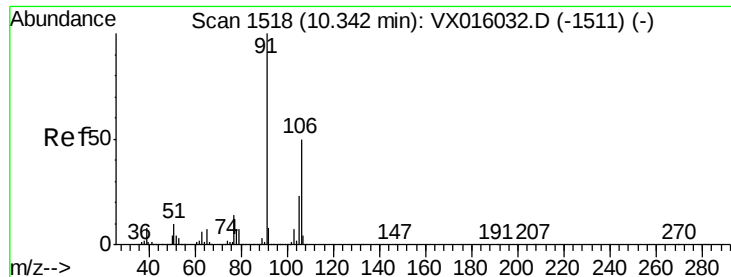


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 90.582 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

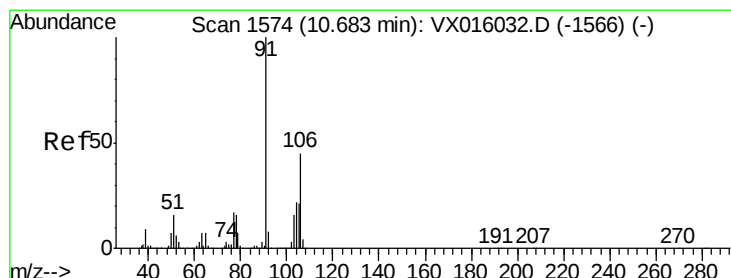
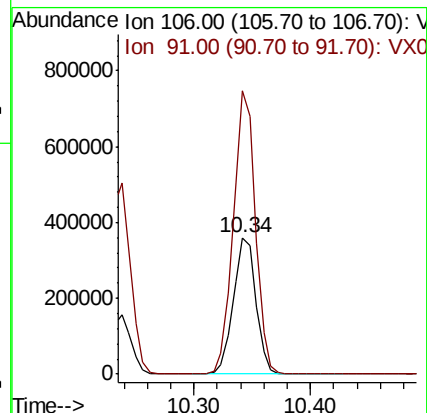
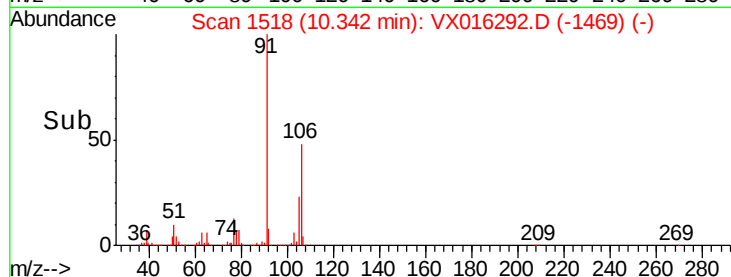
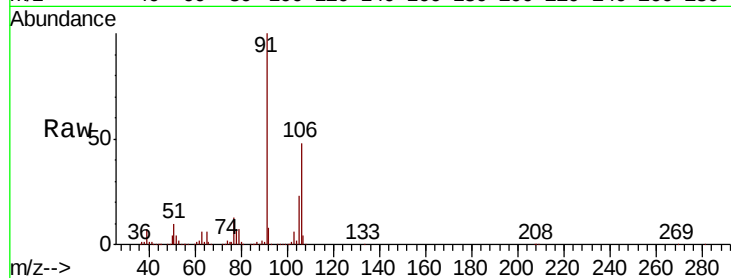
S32-0685MS

Tot Ion:106 Resp: 486125

Ion Ratio Lower Upper

106 100

91 203.3 161.7 242.5



#69

o-Xylene

Concen: 45.967 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX016292.D

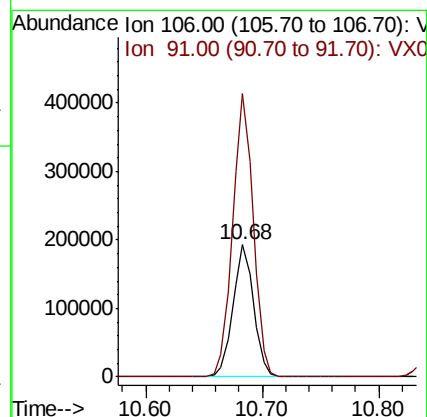
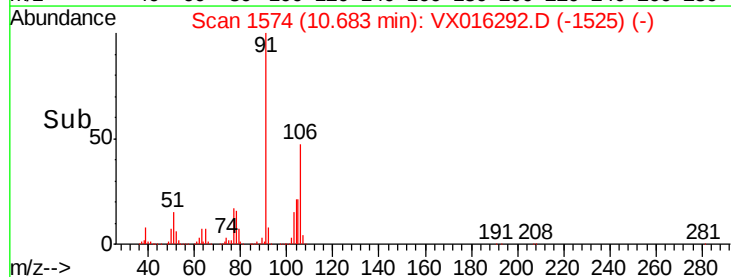
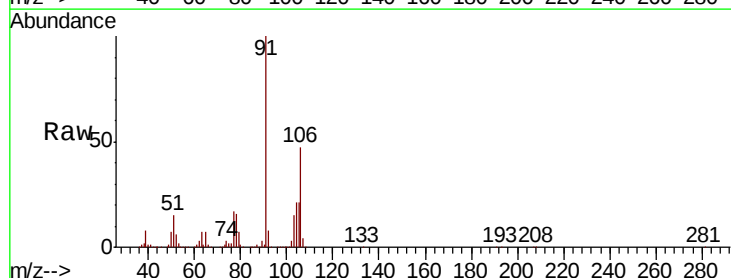
Acq: 15 May 2020 19:36

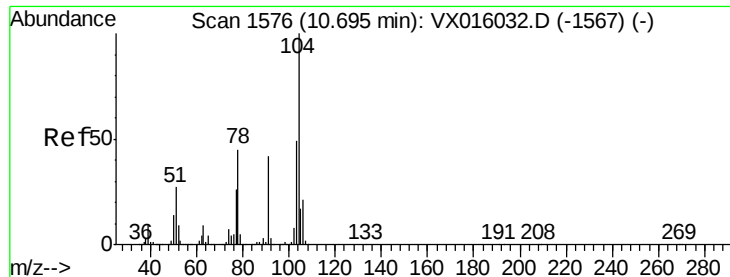
Tgt Ion:106 Resp: 237130

Ion Ratio Lower Upper

106 100

91 214.4 107.5 322.6

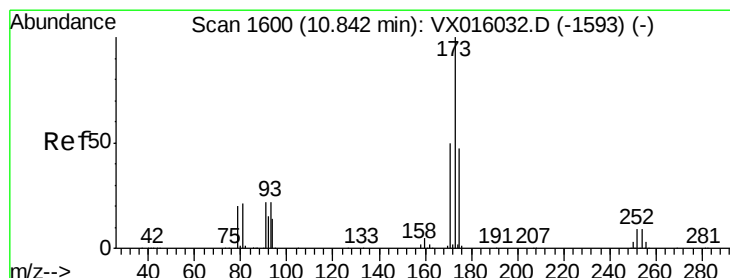
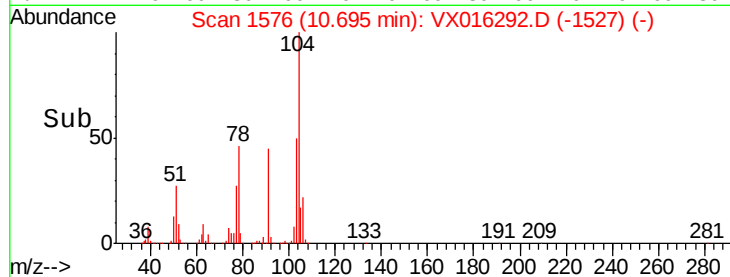
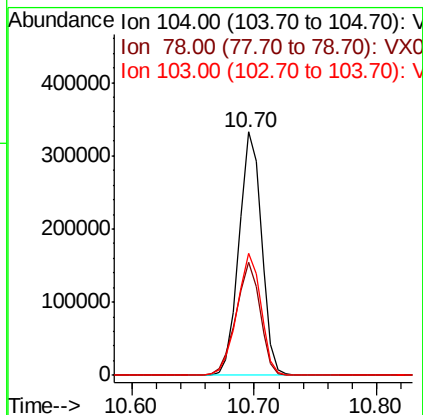
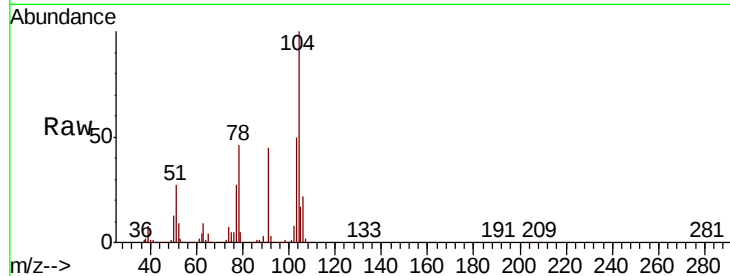




#70
Stvrene
Concen: 48.233 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

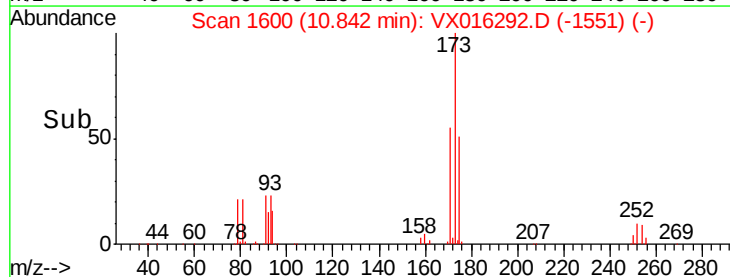
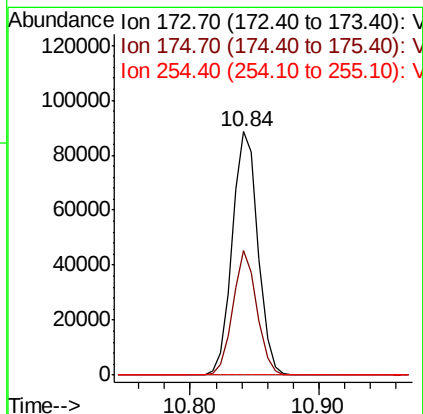
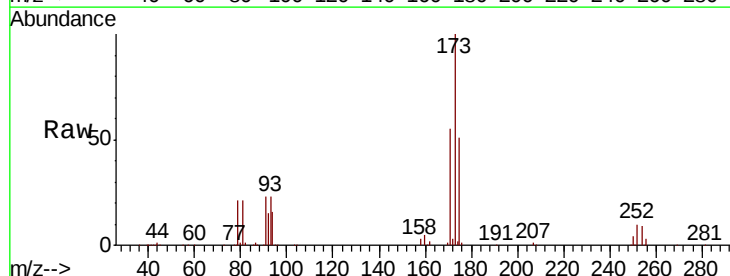
Instrument :
MSVOA_X
ClientSampleId :
S32-0685MS

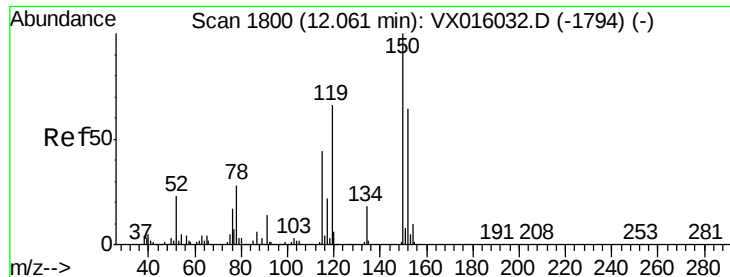
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.7	40.2	60.2
103	53.6	43.0	64.6



#71
Bromoform
Concen: 50.853 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.0	72.0
254	0.1	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

S32-0685MS

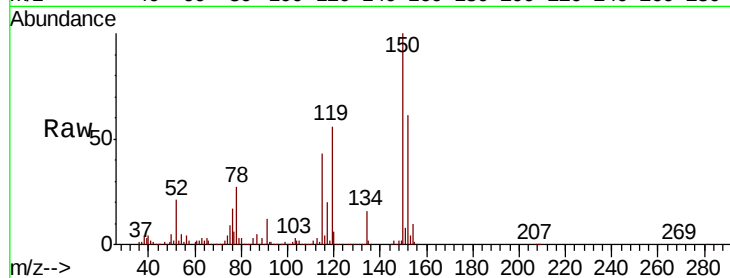
Tot Ion:152 Resp: 182682

Ion Ratio Lower Upper

152 100

115 78.7 41.3 124.1

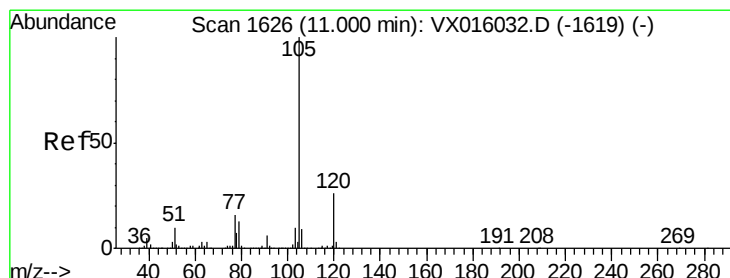
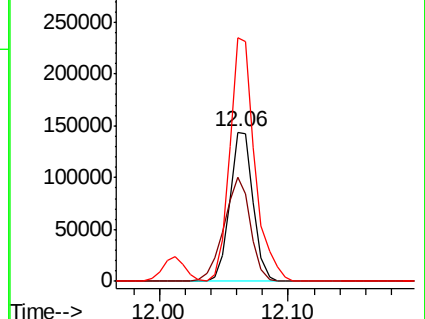
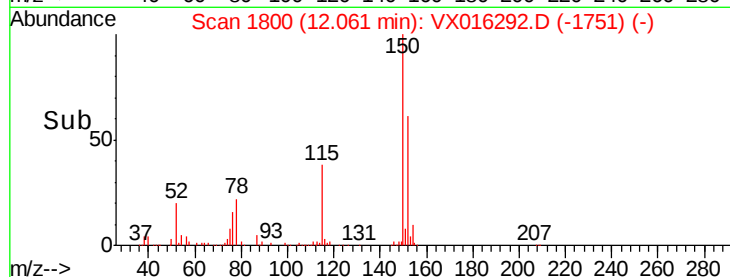
150 174.7 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 45.198 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016292.D

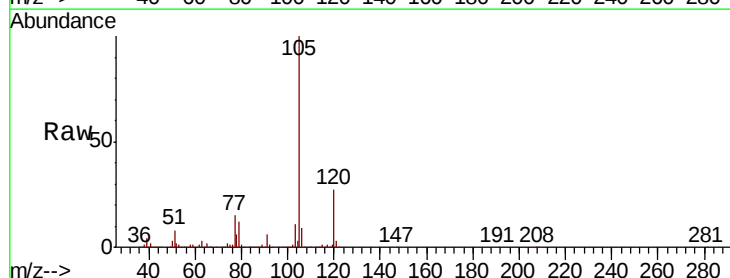
Acq: 15 May 2020 19:36

Tgt Ion:105 Resp: 600563

Ion Ratio Lower Upper

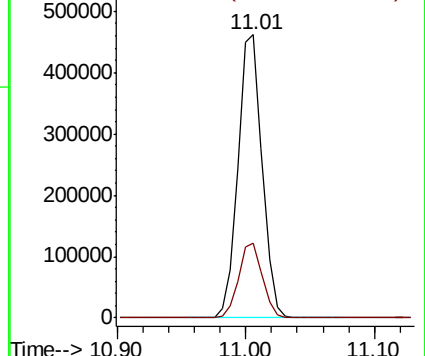
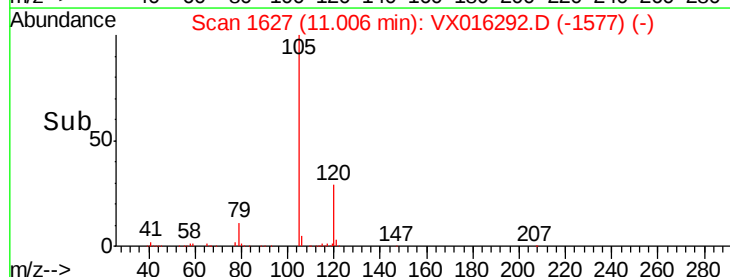
105 100

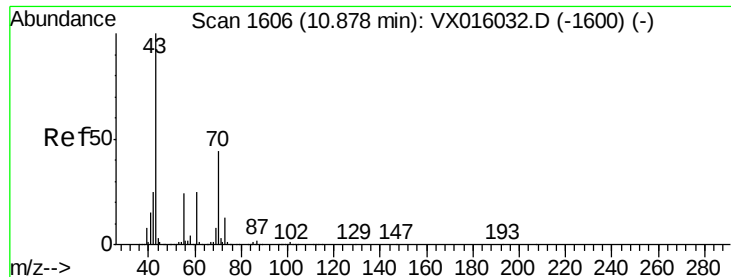
120 26.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.923 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

S32-0685MS

Tot Ion: 43 Resp: 284619

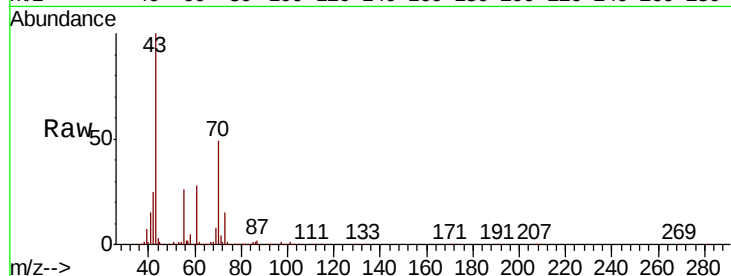
Ion Ratio Lower Upper

43 100

70 47.2 36.5 54.7

55 26.1 19.7 29.5

61 27.0 20.9 31.3

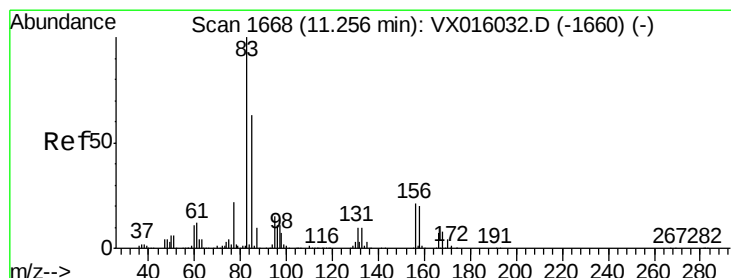
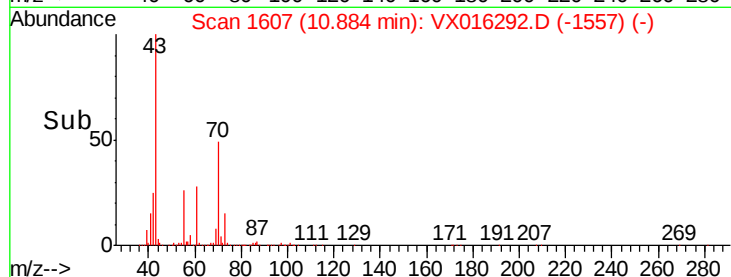
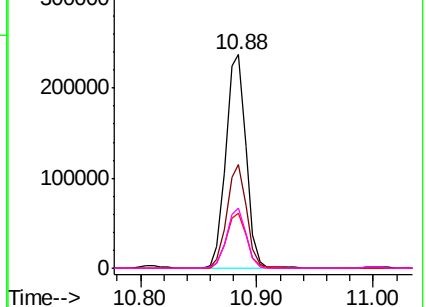


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 72.013 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

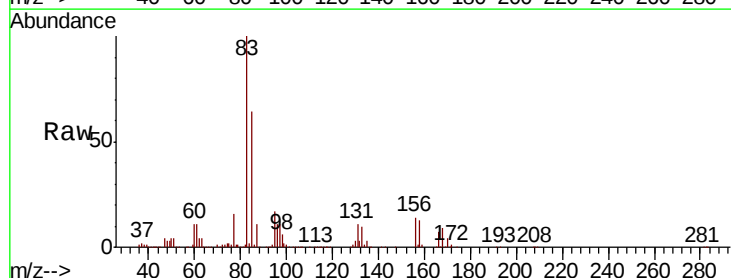
Tgt Ion: 83 Resp: 198182

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

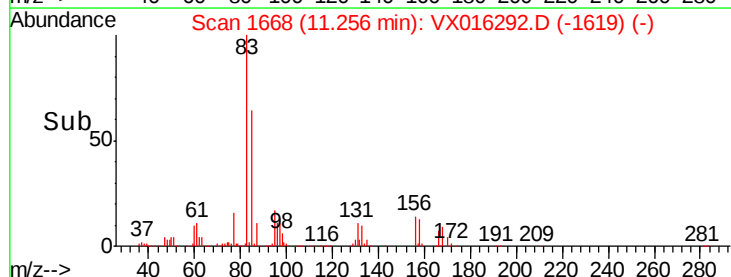
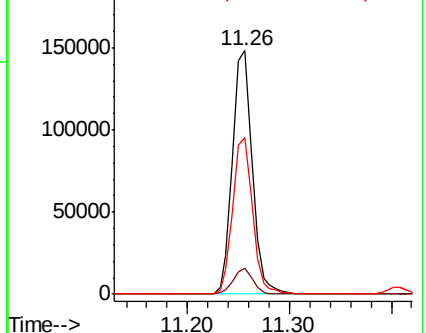
85 64.3 32.0 96.0

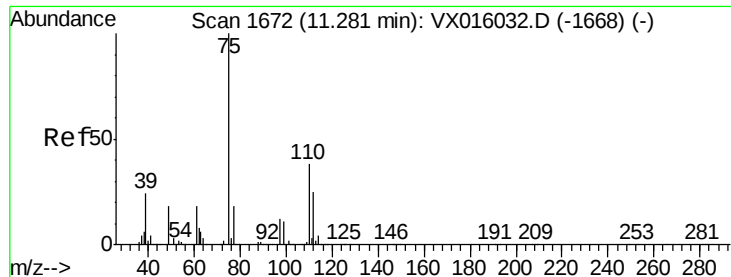


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 66.786 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

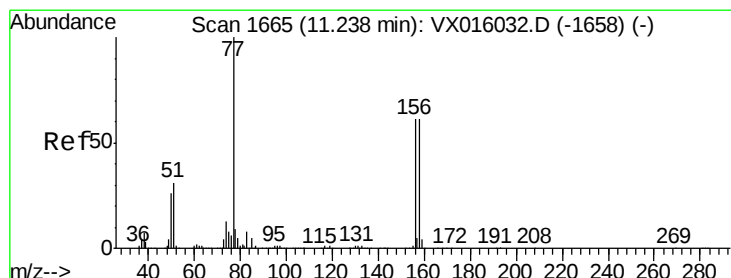
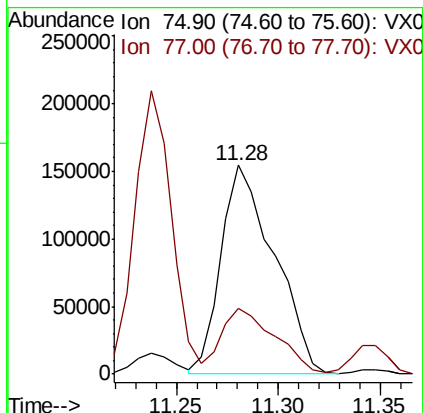
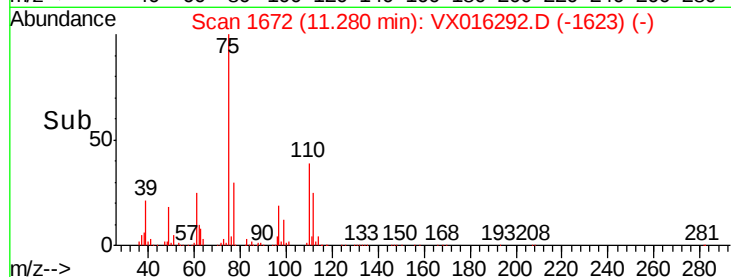
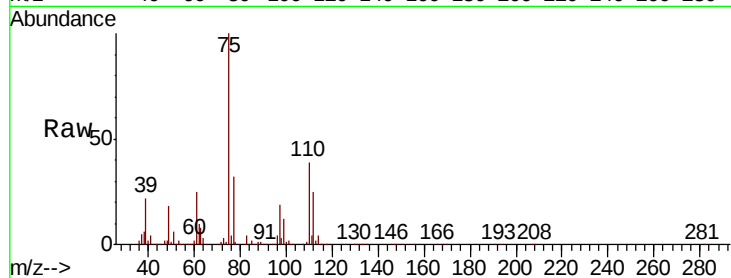
S32-0685MS

Tot Ion: 75 Resp: 276862

Ion Ratio Lower Upper

75 100

77 32.0 21.2 63.6



#77

Bromobenzene

Concen: 46.975 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

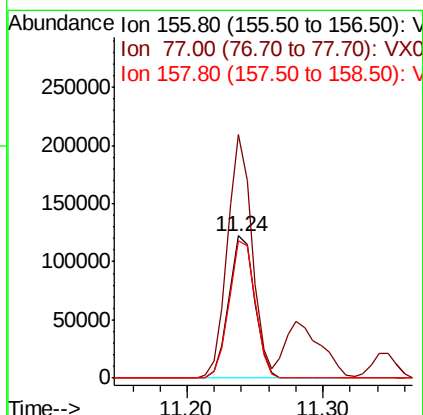
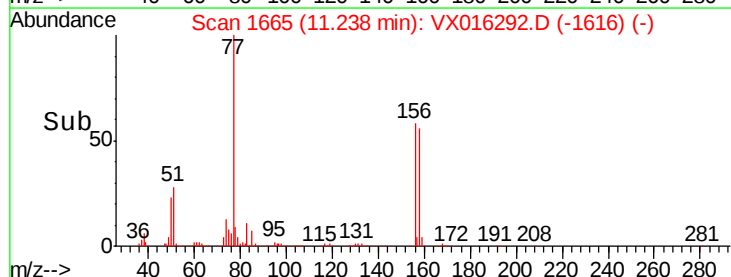
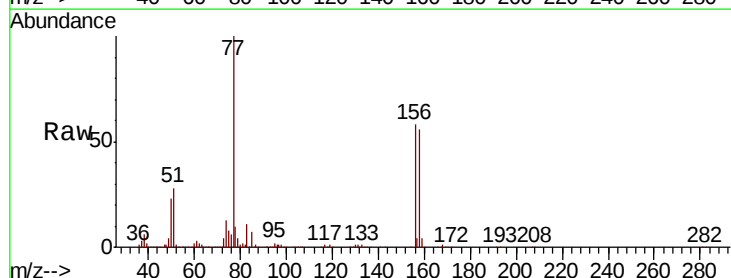
Tgt Ion: 156 Resp: 161109

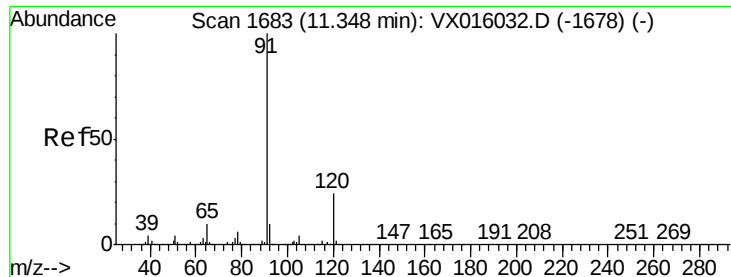
Ion Ratio Lower Upper

156 100

77 163.6 80.1 240.3

158 97.3 49.4 148.2





#78

n-propylbenzene

Concen: 43.678 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

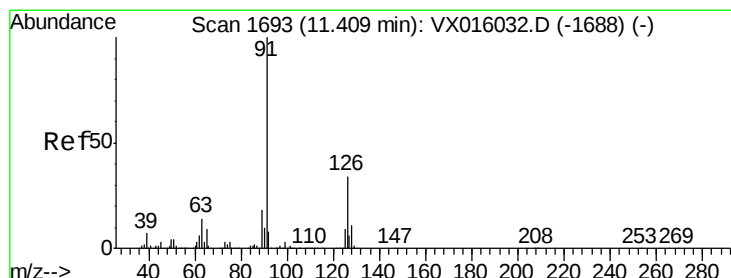
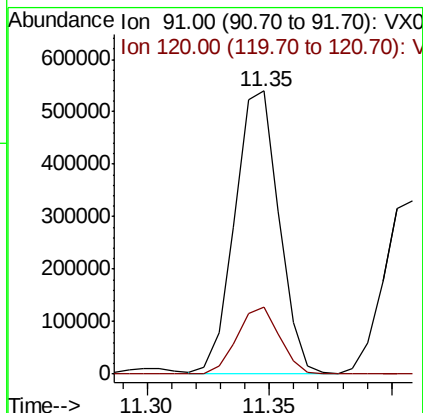
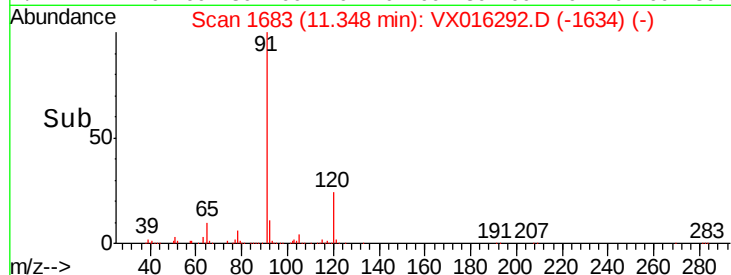
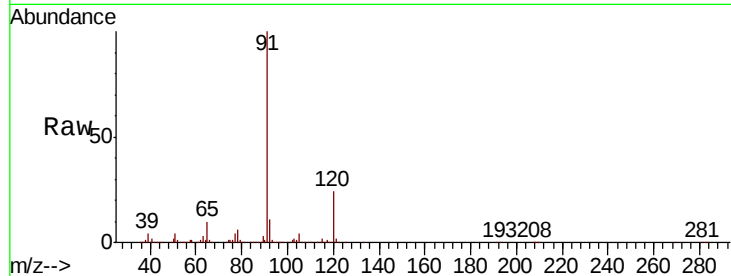
S32-0685MS

Tot Ion: 91 Resp: 675156

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.5



#79

2-Chlorotoluene

Concen: 46.180 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VX016292.D

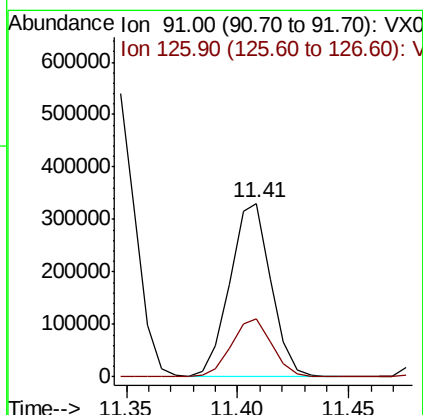
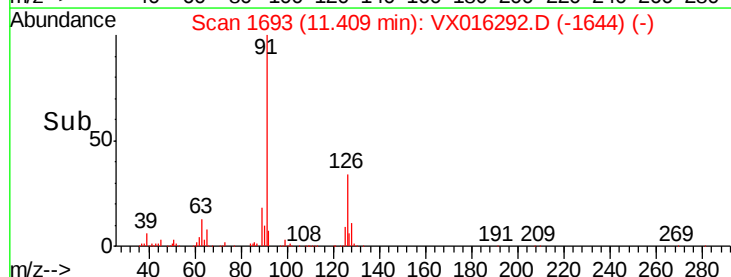
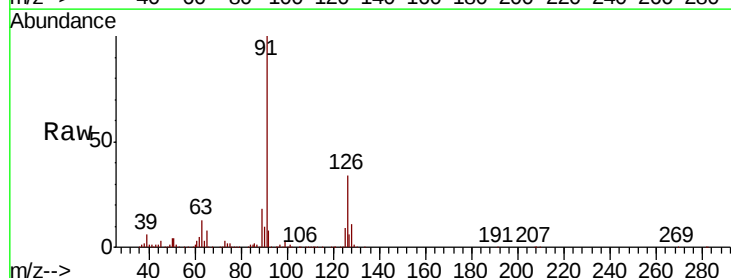
Acq: 15 May 2020 19:36

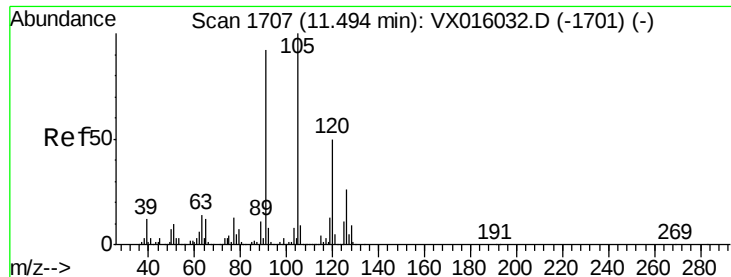
Tgt Ion: 91 Resp: 421354

Ion Ratio Lower Upper

91 100

126 33.5 16.9 50.6





#80

1,3,5-Trimethylbenzene

Concen: 44.165 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

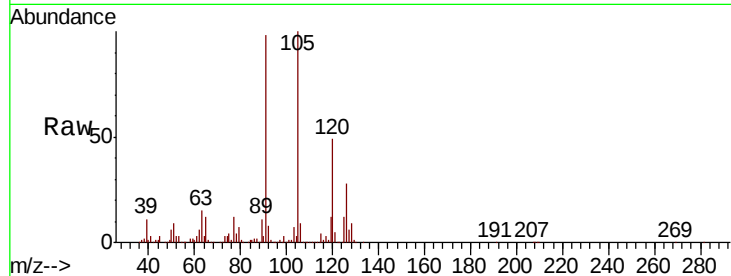
S32-0685MS

Tot Ion:105 Resp: 495475

Ion Ratio Lower Upper

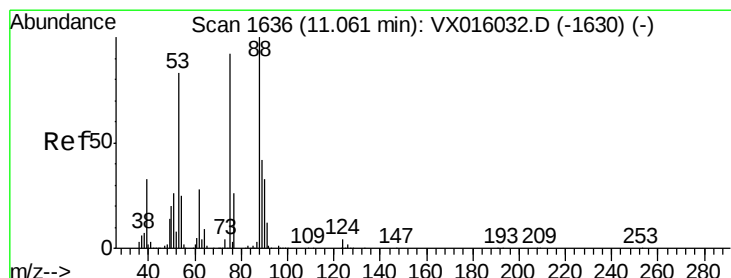
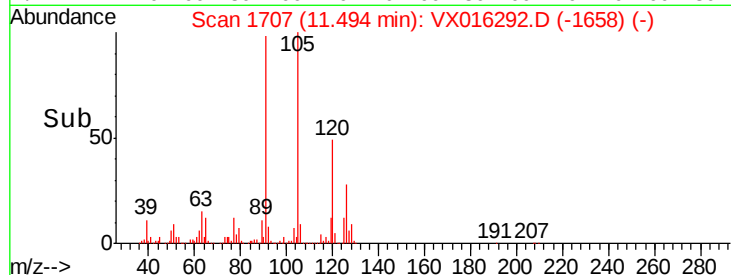
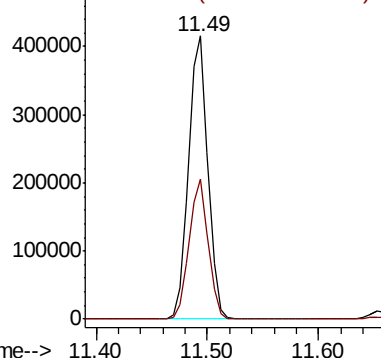
105 100

120 48.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 45.837 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

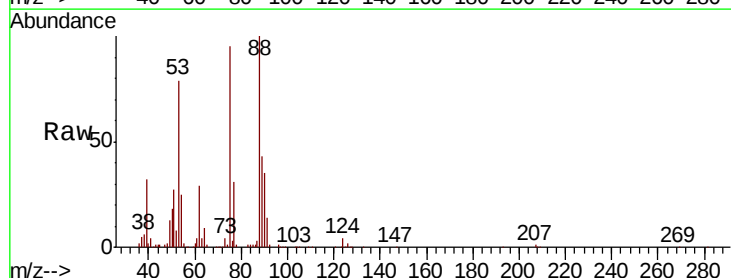
Tgt Ion: 75 Resp: 79735

Ion Ratio Lower Upper

75 100

53 85.1 73.1 109.7

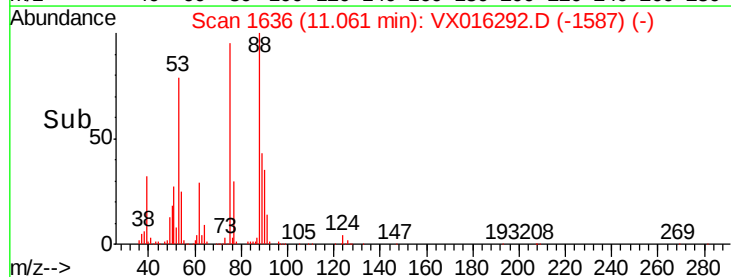
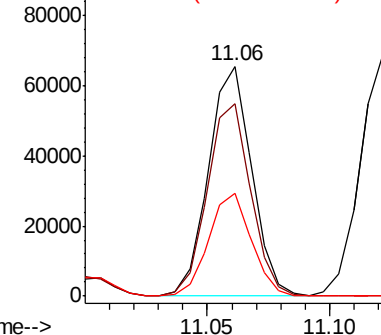
89 45.0 36.7 55.1

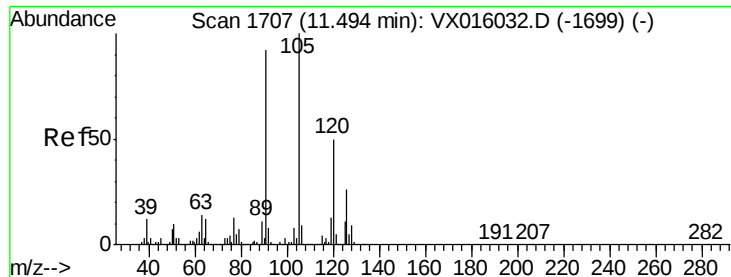


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

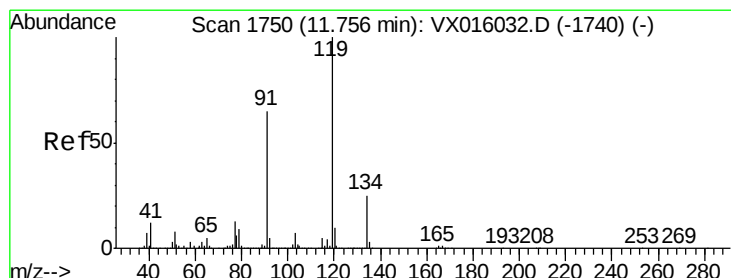
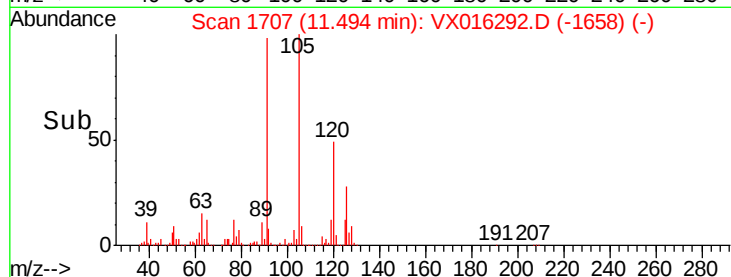
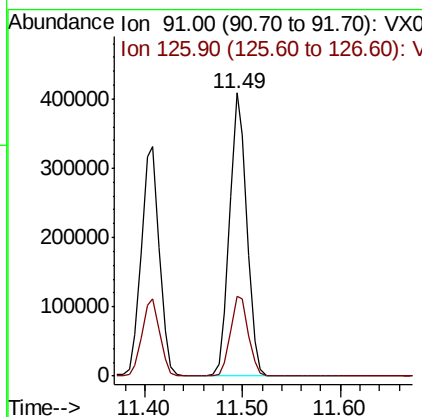
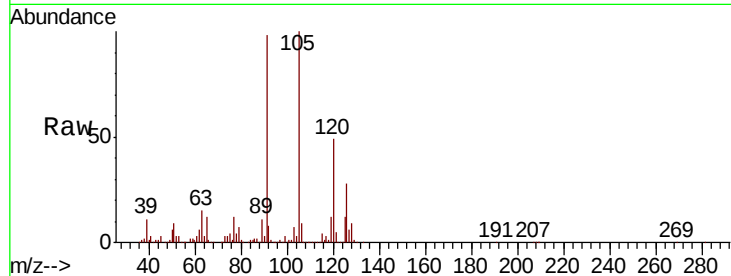




#82
4-Chlorotoluene
Concen: 46.419 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

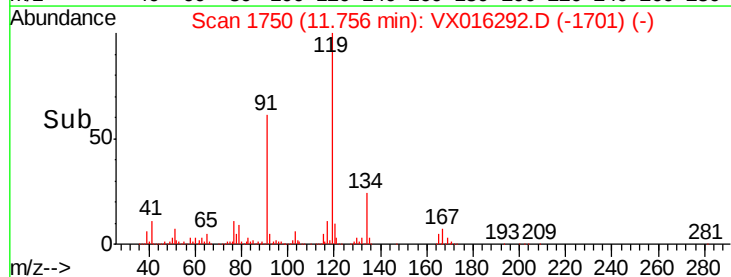
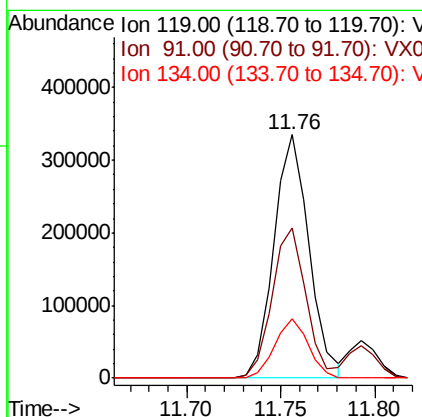
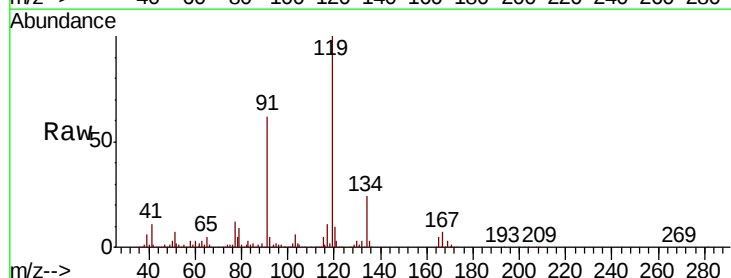
Instrument :
MSVOA_X
ClientSampleId :
S32-0685MS

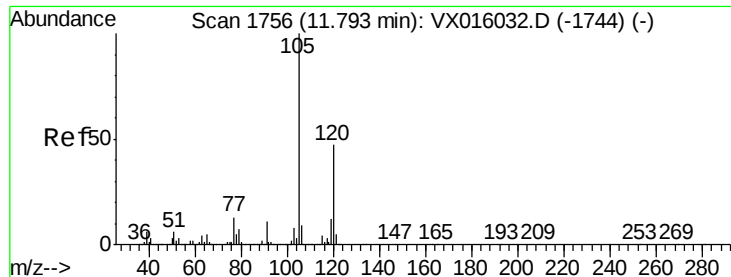
Tot Ion: 91 Resp: 500150
Ion Ratio Lower Upper
91 100
126 29.3 14.8 44.3



#83
tert-Butylbenzene
Concen: 44.793 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion: 119 Resp: 433074
Ion Ratio Lower Upper
119 100
91 59.3 32.8 98.4
134 23.5 12.4 37.0

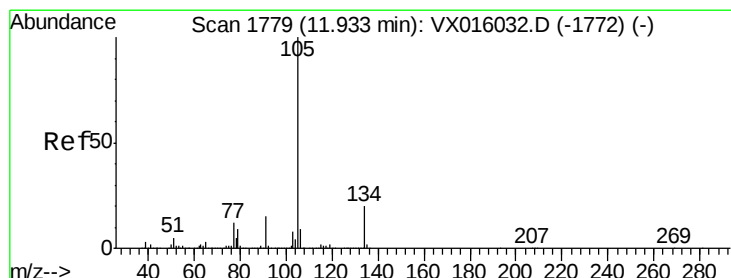
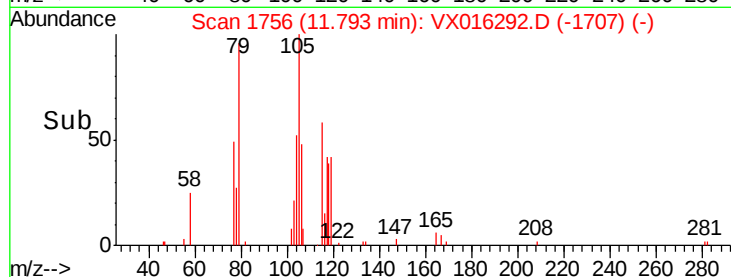
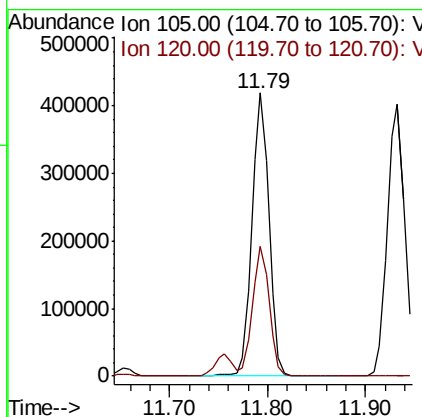
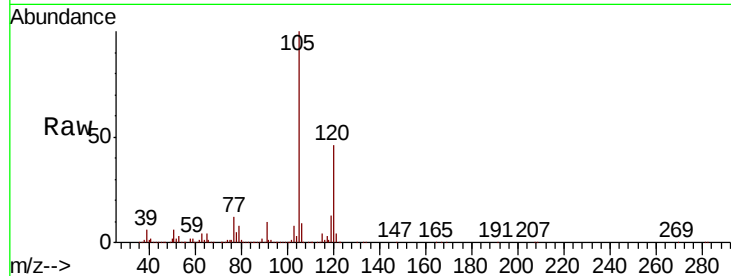




#84
 1,2,4-Trimethylbenzene
 Concen: 44.465 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

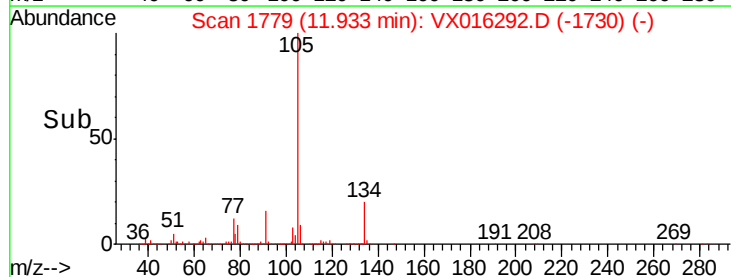
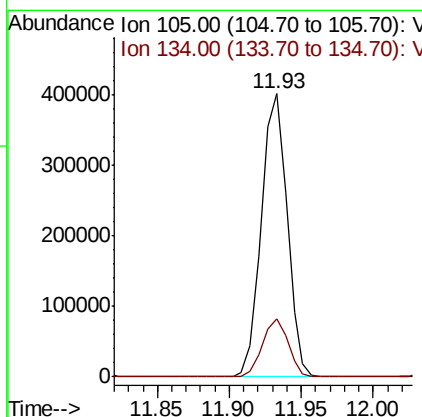
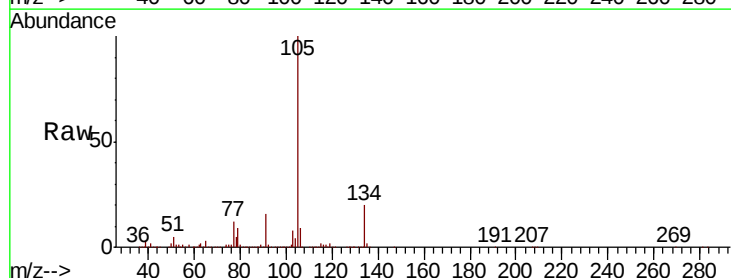
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685MS

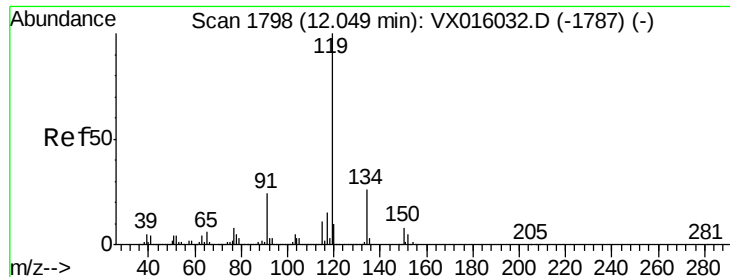
Tot Ion:105 Resp: 504332
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 37.916 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Tgt Ion:105 Resp: 494959
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.1 30.3

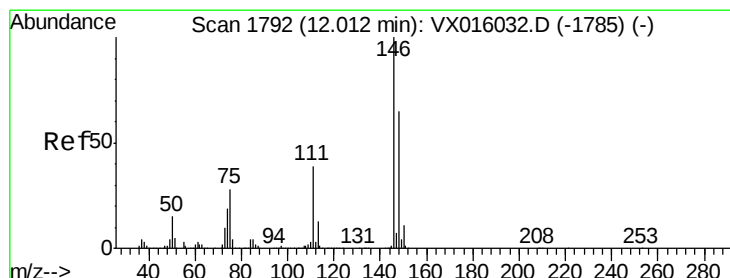
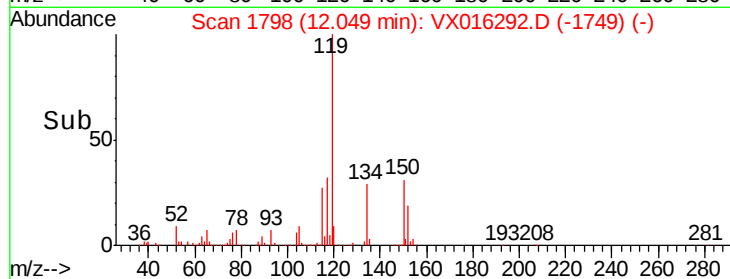
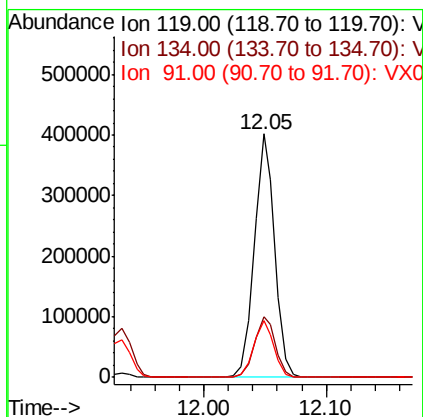
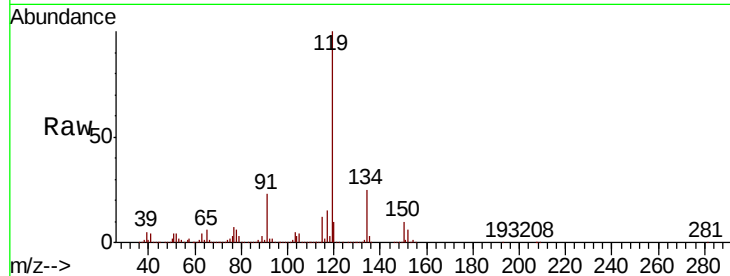




#86
p-Isopropyltoluene
Concen: 38.415 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

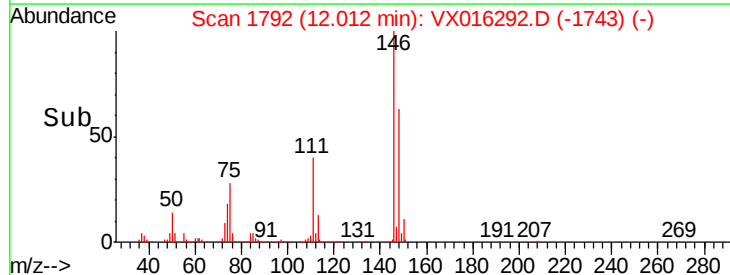
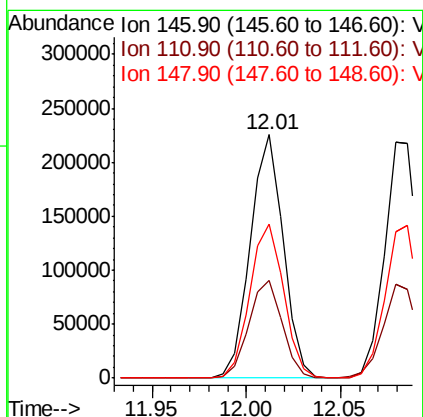
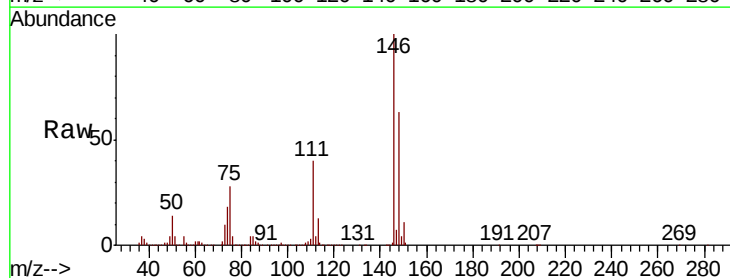
Instrument :
MSVOA_X
ClientSampled :
S32-0685MS

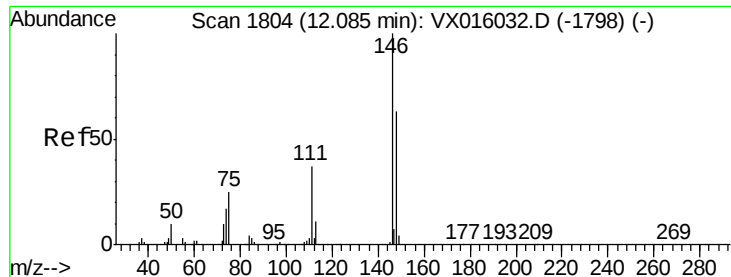
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.3
91	23.1	11.8	35.4



#87
1,3-Dichlorobenzene
Concen: 44.502 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX016292.D
Acq: 15 May 2020 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.2	60.6
148	64.8	32.1	96.3

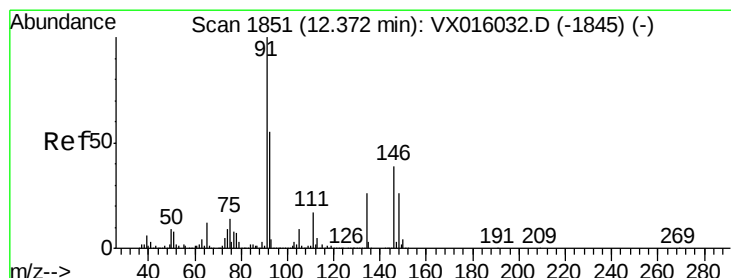
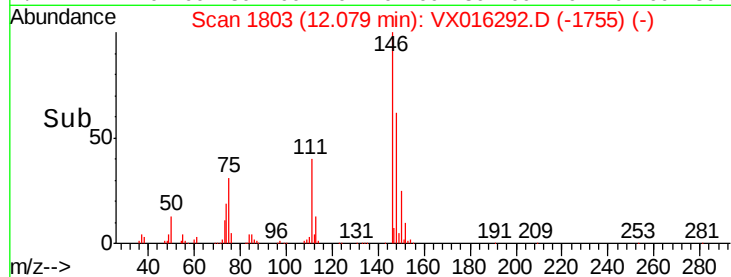
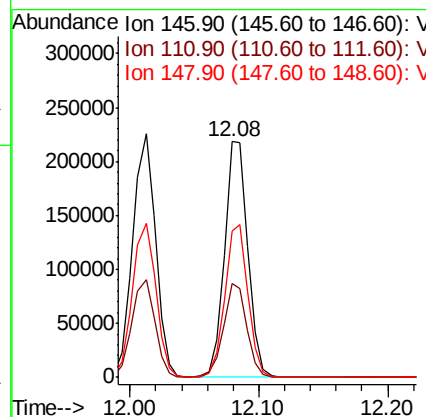
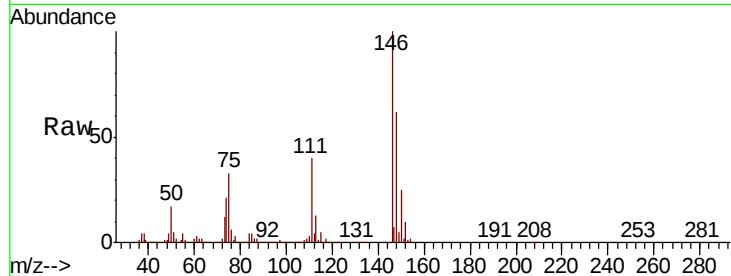




#88
 1,4-Dichlorobenzene
 Concen: 44.755 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

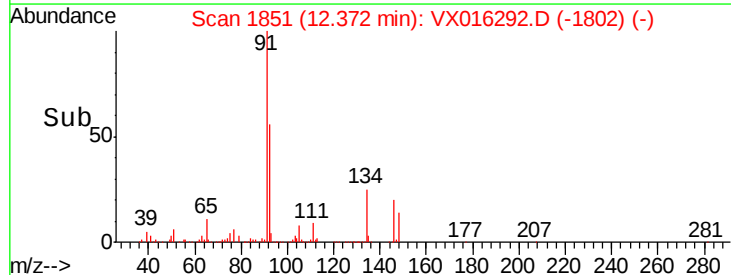
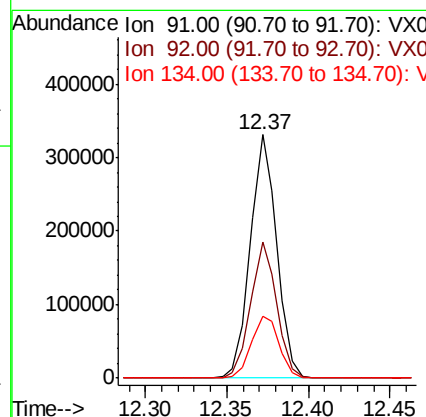
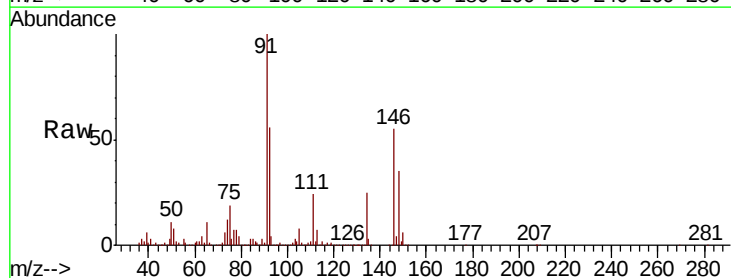
Instrument :
 MSVOA_X
 ClientSampled :
 S32-0685MS

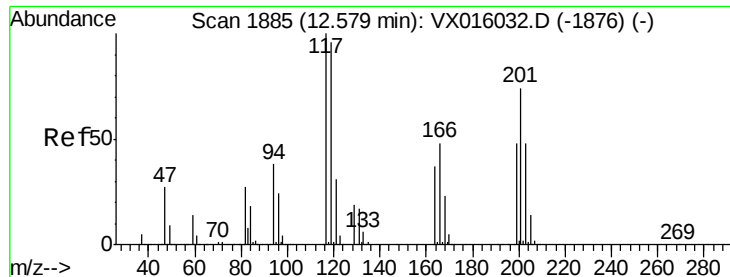
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	64.0	31.8	95.3



#89
 n-Butylbenzene
 Concen: 33.844 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.6	82.7
134	26.9	13.4	40.1





#90

Hexachloroethane

Concen: 39.558 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

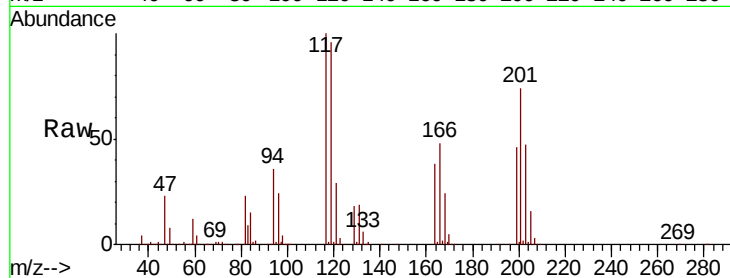
S32-0685MS

Tot Ion:117 Resp: 82340

Ion Ratio Lower Upper

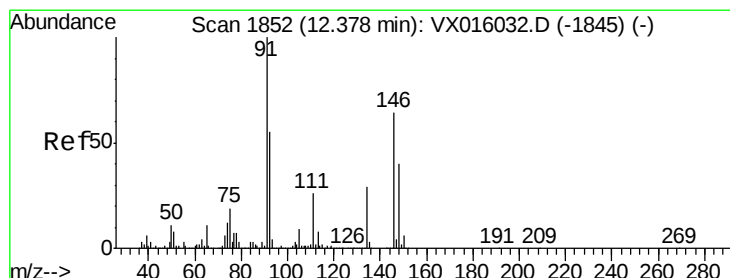
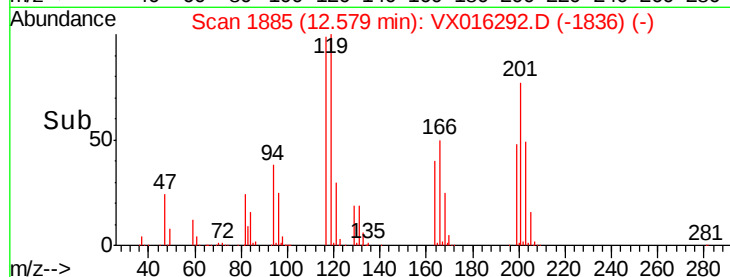
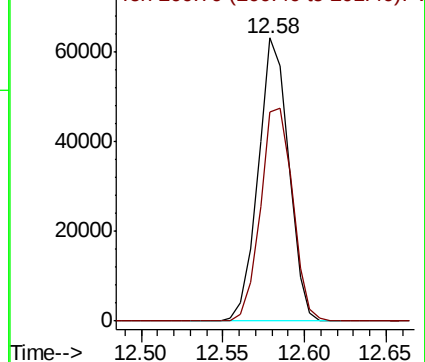
117 100

201 79.0 39.8 119.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 45.885 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

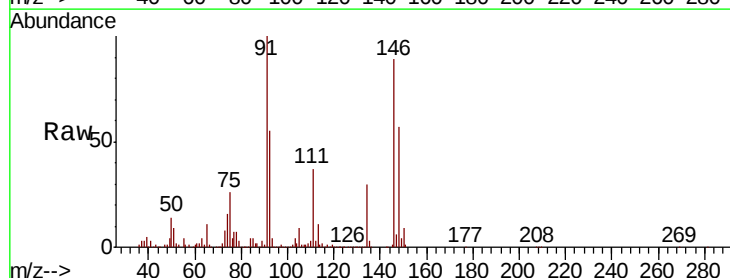
Tgt Ion:146 Resp: 272078

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.1

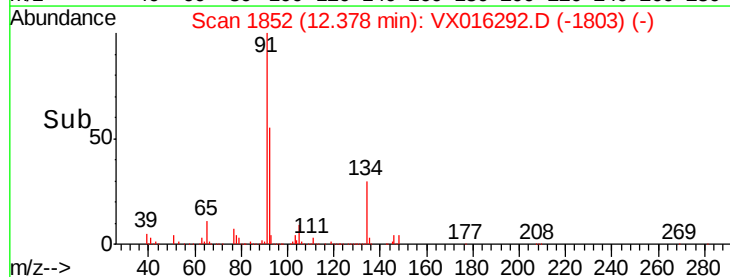
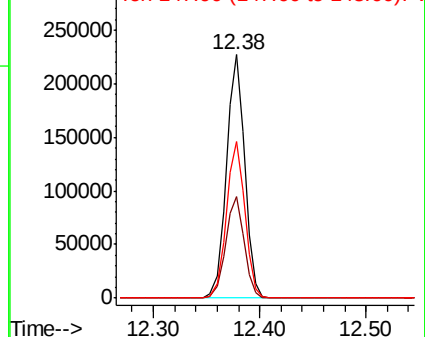
148 64.8 32.4 97.0

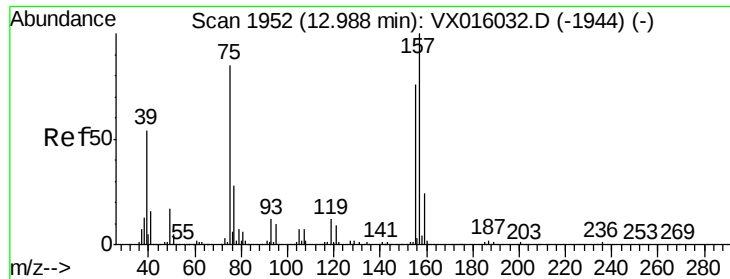


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

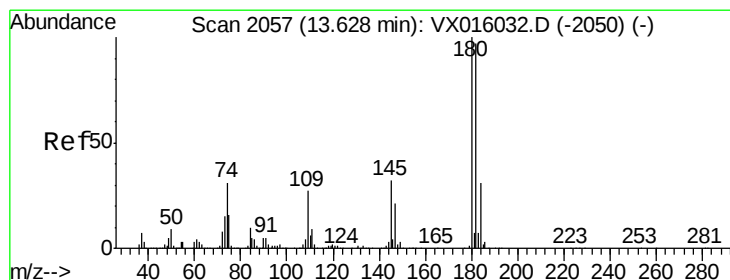
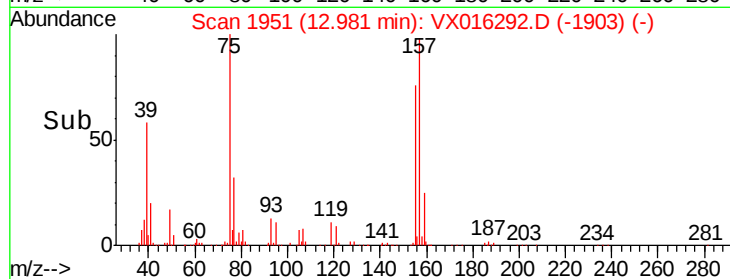
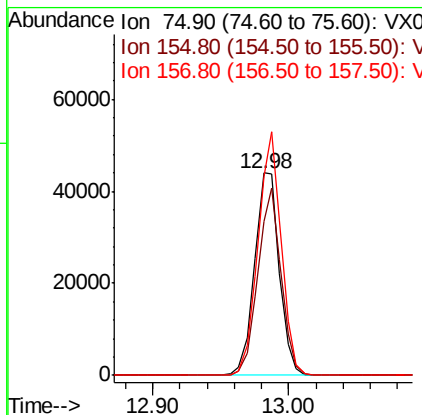
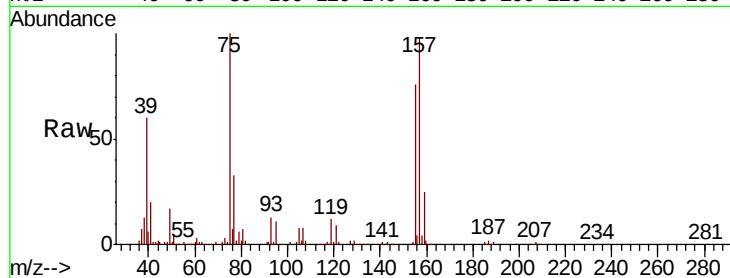




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.685 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

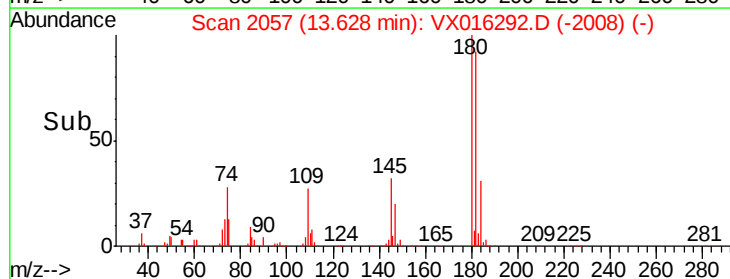
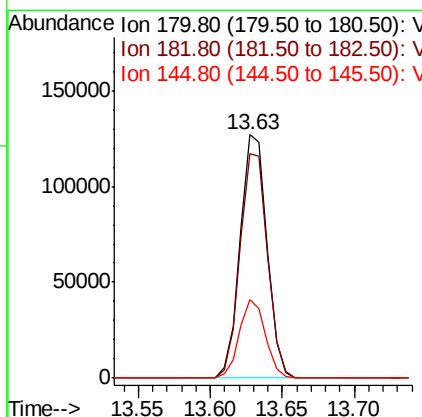
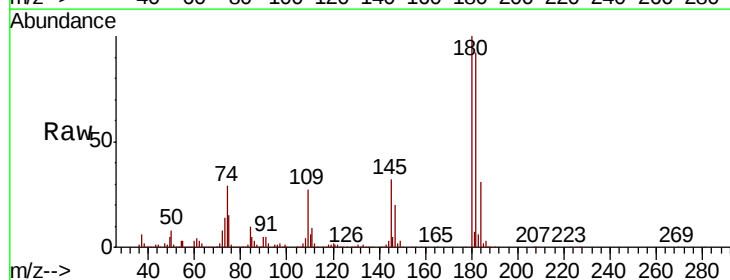
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685MS

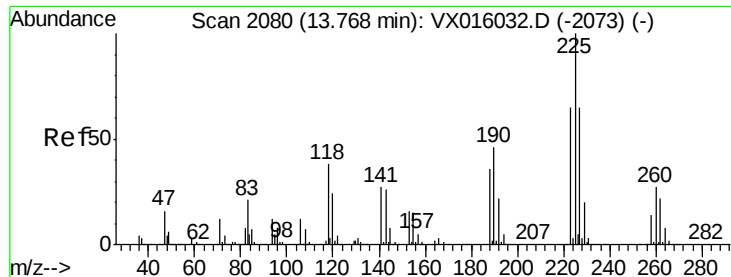
Tot Ion: 75 Resp: 56469
 Ion Ratio Lower Upper
 75 100
 155 86.4 42.5 127.5
 157 112.3 55.3 165.8



#93
 1,2,4-Trichlorobenzene
 Concen: 37.318 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Tgt Ion:180 Resp: 163826
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.7 146.1
 145 31.4 15.7 47.1





#94

Hexachlorobutadiene

Concen: 25.416 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

S32-0685MS

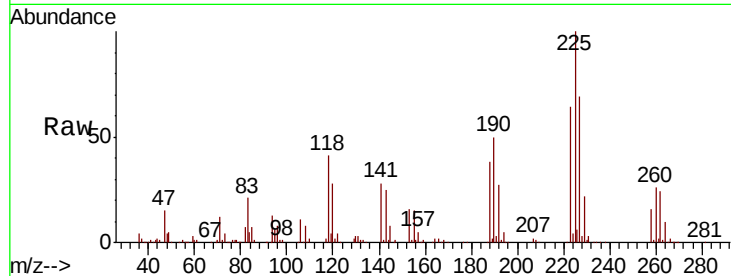
Tot Ion:225 Resp: 47554

Ion Ratio Lower Upper

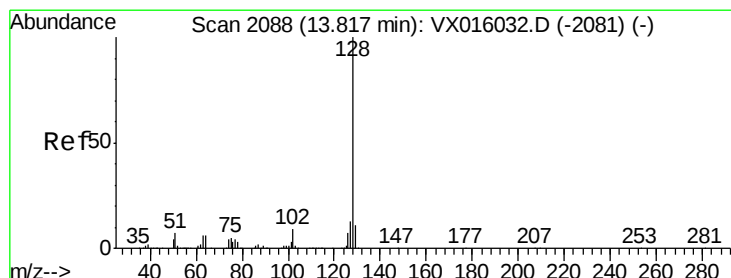
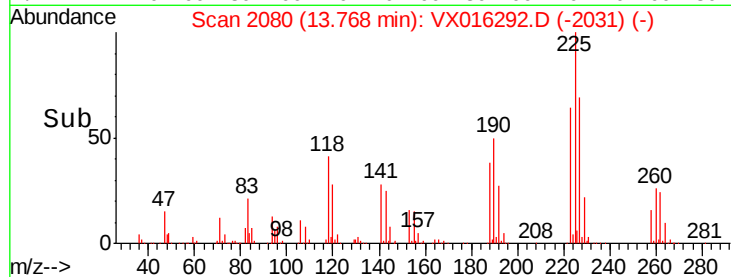
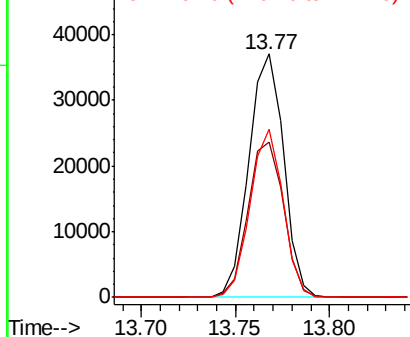
225 100

223 65.3 32.3 96.9

227 65.4 31.8 95.4



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: 45.673 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016292.D

Acq: 15 May 2020 19:36

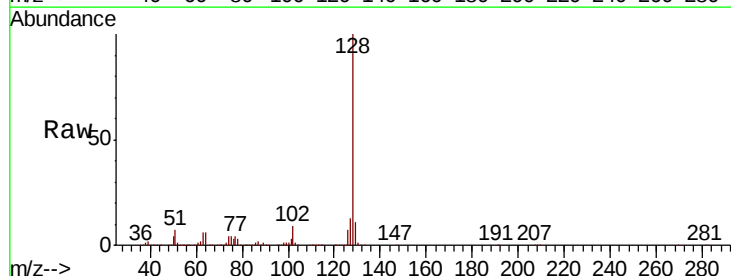
Tgt Ion:128 Resp: 649237

Ion Ratio Lower Upper

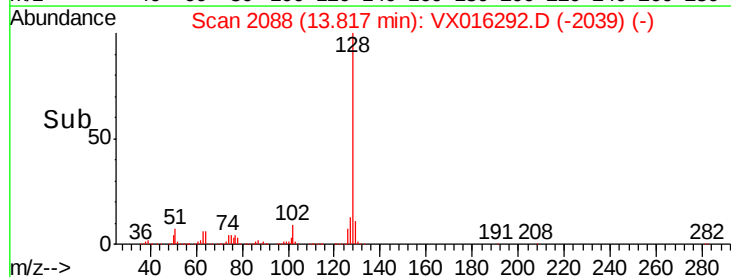
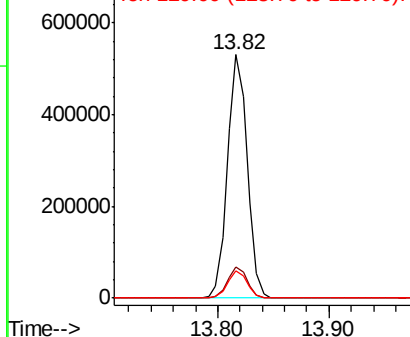
128 100

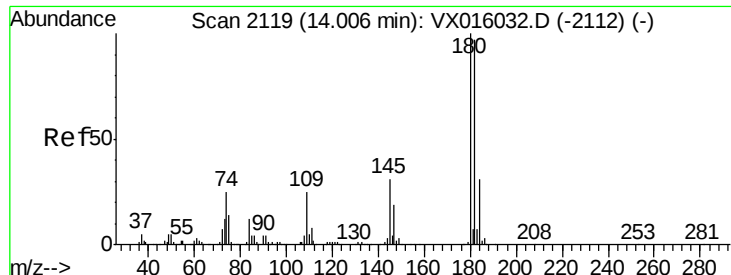
127 12.6 10.2 15.4

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 37.636 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016292.D
 Acq: 15 May 2020 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.4	145.0
145	33.2	16.4	49.1

