

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042820\
 Data File : VX015964.D
 Acq On : 28 Apr 2020 16:09
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 28 17:22:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:15:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	268727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	420780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	389682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202745	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	166829	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	5.47	113	126835	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	8.70	98	476714	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.12	95	184271	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	123261	51.258	ug/l	100
3) Chloromethane	1.31	50	139473	47.857	ug/l	100
4) Vinyl Chloride	1.39	62	164927	49.831	ug/l	100
5) Bromomethane	1.62	94	111721	50.281	ug/l	100
6) Chloroethane	1.71	64	104461	47.449	ug/l	100
7) Trichlorofluoromethane	1.92	101	247176	49.410	ug/l	100
8) Diethyl Ether	2.17	74	99395	47.592	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	120435	48.297	ug/l	100
10) Methyl Iodide	2.49	142	177992	51.169	ug/l	100
11) Tert butyl alcohol	3.01	59	205765	241.260	ug/l	100
12) 1,1-Dichloroethene	2.36	96	124493	48.420	ug/l	100
13) Acrolein	2.27	56	49137	229.252	ug/l	100
14) Allyl chloride	2.71	41	230702	49.762	ug/l	100
15) Acrylonitrile	3.12	53	423247	250.281	ug/l	100
16) Acetone	2.42	43	364468	242.584	ug/l	100
17) Carbon Disulfide	2.55	76	362912	44.069	ug/l	100
18) Methyl Acetate	2.75	43	210978	49.485	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	463410	49.833	ug/l	100
20) Methylene Chloride	2.84	84	140155	47.123	ug/l	100
21) trans-1,2-Dichloroethene	3.14	96	136753	47.195	ug/l	100
22) Diisopropyl ether	3.82	45	451027	49.484	ug/l	100
23) Vinyl Acetate	3.79	43	2002293	252.888	ug/l	100
24) 1,1-Dichloroethane	3.67	63	253678	49.962	ug/l	100
25) 2-Butanone	4.64	43	610585	250.787	ug/l	100
26) 2,2-Dichloropropane	4.56	77	231908	49.953	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	159612	48.541	ug/l	100
28) Bromochloromethane	4.98	49	113044	46.008	ug/l	100
29) Tetrahydrofuran	5.09	42	394894	247.492	ug/l	100
30) Chloroform	5.18	83	258173	48.898	ug/l	100
31) Cyclohexane	5.55	56	221604	49.025	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	240445	49.462	ug/l	100
36) 1,1-Dichloropropene	5.78	75	193193	48.206	ug/l	100
37) Ethyl Acetate	4.79	43	232412	50.574	ug/l	100
38) Carbon Tetrachloride	5.76	117	212641	50.233	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	230897	49.808	ug/l	100
40) Benzene	6.12	78	567098	49.593	ug/l	100
41) Methacrylonitrile	5.00	41	122887	49.957	ug/l	100
42) 1,2-Dichloroethane	6.17	62	217855	49.170	ug/l	100
43) Isopropyl Acetate	6.42	43	383673	50.418	ug/l	100
44) Trichloroethene	7.19	130	201198	48.815	ug/l	100
45) 1,2-Dichloropropane	7.49	63	147032	49.752	ug/l	100
46) Dibromomethane	7.64	93	104059	49.553	ug/l	100
47) Bromodichloromethane	7.88	83	212158	50.841	ug/l	100
48) Methyl methacrylate	7.75	41	181676	51.708	ug/l	100
49) 1,4-Dioxane	7.71	88	78725	952.452	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	1180637	255.776	ug/l	100
52) Toluene	8.77	92	365182	50.311	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	245766	49.635	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	253026	49.686	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	144597	49.848	ug/l	100
56) Ethyl methacrylate	9.16	69	241953	51.297	ug/l	100
57) 1,3-Dichloropropane	9.35	76	250439	50.249	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	612968	251.484	ug/l	100
59) 2-Hexanone	9.48	43	925479	256.553	ug/l	100
60) Dibromochloromethane	9.57	129	165696	51.036	ug/l	100
61) 1,2-Dibromoethane	9.65	107	159839	50.815	ug/l	100
64) Tetrachloroethene	9.32	164	227441	49.200	ug/l	100
65) Chlorobenzene	10.12	112	393954	49.636	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	151237	50.417	ug/l	100
67) Ethyl Benzene	10.24	91	702371	49.692	ug/l	100
68) m/p-Xylenes	10.34	106	537103	100.144	ug/l	100
69) o-Xylene	10.68	106	259816	51.023	ug/l	100
70) Styrene	10.70	104	443284	50.734	ug/l	100
71) Bromoform	10.84	173	127545	52.484	ug/l	# 100
73) Isopropylbenzene	11.01	105	698914	50.674	ug/l	100
74) N-amyl acetate	10.88	43	337442	50.728	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	142289	53.221	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	293872	55.347	ug/l	82
77) Bromobenzene	11.24	156	179739	50.627	ug/l	100
78) n-propylbenzene	11.35	91	805224	50.751	ug/l	100
79) 2-Chlorotoluene	11.41	91	469941	49.712	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	593696	51.100	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	91660	50.915	ug/l	100
82) 4-Chlorotoluene	11.49	91	565582	50.023	ug/l	100
83) tert-Butylbenzene	11.76	119	509967	50.907	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	599402	51.262	ug/l	100
85) sec-Butylbenzene	11.93	105	687162	50.913	ug/l	100
86) p-Isopropyltoluene	12.05	119	641581	50.749	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	318400	49.180	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	315845	48.271	ug/l	100
89) n-Butylbenzene	12.37	91	574096	50.258	ug/l	100
90) Hexachloroethane	12.58	117	113653	50.881	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	301913	48.767	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	56444	49.569	ug/l	100

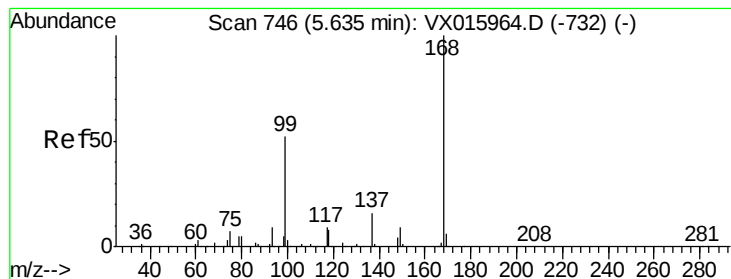
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	230875	49.686	ug/l	100
94) Hexachlorobutadiene	13.77	225	99769	48.056	ug/l	100
95) Naphthalene	13.82	128	748086	51.045	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	220665	49.318	ug/l	100

(#) = 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: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

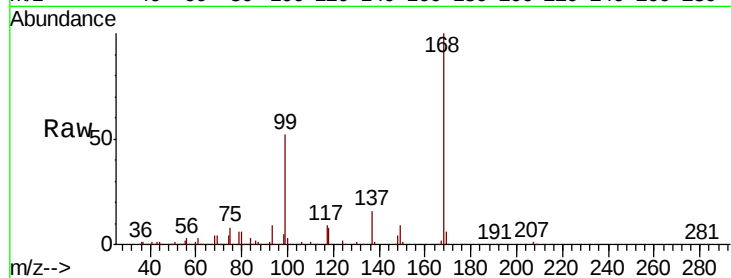
VSTDICCC050

Tot Ion:168 Resp: 268727

Ion Ratio Lower Upper

168 100

99 52.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

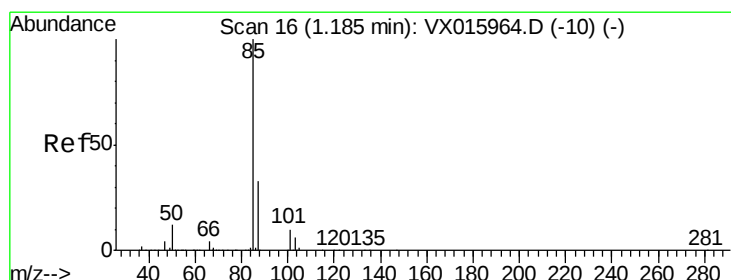
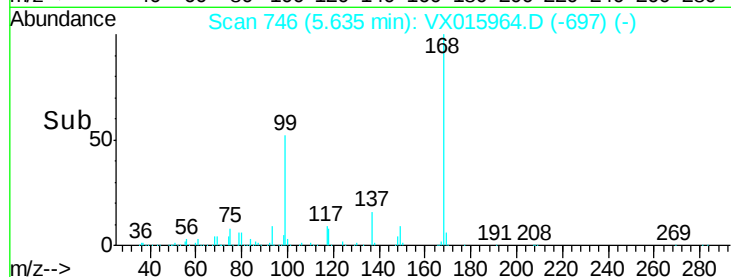
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.258 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015964.D

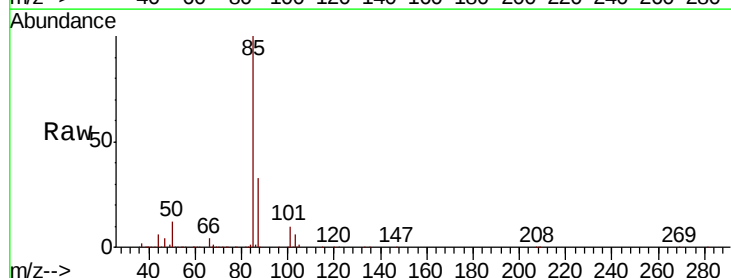
Acq: 28 Apr 2020 16:09

Tgt Ion: 85 Resp: 123261

Ion Ratio Lower Upper

85 100

87 33.4 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

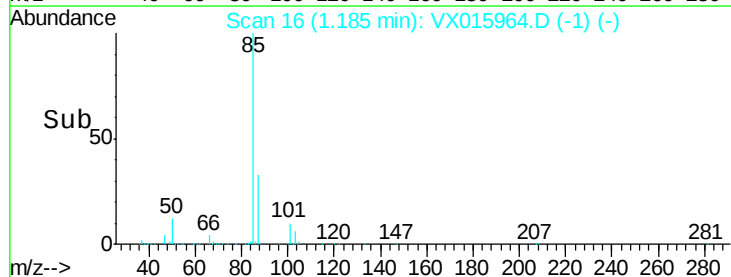
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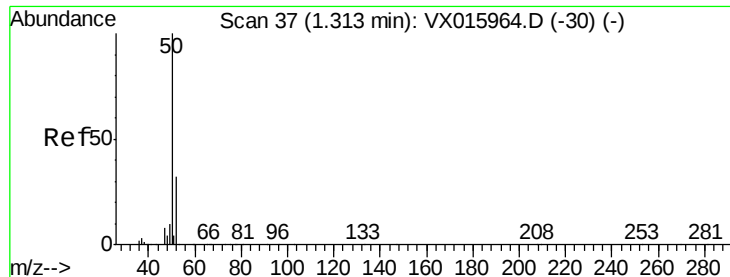
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.857 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

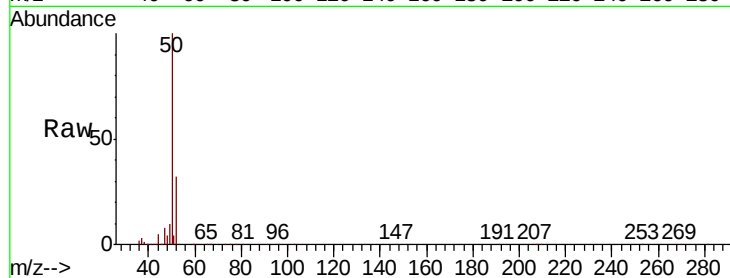
VSTDICCC050

Tot Ion: 50 Resp: 139473

Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

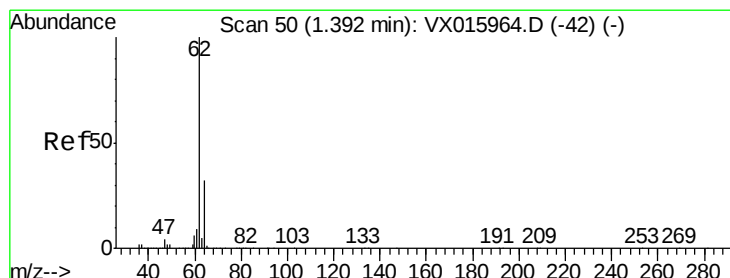
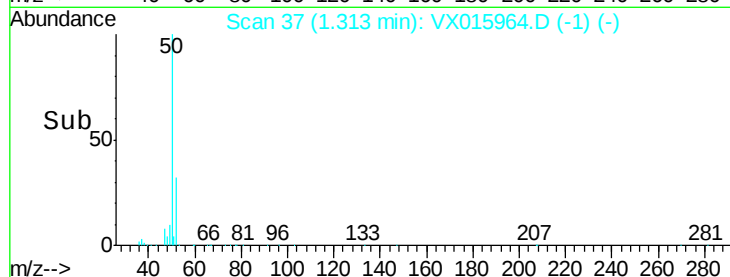
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.831 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015964.D

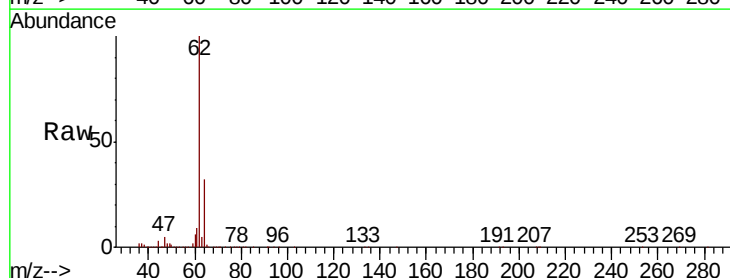
Acq: 28 Apr 2020 16:09

Tgt Ion: 62 Resp: 164927

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

200000

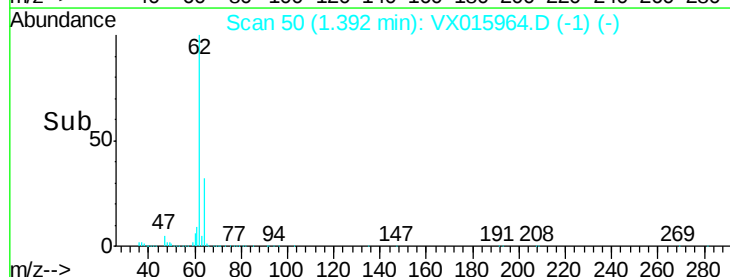
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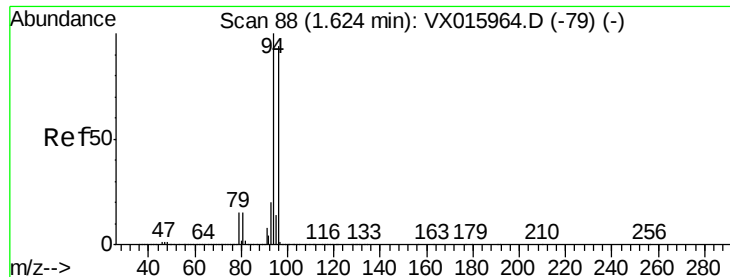
100000

50000

0

Time-->





#5

Bromomethane

Concen: 50.281 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

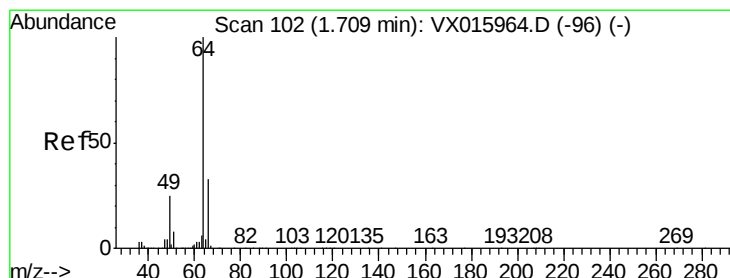
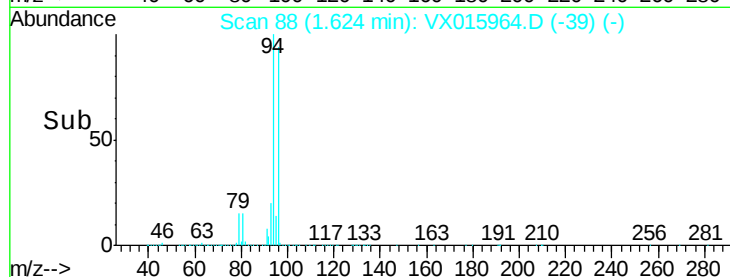
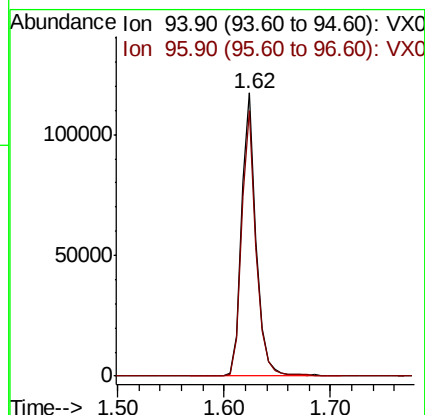
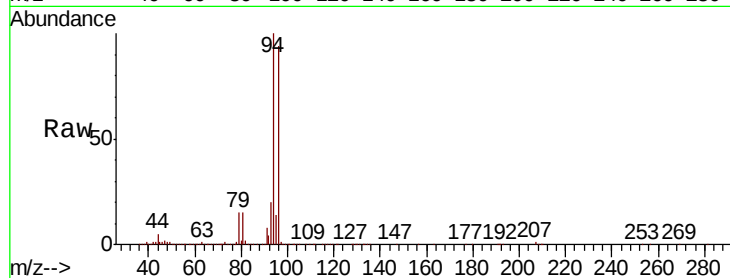
VSTDICCC050

Tot Ion: 94 Resp: 111721

Ion Ratio Lower Upper

94 100

96 93.6 74.9 112.3



#6

Chloroethane

Concen: 47.449 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX015964.D

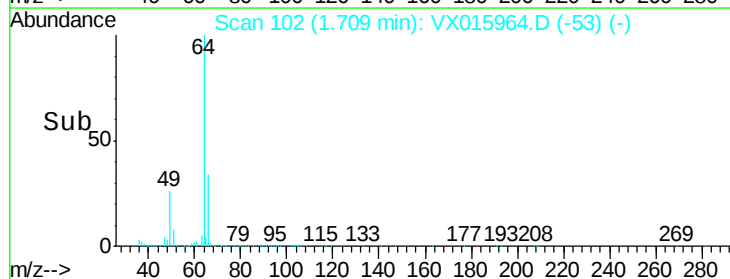
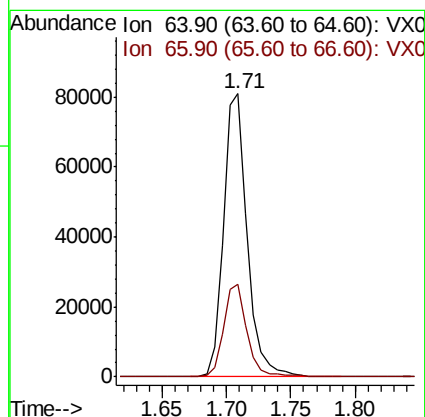
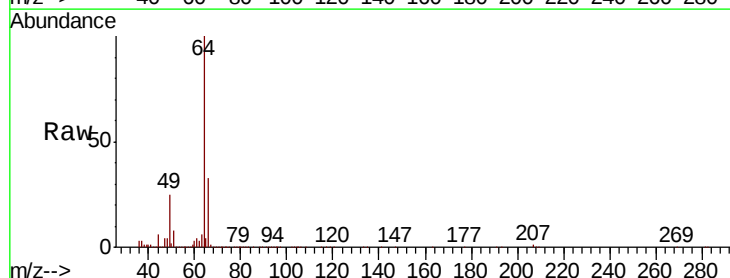
Acq: 28 Apr 2020 16:09

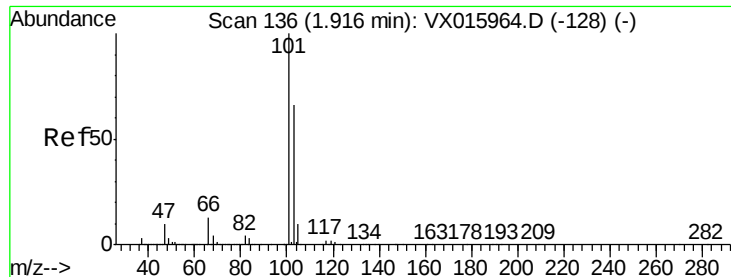
Tgt Ion: 64 Resp: 104461

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



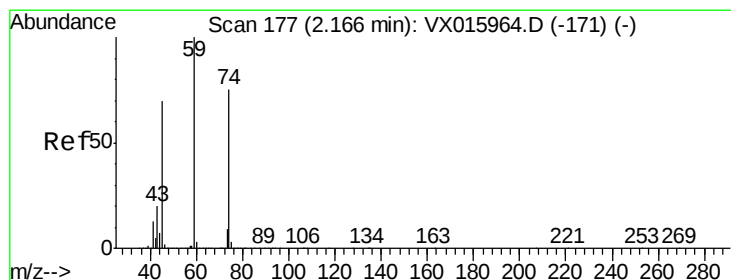
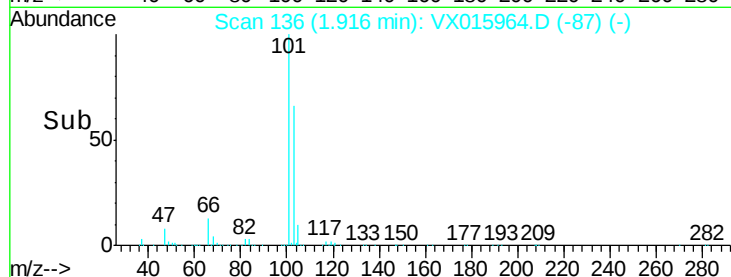
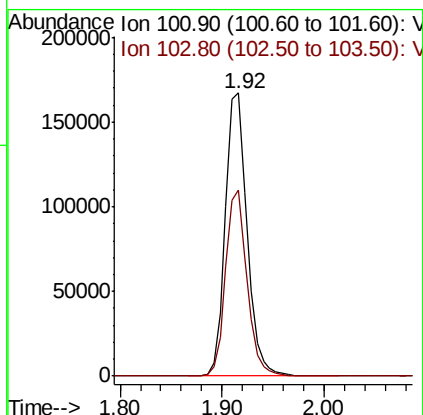
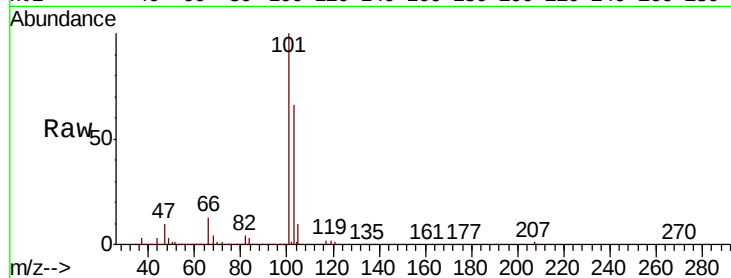


#7

Trichlorofluoromethane
Concen: 49.410 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX015964.D
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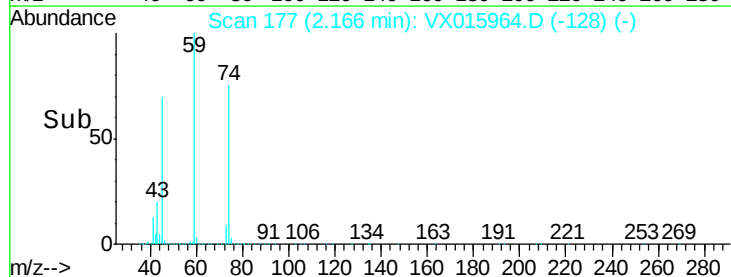
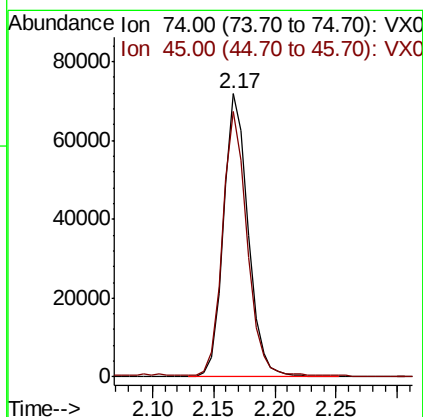
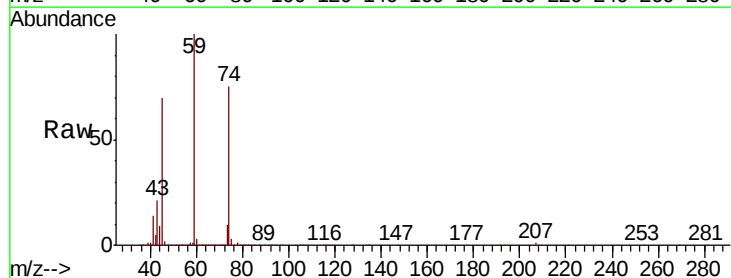
Tot Ion:101 Resp: 247176
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6

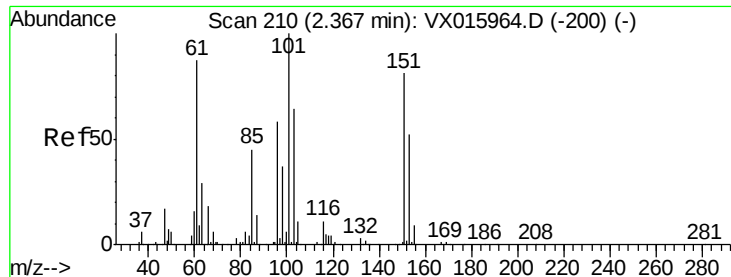


#8

Diethyl Ether
Concen: 47.592 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion: 74 Resp: 99395
Ion Ratio Lower Upper
74 100
45 94.2 47.1 141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.297 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

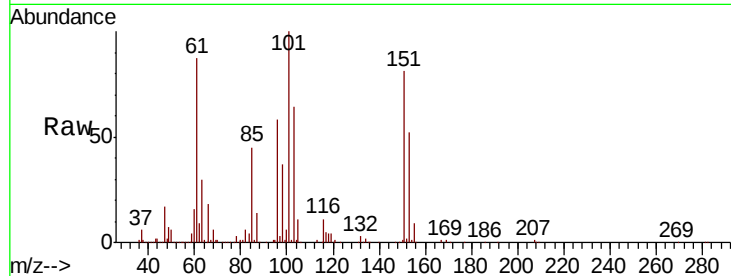
Tot Ion:101 Resp: 120435

Ion Ratio Lower Upper

101 100

85 45.4 36.3 54.5

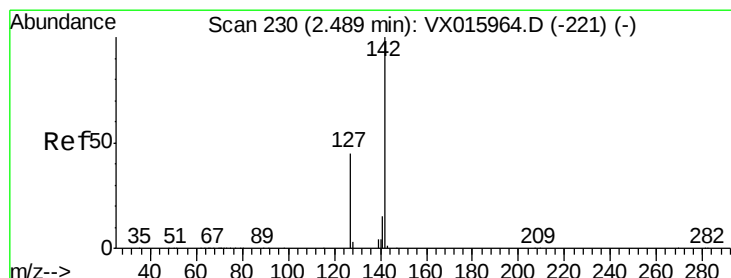
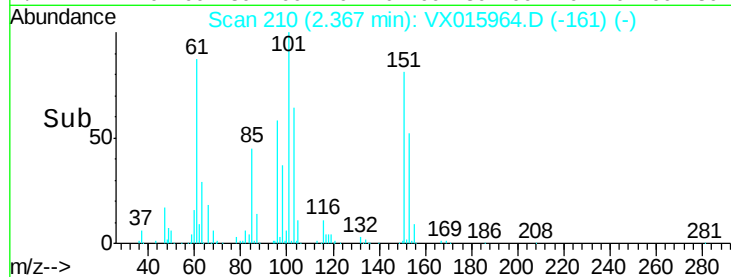
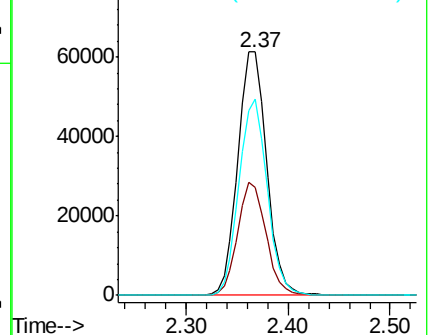
151 78.9 63.1 94.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.169 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

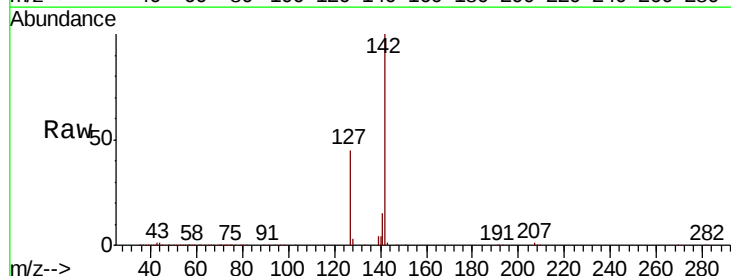
Tgt Ion:142 Resp: 177992

Ion Ratio Lower Upper

142 100

127 45.6 36.5 54.7

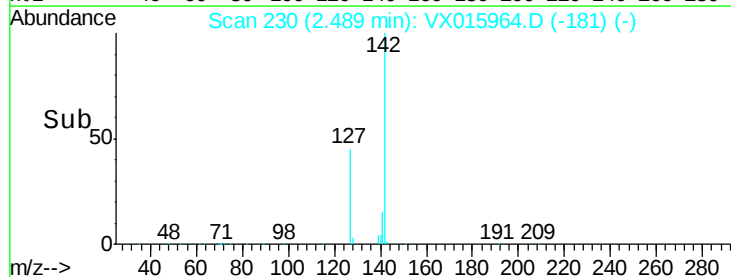
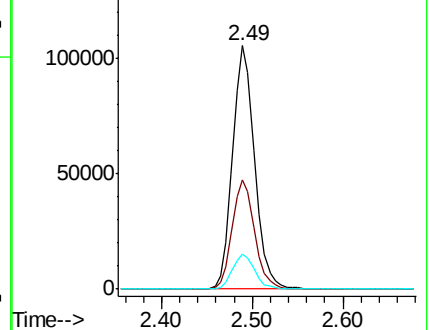
141 14.5 11.6 17.4

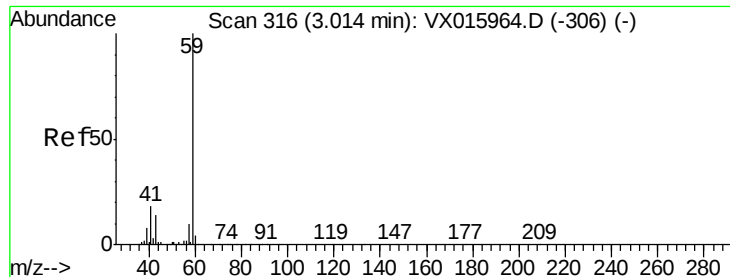


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

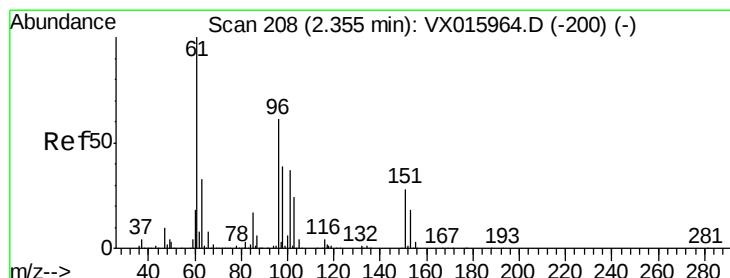
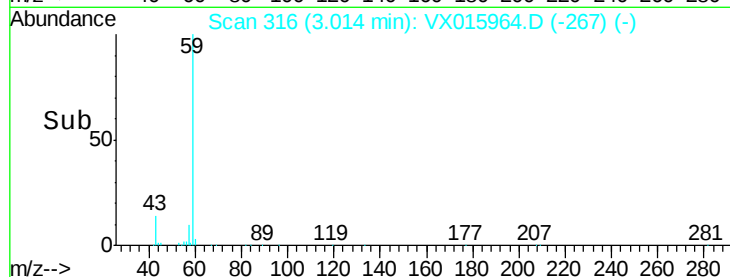
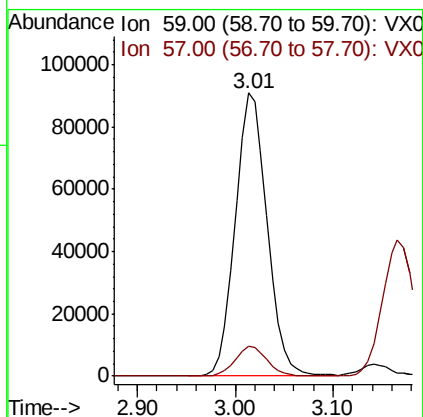
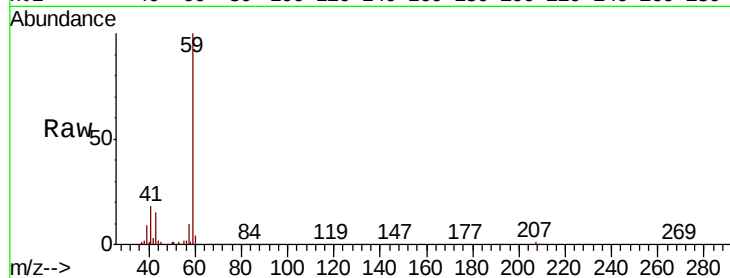




#11
Tert butyl alcohol
Concen: 241.260 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

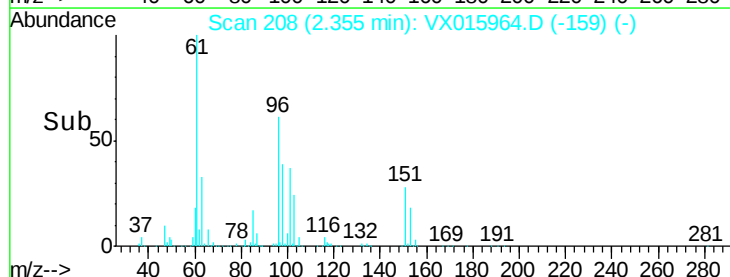
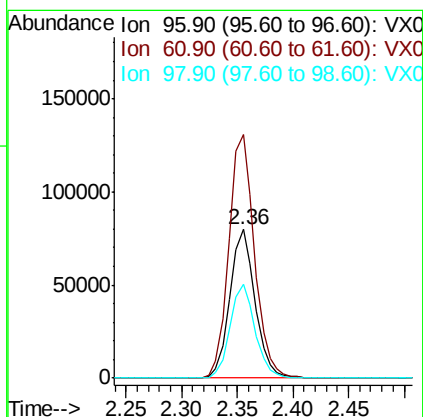
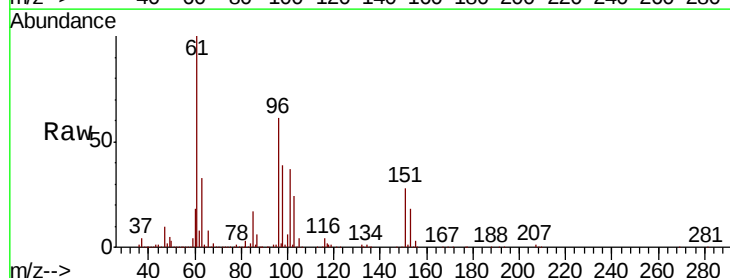
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

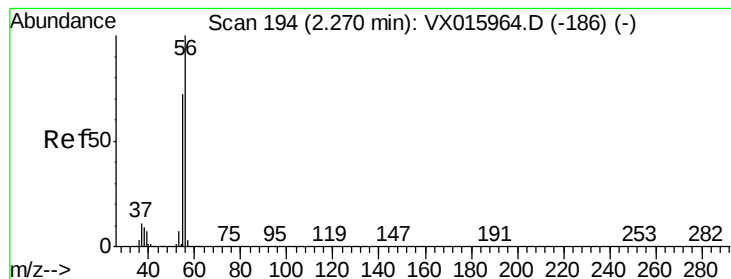
Tot Ion: 59 Resp: 205765
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5



#12
1,1-Dichloroethene
Concen: 48.420 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion: 96 Resp: 124493
Ion Ratio Lower Upper
96 100
61 163.7 131.0 196.4
98 63.4 50.7 76.1





#13

Acrolein

Concen: 229.252 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

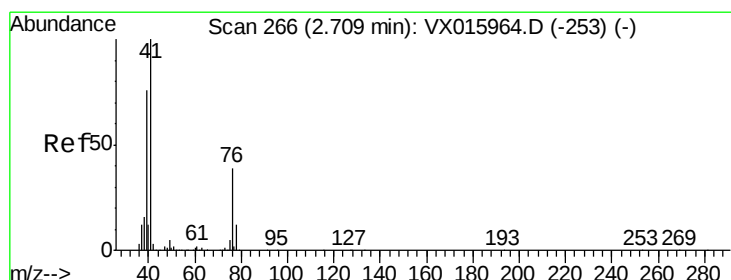
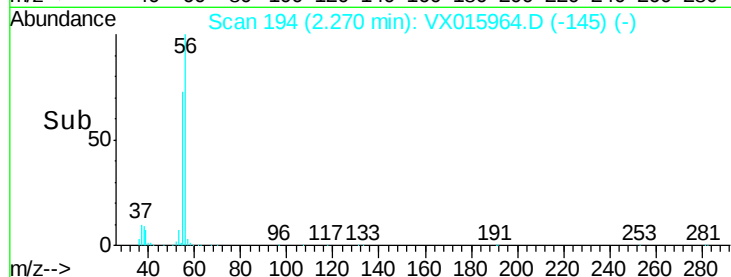
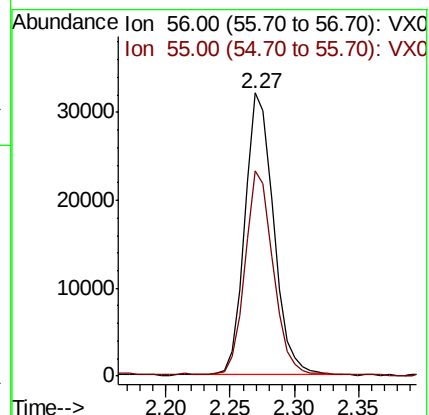
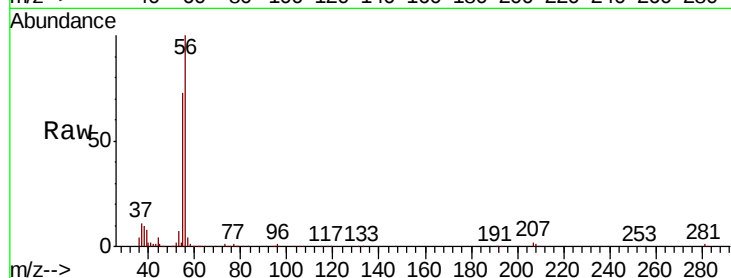
VSTDICCC050

Tot Ion: 56 Resp: 49137

Ion Ratio Lower Upper

56 100

55 71.1 56.9 85.3



#14

Allyl chloride

Concen: 49.762 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

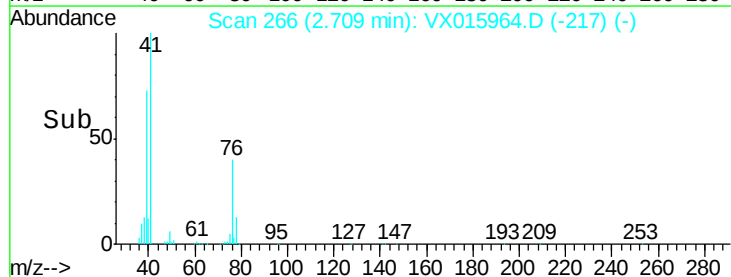
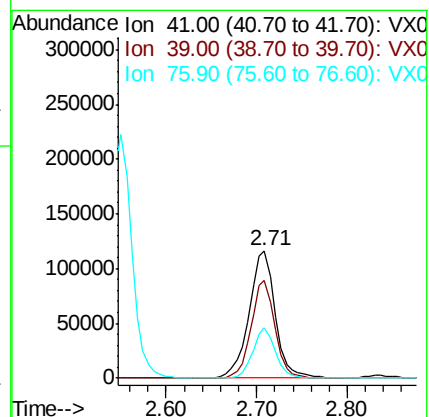
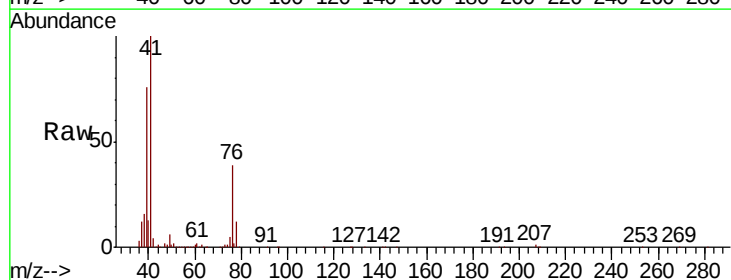
Tgt Ion: 41 Resp: 230702

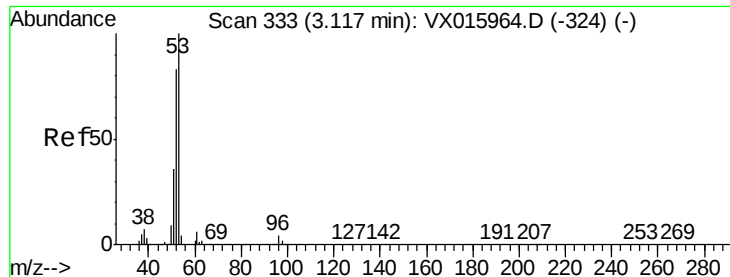
Ion Ratio Lower Upper

41 100

39 69.2 55.4 83.0

76 33.9 27.1 40.7





#15

Acrylonitrile

Concen: 250.281 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

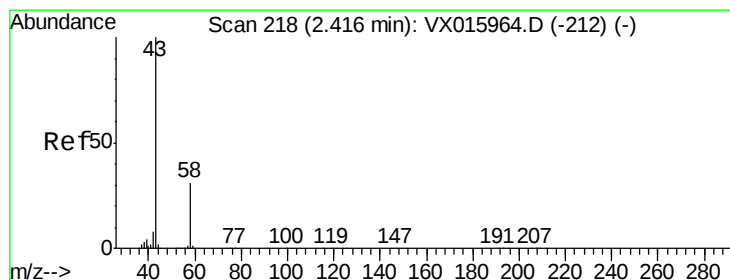
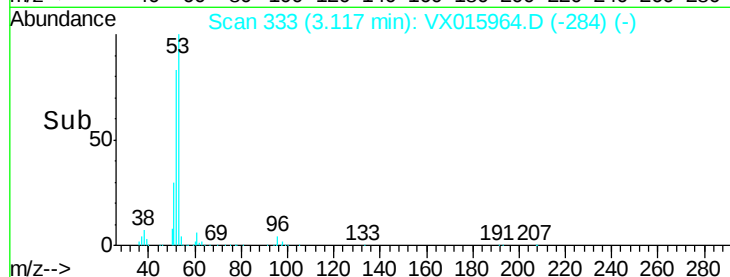
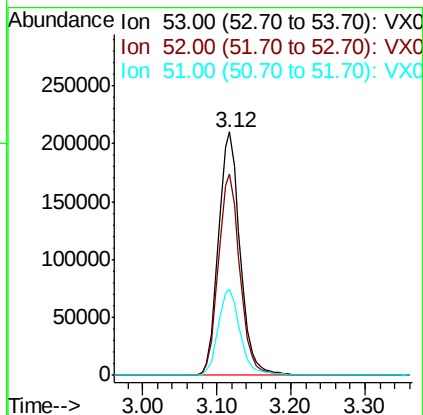
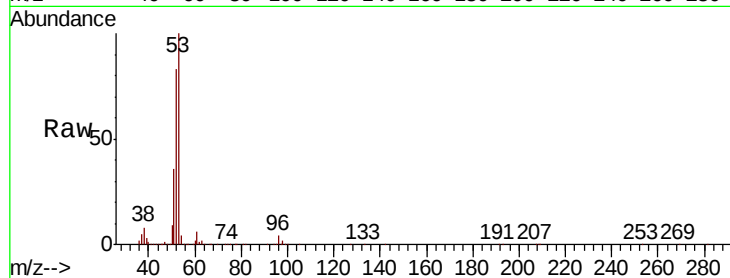
Tot Ion: 53 Resp: 423247

Ion Ratio Lower Upper

53 100

52 81.9 65.5 98.3

51 35.9 28.7 43.1



#16

Acetone

Concen: 242.584 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX015964.D

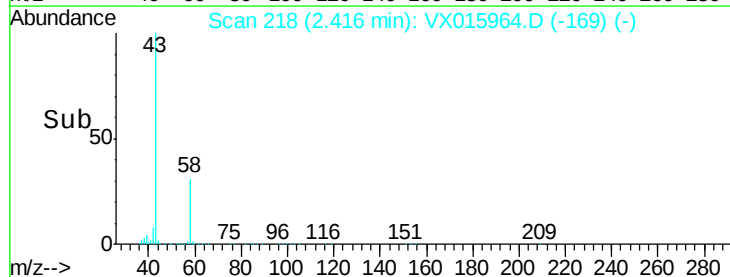
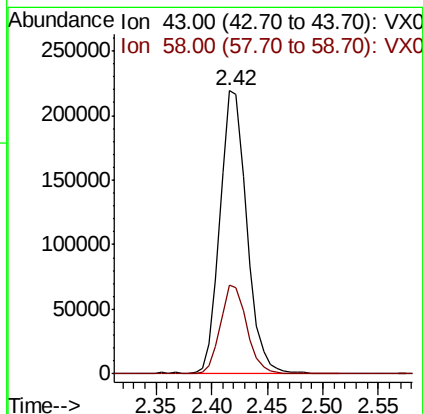
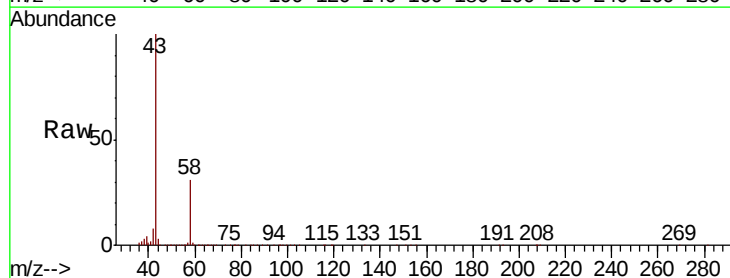
Acq: 28 Apr 2020 16:09

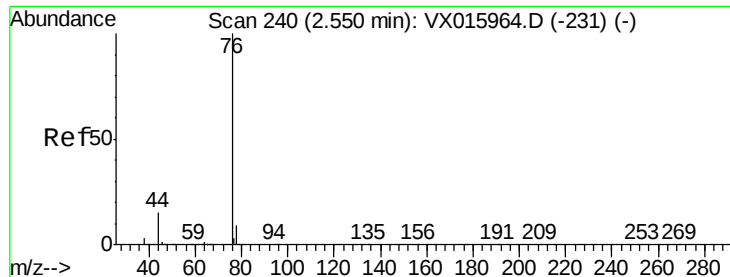
Tgt Ion: 43 Resp: 364468

Ion Ratio Lower Upper

43 100

58 31.4 25.1 37.7





#17

Carbon Disulfide

Concen: 44.069 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

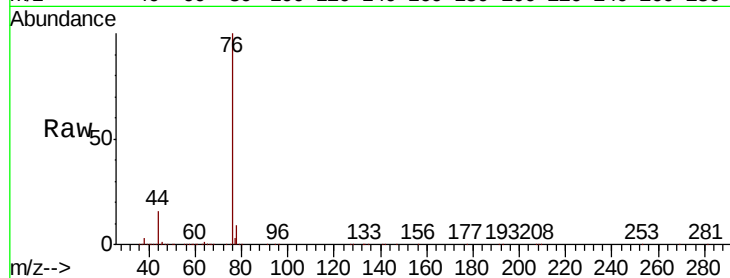
VSTDICCC050

Tot Ion: 76 Resp: 362912

Ion Ratio Lower Upper

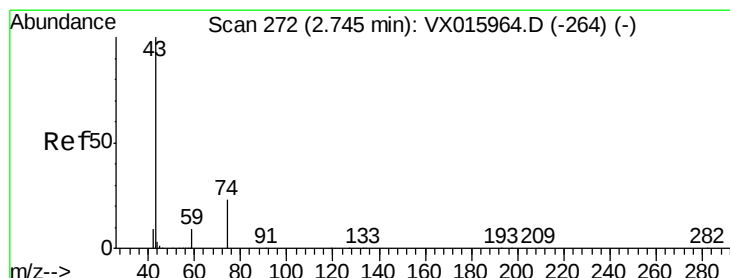
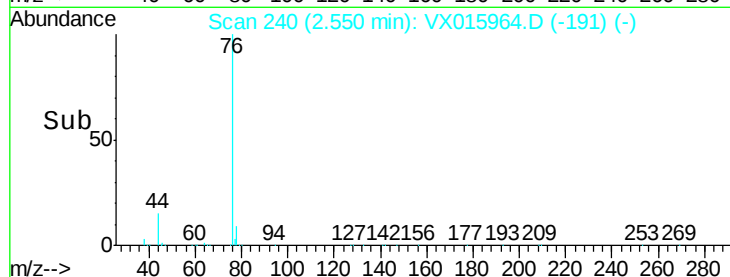
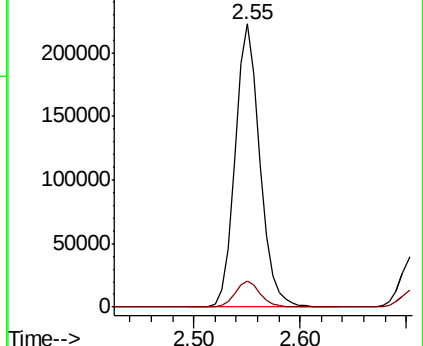
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.485 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX015964.D

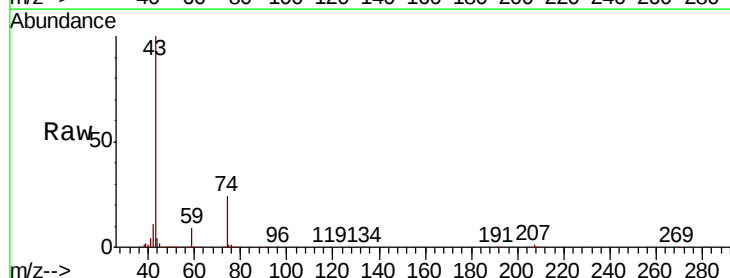
Acq: 28 Apr 2020 16:09

Tgt Ion: 43 Resp: 210978

Ion Ratio Lower Upper

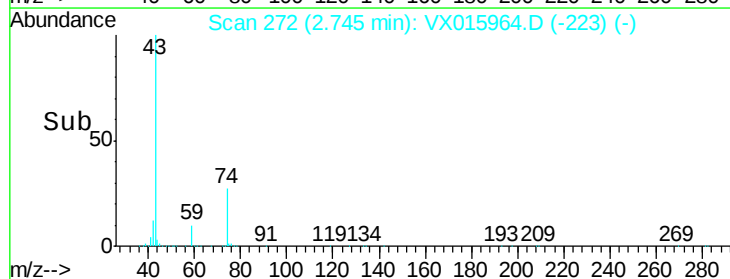
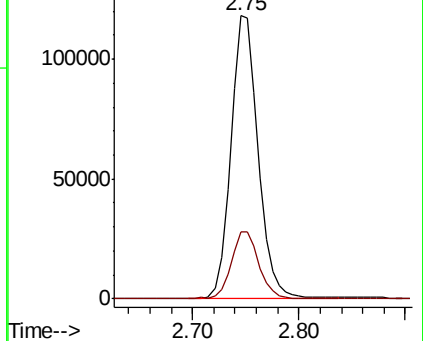
43 100

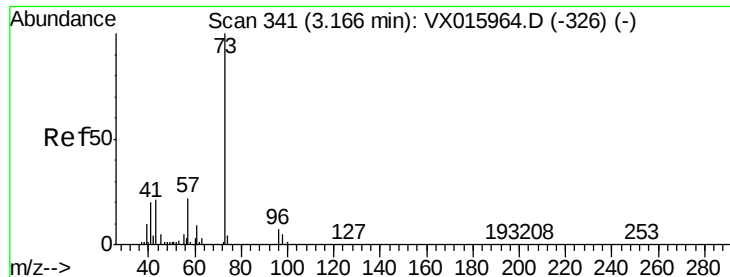
74 24.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



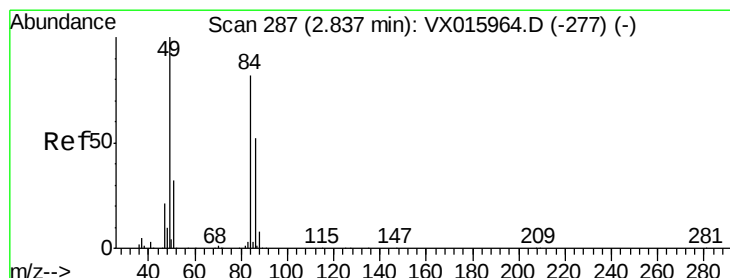
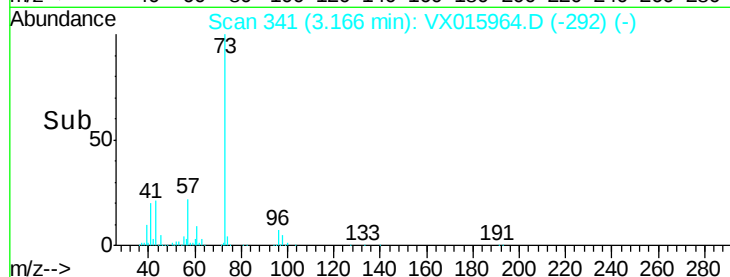
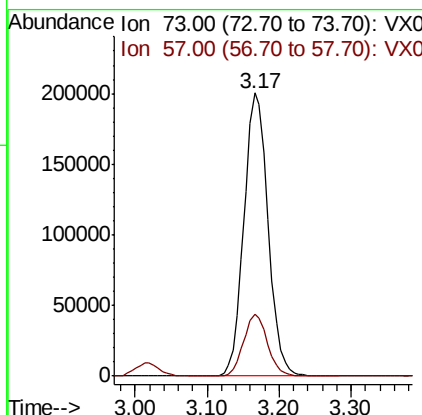
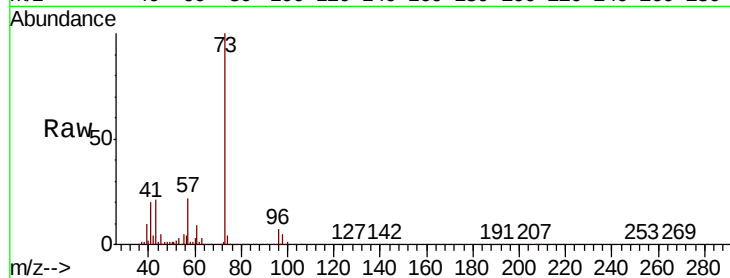


#19

Methyl tert-butyl Ether
 Concen: 49.833 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX015964.D
 Acq: 28 Apr 2020 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

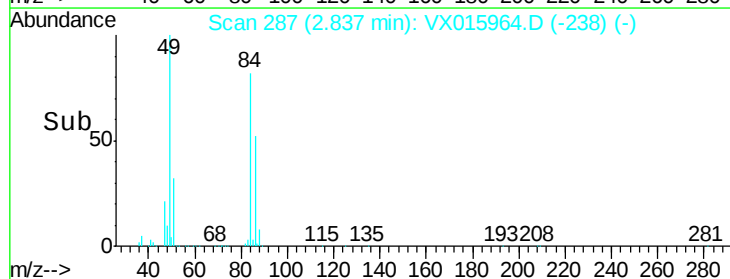
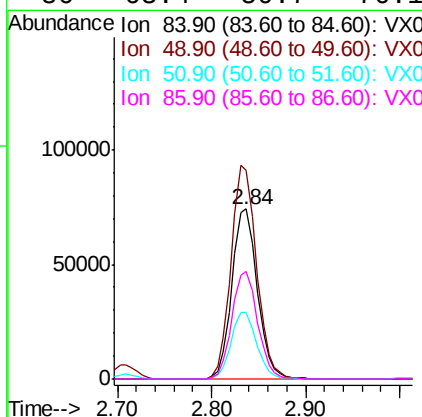
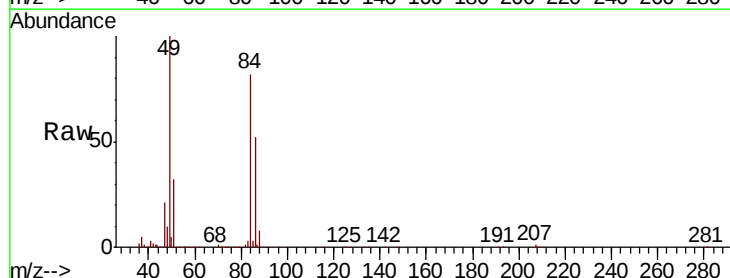
Tot Ion: 73 Resp: 463410
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.5 26.3

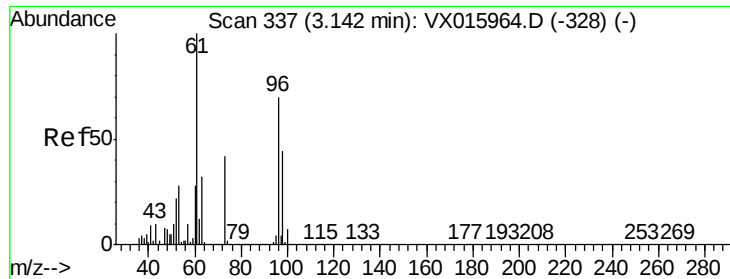


#20

Methylene Chloride
 Concen: 47.123 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX015964.D
 Acq: 28 Apr 2020 16:09

Tgt Ion: 84 Resp: 140155
 Ion Ratio Lower Upper
 84 100
 49 122.4 97.9 146.9
 51 39.0 31.2 46.8
 86 63.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 47.195 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

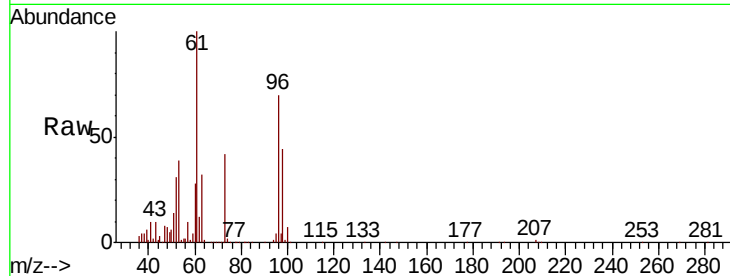
Tot Ion: 96 Resp: 136753

Ion Ratio Lower Upper

96 100

61 142.0 113.6 170.4

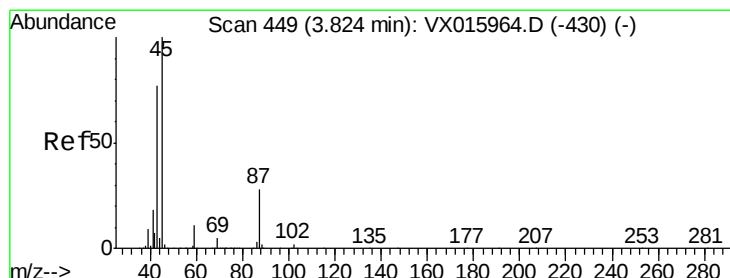
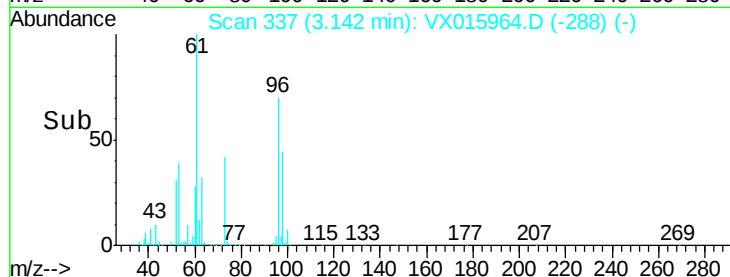
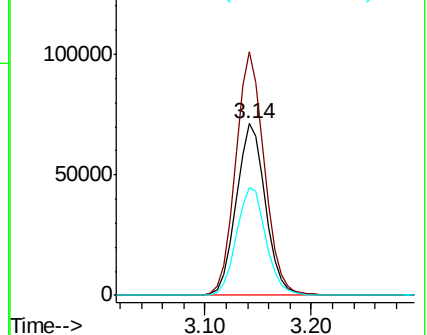
98 62.9 50.3 75.5



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: 49.484 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Tgt Ion: 45 Resp: 451027

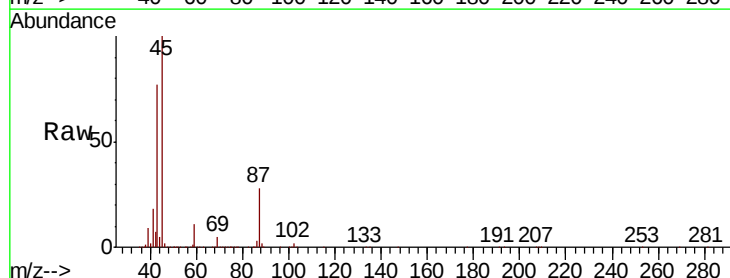
Ion Ratio Lower Upper

45 100

43 76.6 61.3 91.9

87 28.2 22.6 33.8

59 11.3 9.0 13.6

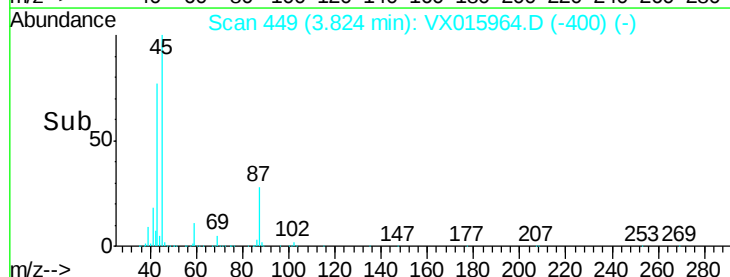
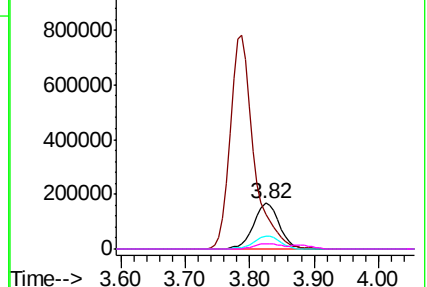


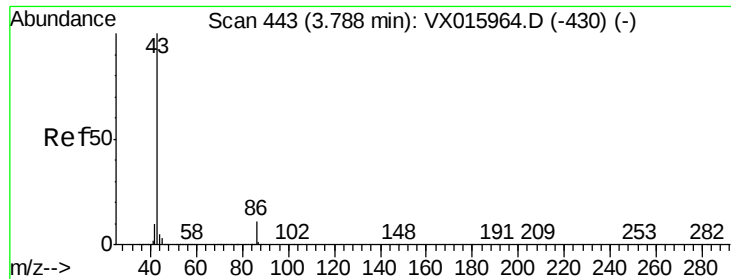
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 252.888 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

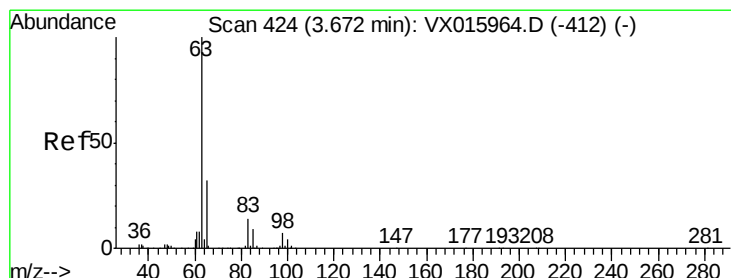
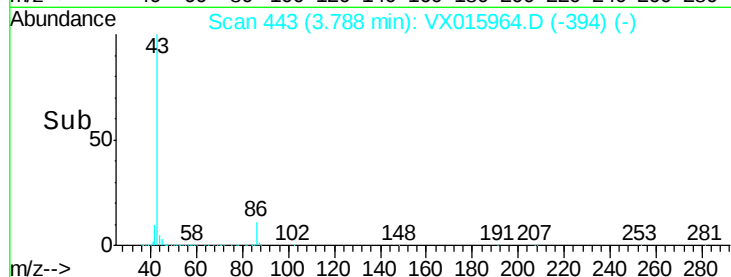
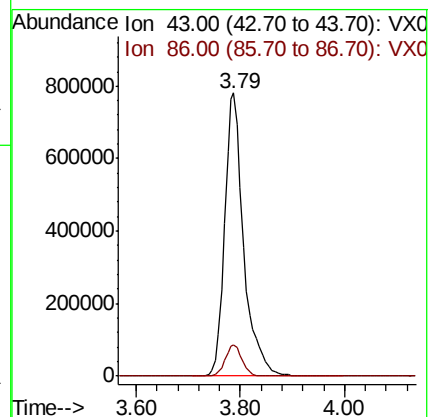
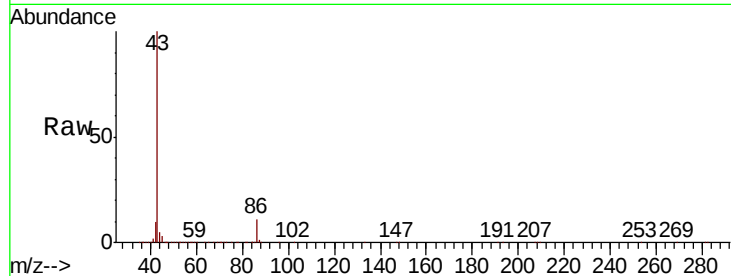
VSTDICCC050

Tot Ion: 43 Resp: 2002293

Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3



#24

1,1-Dichloroethane

Concen: 49.962 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

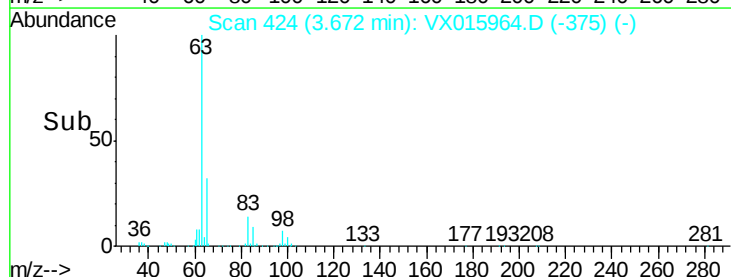
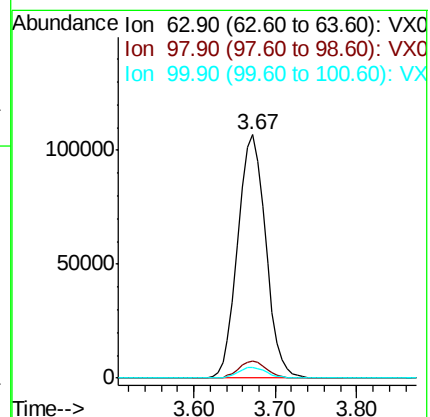
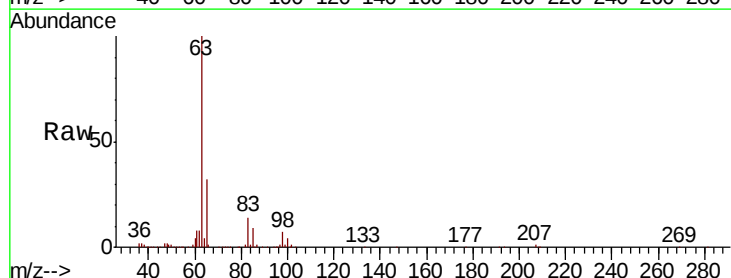
Tgt Ion: 63 Resp: 253678

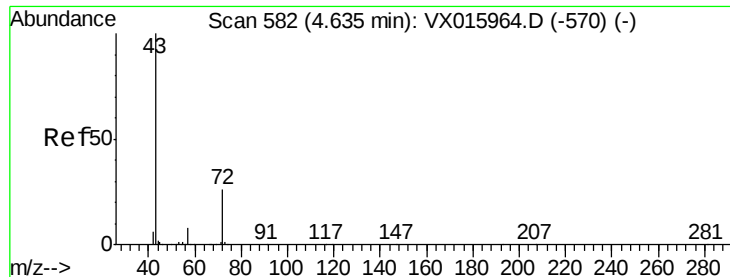
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 250.787 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

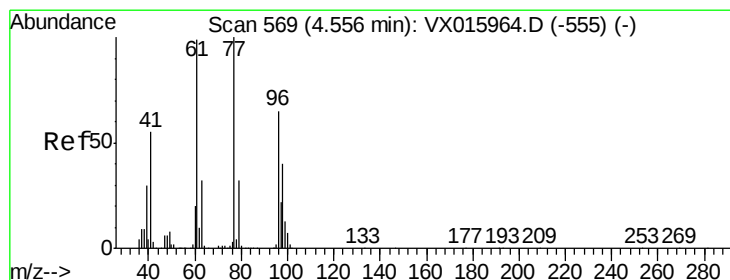
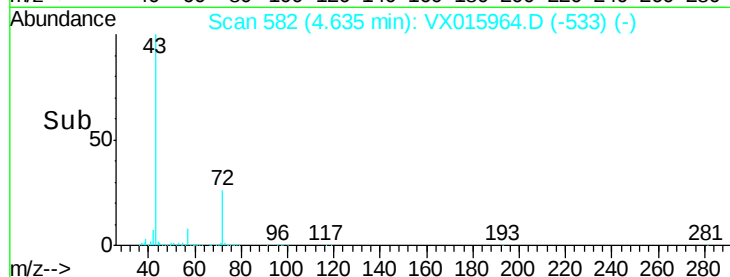
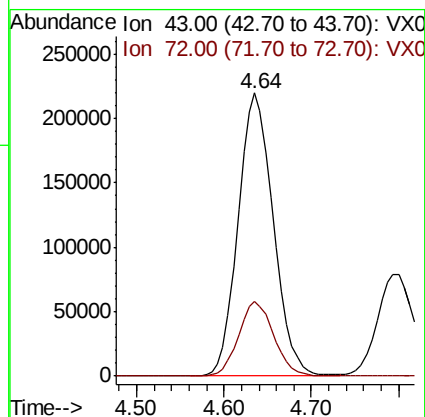
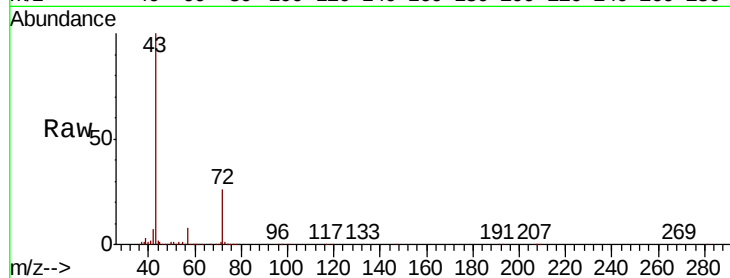
VSTDICCC050

Tot Ion: 43 Resp: 610585

Ion Ratio Lower Upper

43 100

72 26.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 49.953 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.00 min

Lab File: VX015964.D

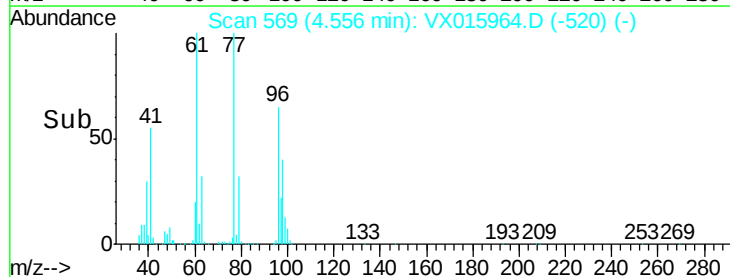
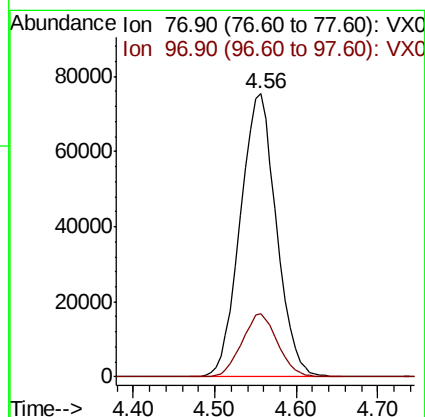
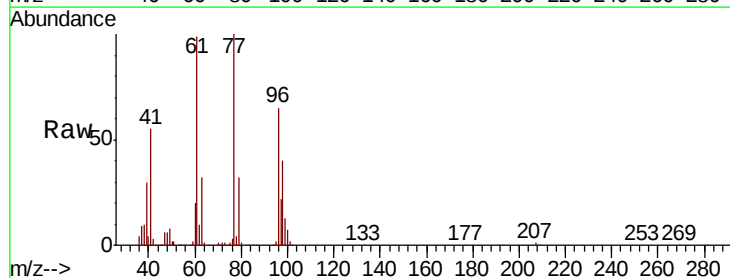
Acq: 28 Apr 2020 16:09

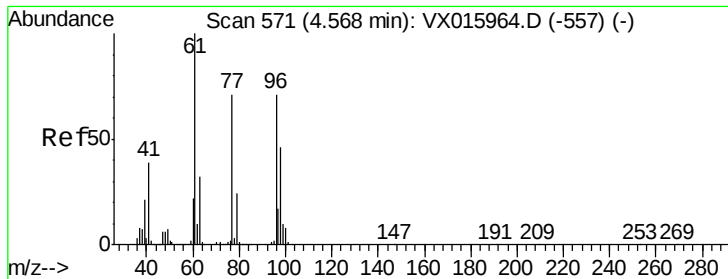
Tgt Ion: 77 Resp: 231908

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3



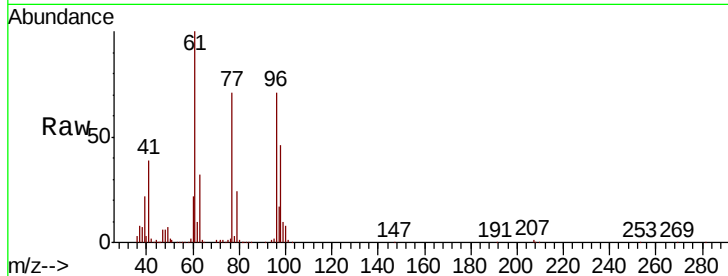


#27

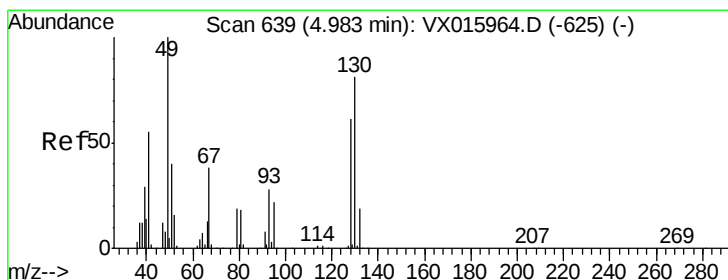
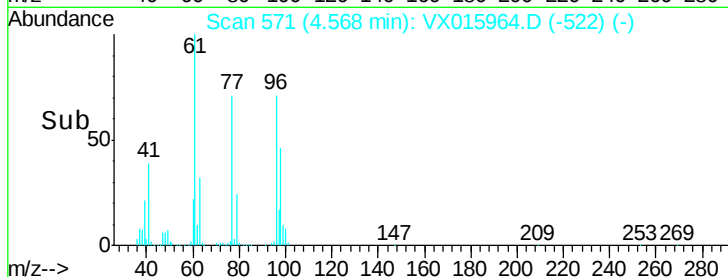
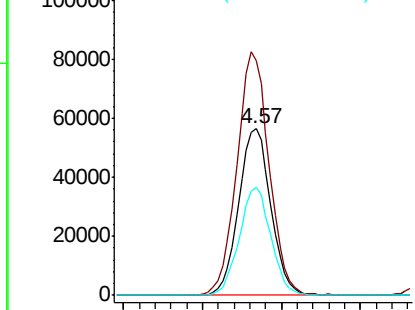
cis-1,2-Dichloroethene
Concen: 48.541 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	96	Resp	159612
Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	294.2
98	63.7	0.0	127.4



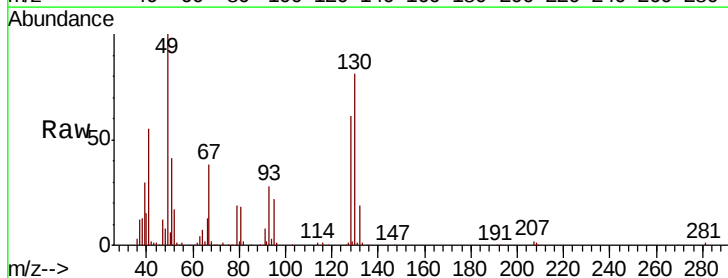
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



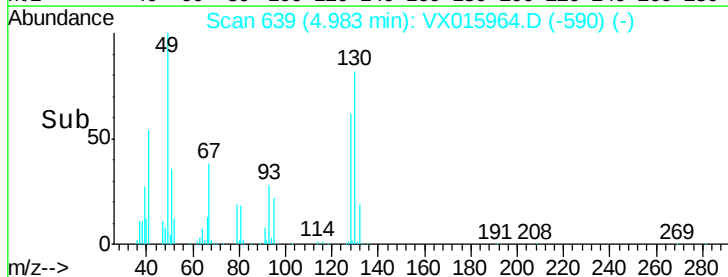
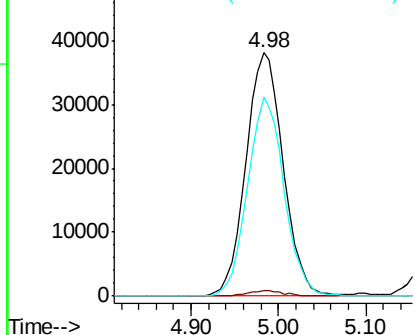
#28

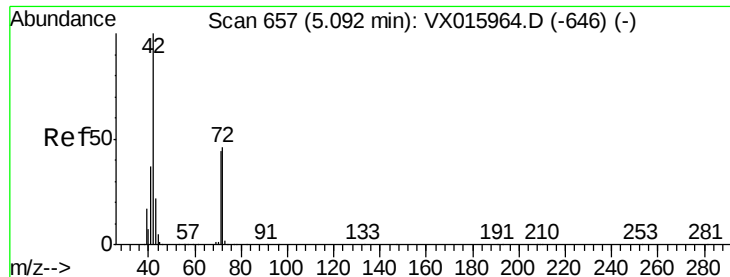
Bromochloromethane
Concen: 46.008 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion	49	Resp	113044
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	79.9	63.9	95.9



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: 247.492 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

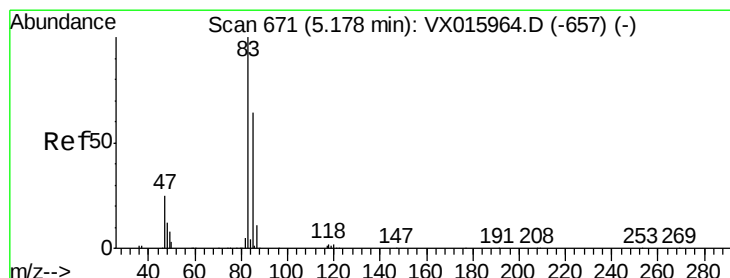
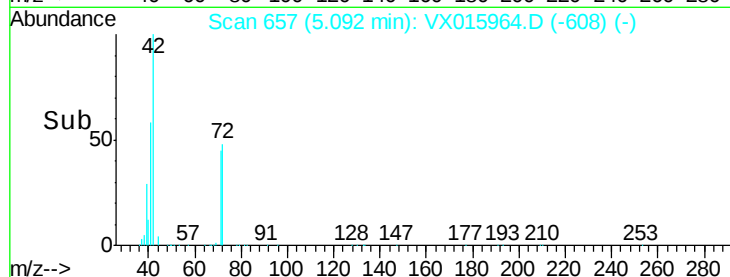
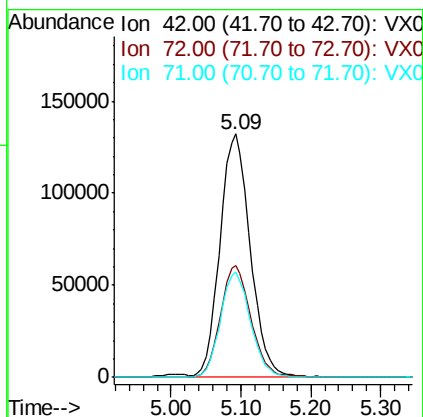
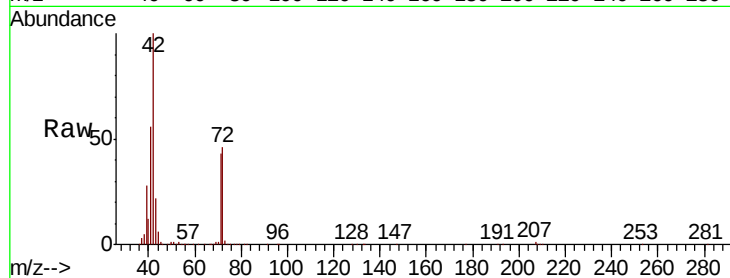
Tot Ion: 42 Resp: 394894

Ion Ratio Lower Upper

42 100

72 46.7 37.4 56.0

71 43.3 34.6 52.0



#30

Chloroform

Concen: 48.898 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX015964.D

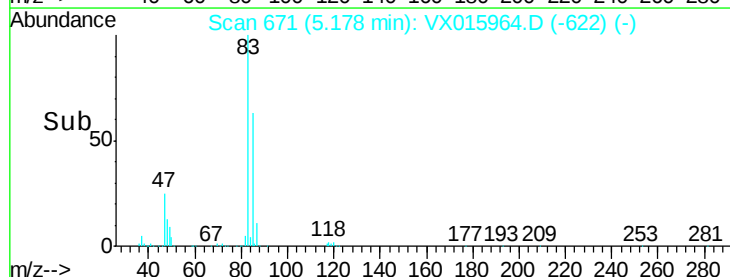
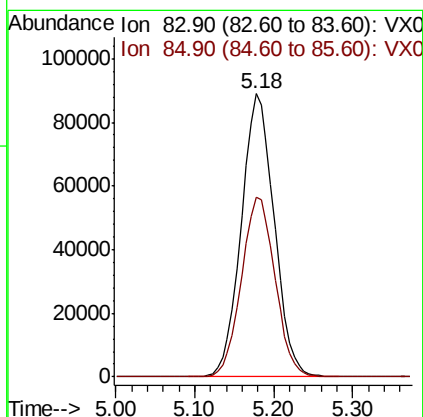
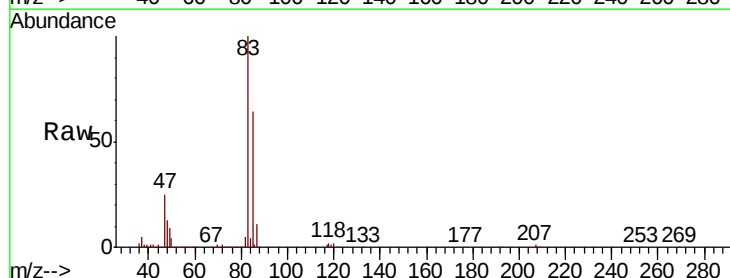
Acq: 28 Apr 2020 16:09

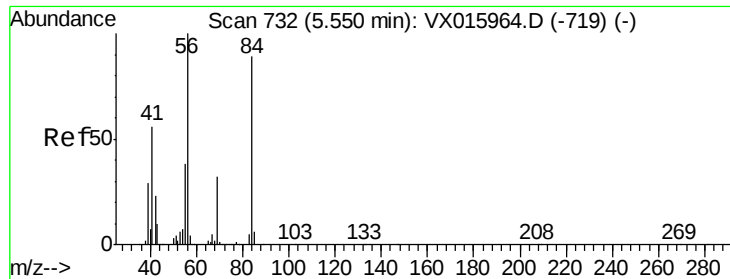
Tgt Ion: 83 Resp: 258173

Ion Ratio Lower Upper

83 100

85 63.7 51.0 76.4

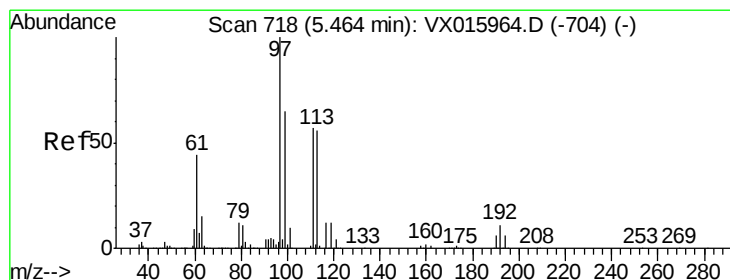
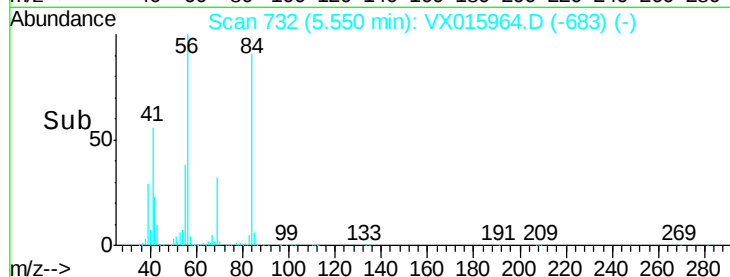
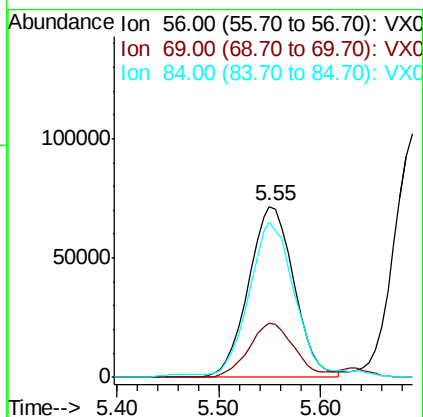
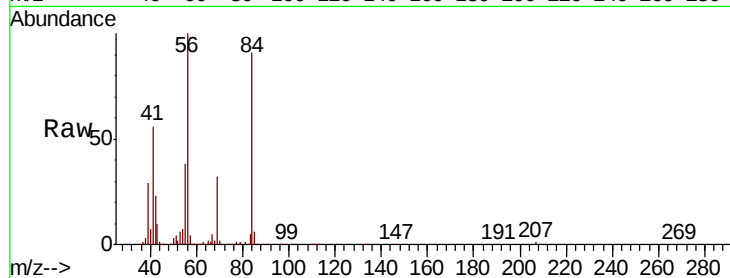




#31
Cyclohexane
Concen: 49.025 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

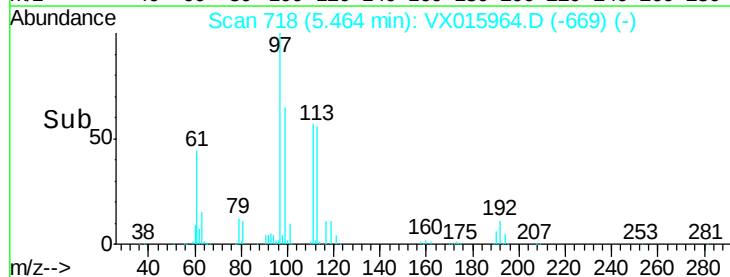
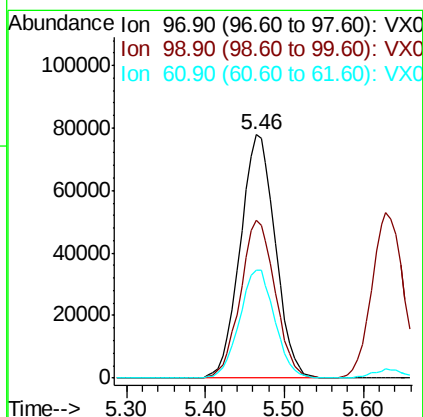
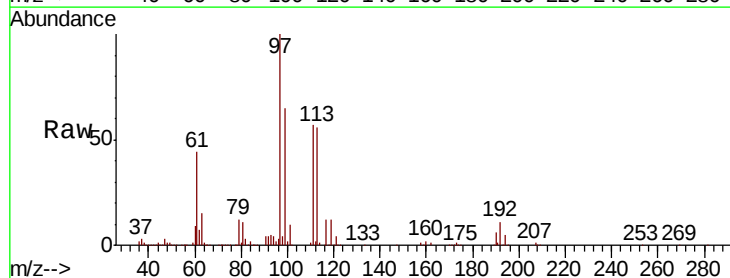
Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

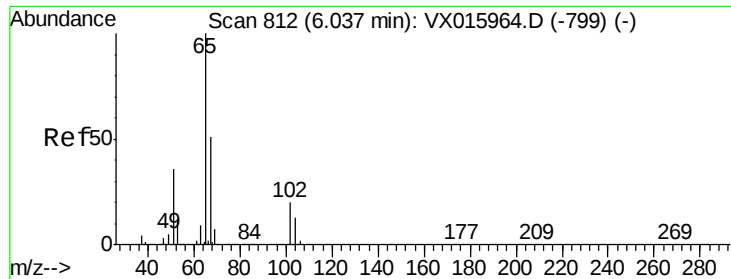
Tot Ion: 56 Resp: 221604
Ion Ratio Lower Upper
56 100
69 31.8 25.4 38.2
84 88.8 71.0 106.6



#32
1,1,1-Trichloroethane
Concen: 49.462 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion: 97 Resp: 240445
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 44.6 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 47.482 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

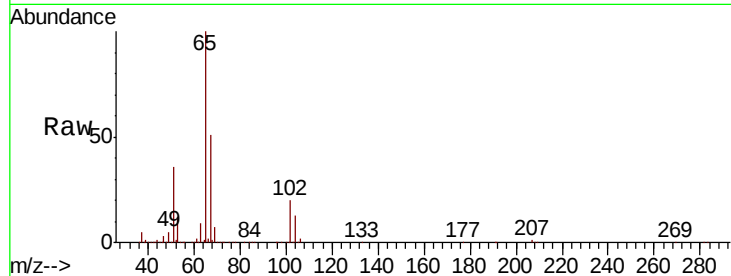
VSTDICCC050

Tot Ion: 65 Resp: 166829

Ion Ratio Lower Upper

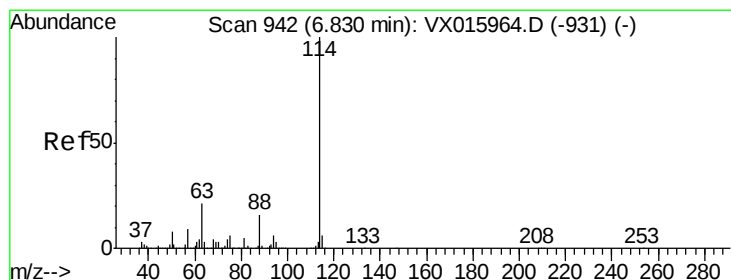
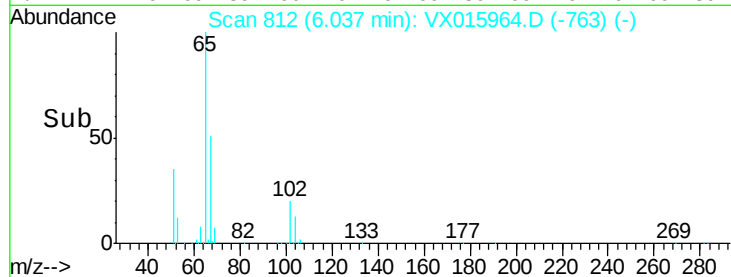
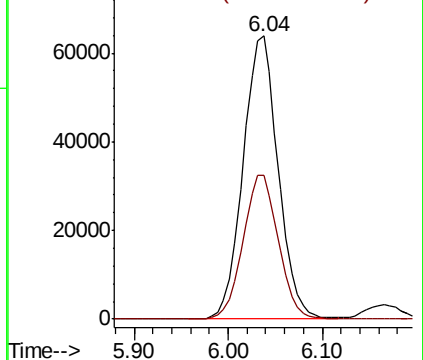
65 100

67 51.2 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

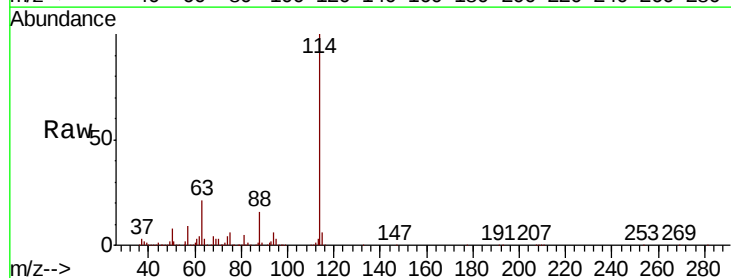
Tgt Ion: 114 Resp: 420780

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.2

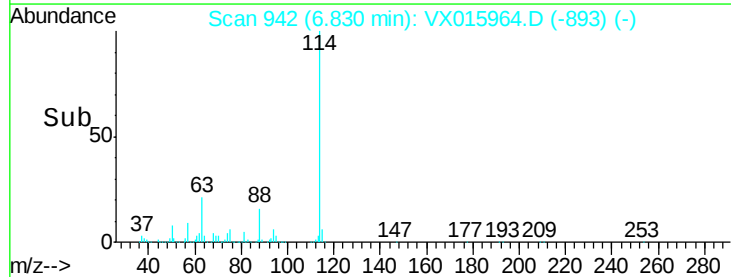
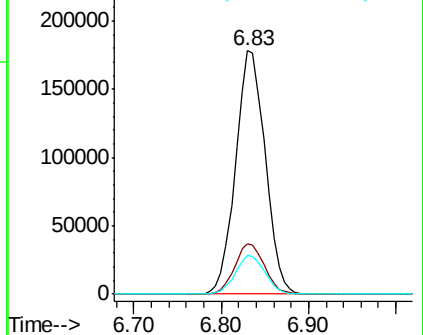
88 15.9 0.0 31.8

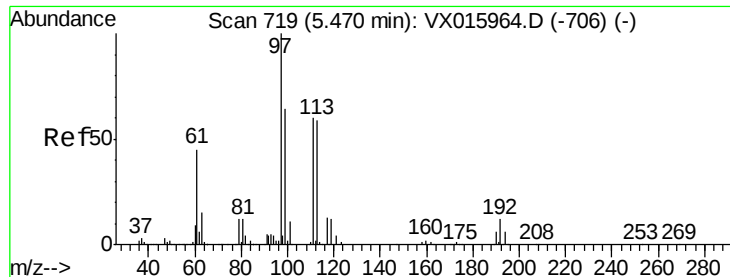


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

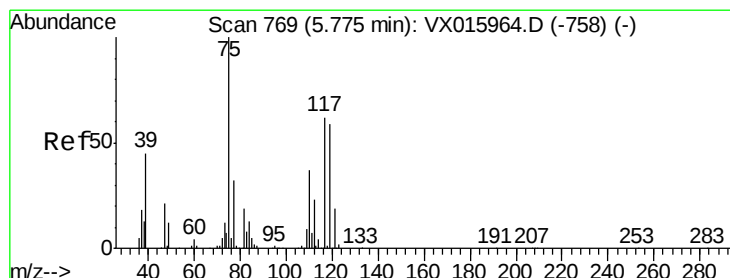
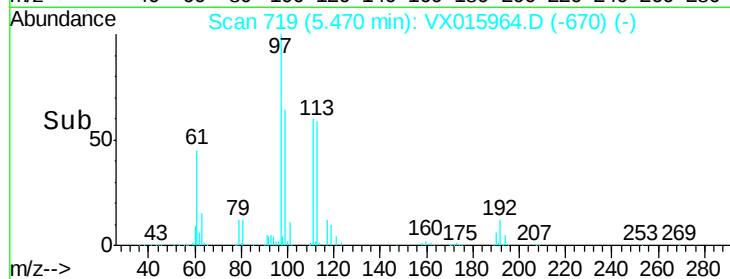
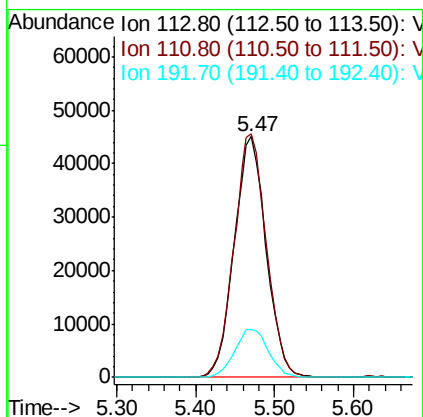
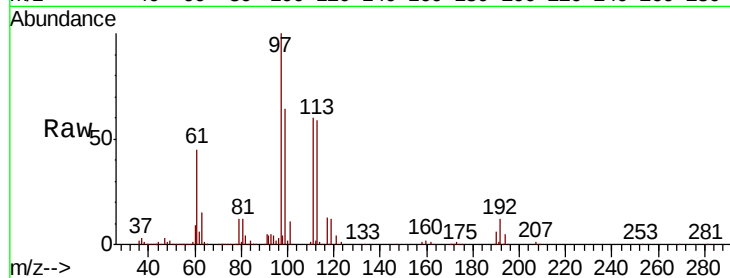




#35
Dibromofluoromethane
Concen: 48.321 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

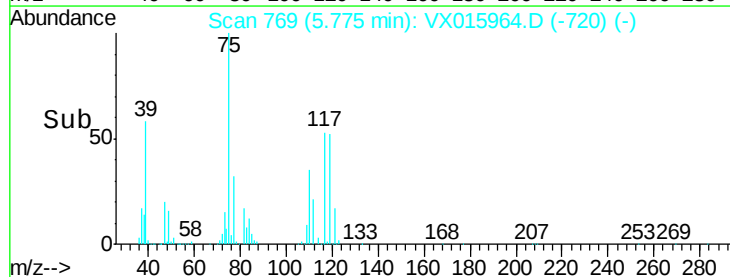
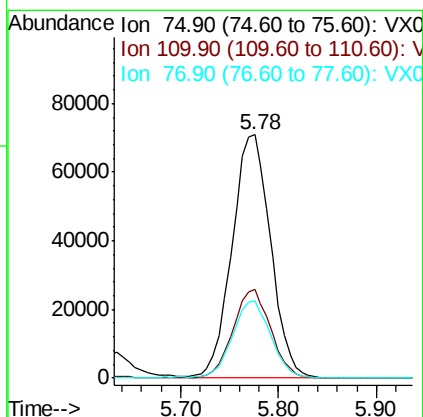
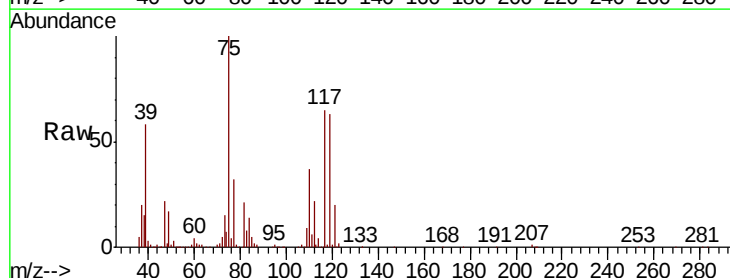
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

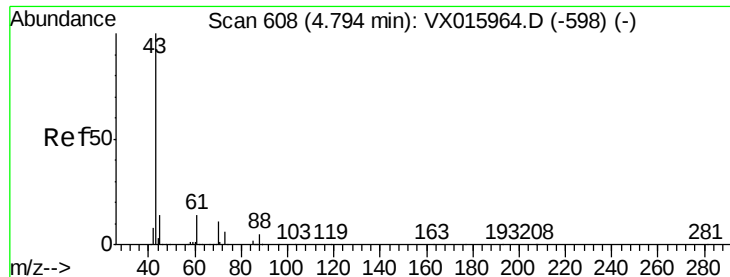
Tot Ion:113 Resp: 126835
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 21.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 48.206 ug/l
RT: 5.78 min Scan# 769
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion: 75 Resp: 193193
Ion Ratio Lower Upper
75 100
110 35.8 17.9 53.7
77 31.5 25.2 37.8

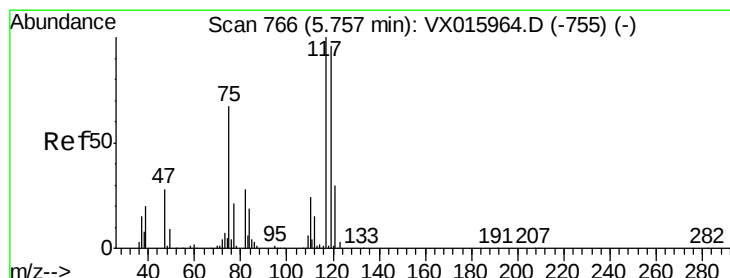
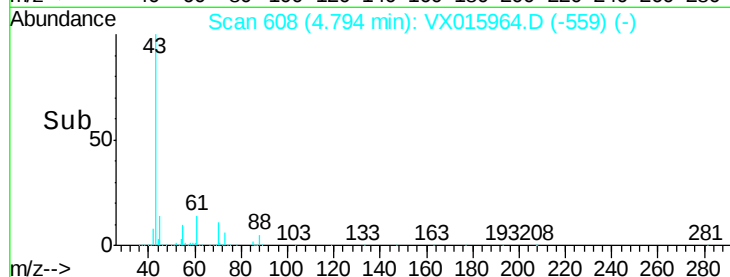
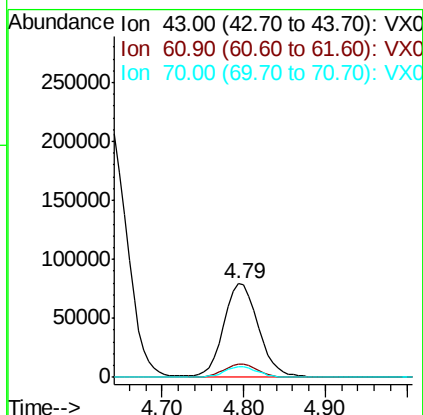
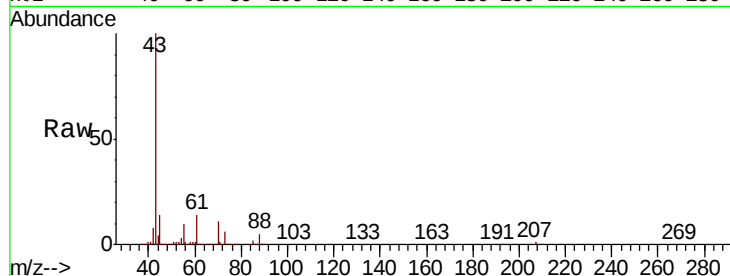




#37
Ethyl Acetate
Concen: 50.574 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

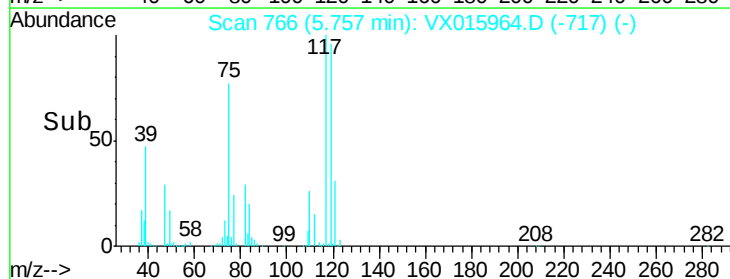
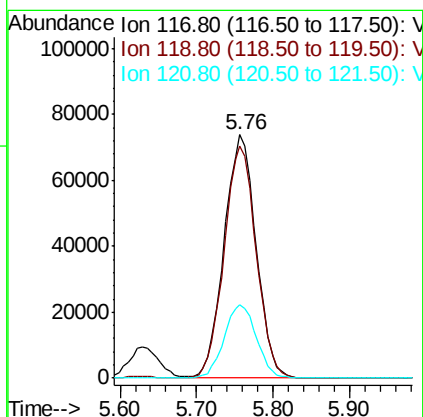
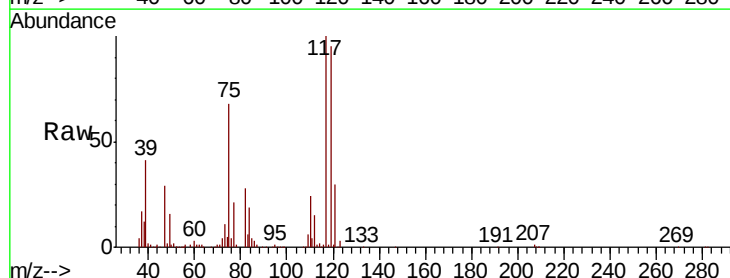
Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

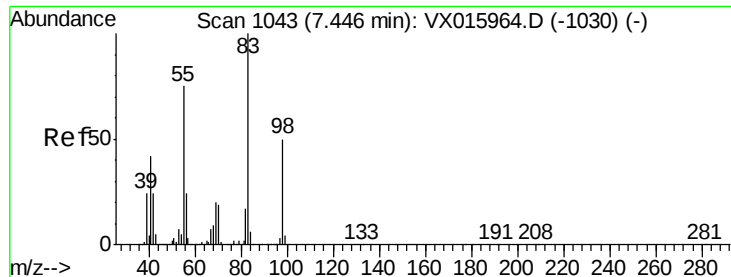
Tot Ion: 43 Resp: 232412
Ion Ratio Lower Upper
43 100
61 14.5 11.6 17.4
70 11.1 8.9 13.3



#38
Carbon Tetrachloride
Concen: 50.233 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion: 117 Resp: 212641
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.4
121 30.3 24.2 36.4

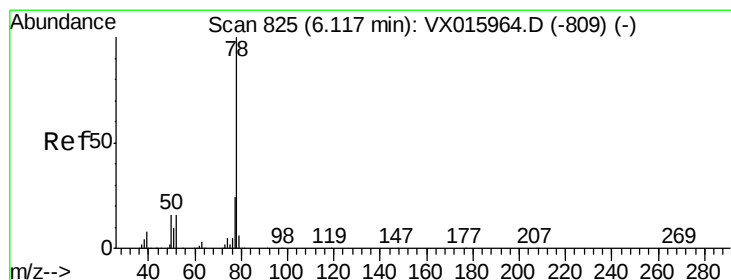
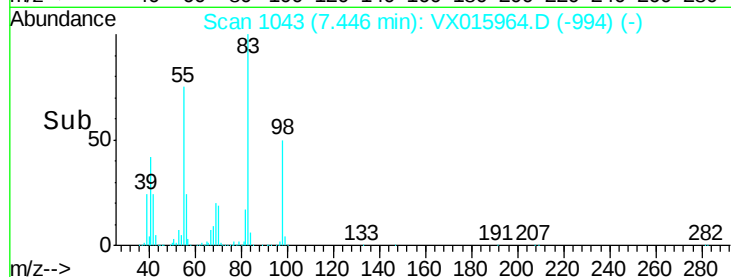
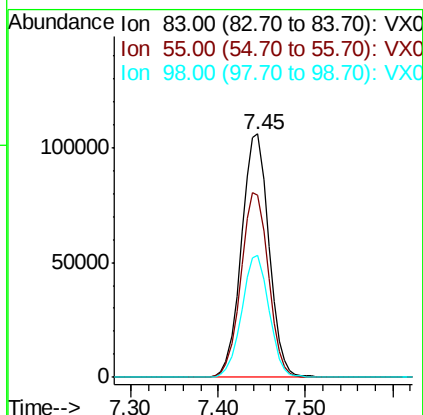
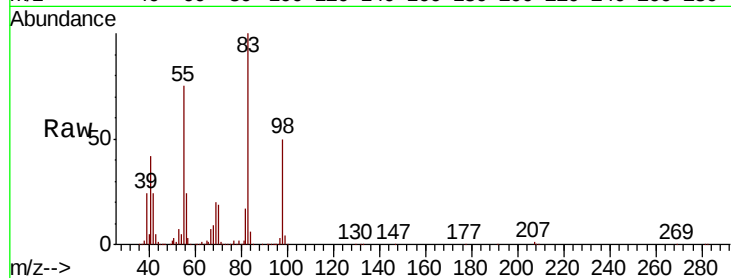




#39
Methvlcvclohexane
Concen: 49.808 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

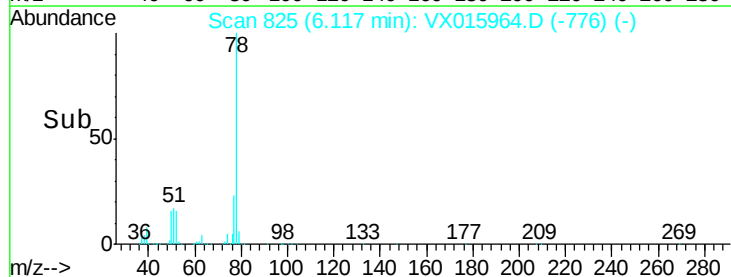
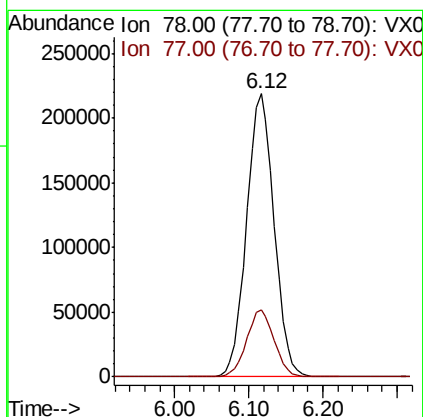
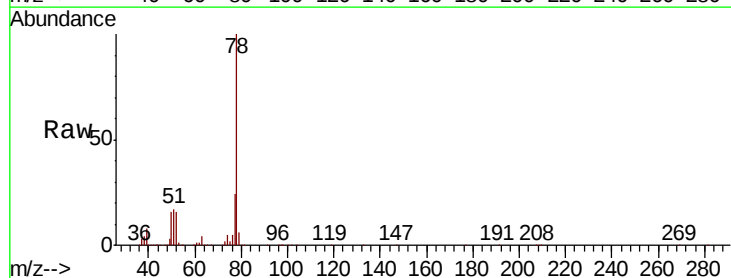
Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

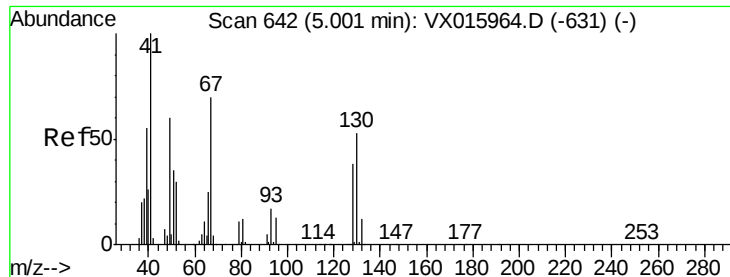
Tot Ion	83.00	Resp	230897
Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.9	89.9
98	49.9	39.9	59.9



#40
Benzene
Concen: 49.593 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion	78.00	Resp	567098
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

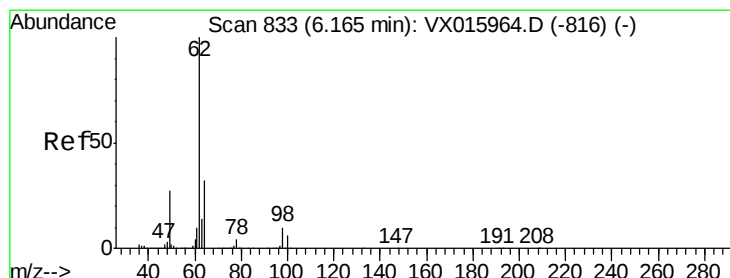
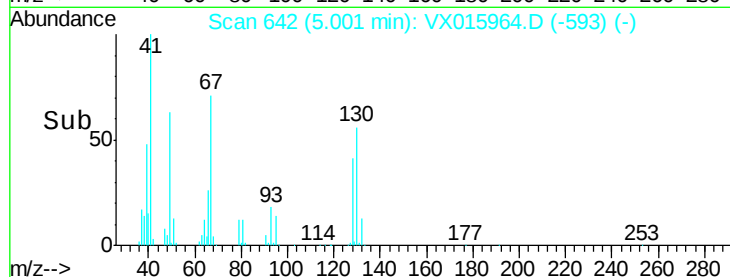
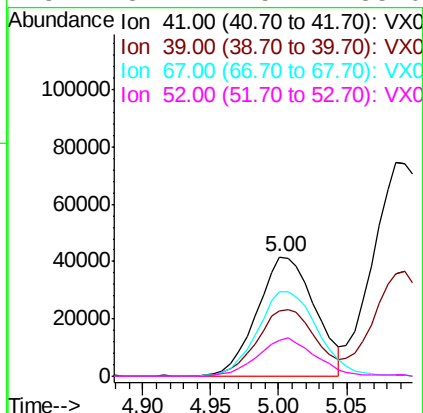
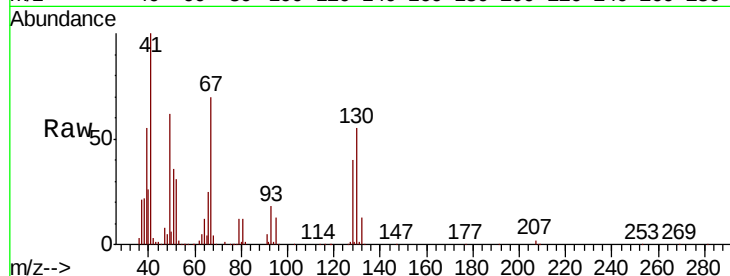




#41
Methacrylonitrile
Concen: 49.957 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

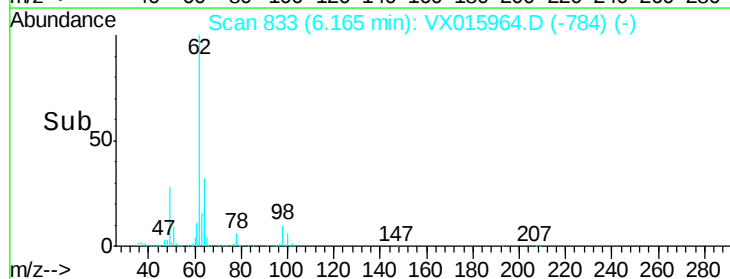
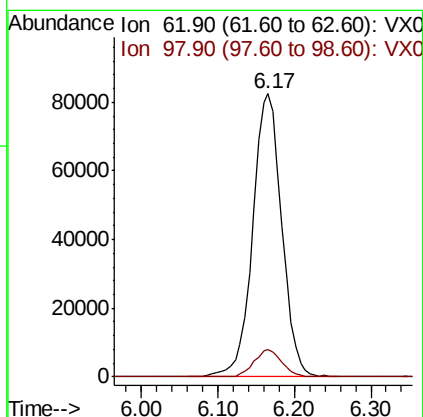
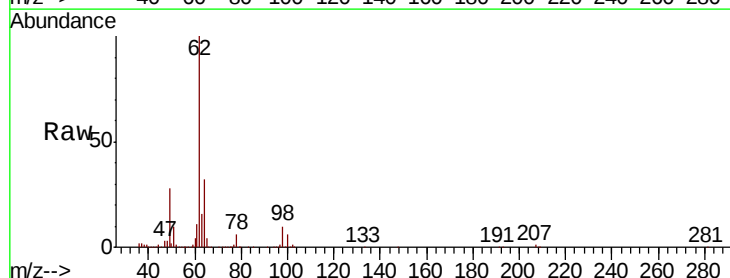
Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

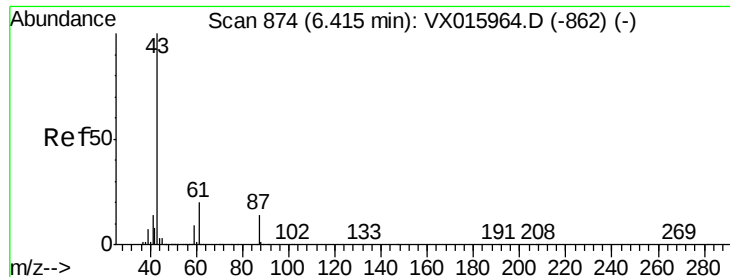
Tot Ion:	41	Resp:	122887
Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.2	67.8
67	74.3	59.4	89.2
52	31.7	25.4	38.0



#42
1,2-Dichloroethane
Concen: 49.170 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion:	62	Resp:	217855
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 50.418 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

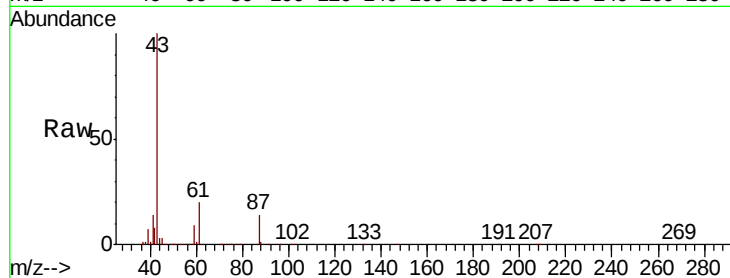
Tot Ion: 43 Resp: 383673

Ion Ratio Lower Upper

43 100

61 20.1 16.1 24.1

87 13.6 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VX015964.D (-862) (-)

Ion 61.00 (60.70 to 61.70): VX015964.D (-862) (-)

Ion 87.00 (86.70 to 87.70): VX015964.D (-862) (-)

6.42

150000

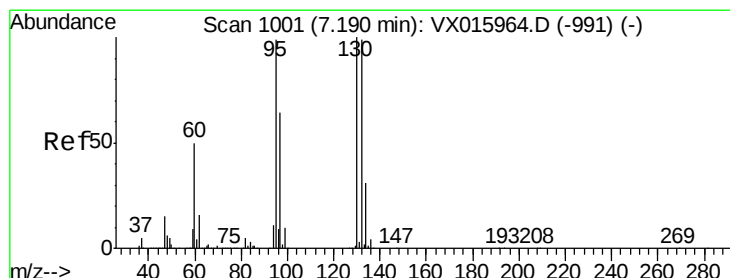
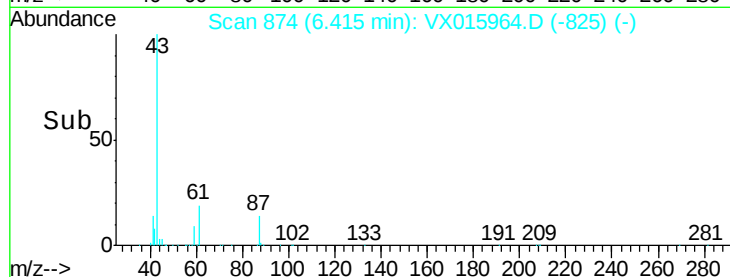
100000

50000

0

6.30 6.40 6.50

Time-->



#44

Trichloroethene

Concen: 48.815 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX015964.D

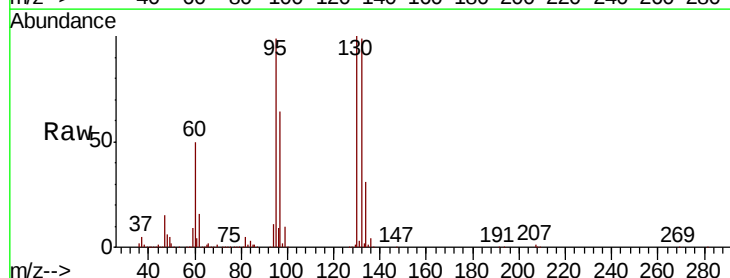
Acq: 28 Apr 2020 16:09

Tgt Ion: 130 Resp: 201198

Ion Ratio Lower Upper

130 100

95 98.7 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): VX015964.D (-991) (-)

Ion 94.90 (94.60 to 95.60): VX015964.D (-991) (-)

7.19

100000

80000

60000

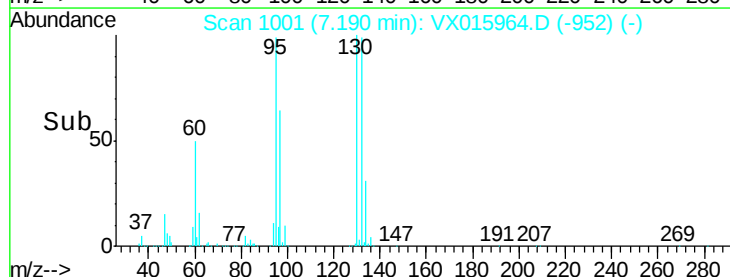
40000

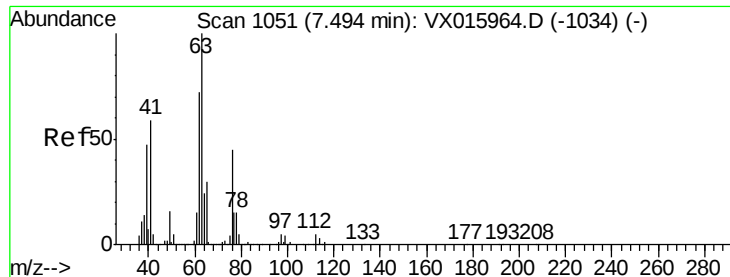
20000

0

7.10 7.20 7.30 7.40

Time-->





#45

1,2-Dichloropropane

Concen: 49.752 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

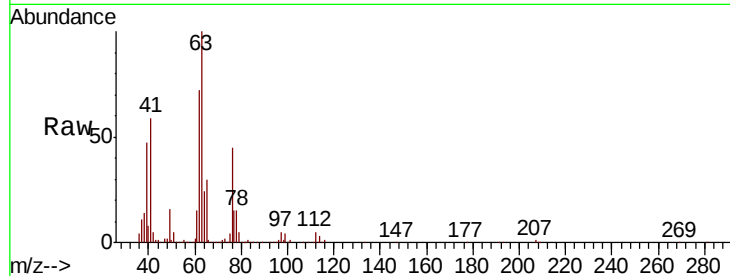
VSTDICCC050

Tot Ion: 63 Resp: 147032

Ion Ratio Lower Upper

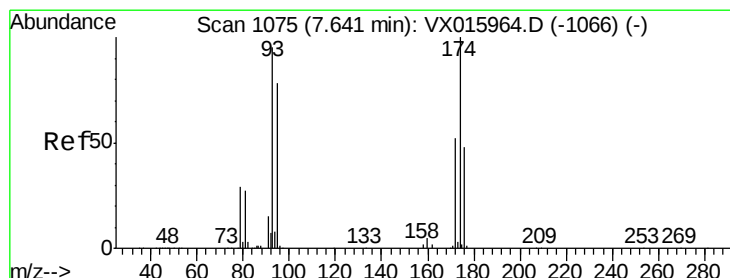
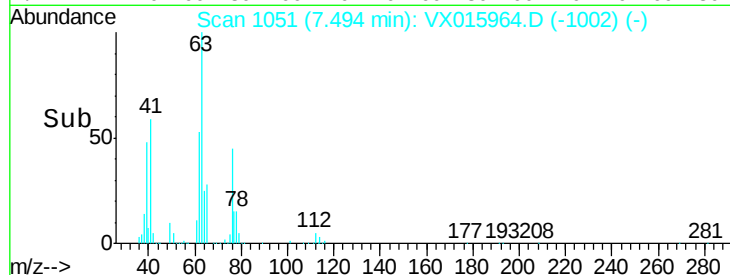
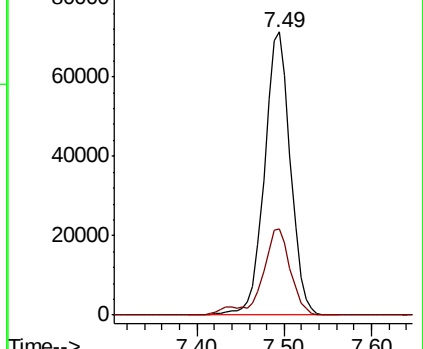
63 100

65 30.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.553 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

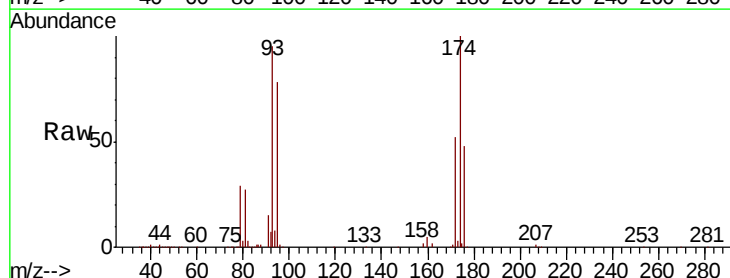
Tgt Ion: 93 Resp: 104059

Ion Ratio Lower Upper

93 100

95 81.9 65.5 98.3

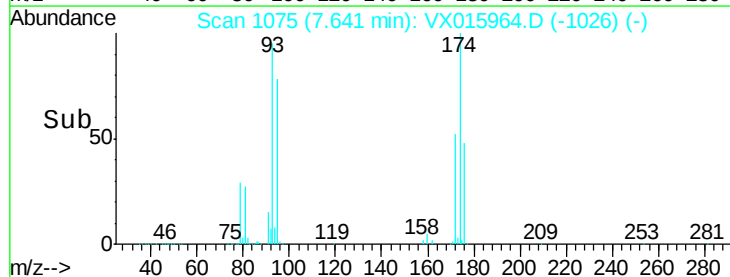
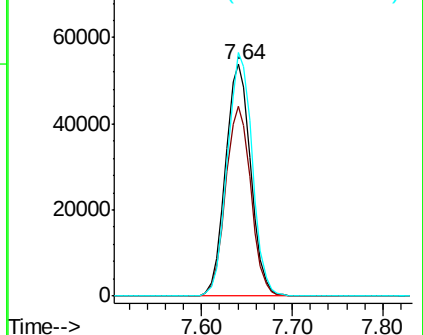
174 103.4 82.7 124.1

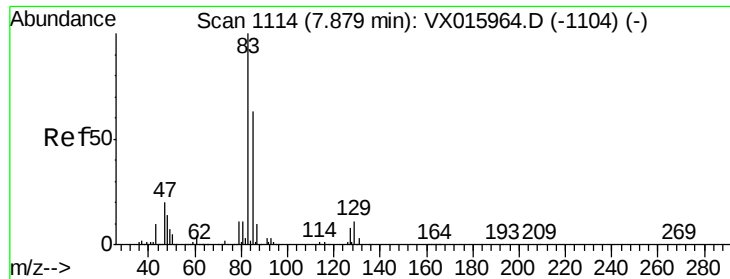


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.841 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

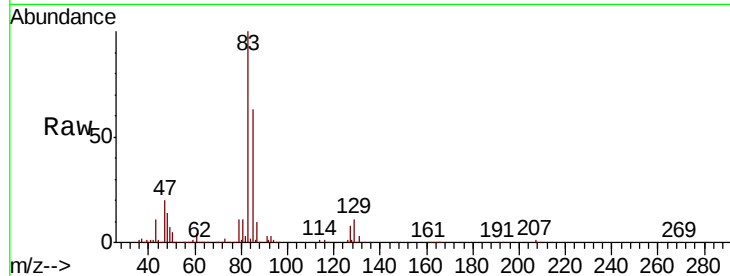
Tot Ion: 83 Resp: 212158

Ion Ratio Lower Upper

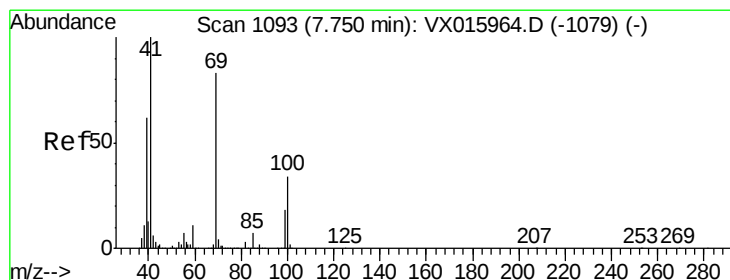
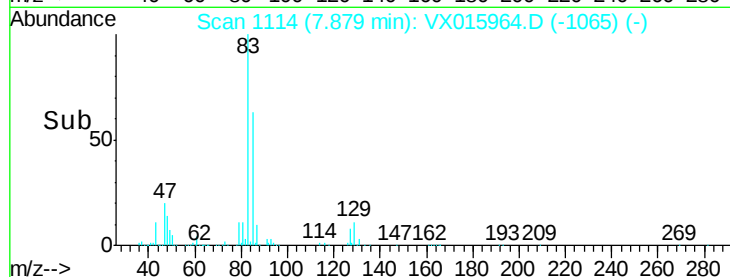
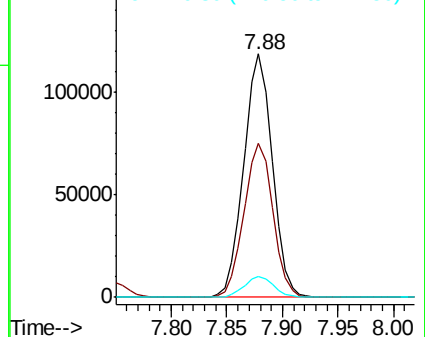
83 100

85 63.2 50.6 75.8

127 8.4 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: 51.708 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

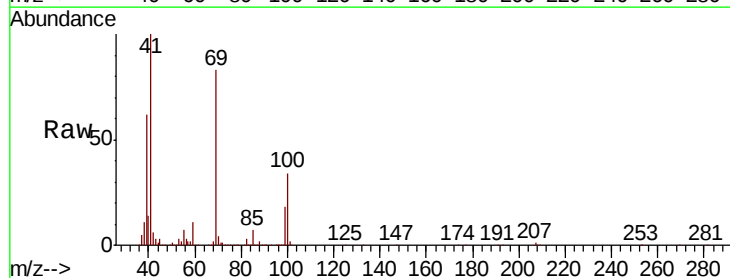
Tgt Ion: 41 Resp: 181676

Ion Ratio Lower Upper

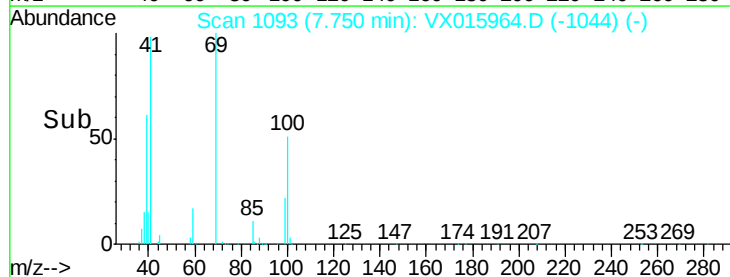
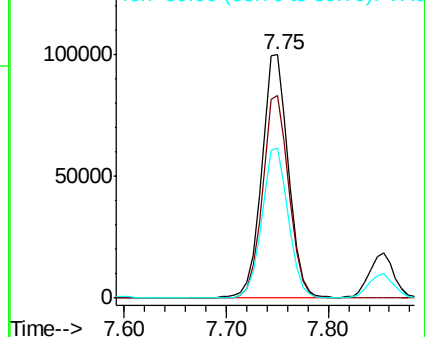
41 100

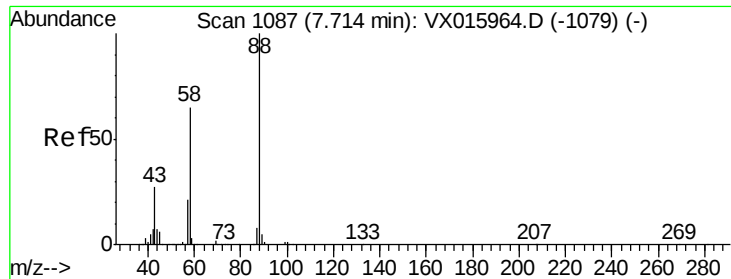
69 82.5 66.0 99.0

39 61.2 49.0 73.4



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





#49

1,4-Dioxane

Concen: 952.452 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

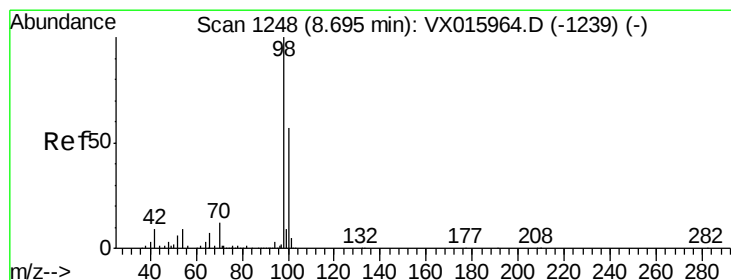
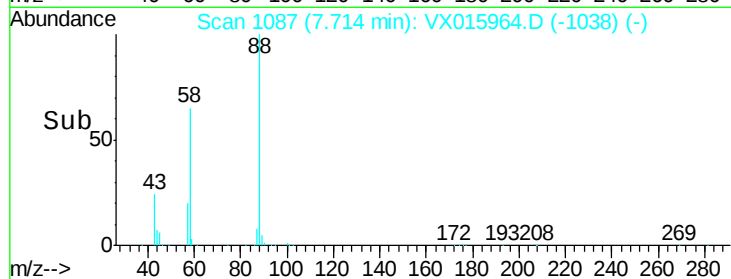
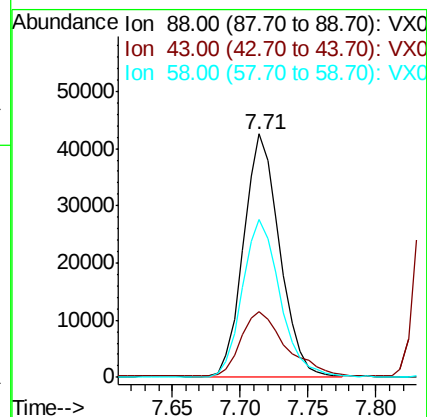
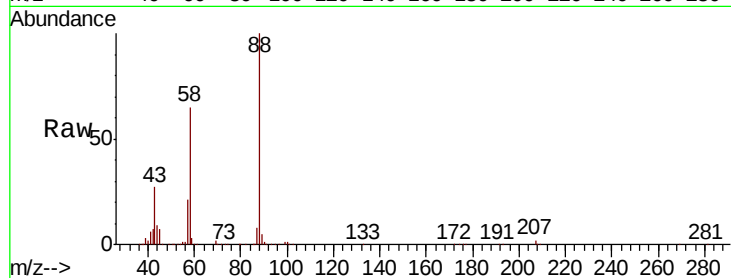
Tot Ion: 88 Resp: 78725

Ion Ratio Lower Upper

88 100

43 33.2 26.6 39.8

58 68.5 54.8 82.2



#50

Toluene-d8

Concen: 48.575 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015964.D

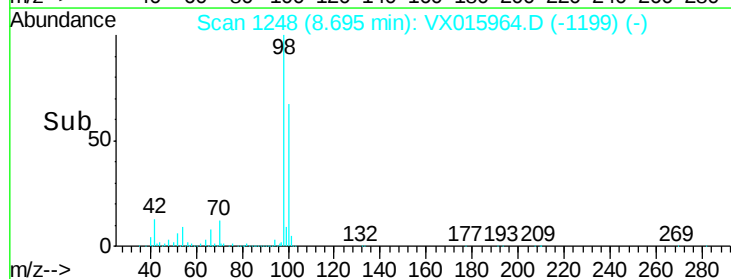
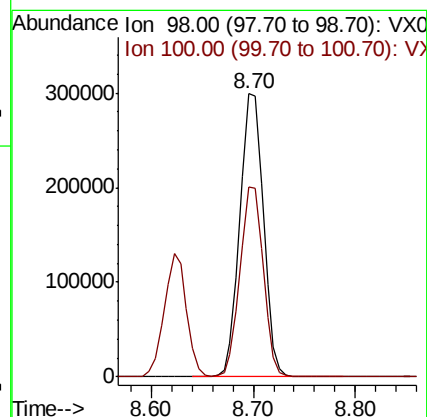
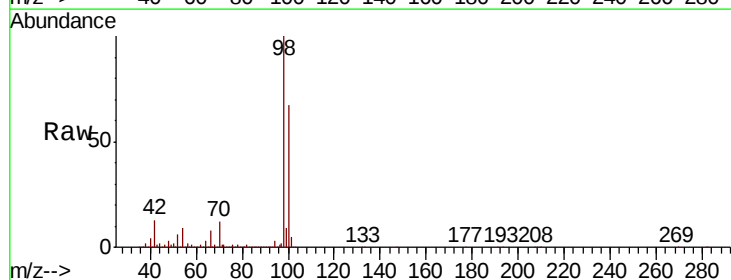
Acq: 28 Apr 2020 16:09

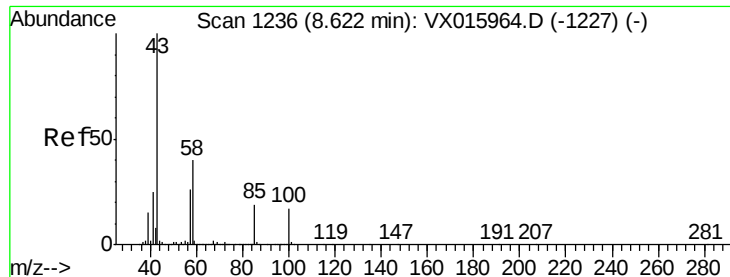
Tgt Ion: 98 Resp: 476714

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 255.776 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

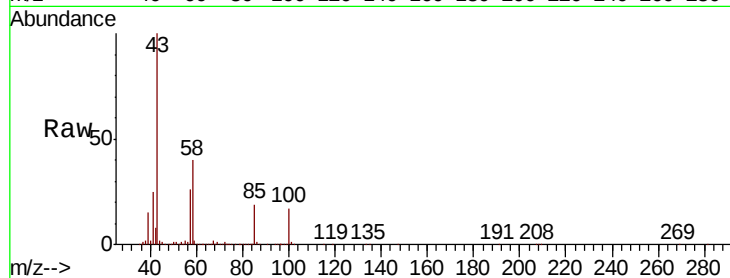
VSTDICCC050

Tot Ion: 43 Resp: 1180637

Ion Ratio Lower Upper

43 100

58 40.0 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

800000

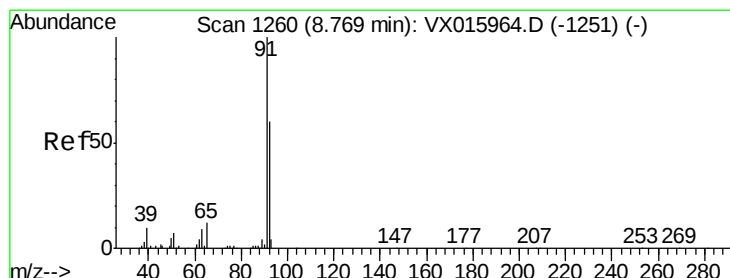
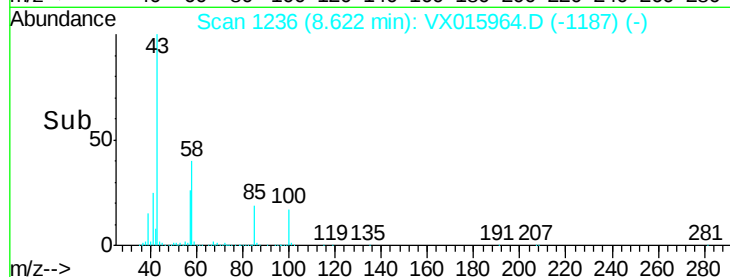
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.311 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015964.D

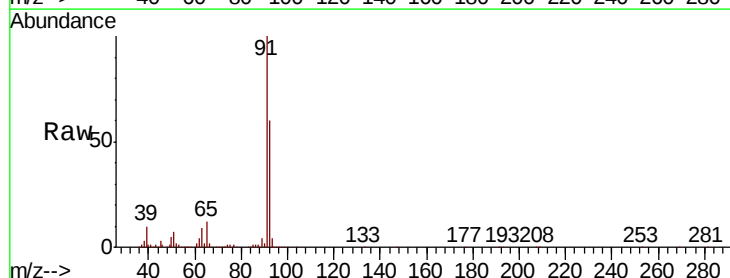
Acq: 28 Apr 2020 16:09

Tgt Ion: 92 Resp: 365182

Ion Ratio Lower Upper

92 100

91 168.3 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

400000

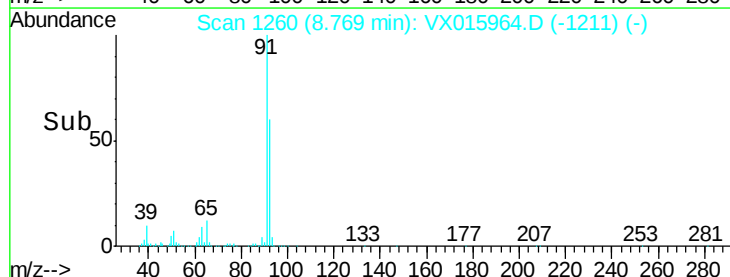
300000

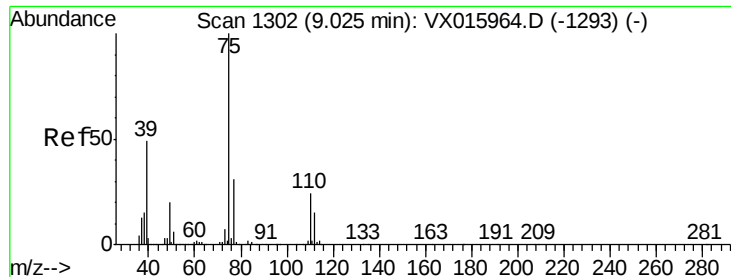
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.635 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

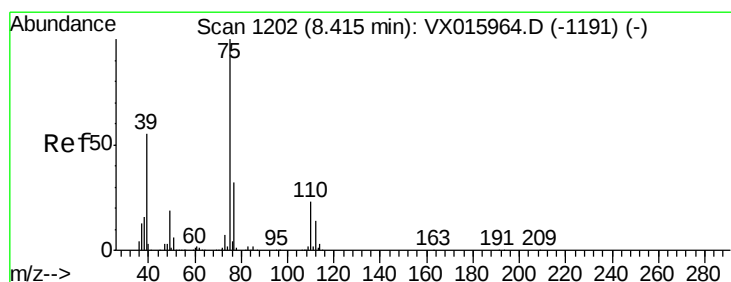
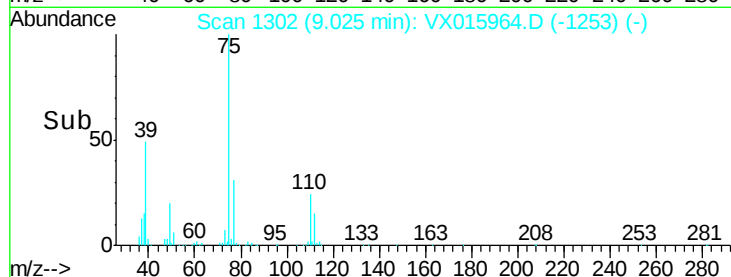
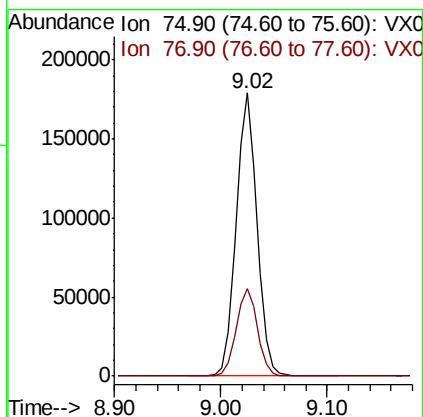
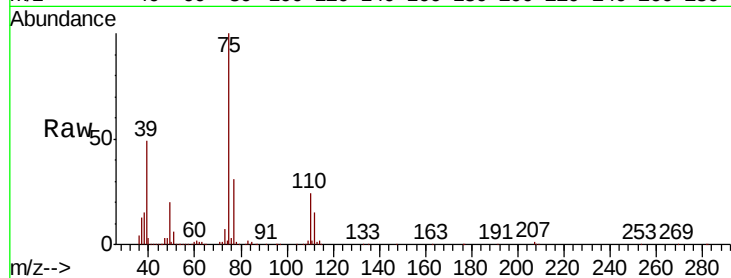
VSTDICCC050

Tot Ion: 75 Resp: 245766

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 49.686 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

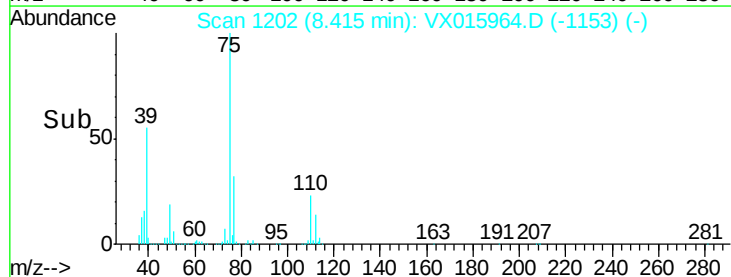
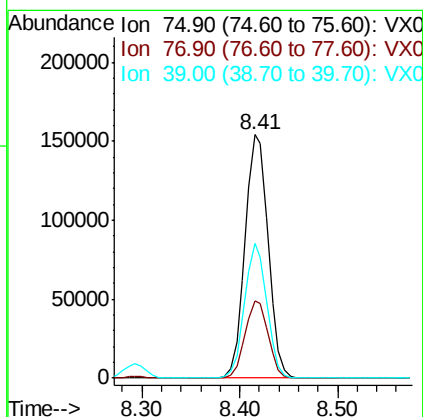
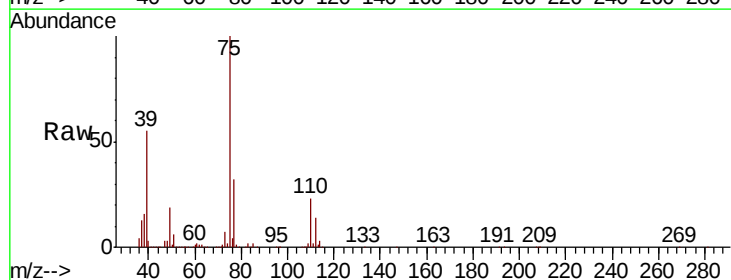
Tgt Ion: 75 Resp: 253026

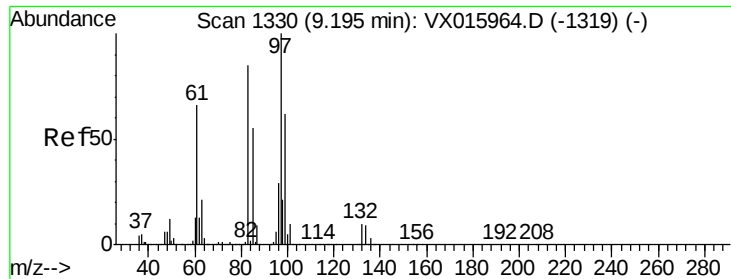
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 55.1 44.1 66.1

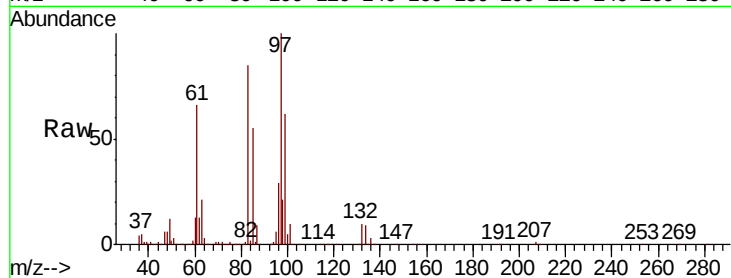




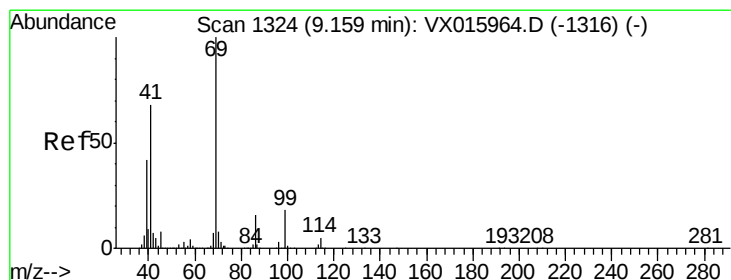
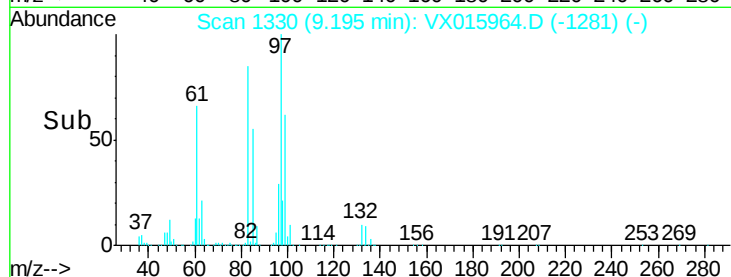
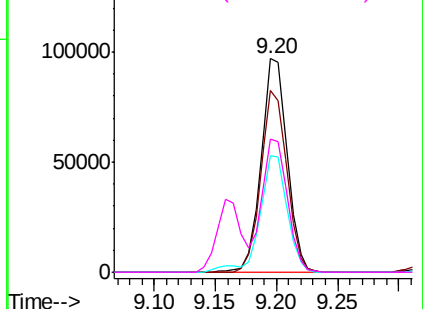
#55
 1,1,2-Trichloroethane
 Concen: 49.848 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015964.D
 Acq: 28 Apr 2020 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 97 Resp: 144597
 Ion Ratio Lower Upper
 97 100
 83 85.2 68.2 102.2
 85 54.6 43.7 65.5
 99 62.1 49.7 74.5

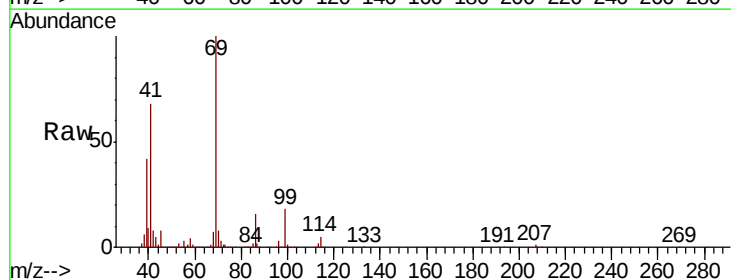


Abundance Ion 96.90 (96.60 to 97.60): VX0
 150000 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

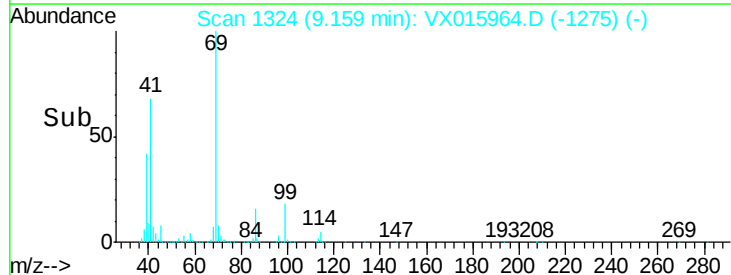
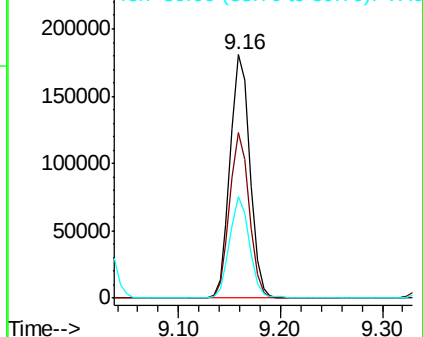


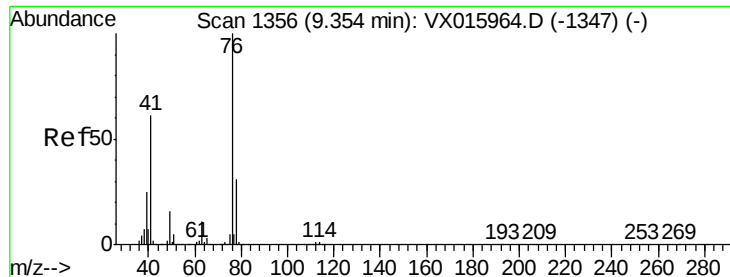
#56
 Ethyl methacrylate
 Concen: 51.297 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015964.D
 Acq: 28 Apr 2020 16:09

Tgt Ion: 69 Resp: 241953
 Ion Ratio Lower Upper
 69 100
 41 66.9 53.5 80.3
 39 41.7 33.4 50.0



Abundance Ion 69.00 (68.70 to 69.70): VX0
 250000 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.249 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

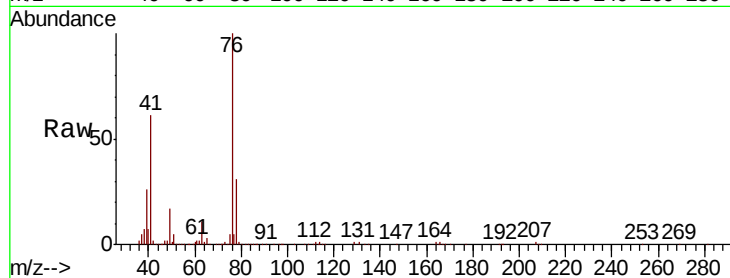
VSTDICCC050

Tot Ion: 76 Resp: 250439

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

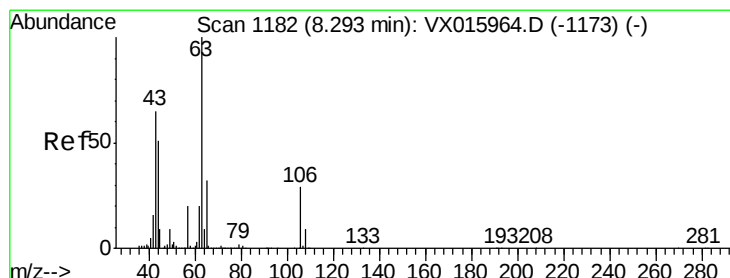
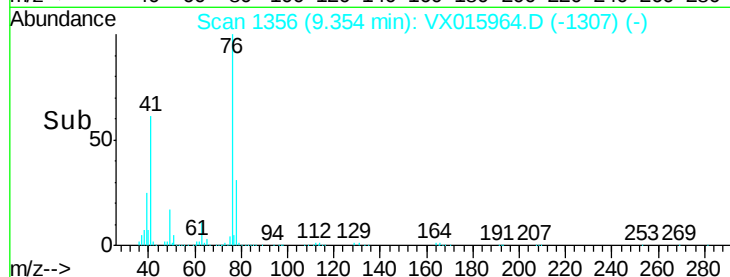
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 251.484 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX015964.D

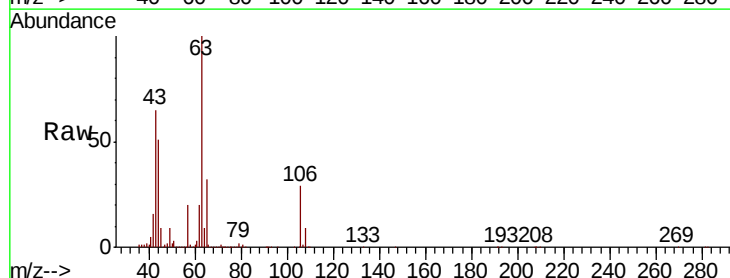
Acq: 28 Apr 2020 16:09

Tgt Ion: 63 Resp: 612968

Ion Ratio Lower Upper

63 100

106 29.5 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

400000

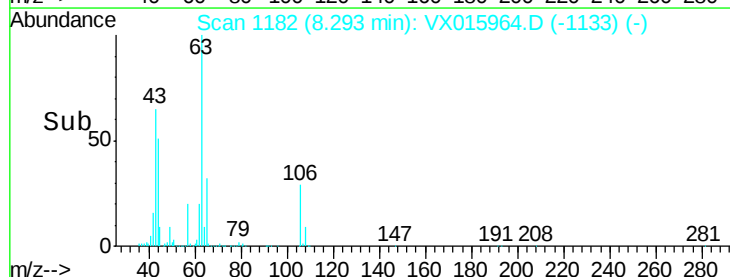
300000

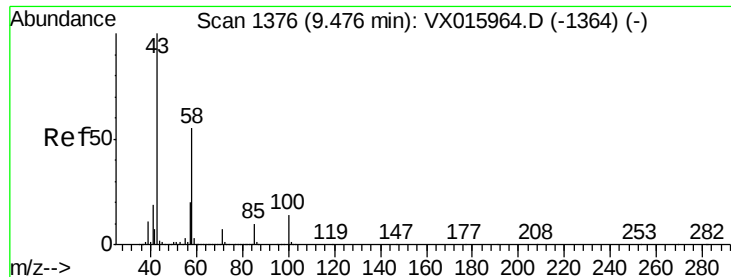
200000

100000

0

Time-->

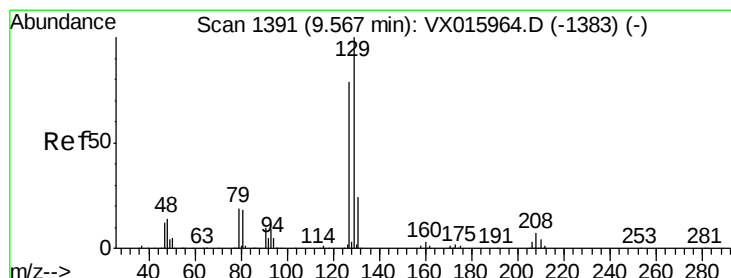
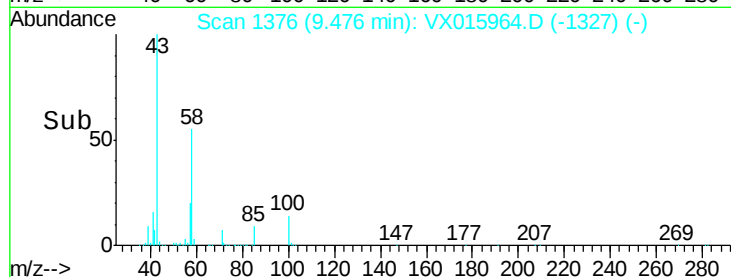
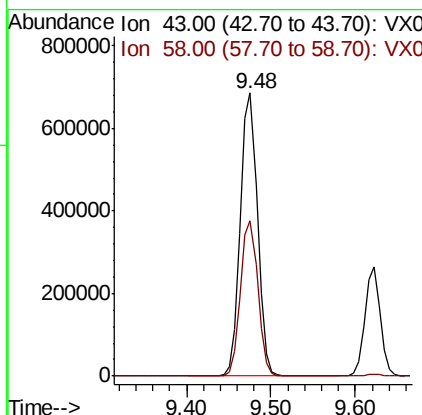
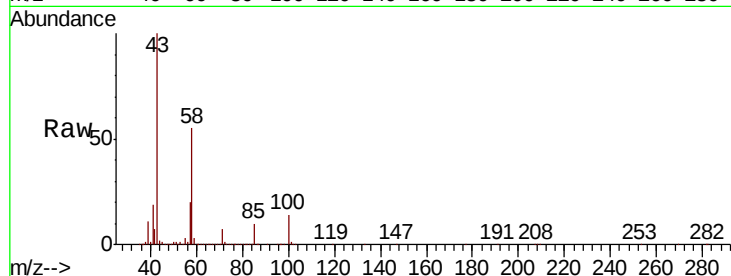




#59
2-Hexanone
Concen: 256.553 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

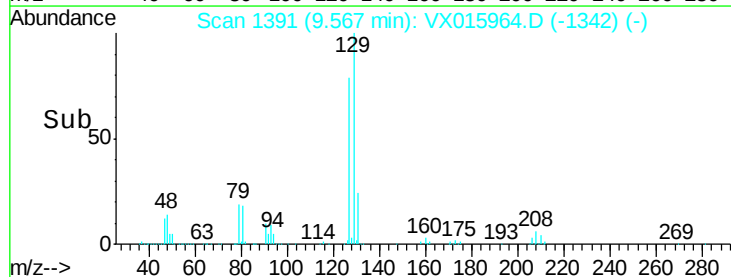
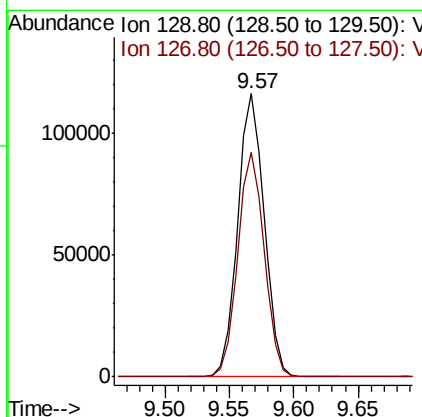
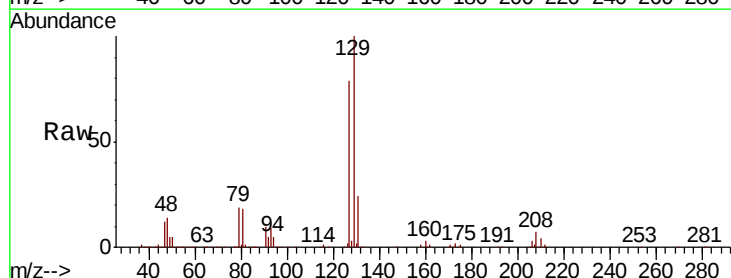
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

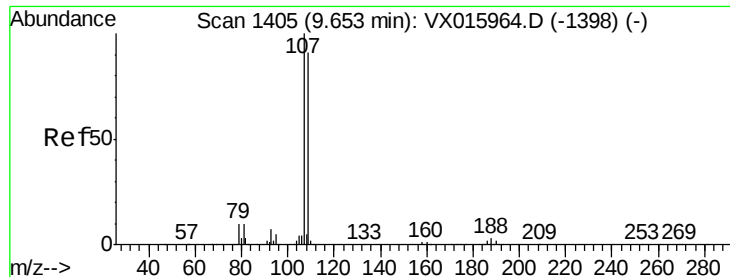
Tot Ion: 43 Resp: 925479
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.1



#60
Dibromochloromethane
Concen: 51.036 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion: 129 Resp: 165696
Ion Ratio Lower Upper
129 100
127 78.7 39.4 118.1





#61

1,2-Dibromoethane

Concen: 50.815 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

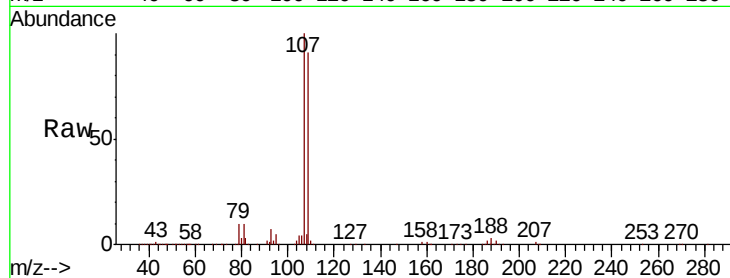
VSTDICCC050

Tot Ion:107 Resp: 159839

Ion Ratio Lower Upper

107 100

109 93.6 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

120000

100000

80000

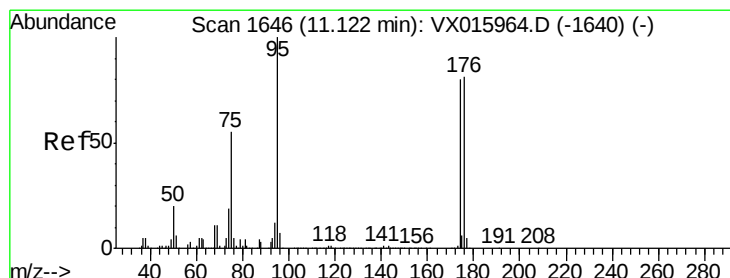
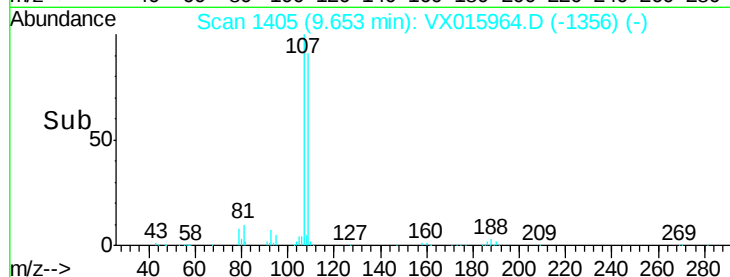
60000

40000

20000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.872 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

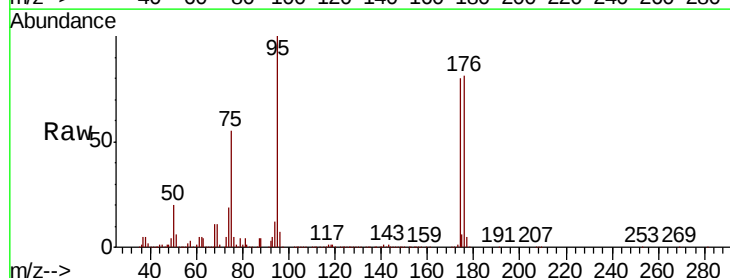
Tgt Ion: 95 Resp: 184271

Ion Ratio Lower Upper

95 100

174 82.5 0.0 165.0

176 81.6 0.0 163.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

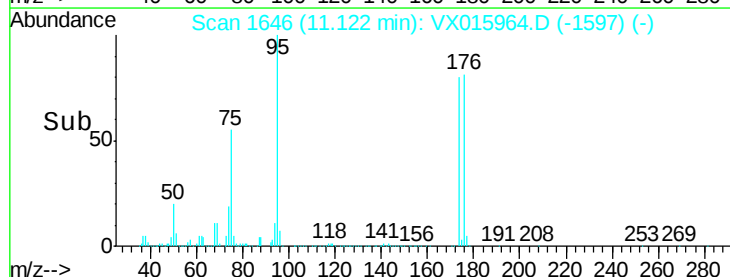
150000

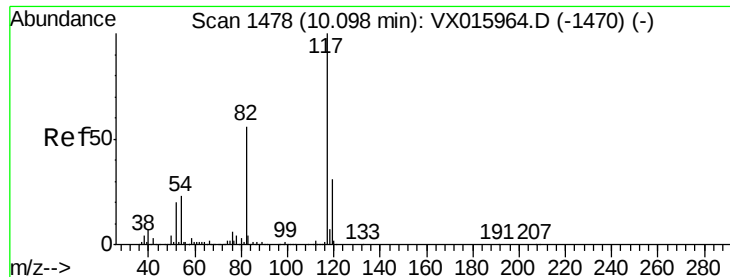
100000

50000

0

Time--> 11.10 11.20

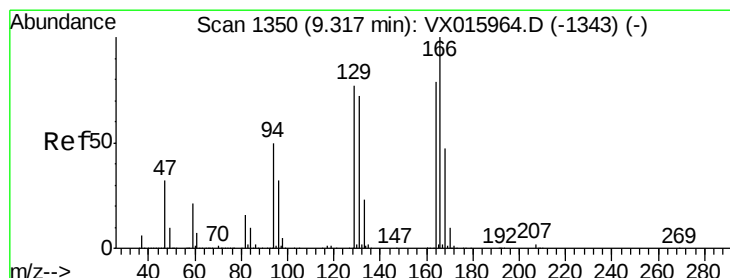
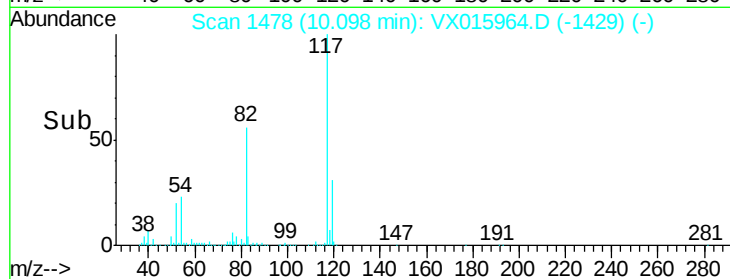
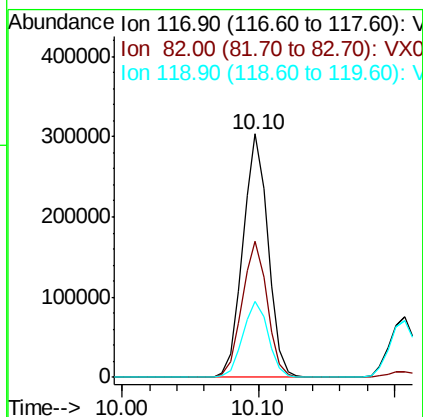
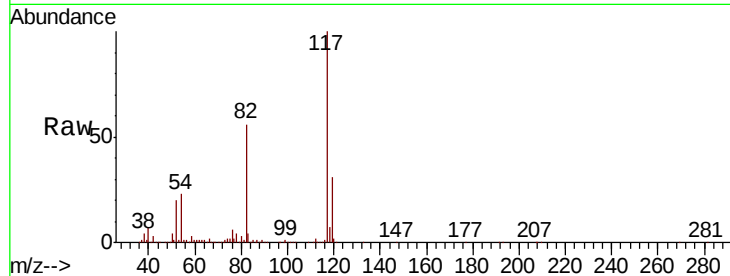




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

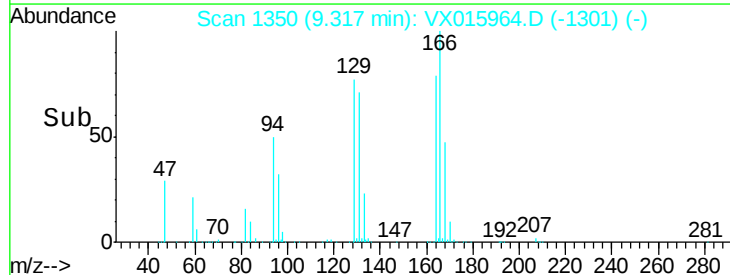
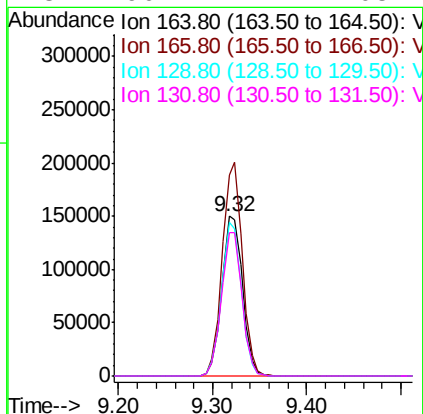
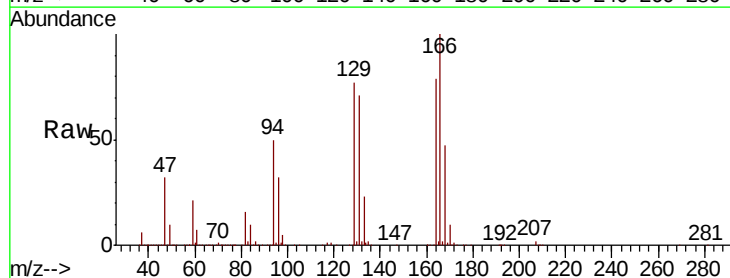
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

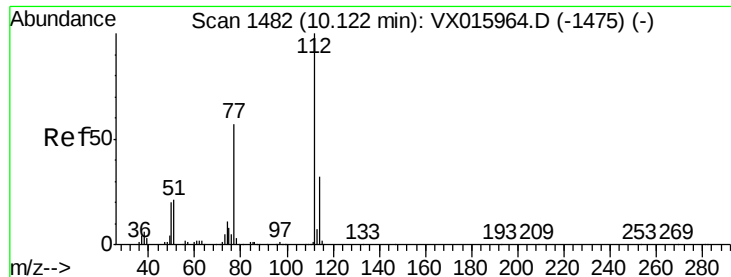
Tot Ion:117 Resp: 389682
Ion Ratio Lower Upper
117 100
82 55.6 44.5 66.7
119 31.3 25.0 37.6



#64
Tetrachloroethene
Concen: 49.200 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion:164 Resp: 227441
Ion Ratio Lower Upper
164 100
166 126.2 101.0 151.4
129 96.7 77.4 116.0
131 90.2 72.2 108.2

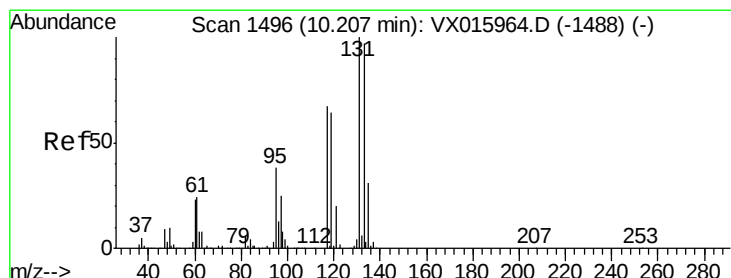
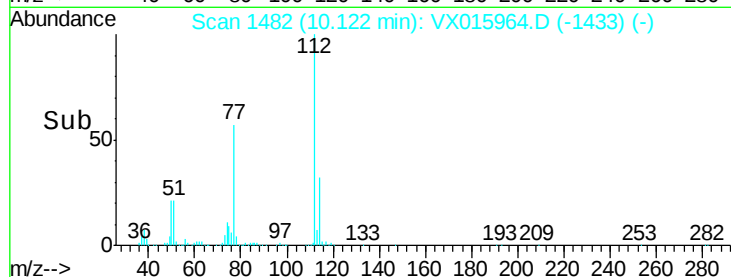
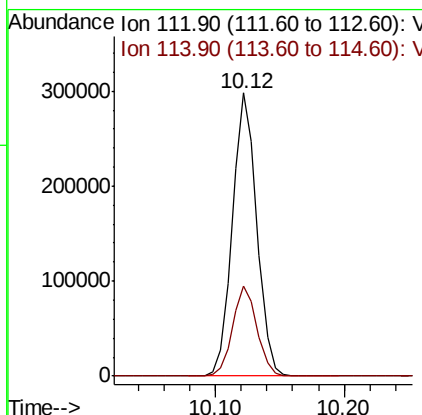
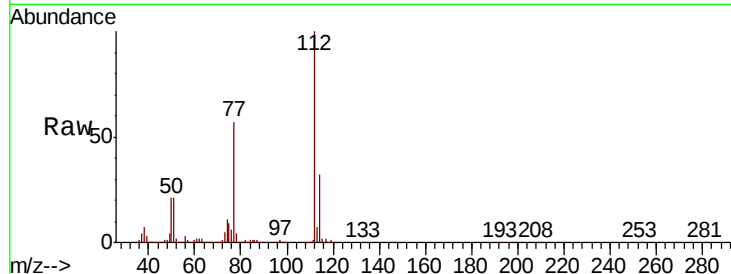




#65
Chlorobenzene
Concen: 49.636 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

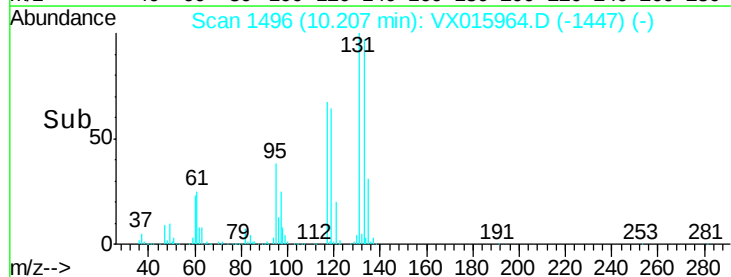
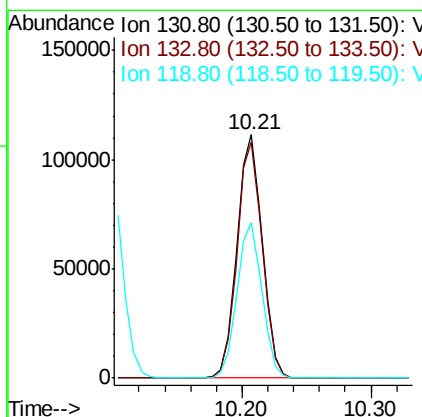
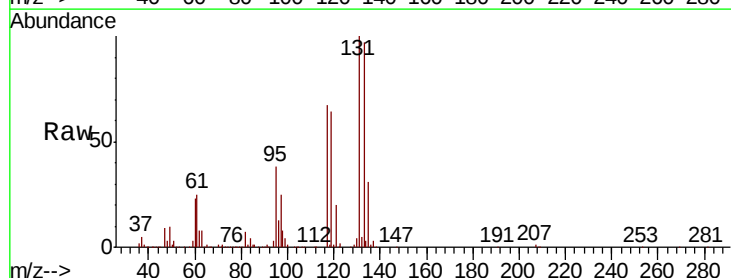
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

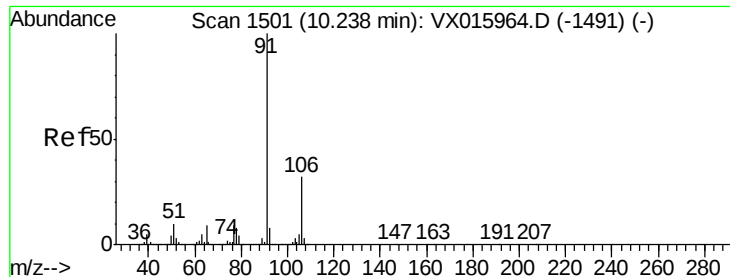
Tot Ion:112 Resp: 393954
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.417 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion:131 Resp: 151237
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 63.2 31.6 94.8





#67

Ethyl Benzene

Concen: 49.692 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

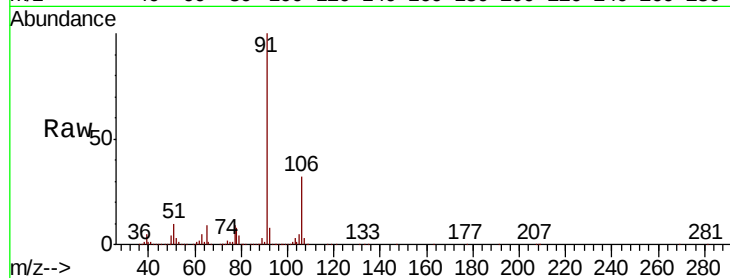
VSTDICCC050

Tot Ion: 91 Resp: 702371

Ion Ratio Lower Upper

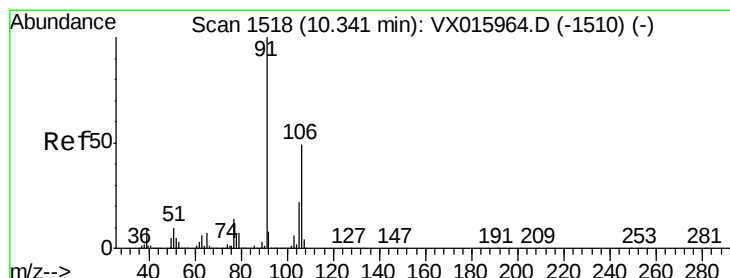
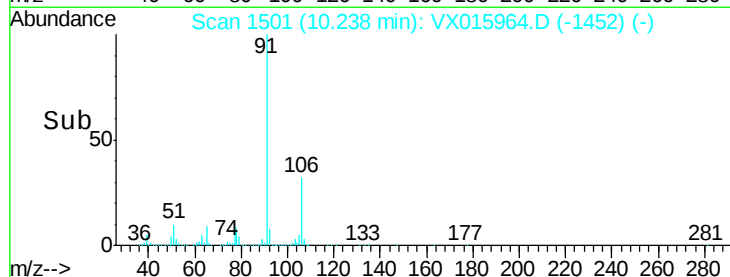
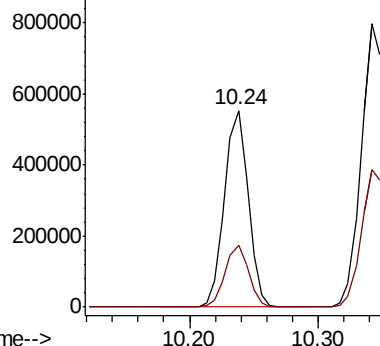
91 100

106 31.6 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.144 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX015964.D

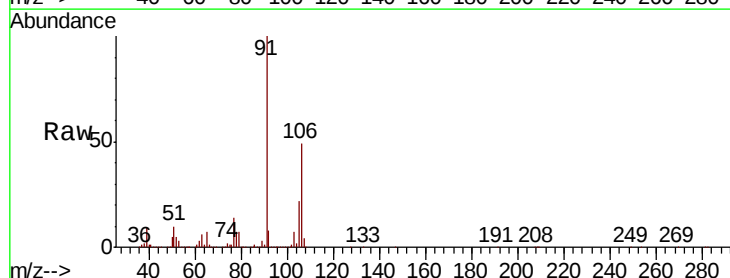
Acq: 28 Apr 2020 16:09

Tgt Ion: 106 Resp: 537103

Ion Ratio Lower Upper

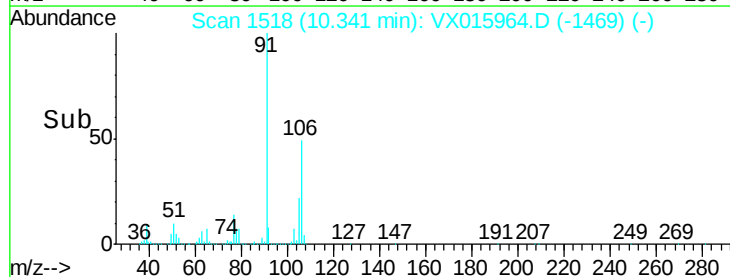
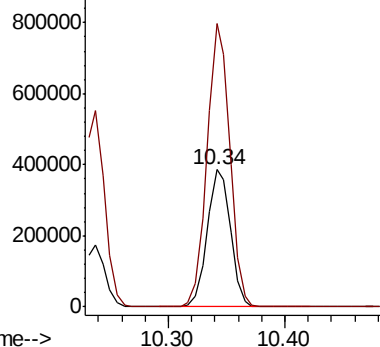
106 100

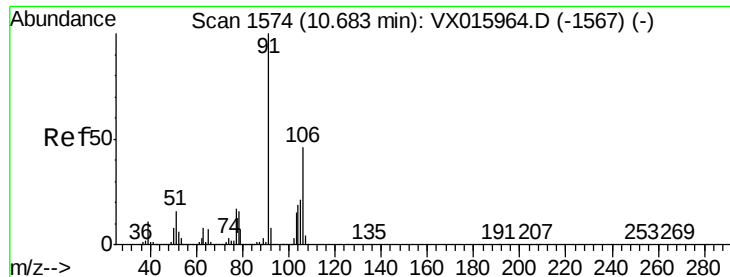
91 202.0 161.6 242.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

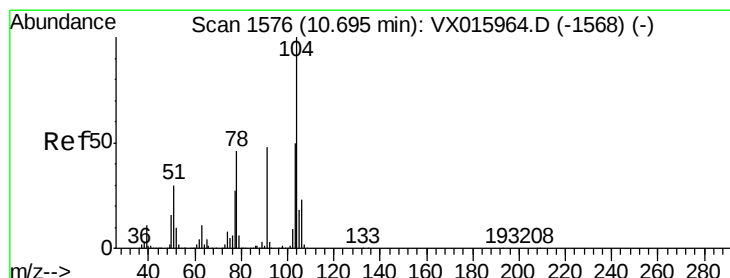
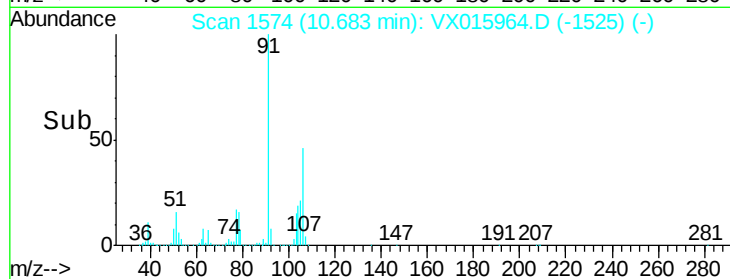
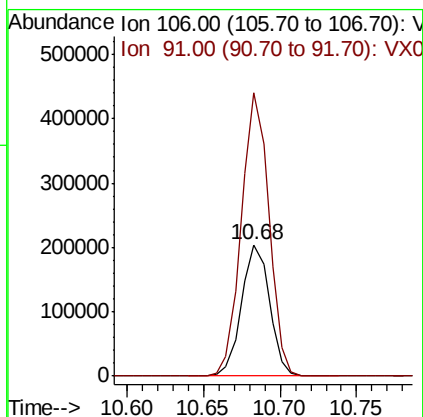
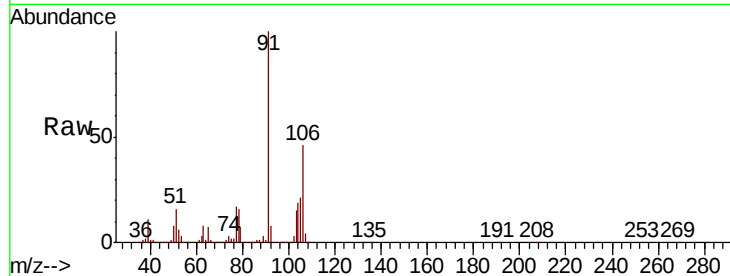




#69
o-Xylene
Concen: 51.023 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

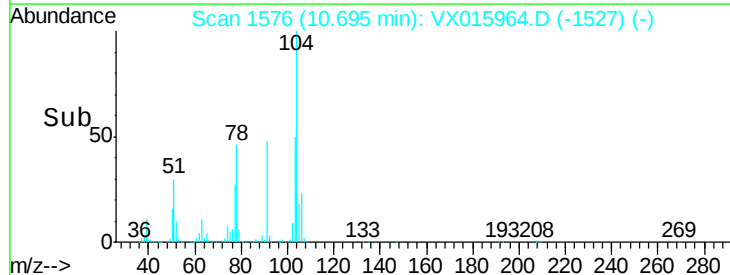
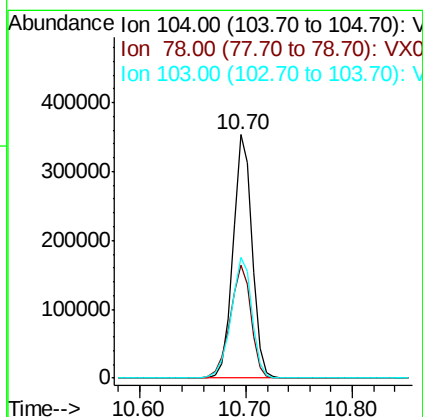
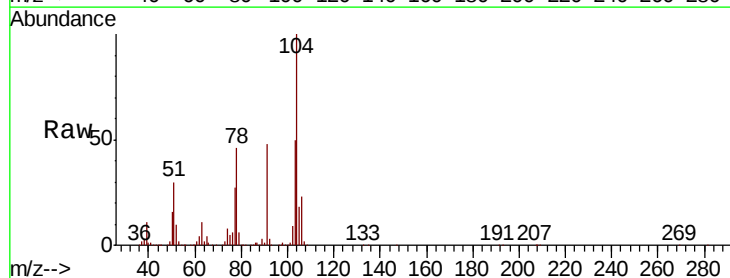
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

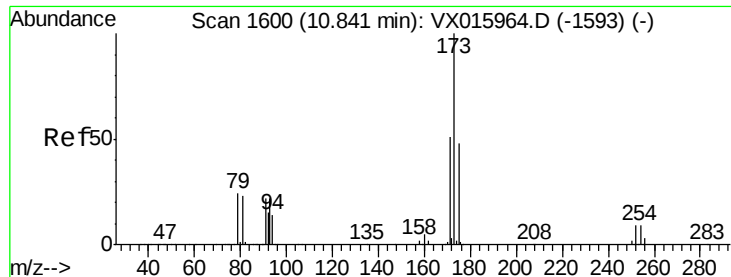
Tot Ion:106 Resp: 259816
Ion Ratio Lower Upper
106 100
91 212.2 106.1 318.3



#70
Styrene
Concen: 50.734 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion:104 Resp: 443284
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 54.3 43.4 65.2





#71

Bromoform

Concen: 52.484 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

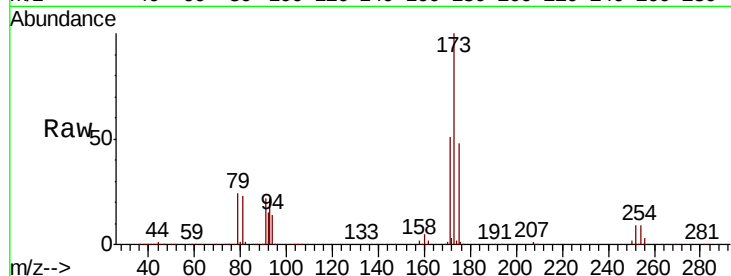
Tot Ion:173 Resp: 127545

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.4

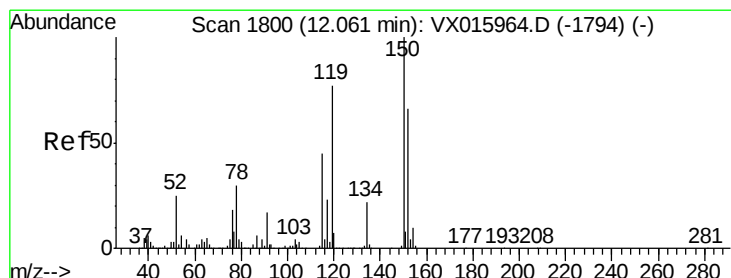
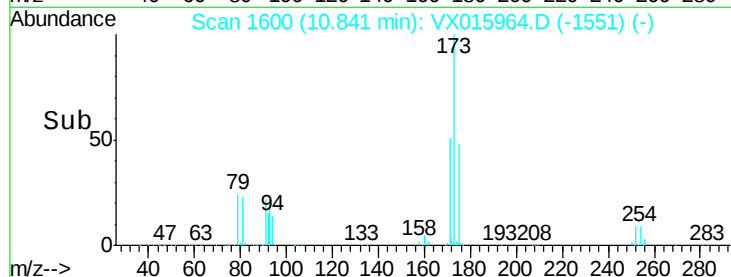
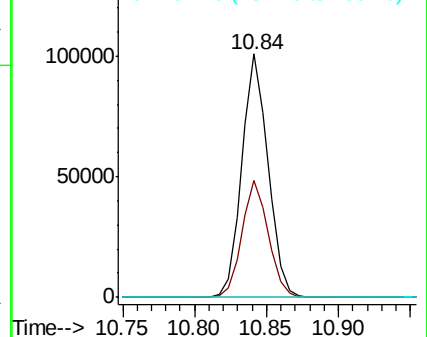
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

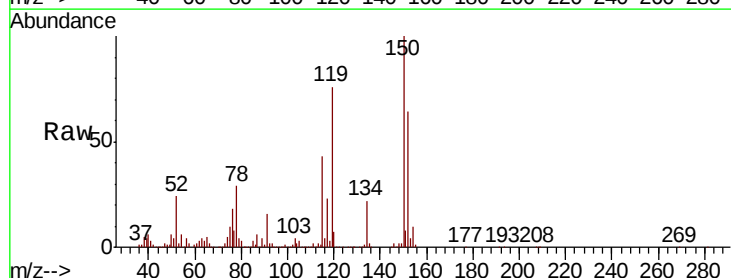
Tgt Ion:152 Resp: 202745

Ion Ratio Lower Upper

152 100

115 81.8 40.9 122.7

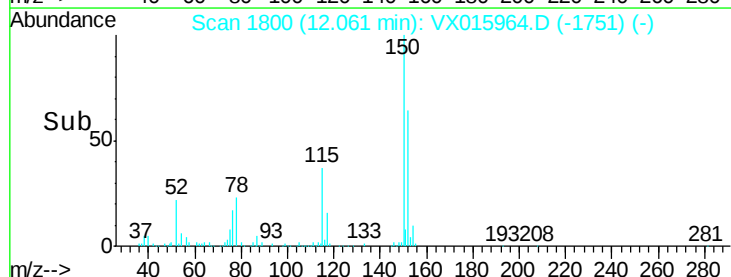
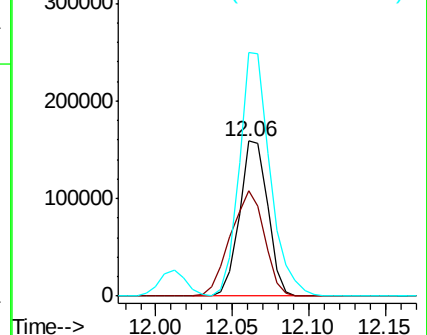
150 171.2 0.0 342.4

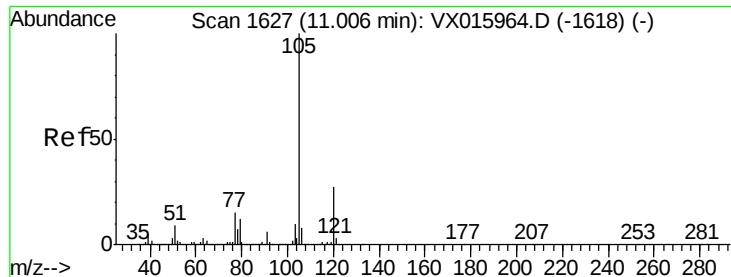


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.674 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

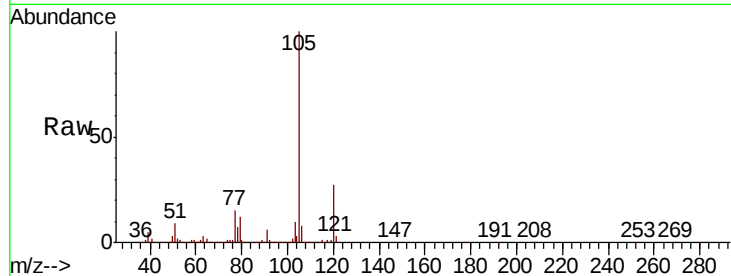
VSTDICCC050

Tot Ion:105 Resp: 698914

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

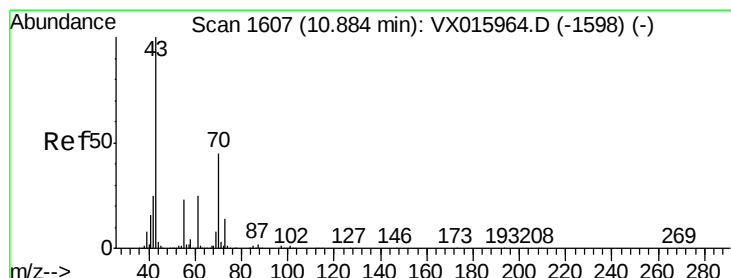
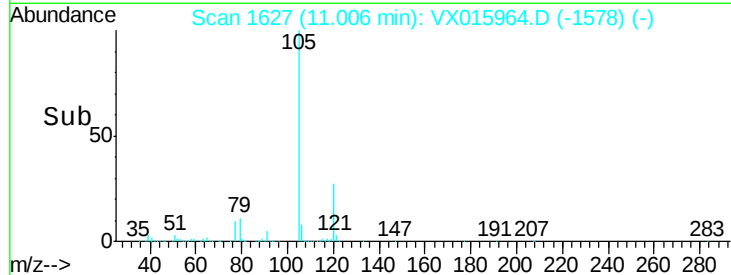
0

11.01

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 50.728 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Tgt Ion: 43 Resp: 337442

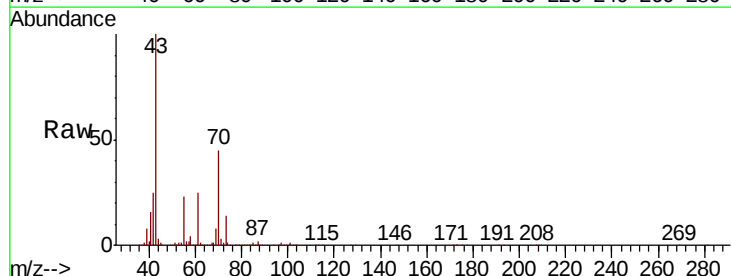
Ion Ratio Lower Upper

43 100

70 43.1 34.5 51.7

55 23.3 18.6 28.0

61 24.7 19.8 29.6



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

400000

300000

200000

100000

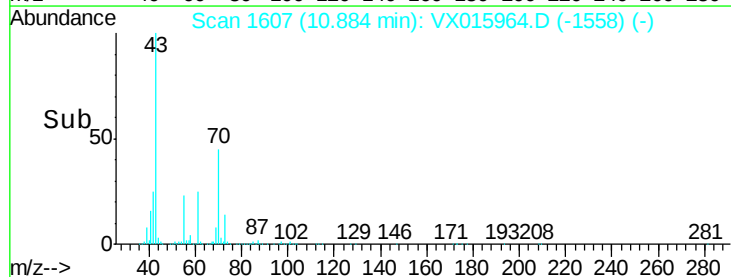
0

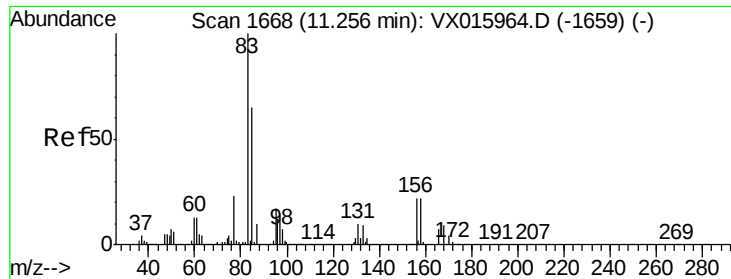
10.88

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.221 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

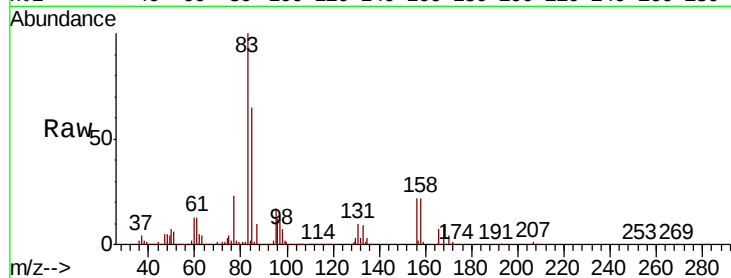
Tot Ion: 83 Resp: 142289

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

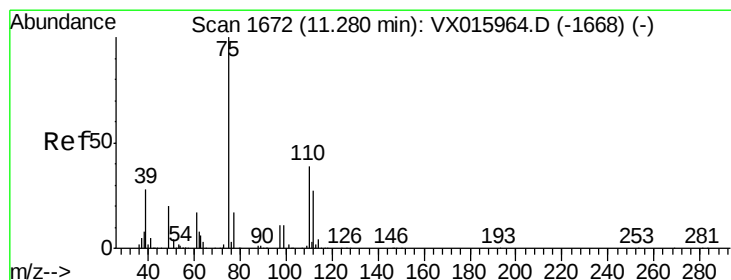
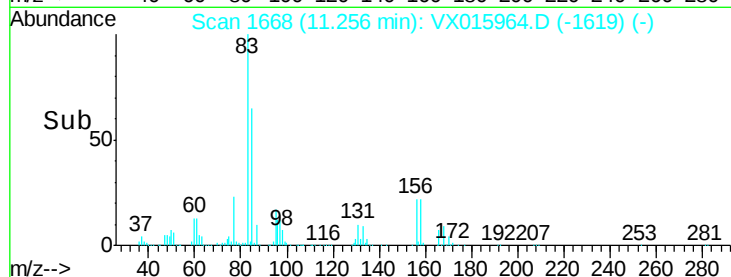
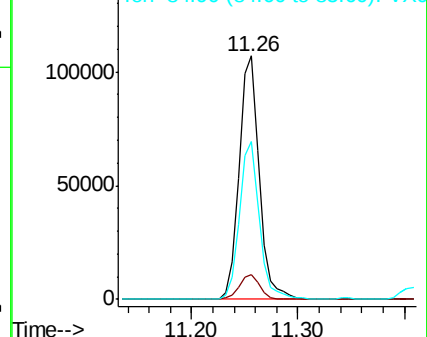
85 64.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 55.347 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX015964.D

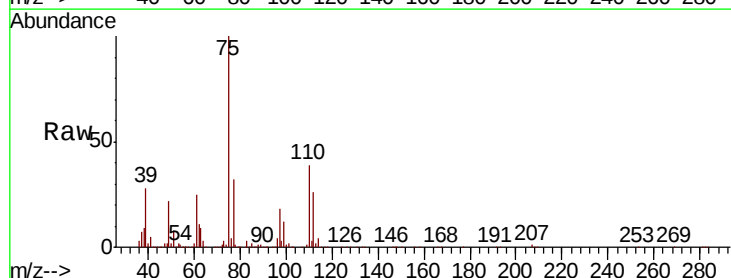
Acq: 28 Apr 2020 16:09

Tgt Ion: 75 Resp: 293872

Ion Ratio Lower Upper

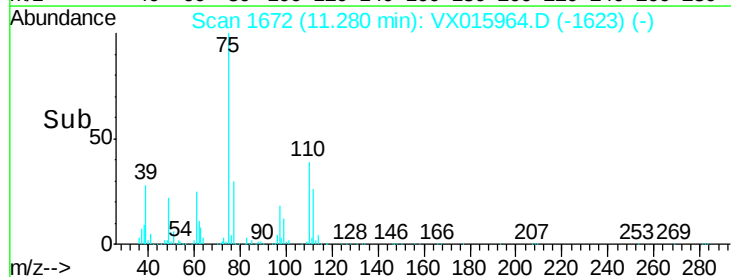
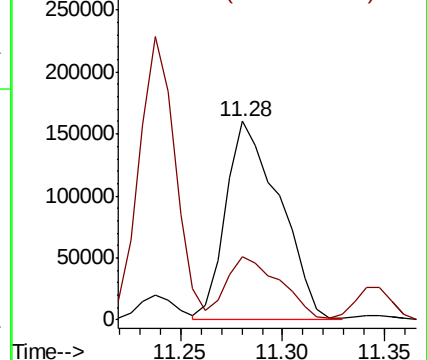
75 100

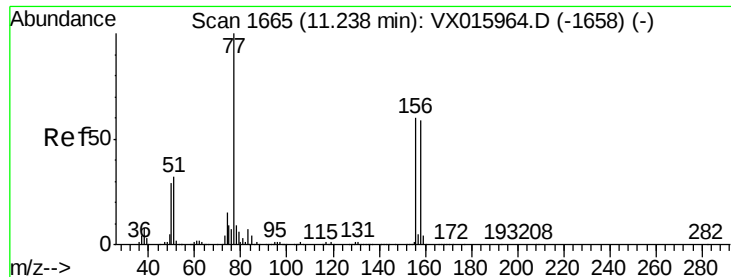
77 31.6 21.6 65.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.627 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

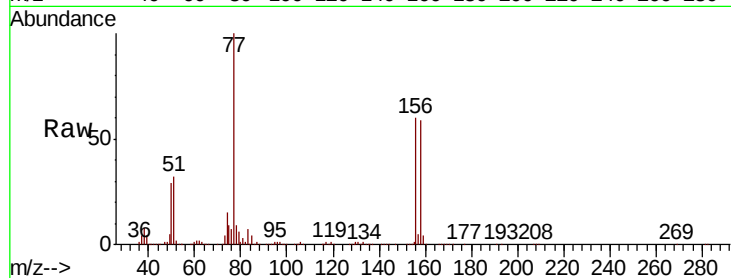
Tot Ion:156 Resp: 179739

Ion Ratio Lower Upper

156 100

77 156.5 78.3 234.8

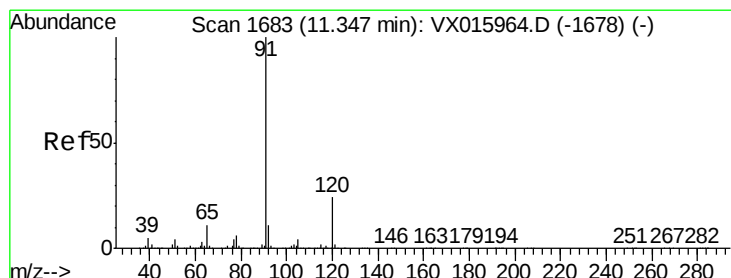
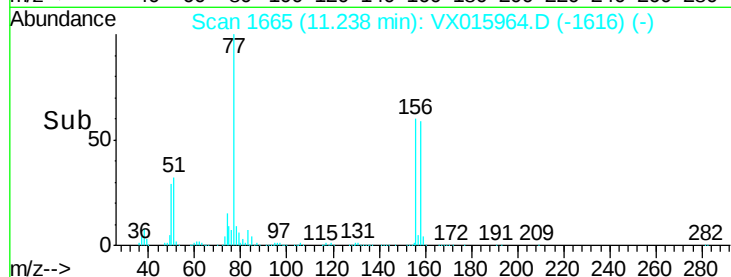
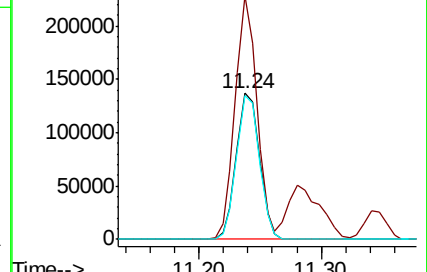
158 97.0 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.751 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX015964.D

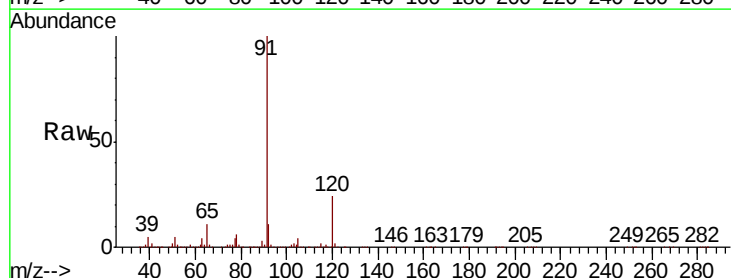
Acq: 28 Apr 2020 16:09

Tgt Ion: 91 Resp: 805224

Ion Ratio Lower Upper

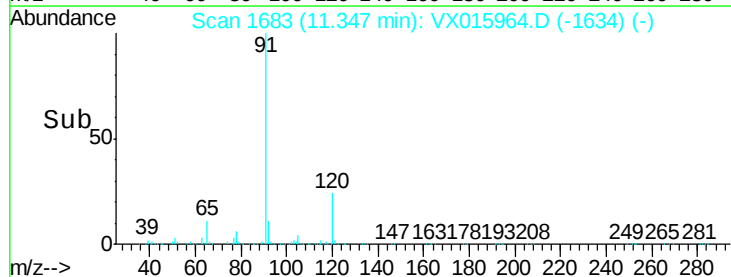
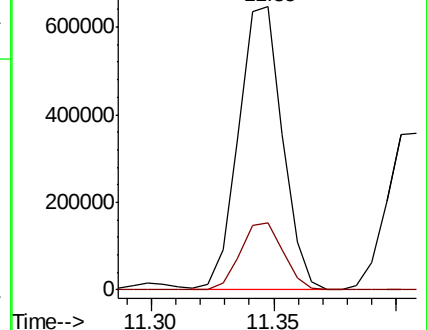
91 100

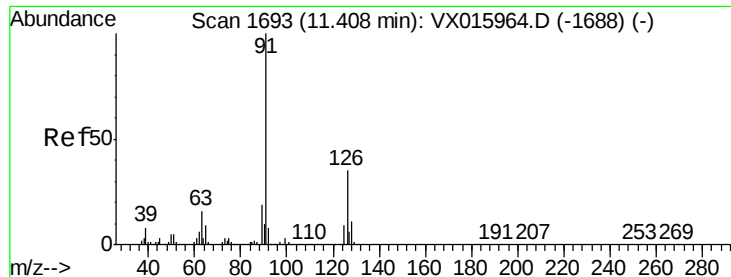
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

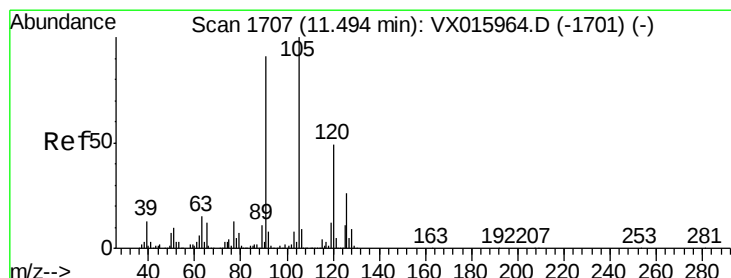
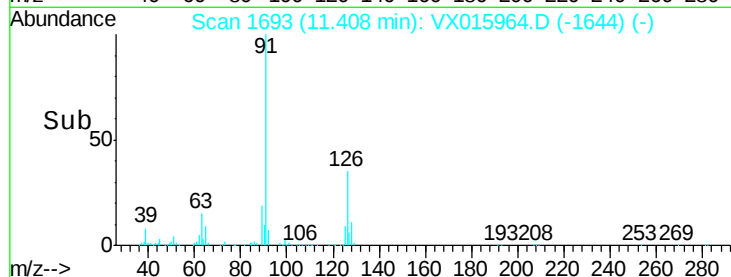
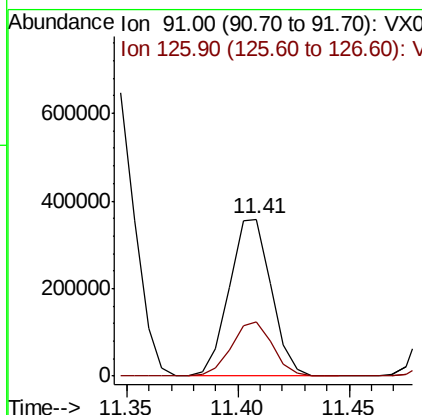
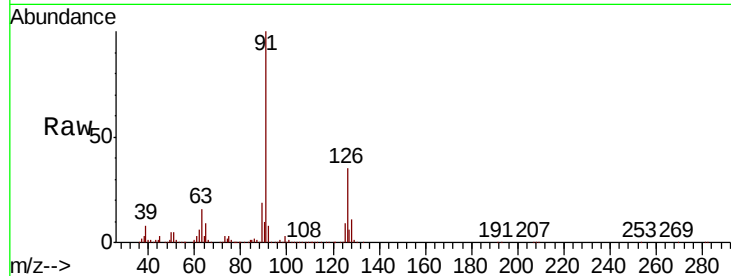




#79
 2-Chlorotoluene
 Concen: 49.712 ug/l
 RT: 11.41 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VX015964.D
 Acq: 28 Apr 2020 16:09

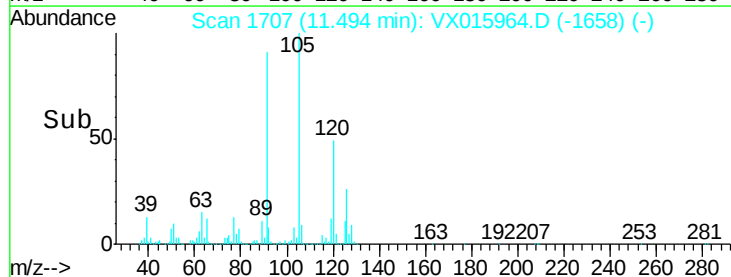
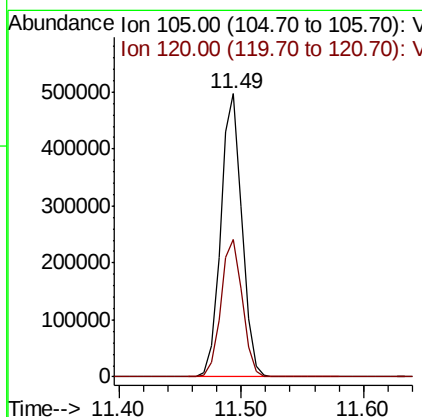
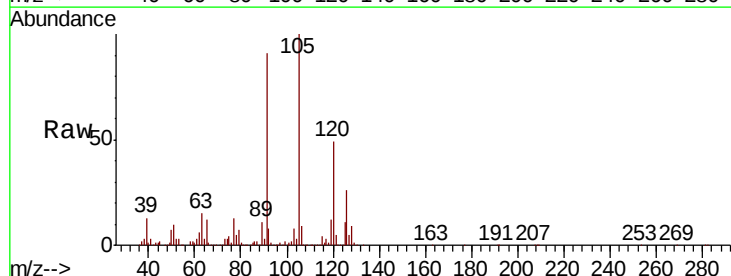
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

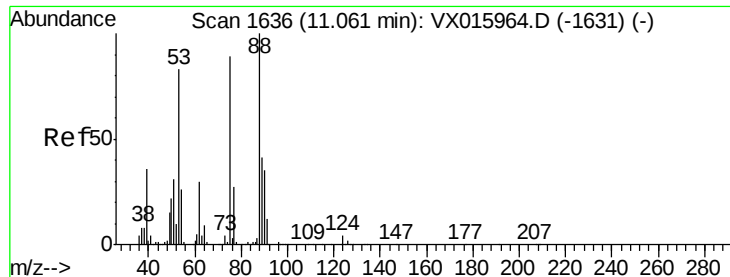
Tot Ion: 91 Resp: 469941
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 51.100 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX015964.D
 Acq: 28 Apr 2020 16:09

Tgt Ion: 105 Resp: 593696
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.915 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

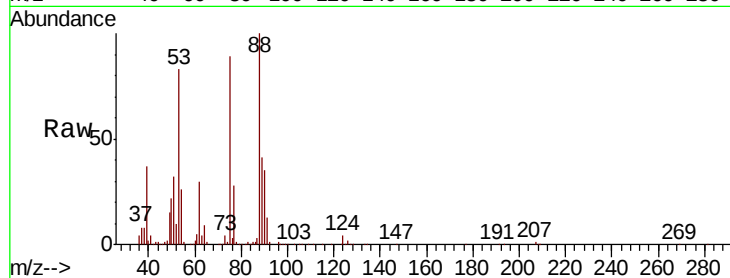
Tot Ion: 75 Resp: 91660

Ion Ratio Lower Upper

75 100

53 97.9 78.3 117.5

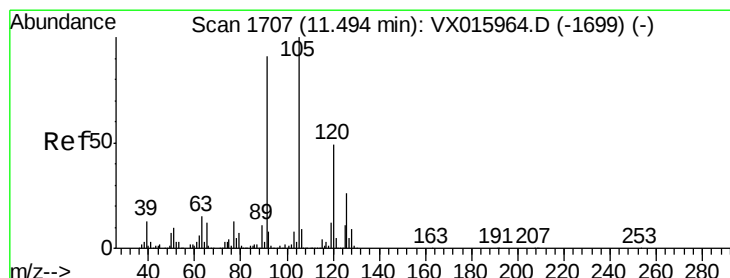
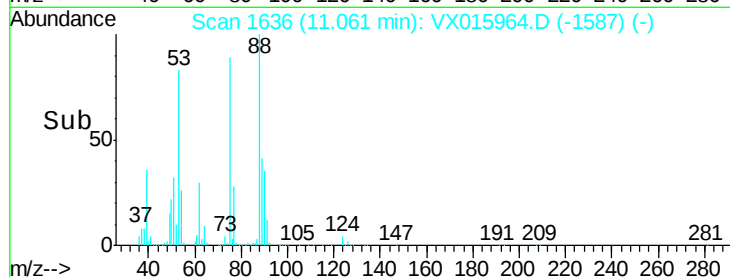
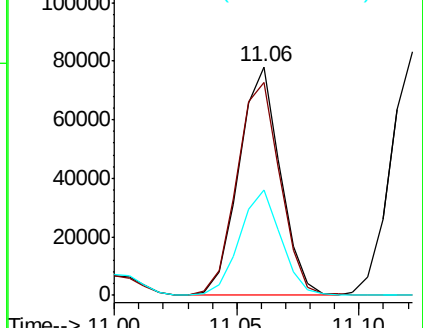
89 46.5 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.023 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015964.D

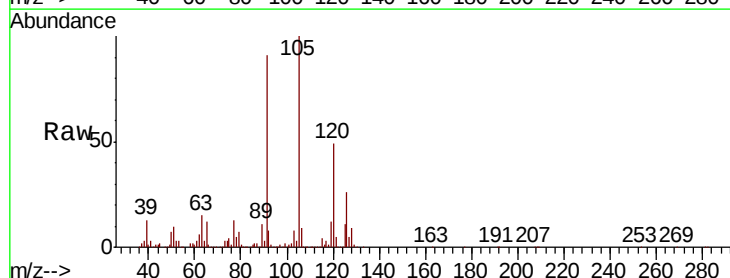
Acq: 28 Apr 2020 16:09

Tgt Ion: 91 Resp: 565582

Ion Ratio Lower Upper

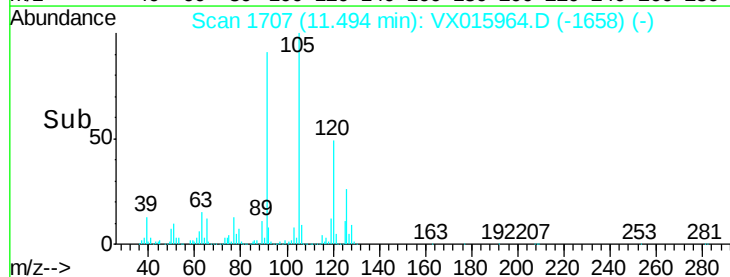
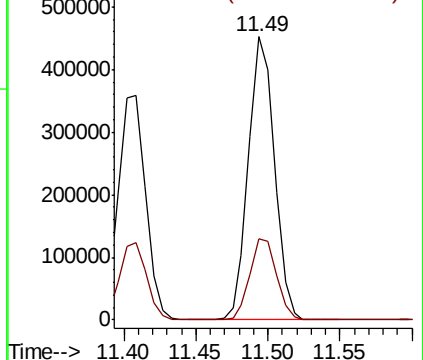
91 100

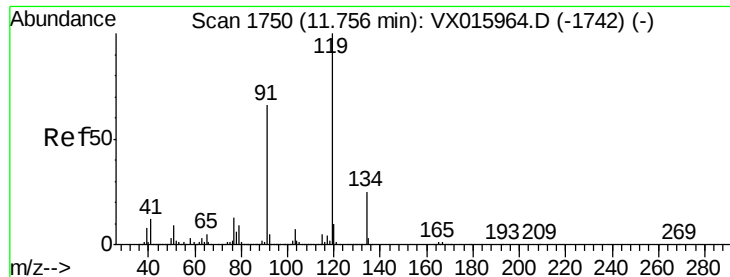
126 29.5 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.907 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

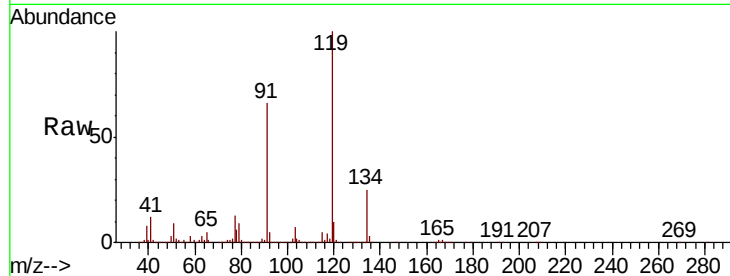
Tot Ion:119 Resp: 509967

Ion Ratio Lower Upper

119 100

91 66.9 33.5 100.4

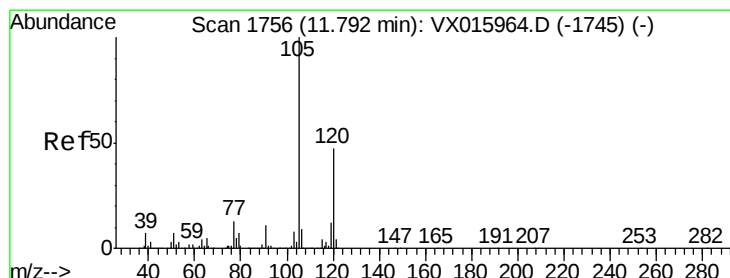
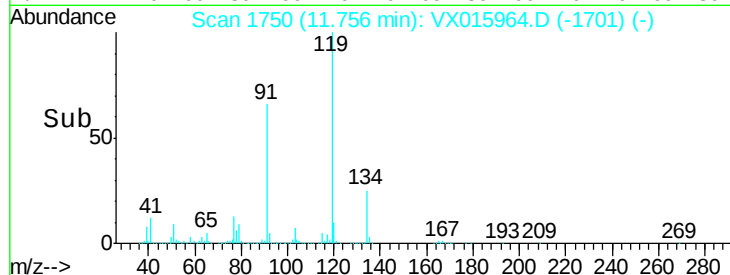
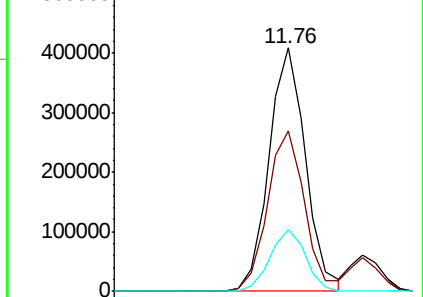
134 24.8 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.262 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX015964.D

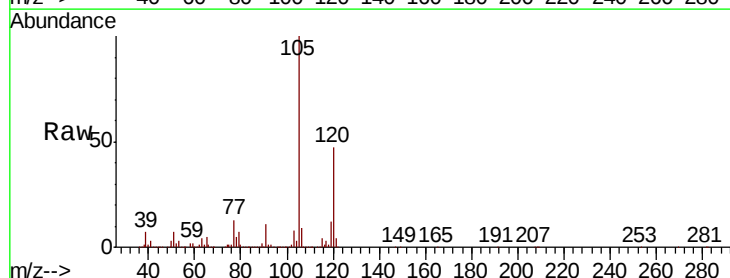
Acq: 28 Apr 2020 16:09

Tgt Ion:105 Resp: 599402

Ion Ratio Lower Upper

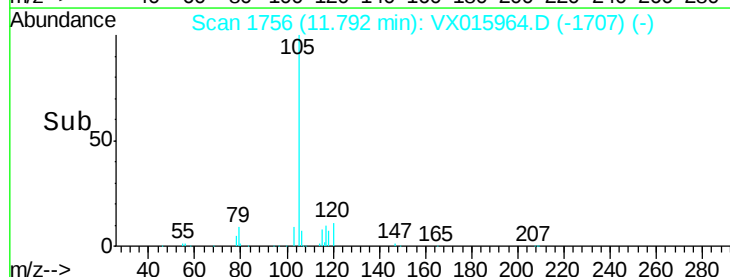
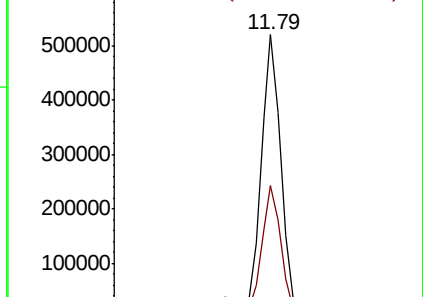
105 100

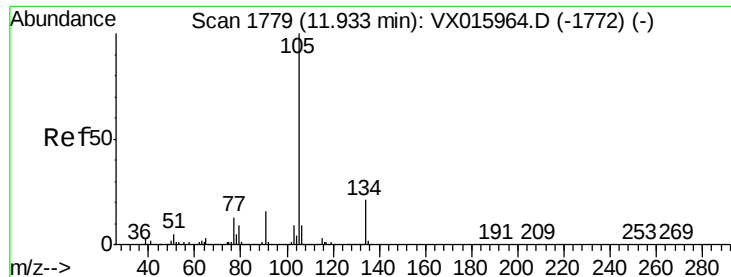
120 45.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

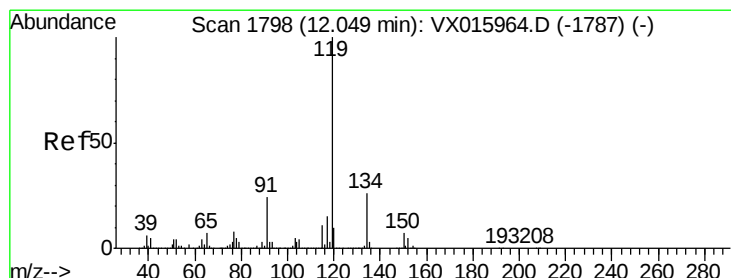
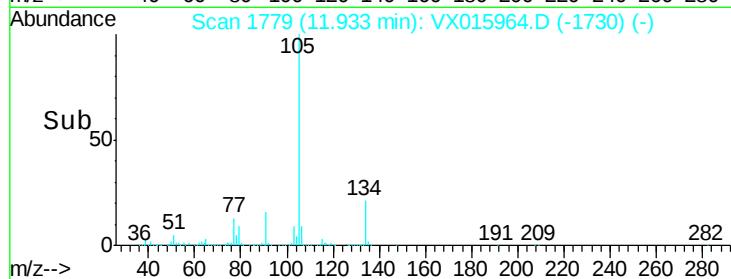
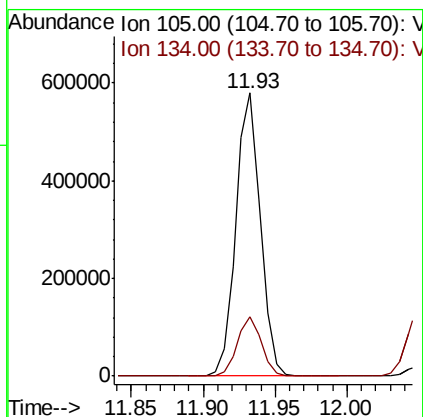
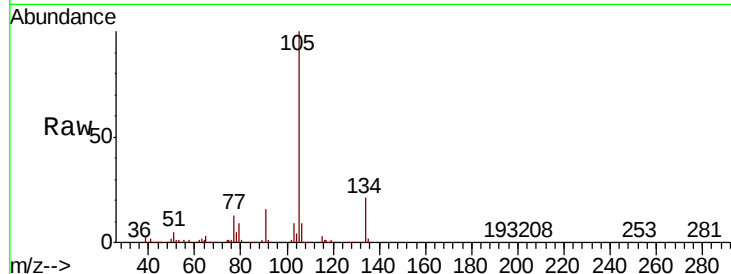




#85
 sec-Butylbenzene
 Concen: 50.913 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX015964.D
 Acq: 28 Apr 2020 16:09

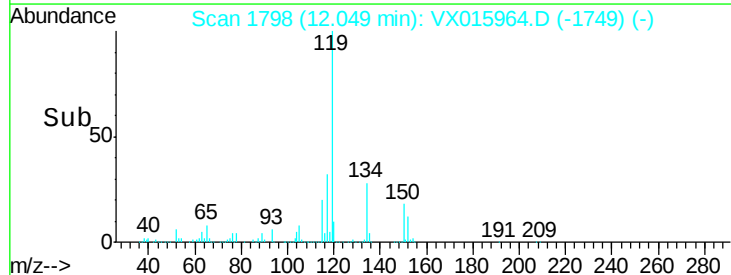
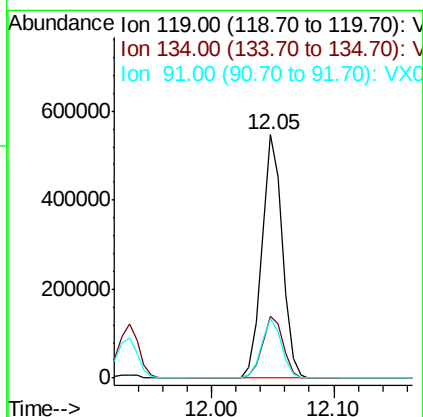
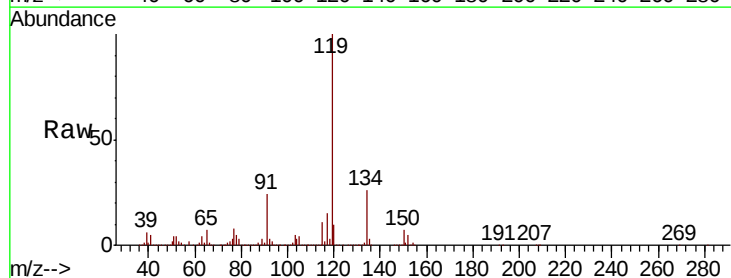
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

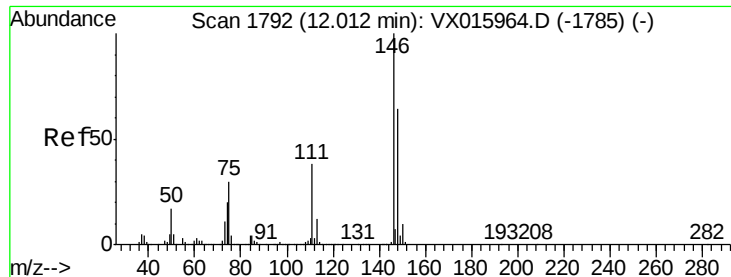
Tot Ion:105 Resp: 687162
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 50.749 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX015964.D
 Acq: 28 Apr 2020 16:09

Tgt Ion:119 Resp: 641581
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 23.9 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 49.180 ug/l

RT: 12.01 min Scan# 1792

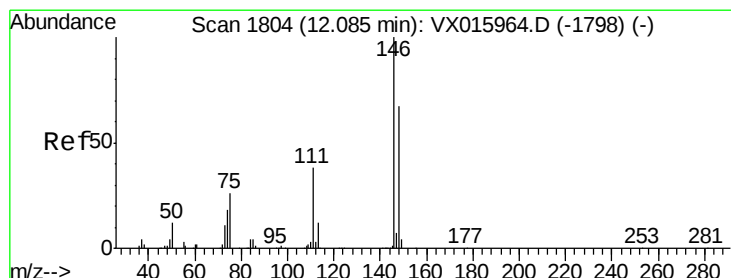
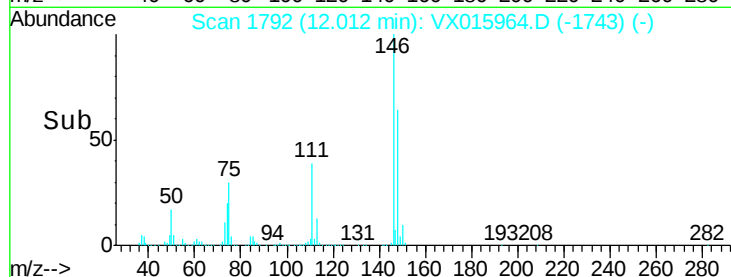
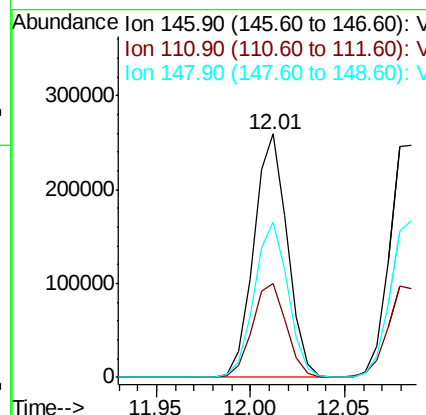
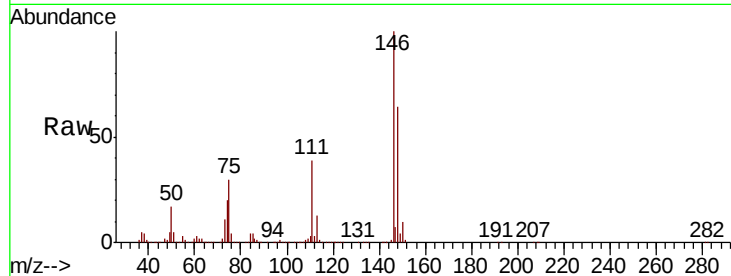
Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	64.0	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 48.271 ug/l

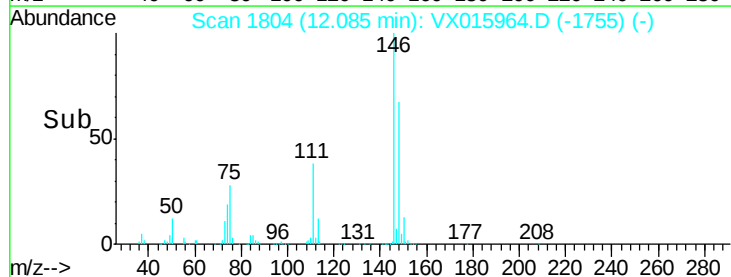
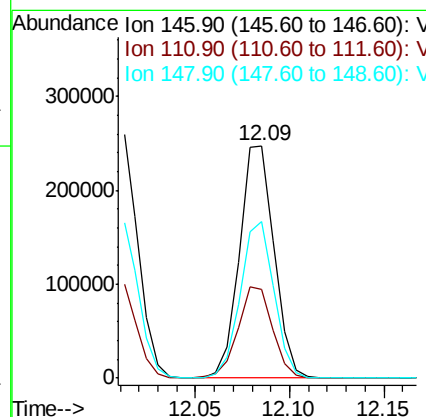
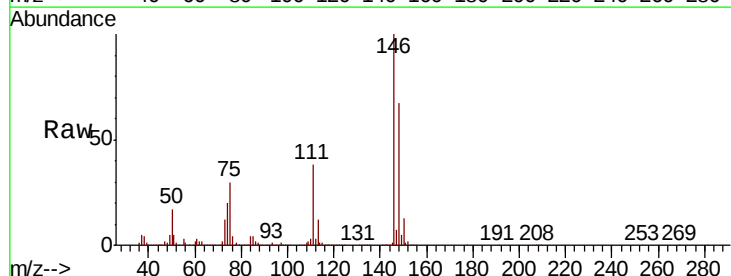
RT: 12.09 min Scan# 1804

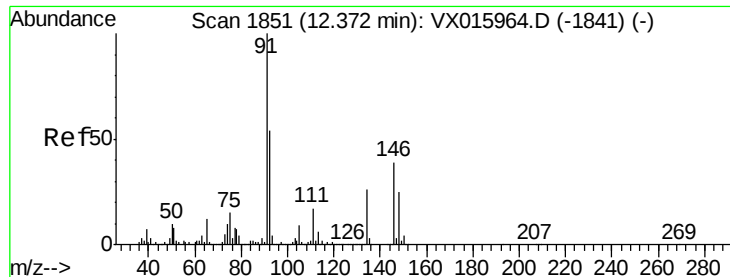
Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	65.6	32.8	98.4





#89

n-Butylbenzene

Concen: 50.258 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

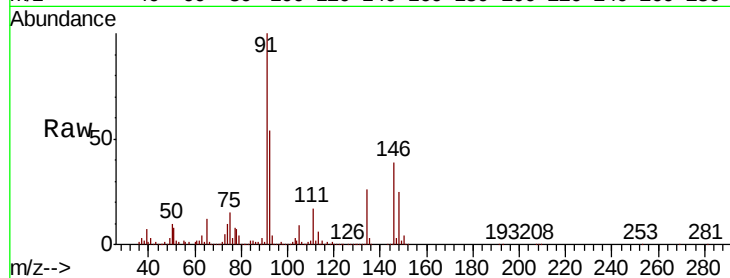
Tot Ion: 91 Resp: 574096

Ion Ratio Lower Upper

91 100

92 54.2 27.1 81.3

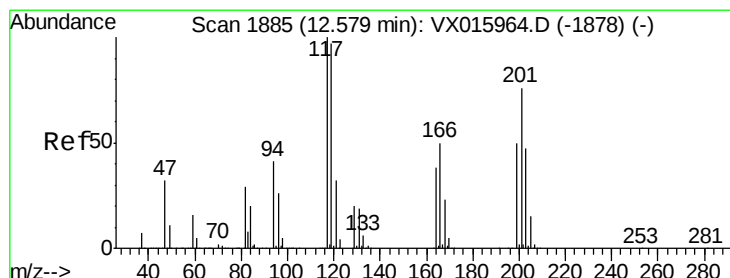
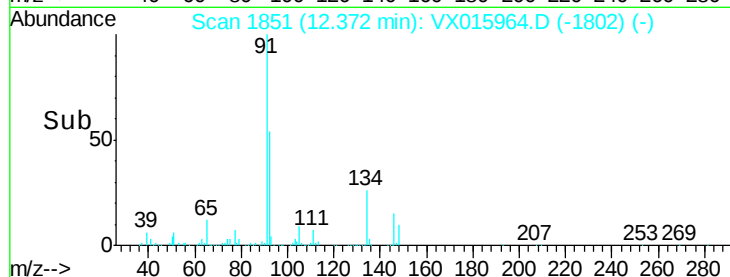
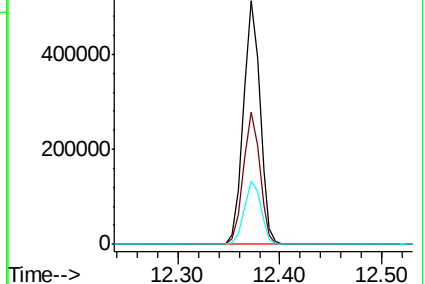
134 26.5 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VX015964.D (-1841) (-)

Ion 92.00 (91.70 to 92.70): VX015964.D (-1841) (-)

Ion 134.00 (133.70 to 134.70): VX015964.D (-1841) (-)



#90

Hexachloroethane

Concen: 50.881 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX015964.D

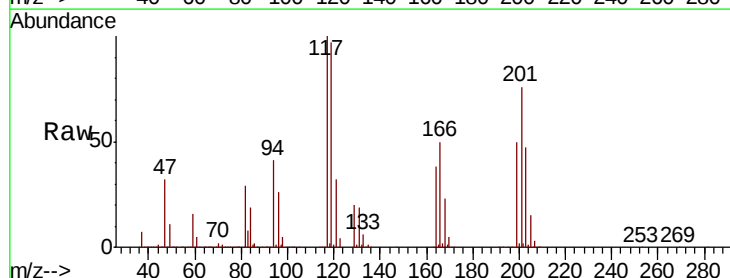
Acq: 28 Apr 2020 16:09

Tgt Ion: 117 Resp: 113653

Ion Ratio Lower Upper

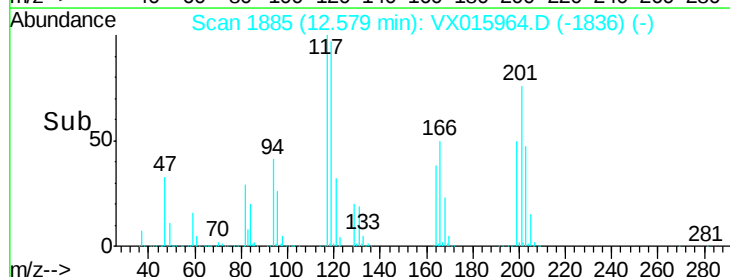
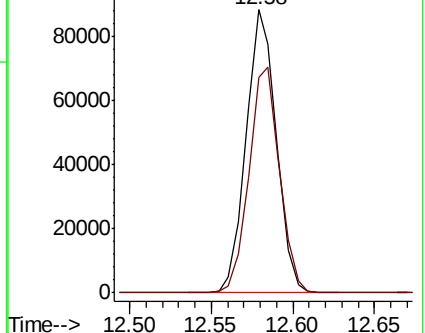
117 100

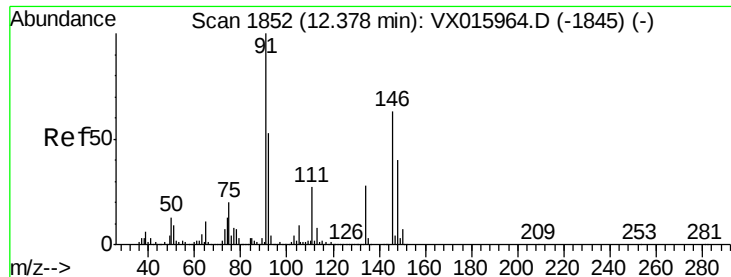
201 80.5 40.3 120.8



Abundance Ion 116.80 (116.50 to 117.50): VX015964.D (-1878) (-)

Ion 200.70 (200.40 to 201.40): VX015964.D (-1878) (-)





#91

1,2-Dichlorobenzene

Concen: 48.767 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

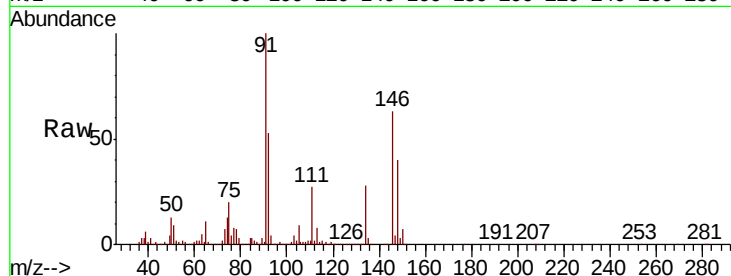
Tot Ion:146 Resp: 301913

Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.3

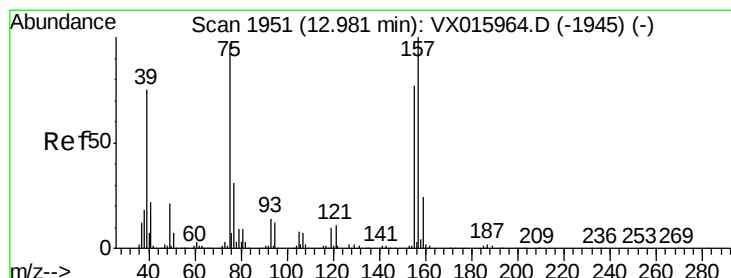
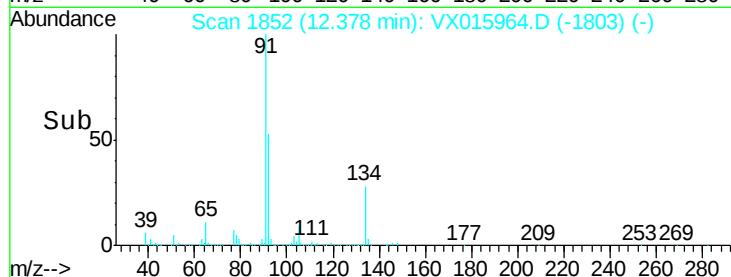
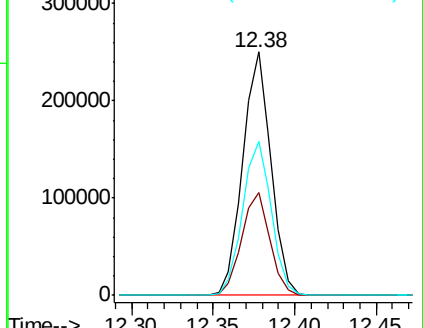
148 64.6 32.3 96.9



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: 49.569 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX015964.D

Acq: 28 Apr 2020 16:09

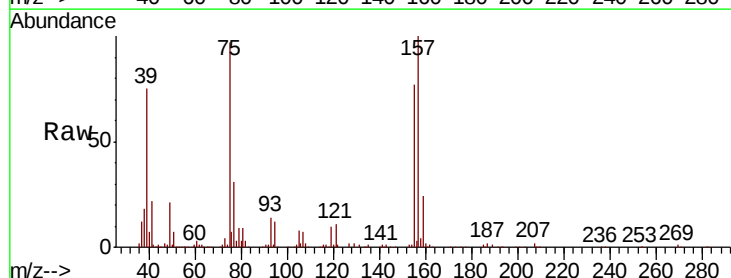
Tgt Ion: 75 Resp: 56444

Ion Ratio Lower Upper

75 100

155 85.1 42.5 127.6

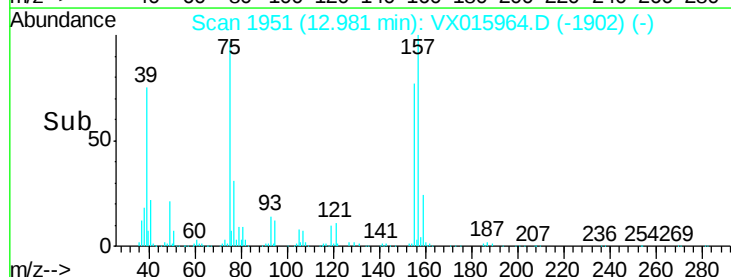
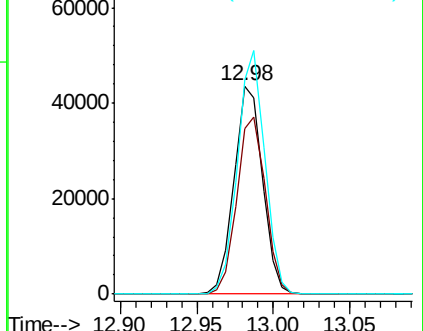
157 112.1 56.0 168.2

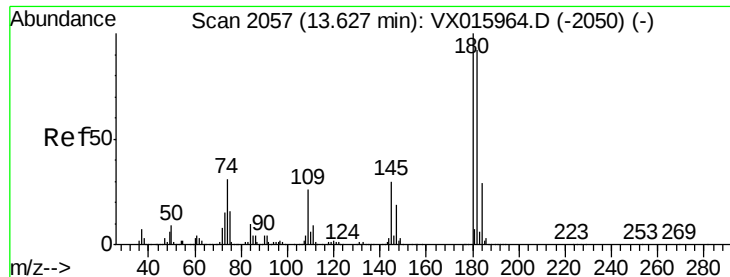


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

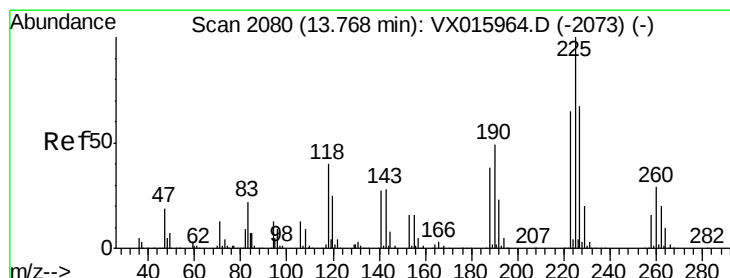
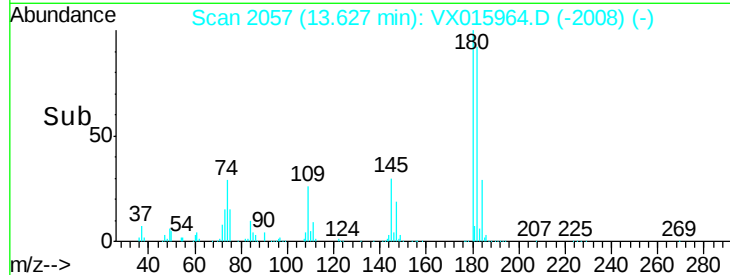
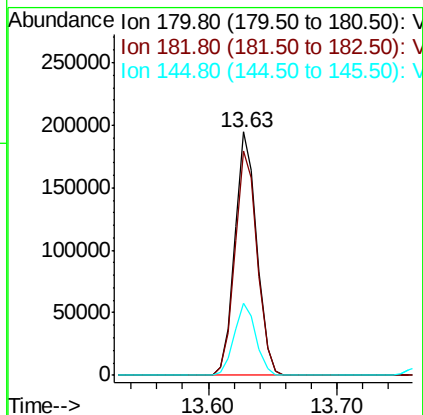
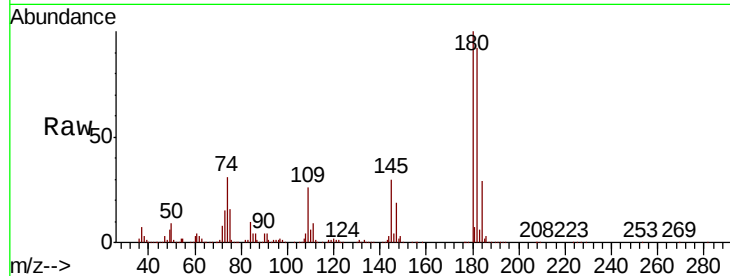




#93
 1,2,4-Trichlorobenzene
 Concen: 49.686 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX015964.D
 Acq: 28 Apr 2020 16:09

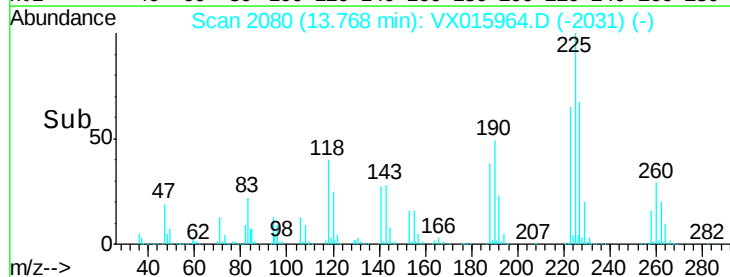
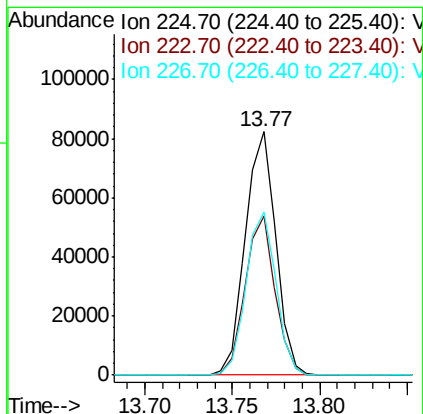
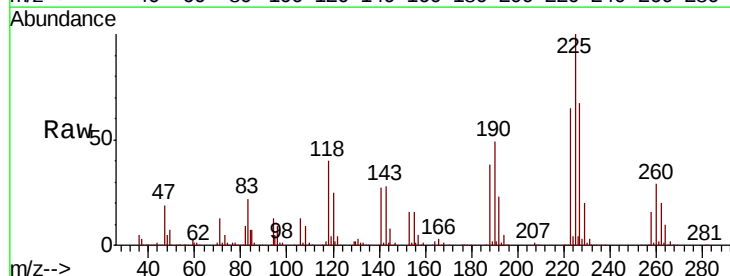
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

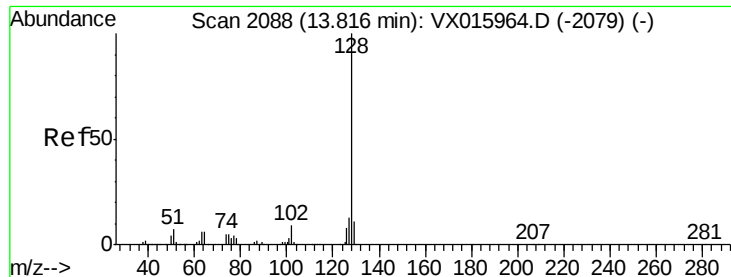
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	29.4	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 48.056 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015964.D
 Acq: 28 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	32.0	96.0
227	66.0	33.0	99.0

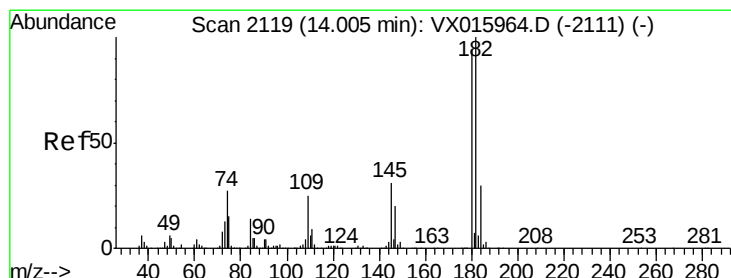
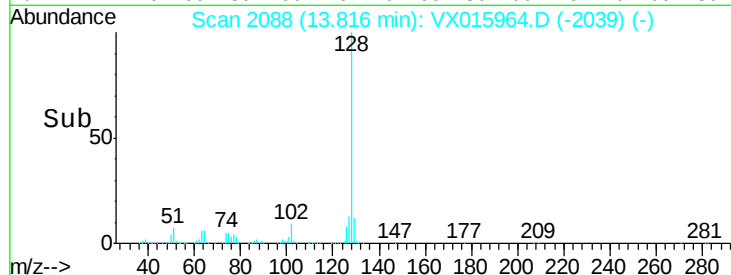
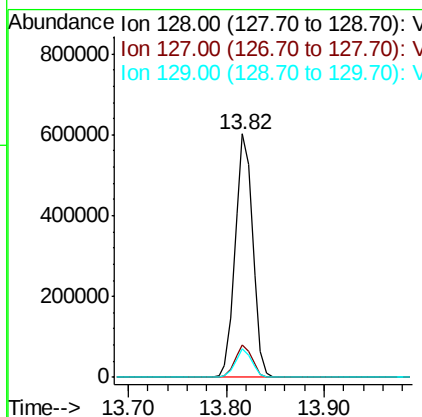
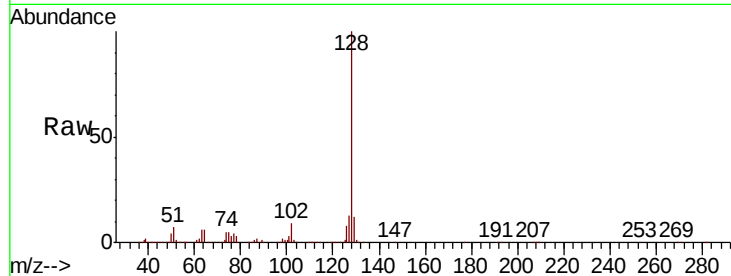




#95
Naphthalene
Concen: 51.045 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 748086
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.318 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX015964.D
Acq: 28 Apr 2020 16:09

Tgt Ion:180 Resp: 220665
Ion Ratio Lower Upper
180 100
182 97.4 48.7 146.1
145 32.2 16.1 48.3

