

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012434.D
 Acq On : 17 Sep 2019 15:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

Quant Time: Sep 17 16:26:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 14:19:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	135127	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	120117	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	
35) Dibromofluoromethane	5.48	113	87842	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
50) Toluene-d8	8.71	98	328645	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.13	95	135960	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	57759	46.618	ug/l	99
3) Chloromethane	1.31	50	48076	47.062	ug/l	100
4) Vinyl Chloride	1.40	62	51742	46.863	ug/l	99
5) Bromomethane	1.62	94	20900	48.182	ug/l	100
6) Chloroethane	1.71	64	35505	39.031	ug/l	97
7) Trichlorofluoromethane	1.92	101	97518	48.181	ug/l	100
8) Diethyl Ether	2.18	74	41143	45.005	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	69923	47.748	ug/l	99
10) Methyl Iodide	2.50	142	52956	42.838	ug/l	99
11) Tert butyl alcohol	3.03	59	136391	200.806	ug/l	100
12) 1,1-Dichloroethene	2.36	96	55254	47.298	ug/l	96
13) Acrolein	2.28	56	46921	200.318	ug/l	98
14) Allyl chloride	2.72	41	126997	46.694	ug/l	99
15) Acrylonitrile	3.13	53	251567	217.995	ug/l	100
16) Acetone	2.43	43	285287	233.943	ug/l	99
17) Carbon Disulfide	2.56	76	75809	46.034	ug/l	99
18) Methyl Acetate	2.76	43	121424	43.756	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	292426	45.910	ug/l	98
20) Methylene Chloride	2.84	84	70997	44.052	ug/l	100
21) trans-1,2-Dichloroethene	3.15	96	57971	47.787	ug/l	92
22) Diisopropyl ether	3.84	45	288253	45.265	ug/l	94
23) Vinyl Acetate	3.80	43	1239215	236.561	ug/l	100
24) 1,1-Dichloroethane	3.68	63	141903	46.573	ug/l	97
25) 2-Butanone	4.65	43	396346	214.558	ug/l	100
26) 2,2-Dichloropropane	4.57	77	140154	46.772	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	83686	46.180	ug/l	99
28) Bromochloromethane	5.00	49	70565	44.923	ug/l	100
29) Tetrahydrofuran	5.11	42	227403	222.835	ug/l	100
30) Chloroform	5.20	83	156062	44.599	ug/l	98
31) Cyclohexane	5.56	56	88493	48.113	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	135443	46.311	ug/l	99
36) 1,1-Dichloropropene	5.78	75	87960	48.112	ug/l	97
37) Ethyl Acetate	4.82	43	137558	49.017	ug/l	100
38) Carbon Tetrachloride	5.77	117	110659	48.667	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	94749	53.311	ug/l	98
40) Benzene	6.13	78	284053	48.860	ug/l	99
41) Methacrylonitrile	5.02	41	82256	45.521	ug/l	98
42) 1,2-Dichloroethane	6.18	62	126479	46.906	ug/l	99
43) Isopropyl Acetate	6.43	43	236286	46.912	ug/l	100
44) Trichloroethene	7.20	130	76405	49.961	ug/l	94
45) 1,2-Dichloropropane	7.50	63	84789	47.471	ug/l	99
46) Dibromomethane	7.65	93	54642	47.275	ug/l	100
47) Bromodichloromethane	7.89	83	127535	49.556	ug/l	97
48) Methyl methacrylate	7.76	41	109997	46.328	ug/l	98
49) 1,4-Dioxane	7.73	88	49496	856.532	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	754309	228.363	ug/l	99
52) Toluene	8.78	92	186133	49.686	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	135792	50.759	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	140019	50.556	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	91493	47.406	ug/l	97
56) Ethyl methacrylate	9.17	69	146734	48.627	ug/l	99
57) 1,3-Dichloropropane	9.37	76	147766	47.986	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	381895	244.491	ug/l	99
59) 2-Hexanone	9.48	43	590760	229.246	ug/l	98
60) Dibromochloromethane	9.57	129	99917	50.825	ug/l	99
61) 1,2-Dibromoethane	9.67	107	87217	49.480	ug/l	98
64) Tetrachloroethene	9.33	164	60423	48.565	ug/l	96
65) Chlorobenzene	10.14	112	217977	48.642	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	93800	50.435	ug/l	99
67) Ethyl Benzene	10.25	91	380920	49.476	ug/l	97
68) m/p-Xylenes	10.35	106	279320	99.711	ug/l	100
69) o-Xylene	10.70	106	143835	49.927	ug/l	99
70) Styrene	10.71	104	256143	50.252	ug/l	99
71) Bromoform	10.85	173	68543	43.217	ug/l #	98
73) Isopropylbenzene	11.01	105	405073	47.777	ug/l	99
74) N-amyl acetate	10.89	43	216253	47.376	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	151326	45.500	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	179409	57.800	ug/l	87
77) Bromobenzene	11.25	156	98481	47.628	ug/l	99
78) n-propylbenzene	11.35	91	471397	49.886	ug/l	100
79) 2-Chlorotoluene	11.42	91	290528	47.260	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	356094	49.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	50145	44.701	ug/l	98
82) 4-Chlorotoluene	11.51	91	344773	48.866	ug/l	100
83) tert-Butylbenzene	11.77	119	375659	48.484	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	366358	49.346	ug/l	100
85) sec-Butylbenzene	11.94	105	430396	50.411	ug/l	100
86) p-Isopropyltoluene	12.06	119	394679	50.343	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	190493	48.975	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	191108	47.832	ug/l	100
89) n-Butylbenzene	12.38	91	354277	50.647	ug/l	99
90) Hexachloroethane	12.59	117	73008	50.788	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	193870	47.689	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41099	47.665	ug/l	98

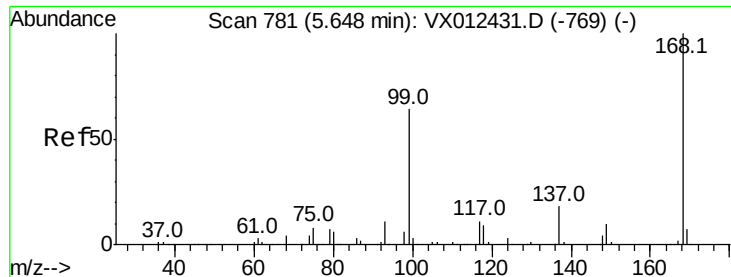
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	135884	51.893	ug/l	100
94) Hexachlorobutadiene	13.78	225	62266	50.452	ug/l	99
95) Naphthalene	13.83	128	471627	50.618	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	137472	51.519	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

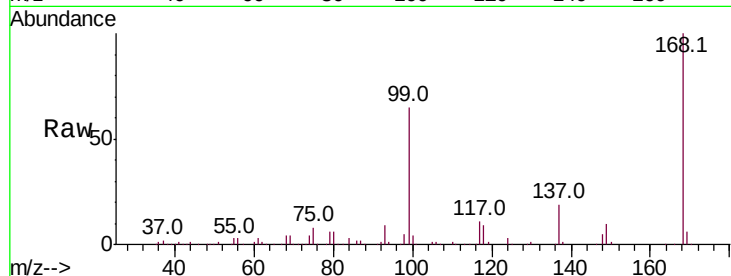
ICVVX091719

Tot Ion:168 Resp: 185812

Ion Ratio Lower Upper

168 100

99 65.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

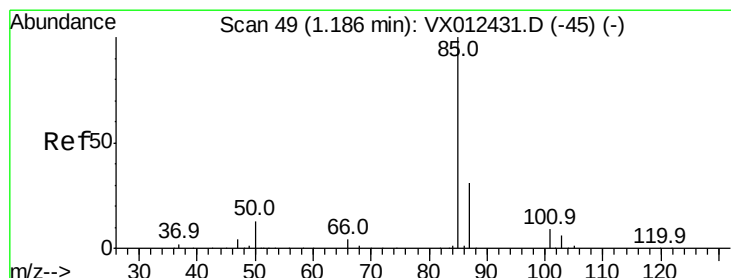
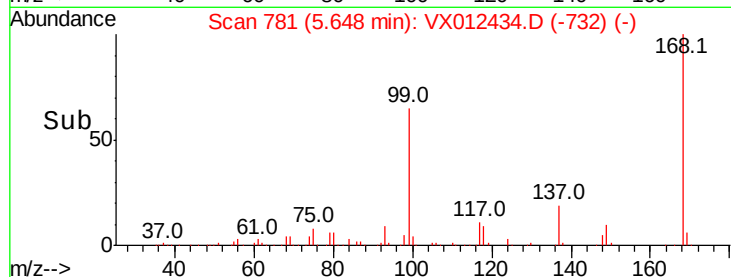
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.618 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012434.D

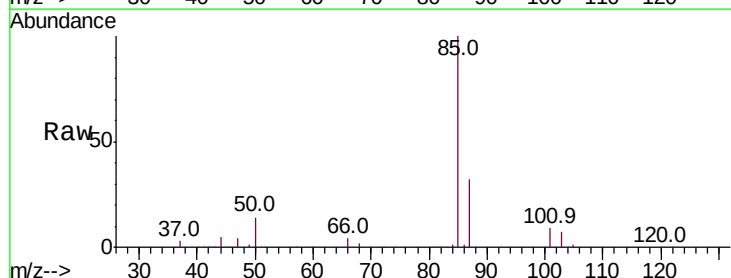
Acq: 17 Sep 2019 15:22

Tgt Ion: 85 Resp: 57759

Ion Ratio Lower Upper

85 100

87 31.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

60000

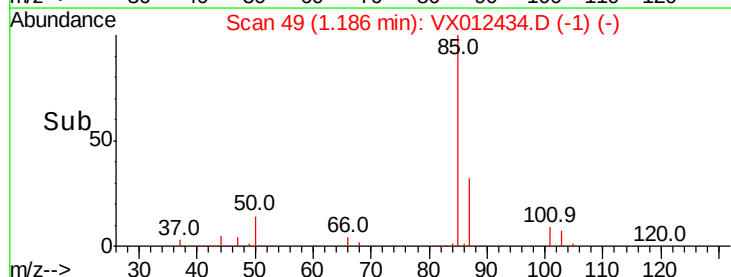
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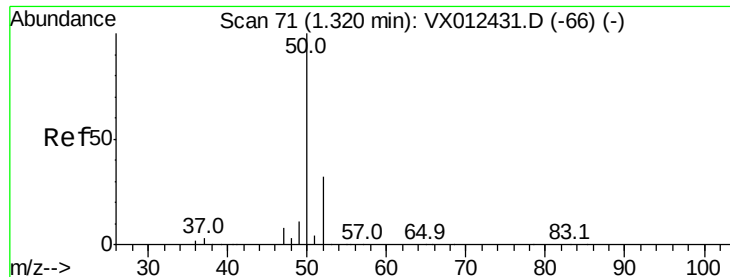
20000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 47.062 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

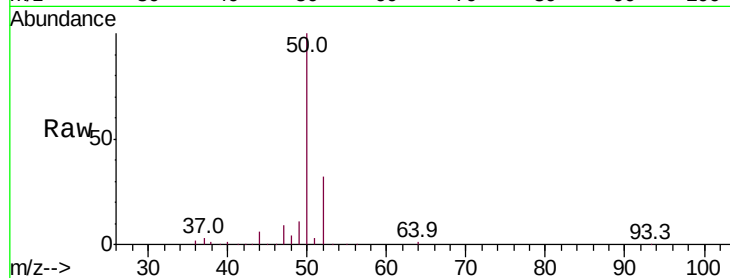
ICVVX091719

Tot Ion: 50 Resp: 48076

Ion Ratio Lower Upper

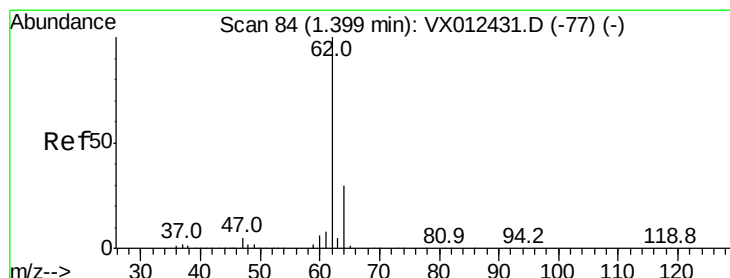
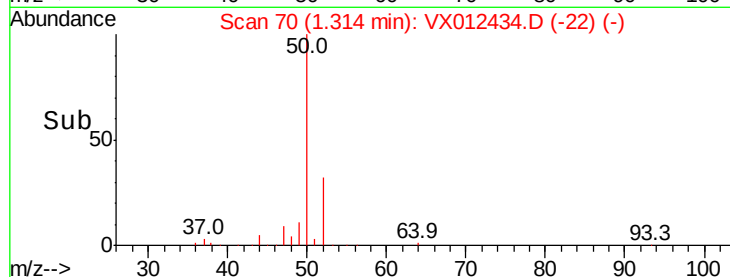
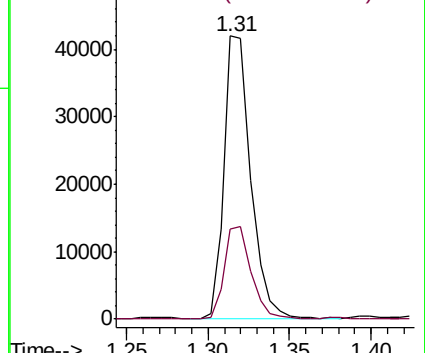
50 100

52 31.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.863 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012434.D

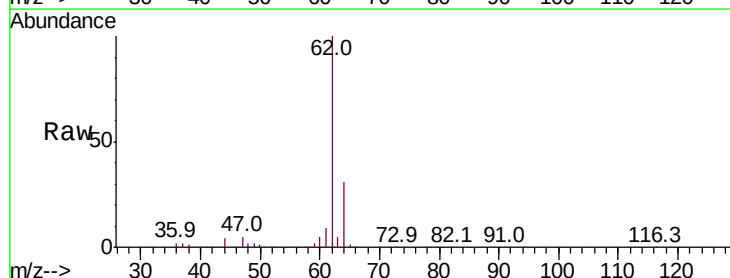
Acq: 17 Sep 2019 15:22

Tgt Ion: 62 Resp: 51742

Ion Ratio Lower Upper

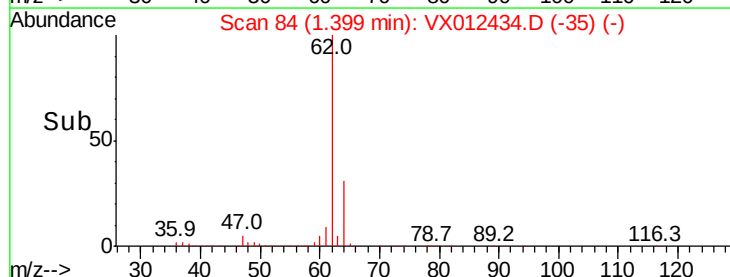
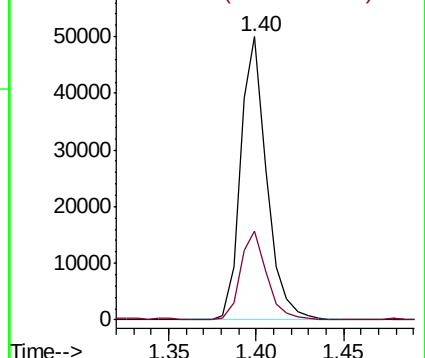
62 100

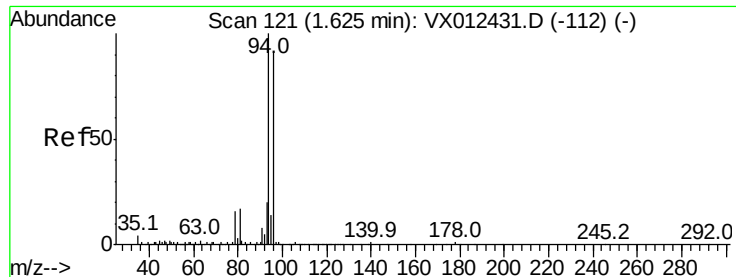
64 30.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 48.182 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

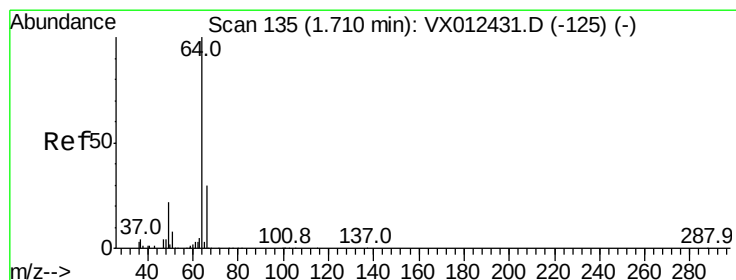
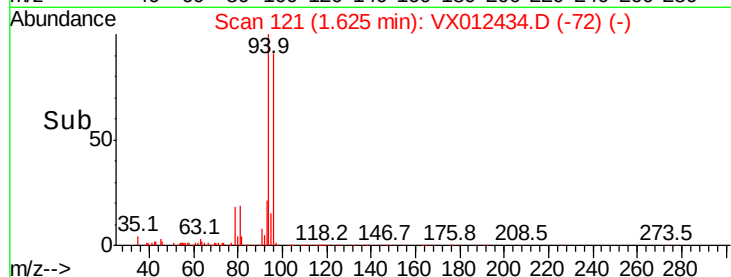
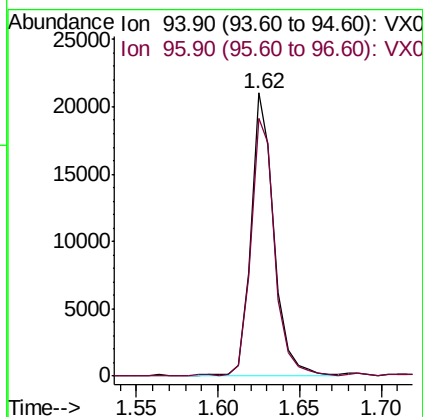
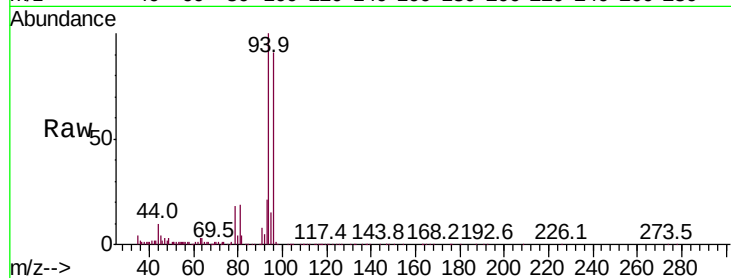
ICVVX091719

Tot Ion: 94 Resp: 20900

Ion Ratio Lower Upper

94 100

96 91.1 72.8 109.2



#6

Chloroethane

Concen: 39.031 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012434.D

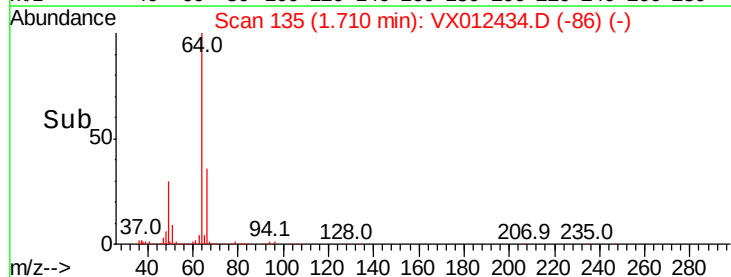
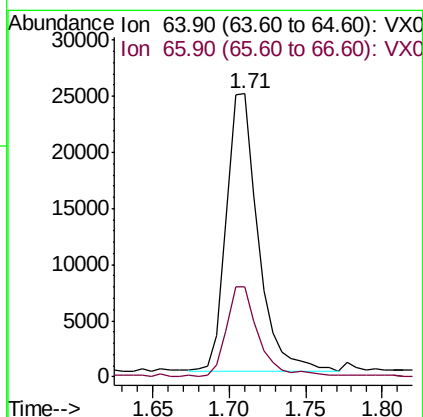
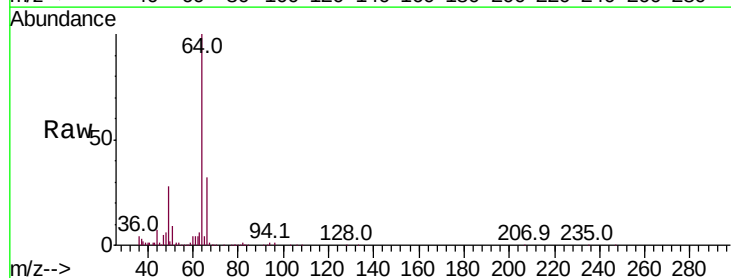
Acq: 17 Sep 2019 15:22

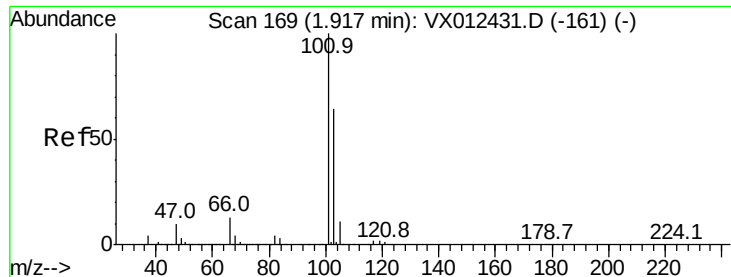
Tgt Ion: 64 Resp: 35505

Ion Ratio Lower Upper

64 100

66 31.9 24.0 36.0



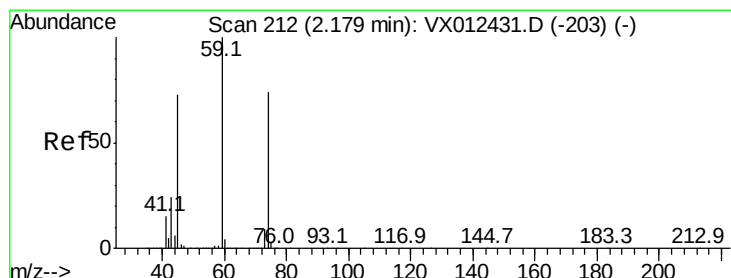
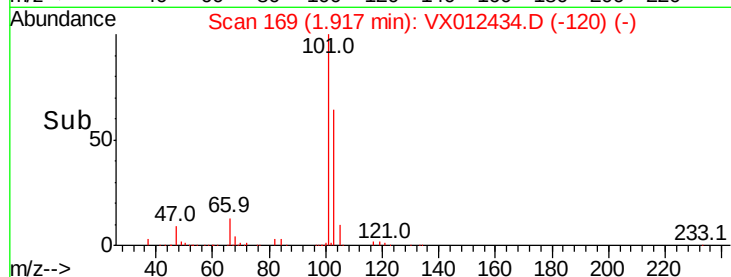
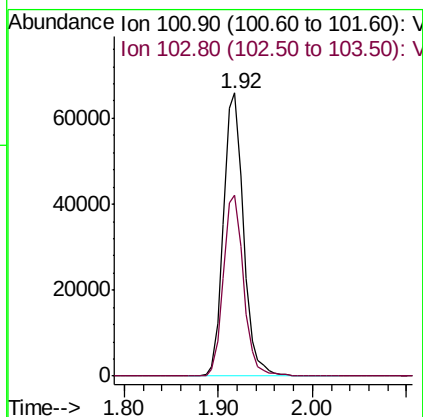
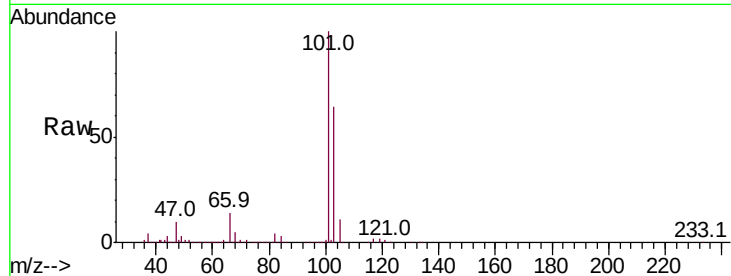


#7

Trichlorofluoromethane
Concen: 48.181 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

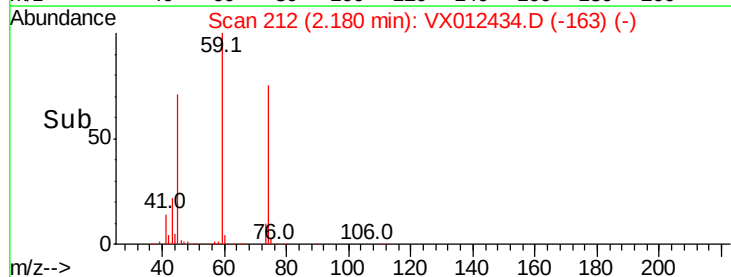
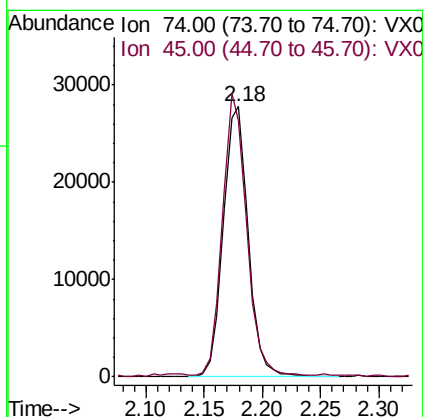
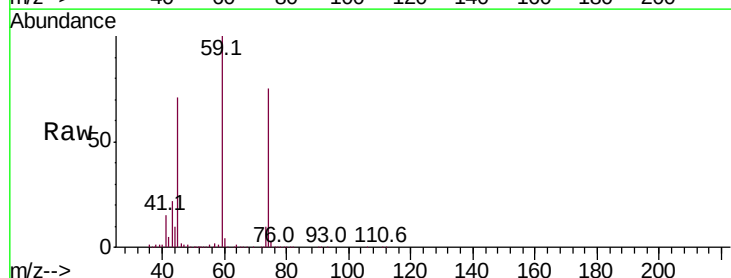
Tot Ion:101 Resp: 97518
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.4

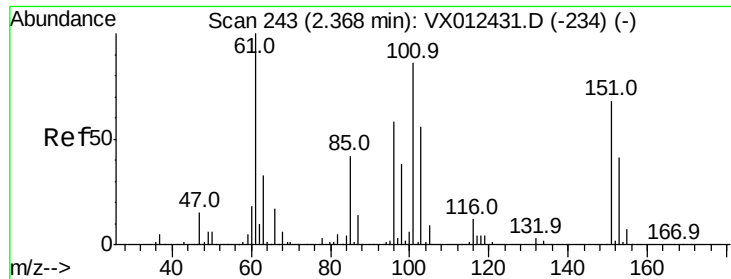


#8

Diethyl Ether
Concen: 45.005 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion: 74 Resp: 41143
Ion Ratio Lower Upper
74 100
45 99.8 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.748 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

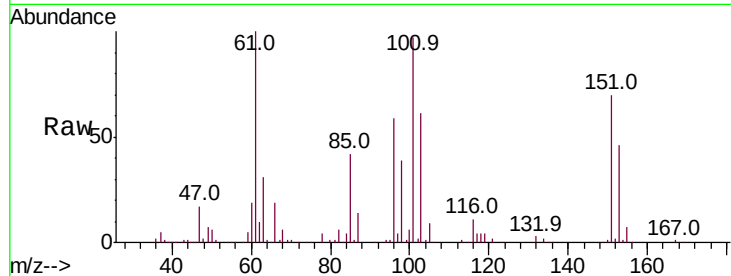
Tot Ion:101 Resp: 69923

Ion Ratio Lower Upper

101 100

85 45.3 37.3 55.9

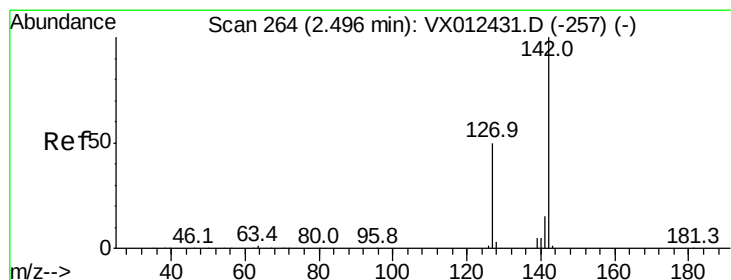
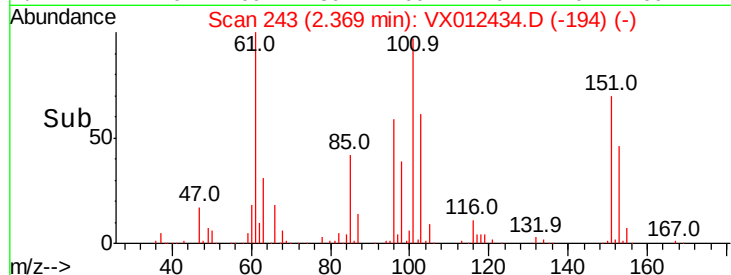
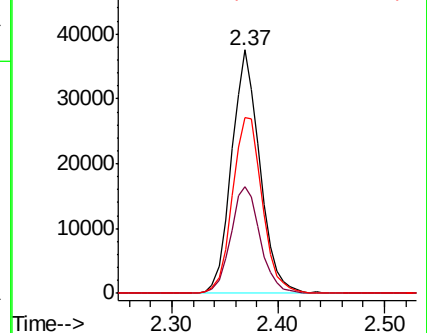
151 76.4 61.0 91.4



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: 42.838 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

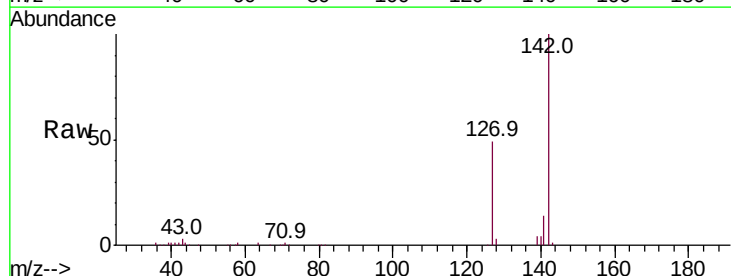
Tgt Ion:142 Resp: 52956

Ion Ratio Lower Upper

142 100

127 50.2 40.8 61.2

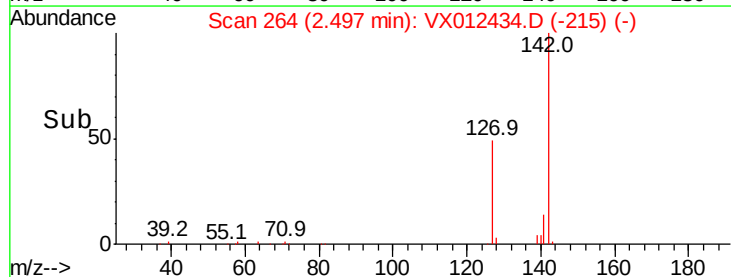
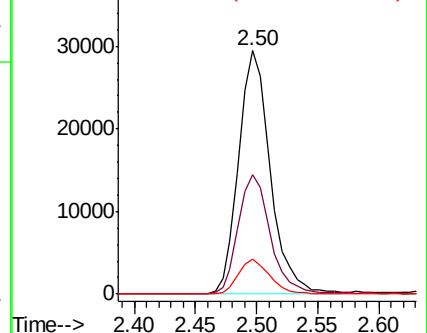
141 14.3 12.1 18.1

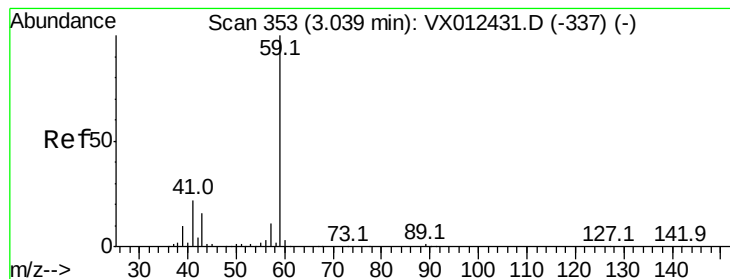


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



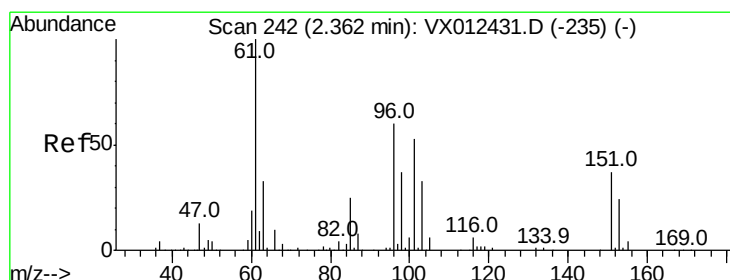
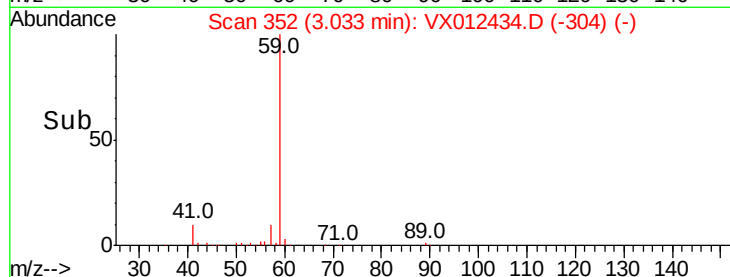
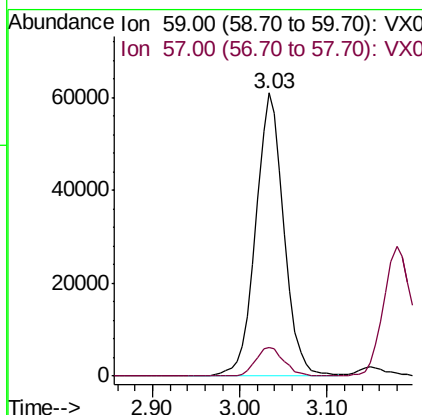
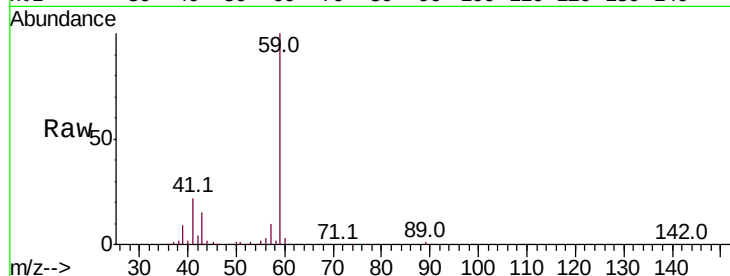


#11

Tert butyl alcohol
Concen: 200.806 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

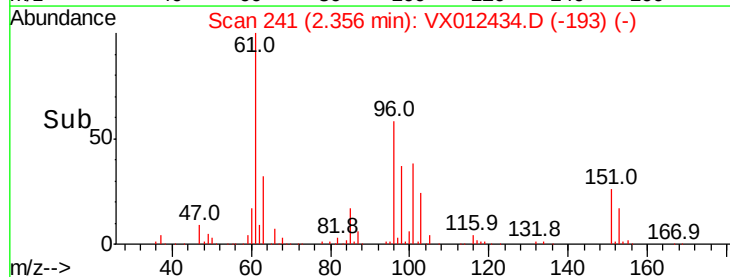
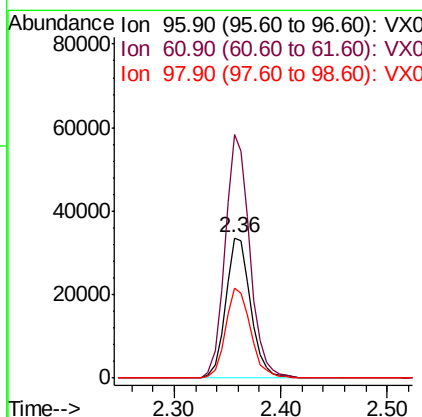
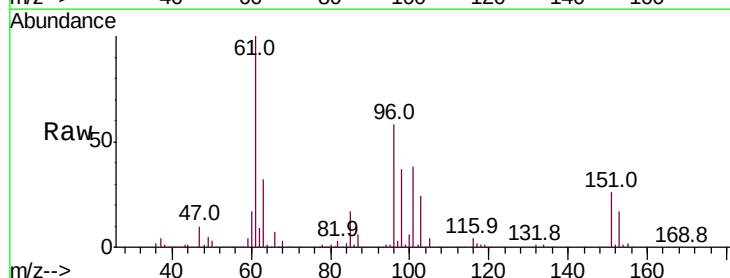
Tot Ion: 59 Resp: 136391
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

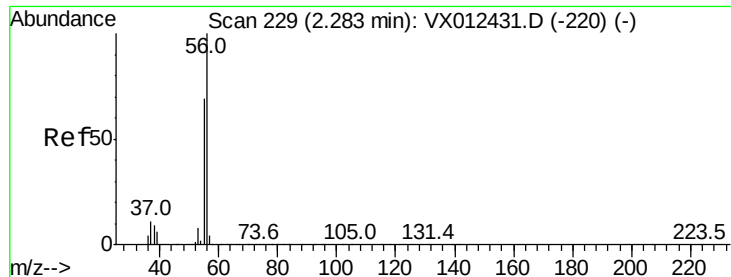


#12

1,1-Dichloroethene
Concen: 47.298 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion: 96 Resp: 55254
Ion Ratio Lower Upper
96 100
61 173.3 133.8 200.6
98 64.2 49.9 74.9





#13

Acrolein

Concen: 200.318 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

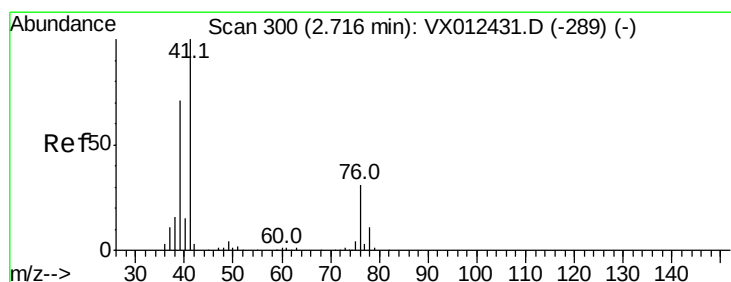
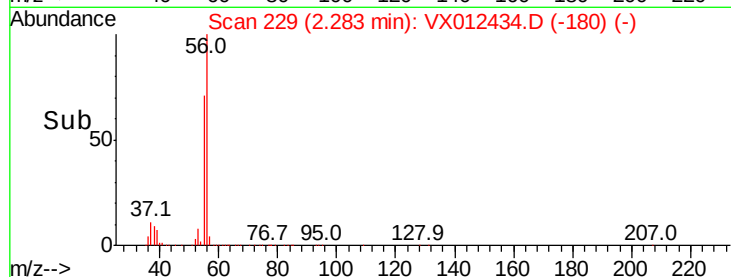
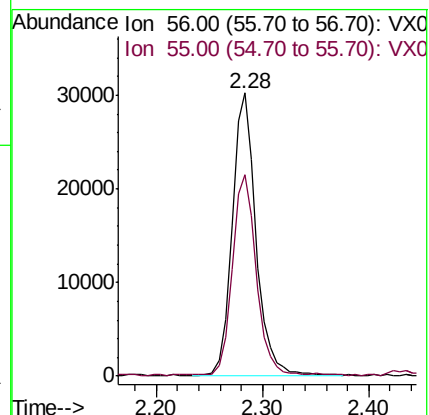
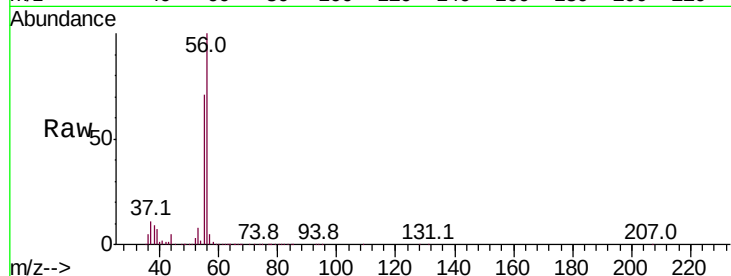
ICVVX091719

Tot Ion: 56 Resp: 46921

Ion Ratio Lower Upper

56 100

55 71.7 55.8 83.8



#14

Allyl chloride

Concen: 46.694 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

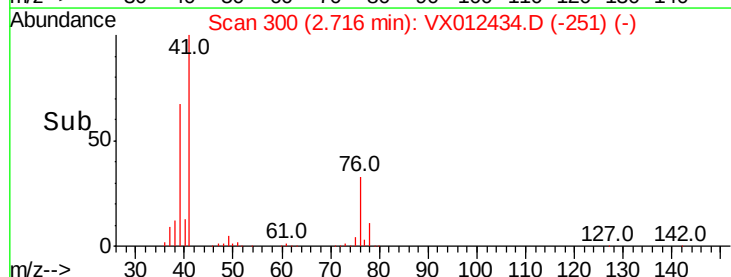
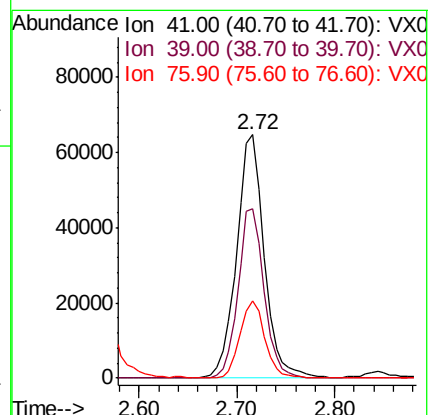
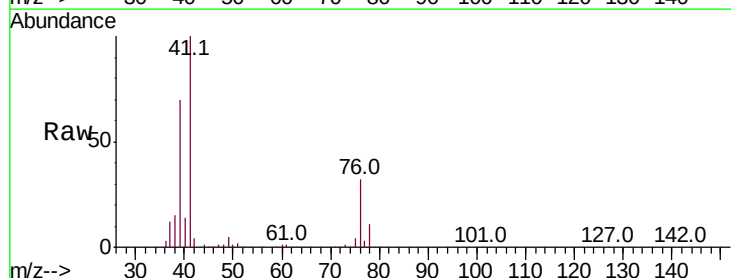
Tgt Ion: 41 Resp: 126997

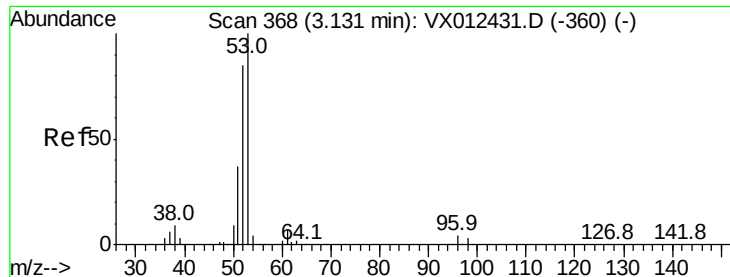
Ion Ratio Lower Upper

41 100

39 65.3 51.3 76.9

76 28.7 22.6 33.8





#15

Acrylonitrile

Concen: 217.995 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

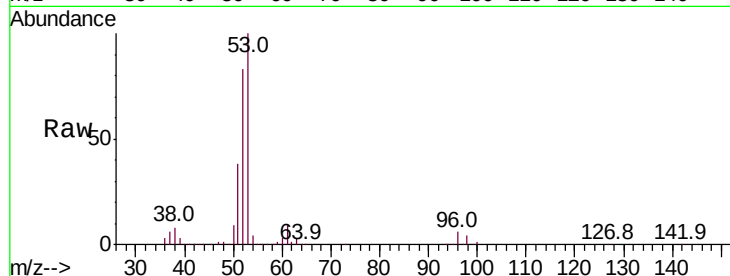
MSVOA_X

ClientSampleId :

ICVVX091719

Tot Ion: 53 Resp: 251567

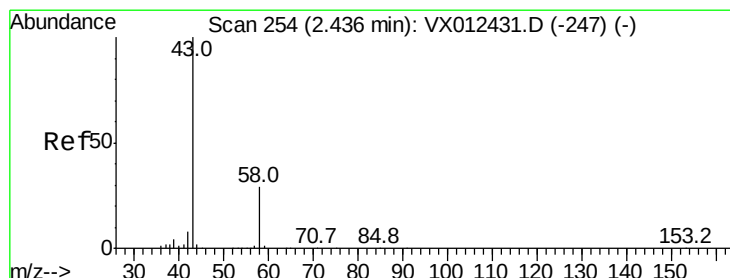
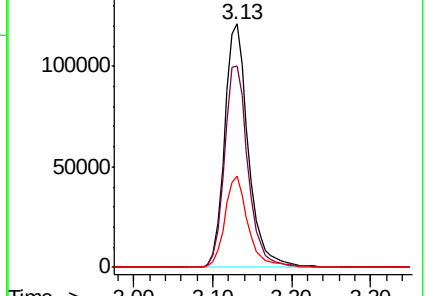
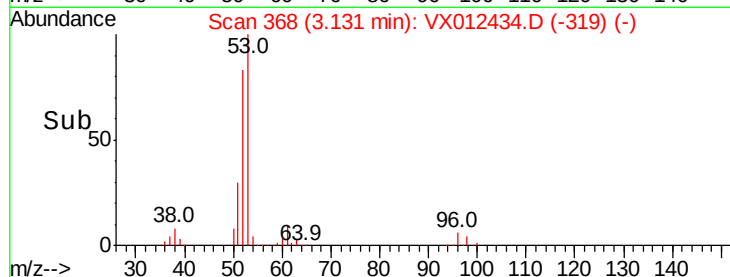
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.0	100.4
51	37.2	29.6	44.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 233.943 ug/l

RT: 2.43 min Scan# 253

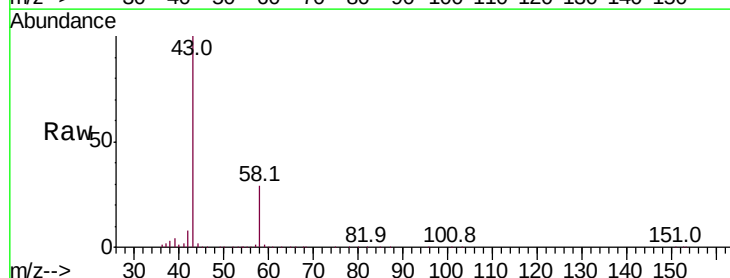
Delta R.T. -0.01 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

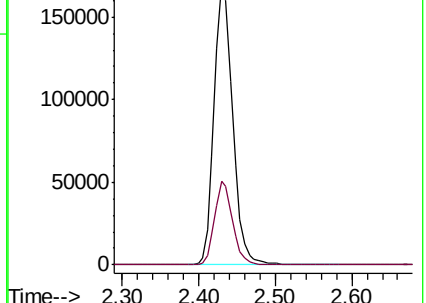
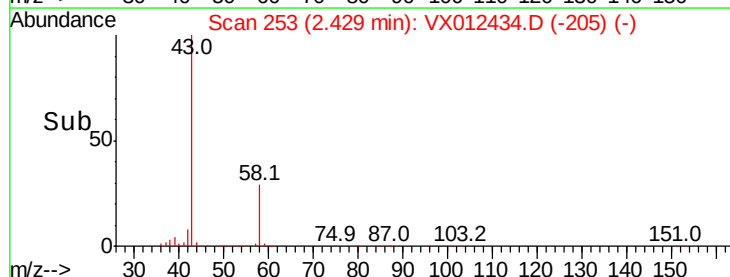
Tgt Ion: 43 Resp: 285287

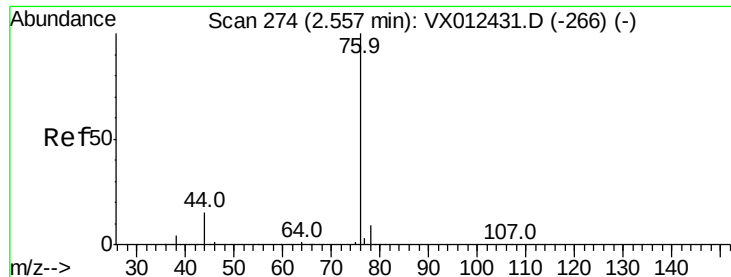
Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.3	34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 46.034 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

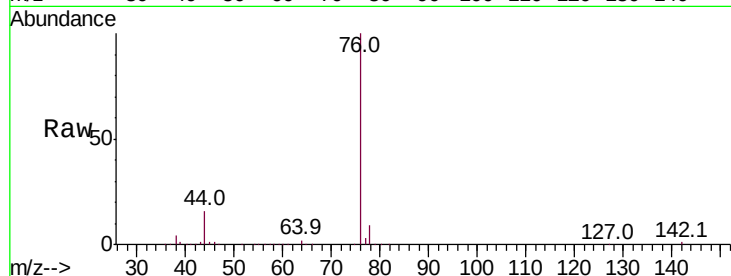
ICVVX091719

Tot Ion: 76 Resp: 75809

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

40000

30000

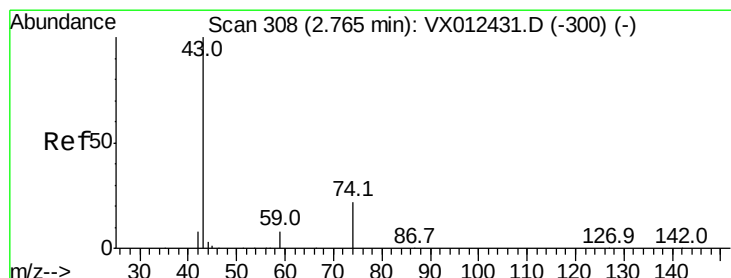
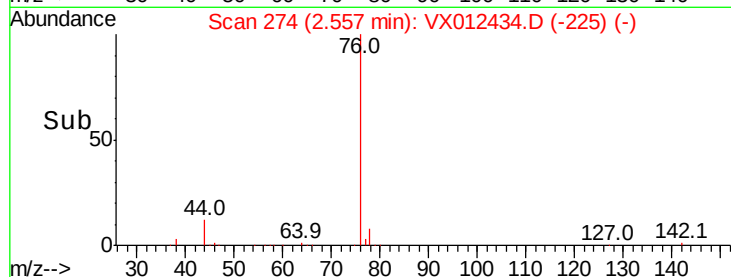
20000

10000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 43.756 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012434.D

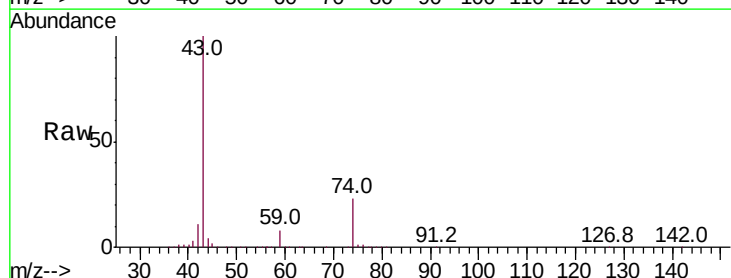
Acq: 17 Sep 2019 15:22

Tgt Ion: 43 Resp: 121424

Ion Ratio Lower Upper

43 100

74 22.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

60000

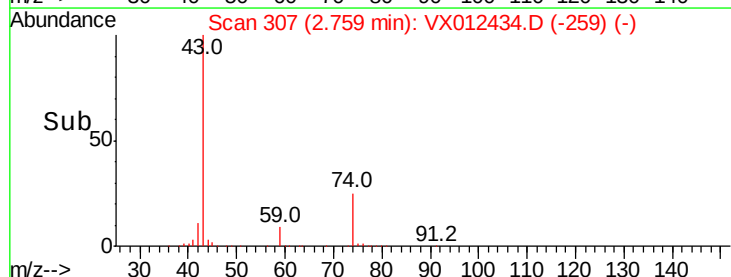
40000

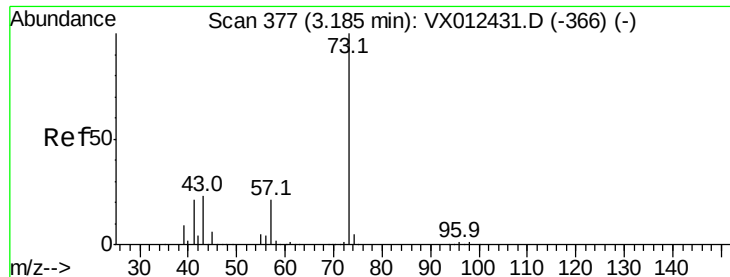
20000

0

Time-->

2.70 2.80 2.90

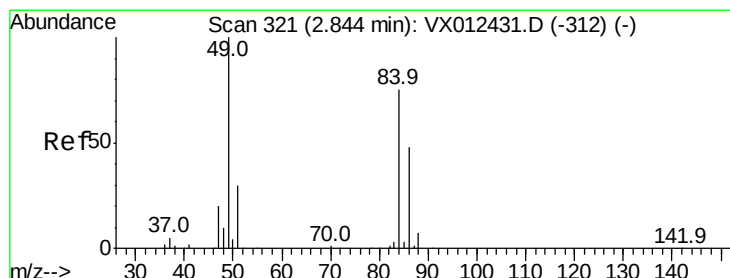
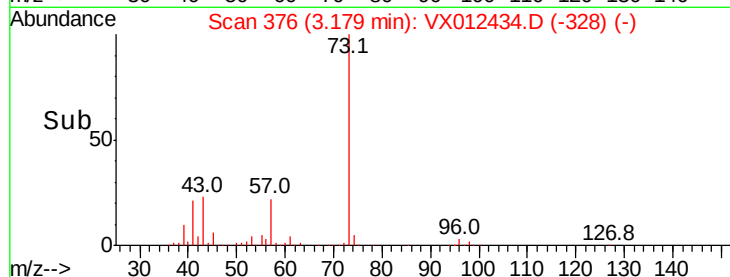
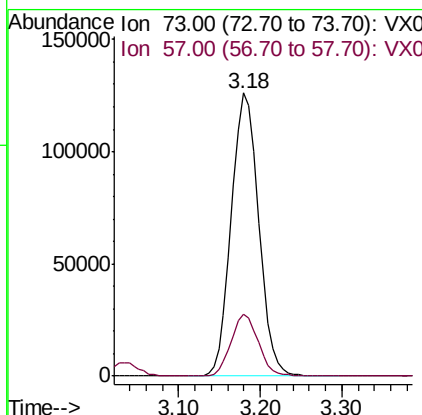
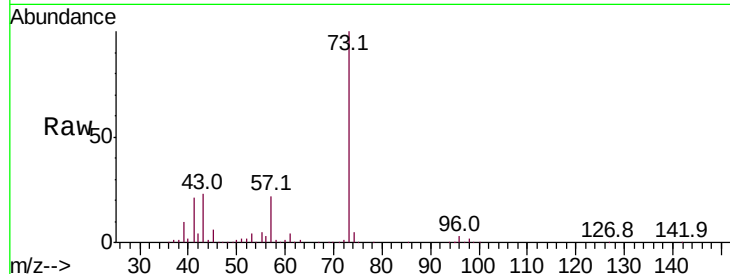




#19
Methyl tert-butyl Ether
Concen: 45.910 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

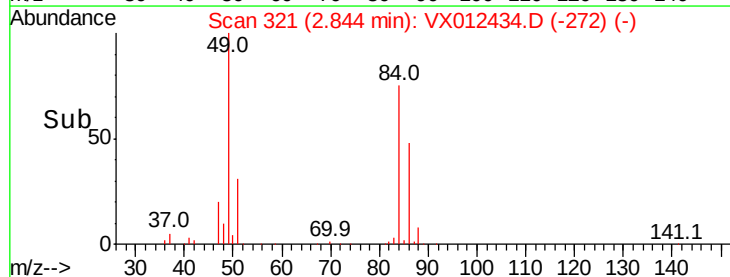
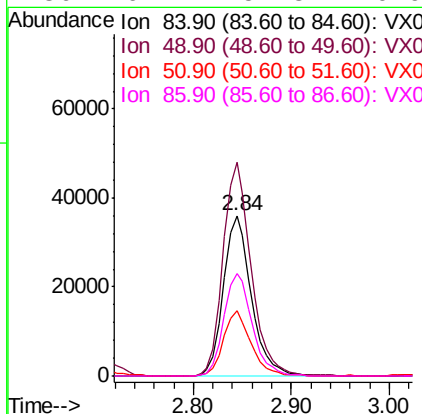
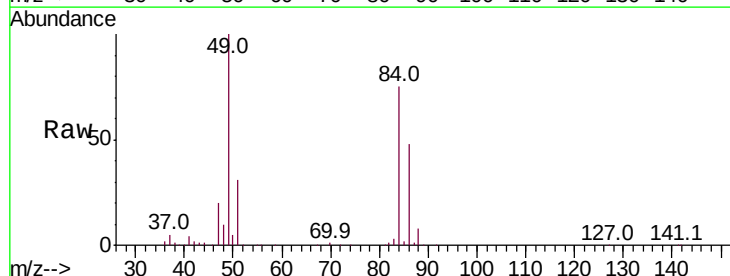
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

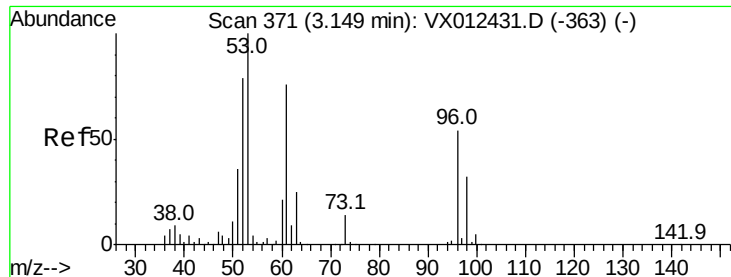
Tot Ion: 73 Resp: 292426
Ion Ratio Lower Upper
73 100
57 22.1 16.8 25.2



#20
Methylene Chloride
Concen: 44.052 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion: 84 Resp: 70997
Ion Ratio Lower Upper
84 100
49 133.4 106.8 160.2
51 40.9 32.3 48.5
86 64.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 47.787 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVX091719

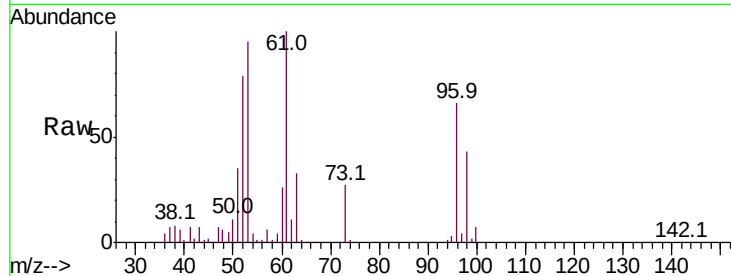
Tot Ion: 96 Resp: 57971

Ion Ratio Lower Upper

96 100

61 150.8 112.0 168.0

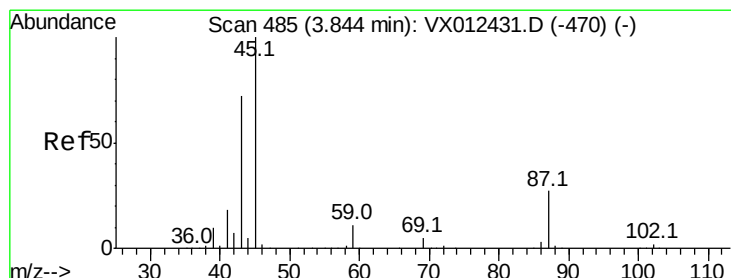
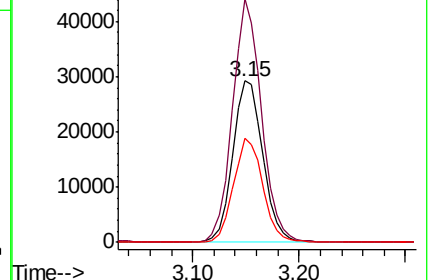
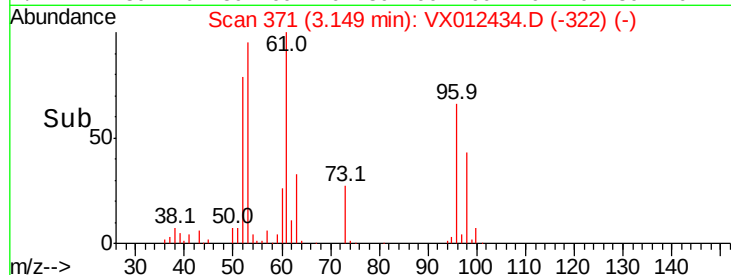
98 64.2 47.8 71.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 45.265 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Tgt Ion: 45 Resp: 288253

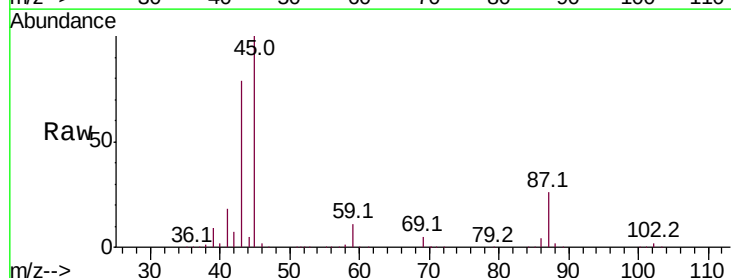
Ion Ratio Lower Upper

45 100

43 78.8 57.8 86.8

87 26.2 21.3 31.9

59 11.5 8.5 12.7

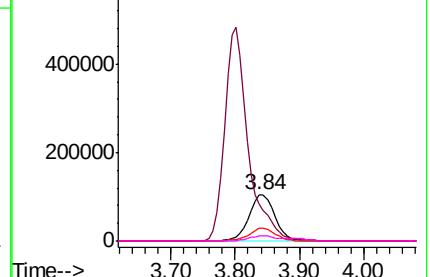
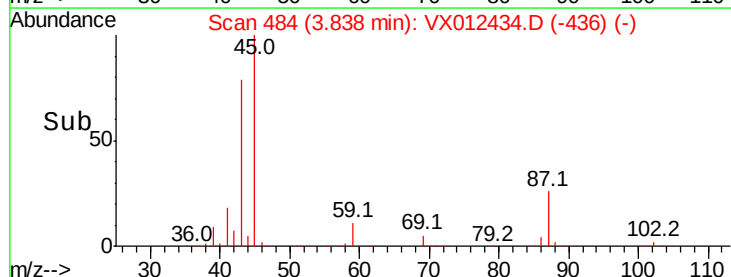


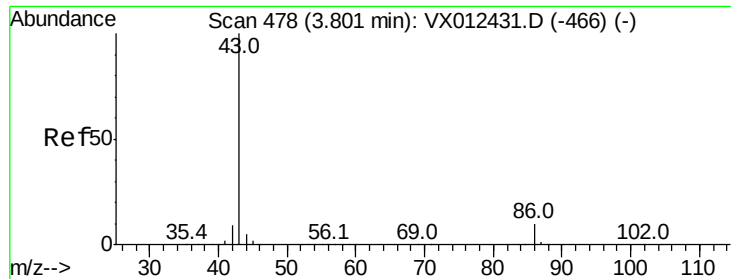
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 236.561 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

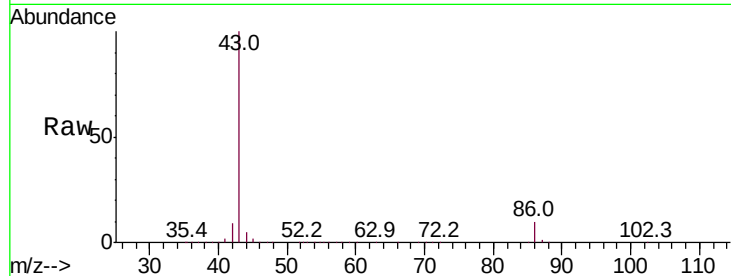
ICVVX091719

Tot Ion: 43 Resp: 1239215

Ion Ratio Lower Upper

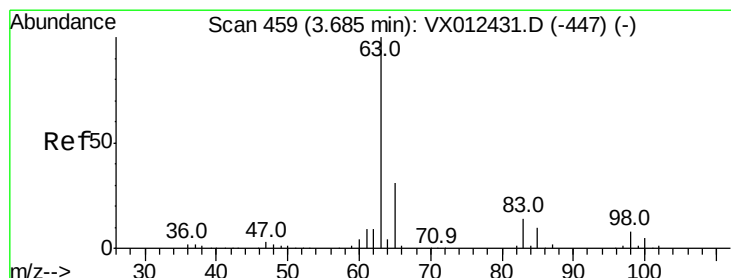
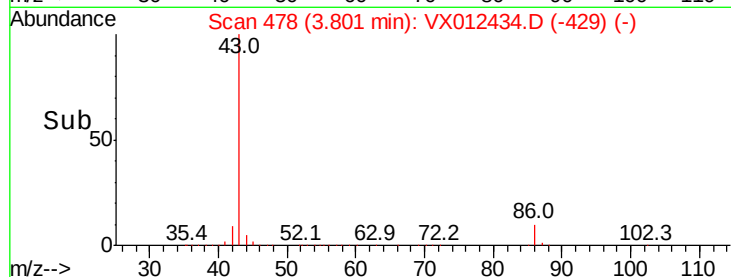
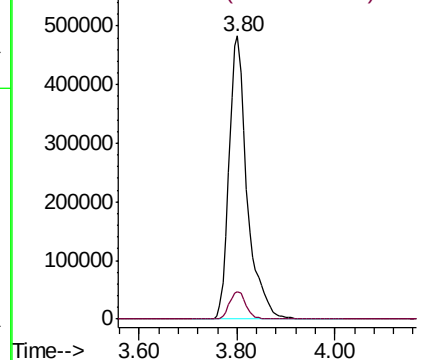
43 100

86 9.8 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 46.573 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

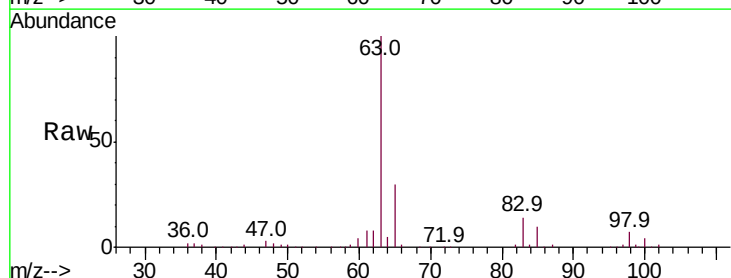
Tgt Ion: 63 Resp: 141903

Ion Ratio Lower Upper

63 100

98 6.6 3.9 11.7

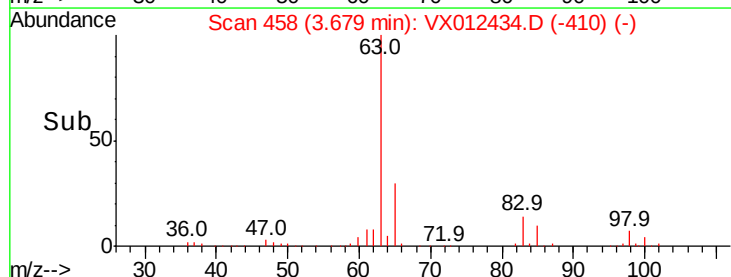
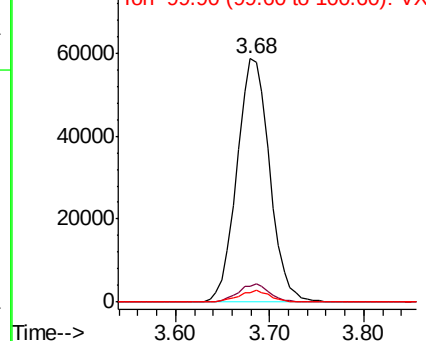
100 4.1 2.3 6.9

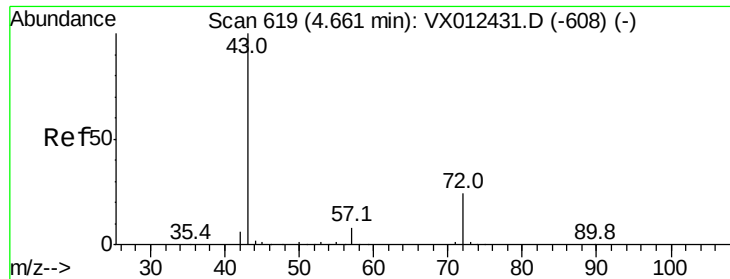


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 214.558 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

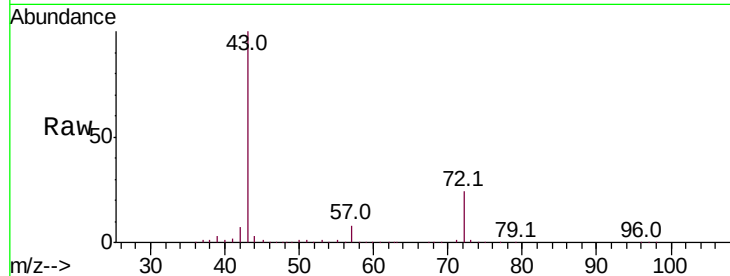
ICVVX091719

Tot Ion: 43 Resp: 396346

Ion Ratio Lower Upper

43 100

72 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

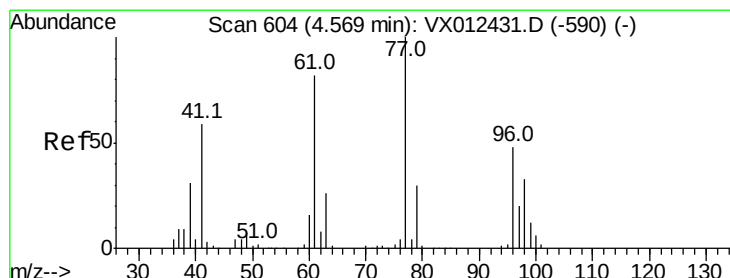
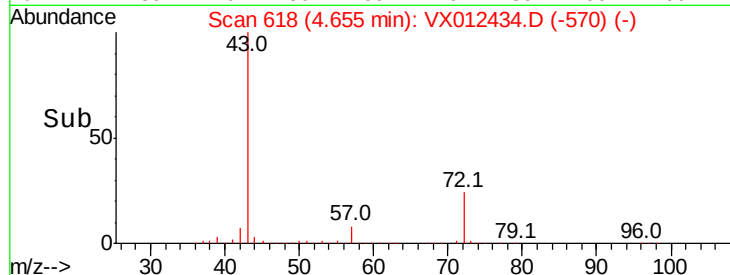
100000

50000

0

4.60 4.65 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.772 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012434.D

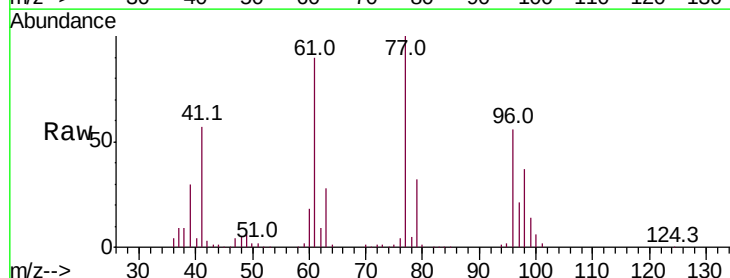
Acq: 17 Sep 2019 15:22

Tgt Ion: 77 Resp: 140154

Ion Ratio Lower Upper

77 100

97 20.7 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

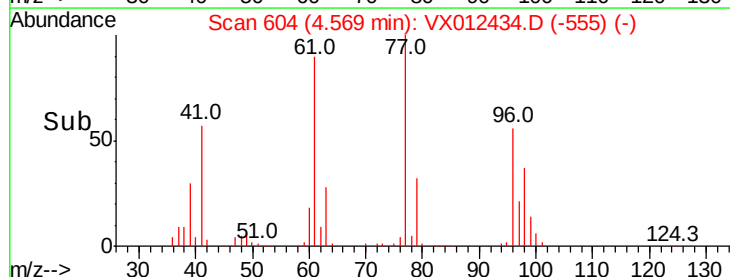
20000

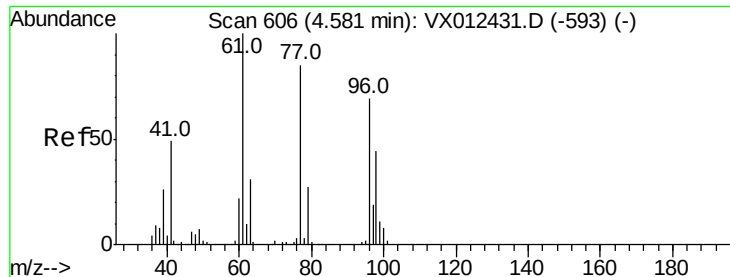
10000

0

4.40 4.50 4.60 4.70

Time-->



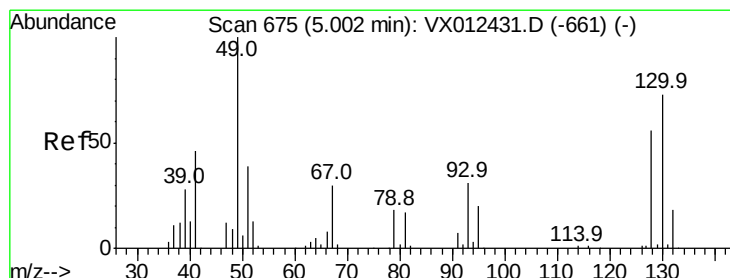
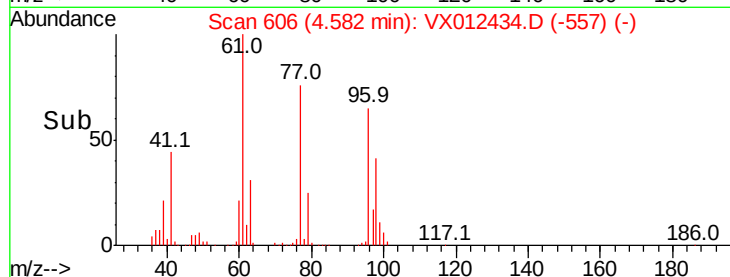
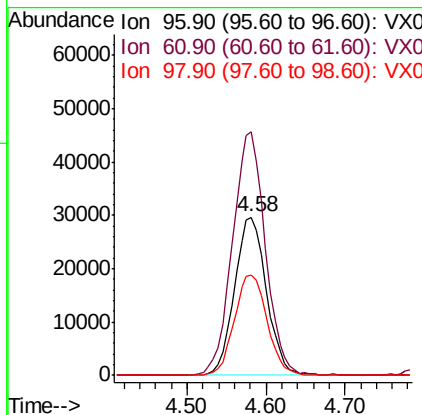
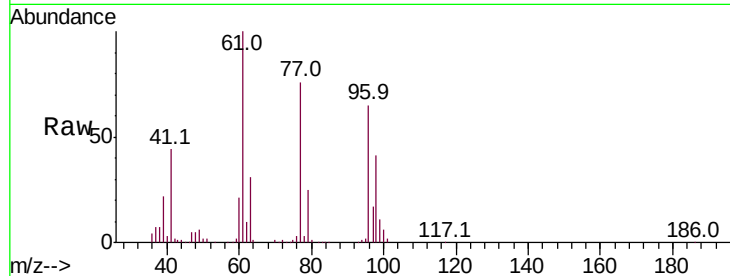


#27

cis-1,2-Dichloroethene
 Concen: 46.180 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

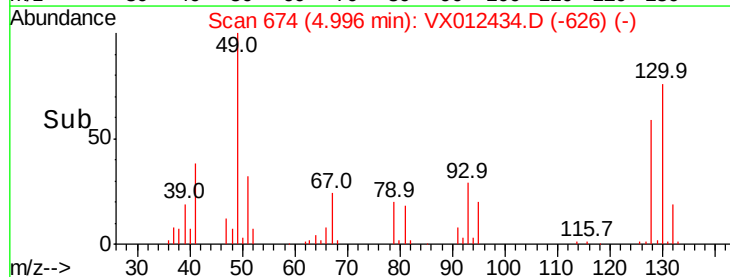
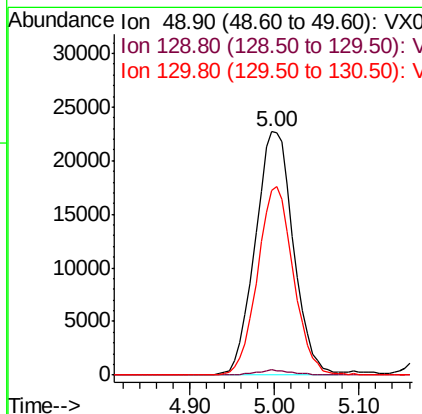
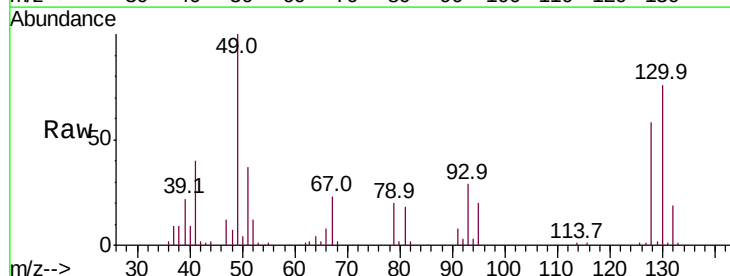
Tot Ion: 96 Resp: 83686
 Ion Ratio Lower Upper
 96 100
 61 157.9 0.0 319.4
 98 64.8 0.0 130.6

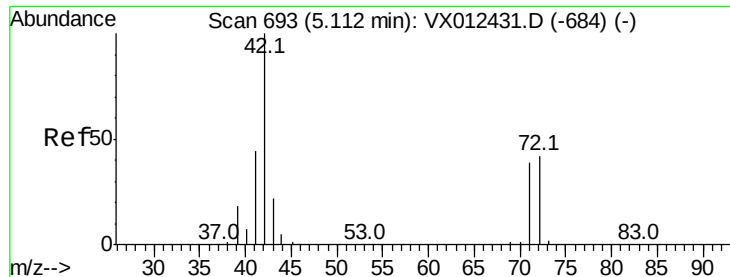


#28

Bromochloromethane
 Concen: 44.923 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion: 49 Resp: 70565
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 72.9 58.2 87.4





#29

Tetrahydrofuran

Concen: 222.835 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

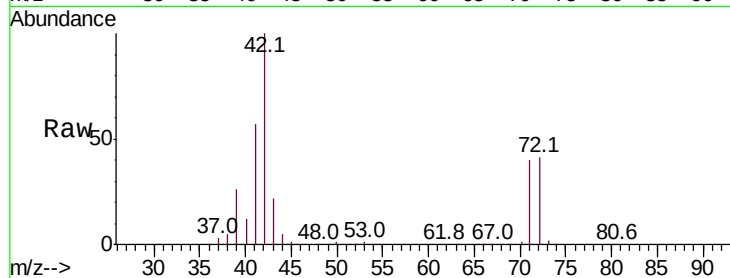
Tot Ion: 42 Resp: 227403

Ion Ratio Lower Upper

42 100

72 41.9 34.0 51.0

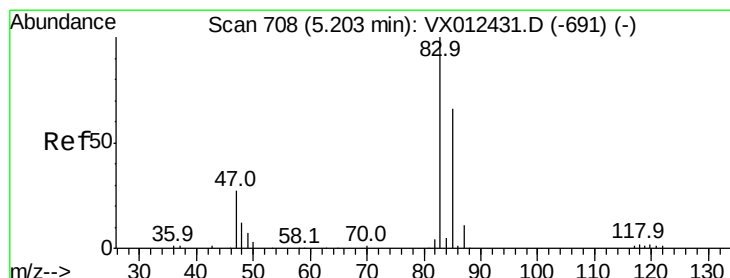
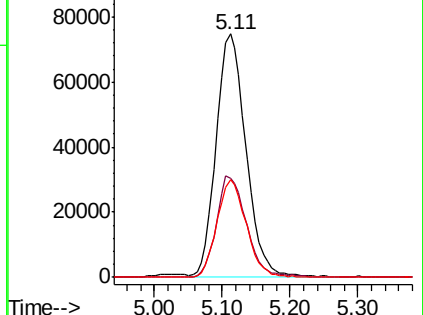
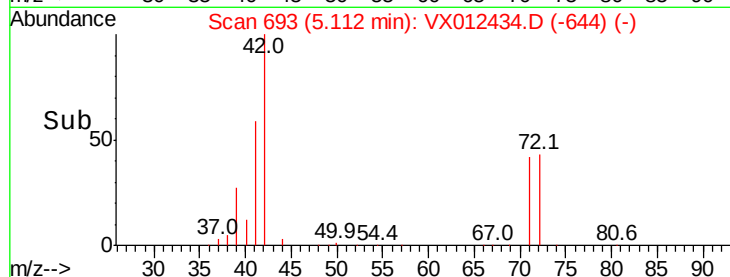
71 39.4 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 44.599 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX012434.D

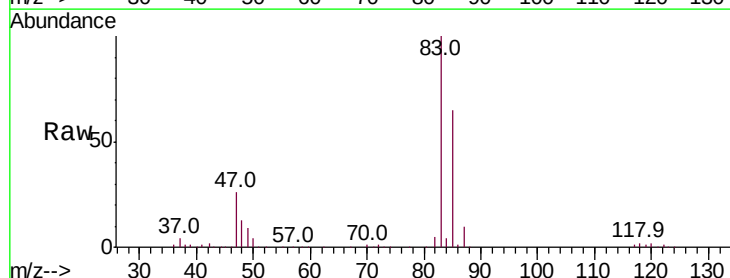
Acq: 17 Sep 2019 15:22

Tgt Ion: 83 Resp: 156062

Ion Ratio Lower Upper

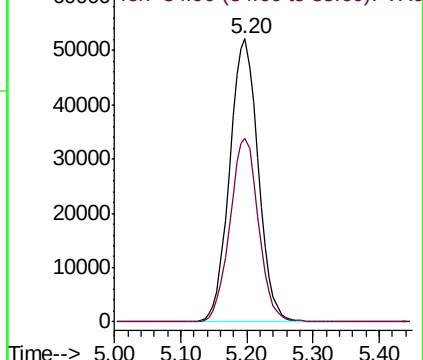
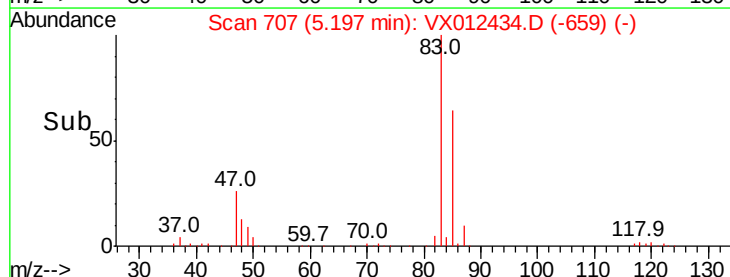
83 100

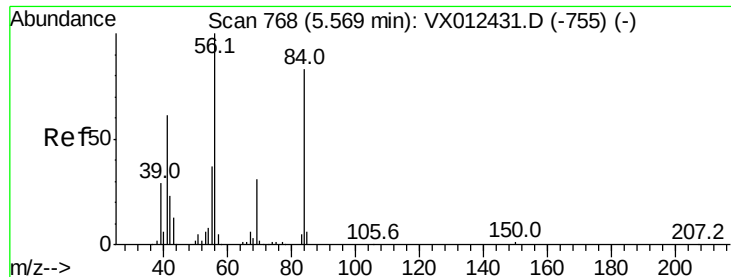
85 64.9 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

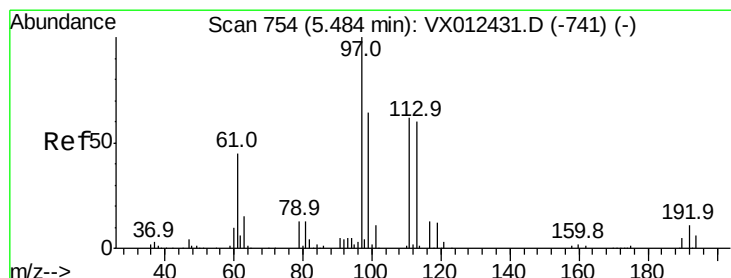
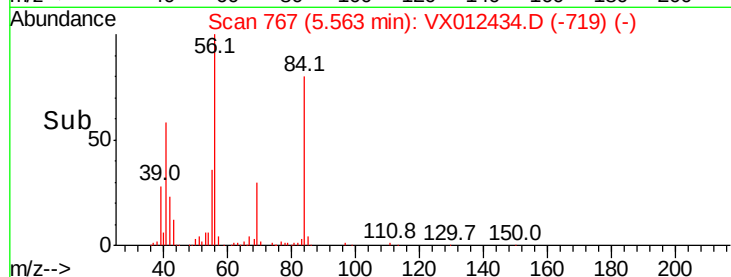
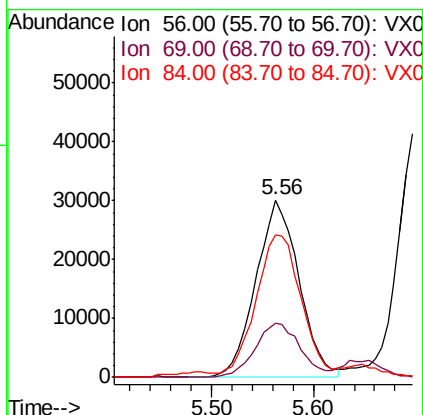
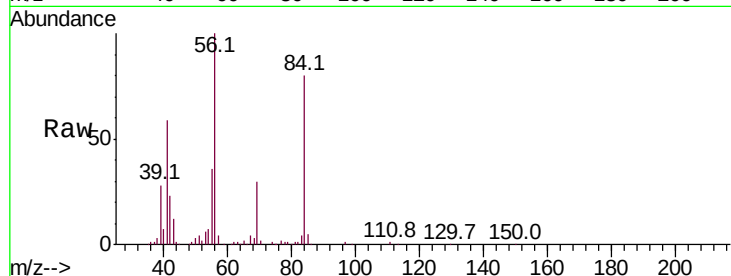




#31
Cyclohexane
Concen: 48.113 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

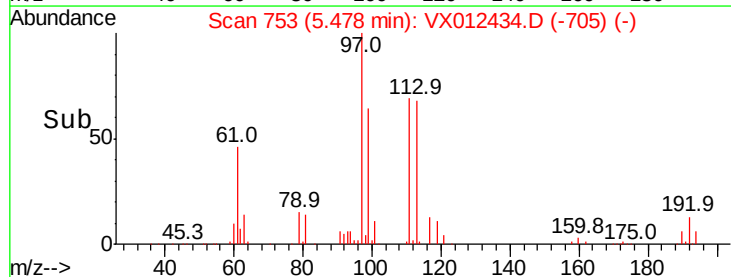
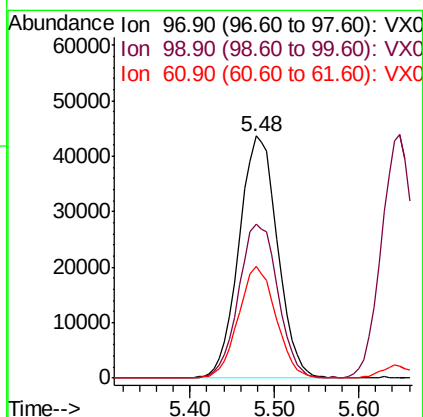
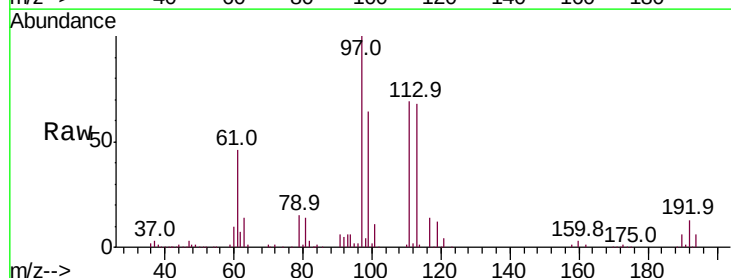
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

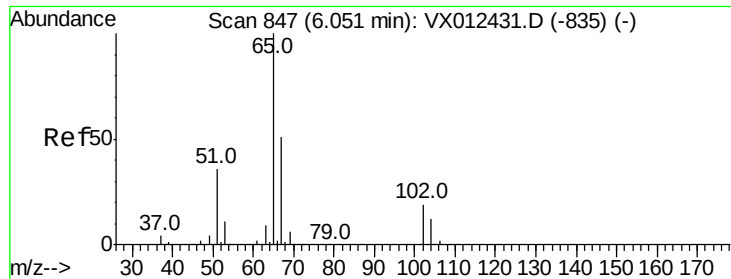
Tot Ion: 56 Resp: 88493
Ion Ratio Lower Upper
56 100
69 30.2 25.0 37.6
84 78.0 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 46.311 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion: 97 Resp: 135443
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 45.2 36.1 54.1

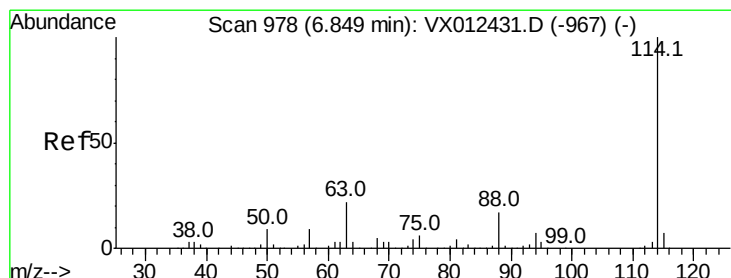
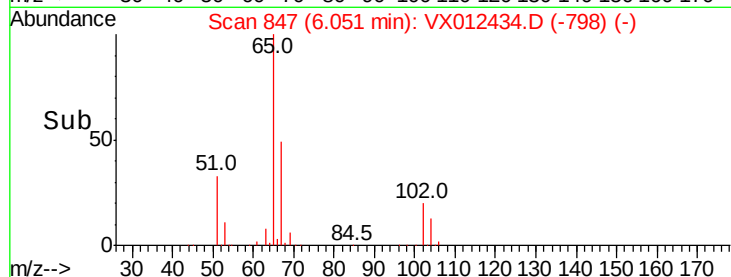
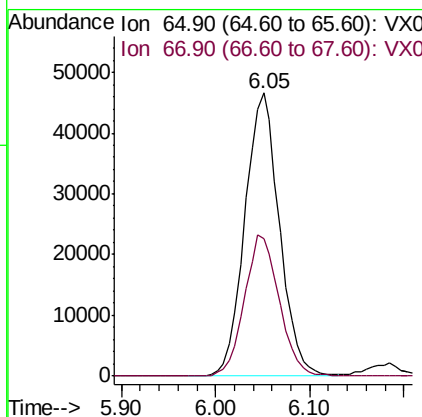
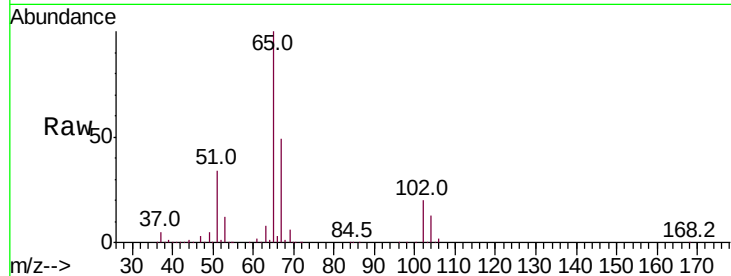




#33
 1,2-Dichloroethane-d4
 Concen: 45.105 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

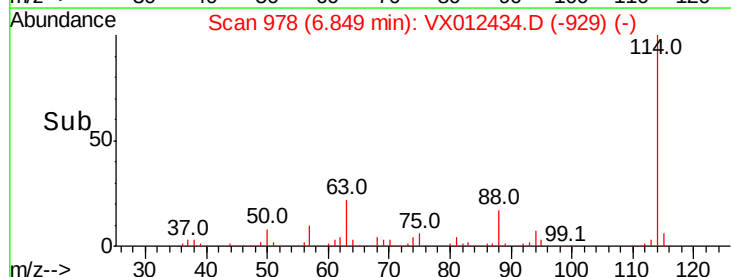
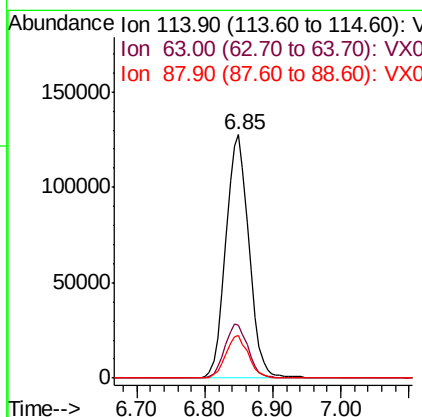
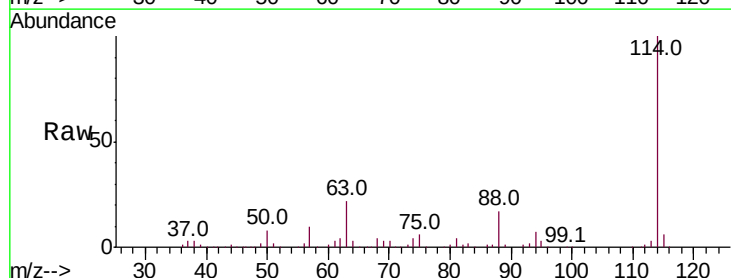
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

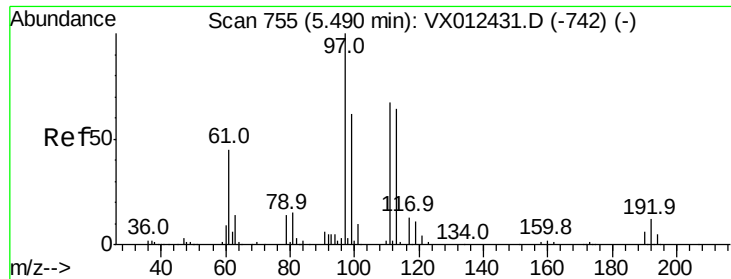
Tot Ion: 65 Resp: 120117
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion: 114 Resp: 300817
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 17.4 0.0 33.2

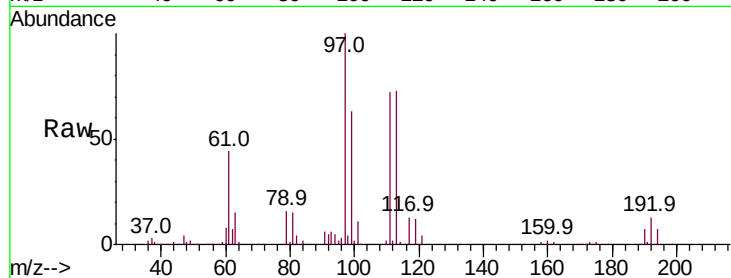




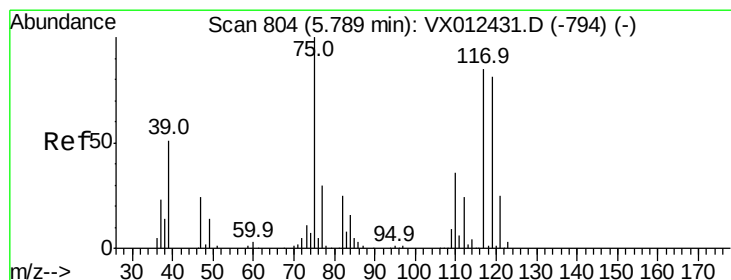
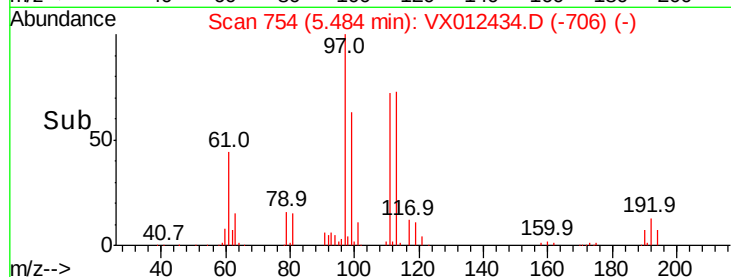
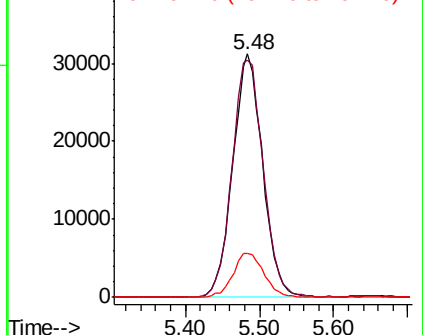
#35
 Dibromofluoromethane
 Concen: 48.246 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

Tot Ion:113 Resp: 87842
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.4 125.2
 192 18.9 14.4 21.6

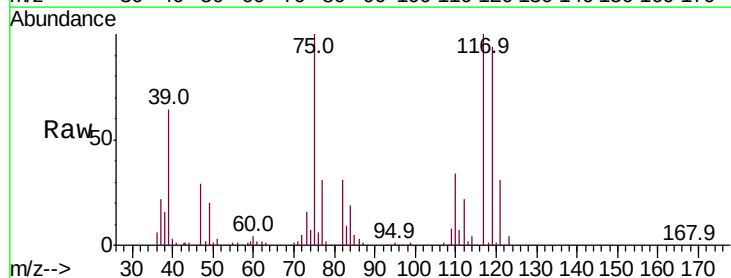


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

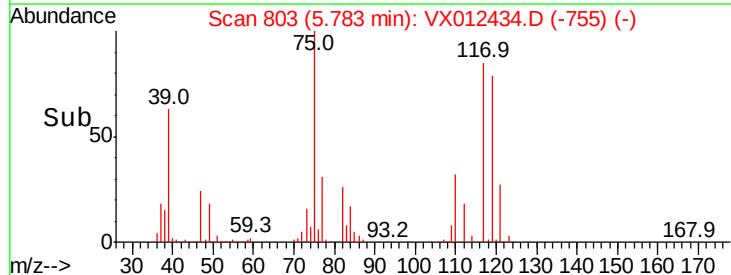
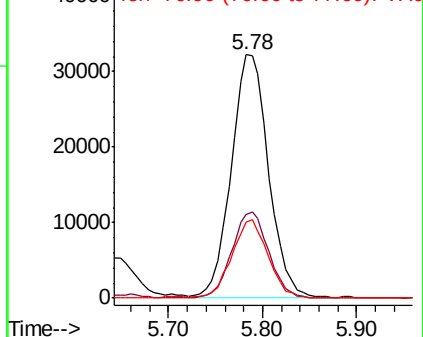


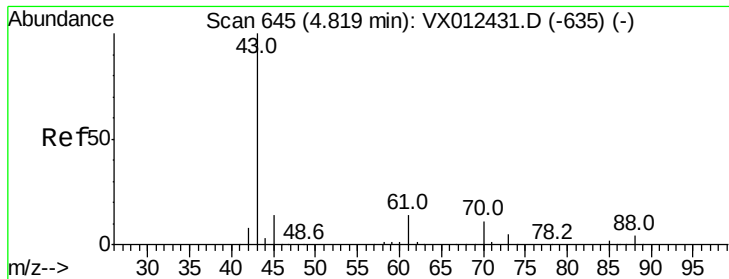
#36
 1,1-Dichloropropene
 Concen: 48.112 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion: 75 Resp: 87960
 Ion Ratio Lower Upper
 75 100
 110 35.3 16.7 50.0
 77 31.8 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 49.017 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

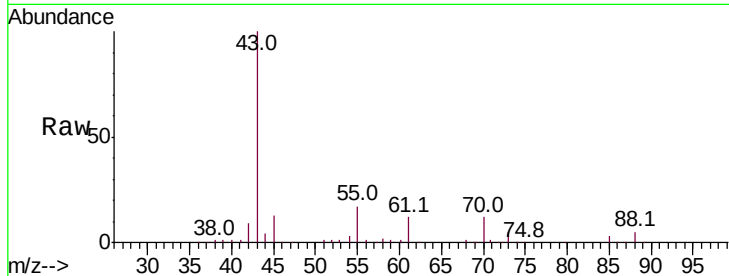
Tot Ion: 43 Resp: 137558

Ion Ratio Lower Upper

43 100

61 12.7 10.2 15.4

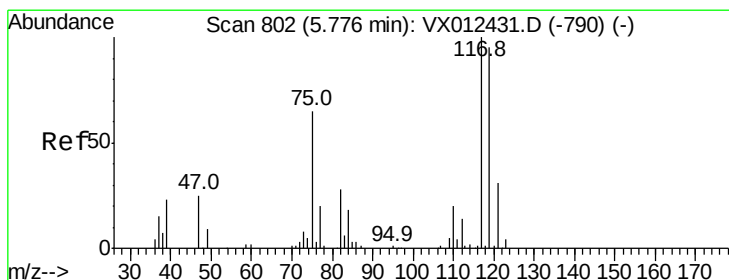
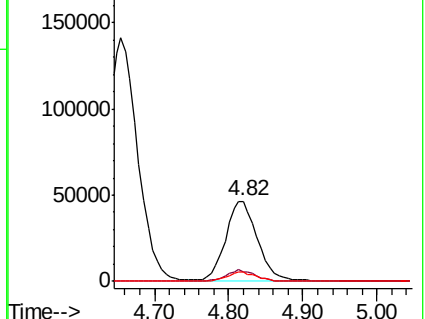
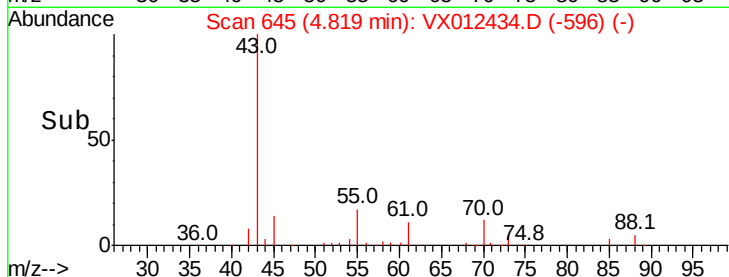
70 11.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 48.667 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

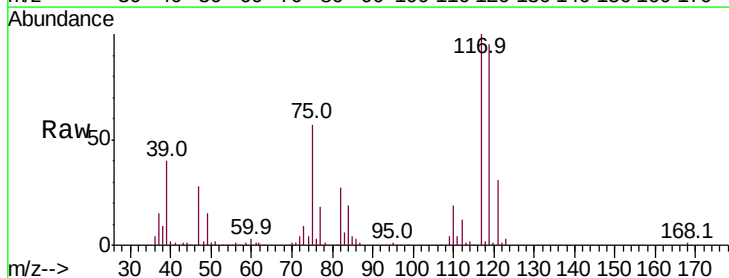
Tgt Ion: 117 Resp: 110659

Ion Ratio Lower Upper

117 100

119 94.9 75.7 113.5

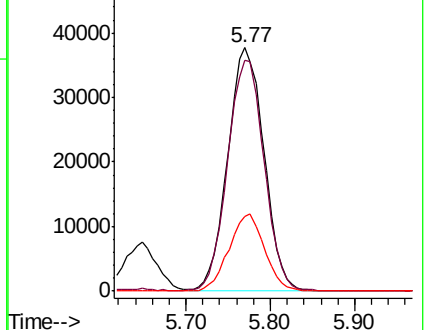
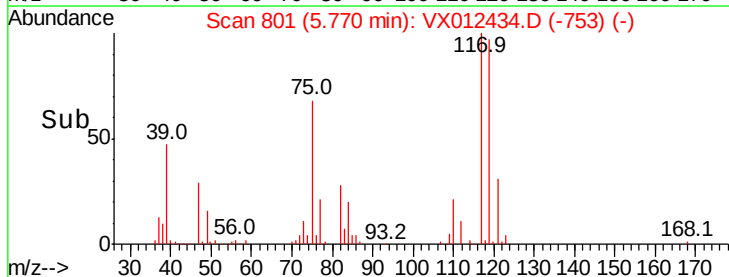
121 30.7 24.2 36.4

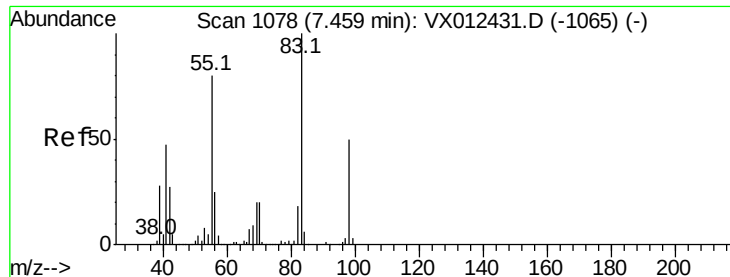


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

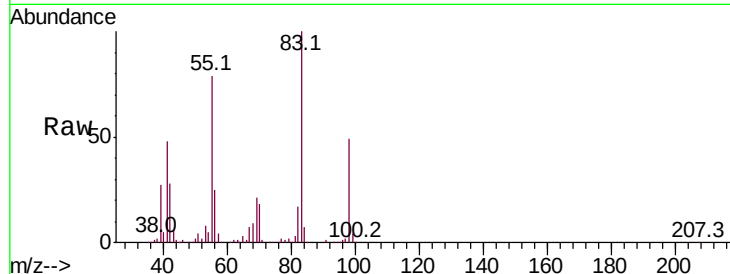




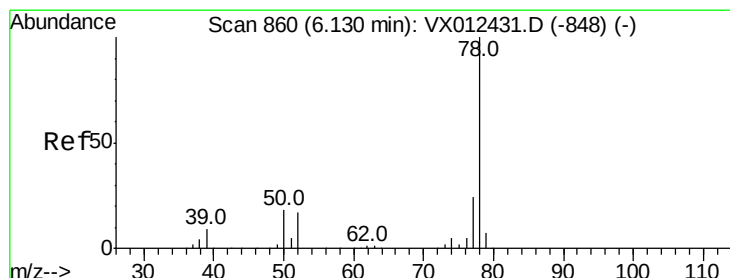
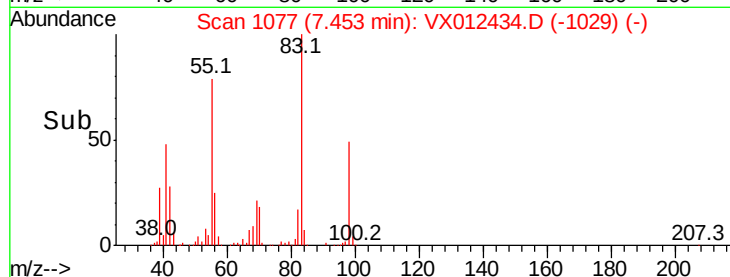
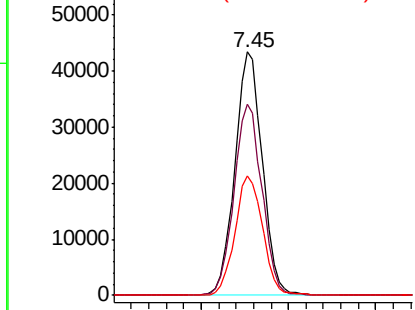
#39
Methylvlcyclohexane
Concen: 53.311 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

Tot Ion: 83 Resp: 94749
Ion Ratio Lower Upper
83 100
55 78.6 64.4 96.6
98 48.9 40.1 60.1

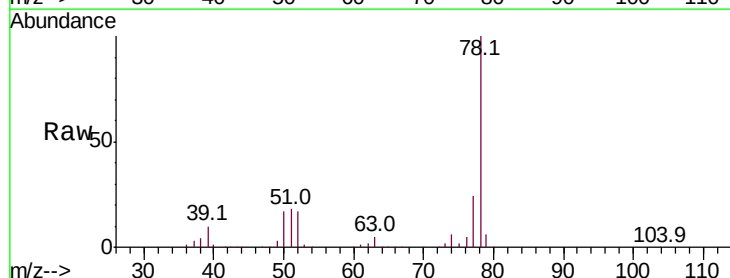


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

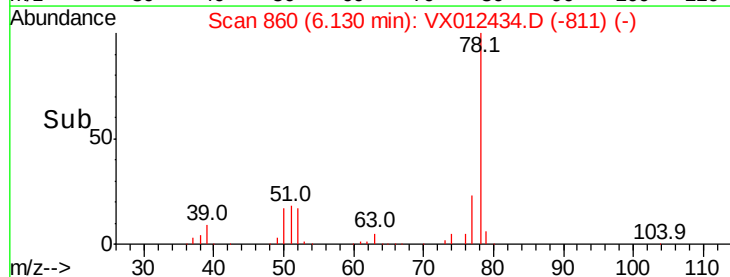
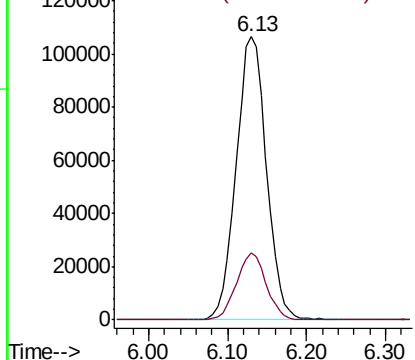


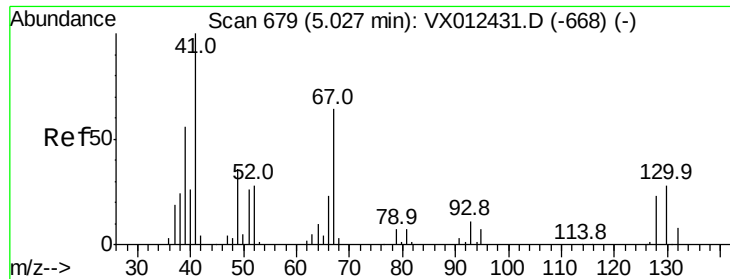
#40
Benzene
Concen: 48.860 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion: 78 Resp: 284053
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8



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





#41

Methacrylonitrile

Concen: 45.521 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

Tot Ion: 41 Resp: 82256

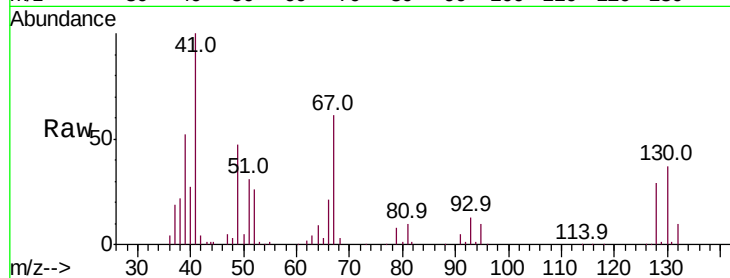
Ion Ratio Lower Upper

41 100

39 54.7 46.0 69.0

67 65.5 52.2 78.2

52 28.2 22.7 34.1

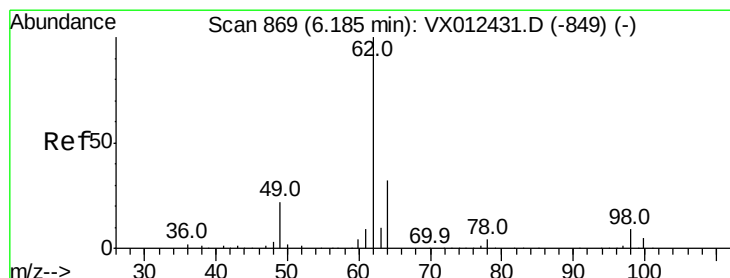
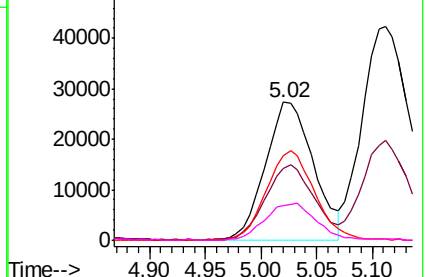
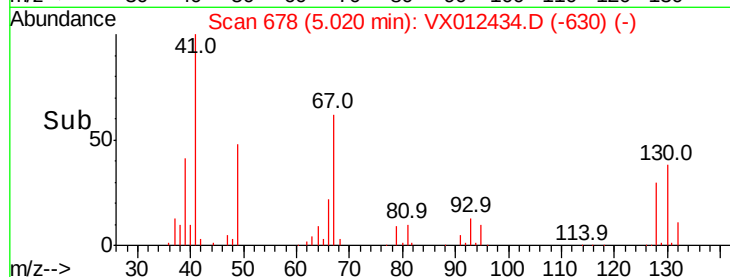


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.906 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012434.D

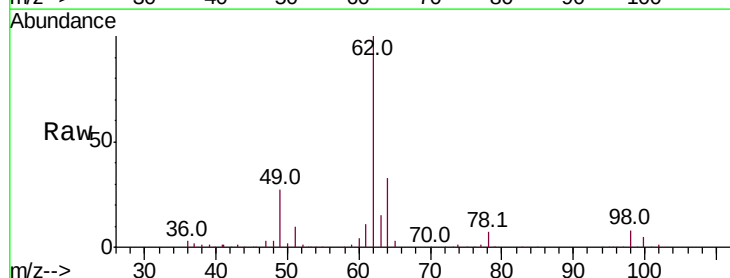
Acq: 17 Sep 2019 15:22

Tgt Ion: 62 Resp: 126479

Ion Ratio Lower Upper

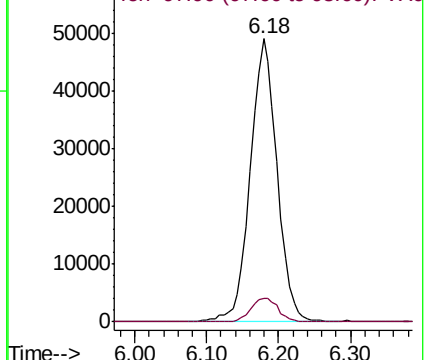
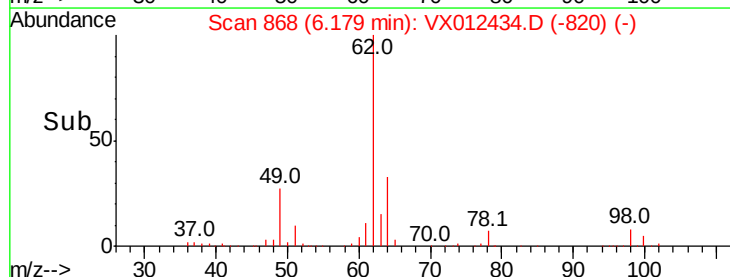
62 100

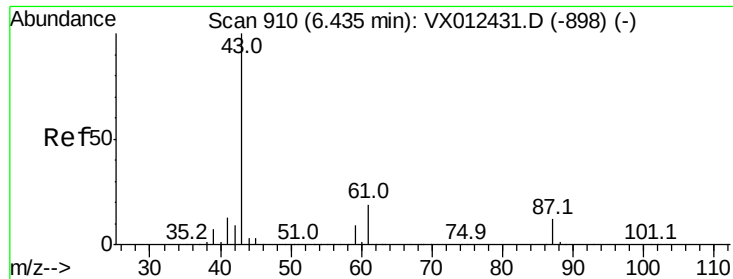
98 8.6 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 46.912 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

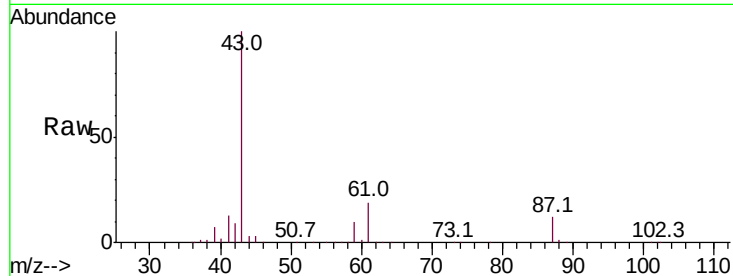
Tot Ion: 43 Resp: 236286

Ion Ratio Lower Upper

43 100

61 19.1 15.4 23.0

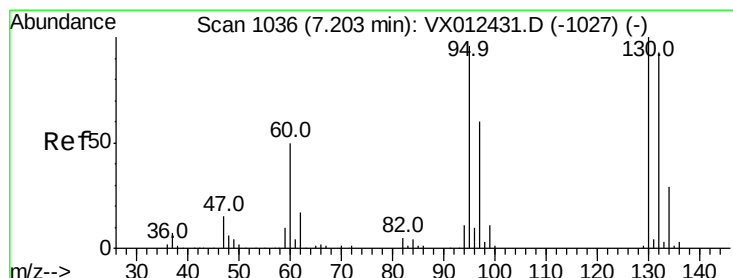
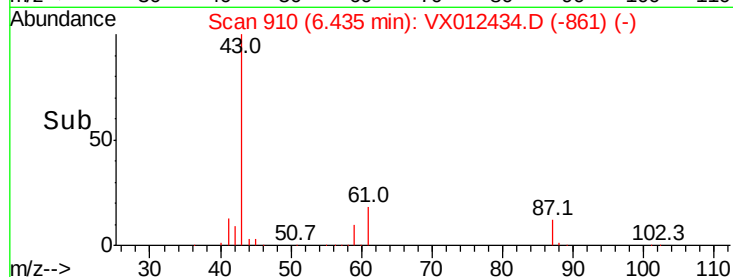
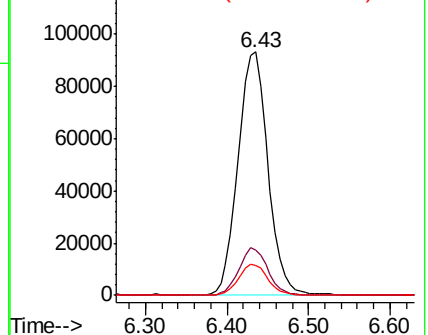
87 12.5 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 49.961 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX012434.D

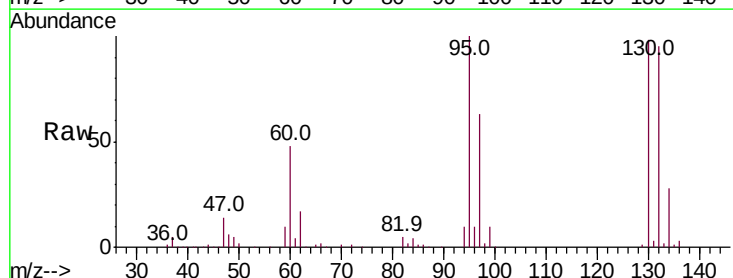
Acq: 17 Sep 2019 15:22

Tgt Ion:130 Resp: 76405

Ion Ratio Lower Upper

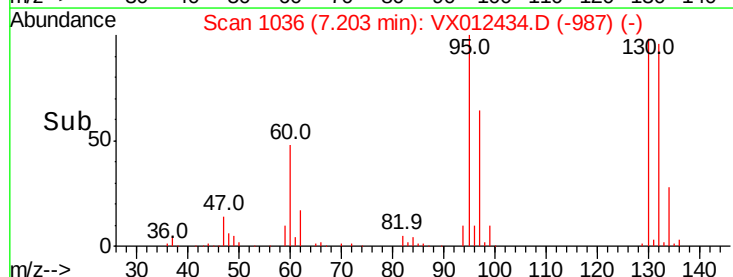
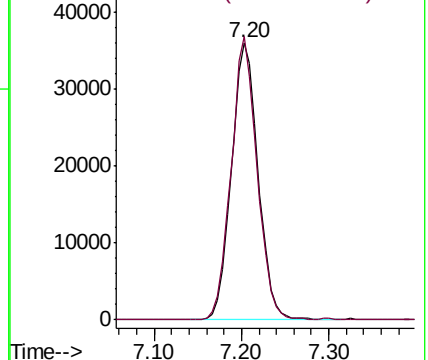
130 100

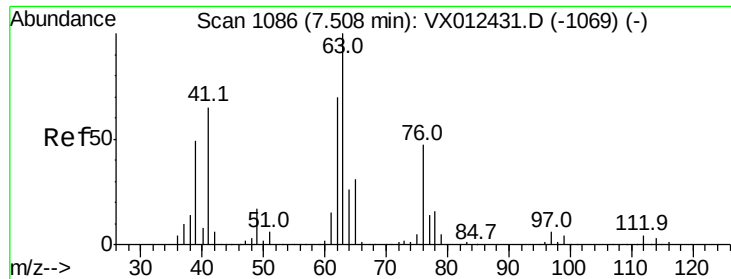
95 102.2 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

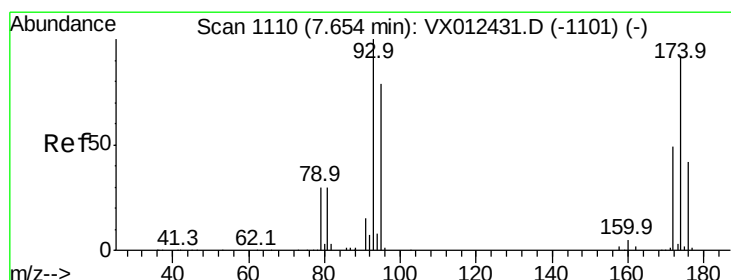
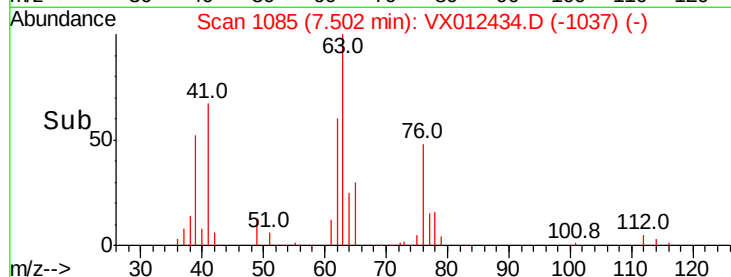
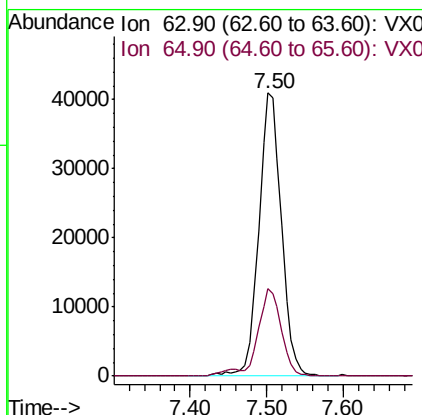
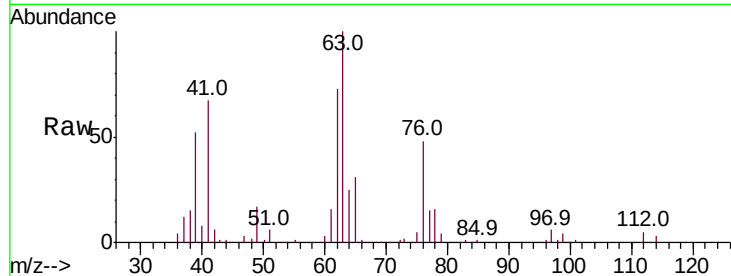




#45
 1,2-Dichloropropane
 Concen: 47.471 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

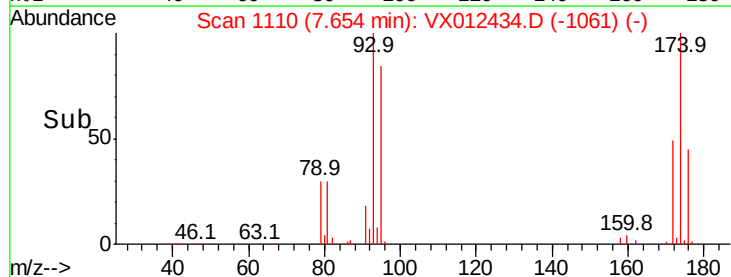
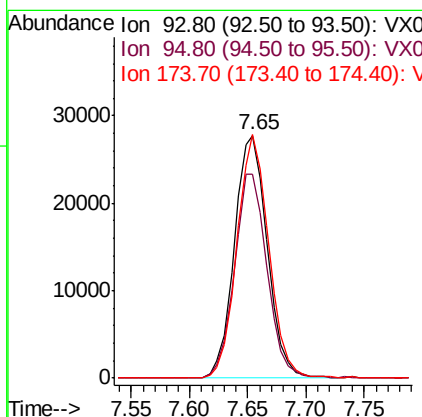
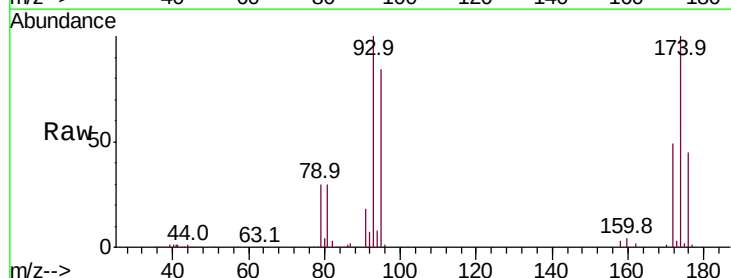
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

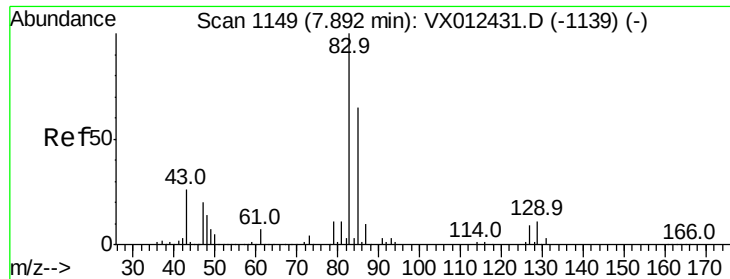
Tot Ion: 63 Resp: 84789
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



#46
 Dibromomethane
 Concen: 47.275 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion: 93 Resp: 54642
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 100.0
 174 97.2 77.4 116.0





#47

Bromodichloromethane

Concen: 49.556 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

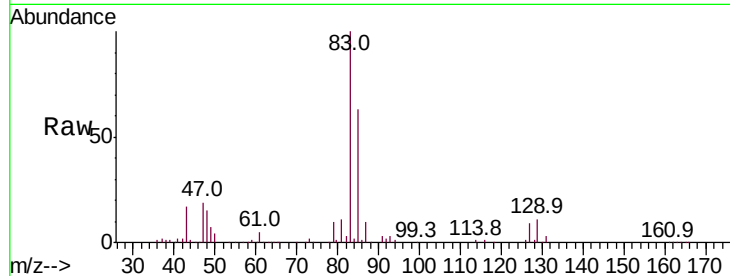
Tot Ion: 83 Resp: 127535

Ion Ratio Lower Upper

83 100

85 62.5 51.8 77.6

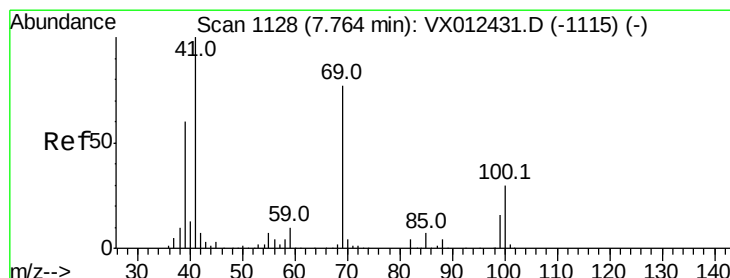
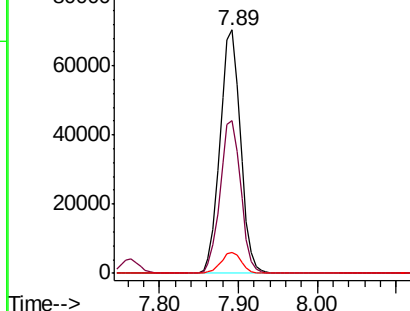
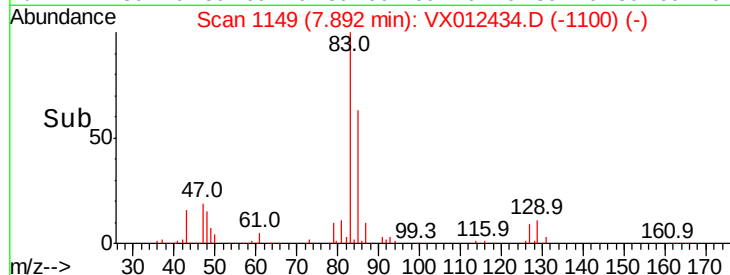
127 8.6 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 46.328 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

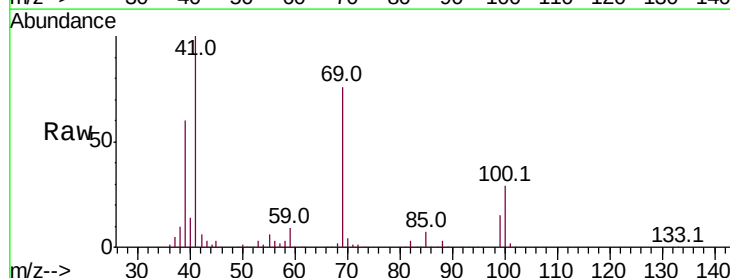
Tgt Ion: 41 Resp: 109997

Ion Ratio Lower Upper

41 100

69 77.1 59.9 89.9

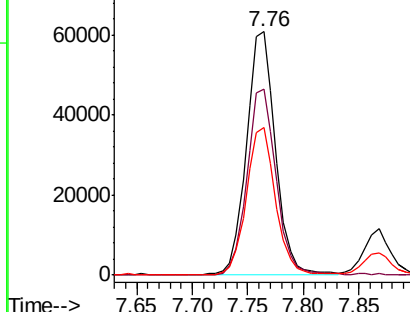
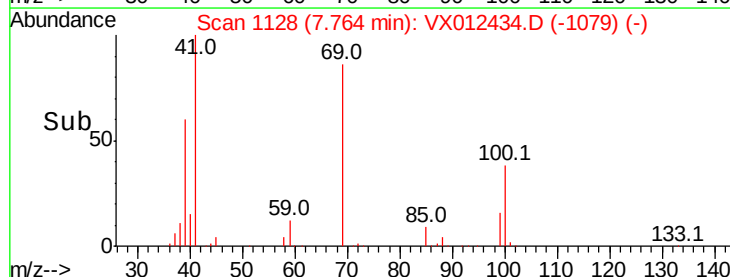
39 60.5 47.8 71.6

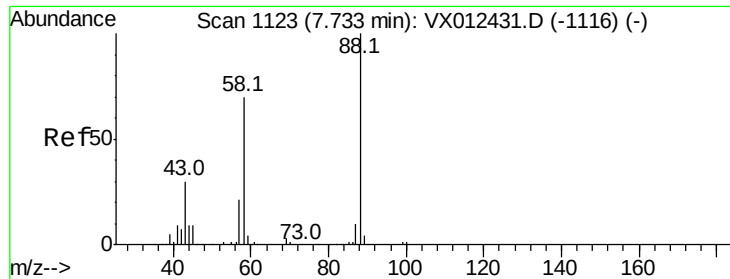


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

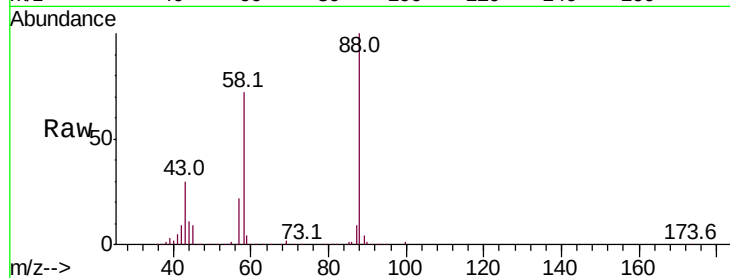




#49
1,4-Dioxane
Concen: 856.532 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

Tot Ion	88	Resp	49496
Ion	Ratio	Lower	Upper
88	100		
43	35.3	29.4	44.0
58	72.9	57.5	86.3

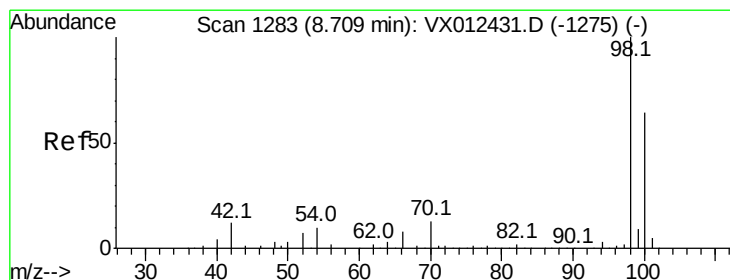
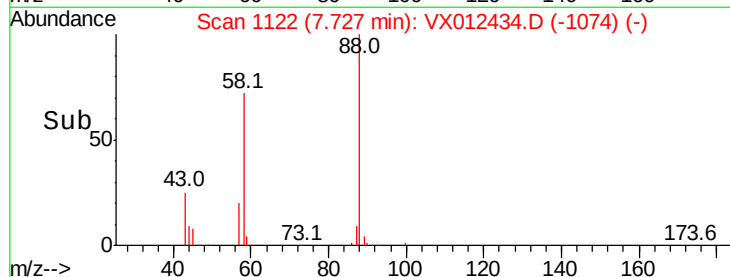
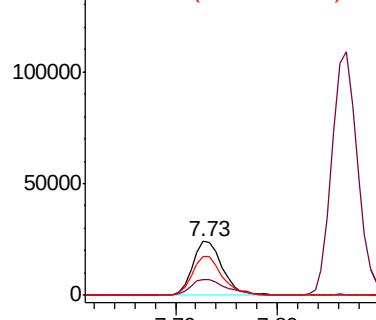


Abundance

Ion 88.00 (87.70 to 88.70): VX0

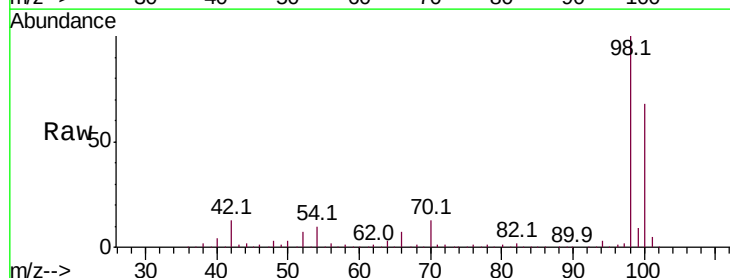
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.766 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

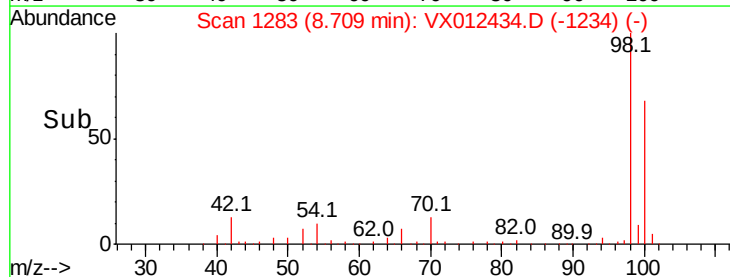
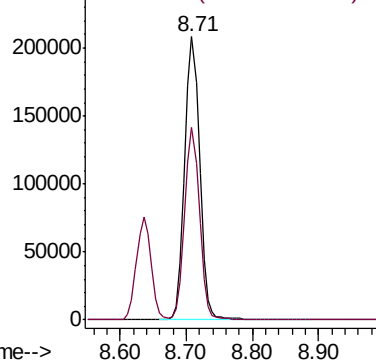
Tgt Ion	98	Resp	328645
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.2

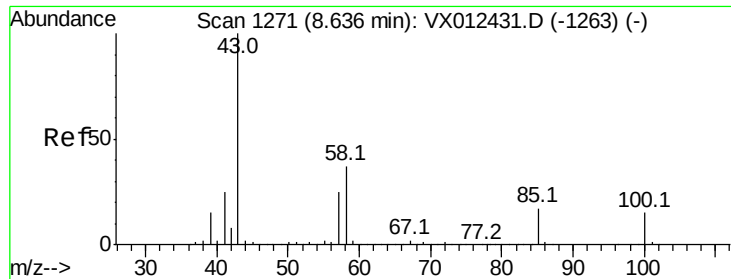


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 228.363 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

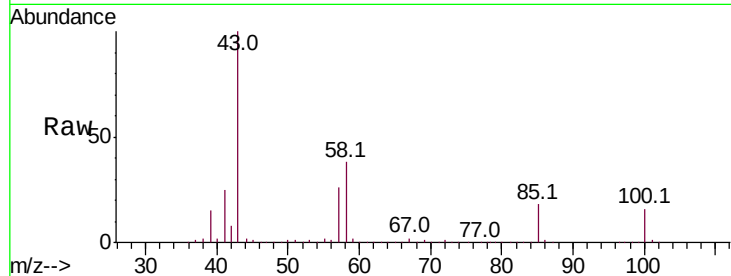
ICVVX091719

Tot Ion: 43 Resp: 754309

Ion Ratio Lower Upper

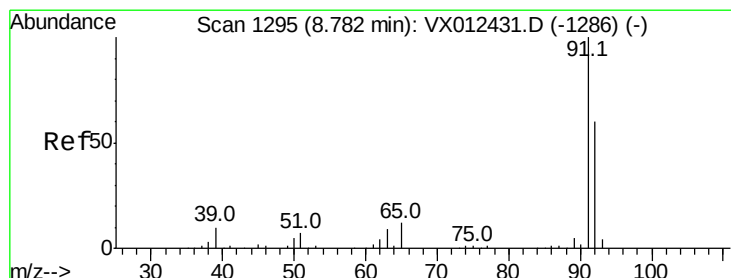
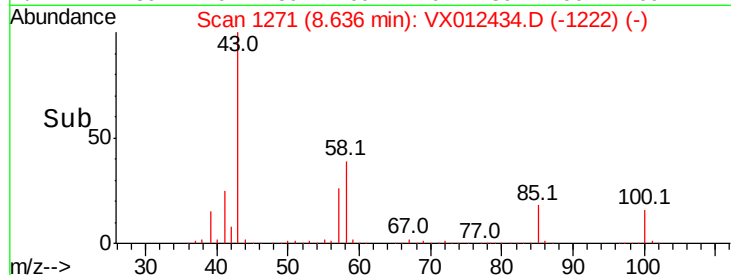
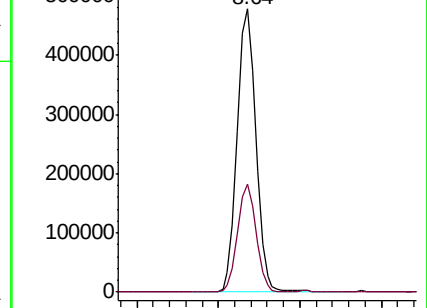
43 100

58 37.5 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.686 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012434.D

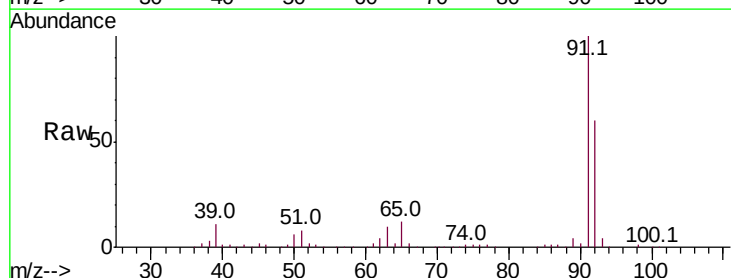
Acq: 17 Sep 2019 15:22

Tgt Ion: 92 Resp: 186133

Ion Ratio Lower Upper

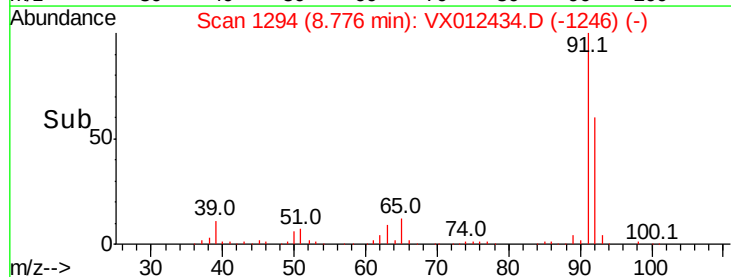
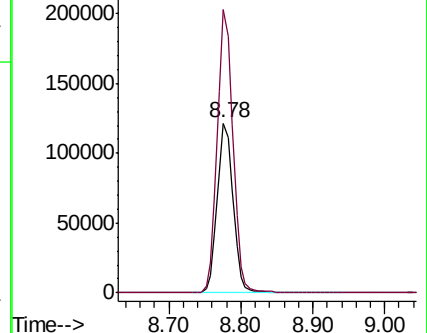
92 100

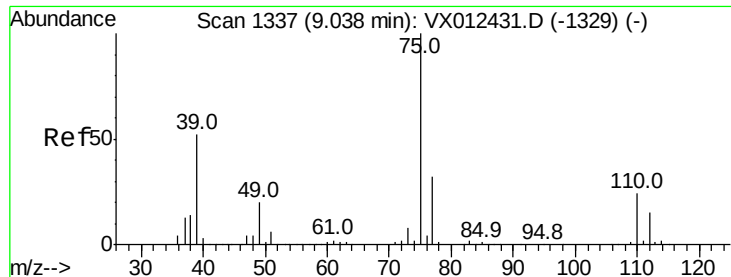
91 165.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

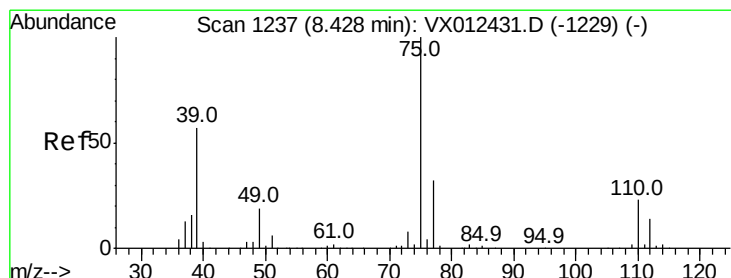
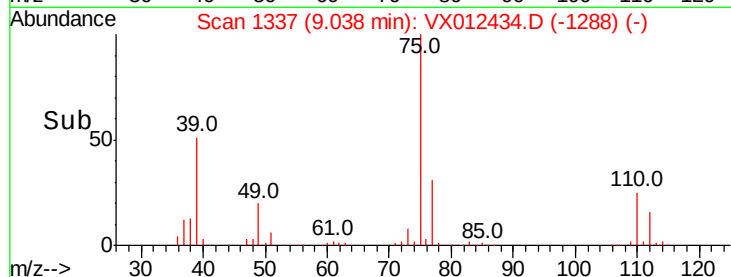
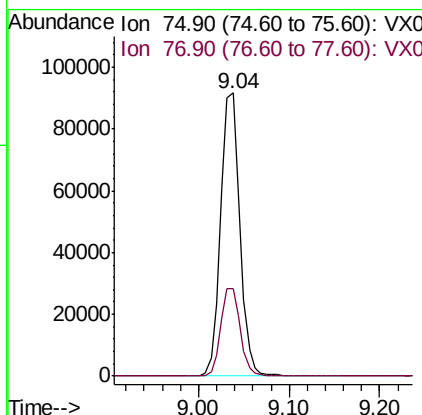
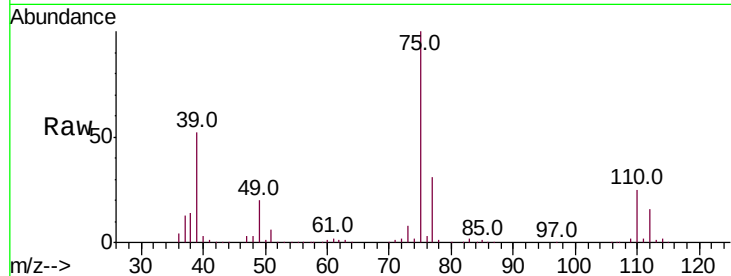




#53
 t-1,3-Dichloropropene
 Concen: 50.759 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

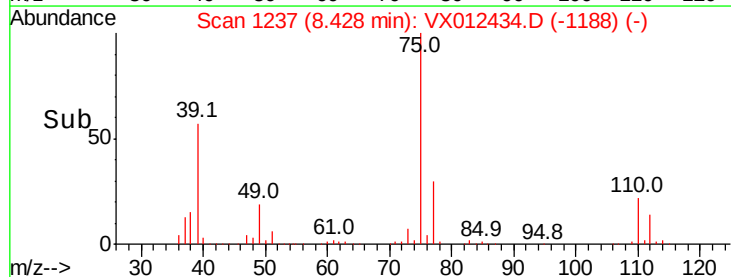
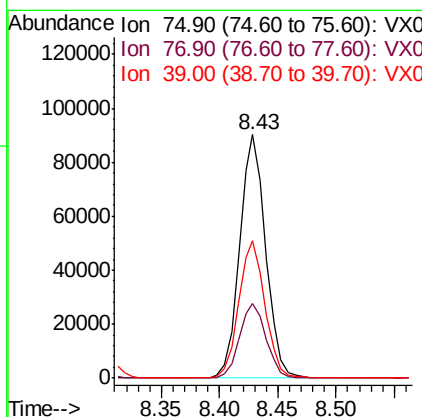
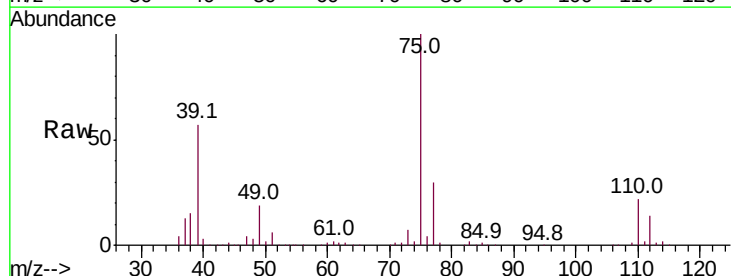
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

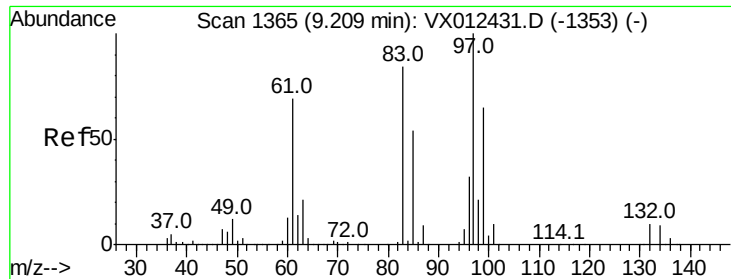
Tot Ion: 75 Resp: 135792
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.556 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion: 75 Resp: 140019
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.8 38.8
 39 56.4 45.5 68.3

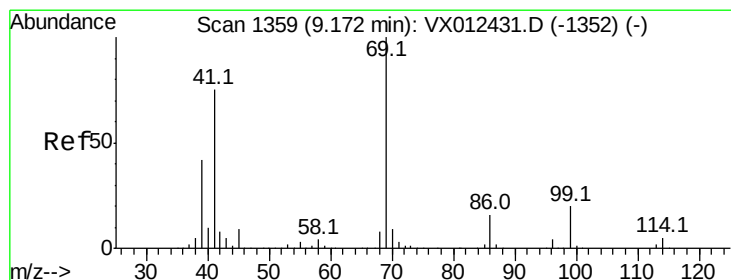
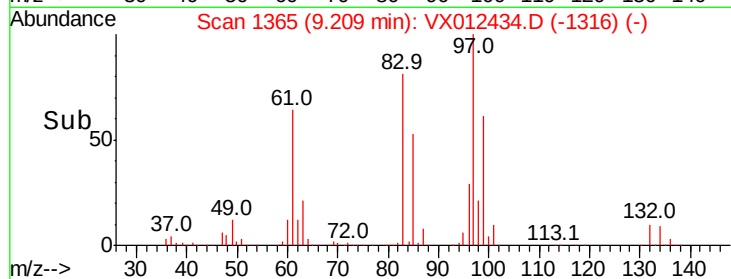
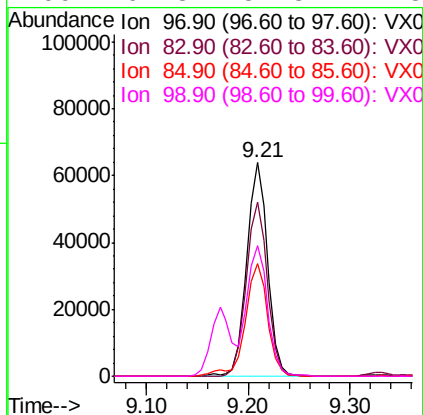
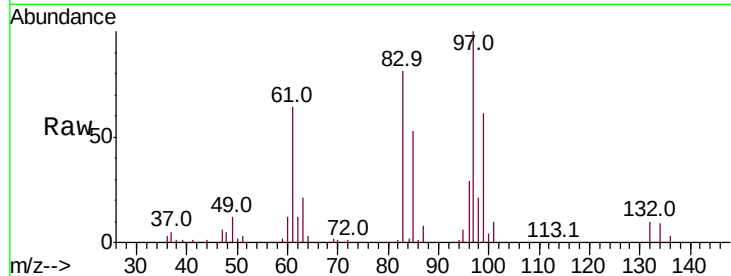




#55
 1,1,2-Trichloroethane
 Concen: 47.406 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

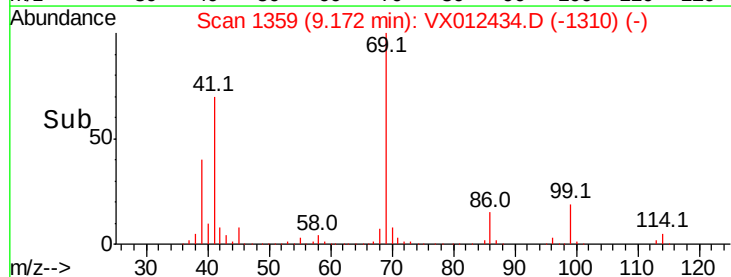
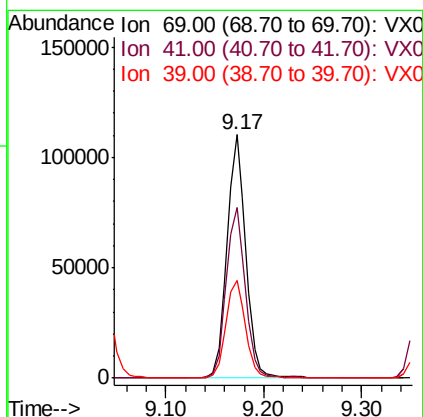
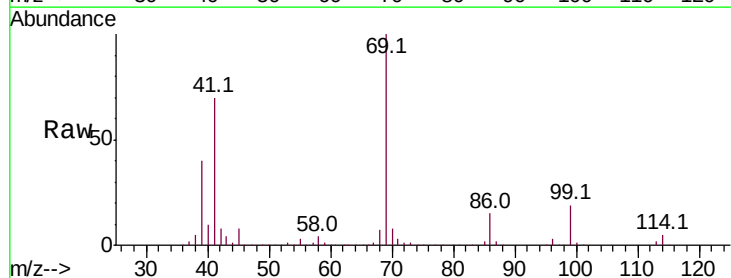
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

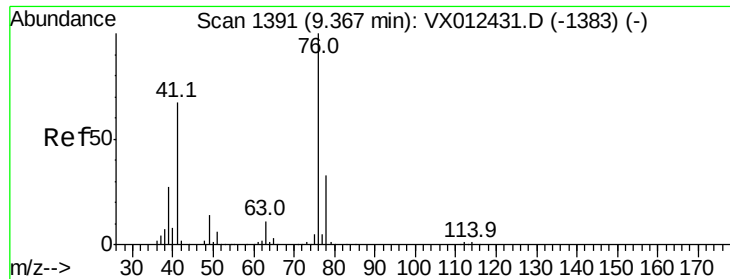
Tot Ion:	97	Resp:	91493
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.4	101.2
85	52.9	43.5	65.3
99	61.3	51.8	77.8



#56
 Ethyl methacrylate
 Concen: 48.627 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion:	69	Resp:	146734
Ion	Ratio	Lower	Upper
69	100		
41	71.3	58.4	87.6
39	41.6	33.4	50.0





#57

1,3-Dichloropropane

Concen: 47.986 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

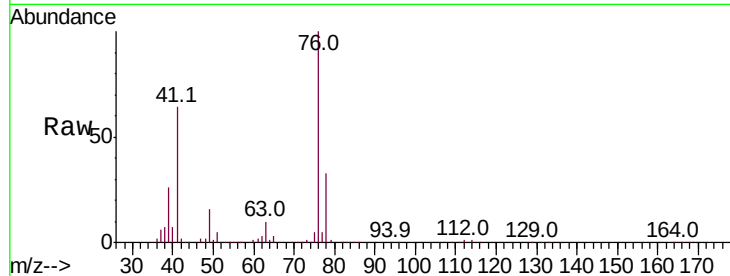
ICVVX091719

Tot Ion: 76 Resp: 147766

Ion Ratio Lower Upper

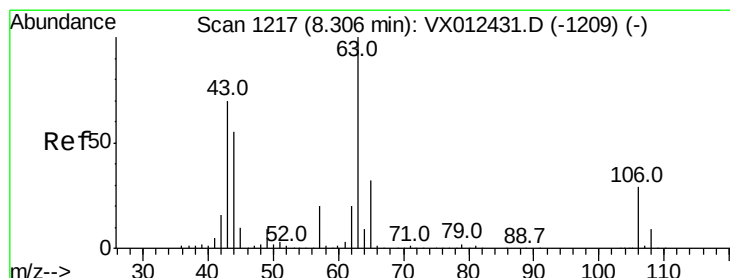
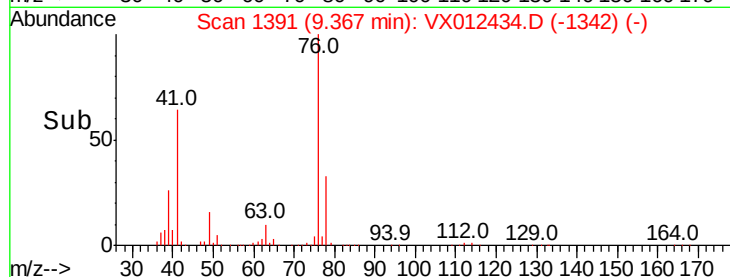
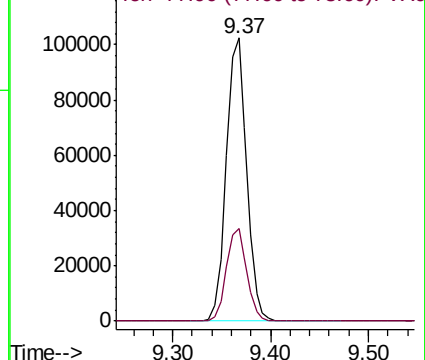
76 100

78 32.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 244.491 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012434.D

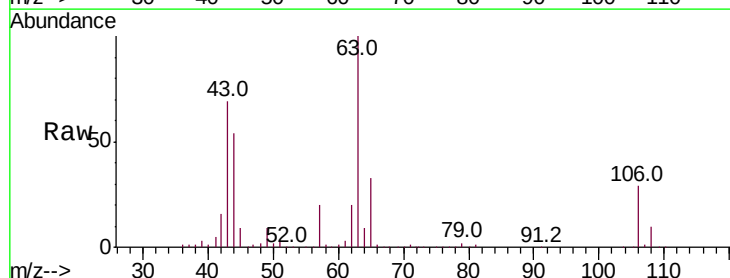
Acq: 17 Sep 2019 15:22

Tgt Ion: 63 Resp: 381895

Ion Ratio Lower Upper

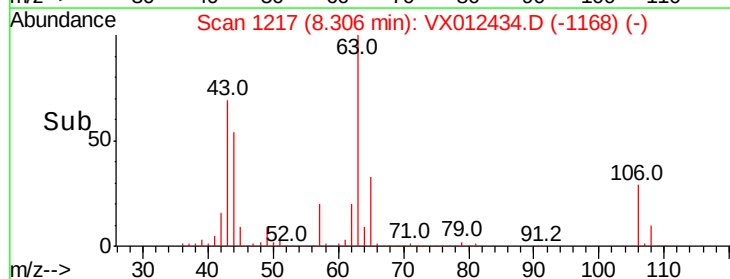
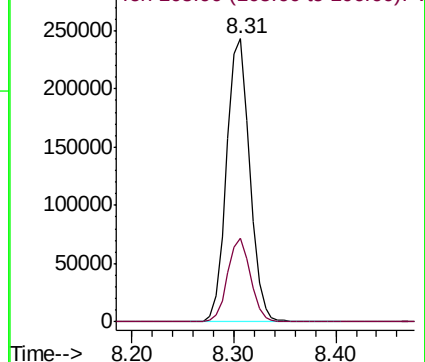
63 100

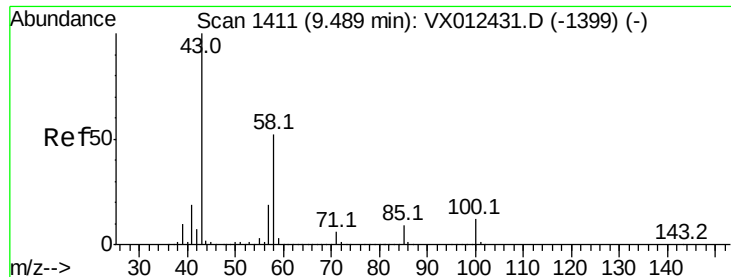
106 29.3 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

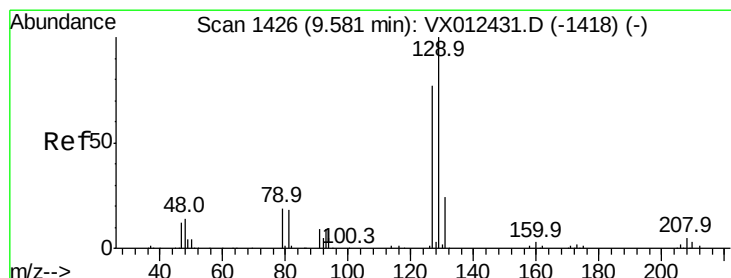
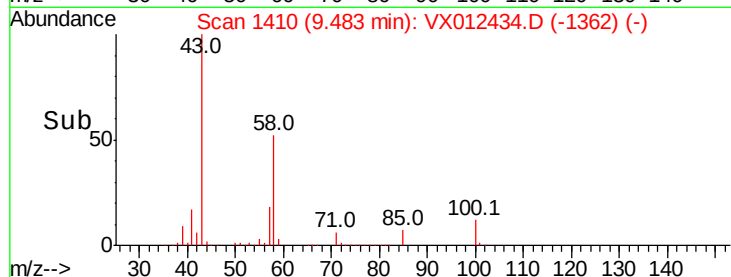
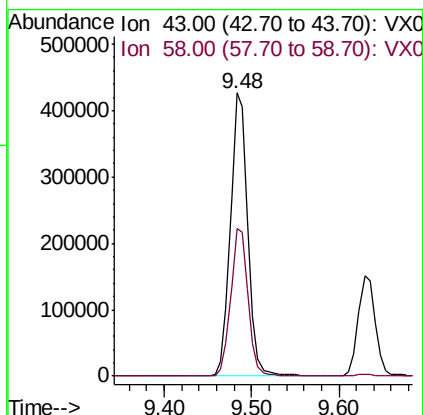
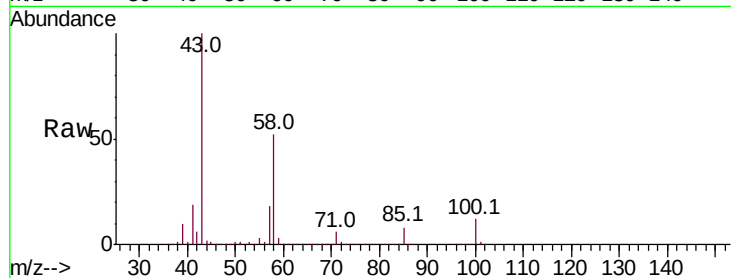




#59
2-Hexanone
Concen: 229.246 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

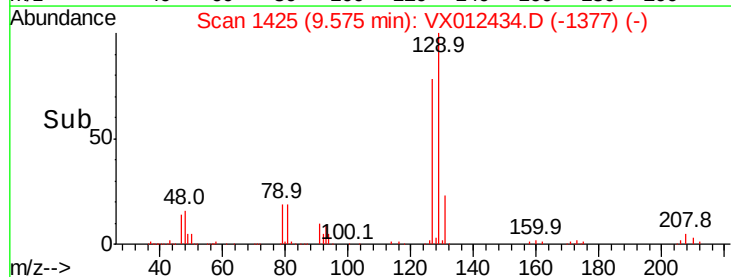
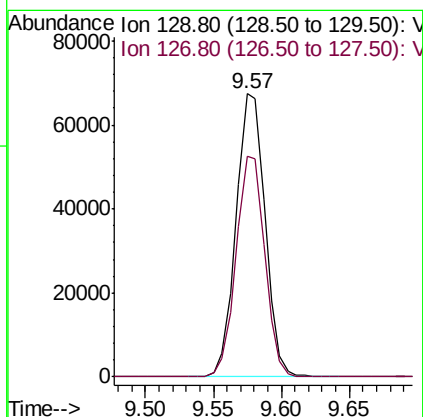
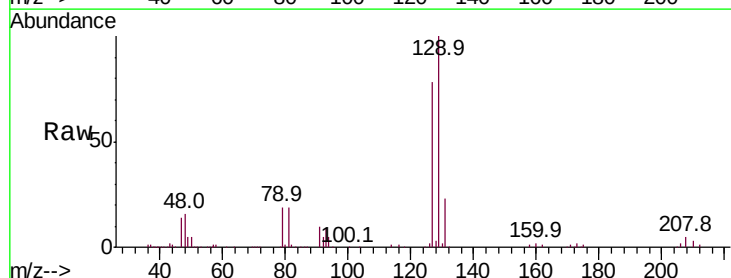
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

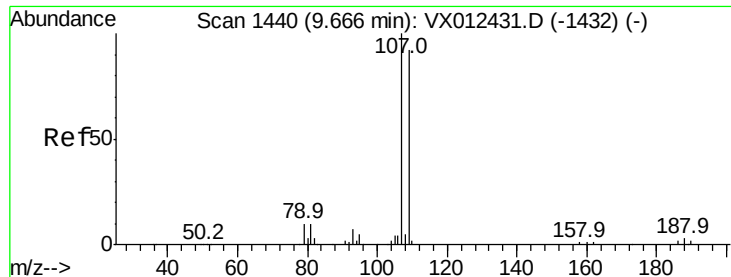
Tot Ion: 43 Resp: 590760
Ion Ratio Lower Upper
43 100
58 52.7 25.7 77.1



#60
Dibromochloromethane
Concen: 50.825 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion: 129 Resp: 99917
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.480 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

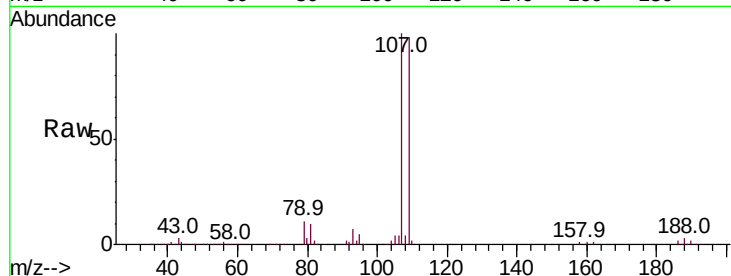
ICVVX091719

Tot Ion:107 Resp: 87217

Ion Ratio Lower Upper

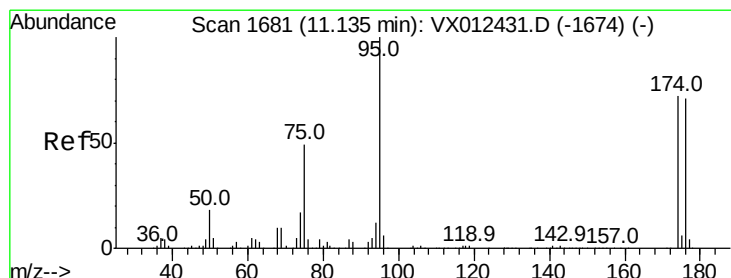
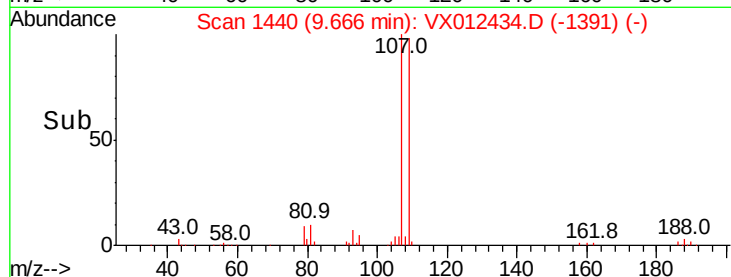
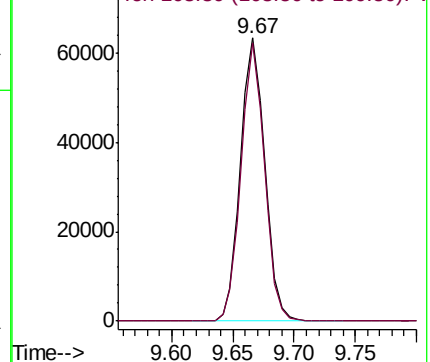
107 100

109 94.9 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.588 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

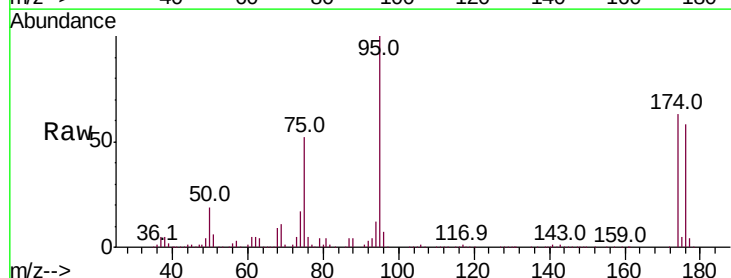
Tgt Ion: 95 Resp: 135960

Ion Ratio Lower Upper

95 100

174 68.8 0.0 140.0

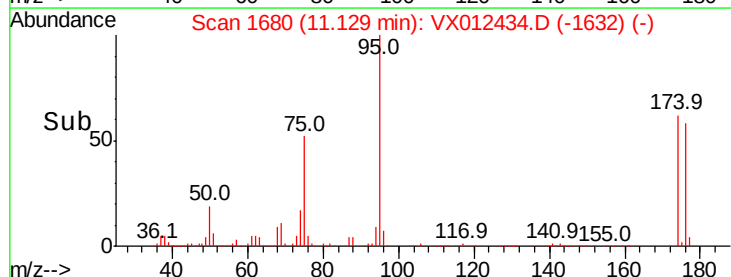
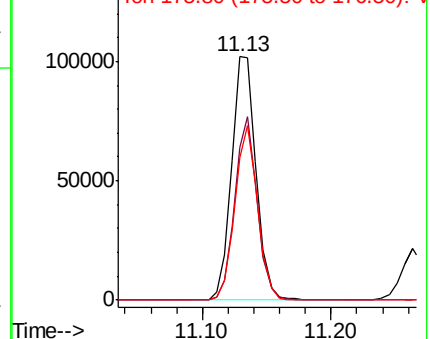
176 66.5 0.0 135.4

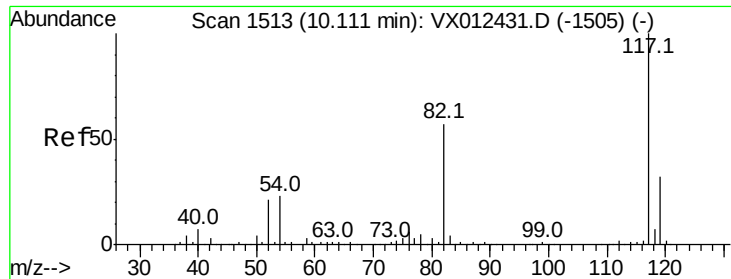


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

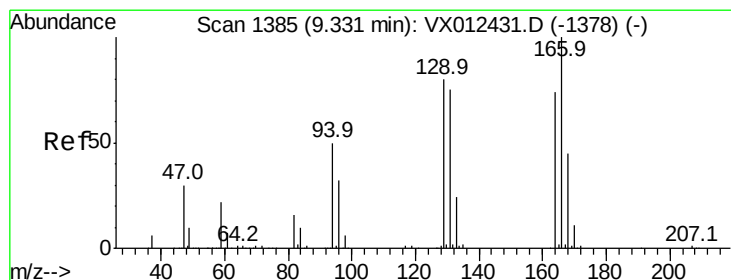
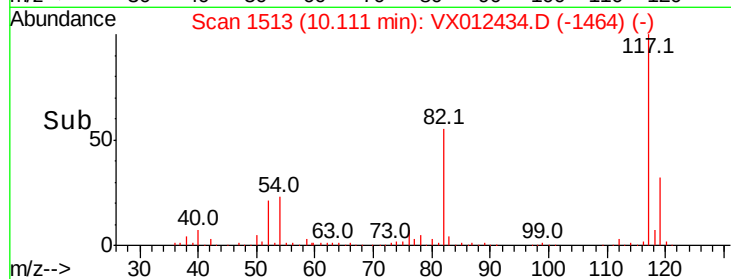
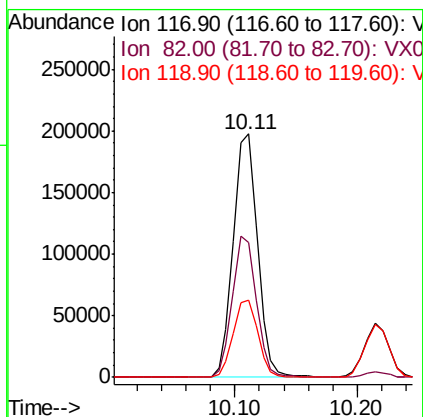
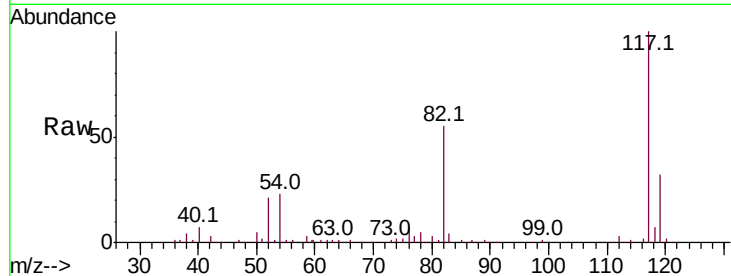




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

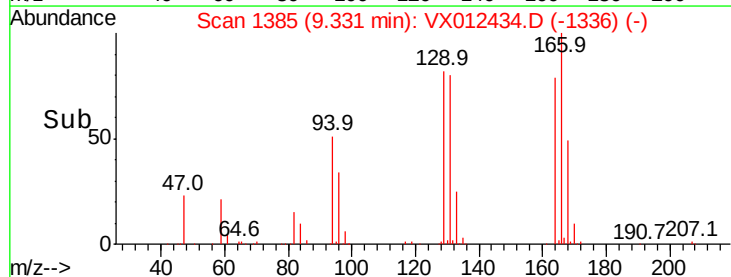
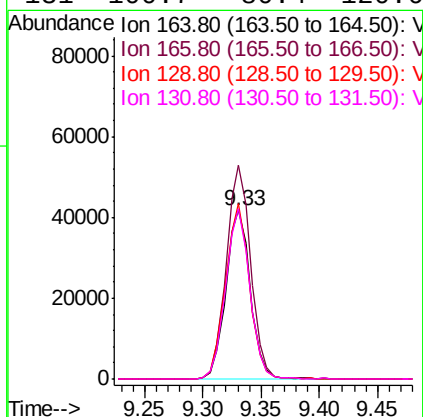
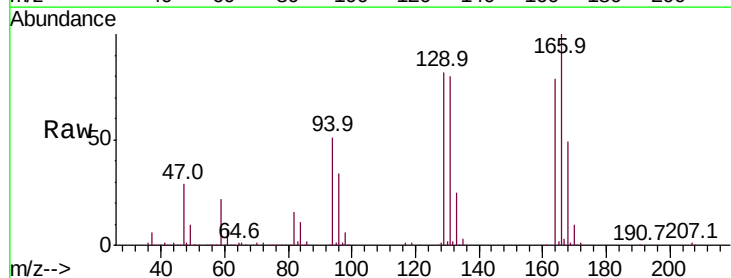
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

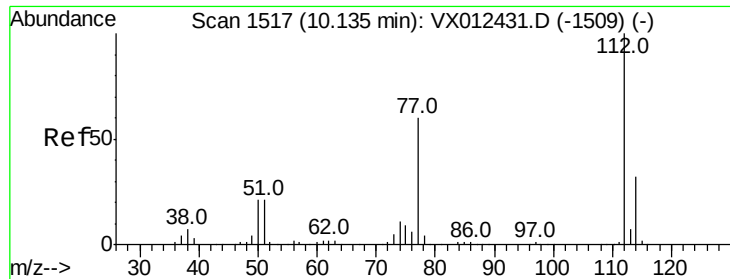
Tot Ion:117 Resp: 271509
Ion Ratio Lower Upper
117 100
82 55.4 45.9 68.9
119 31.7 25.3 37.9



#64
Tetrachloroethene
Concen: 48.565 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion:164 Resp: 60423
Ion Ratio Lower Upper
164 100
166 126.7 107.8 161.6
129 103.7 86.2 129.2
131 100.7 80.4 120.6

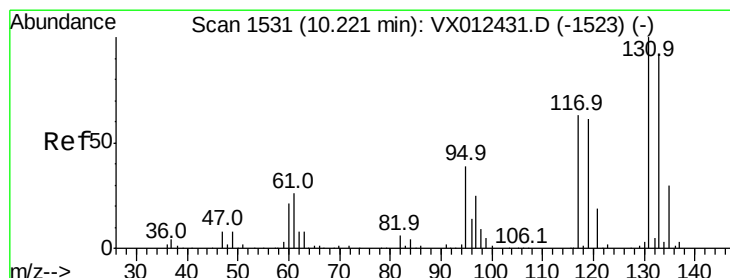
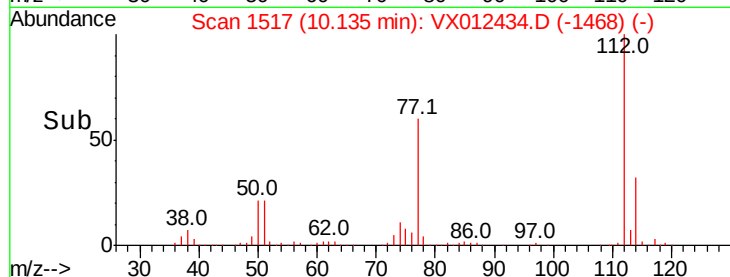
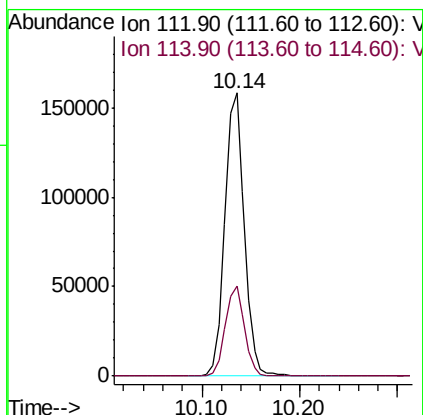
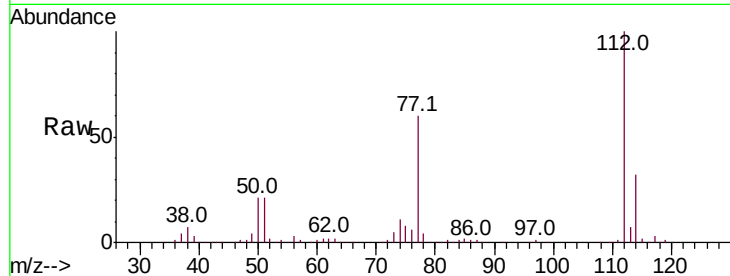




#65
Chlorobenzene
Concen: 48.642 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

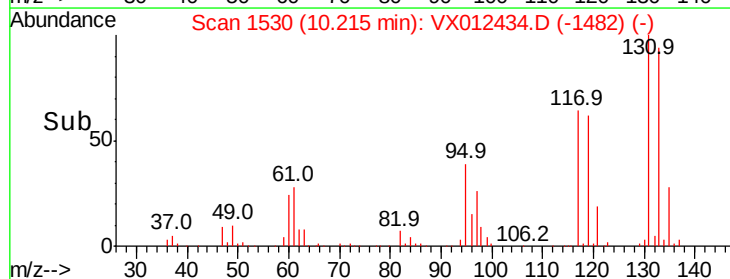
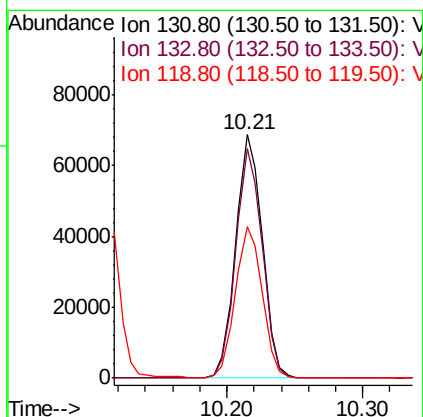
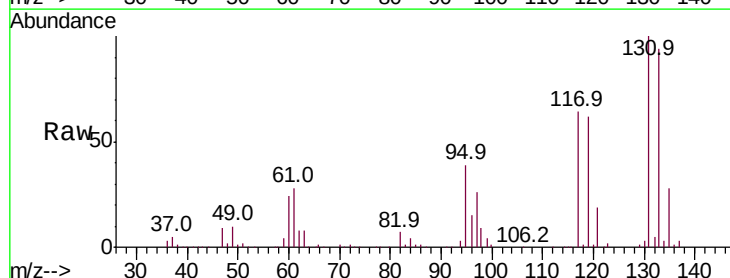
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

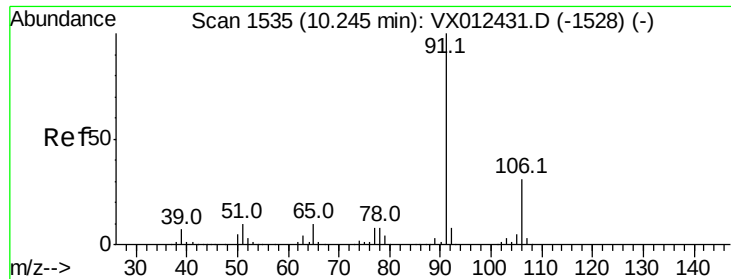
Tot Ion:112 Resp: 217977
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.435 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion:131 Resp: 93800
Ion Ratio Lower Upper
131 100
133 93.8 47.6 142.9
119 62.9 31.3 93.8





#67

Ethyl Benzene

Concen: 49.476 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

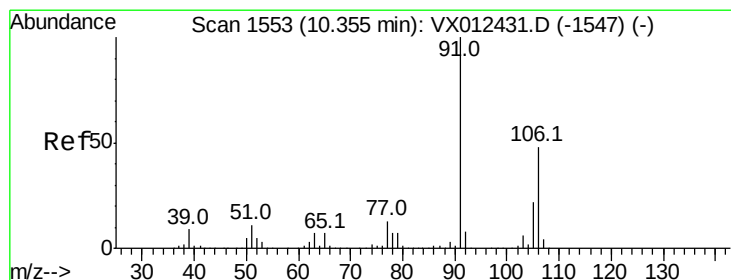
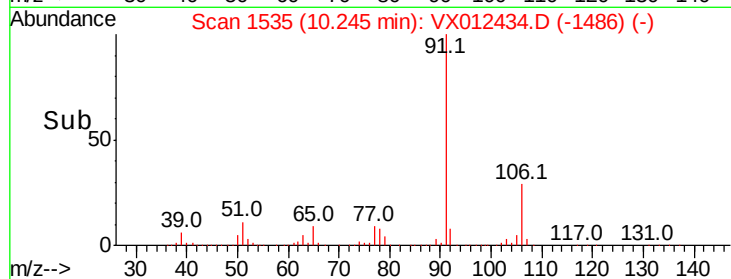
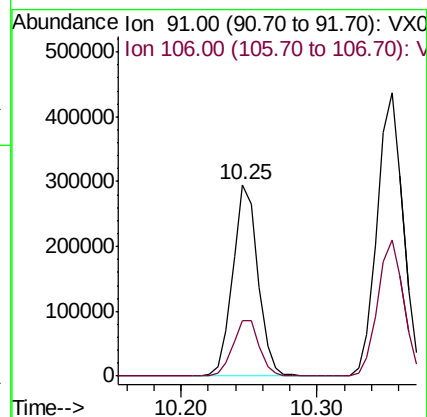
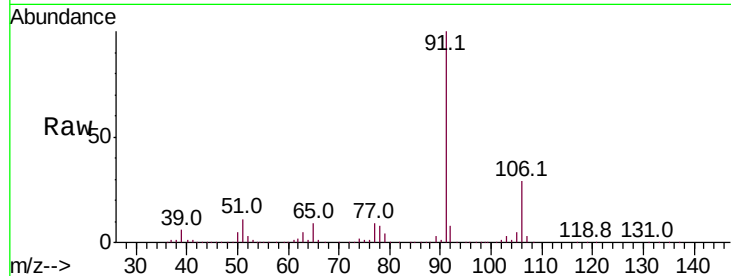
ICVVX091719

Tot Ion: 91 Resp: 380920

Ion Ratio Lower Upper

91 100

106 29.1 24.6 37.0



#68

m/p-Xylenes

Concen: 99.711 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012434.D

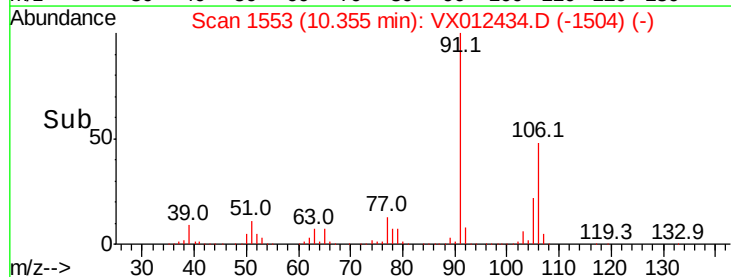
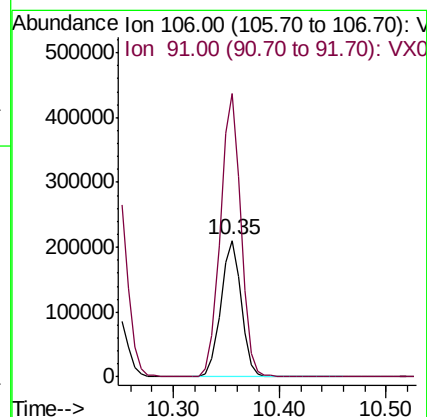
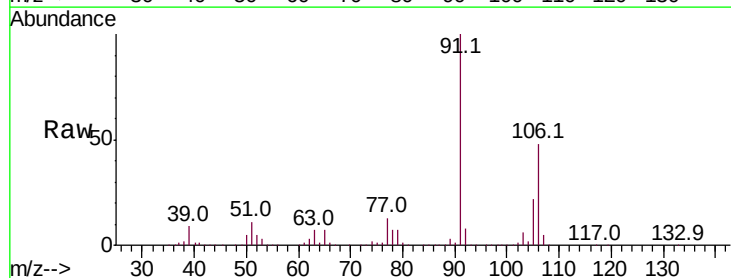
Acq: 17 Sep 2019 15:22

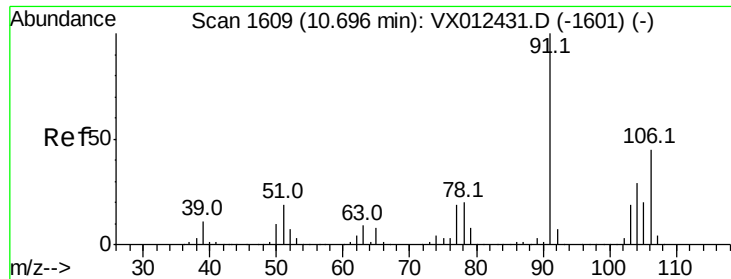
Tgt Ion: 106 Resp: 279320

Ion Ratio Lower Upper

106 100

91 208.0 166.6 250.0

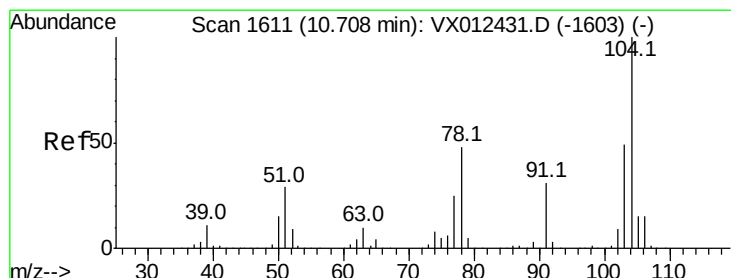
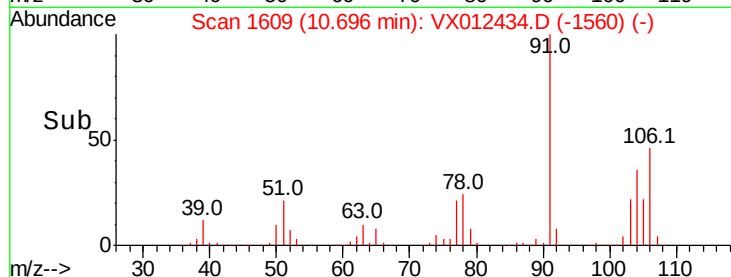
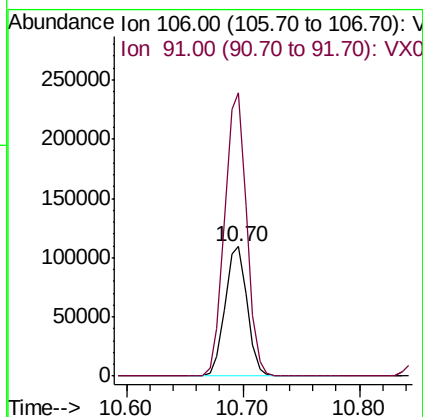
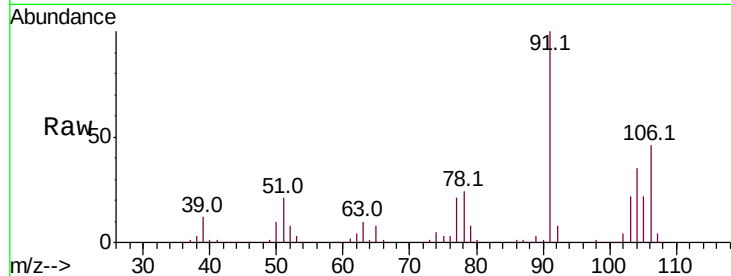




#69
o-Xylene
Concen: 49.927 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

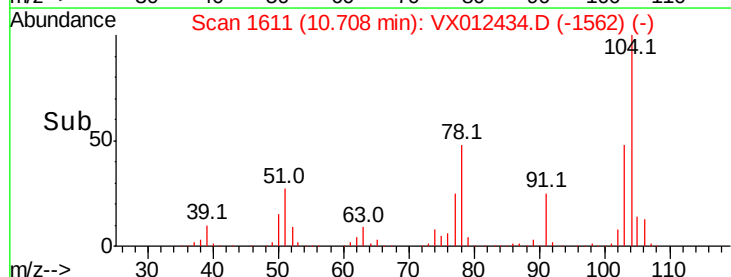
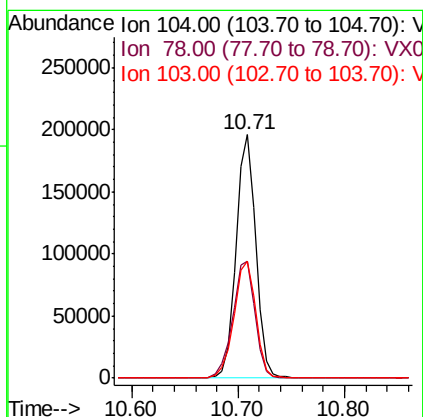
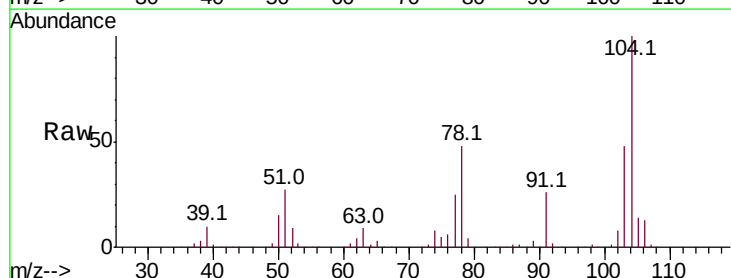
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

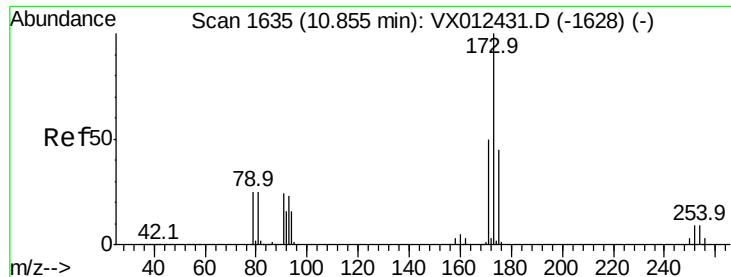
Tot Ion:106 Resp: 143835
Ion Ratio Lower Upper
106 100
91 217.9 109.4 328.2



#70
Styrene
Concen: 50.252 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion:104 Resp: 256143
Ion Ratio Lower Upper
104 100
78 54.2 43.4 65.2
103 53.4 43.3 64.9





#71

Bromoform

Concen: 43.217 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

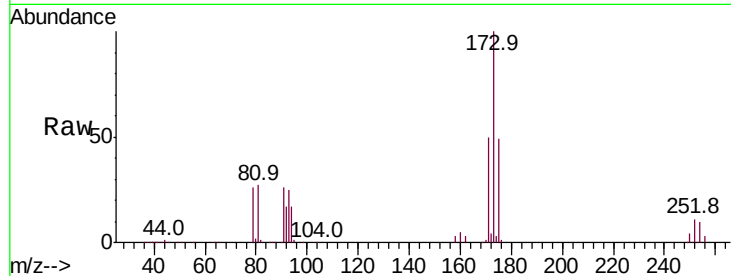
Tot Ion:173 Resp: 68543

Ion Ratio Lower Upper

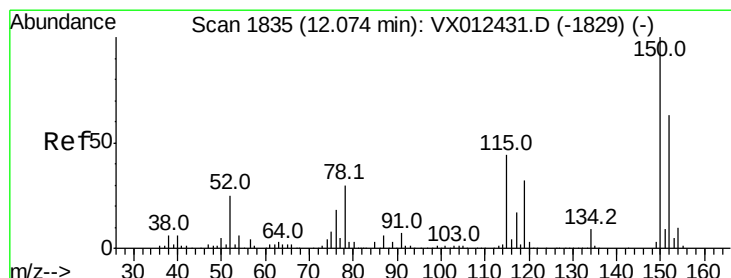
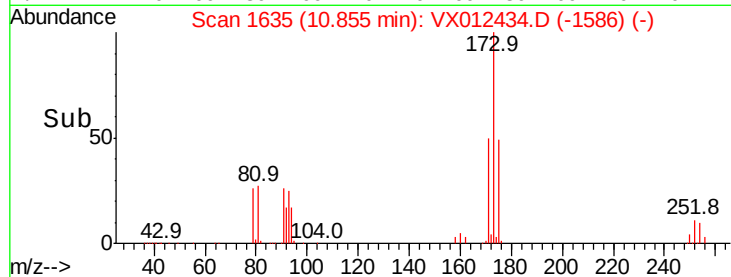
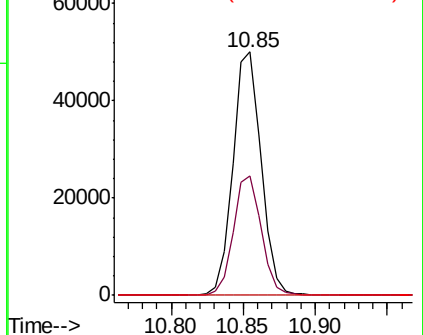
173 100

175 48.8 23.7 71.1

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

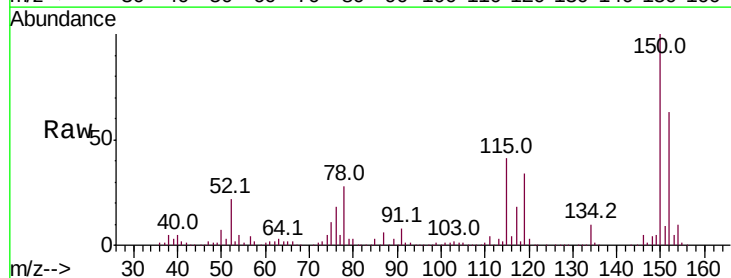
Tgt Ion:152 Resp: 135127

Ion Ratio Lower Upper

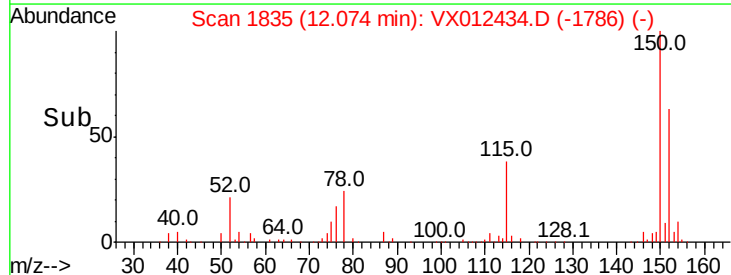
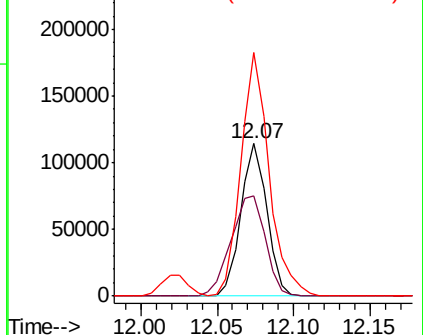
152 100

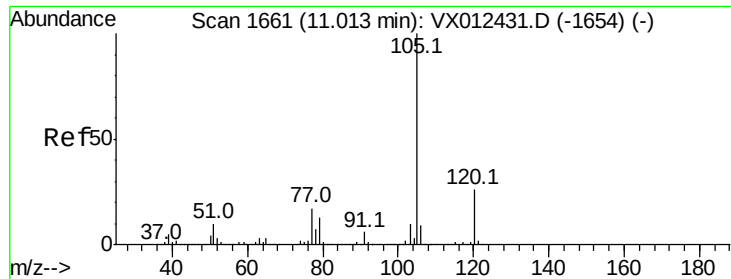
115 85.9 44.1 132.3

150 172.6 0.0 343.8



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

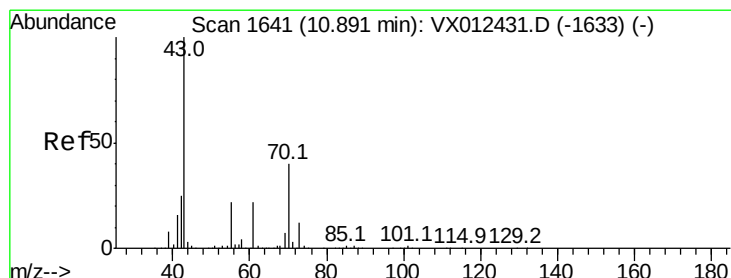
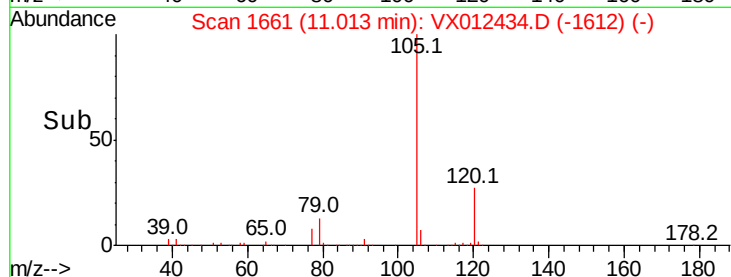
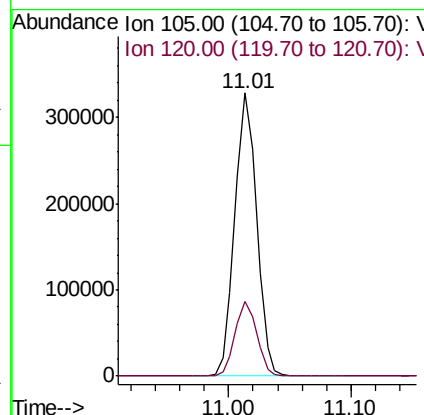
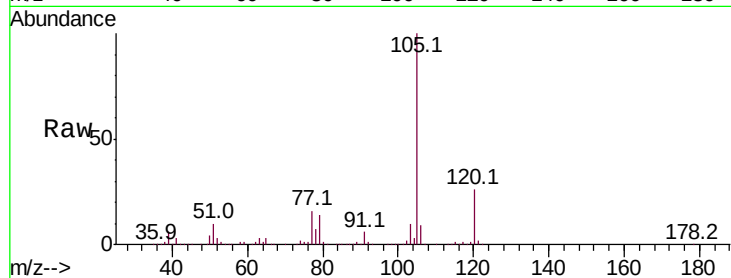




#73
Isopropylbenzene
Concen: 47.777 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

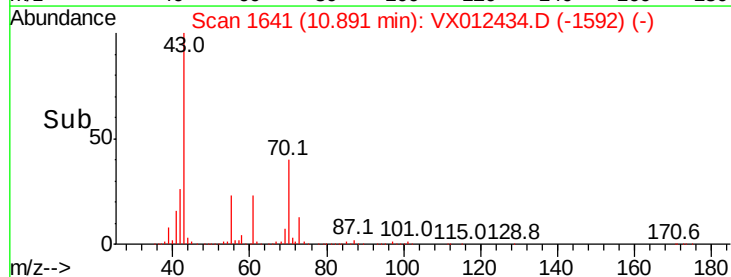
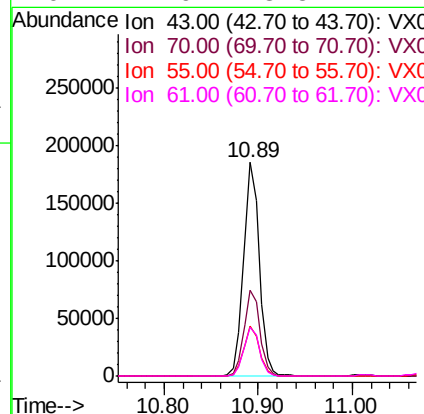
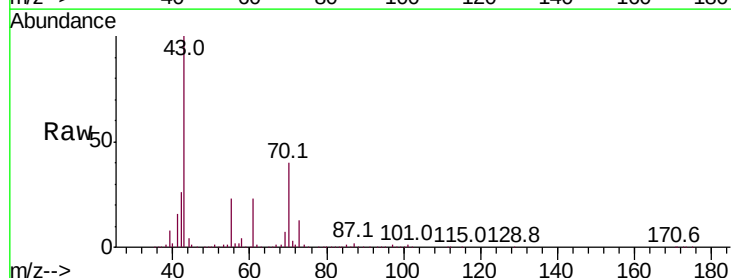
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091719

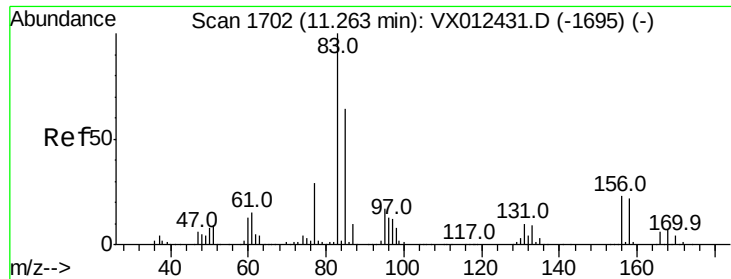
Tot Ion:105 Resp: 405073
Ion Ratio Lower Upper
105 100
120 26.1 12.9 38.7



#74
N-ethyl acetate
Concen: 47.376 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX012434.D
Acq: 17 Sep 2019 15:22

Tgt Ion: 43 Resp: 216253
Ion Ratio Lower Upper
43 100
70 40.6 32.4 48.6
55 23.3 18.2 27.4
61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.500 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

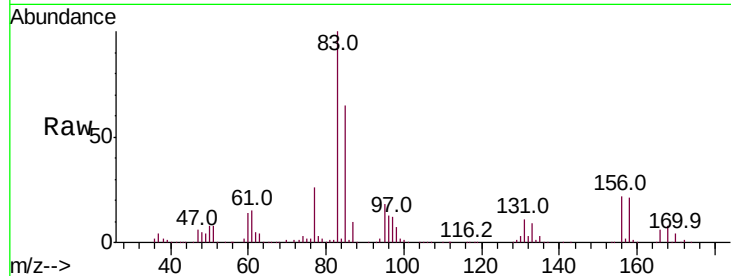
Tot Ion: 83 Resp: 151326

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

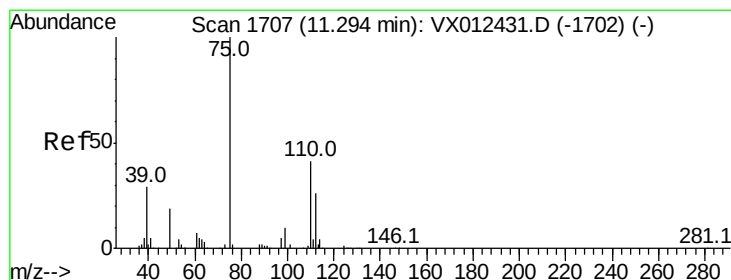
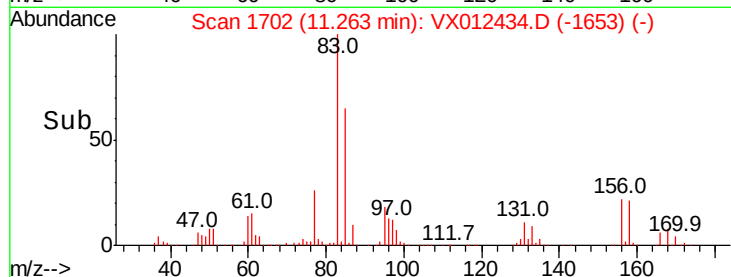
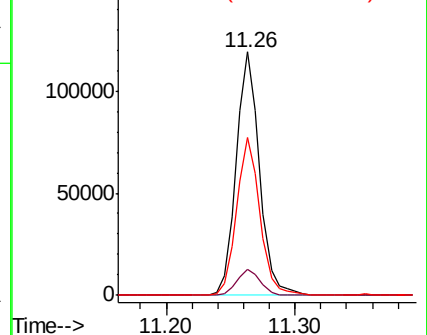
85 64.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 57.800 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012434.D

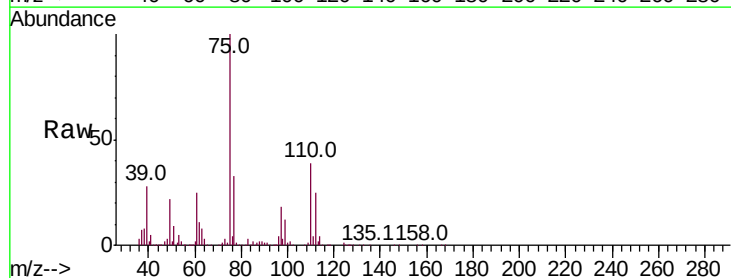
Acq: 17 Sep 2019 15:22

Tgt Ion: 75 Resp: 179409

Ion Ratio Lower Upper

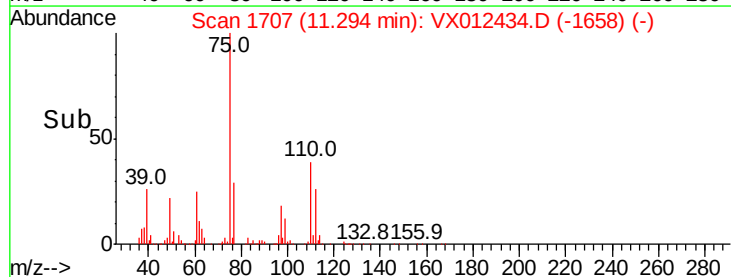
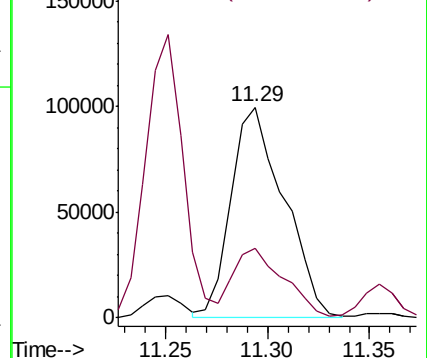
75 100

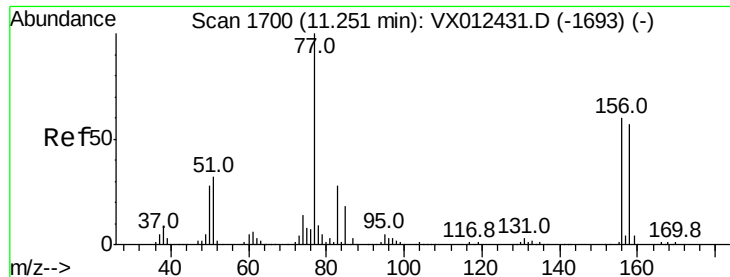
77 31.5 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.628 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

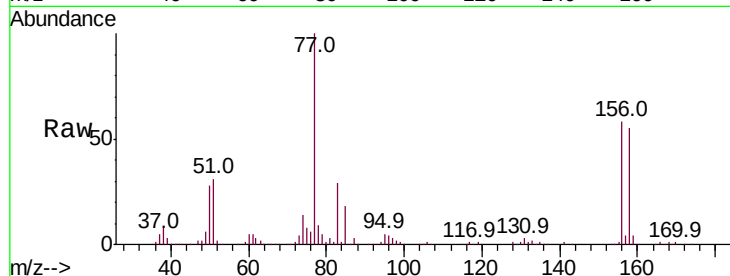
Tot Ion:156 Resp: 98481

Ion Ratio Lower Upper

156 100

77 174.7 87.3 261.8

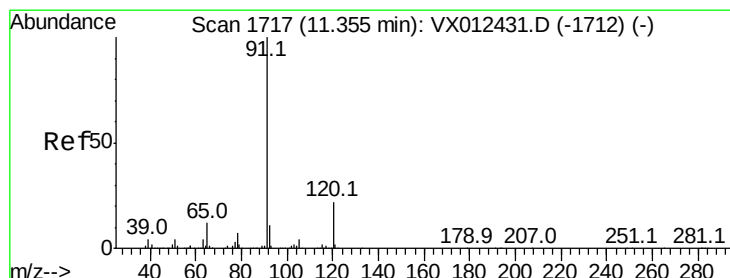
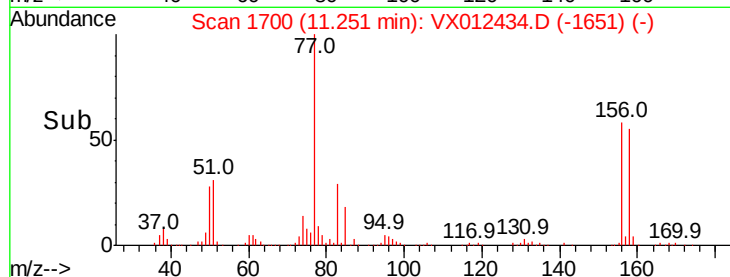
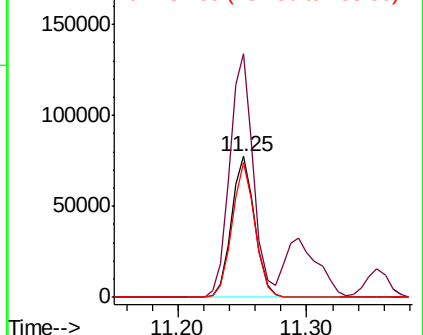
158 93.3 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.886 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012434.D

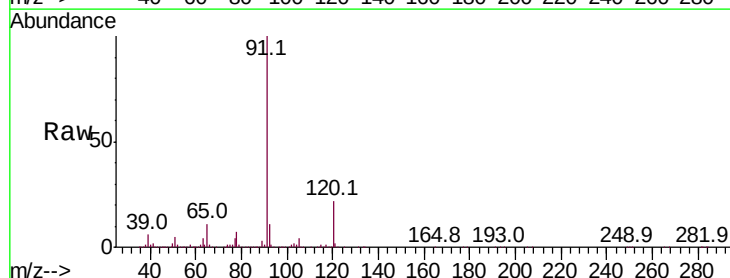
Acq: 17 Sep 2019 15:22

Tgt Ion: 91 Resp: 471397

Ion Ratio Lower Upper

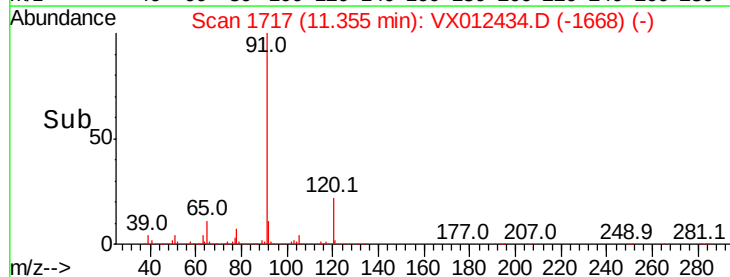
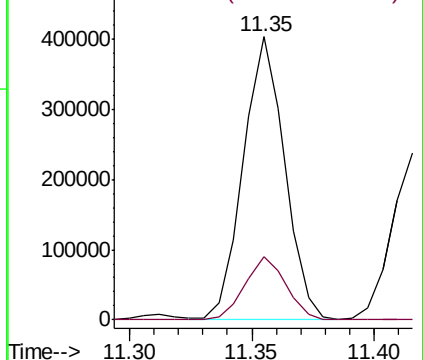
91 100

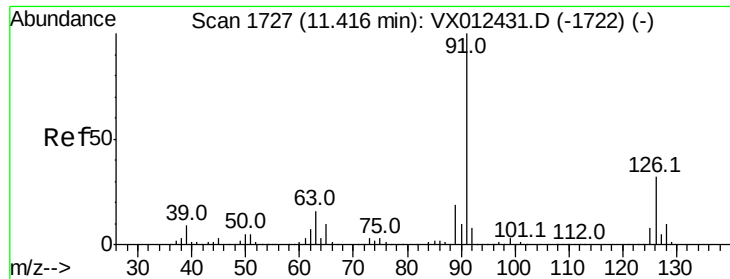
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.260 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

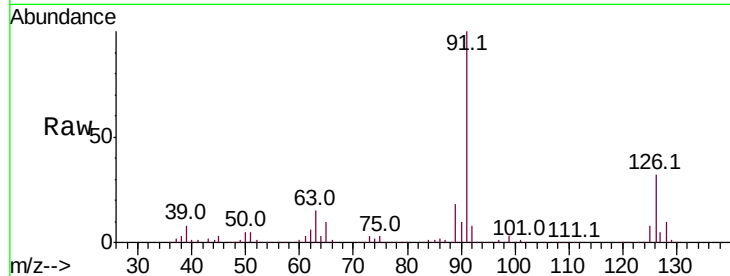
ICVVX091719

Tot Ion: 91 Resp: 290528

Ion Ratio Lower Upper

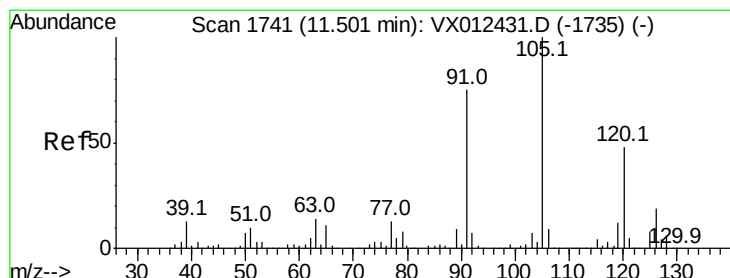
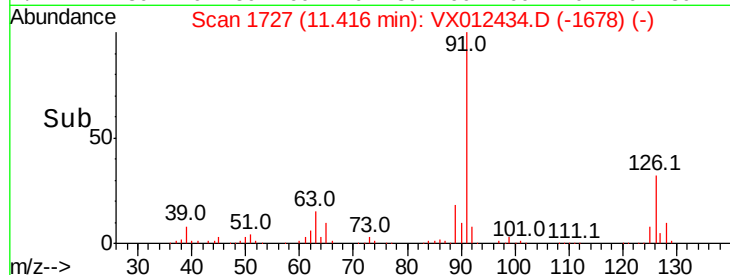
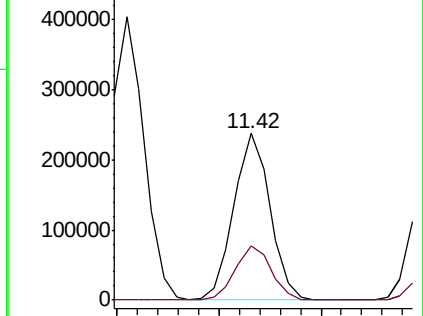
91 100

126 32.5 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.247 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012434.D

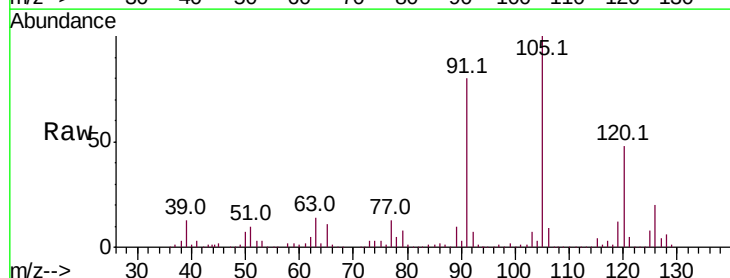
Acq: 17 Sep 2019 15:22

Tgt Ion:105 Resp: 356094

Ion Ratio Lower Upper

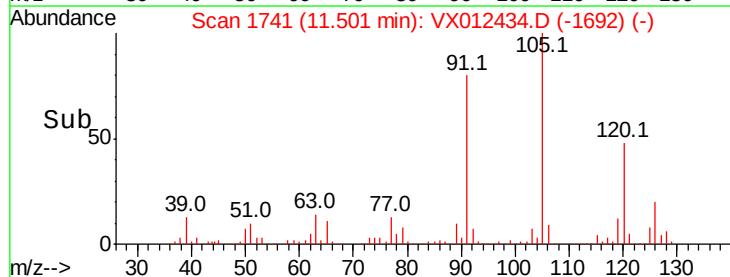
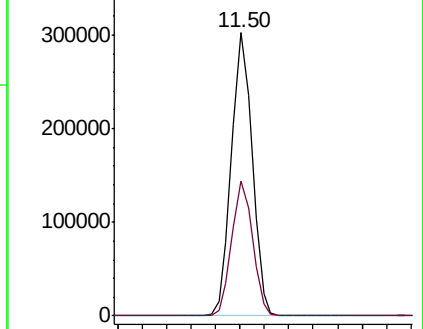
105 100

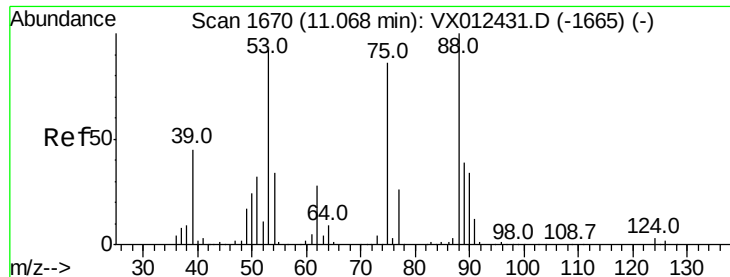
120 47.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.701 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

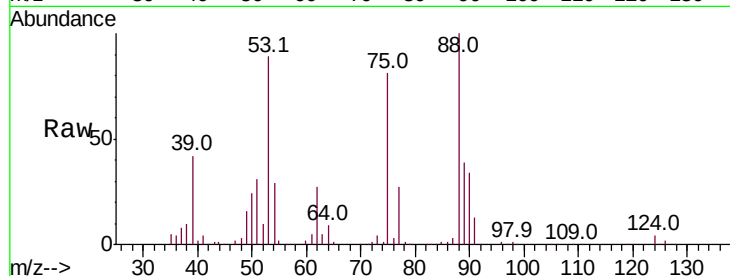
Tot Ion: 75 Resp: 50145

Ion Ratio Lower Upper

75 100

53 105.4 83.6 125.4

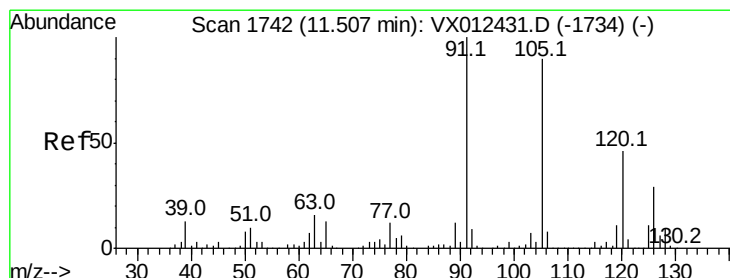
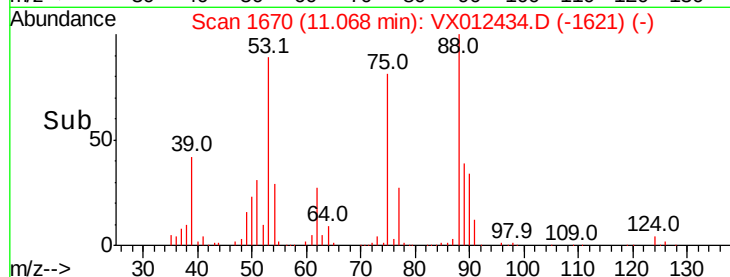
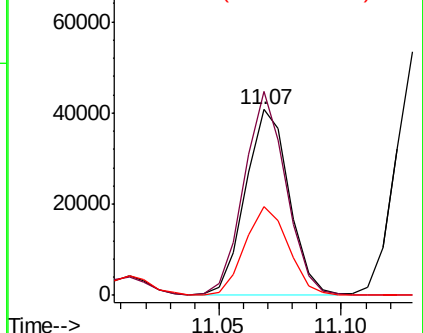
89 48.2 36.3 54.5



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: 48.866 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012434.D

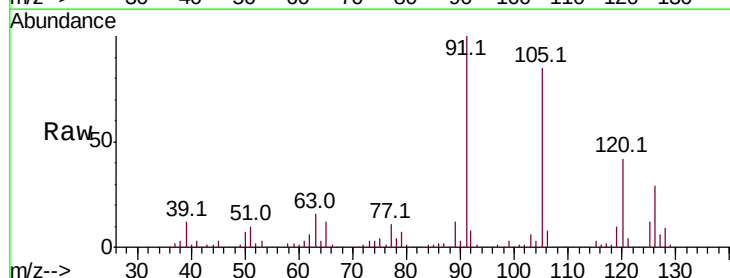
Acq: 17 Sep 2019 15:22

Tgt Ion: 91 Resp: 344773

Ion Ratio Lower Upper

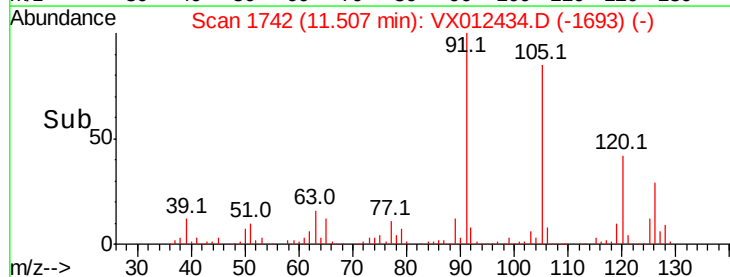
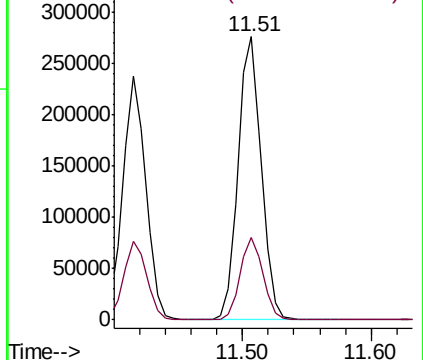
91 100

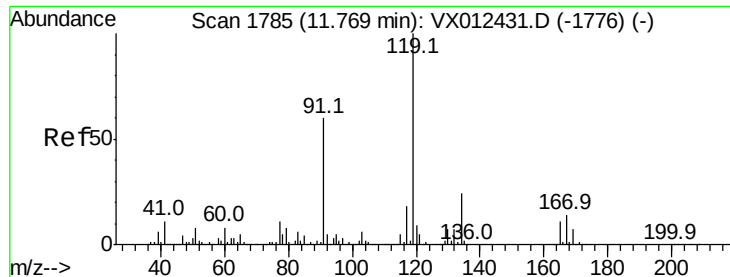
126 28.6 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.484 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

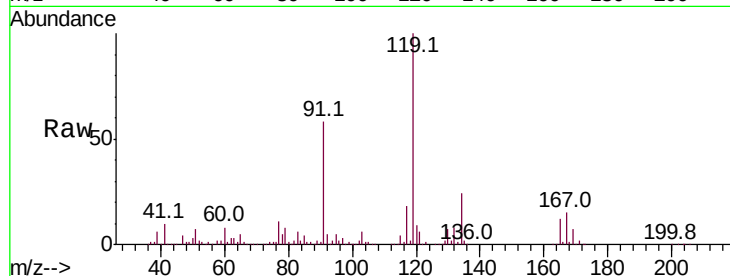
Tot Ion:119 Resp: 375659

Ion Ratio Lower Upper

119 100

91 59.1 30.0 90.0

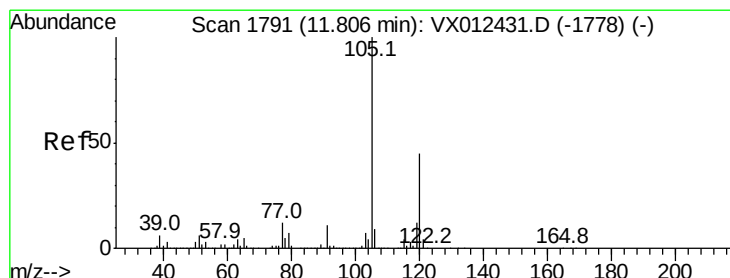
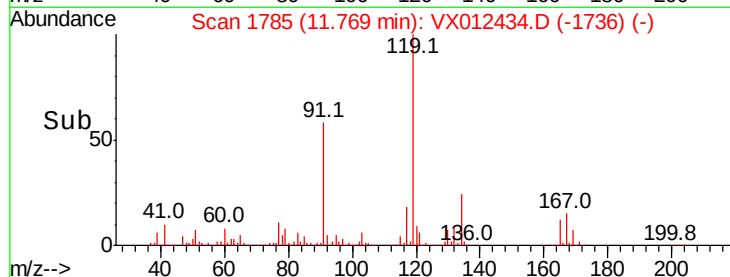
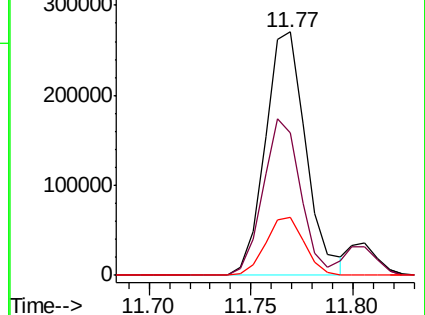
134 22.7 11.3 33.9



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: 49.346 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012434.D

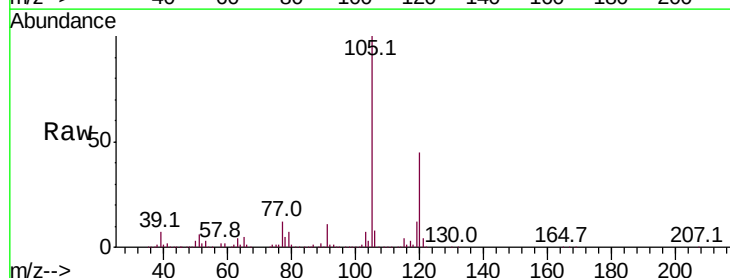
Acq: 17 Sep 2019 15:22

Tgt Ion:105 Resp: 366358

Ion Ratio Lower Upper

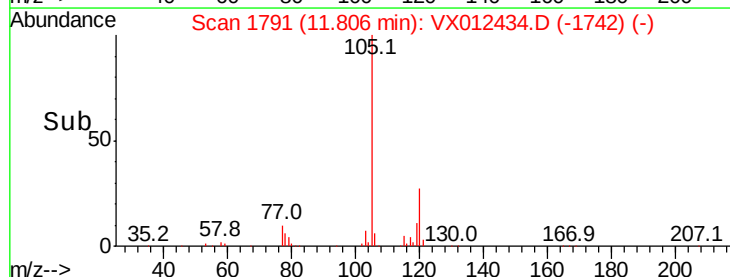
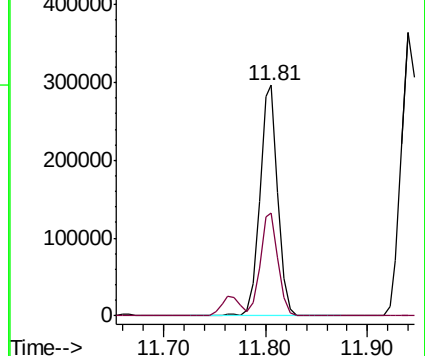
105 100

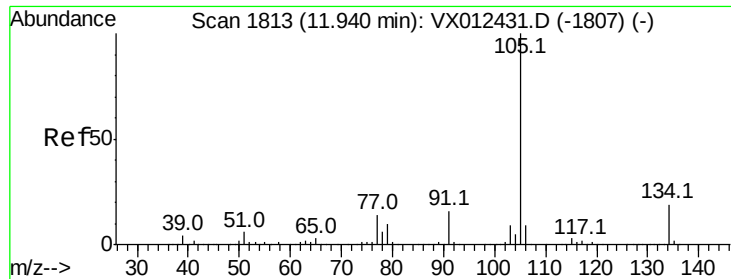
120 44.2 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

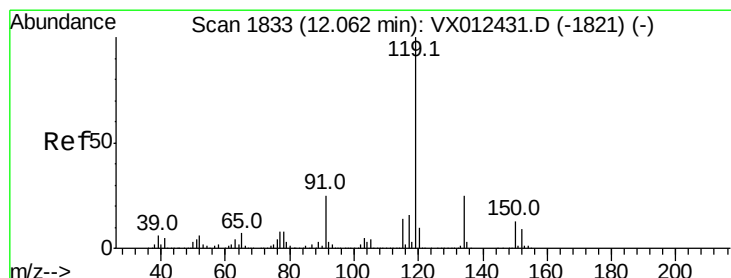
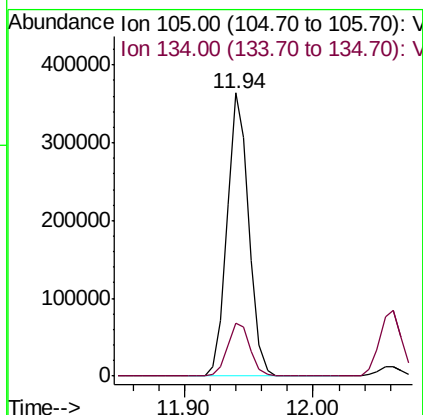
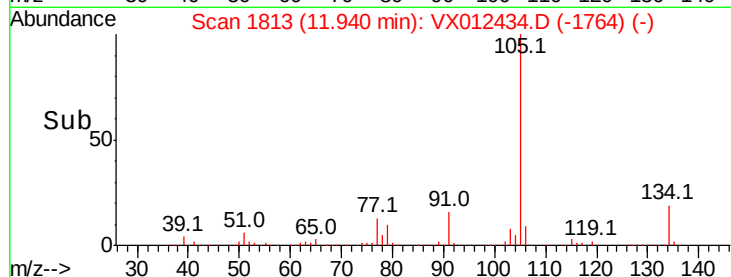
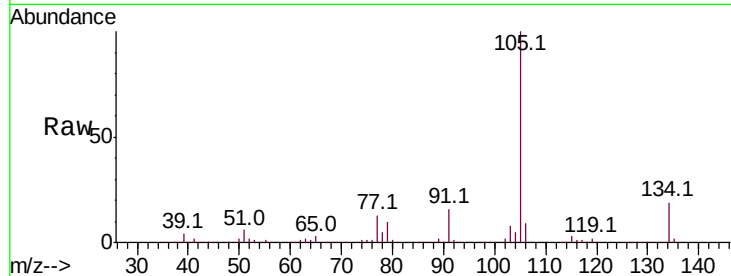




#85
 sec-Butylbenzene
 Concen: 50.411 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

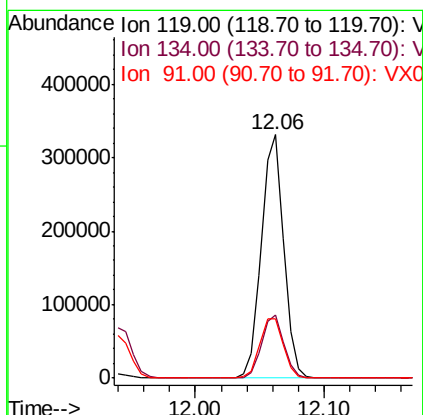
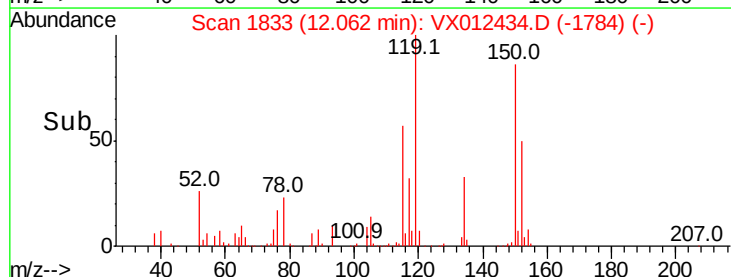
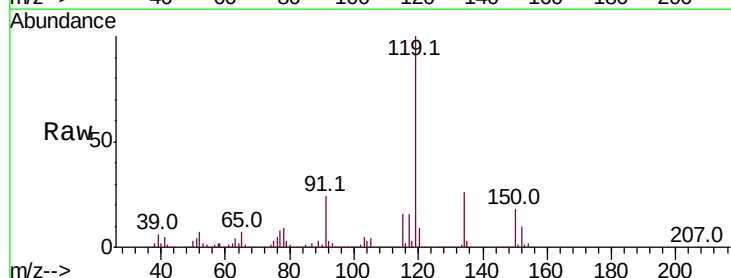
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

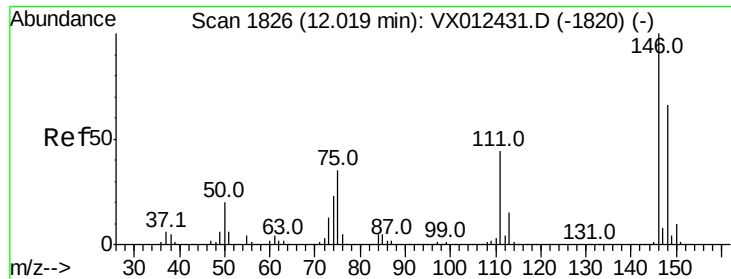
Tot Ion:105 Resp: 430396
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 50.343 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion:119 Resp: 394679
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.7 38.1
 91 25.9 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 48.975 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

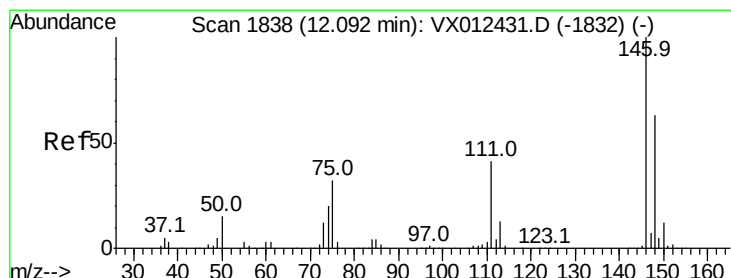
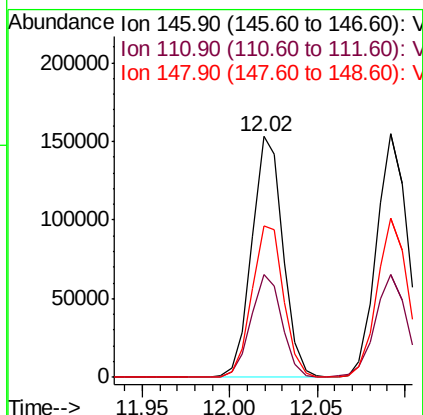
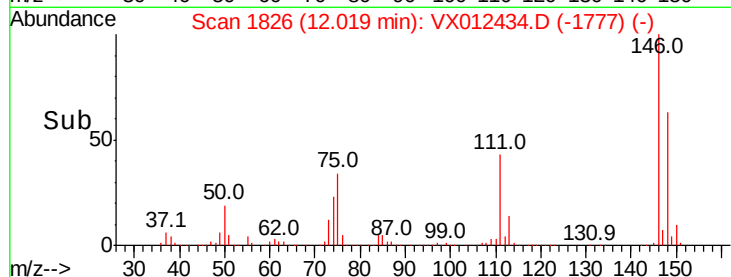
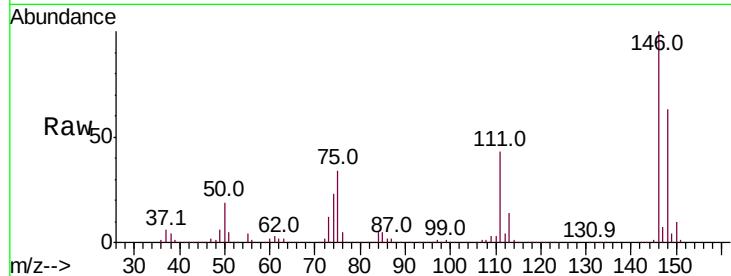
Tot Ion:146 Resp: 190493

Ion Ratio Lower Upper

146 100

111 42.8 21.3 64.0

148 64.2 32.4 97.2



#88

1,4-Dichlorobenzene

Concen: 47.832 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

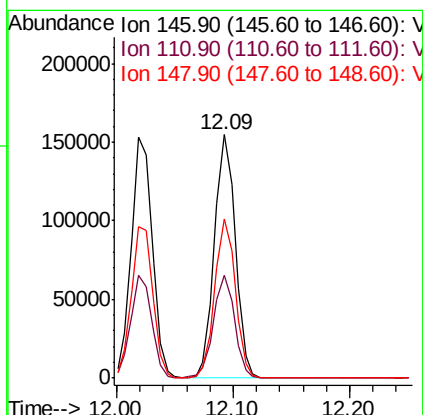
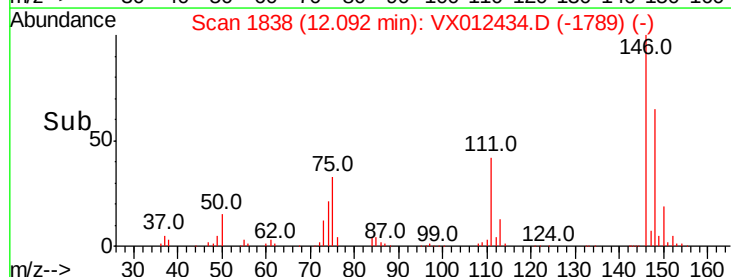
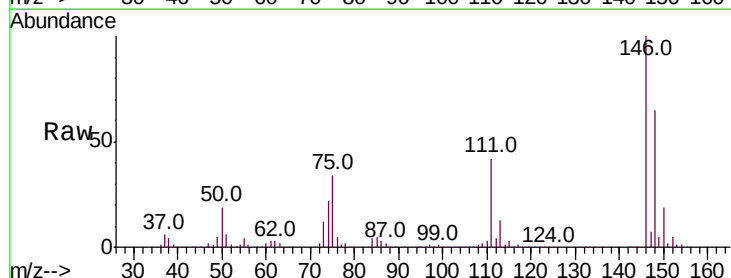
Tgt Ion:146 Resp: 191108

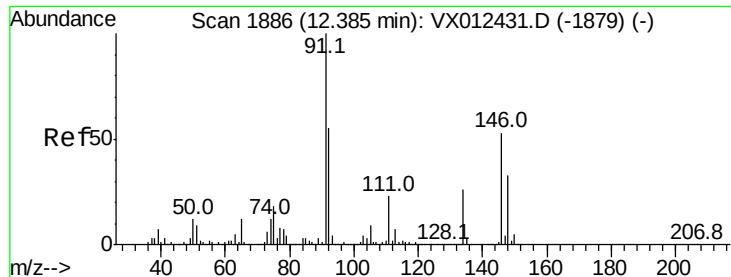
Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.3

148 64.7 32.1 96.5





#89

n-Butylbenzene

Concen: 50.647 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

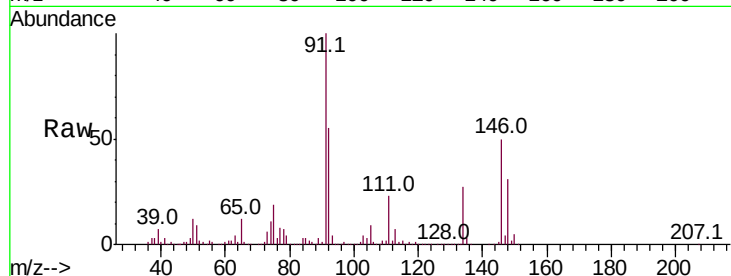
Tot Ion: 91 Resp: 354277

Ion Ratio Lower Upper

91 100

92 55.1 27.7 83.0

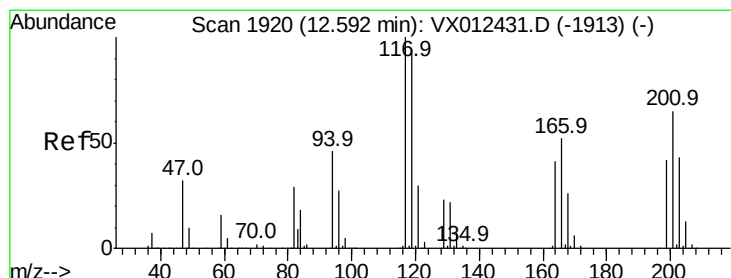
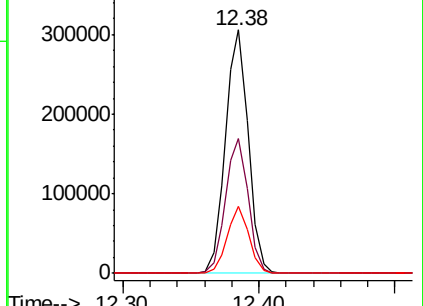
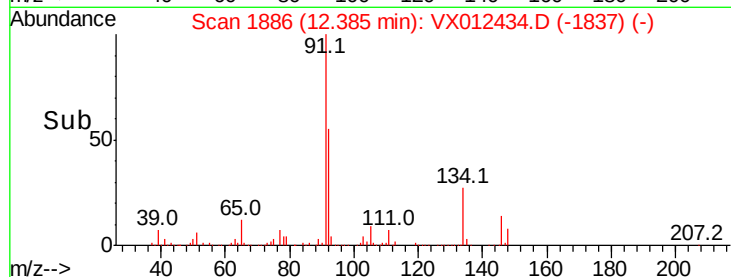
134 26.2 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.788 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012434.D

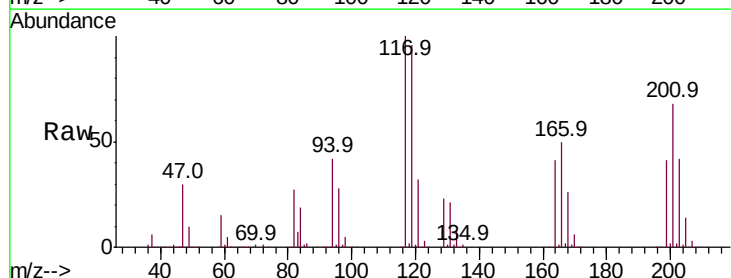
Acq: 17 Sep 2019 15:22

Tgt Ion: 117 Resp: 73008

Ion Ratio Lower Upper

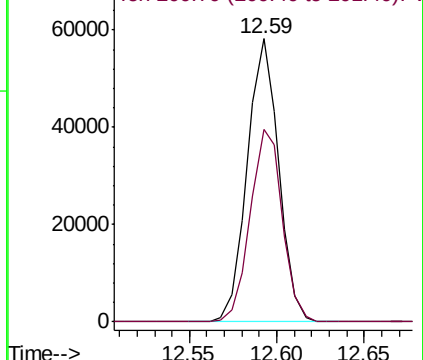
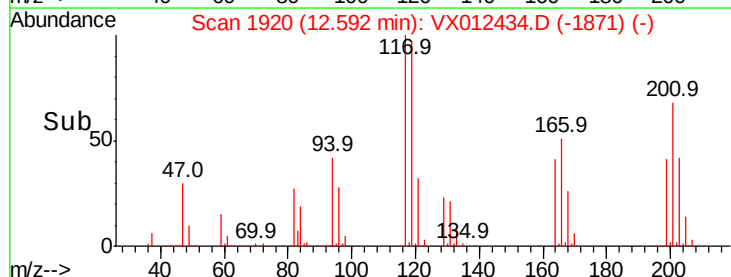
117 100

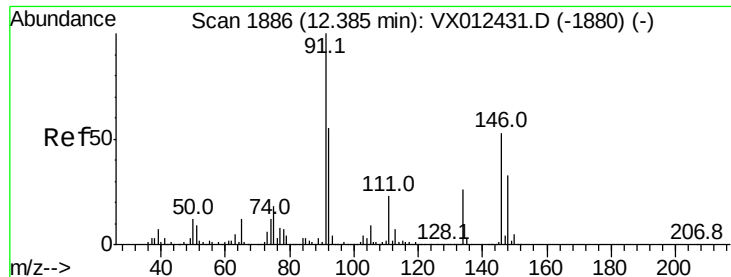
201 69.6 33.3 99.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 47.689 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

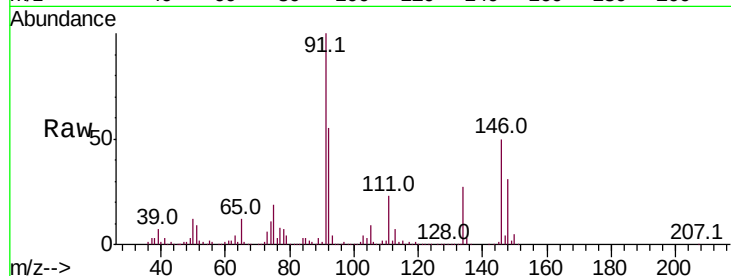
Tot Ion:146 Resp: 193870

Ion Ratio Lower Upper

146 100

111 44.7 22.1 66.1

148 63.7 31.3 93.9

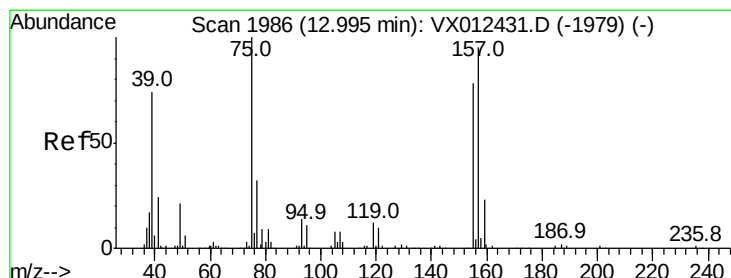
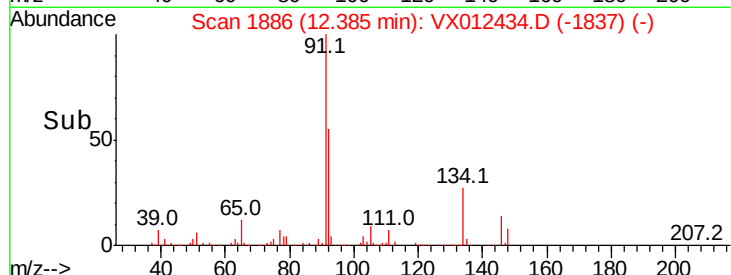
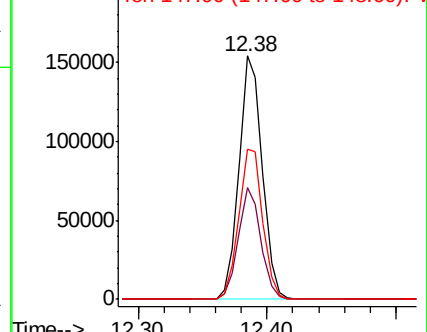


Abundance

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: 47.665 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

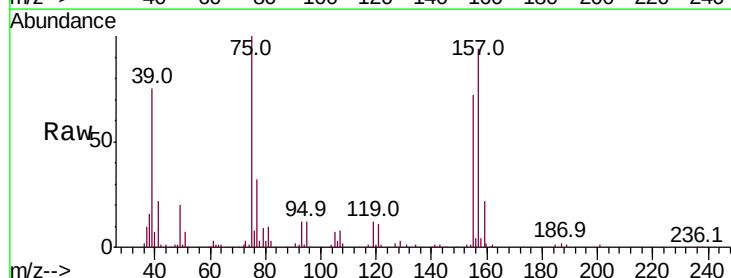
Tgt Ion: 75 Resp: 41099

Ion Ratio Lower Upper

75 100

155 76.8 38.6 115.8

157 98.1 50.6 151.9

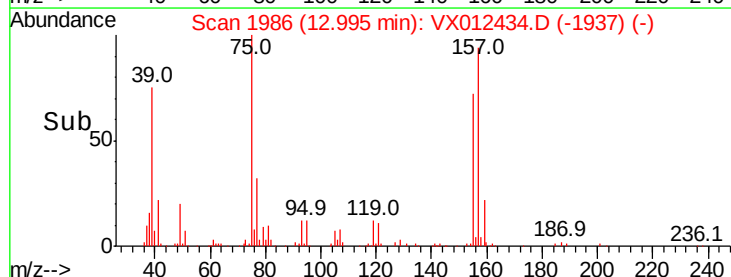
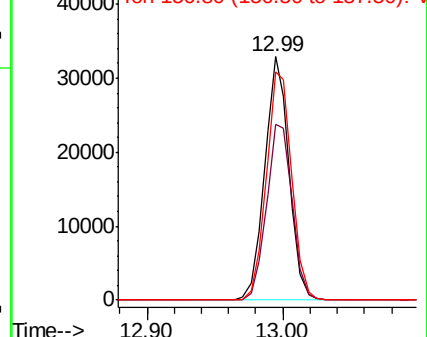


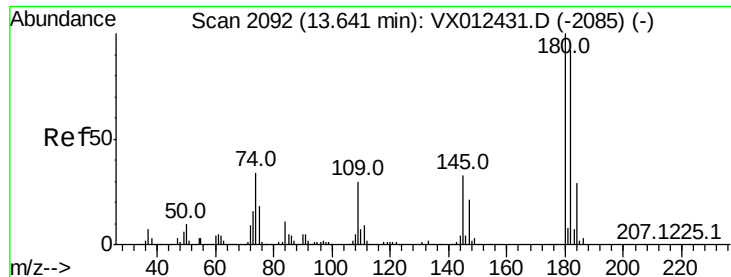
Abundance

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

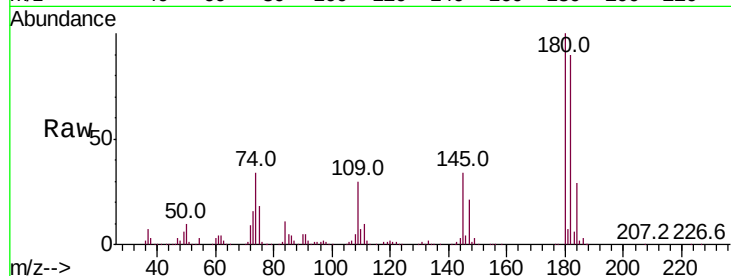




#93
 1,2,4-Trichlorobenzene
 Concen: 51.893 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091719

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.0	141.0
145	33.8	16.8	50.4

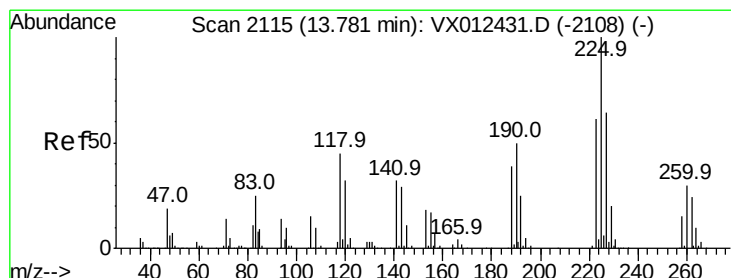
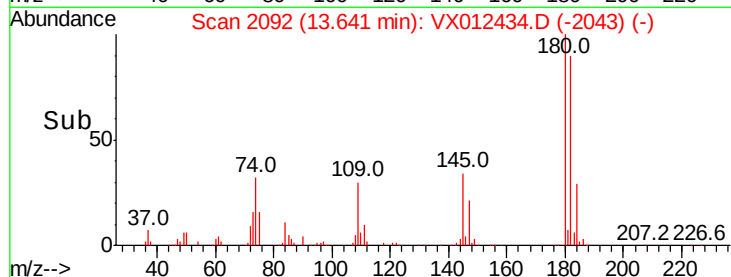
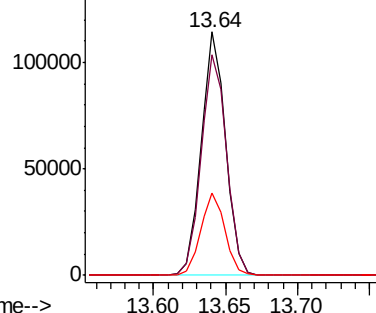


Abundance

Ion 179.80 (179.50 to 180.50): V

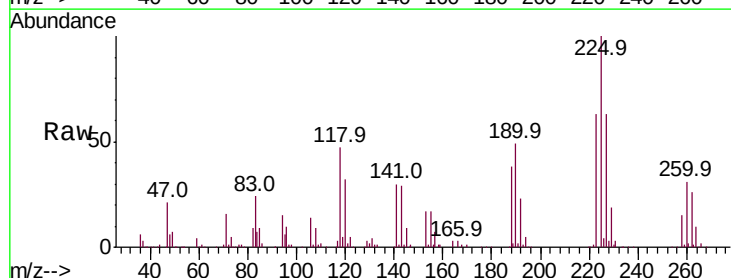
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.452 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012434.D
 Acq: 17 Sep 2019 15:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.0	96.2
227	63.2	31.9	95.5

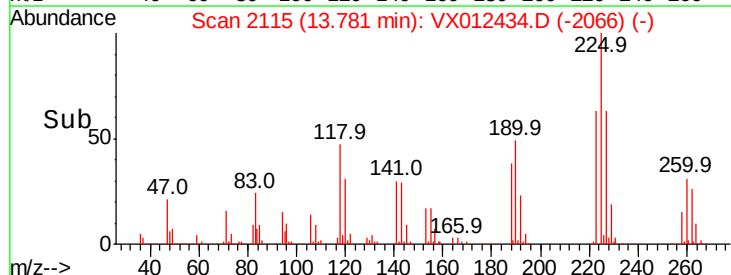
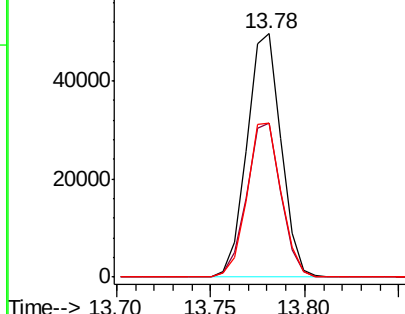


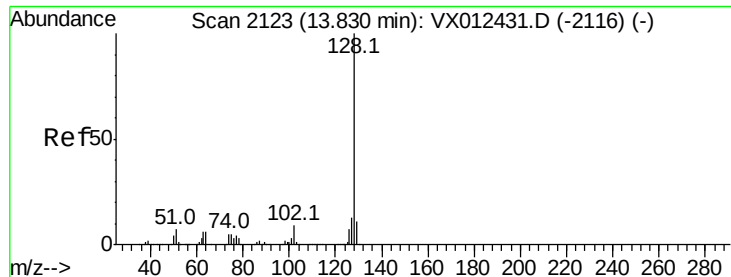
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.618 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091719

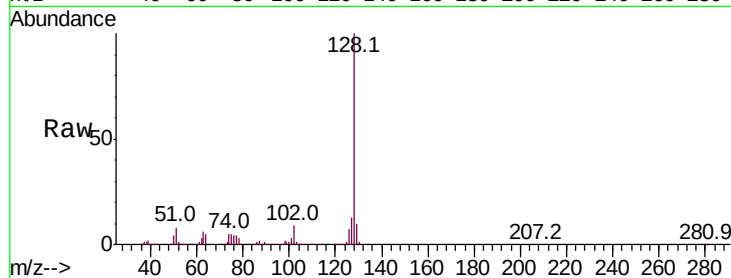
Tot Ion:128 Resp: 471627

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.8 8.8 13.2

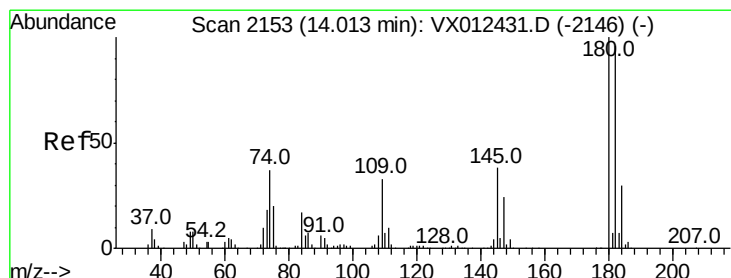
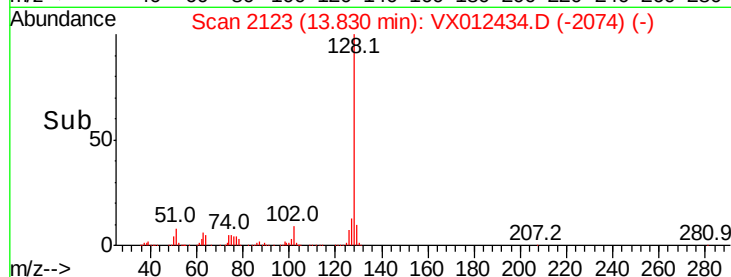
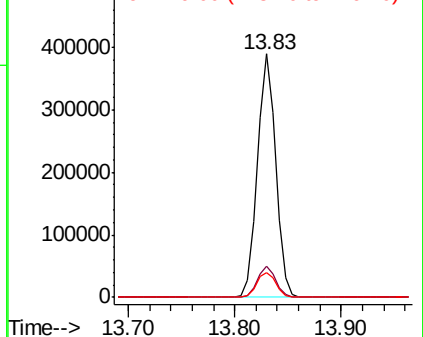


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.519 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012434.D

Acq: 17 Sep 2019 15:22

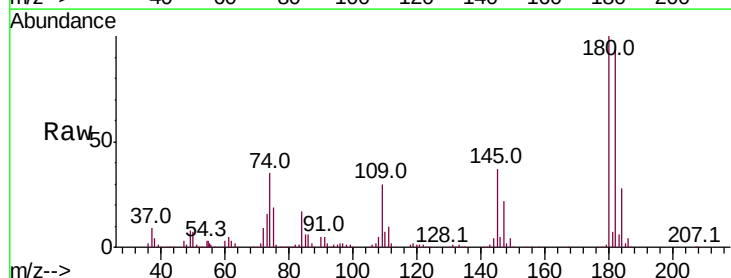
Tgt Ion:180 Resp: 137472

Ion Ratio Lower Upper

180 100

182 94.8 47.1 141.3

145 36.1 18.0 54.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

