

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032219\
 Data File : VX008335.D
 Acq On : 22 Mar 2019 13:19
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

Quant Time: Mar 22 15:36:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 15:33:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	50949	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	274509	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	239661	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	103215	29.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.83%
60) 4-Bromofluorobenzene	11.13	95	117880	30.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.73%
63) Toluene-d8	8.71	98	321217	29.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.17%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	56134	20.534	ug/l 99
3) Chloromethane	1.33	50	55725	19.937	ug/l 100
4) Vinyl Chloride	1.41	62	61345	19.473	ug/l 95
5) Bromomethane	1.64	94	116341	20.372	ug/l 99
6) Chloroethane	1.73	64	37039	16.543	ug/l 96
7) Trichlorofluoromethane	1.93	101	94112	18.767	ug/l 96
8) Diethyl Ether	2.19	74	35916	18.467	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53932	19.446	ug/l 98
10) 1,1-Dichloroethene	2.38	96	53604	19.581	ug/l 97
11) Methyl Iodide	2.51	142	74748	18.062	ug/l 95
12) Methyl Acetate	2.77	43	55485	18.574	ug/l 100
13) Acrolein	2.29	56	58017	123.975	ug/l 99
14) Acrylonitrile	3.14	53	138771	93.607	ug/l 98
15) Acetone	2.45	58	49055	84.383	ug/l 93
16) Carbon Disulfide	2.57	76	150745	19.859	ug/l 100
17) Allyl chloride	2.73	41	77319	19.140	ug/l 98
18) Methylene Chloride	2.86	84	57042	19.356	ug/l 92
19) trans-1,2-Dichloroethene	3.17	96	56433	19.419	ug/l 96
20) Diisopropyl ether	3.85	45	159354	18.866	ug/l 90
21) 1,1-Dichloroethane	3.70	63	93933	18.830	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	65529	19.551	ug/l 99
23) tert-Butyl Alcohol	3.04	59	56263	93.485	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	169837	19.310	ug/l 97
25) Chloroform	5.21	83	100982	19.083	ug/l 91
26) Cyclohexane	5.57	56	87645	19.866	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	75126	19.269	ug/l 99
30) 2-Butanone	4.67	43	196558	87.527	ug/l 97
31) 2,2-Dichloropropane	4.58	77	70549	19.219	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	87958	19.173	ug/l 99
33) Carbon Tetrachloride	5.78	117	79722	18.922	ug/l 94
34) Benzene	6.14	78	221151	19.042	ug/l # 96
35) Methacrylonitrile	5.04	41	38105	18.216	ug/l 96
36) 1,2-Dichloroethane	6.19	62	81253	18.981	ug/l 100
37) Trichloroethene	7.21	130	65606	19.213	ug/l 96
38) Methylcyclohexane	7.46	83	97583	19.970	ug/l 99
39) 1,2-Dichloropropane	7.51	63	56592	19.150	ug/l 99
40) Dibromomethane	7.66	93	41236	19.025	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	77554	18.857	ug/l	99
42) Vinyl Acetate	3.81	43	708671	93.888	ug/l	99
43) Ethyl Acetate	4.83	43	71931	18.146	ug/l #	83
44) Isopropyl Acetate	6.45	43	115353	18.491	ug/l	97
45) 1,4-Dioxane	7.74	88	28987	369.432	ug/l	99
46) Methyl methacrylate	7.77	41	58365	19.067	ug/l	99
47) n-amyl Acetate	10.90	43	98935	18.498	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	77801	18.894	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	88129	19.180	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	59508	19.112	ug/l	92
51) Ethyl methacrylate	9.18	69	88750	19.524	ug/l	94
52) 1,3-Dichloropropane	9.37	76	95343	19.093	ug/l	100
53) Dibromochloromethane	9.58	129	66804	19.033	ug/l	100
54) 1,2-Dibromoethane	9.67	107	65175	19.078	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	288779	126.267	ug/l	98
56) Bromoform	10.85	173	50969	18.394	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	374676	92.852	ug/l	96
59) 2-Hexanone	9.49	43	291732	91.395	ug/l	97
61) Tetrachloroethene	9.34	164	62671	19.426	ug/l	99
62) Toluene	8.78	91	240548	18.909	ug/l	97
64) Chlorobenzene	10.13	112	157944	19.259	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.22	131	60432	19.293	ug/l	99
66) Ethyl Benzene	10.25	91	269436	19.584	ug/l	100
67) m/p-Xylenes	10.36	106	212645	38.889	ug/l	99
68) o-Xylene	10.69	106	101833	19.387	ug/l	97
69) Styrene	10.71	104	171911	19.385	ug/l	98
70) Isopropylbenzene	11.02	105	267666	19.368	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	88032	18.680	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	95186	25.074	ug/l	91
73) Bromobenzene	11.26	156	74222	19.411	ug/l	99
74) n-propylbenzene	11.36	91	302828	19.658	ug/l	99
75) 2-Chlorotoluene	11.42	91	179093	19.468	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	230781	19.547	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	24709	18.373	ug/l	95
78) 4-Chlorotoluene	11.51	91	207997	19.211	ug/l	98
79) tert-butylbenzene	12.06	119	244657	19.700	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	231464	19.730	ug/l	100
81) sec-Butylbenzene	11.94	105	266194	19.767	ug/l	99
82) p-Isopropyltoluene	12.06	119	244657	19.700	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	129198	19.467	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	128388	19.426	ug/l	97
85) n-Butylbenzene	12.38	91	208300	19.499	ug/l	99
86) Hexachloroethane	12.60	117	40675	19.004	ug/l	88
87) 1,2-Dichlorobenzene	12.39	146	128654	19.657	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	18919	17.537	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	92274	19.920	ug/l	98
90) Hexachlorobutadiene	13.78	225	47465	20.355	ug/l	98
91) Naphthalene	13.83	128	270646	19.453	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	91372	19.511	ug/l	100

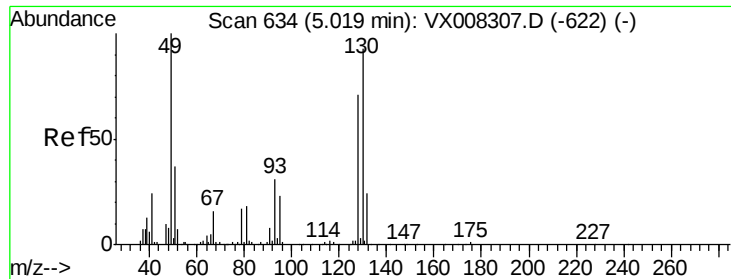
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

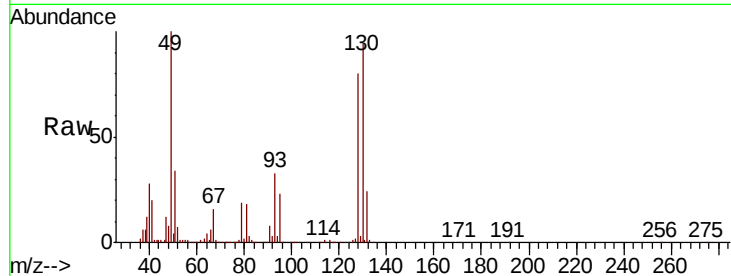
Tgt Ion:128 Resp: 50949

Ion Ratio Lower Upper

128 100

49 135.1 0.0 350.8

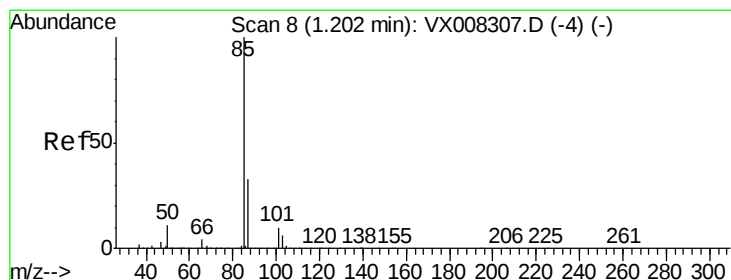
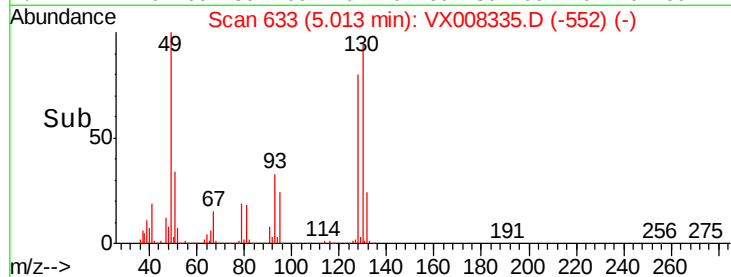
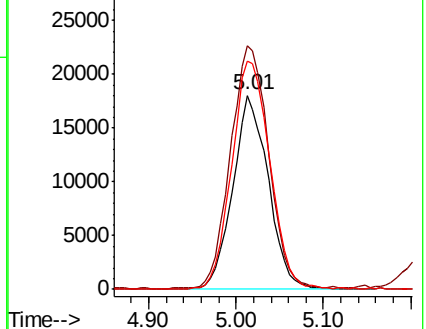
130 125.9 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.534 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX008335.D

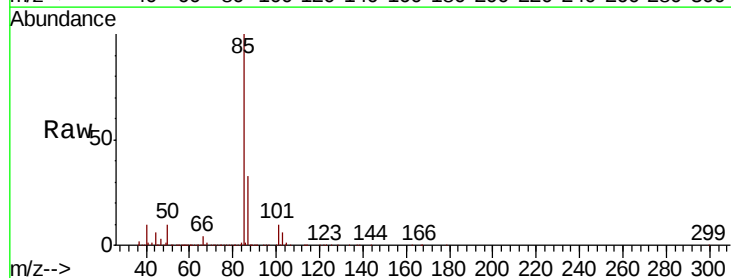
Acq: 22 Mar 2019 13:19

Tgt Ion: 85 Resp: 56134

Ion Ratio Lower Upper

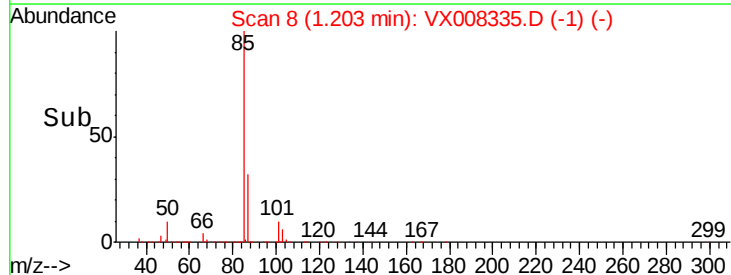
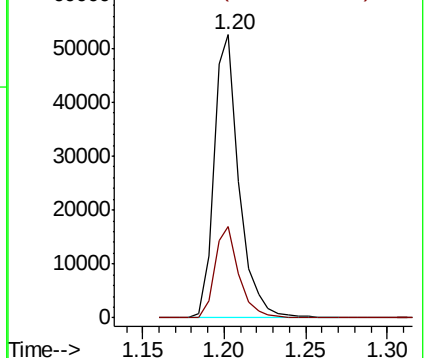
85 100

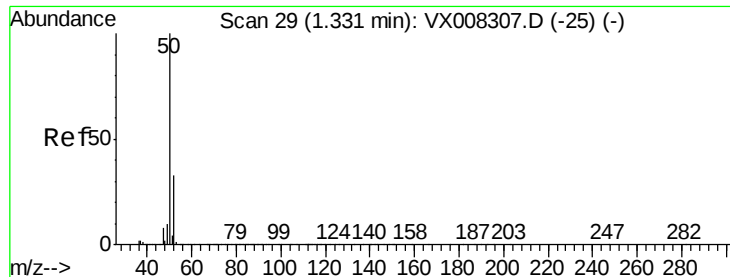
87 32.4 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.937 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

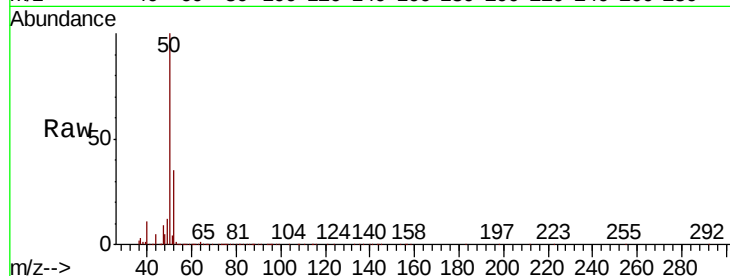
ICVVX032219

Tgt Ion: 50 Resp: 55725

Ion Ratio Lower Upper

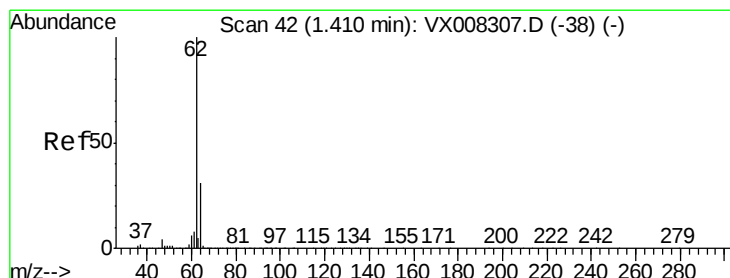
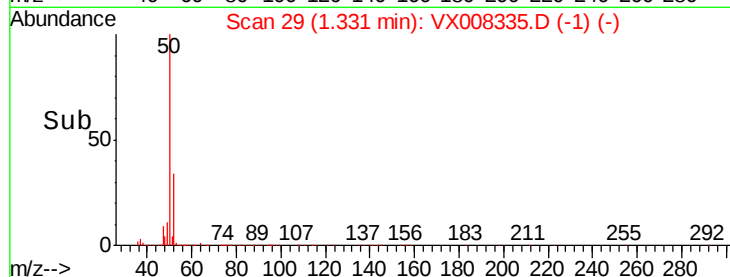
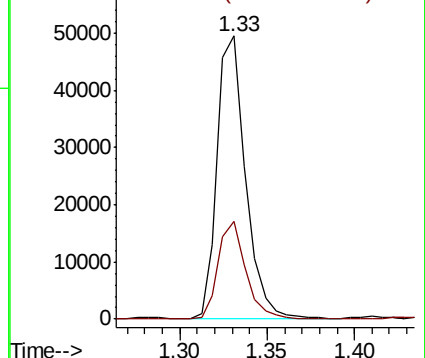
50 100

52 34.3 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.473 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008335.D

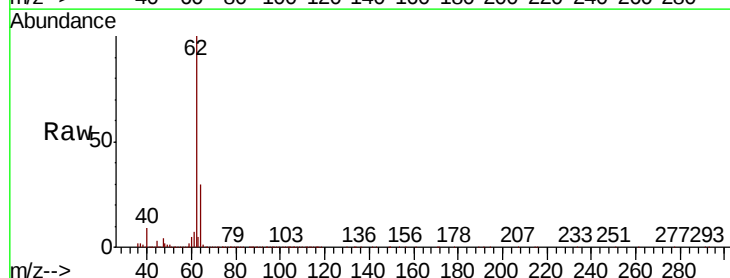
Acq: 22 Mar 2019 13:19

Tgt Ion: 62 Resp: 61345

Ion Ratio Lower Upper

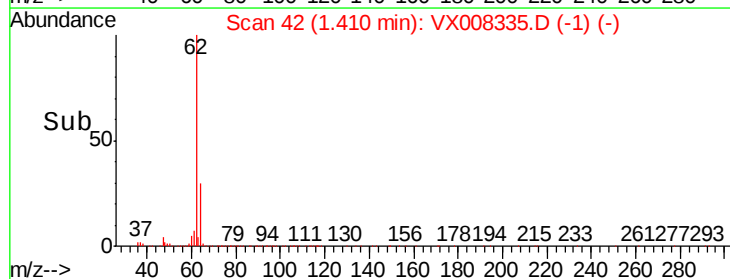
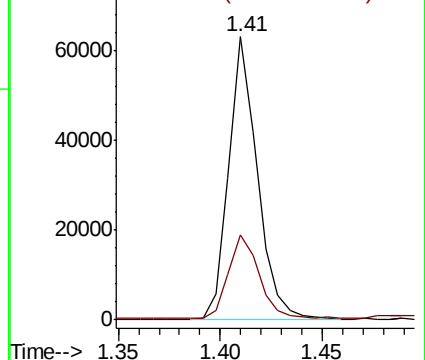
62 100

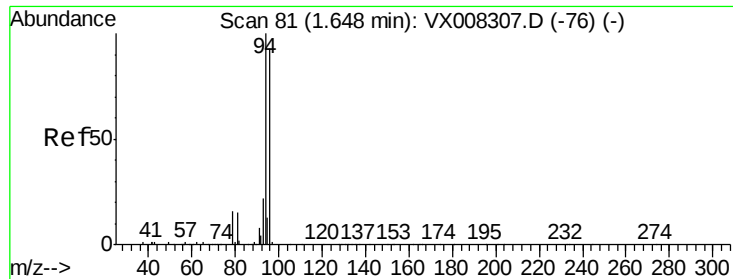
64 29.7 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 20.372 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

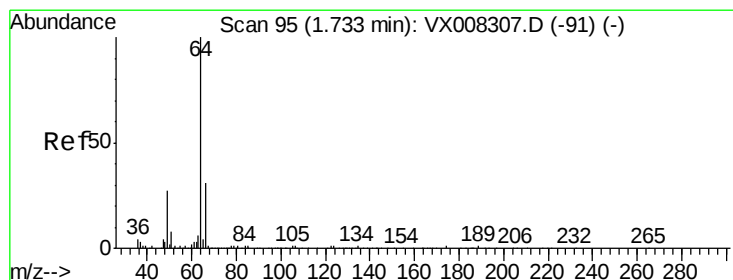
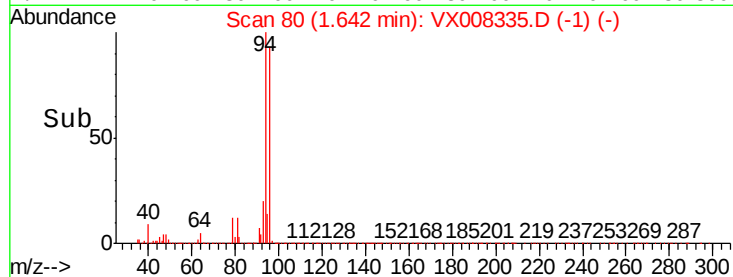
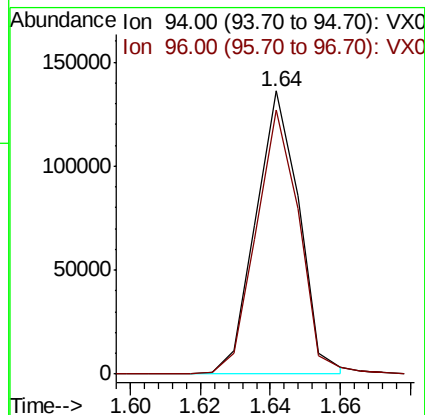
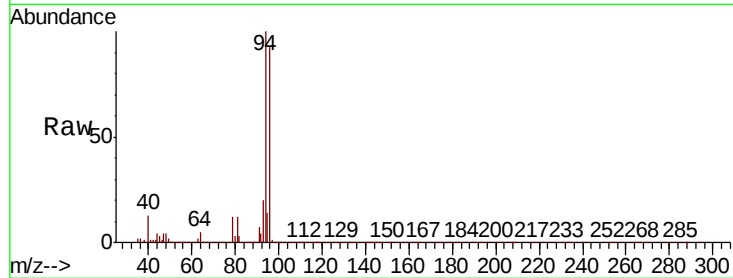
ICVVX032219

Tgt Ion: 94 Resp: 116341

Ion Ratio Lower Upper

94 100

96 93.4 75.6 113.4



#6

Chloroethane

Concen: 16.543 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.01 min

Lab File: VX008335.D

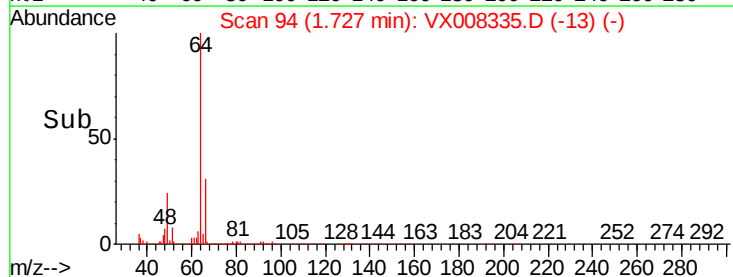
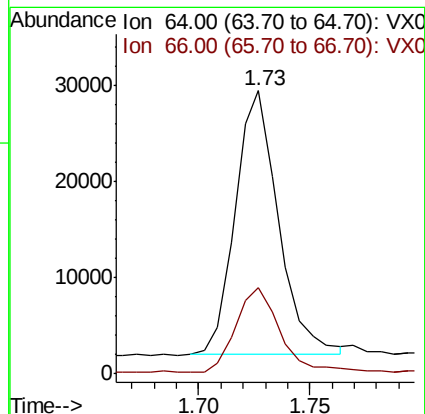
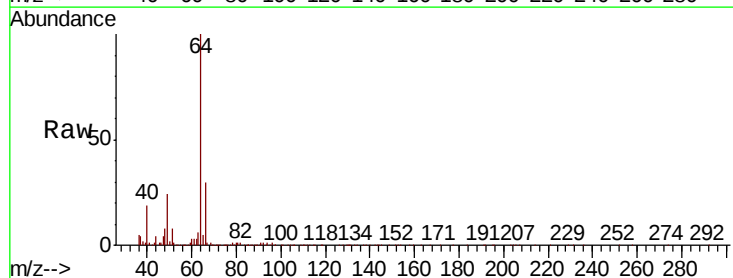
Acq: 22 Mar 2019 13:19

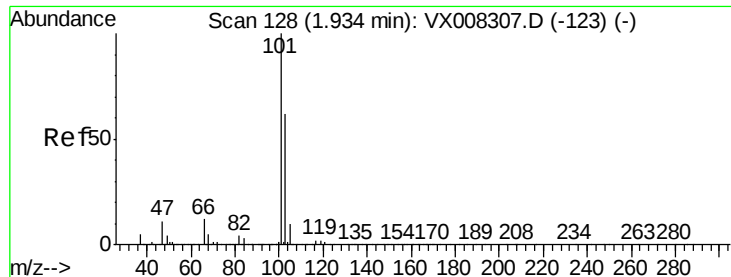
Tgt Ion: 64 Resp: 37039

Ion Ratio Lower Upper

64 100

66 31.8 23.9 35.9



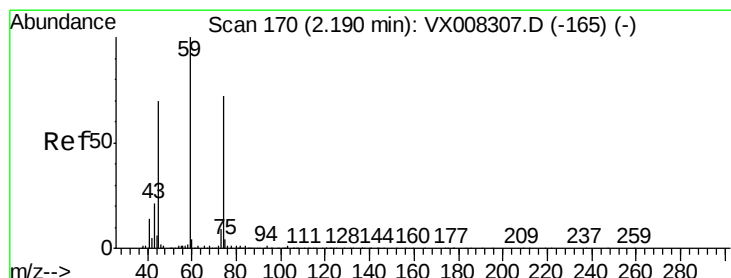
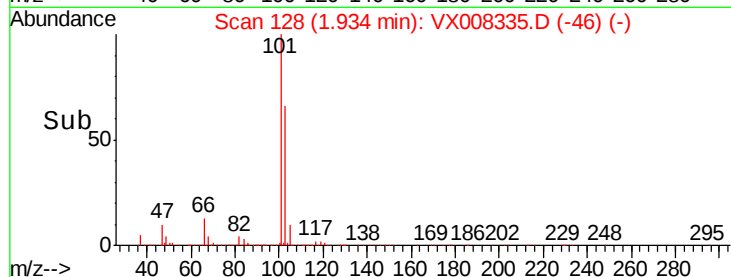
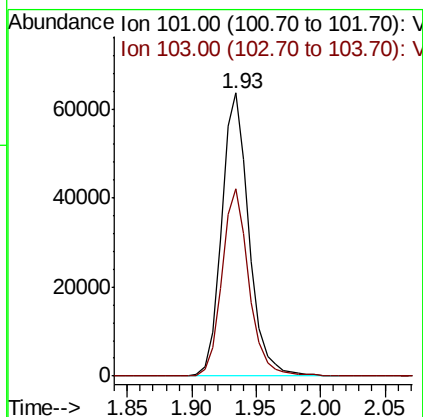
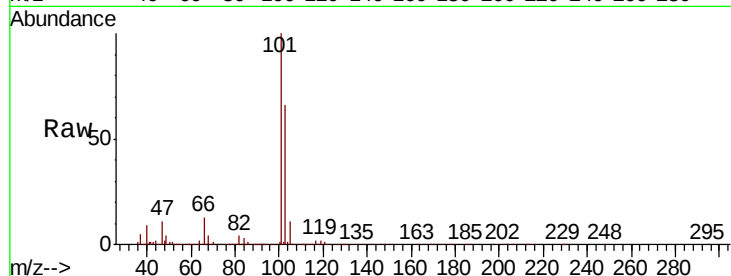


#7

Trichlorofluoromethane
Concen: 18.767 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
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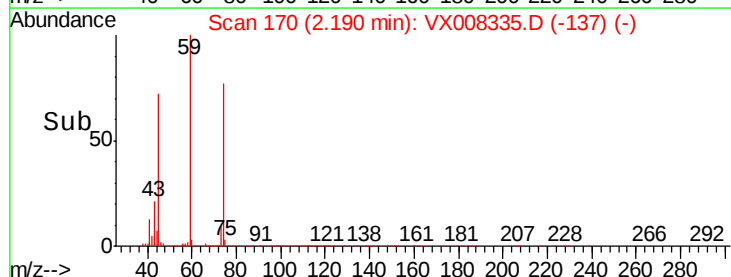
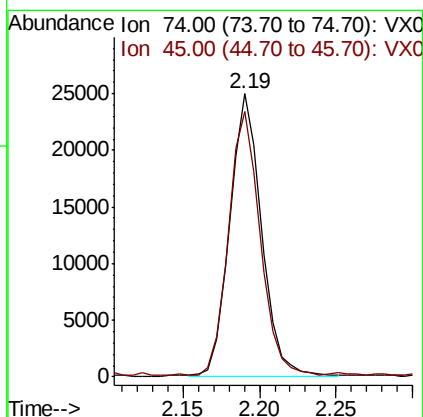
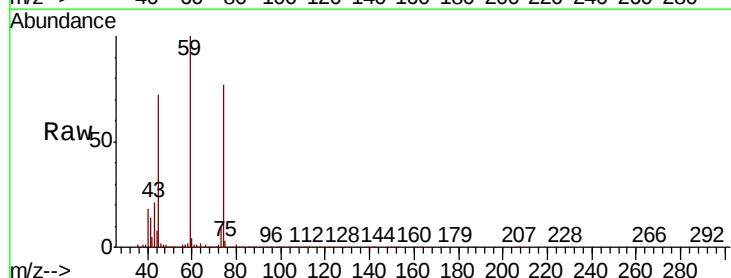
Tgt Ion:101 Resp: 94112
Ion Ratio Lower Upper
101 100
103 66.1 50.4 75.6

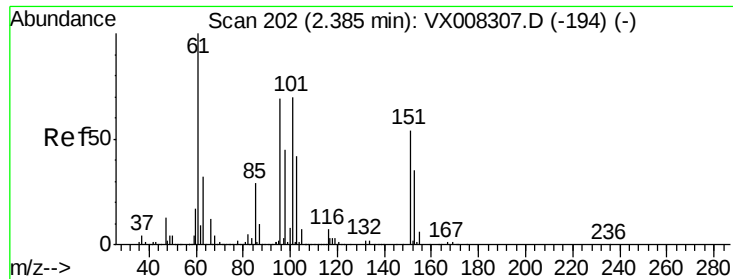


#8

Diethyl Ether
Concen: 18.467 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion: 74 Resp: 35916
Ion Ratio Lower Upper
74 100
45 92.7 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.446 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

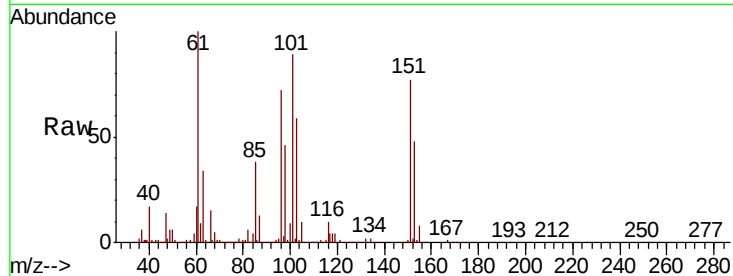
Tgt Ion:101 Resp: 53932

Ion Ratio Lower Upper

101 100

85 44.3 0.0 86.8

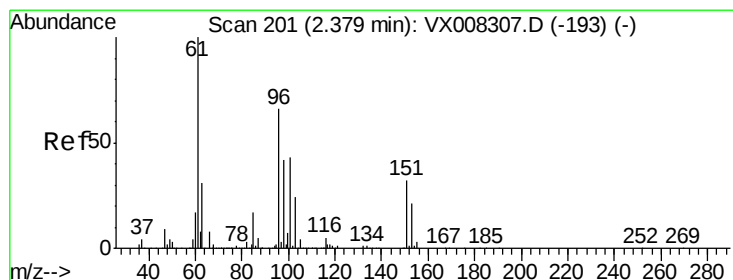
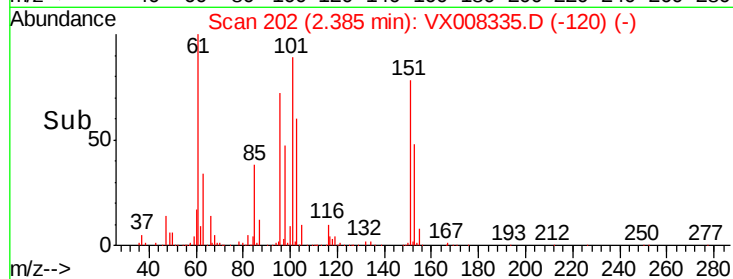
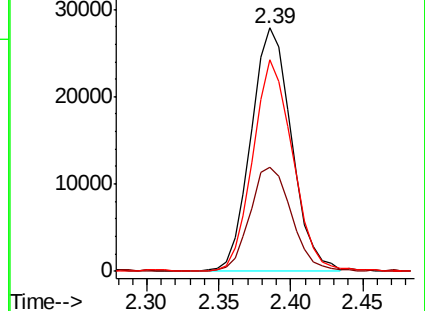
151 86.3 0.0 169.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.581 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

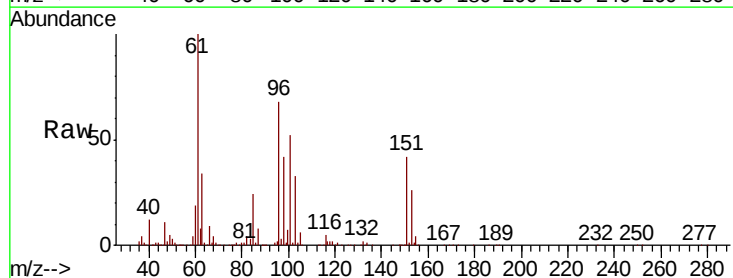
Tgt Ion: 96 Resp: 53604

Ion Ratio Lower Upper

96 100

61 145.8 120.2 180.2

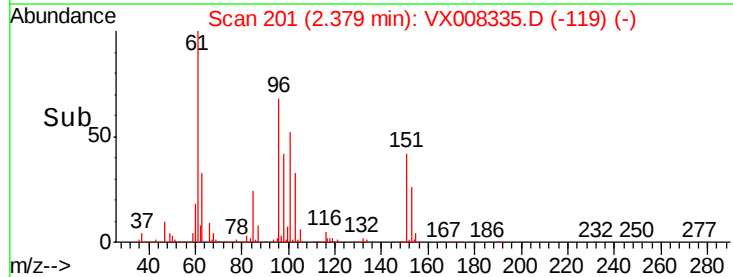
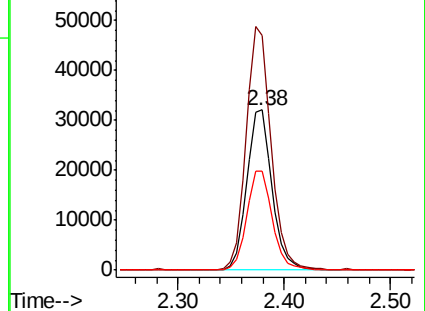
98 61.8 49.0 73.4

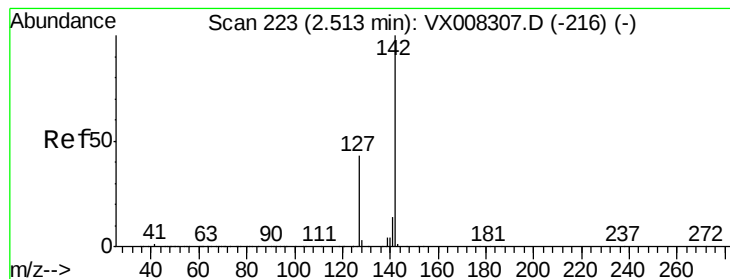


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

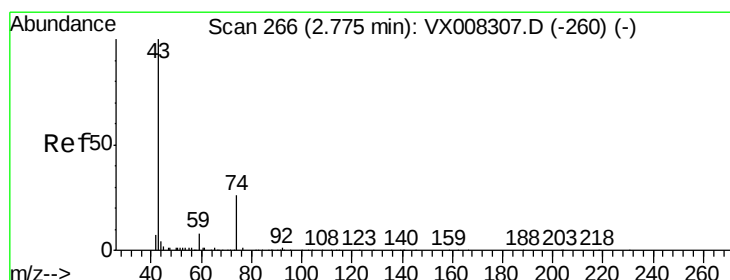
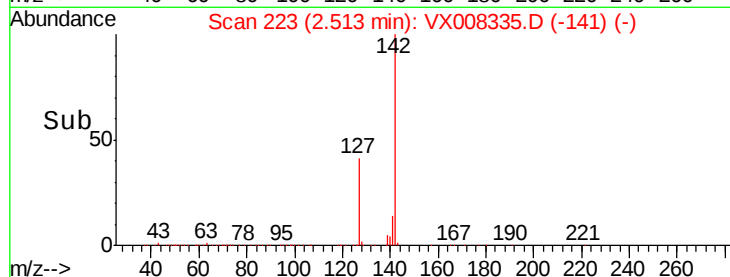
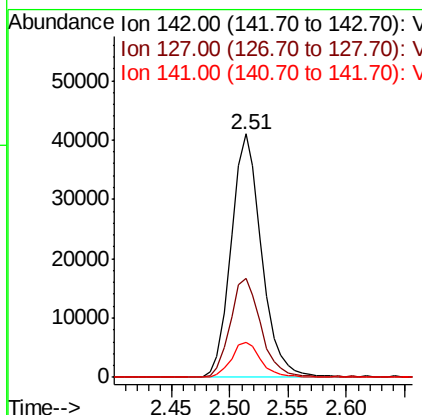
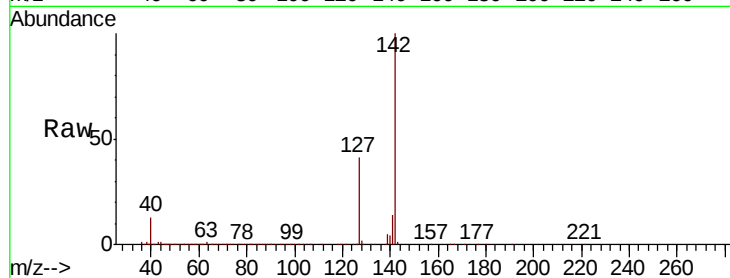




#11
Methyl Iodide
Concen: 18.062 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

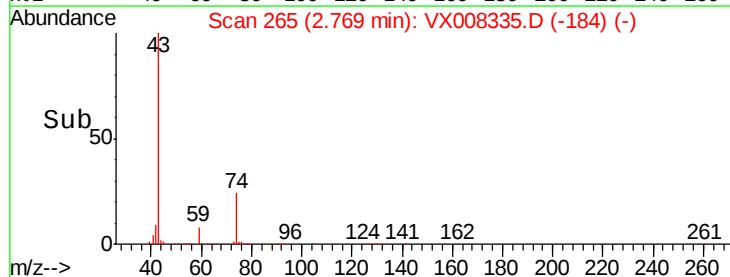
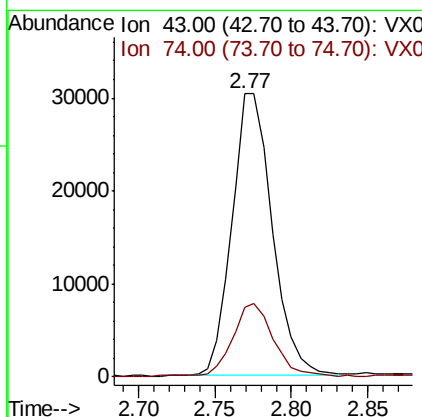
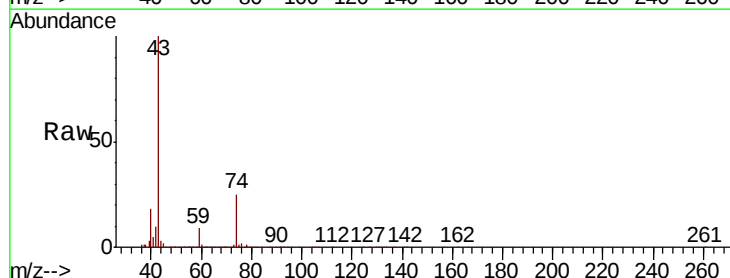
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

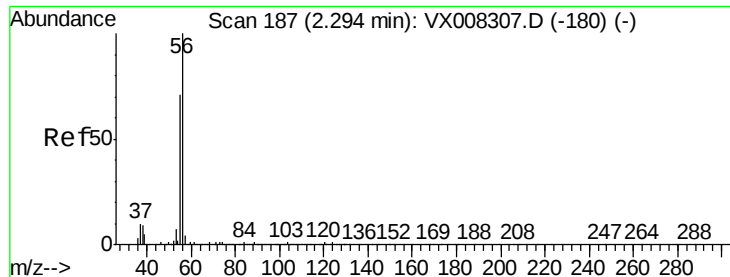
Tgt Ion:142 Resp: 74748
Ion Ratio Lower Upper
142 100
127 40.4 22.1 66.5
141 14.2 7.4 22.3



#12
Methyl Acetate
Concen: 18.574 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion: 43 Resp: 55485
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.0





#13

Acrolein

Concen: 123.975 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

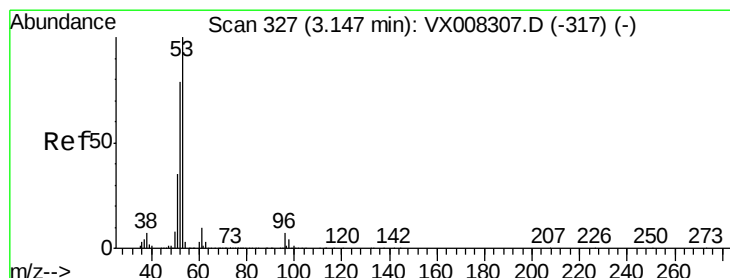
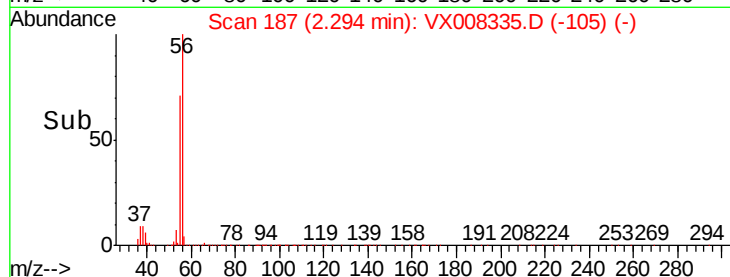
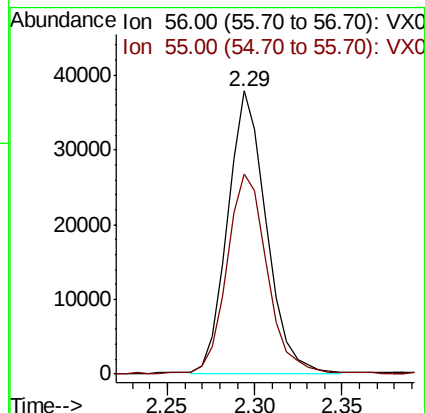
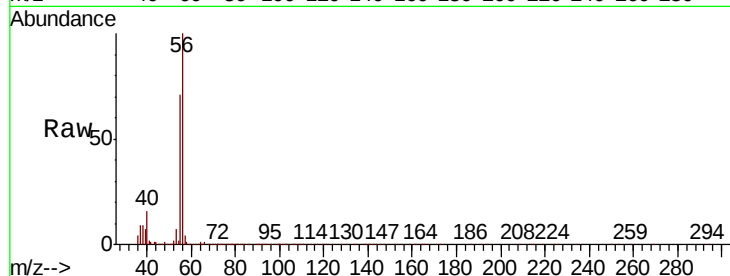
ICVVX032219

Tgt Ion: 56 Resp: 58017

Ion Ratio Lower Upper

56 100

55 72.7 58.6 87.8



#14

Acrylonitrile

Concen: 93.607 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

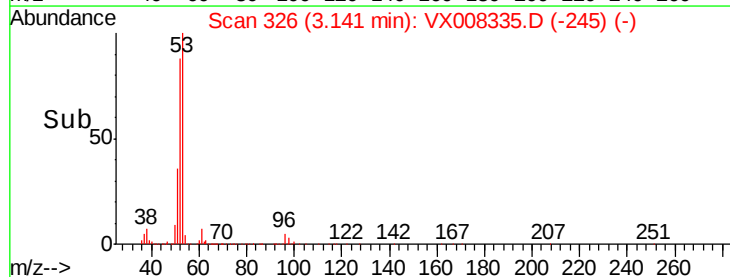
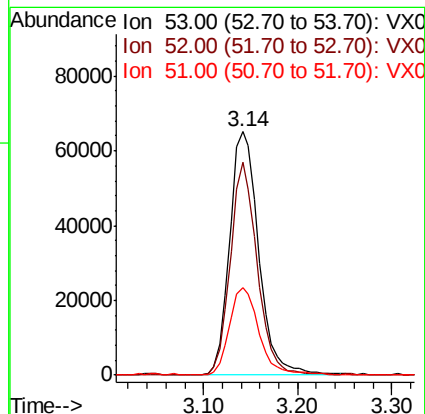
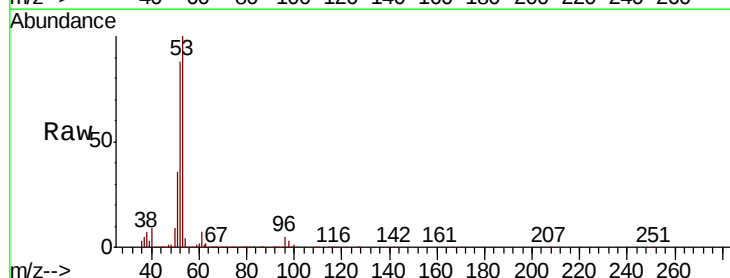
Tgt Ion: 53 Resp: 138771

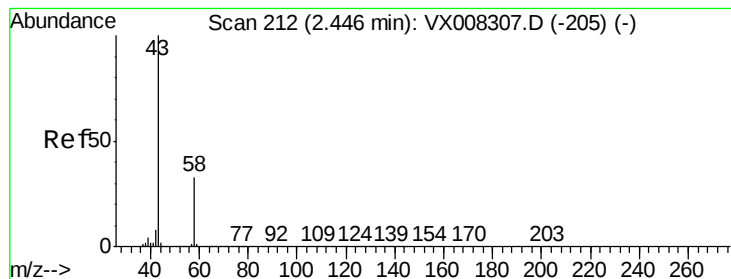
Ion Ratio Lower Upper

53 100

52 80.9 41.3 124.1

51 36.6 17.5 52.6





#15

Acetone

Concen: 84.383 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

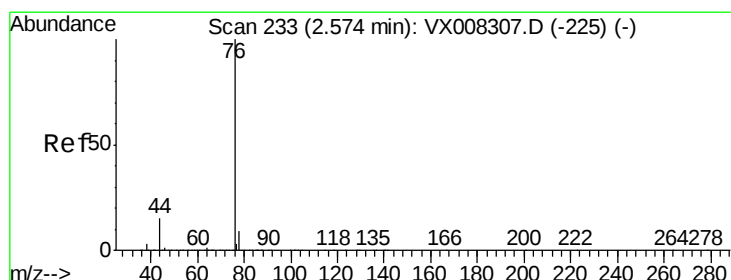
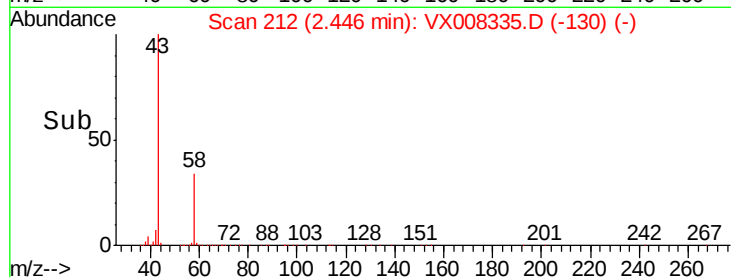
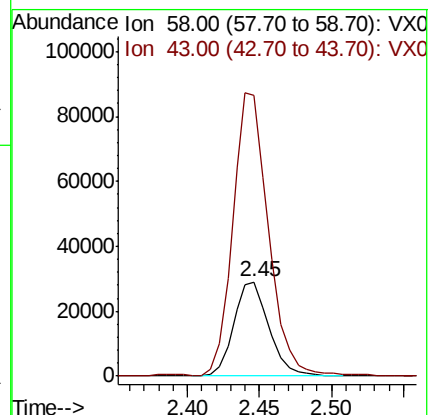
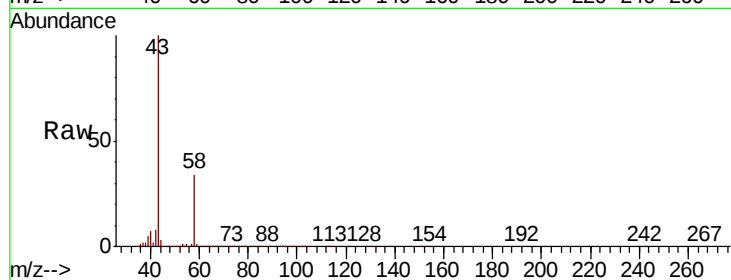
ICVVX032219

Tgt Ion: 58 Resp: 49055

Ion Ratio Lower Upper

58 100

43 297.6 249.8 374.6



#16

Carbon Disulfide

Concen: 19.859 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008335.D

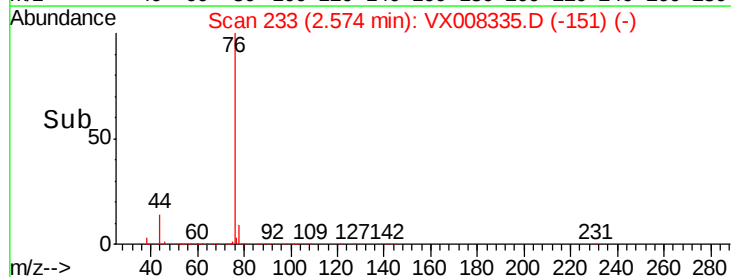
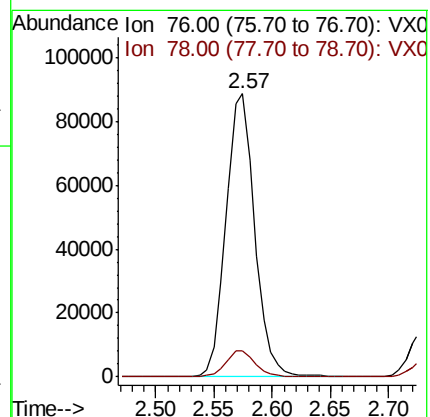
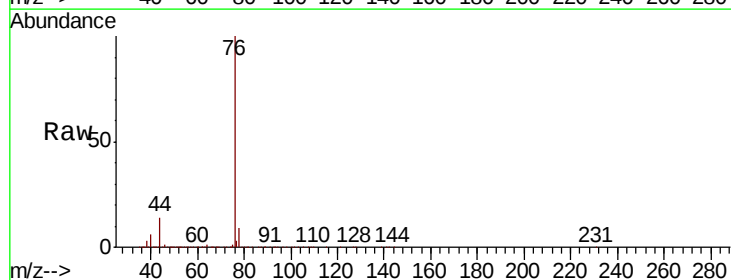
Acq: 22 Mar 2019 13:19

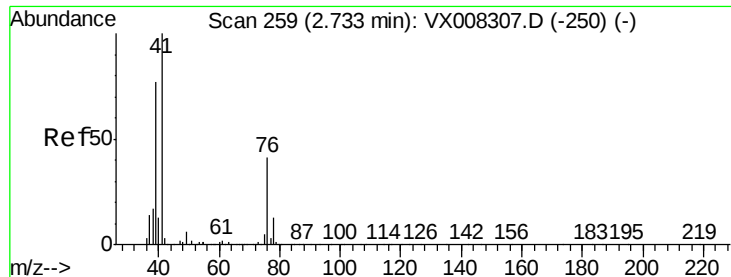
Tgt Ion: 76 Resp: 150745

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

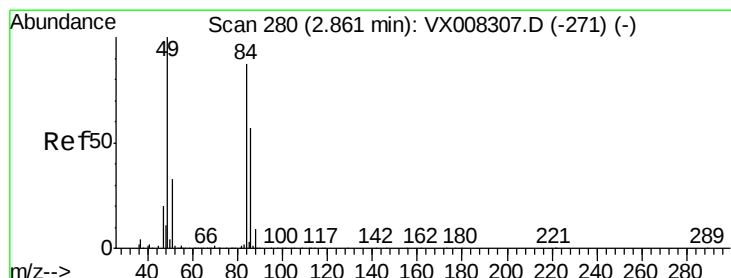
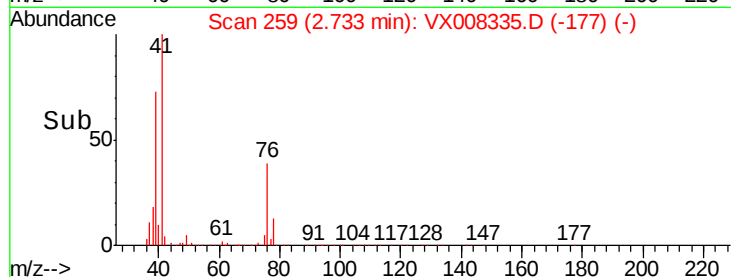
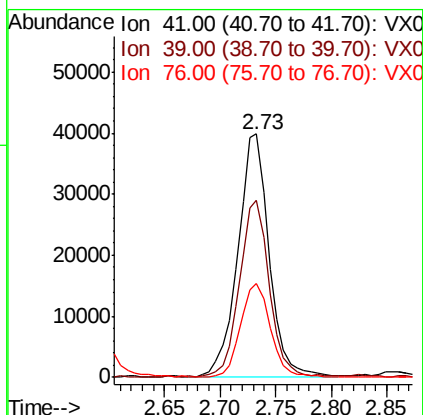
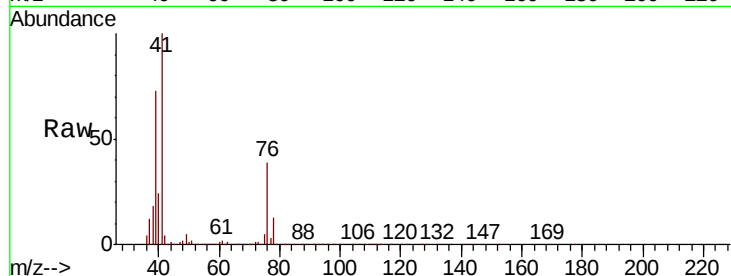




#17
 Allyl chloride
 Concen: 19.140 ug/l
 RT: 2.73 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

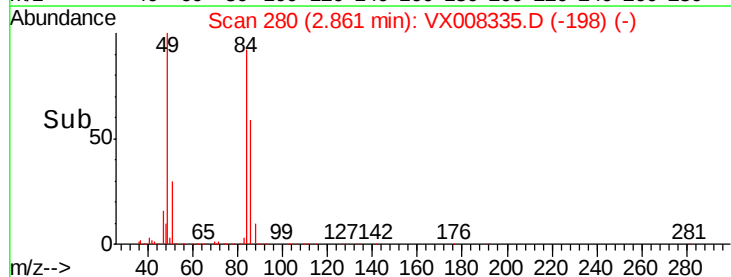
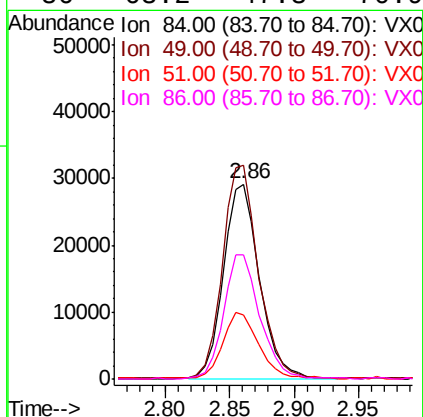
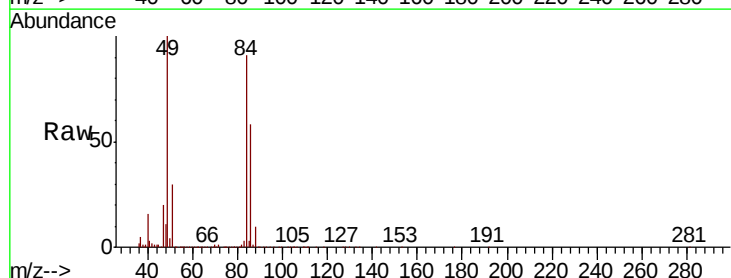
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

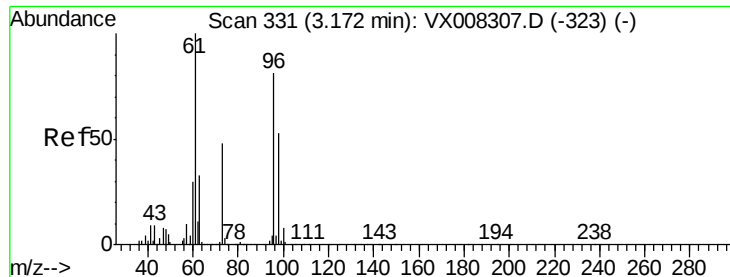
Tgt Ion: 41 Resp: 77319
 Ion Ratio Lower Upper
 41 100
 39 72.4 35.8 107.4
 76 38.5 18.3 54.9



#18
 Methylene Chloride
 Concen: 19.356 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion: 84 Resp: 57042
 Ion Ratio Lower Upper
 84 100
 49 109.6 96.1 144.1
 51 32.7 29.1 43.7
 86 63.2 47.3 70.9





#19

trans-1,2-Dichloroethene

Concen: 19.419 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

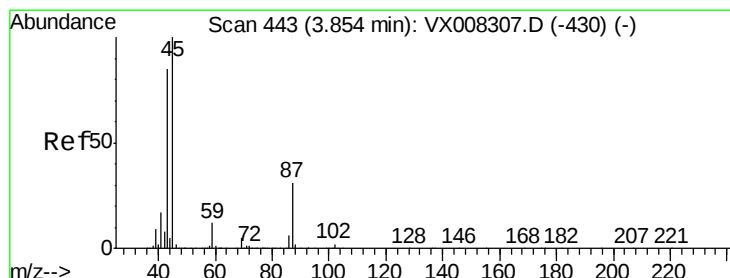
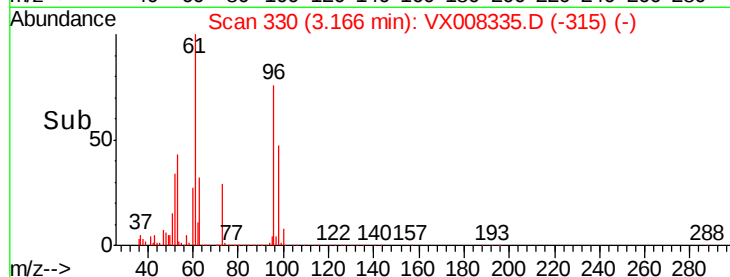
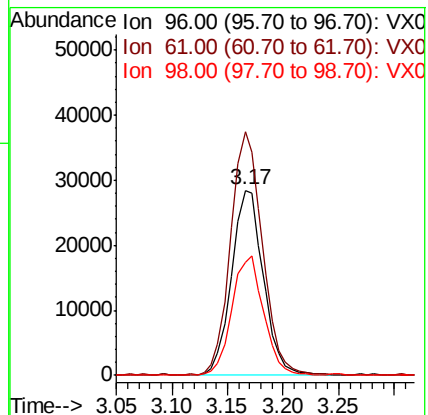
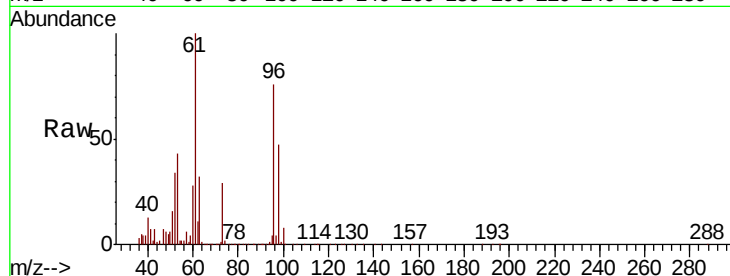
Tgt Ion: 96 Resp: 56433

Ion Ratio Lower Upper

96 100

61 131.1 109.9 164.9

98 61.2 50.4 75.6



#20

Diisopropyl ether

Concen: 18.866 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion: 45 Resp: 159354

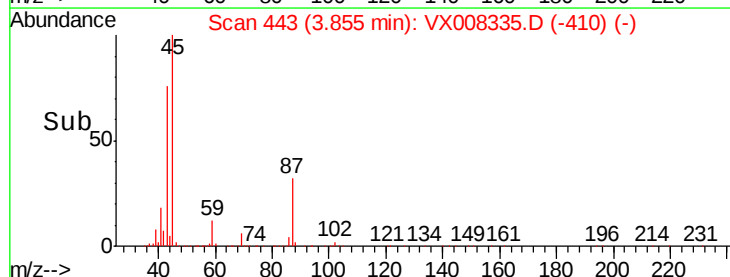
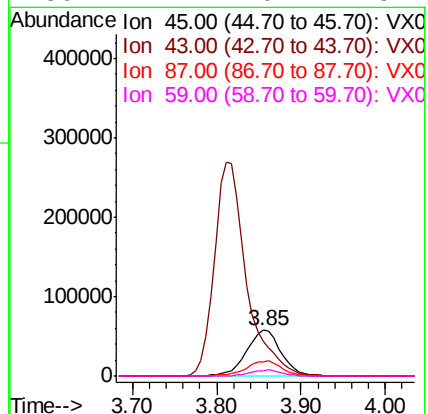
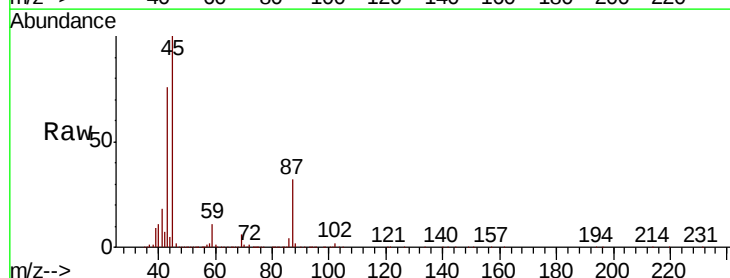
Ion Ratio Lower Upper

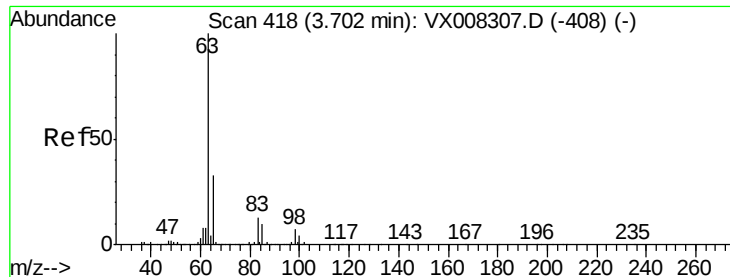
45 100

43 75.1 50.6 76.0

87 31.6 24.5 36.7

59 11.2 10.2 15.2





#21

1,1-Dichloroethane

Concen: 18.830 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

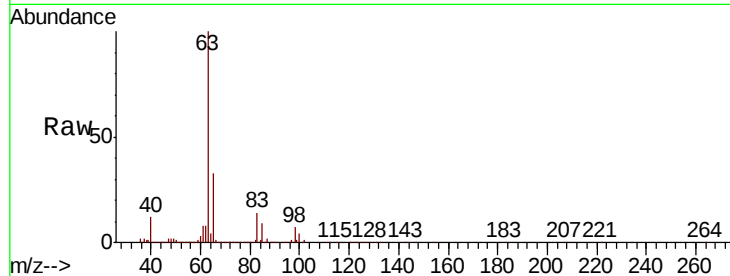
Tgt Ion: 63 Resp: 93933

Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.4

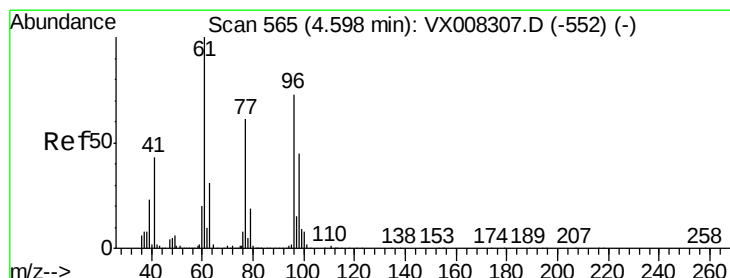
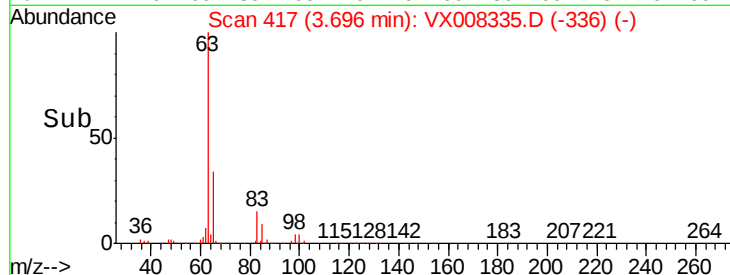
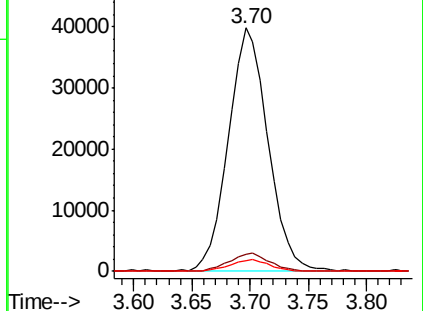
100 4.3 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 19.551 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

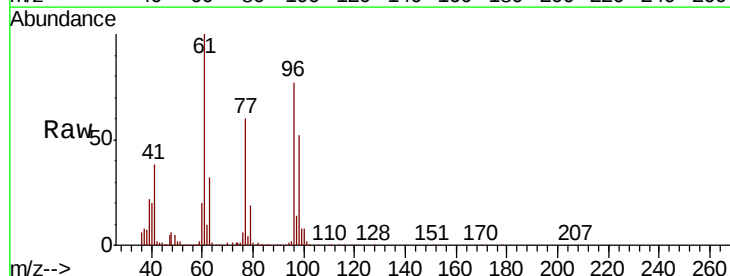
Tgt Ion: 96 Resp: 65529

Ion Ratio Lower Upper

96 100

61 130.1 103.5 155.3

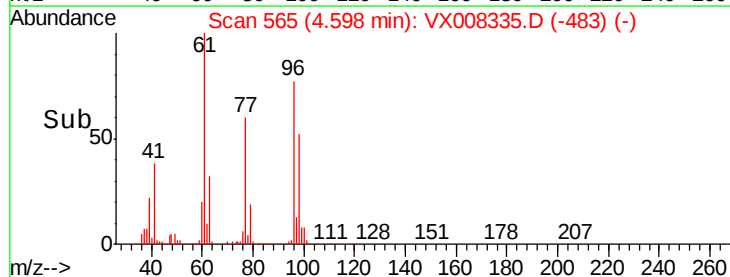
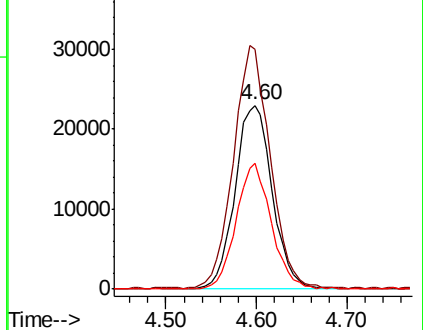
98 64.5 52.1 78.1

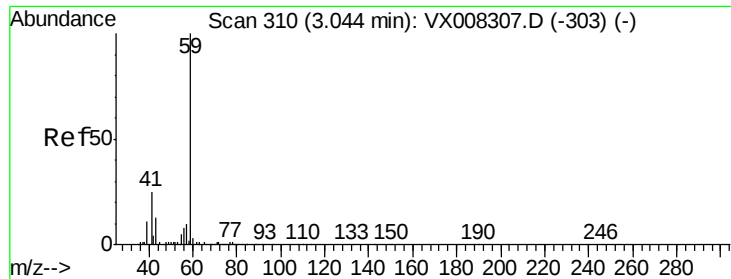


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 93.485 ug/l

RT: 3.04 min Scan# 310

Delta R.T. 0.00 min

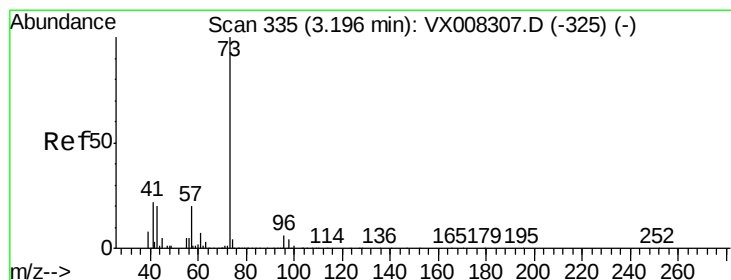
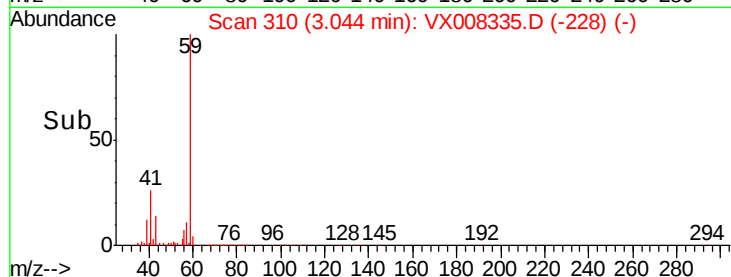
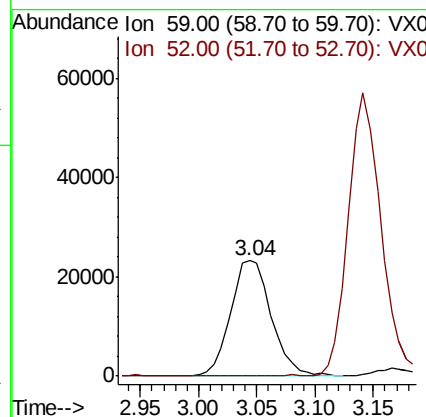
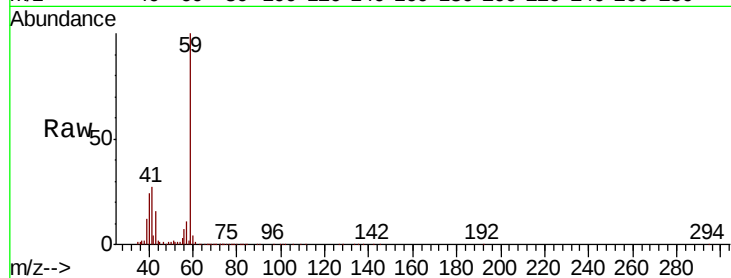
Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tgt Ion: 59 Resp: 56263

Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.2	0.2#



#24

Methyl tert-Butyl Ether

Concen: 19.310 ug/l

RT: 3.20 min Scan# 335

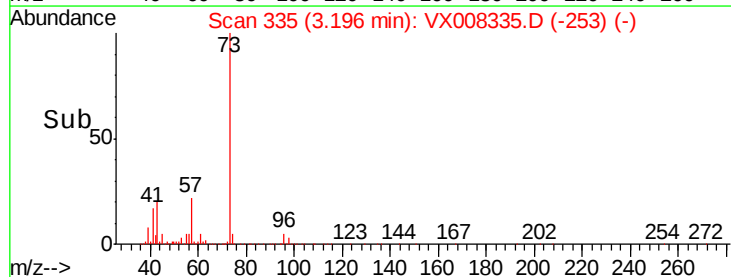
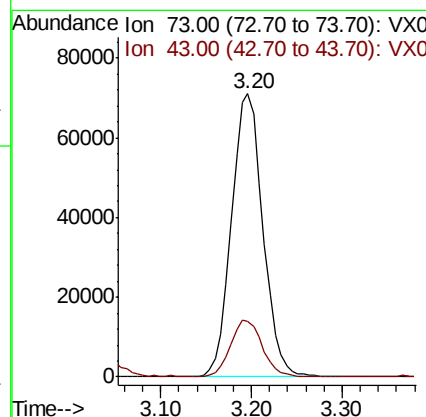
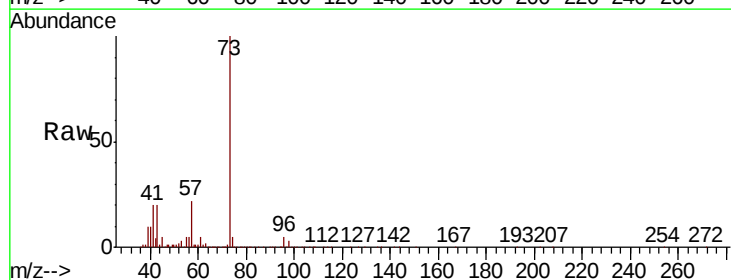
Delta R.T. 0.00 min

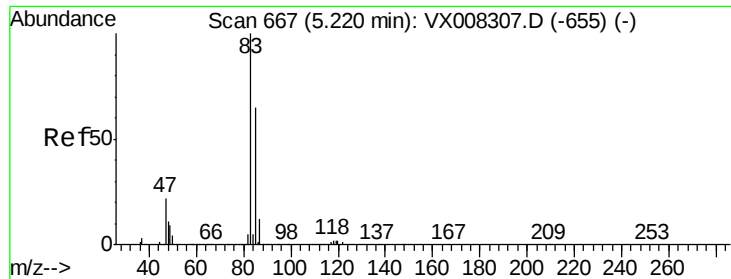
Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Tgt Ion: 73 Resp: 169837

Ion	Ratio	Lower	Upper
73	100		
43	20.1	17.1	25.7





#25

Chloroform

Concen: 19.083 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

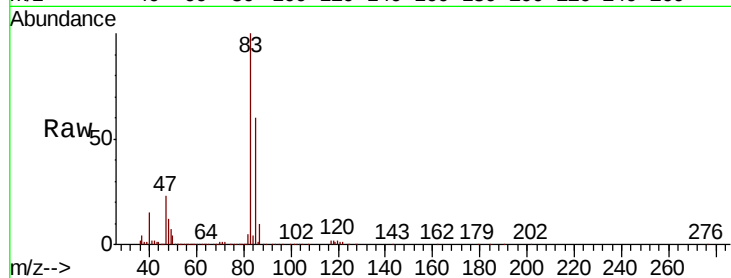
ICVVX032219

Tgt Ion: 83 Resp: 100982

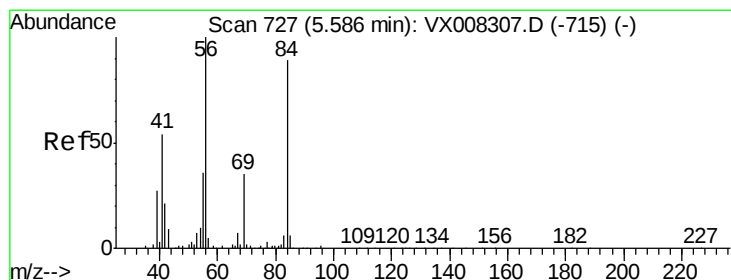
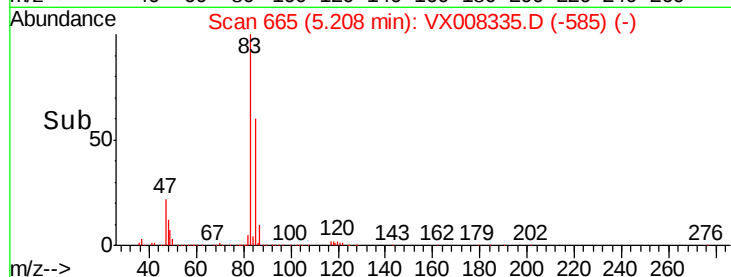
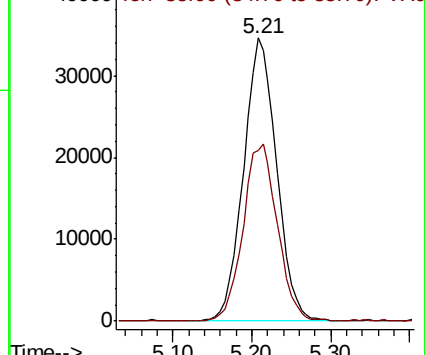
Ion Ratio Lower Upper

83 100

85 60.3 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 19.866 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

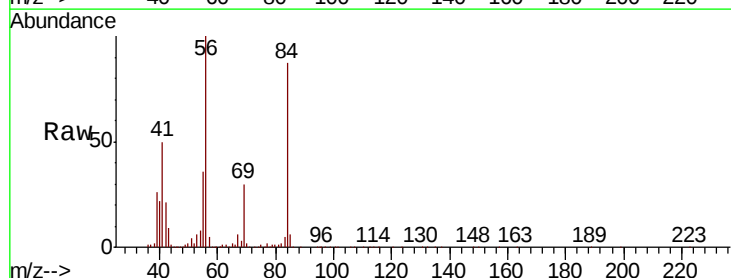
Tgt Ion: 56 Resp: 87645

Ion Ratio Lower Upper

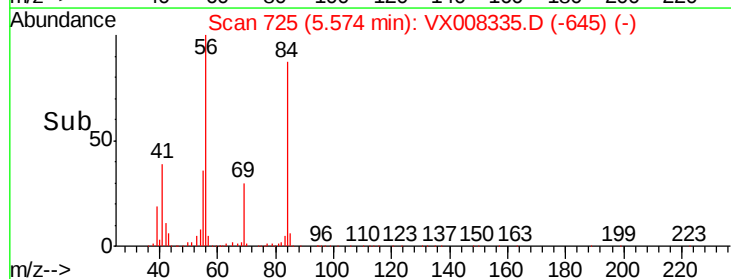
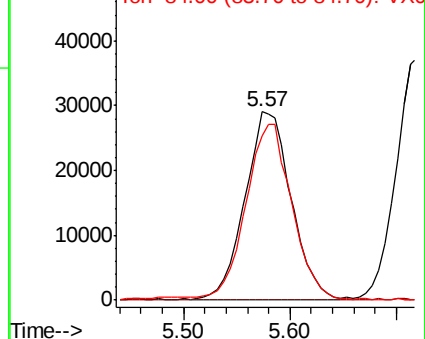
56 100

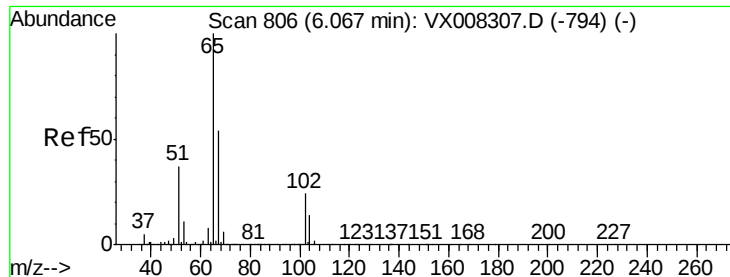
89 0.2 0.0 0.0#

84 93.3 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 89.00 (88.70 to 89.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.646 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

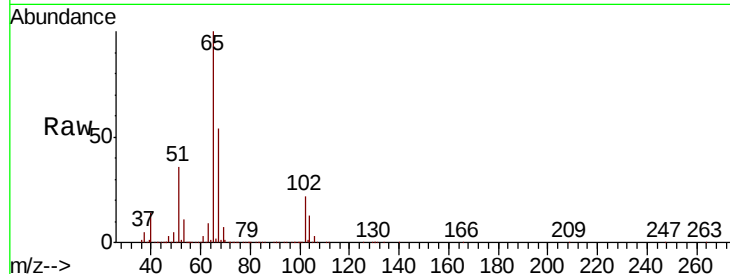
ICVVX032219

Tgt Ion: 65 Resp: 103215

Ion Ratio Lower Upper

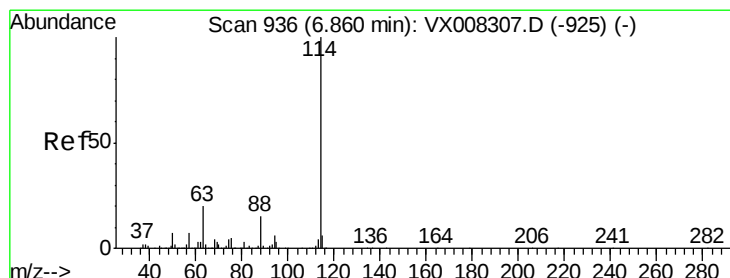
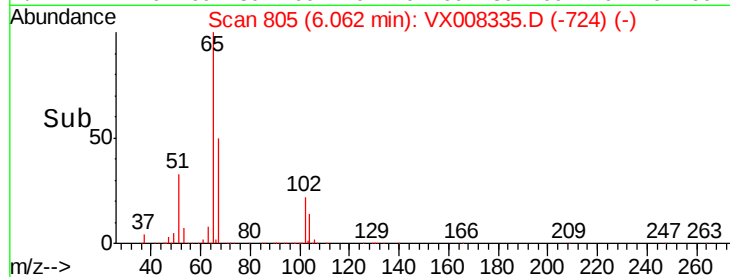
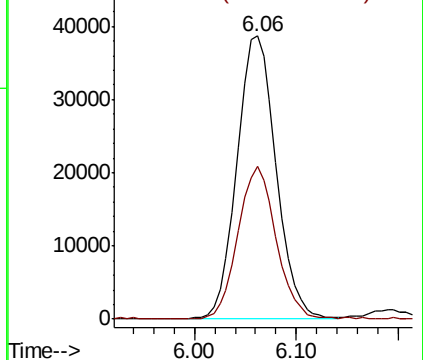
65 100

67 51.7 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

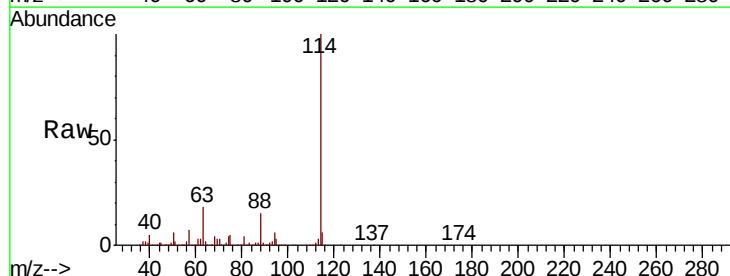
Tgt Ion: 114 Resp: 274509

Ion Ratio Lower Upper

114 100

63 17.9 14.2 21.4

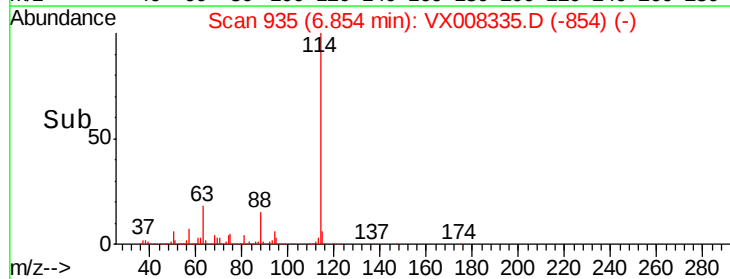
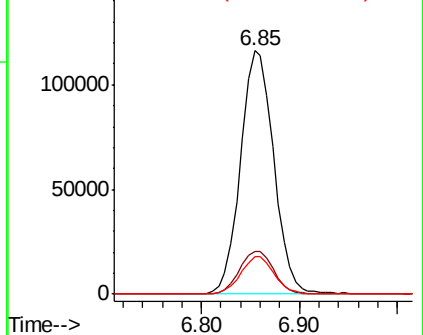
88 15.3 11.9 17.9

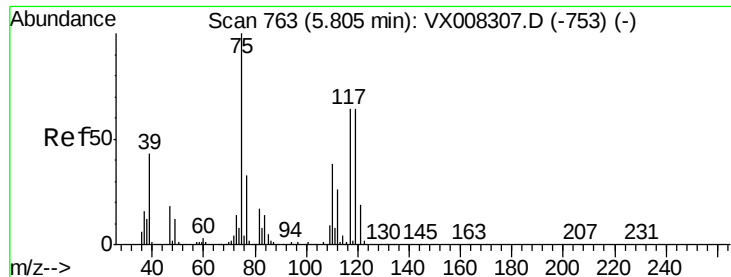


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 19.269 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

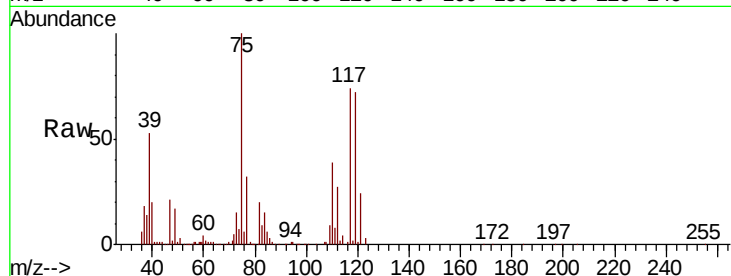
Tgt Ion: 75 Resp: 75126

Ion Ratio Lower Upper

75 100

110 39.9 0.0 80.8

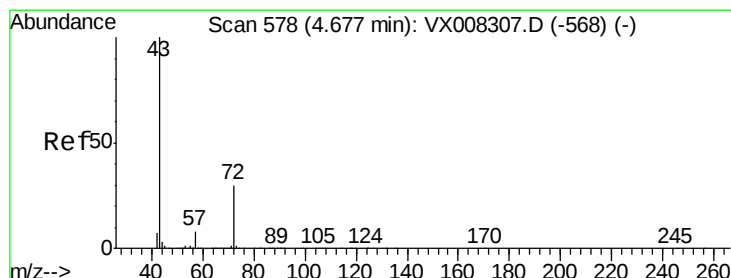
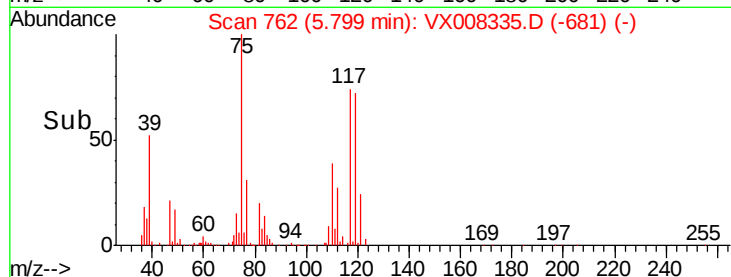
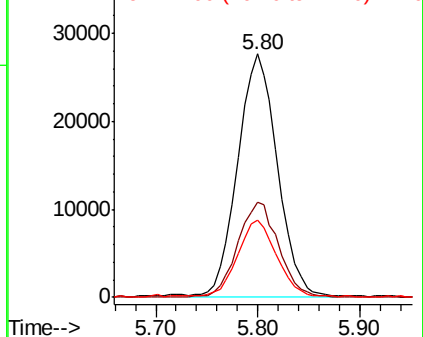
77 30.9 0.0 62.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 87.527 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

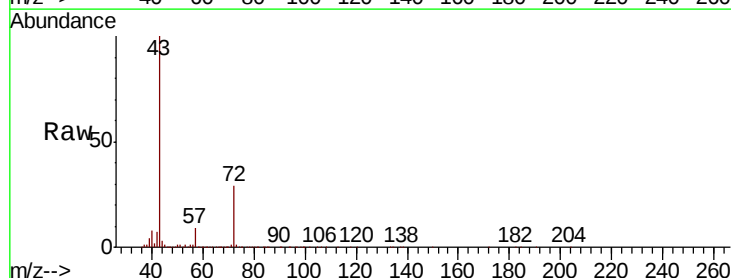
Tgt Ion: 43 Resp: 196558

Ion Ratio Lower Upper

43 100

57 9.0 7.0 10.6

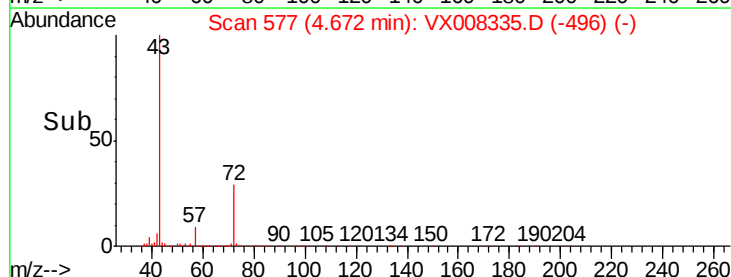
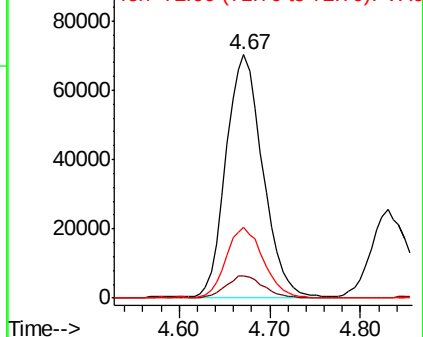
72 28.7 21.5 32.3

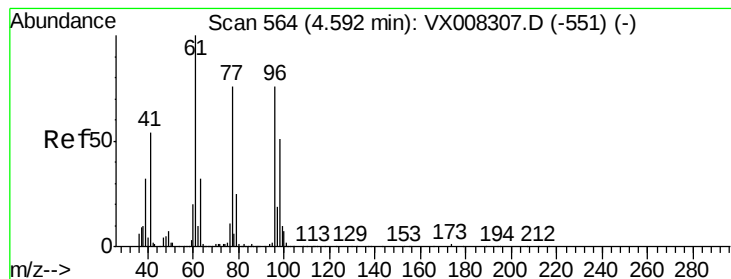


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 19.219 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

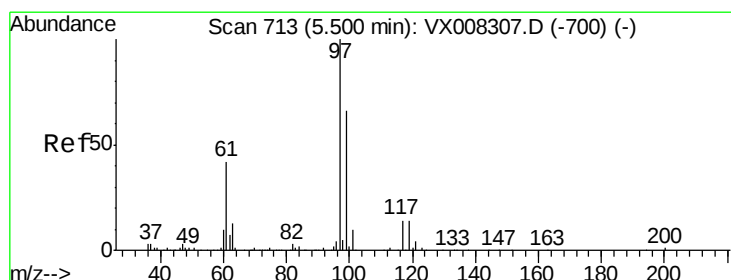
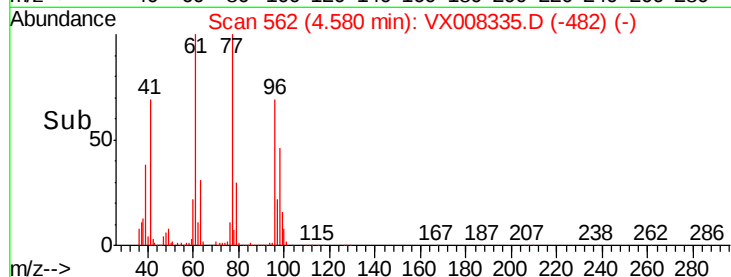
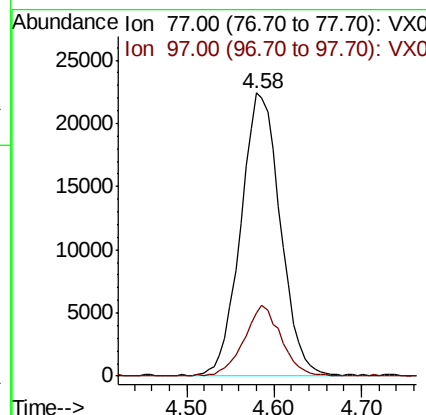
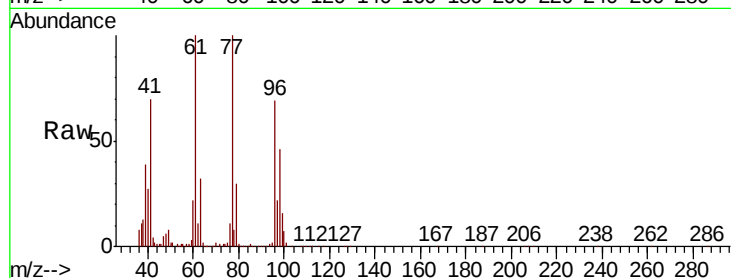
ICVVX032219

Tgt Ion: 77 Resp: 70549

Ion Ratio Lower Upper

77 100

97 23.4 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 19.173 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

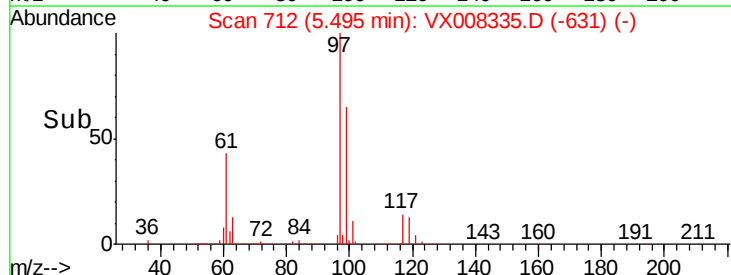
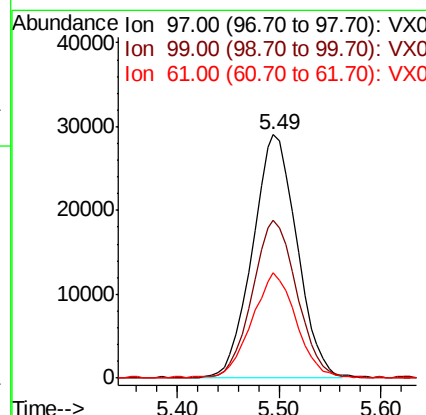
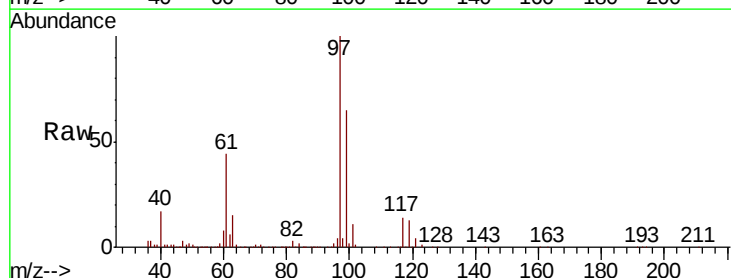
Tgt Ion: 97 Resp: 87958

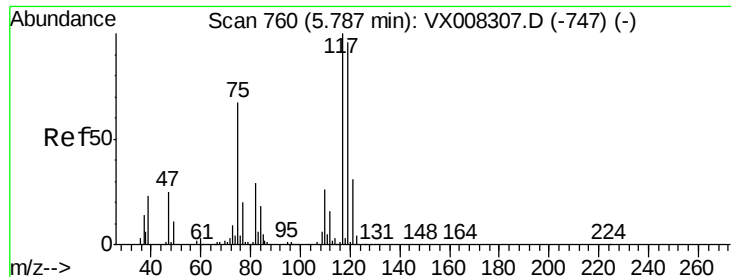
Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

61 42.3 32.8 49.2

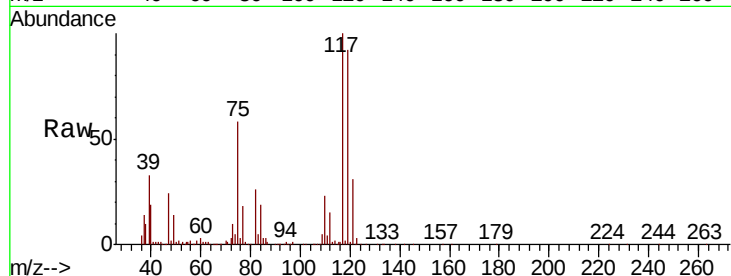




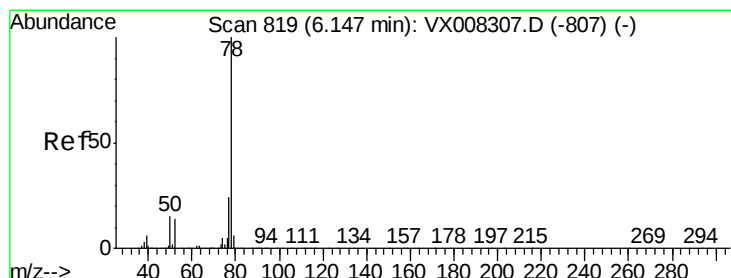
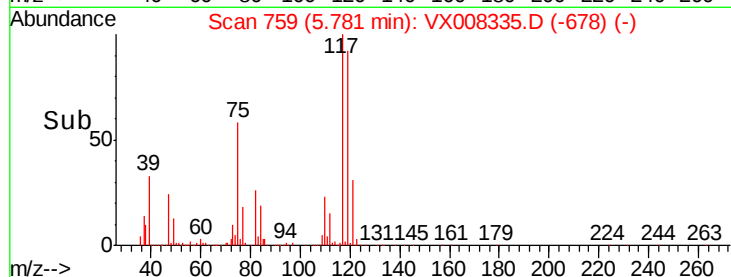
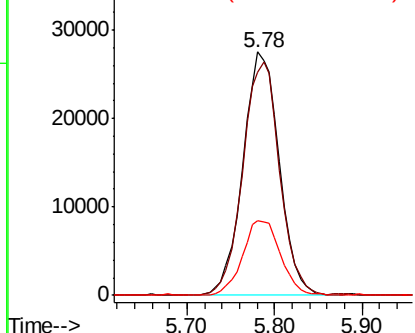
#33
Carbon Tetrachloride
Concen: 18.922 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tgt Ion:117 Resp: 79722
Ion Ratio Lower Upper
117 100
119 91.7 78.1 117.1
121 30.6 27.0 40.6

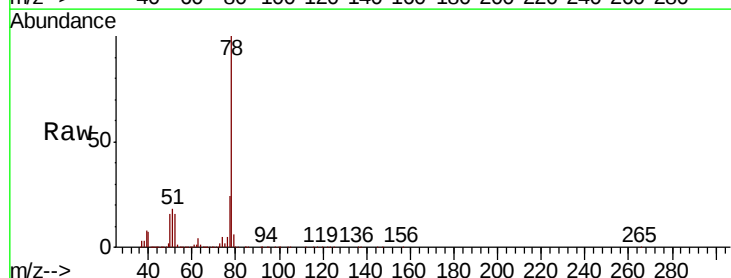


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

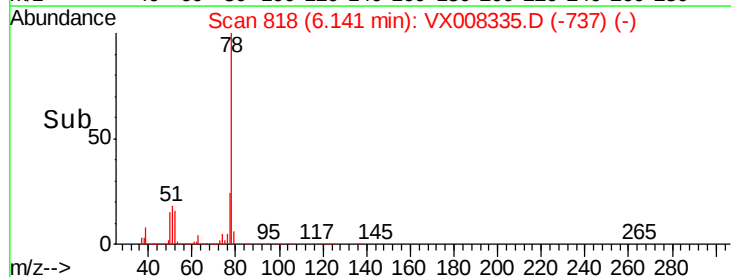
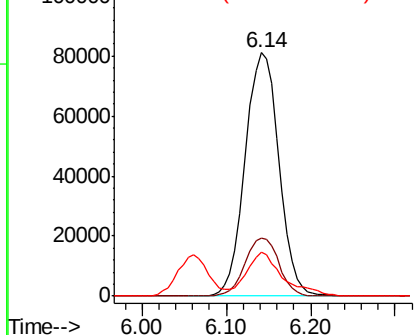


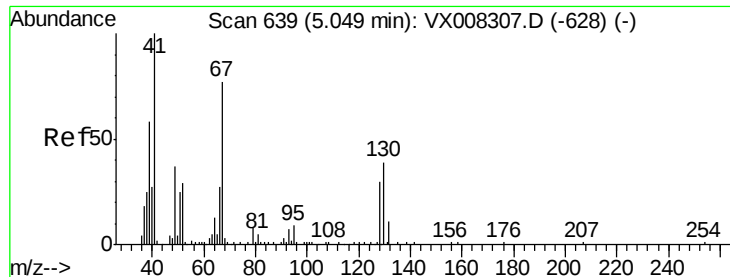
#34
Benzene
Concen: 19.042 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion: 78 Resp: 221151
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7
51 17.6 10.8 16.2#



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

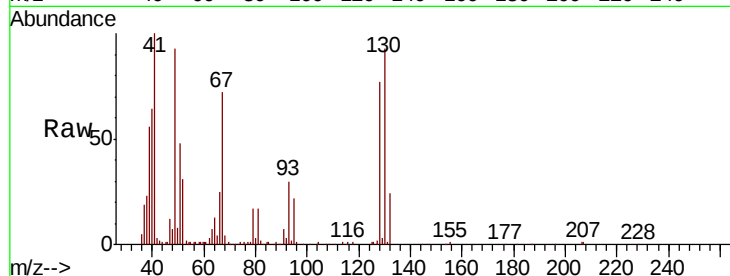




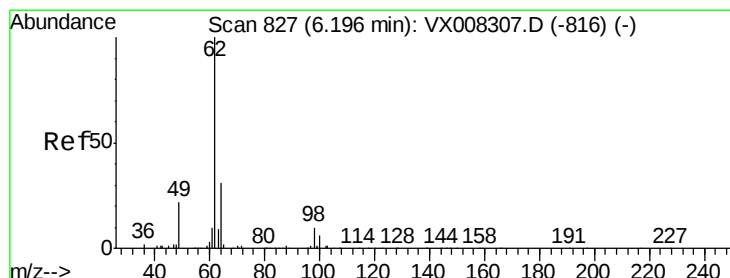
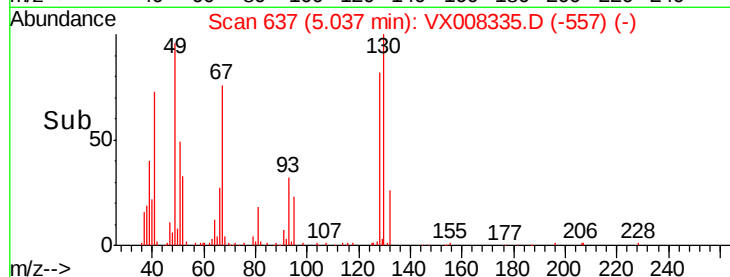
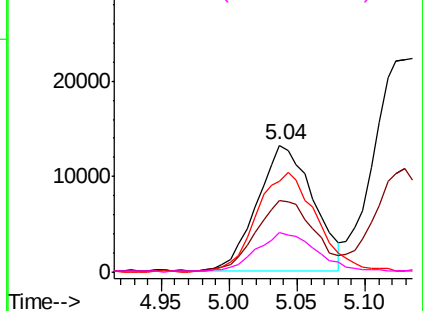
#35
Methacrylonitrile
Concen: 18.216 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tgt Ion:	41	Resp:	38105
Ion	Ratio	Lower	Upper
41	100		
39	55.7	27.4	82.0
67	71.3	37.9	113.6
52	30.7	13.3	39.9

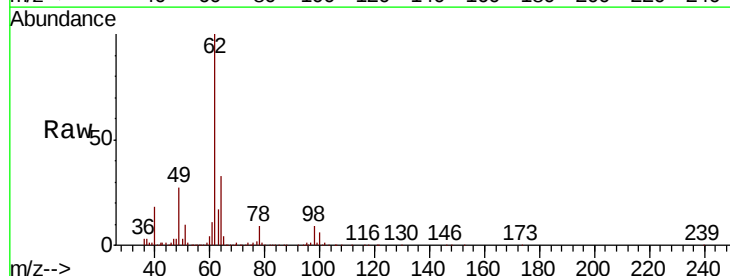


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

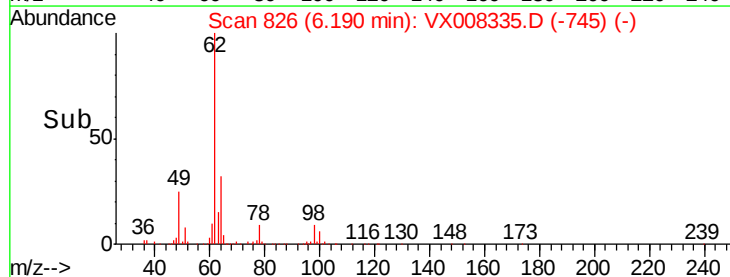
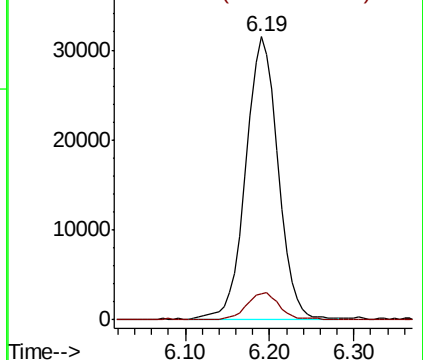


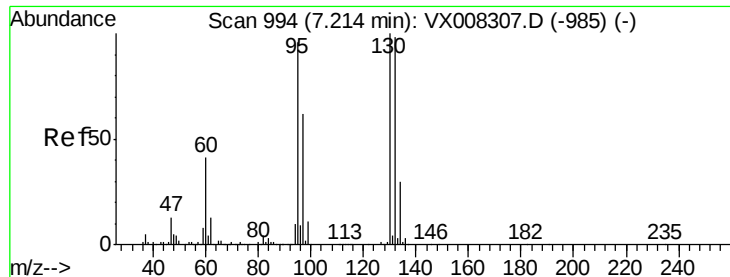
#36
1,2-Dichloroethane
Concen: 18.981 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion:	62	Resp:	81253
Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.8	11.8



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 19.213 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

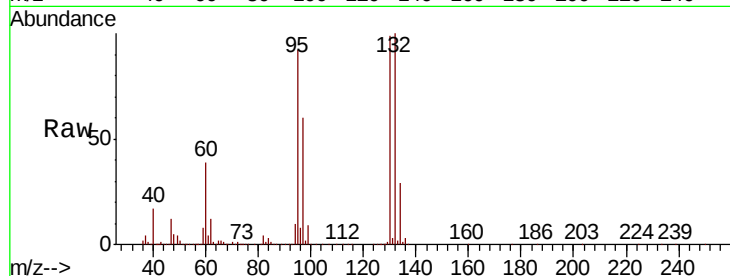
ICVVX032219

Tgt Ion:130 Resp: 65606

Ion Ratio Lower Upper

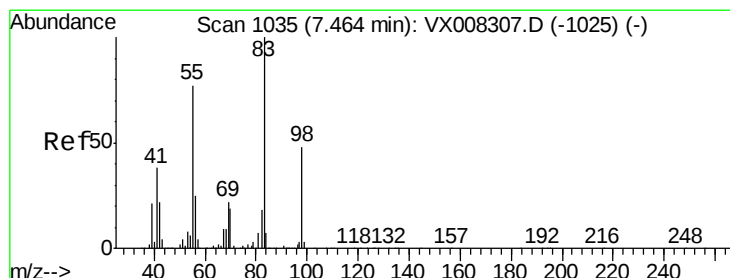
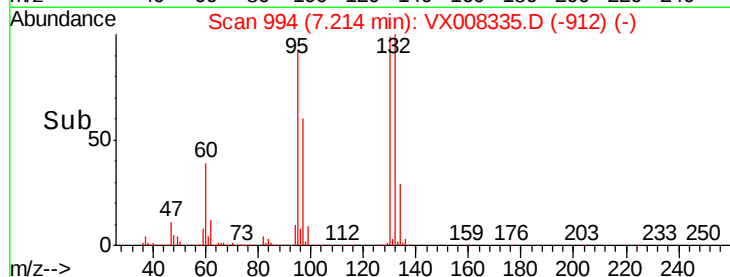
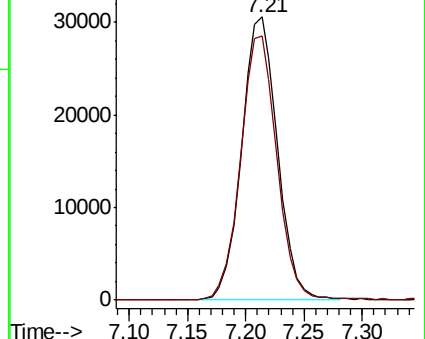
130 100

95 93.1 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.970 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

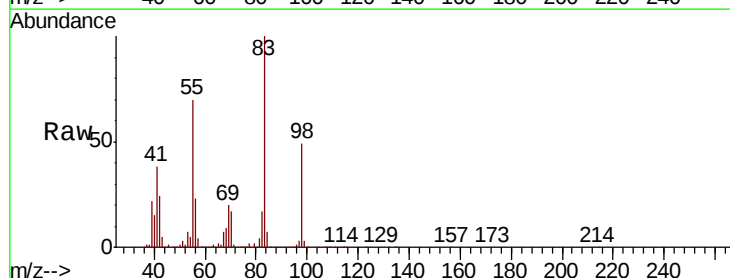
Tgt Ion: 83 Resp: 97583

Ion Ratio Lower Upper

83 100

55 71.2 36.0 108.0

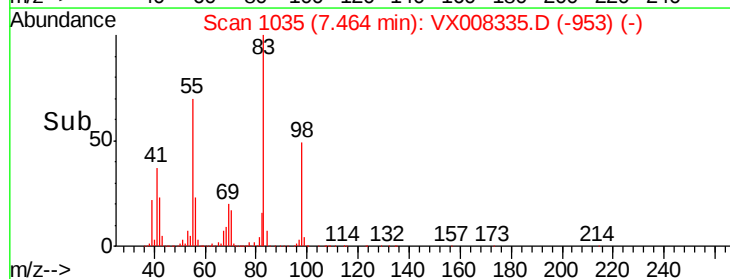
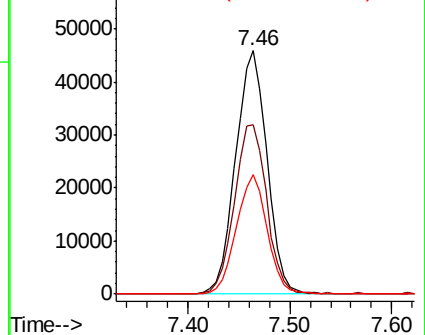
98 48.4 23.8 71.4

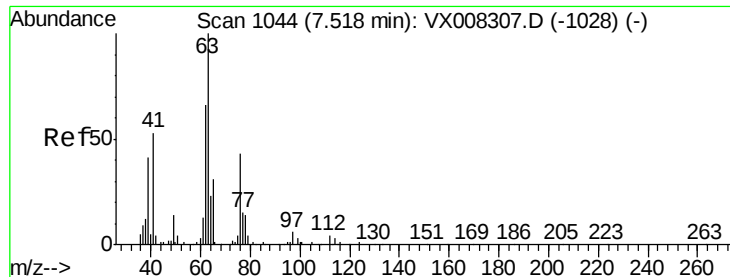


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 19.150 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

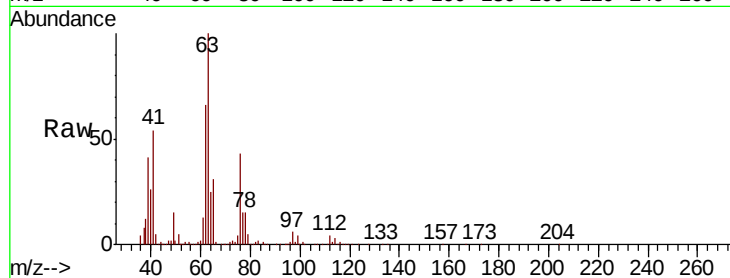
ICVVX032219

Tgt Ion: 63 Resp: 56592

Ion Ratio Lower Upper

63 100

65 30.3 24.6 37.0



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

7.51

30000

25000

20000

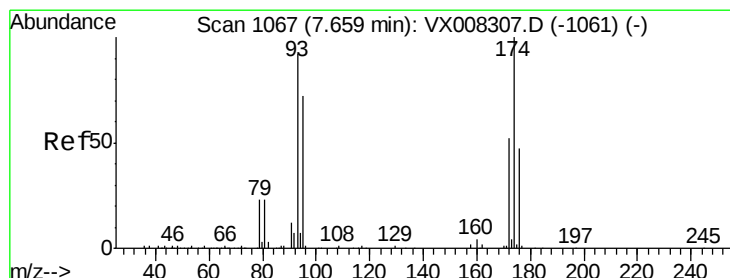
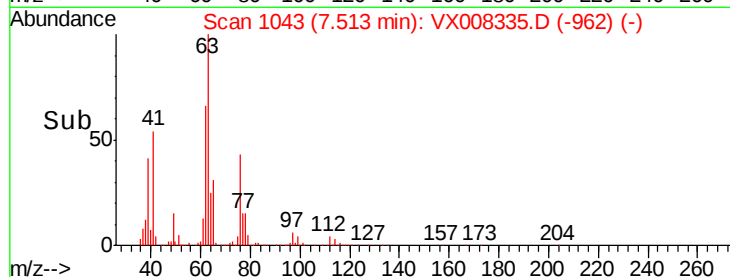
15000

10000

5000

0

Time-->



#40

Dibromomethane

Concen: 19.025 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

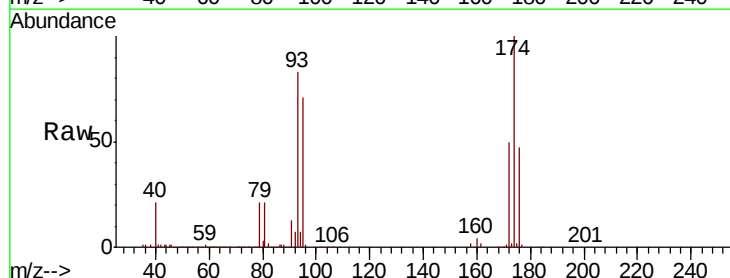
Tgt Ion: 93 Resp: 41236

Ion Ratio Lower Upper

93 100

95 84.6 0.0 158.8

174 118.6 0.0 224.2



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

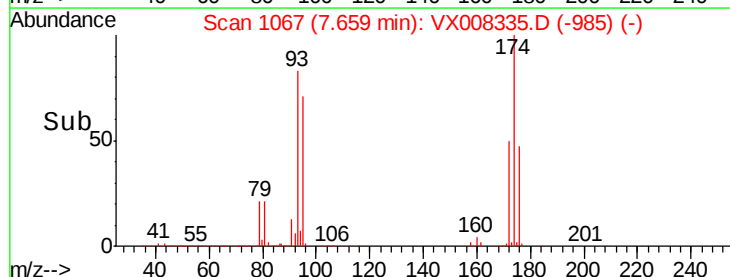
30000

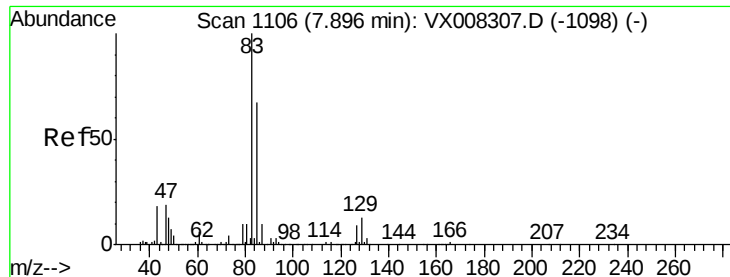
20000

10000

0

Time-->





#41

Bromodichloromethane

Concen: 18.857 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

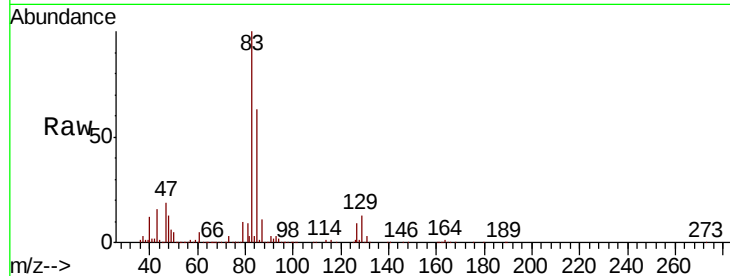
Tgt Ion: 83 Resp: 77554

Ion Ratio Lower Upper

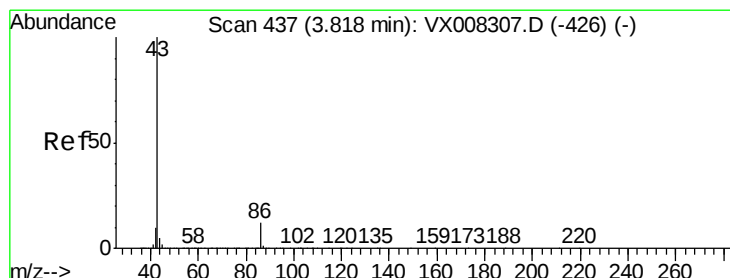
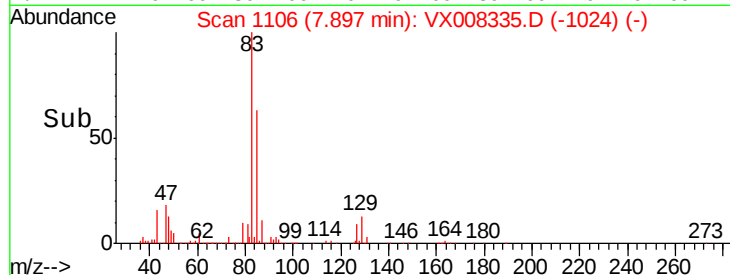
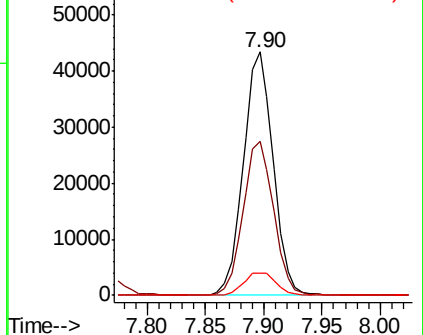
83 100

85 62.9 51.1 76.7

127 9.2 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 93.888 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008335.D

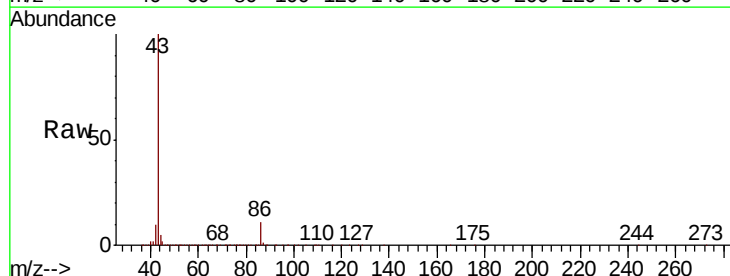
Acq: 22 Mar 2019 13:19

Tgt Ion: 43 Resp: 708671

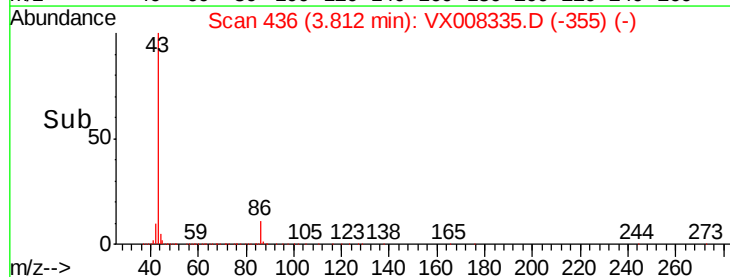
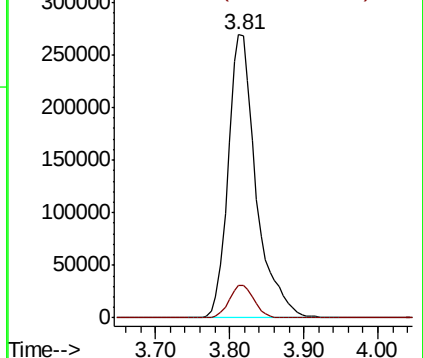
Ion Ratio Lower Upper

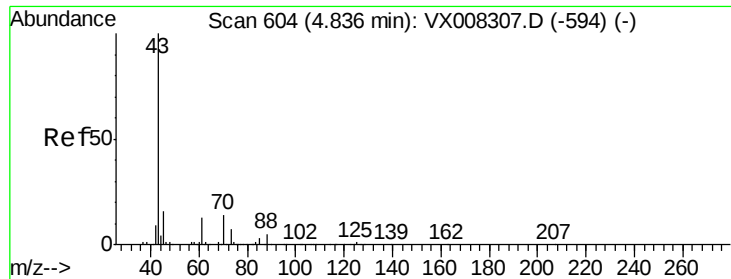
43 100

86 10.5 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

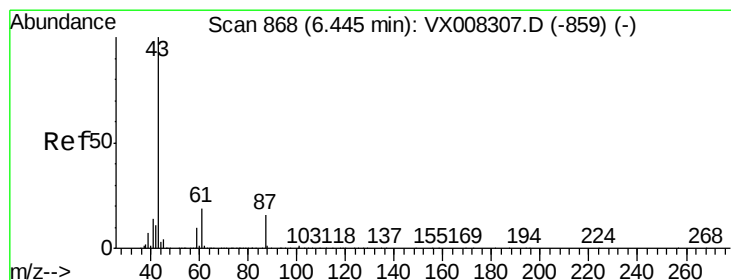
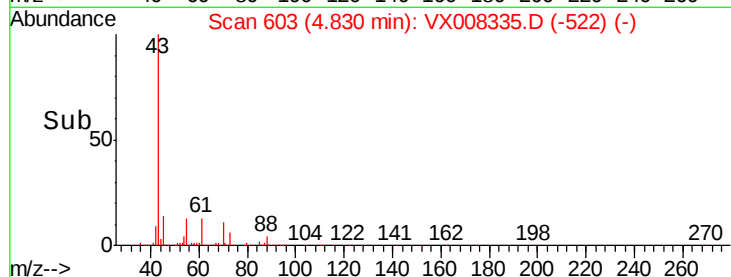
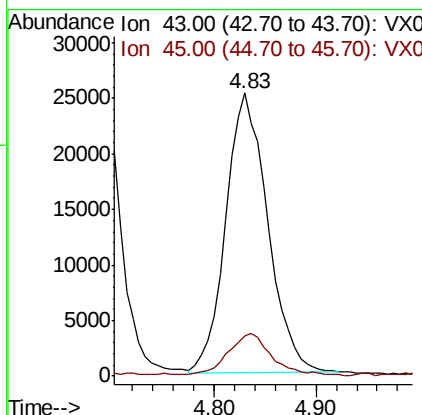
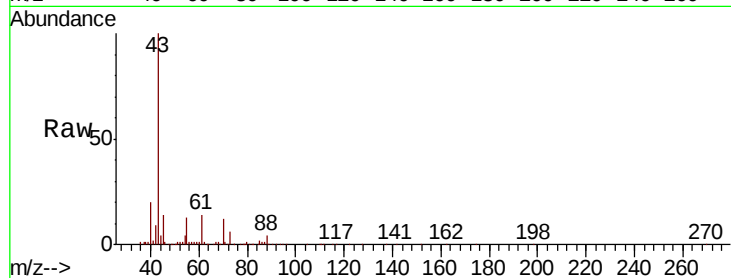




#43
Ethyl Acetate
Concen: 18.146 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

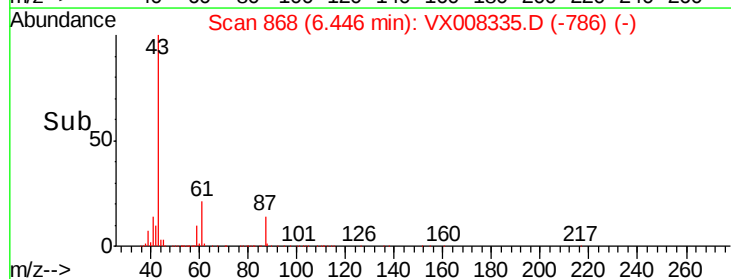
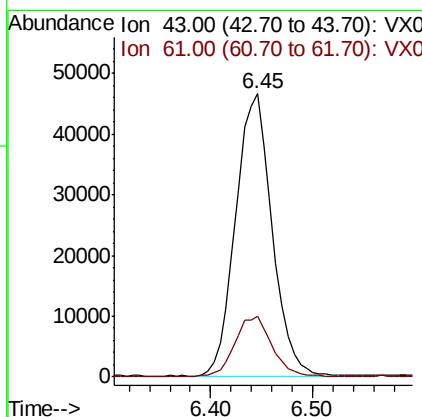
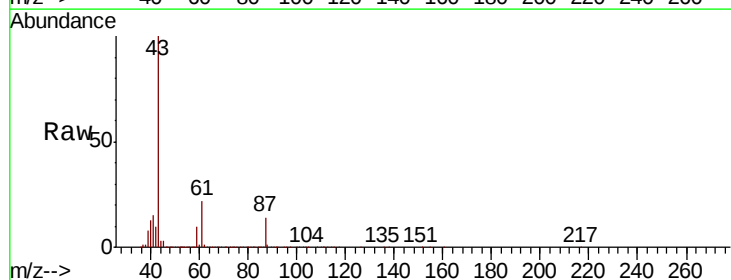
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

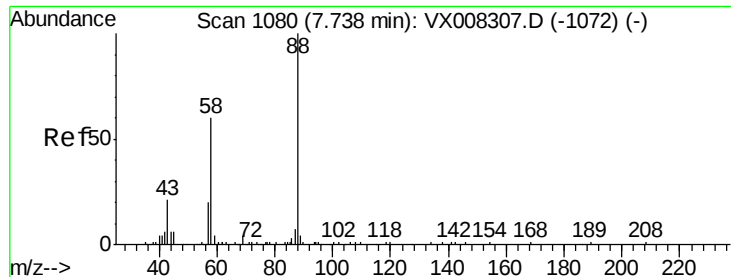
Tgt Ion: 43 Resp: 71931
Ion Ratio Lower Upper
43 100
45 14.8 6.9 10.3#



#44
Isopropyl Acetate
Concen: 18.491 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion: 43 Resp: 115353
Ion Ratio Lower Upper
43 100
61 21.4 16.1 24.1

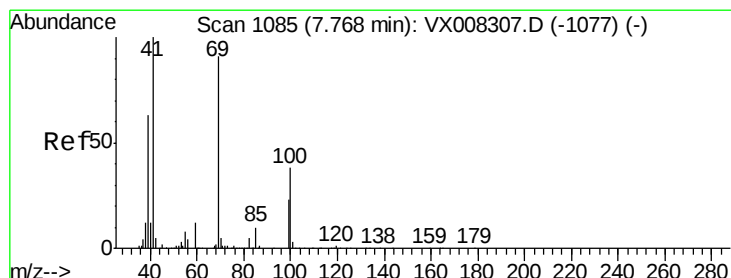
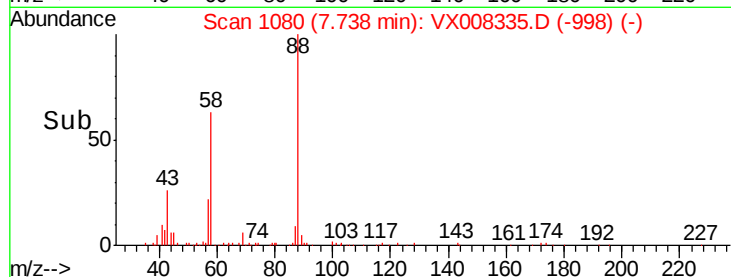
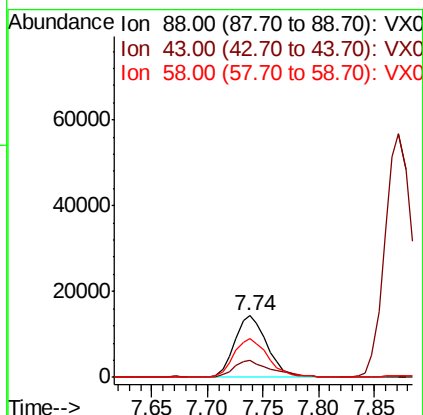
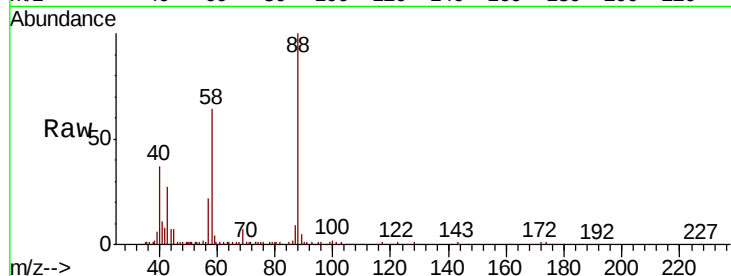




#45
1,4-Dioxane
Concen: 369.432 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

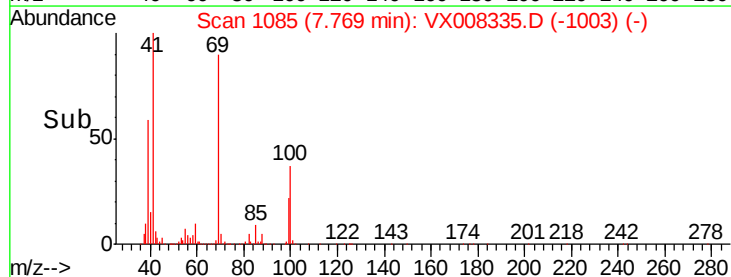
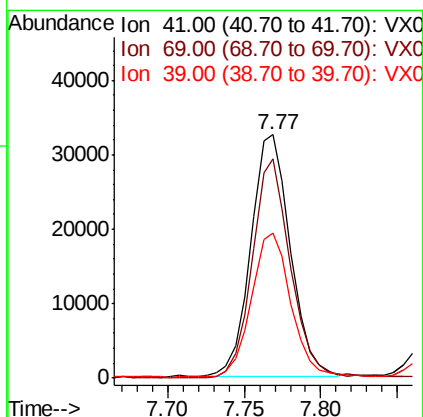
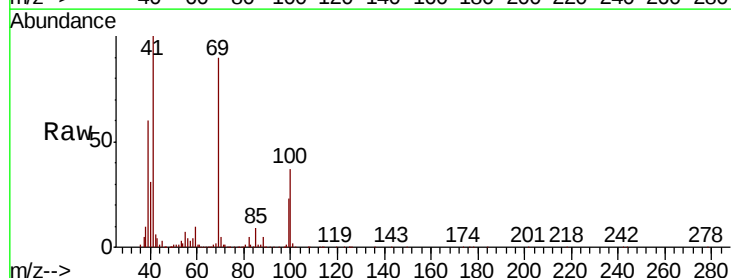
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

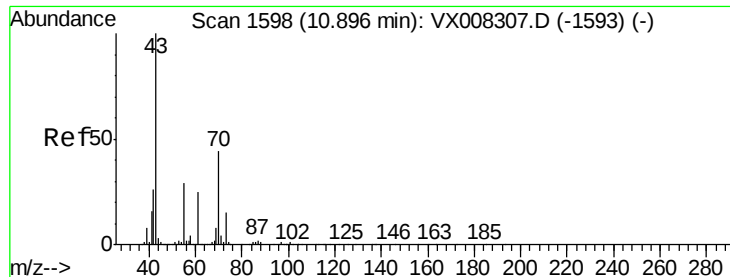
Tgt Ion: 88 Resp: 28987
Ion Ratio Lower Upper
88 100
43 29.7 23.6 35.4
58 65.4 51.6 77.4



#46
Methyl methacrylate
Concen: 19.067 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion: 41 Resp: 58365
Ion Ratio Lower Upper
41 100
69 90.4 44.2 132.6
39 59.6 29.9 89.8





#47

n-amy1 Acetate

Concen: 18.498 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

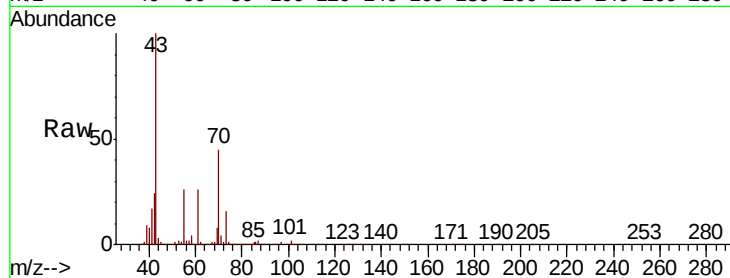
ICVVX032219

Tgt Ion: 43 Resp: 98935

Ion Ratio Lower Upper

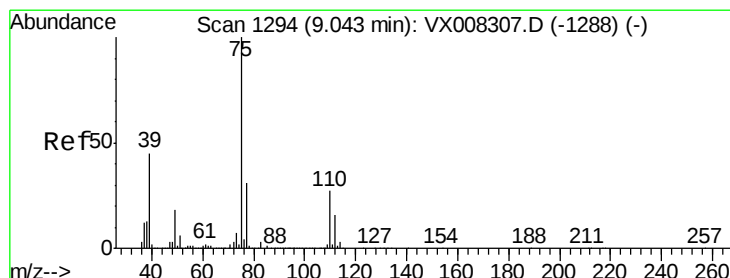
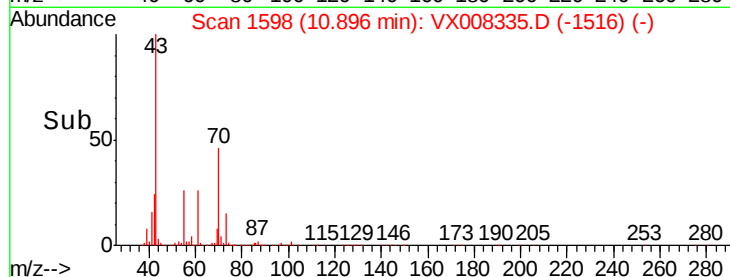
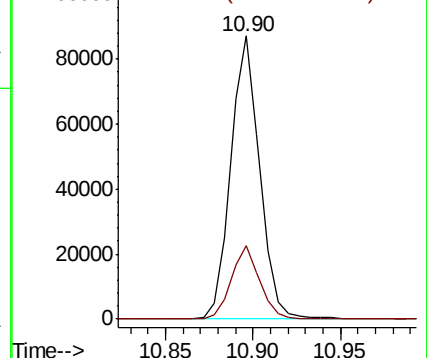
43 100

55 25.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 18.894 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008335.D

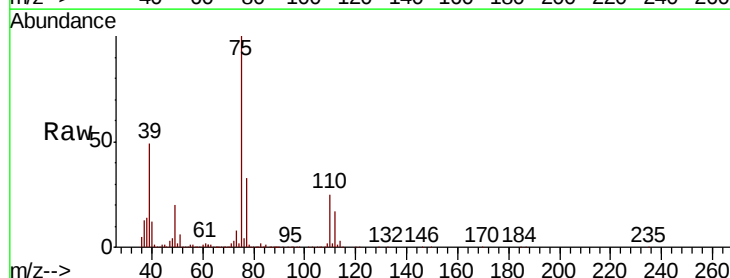
Acq: 22 Mar 2019 13:19

Tgt Ion: 75 Resp: 77801

Ion Ratio Lower Upper

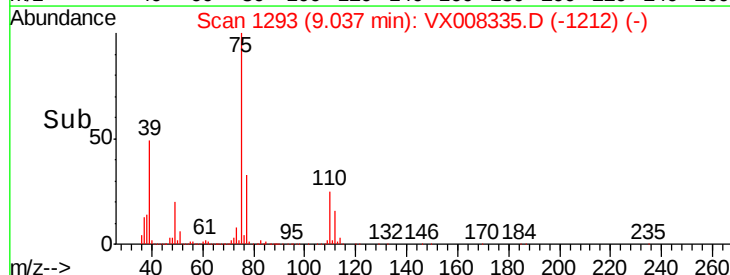
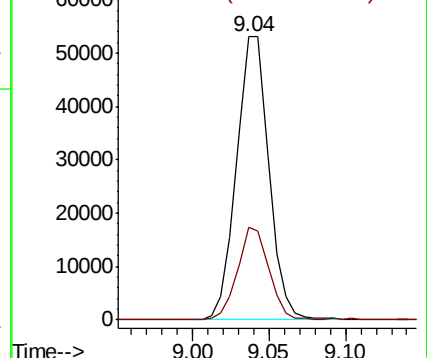
75 100

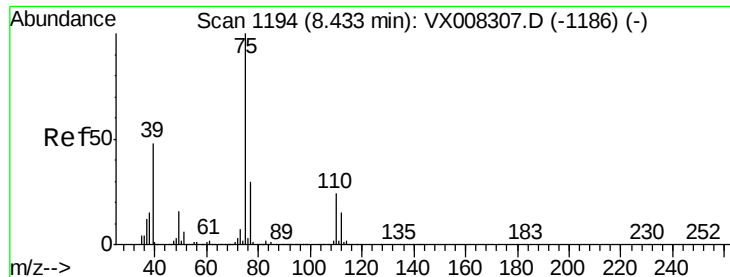
77 32.7 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



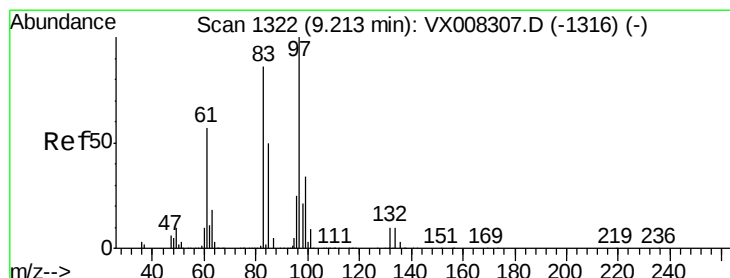
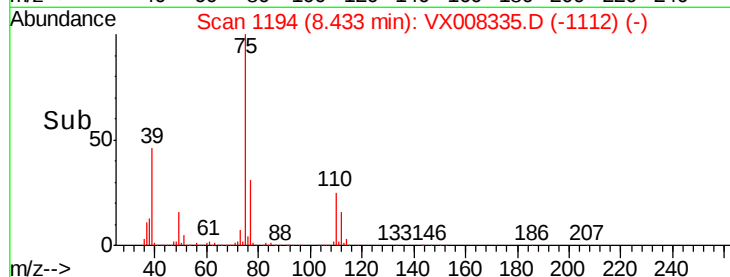
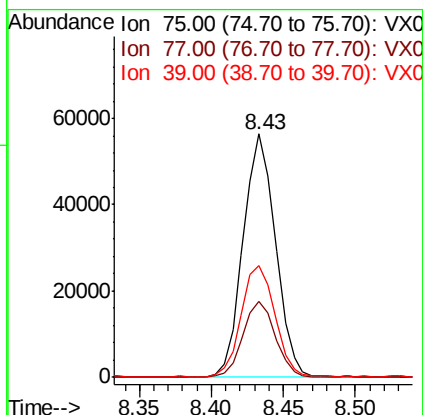
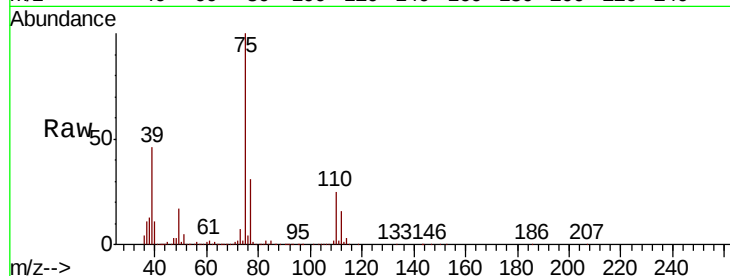


#49

cis-1,3-Dichloropropene
Concen: 19.180 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

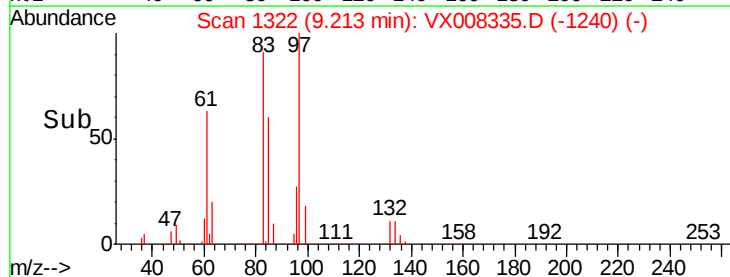
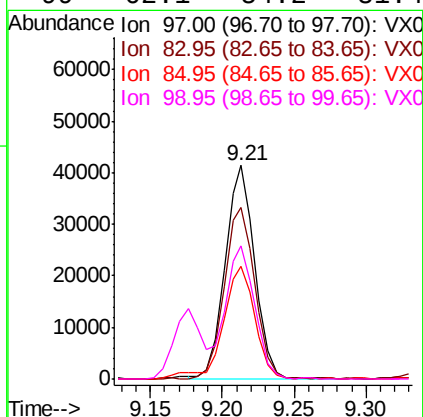
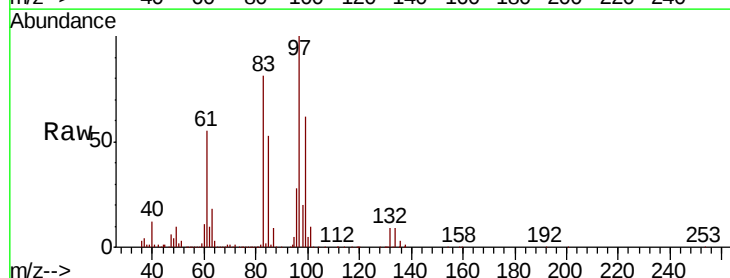
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	45.8	38.5	57.7

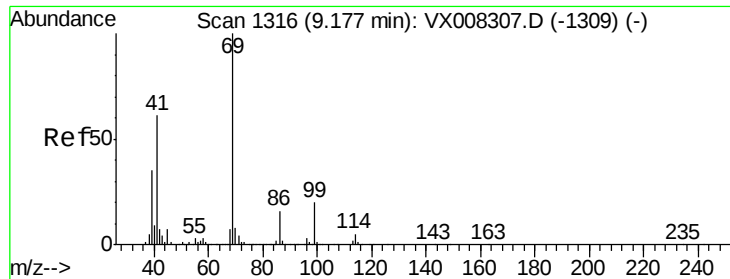


#50

1,1,2-Trichloroethane
Concen: 19.112 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.6	72.0	108.0
85	52.6	45.0	67.6
99	62.1	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.524 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

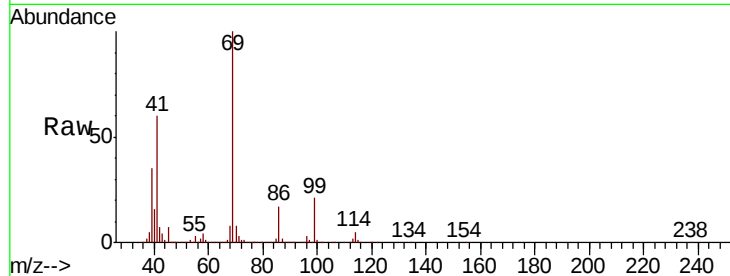
Tgt Ion: 69 Resp: 88750

Ion Ratio Lower Upper

69 100

41 59.3 32.1 96.5

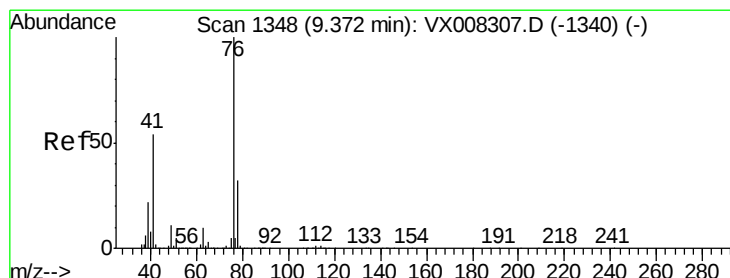
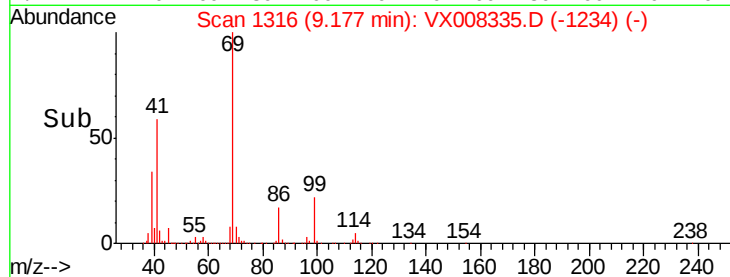
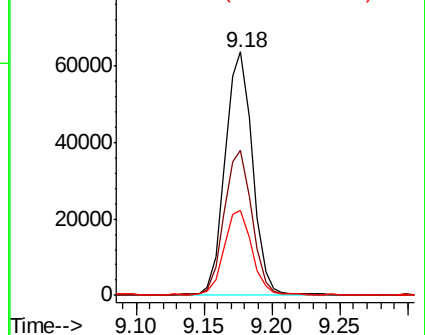
39 34.7 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.093 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008335.D

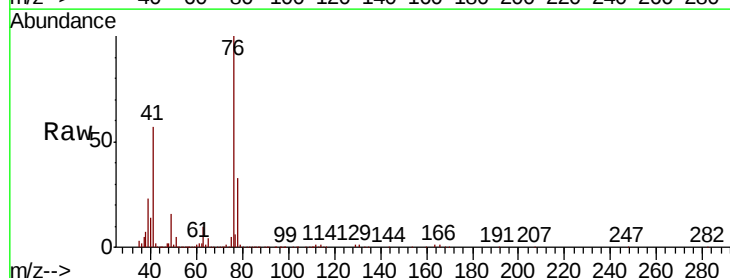
Acq: 22 Mar 2019 13:19

Tgt Ion: 76 Resp: 95343

Ion Ratio Lower Upper

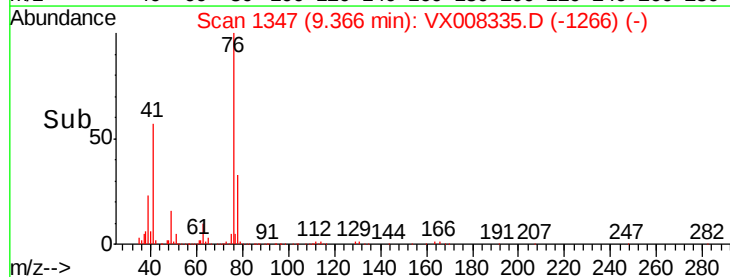
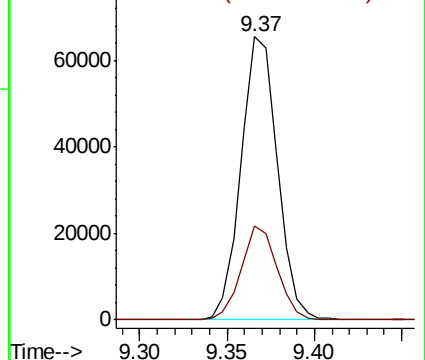
76 100

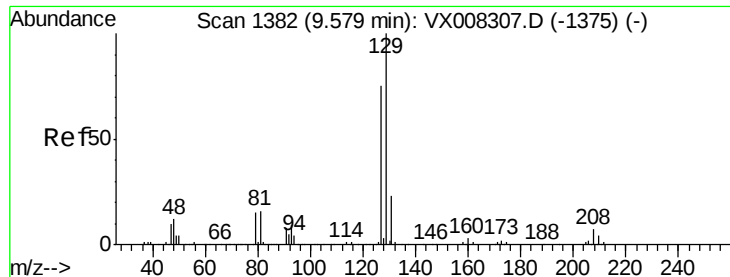
78 32.8 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.033 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

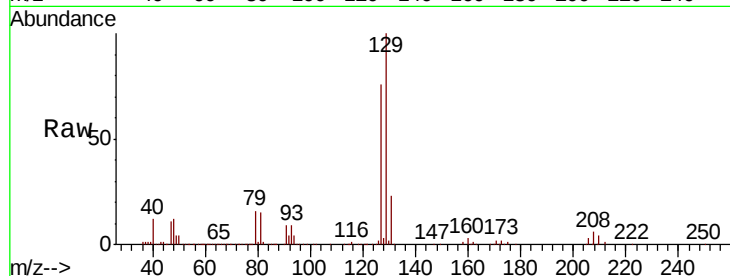
ICVVX032219

Tgt Ion:129 Resp: 66804

Ion Ratio Lower Upper

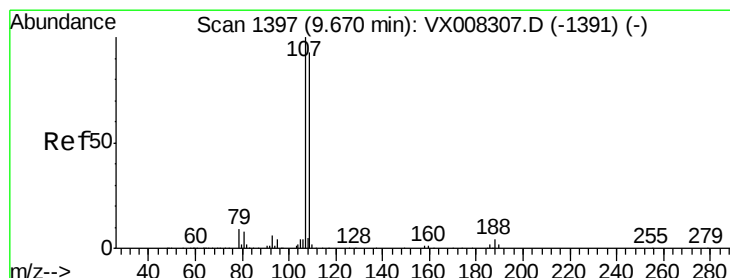
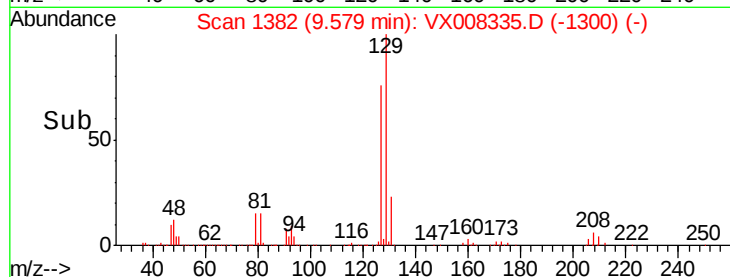
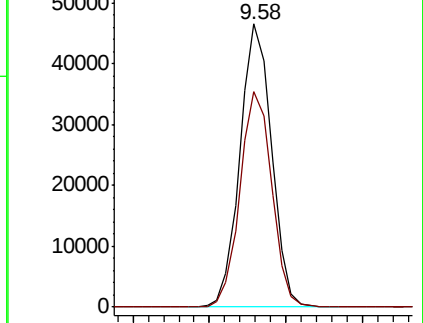
129 100

127 76.6 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.078 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008335.D

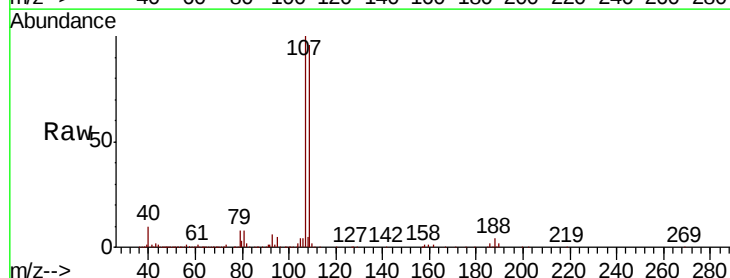
Acq: 22 Mar 2019 13:19

Tgt Ion:107 Resp: 65175

Ion Ratio Lower Upper

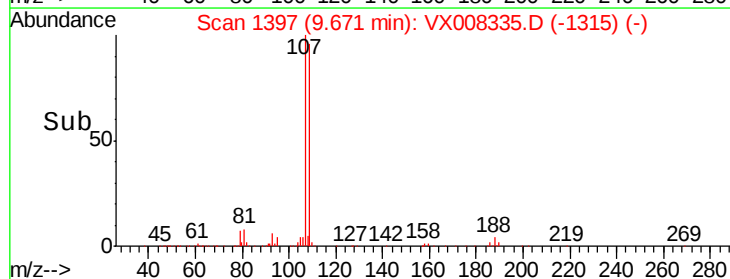
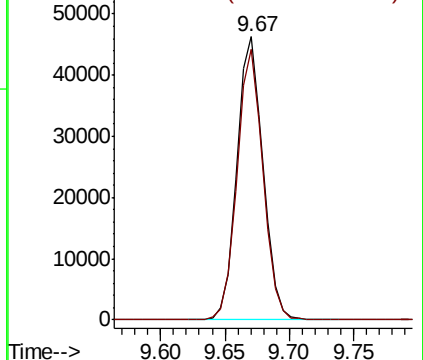
107 100

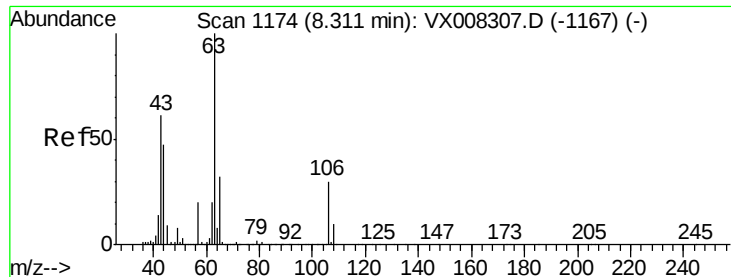
109 94.6 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

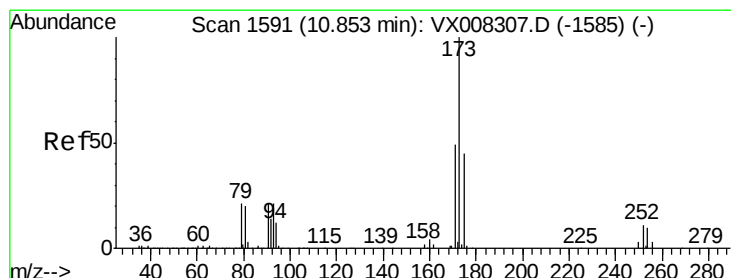
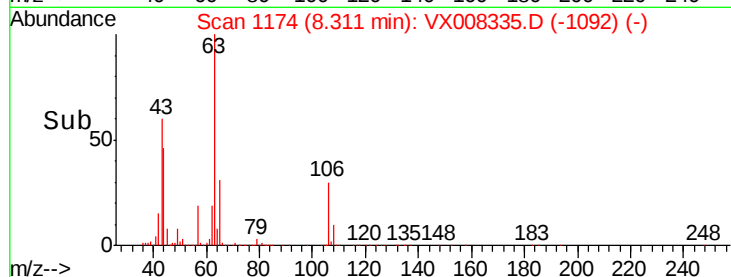
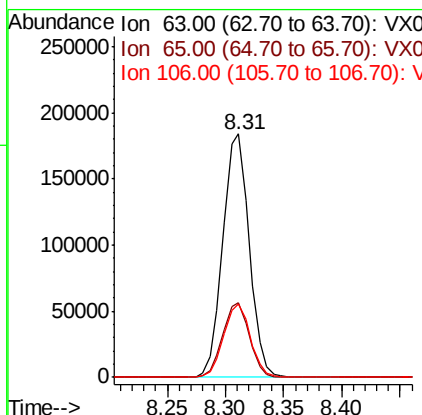
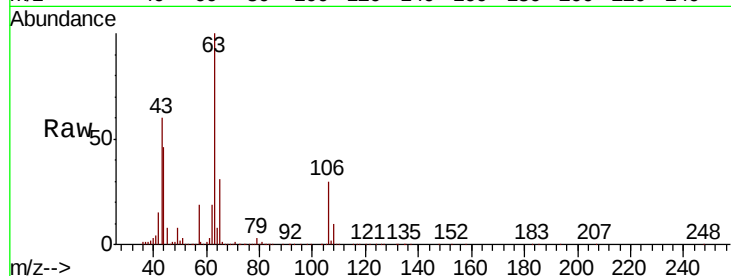




#55
 2-Chloroethyl vinyl ether
 Concen: 126.267 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

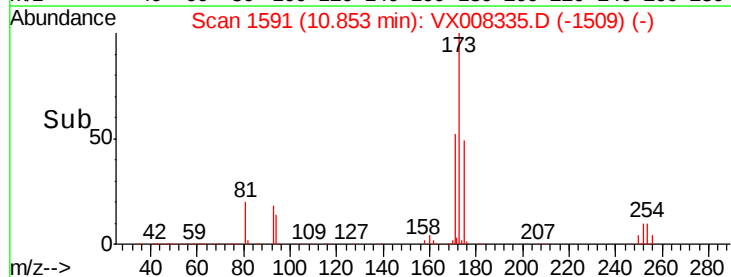
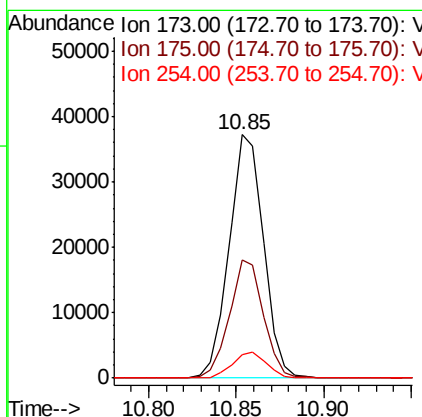
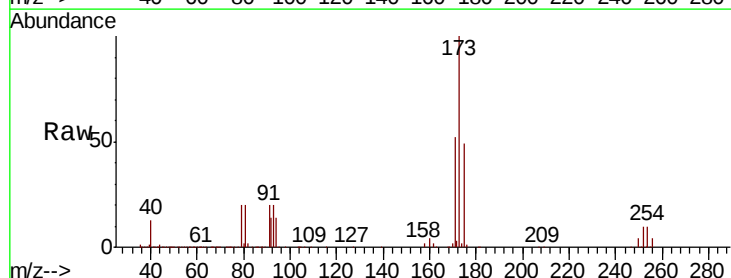
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

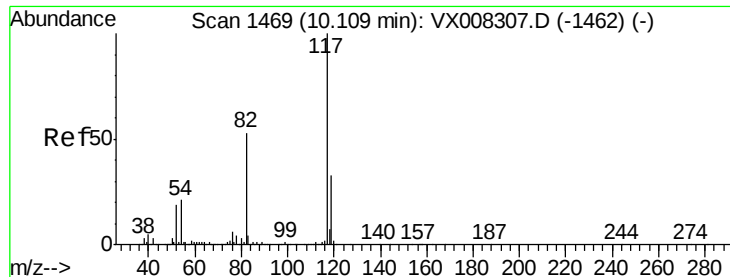
Tgt Ion: 63 Resp: 288779
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.7 38.5
 106 30.5 23.7 35.5



#56
 Bromoform
 Concen: 18.394 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion: 173 Resp: 50969
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.5 57.7
 254 10.6 7.4 11.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

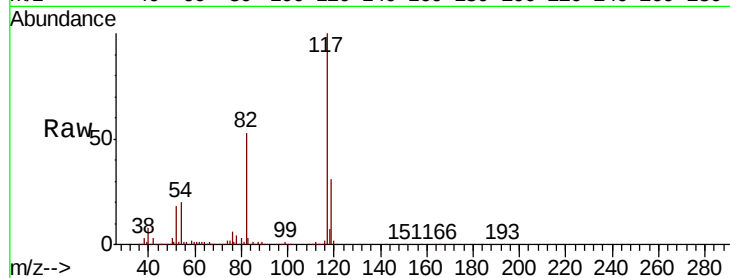
Tgt Ion: 117 Resp: 239661

Ion Ratio Lower Upper

117 100

82 53.0 40.4 60.6

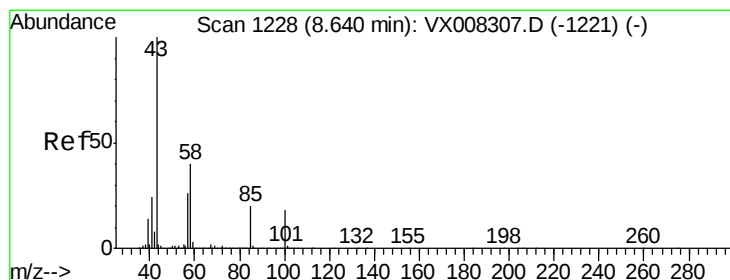
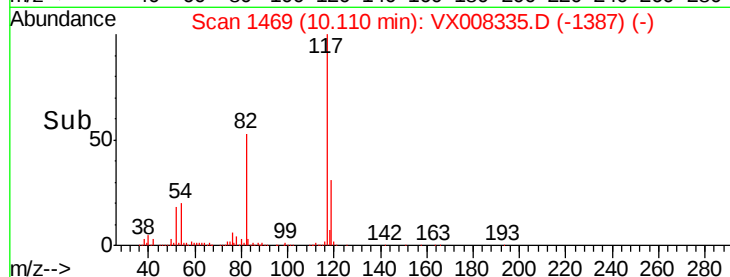
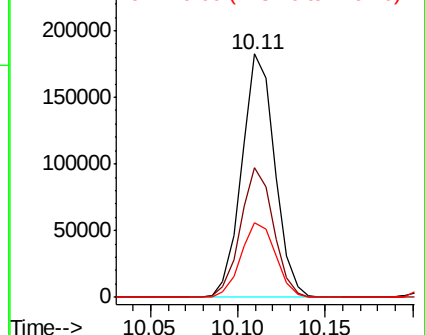
119 32.2 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 92.852 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

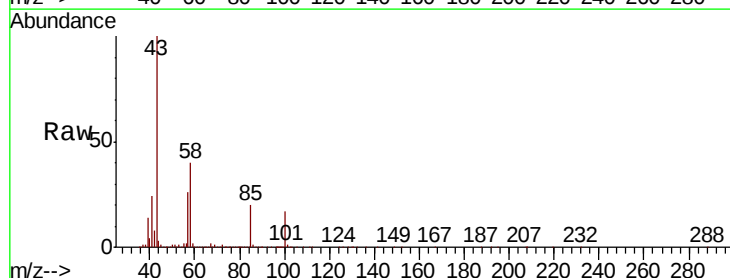
Tgt Ion: 43 Resp: 374676

Ion Ratio Lower Upper

43 100

58 41.2 31.4 47.0

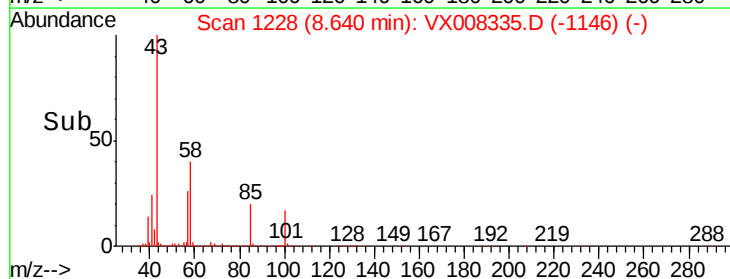
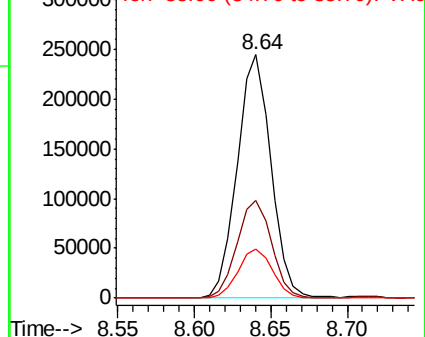
85 20.8 15.0 22.6

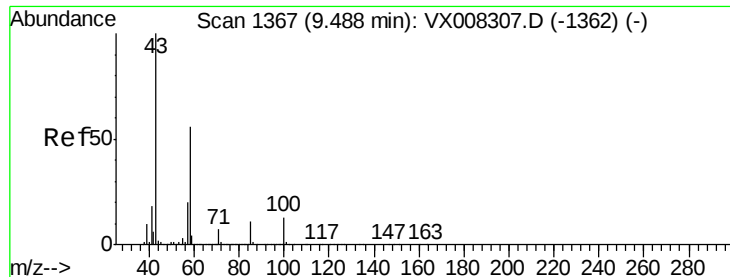


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

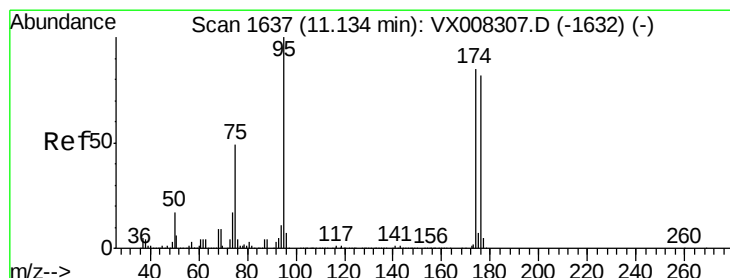
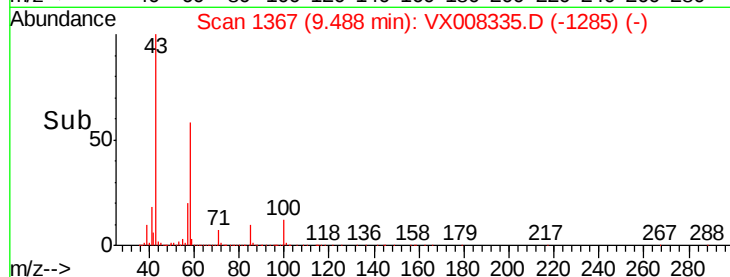
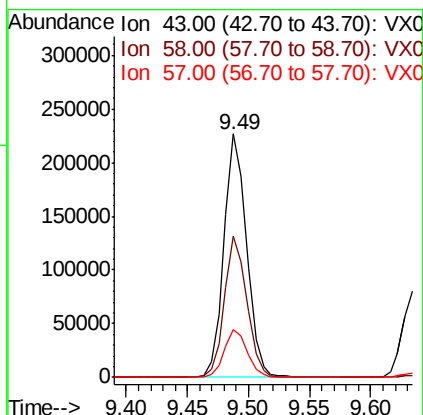
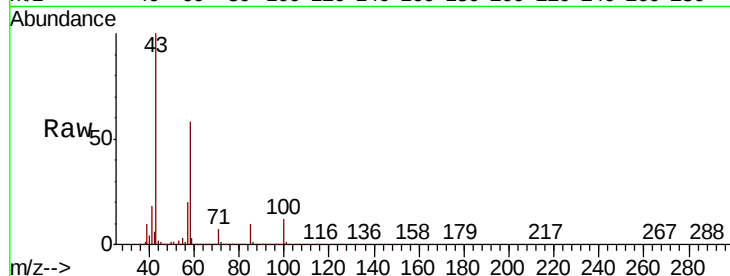




#59
2-Hexanone
Concen: 91.395 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

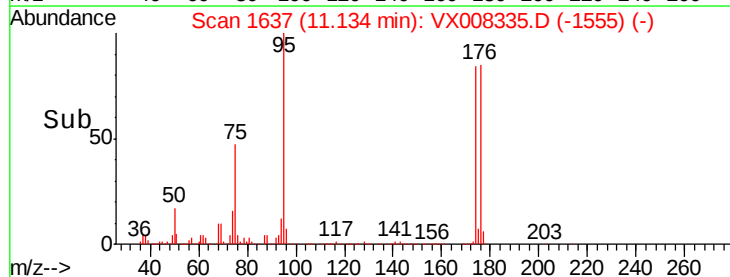
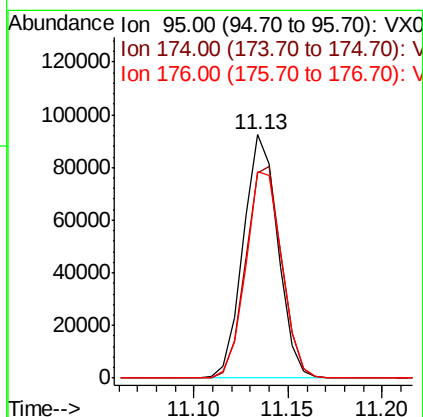
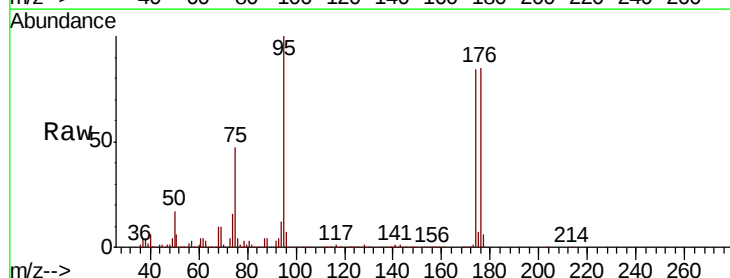
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

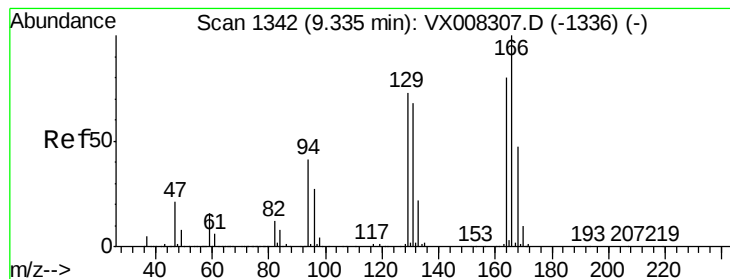
Tgt Ion: 43 Resp: 291732
Ion Ratio Lower Upper
43 100
58 57.2 43.9 65.9
57 19.7 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 30.217 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion: 95 Resp: 117880
Ion Ratio Lower Upper
95 100
174 90.2 74.9 112.3
176 88.1 70.7 106.1





#61

Tetrachloroethene

Concen: 19.426 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

Tgt Ion:164 Resp: 62671

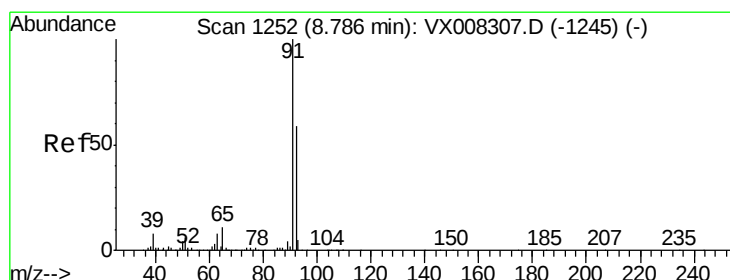
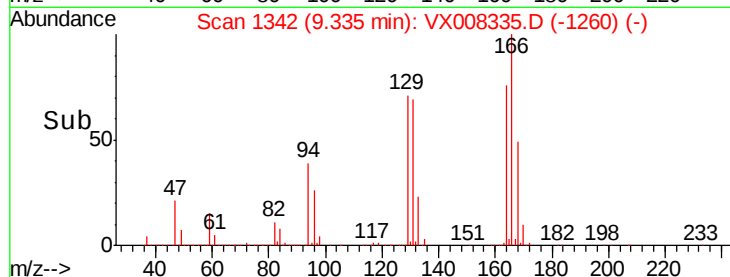
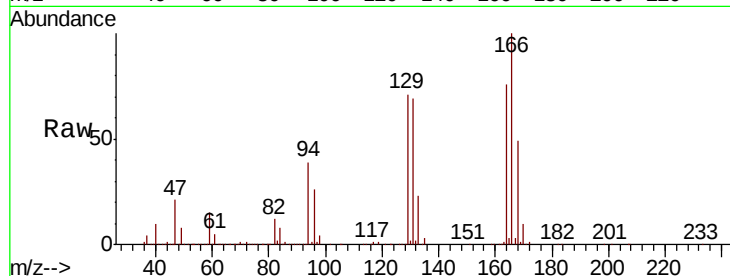
Ion Ratio Lower Upper

164 100

166 132.2 103.9 155.9

129 93.4 74.7 112.1

131 91.2 71.7 107.5



#62

Toluene

Concen: 18.909 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008335.D

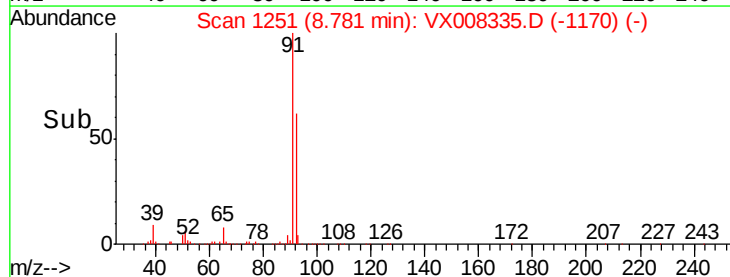
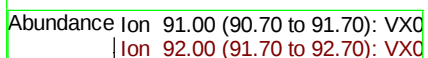
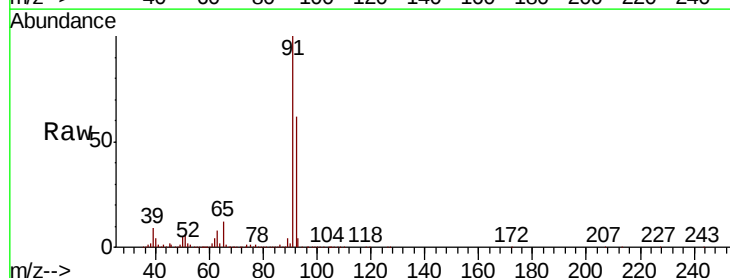
Acq: 22 Mar 2019 13:19

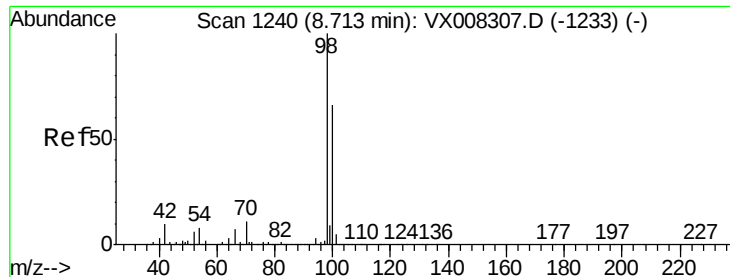
Tgt Ion: 91 Resp: 240548

Ion Ratio Lower Upper

91 100

92 60.0 46.4 69.6





#63

Toluene-d8

Concen: 29.748 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

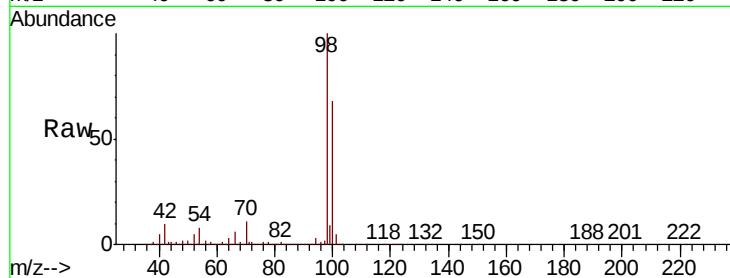
ICVVX032219

Tgt Ion: 98 Resp: 321217

Ion Ratio Lower Upper

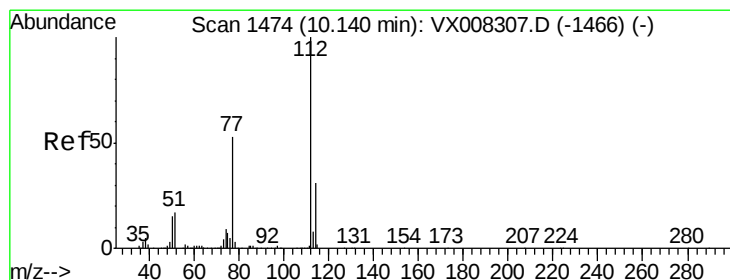
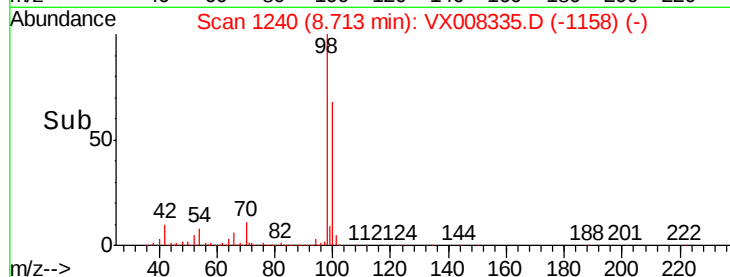
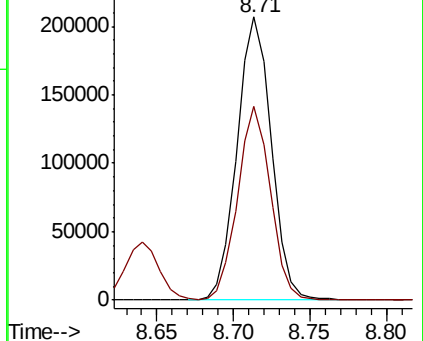
98 100

100 65.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 19.259 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008335.D

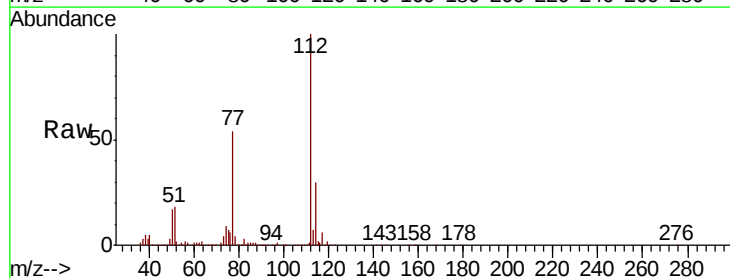
Acq: 22 Mar 2019 13:19

Tgt Ion: 112 Resp: 157944

Ion Ratio Lower Upper

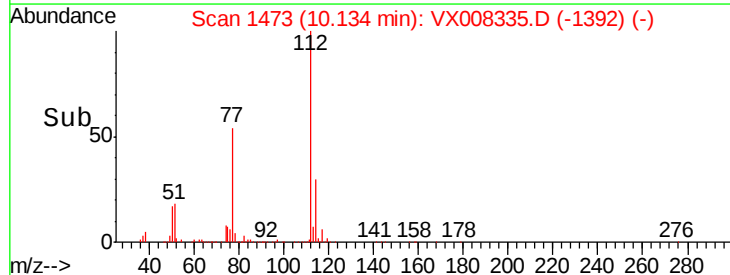
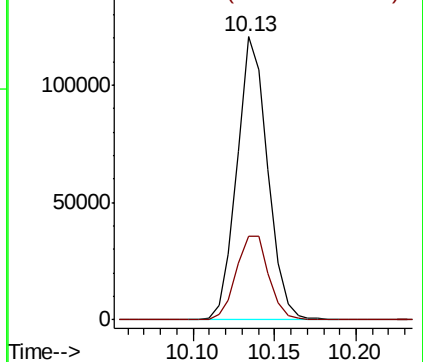
112 100

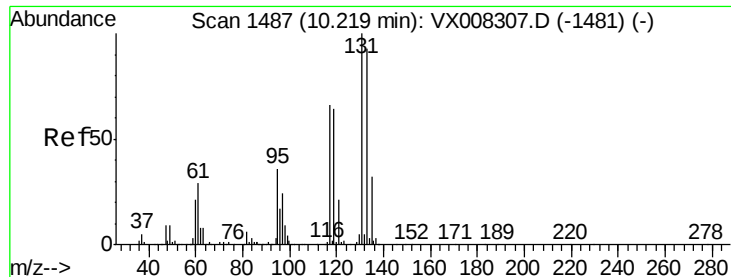
114 29.7 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

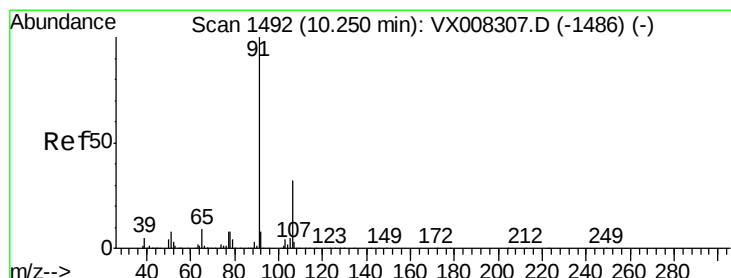
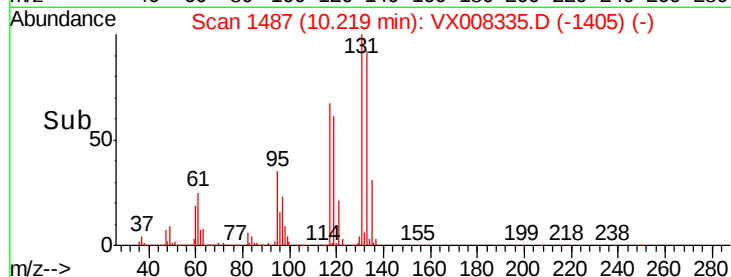
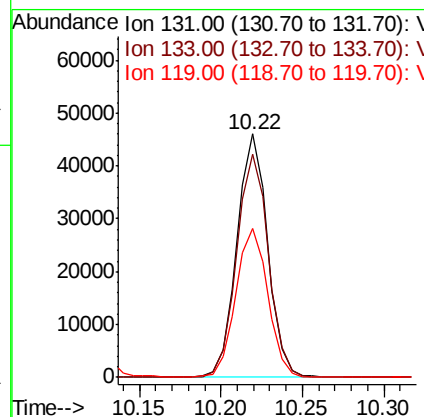
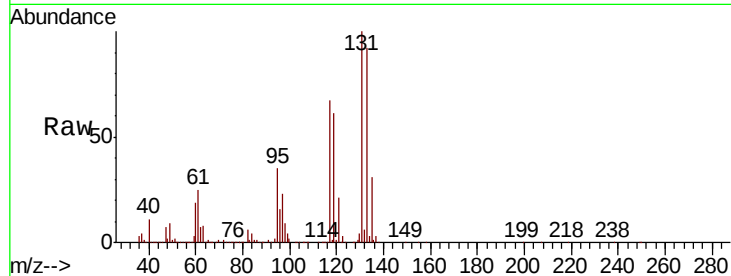




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.293 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

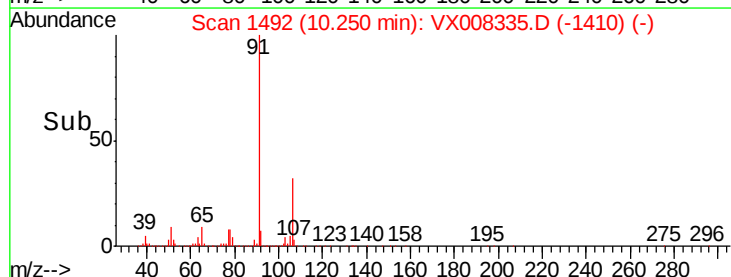
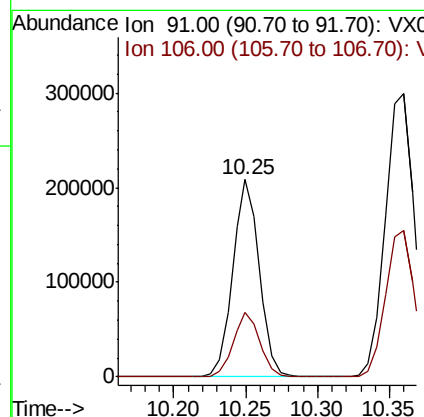
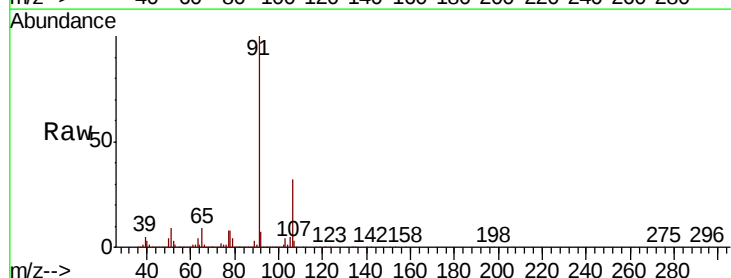
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

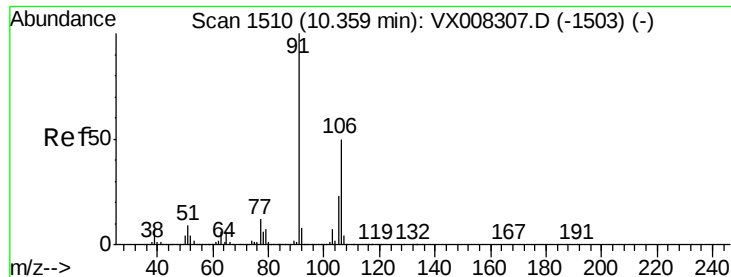
Tgt Ion: 131 Resp: 60432
 Ion Ratio Lower Upper
 131 100
 133 94.4 0.0 191.6
 119 63.9 0.0 127.4



#66
 Ethyl Benzene
 Concen: 19.584 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion: 91 Resp: 269436
 Ion Ratio Lower Upper
 91 100
 106 32.4 26.0 39.0





#67

m/p-Xylenes

Concen: 38.889 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

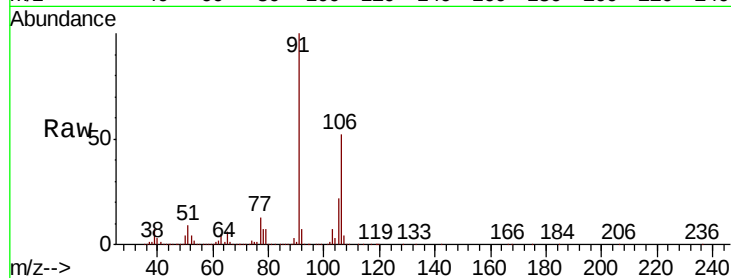
ICVVX032219

Tgt Ion:106 Resp: 212645

Ion Ratio Lower Upper

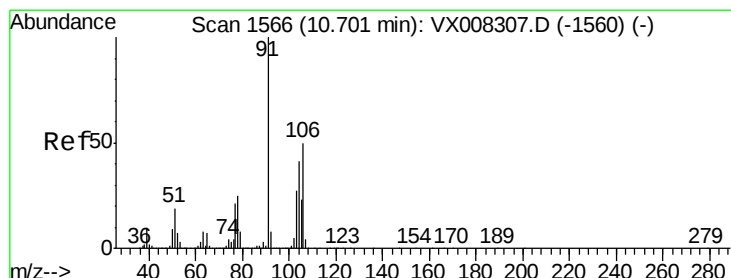
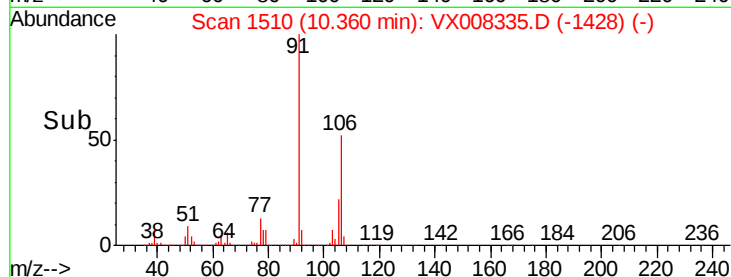
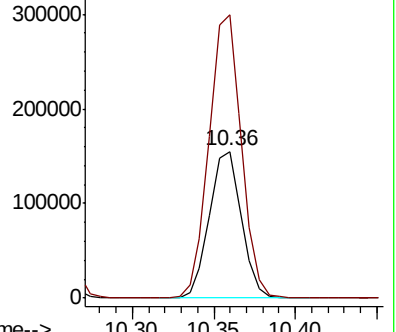
106 100

91 195.1 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.387 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX008335.D

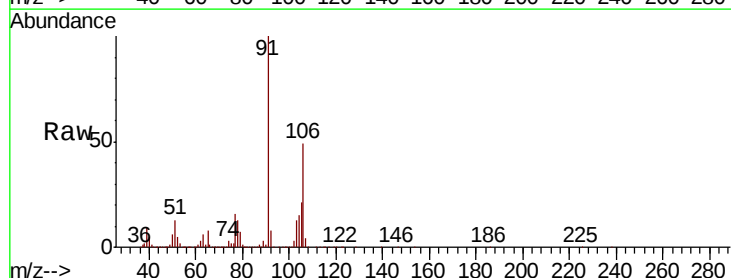
Acq: 22 Mar 2019 13:19

Tgt Ion:106 Resp: 101833

Ion Ratio Lower Upper

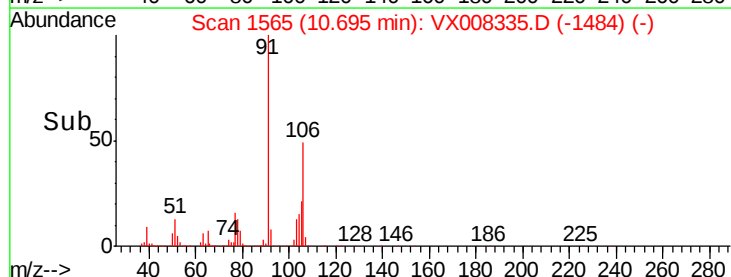
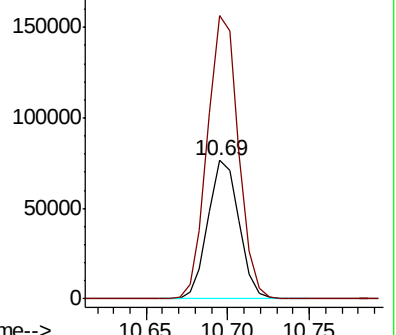
106 100

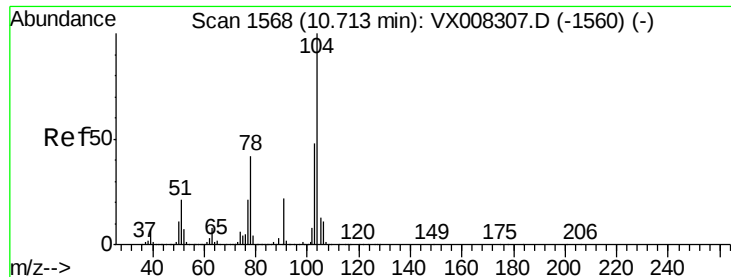
91 203.6 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Styrene

Concen: 19.385 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

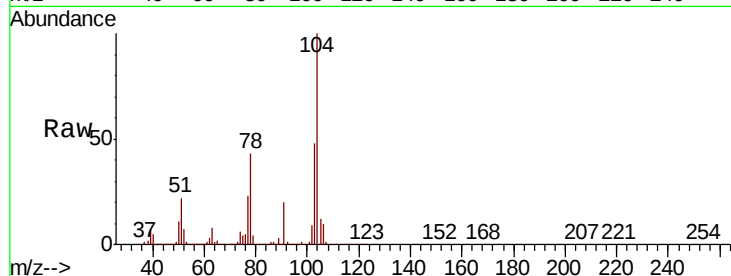
Tgt Ion:104 Resp: 171911

Ion Ratio Lower Upper

104 100

78 49.7 38.2 57.2

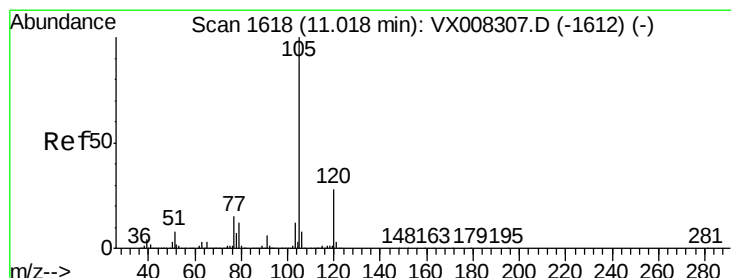
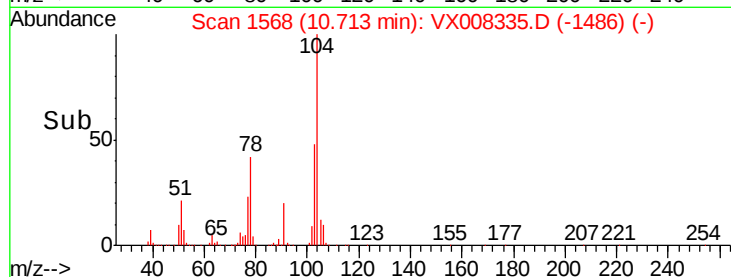
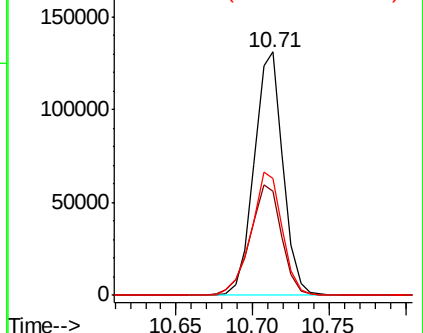
103 54.7 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.368 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008335.D

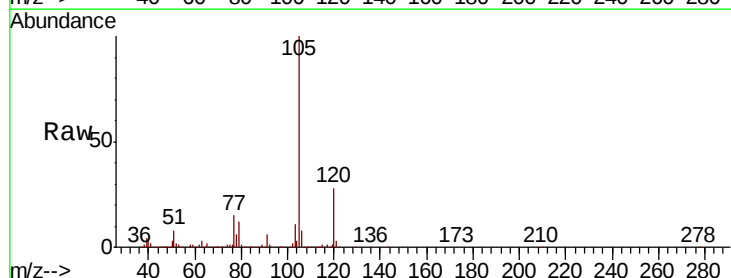
Acq: 22 Mar 2019 13:19

Tgt Ion:105 Resp: 267666

Ion Ratio Lower Upper

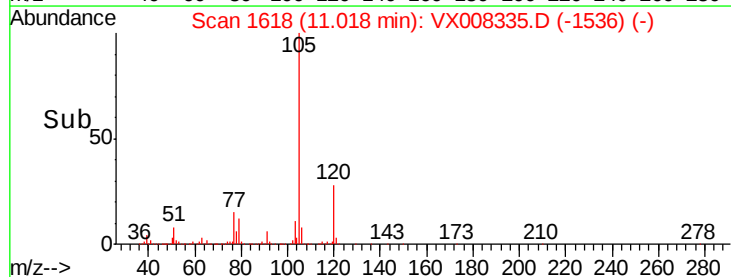
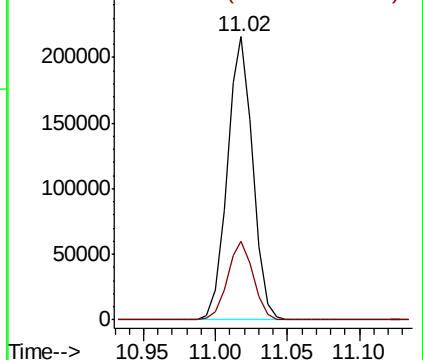
105 100

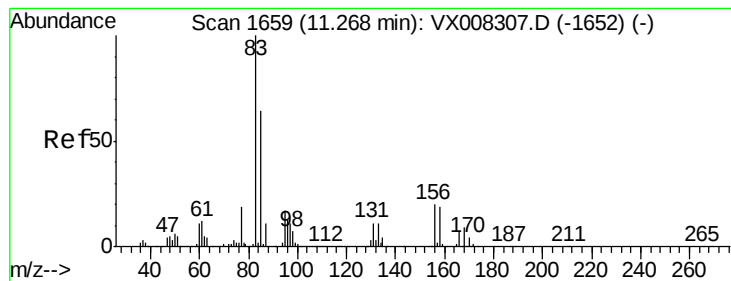
120 28.0 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 18.680 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

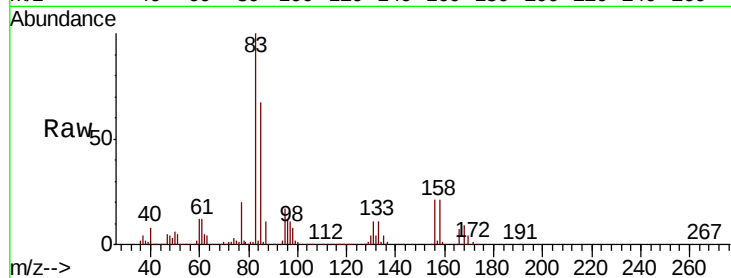
Tgt Ion: 83 Resp: 88032

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

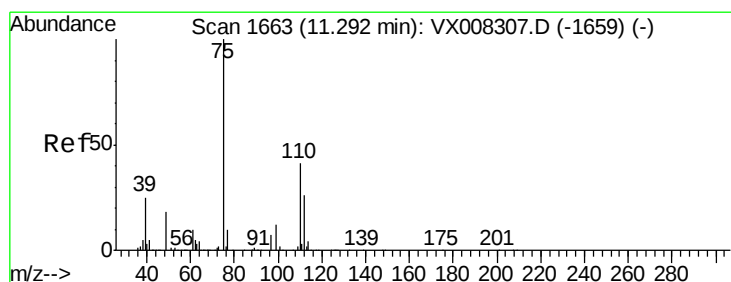
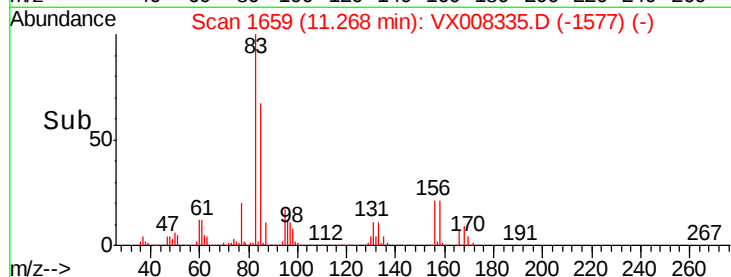
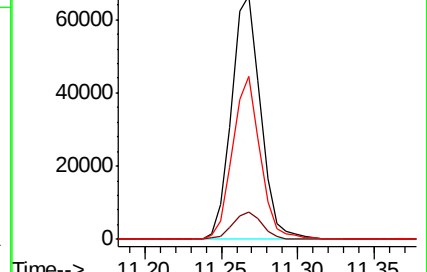
85 63.8 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 25.074 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008335.D

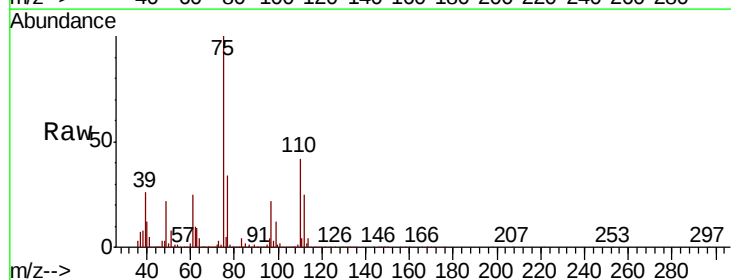
Acq: 22 Mar 2019 13:19

Tgt Ion: 75 Resp: 95186

Ion Ratio Lower Upper

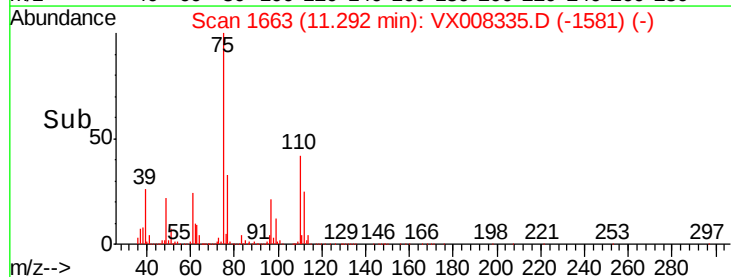
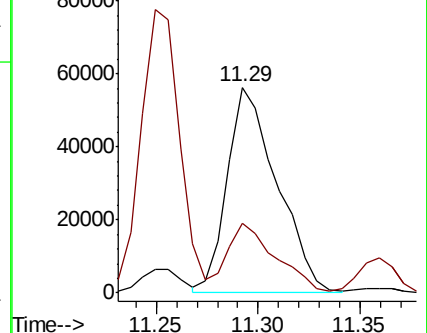
75 100

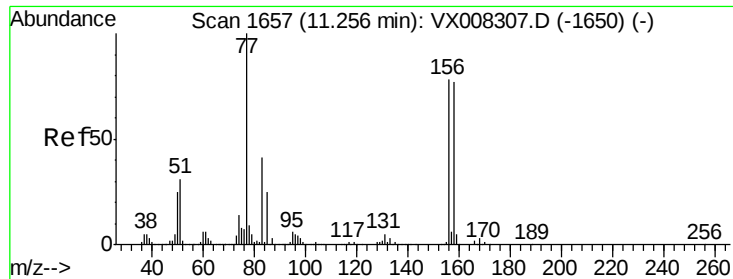
77 32.9 0.0 76.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 19.411 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVX032219

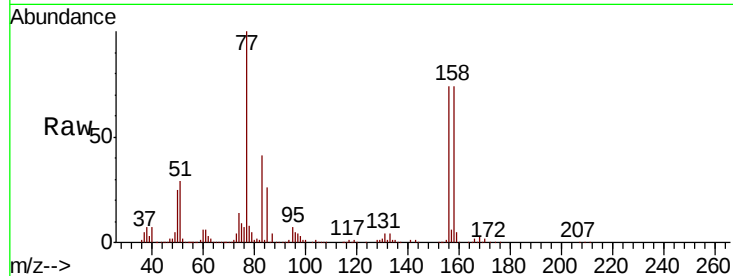
Tgt Ion:156 Resp: 74222

Ion Ratio Lower Upper

156 100

77 137.0 0.0 271.4

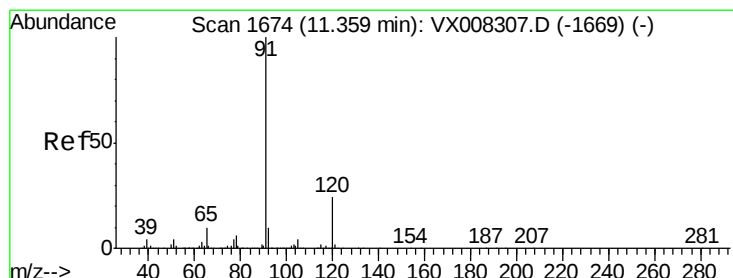
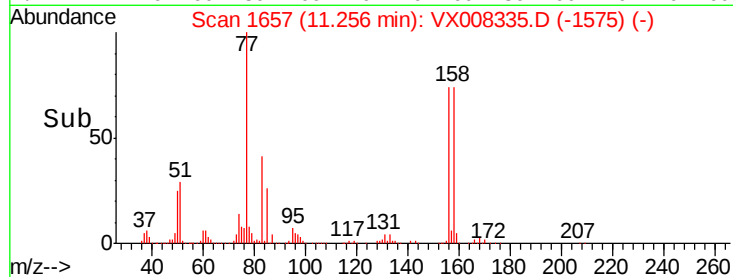
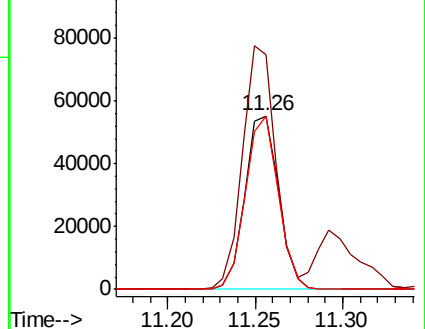
158 96.8 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.658 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008335.D

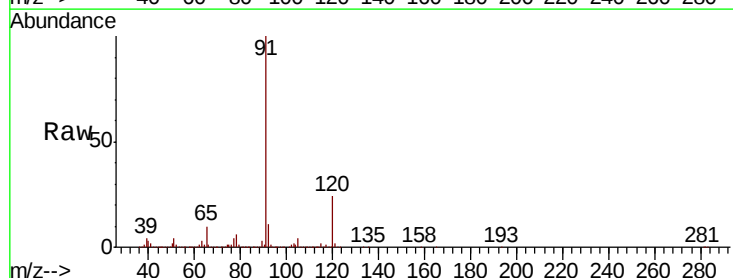
Acq: 22 Mar 2019 13:19

Tgt Ion: 91 Resp: 302828

Ion Ratio Lower Upper

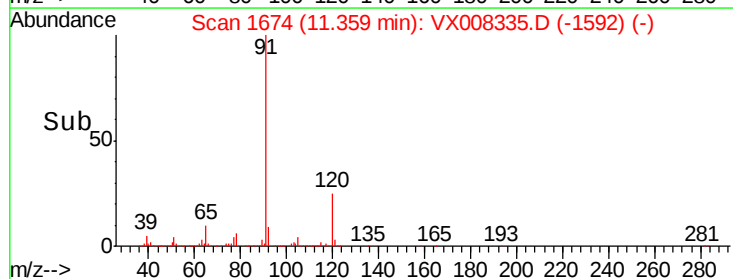
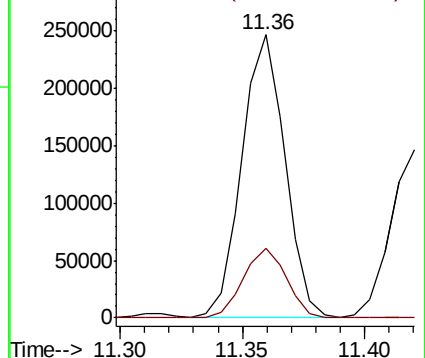
91 100

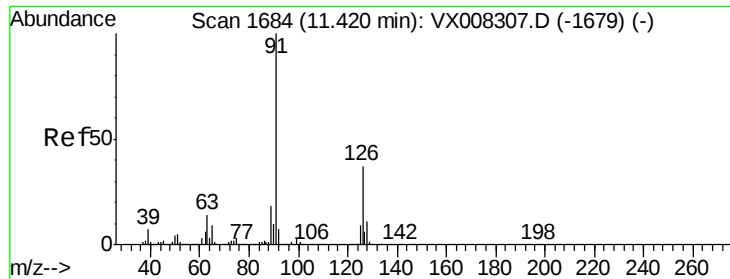
120 24.7 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.468 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampled :

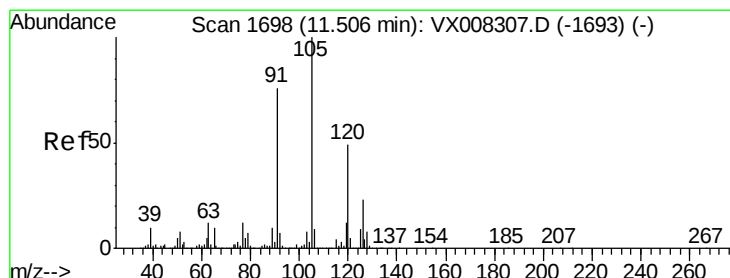
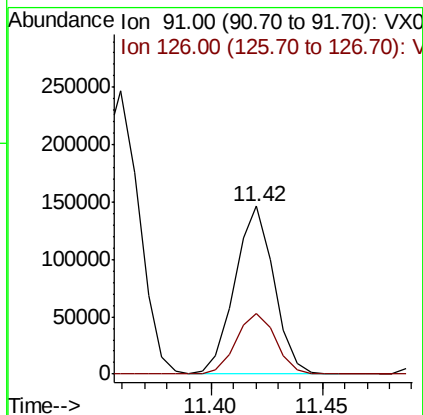
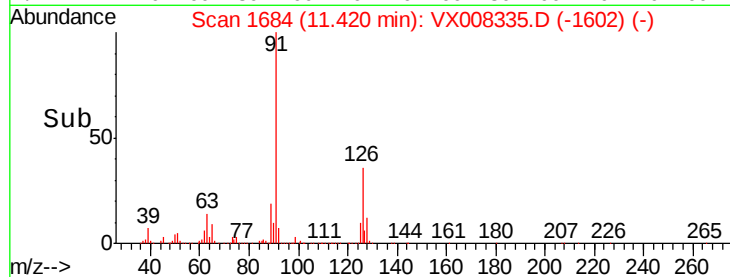
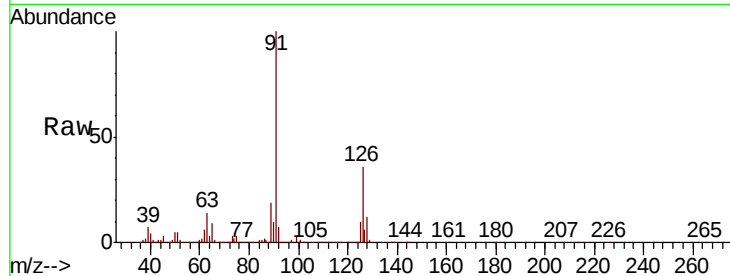
ICVVX032219

Tgt Ion: 91 Resp: 179093

Ion Ratio Lower Upper

91 100

126 36.6 0.0 75.2



#76

1,3,5-Trimethylbenzene

Concen: 19.547 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008335.D

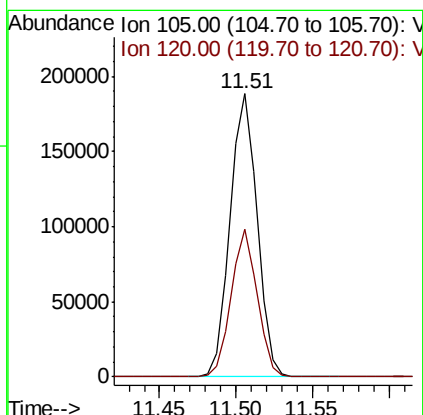
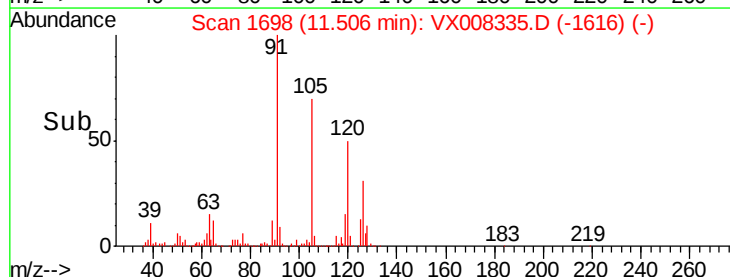
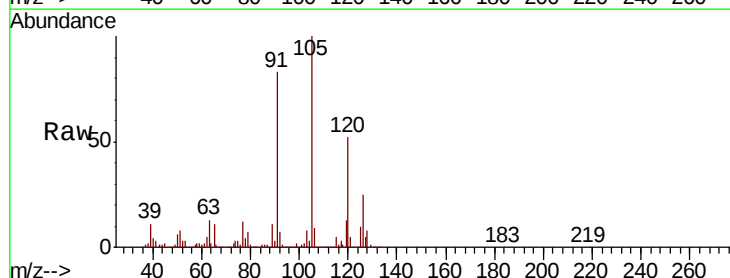
Acq: 22 Mar 2019 13:19

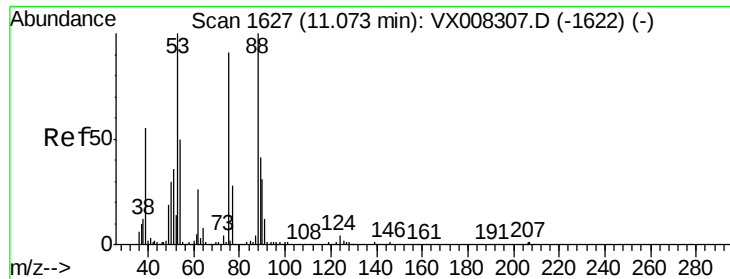
Tgt Ion: 105 Resp: 230781

Ion Ratio Lower Upper

105 100

120 50.1 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.373 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVX032219

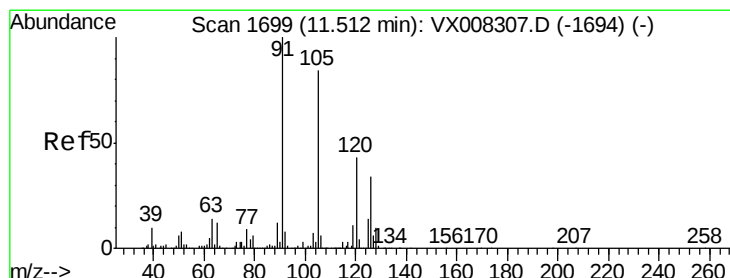
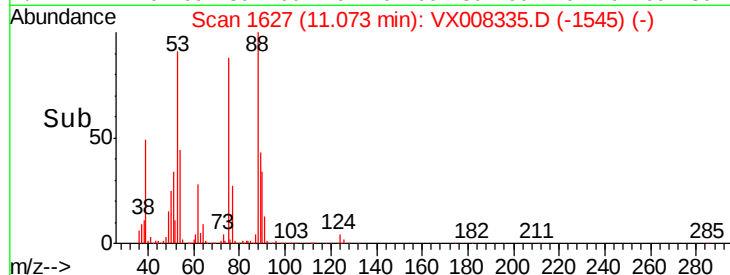
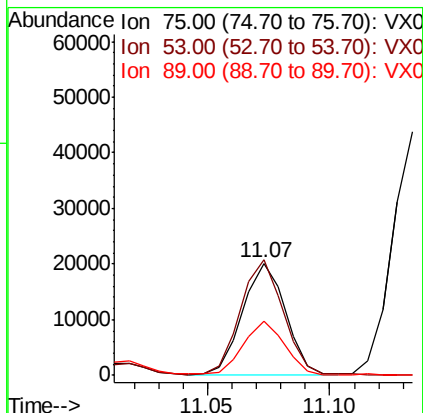
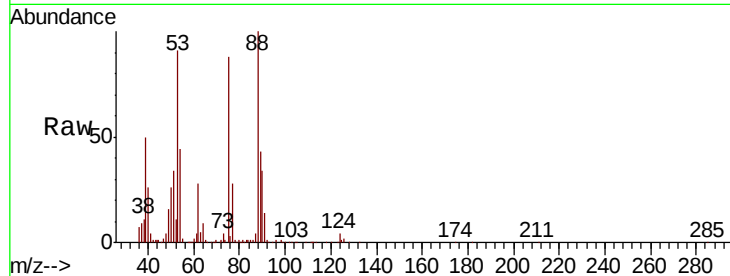
Tgt Ion: 75 Resp: 24709

Ion Ratio Lower Upper

75 100

53 103.3 55.5 166.7

89 48.3 24.4 73.2



#78

4-Chlorotoluene

Concen: 19.211 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008335.D

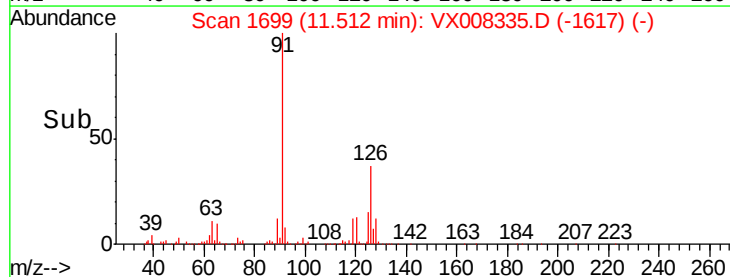
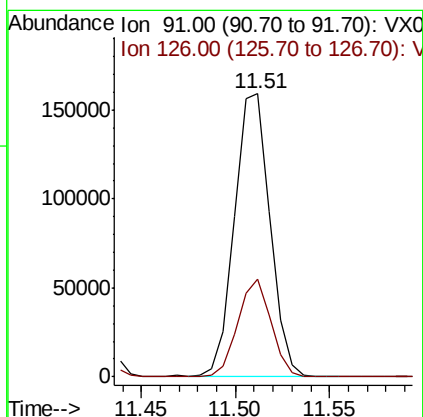
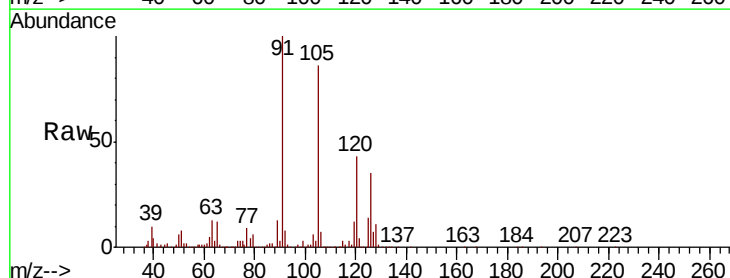
Acq: 22 Mar 2019 13:19

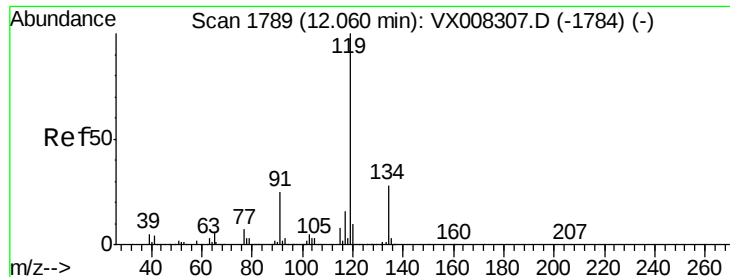
Tgt Ion: 91 Resp: 207997

Ion Ratio Lower Upper

91 100

126 32.2 0.0 66.2

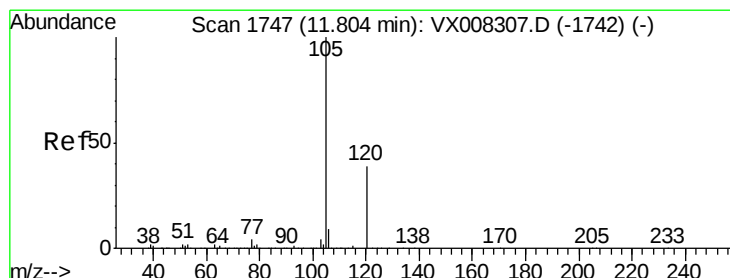
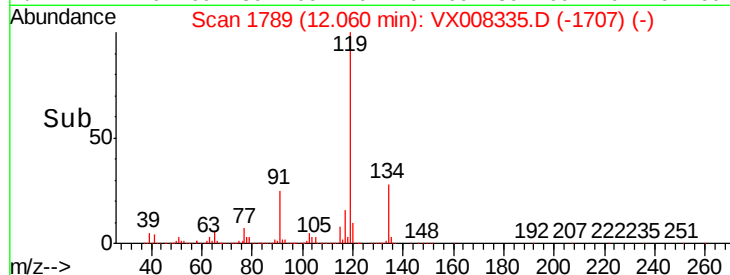
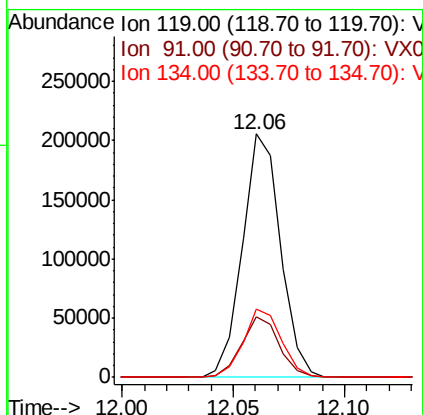
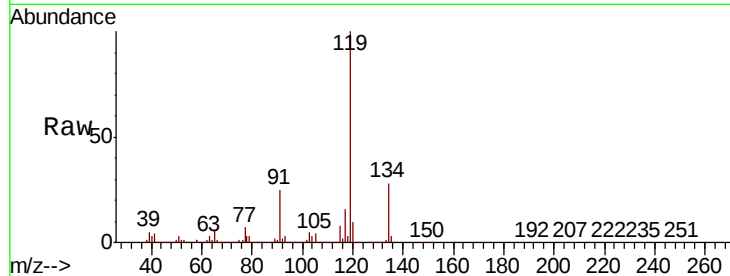




#79
tert-butylbenzene
Concen: 19.700 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

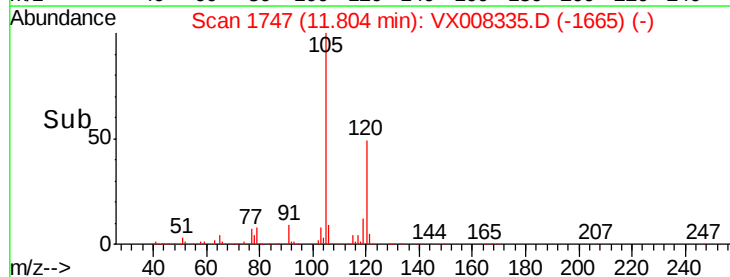
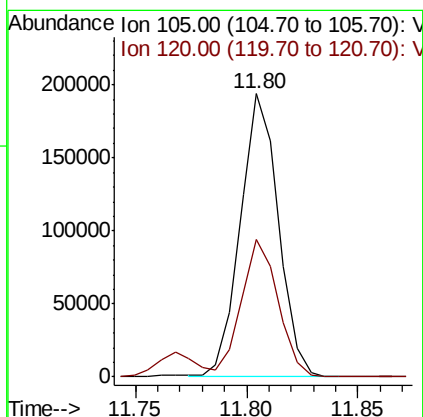
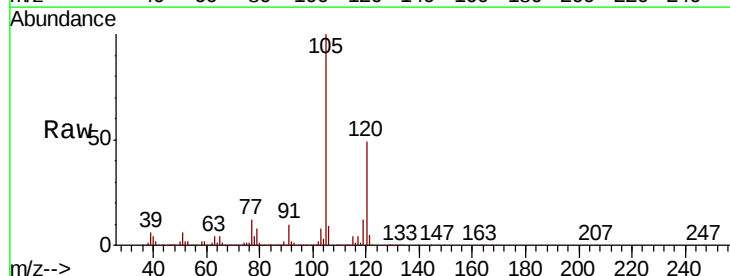
Instrument :
MSVOA_X
ClientSampled :
ICVVX032219

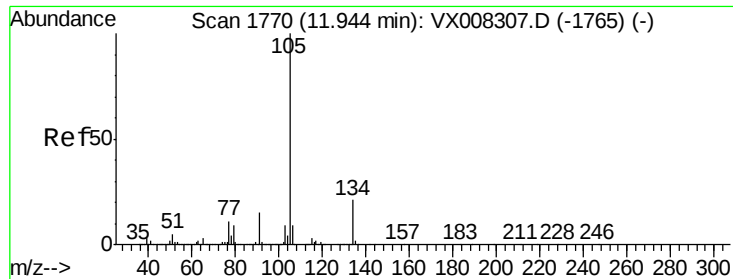
Tgt Ion:119 Resp: 244657
Ion Ratio Lower Upper
119 100
91 24.4 0.0 45.0
134 27.7 0.0 55.4



#80
1,2,4-Trimethylbenzene
Concen: 19.730 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion:105 Resp: 231464
Ion Ratio Lower Upper
105 100
120 46.7 0.0 94.0

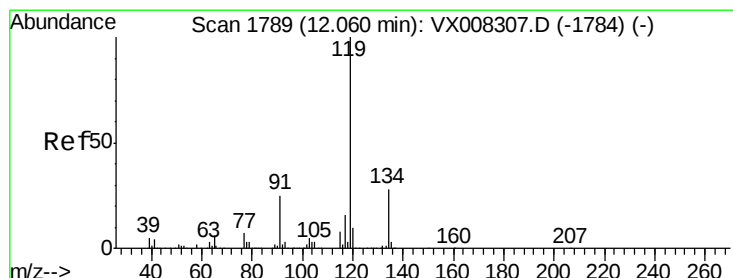
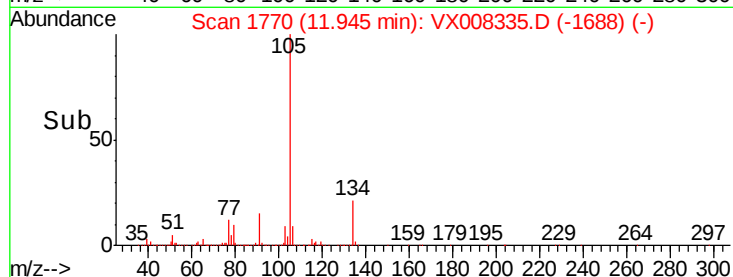
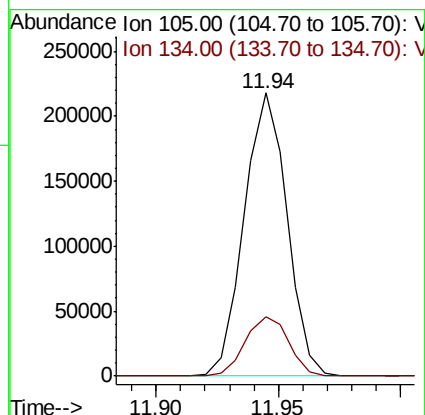
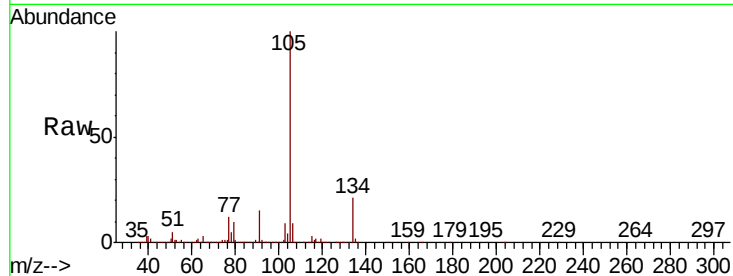




#81
 sec-Butylbenzene
 Concen: 19.767 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

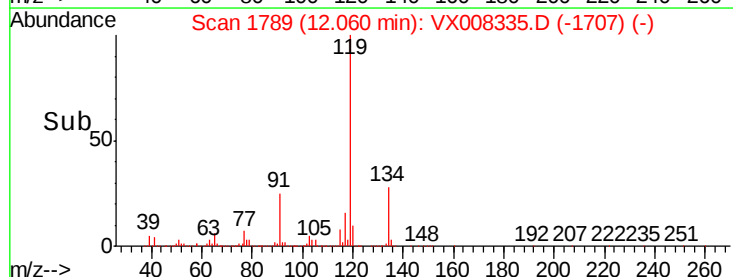
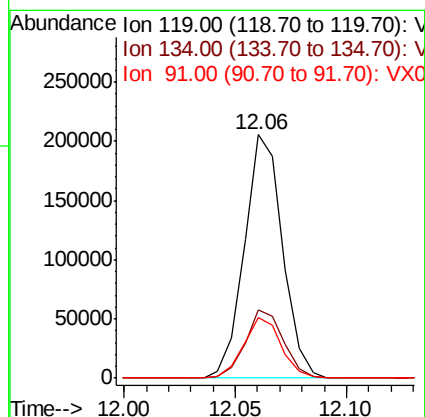
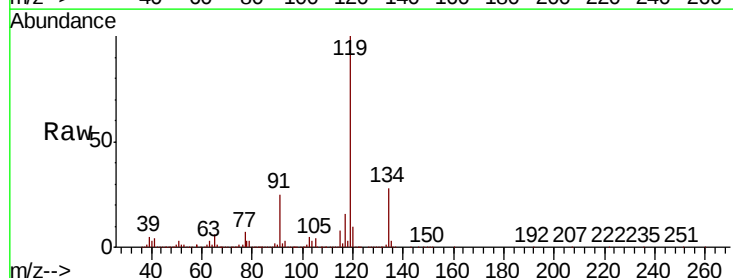
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

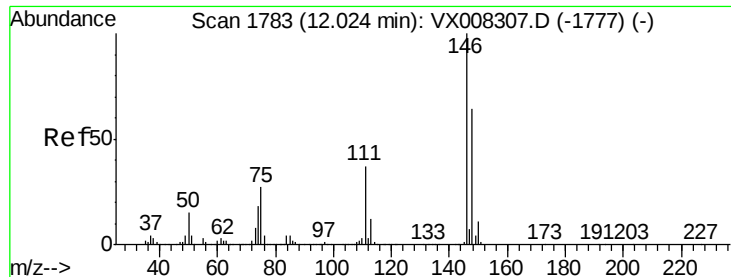
Tgt Ion:105 Resp: 266194
 Ion Ratio Lower Upper
 105 100
 134 21.5 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 19.700 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion:119 Resp: 244657
 Ion Ratio Lower Upper
 119 100
 134 27.7 0.0 55.4
 91 24.4 0.0 45.0

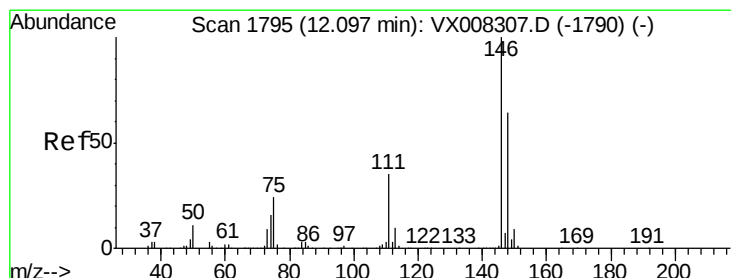
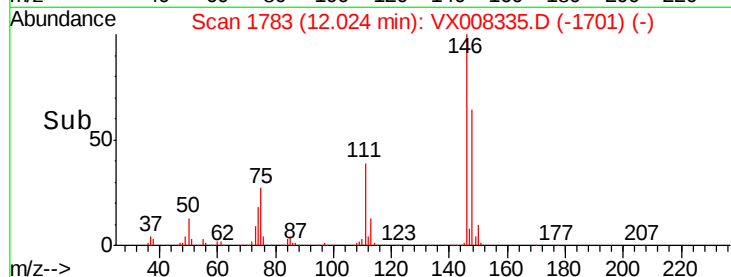
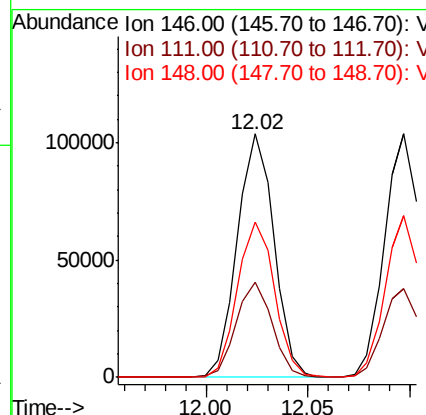
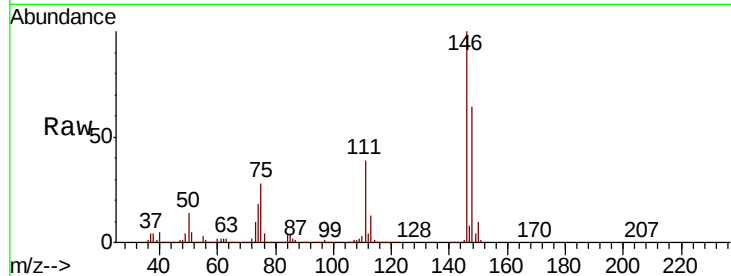




#83
 1,3-Dichlorobenzene
 Concen: 19.467 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

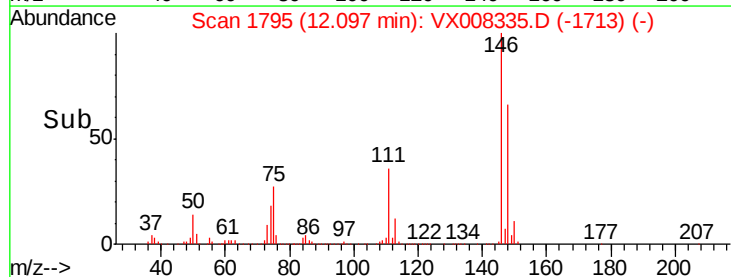
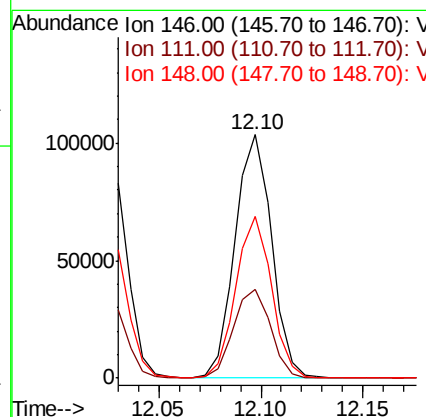
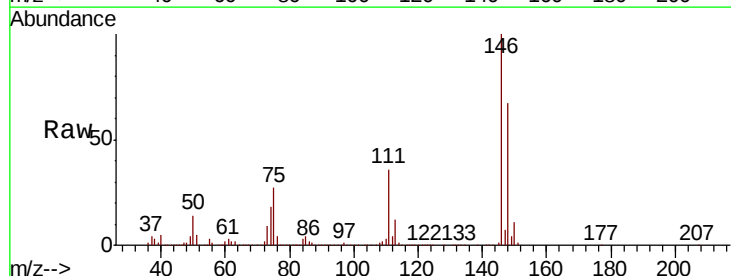
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

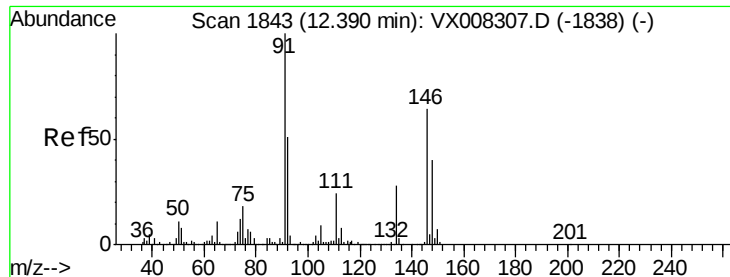
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.3
148	64.5	30.6	91.8



#84
 1,4-Dichlorobenzene
 Concen: 19.426 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.6	52.8
148	64.7	31.4	94.2

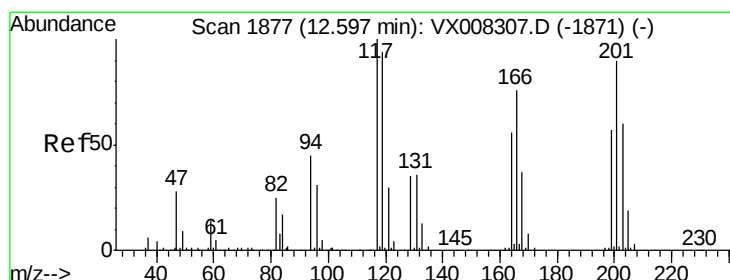
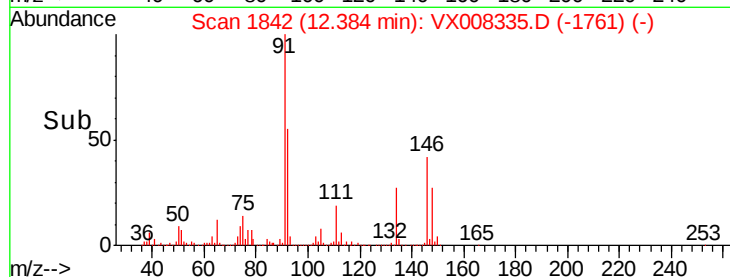
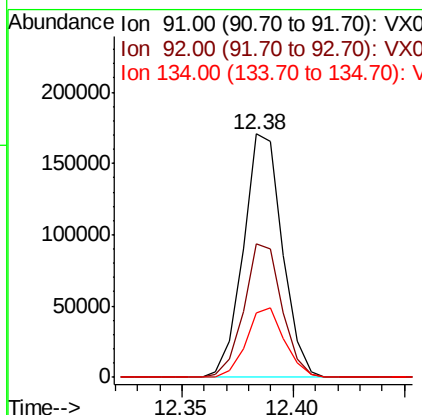
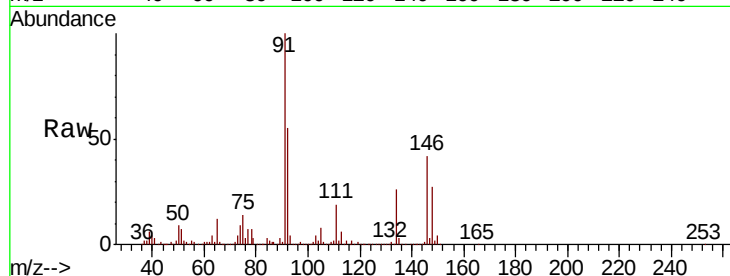




#85
n-Butylbenzene
Concen: 19.499 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

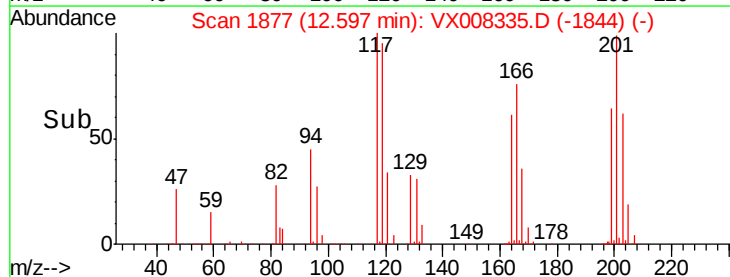
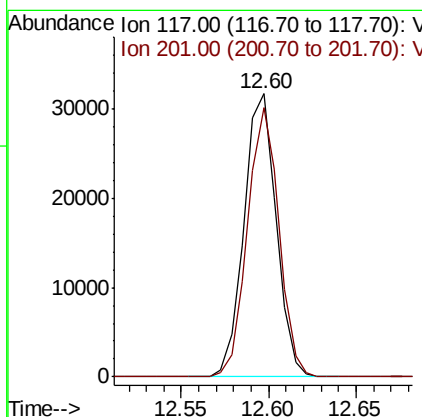
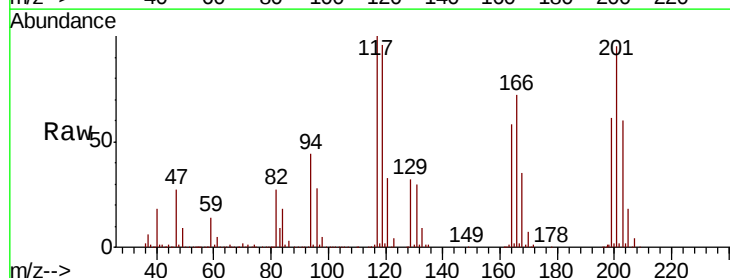
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

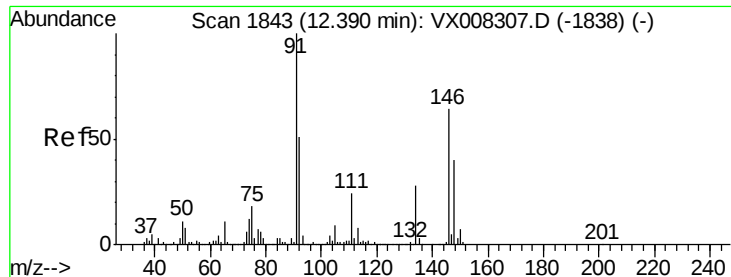
Tgt Ion: 91 Resp: 208300
Ion Ratio Lower Upper
91 100
92 53.9 0.0 105.2
134 27.8 0.0 56.4



#86
Hexachloroethane
Concen: 19.004 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion: 117 Resp: 40675
Ion Ratio Lower Upper
117 100
201 92.7 41.1 123.3





#87

1,2-Dichlorobenzene

Concen: 19.657 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032219

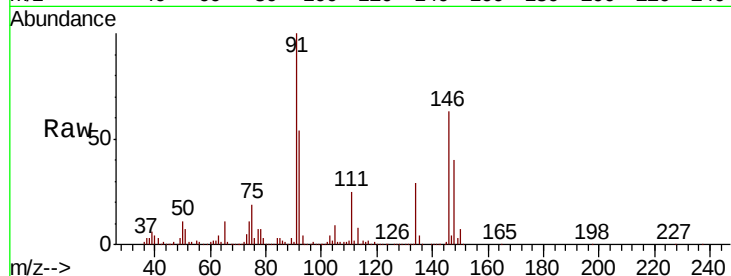
Tgt Ion:146 Resp: 128654

Ion Ratio Lower Upper

146 100

111 39.9 19.3 57.8

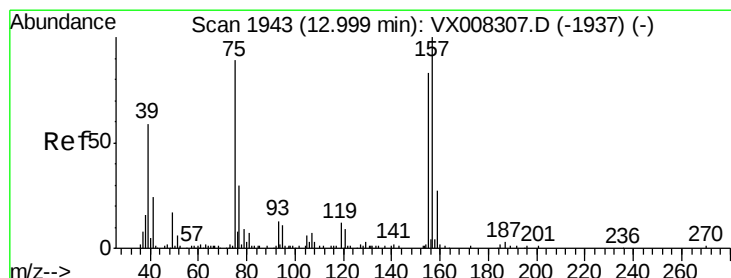
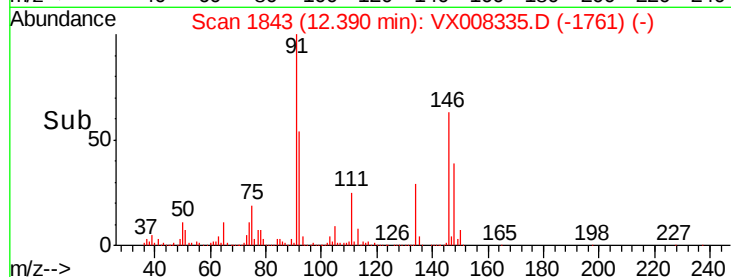
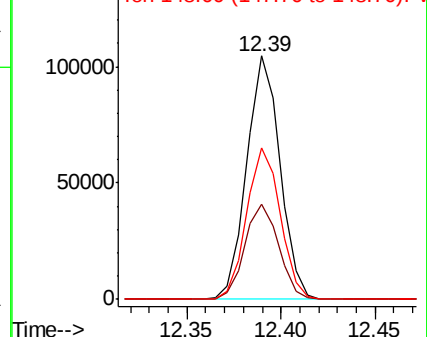
148 62.8 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.537 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008335.D

Acq: 22 Mar 2019 13:19

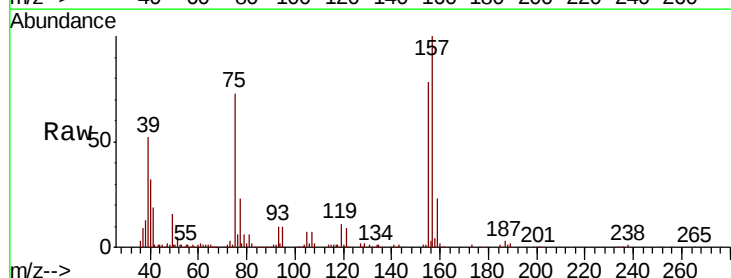
Tgt Ion: 75 Resp: 18919

Ion Ratio Lower Upper

75 100

155 99.6 81.0 121.6

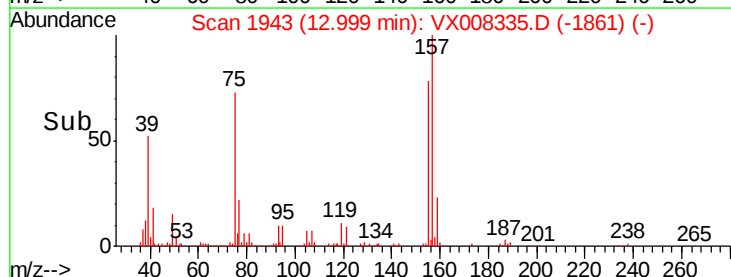
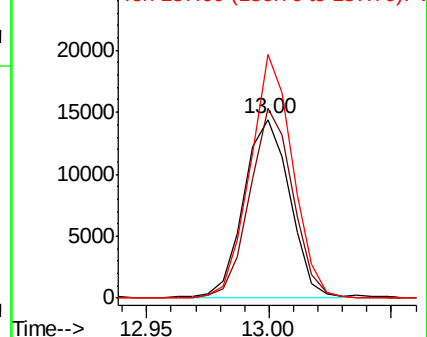
157 126.4 103.2 154.8

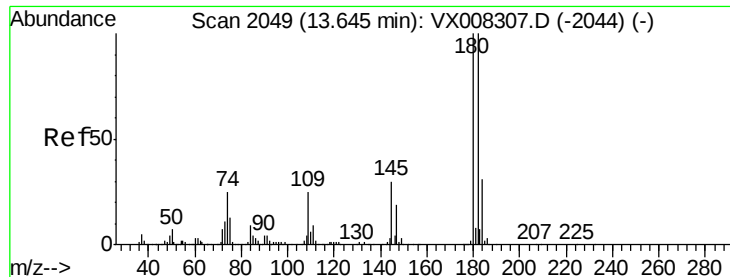


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

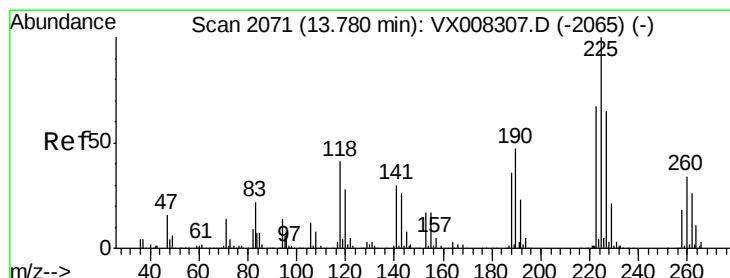
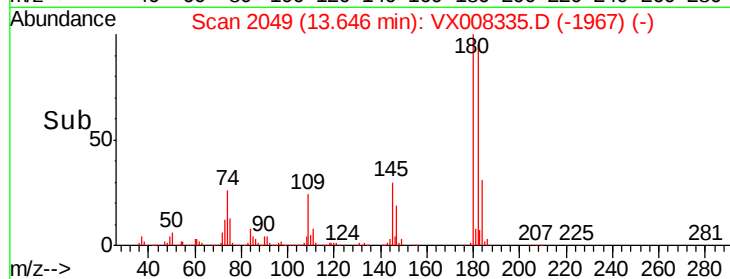
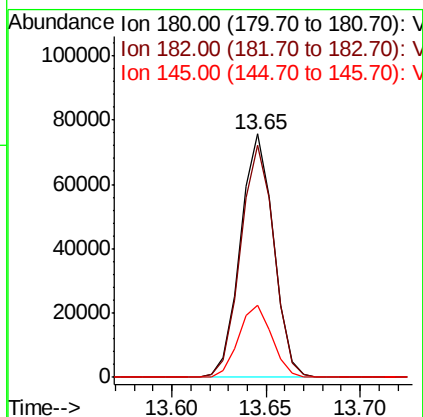
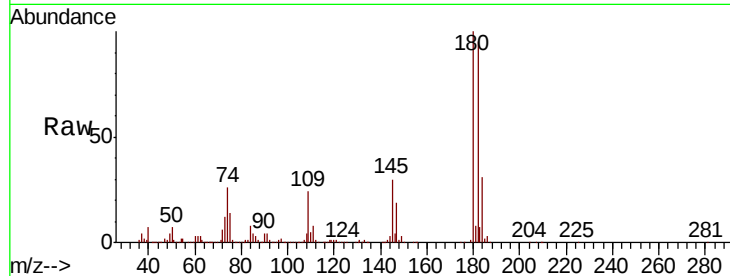




#89
 1,2,4-Trichlorobenzene
 Concen: 19.920 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

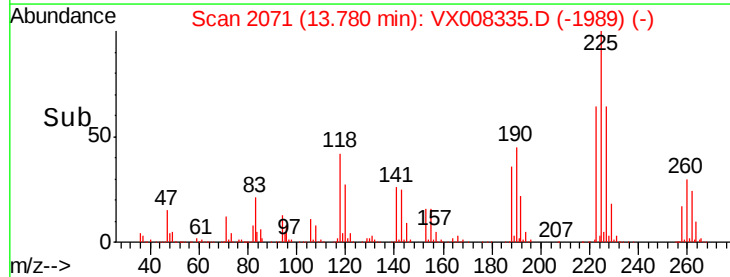
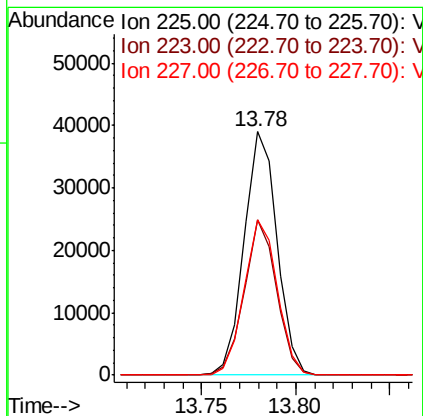
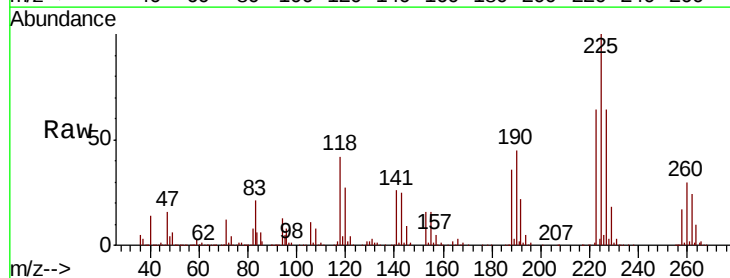
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032219

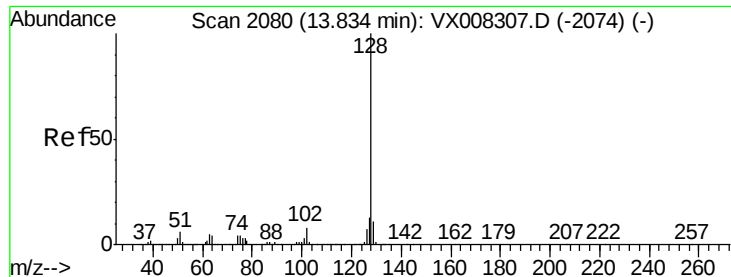
Tgt Ion:180 Resp: 92274
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.6 113.4
 145 29.7 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 20.355 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008335.D
 Acq: 22 Mar 2019 13:19

Tgt Ion:225 Resp: 47465
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 123.8
 227 64.2 0.0 124.4

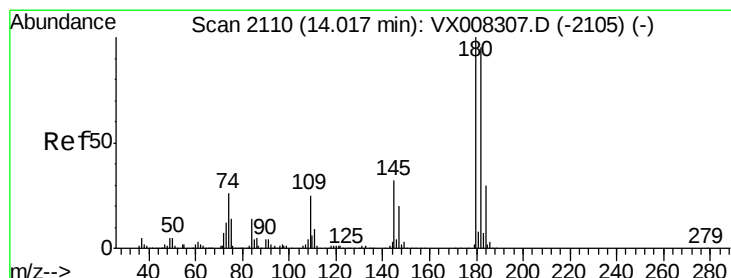
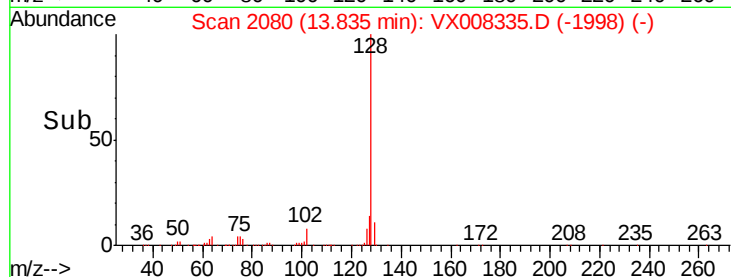
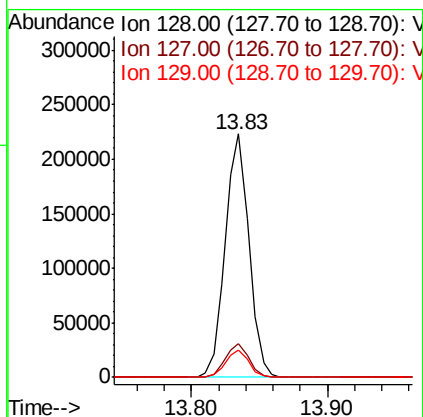
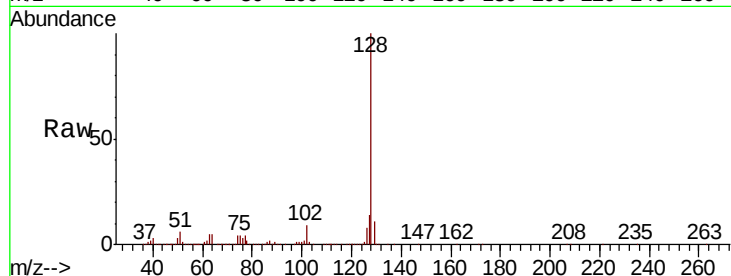




#91
Naphthalene
Concen: 19.453 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032219

Tgt Ion:128 Resp: 270646
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 10.9 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 19.511 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008335.D
Acq: 22 Mar 2019 13:19

Tgt Ion:180 Resp: 91372
Ion Ratio Lower Upper
180 100
182 96.5 0.0 193.0
145 30.9 0.0 63.0

