

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008476.D
 Acq On : 27 Mar 2019 12:18
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032719

Quant Time: Mar 28 01:58:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	40366	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	237975	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	211939	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	100254	29.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.97%
60) 4-Bromofluorobenzene	11.13	95	109478	29.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.83%
63) Toluene-d8	8.71	98	301139	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	51961	18.825	ug/l 98
3) Chloromethane	1.32	50	72620	20.081	ug/l 96
4) Vinyl Chloride	1.40	62	67105	18.409	ug/l 99
5) Bromomethane	1.64	94	35784	18.946	ug/l 99
6) Chloroethane	1.72	64	40177	16.840	ug/l 94
7) Trichlorofluoromethane	1.93	101	74539	18.423	ug/l 98
8) Diethyl Ether	2.18	74	34304	17.978	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	2.38	101	47558	18.875	ug/l 92
10) 1,1-Dichloroethene	2.37	96	48194	18.854	ug/l 90
11) Methyl Iodide	2.51	142	39301	14.848	ug/l 95
12) Methyl Acetate	3.18	43	37309	18.008	ug/l 90
13) Acrolein	2.29	56	56862	95.669	ug/l 96
14) Acrylonitrile	3.14	53	173088	90.364	ug/l 99
15) Acetone	2.44	58	51396	87.012	ug/l 92
16) Carbon Disulfide	2.57	76	151909	19.104	ug/l 99
17) Allyl chloride	2.73	41	103767	18.062	ug/l 92
18) Methylene Chloride	2.85	84	56553	18.508	ug/l 88
19) trans-1,2-Dichloroethene	3.16	96	51899	19.004	ug/l 90
20) Diisopropyl ether	3.85	45	202840	18.140	ug/l # 85
21) 1,1-Dichloroethane	3.69	63	103537	18.447	ug/l 96
22) cis-1,2-Dichloroethene	4.59	96	58662	18.588	ug/l # 81
23) tert-Butyl Alcohol	3.04	59	68710	88.833	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	172595	18.372	ug/l 100
25) Chloroform	5.21	83	93232	18.338	ug/l 97
26) Cyclohexane	5.57	56	102276	18.757	ug/l # 84
29) 1,1-Dichloropropene	5.79	75	73864	18.450	ug/l 93
30) 2-Butanone	4.67	43	257030	87.306	ug/l 94
31) 2,2-Dichloropropane	4.57	77	73884	18.477	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	75529	18.167	ug/l 94
33) Carbon Tetrachloride	5.78	117	62692	18.023	ug/l 99
34) Benzene	6.13	78	223379	18.253	ug/l # 95
35) Methacrylonitrile	5.04	41	54051	18.054	ug/l 92
36) 1,2-Dichloroethane	6.19	62	79916	18.316	ug/l 98
37) Trichloroethene	7.21	130	51869	18.430	ug/l 82
38) Methylcyclohexane	7.46	83	94022	18.637	ug/l 89
39) 1,2-Dichloropropane	7.51	63	62486	18.002	ug/l 98
40) Dibromomethane	7.66	93	35966	17.887	ug/l 89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	70538	17.841	ug/l	99
42) Vinyl Acetate	3.81	43	910132	91.195	ug/l #	94
43) Ethyl Acetate	4.82	43	93809	17.704	ug/l #	81
44) Isopropyl Acetate	6.44	43	150455	17.560	ug/l	98
45) 1,4-Dioxane	7.74	88	30920	362.511	ug/l #	85
46) Methyl methacrylate	7.76	41	75770	17.412	ug/l	88
47) n-amyl Acetate	10.90	43	135624	17.426	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	79678	17.842	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	90636	18.145	ug/l	94
50) 1,1,2-Trichloroethane	9.21	97	53210	17.822	ug/l	99
51) Ethyl methacrylate	9.18	69	97417	17.533	ug/l	93
52) 1,3-Dichloropropane	9.37	76	95094	17.902	ug/l	100
53) Dibromochloromethane	9.58	129	51067	17.381	ug/l	98
54) 1,2-Dibromoethane	9.67	107	54546	17.722	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	280609	100.110	ug/l	95
56) Bromoform	10.85	173	36303	16.954	ug/l #	99
58) 4-Methyl-2-Pentanone	8.63	43	490305	87.690	ug/l	95
59) 2-Hexanone	9.49	43	386342	87.459	ug/l	97
61) Tetrachloroethene	9.34	164	42948	18.526	ug/l	99
62) Toluene	8.78	91	234238	18.254	ug/l	100
64) Chlorobenzene	10.13	112	137418	18.276	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	47405	17.882	ug/l	98
66) Ethyl Benzene	10.25	91	259957	18.252	ug/l	97
67) m/p-Xylenes	10.35	106	189495	36.477	ug/l	90
68) o-Xylene	10.69	106	91819	18.062	ug/l	91
69) Styrene	10.71	104	159949	18.082	ug/l	96
70) Isopropylbenzene	11.02	105	248127	18.503	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.26	83	89334	17.832	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	100913	23.831	ug/l	90
73) Bromobenzene	11.26	156	57110	17.900	ug/l	77
74) n-propylbenzene	11.36	91	297024	18.593	ug/l	94
75) 2-Chlorotoluene	11.42	91	173025	18.205	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	209991	18.316	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	27277	16.793	ug/l	91
78) 4-Chlorotoluene	11.51	91	200078	18.291	ug/l	91
79) tert-butylbenzene	12.06	119	216189	18.452	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	208505	18.240	ug/l	96
81) sec-Butylbenzene	11.94	105	242191	18.489	ug/l	96
82) p-Isopropyltoluene	12.06	119	216189	18.452	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	104801	18.503	ug/l	96
84) 1,4-Dichlorobenzene	12.10	146	102917	18.183	ug/l	96
85) n-Butylbenzene	12.38	91	206114	18.515	ug/l	97
86) Hexachloroethane	12.59	117	34565	17.657	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	103568	18.147	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	20073	18.078	ug/l #	75
89) 1,2,4-Trichlorobenzene	13.65	180	74819	19.005	ug/l	98
90) Hexachlorobutadiene	13.78	225	36302	19.141	ug/l	99
91) Naphthalene	13.83	128	256687	19.031	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	75214	18.967	ug/l	100

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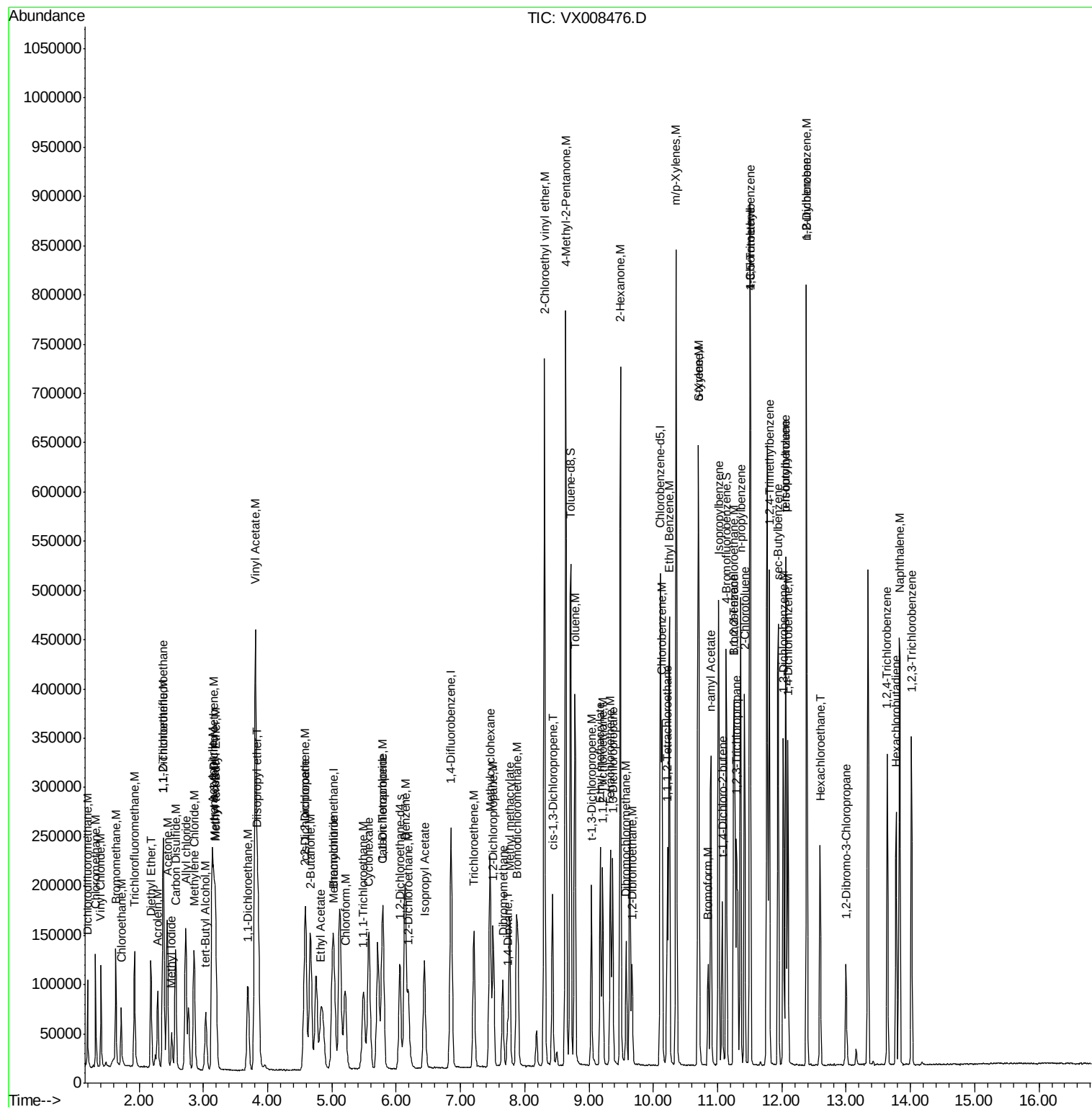
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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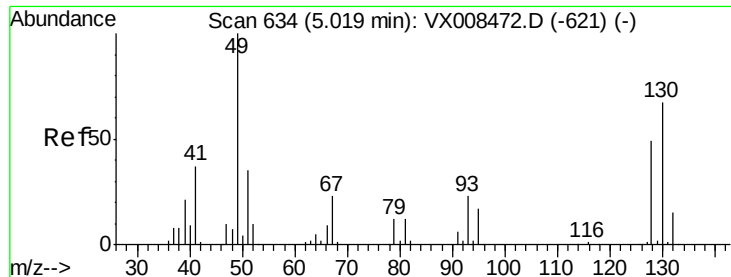
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032719\
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ClientSampleID :
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Quant Time: Mar 28 01:58:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

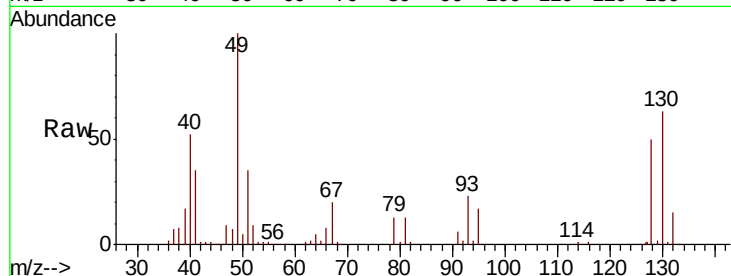
Tot Ion:128 Resp: 40366

Ion Ratio Lower Upper

128 100

49 205.1 0.0 350.8

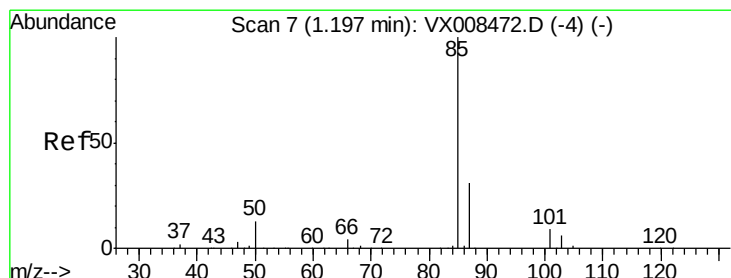
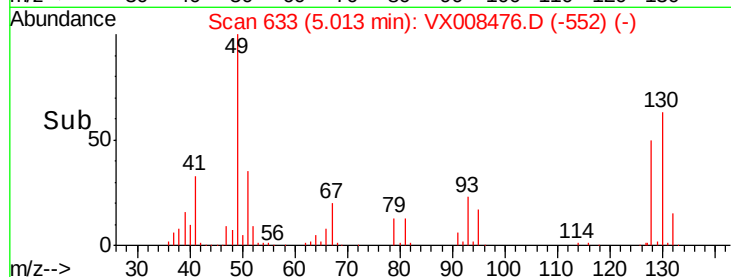
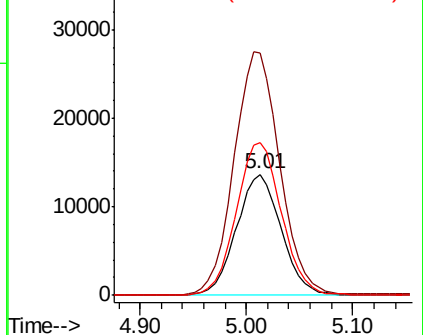
130 127.2 0.0 325.8



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: 18.825 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008476.D

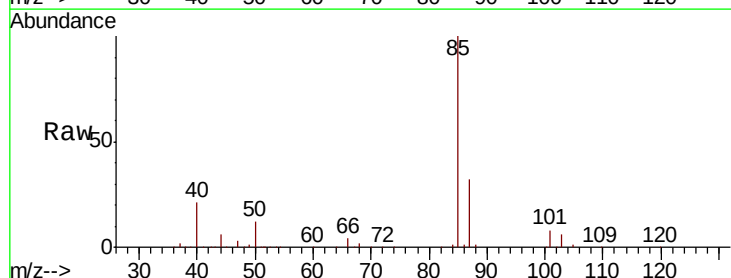
Acq: 27 Mar 2019 12:18

Tgt Ion: 85 Resp: 51961

Ion Ratio Lower Upper

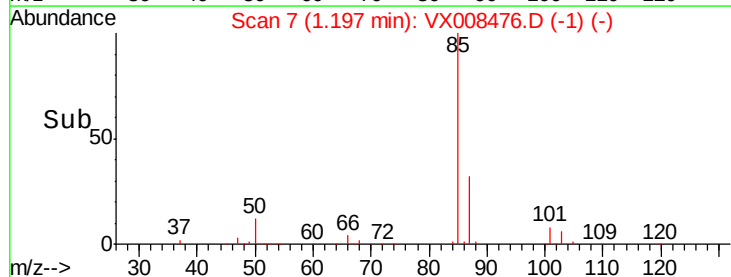
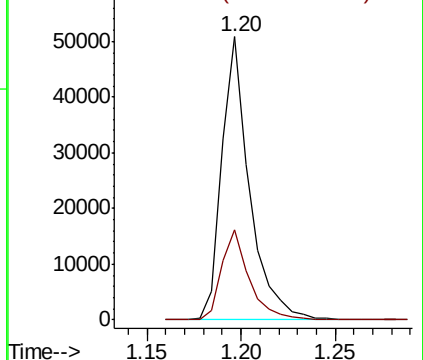
85 100

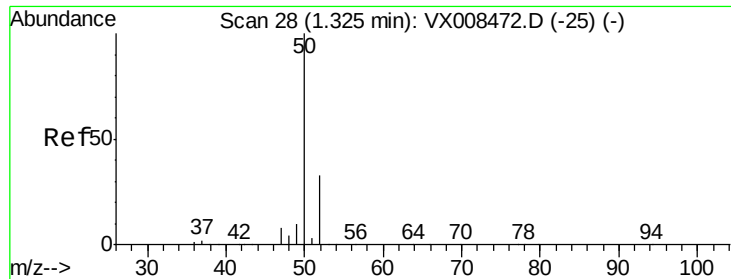
87 31.9 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.081 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

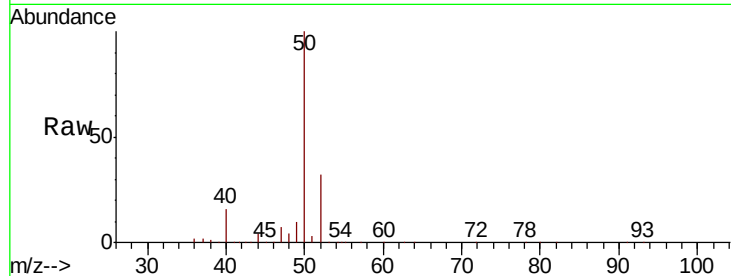
ICVVX032719

Tot Ion: 50 Resp: 72620

Ion Ratio Lower Upper

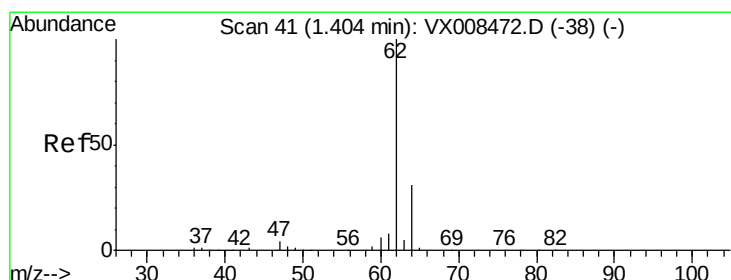
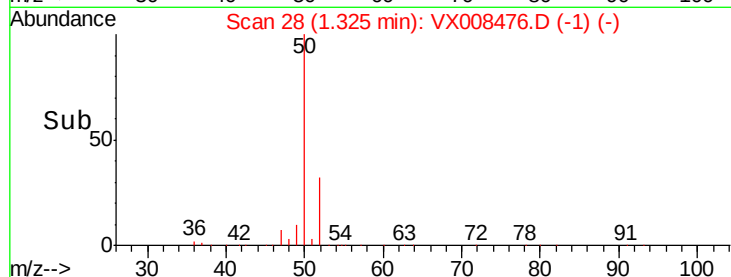
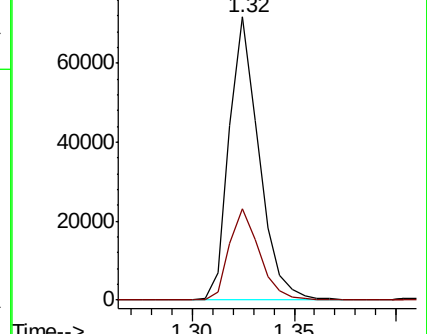
50 100

52 32.2 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: 18.409 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008476.D

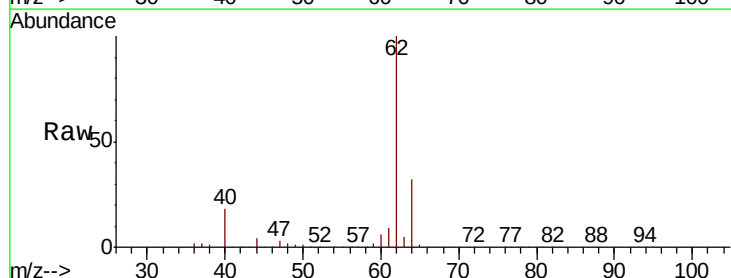
Acq: 27 Mar 2019 12:18

Tgt Ion: 62 Resp: 67105

Ion Ratio Lower Upper

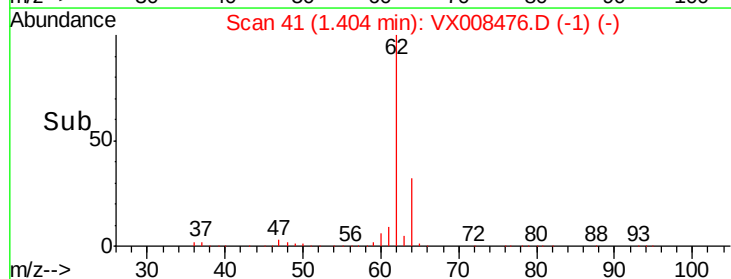
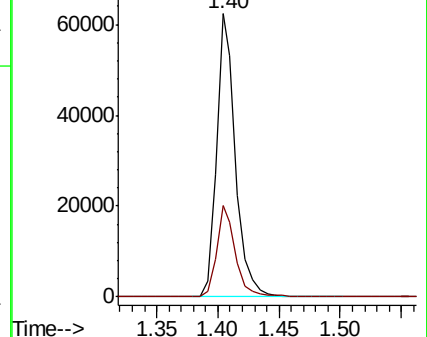
62 100

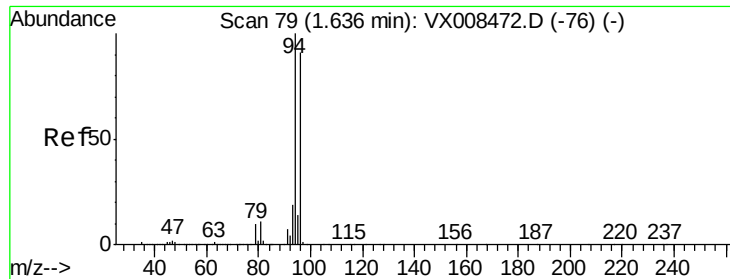
64 32.0 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 18.946 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

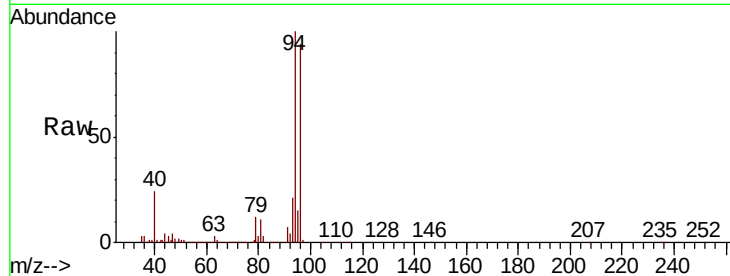
ICVVX032719

Tot Ion: 94 Resp: 35784

Ion Ratio Lower Upper

94 100

96 93.8 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

40000

30000

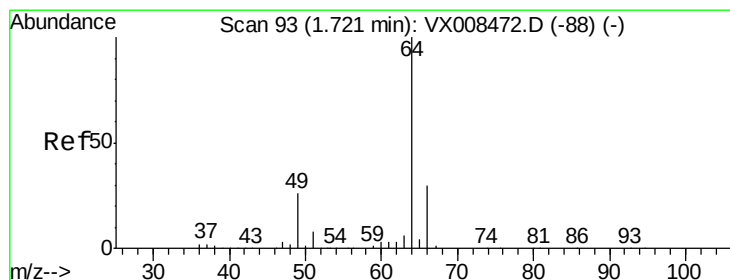
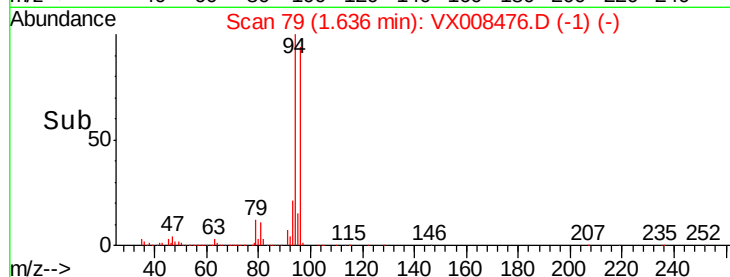
20000

10000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 16.840 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008476.D

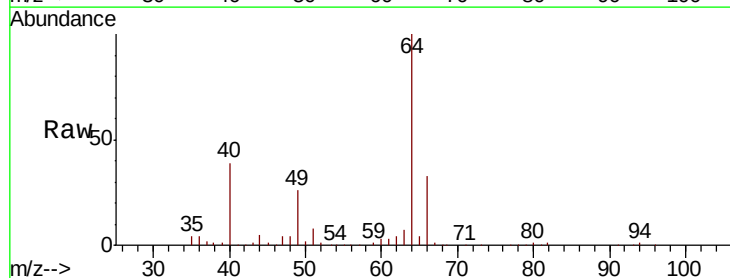
Acq: 27 Mar 2019 12:18

Tgt Ion: 64 Resp: 40177

Ion Ratio Lower Upper

64 100

66 33.0 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

30000

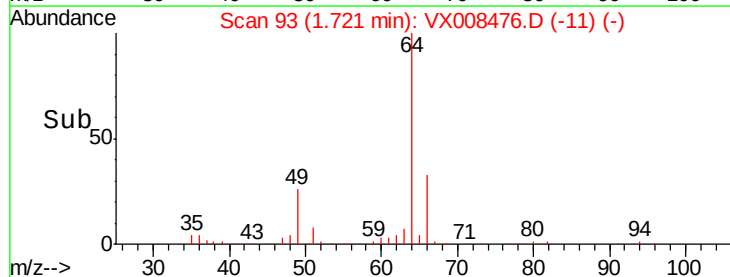
20000

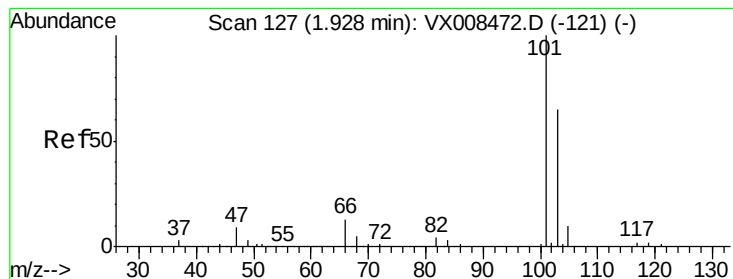
10000

0

Time-->

1.65 1.70 1.75 1.80



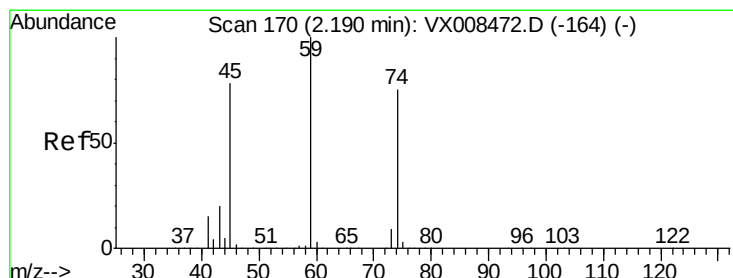
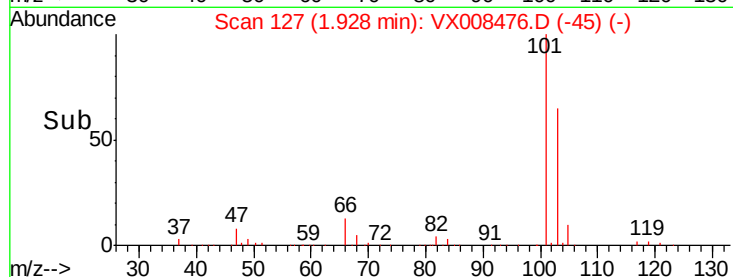
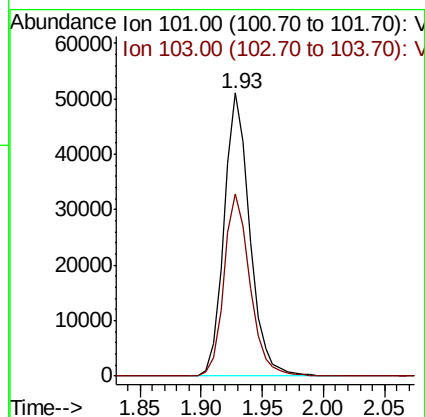
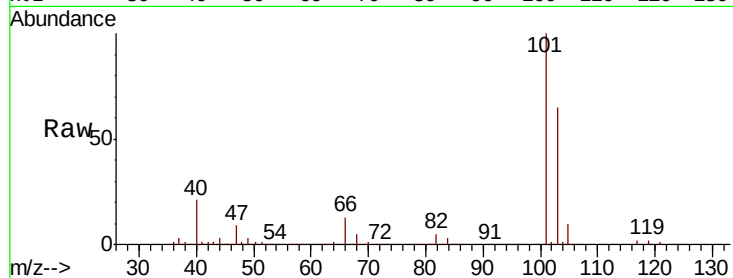


#7

Trichlorofluoromethane
 Concen: 18.423 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032719

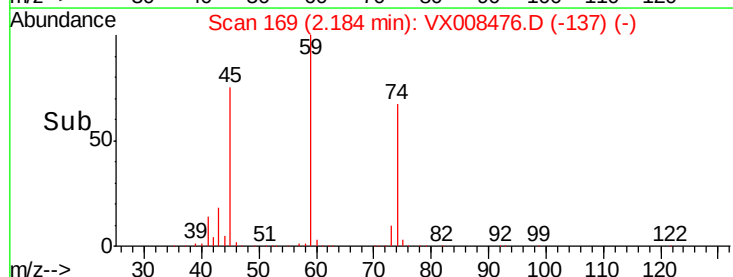
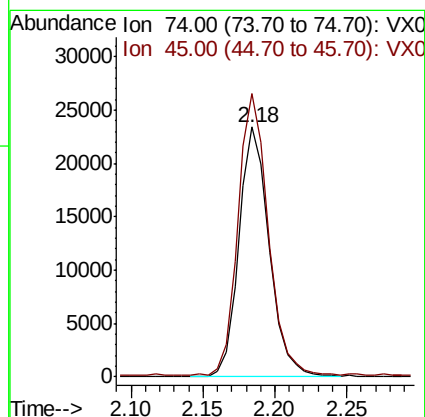
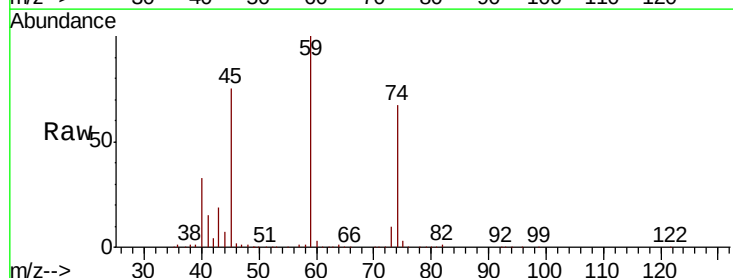
Tot Ion:101 Resp: 74539
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.4 75.6

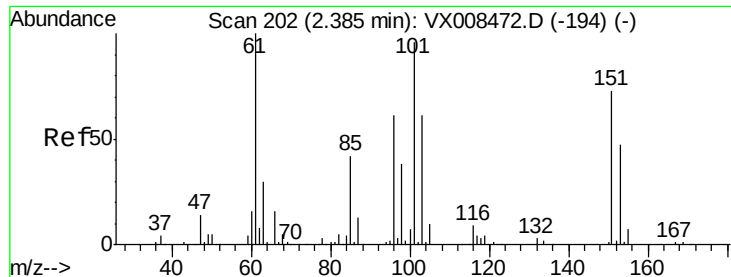


#8

Diethyl Ether
 Concen: 17.978 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Tgt Ion: 74 Resp: 34304
 Ion Ratio Lower Upper
 74 100
 45 112.9 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.875 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

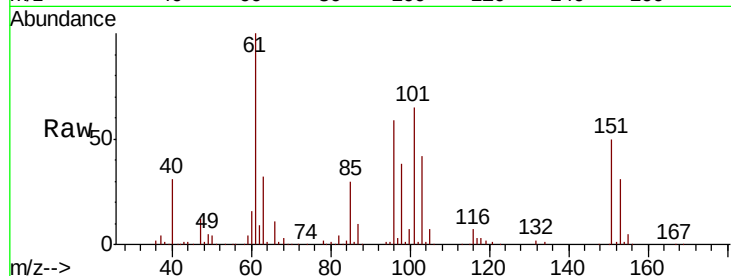
Tot Ion:101 Resp: 47558

Ion Ratio Lower Upper

101 100

85 44.4 0.0 86.8

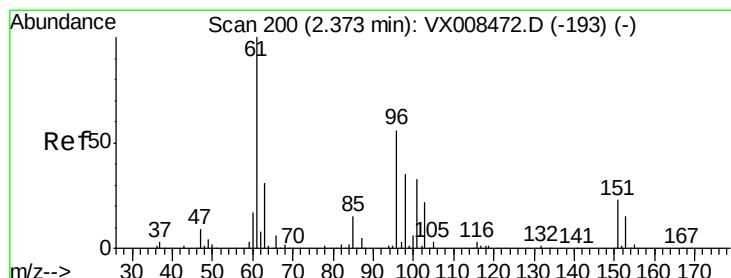
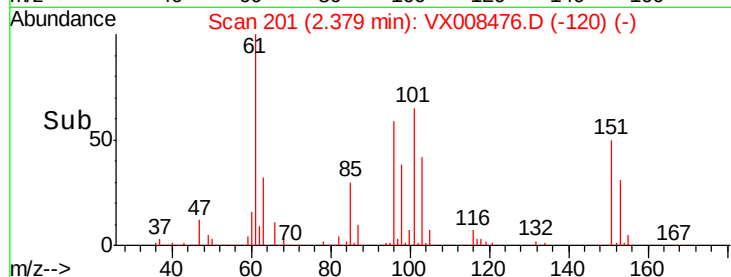
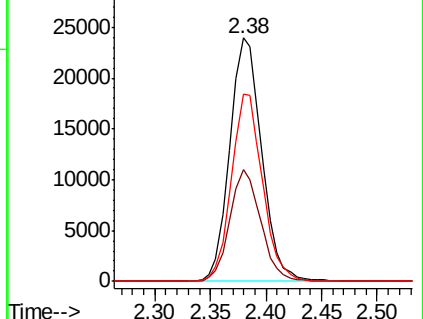
151 74.9 0.0 169.2



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: 18.854 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

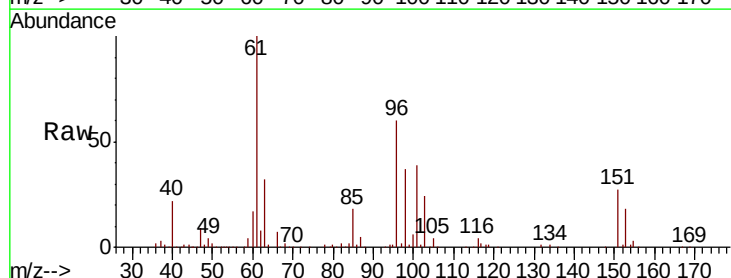
Tgt Ion: 96 Resp: 48194

Ion Ratio Lower Upper

96 100

61 168.0 120.2 180.2

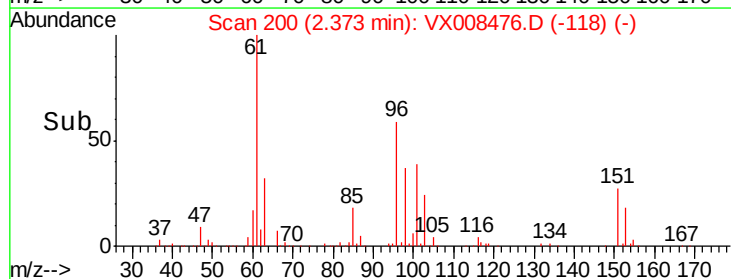
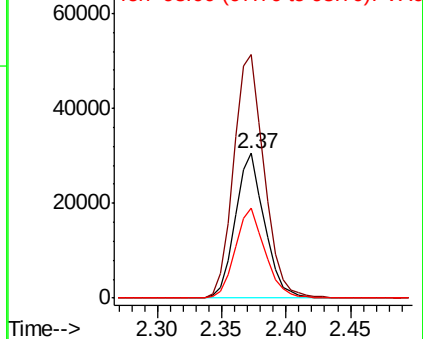
98 61.9 49.0 73.4

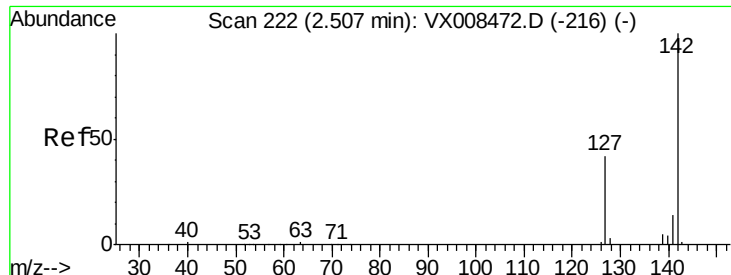


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

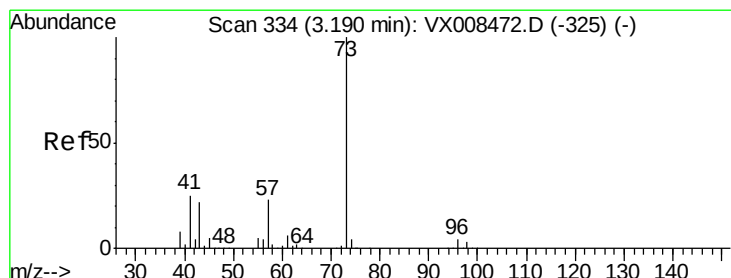
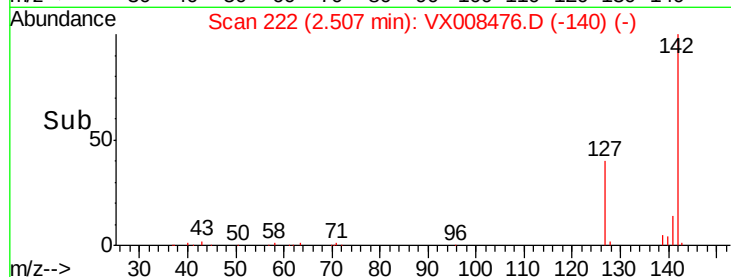
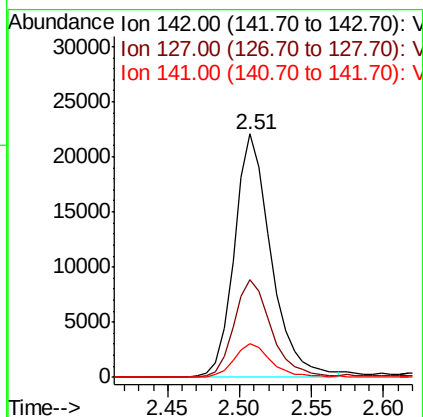
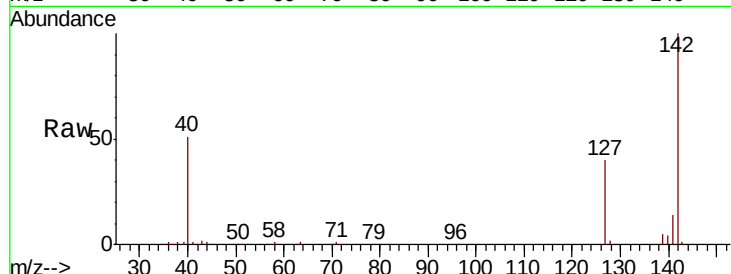




#11
Methyl Iodide
Concen: 14.848 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

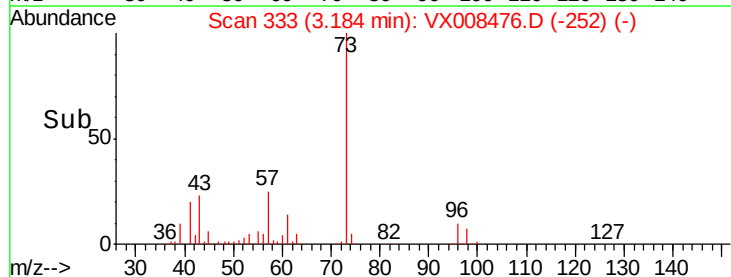
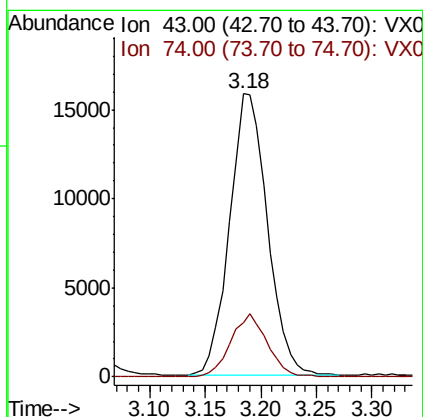
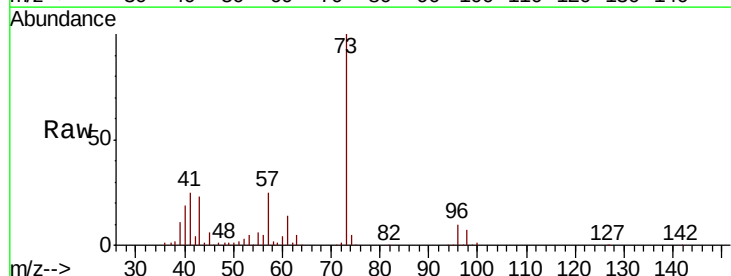
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032719

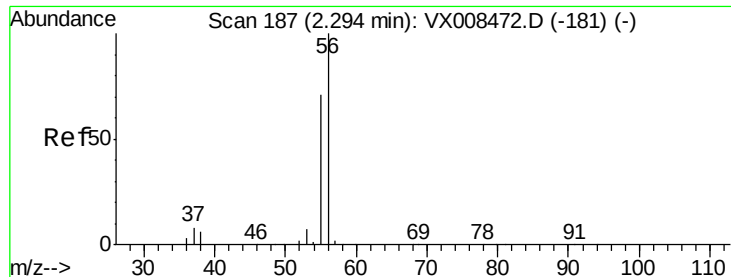
Tot Ion:142 Resp: 39301
Ion Ratio Lower Upper
142 100
127 40.3 22.1 66.5
141 13.5 7.4 22.3



#12
Methyl Acetate
Concen: 18.008 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Tgt Ion: 43 Resp: 37309
Ion Ratio Lower Upper
43 100
74 19.4 19.4 29.0





#13

Acrolein

Concen: 95.669 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

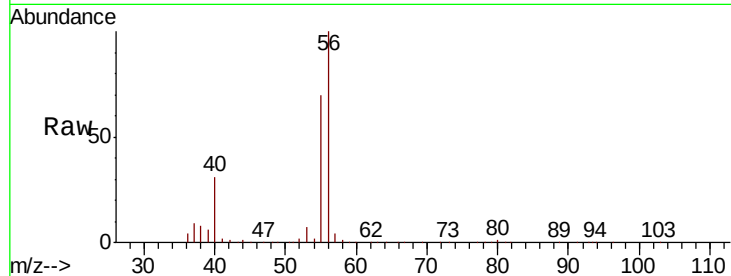
ICVVX032719

Tot Ion: 56 Resp: 56862

Ion Ratio Lower Upper

56 100

55 69.7 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

40000

30000

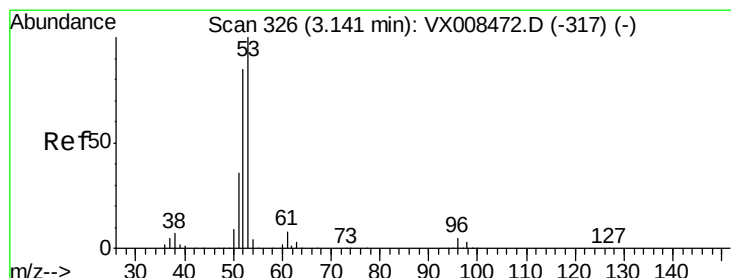
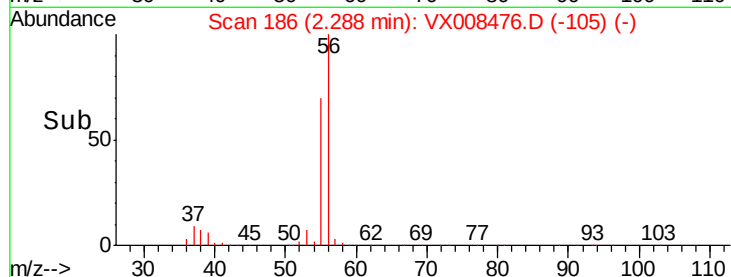
20000

10000

0

Time-->

2.20 2.25 2.30 2.35



#14

Acrylonitrile

Concen: 90.364 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

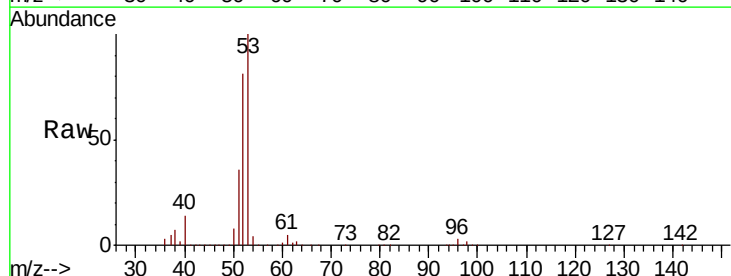
Tgt Ion: 53 Resp: 173088

Ion Ratio Lower Upper

53 100

52 81.9 41.3 124.1

51 36.1 17.5 52.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.14

100000

80000

60000

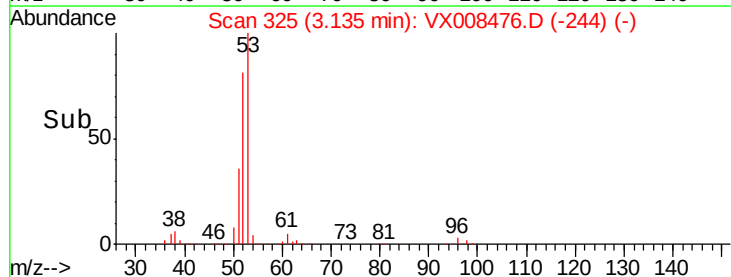
40000

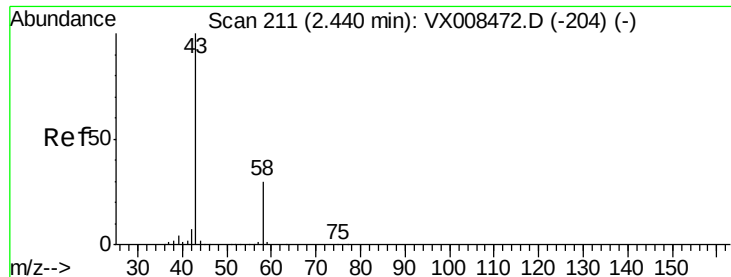
20000

0

Time-->

3.10 3.20





#15

Acetone

Concen: 87.012 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

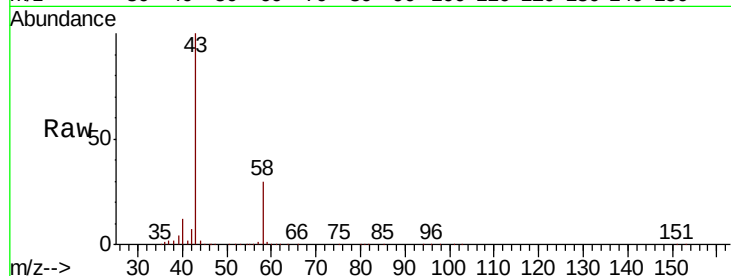
ICVVX032719

Tot Ion: 58 Resp: 51396

Ion Ratio Lower Upper

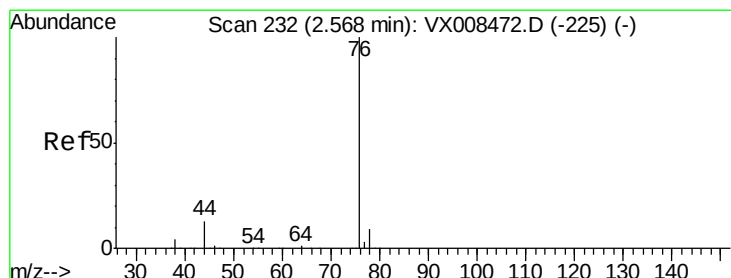
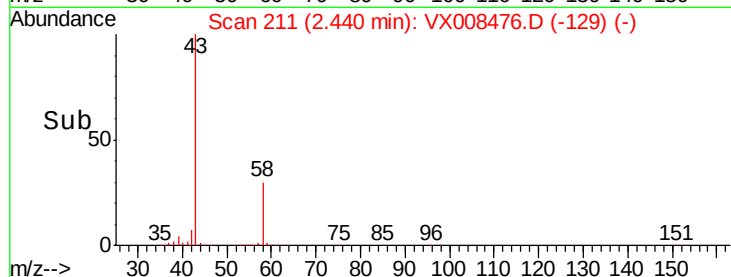
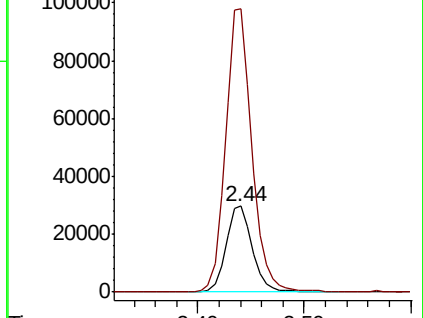
58 100

43 328.3 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.104 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008476.D

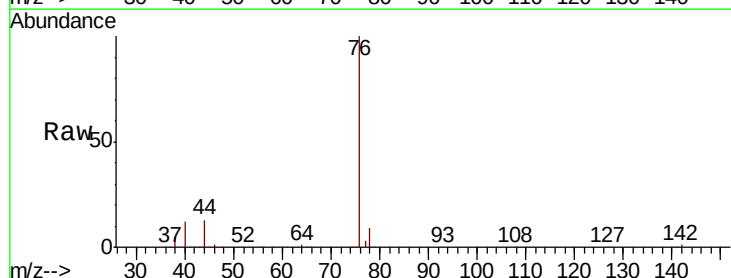
Acq: 27 Mar 2019 12:18

Tgt Ion: 76 Resp: 151909

Ion Ratio Lower Upper

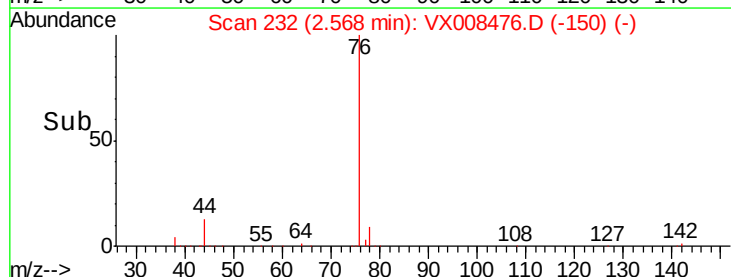
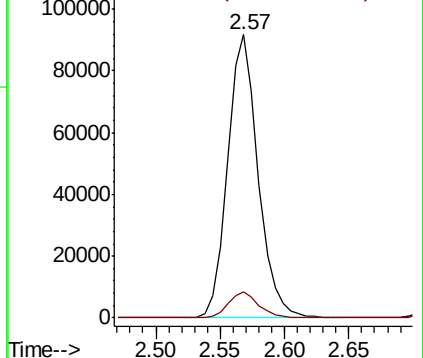
76 100

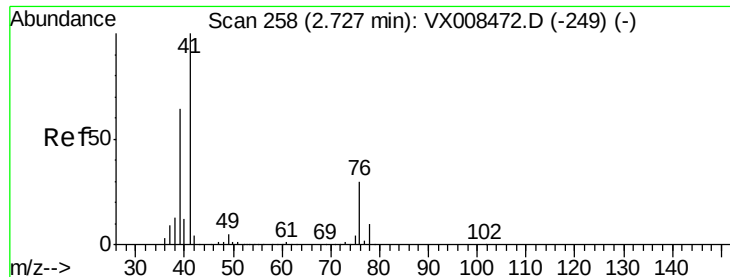
78 9.0 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

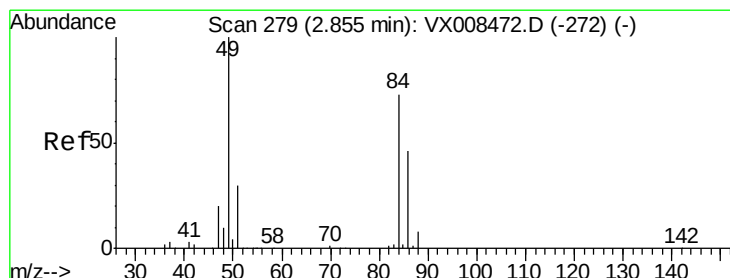
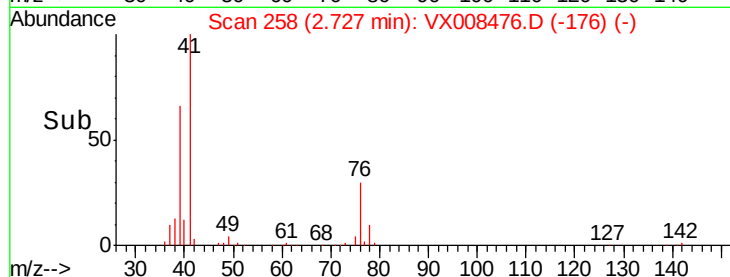
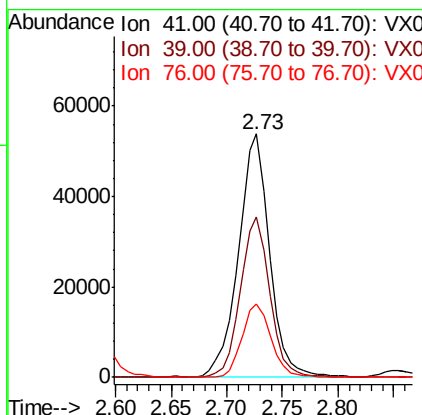
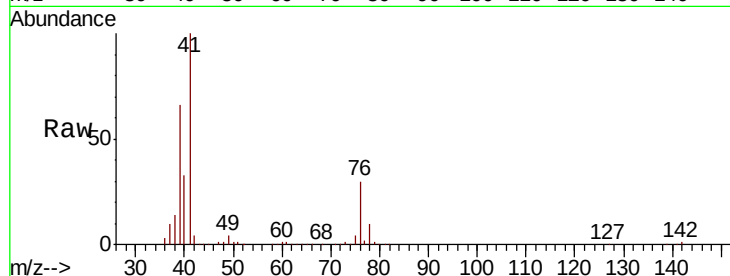




#17
Allvl chloride
Concen: 18.062 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

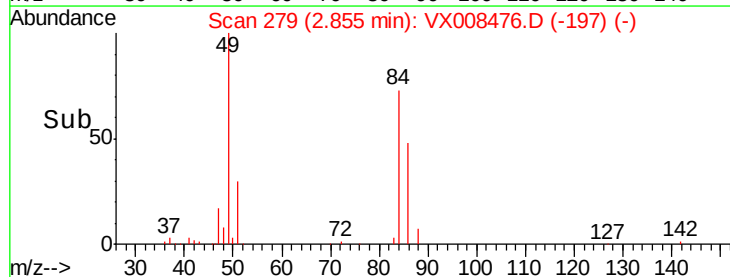
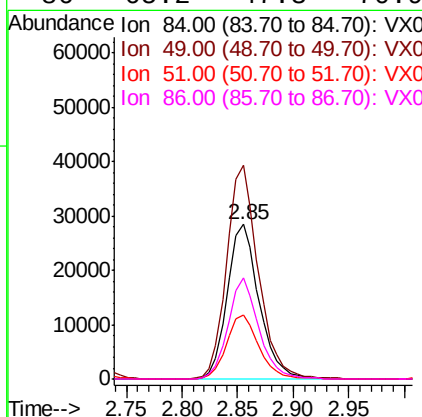
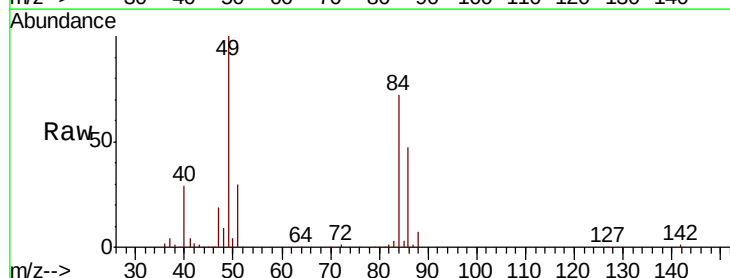
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032719

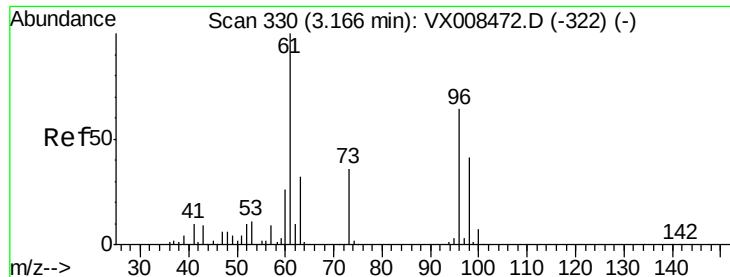
Tot Ion: 41 Resp: 103767
Ion Ratio Lower Upper
41 100
39 65.8 35.8 107.4
76 30.2 18.3 54.9



#18
Methylene Chloride
Concen: 18.508 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Tgt Ion: 84 Resp: 56553
Ion Ratio Lower Upper
84 100
49 137.6 96.1 144.1
51 41.7 29.1 43.7
86 65.2 47.3 70.9

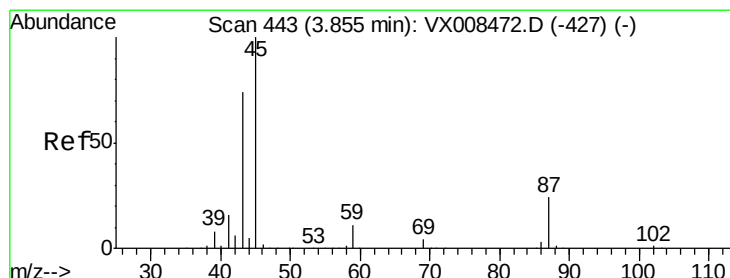
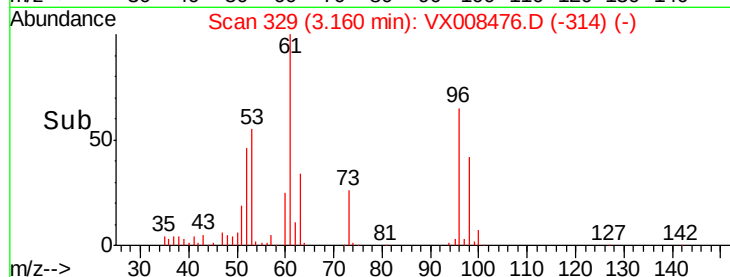
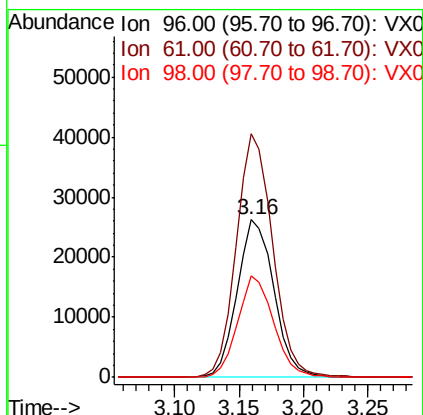
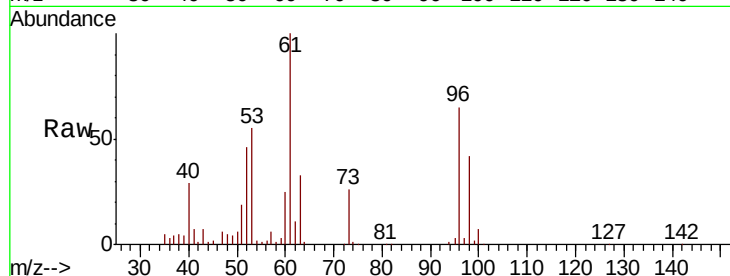




#19
trans-1,2-Dichloroethene
Concen: 19.004 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

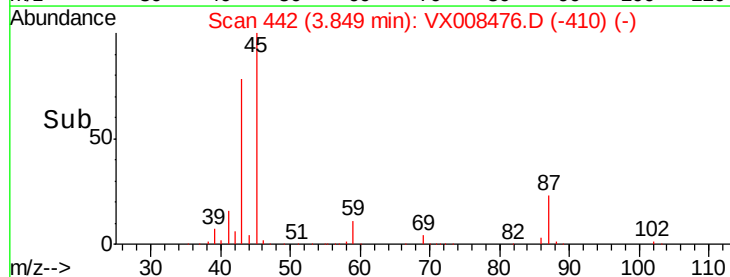
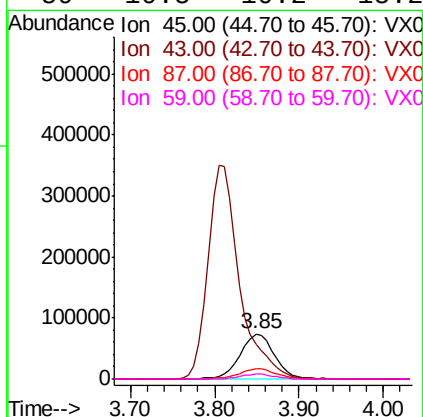
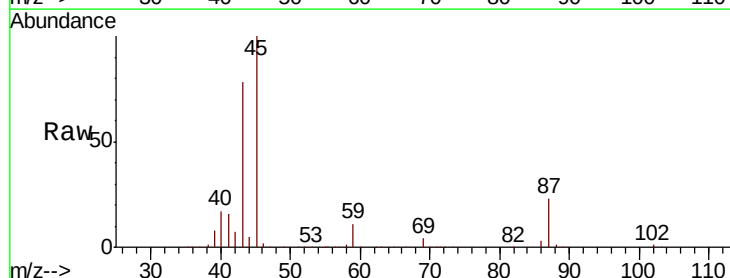
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032719

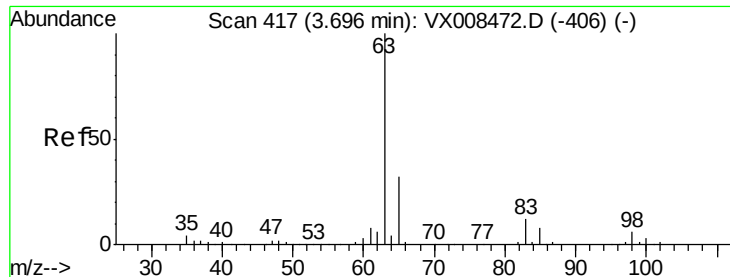
Tot Ion: 96 Resp: 51899
Ion Ratio Lower Upper
96 100
61 154.4 109.9 164.9
98 64.8 50.4 75.6



#20
Diisopropyl ether
Concen: 18.140 ug/l
RT: 3.85 min Scan# 442
Delta R.T. -0.01 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Tgt Ion: 45 Resp: 202840
Ion Ratio Lower Upper
45 100
43 77.0 50.6 76.0#
87 22.9 24.5 36.7#
59 10.5 10.2 15.2





#21

1,1-Dichloroethane

Concen: 18.447 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

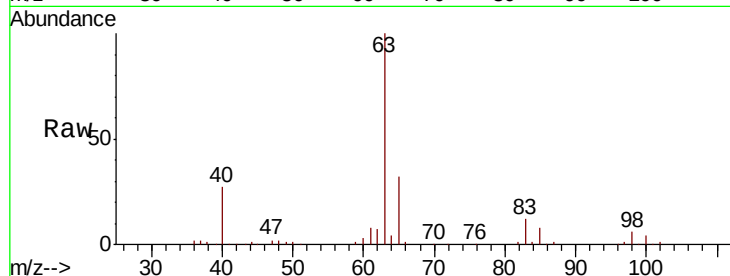
Tot Ion: 63 Resp: 103537

Ion Ratio Lower Upper

63 100

98 6.2 3.8 11.4

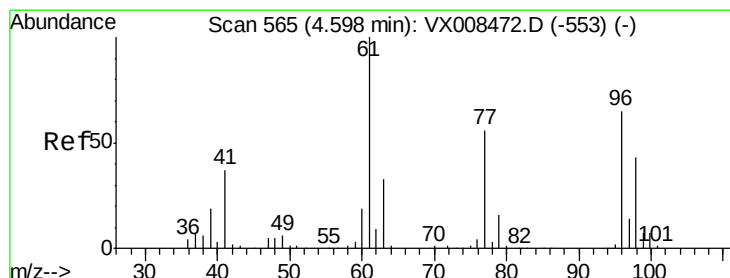
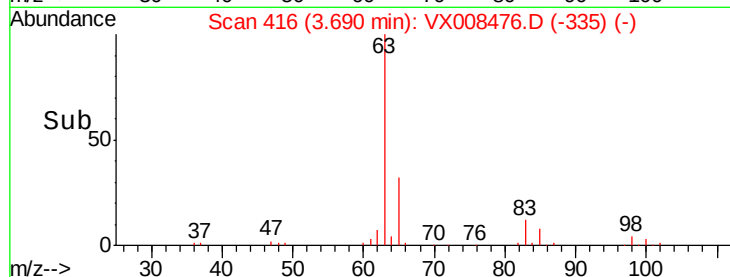
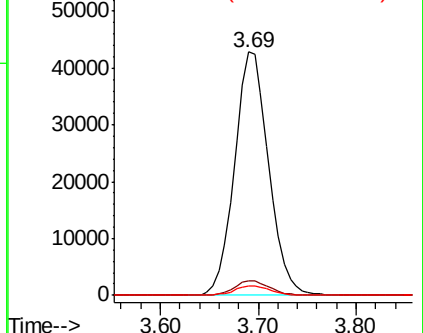
100 3.7 2.4 7.1



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: 18.588 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

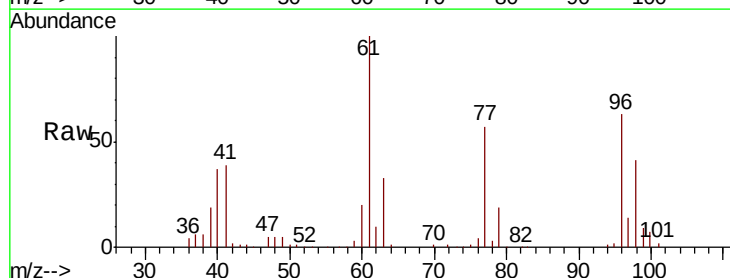
Tgt Ion: 96 Resp: 58662

Ion Ratio Lower Upper

96 100

61 160.8 103.5 155.3#

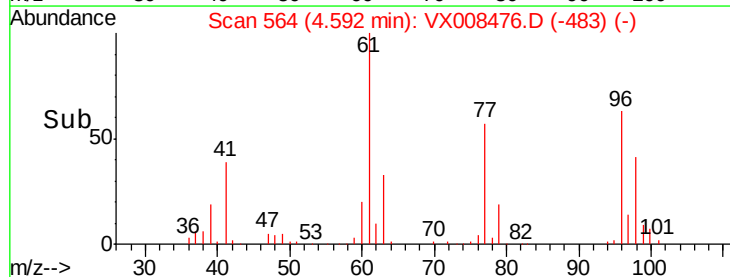
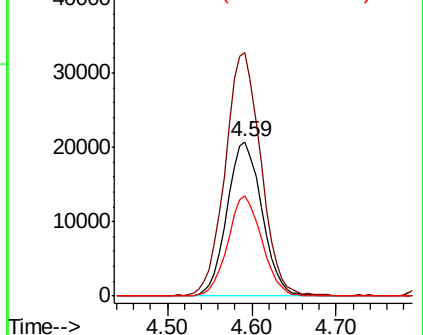
98 63.4 52.1 78.1

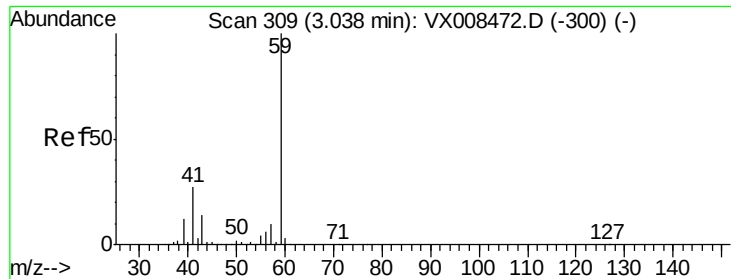


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 88.833 ug/l

RT: 3.04 min Scan# 309

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

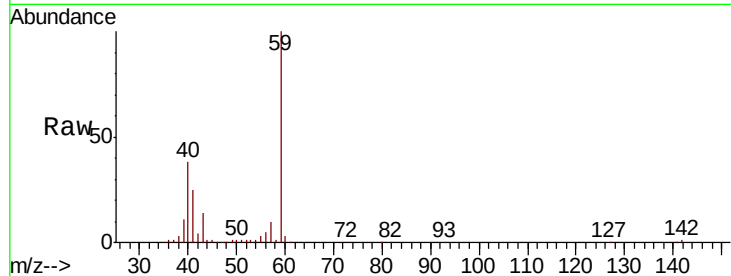
ICVVX032719

Tot Ion: 59 Resp: 68710

Ion Ratio Lower Upper

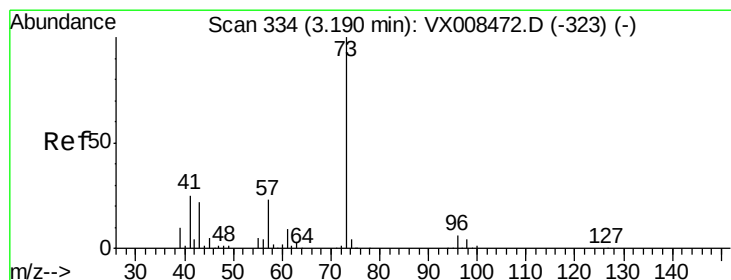
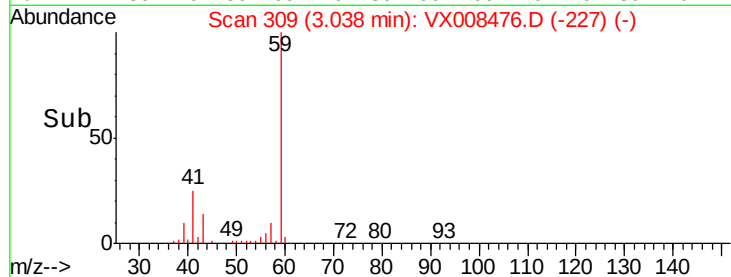
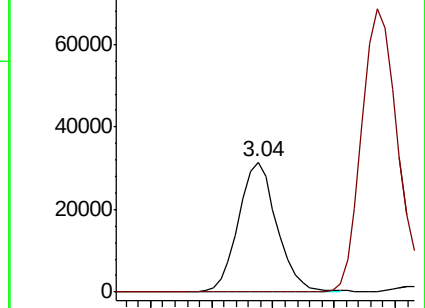
59 100

52 0.5 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 18.372 ug/l

RT: 3.19 min Scan# 334

Delta R.T. 0.00 min

Lab File: VX008476.D

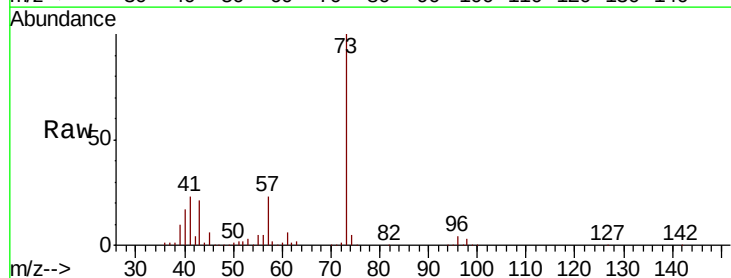
Acq: 27 Mar 2019 12:18

Tgt Ion: 73 Resp: 172595

Ion Ratio Lower Upper

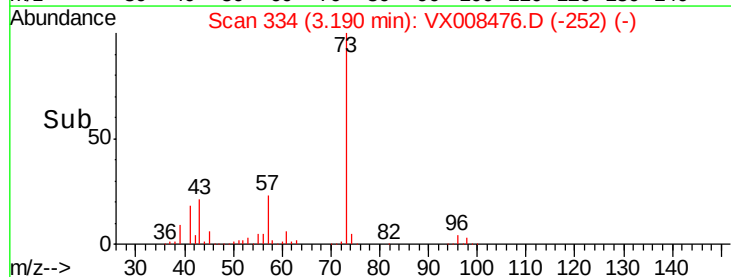
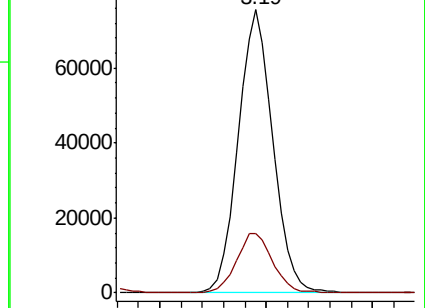
73 100

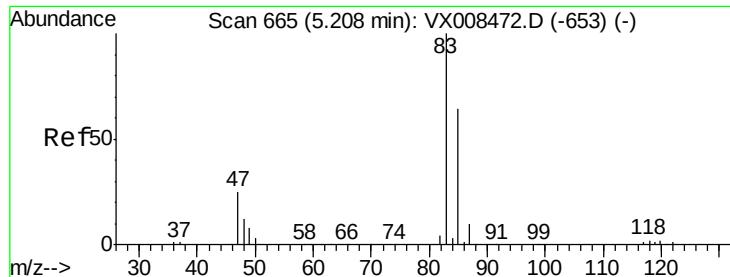
43 21.6 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 18.338 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

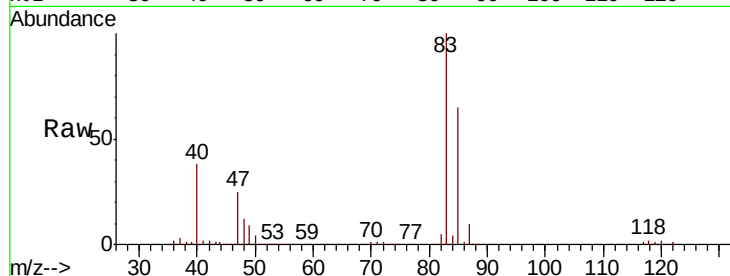
ICVVX032719

Tot Ion: 83 Resp: 93232

Ion Ratio Lower Upper

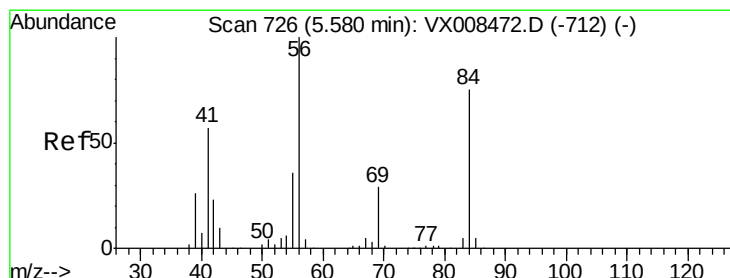
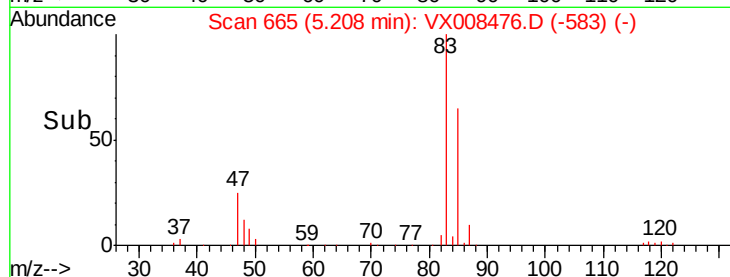
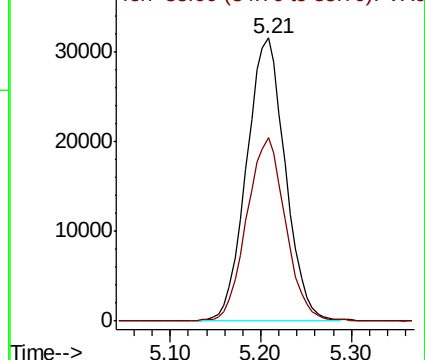
83 100

85 64.8 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: 18.757 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

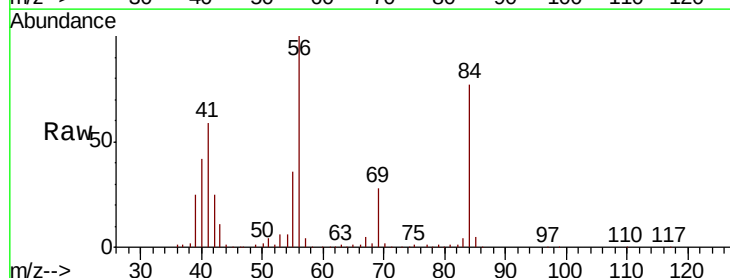
Tgt Ion: 56 Resp: 102276

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

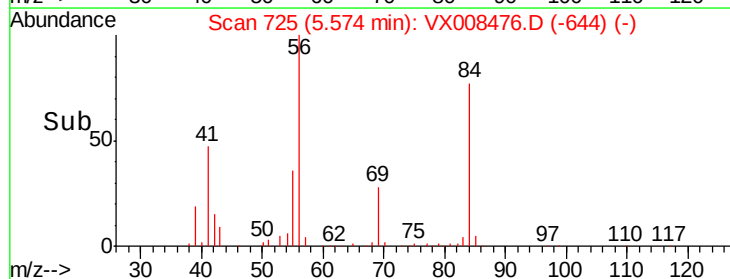
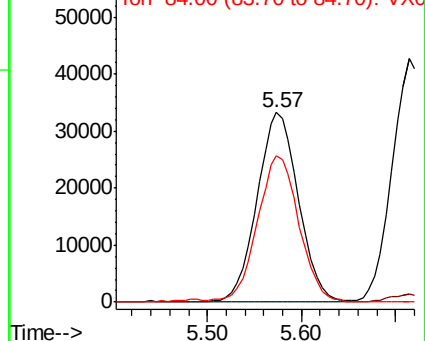
84 77.3 73.9 110.9

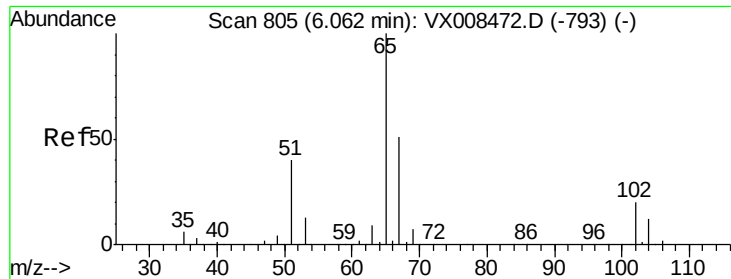


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

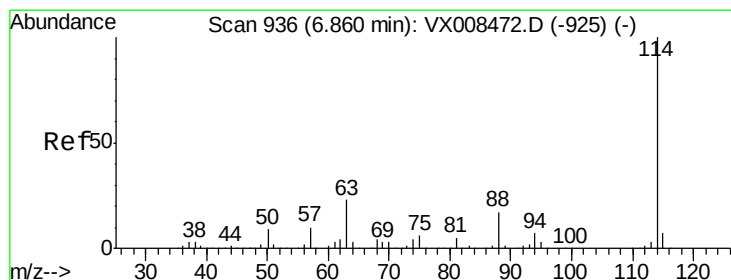
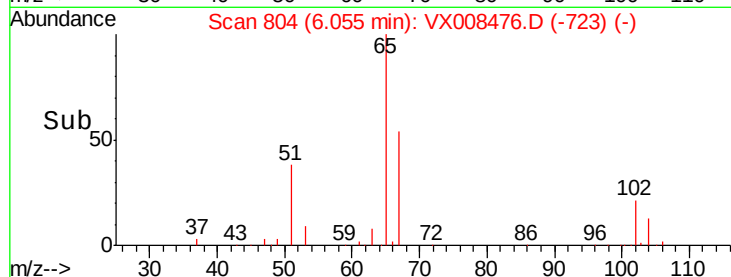
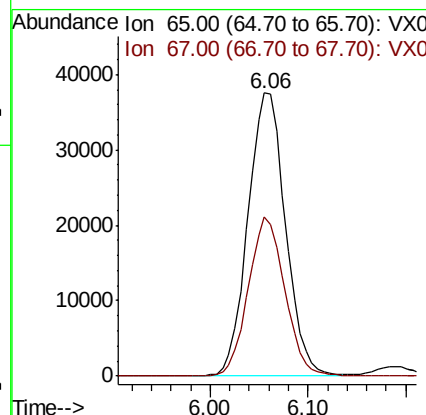
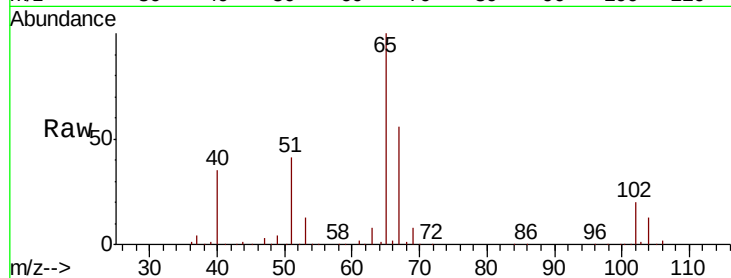




#27
 1,2-Dichloroethane-d4
 Concen: 29.689 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

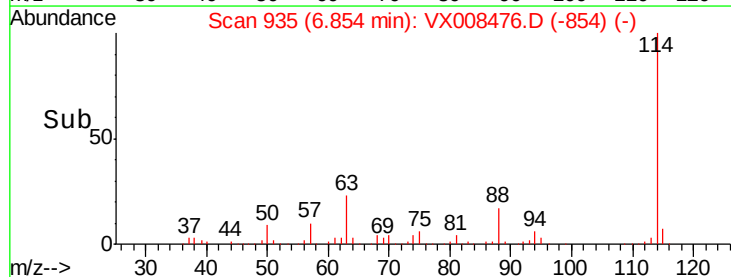
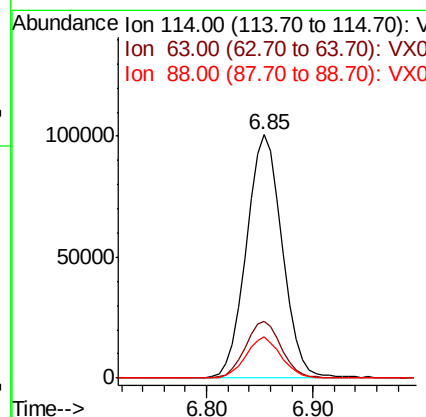
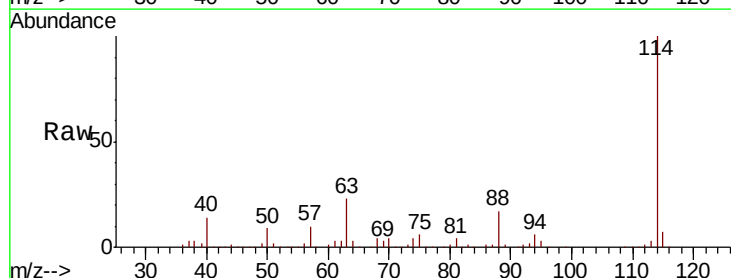
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032719

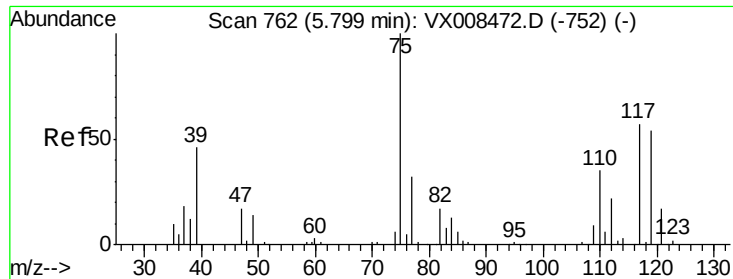
Tot Ion: 65 Resp: 100254
 Ion Ratio Lower Upper
 65 100
 67 54.6 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Tgt Ion: 114 Resp: 237975
 Ion Ratio Lower Upper
 114 100
 63 23.5 14.2 21.4#
 88 16.5 11.9 17.9





#29

1,1-Dichloropropene

Concen: 18.450 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

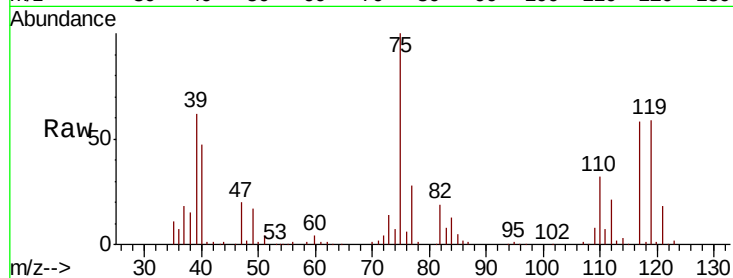
Tot Ion: 75 Resp: 73864

Ion Ratio Lower Upper

75 100

110 33.4 0.0 80.8

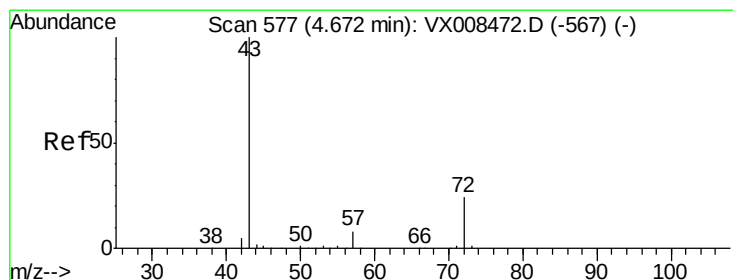
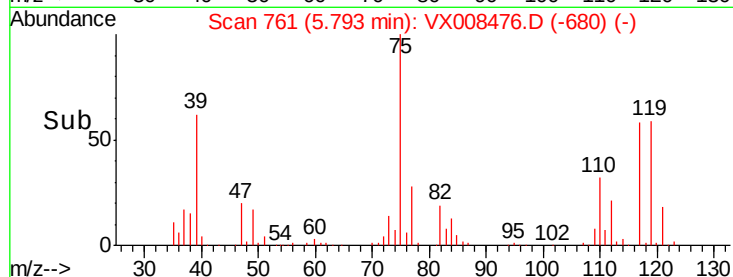
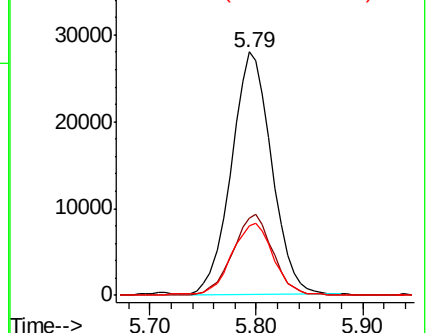
77 30.9 0.0 62.4



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: 87.306 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

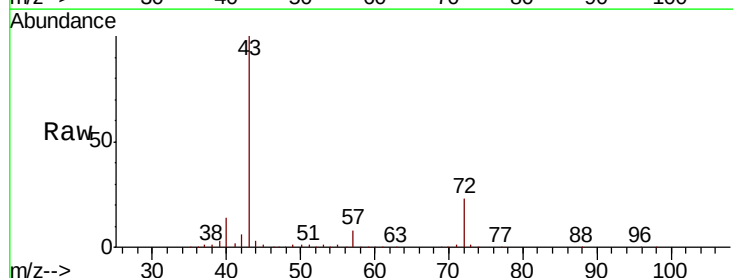
Tgt Ion: 43 Resp: 257030

Ion Ratio Lower Upper

43 100

57 7.8 7.0 10.6

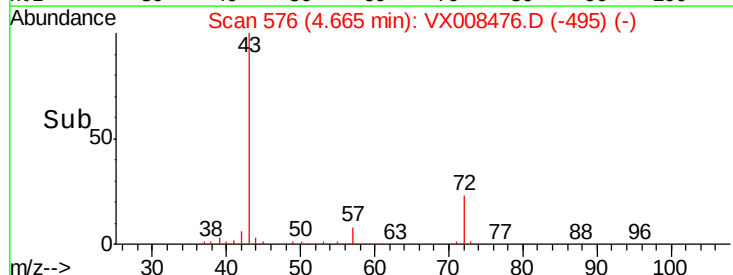
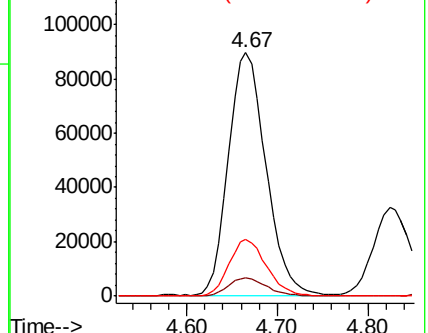
72 23.5 21.5 32.3

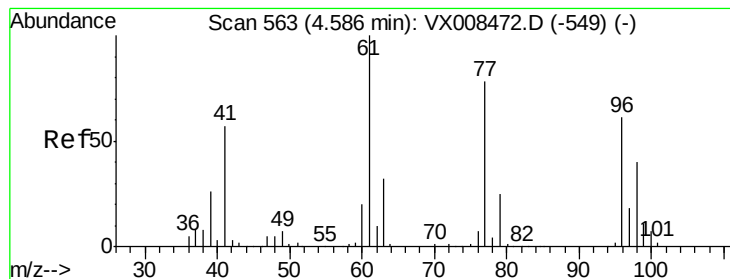


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 18.477 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

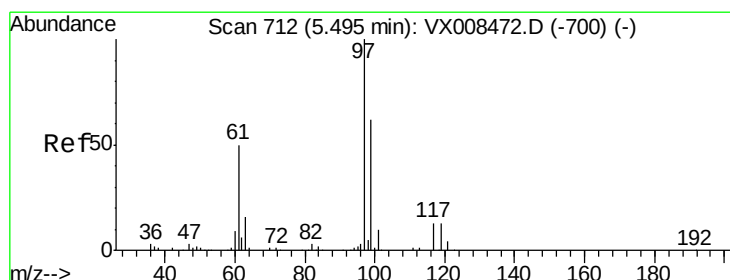
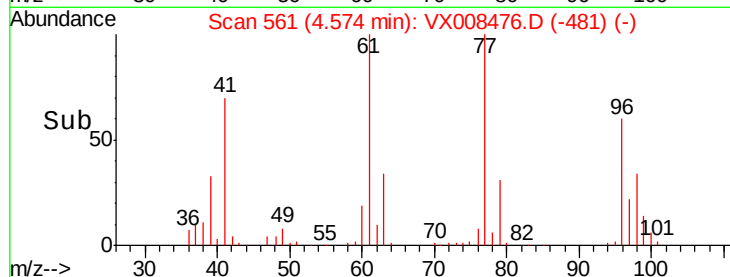
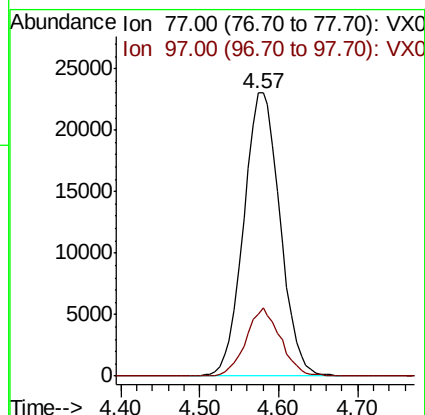
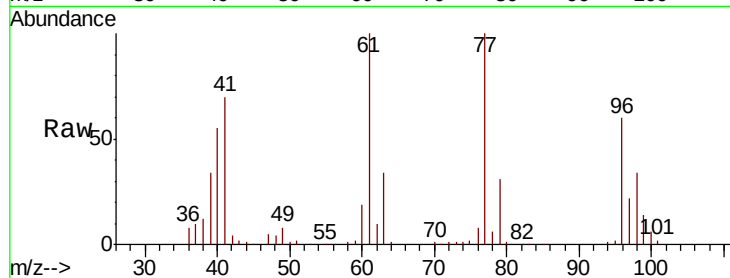
ICVVX032719

Tot Ion: 77 Resp: 73884

Ion Ratio Lower Upper

77 100

97 22.8 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 18.167 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

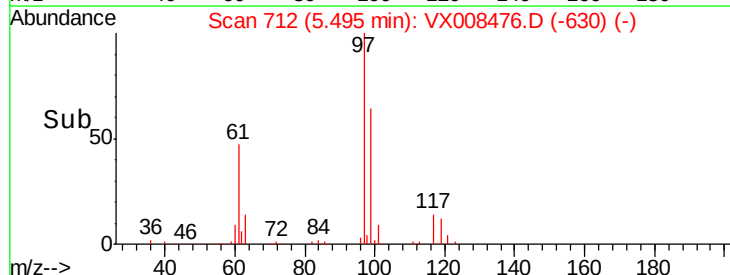
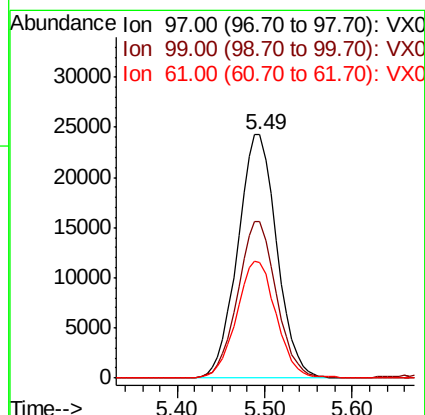
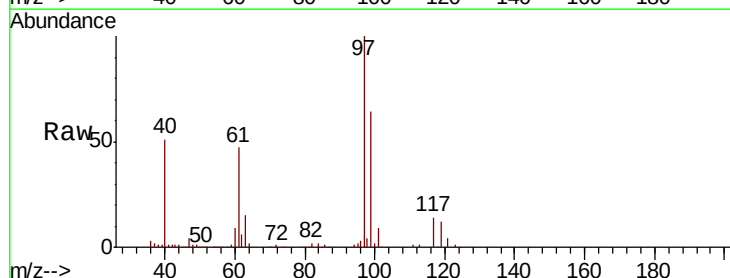
Tgt Ion: 97 Resp: 75529

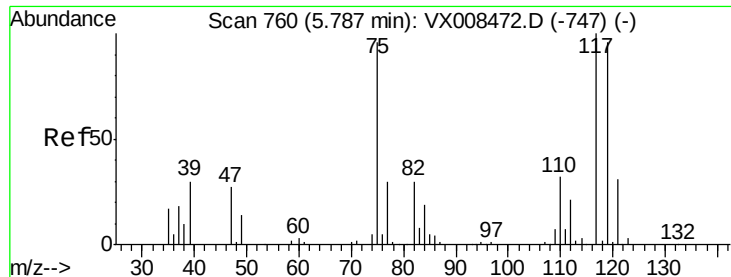
Ion Ratio Lower Upper

97 100

99 63.3 51.7 77.5

61 48.6 32.8 49.2





#33

Carbon Tetrachloride

Concen: 18.023 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

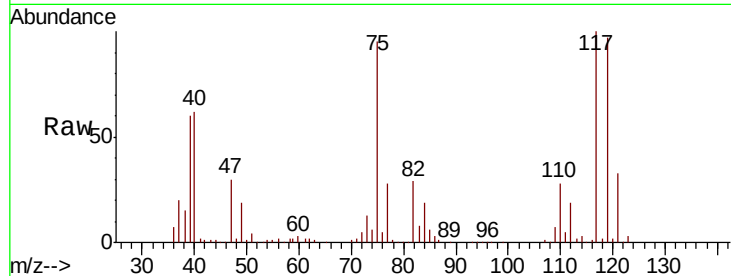
Tot Ion:117 Resp: 62692

Ion Ratio Lower Upper

117 100

119 97.3 78.1 117.1

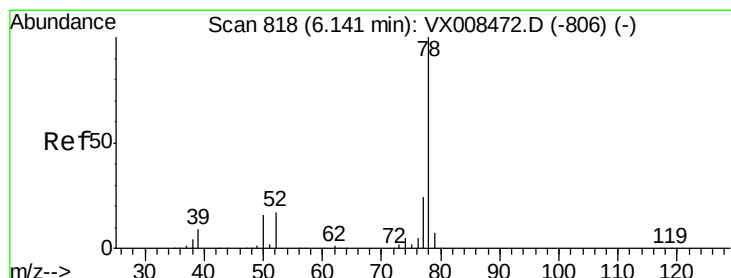
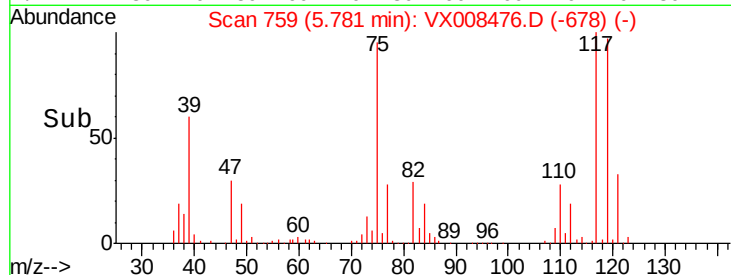
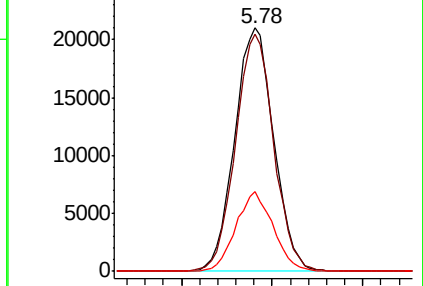
121 32.8 27.0 40.6



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: 18.253 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

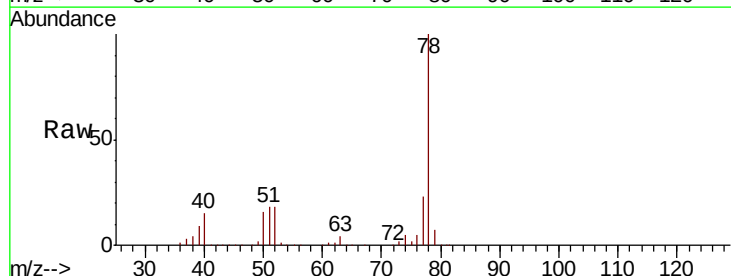
Tgt Ion: 78 Resp: 223379

Ion Ratio Lower Upper

78 100

77 23.1 19.1 28.7

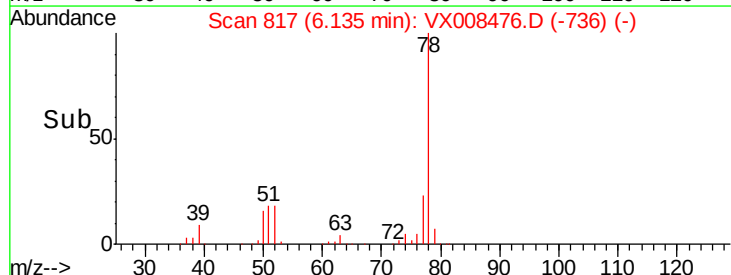
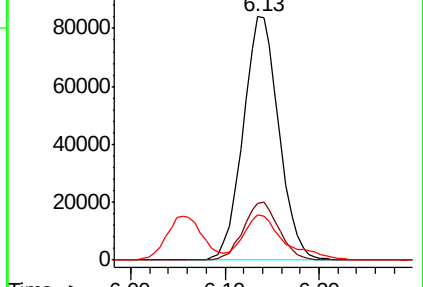
51 17.6 10.8 16.2#

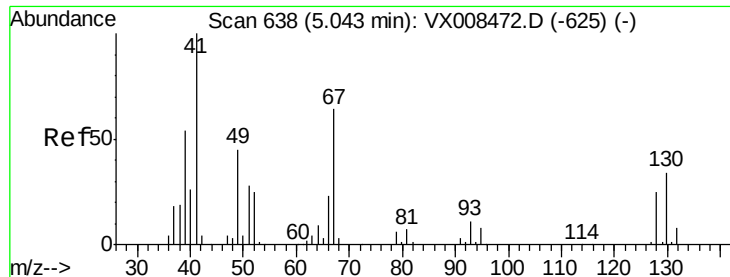


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

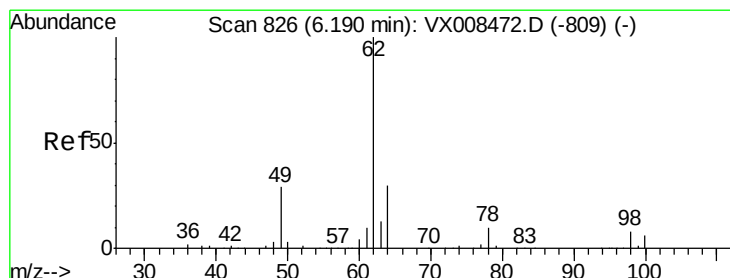
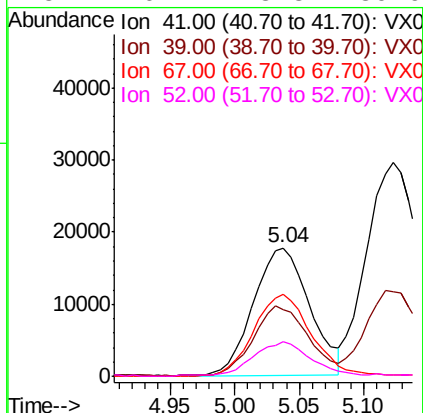
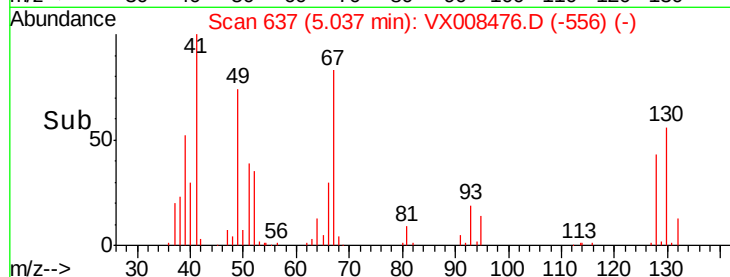
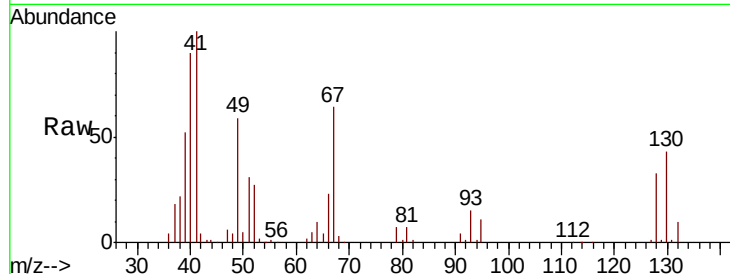




#35
Methacrylonitrile
Concen: 18.054 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

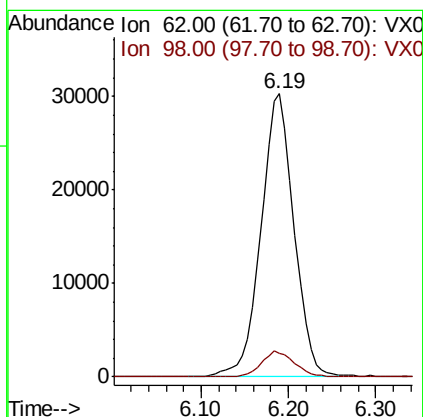
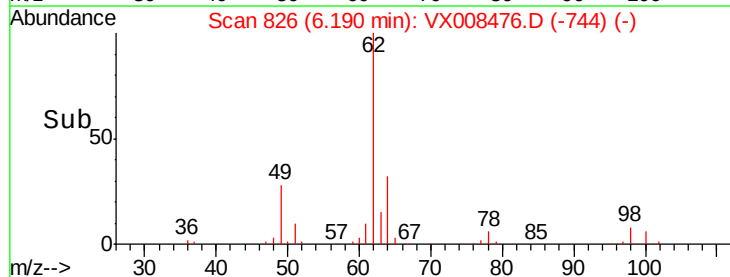
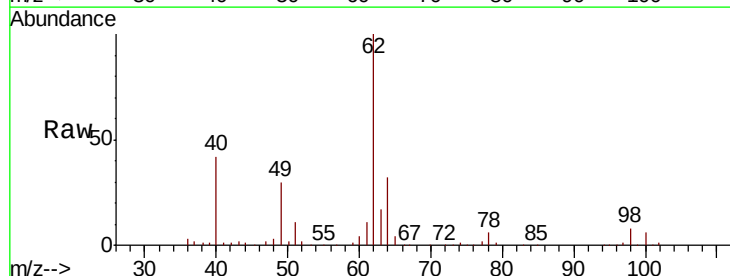
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032719

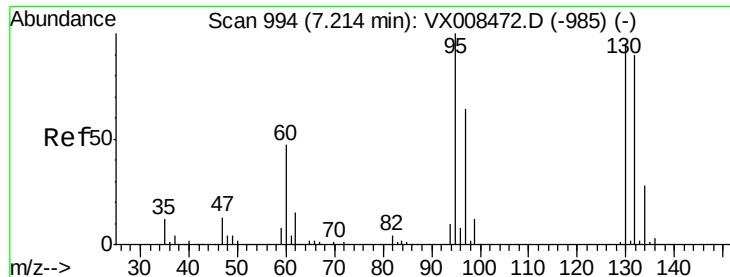
Tot Ion: 41 Resp: 54051
Ion Ratio Lower Upper
41 100
39 51.9 27.4 82.0
67 64.0 37.9 113.6
52 26.1 13.3 39.9



#36
1,2-Dichloroethane
Concen: 18.316 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Tgt Ion: 62 Resp: 79916
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.8

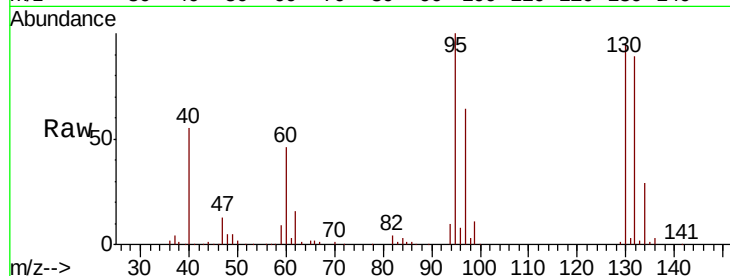




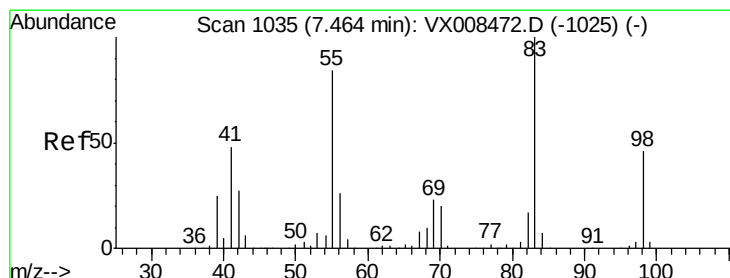
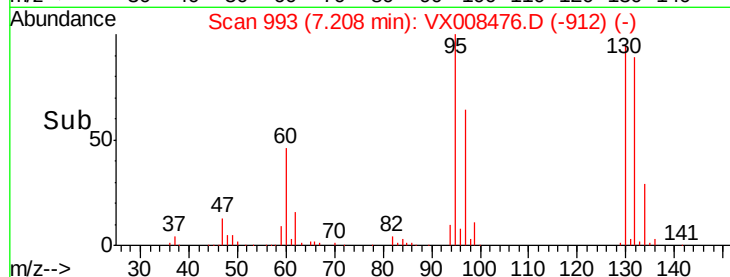
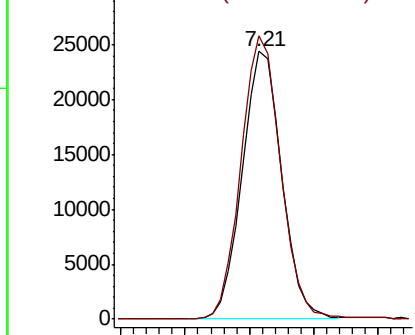
#37
 Trichloroethene
 Concen: 18.430 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032719

Tot Ion:130 Resp: 51869
 Ion Ratio Lower Upper
 130 100
 95 105.7 71.3 106.9

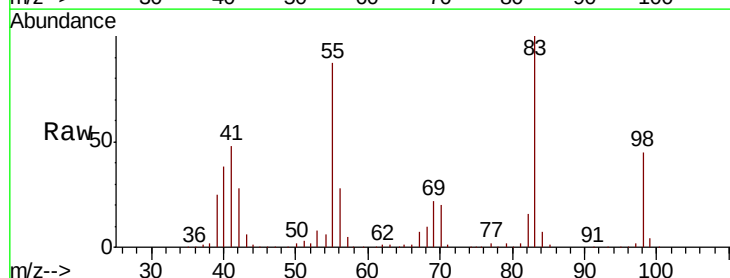


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

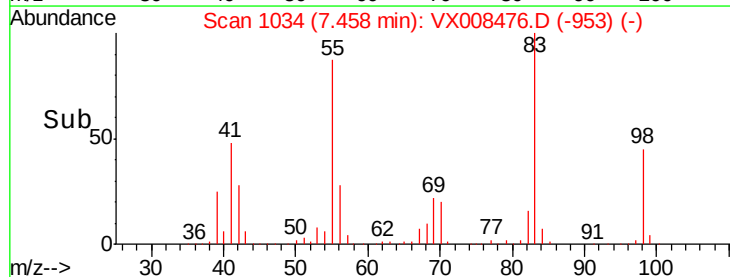
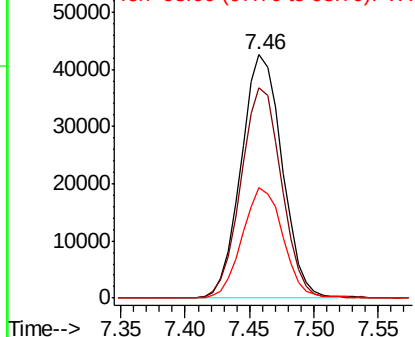


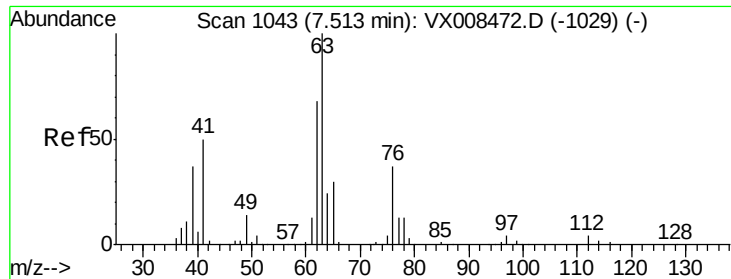
#38
 Methylcyclohexane
 Concen: 18.637 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Tgt Ion: 83 Resp: 94022
 Ion Ratio Lower Upper
 83 100
 55 85.6 36.0 108.0
 98 44.9 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: 18.002 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

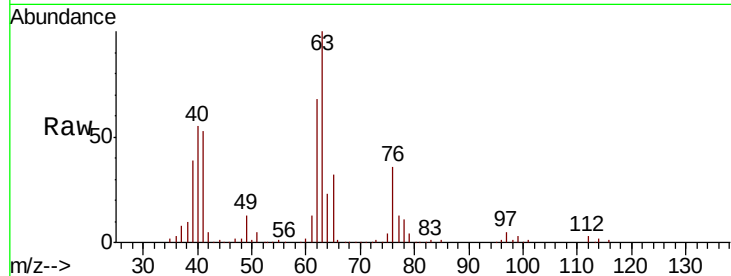
ICVVX032719

Tot Ion: 63 Resp: 62486

Ion Ratio Lower Upper

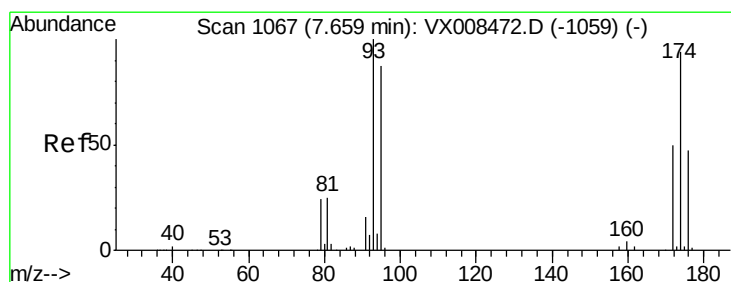
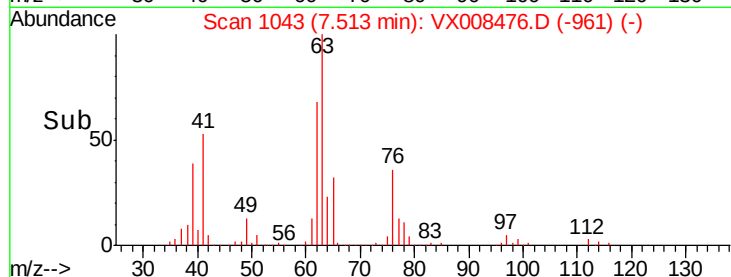
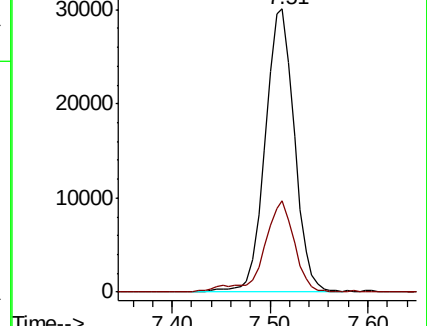
63 100

65 31.9 24.6 37.0



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 17.887 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

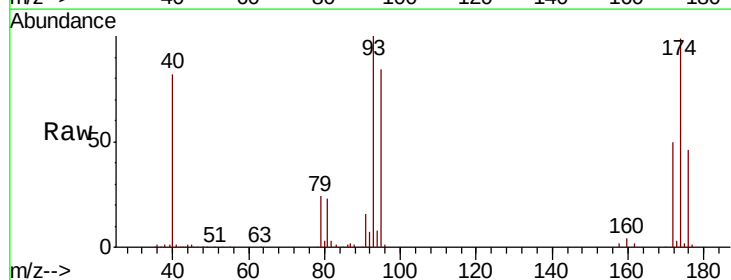
Tgt Ion: 93 Resp: 35966

Ion Ratio Lower Upper

93 100

95 84.2 0.0 158.8

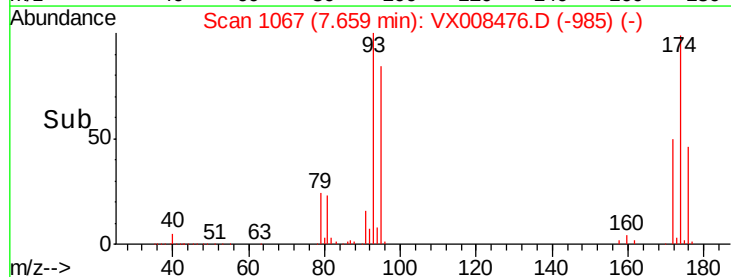
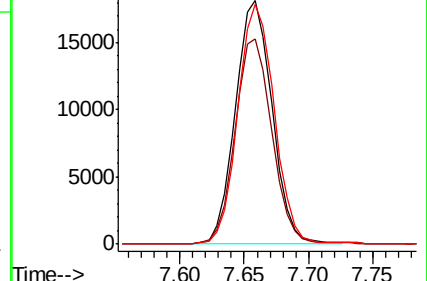
174 96.9 0.0 224.2

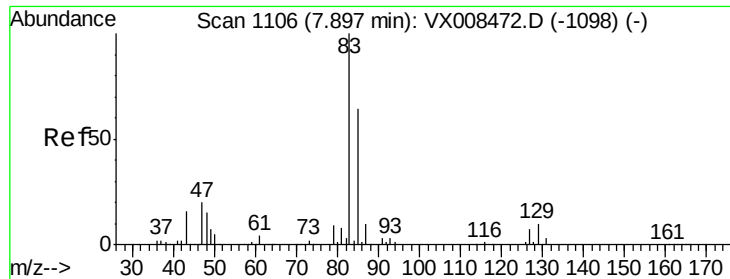


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 17.841 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

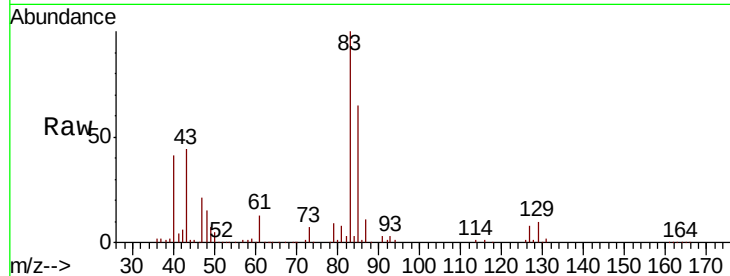
Tot Ion: 83 Resp: 70538

Ion Ratio Lower Upper

83 100

85 64.8 51.1 76.7

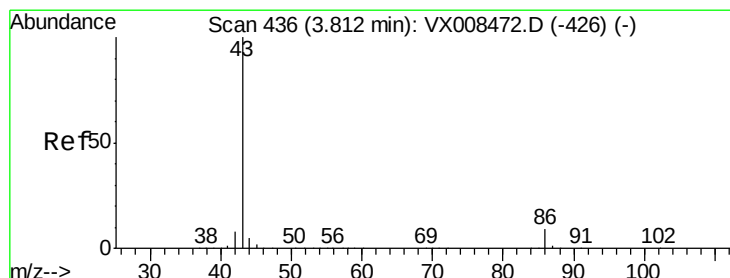
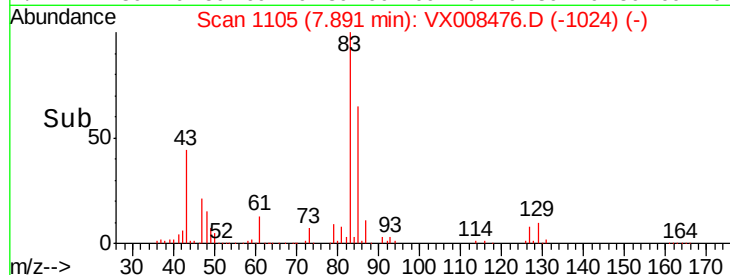
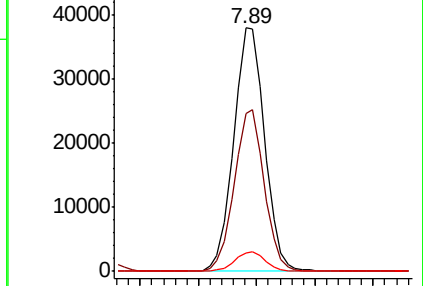
127 7.7 7.2 10.8



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: 91.195 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.01 min

Lab File: VX008476.D

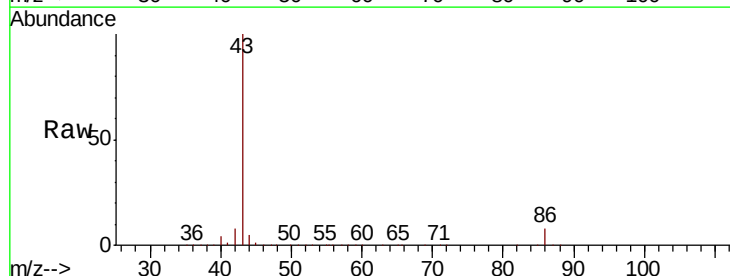
Acq: 27 Mar 2019 12:18

Tgt Ion: 43 Resp: 910132

Ion Ratio Lower Upper

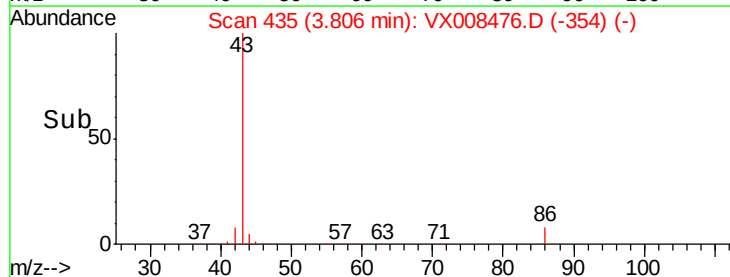
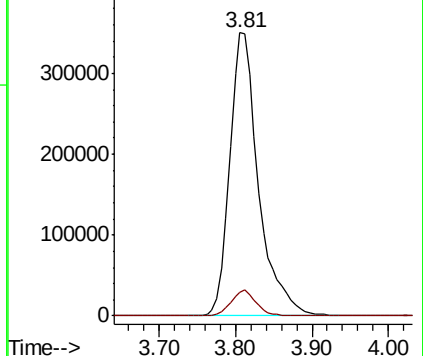
43 100

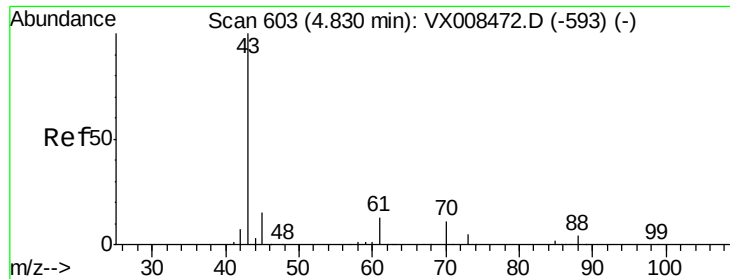
86 7.9 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 17.704 ug/l

RT: 4.82 min Scan# 602

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

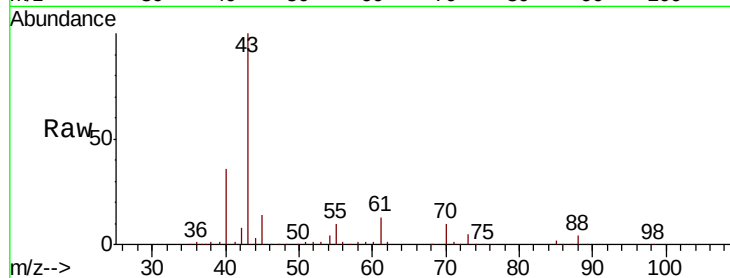
ICVVX032719

Tot Ion: 43 Resp: 93809

Ion Ratio Lower Upper

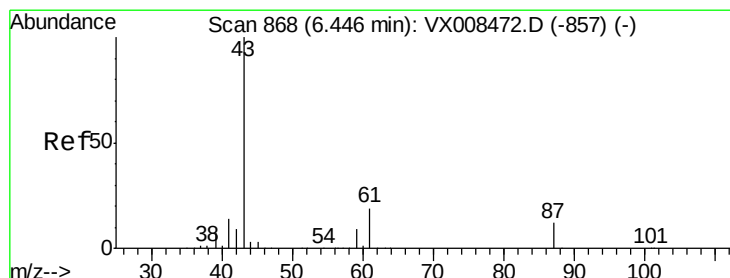
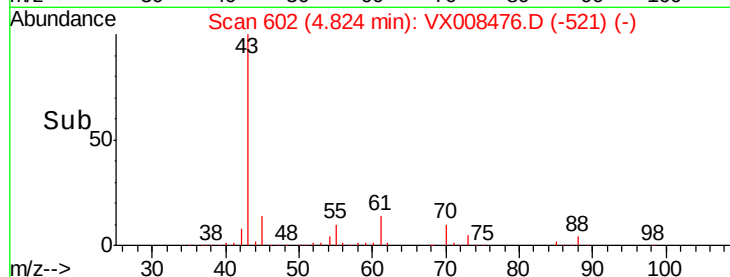
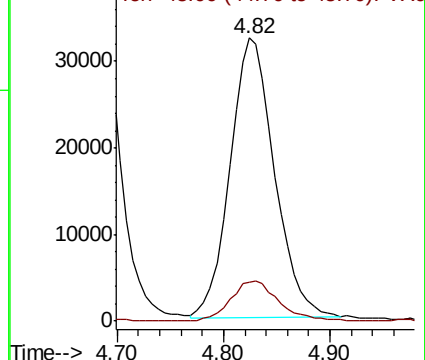
43 100

45 15.4 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 17.560 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX008476.D

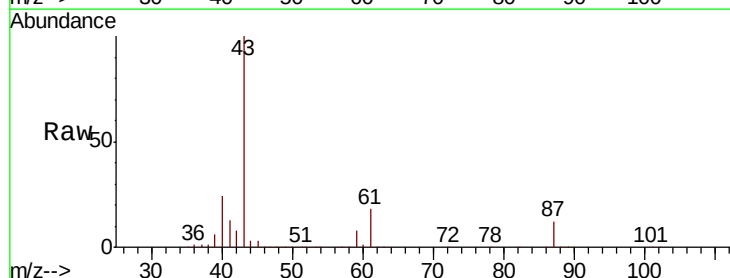
Acq: 27 Mar 2019 12:18

Tgt Ion: 43 Resp: 150455

Ion Ratio Lower Upper

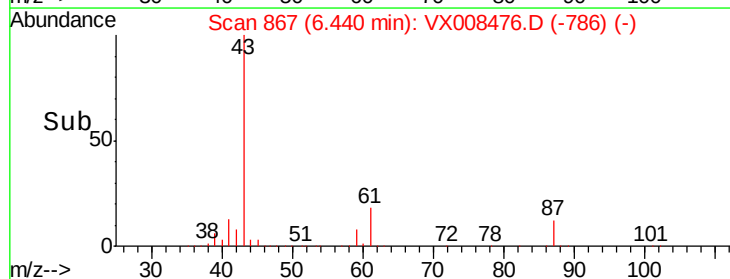
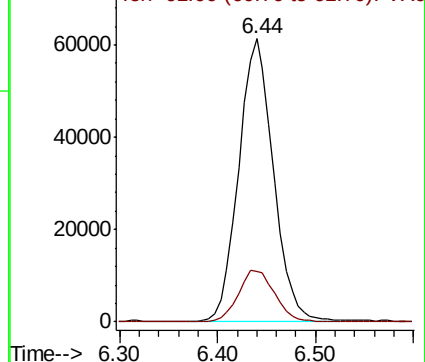
43 100

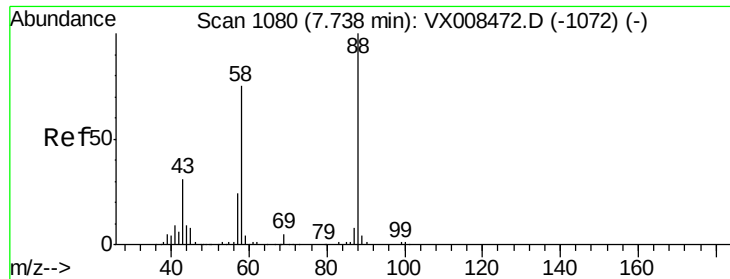
61 19.2 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

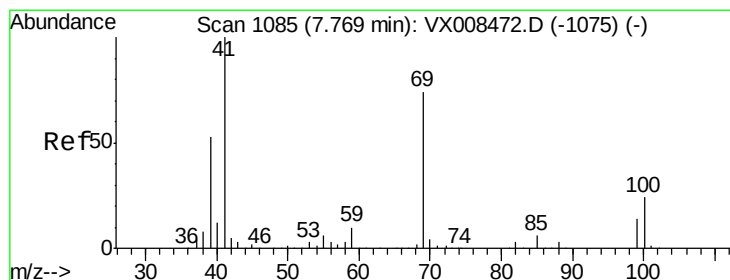
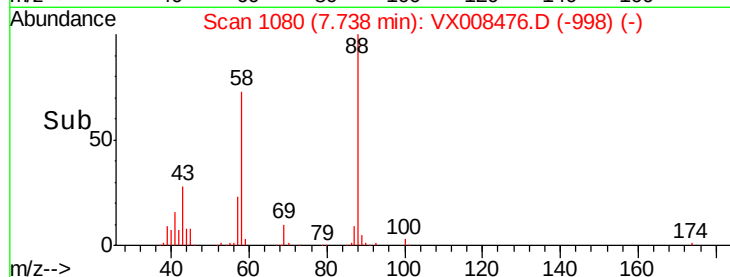
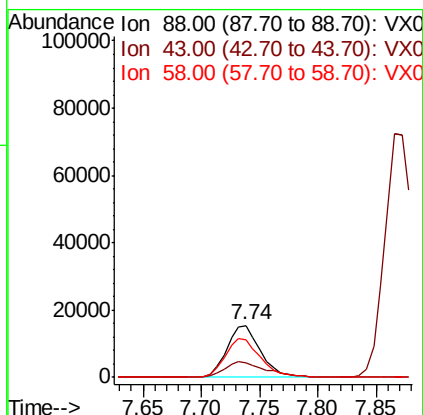
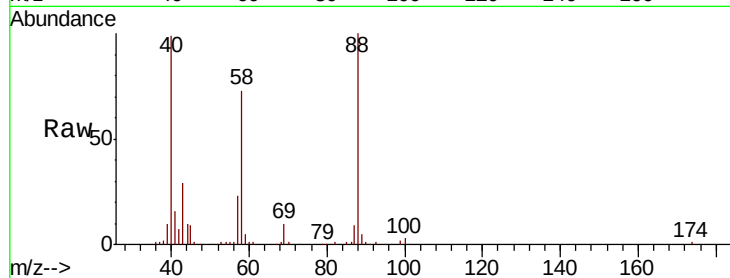




#45
 1,4-Dioxane
 Concen: 362.511 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

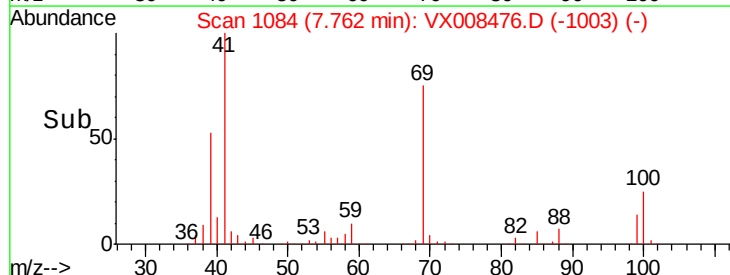
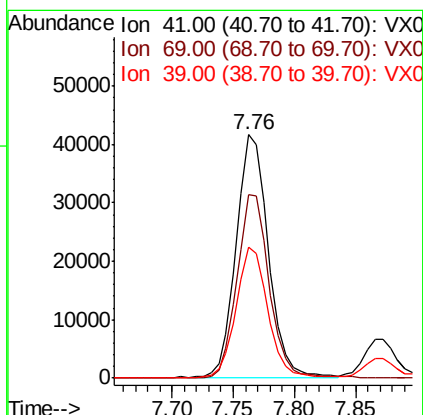
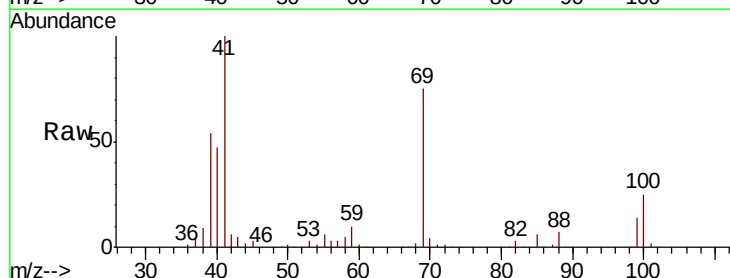
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032719

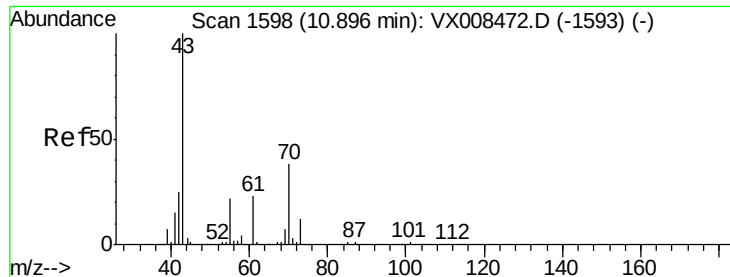
Tot Ion: 88 Resp: 30920
 Ion Ratio Lower Upper
 88 100
 43 35.4 23.6 35.4
 58 77.6 51.6 77.4#



#46
 Methyl methacrylate
 Concen: 17.412 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Tgt Ion: 41 Resp: 75770
 Ion Ratio Lower Upper
 41 100
 69 75.7 44.2 132.6
 39 53.5 29.9 89.8





#47

n-amvl Acetate

Concen: 17.426 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

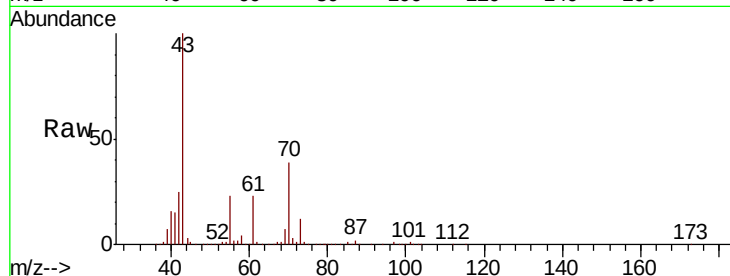
ICVVX032719

Tot Ion: 43 Resp: 135624

Ion Ratio Lower Upper

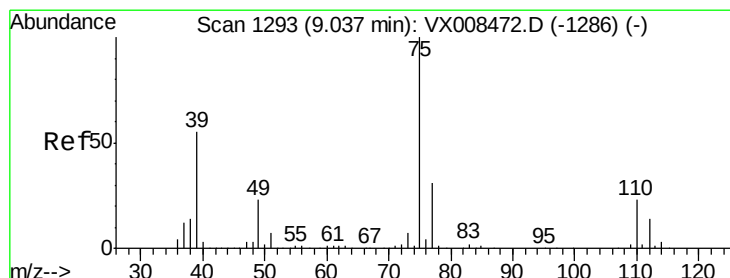
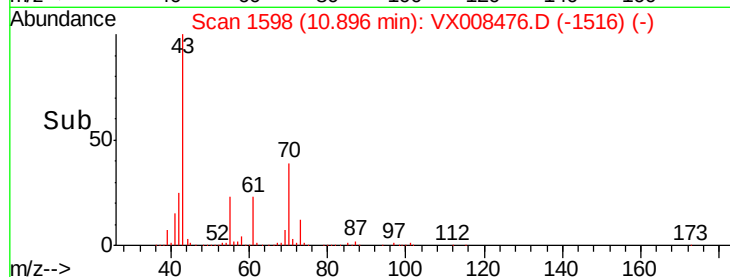
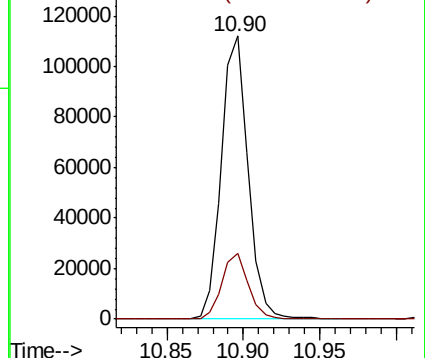
43 100

55 23.1 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: 17.842 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX008476.D

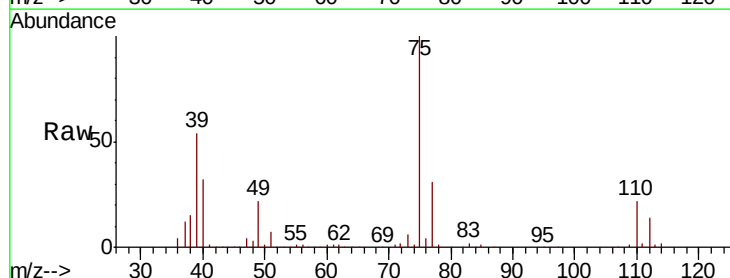
Acq: 27 Mar 2019 12:18

Tgt Ion: 75 Resp: 79678

Ion Ratio Lower Upper

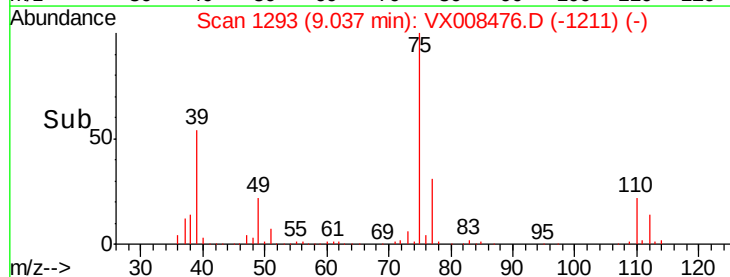
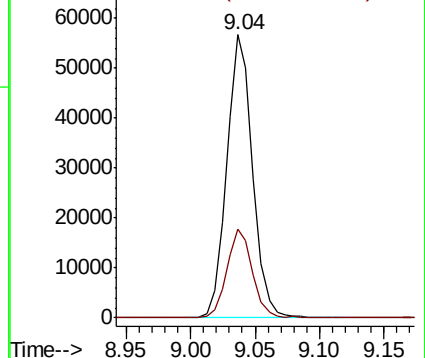
75 100

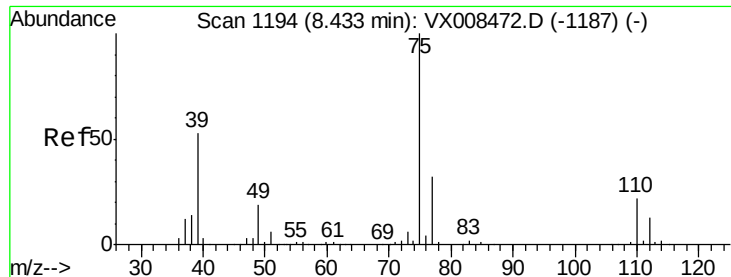
77 31.2 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



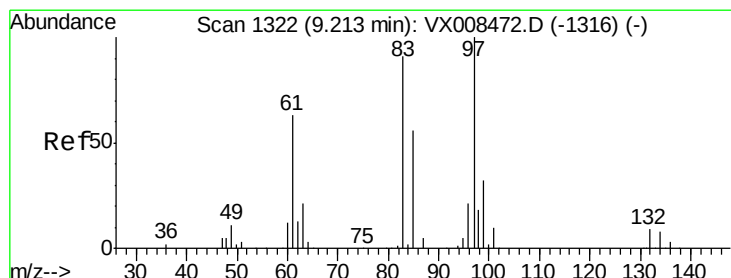
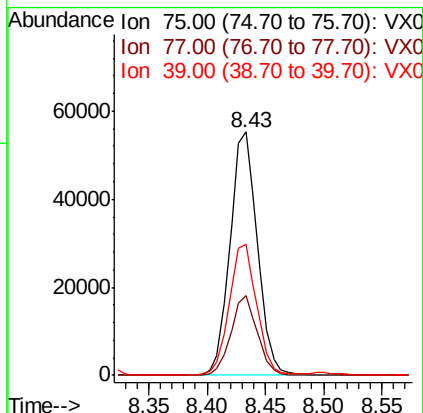
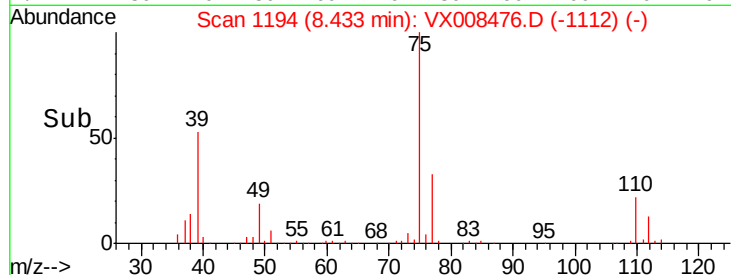
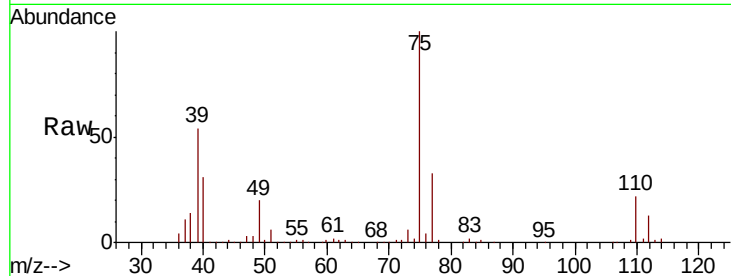


#49

cis-1,3-Dichloropropene
 Concen: 18.145 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032719

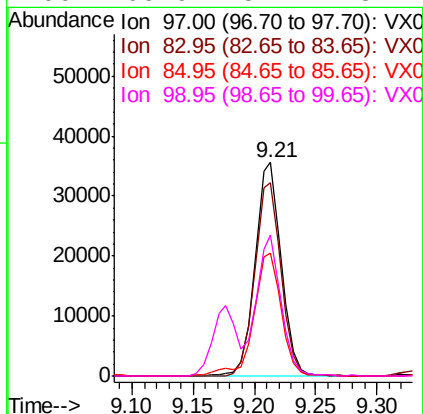
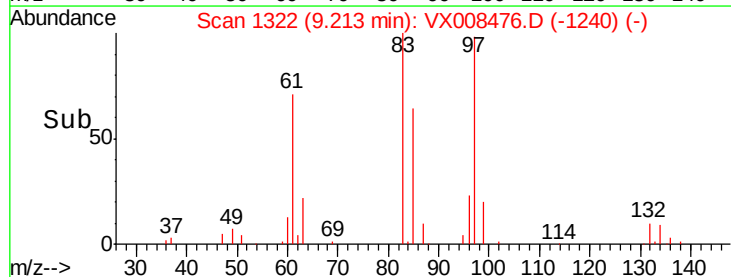
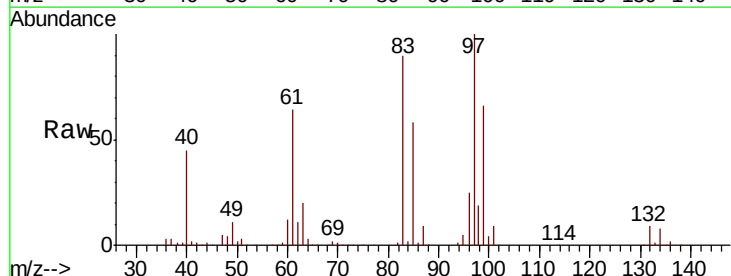
Tot Ion: 75 Resp: 90636
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.4
 39 53.4 38.5 57.7

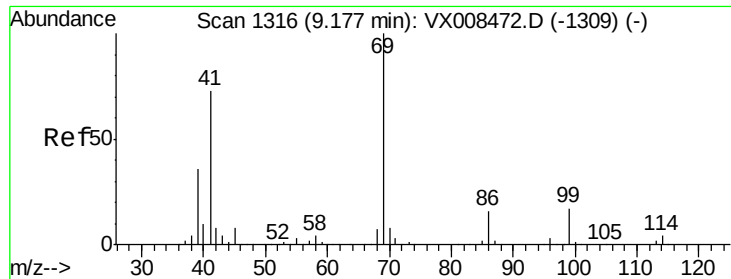


#50

1,1,2-Trichloroethane
 Concen: 17.822 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Tgt Ion: 97 Resp: 53210
 Ion Ratio Lower Upper
 97 100
 83 90.1 72.0 108.0
 85 57.5 45.0 67.6
 99 65.9 54.2 81.4





#51

Ethyl methacrylate

Concen: 17.533 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

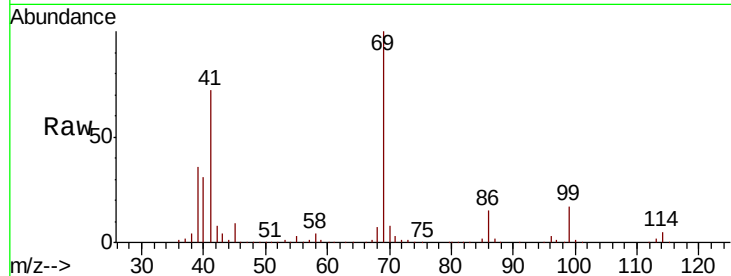
Tot Ion: 69 Resp: 97417

Ion Ratio Lower Upper

69 100

41 71.4 32.1 96.5

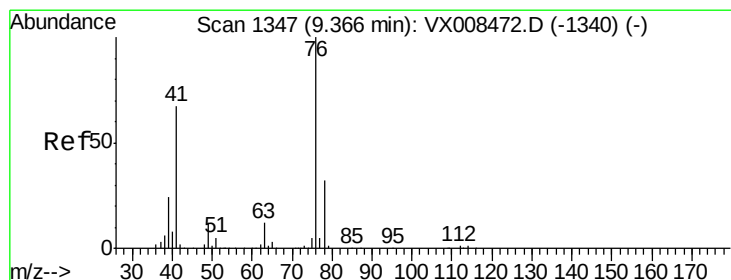
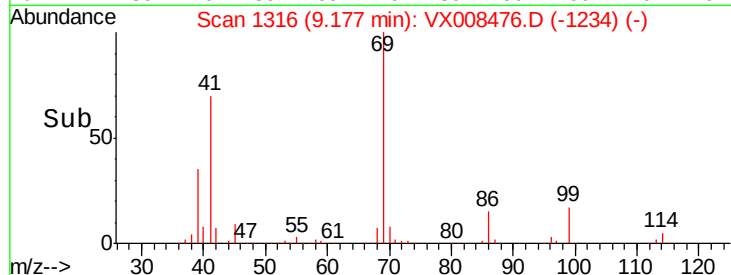
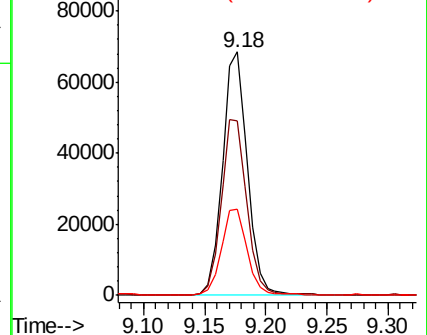
39 35.3 18.8 56.3



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: 17.902 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX008476.D

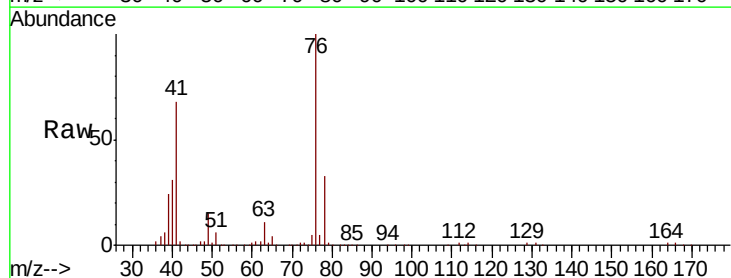
Acq: 27 Mar 2019 12:18

Tgt Ion: 76 Resp: 95094

Ion Ratio Lower Upper

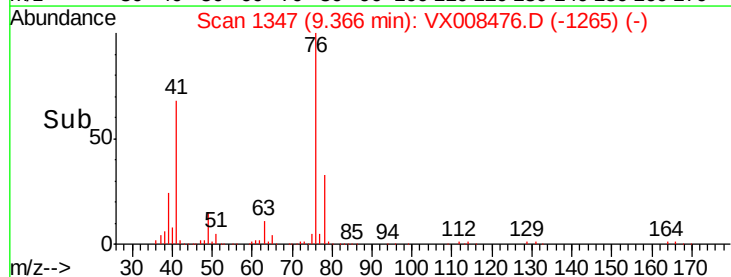
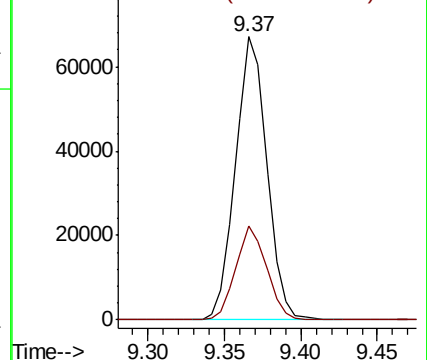
76 100

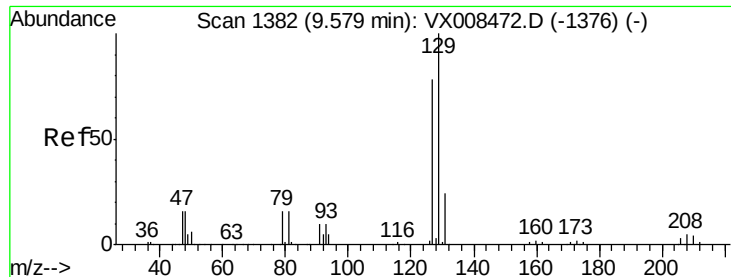
78 32.7 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 17.381 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

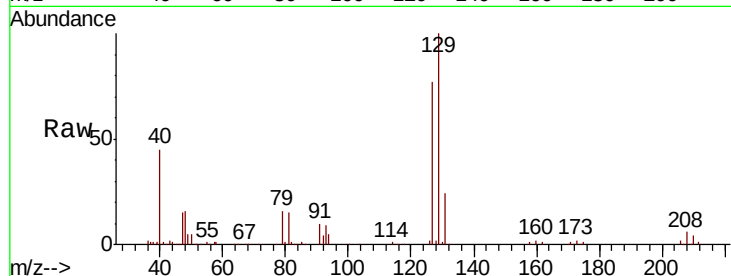
ICVVX032719

Tot Ion:129 Resp: 51067

Ion Ratio Lower Upper

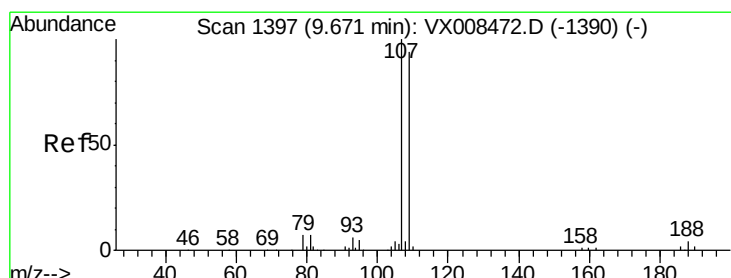
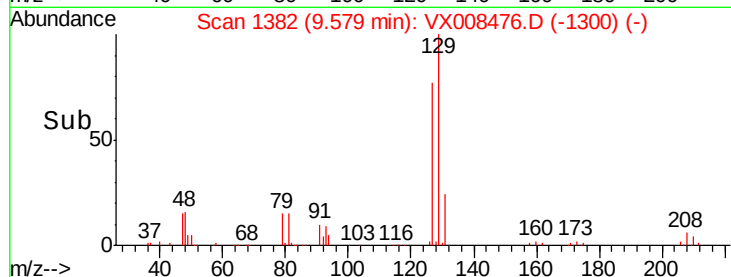
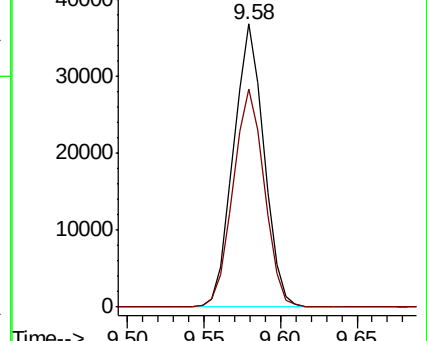
129 100

127 78.5 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: 17.722 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008476.D

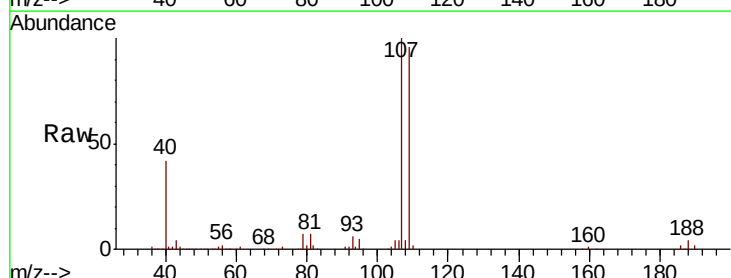
Acq: 27 Mar 2019 12:18

Tgt Ion:107 Resp: 54546

Ion Ratio Lower Upper

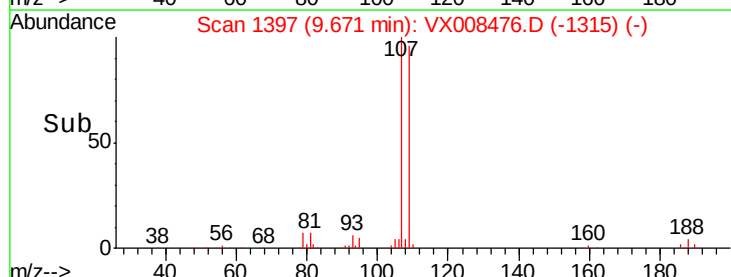
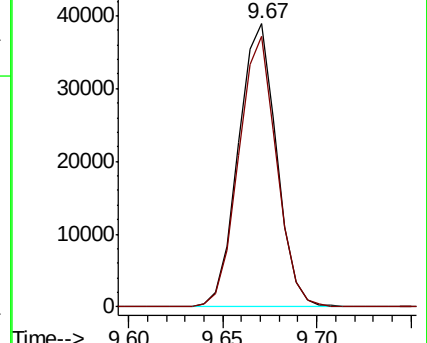
107 100

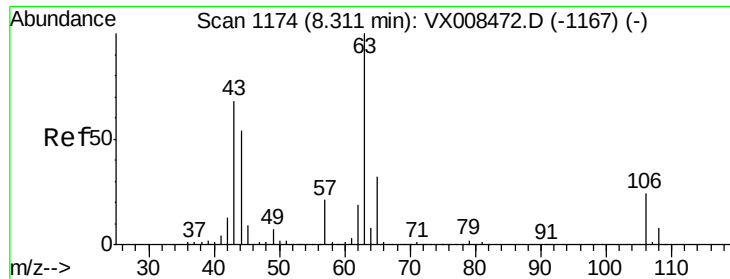
109 95.1 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

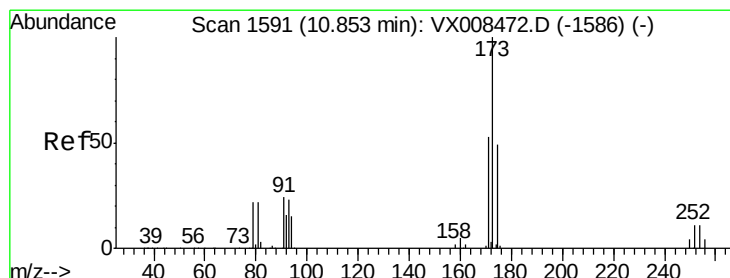
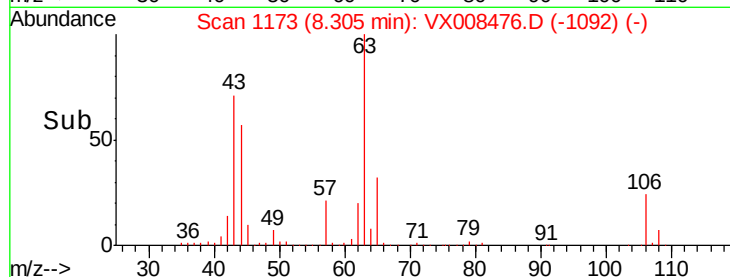
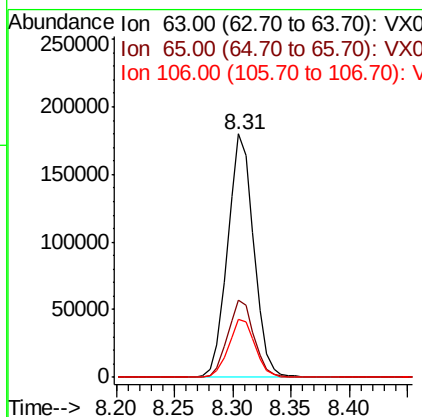
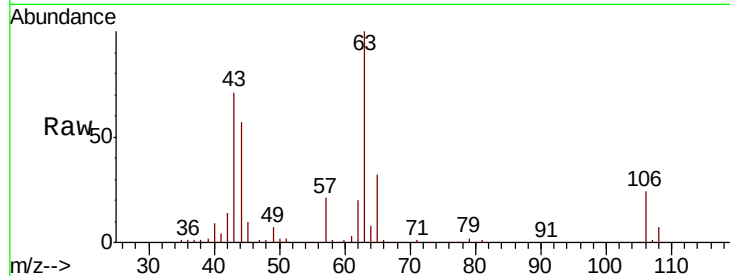




#55
2-Chloroethyl vinyl ether
Concen: 100.110 ug/l
RT: 8.31 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

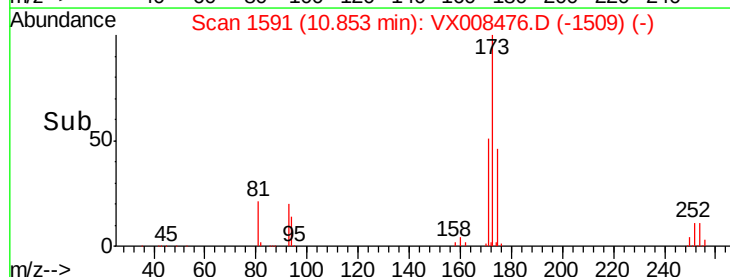
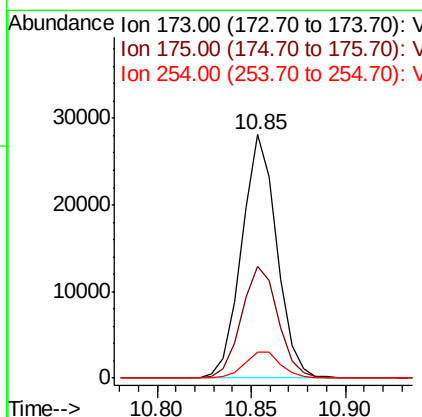
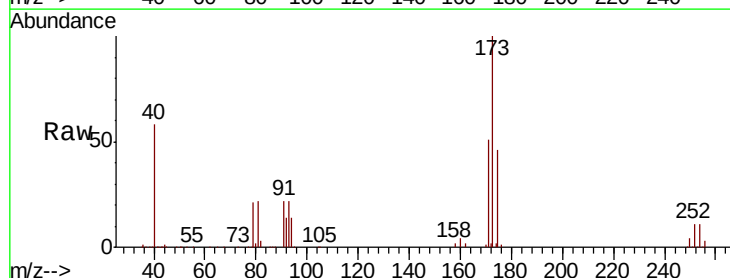
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032719

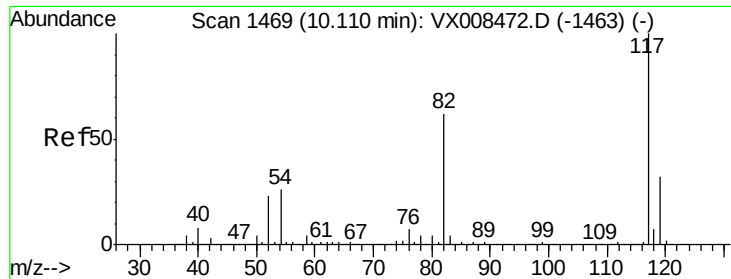
Tot Ion: 63 Resp: 280609
Ion Ratio Lower Upper
63 100
65 32.0 25.7 38.5
106 24.1 23.7 35.5



#56
Bromoform
Concen: 16.954 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Tgt Ion:173 Resp: 36303
Ion Ratio Lower Upper
173 100
175 48.0 38.5 57.7
254 11.3 7.4 11.2#

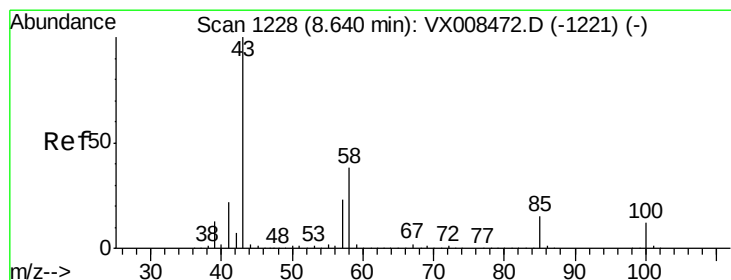
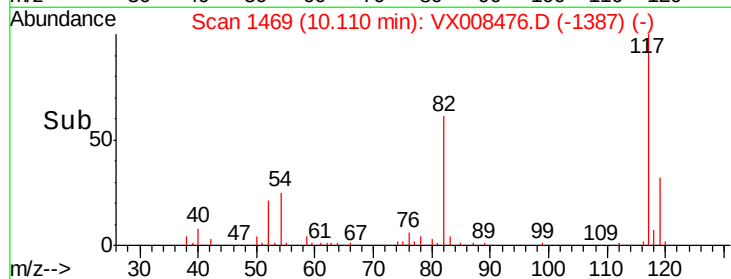
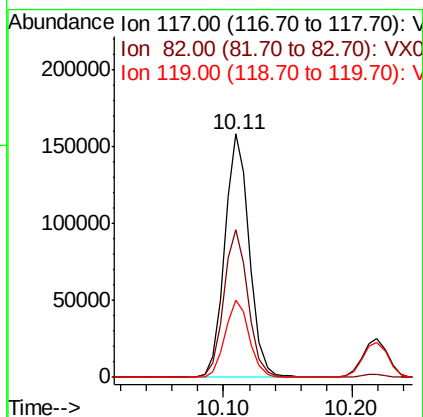
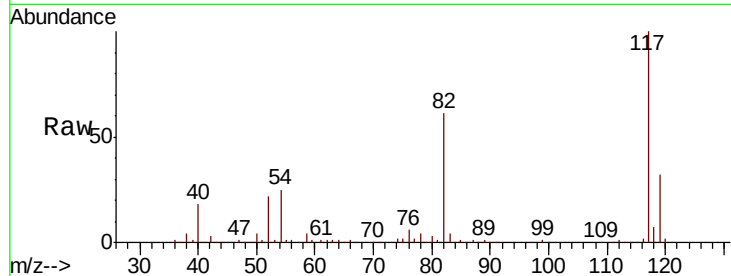




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

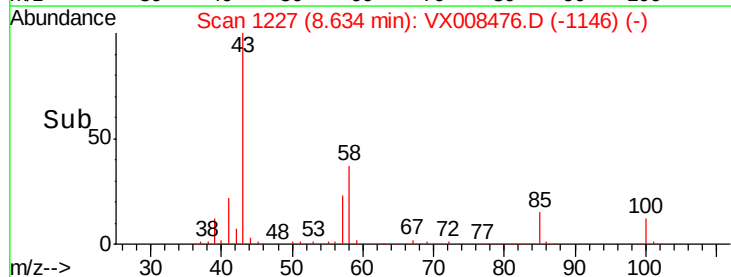
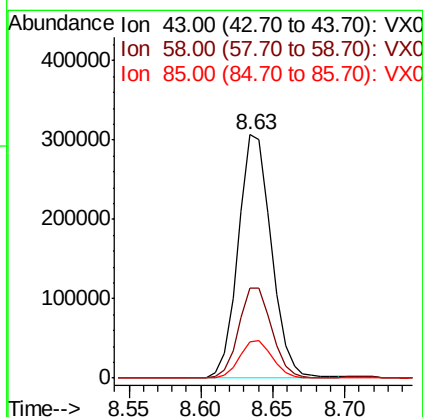
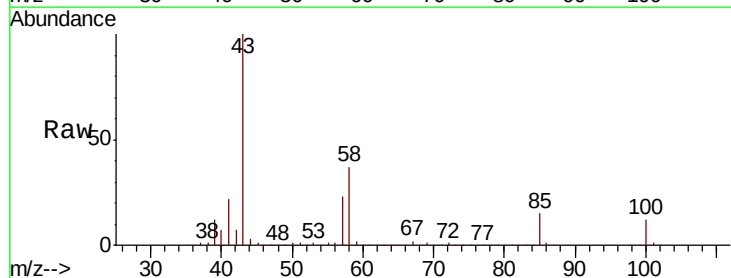
Instrument :
MSVOA_X
ClientSampleId :
ICVVX032719

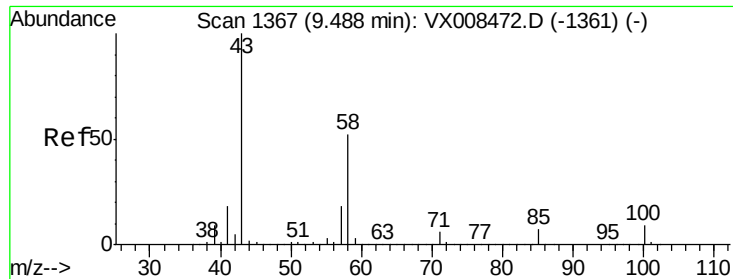
Tot Ion:117 Resp: 211939
Ion Ratio Lower Upper
117 100
82 60.2 40.4 60.6
119 31.3 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 87.690 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Tgt Ion: 43 Resp: 490305
Ion Ratio Lower Upper
43 100
58 37.2 31.4 47.0
85 15.2 15.0 22.6

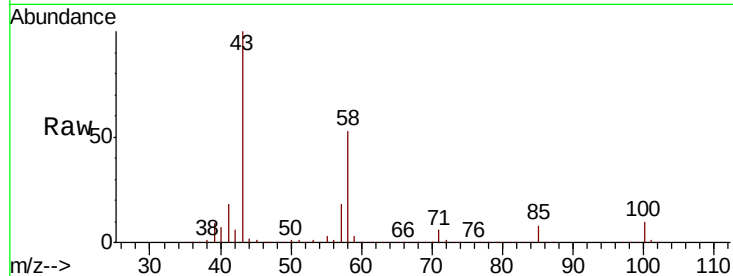




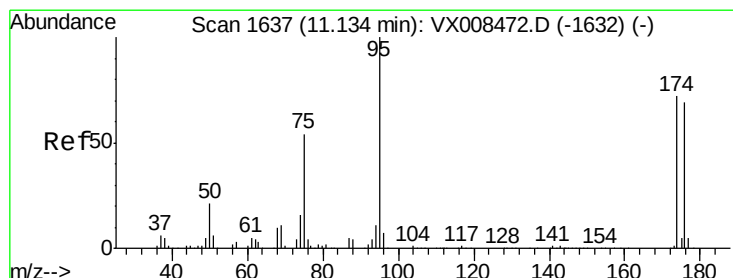
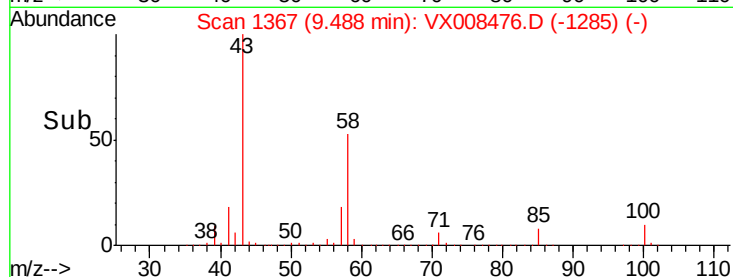
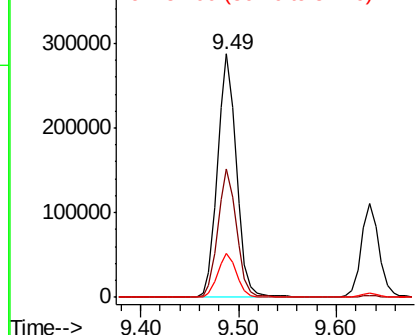
#59
2-Hexanone
Concen: 87.459 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032719

Tot Ion: 43 Resp: 386342
Ion Ratio Lower Upper
43 100
58 52.4 43.9 65.9
57 18.1 14.9 22.3

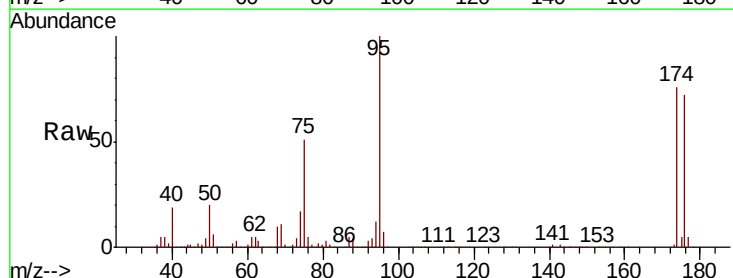


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

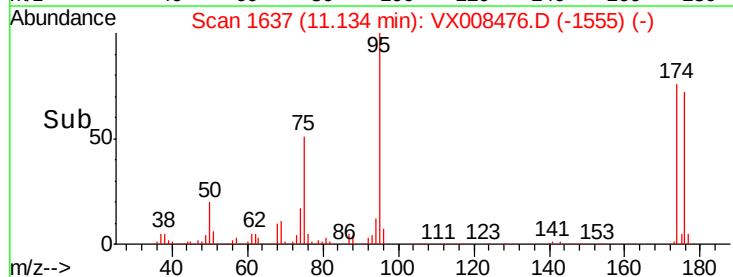
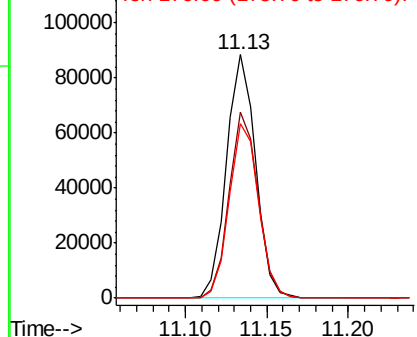


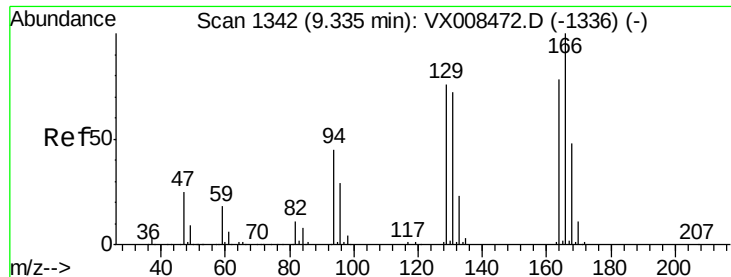
#60
4-Bromofluorobenzene
Concen: 29.647 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Tgt Ion: 95 Resp: 109478
Ion Ratio Lower Upper
95 100
174 76.2 74.9 112.3
176 72.6 70.7 106.1



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 18.526 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

Tot Ion:164 Resp: 42948

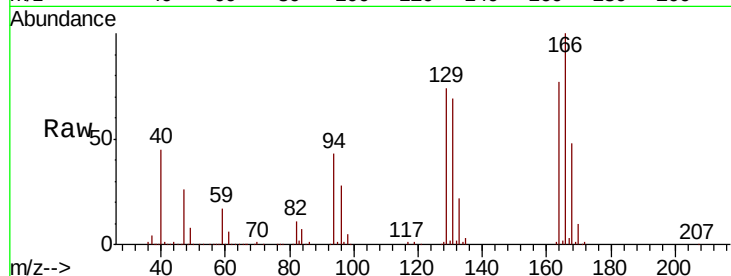
Ion Ratio Lower Upper

164 100

166 130.2 103.9 155.9

129 95.9 74.7 112.1

131 90.3 71.7 107.5

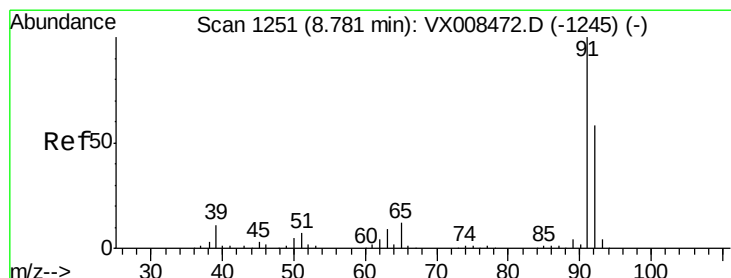
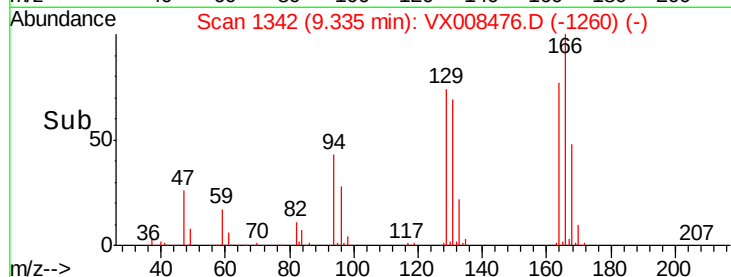
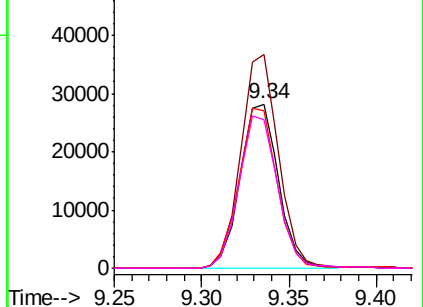


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.254 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX008476.D

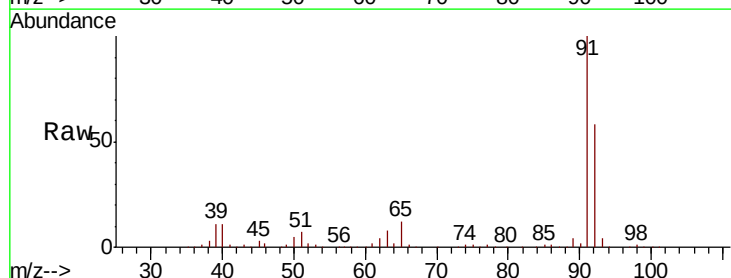
Acq: 27 Mar 2019 12:18

Tgt Ion: 91 Resp: 234238

Ion Ratio Lower Upper

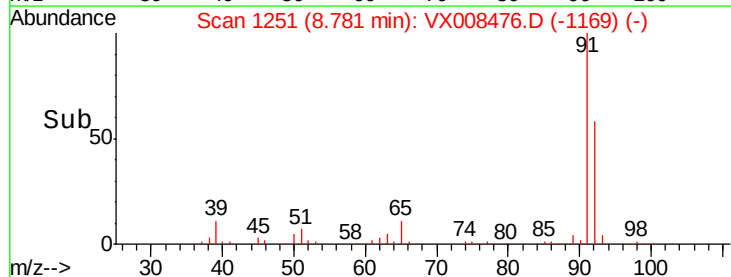
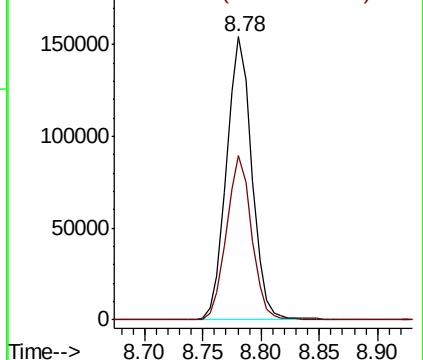
91 100

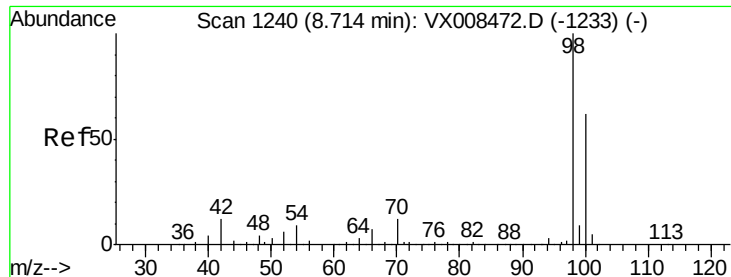
92 57.7 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.934 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

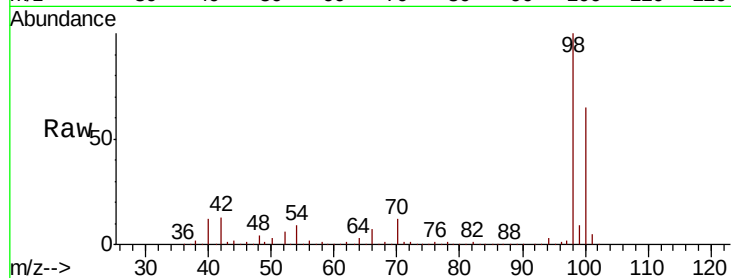
ICVVX032719

Tot Ion: 98 Resp: 301139

Ion Ratio Lower Upper

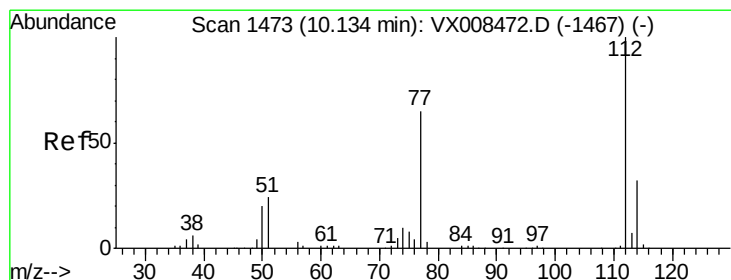
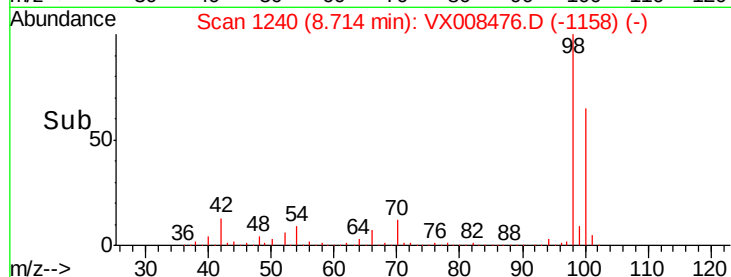
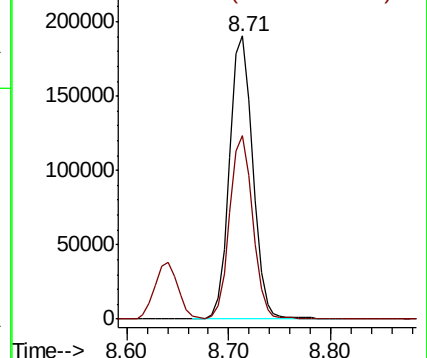
98 100

100 64.6 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: 18.276 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008476.D

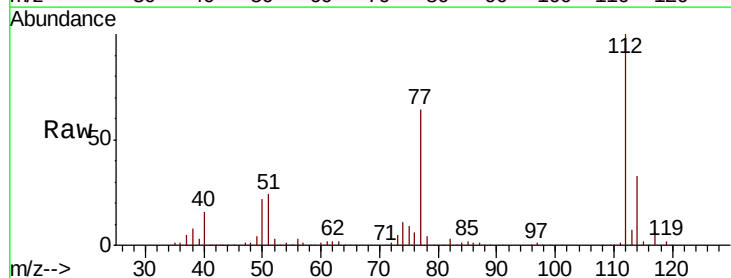
Acq: 27 Mar 2019 12:18

Tgt Ion: 112 Resp: 137418

Ion Ratio Lower Upper

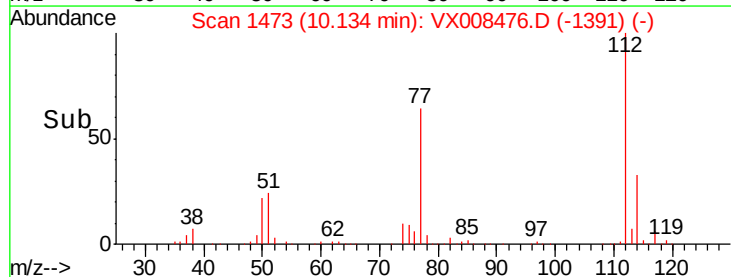
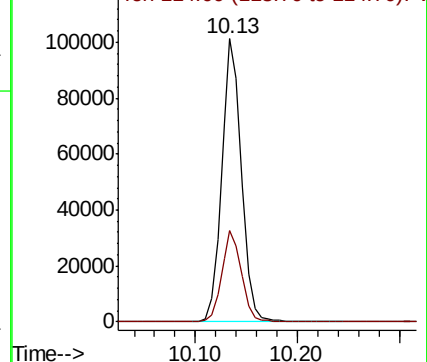
112 100

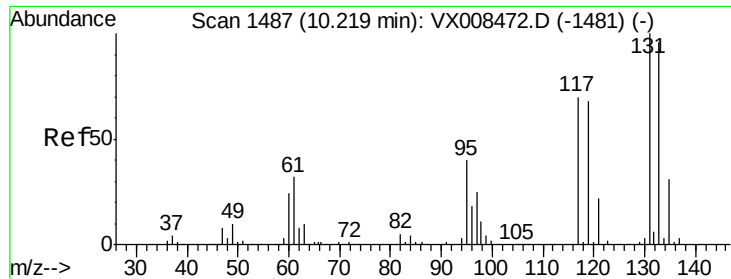
114 32.5 25.4 38.2



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: 17.882 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

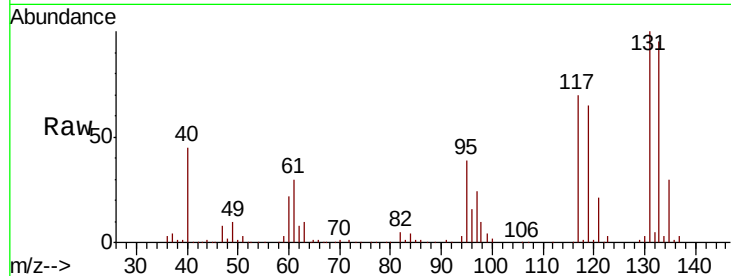
Tot Ion:131 Resp: 47405

Ion Ratio Lower Upper

131 100

133 95.3 0.0 191.6

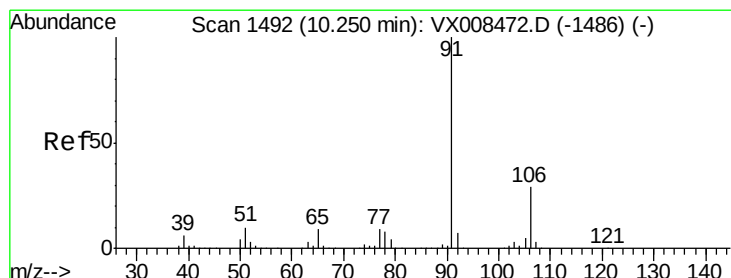
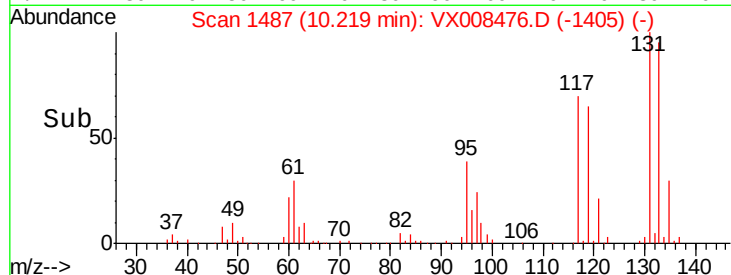
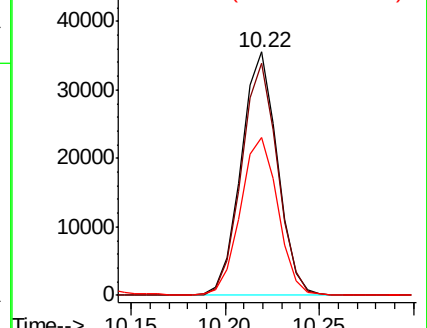
119 67.1 0.0 127.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.252 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008476.D

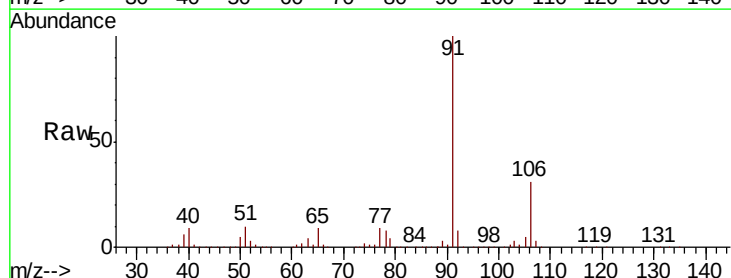
Acq: 27 Mar 2019 12:18

Tgt Ion: 91 Resp: 259957

Ion Ratio Lower Upper

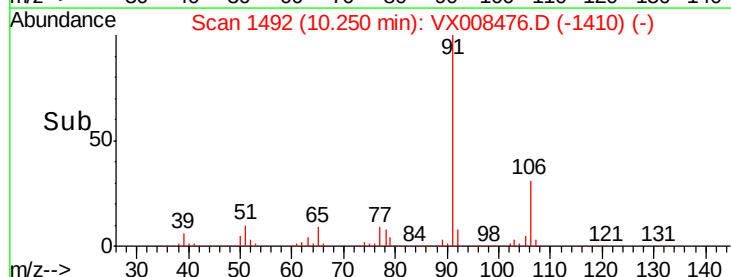
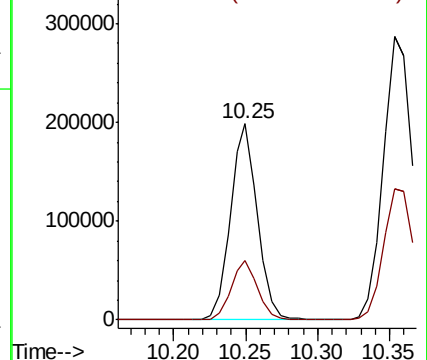
91 100

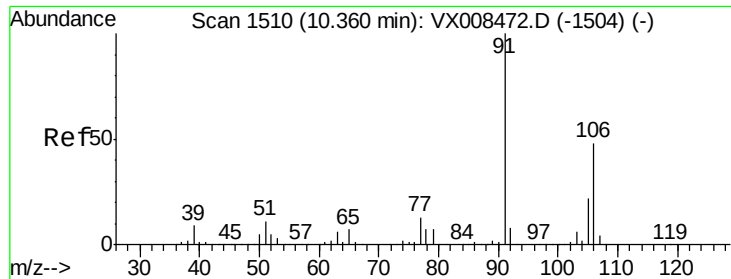
106 30.6 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 36.477 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

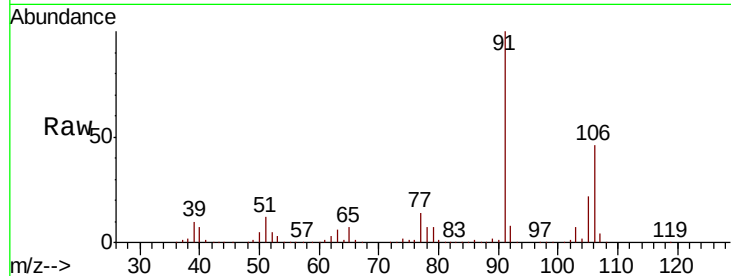
ICVVX032719

Tot Ion:106 Resp: 189495

Ion Ratio Lower Upper

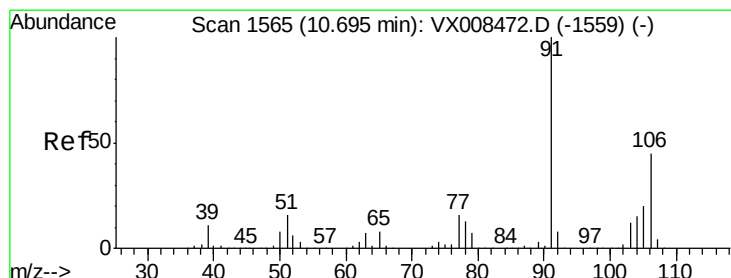
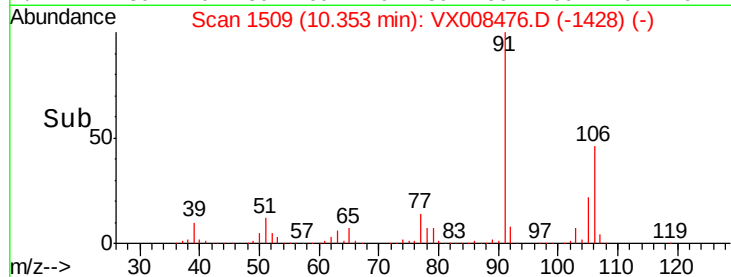
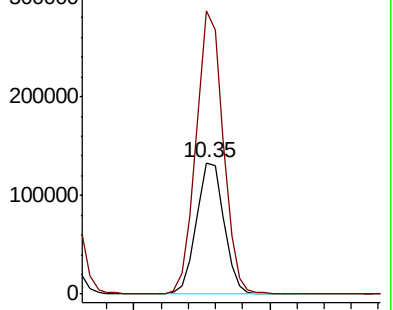
106 100

91 211.0 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.062 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX008476.D

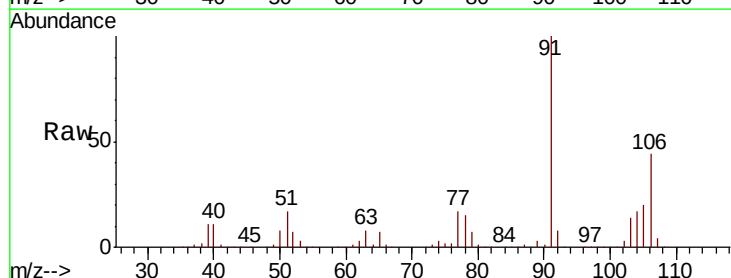
Acq: 27 Mar 2019 12:18

Tgt Ion:106 Resp: 91819

Ion Ratio Lower Upper

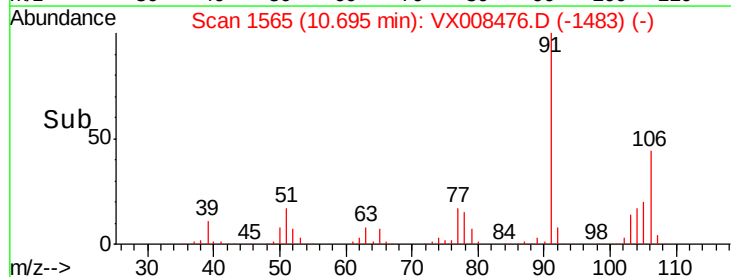
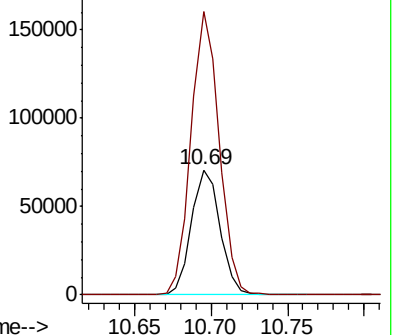
106 100

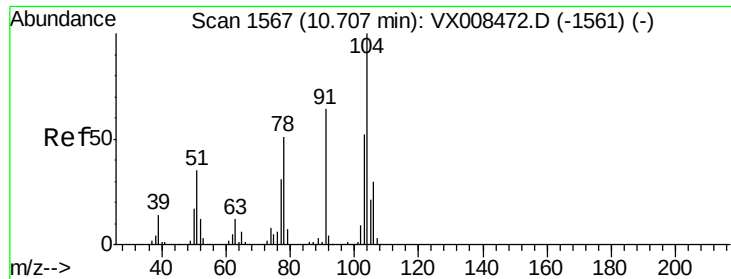
91 222.2 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Stvrene

Concen: 18.082 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

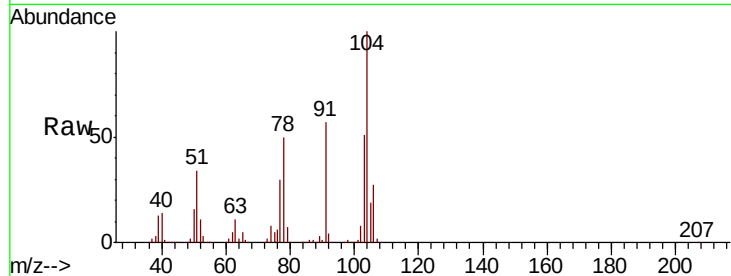
Tot Ion:104 Resp: 159949

Ion Ratio Lower Upper

104 100

78 53.3 38.2 57.2

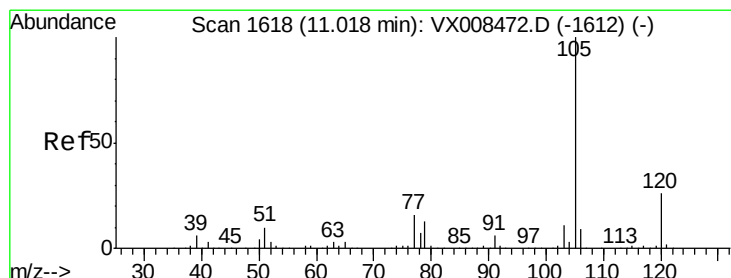
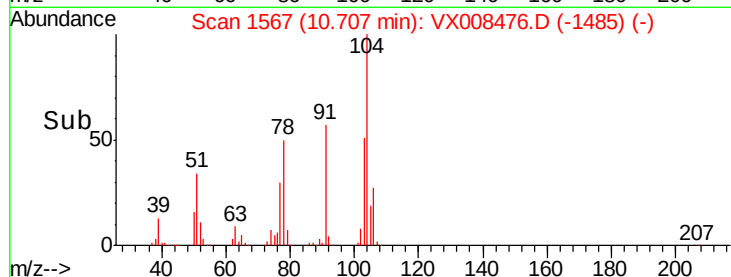
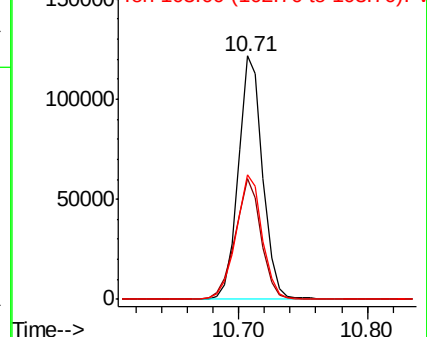
103 55.5 45.0 67.4



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: 18.503 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008476.D

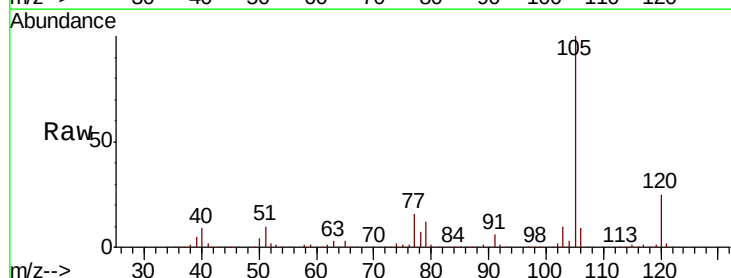
Acq: 27 Mar 2019 12:18

Tgt Ion:105 Resp: 248127

Ion Ratio Lower Upper

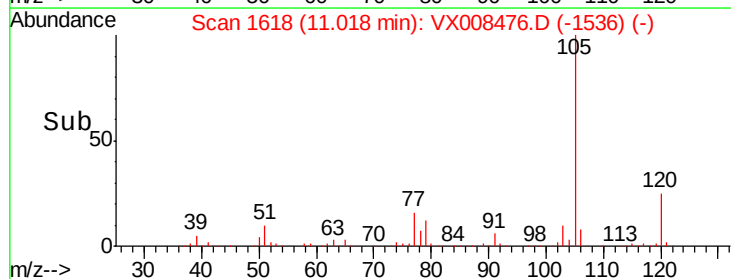
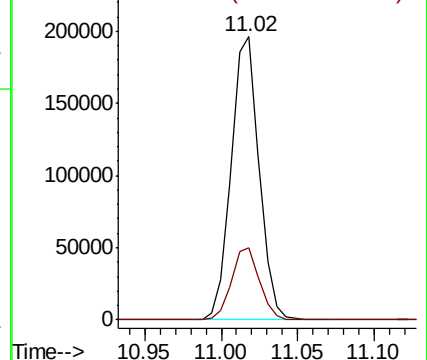
105 100

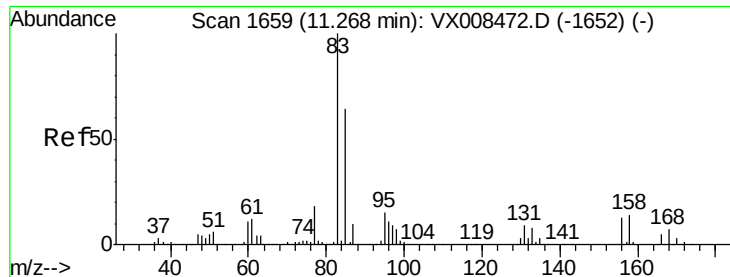
120 25.6 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

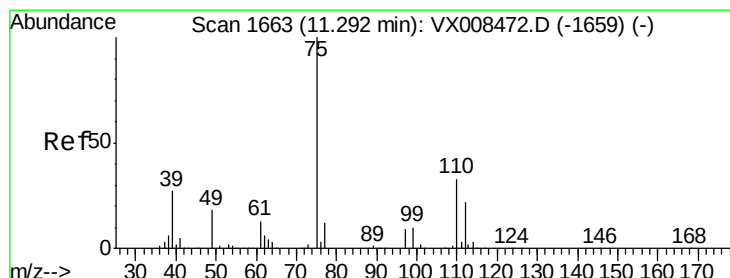
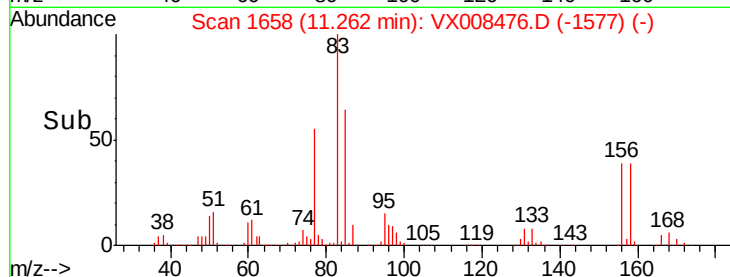
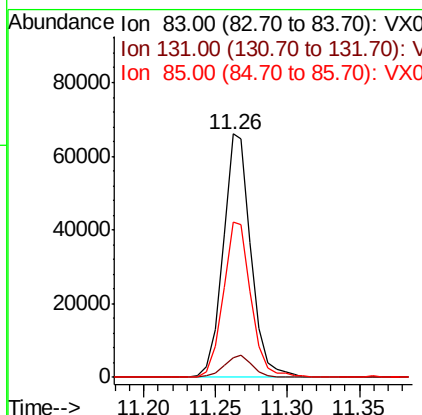
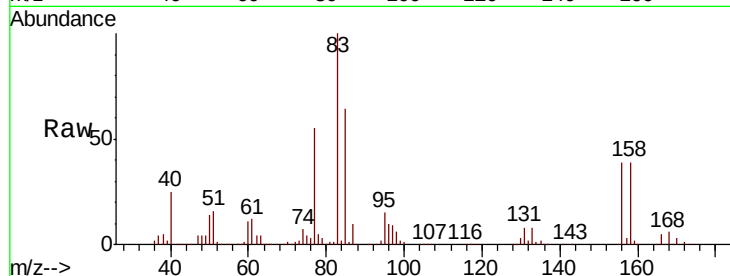




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.832 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

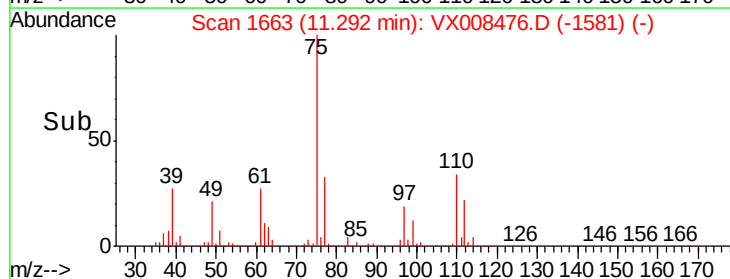
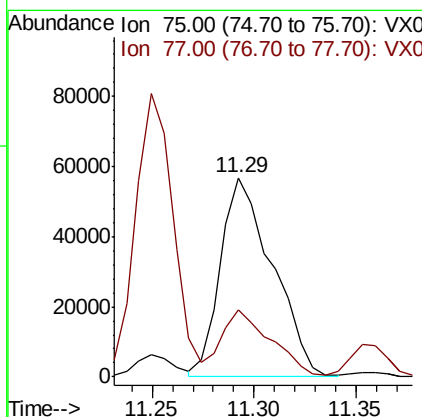
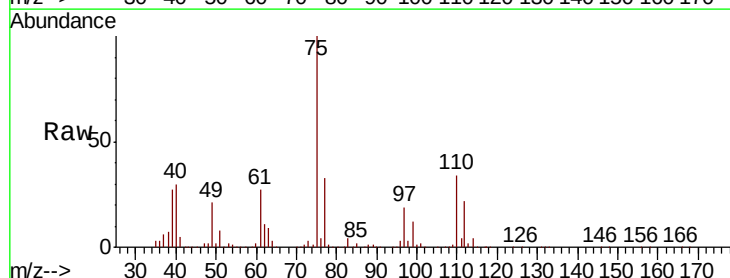
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032719

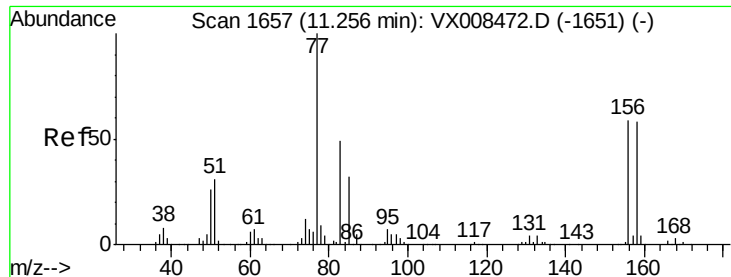
Tot Ion	83	Resp	89334
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.4	16.2
85	64.0	32.8	98.4



#72
 1,2,3-Trichloropropane
 Concen: 23.831 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Tgt Ion	75	Resp	100913
Ion Ratio	Lower	Upper	
75	100		
77	32.0	0.0	76.4





#73

Bromobenzene

Concen: 17.900 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

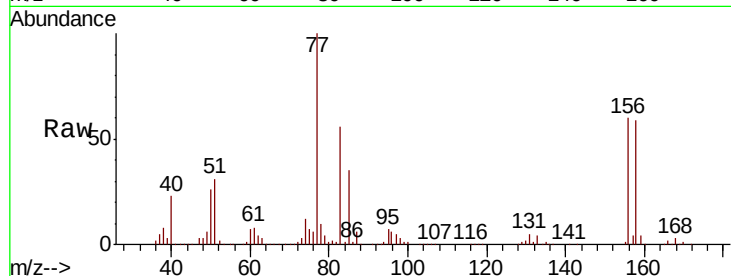
Tot Ion:156 Resp: 57110

Ion Ratio Lower Upper

156 100

77 182.3 0.0 271.4

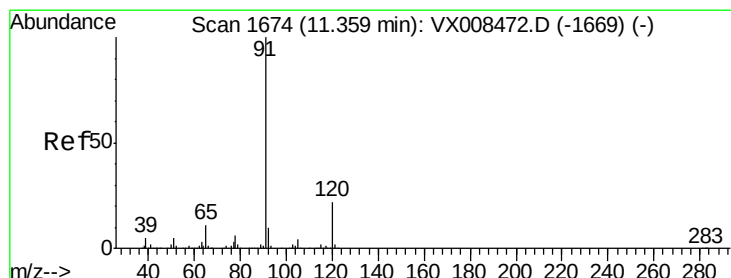
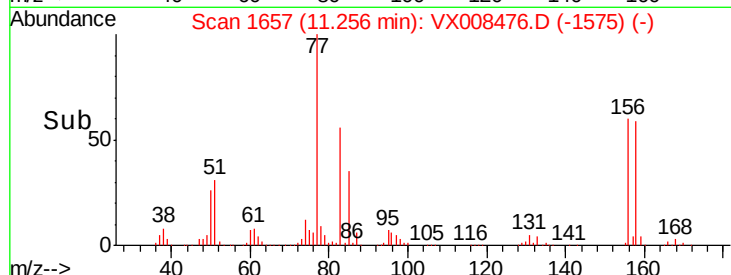
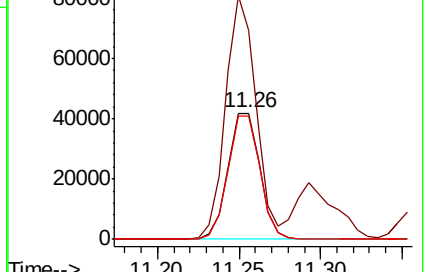
158 98.0 0.0 194.0



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: 18.593 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008476.D

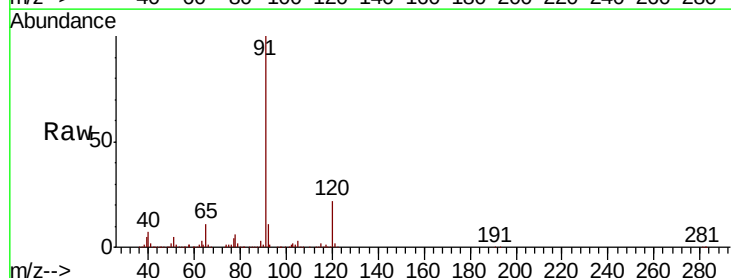
Acq: 27 Mar 2019 12:18

Tgt Ion: 91 Resp: 297024

Ion Ratio Lower Upper

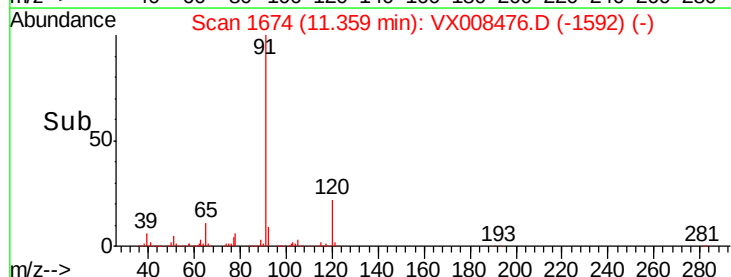
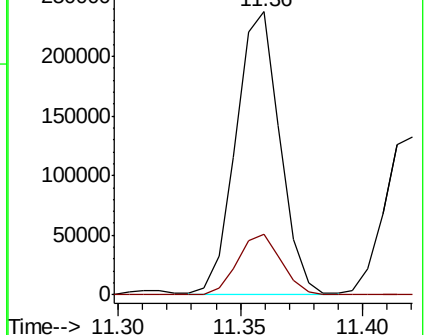
91 100

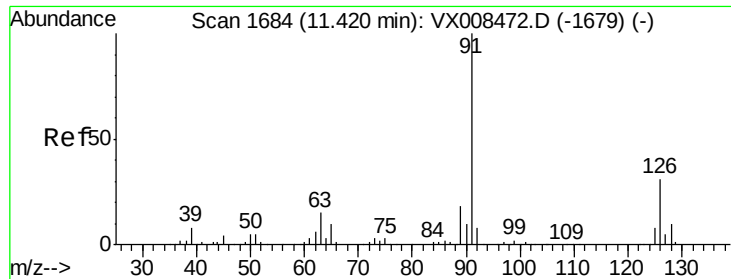
120 21.3 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.205 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

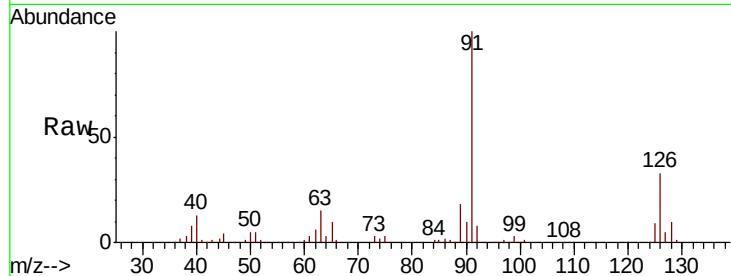
ICVVX032719

Tot Ion: 91 Resp: 173025

Ion Ratio Lower Upper

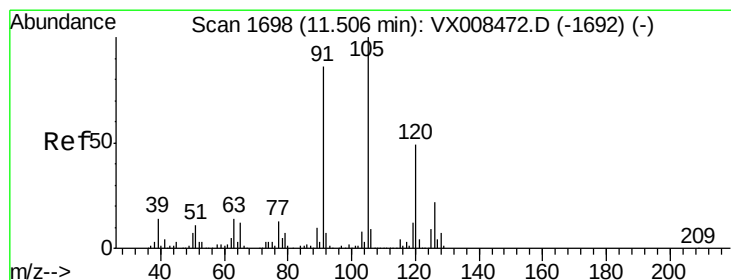
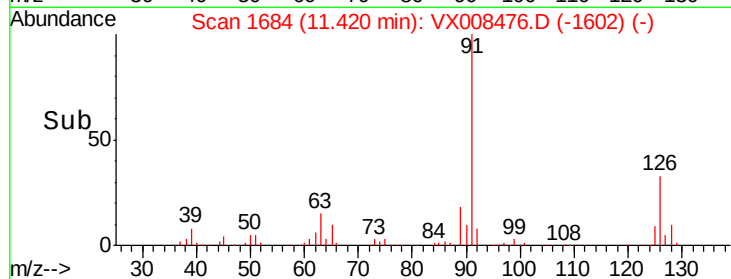
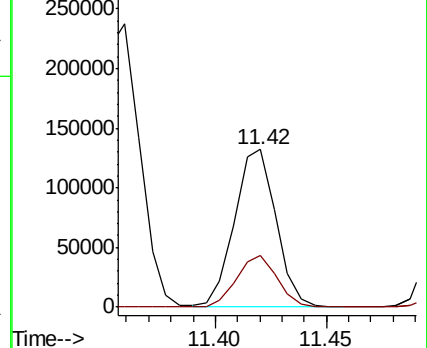
91 100

126 31.8 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 18.316 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008476.D

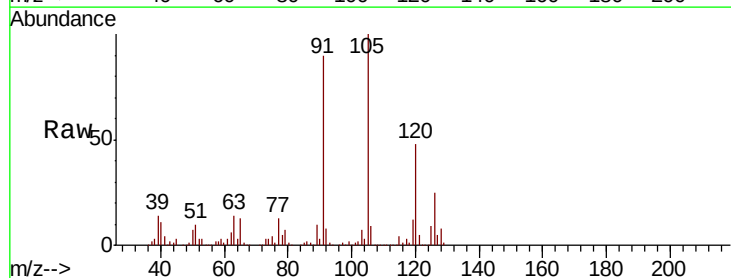
Acq: 27 Mar 2019 12:18

Tgt Ion:105 Resp: 209991

Ion Ratio Lower Upper

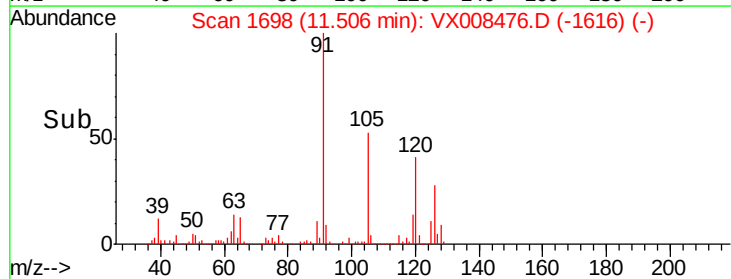
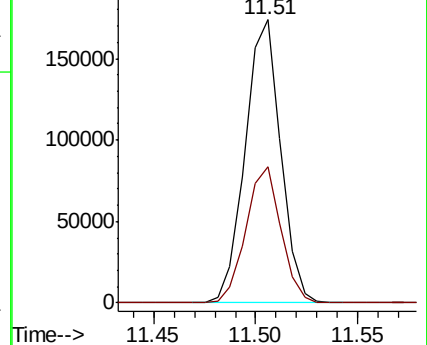
105 100

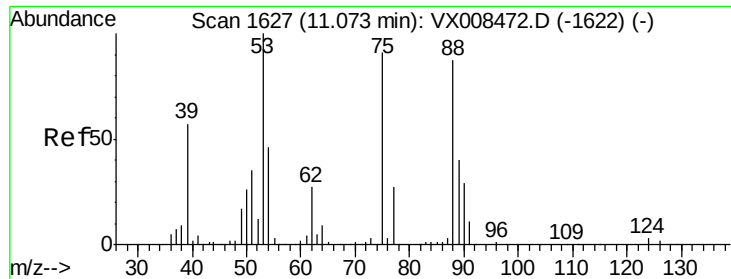
120 47.5 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 16.793 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

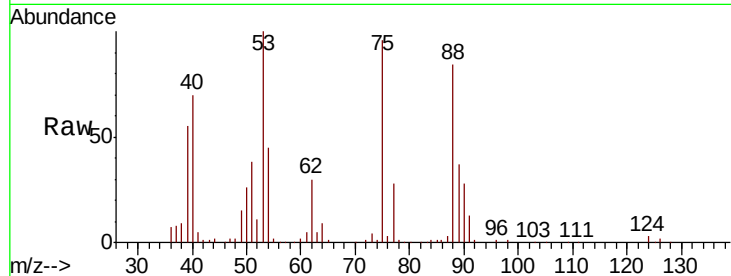
Tot Ion: 75 Resp: 27277

Ion Ratio Lower Upper

75 100

53 103.7 55.5 166.7

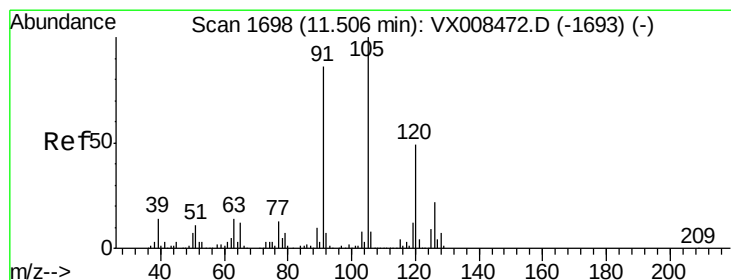
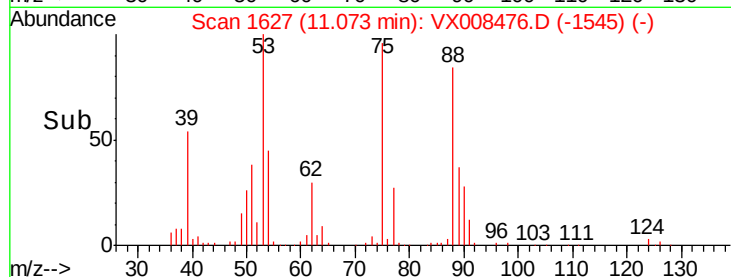
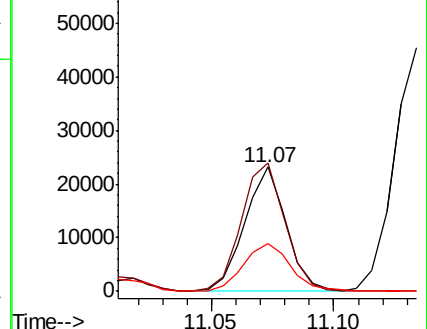
89 38.8 24.4 73.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 18.291 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008476.D

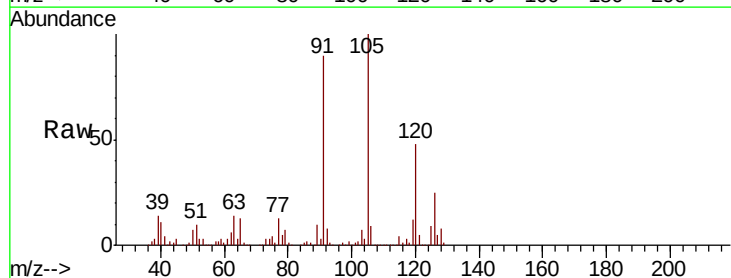
Acq: 27 Mar 2019 12:18

Tgt Ion: 91 Resp: 200078

Ion Ratio Lower Upper

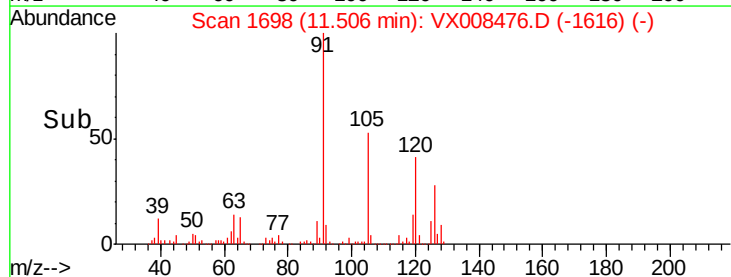
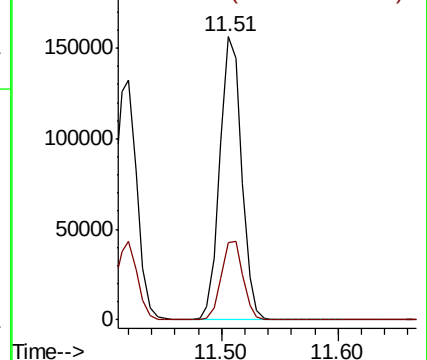
91 100

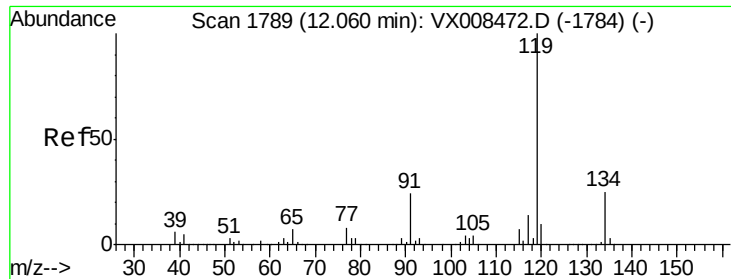
126 27.9 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

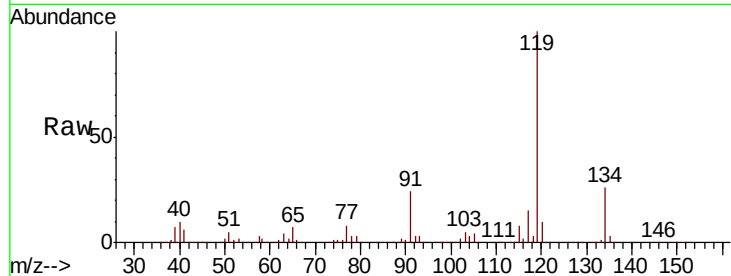




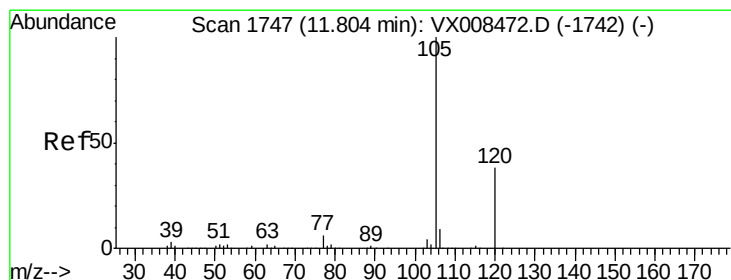
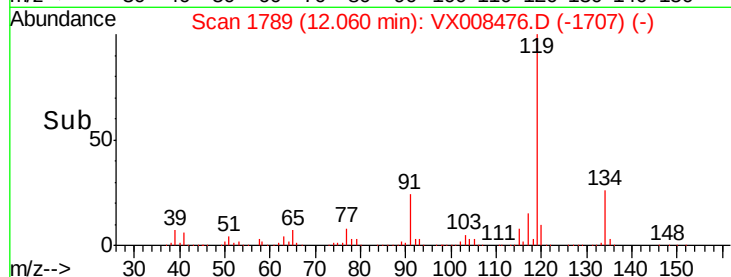
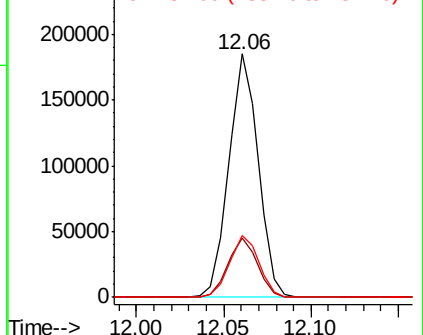
#79
tert-butylbenzene
Concen: 18.452 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032719

Tot Ion:119 Resp: 216189
Ion Ratio Lower Upper
119 100
91 24.5 0.0 45.0
134 25.7 0.0 55.4

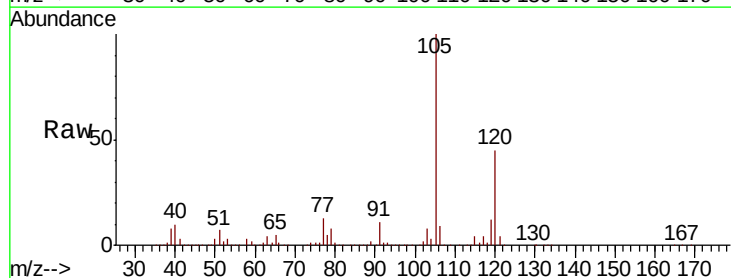


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

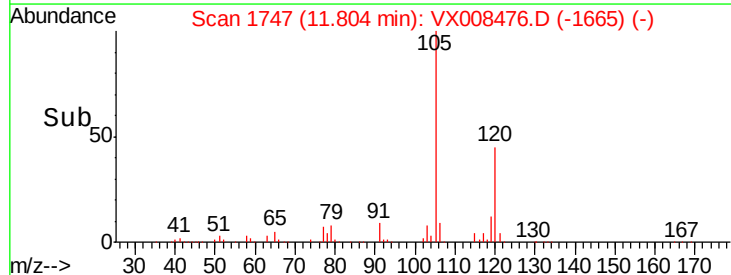
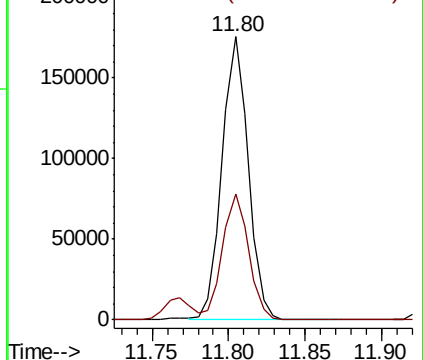


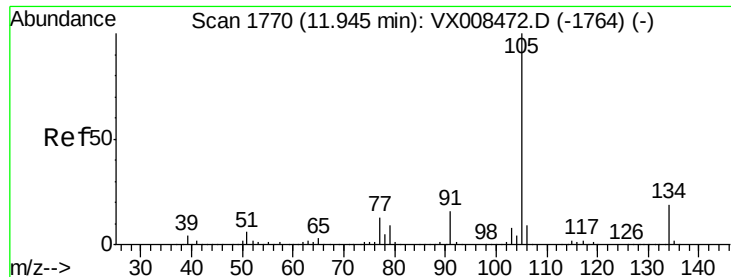
#80
1,2,4-Trimethylbenzene
Concen: 18.240 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Tgt Ion:105 Resp: 208505
Ion Ratio Lower Upper
105 100
120 44.5 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.489 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

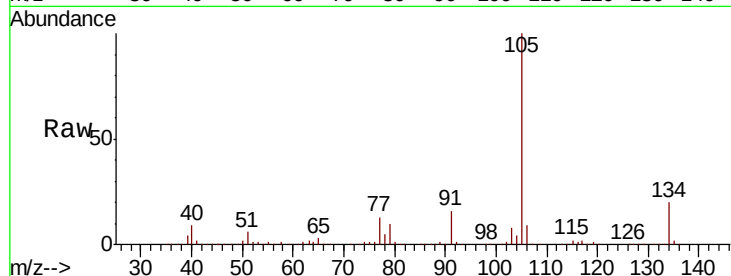
ICVVX032719

Tot Ion:105 Resp: 242191

Ion Ratio Lower Upper

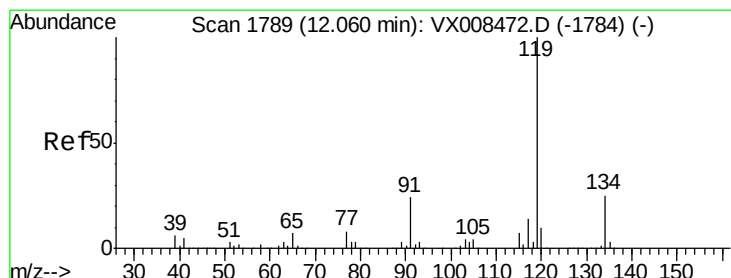
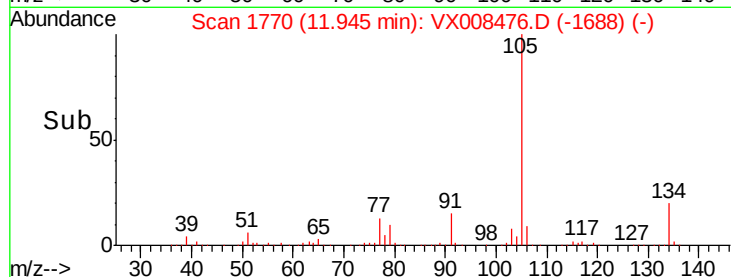
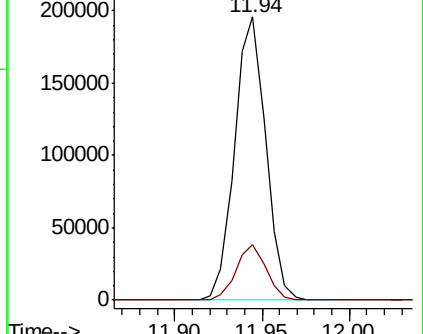
105 100

134 19.1 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.452 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

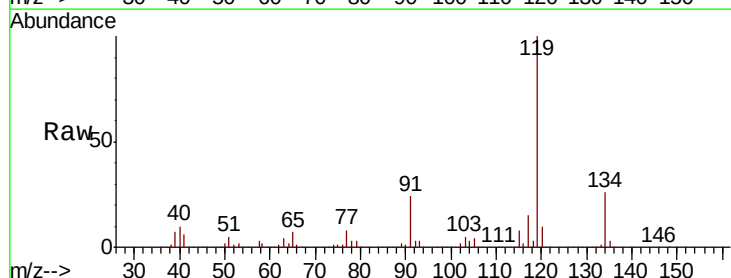
Tgt Ion:119 Resp: 216189

Ion Ratio Lower Upper

119 100

134 25.7 0.0 55.4

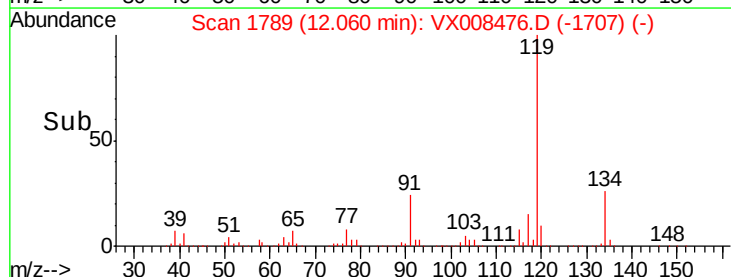
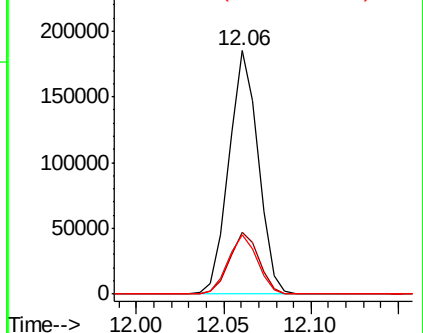
91 24.5 0.0 45.0

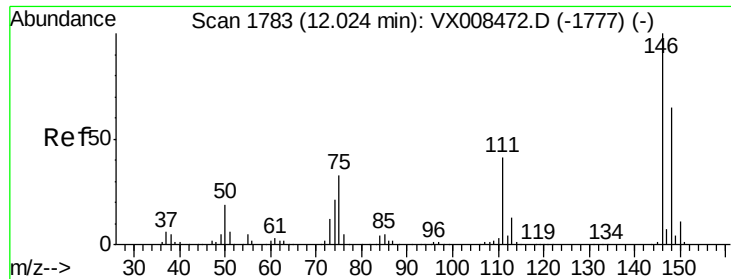


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

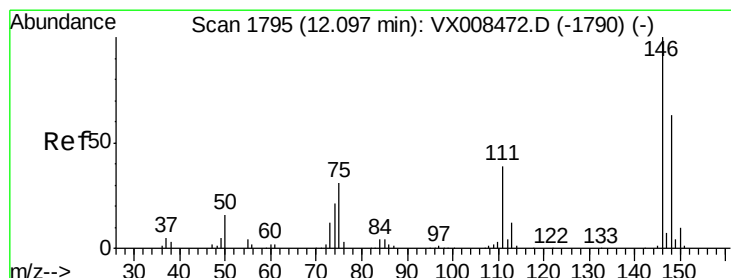
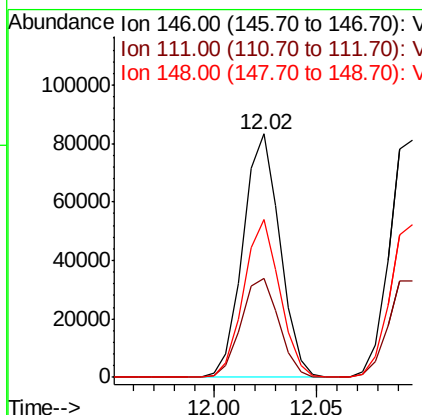
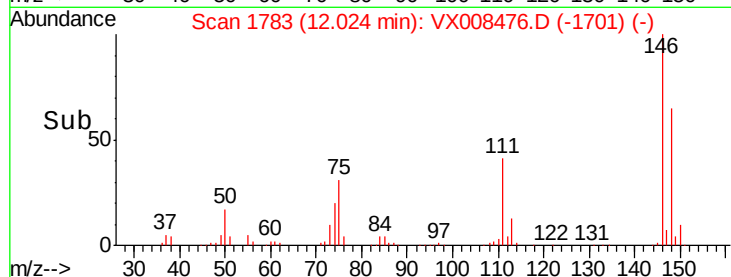
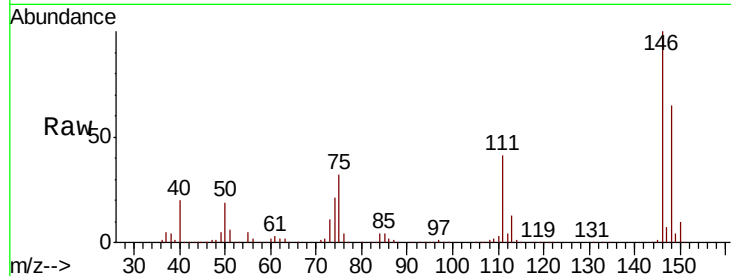




#83
 1,3-Dichlorobenzene
 Concen: 18.503 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

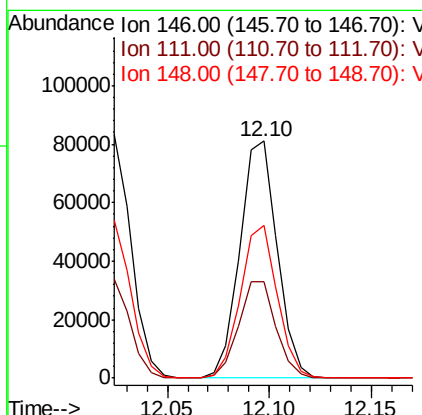
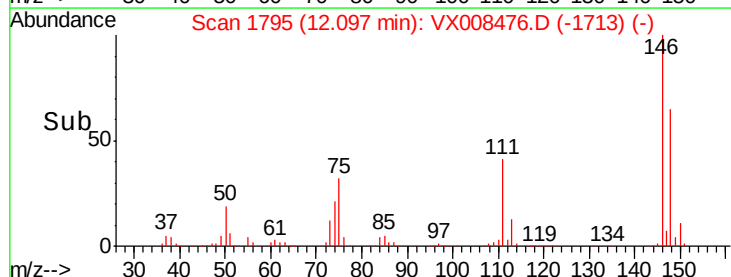
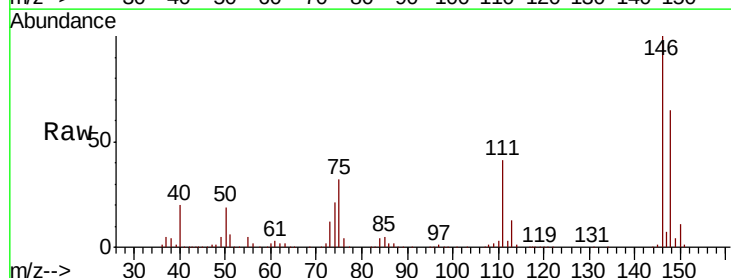
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032719

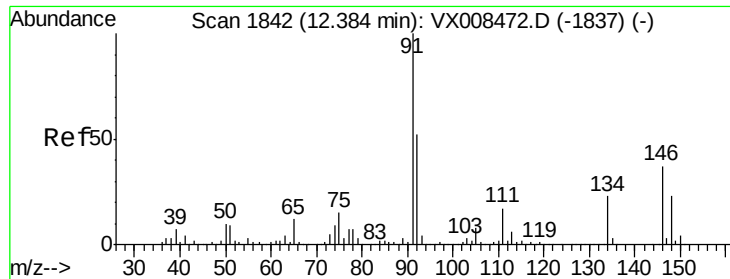
Tot Ion:146 Resp: 104801
 Ion Ratio Lower Upper
 146 100
 111 41.4 18.8 56.3
 148 63.5 30.6 91.8



#84
 1,4-Dichlorobenzene
 Concen: 18.183 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Tgt Ion:146 Resp: 102917
 Ion Ratio Lower Upper
 146 100
 111 40.9 17.6 52.8
 148 63.8 31.4 94.2





#85

n-Butylbenzene

Concen: 18.515 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008476.D

Acq: 27 Mar 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX032719

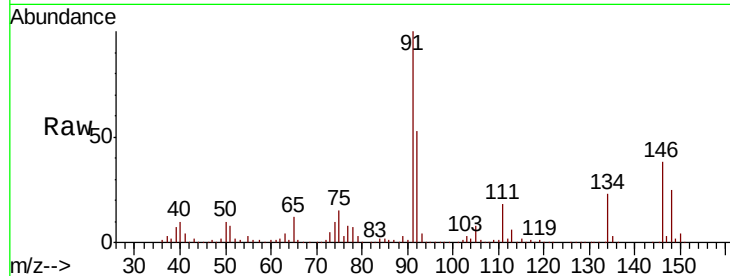
Tot Ion: 91 Resp: 206114

Ion Ratio Lower Upper

91 100

92 53.1 0.0 105.2

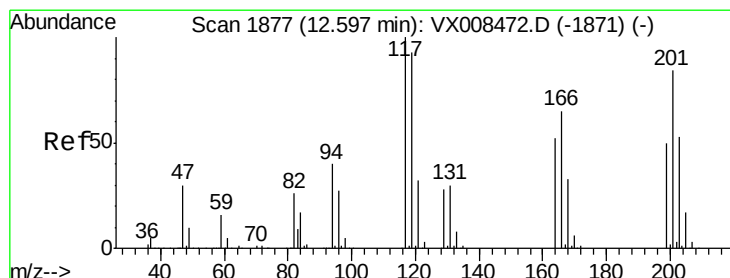
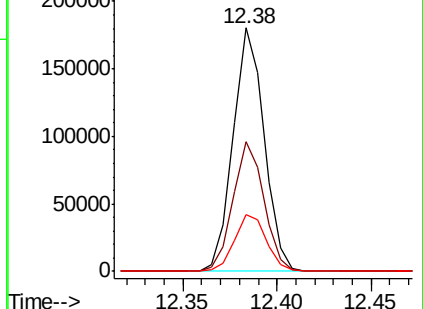
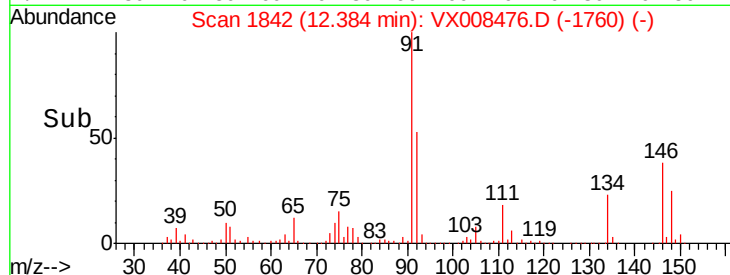
134 23.8 0.0 56.4



Abundance Ion 91.00 (90.70 to 91.70): VX008476.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX008476.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX008476.D (-1837) (-)



#86

Hexachloroethane

Concen: 17.657 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX008476.D

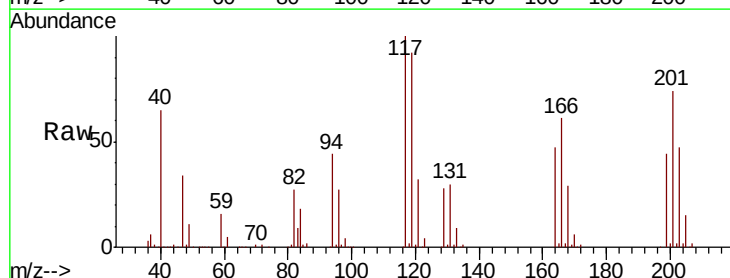
Acq: 27 Mar 2019 12:18

Tgt Ion: 117 Resp: 34565

Ion Ratio Lower Upper

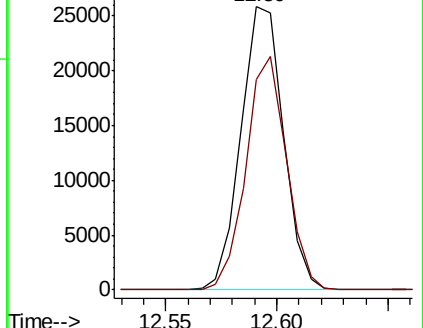
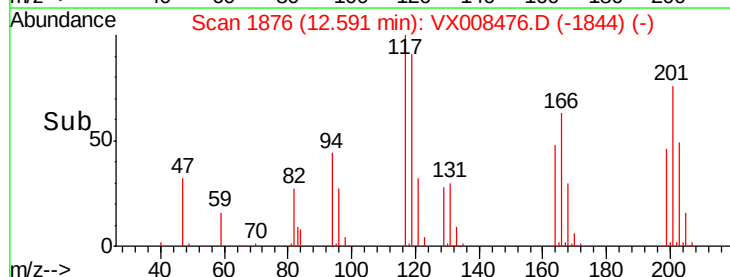
117 100

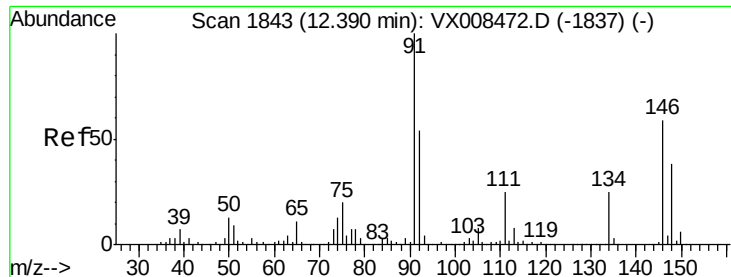
201 78.4 41.1 123.3



Abundance Ion 117.00 (116.70 to 117.70): VX008476.D (-1871) (-)

Ion 201.00 (200.70 to 201.70): VX008476.D (-1871) (-)

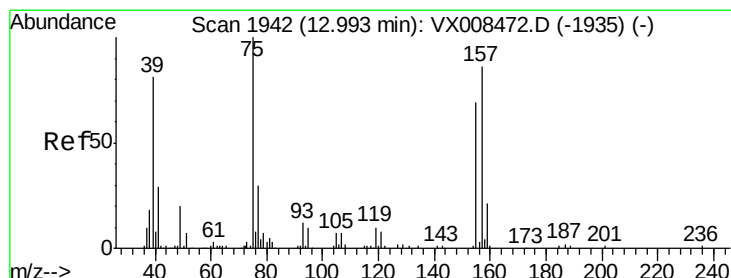
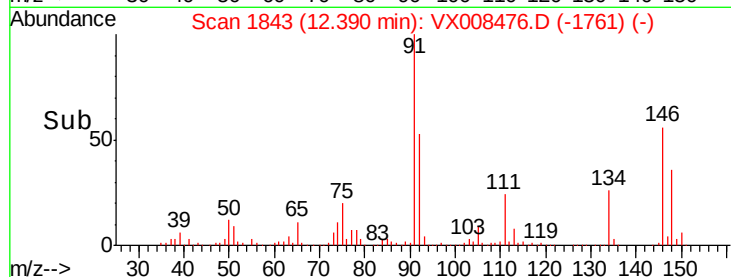
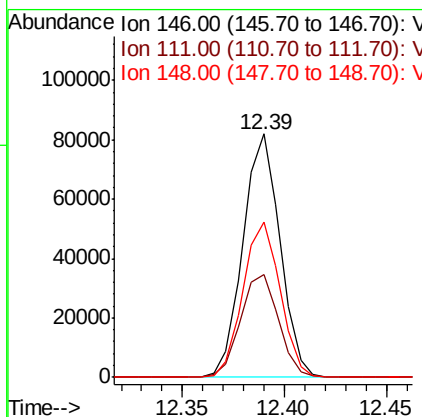
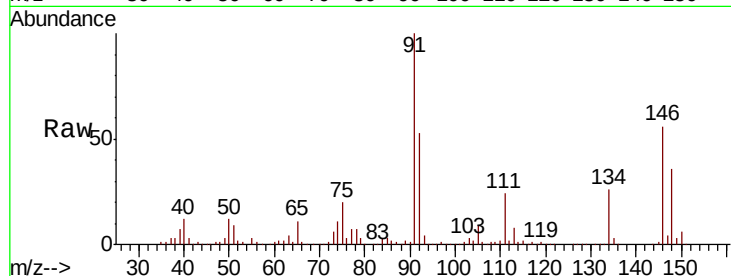




#87
 1,2-Dichlorobenzene
 Concen: 18.147 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

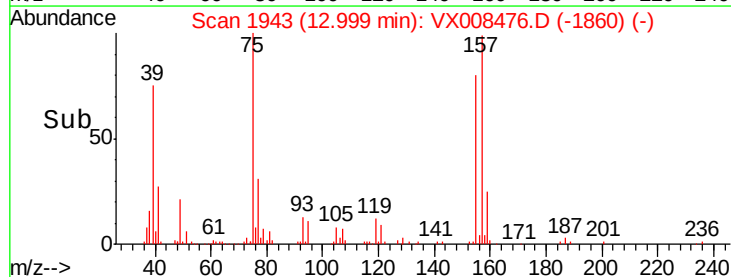
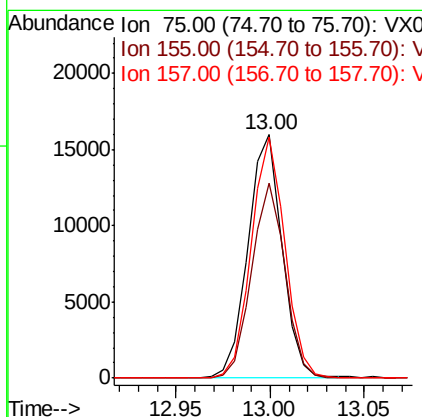
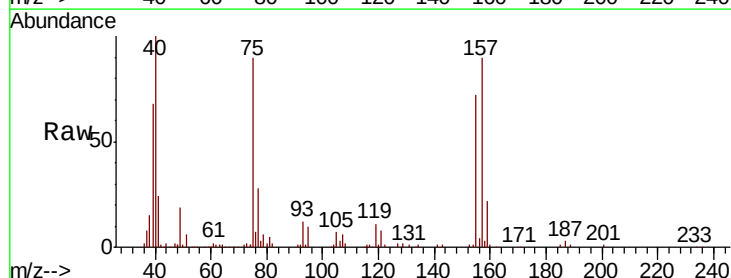
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032719

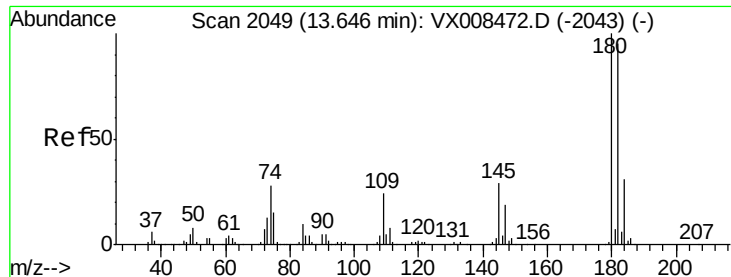
Tot Ion:146 Resp: 103568
 Ion Ratio Lower Upper
 146 100
 111 43.3 19.3 57.8
 148 64.4 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.078 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008476.D
 Acq: 27 Mar 2019 12:18

Tgt Ion: 75 Resp: 20073
 Ion Ratio Lower Upper
 75 100
 155 78.3 81.0 121.6#
 157 97.7 103.2 154.8#

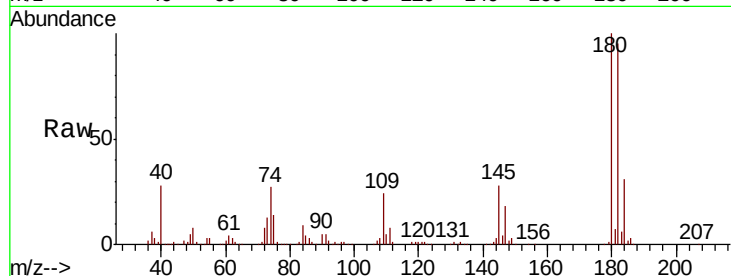




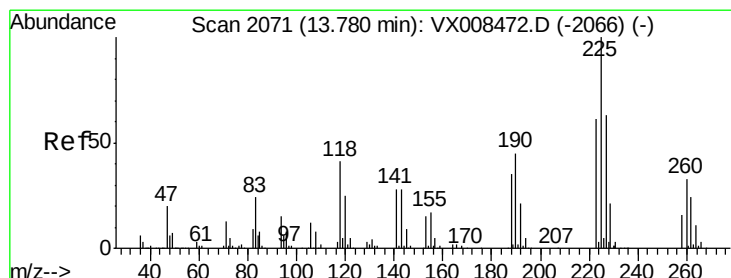
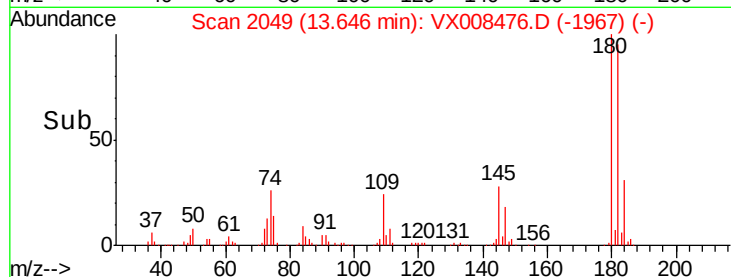
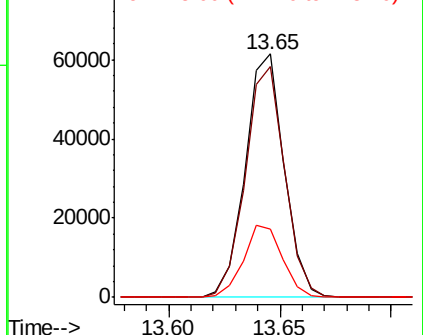
#89
1,2,4-Trichlorobenzene
Concen: 19.005 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032719

Tot Ion:180 Resp: 74819
Ion Ratio Lower Upper
180 100
182 96.0 75.6 113.4
145 29.7 23.0 34.6

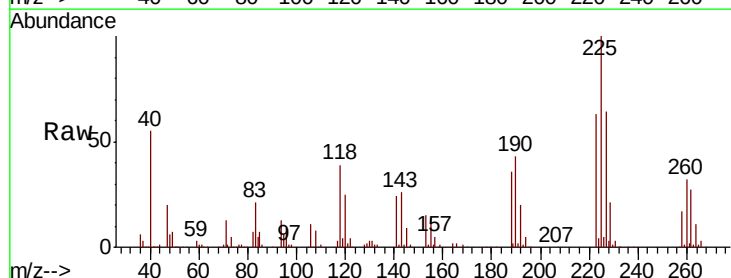


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

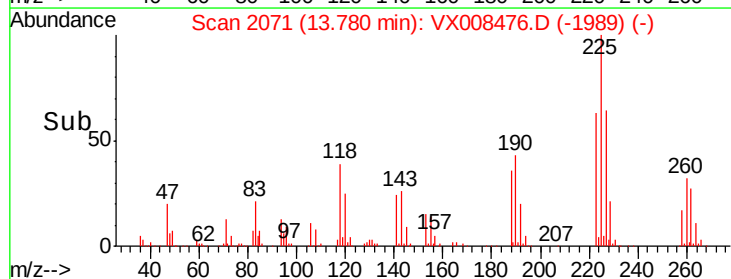
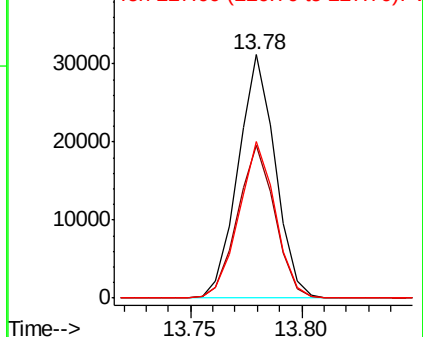


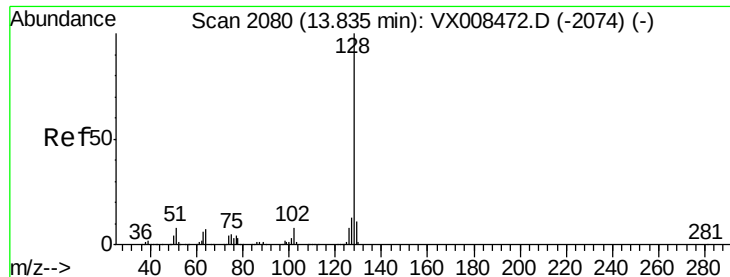
#90
Hexachlorobutadiene
Concen: 19.141 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Tgt Ion:225 Resp: 36302
Ion Ratio Lower Upper
225 100
223 62.4 0.0 123.8
227 62.8 0.0 124.4



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

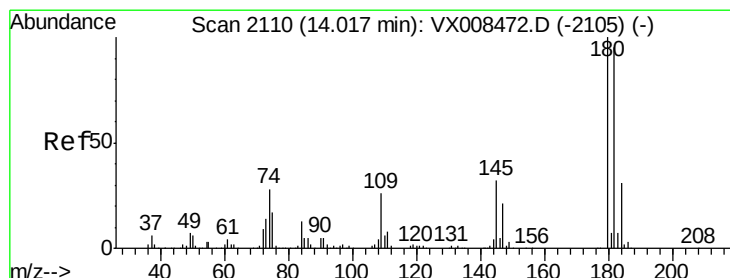
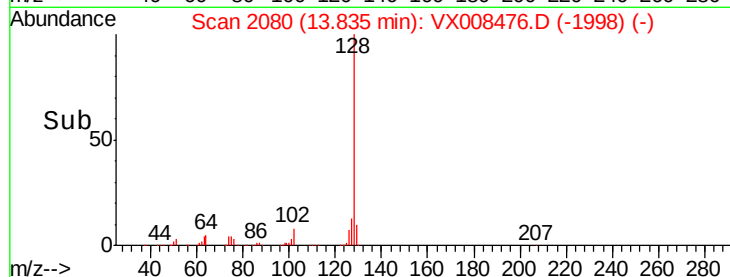
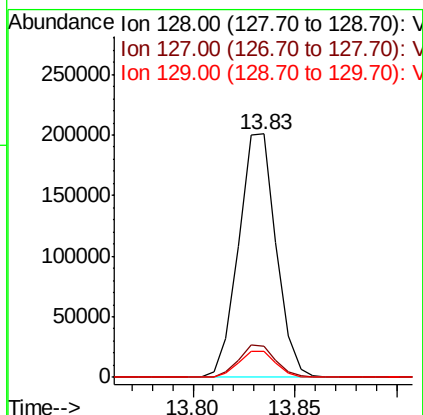
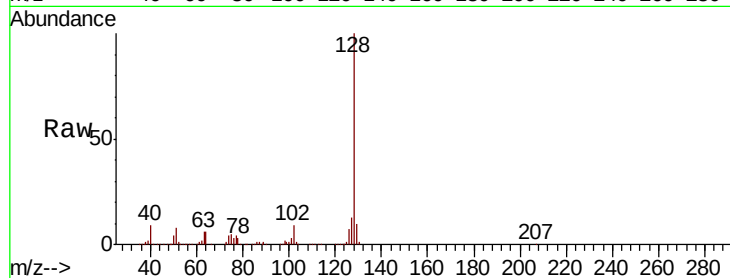




#91
Naphthalene
Concen: 19.031 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX032719

Tot Ion:128 Resp: 256687
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.7 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 18.967 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008476.D
Acq: 27 Mar 2019 12:18

Tgt Ion:180 Resp: 75214
Ion Ratio Lower Upper
180 100
182 96.3 0.0 193.0
145 32.1 0.0 63.0

