

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003819.D
 Acq On : 02 Aug 2018 12:03
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 03 03:19:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	23354	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	111823	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	105040	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	46739	27.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	90.87%
60) 4-Bromofluorobenzene	11.14	95	50968	30.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.47%
63) Toluene-d8	8.71	98	140674	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	32457	26.31	ug/l	95
3) Chloromethane	1.32	50	40052	24.13	ug/l	94
4) Vinyl Chloride	1.40	62	30577	17.51	ug/l	99
5) Bromomethane	1.64	94	16273	15.59	ug/l	91
6) Chloroethane	1.72	64	19303	16.89	ug/l	98
7) Trichlorofluoromethane	1.93	101	40997	17.46	ug/l	92
8) Diethyl Ether	2.19	74	16854	16.74	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	25099	17.63	ug/l	98
10) 1,1-Dichloroethene	2.37	96	24450	18.26	ug/l	82
11) Methyl Iodide	2.51	142	25747	13.87	ug/l	90
12) Methyl Acetate	3.21	43	14919	6.02	ug/l	91
13) Acrolein	2.29	56	22782	117.90	ug/l	97
14) Acrylonitrile	3.15	53	77131	79.01	ug/l	98
15) Acetone	2.45	58	22843	86.23	ug/l	91
16) Carbon Disulfide	2.57	76	64915	17.46	ug/l	97
17) Allyl chloride	2.73	41	44545	16.08	ug/l	88
18) Methylene Chloride	2.86	84	28868	18.20	ug/l	90
19) trans-1,2-Dichloroethene	3.17	96	24361	16.83	ug/l	88
20) Diisopropyl ether	3.87	45	84388	16.58	ug/l #	95
21) 1,1-Dichloroethane	3.70	63	48420	16.81	ug/l	99
22) cis-1,2-Dichloroethene	4.59	96	29988	20.52	ug/l #	76
23) tert-Butyl Alcohol	3.07	59	32406	79.03	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	81248	16.92	ug/l #	89
25) Chloroform	5.21	83	48306	19.36	ug/l	98
26) Cyclohexane	5.57	56	41623	19.23	ug/l #	95
29) 1,1-Dichloropropene	5.79	75	34275	20.76	ug/l	96
30) 2-Butanone	4.70	43	109735	104.06	ug/l	93
31) 2,2-Dichloropropane	4.57	77	36419	22.77	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	38915	20.60	ug/l	100
33) Carbon Tetrachloride	5.78	117	34602	21.08	ug/l	92
34) Benzene	6.14	78	106864	21.06	ug/l #	92
35) Methacrylonitrile	5.06	41	23245	21.21	ug/l	90
36) 1,2-Dichloroethane	6.20	62	35645	19.55	ug/l	96
37) Trichloroethene	7.21	130	26622	20.13	ug/l	90
38) Methylcyclohexane	7.46	83	36807	19.62	ug/l	98
39) 1,2-Dichloropropane	7.52	63	26603	19.84	ug/l	99
40) Dibromomethane	7.67	93	17338	19.98	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	31959	19.28	ug/l	99
42) Vinyl Acetate	3.82	43	340393	84.01	ug/l	99
43) Ethyl Acetate	4.86	43	42199	21.42	ug/l	95
44) Isopropyl Acetate	6.46	43	56653	18.75	ug/l	93
45) 1,4-Dioxane	7.76	88	12949	385.93	ug/l #	85
46) Methyl methacrylate	7.78	41	29706	19.06	ug/l	86
47) n-amyl Acetate	10.90	43	50117	17.57	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	40022	19.90	ug/l	100
49) cis-1,3-Dichloropropene	9.04	75	36356	19.26	ug/l	91
50) 1,1,2-Trichloroethane	9.22	97	26590	19.31	ug/l	97
51) Ethyl methacrylate	9.18	69	37318	17.99	ug/l	83
52) 1,3-Dichloropropane	9.37	76	43967	19.18	ug/l	99
53) Dibromochloromethane	9.59	129	26320	19.45	ug/l	99
54) 1,2-Dibromoethane	9.67	107	27747	19.26	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	98461	92.05	ug/l	99
56) Bromoform	10.86	173	20069	19.12	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	192090	96.85	ug/l	93
59) 2-Hexanone	9.50	43	146096	92.51	ug/l	93
61) Tetrachloroethene	9.34	164	25350	20.74	ug/l	99
62) Toluene	8.79	91	109150	20.02	ug/l	99
64) Chlorobenzene	10.14	112	71230	20.22	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	25499	20.45	ug/l	98
66) Ethyl Benzene	10.25	91	117666	19.61	ug/l	98
67) m/p-Xylenes	10.36	106	93217	40.34	ug/l	97
68) o-Xylene	10.70	106	44438	20.10	ug/l	96
69) Styrene	10.71	104	74267	19.84	ug/l	97
70) Isopropylbenzene	11.02	105	119111	19.57	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	41654	19.17	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	47984	26.55	ug/l	92
73) Bromobenzene	11.26	156	33389	20.36	ug/l	96
74) n-propylbenzene	11.36	91	140227	19.56	ug/l	99
75) 2-Chlorotoluene	11.42	91	83806	19.83	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	101798	19.71	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	11995	19.48	ug/l	98
78) 4-Chlorotoluene	11.51	91	97700	19.76	ug/l	98
79) tert-butylbenzene	12.07	119	106224	19.99	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	104546	19.78	ug/l	97
81) sec-Butylbenzene	11.94	105	118961	19.78	ug/l	100
82) p-Isopropyltoluene	12.07	119	106224	19.99	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	62072	20.72	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	63203	20.96	ug/l	99
85) n-Butylbenzene	12.39	91	92447	19.60	ug/l	99
86) Hexachloroethane	12.60	117	15675	18.31	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	62224	20.69	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	8717	19.01	ug/l	93
89) 1,2,4-Trichlorobenzene	13.65	180	46287	21.92	ug/l	99
90) Hexachlorobutadiene	13.79	225	21310	22.26	ug/l	98
91) Naphthalene	13.83	128	134495	20.84	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	47273	21.99	ug/l	99

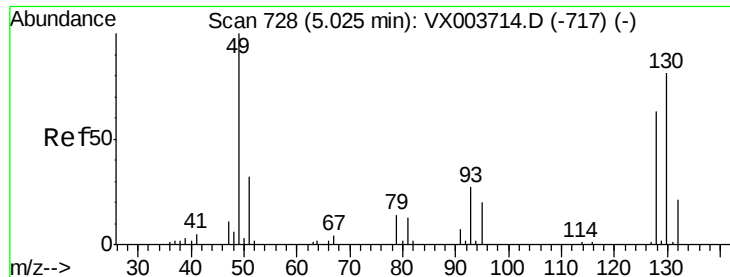
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

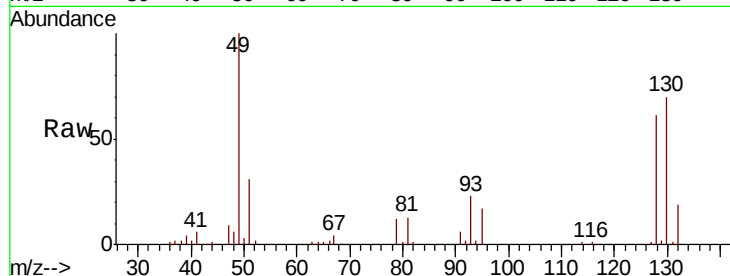
Tot Ion:128 Resp: 23354

Ion Ratio Lower Upper

128 100

49 153.0 0.0 423.0

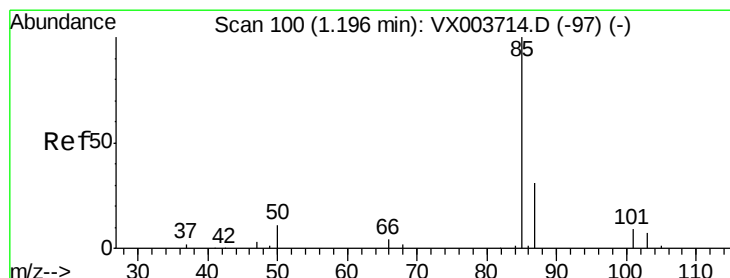
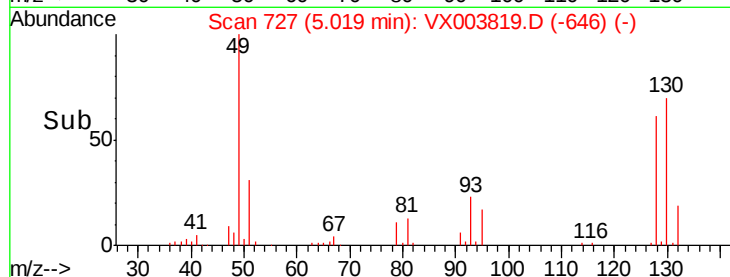
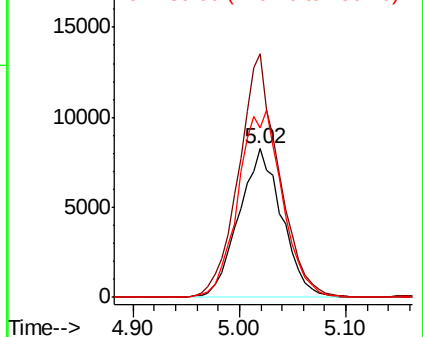
130 129.6 0.0 324.3



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: 26.31 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003819.D

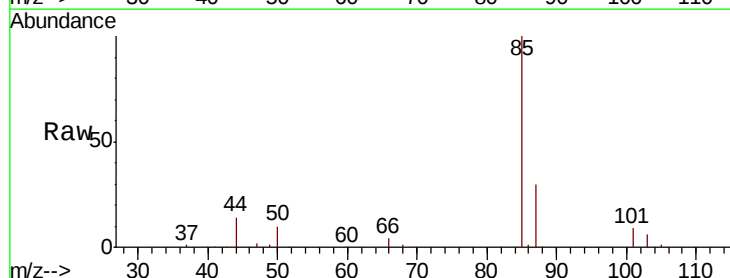
Acq: 02 Aug 2018 12:03

Tgt Ion: 85 Resp: 32457

Ion Ratio Lower Upper

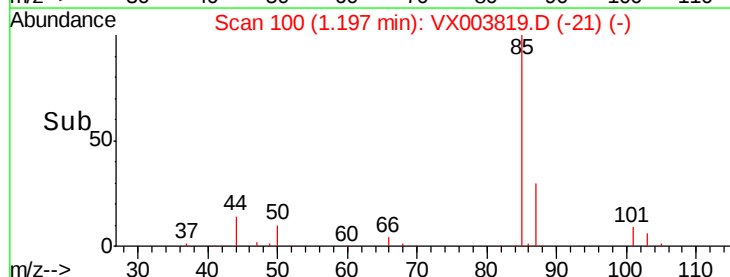
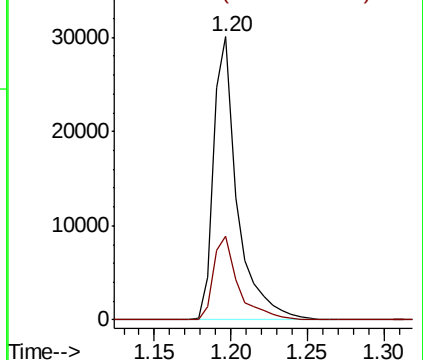
85 100

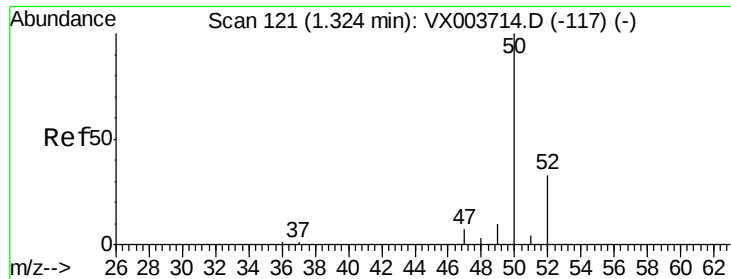
87 29.7 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 24.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

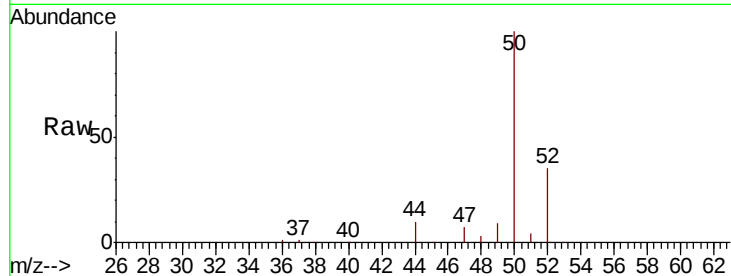
VSTDCCC020

Tot Ion: 50 Resp: 40052

Ion Ratio Lower Upper

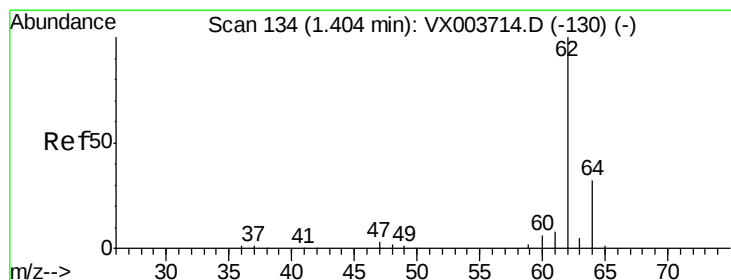
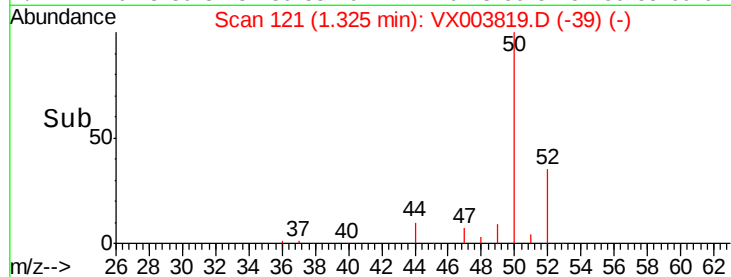
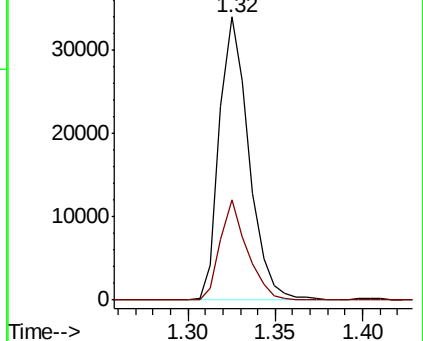
50 100

52 35.3 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 17.51 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003819.D

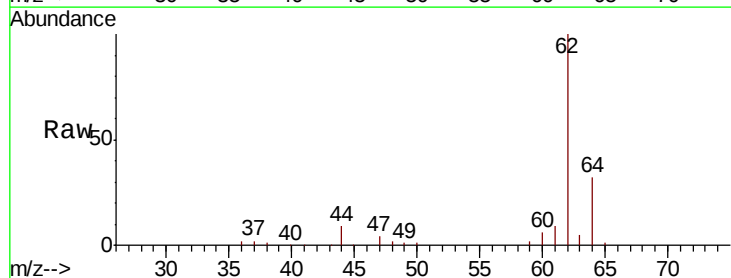
Acq: 02 Aug 2018 12:03

Tgt Ion: 62 Resp: 30577

Ion Ratio Lower Upper

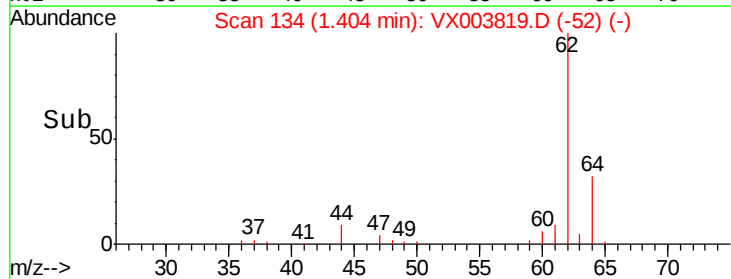
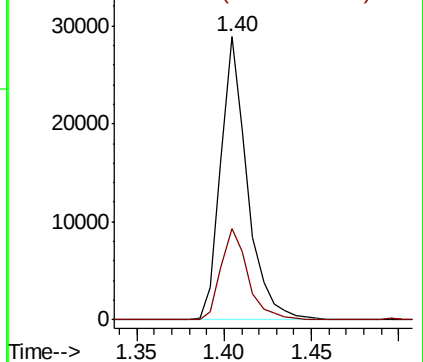
62 100

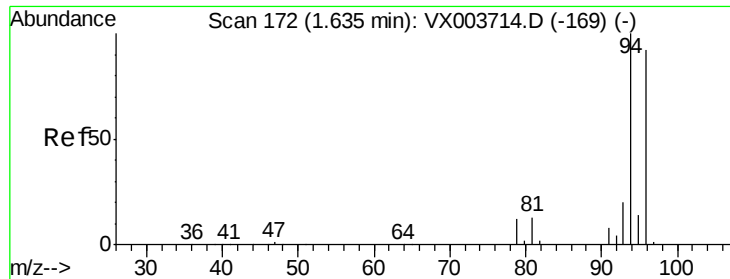
64 32.0 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

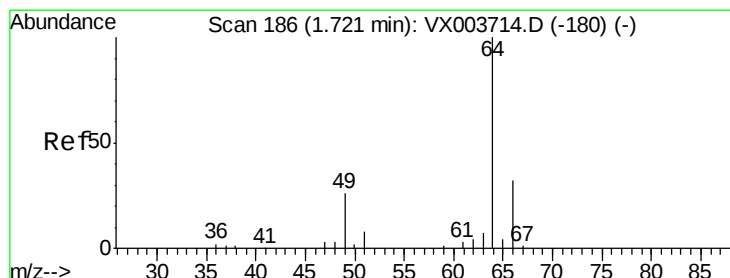
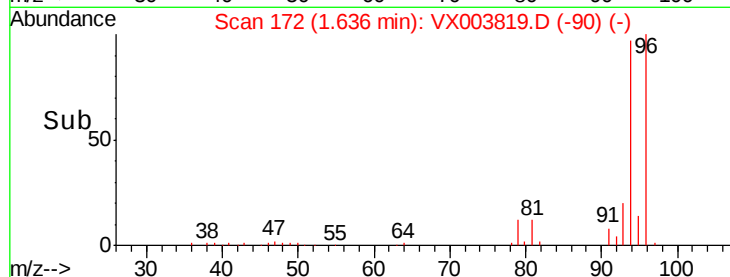
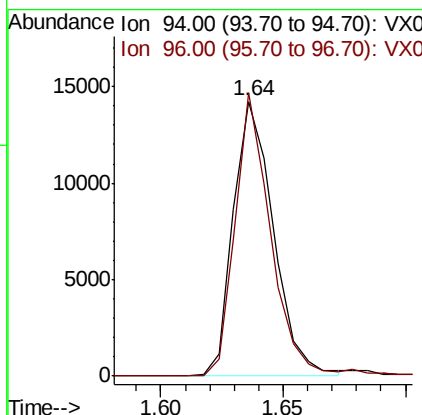
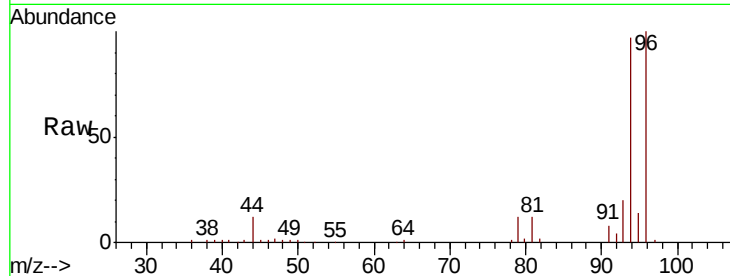




#5
Bromomethane
Concen: 15.59 ug/l
RT: 1.64 min Scan# 172
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

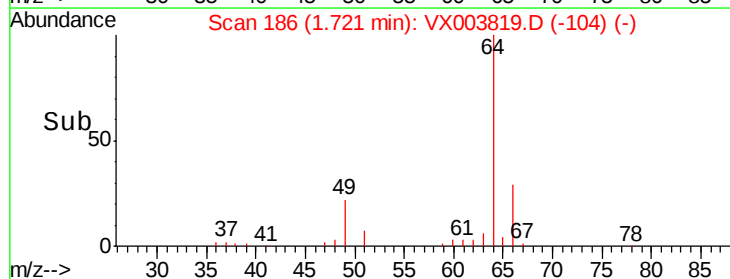
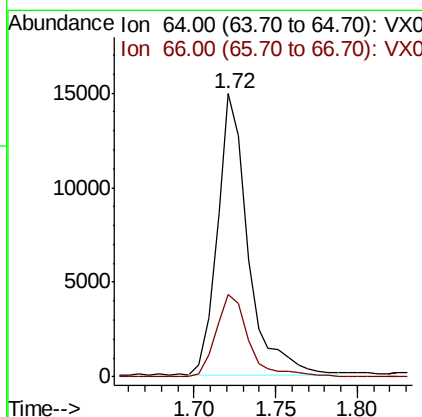
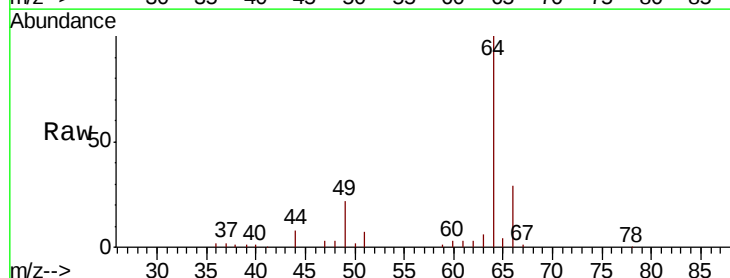
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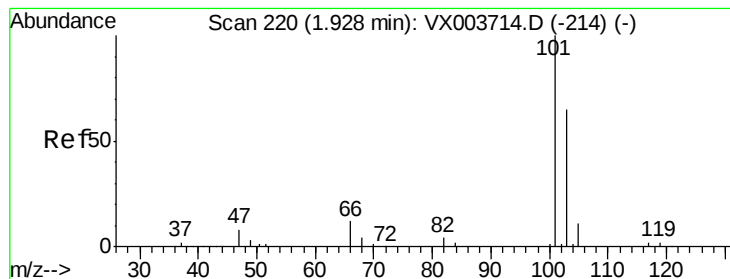
Tot Ion: 94 Resp: 16273
Ion Ratio Lower Upper
94 100
96 102.9 75.7 113.5



#6
Chloroethane
Concen: 16.89 ug/l
RT: 1.72 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 64 Resp: 19303
Ion Ratio Lower Upper
64 100
66 29.5 24.3 36.5





#7

Trichlorofluoromethane

Concen: 17.46 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

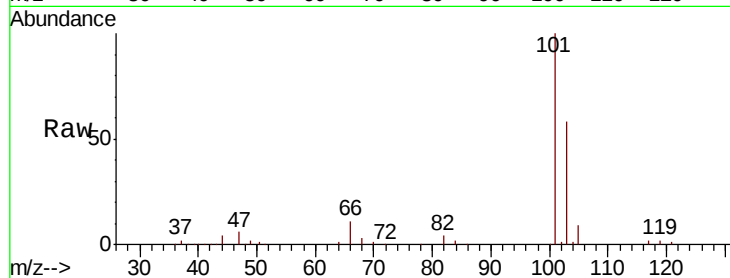
VSTDCCC020

Tot Ion:101 Resp: 40997

Ion Ratio Lower Upper

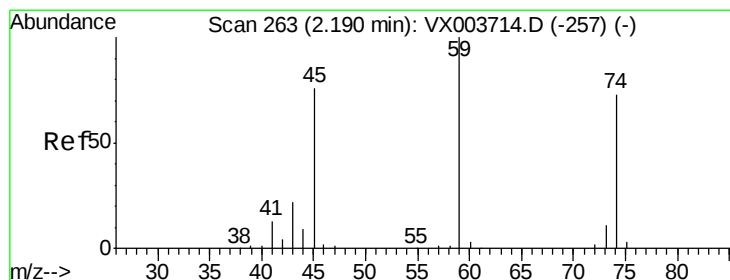
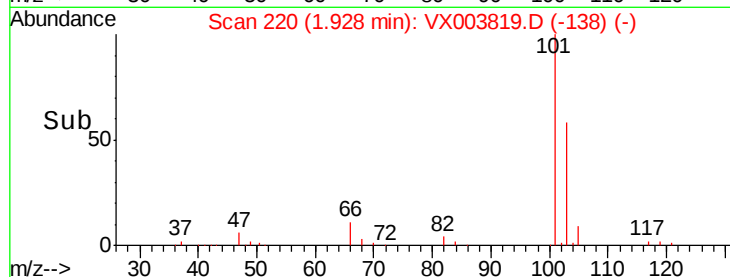
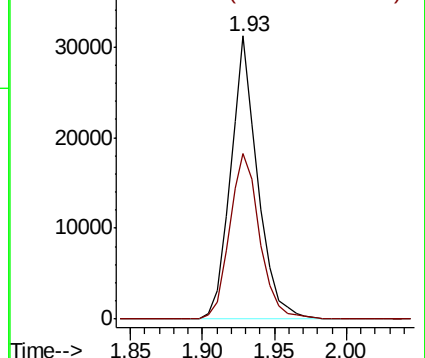
101 100

103 58.3 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 16.74 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003819.D

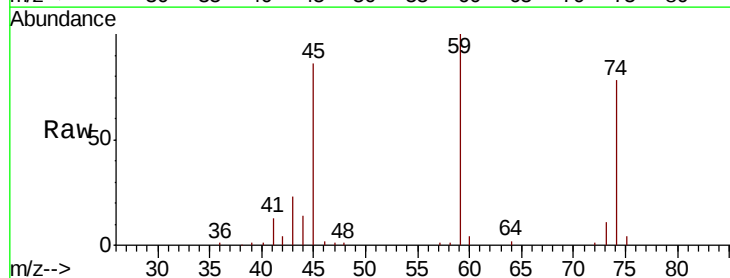
Acq: 02 Aug 2018 12:03

Tgt Ion: 74 Resp: 16854

Ion Ratio Lower Upper

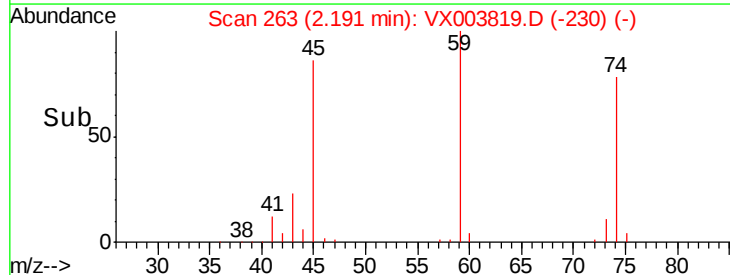
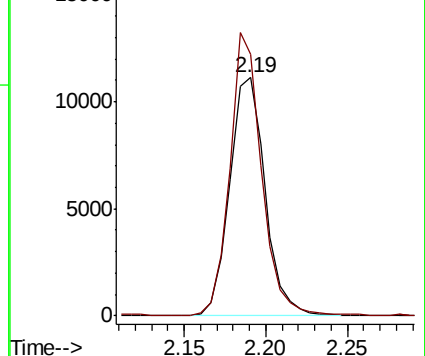
74 100

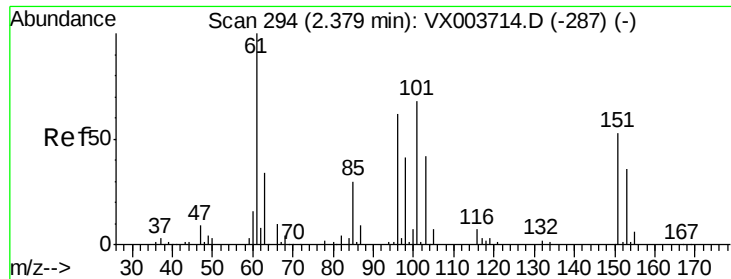
45 106.3 20.5 184.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

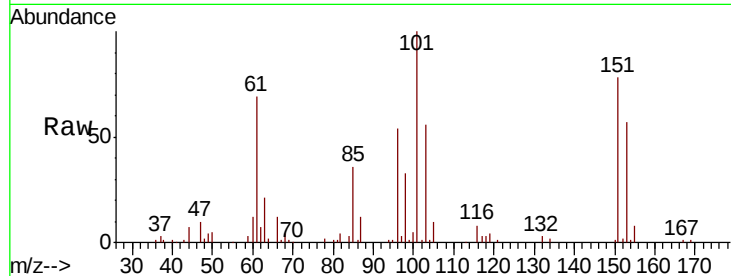




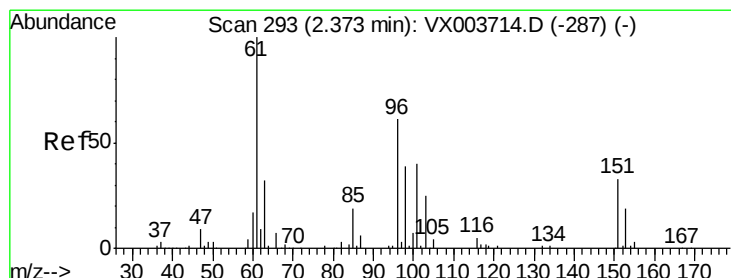
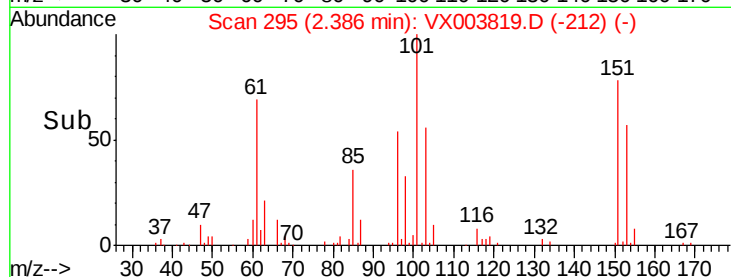
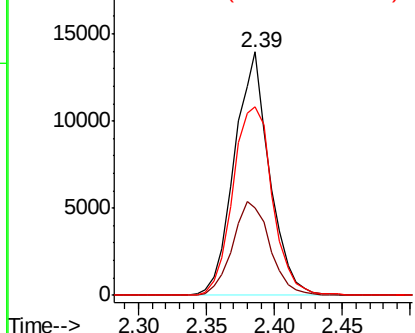
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.63 ug/l
 RT: 2.39 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
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Tot Ion:101 Resp: 25099
 Ion Ratio Lower Upper
 101 100
 85 40.9 0.0 87.0
 151 87.2 0.0 177.6

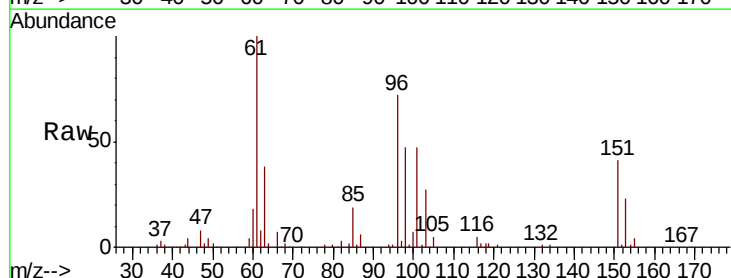


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VX0
 Ion 151.00 (150.70 to 151.70): V

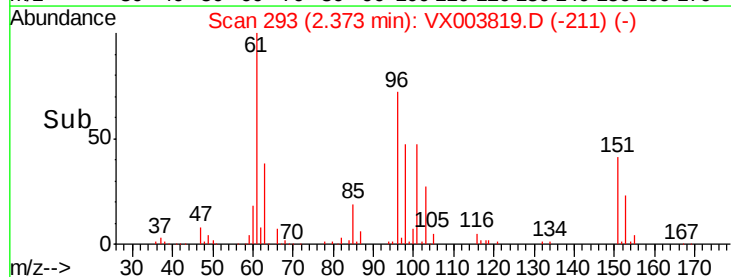
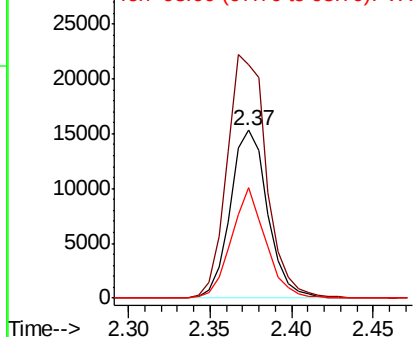


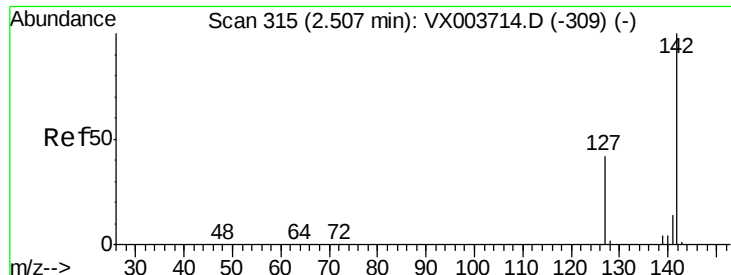
#10
 1,1-Dichloroethene
 Concen: 18.26 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 96 Resp: 24450
 Ion Ratio Lower Upper
 96 100
 61 139.2 137.5 206.3
 98 65.8 51.4 77.2



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

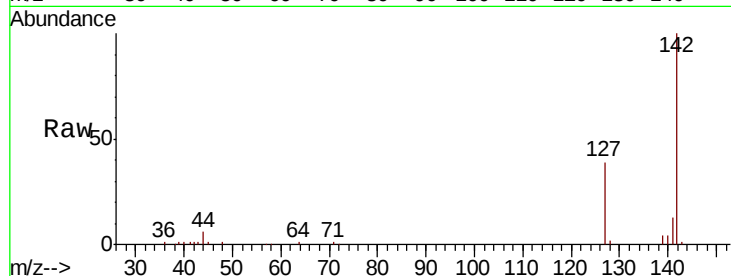




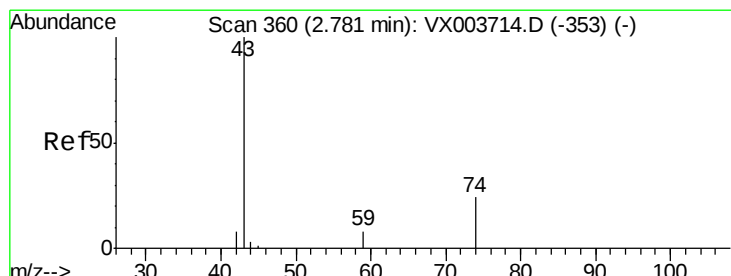
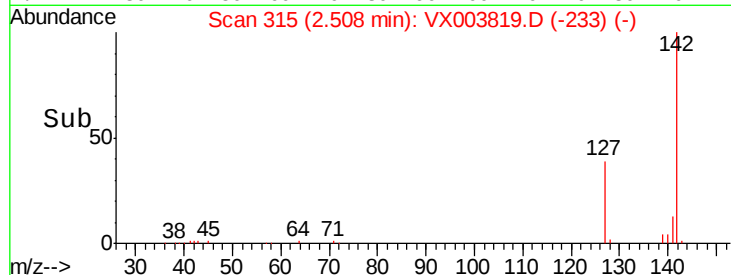
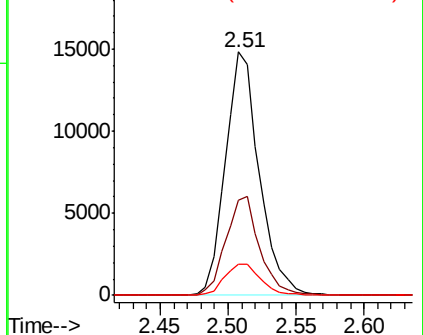
#11
Methyl Iodide
Concen: 13.87 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:142 Resp: 25747
Ion Ratio Lower Upper
142 100
127 39.0 23.2 69.6
141 13.1 7.4 22.2

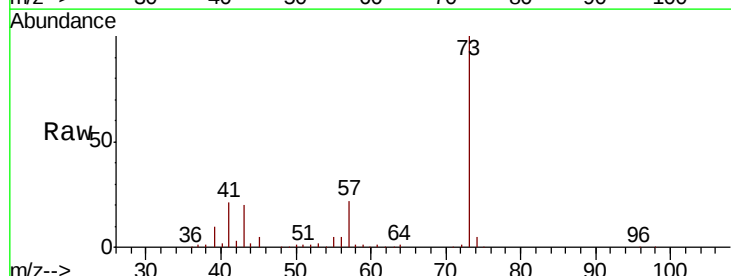


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

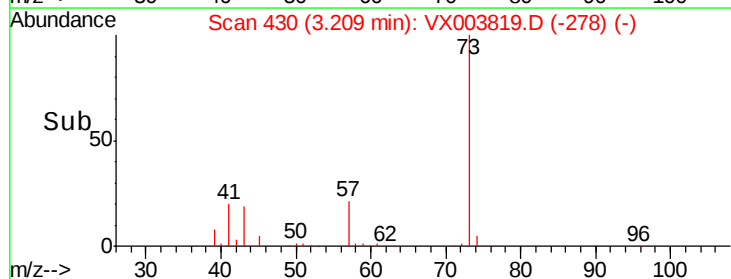
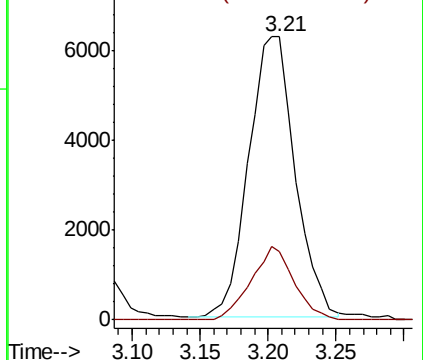


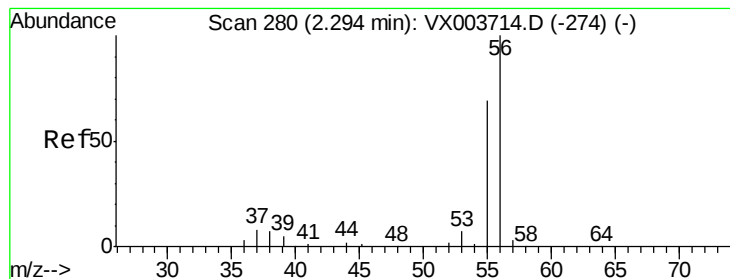
#12
Methyl Acetate
Concen: 6.02 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.43 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 43 Resp: 14919
Ion Ratio Lower Upper
43 100
74 24.6 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 117.90 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

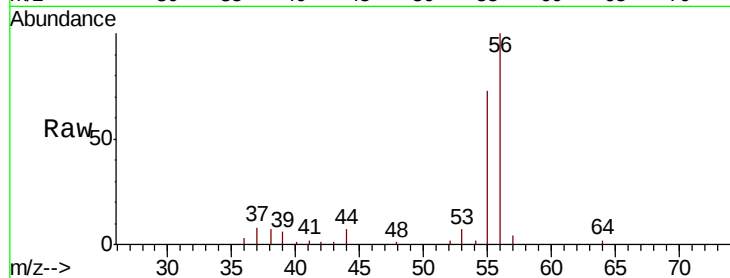
VSTDCCC020

Tot Ion: 56 Resp: 22782

Ion Ratio Lower Upper

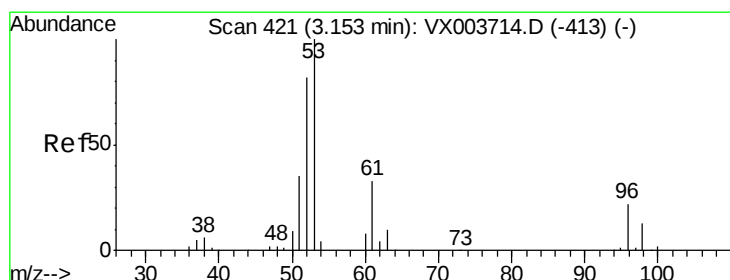
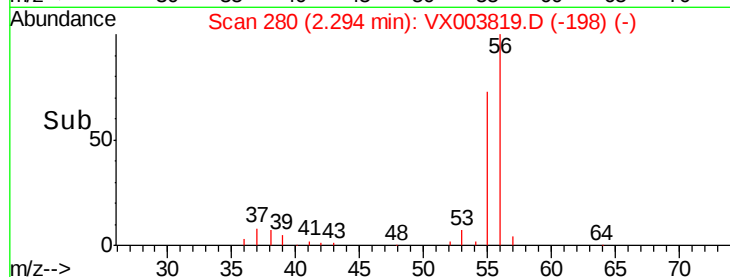
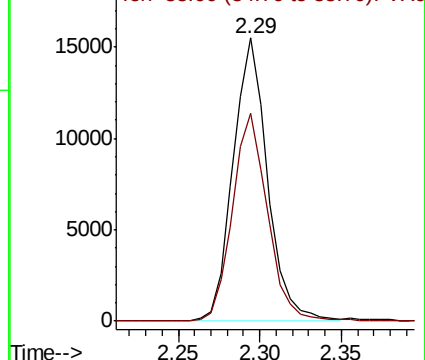
56 100

55 74.4 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 79.01 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

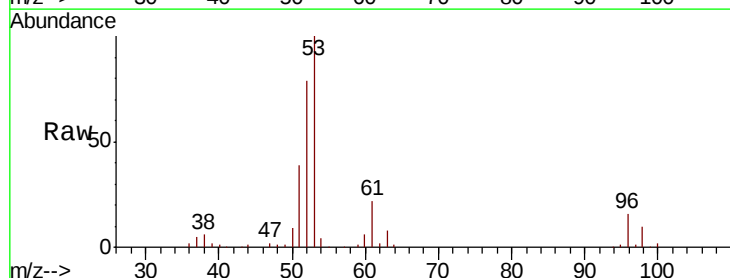
Tgt Ion: 53 Resp: 77131

Ion Ratio Lower Upper

53 100

52 83.4 41.5 124.6

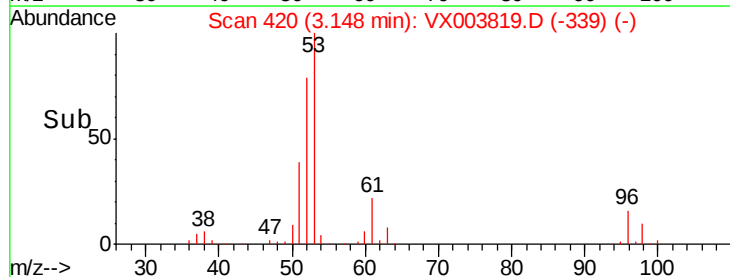
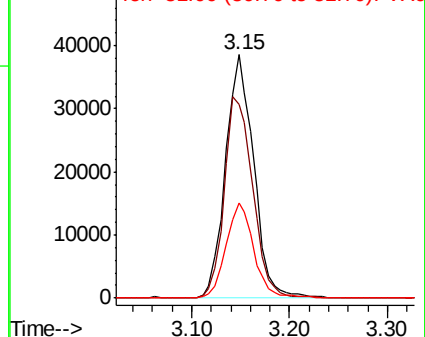
51 38.5 17.9 53.8

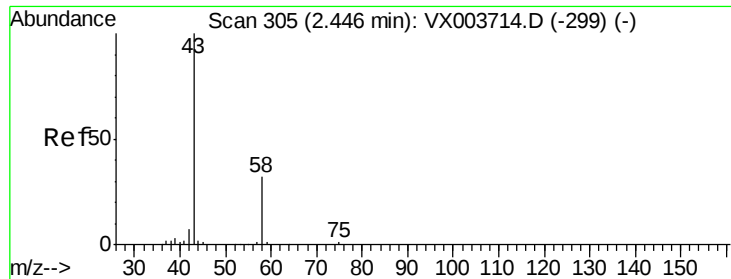


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 86.23 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

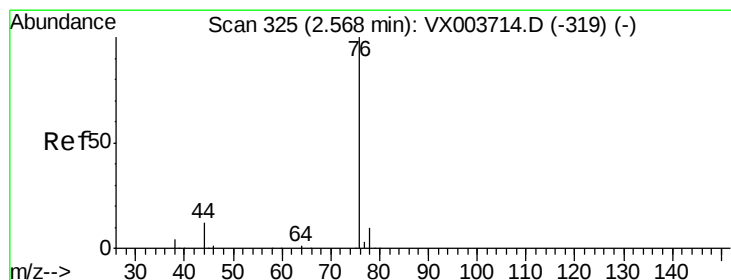
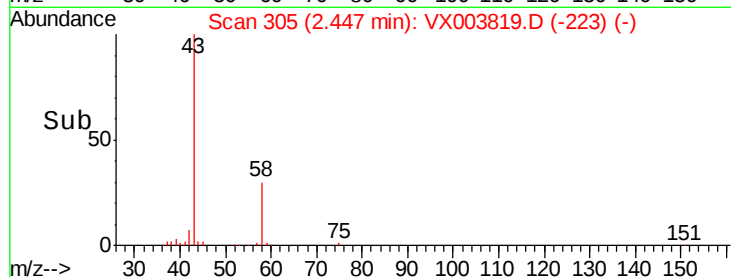
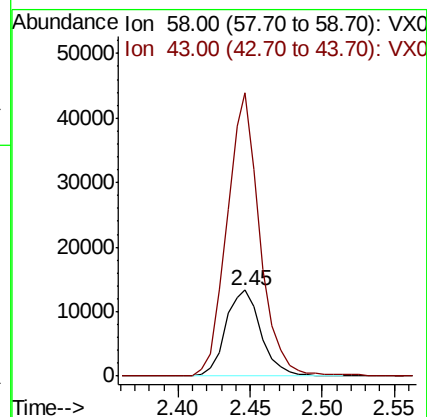
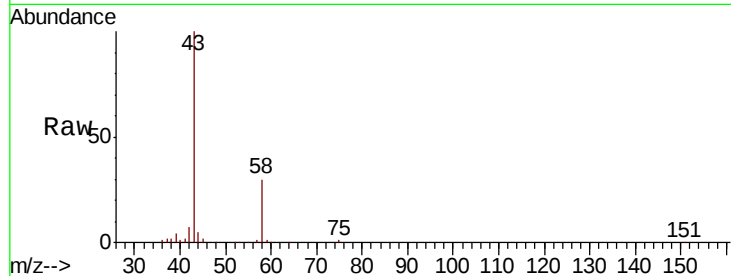
VSTDCCC020

Tot Ion: 58 Resp: 22843

Ion Ratio Lower Upper

58 100

43 328.7 278.8 418.2



#16

Carbon Disulfide

Concen: 17.46 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003819.D

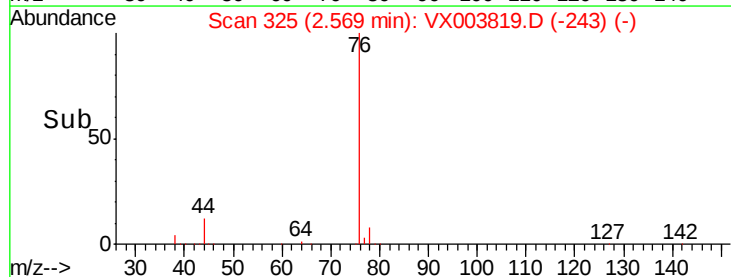
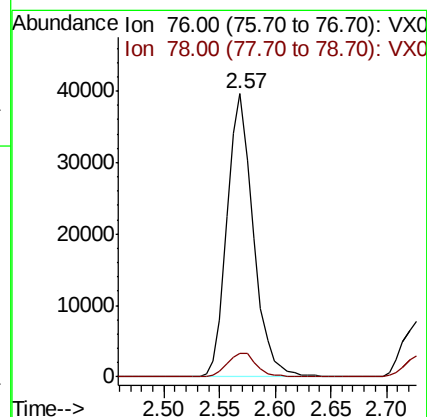
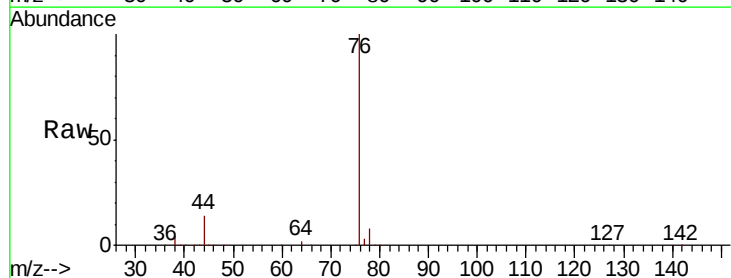
Acq: 02 Aug 2018 12:03

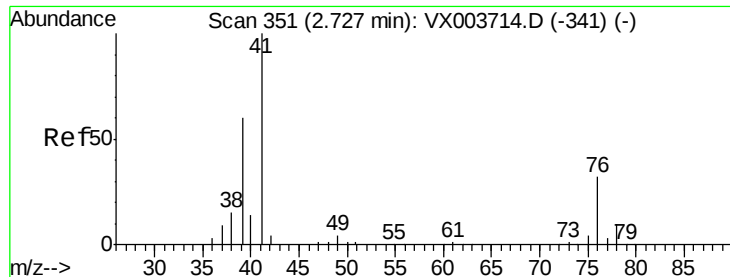
Tgt Ion: 76 Resp: 64915

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.0

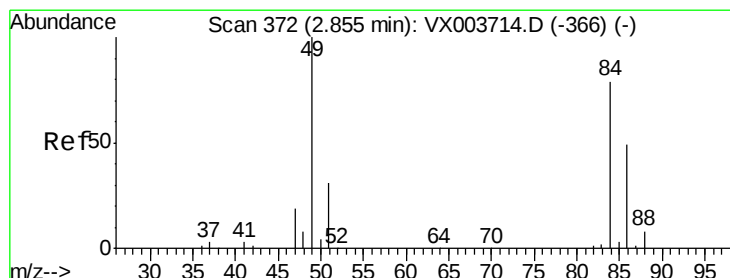
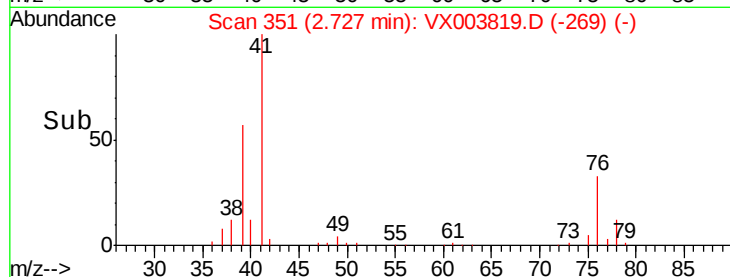
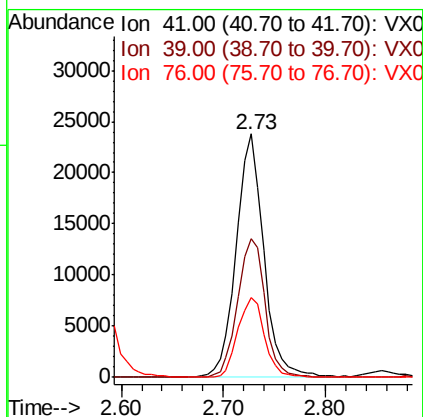
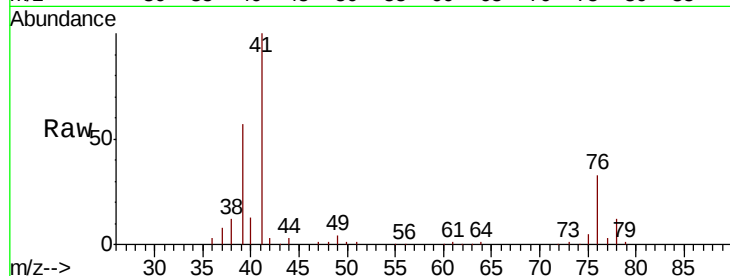




#17
Allvl chloride
Concen: 16.08 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

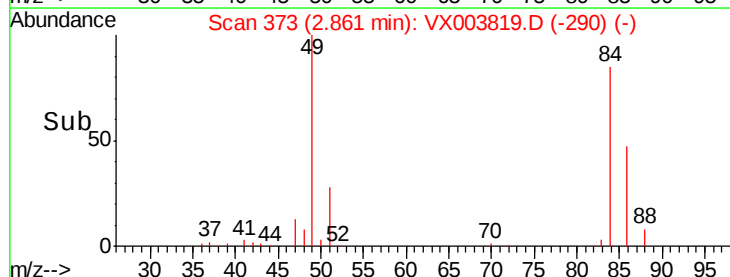
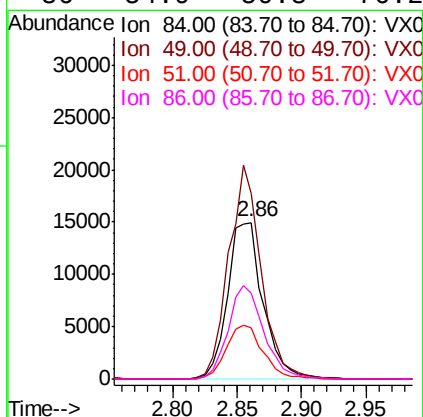
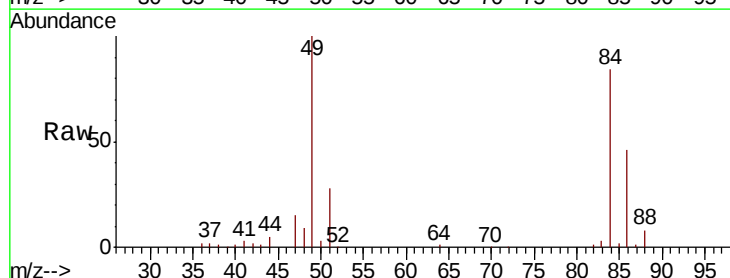
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

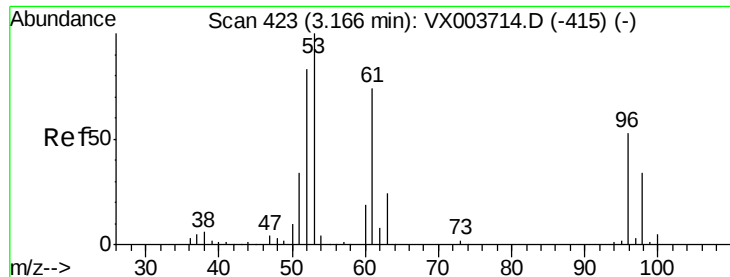
Tot Ion: 41 Resp: 44545
Ion Ratio Lower Upper
41 100
39 56.7 34.6 103.8
76 32.8 15.0 45.1



#18
Methylene Chloride
Concen: 18.20 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 84 Resp: 28868
Ion Ratio Lower Upper
84 100
49 118.6 104.7 157.1
51 33.0 31.0 46.4
86 54.9 50.8 76.2

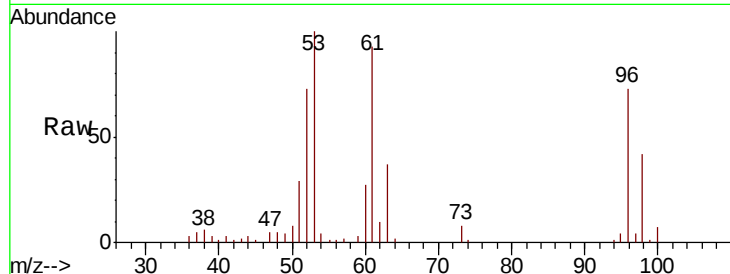




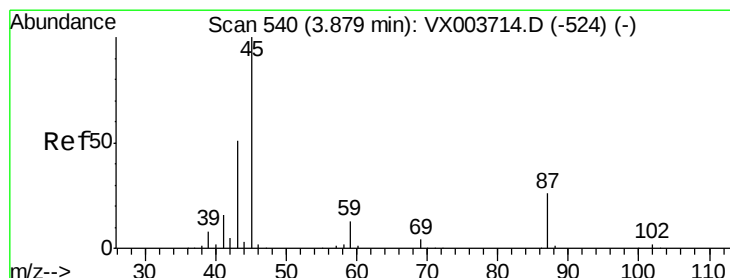
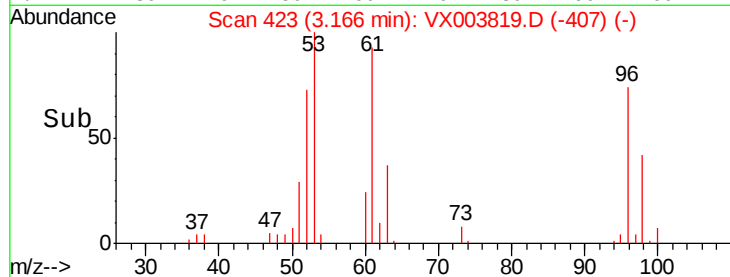
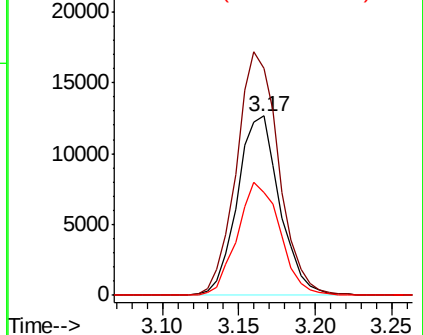
#19
trans-1,2-Dichloroethene
Concen: 16.83 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 24361
Ion Ratio Lower Upper
96 100
61 126.7 114.6 172.0
98 57.6 51.3 76.9

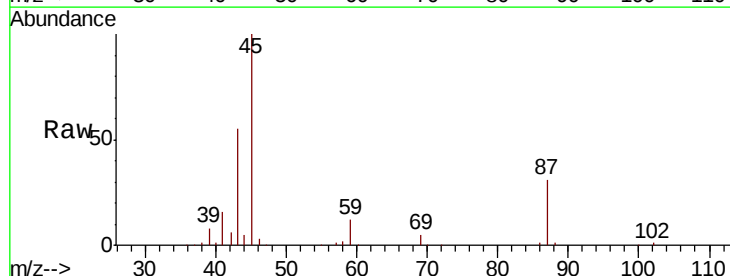


Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

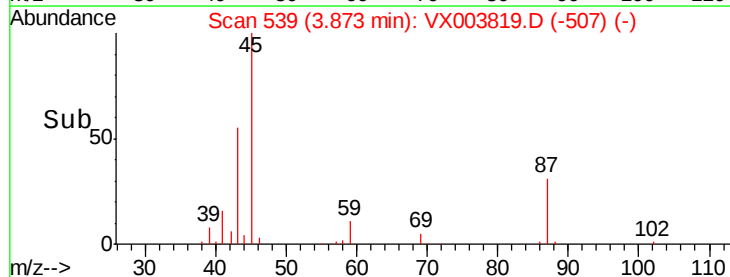
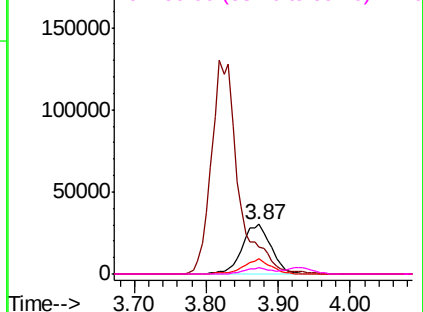


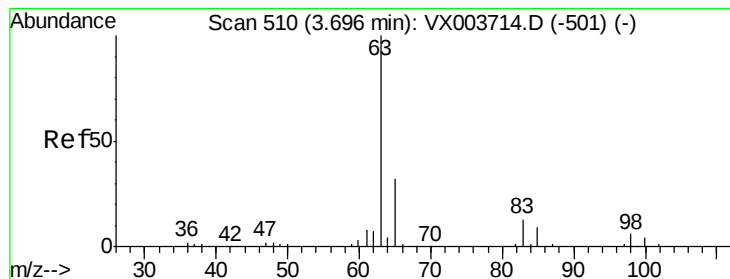
#20
Diisopropyl ether
Concen: 16.58 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 45 Resp: 84388
Ion Ratio Lower Upper
45 100
43 54.7 45.6 68.4
87 31.2 20.7 31.1#
59 11.7 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 16.81 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

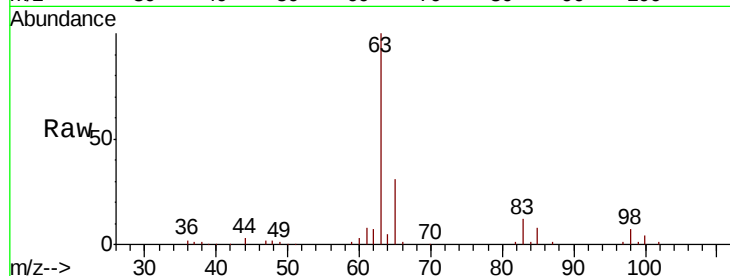
Tot Ion: 63 Resp: 48420

Ion Ratio Lower Upper

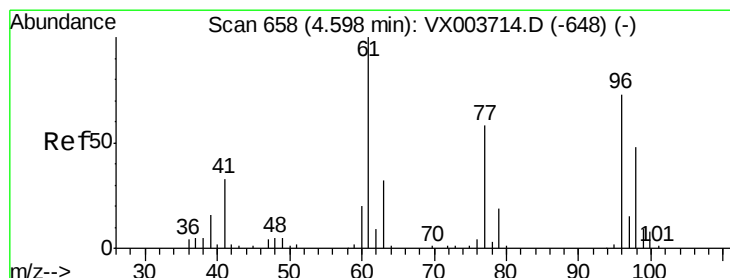
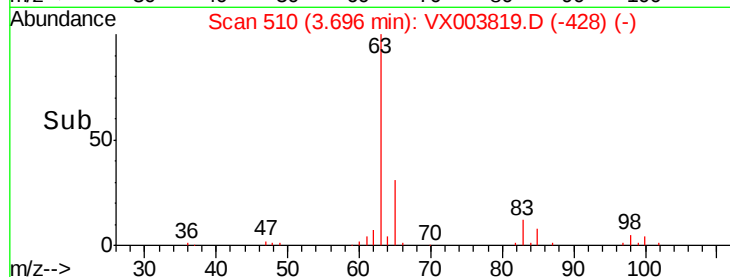
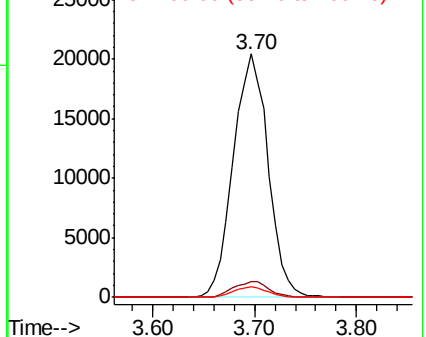
63 100

98 6.5 3.1 9.3

100 4.3 2.2 6.6



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: 20.52 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

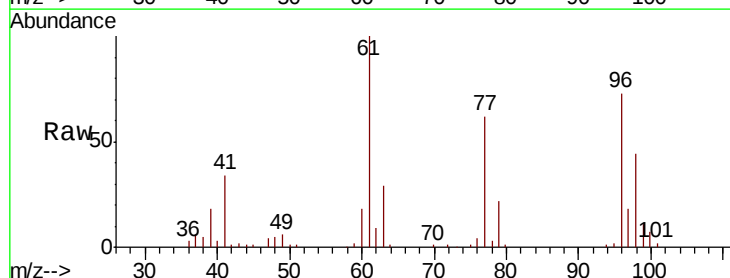
Tgt Ion: 96 Resp: 29988

Ion Ratio Lower Upper

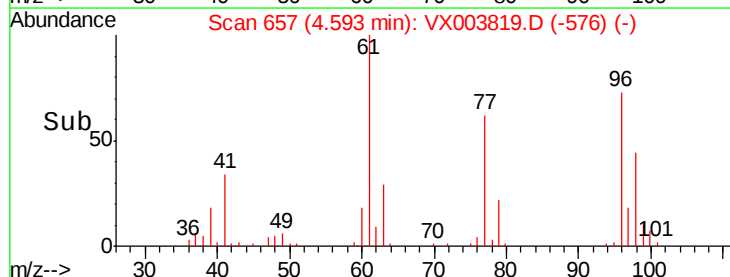
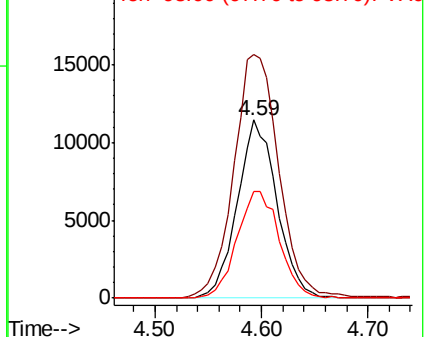
96 100

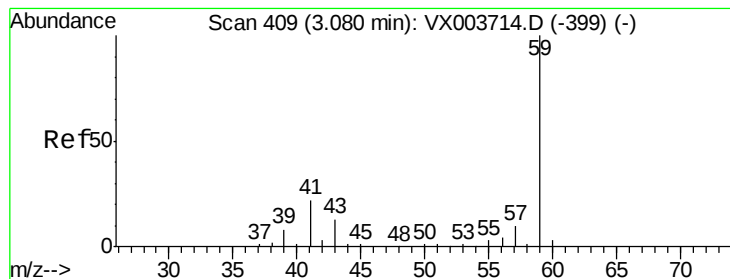
61 155.0 160.2 240.2#

98 63.5 54.1 81.1



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: 79.03 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

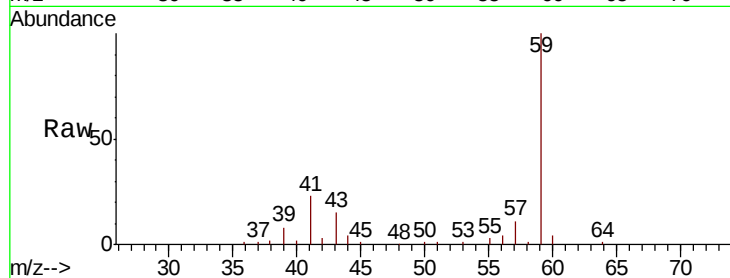
VSTDCCC020

Tot Ion: 59 Resp: 32406

Ion Ratio Lower Upper

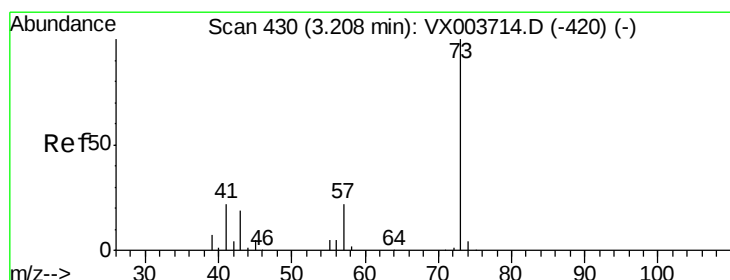
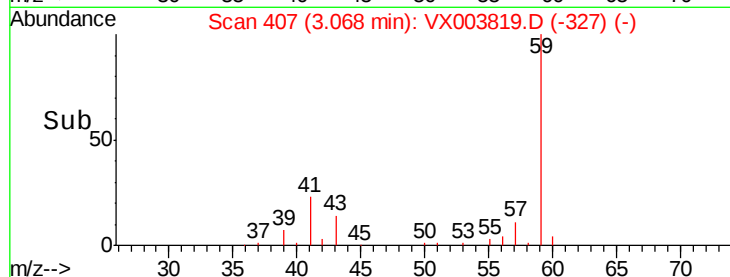
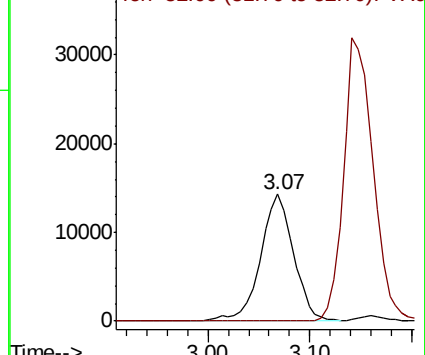
59 100

52 0.0 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: 16.92 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.01 min

Lab File: VX003819.D

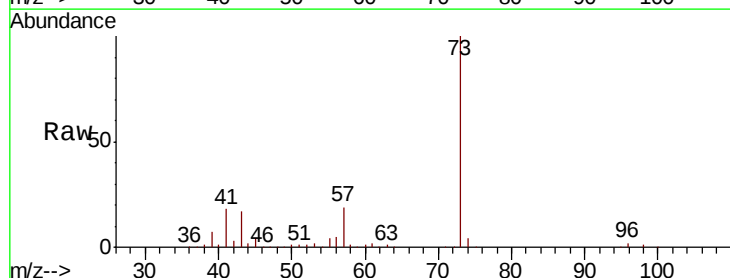
Acq: 02 Aug 2018 12:03

Tgt Ion: 73 Resp: 81248

Ion Ratio Lower Upper

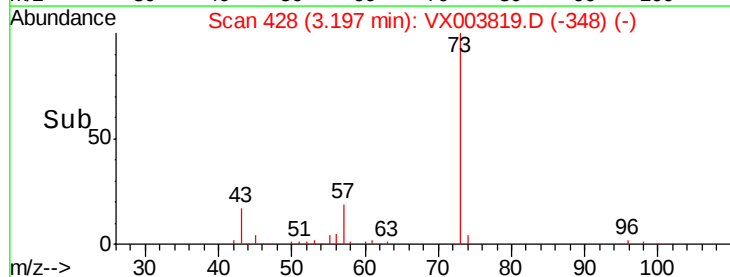
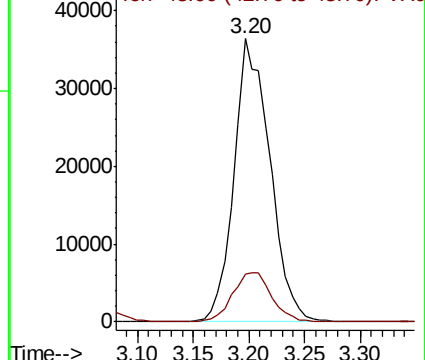
73 100

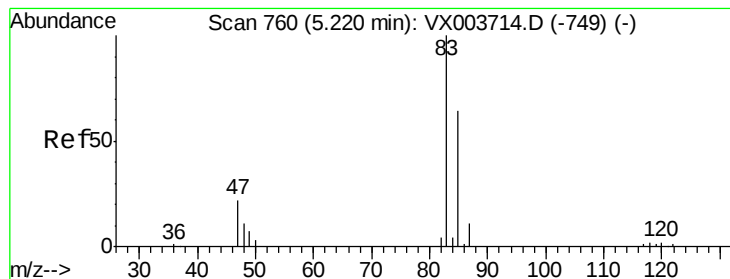
43 18.4 19.0 28.4#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 19.36 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

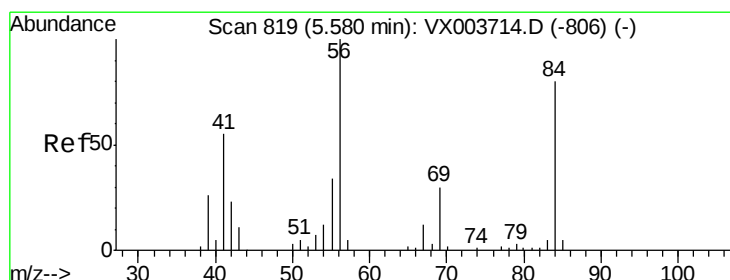
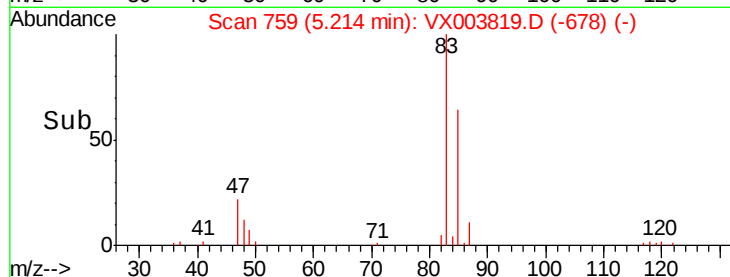
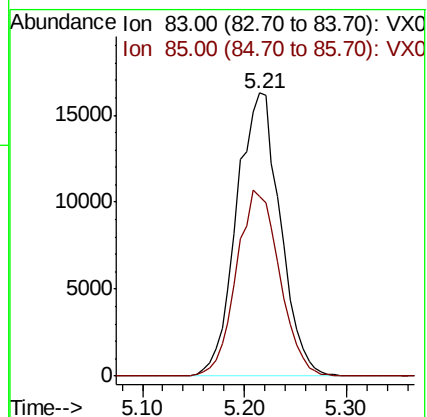
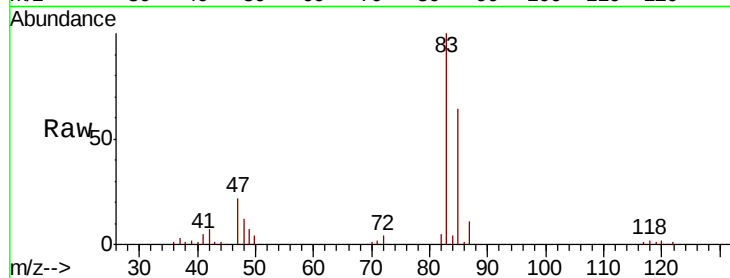
VSTDCCC020

Tot Ion: 83 Resp: 48306

Ion Ratio Lower Upper

83 100

85 63.5 51.9 77.9



#26

Cyclohexane

Concen: 19.23 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

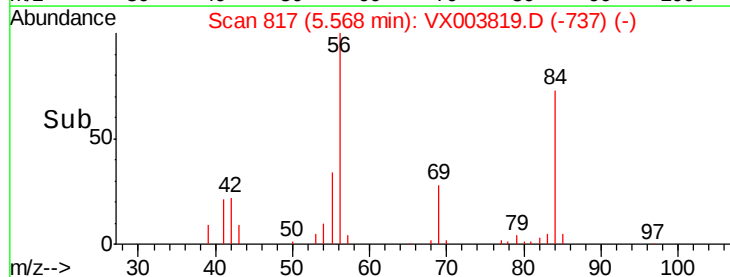
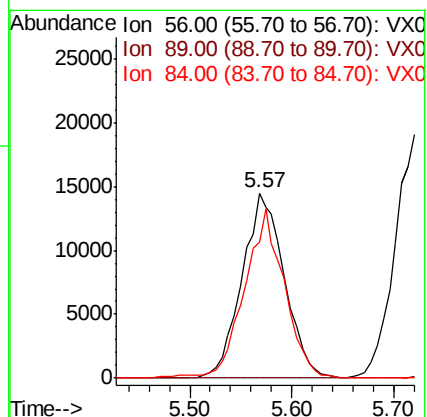
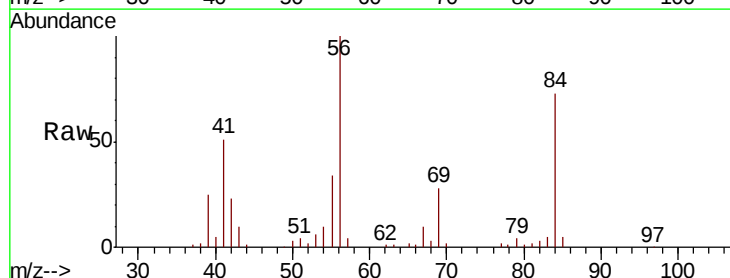
Tgt Ion: 56 Resp: 41623

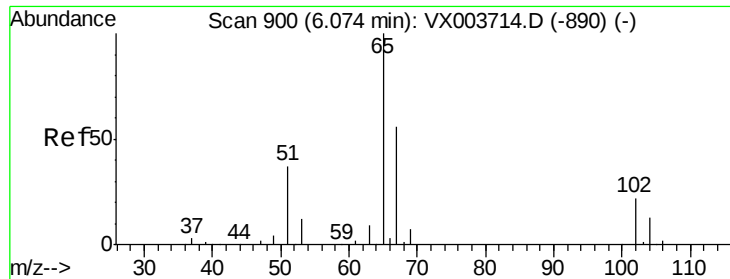
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 85.6 64.9 97.3

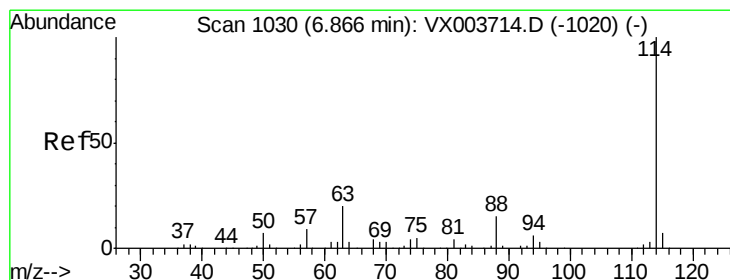
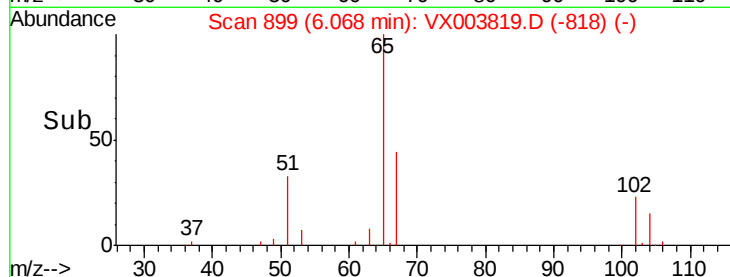
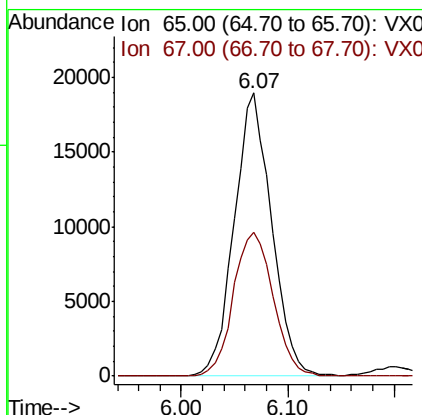
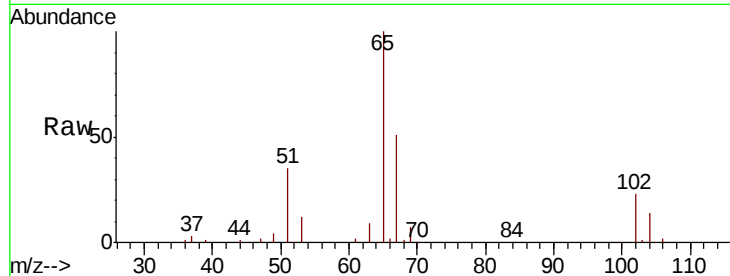




#27
 1,2-Dichloroethane-d4
 Concen: 27.26 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

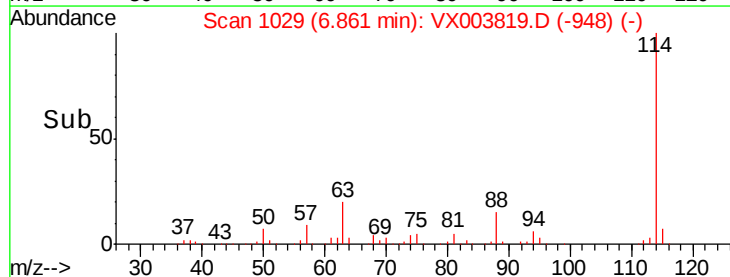
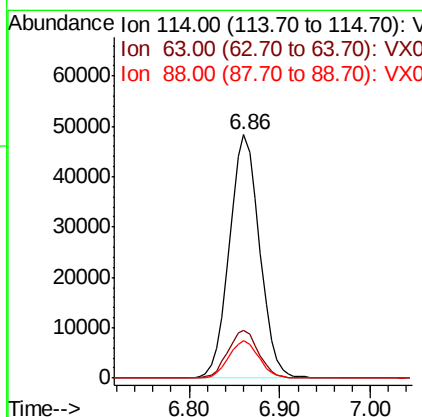
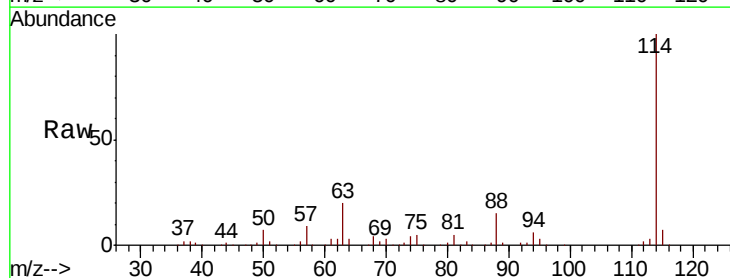
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

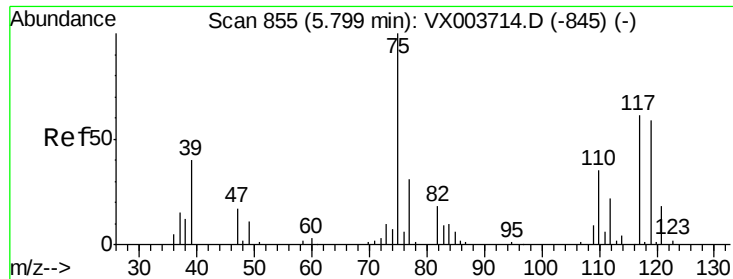
Tot Ion: 65 Resp: 46739
 Ion Ratio Lower Upper
 65 100
 67 54.2 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 114 Resp: 111823
 Ion Ratio Lower Upper
 114 100
 63 19.9 17.1 25.7
 88 15.3 12.6 19.0

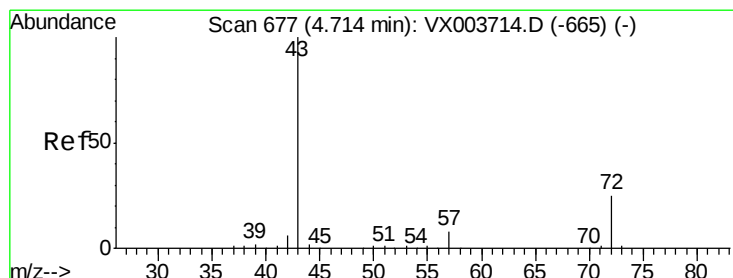
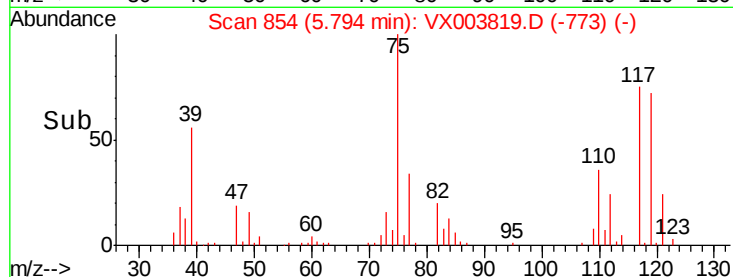
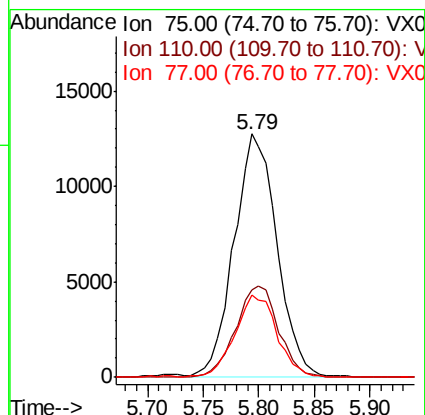
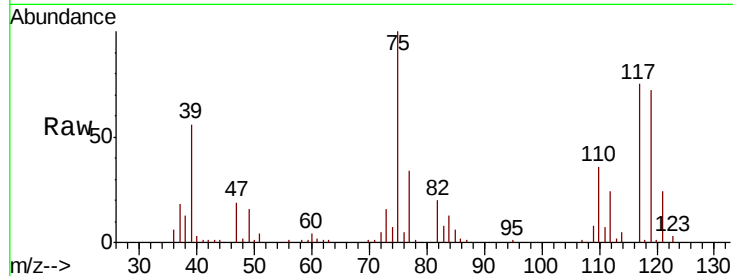




#29
 1,1-Dichloropropene
 Concen: 20.76 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

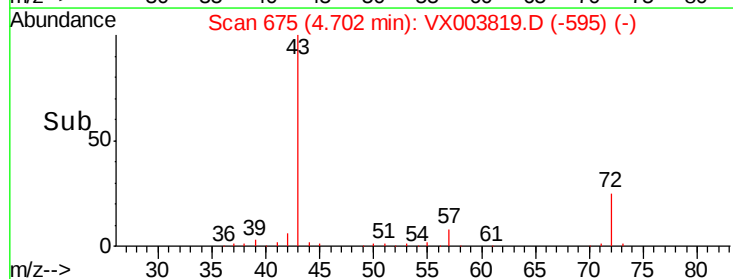
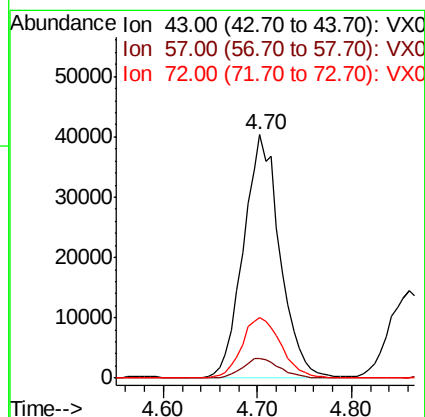
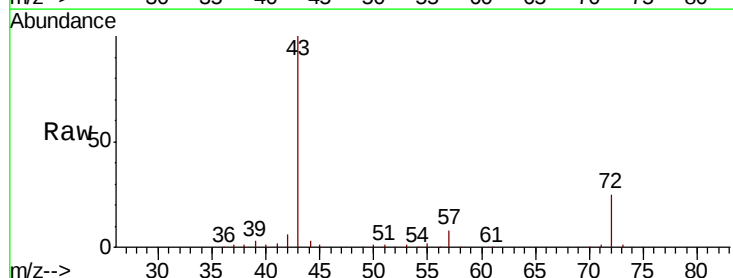
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

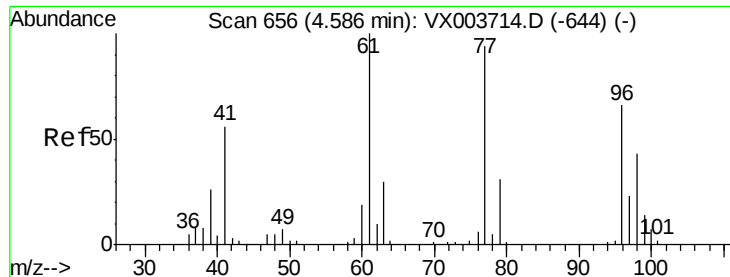
Tot Ion	Ratio	Lower	Upper
75	100		
110	37.2	0.0	71.4
77	33.0	0.0	60.6



#30
 2-Butanone
 Concen: 104.06 ug/l
 RT: 4.70 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.1	9.1
72	26.5	18.1	27.1

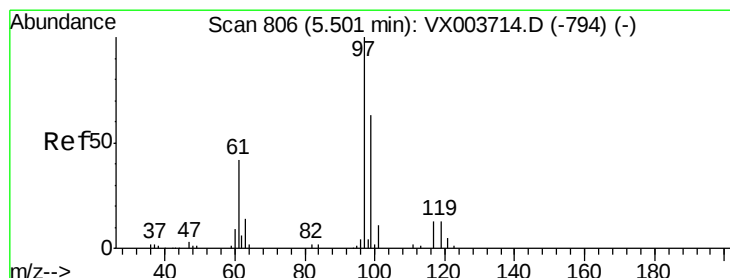
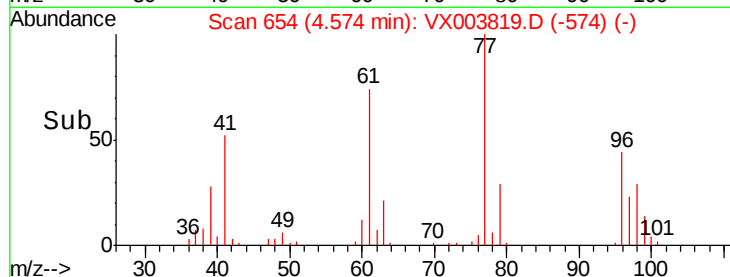
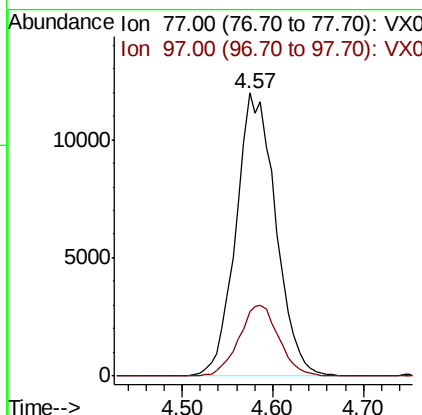
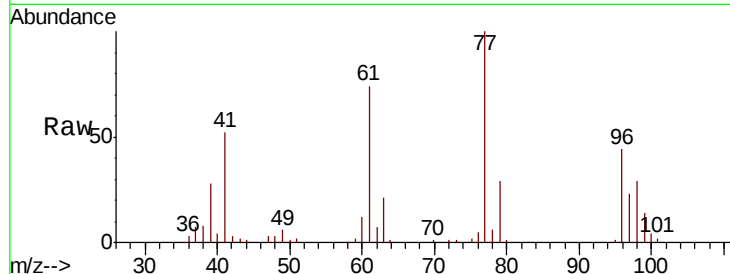




#31
 2,2-Dichloropropane
 Concen: 22.77 ug/l
 RT: 4.57 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

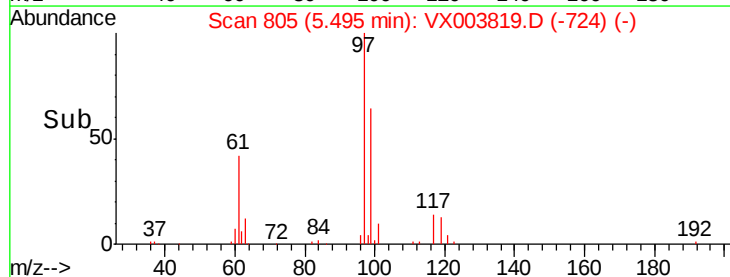
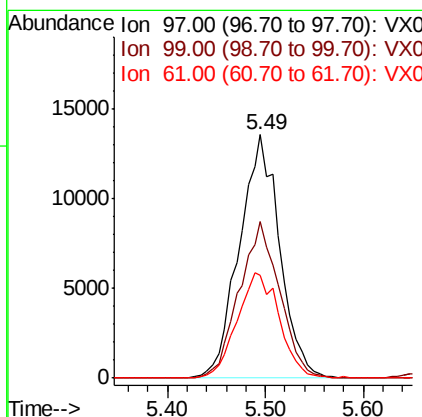
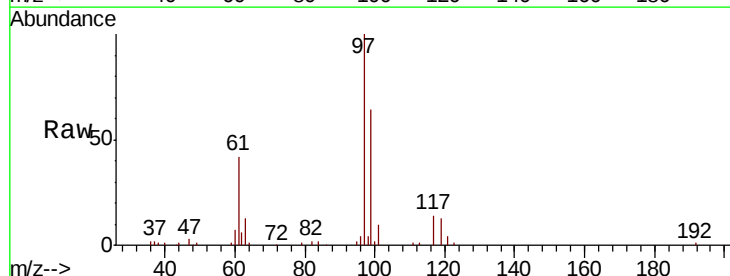
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

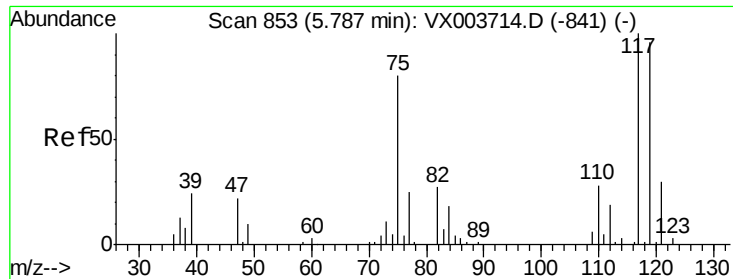
Tot Ion: 77 Resp: 36419
 Ion Ratio Lower Upper
 77 100
 97 25.0 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 20.60 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 97 Resp: 38915
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 45.2 36.4 54.6

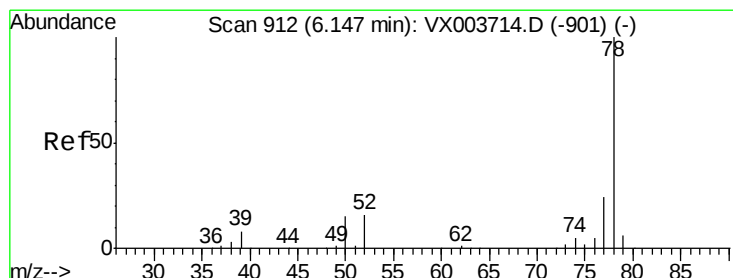
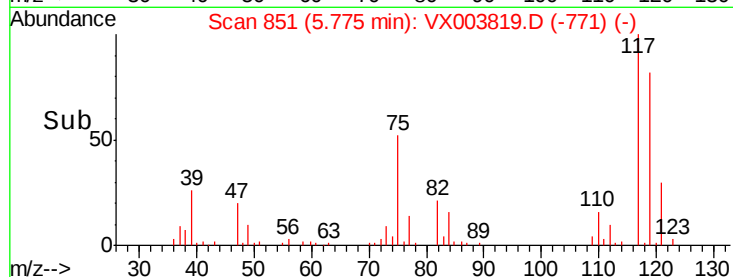
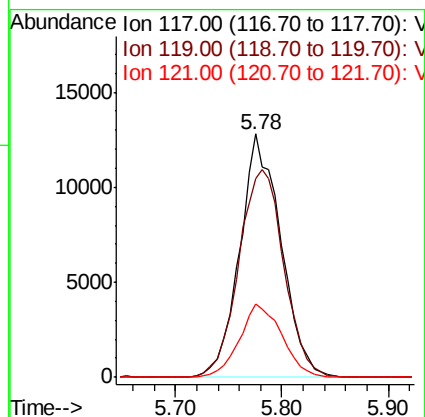
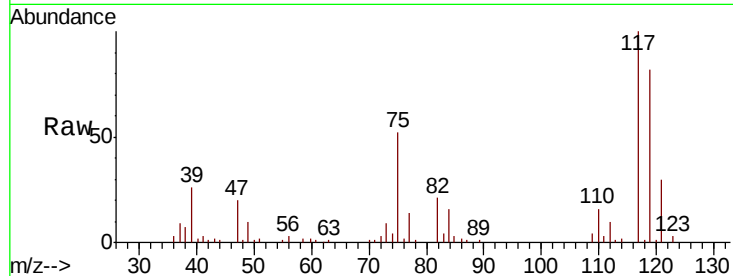




#33
Carbon Tetrachloride
Concen: 21.08 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

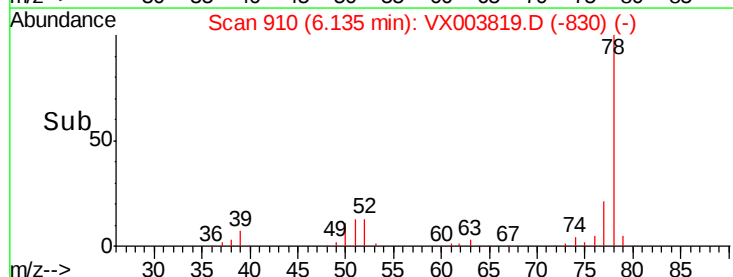
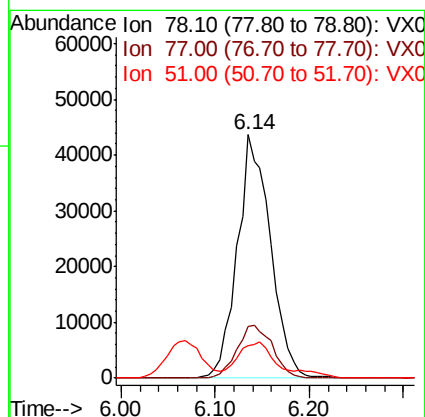
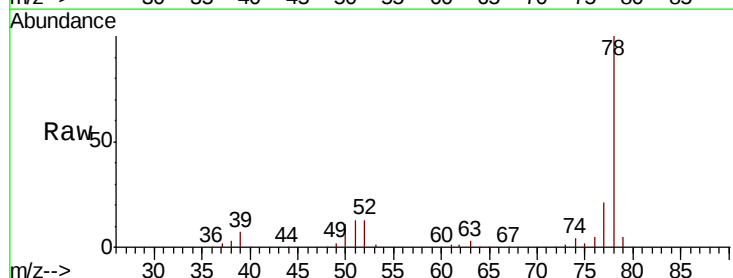
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

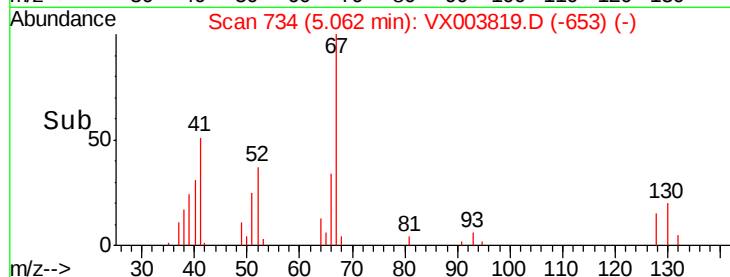
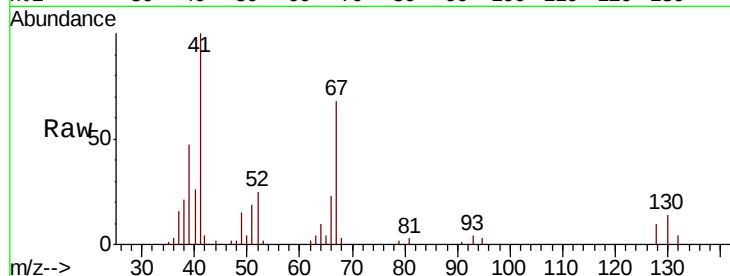
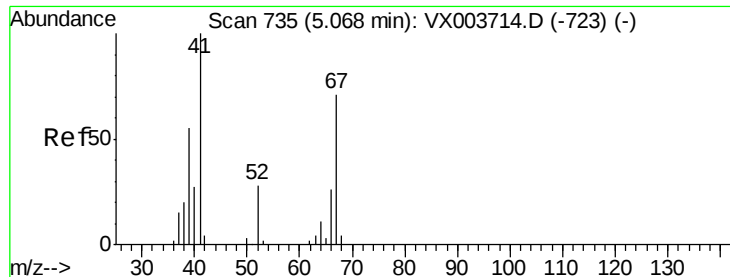
Tot Ion:117 Resp: 34602
Ion Ratio Lower Upper
117 100
119 81.6 73.3 109.9
121 30.1 23.6 35.4



#34
Benzene
Concen: 21.06 ug/l
RT: 6.14 min Scan# 910
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 78 Resp: 106864
Ion Ratio Lower Upper
78 100
77 21.1 19.4 29.0
51 12.9 13.8 20.6#

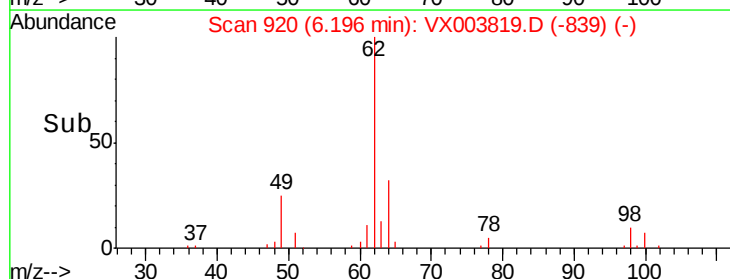
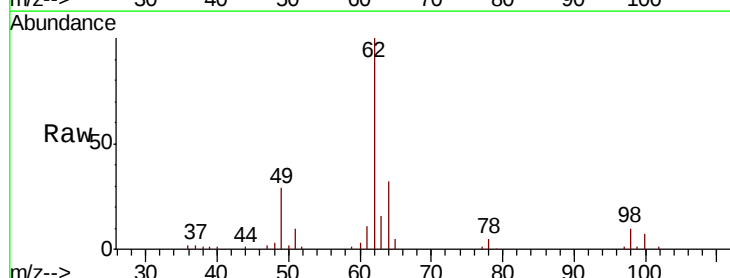
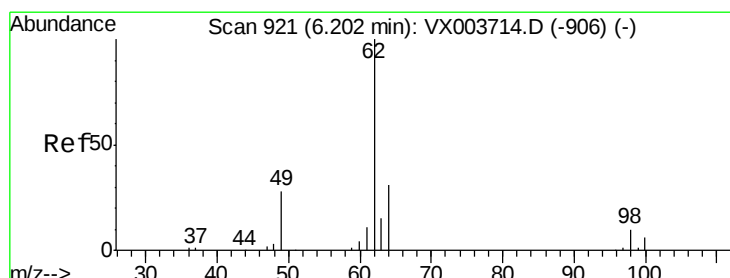
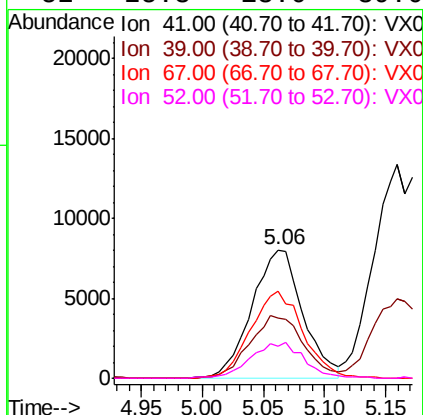




#35
Methacrylonitrile
Concen: 21.21 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

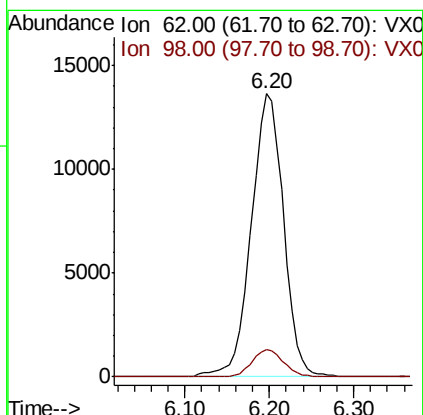
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

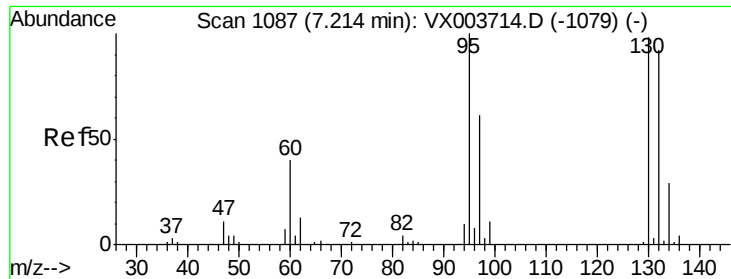
Tot Ion	Ratio	Lower	Upper
41	100		
39	46.9	28.8	86.5
67	67.8	30.4	91.2
52	25.3	13.0	39.0



#36
1,2-Dichloroethane
Concen: 19.55 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	6.5	9.7

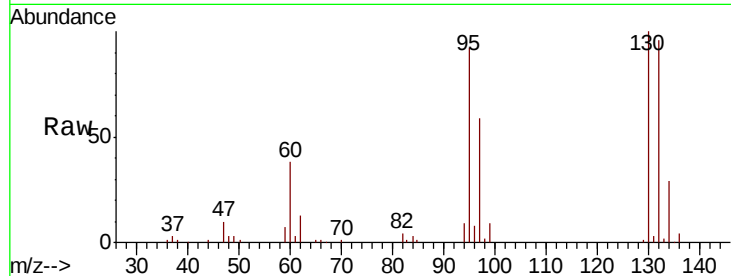




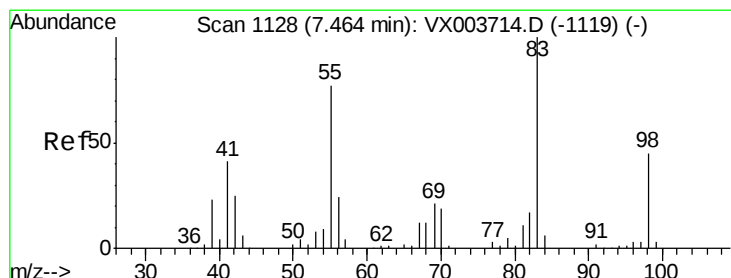
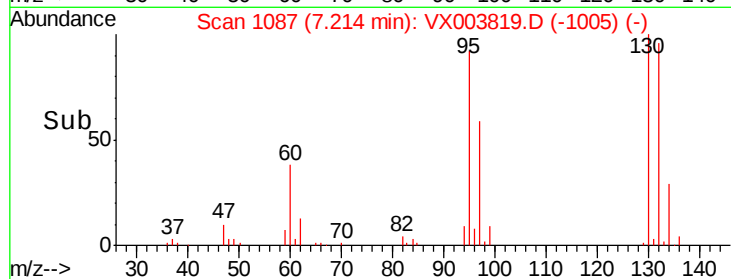
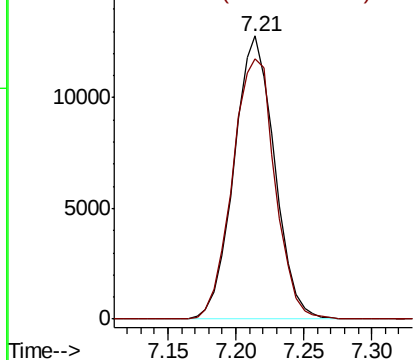
#37
 Trichloroethene
 Concen: 20.13 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 26622
 Ion Ratio Lower Upper
 130 100
 95 92.2 81.5 122.3

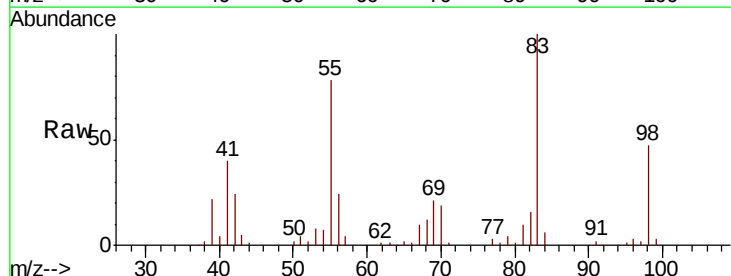


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

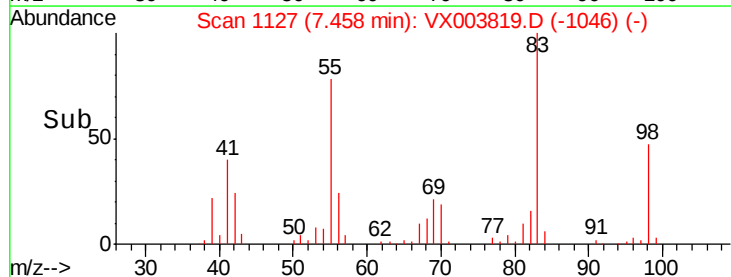
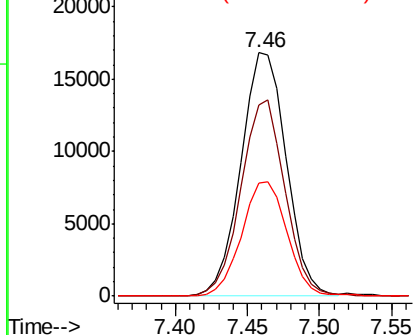


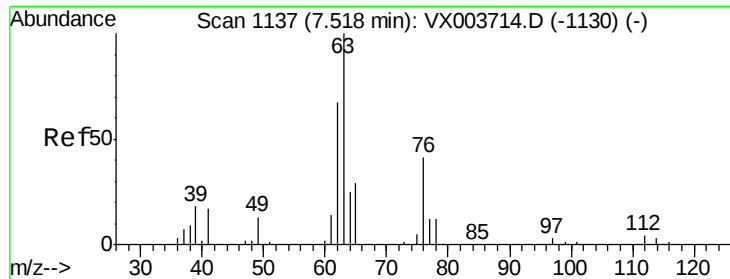
#38
 Methylcyclohexane
 Concen: 19.62 ug/l
 RT: 7.46 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 83 Resp: 36807
 Ion Ratio Lower Upper
 83 100
 55 78.0 40.6 121.8
 98 46.7 23.5 70.5



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

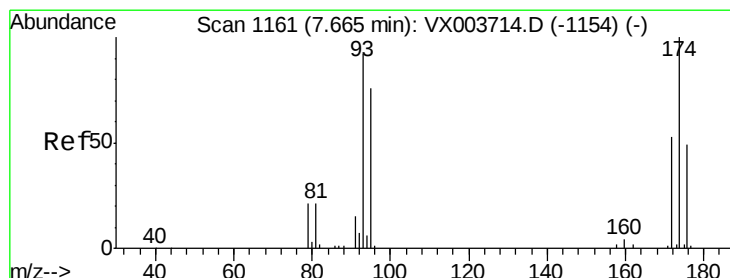
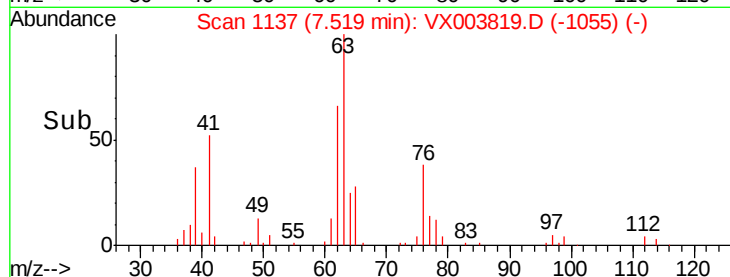
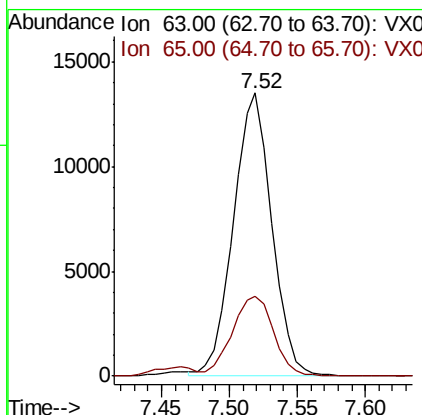
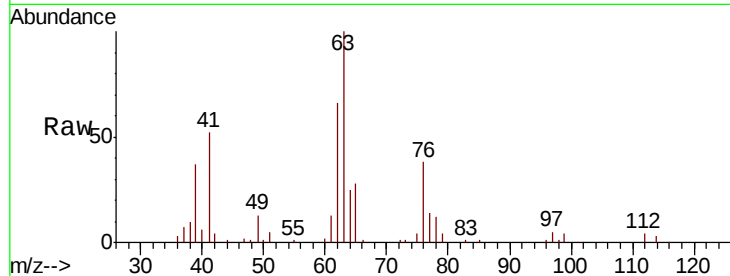




#39
 1,2-Dichloropropane
 Concen: 19.84 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

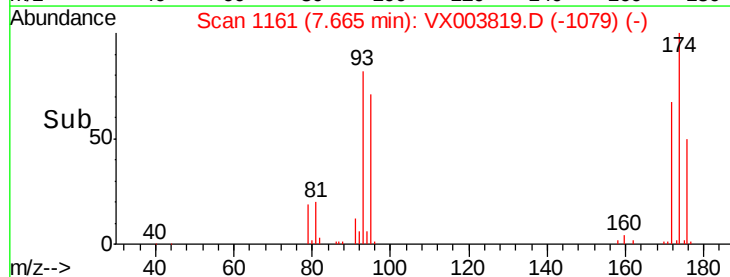
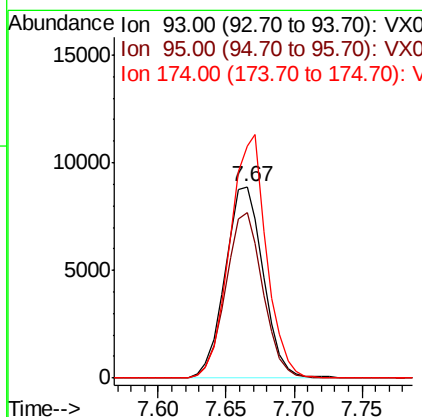
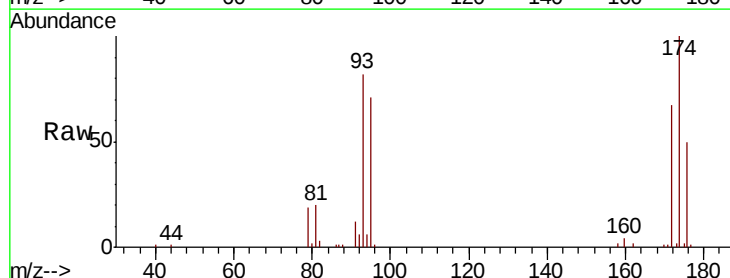
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

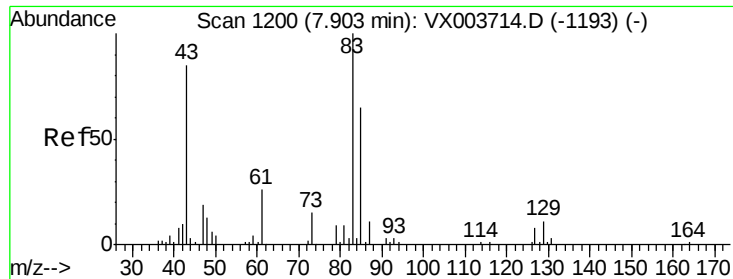
Tot Ion: 63 Resp: 26603
 Ion Ratio Lower Upper
 63 100
 65 28.4 23.3 34.9



#40
 Dibromomethane
 Concen: 19.98 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 93 Resp: 17338
 Ion Ratio Lower Upper
 93 100
 95 83.9 0.0 162.6
 174 121.5 0.0 229.4





#41

Bromodichloromethane

Concen: 19.28 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

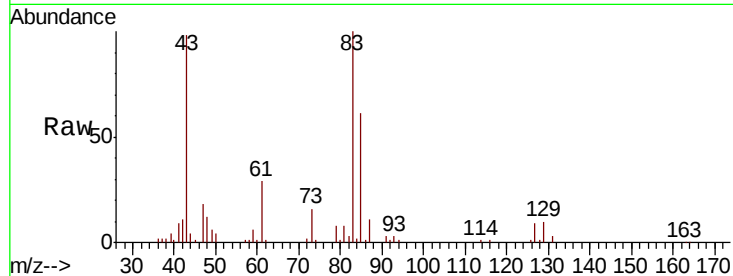
Tot Ion: 83 Resp: 31959

Ion Ratio Lower Upper

83 100

85 61.2 49.8 74.8

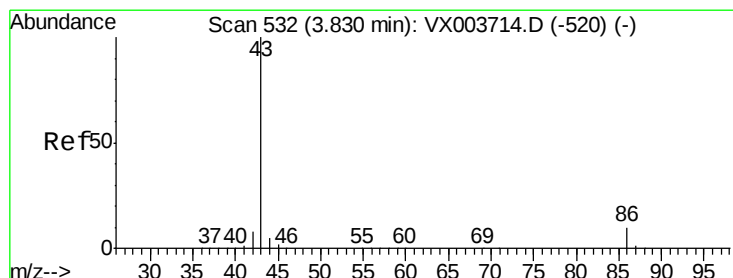
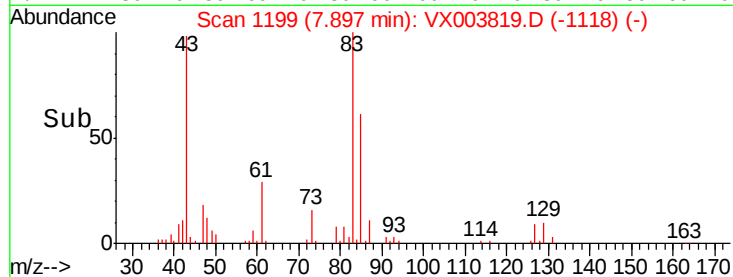
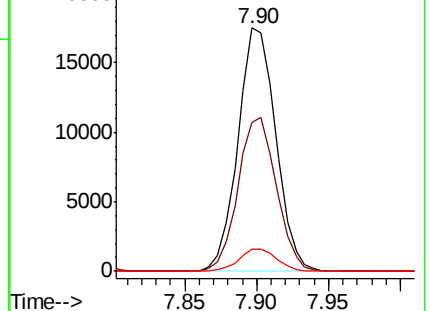
127 8.9 7.3 10.9



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: 84.01 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX003819.D

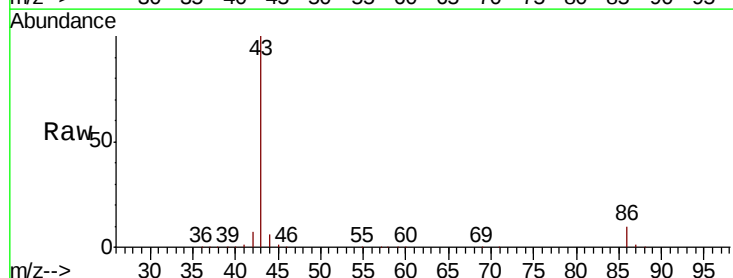
Acq: 02 Aug 2018 12:03

Tgt Ion: 43 Resp: 340393

Ion Ratio Lower Upper

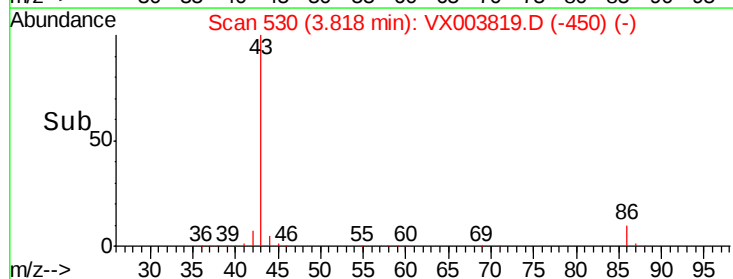
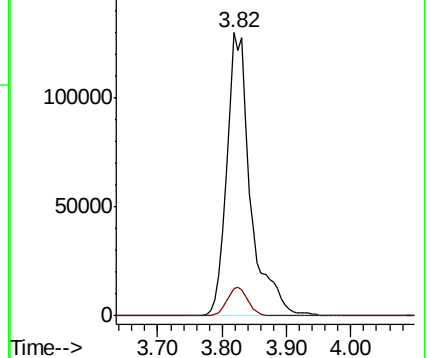
43 100

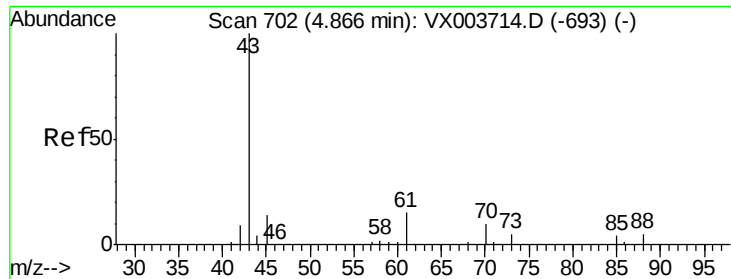
86 8.9 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

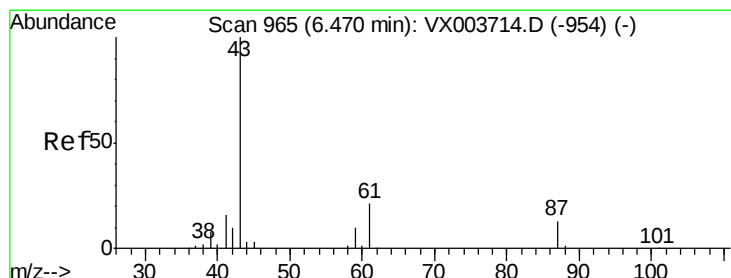
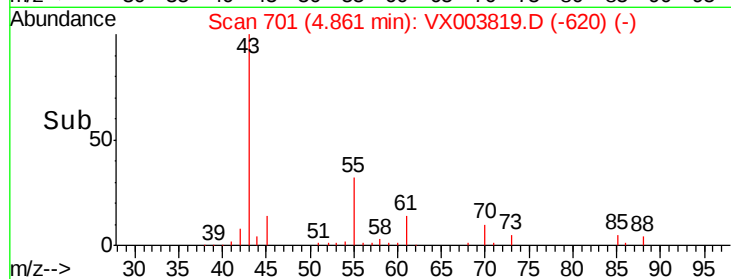
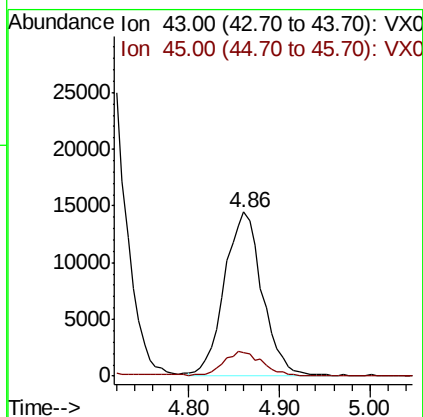
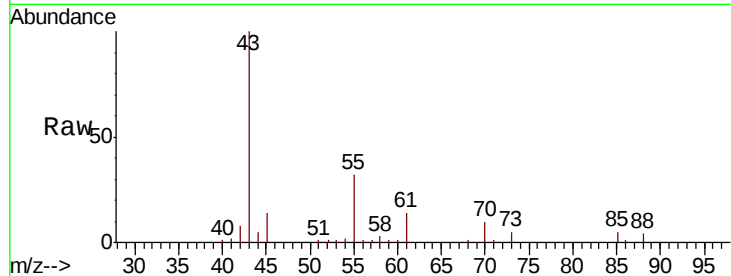




#43
Ethyl Acetate
Concen: 21.42 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

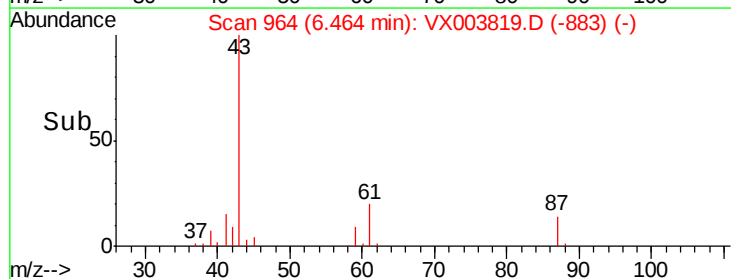
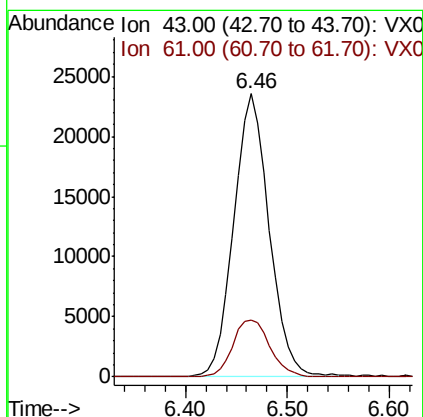
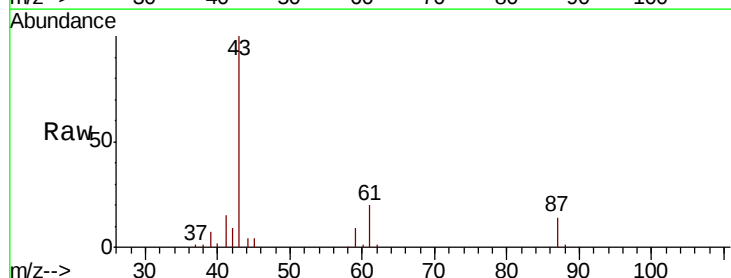
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

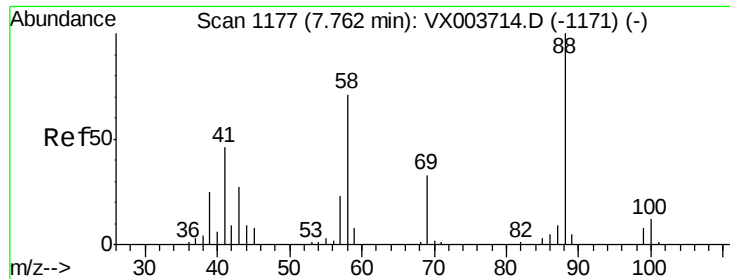
Tot Ion: 43 Resp: 42199
Ion Ratio Lower Upper
43 100
45 15.5 11.0 16.4



#44
Isopropyl Acetate
Concen: 18.75 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 43 Resp: 56653
Ion Ratio Lower Upper
43 100
61 21.1 14.5 21.7

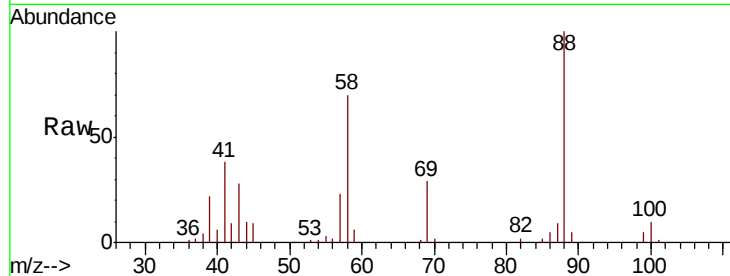




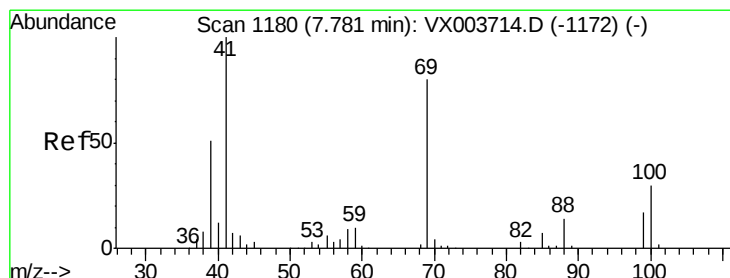
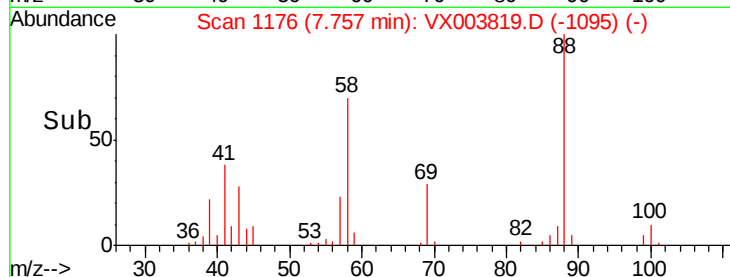
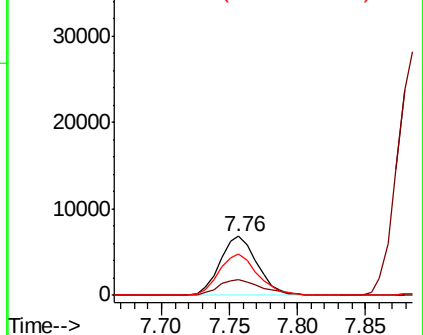
#45
1,4-Dioxane
Concen: 385.93 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 88 Resp: 12949
Ion Ratio Lower Upper
88 100
43 31.7 43.2 64.8#
58 72.7 60.2 90.2

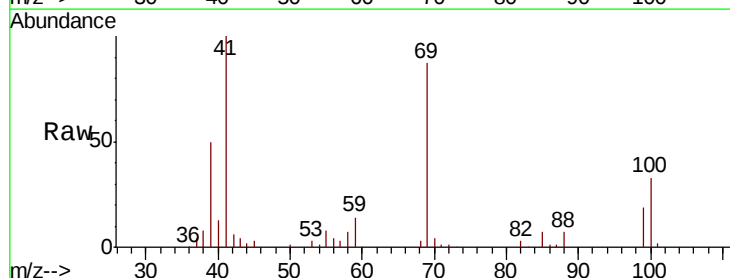


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

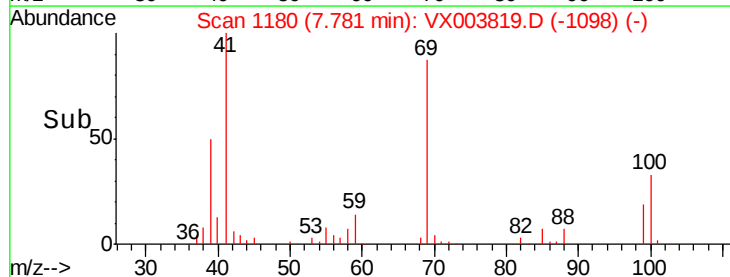
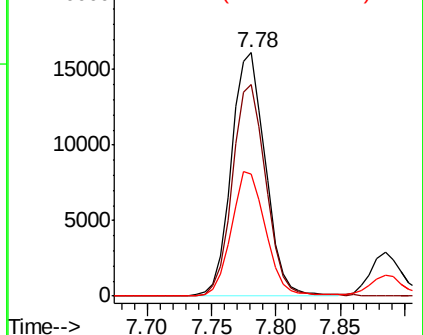


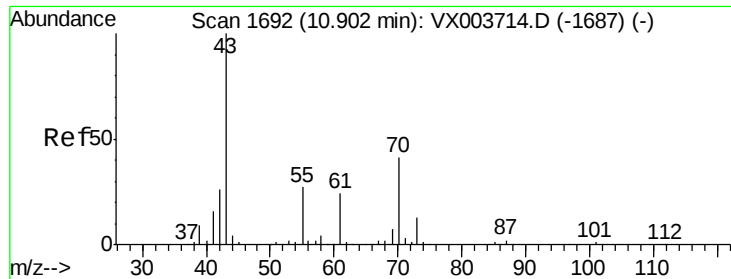
#46
Methyl methacrylate
Concen: 19.06 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 41 Resp: 29706
Ion Ratio Lower Upper
41 100
69 86.7 37.0 110.9
39 50.3 29.6 88.9



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





#47

n-amvl Acetate

Concen: 17.57 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

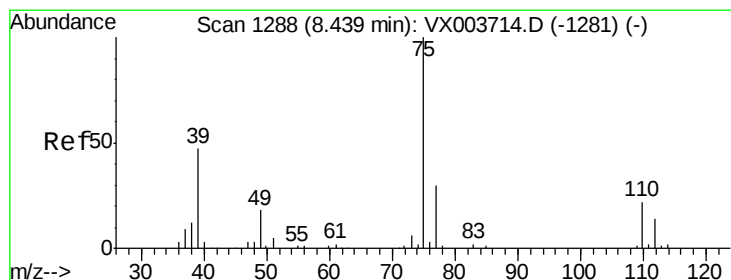
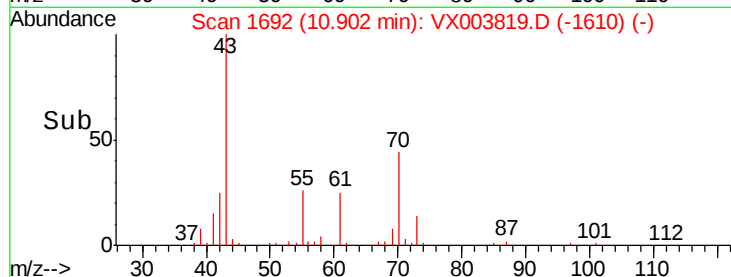
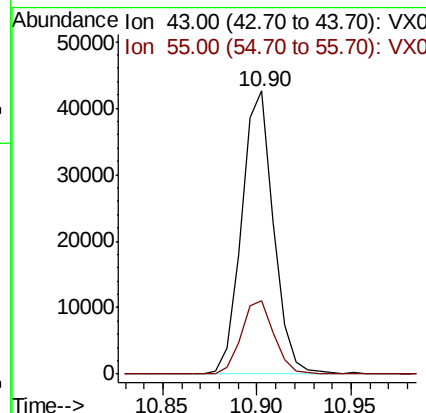
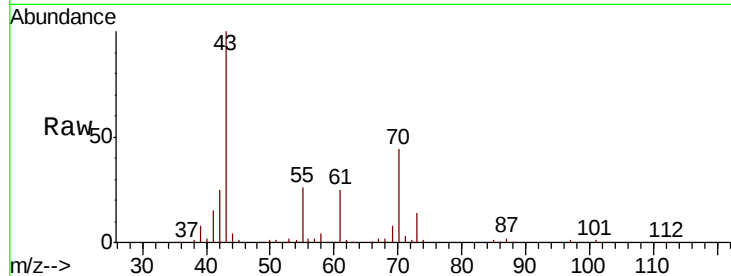
VSTDCCC020

Tot Ion: 43 Resp: 50117

Ion Ratio Lower Upper

43 100

55 26.7 0.1 0.1#



#48

t-1,3-Dichloropropene

Concen: 19.90 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003819.D

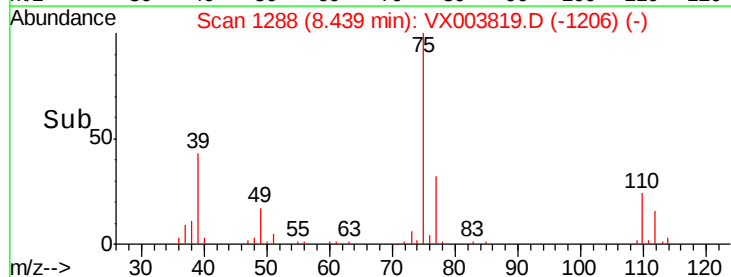
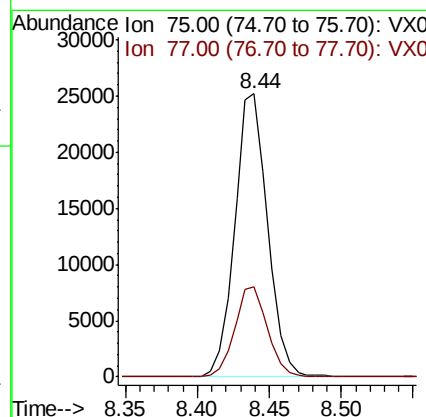
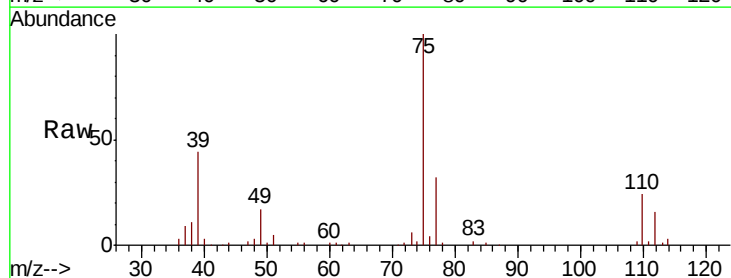
Acq: 02 Aug 2018 12:03

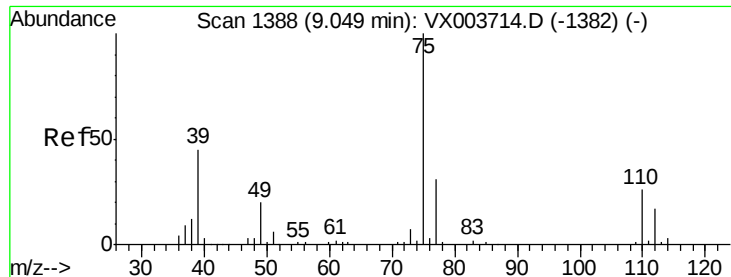
Tgt Ion: 75 Resp: 40022

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



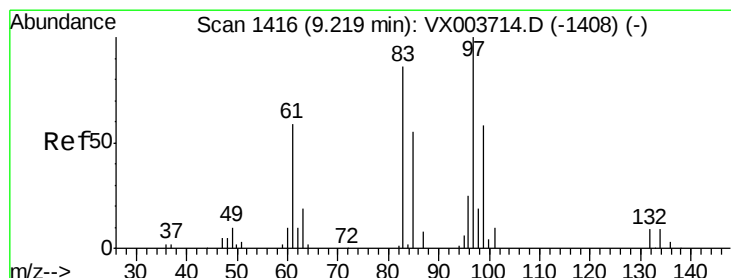
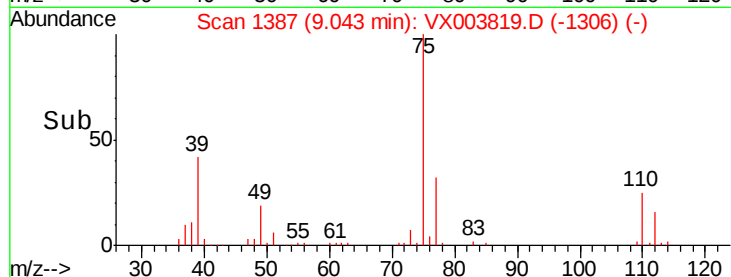
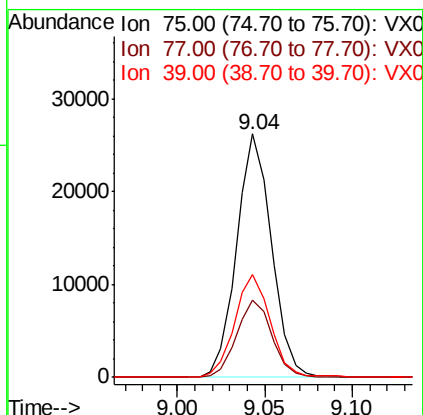
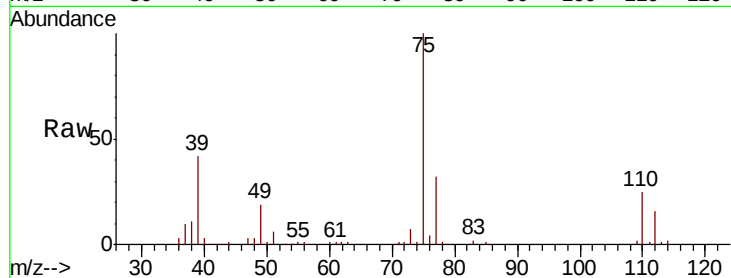


#49

cis-1,3-Dichloropropene
 Concen: 19.26 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

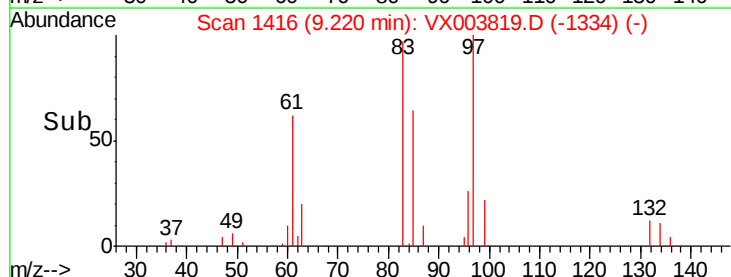
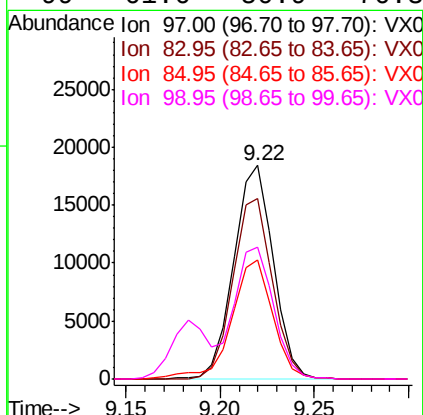
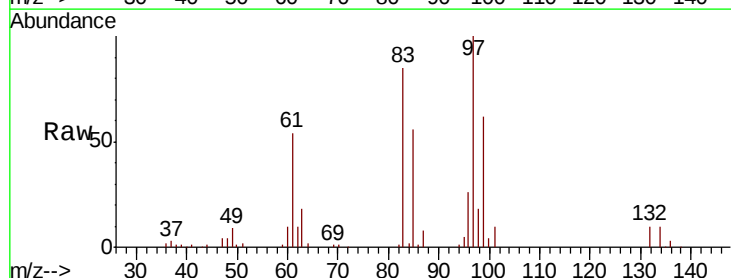
Tot Ion: 75 Resp: 36356
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2
 39 42.5 42.3 63.5

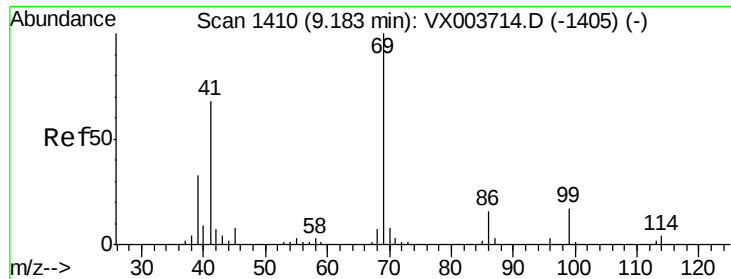


#50

1,1,2-Trichloroethane
 Concen: 19.31 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 97 Resp: 26590
 Ion Ratio Lower Upper
 97 100
 83 84.9 70.8 106.2
 85 55.7 43.5 65.3
 99 61.6 50.9 76.3





#51

Ethyl methacrylate

Concen: 17.99 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

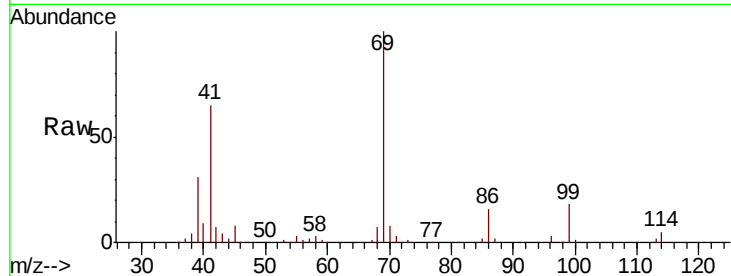
Tot Ion: 69 Resp: 37318

Ion Ratio Lower Upper

69 100

41 64.9 39.1 117.3

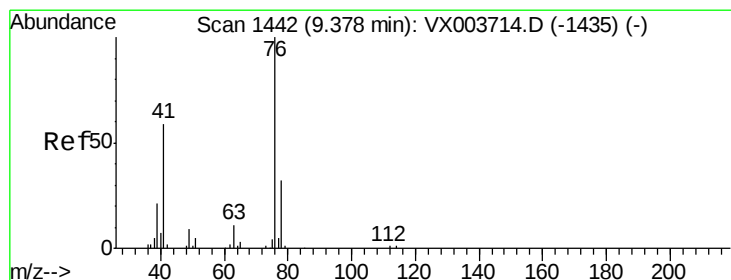
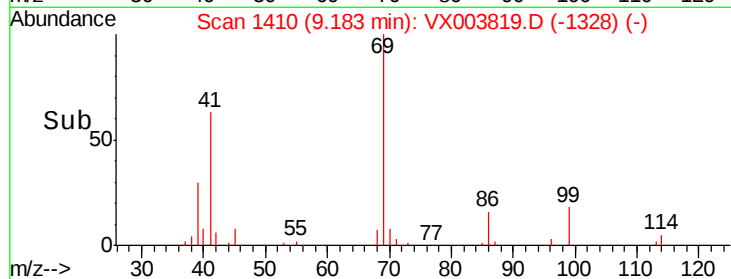
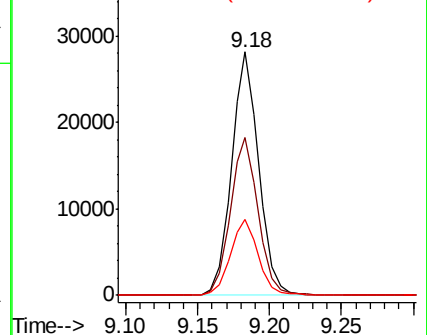
39 31.1 21.7 65.1



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.18 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003819.D

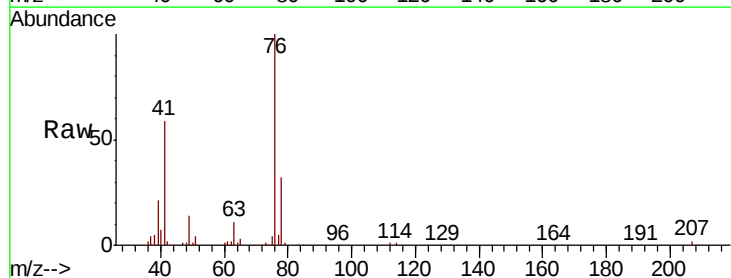
Acq: 02 Aug 2018 12:03

Tgt Ion: 76 Resp: 43967

Ion Ratio Lower Upper

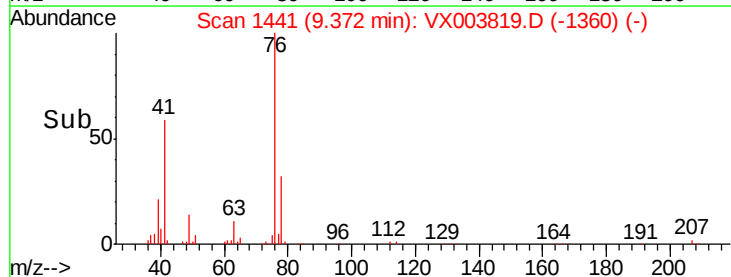
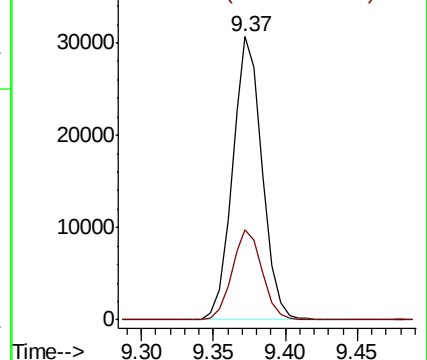
76 100

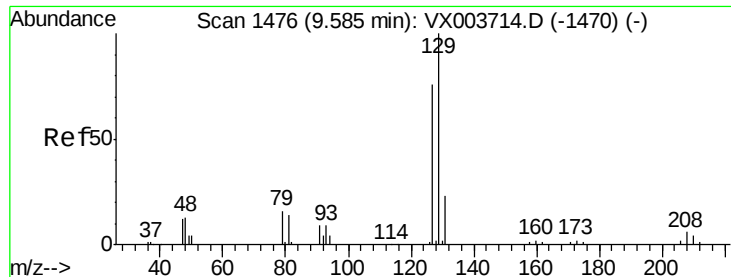
78 32.3 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.45 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

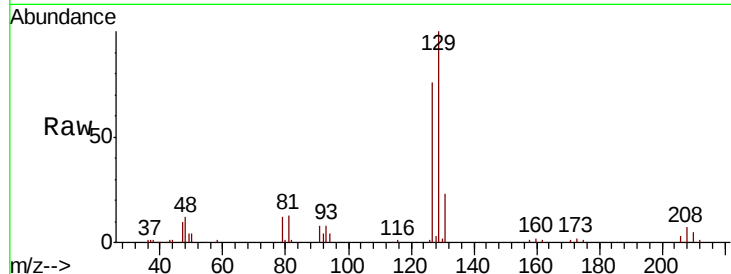
VSTDCCC020

Tot Ion:129 Resp: 26320

Ion Ratio Lower Upper

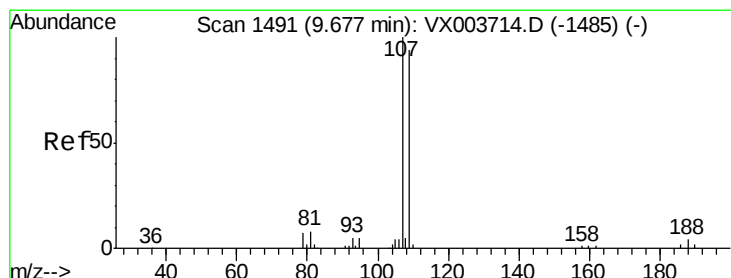
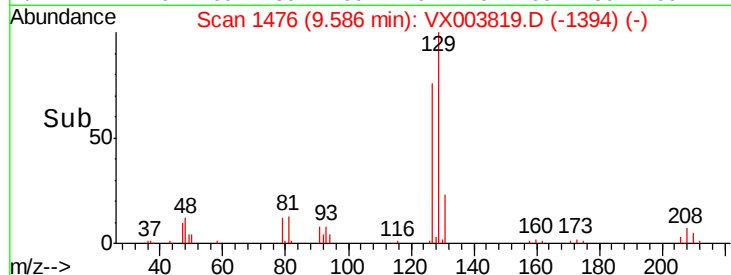
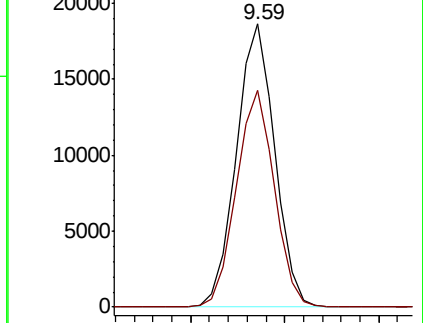
129 100

127 75.7 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.26 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003819.D

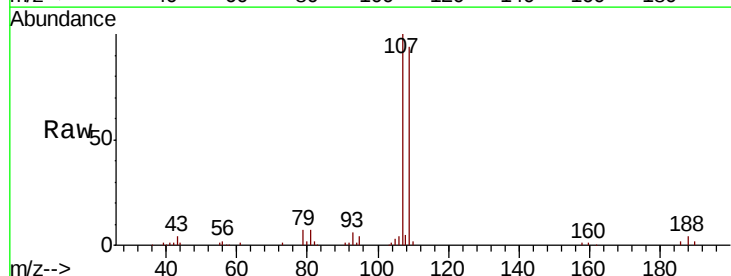
Acq: 02 Aug 2018 12:03

Tgt Ion:107 Resp: 27747

Ion Ratio Lower Upper

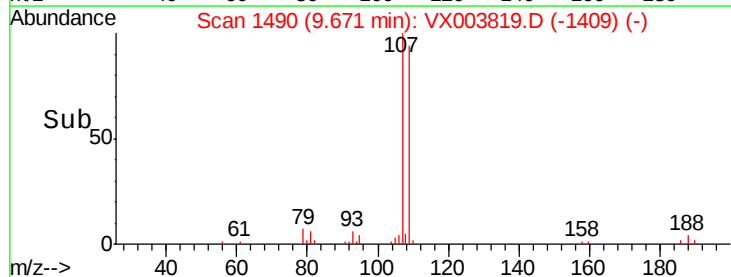
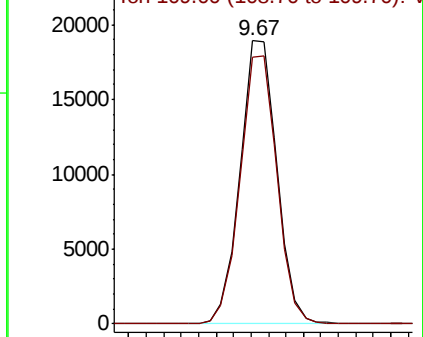
107 100

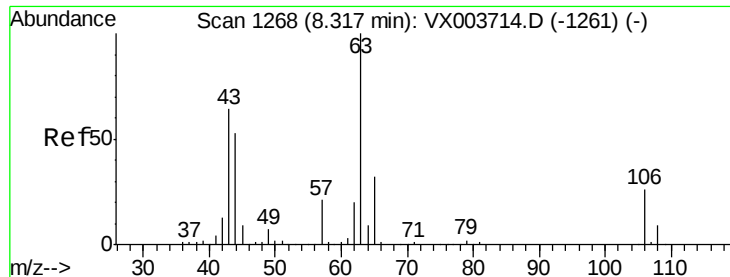
109 95.0 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

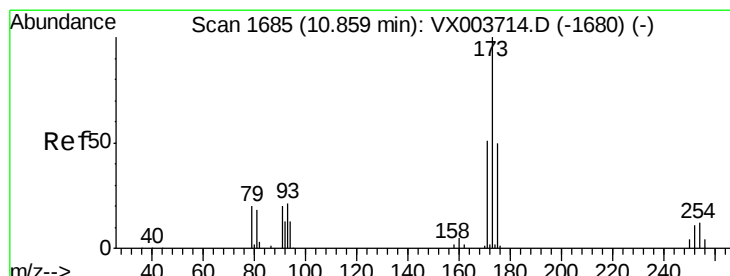
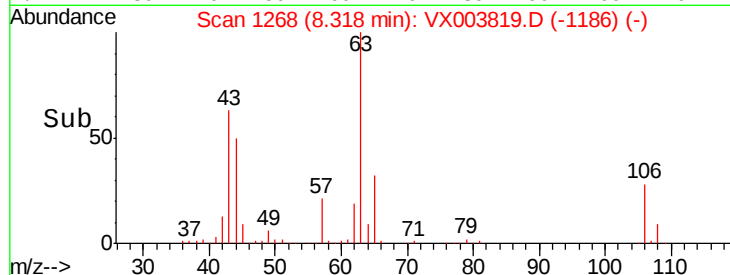
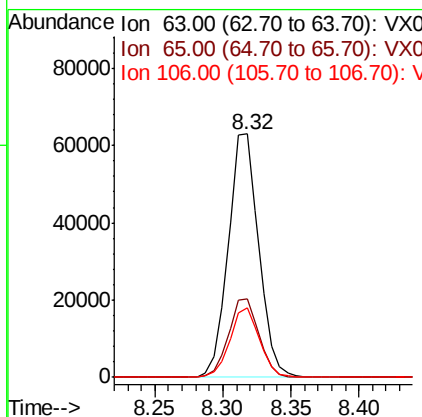
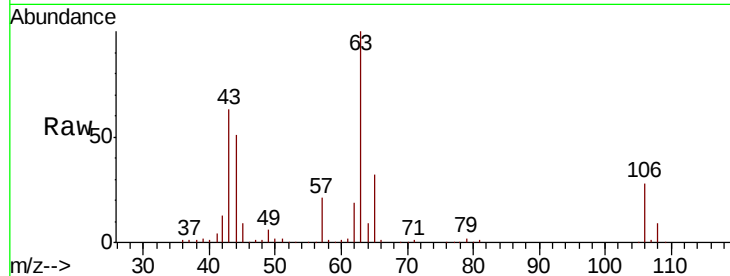




#55
2-Chloroethyl vinyl ether
Concen: 92.05 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

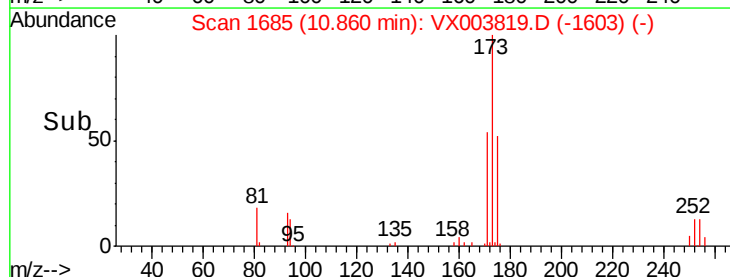
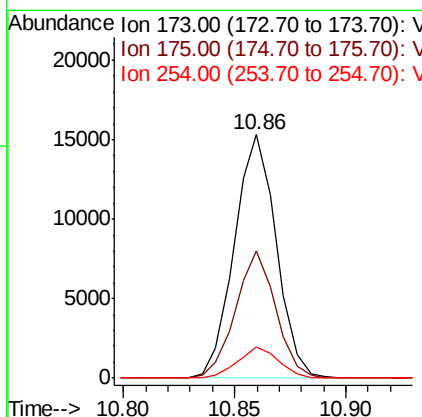
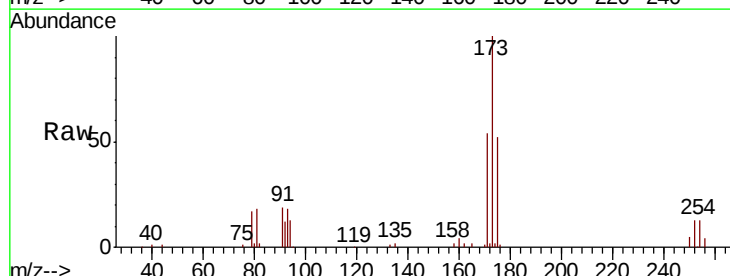
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

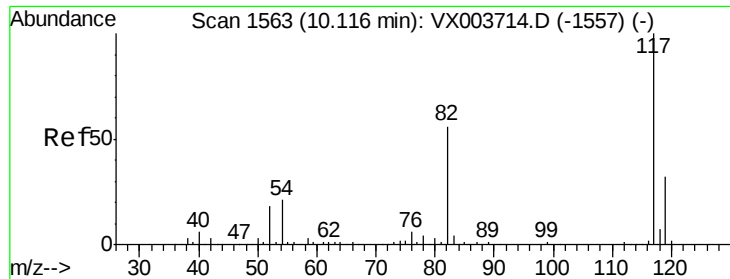
Tot Ion: 63 Resp: 98461
Ion Ratio Lower Upper
63 100
65 32.2 25.6 38.4
106 27.8 21.6 32.4



#56
Bromoform
Concen: 19.12 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 173 Resp: 20069
Ion Ratio Lower Upper
173 100
175 50.1 39.0 58.4
254 12.3 9.6 14.4

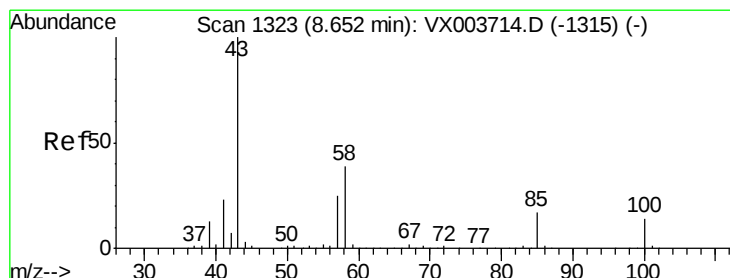
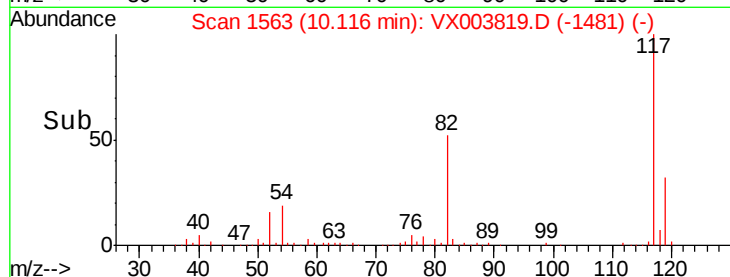
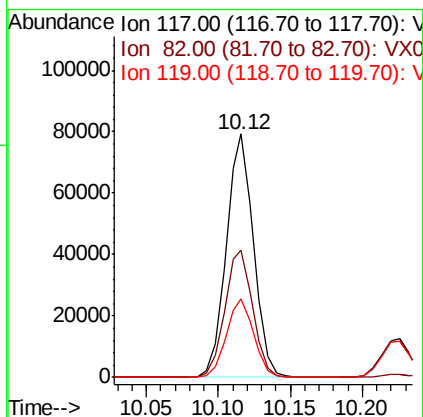
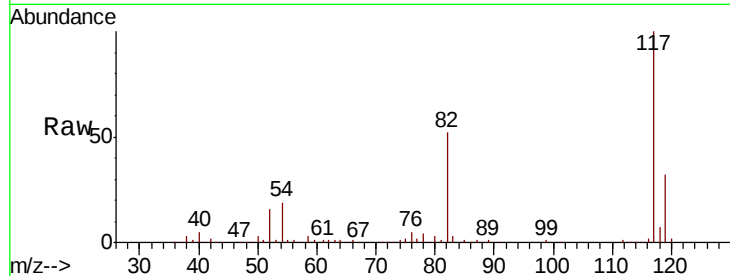




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

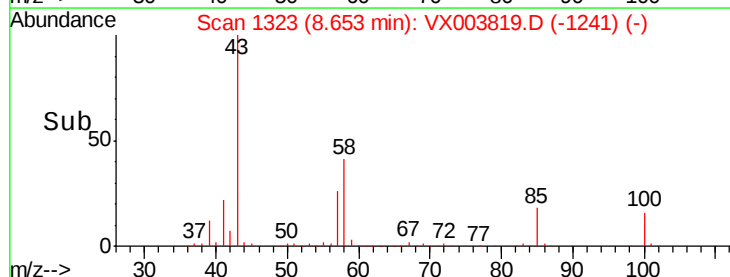
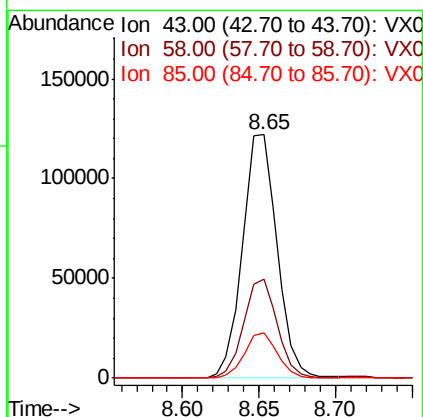
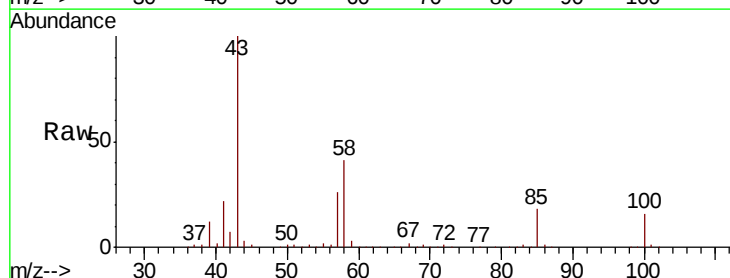
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

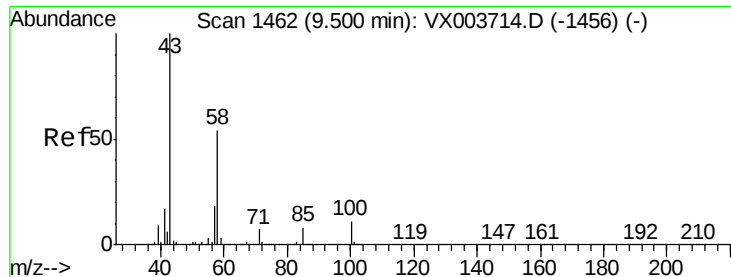
Tot Ion:117 Resp: 105040
Ion Ratio Lower Upper
117 100
82 53.6 44.3 66.5
119 32.2 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 96.85 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 43 Resp: 192090
Ion Ratio Lower Upper
43 100
58 39.6 28.2 42.4
85 18.0 12.4 18.6

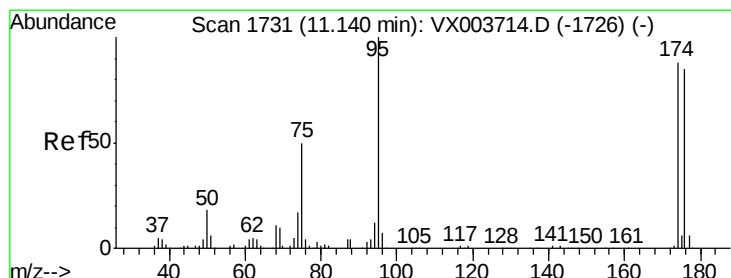
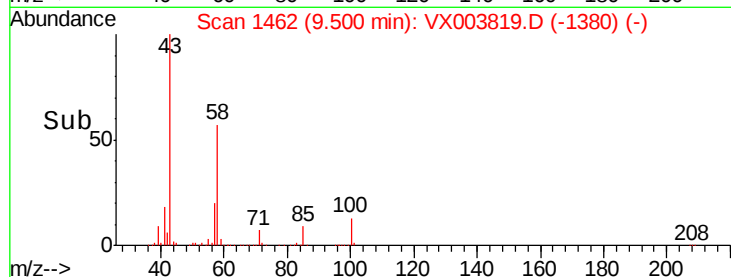
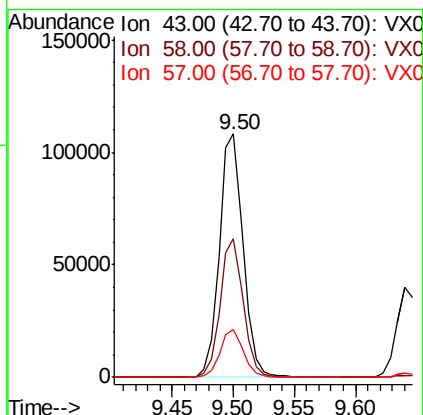
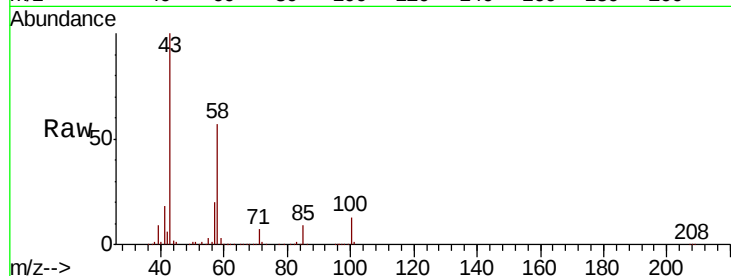




#59
2-Hexanone
Concen: 92.51 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

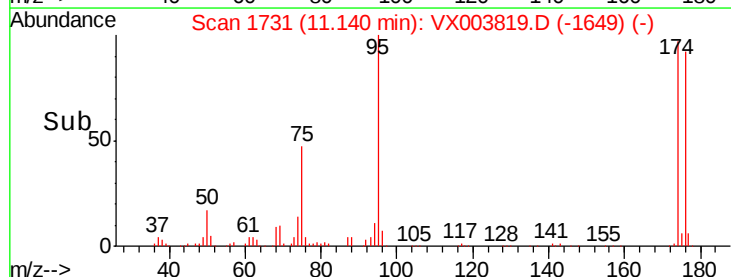
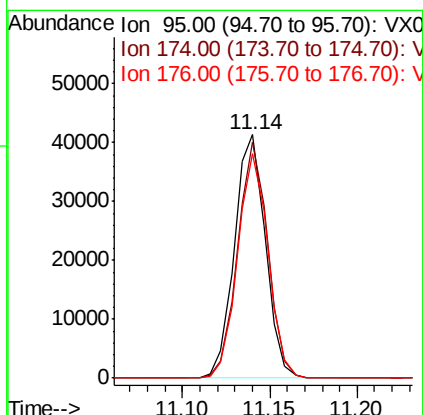
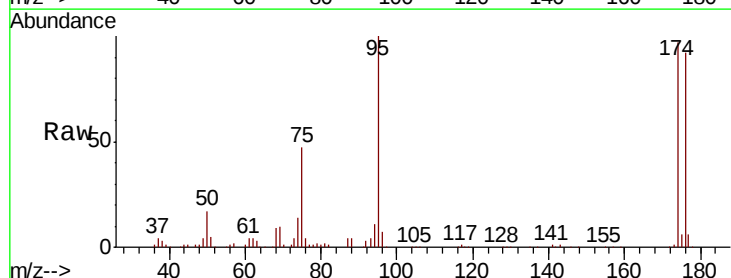
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

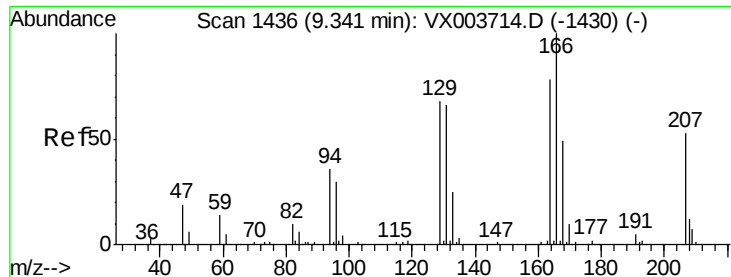
Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	39.6	59.4
57	19.3	14.1	21.1



#60
4-Bromofluorobenzene
Concen: 30.14 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.0	71.8	107.6
176	90.7	70.1	105.1

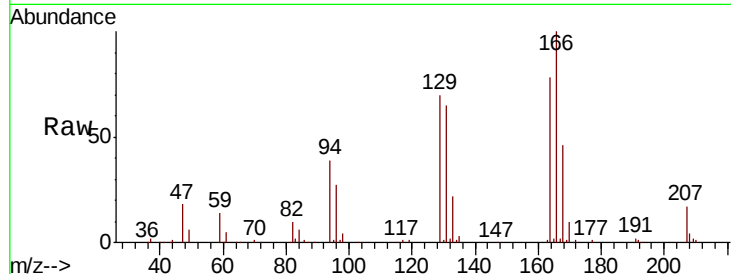




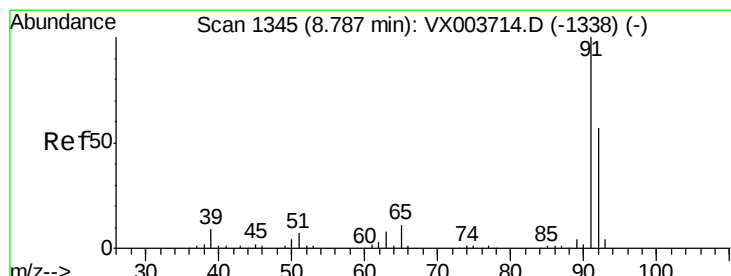
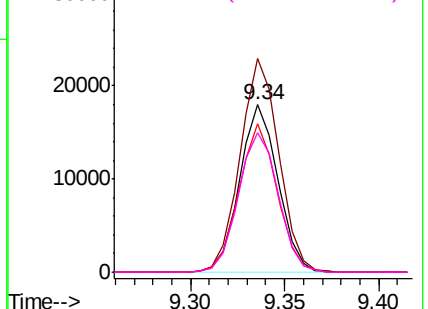
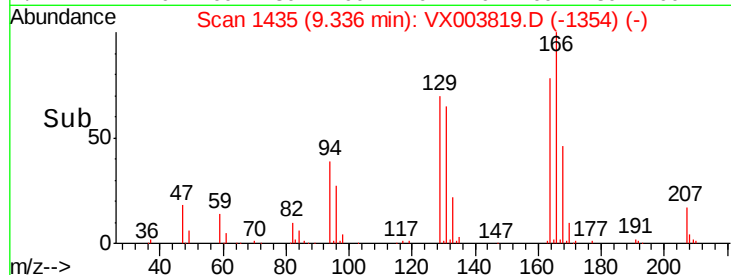
#61
Tetrachloroethene
Concen: 20.74 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:164 Resp: 25350
Ion Ratio Lower Upper
164 100
166 127.6 102.4 153.6
129 88.8 70.1 105.1
131 83.6 69.1 103.7

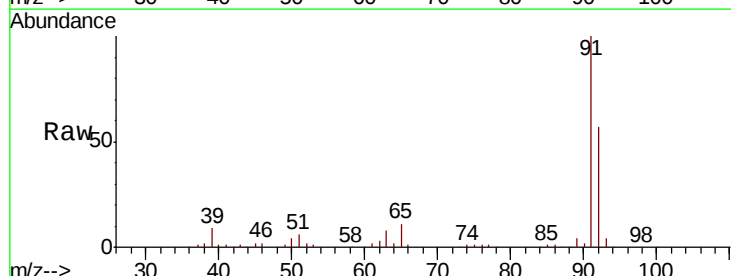


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

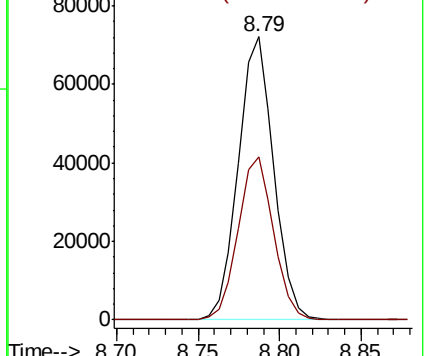
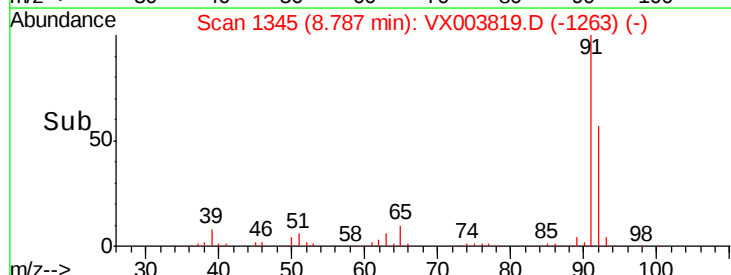


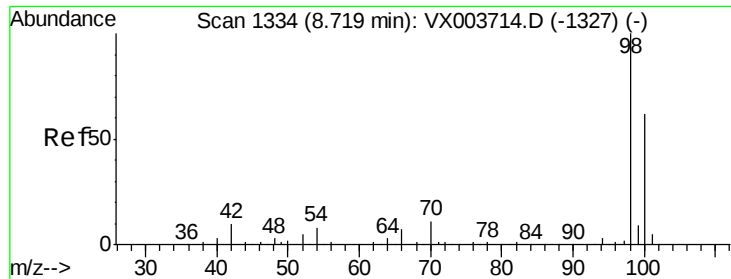
#62
Toluene
Concen: 20.02 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 91 Resp: 109150
Ion Ratio Lower Upper
91 100
92 57.7 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.73 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

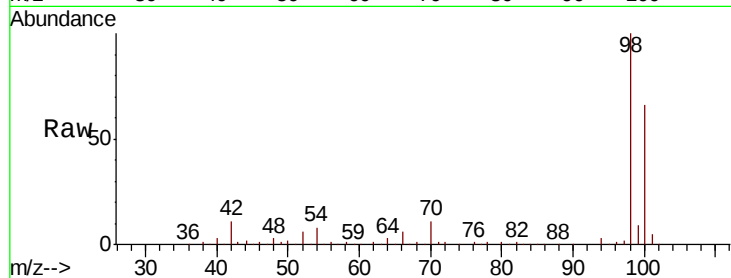
VSTDCCC020

Tot Ion: 98 Resp: 140674

Ion Ratio Lower Upper

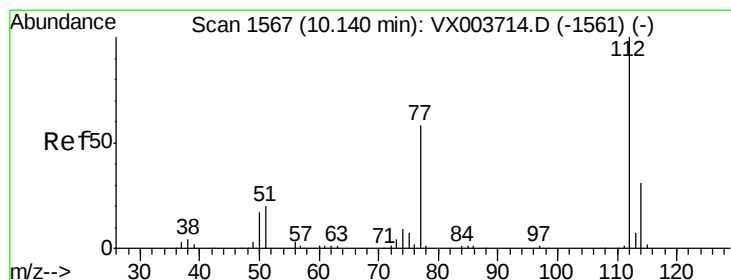
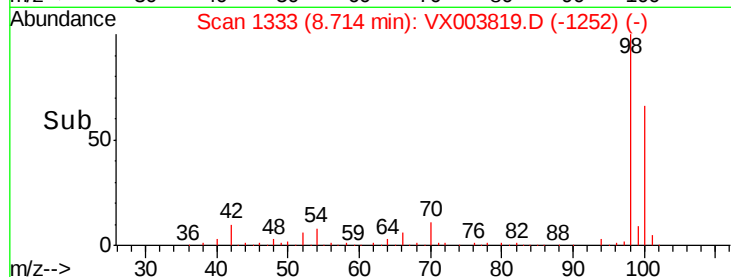
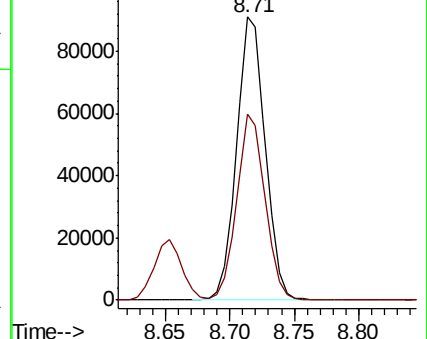
98 100

100 64.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 20.22 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003819.D

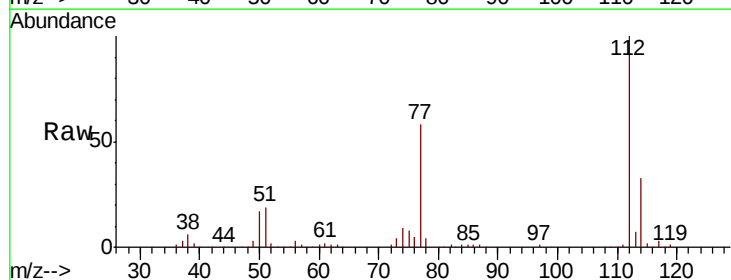
Acq: 02 Aug 2018 12:03

Tgt Ion: 112 Resp: 71230

Ion Ratio Lower Upper

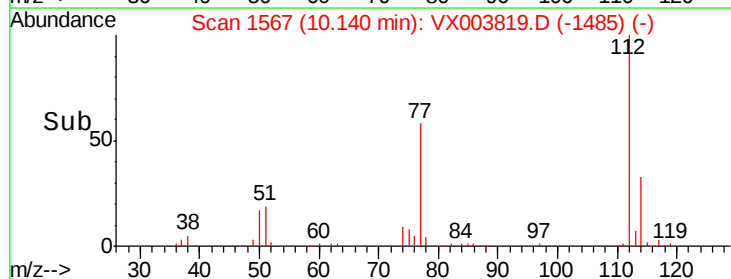
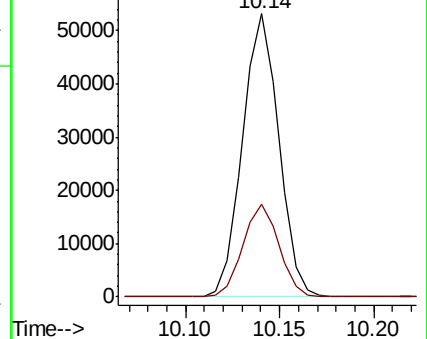
112 100

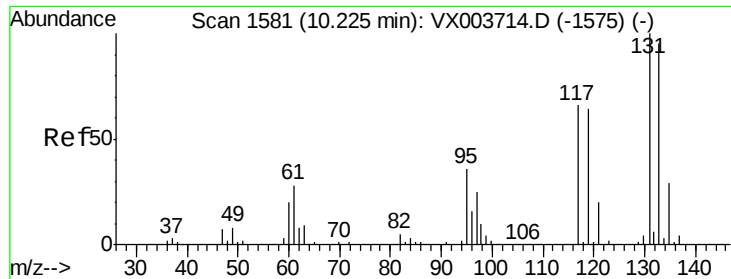
114 32.6 25.6 38.4



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: 20.45 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

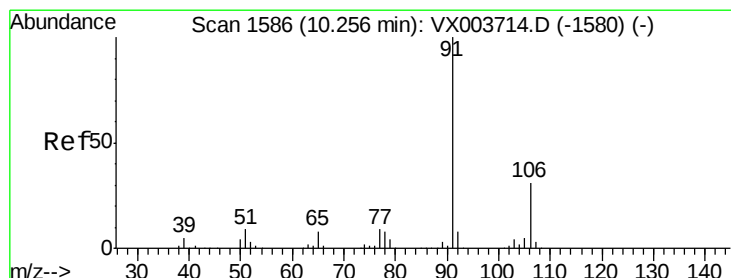
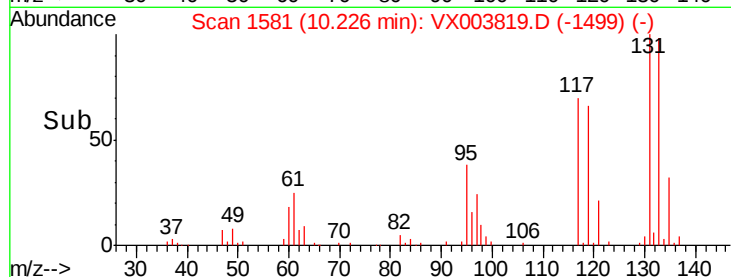
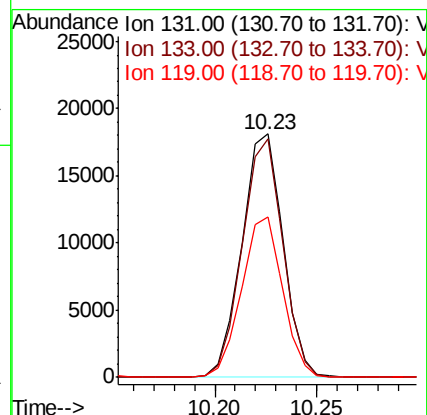
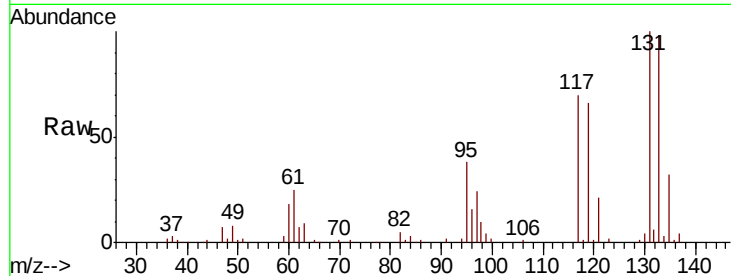
Tot Ion:131 Resp: 25499

Ion Ratio Lower Upper

131 100

133 96.2 0.0 191.2

119 65.4 0.0 125.4



#66

Ethyl Benzene

Concen: 19.61 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX003819.D

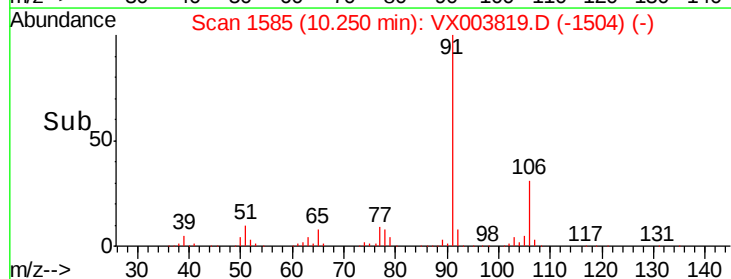
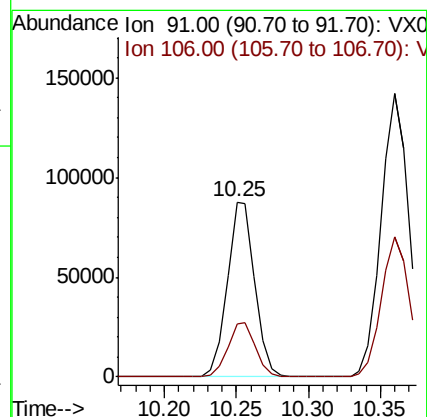
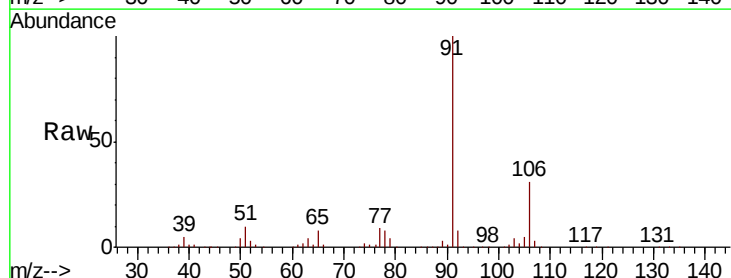
Acq: 02 Aug 2018 12:03

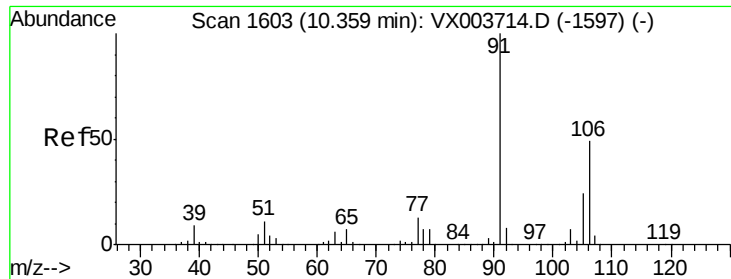
Tgt Ion: 91 Resp: 117666

Ion Ratio Lower Upper

91 100

106 30.7 25.2 37.8

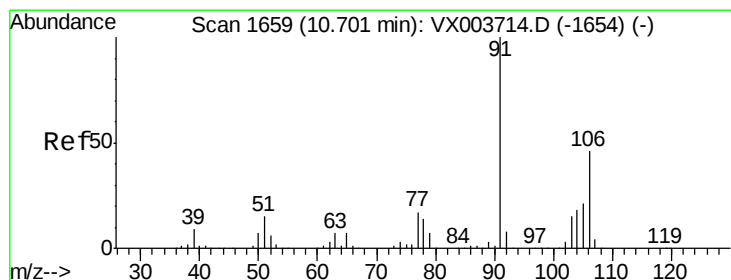
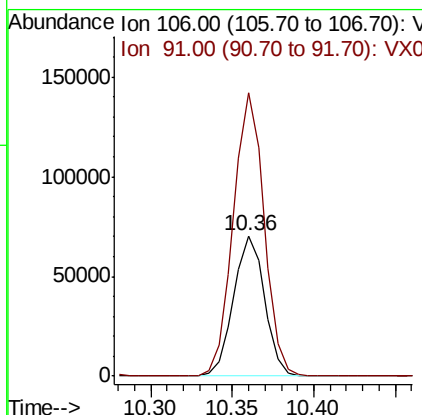
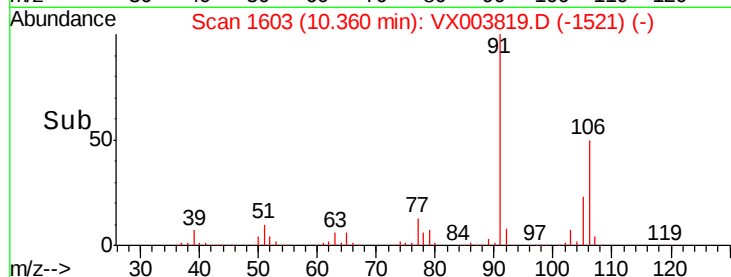
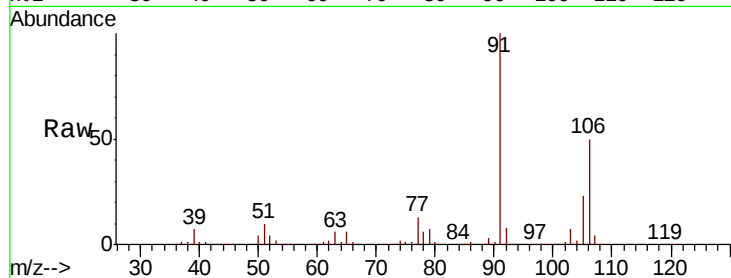




#67
m/p-Xylenes
Concen: 40.34 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

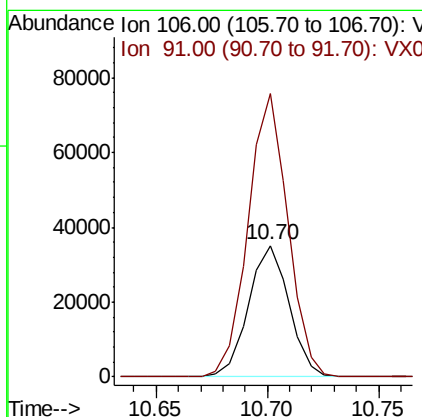
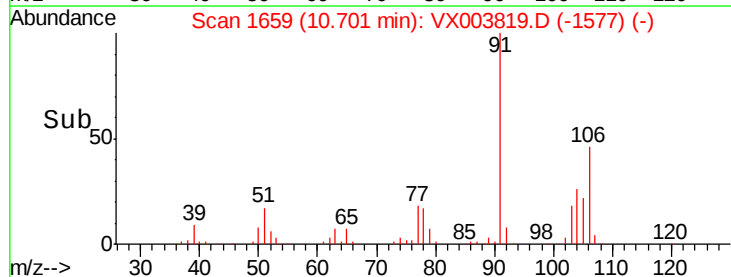
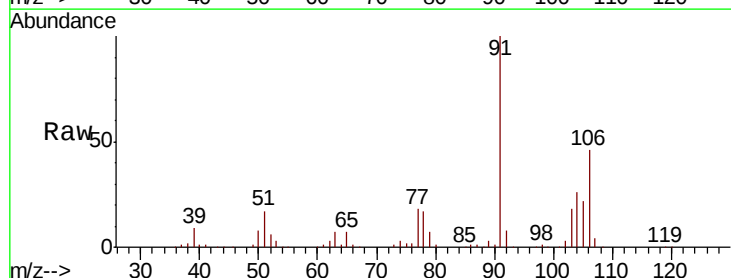
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

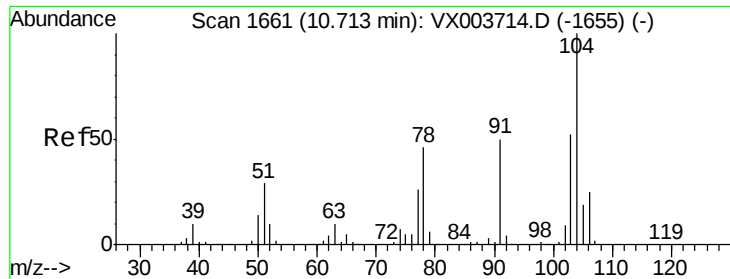
Tot Ion:106 Resp: 93217
Ion Ratio Lower Upper
106 100
91 200.5 164.1 246.1



#68
o-Xylene
Concen: 20.10 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion:106 Resp: 44438
Ion Ratio Lower Upper
106 100
91 212.5 109.1 327.3

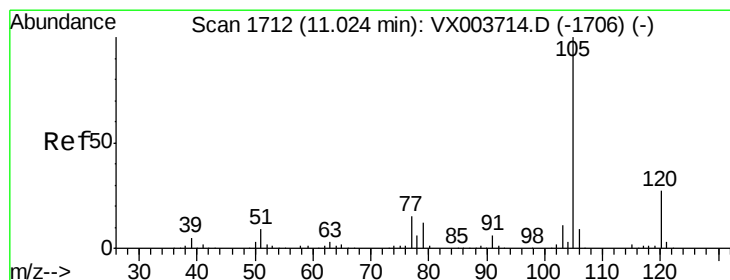
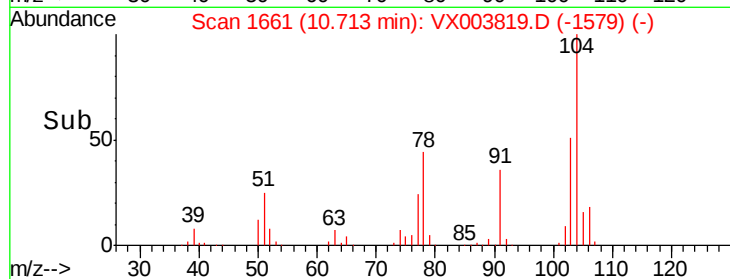
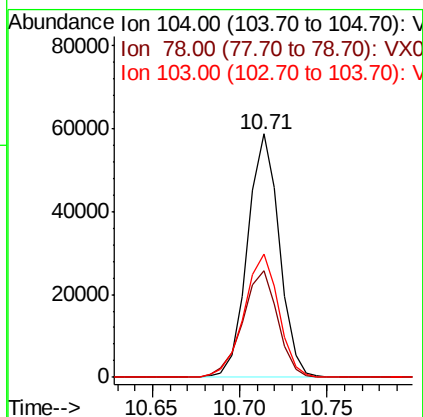
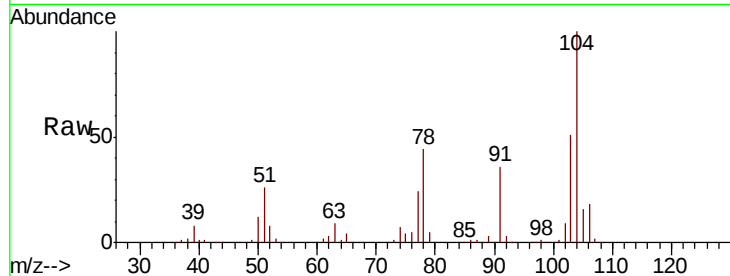




#69
Stvrene
Concen: 19.84 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

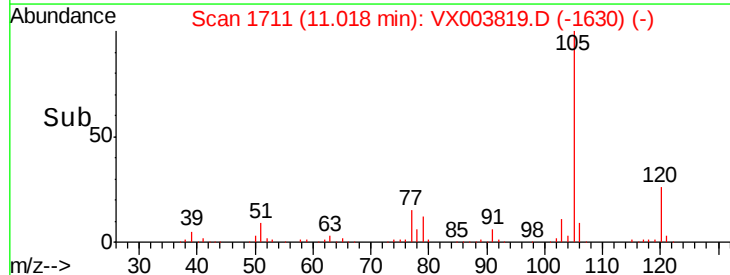
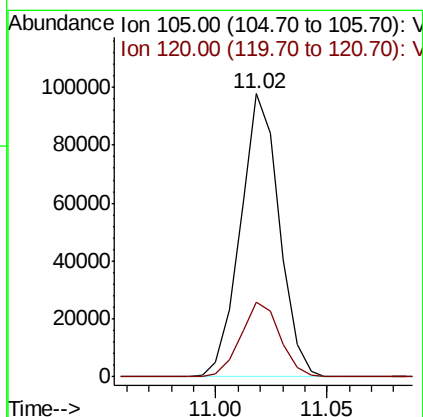
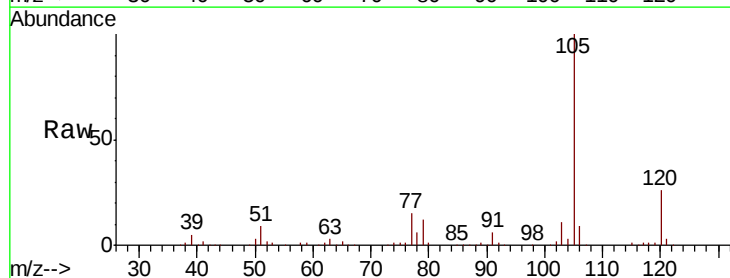
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

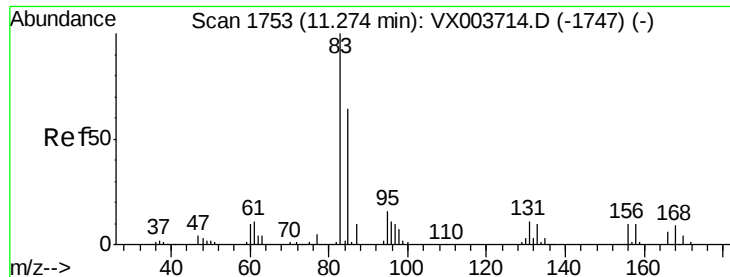
Tot Ion:104 Resp: 74267
Ion Ratio Lower Upper
104 100
78 48.4 41.8 62.8
103 55.4 44.9 67.3



#70
Isopropylbenzene
Concen: 19.57 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion:105 Resp: 119111
Ion Ratio Lower Upper
105 100
120 26.6 19.0 35.2

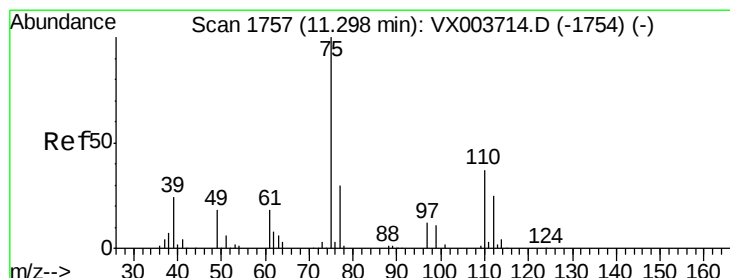
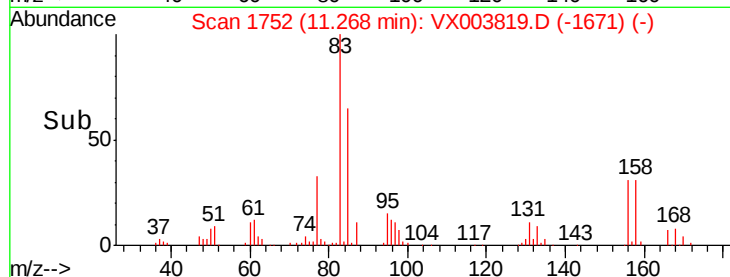
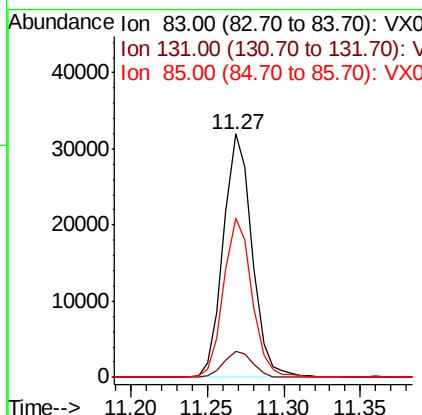
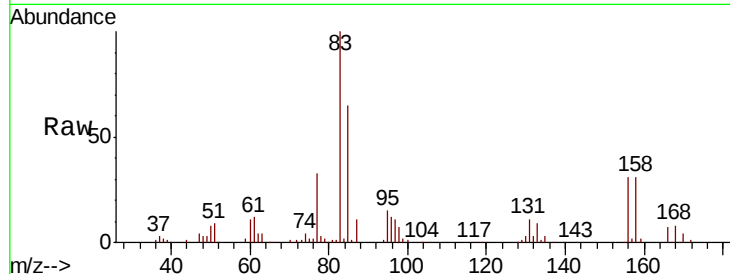




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.17 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

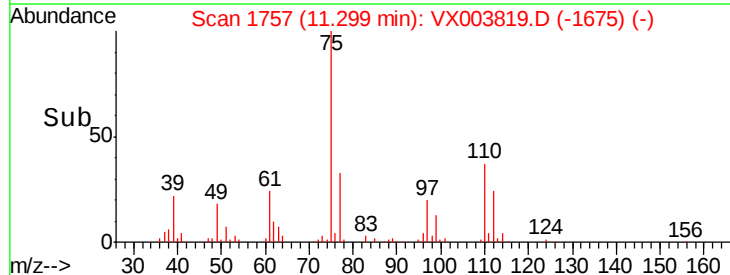
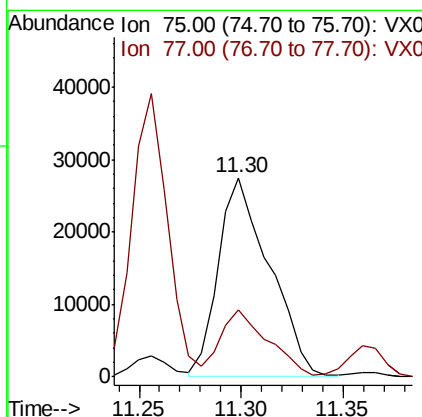
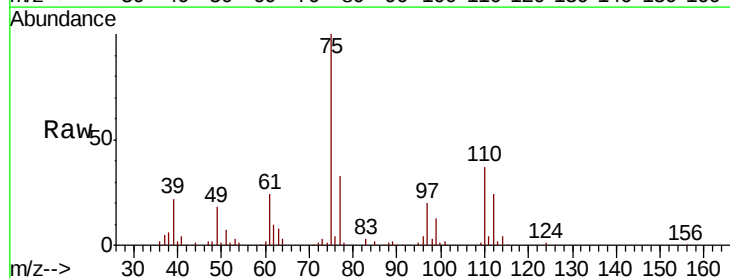
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

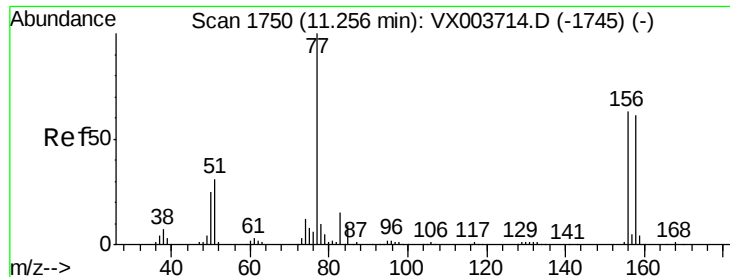
Tot Ion: 83 Resp: 41654
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.4 16.2
 85 64.8 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 26.55 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 75 Resp: 47984
 Ion Ratio Lower Upper
 75 100
 77 31.3 0.0 71.8





#73

Bromobenzene

Concen: 20.36 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

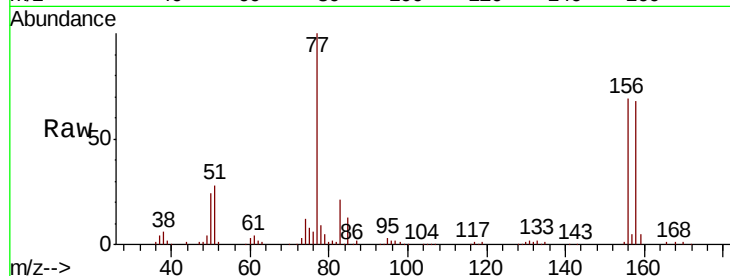
Tot Ion:156 Resp: 33389

Ion Ratio Lower Upper

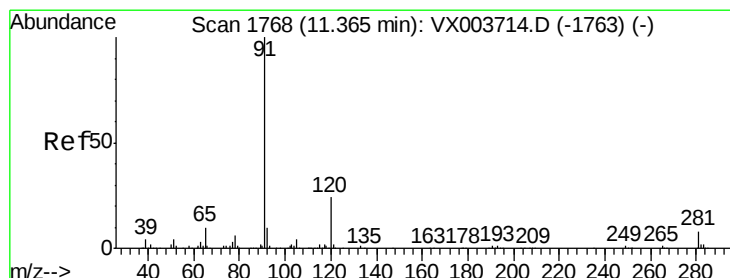
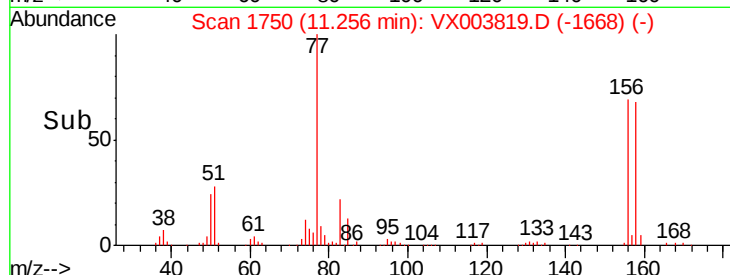
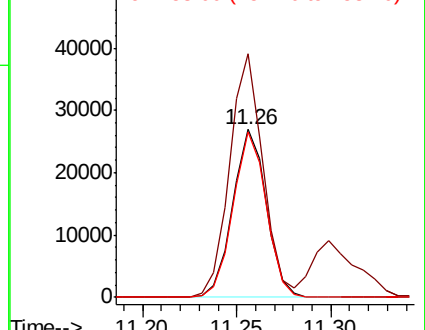
156 100

77 143.4 0.0 301.0

158 97.1 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.56 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003819.D

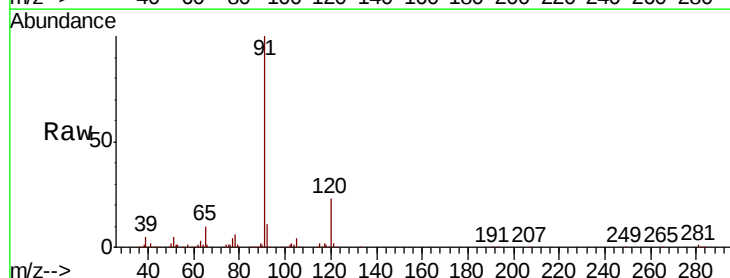
Acq: 02 Aug 2018 12:03

Tgt Ion: 91 Resp: 140227

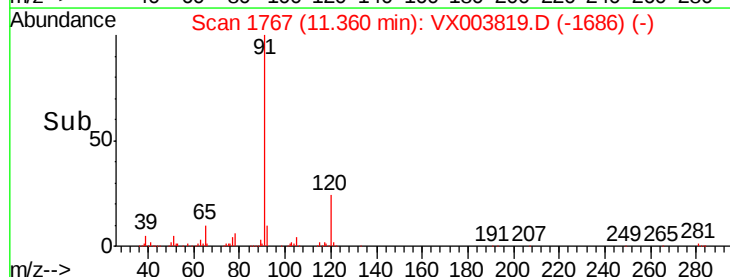
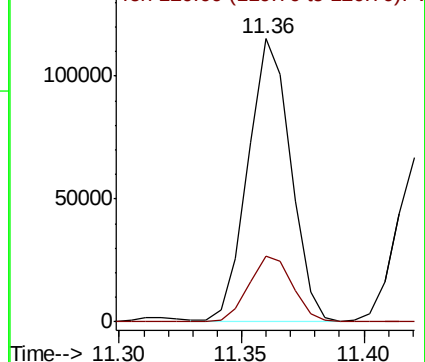
Ion Ratio Lower Upper

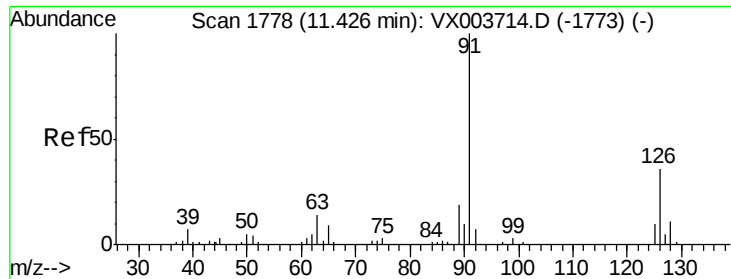
91 100

120 23.7 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.83 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

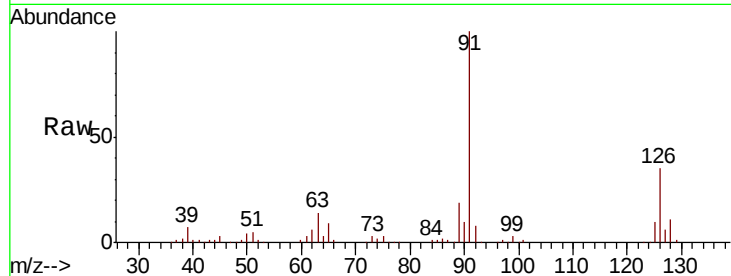
VSTDCCC020

Tot Ion: 91 Resp: 83806

Ion Ratio Lower Upper

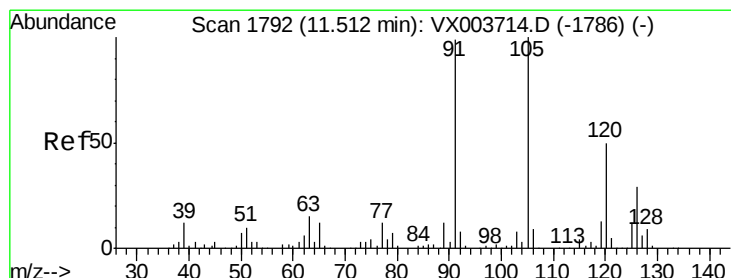
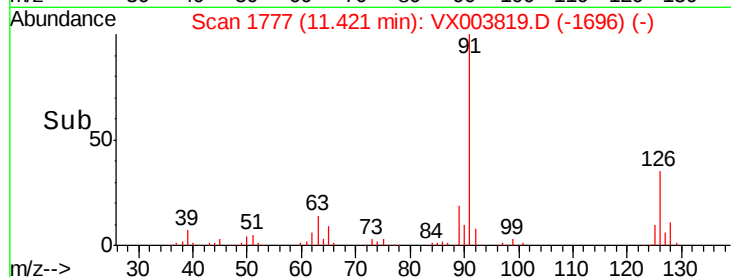
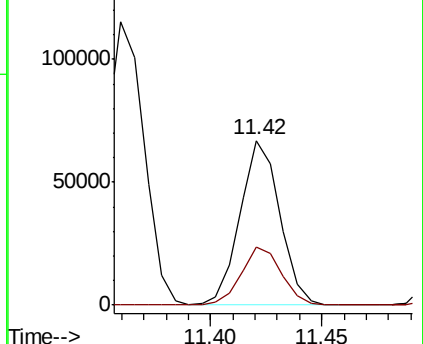
91 100

126 35.3 0.0 69.4



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: 19.71 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003819.D

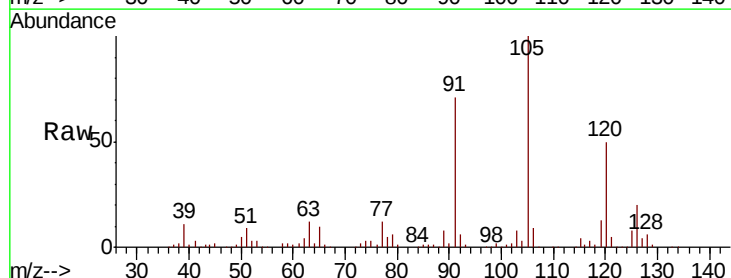
Acq: 02 Aug 2018 12:03

Tgt Ion:105 Resp: 101798

Ion Ratio Lower Upper

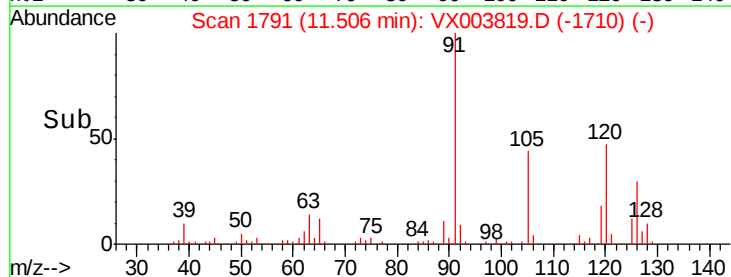
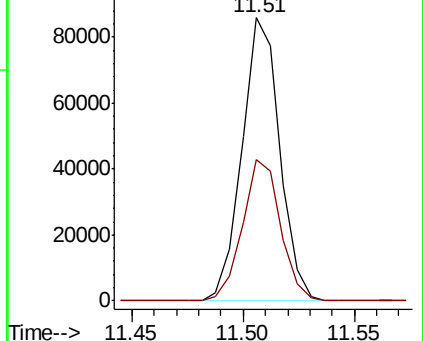
105 100

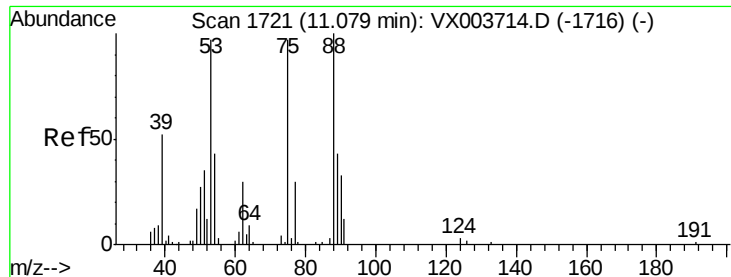
120 50.0 0.0 96.8



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: 19.48 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

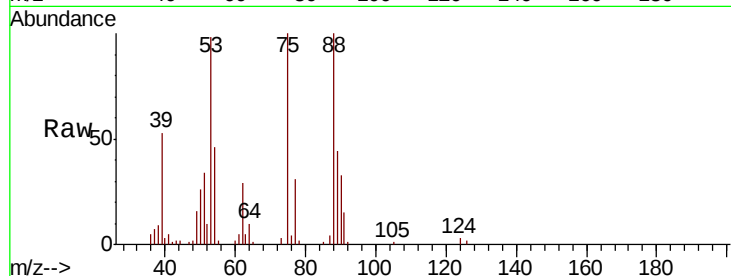
Tot Ion: 75 Resp: 11995

Ion Ratio Lower Upper

75 100

53 98.9 48.3 144.9

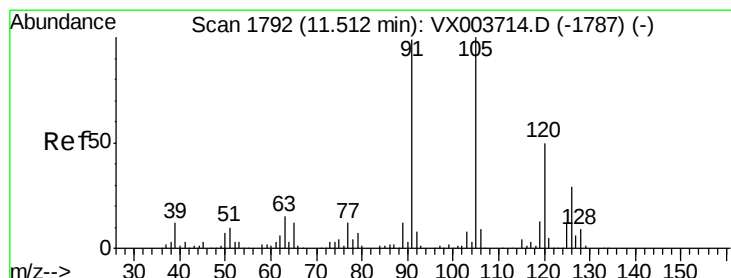
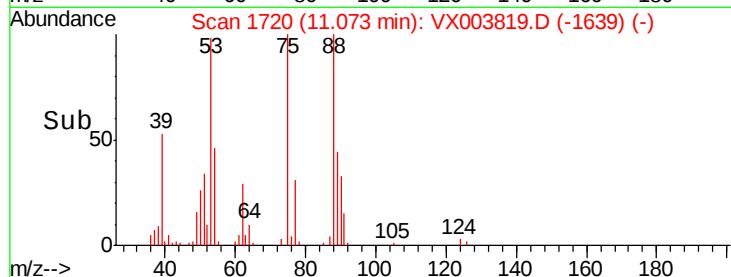
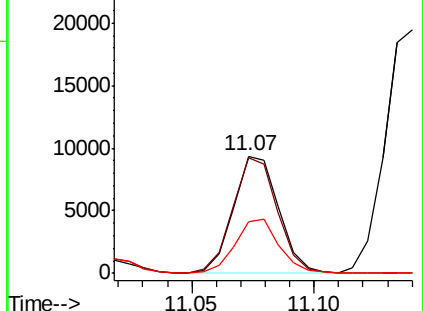
89 44.3 21.8 65.4



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: 19.76 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003819.D

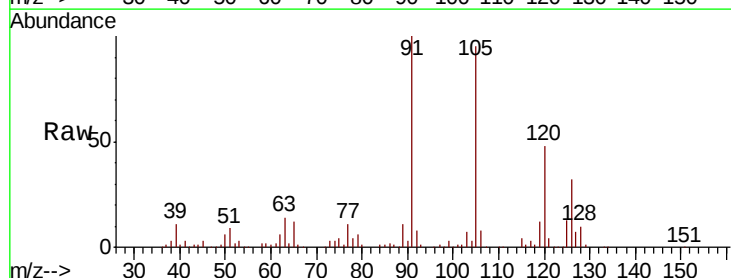
Acq: 02 Aug 2018 12:03

Tgt Ion: 91 Resp: 97700

Ion Ratio Lower Upper

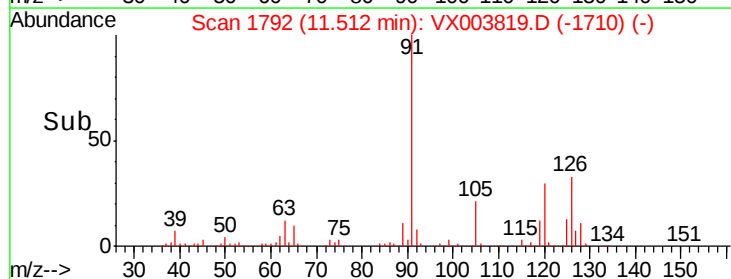
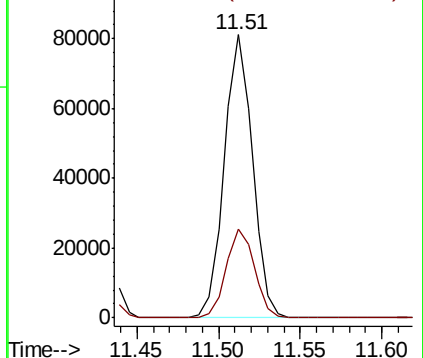
91 100

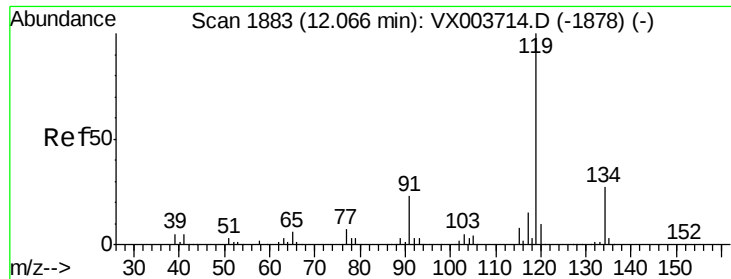
126 31.4 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.99 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

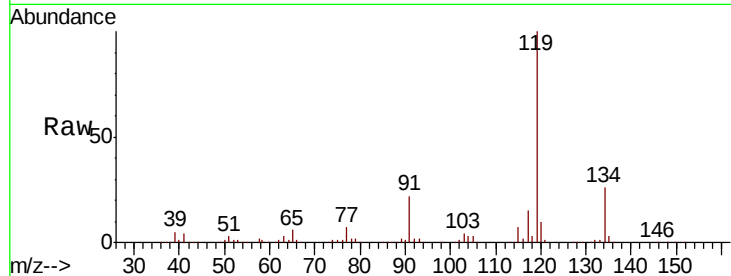
Tot Ion:119 Resp: 106224

Ion Ratio Lower Upper

119 100

91 22.7 0.0 48.0

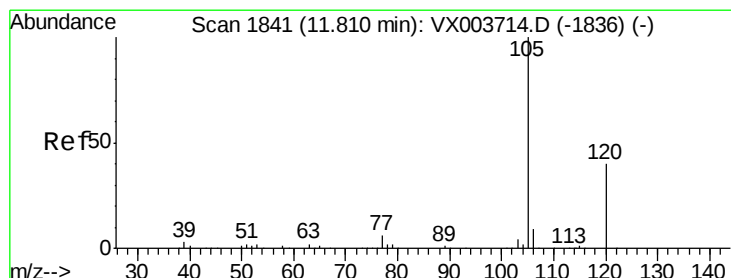
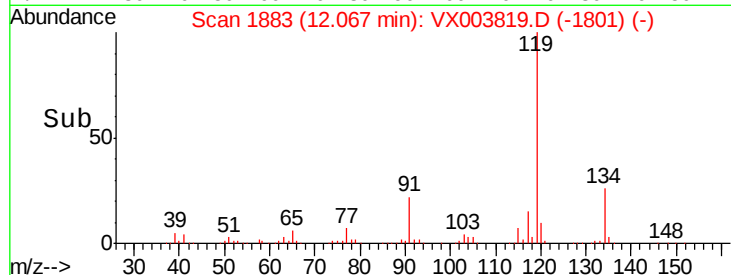
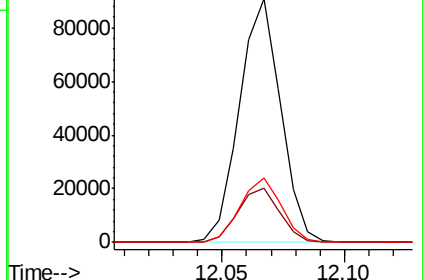
134 26.6 0.0 52.6



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: 19.78 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003819.D

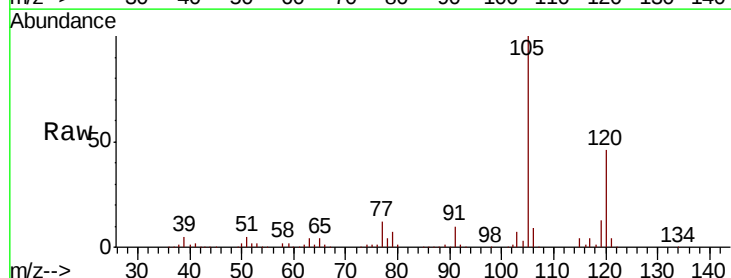
Acq: 02 Aug 2018 12:03

Tgt Ion:105 Resp: 104546

Ion Ratio Lower Upper

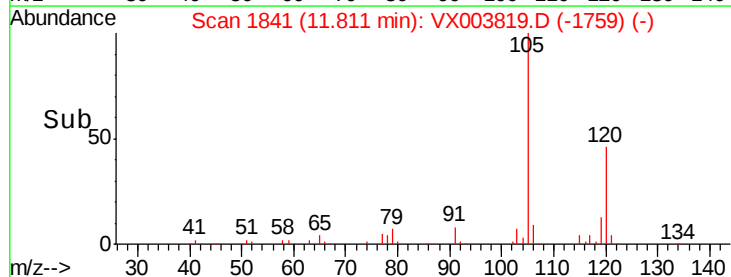
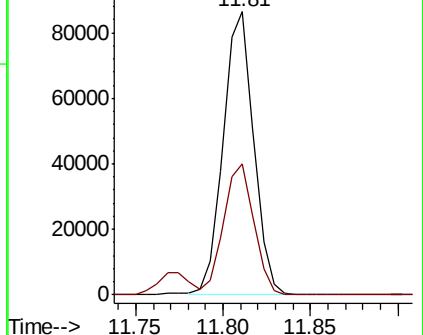
105 100

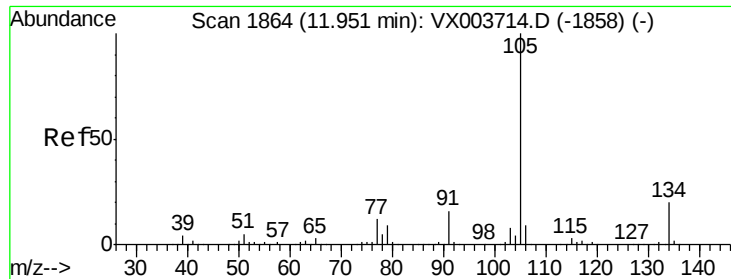
120 46.4 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

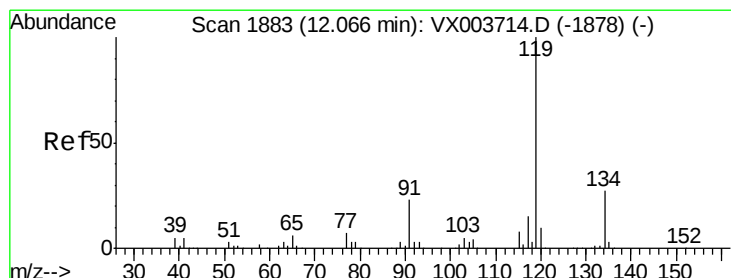
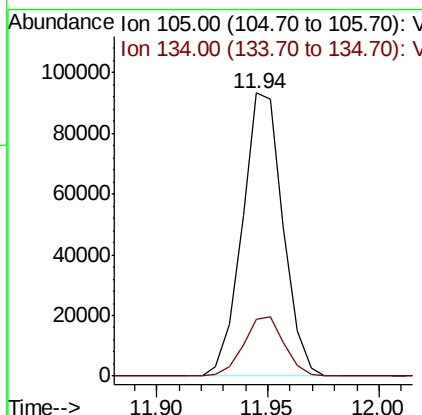
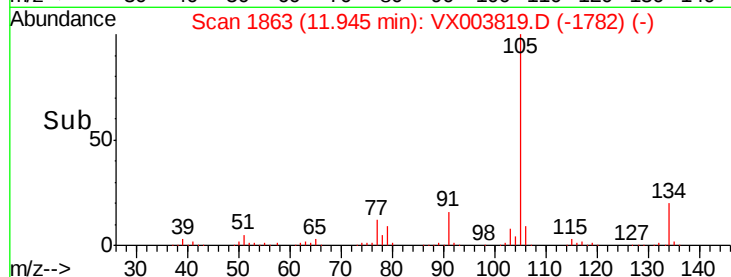
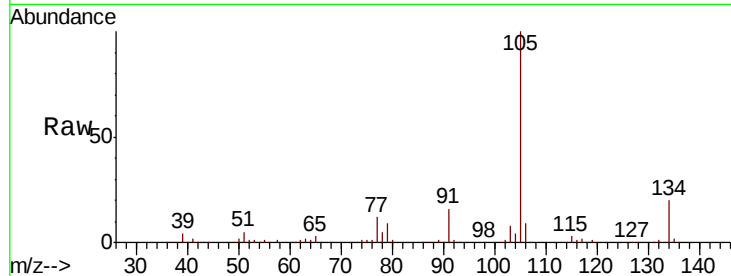




#81
 sec-Butylbenzene
 Concen: 19.78 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

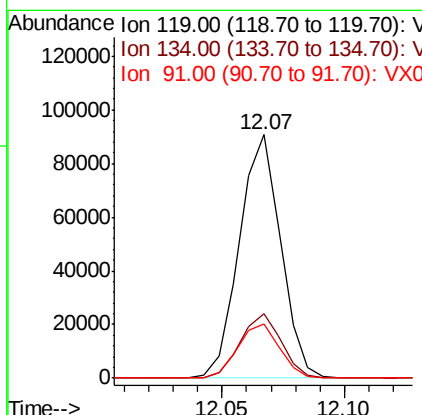
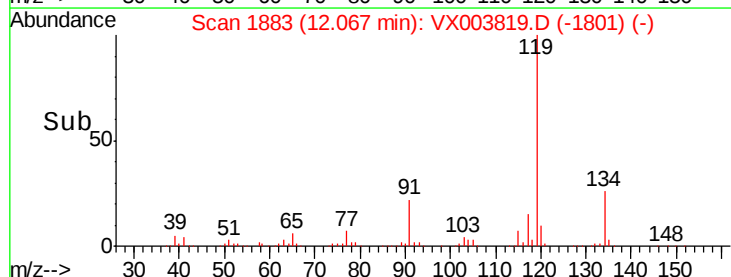
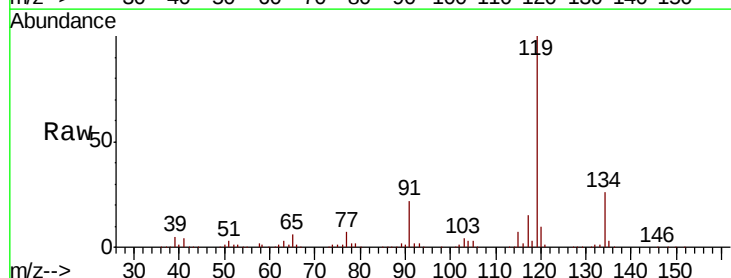
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

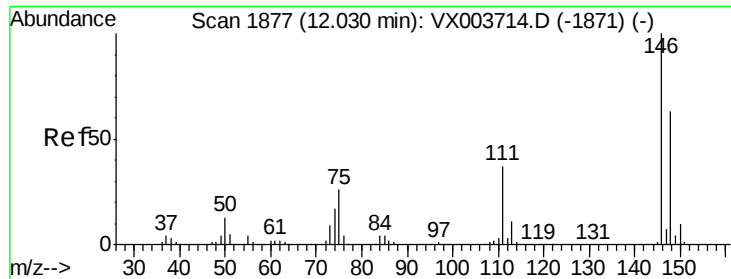
Tot Ion:105 Resp: 118961
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 41.6



#82
 p-Isopropyltoluene
 Concen: 19.99 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion:119 Resp: 106224
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 22.7 0.0 48.0

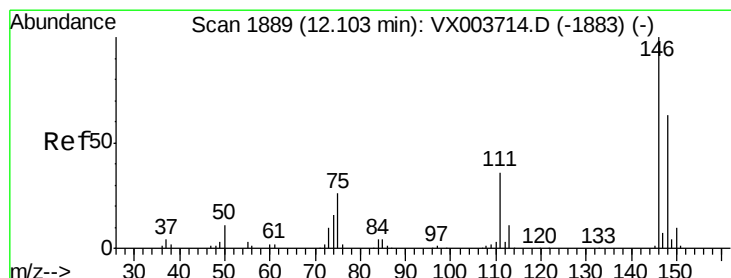
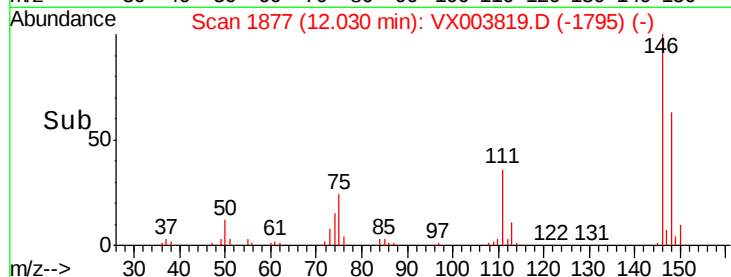
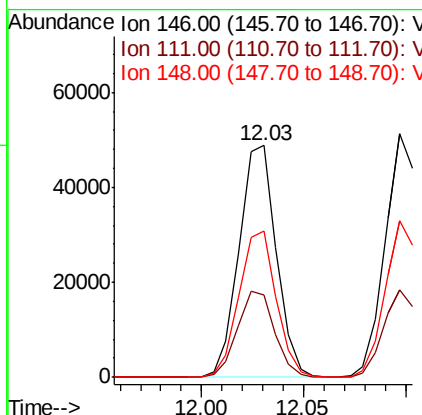
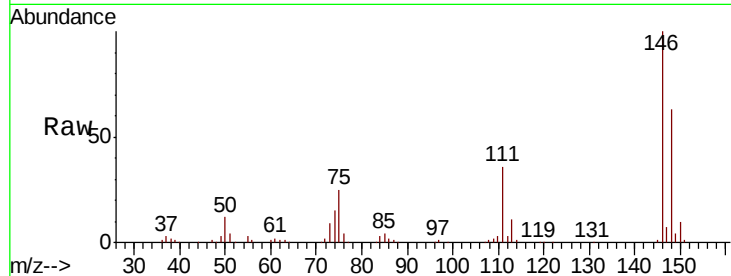




#83
 1,3-Dichlorobenzene
 Concen: 20.72 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

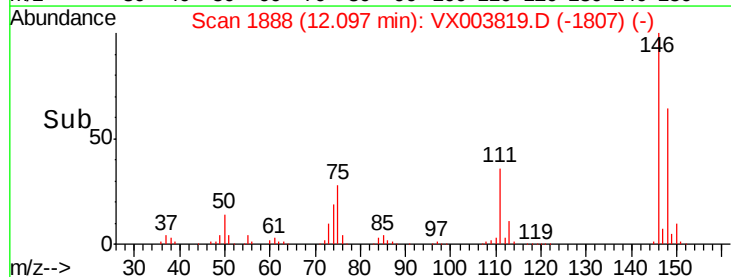
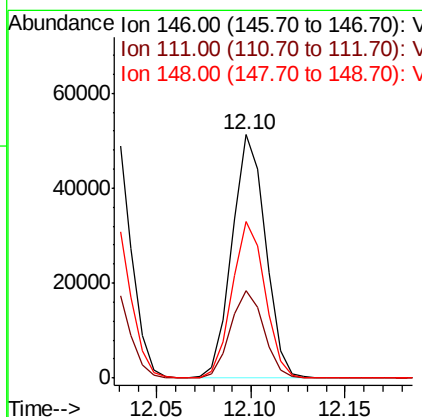
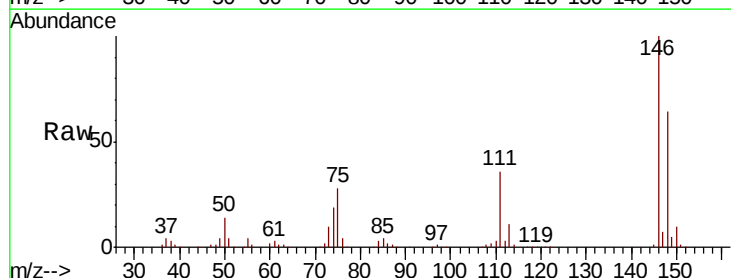
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

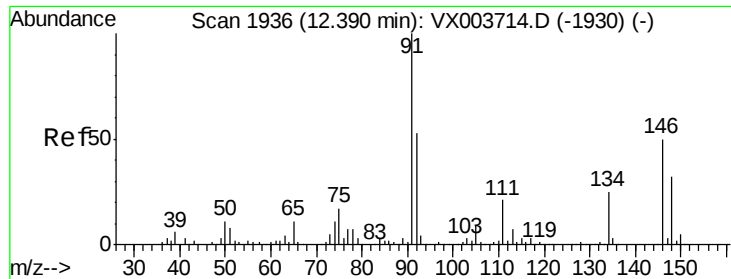
Tot Ion:146 Resp: 62072
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.1 57.5
 148 63.2 31.9 95.7



#84
 1,4-Dichlorobenzene
 Concen: 20.96 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion:146 Resp: 63203
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.5 55.5
 148 63.3 32.0 96.0

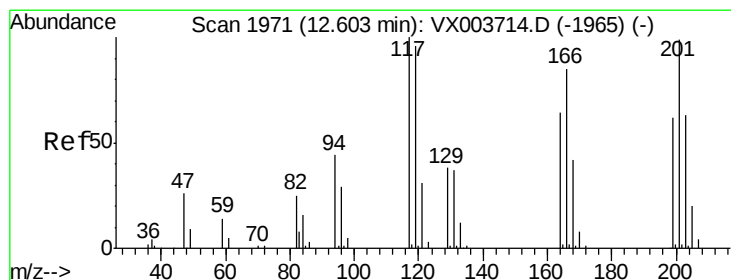
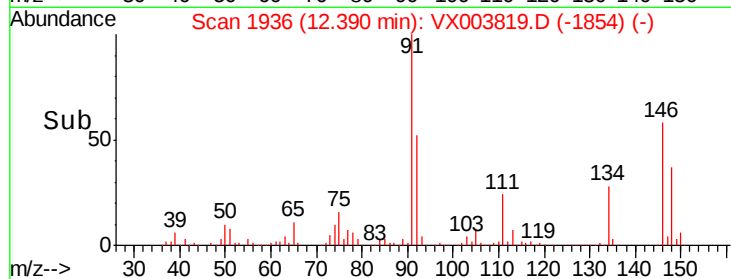
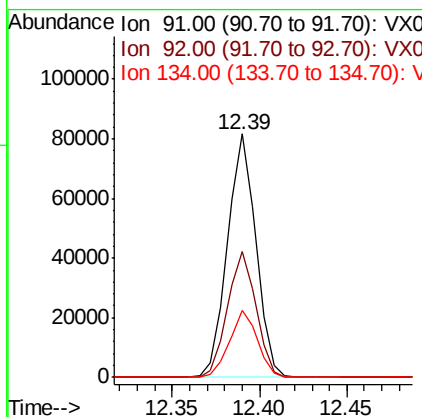
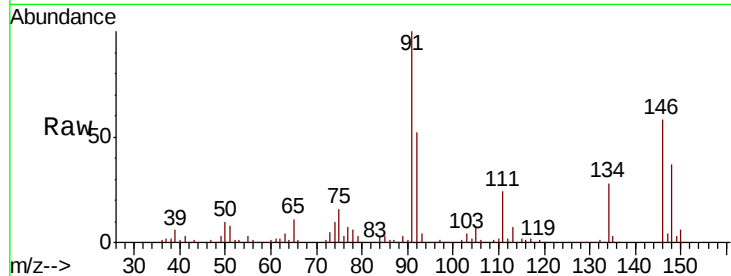




#85
n-Butylbenzene
Concen: 19.60 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

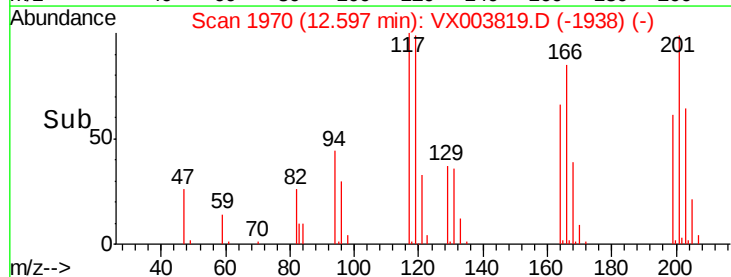
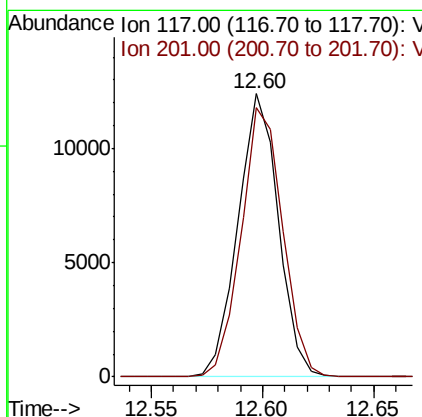
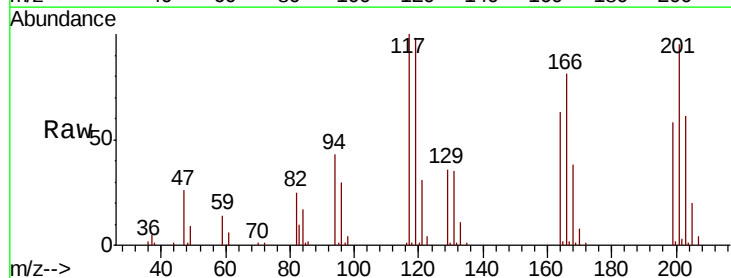
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

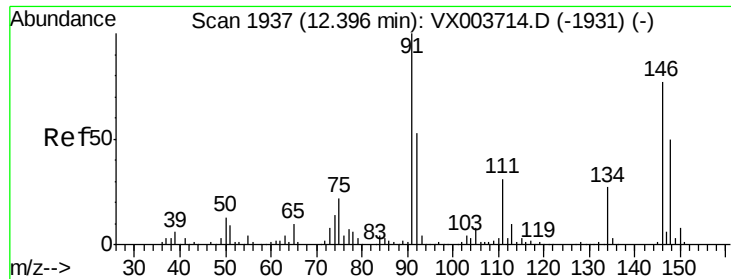
Tot Ion: 91 Resp: 92447
Ion Ratio Lower Upper
91 100
92 51.9 0.0 105.2
134 27.2 0.0 53.2



#86
Hexachloroethane
Concen: 18.31 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 117 Resp: 15675
Ion Ratio Lower Upper
117 100
201 97.6 47.6 142.8

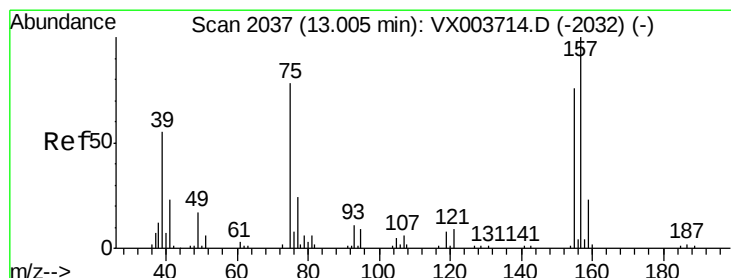
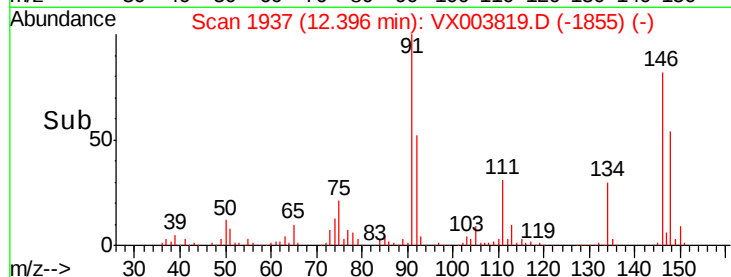
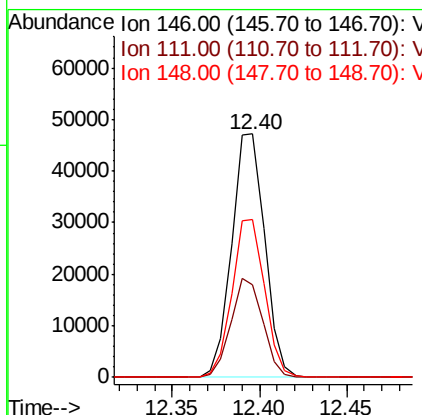
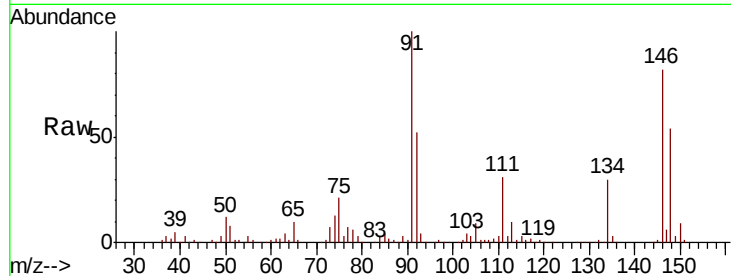




#87
 1,2-Dichlorobenzene
 Concen: 20.69 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

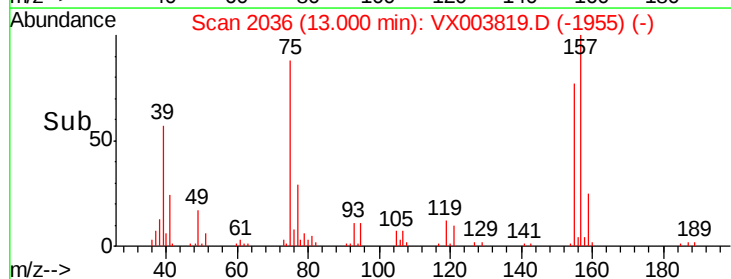
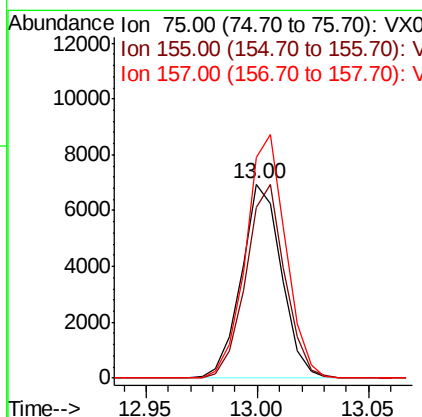
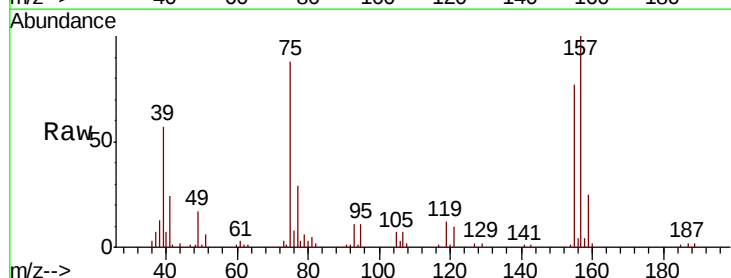
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

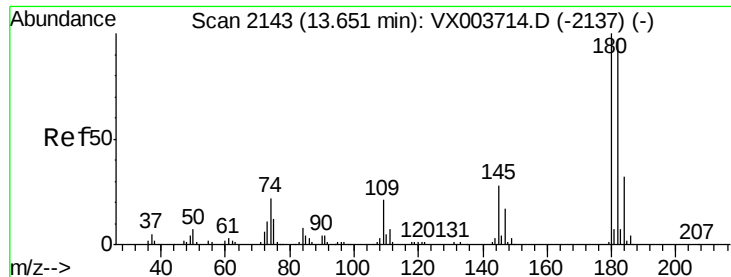
Tot Ion:146 Resp: 62224
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 59.9
 148 64.0 32.8 98.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.01 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 75 Resp: 8717
 Ion Ratio Lower Upper
 75 100
 155 97.3 73.1 109.7
 157 125.1 93.1 139.7

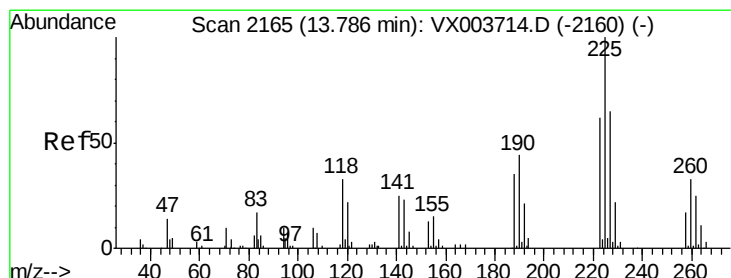
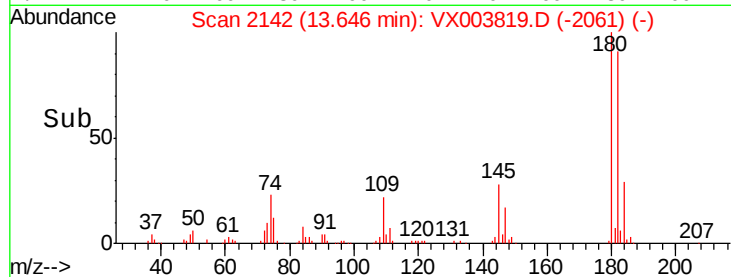
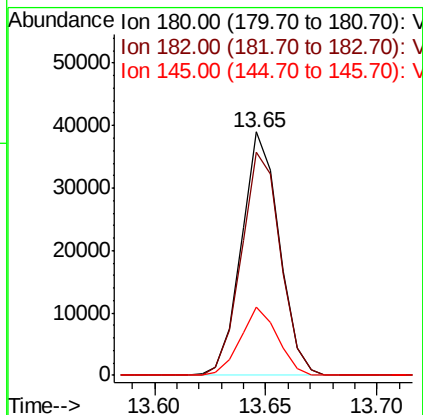
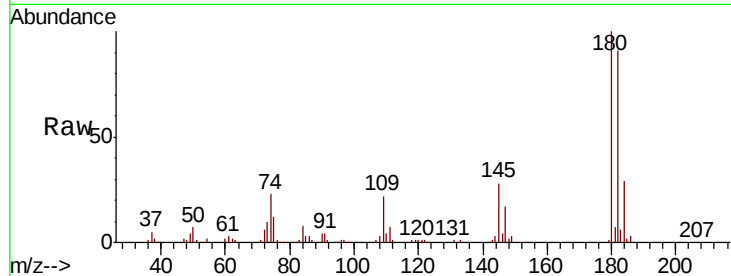




#89
 1,2,4-Trichlorobenzene
 Concen: 21.92 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

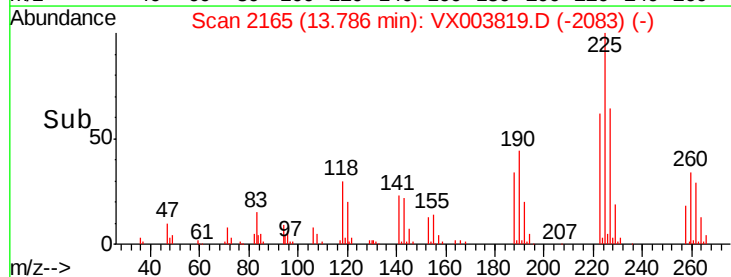
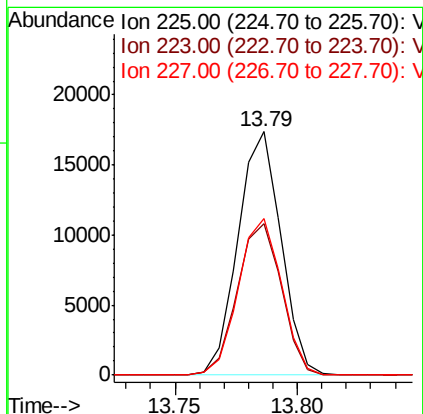
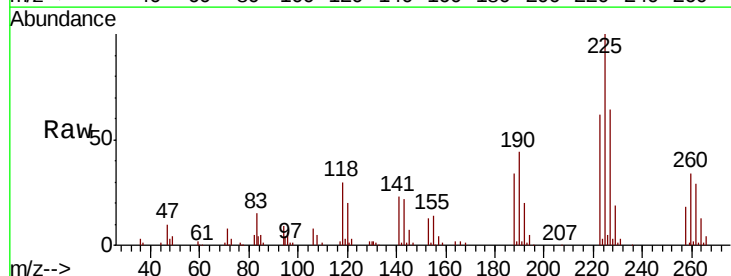
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

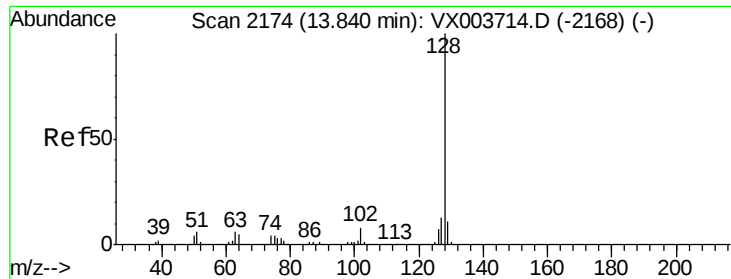
Tot Ion:180 Resp: 46287
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.4 114.6
 145 27.5 22.9 34.3



#90
 Hexachlorobutadiene
 Concen: 22.26 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion:225 Resp: 21310
 Ion Ratio Lower Upper
 225 100
 223 63.9 0.0 122.4
 227 64.7 0.0 128.0

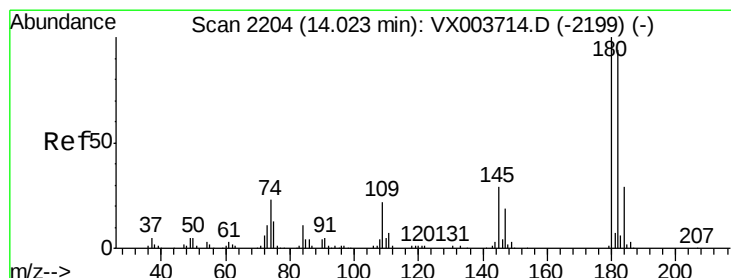
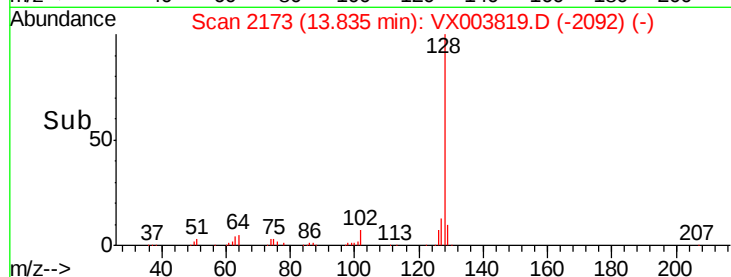
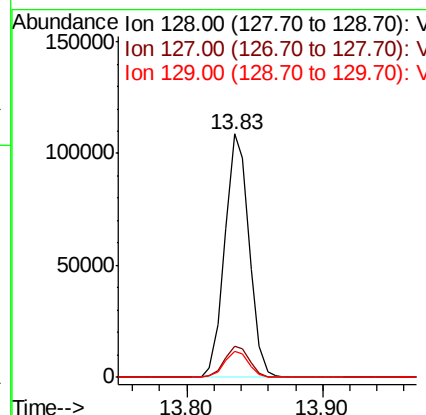
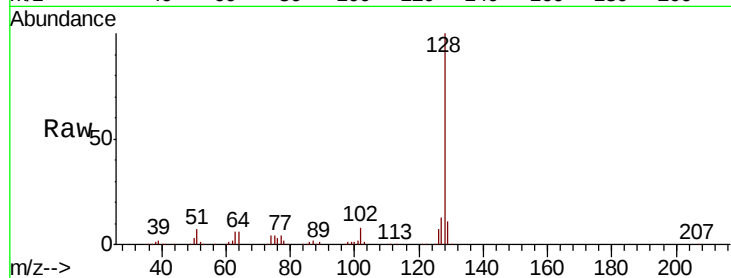




#91
Naphthalene
Concen: 20.84 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.9	13.3



#92
1,2,3-Trichlorobenzene
Concen: 21.99 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	191.0
145	29.3	0.0	60.6

