

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003829.D
 Acq On : 02 Aug 2018 17:33
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Aug 03 03:22:17 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	21678	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	109959	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	104995	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	46474	29.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.33%
60) 4-Bromofluorobenzene	11.14	95	50422	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	8.72	98	140718	29.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.17%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	28429	24.83	ug/l	99
3) Chloromethane	1.32	50	35475	23.02	ug/l	100
4) Vinyl Chloride	1.40	62	29211	18.02	ug/l	97
5) Bromomethane	1.64	94	15795	16.30	ug/l	97
6) Chloroethane	1.73	64	16252	15.32	ug/l	95
7) Trichlorofluoromethane	1.93	101	38363	17.60	ug/l	99
8) Diethyl Ether	2.19	74	17386	18.61	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	23306	17.63	ug/l	97
10) 1,1-Dichloroethene	2.37	96	21381	17.20	ug/l	94
11) Methyl Iodide	2.51	142	24801	14.40	ug/l	93
12) Methyl Acetate	2.78	43	38253	16.63	ug/l #	91
13) Acrolein	2.29	56	24116	134.46	ug/l	99
14) Acrylonitrile	3.15	53	82188	90.70	ug/l	99
15) Acetone	2.45	58	22233	90.42	ug/l	78
16) Carbon Disulfide	2.57	76	59277	17.17	ug/l	99
17) Allyl chloride	2.73	41	33823	13.15	ug/l	90
18) Methylene Chloride	2.86	84	24334	16.53	ug/l #	86
19) trans-1,2-Dichloroethene	3.16	96	23613	17.58	ug/l	98
20) Diisopropyl ether	3.87	45	84537	17.90	ug/l	97
21) 1,1-Dichloroethane	3.70	63	46109	17.24	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	26511	19.54	ug/l #	73
23) tert-Butyl Alcohol	3.07	59	35737	93.89	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	81959	18.39	ug/l	92
25) Chloroform	5.21	83	46020	19.87	ug/l	98
26) Cyclohexane	5.57	56	36968	18.40	ug/l #	99
29) 1,1-Dichloropropene	5.80	75	31086	19.14	ug/l	98
30) 2-Butanone	4.71	43	111552	107.58	ug/l #	93
31) 2,2-Dichloropropane	4.58	77	27749	17.64	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	36444	19.62	ug/l	98
33) Carbon Tetrachloride	5.78	117	31576	19.56	ug/l	96
34) Benzene	6.14	78	101249	20.30	ug/l	98
35) Methacrylonitrile	5.07	41	22752	21.11	ug/l	93
36) 1,2-Dichloroethane	6.20	62	37372	20.84	ug/l	97
37) Trichloroethene	7.21	130	26009	20.00	ug/l	89
38) Methylcyclohexane	7.46	83	34953	18.94	ug/l	99
39) 1,2-Dichloropropane	7.52	63	27470	20.84	ug/l	97
40) Dibromomethane	7.67	93	18150	21.27	ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	33106	20.31	ug/l	100
42) Vinyl Acetate	3.82	43	350958	88.08	ug/l	99
43) Ethyl Acetate	4.86	43	40456	20.89	ug/l	97
44) Isopropyl Acetate	6.46	43	61490	20.70	ug/l	95
45) 1,4-Dioxane	7.76	88	13093	396.84	ug/l #	87
46) Methyl methacrylate	7.78	41	32058	20.92	ug/l	88
47) n-amyl Acetate	10.90	43	52444	18.70	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	39732	20.09	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	36328	19.58	ug/l	91
50) 1,1,2-Trichloroethane	9.22	97	28156	20.79	ug/l	96
51) Ethyl methacrylate	9.18	69	38828	19.04	ug/l	85
52) 1,3-Dichloropropane	9.37	76	45684	20.27	ug/l	99
53) Dibromochloromethane	9.59	129	26759	20.11	ug/l	99
54) 1,2-Dibromoethane	9.68	107	28896	20.40	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	103246	98.16	ug/l	99
56) Bromoform	10.86	173	20873	20.22	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	211247	106.55	ug/l	94
59) 2-Hexanone	9.50	43	162257	102.79	ug/l	94
61) Tetrachloroethene	9.34	164	24806	20.30	ug/l	98
62) Toluene	8.79	91	109353	20.07	ug/l	99
64) Chlorobenzene	10.14	112	71349	20.26	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	25742	20.66	ug/l	98
66) Ethyl Benzene	10.26	91	114808	19.14	ug/l	100
67) m/p-Xylenes	10.36	106	89971	38.95	ug/l	99
68) o-Xylene	10.70	106	43442	19.66	ug/l	97
69) Styrene	10.71	104	73336	19.60	ug/l	97
70) Isopropylbenzene	11.02	105	116319	19.12	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	43853	20.19	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	49677	27.50	ug/l	93
73) Bromobenzene	11.26	156	32635	19.90	ug/l	98
74) n-propylbenzene	11.36	91	135432	18.90	ug/l	100
75) 2-Chlorotoluene	11.42	91	81530	19.30	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	98616	19.10	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	11735	19.06	ug/l	97
78) 4-Chlorotoluene	11.51	91	94138	19.05	ug/l	98
79) tert-butylbenzene	12.07	119	102671	19.33	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	101672	19.24	ug/l	99
81) sec-Butylbenzene	11.95	105	114307	19.01	ug/l	100
82) p-Isopropyltoluene	12.07	119	102671	19.33	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	59073	19.73	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	60184	19.96	ug/l	100
85) n-Butylbenzene	12.39	91	87786	18.62	ug/l	99
86) Hexachloroethane	12.60	117	15718	18.36	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	60657	20.18	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	9145	19.95	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	42652	20.21	ug/l	99
90) Hexachlorobutadiene	13.79	225	20045	20.95	ug/l	99
91) Naphthalene	13.83	128	132329	20.51	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	44083	20.51	ug/l	99

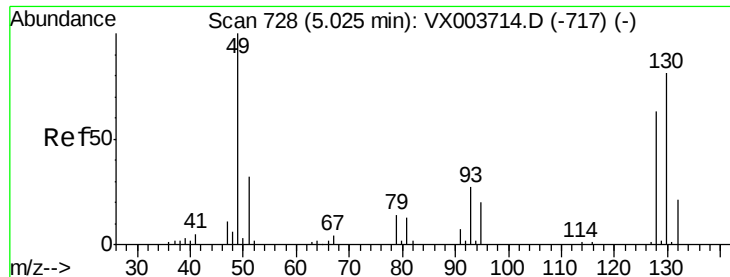
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

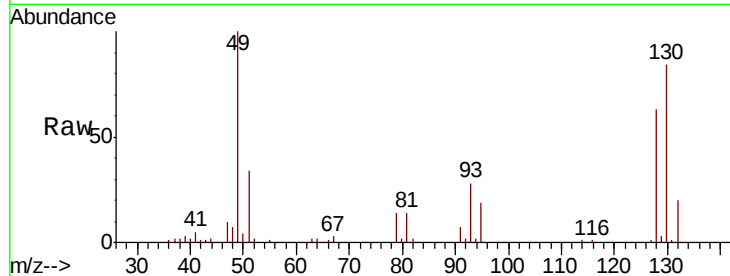
Tot Ion:128 Resp: 21678

Ion Ratio Lower Upper

128 100

49 161.8 0.0 423.0

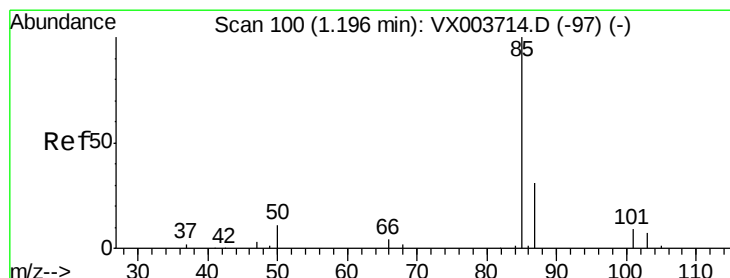
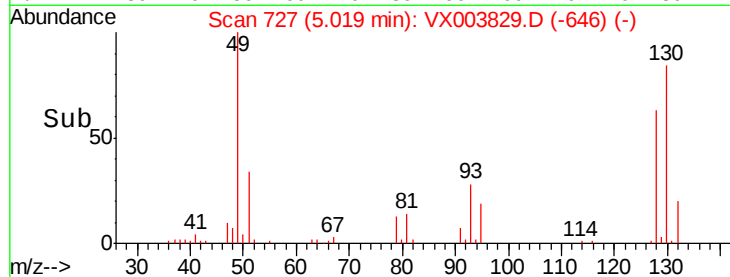
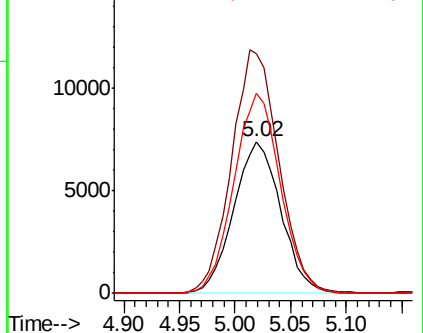
130 130.8 0.0 324.3



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: 24.83 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003829.D

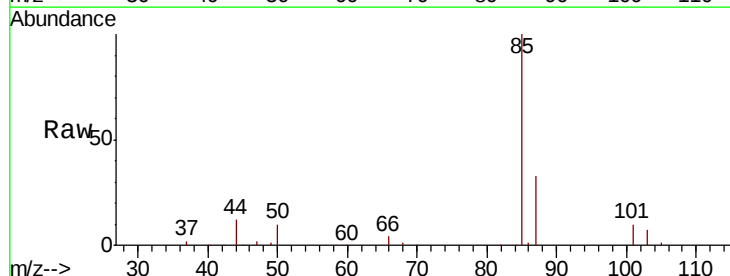
Acq: 02 Aug 2018 17:33

Tgt Ion: 85 Resp: 28429

Ion Ratio Lower Upper

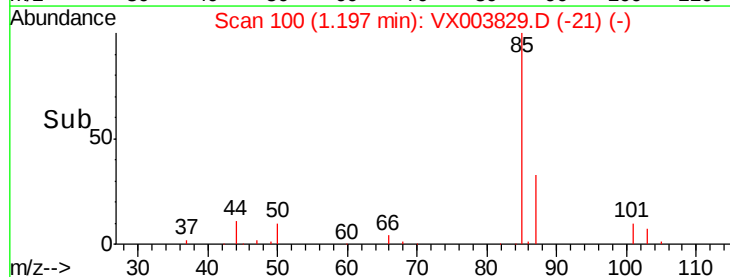
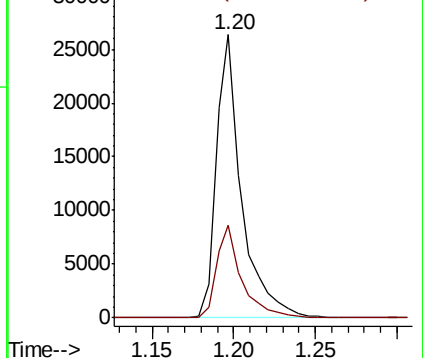
85 100

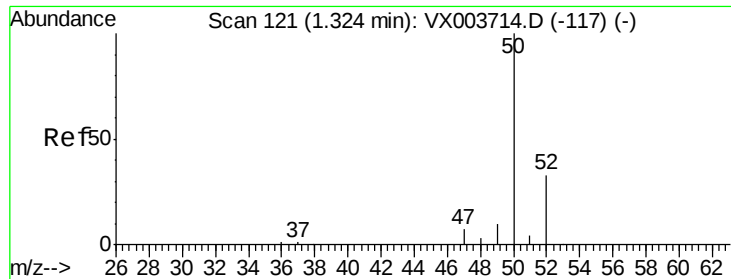
87 32.9 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 23.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

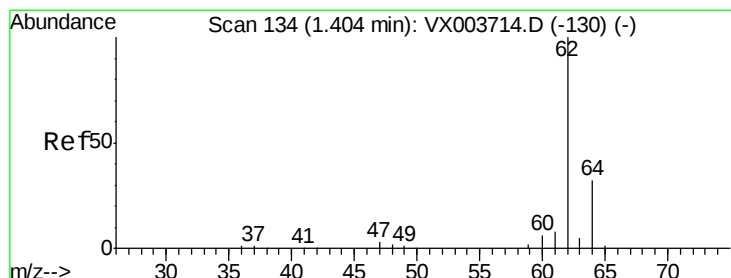
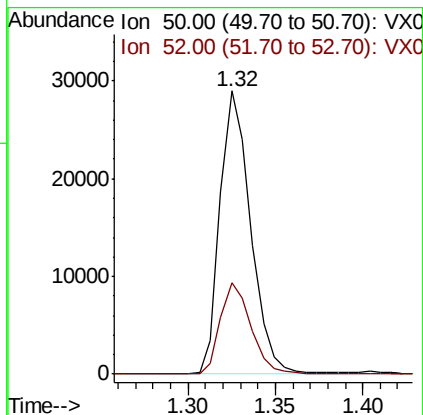
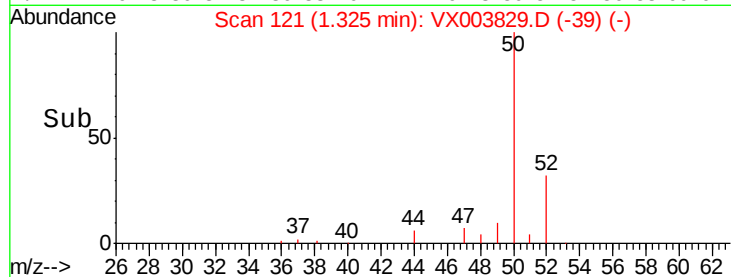
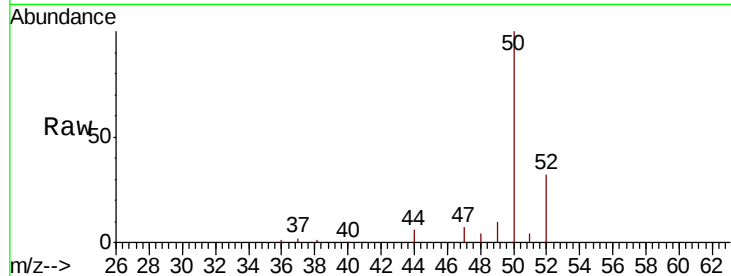
VSTDCCC020EC

Tot Ion: 50 Resp: 35475

Ion Ratio Lower Upper

50 100

52 32.1 25.6 38.4



#4

Vinyl Chloride

Concen: 18.02 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003829.D

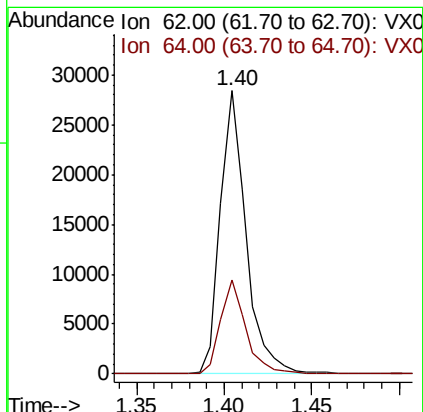
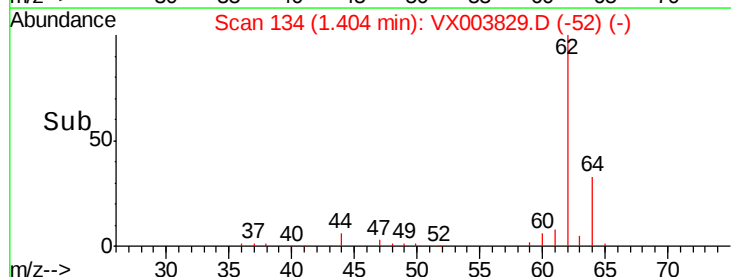
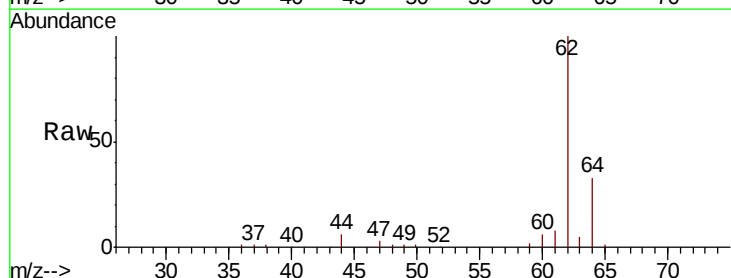
Acq: 02 Aug 2018 17:33

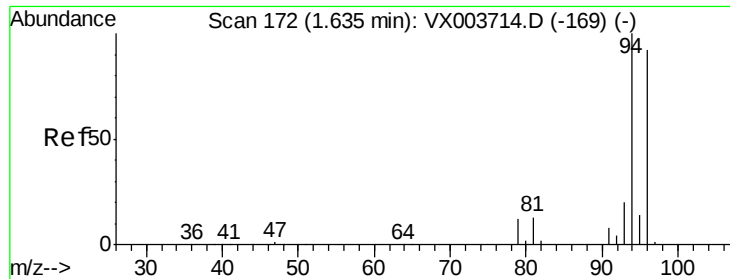
Tgt Ion: 62 Resp: 29211

Ion Ratio Lower Upper

62 100

64 33.0 25.3 37.9





#5

Bromomethane

Concen: 16.30 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

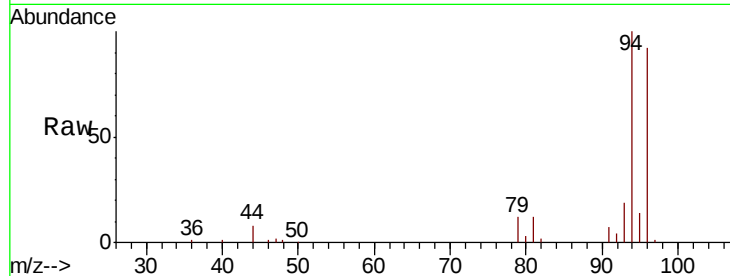
VSTDCCC020EC

Tot Ion: 94 Resp: 15795

Ion Ratio Lower Upper

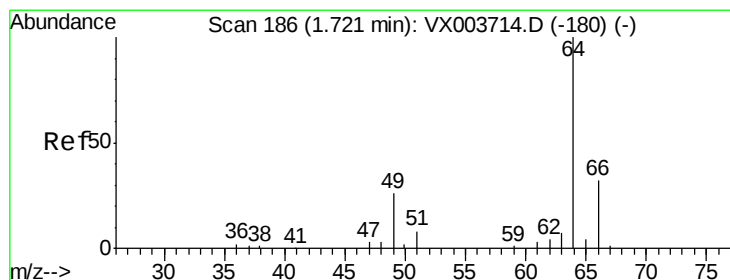
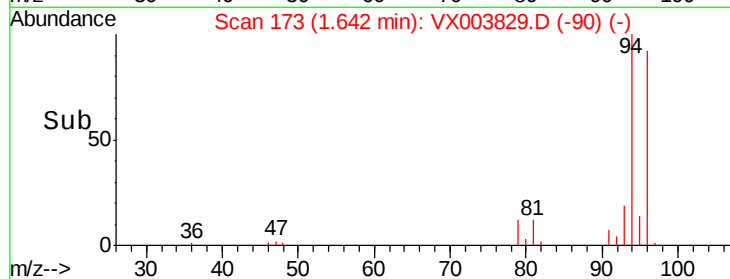
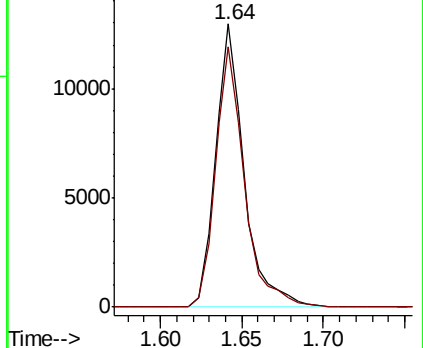
94 100

96 92.1 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 15.32 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003829.D

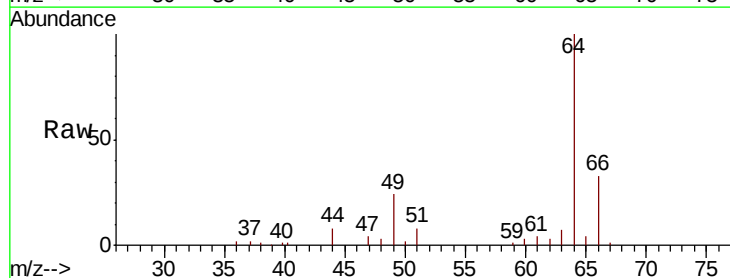
Acq: 02 Aug 2018 17:33

Tgt Ion: 64 Resp: 16252

Ion Ratio Lower Upper

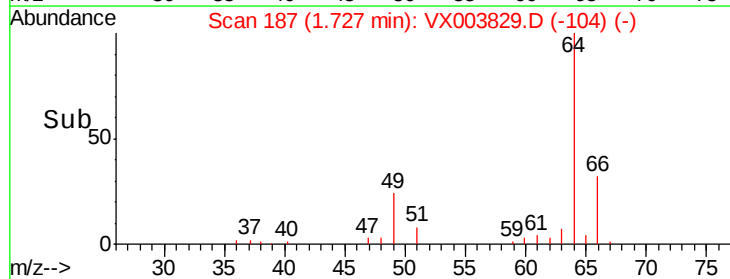
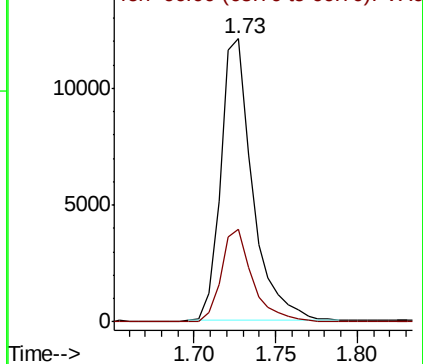
64 100

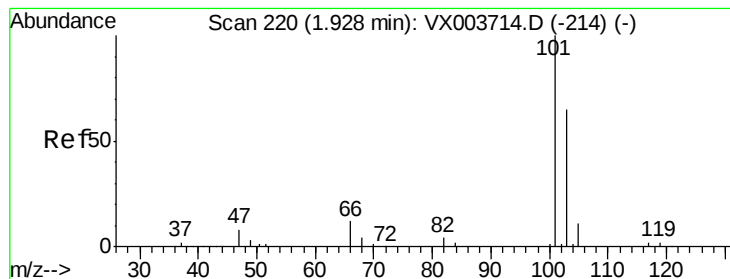
66 33.0 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



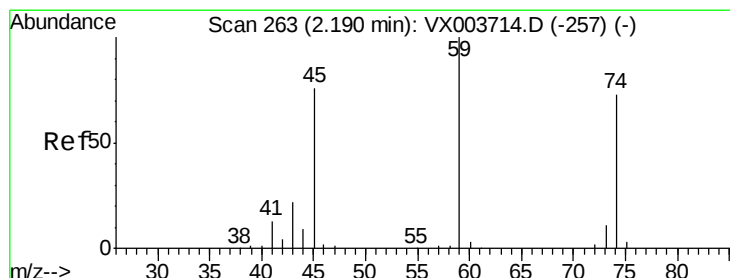
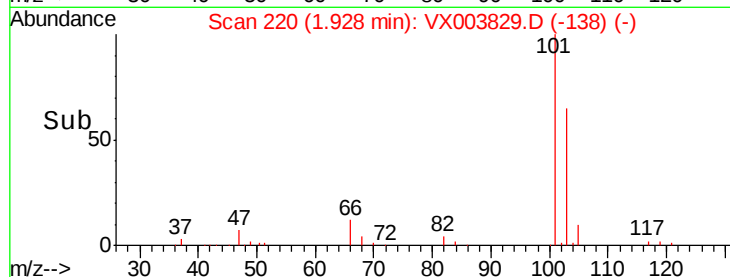
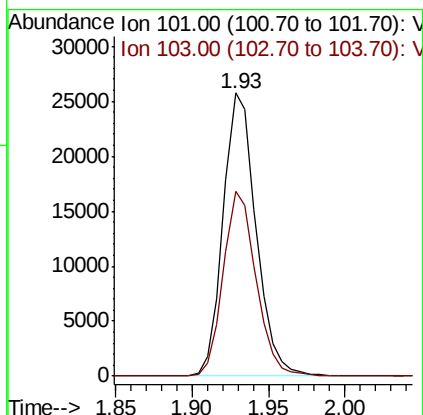
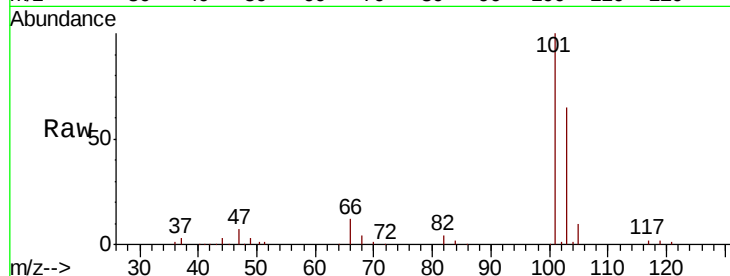


#7

Trichlorofluoromethane
 Concen: 17.60 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

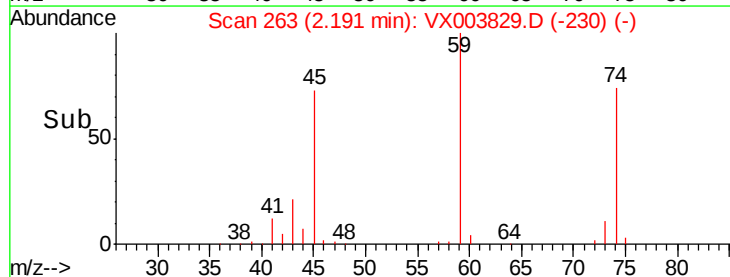
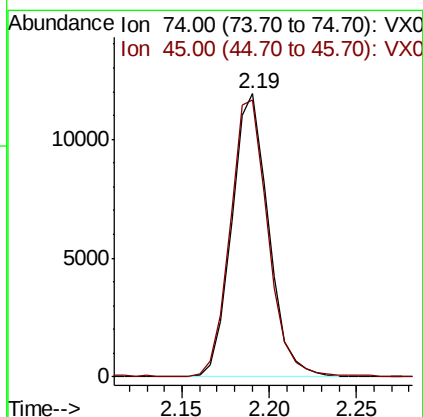
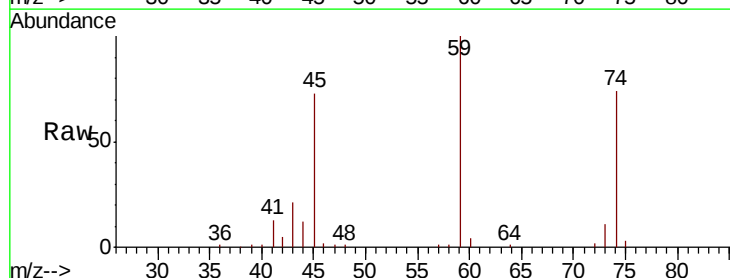
Tot Ion:101 Resp: 38363
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.5 77.3

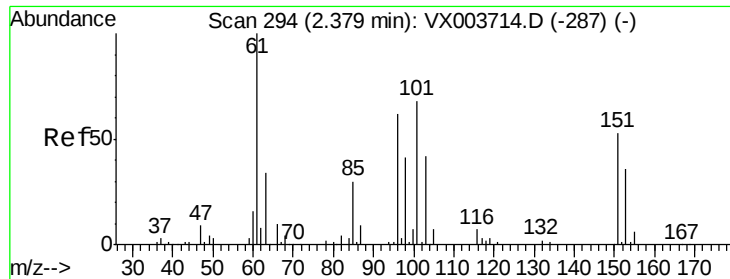


#8

Diethyl Ether
 Concen: 18.61 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion: 74 Resp: 17386
 Ion Ratio Lower Upper
 74 100
 45 100.4 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.63 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

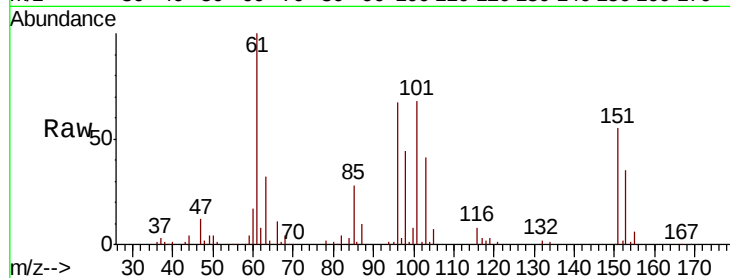
Tot Ion:101 Resp: 23306

Ion Ratio Lower Upper

101 100

85 42.6 0.0 87.0

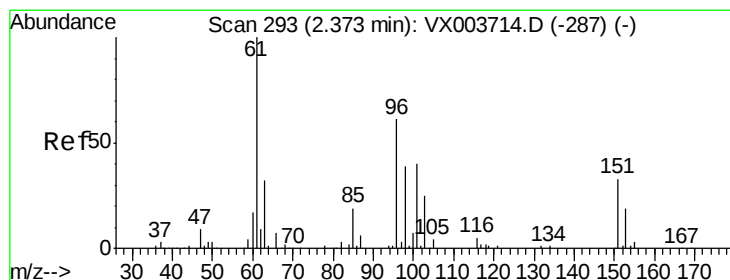
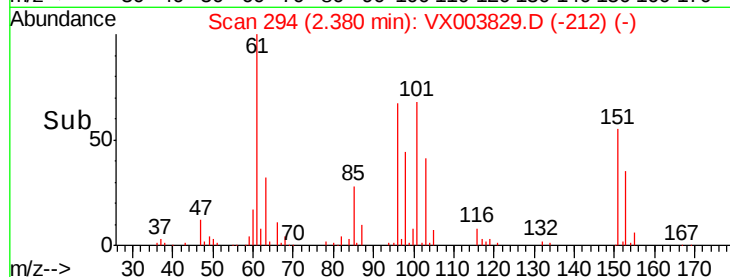
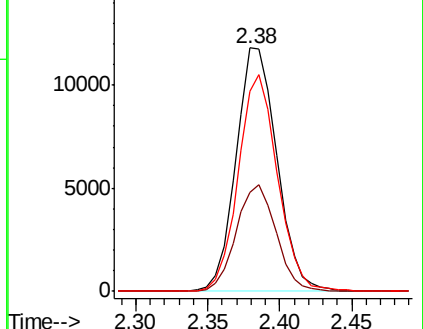
151 85.3 0.0 177.6



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: 17.20 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

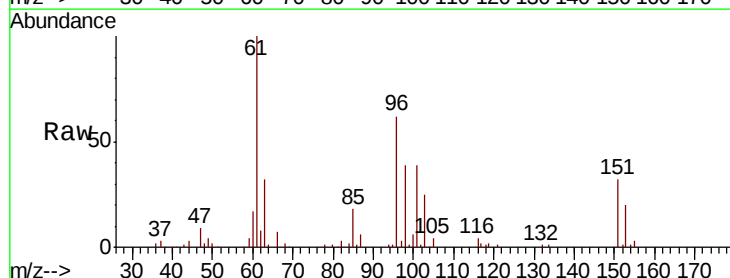
Tgt Ion: 96 Resp: 21381

Ion Ratio Lower Upper

96 100

61 161.8 137.5 206.3

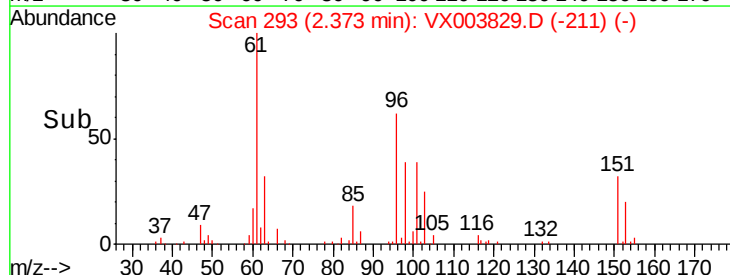
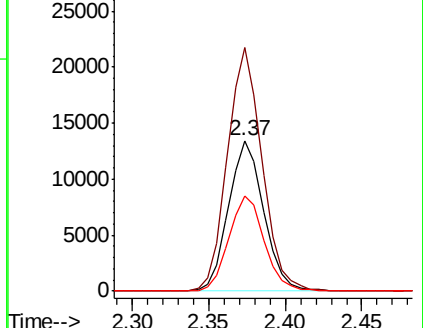
98 62.8 51.4 77.2

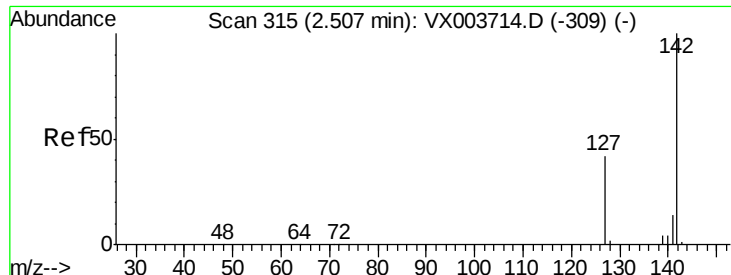


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

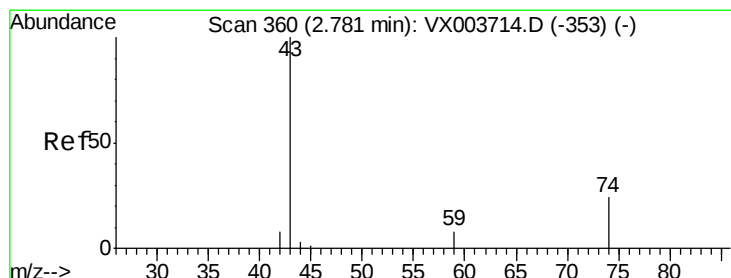
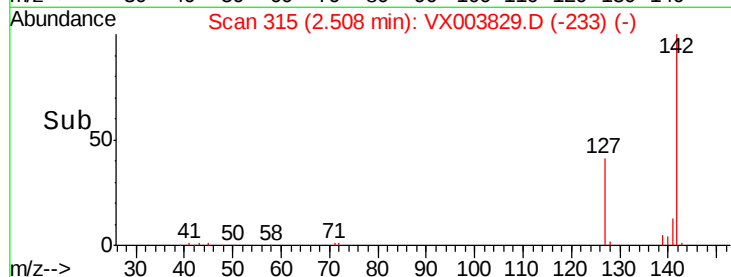
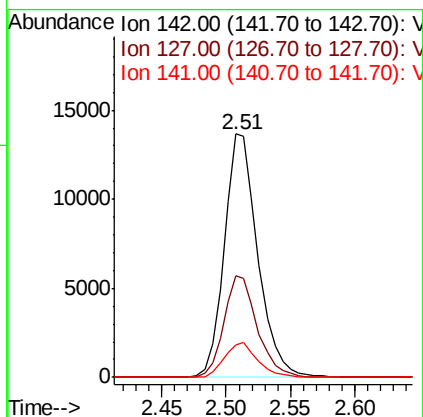
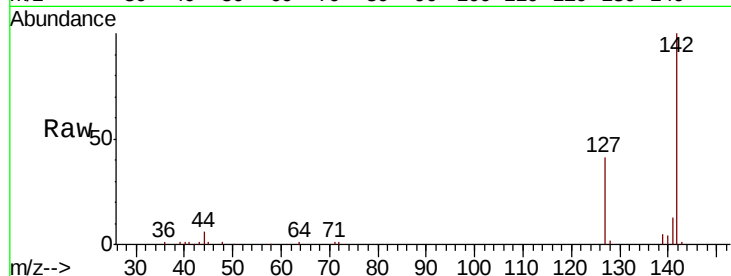




#11
Methvl Iodide
Concen: 14.40 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

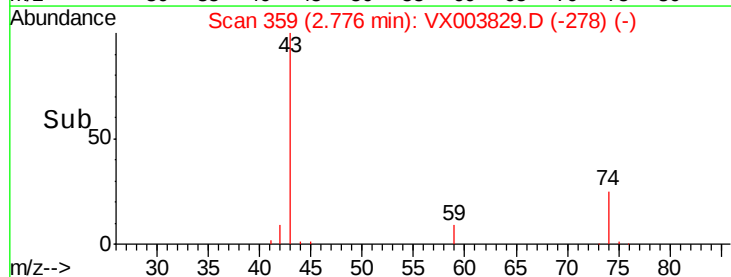
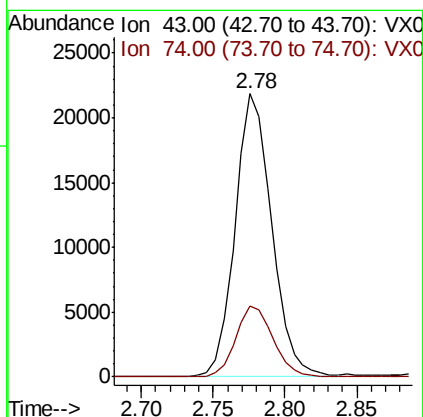
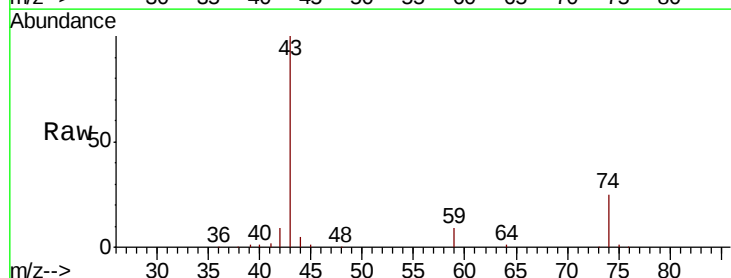
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

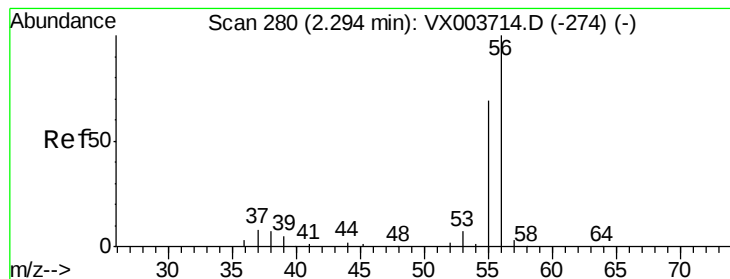
Tot Ion:142 Resp: 24801
Ion Ratio Lower Upper
142 100
127 41.5 23.2 69.6
141 13.1 7.4 22.2



#12
Methyl Acetate
Concen: 16.63 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 43 Resp: 38253
Ion Ratio Lower Upper
43 100
74 24.8 16.4 24.6#





#13

Acrolein

Concen: 134.46 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

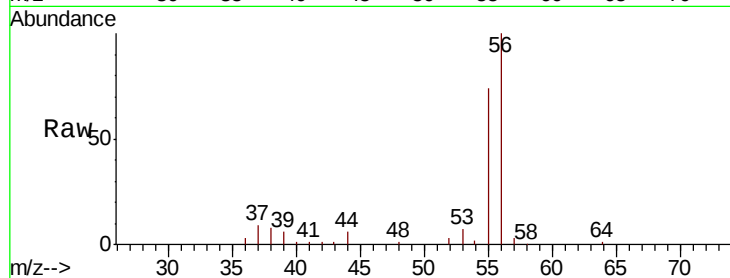
VSTDCCC020EC

Tot Ion: 56 Resp: 24116

Ion Ratio Lower Upper

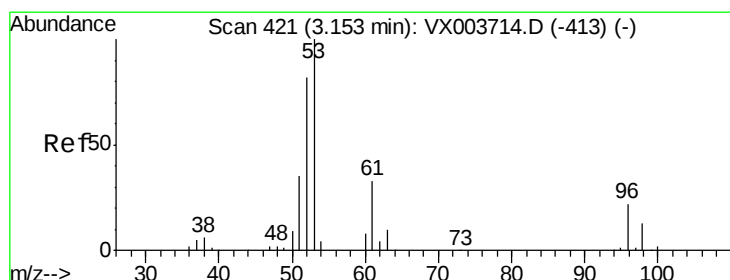
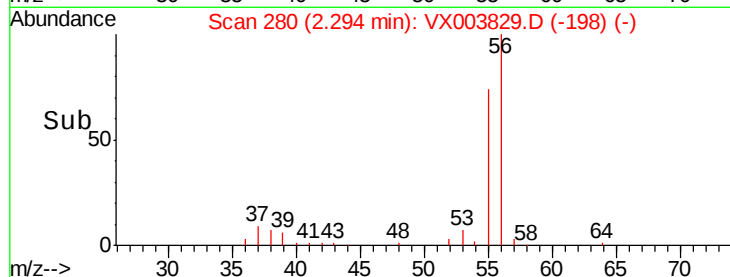
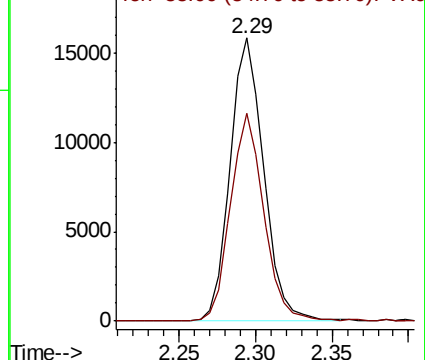
56 100

55 72.7 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: 90.70 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

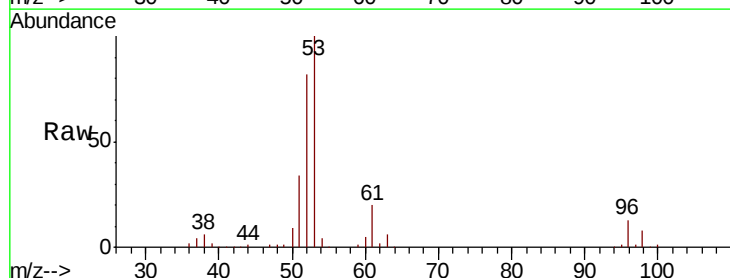
Tgt Ion: 53 Resp: 82188

Ion Ratio Lower Upper

53 100

52 82.5 41.5 124.6

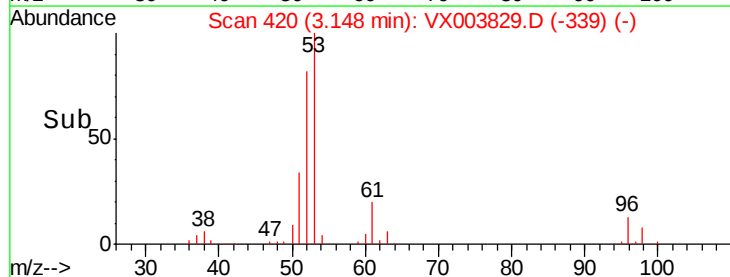
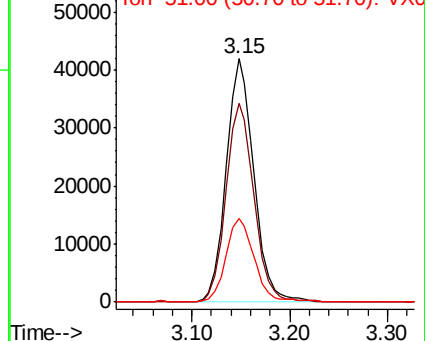
51 35.4 17.9 53.8

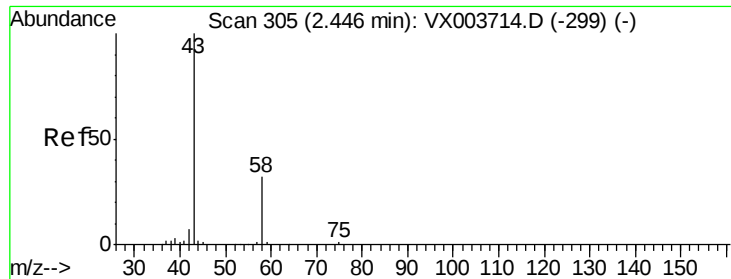


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 90.42 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

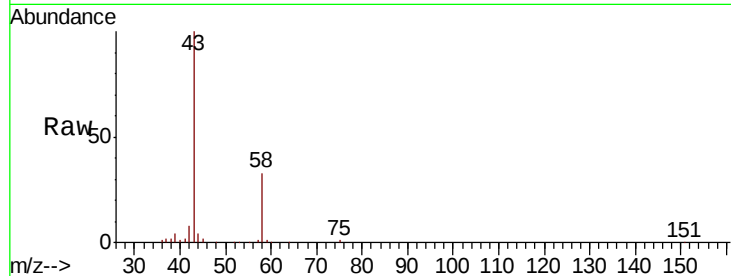
VSTDCCC020EC

Tot Ion: 58 Resp: 22233

Ion Ratio Lower Upper

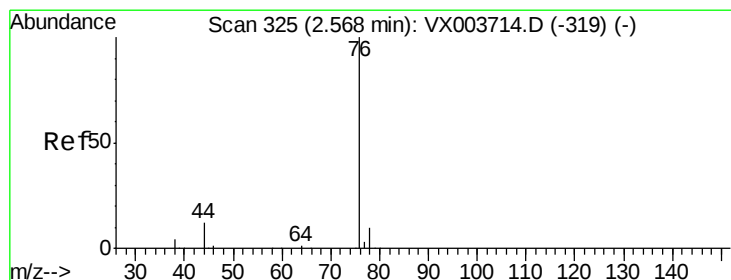
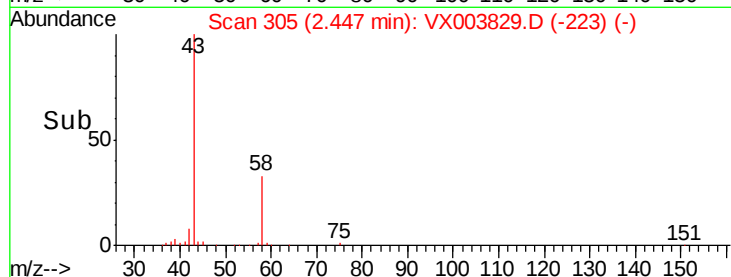
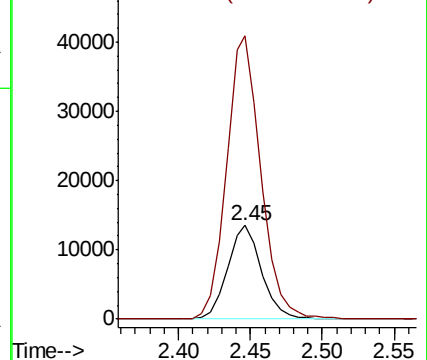
58 100

43 301.0 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.17 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003829.D

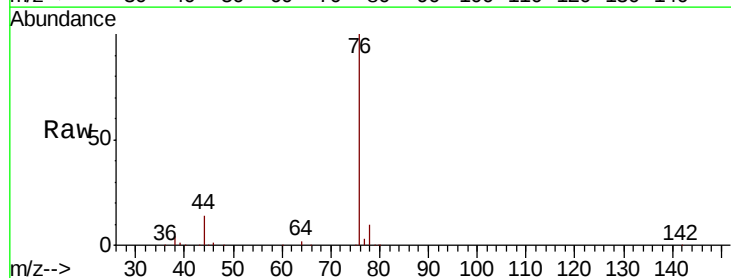
Acq: 02 Aug 2018 17:33

Tgt Ion: 76 Resp: 59277

Ion Ratio Lower Upper

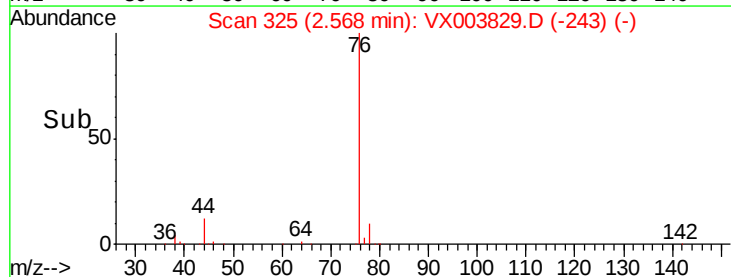
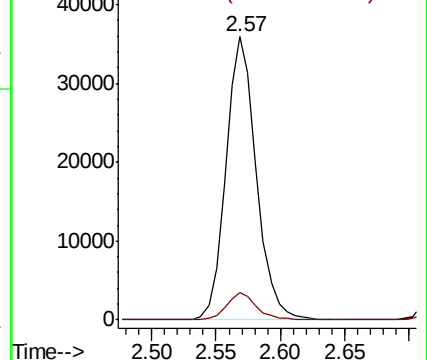
76 100

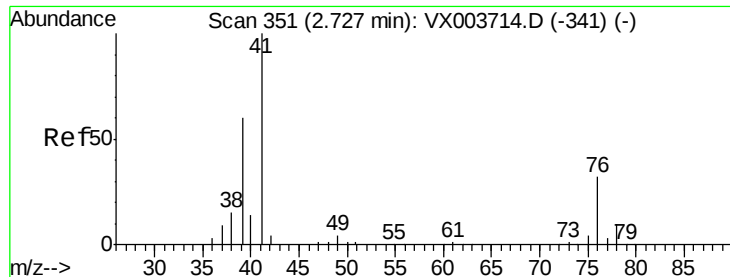
78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

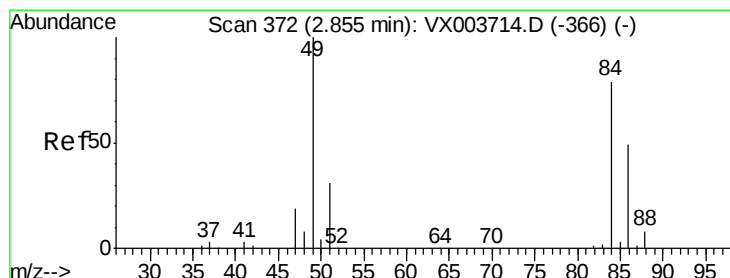
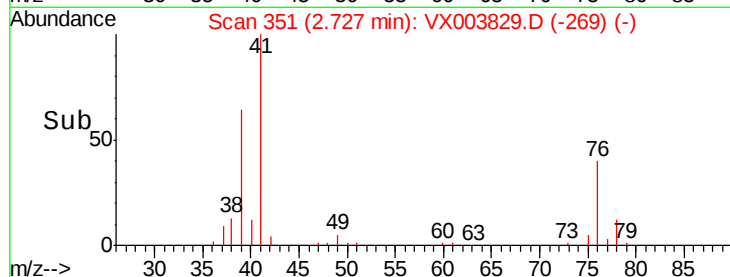
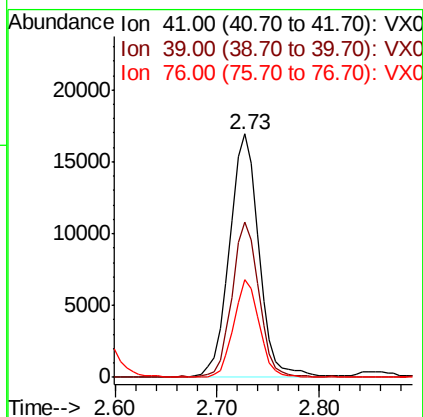
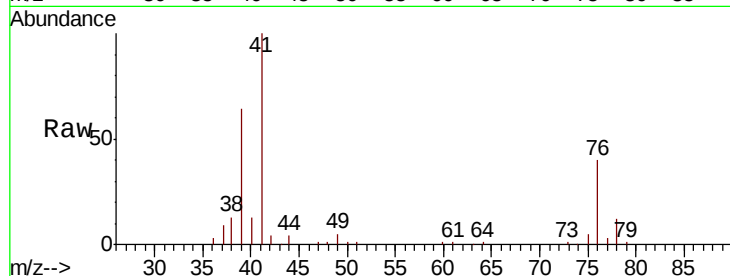




#17
Allvl chloride
Concen: 13.15 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

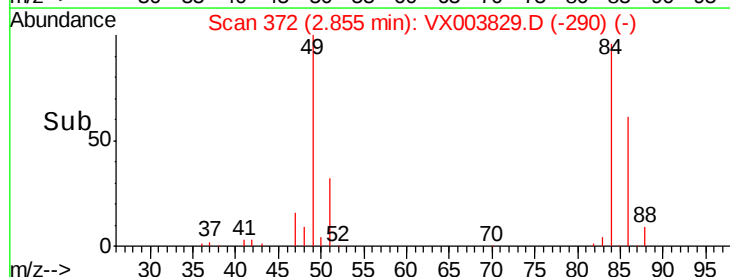
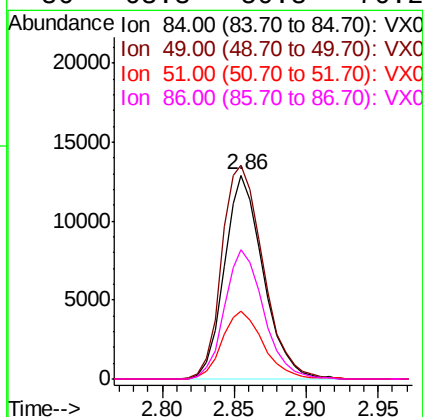
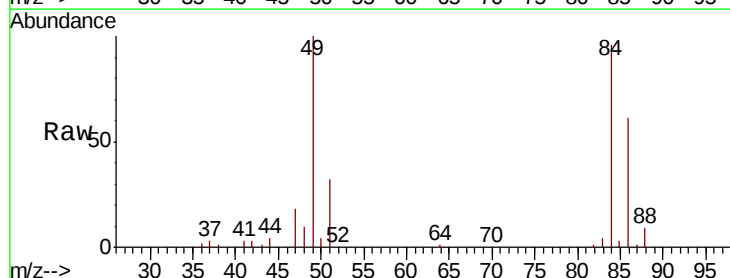
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

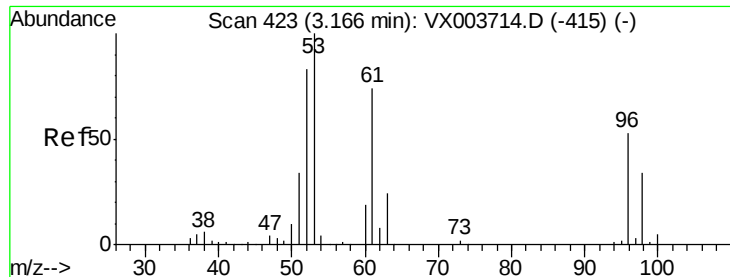
Tot Ion: 41 Resp: 33823
Ion Ratio Lower Upper
41 100
39 63.6 34.6 103.8
76 39.9 15.0 45.1



#18
Methylene Chloride
Concen: 16.53 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 84 Resp: 24334
Ion Ratio Lower Upper
84 100
49 104.1 104.7 157.1#
51 33.5 31.0 46.4
86 63.3 50.8 76.2

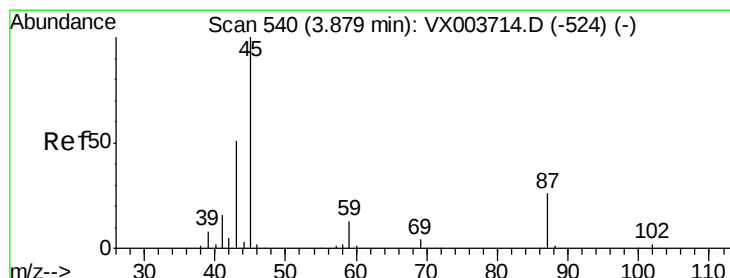
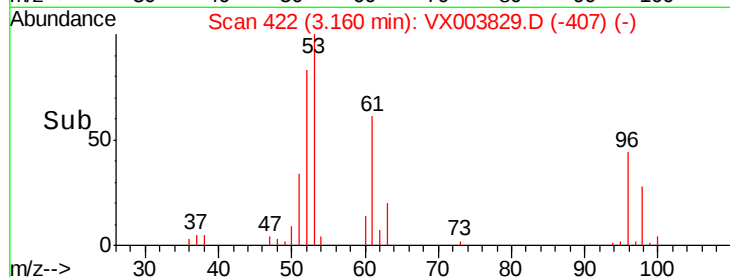
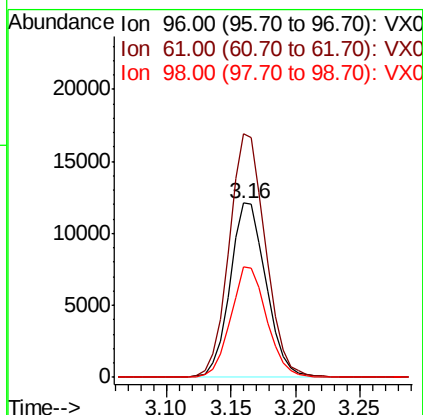
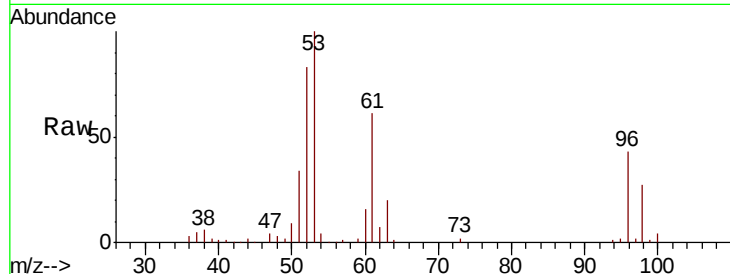




#19
trans-1,2-Dichloroethene
Concen: 17.58 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

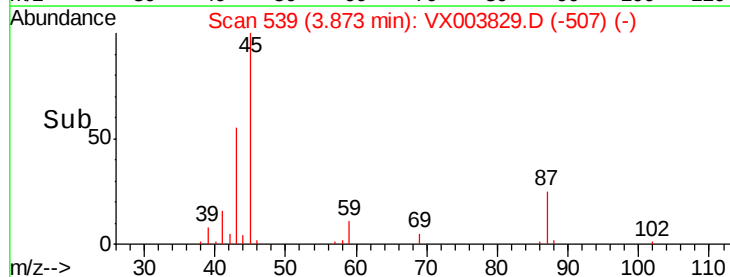
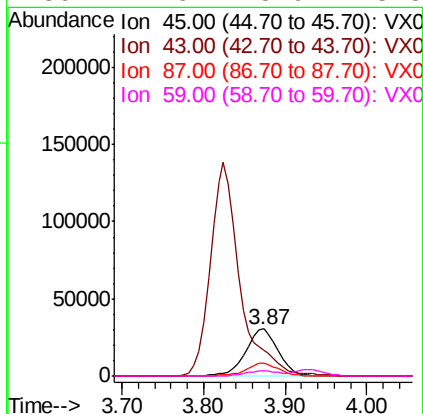
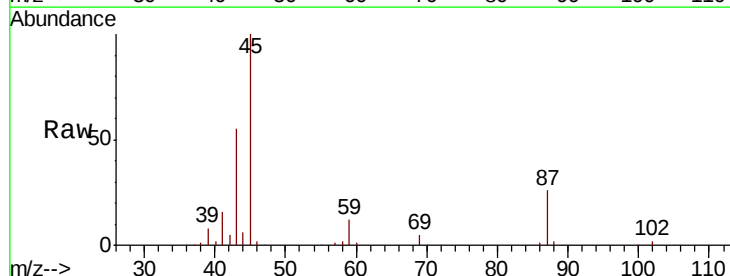
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

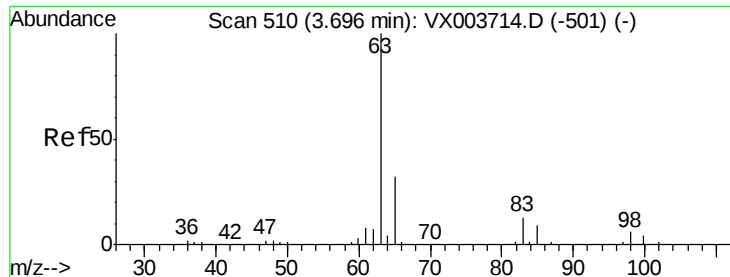
Tot Ion: 96 Resp: 23613
Ion Ratio Lower Upper
96 100
61 139.7 114.6 172.0
98 63.2 51.3 76.9



#20
Diisopropyl ether
Concen: 17.90 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 45 Resp: 84537
Ion Ratio Lower Upper
45 100
43 53.8 45.6 68.4
87 25.9 20.7 31.1
59 11.6 8.9 13.3





#21

1,1-Dichloroethane

Concen: 17.24 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

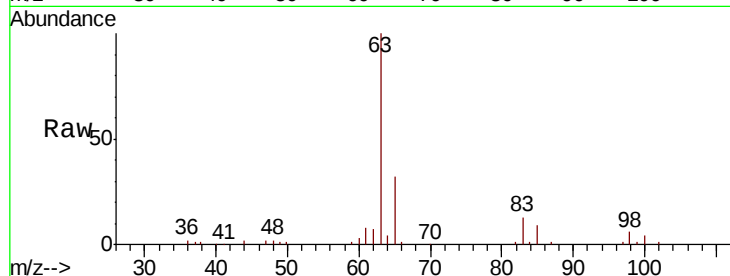
Tot Ion: 63 Resp: 46109

Ion Ratio Lower Upper

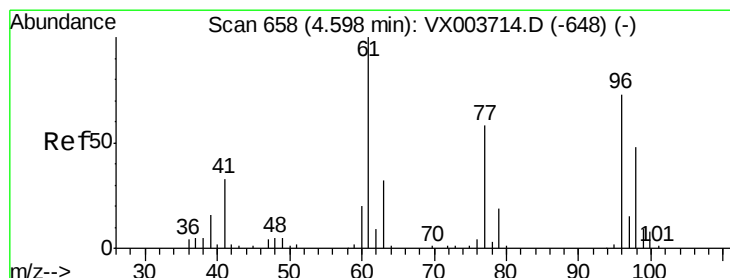
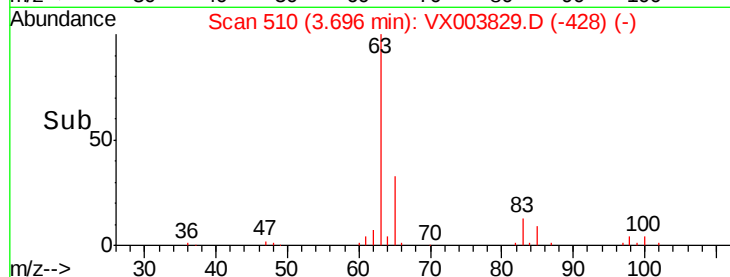
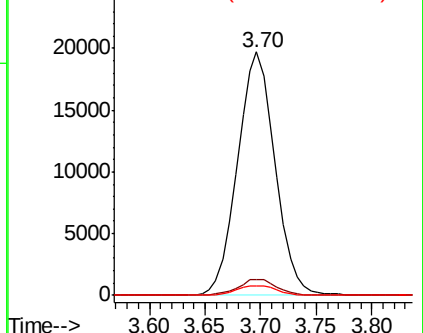
63 100

98 6.2 3.1 9.3

100 3.9 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: 19.54 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

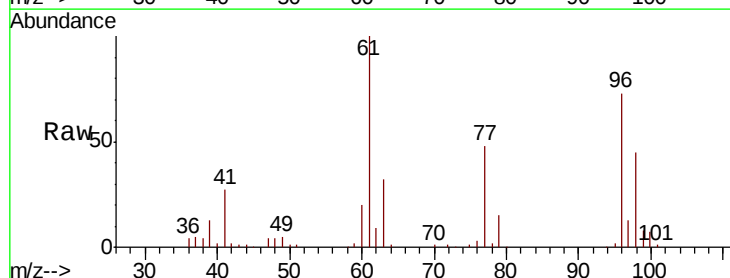
Tgt Ion: 96 Resp: 26511

Ion Ratio Lower Upper

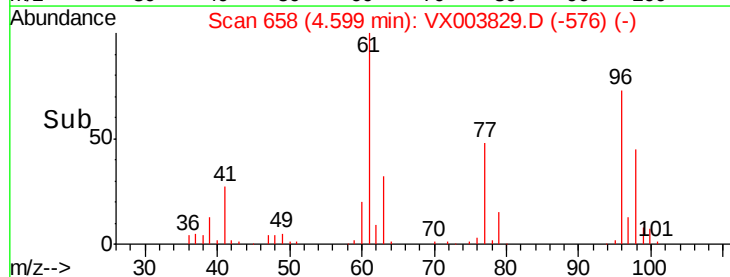
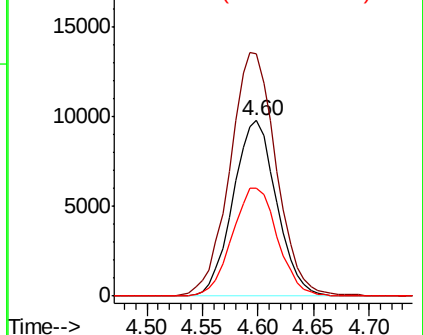
96 100

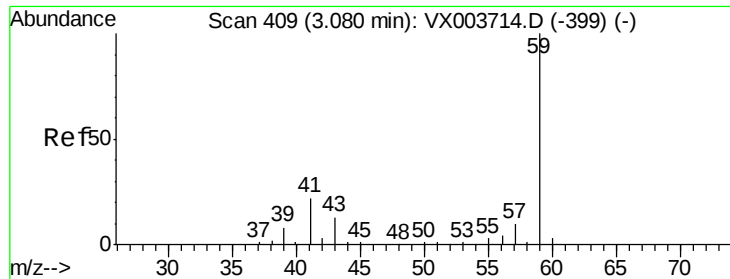
61 148.2 160.2 240.2#

98 64.1 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: 93.89 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

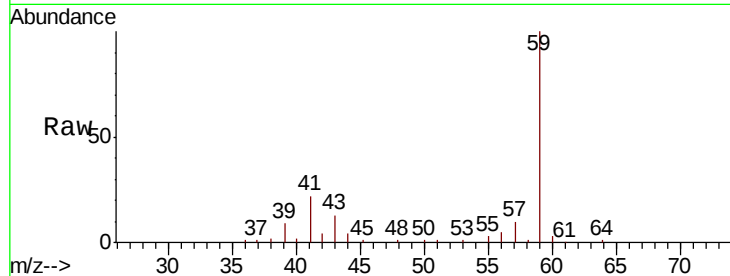
VSTDCCC020EC

Tot Ion: 59 Resp: 35737

Ion Ratio Lower Upper

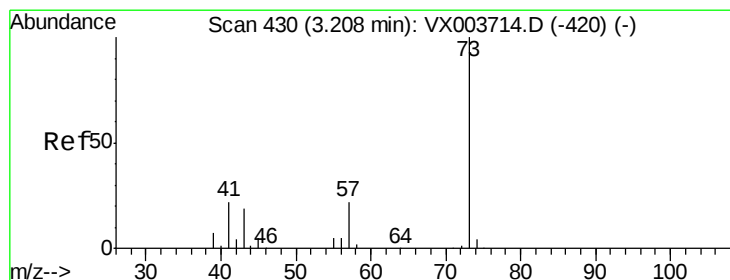
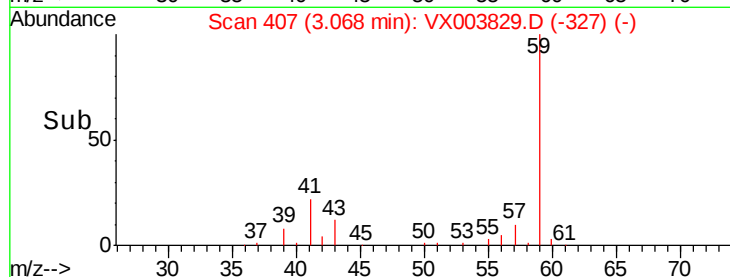
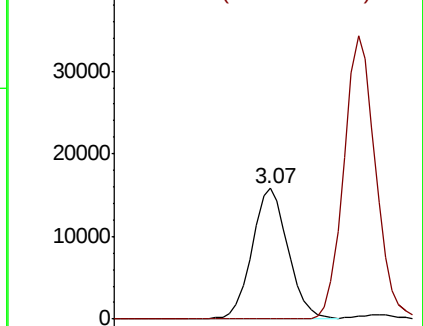
59 100

52 0.1 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 18.39 ug/l

RT: 3.20 min Scan# 429

Delta R.T. -0.01 min

Lab File: VX003829.D

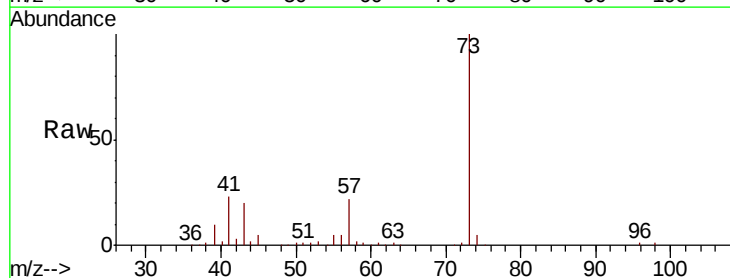
Acq: 02 Aug 2018 17:33

Tgt Ion: 73 Resp: 81959

Ion Ratio Lower Upper

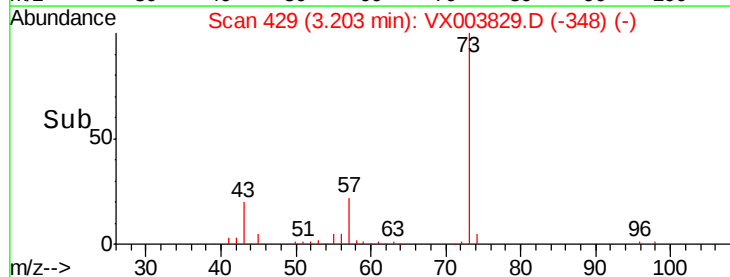
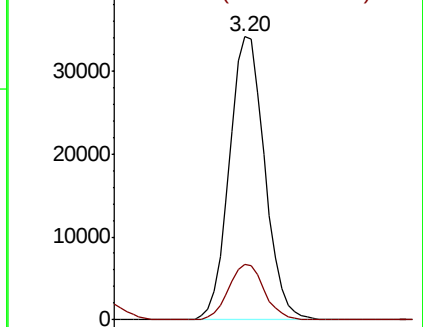
73 100

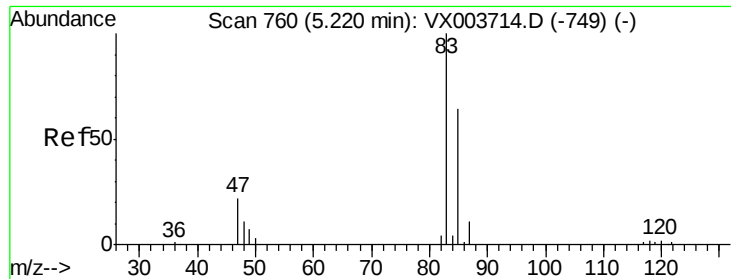
43 19.8 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

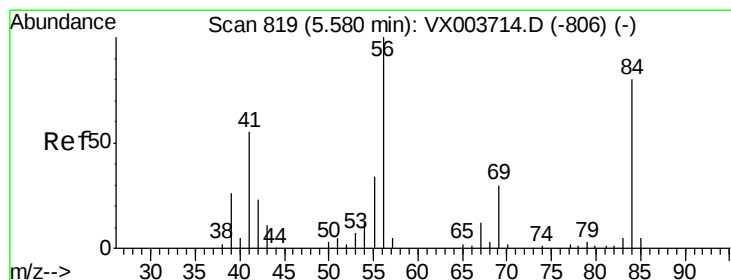
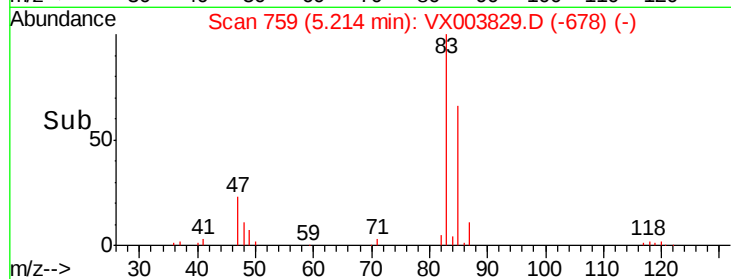
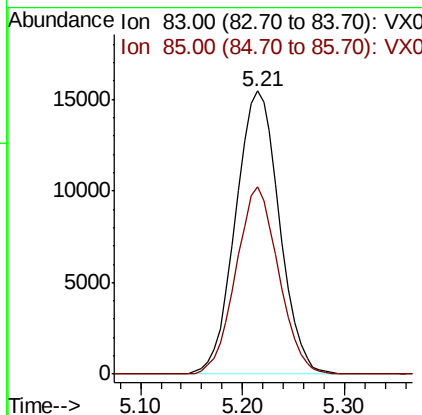
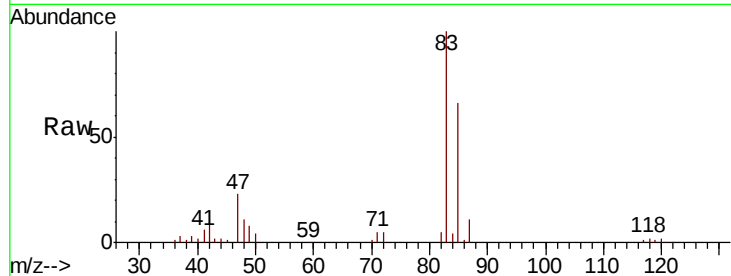




#25
Chloroform
Concen: 19.87 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

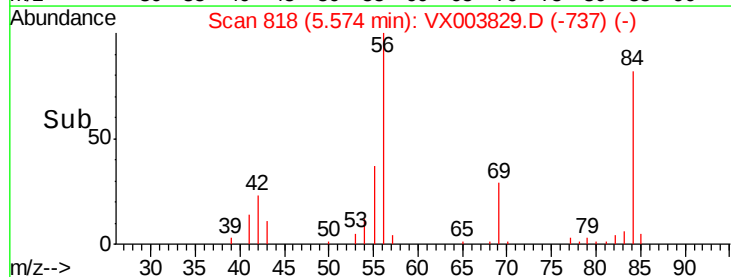
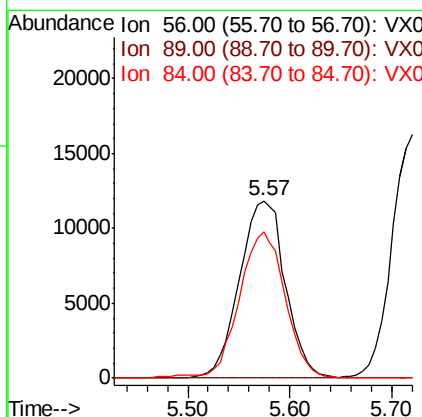
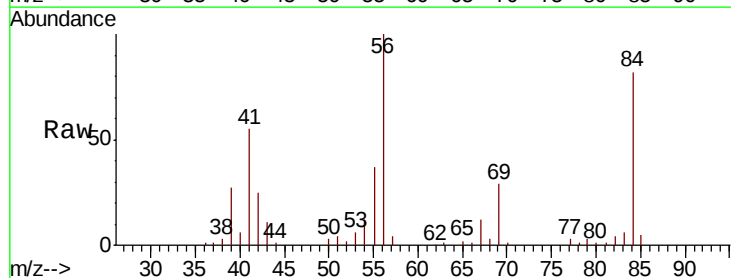
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

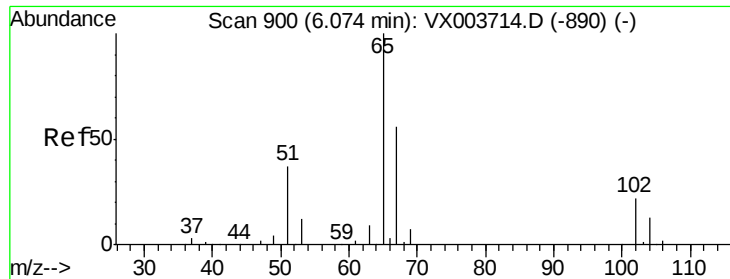
Tot Ion: 83 Resp: 46020
Ion Ratio Lower Upper
83 100
85 66.3 51.9 77.9



#26
Cyclohexane
Concen: 18.40 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 56 Resp: 36968
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 81.9 64.9 97.3





#27

1,2-Dichloroethane-d4

Concen: 29.20 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

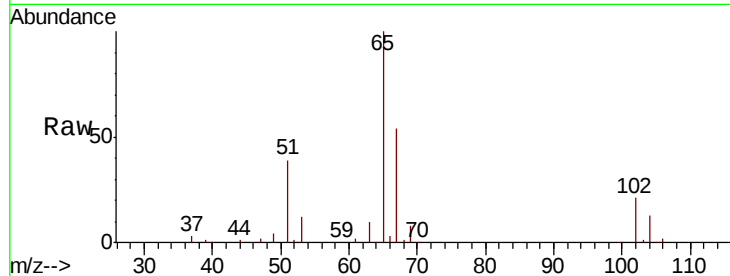
VSTDCCC020EC

Tot Ion: 65 Resp: 46474

Ion Ratio Lower Upper

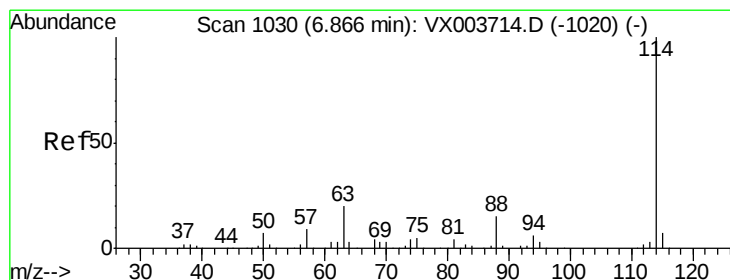
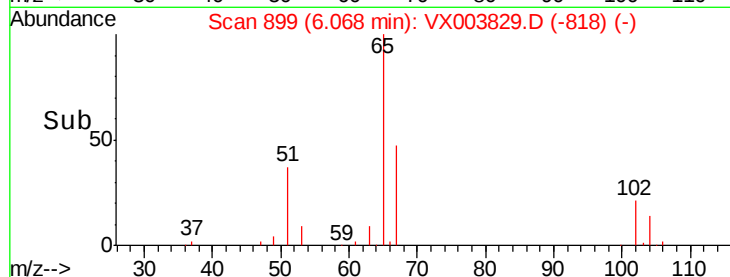
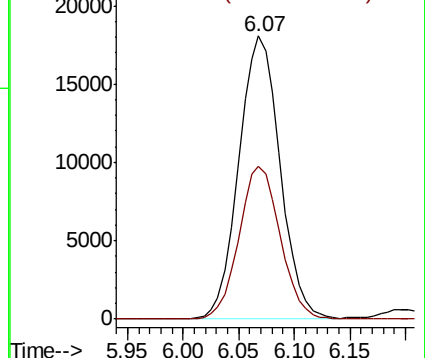
65 100

67 53.9 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

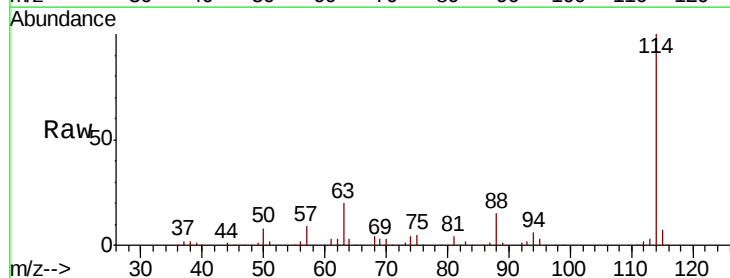
Tgt Ion: 114 Resp: 109959

Ion Ratio Lower Upper

114 100

63 20.3 17.1 25.7

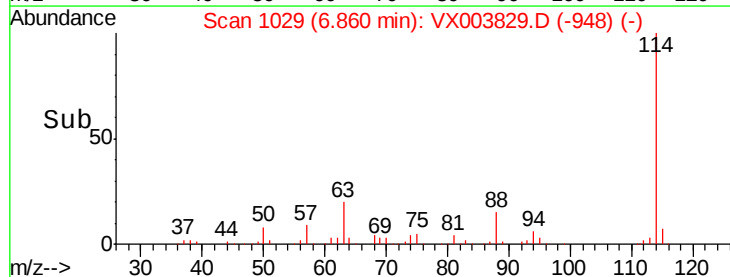
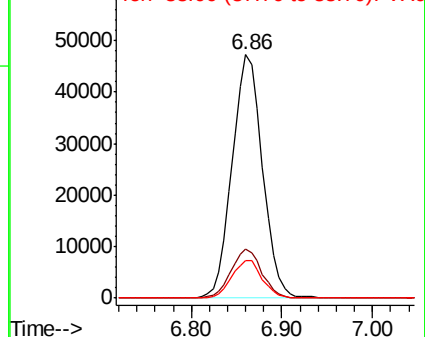
88 15.3 12.6 19.0

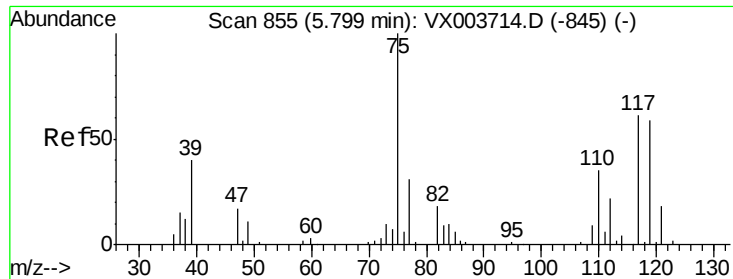


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 19.14 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

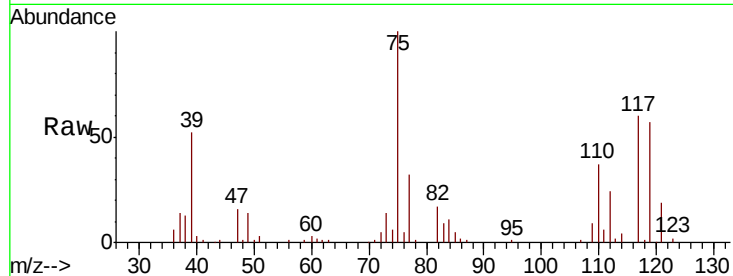
Tot Ion: 75 Resp: 31086

Ion Ratio Lower Upper

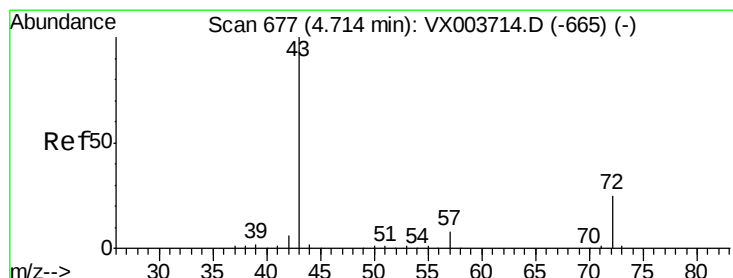
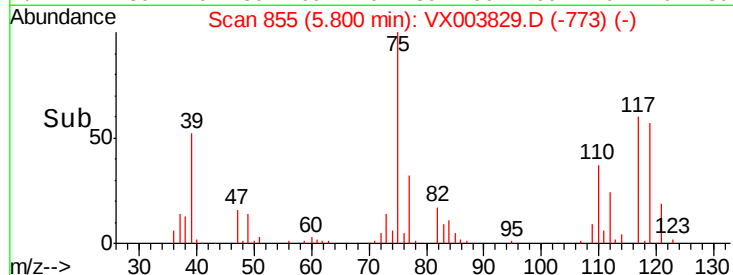
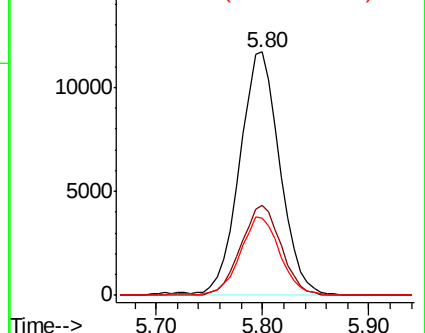
75 100

110 36.8 0.0 71.4

77 31.6 0.0 60.6



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 107.58 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

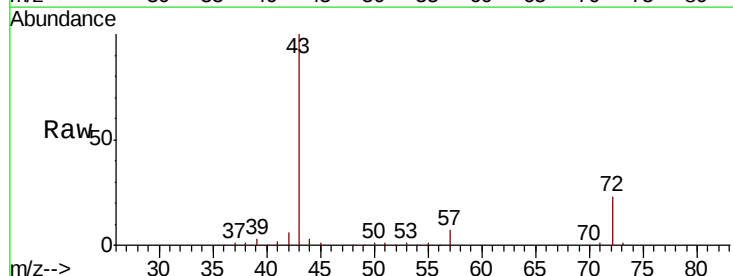
Tgt Ion: 43 Resp: 111552

Ion Ratio Lower Upper

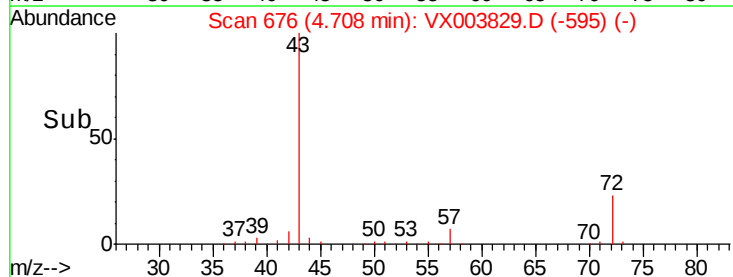
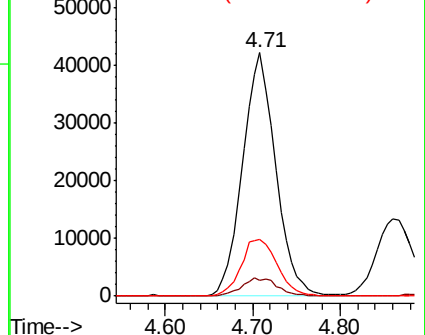
43 100

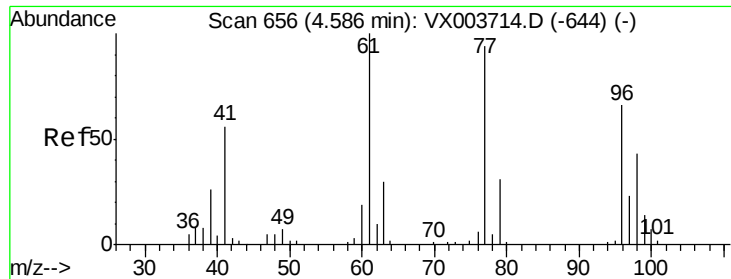
57 4.4 6.1 9.1#

72 25.4 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

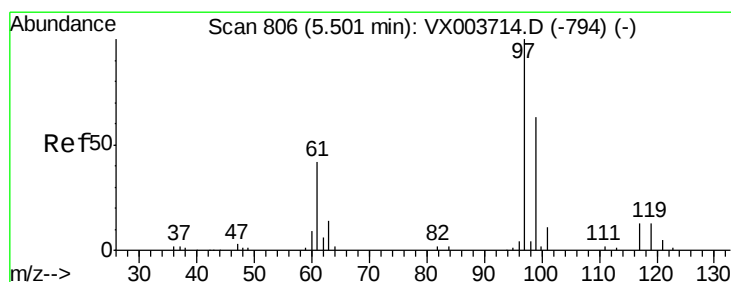
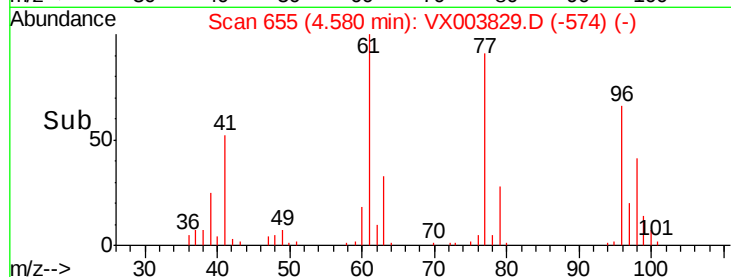
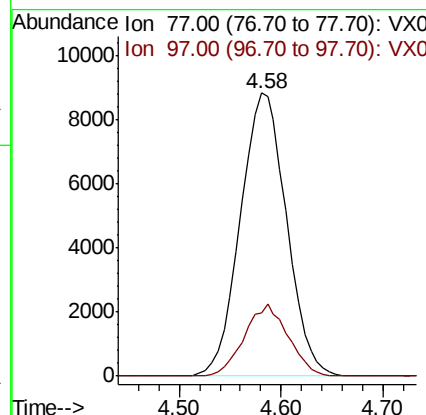
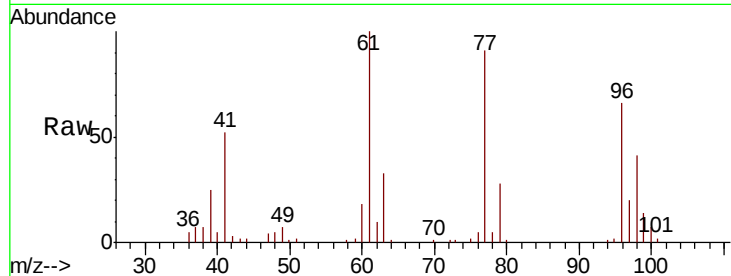




#31
 2,2-Dichloropropane
 Concen: 17.64 ug/l
 RT: 4.58 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

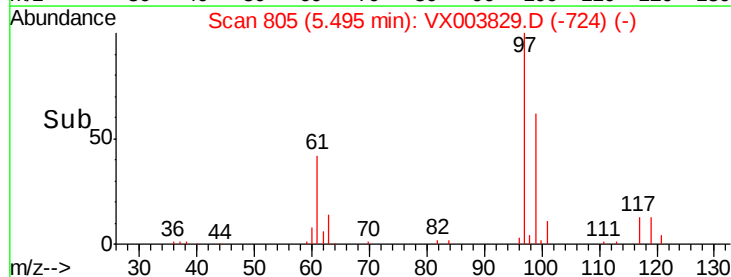
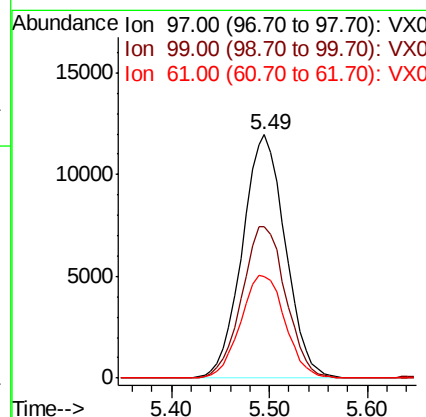
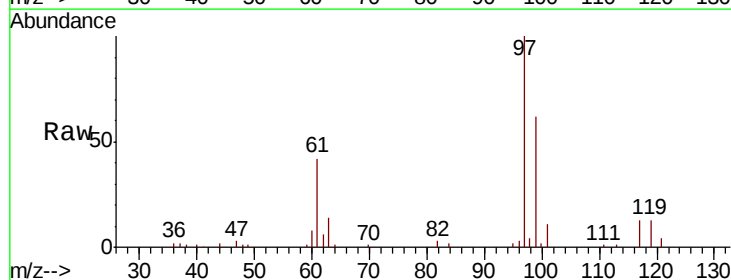
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

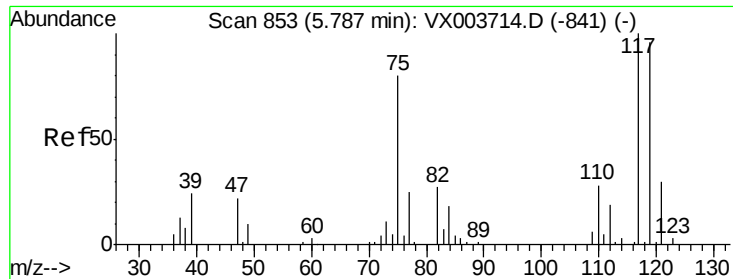
Tot Ion: 77 Resp: 27749
 Ion Ratio Lower Upper
 77 100
 97 24.1 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.62 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion: 97 Resp: 36444
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.7 77.5
 61 43.6 36.4 54.6

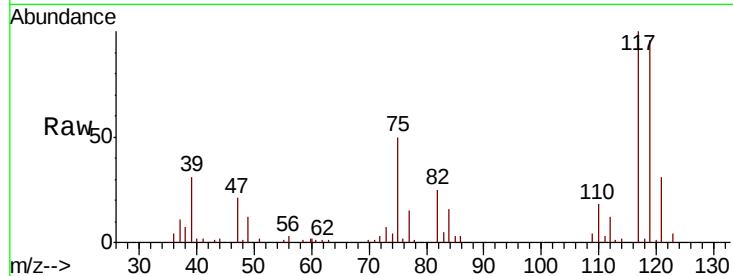




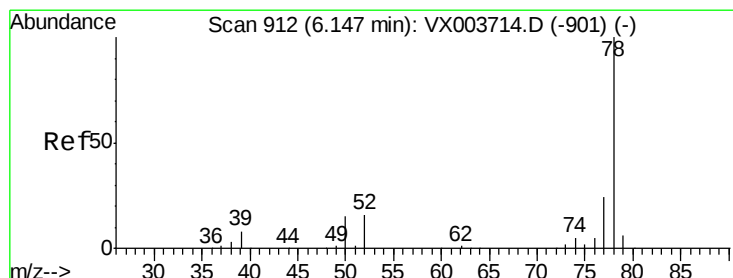
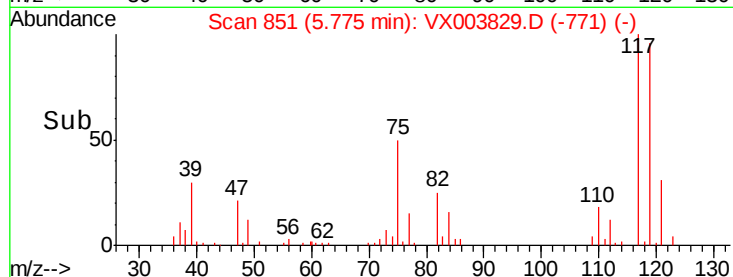
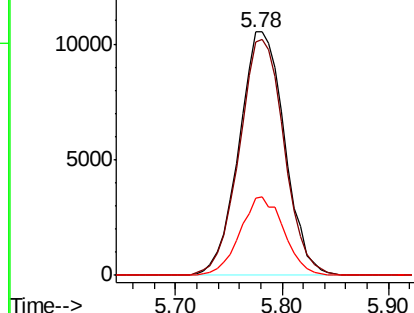
#33
Carbon Tetrachloride
Concen: 19.56 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 31576
Ion Ratio Lower Upper
117 100
119 95.6 73.3 109.9
121 31.5 23.6 35.4

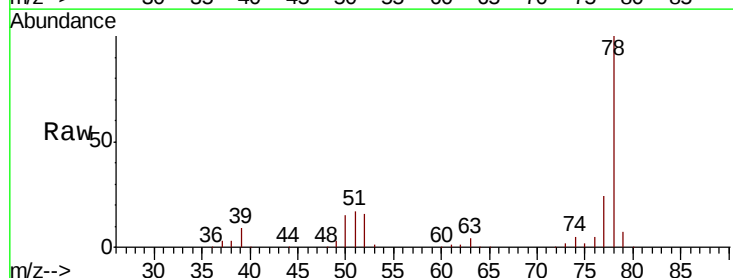


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

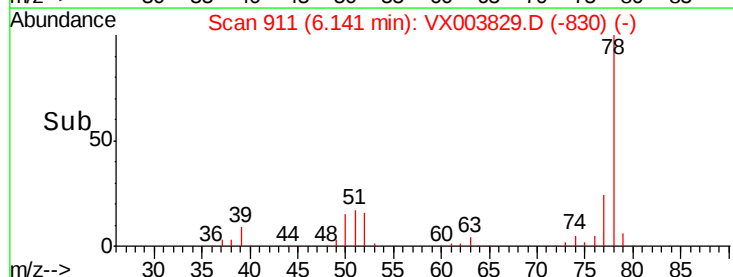
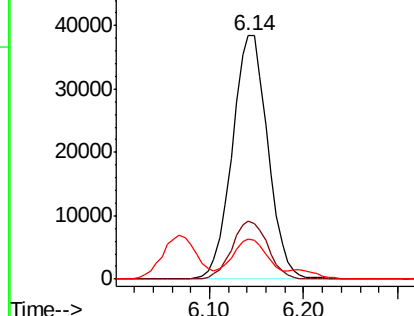


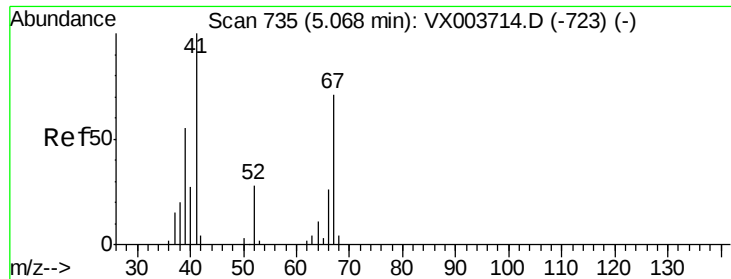
#34
Benzene
Concen: 20.30 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 78 Resp: 101249
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0
51 16.3 13.8 20.6



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

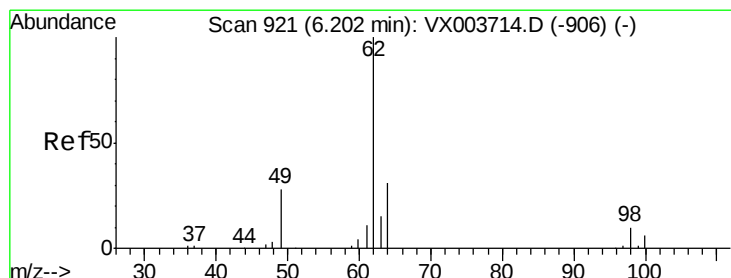
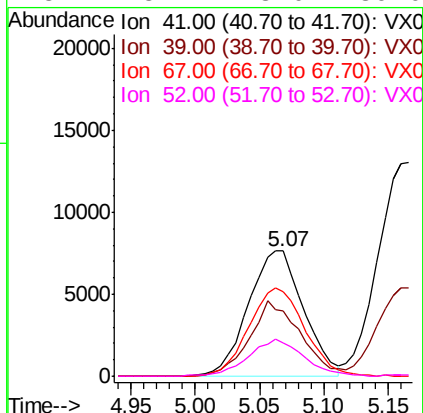
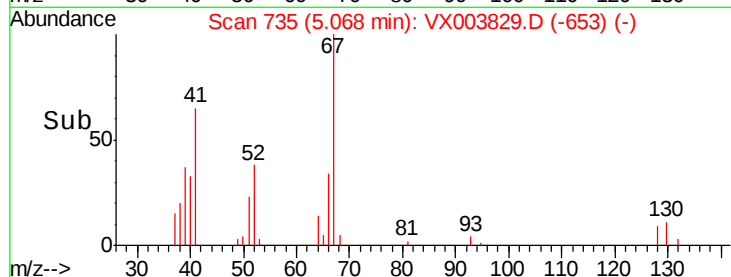
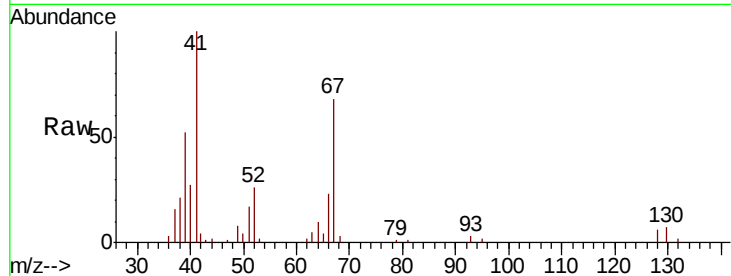




#35
Methacrylonitrile
Concen: 21.11 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

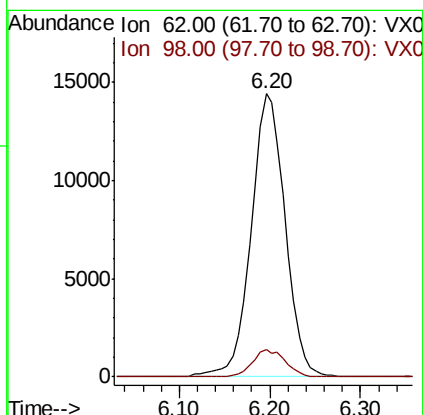
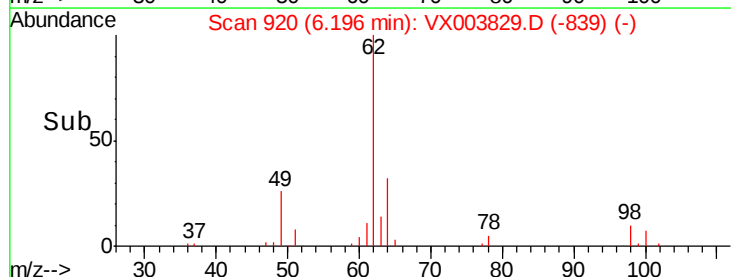
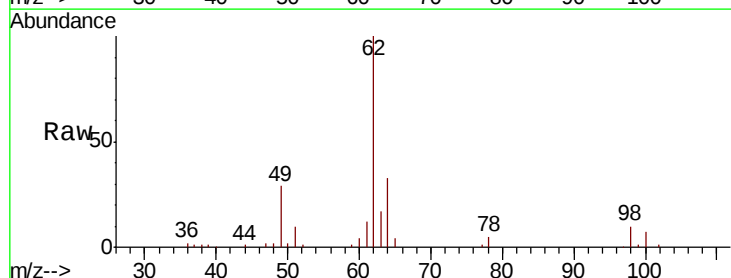
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

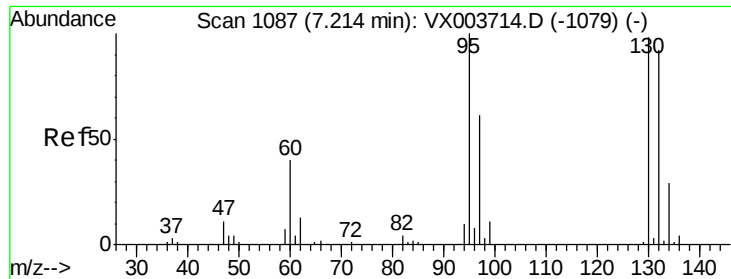
Tot Ion:	41	Resp:	22752
Ion	Ratio	Lower	Upper
41	100		
39	52.0	28.8	86.5
67	67.8	30.4	91.2
52	25.2	13.0	39.0



#36
1,2-Dichloroethane
Concen: 20.84 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion:	62	Resp:	37372
Ion	Ratio	Lower	Upper
62	100		
98	9.3	6.5	9.7

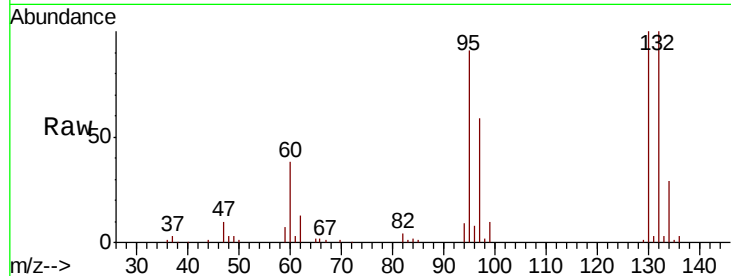




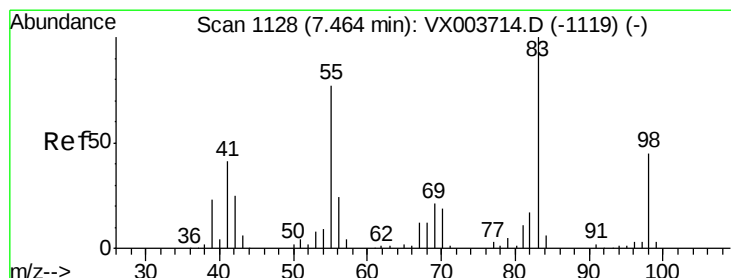
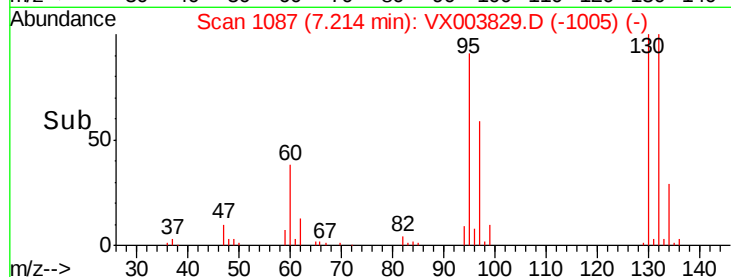
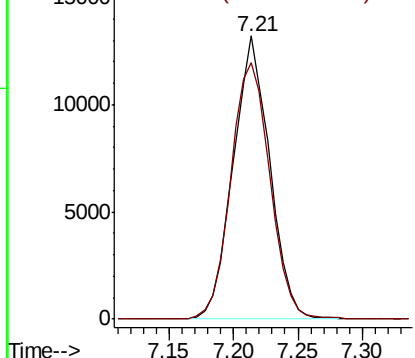
#37
 Trichloroethene
 Concen: 20.00 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 26009
 Ion Ratio Lower Upper
 130 100
 95 90.8 81.5 122.3

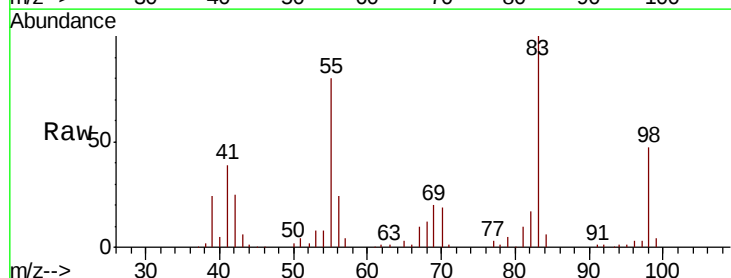


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

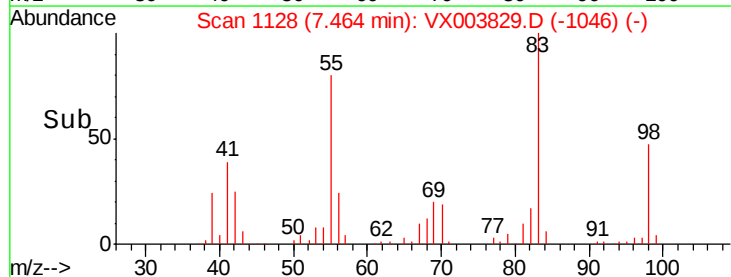
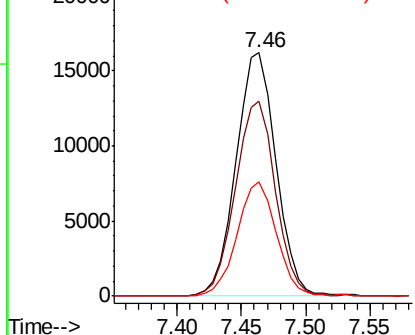


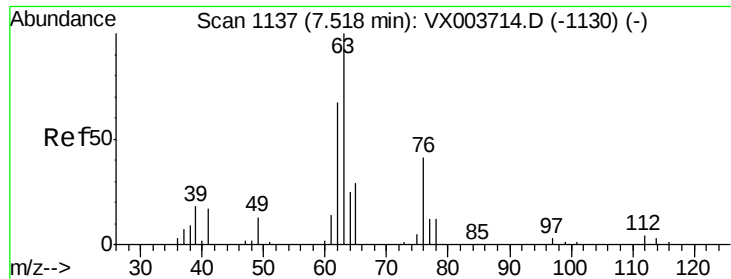
#38
 Methylcyclohexane
 Concen: 18.94 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion: 83 Resp: 34953
 Ion Ratio Lower Upper
 83 100
 55 79.9 40.6 121.8
 98 46.1 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

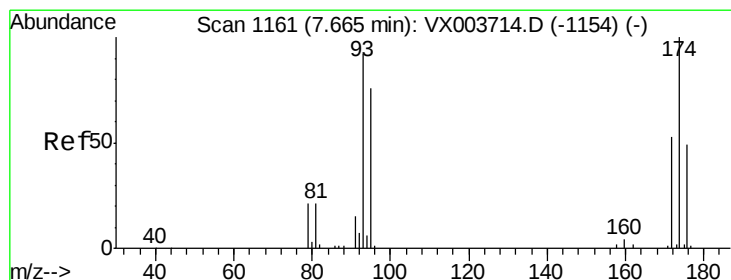
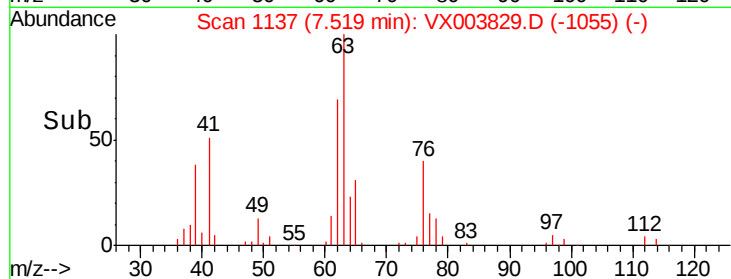
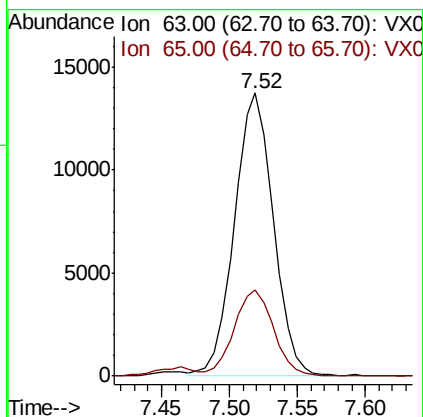
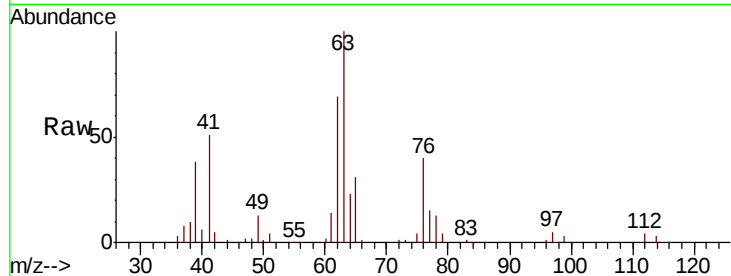




#39
 1,2-Dichloropropane
 Concen: 20.84 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

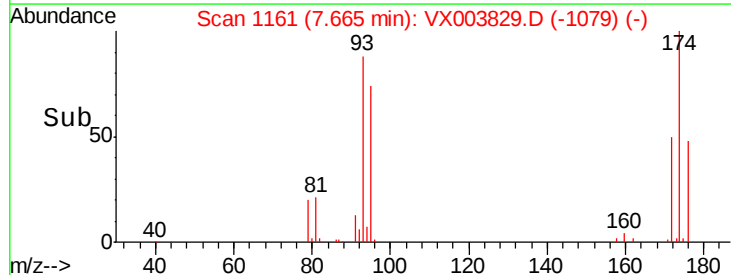
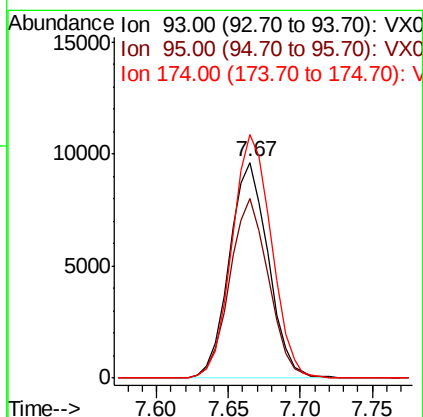
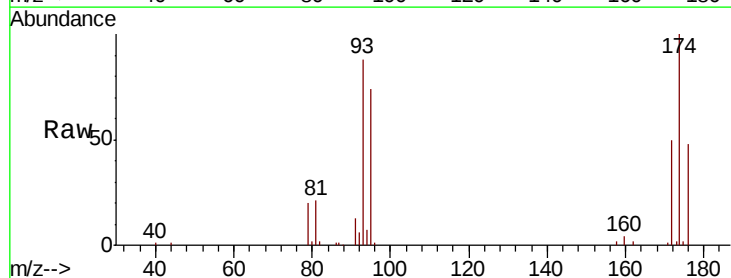
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

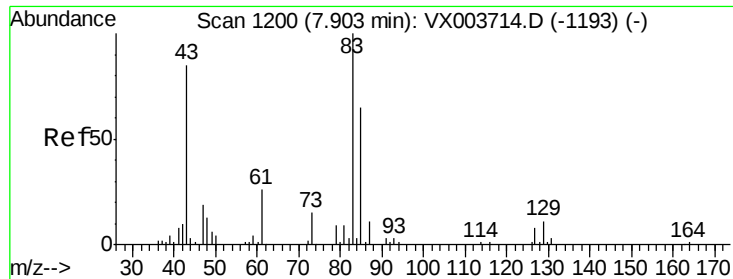
Tot Ion: 63 Resp: 27470
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.3 34.9



#40
 Dibromomethane
 Concen: 21.27 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion: 93 Resp: 18150
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 162.6
 174 114.0 0.0 229.4





#41

Bromodichloromethane

Concen: 20.31 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

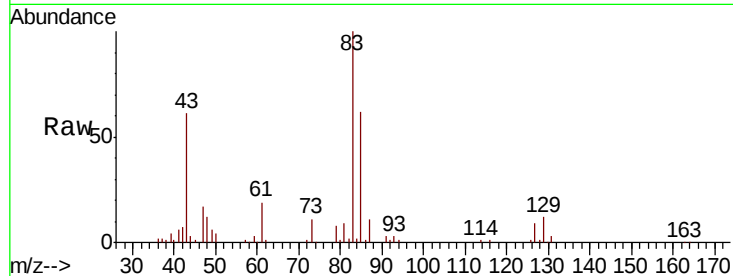
Tot Ion: 83 Resp: 33106

Ion Ratio Lower Upper

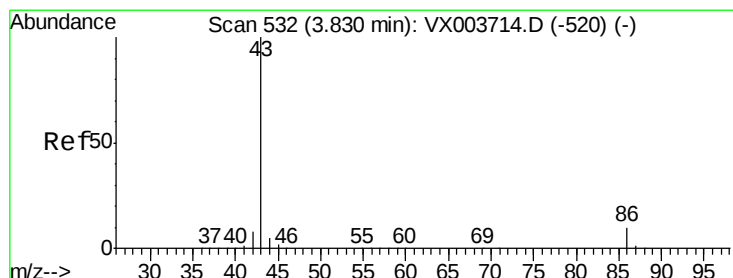
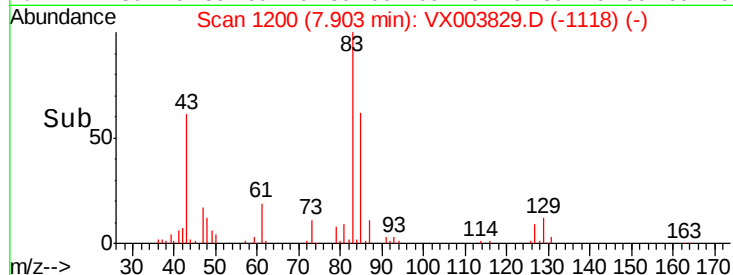
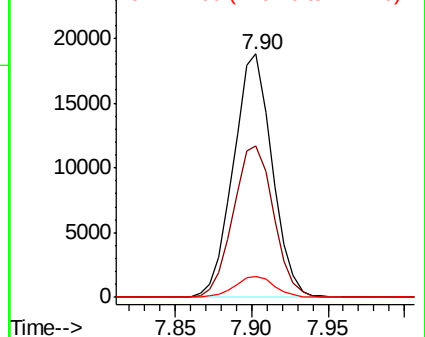
83 100

85 62.3 49.8 74.8

127 8.7 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: 88.08 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003829.D

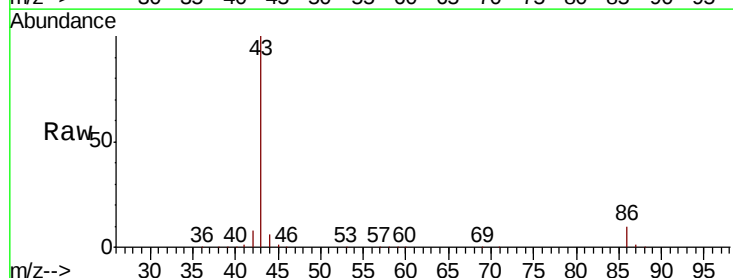
Acq: 02 Aug 2018 17:33

Tgt Ion: 43 Resp: 350958

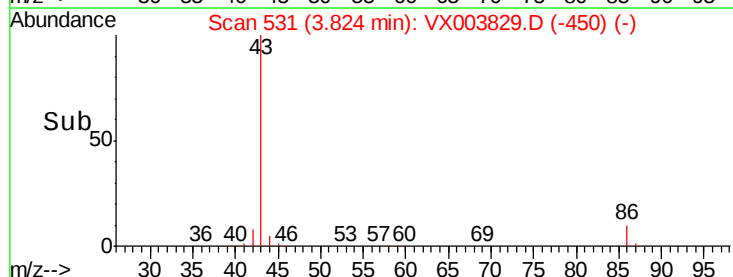
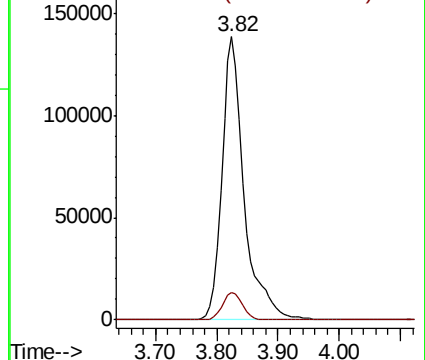
Ion Ratio Lower Upper

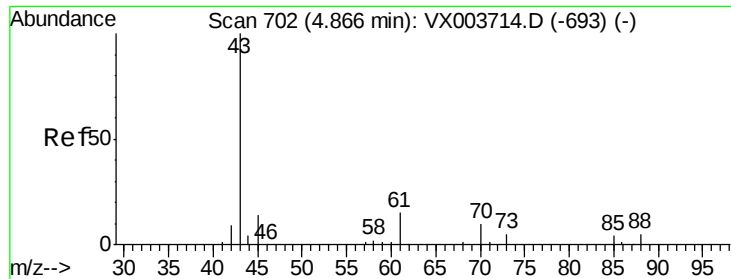
43 100

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: 20.89 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

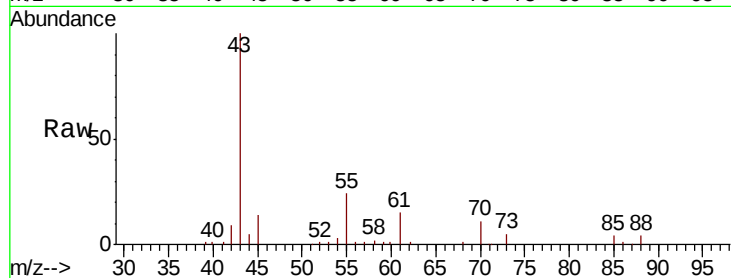
VSTDCCC020EC

Tot Ion: 43 Resp: 40456

Ion Ratio Lower Upper

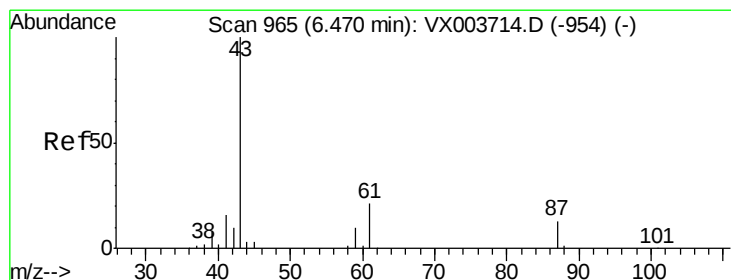
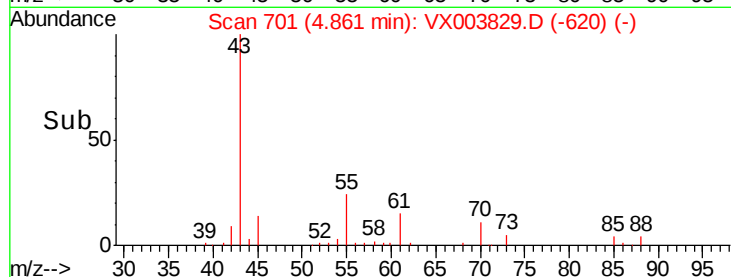
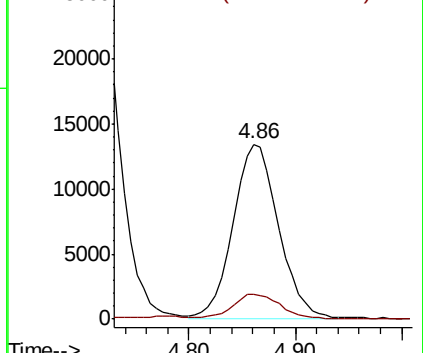
43 100

45 15.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 20.70 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003829.D

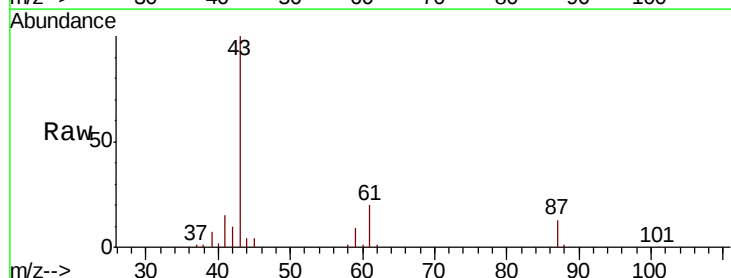
Acq: 02 Aug 2018 17:33

Tgt Ion: 43 Resp: 61490

Ion Ratio Lower Upper

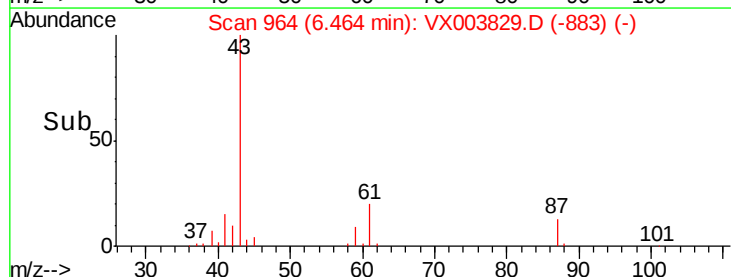
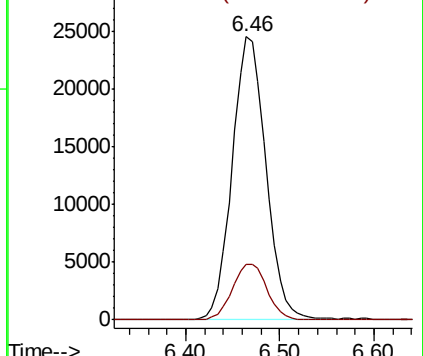
43 100

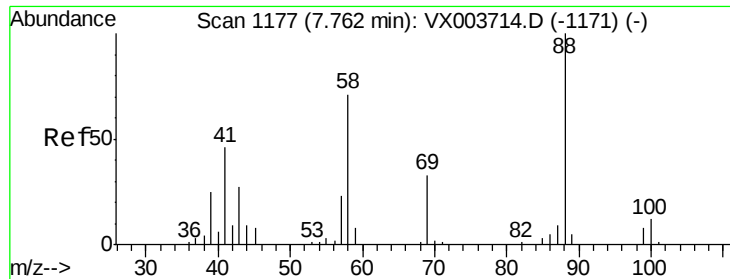
61 20.1 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

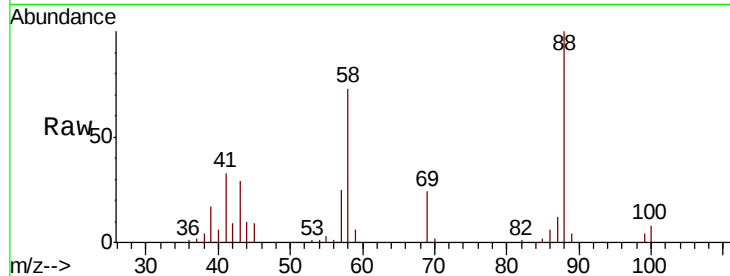




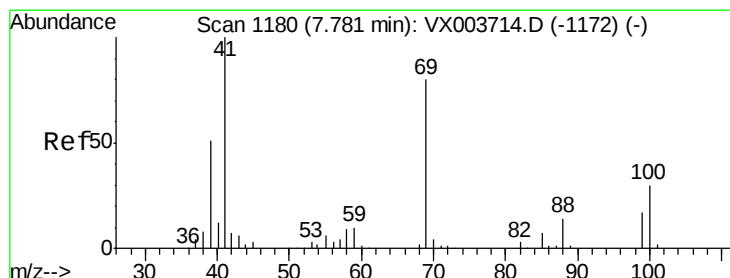
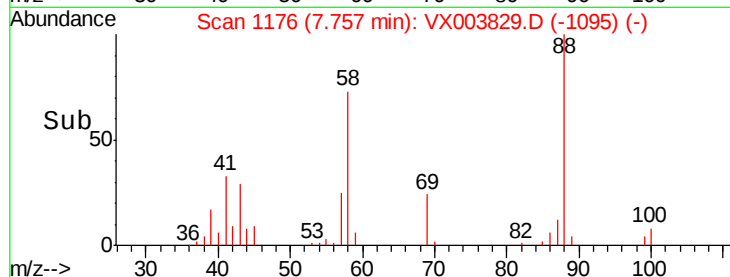
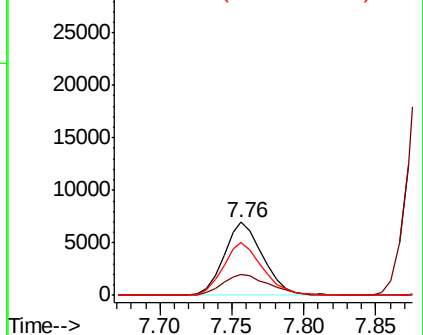
#45
1,4-Dioxane
Concen: 396.84 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 88 Resp: 13093
Ion Ratio Lower Upper
88 100
43 34.3 43.2 64.8#
58 73.1 60.2 90.2

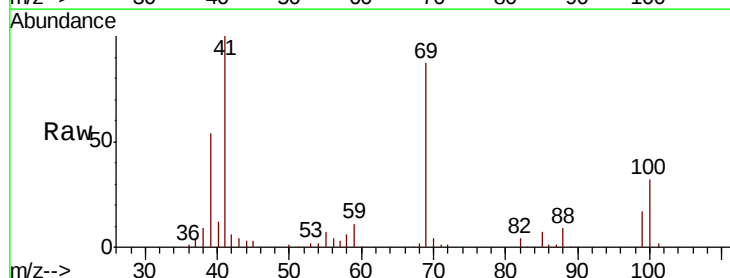


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

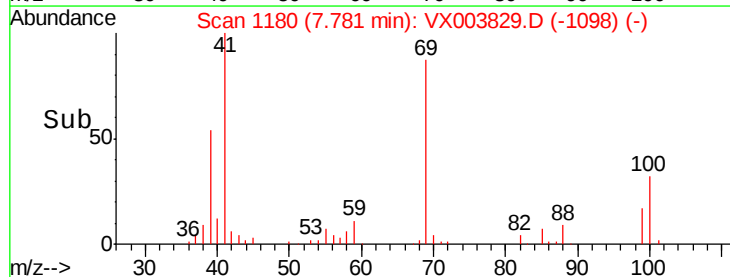
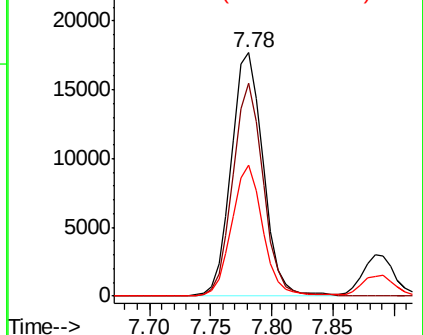


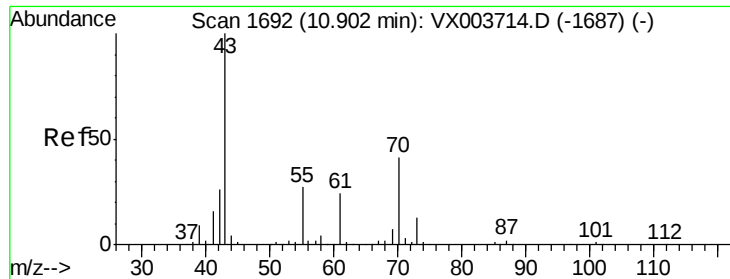
#46
Methyl methacrylate
Concen: 20.92 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 41 Resp: 32058
Ion Ratio Lower Upper
41 100
69 87.4 37.0 110.9
39 53.7 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: 18.70 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

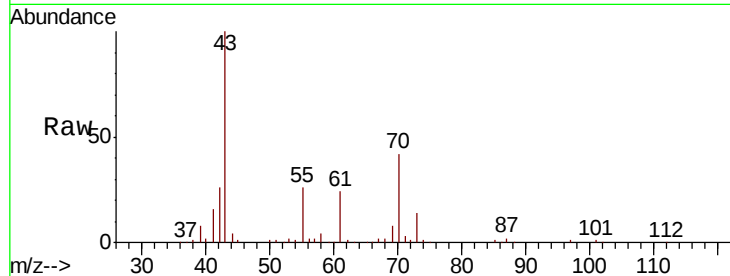
VSTDCCC020EC

Tot Ion: 43 Resp: 52444

Ion Ratio Lower Upper

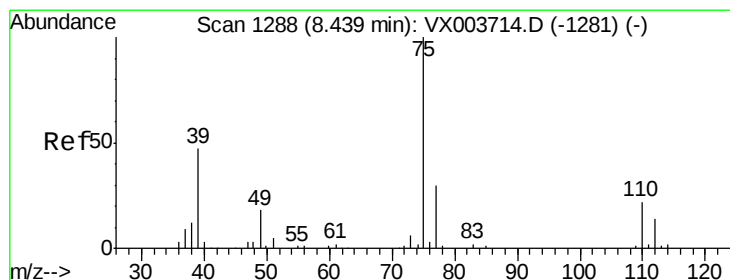
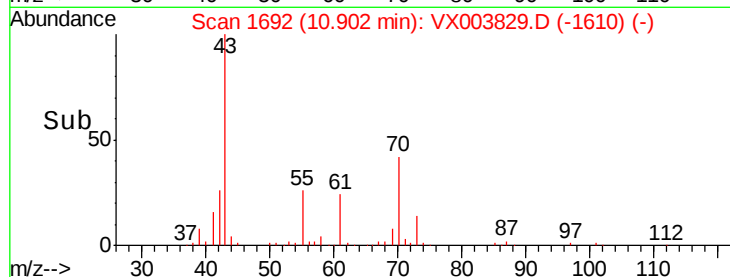
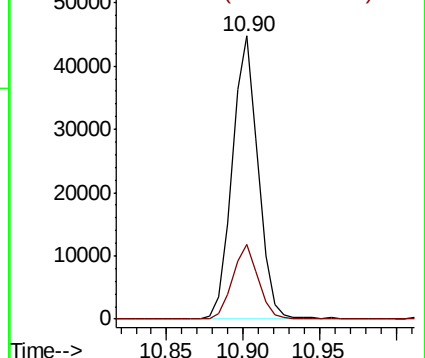
43 100

55 26.1 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 20.09 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003829.D

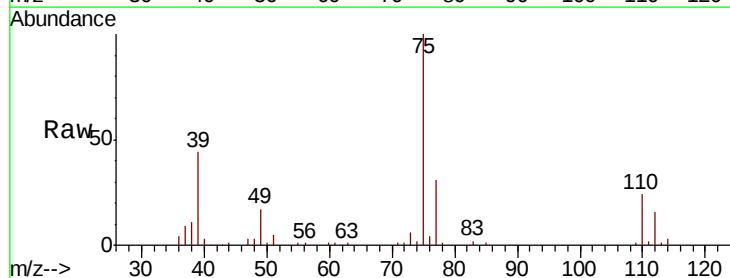
Acq: 02 Aug 2018 17:33

Tgt Ion: 75 Resp: 39732

Ion Ratio Lower Upper

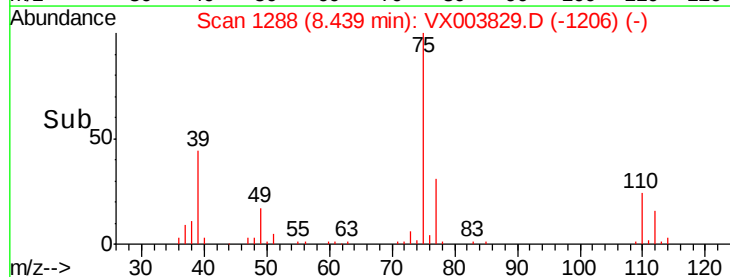
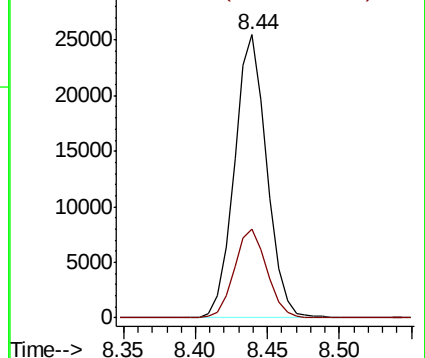
75 100

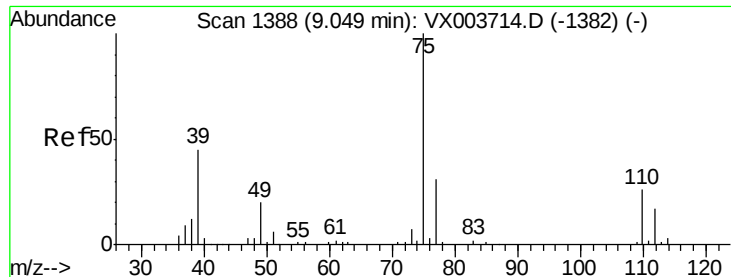
77 31.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

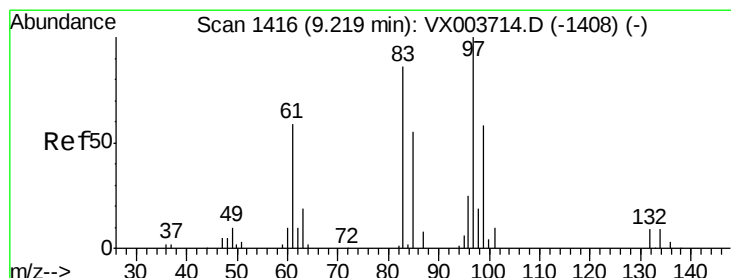
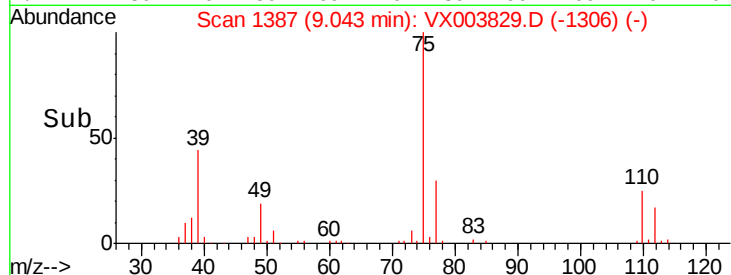
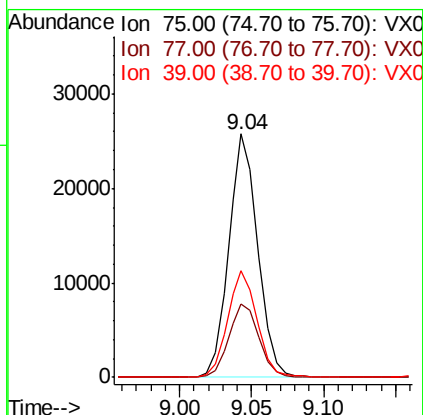
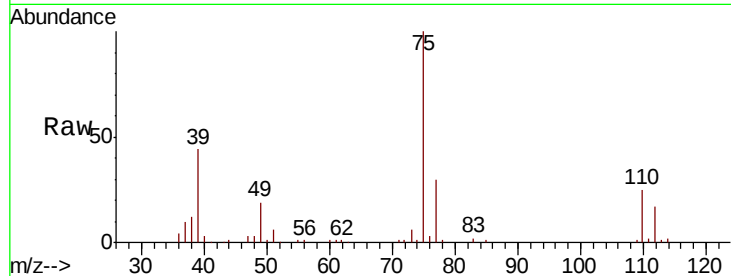




#49
 cis-1,3-Dichloropropene
 Concen: 19.58 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

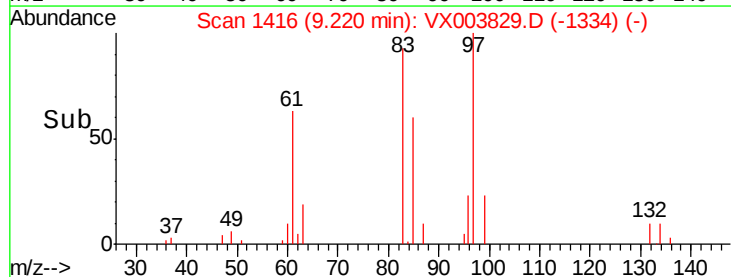
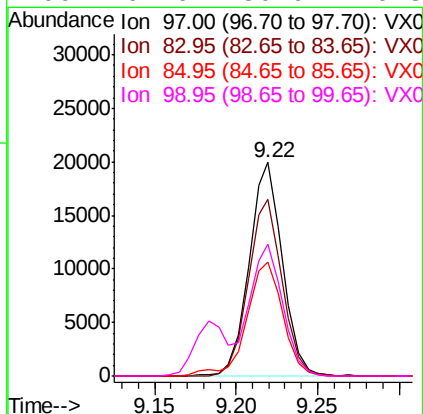
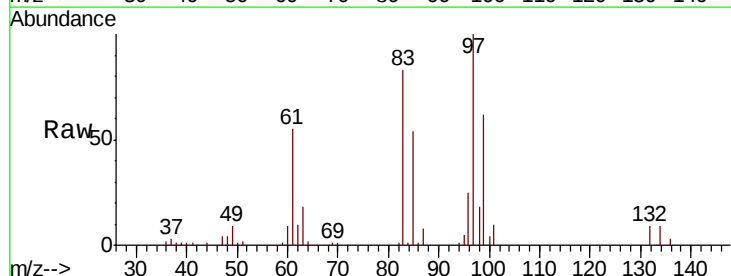
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

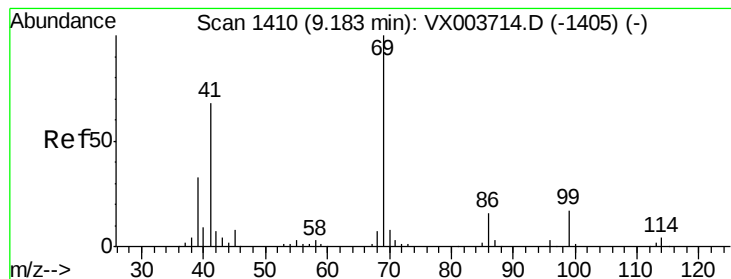
Tot Ion: 75 Resp: 36328
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.4 38.2
 39 44.0 42.3 63.5



#50
 1,1,2-Trichloroethane
 Concen: 20.79 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion: 97 Resp: 28156
 Ion Ratio Lower Upper
 97 100
 83 82.8 70.8 106.2
 85 53.6 43.5 65.3
 99 61.6 50.9 76.3





#51

Ethyl methacrylate

Concen: 19.04 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

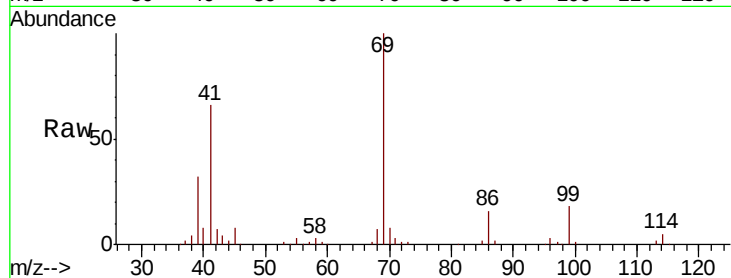
Tot Ion: 69 Resp: 38828

Ion Ratio Lower Upper

69 100

41 65.9 39.1 117.3

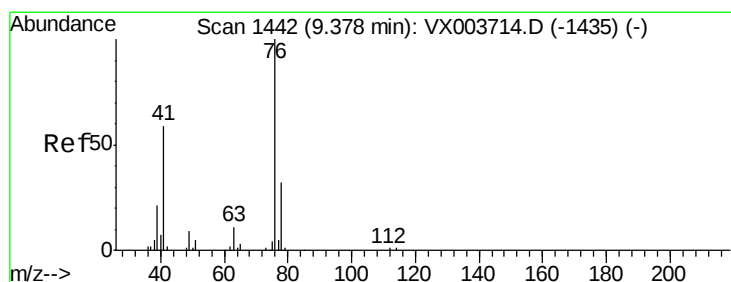
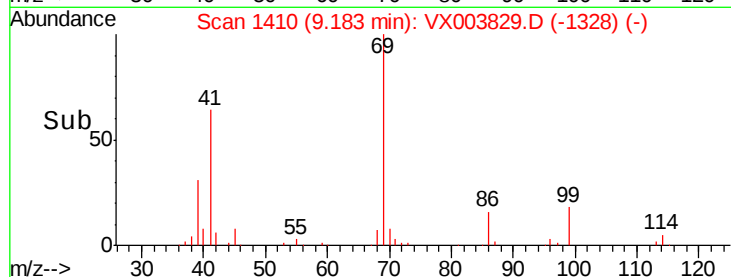
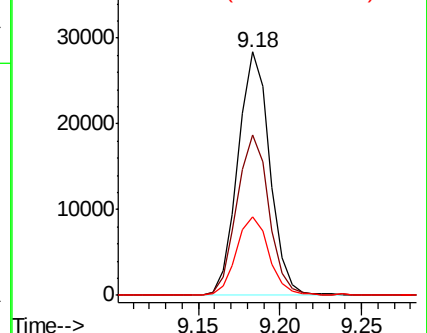
39 32.4 21.7 65.1



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: 20.27 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003829.D

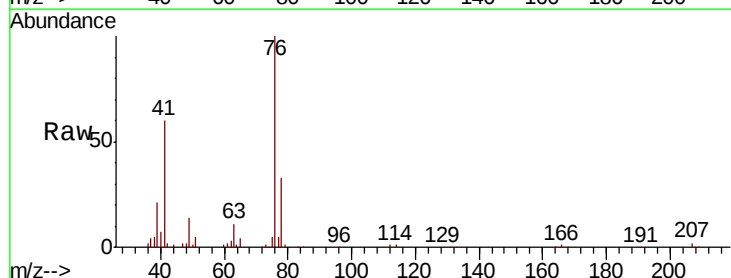
Acq: 02 Aug 2018 17:33

Tgt Ion: 76 Resp: 45684

Ion Ratio Lower Upper

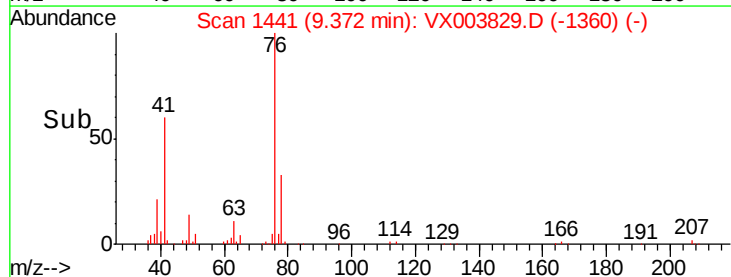
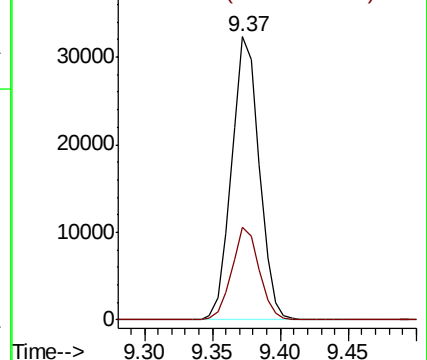
76 100

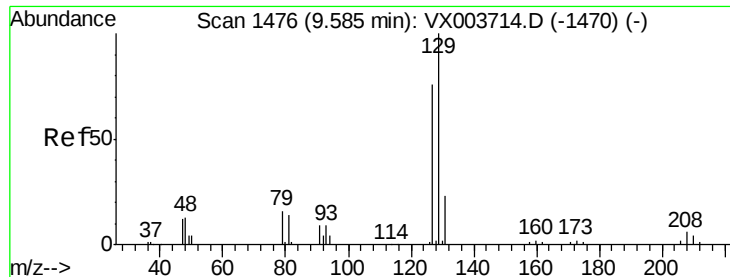
78 32.1 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 20.11 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

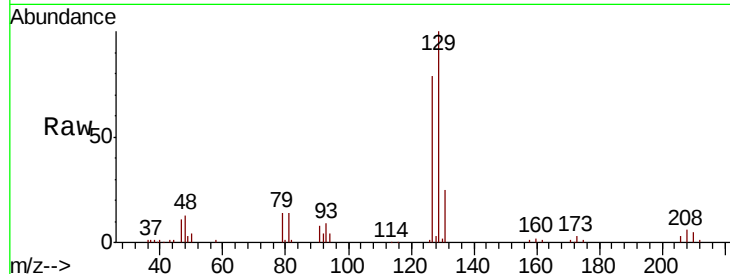
VSTDCCC020EC

Tot Ion:129 Resp: 26759

Ion Ratio Lower Upper

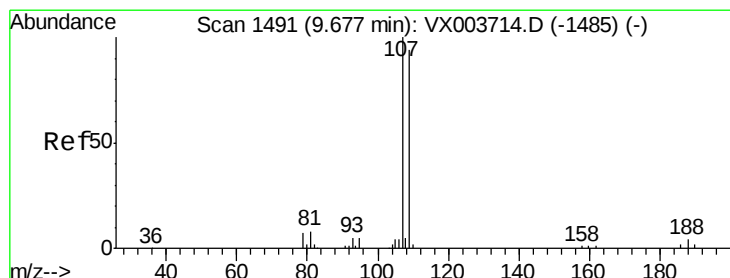
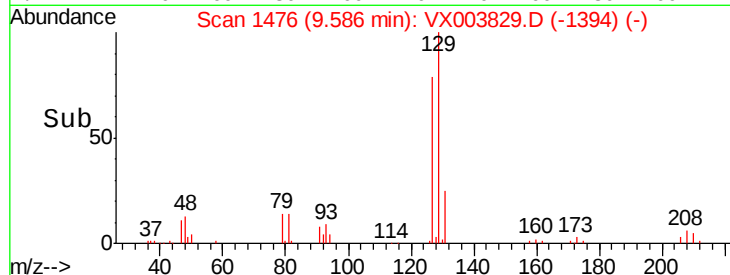
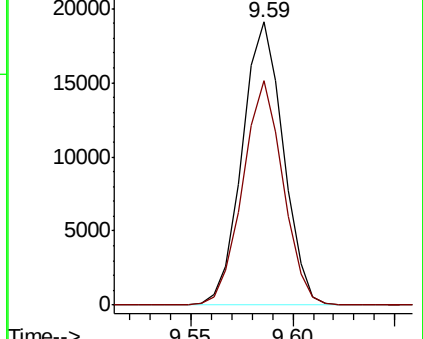
129 100

127 77.8 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: 20.40 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003829.D

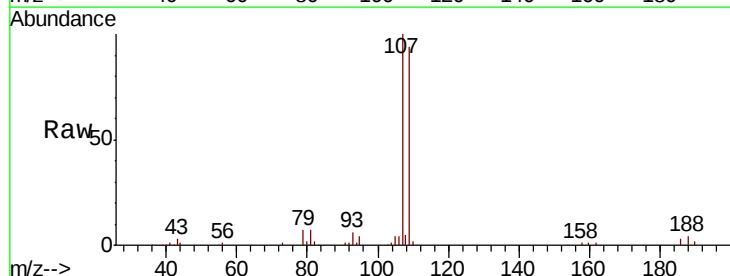
Acq: 02 Aug 2018 17:33

Tgt Ion:107 Resp: 28896

Ion Ratio Lower Upper

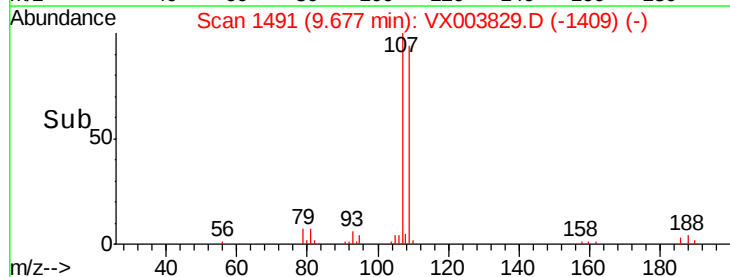
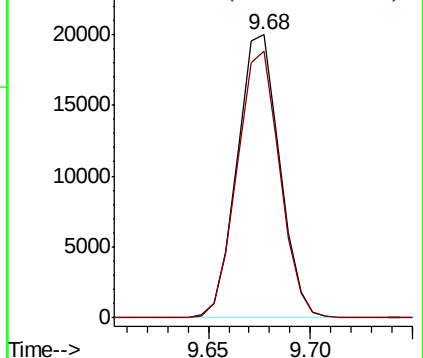
107 100

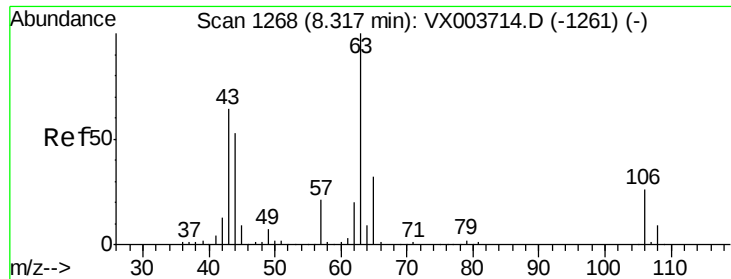
109 94.8 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

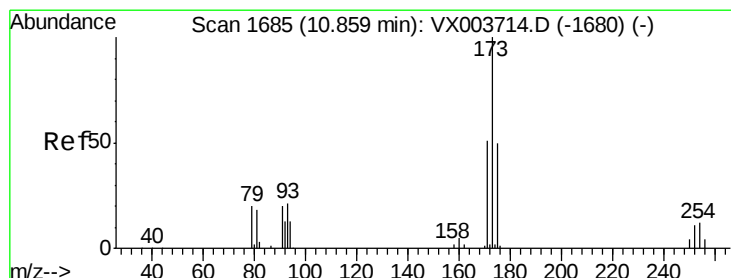
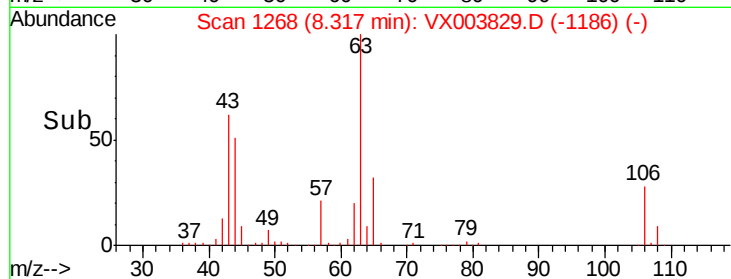
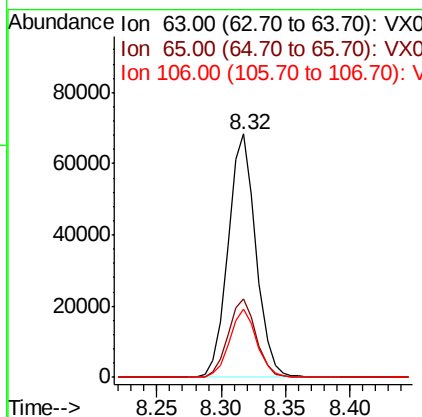
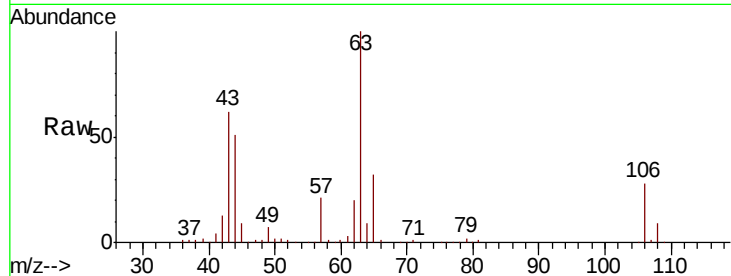




#55
2-Chloroethyl vinyl ether
Concen: 98.16 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

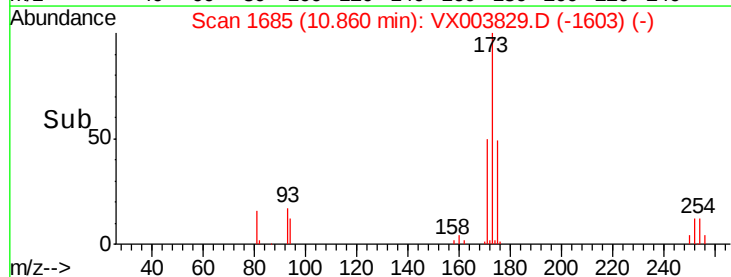
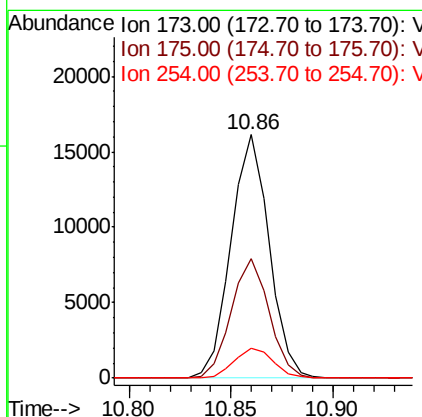
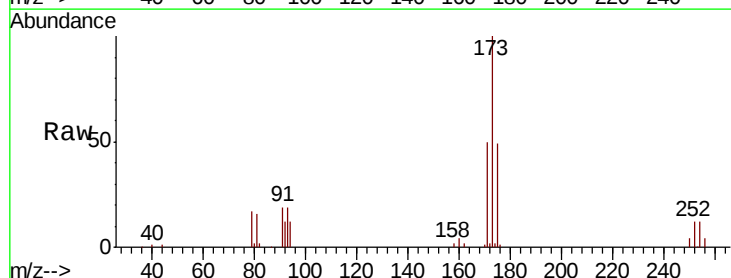
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

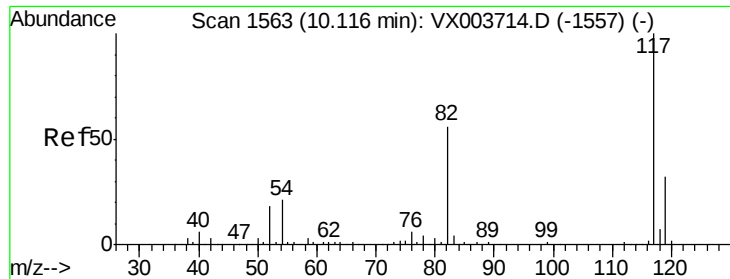
Tot Ion: 63 Resp: 103246
Ion Ratio Lower Upper
63 100
65 32.2 25.6 38.4
106 27.4 21.6 32.4



#56
Bromoform
Concen: 20.22 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 173 Resp: 20873
Ion Ratio Lower Upper
173 100
175 49.2 39.0 58.4
254 12.6 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: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

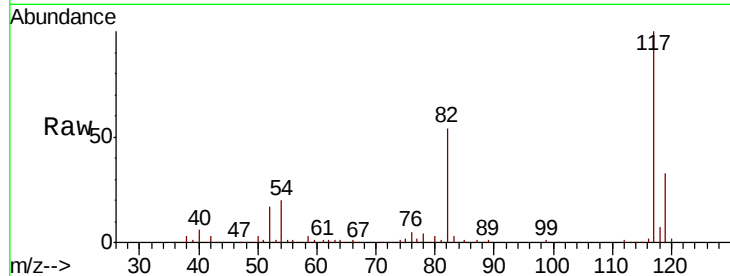
Tot Ion:117 Resp: 104995

Ion Ratio Lower Upper

117 100

82 54.1 44.3 66.5

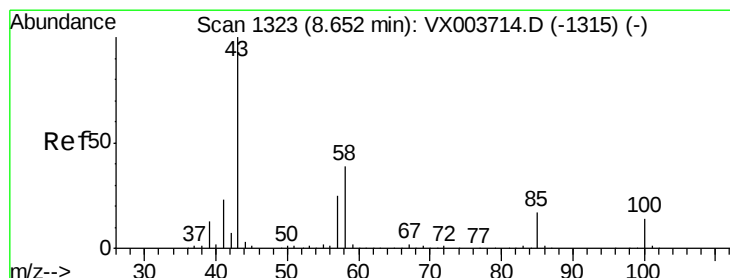
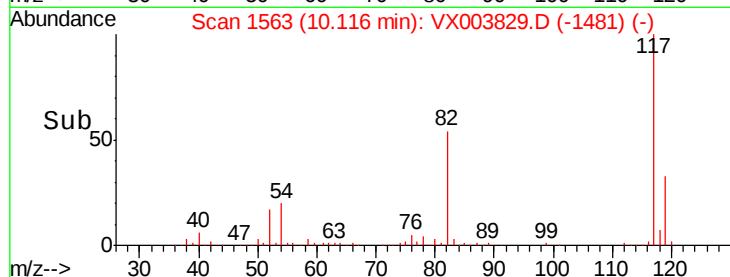
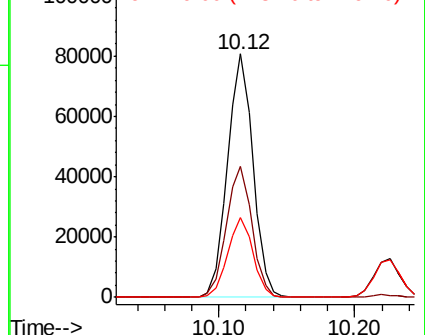
119 32.3 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 106.55 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

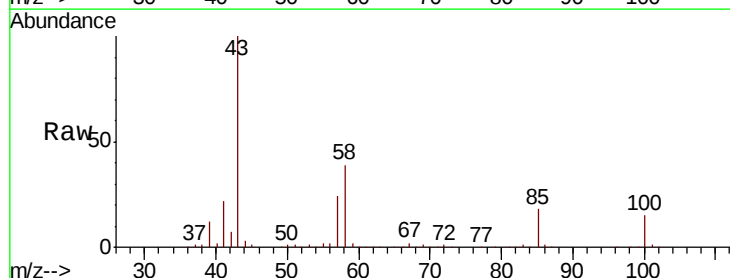
Tgt Ion: 43 Resp: 211247

Ion Ratio Lower Upper

43 100

58 39.2 28.2 42.4

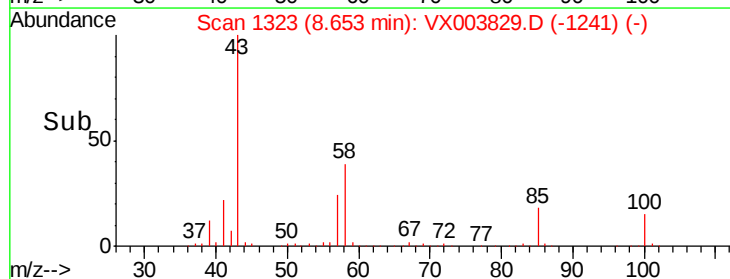
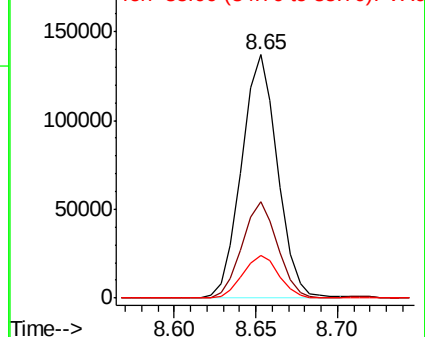
85 17.5 12.4 18.6

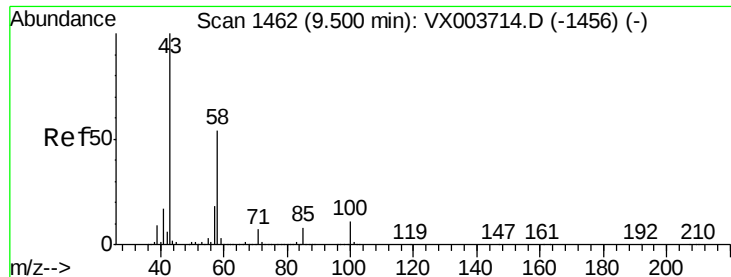


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

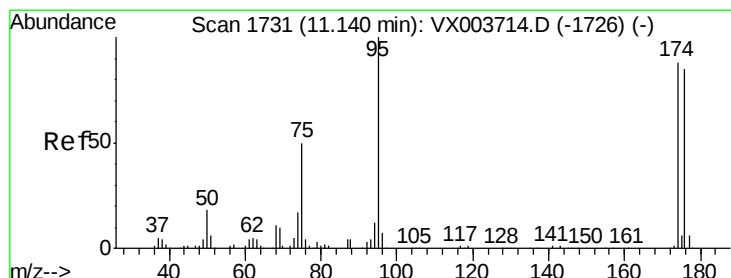
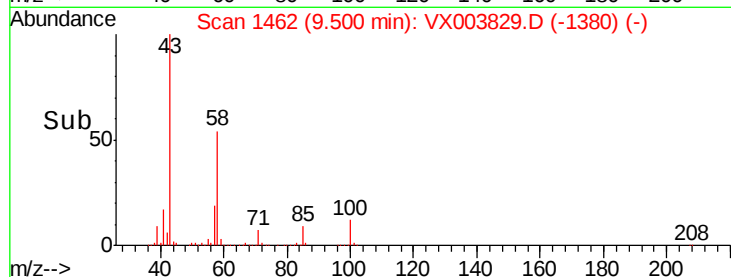
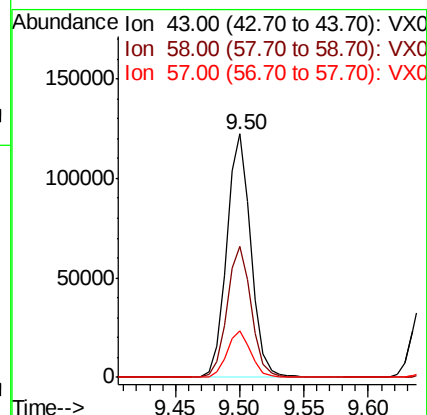
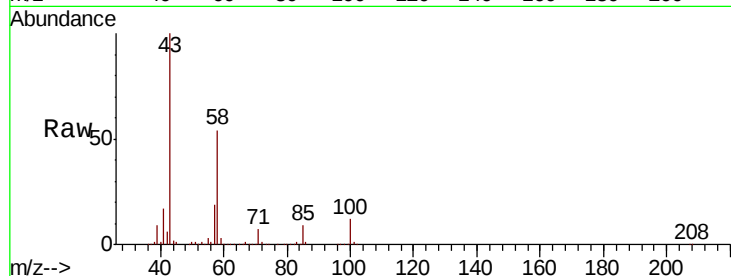




#59
2-Hexanone
Concen: 102.79 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

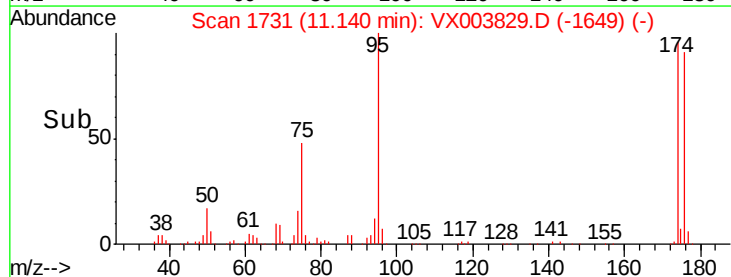
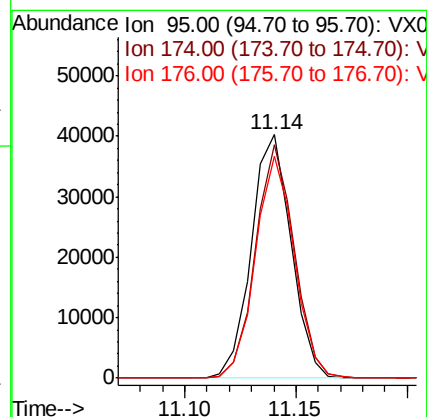
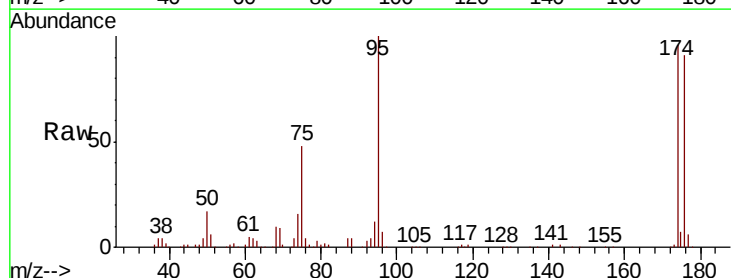
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

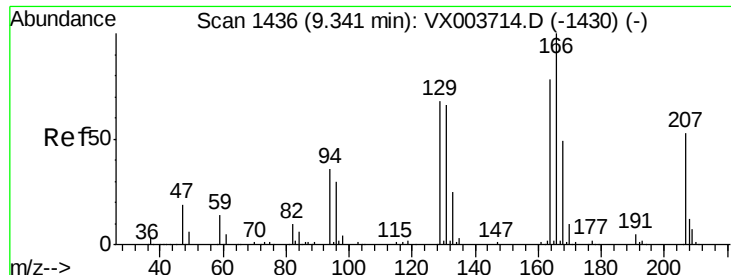
Tot Ion: 43 Resp: 162257
Ion Ratio Lower Upper
43 100
58 54.0 39.6 59.4
57 18.8 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.83 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 95 Resp: 50422
Ion Ratio Lower Upper
95 100
174 92.7 71.8 107.6
176 88.9 70.1 105.1





#61

Tetrachloroethene

Concen: 20.30 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 24806

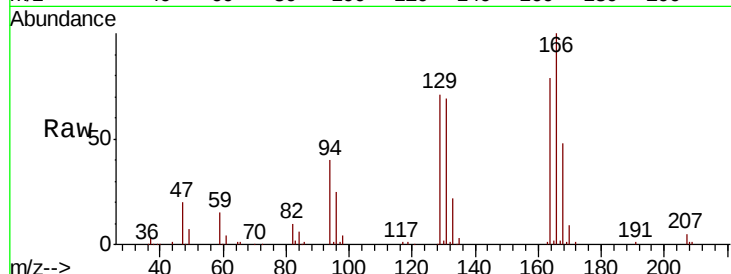
Ion Ratio Lower Upper

164 100

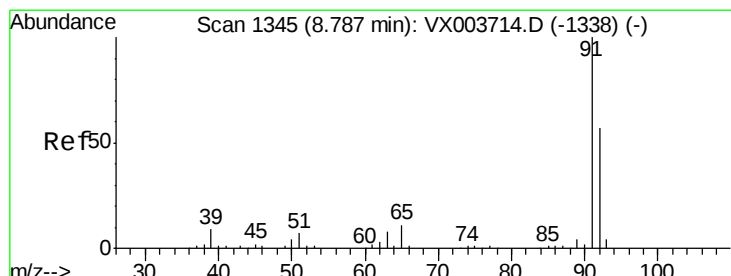
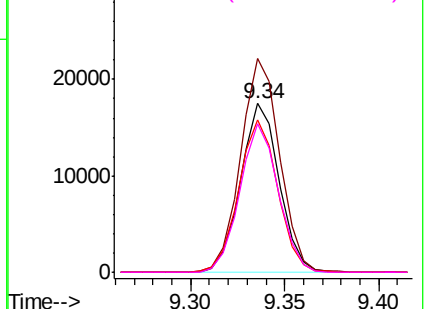
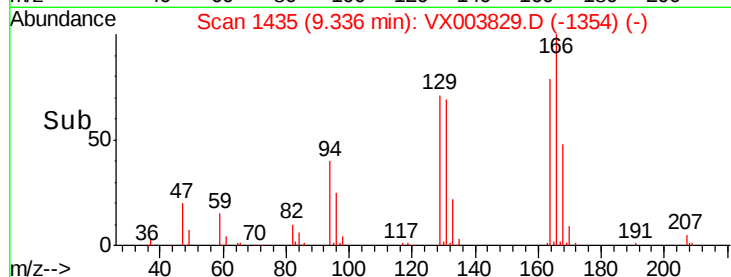
166 126.7 102.4 153.6

129 90.2 70.1 105.1

131 87.8 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: 20.07 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003829.D

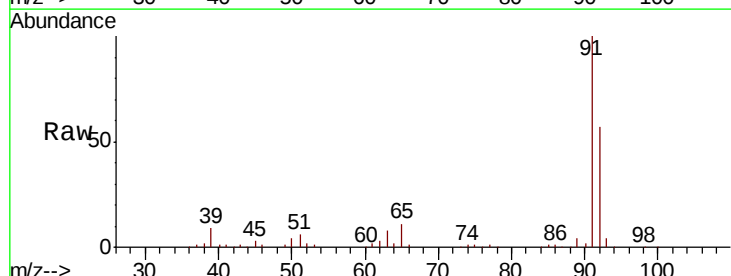
Acq: 02 Aug 2018 17:33

Tgt Ion: 91 Resp: 109353

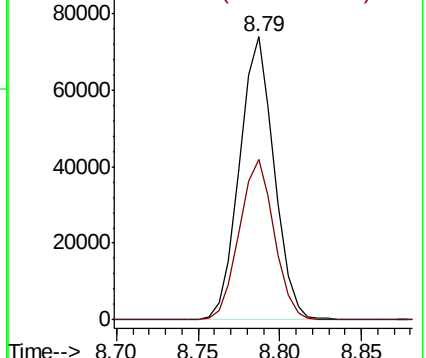
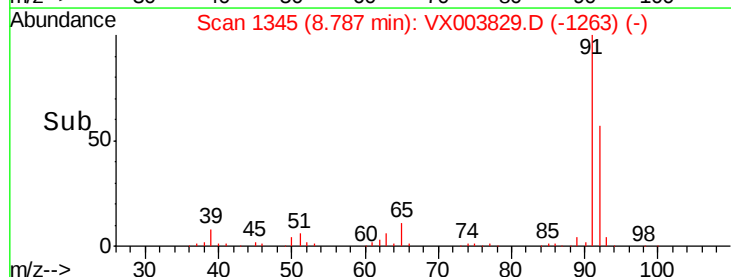
Ion Ratio Lower Upper

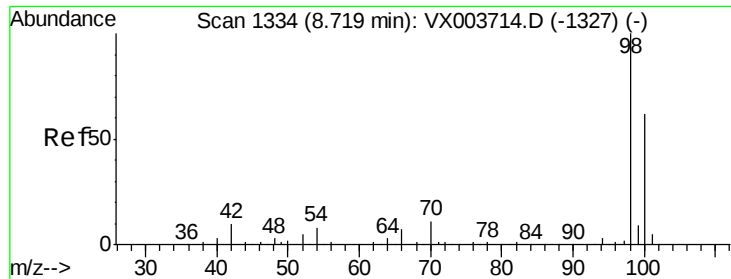
91 100

92 57.3 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: 29.75 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

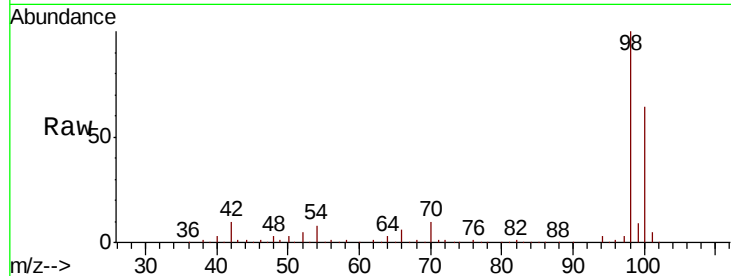
VSTDCCC020EC

Tot Ion: 98 Resp: 140718

Ion Ratio Lower Upper

98 100

100 64.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

100000

80000

60000

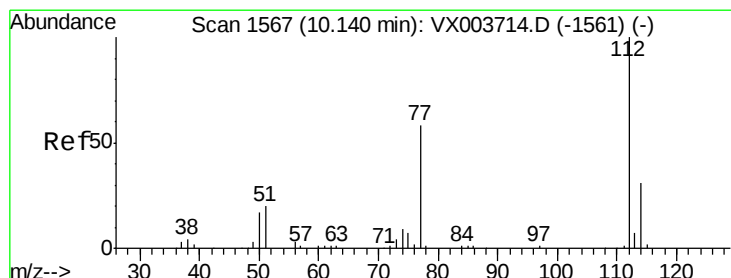
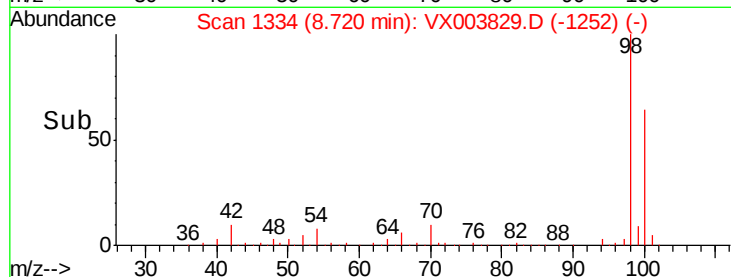
40000

20000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 20.26 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003829.D

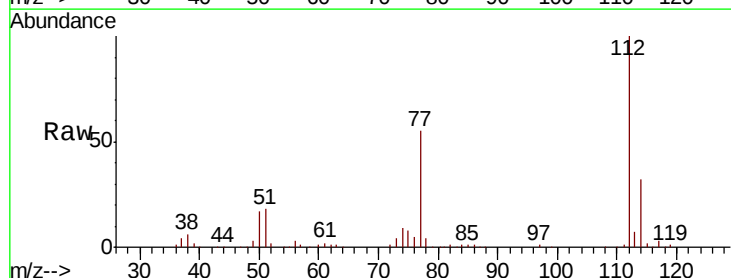
Acq: 02 Aug 2018 17:33

Tgt Ion: 112 Resp: 71349

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

10.14

60000

50000

40000

30000

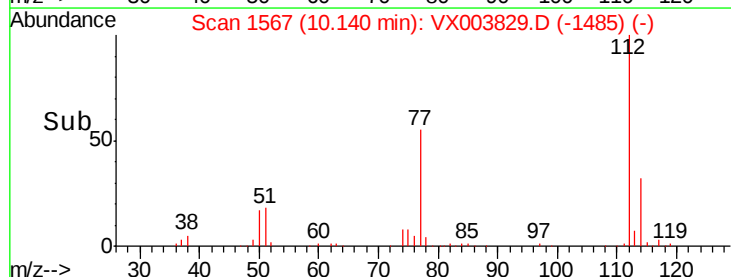
20000

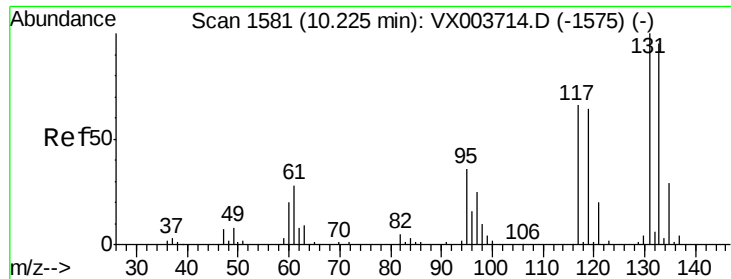
10000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.66 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

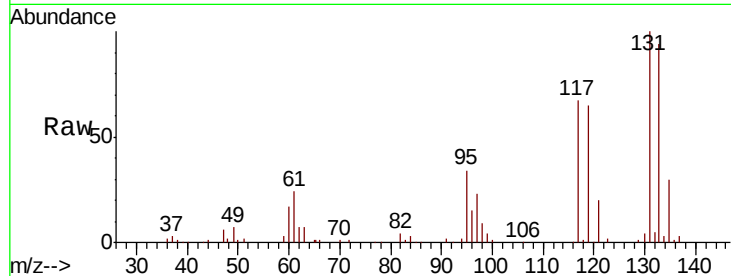
Tot Ion:131 Resp: 25742

Ion Ratio Lower Upper

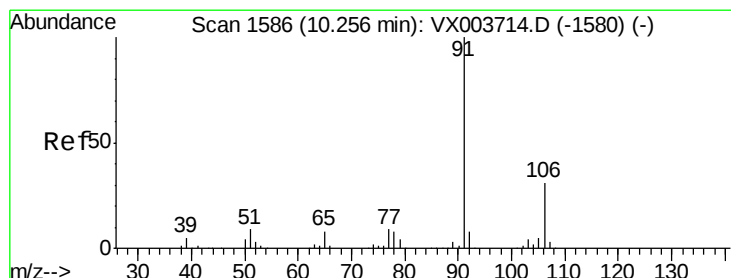
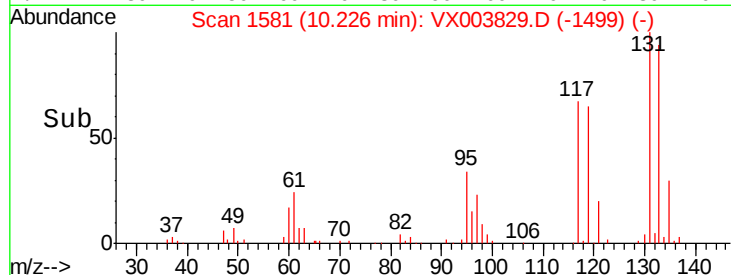
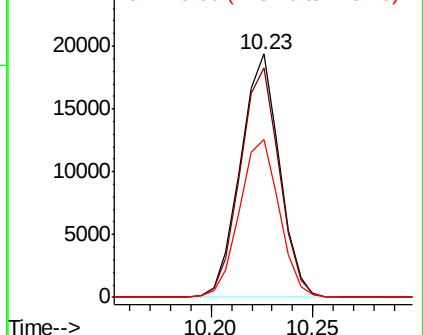
131 100

133 94.9 0.0 191.2

119 65.9 0.0 125.4



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.14 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003829.D

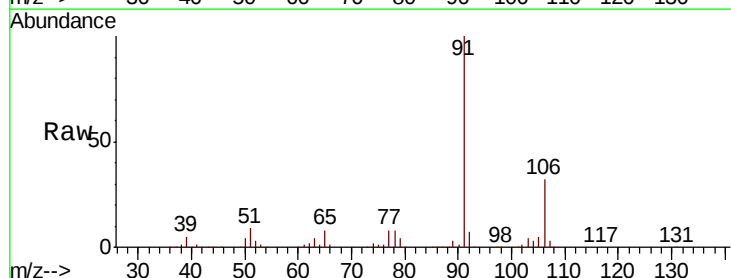
Acq: 02 Aug 2018 17:33

Tgt Ion: 91 Resp: 114808

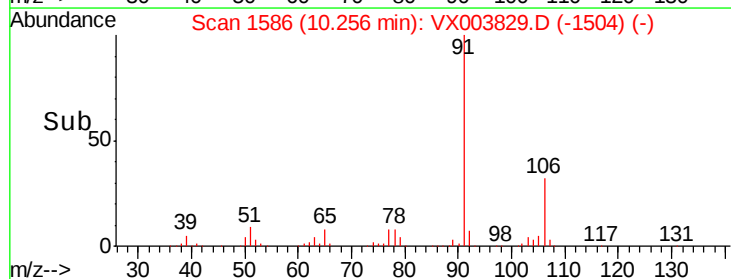
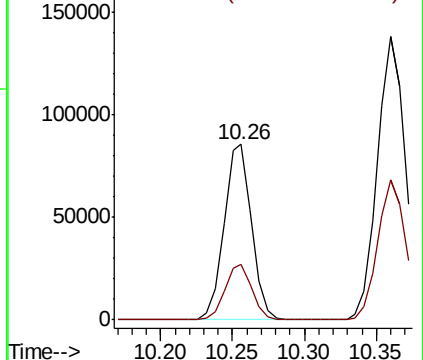
Ion Ratio Lower Upper

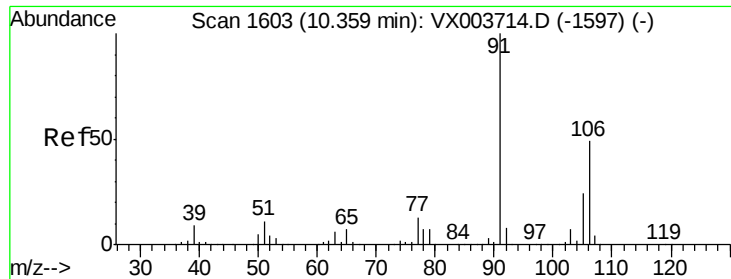
91 100

106 31.5 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

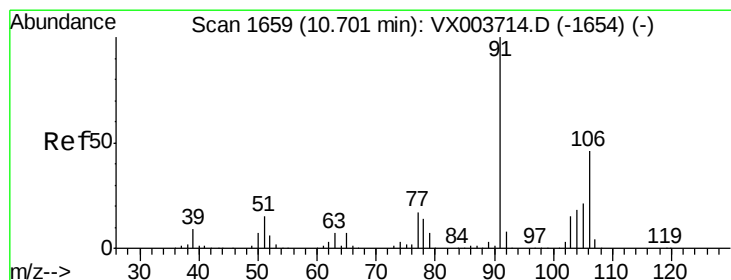
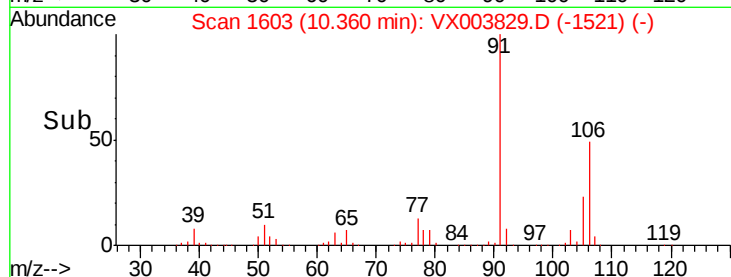
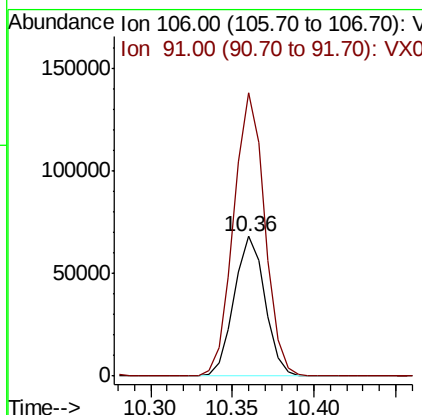
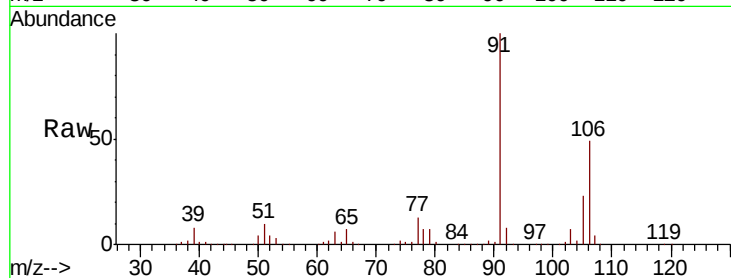




#67
m/p-Xylenes
Concen: 38.95 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

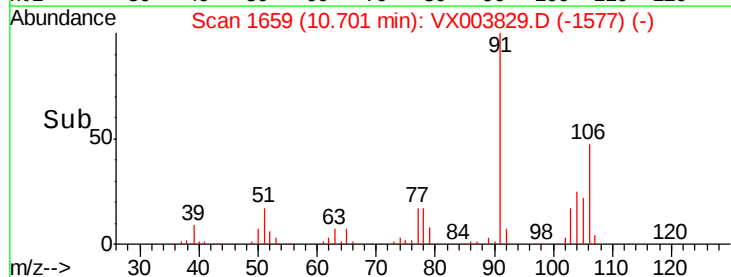
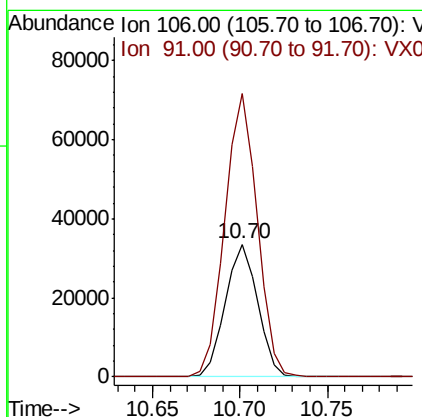
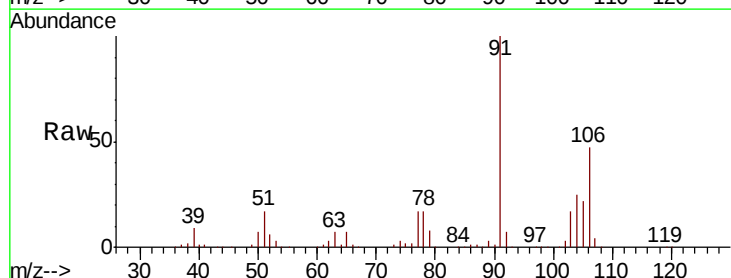
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

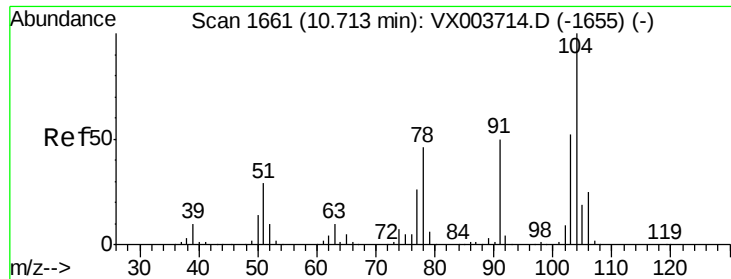
Tot Ion:106 Resp: 89971
Ion Ratio Lower Upper
106 100
91 203.9 164.1 246.1



#68
o-Xylene
Concen: 19.66 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion:106 Resp: 43442
Ion Ratio Lower Upper
106 100
91 212.7 109.1 327.3

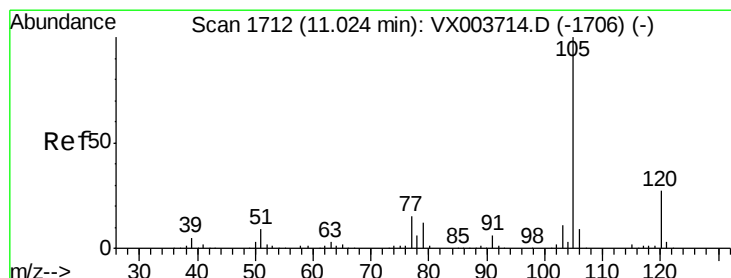
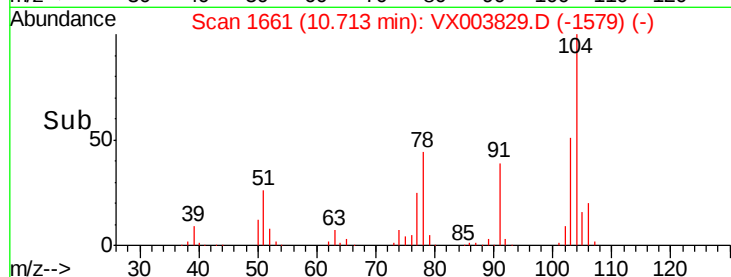
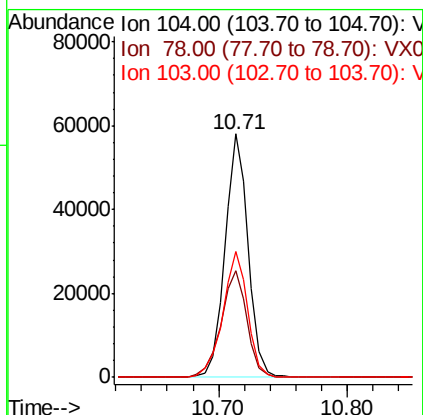
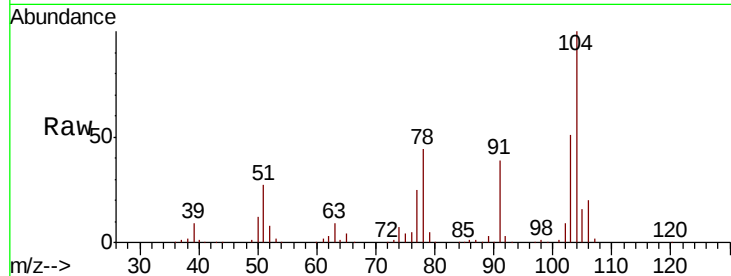




#69
Stvrene
Concen: 19.60 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

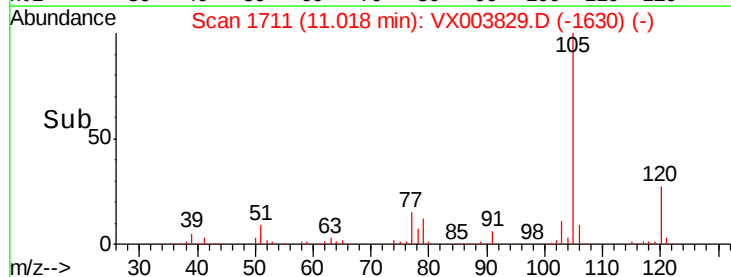
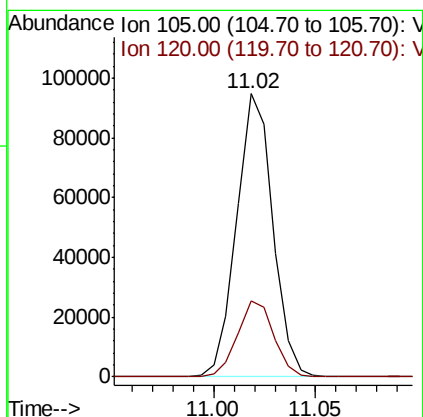
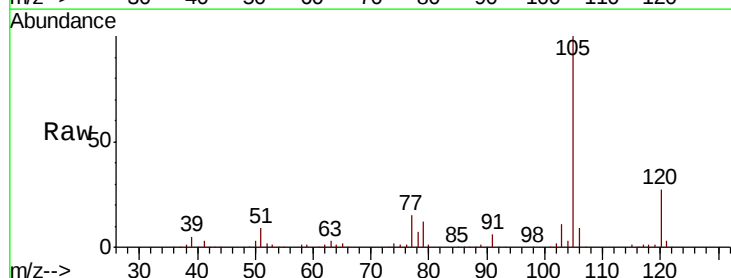
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

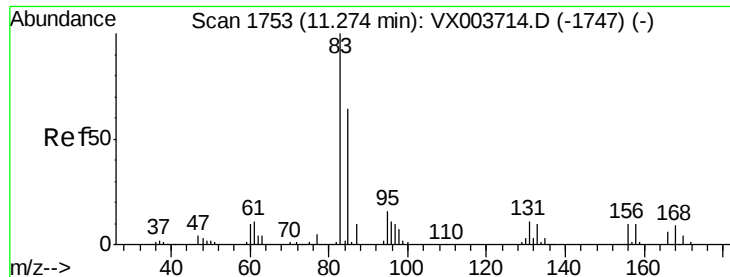
Tot Ion:104 Resp: 73336
Ion Ratio Lower Upper
104 100
78 48.6 41.8 62.8
103 55.3 44.9 67.3



#70
Isopropylbenzene
Concen: 19.12 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion:105 Resp: 116319
Ion Ratio Lower Upper
105 100
120 27.0 19.0 35.2

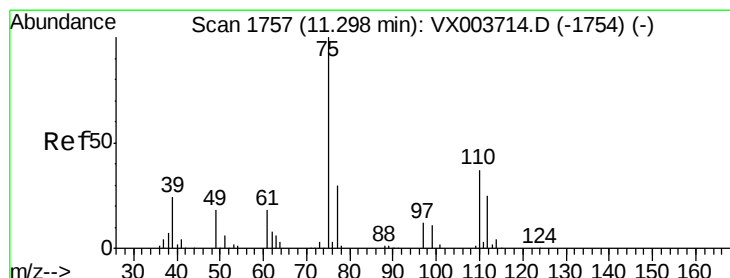
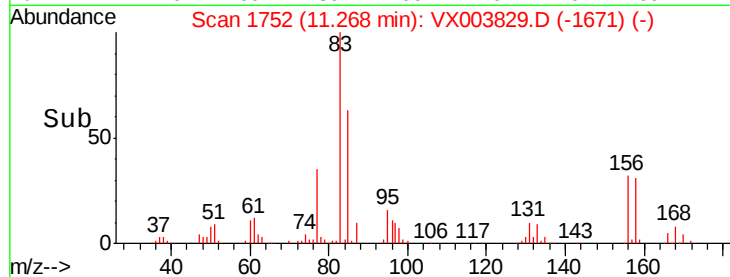
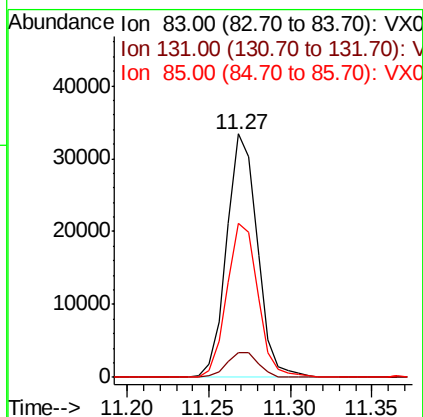
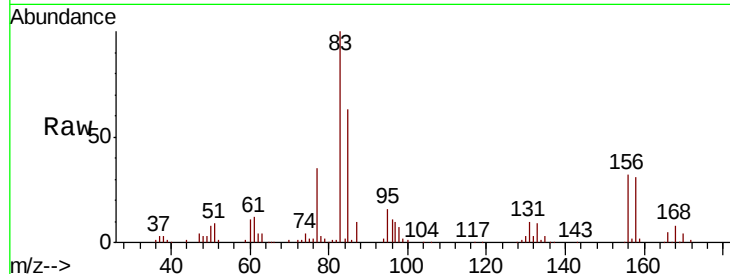




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.19 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

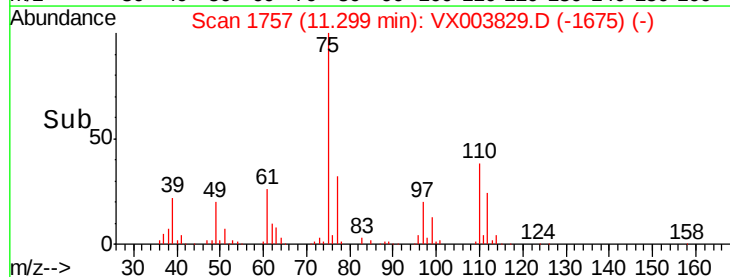
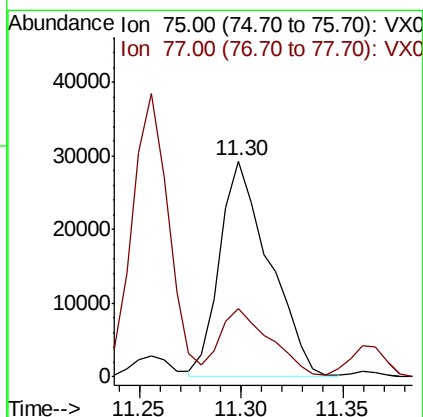
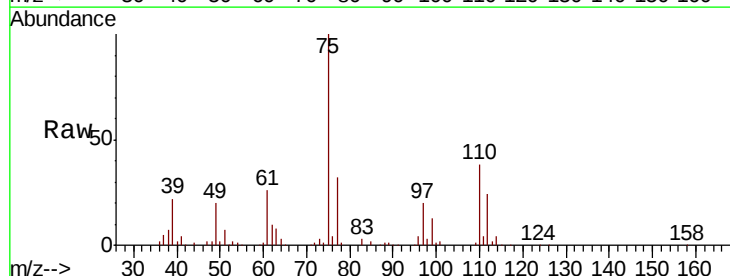
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

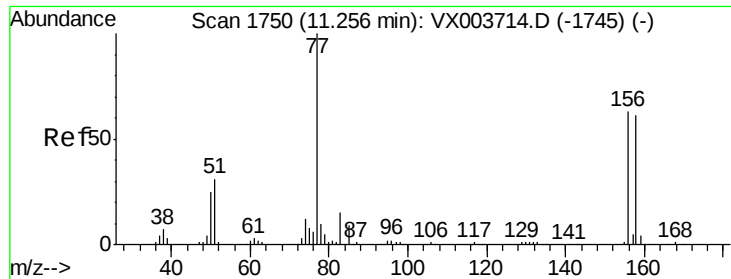
Tot Ion: 83 Resp: 43853
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.4 16.2
 85 64.0 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 27.50 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion: 75 Resp: 49677
 Ion Ratio Lower Upper
 75 100
 77 32.0 0.0 71.8





#73

Bromobenzene

Concen: 19.90 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

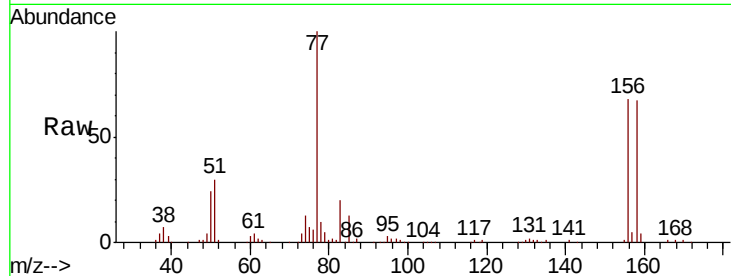
Tot Ion:156 Resp: 32635

Ion Ratio Lower Upper

156 100

77 146.7 0.0 301.0

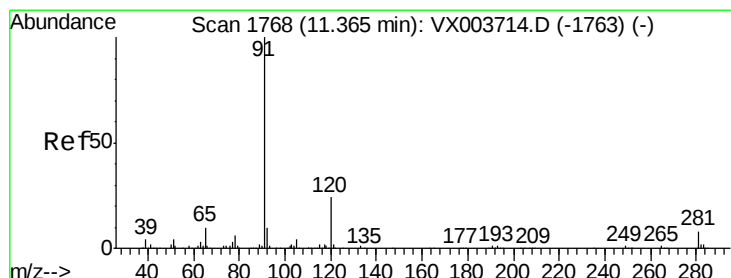
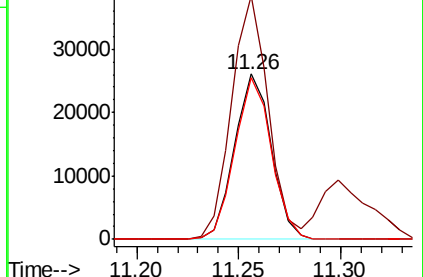
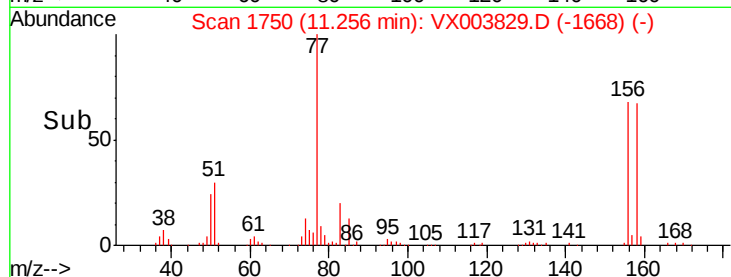
158 97.2 0.0 196.2



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: 18.90 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003829.D

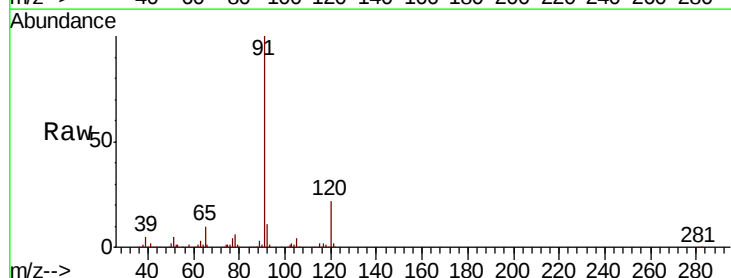
Acq: 02 Aug 2018 17:33

Tgt Ion: 91 Resp: 135432

Ion Ratio Lower Upper

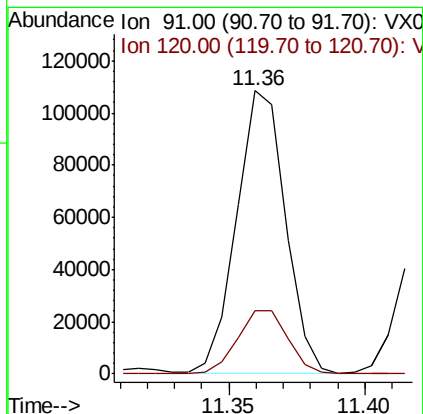
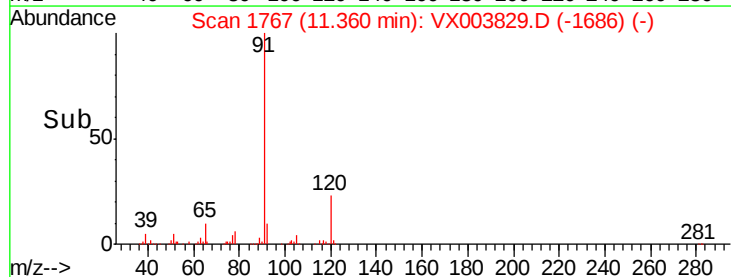
91 100

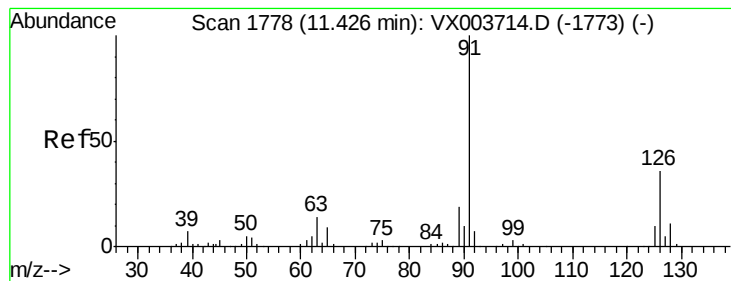
120 23.2 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.30 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

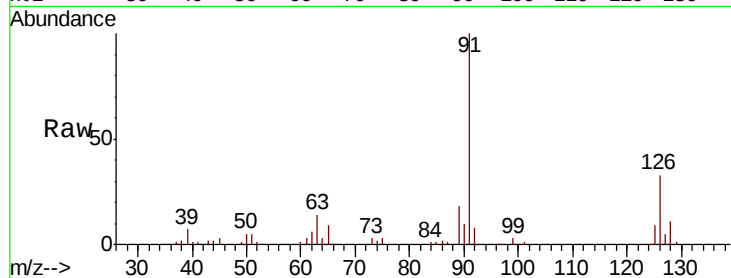
VSTDCCC020EC

Tot Ion: 91 Resp: 81530

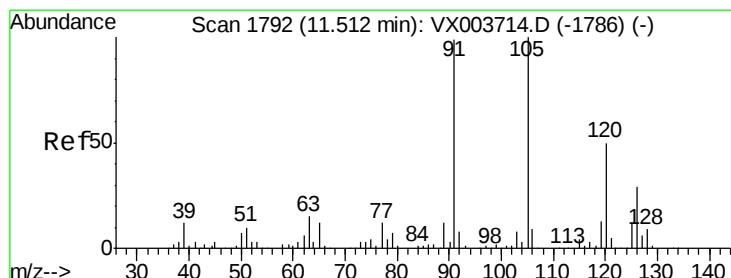
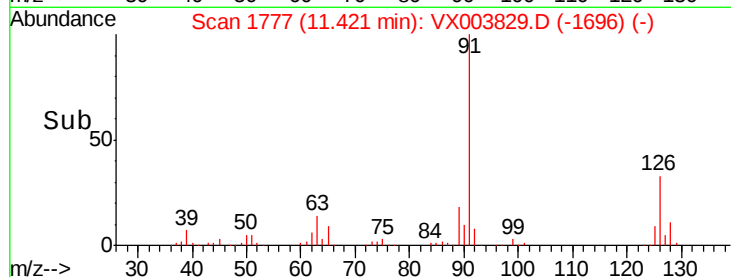
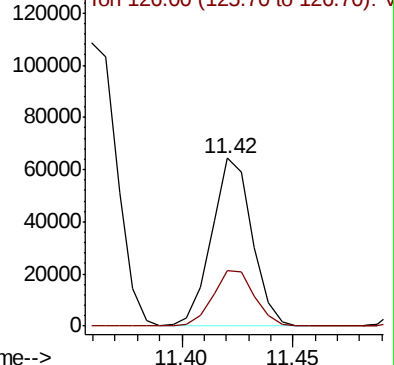
Ion Ratio Lower Upper

91 100

126 34.4 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VX003714.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.10 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003829.D

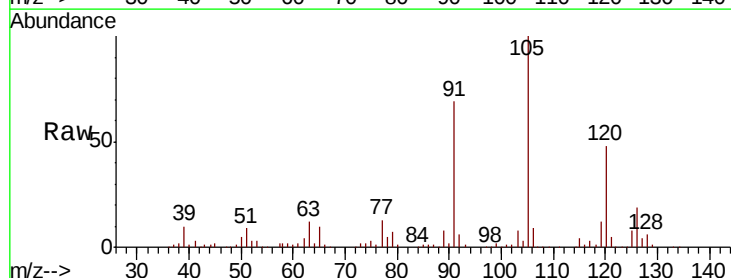
Acq: 02 Aug 2018 17:33

Tgt Ion: 105 Resp: 98616

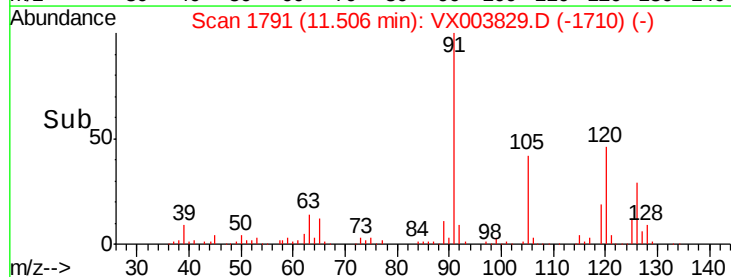
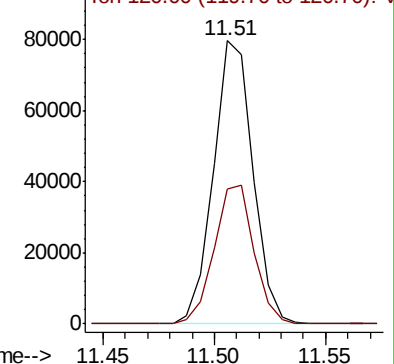
Ion Ratio Lower Upper

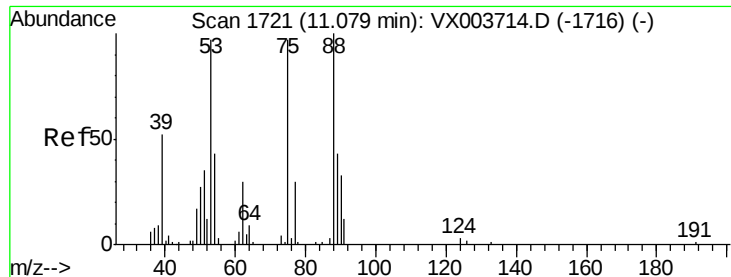
105 100

120 49.5 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX003714.D (-1786) (-)

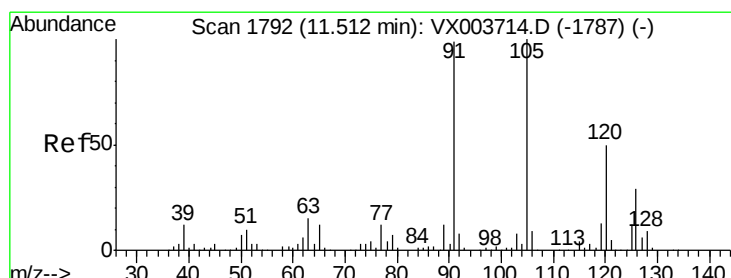
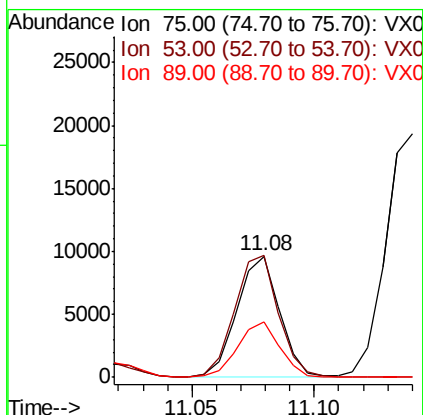
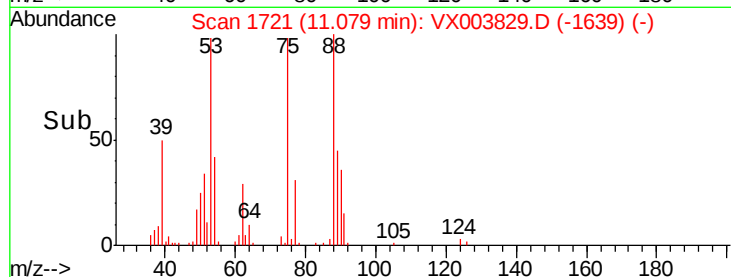
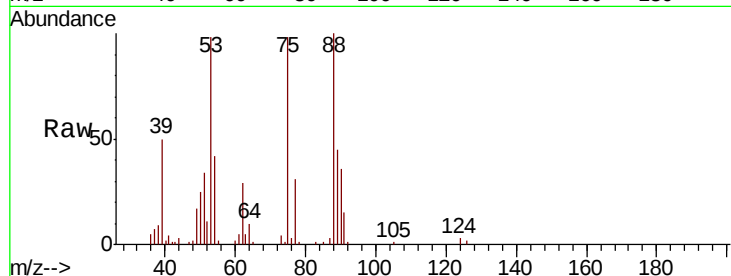




#77
t-1,4-Dichloro-2-butene
Concen: 19.06 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

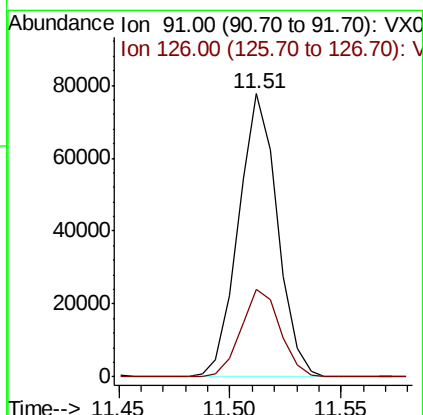
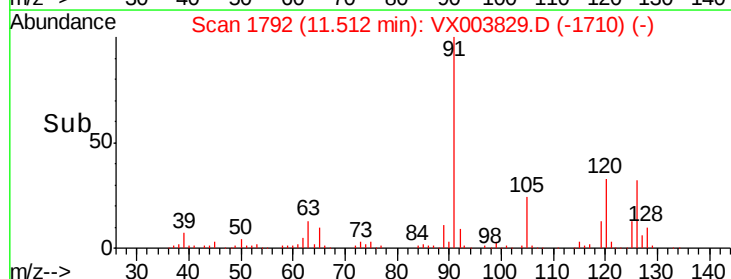
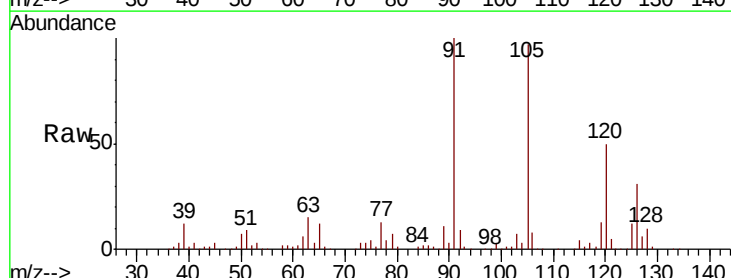
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

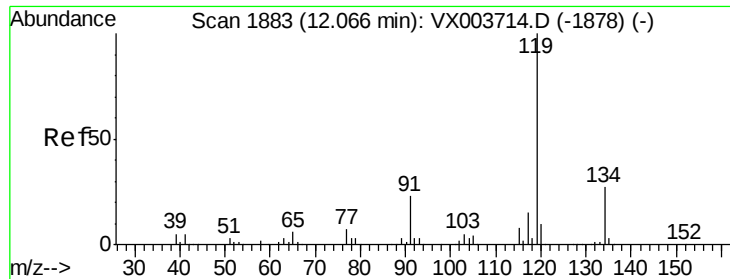
Tot Ion: 75 Resp: 11735
Ion Ratio Lower Upper
75 100
53 99.6 48.3 144.9
89 45.7 21.8 65.4



#78
4-Chlorotoluene
Concen: 19.05 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 91 Resp: 94138
Ion Ratio Lower Upper
91 100
126 31.3 0.0 61.0





#79

tert-butylbenzene

Concen: 19.33 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

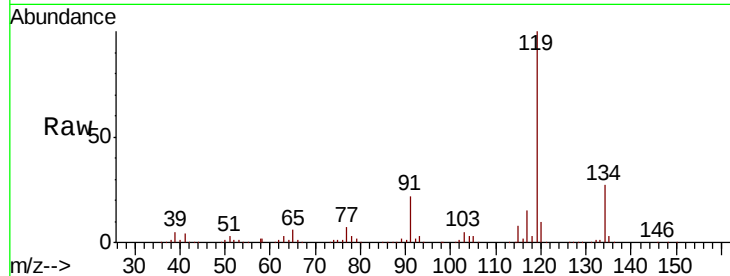
Tot Ion:119 Resp: 102671

Ion Ratio Lower Upper

119 100

91 22.8 0.0 48.0

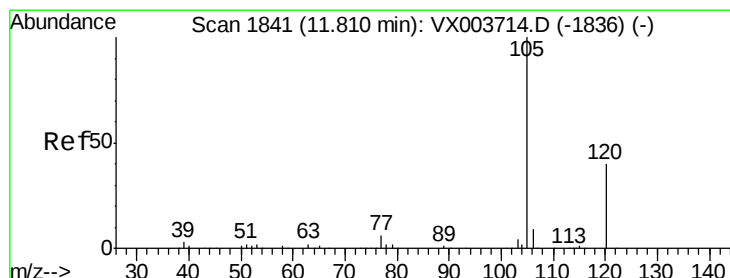
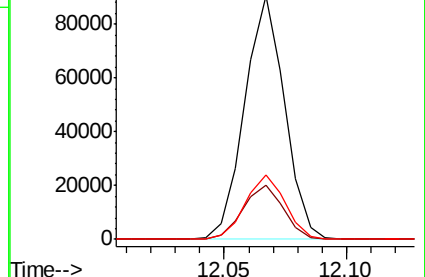
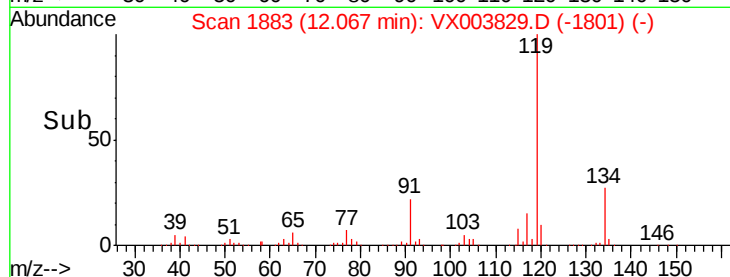
134 26.5 0.0 52.6



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: 19.24 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003829.D

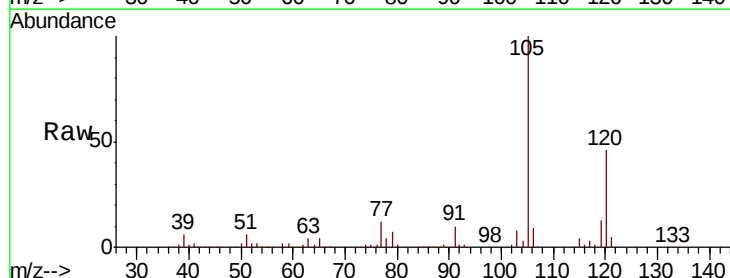
Acq: 02 Aug 2018 17:33

Tgt Ion:105 Resp: 101672

Ion Ratio Lower Upper

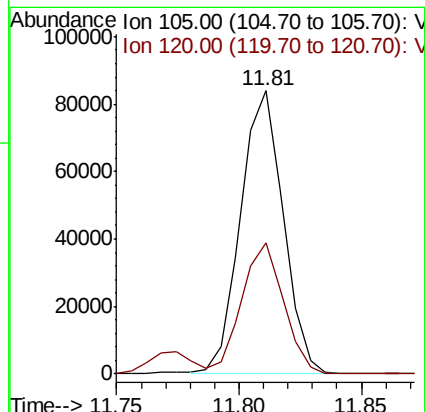
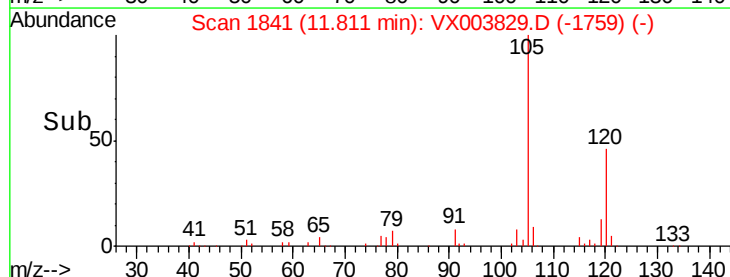
105 100

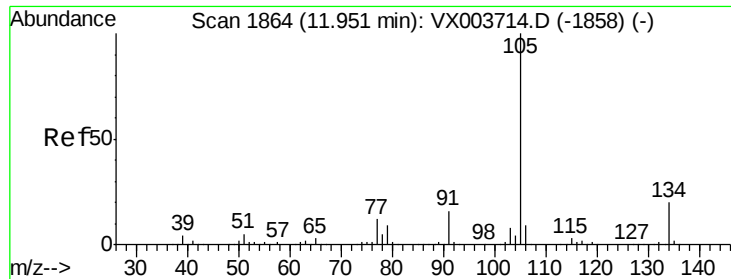
120 45.3 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

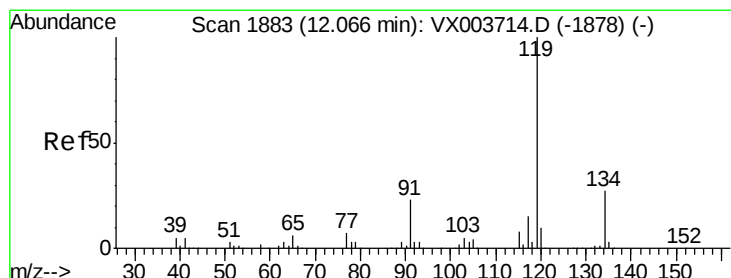
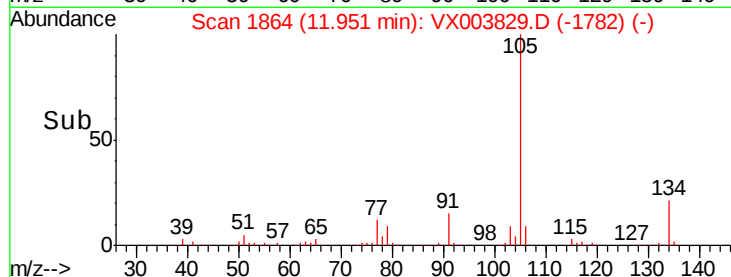
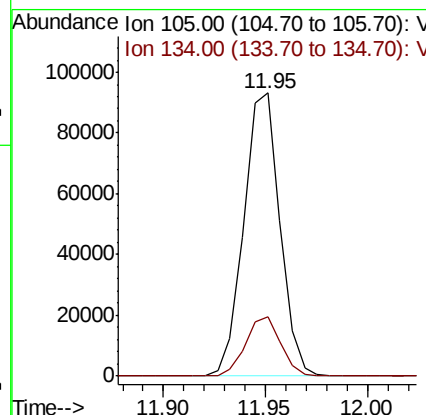
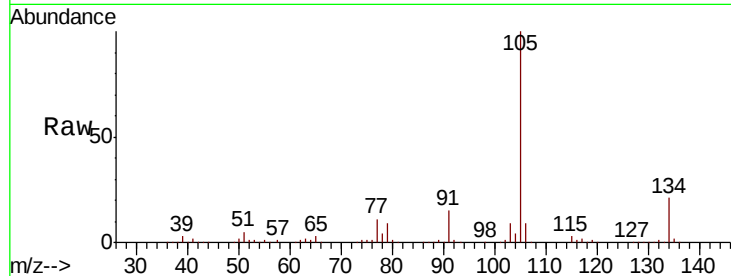




#81
 sec-Butylbenzene
 Concen: 19.01 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

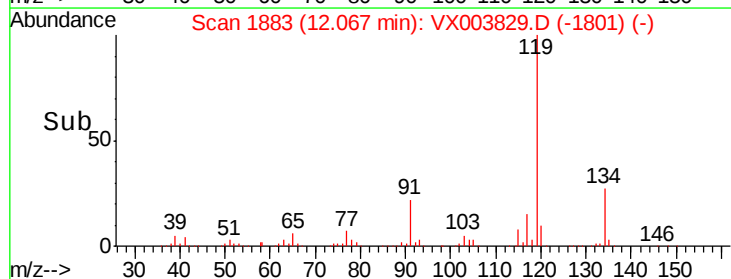
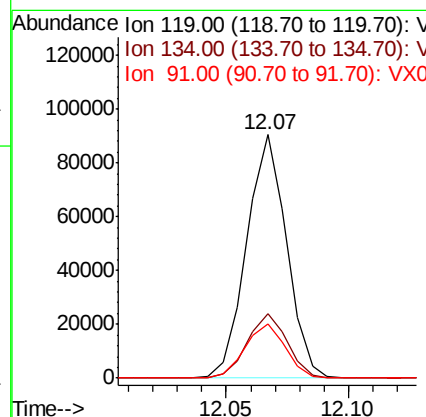
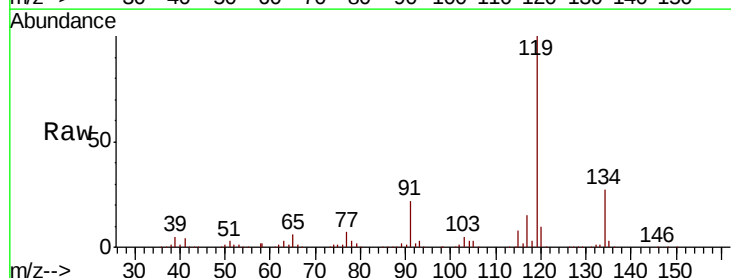
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

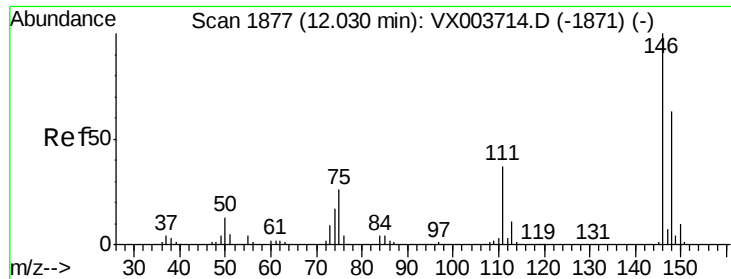
Tot Ion:105 Resp: 114307
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 41.6



#82
 p-Isopropyltoluene
 Concen: 19.33 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion:119 Resp: 102671
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.6
 91 22.8 0.0 48.0

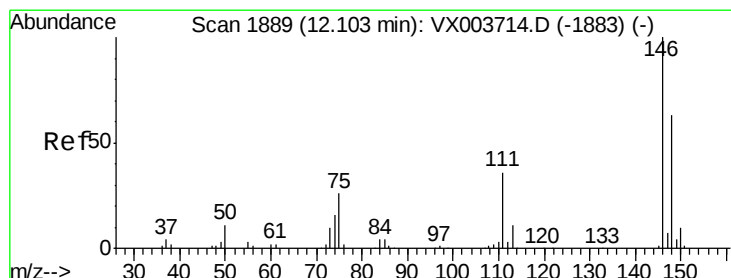
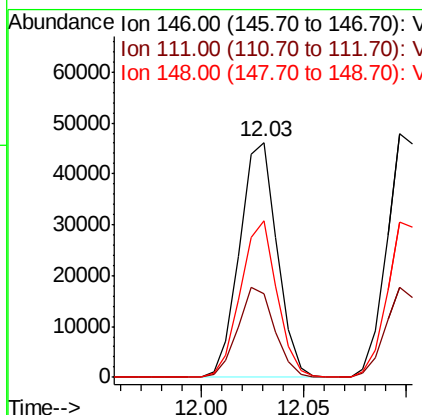
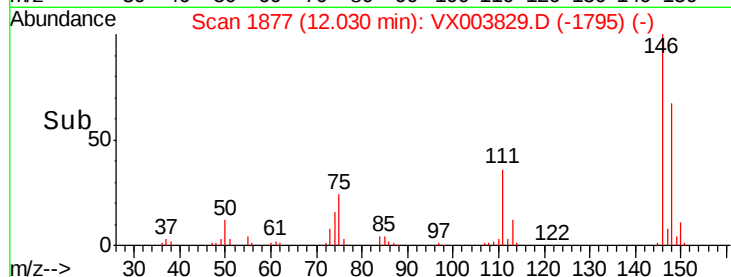
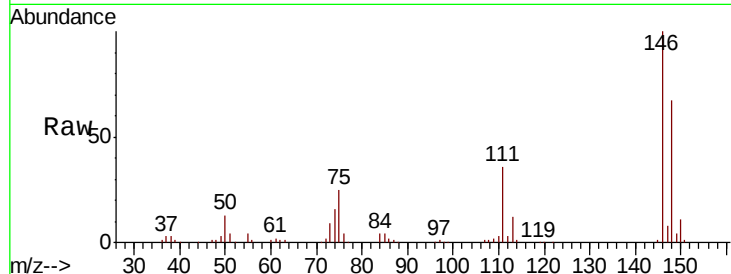




#83
 1,3-Dichlorobenzene
 Concen: 19.73 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

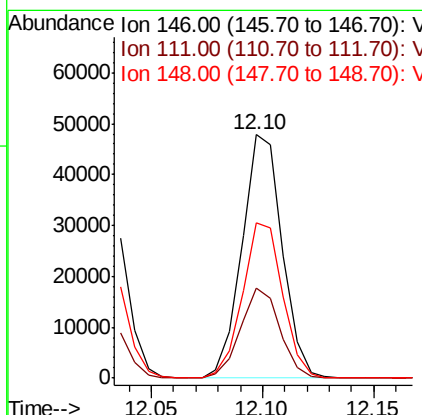
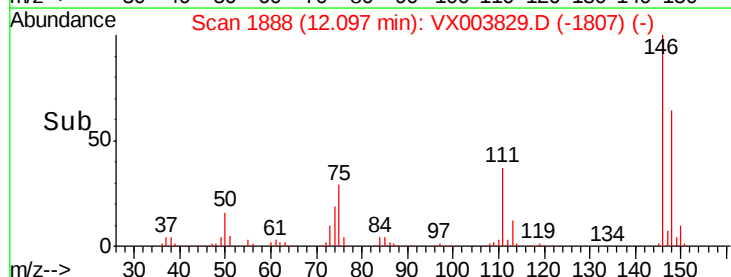
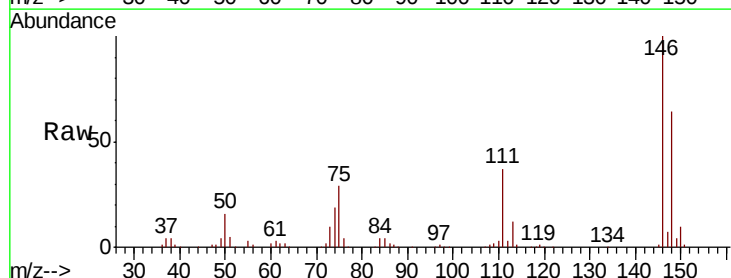
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

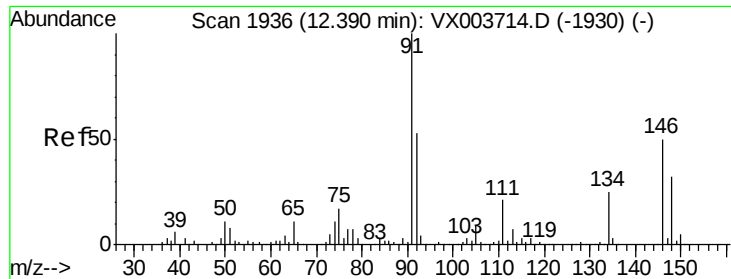
Tot Ion:146 Resp: 59073
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.5
 148 64.8 31.9 95.7



#84
 1,4-Dichlorobenzene
 Concen: 19.96 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion:146 Resp: 60184
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.5 55.5
 148 64.0 32.0 96.0

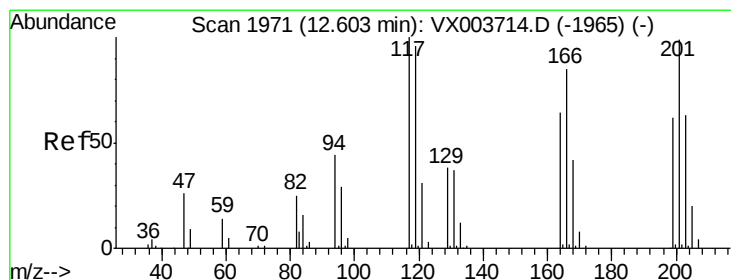
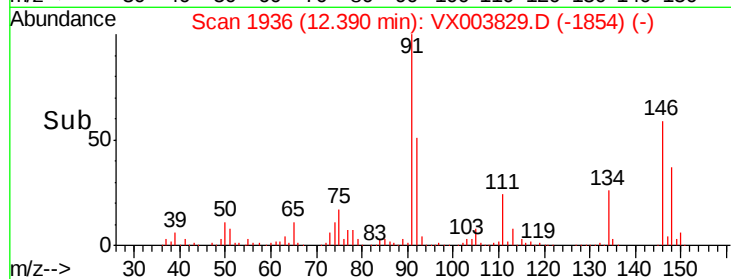
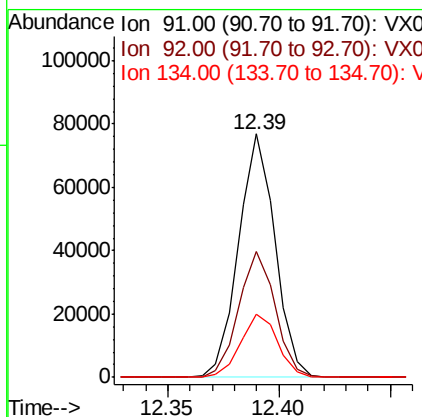
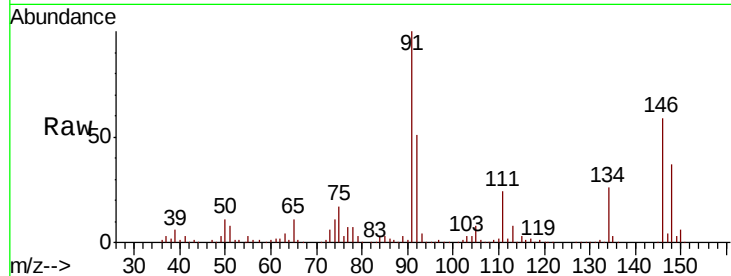




#85
n-Butylbenzene
Concen: 18.62 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

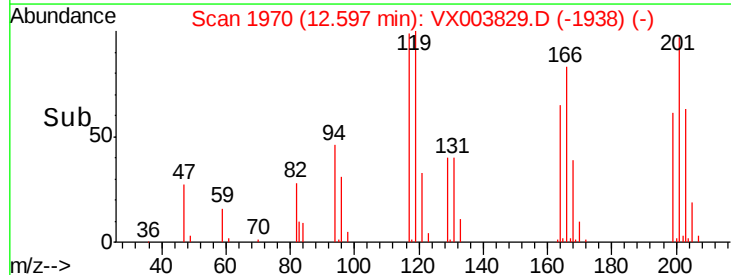
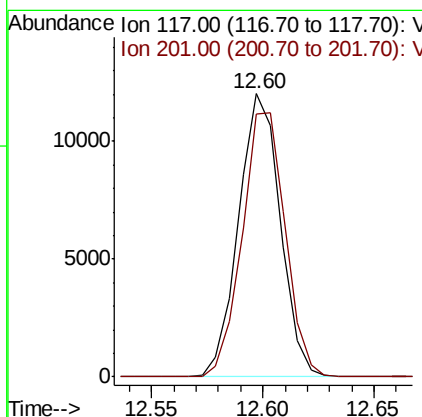
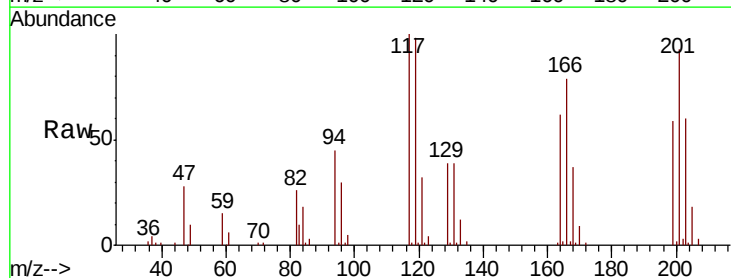
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

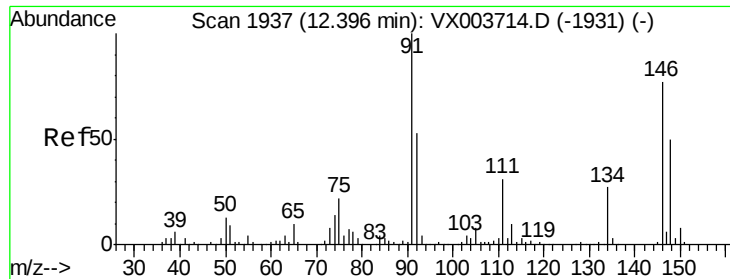
Tot Ion: 91 Resp: 87786
Ion Ratio Lower Upper
91 100
92 51.7 0.0 105.2
134 26.4 0.0 53.2



#86
Hexachloroethane
Concen: 18.36 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX003829.D
Acq: 02 Aug 2018 17:33

Tgt Ion: 117 Resp: 15718
Ion Ratio Lower Upper
117 100
201 96.3 47.6 142.8

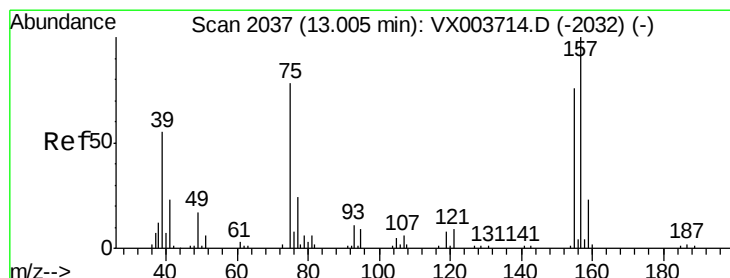
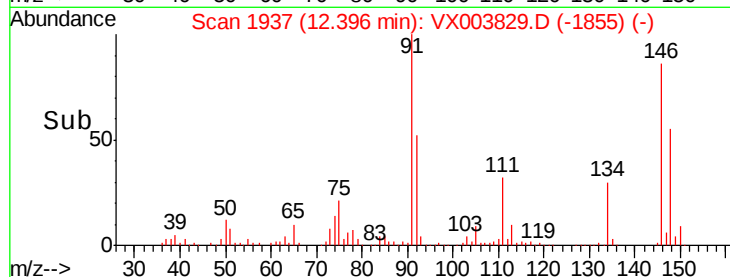
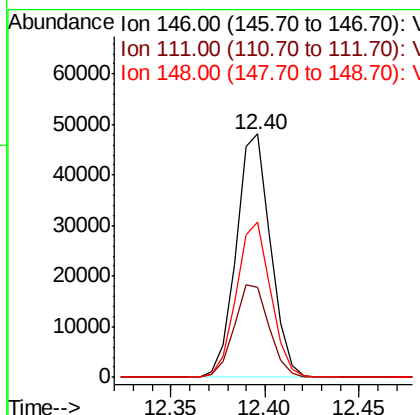
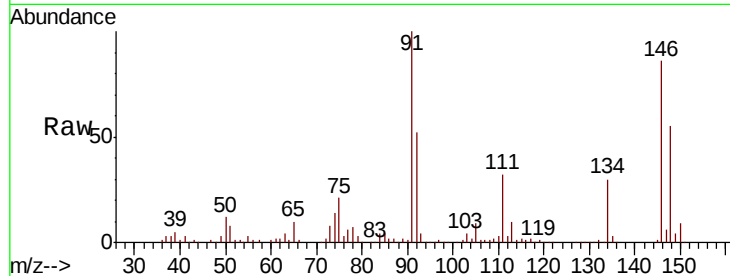




#87
 1,2-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

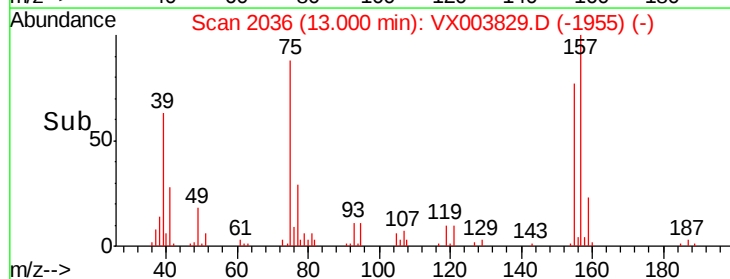
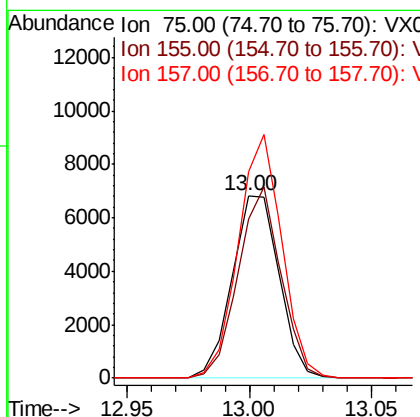
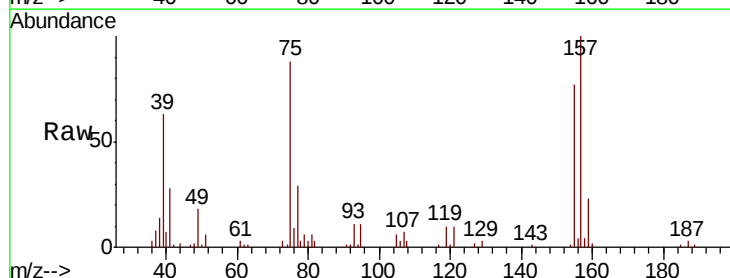
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

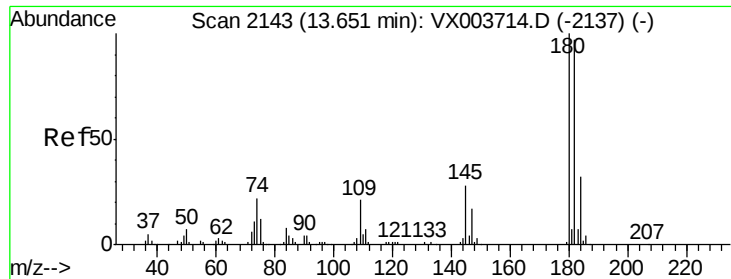
Tot Ion:146 Resp: 60657
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.0 59.9
 148 63.9 32.8 98.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.95 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion: 75 Resp: 9145
 Ion Ratio Lower Upper
 75 100
 155 95.5 73.1 109.7
 157 123.1 93.1 139.7

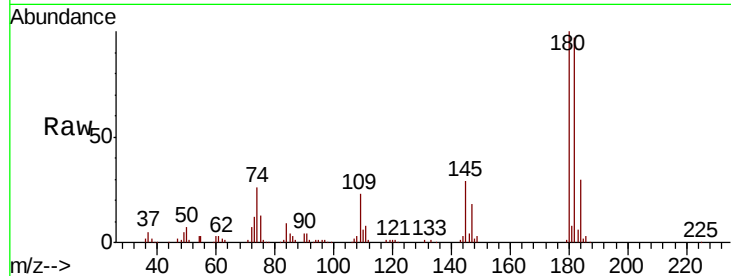




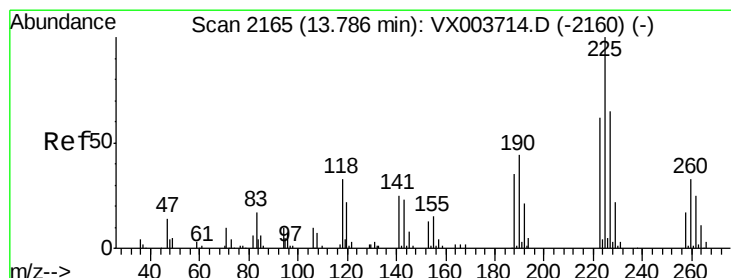
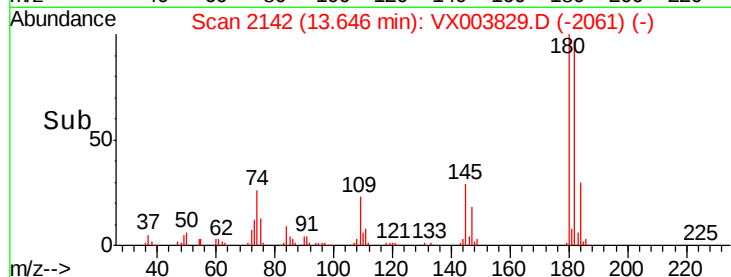
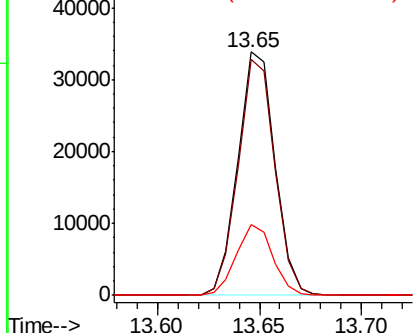
#89
 1,2,4-Trichlorobenzene
 Concen: 20.21 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:180 Resp: 42652
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.4 114.6
 145 28.6 22.9 34.3

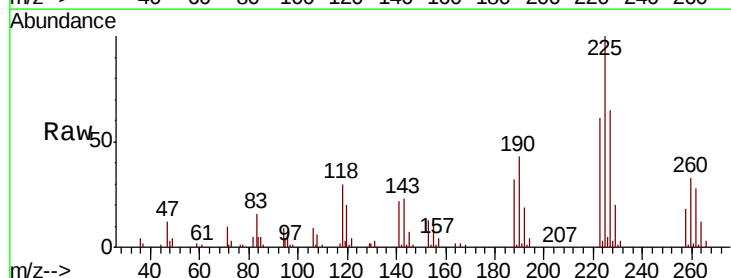


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

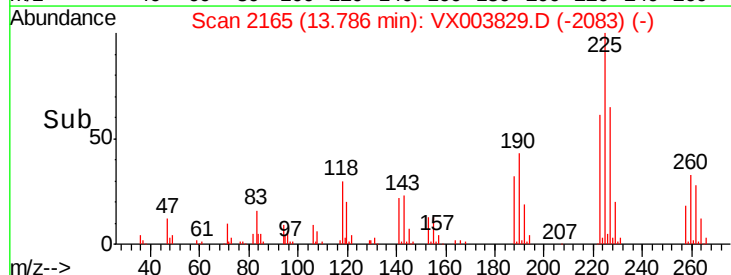
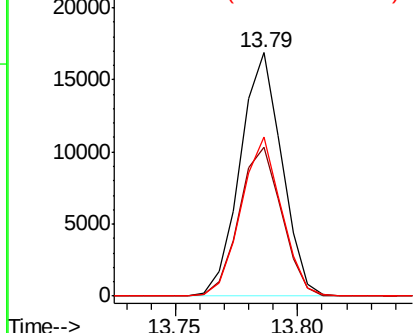


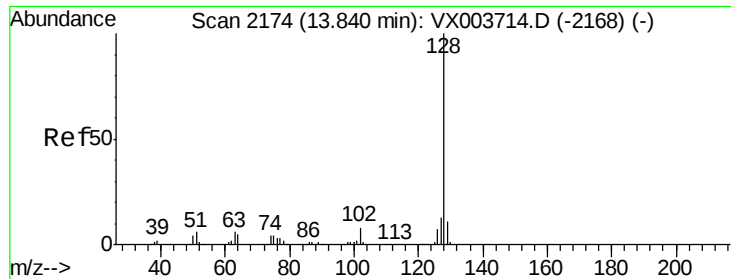
#90
 Hexachlorobutadiene
 Concen: 20.95 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003829.D
 Acq: 02 Aug 2018 17:33

Tgt Ion:225 Resp: 20045
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 122.4
 227 63.5 0.0 128.0



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





#91

Naphthalene

Concen: 20.51 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

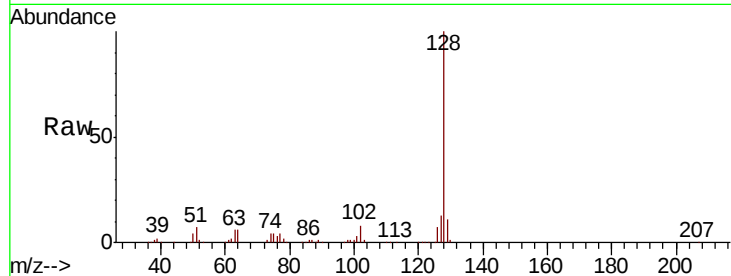
Tot Ion:128 Resp: 132329

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

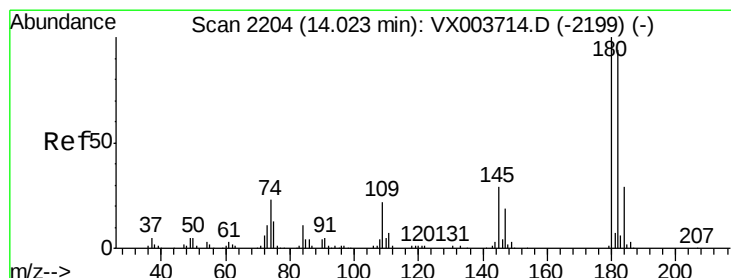
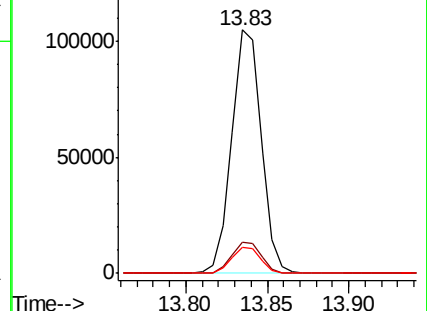
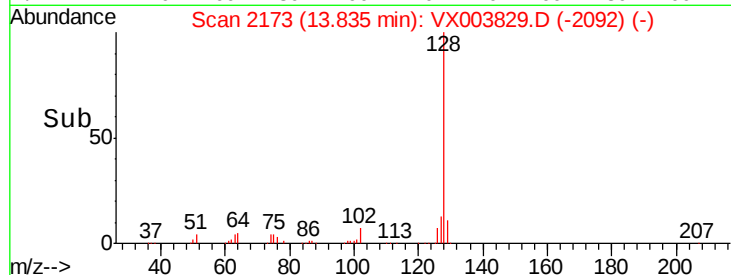
129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 20.51 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003829.D

Acq: 02 Aug 2018 17:33

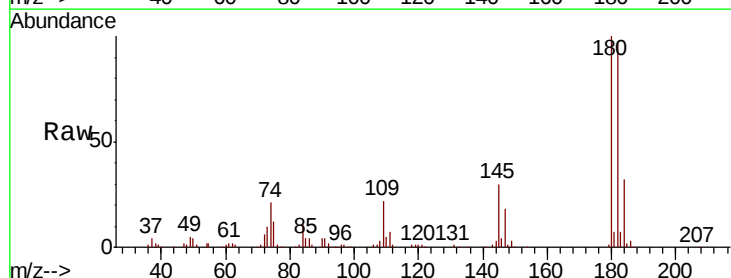
Tgt Ion:180 Resp: 44083

Ion Ratio Lower Upper

180 100

182 97.0 0.0 191.0

145 30.3 0.0 60.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

