

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110518\
 Data File : VN052143.D
 Acq On : 5 Nov 2018 12:43
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Nov 05 22:11:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:07:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	463484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	771285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	663497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251484	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	5587	1.02	ug/l	0.00
Spiked Amount			Recovery	=	2.04%	
35) Dibromofluoromethane	7.59	113	5227	1.09	ug/l	0.00
Spiked Amount			Recovery	=	2.18%	
50) Toluene-d8	10.09	98	19592	1.06	ug/l	0.00
Spiked Amount			Recovery	=	2.12%	
62) 4-Bromofluorobenzene	12.40	95	5677	0.93	ug/l	0.00
Spiked Amount			Recovery	=	1.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	3966	0.981	ug/l	92
3) Chloromethane	2.06	50	5829	1.069	ug/l	95
4) Vinyl Chloride	2.18	62	5374	1.029	ug/l	99
5) Bromomethane	2.55	94	4776	1.223	ug/l	81
6) Chloroethane	2.70	64	3419	1.023	ug/l	99
7) Trichlorofluoromethane	3.02	101	7604	1.002	ug/l	100
8) Diethyl Ether	3.41	74	2706	1.021	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.76	101	4337	0.956	ug/l #	58
10) Methyl Iodide	3.95	142	5080	0.793	ug/l #	93
11) Tert butyl alcohol	4.76	59	55	0.230	ug/l #	79
12) 1,1-Dichloroethene	3.73	96	4289	1.005	ug/l #	81
13) Acrolein	3.61	56	1454	6.763	ug/l #	69
14) Allyl chloride	4.33	41	7330	1.029	ug/l #	71
15) Acrylonitrile	4.99	53	7465	4.745	ug/l #	46
16) Acetone	3.81	43	7451	5.984	ug/l #	71
17) Carbon Disulfide	4.05	76	12670	1.040	ug/l	99
18) Methyl Acetate	4.33	43	4448	1.154	ug/l #	66
19) Methyl tert-butyl Ether	5.03	73	7402	0.629	ug/l	99
20) Methylene Chloride	4.55	84	5789	1.119	ug/l #	86
21) trans-1,2-Dichloroethene	5.05	96	3104	0.699	ug/l #	79
22) Diisopropyl ether	5.95	45	6350	0.404	ug/l #	48
23) Vinyl Acetate	5.89	43	42756	4.138	ug/l	97
24) 1,1-Dichloroethane	5.84	63	8734	0.983	ug/l #	85
25) 2-Butanone	6.84	43	10191	5.278	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	6705	0.965	ug/l #	67
27) cis-1,2-Dichloroethene	6.82	96	5275	0.979	ug/l	68
28) Bromochloromethane	7.19	49	4376	1.040	ug/l #	51
29) Tetrahydrofuran	7.22	42	5746	4.810	ug/l #	81
31) Cyclohexane	7.66	56	17213	1.715	ug/l #	36
32) 1,1,1-Trichloroethane	7.56	97	2833	0.361	ug/l #	51
36) 1,1-Dichloropropene	7.79	75	7202	1.056	ug/l	94
37) Ethyl Acetate	6.92	43	1360	0.317	ug/l #	81
38) Carbon Tetrachloride	7.76	117	3377	0.495	ug/l #	67
39) Methylcyclohexane	9.08	83	7709	0.954	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.04	78	19320	0.963	ug/l #	87
41) Methacrylonitrile	7.18	41	1190	0.539	ug/l #	60
42) 1,2-Dichloroethane	8.13	62	6782	1.052	ug/l	85
43) Isopropyl Acetate	8.16	43	8064	1.036	ug/l #	90
44) Trichloroethene	8.83	130	5387	1.014	ug/l	90
45) 1,2-Dichloropropane	9.12	63	5224	0.983	ug/l	94
46) Dibromomethane	9.21	93	3759	1.113	ug/l #	79
47) Bromodichloromethane	9.40	83	5974	0.907	ug/l	92
48) Methyl methacrylate	9.20	41	3373	0.900	ug/l #	86
49) 1,4-Dioxane	9.21	88	324	10.714	ug/l #	45
51) 4-Methyl-2-Pentanone	9.99	43	18916	4.599	ug/l	100
52) Toluene	10.15	92	10780	0.891	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	5503	0.851	ug/l #	80
54) cis-1,3-Dichloropropene	9.84	75	6484	0.857	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	3653	0.857	ug/l #	77
56) Ethyl methacrylate	10.43	69	4829	0.869	ug/l	93
57) 1,3-Dichloropropane	10.71	76	7135	0.950	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	13462	4.500	ug/l	97
59) 2-Hexanone	10.75	43	13360	4.666	ug/l	98
60) Dibromochloromethane	10.90	129	3999	0.825	ug/l	92
61) 1,2-Dibromoethane	11.00	107	3416	0.789	ug/l	81
64) Tetrachloroethene	10.63	164	3854	0.897	ug/l #	91
65) Chlorobenzene	11.43	112	14304	1.058	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.50	131	4145	0.913	ug/l #	62
67) Ethyl Benzene	11.51	91	21043	0.937	ug/l	93
68) m/p-Xylenes	11.62	106	16569	1.912	ug/l	95
69) o-Xylene	11.94	106	7980	0.949	ug/l	94
70) Styrene	11.96	104	12239	0.920	ug/l	92
71) Bromoform	12.12	173	1943	0.739	ug/l #	93
73) Isopropylbenzene	12.25	105	19102	1.005	ug/l	97
74) N-amyl acetate	12.07	43	5645	0.938	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	4253	1.022	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	5900	1.757	ug/l #	100
77) Bromobenzene	12.52	156	4639	1.023	ug/l	95
78) n-propylbenzene	12.59	91	22045	1.014	ug/l	98
79) 2-Chlorotoluene	12.67	91	13378	1.050	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	16010	1.040	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.31	75	1025	0.927	ug/l #	37
82) 4-Chlorotoluene	12.77	91	13120	1.024	ug/l	99
83) tert-Butylbenzene	12.99	119	14208	1.045	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	14845	0.969	ug/l	95
85) sec-Butylbenzene	13.17	105	18977	1.033	ug/l	100
86) p-Isopropyltoluene	13.29	119	15053	0.973	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	8285	1.034	ug/l	93
88) 1,4-Dichlorobenzene	13.28	146	8285	1.034	ug/l	91
89) n-Butylbenzene	13.61	91	14171	1.058	ug/l	98
90) Hexachloroethane	13.87	117	2313	0.887	ug/l	77
91) 1,2-Dichlorobenzene	13.65	146	7323	0.974	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	466	0.848	ug/l	74
93) 1,2,4-Trichlorobenzene	14.90	180	4467	1.278	ug/l	88

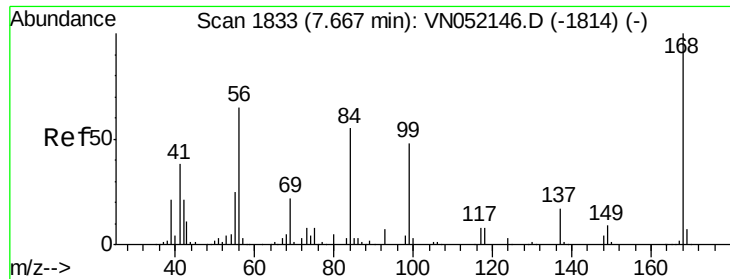
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	3343	1.645	ug/l	92
95) Naphthalene	15.13	128	8518	1.106	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	4195	1.355	ug/l #	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

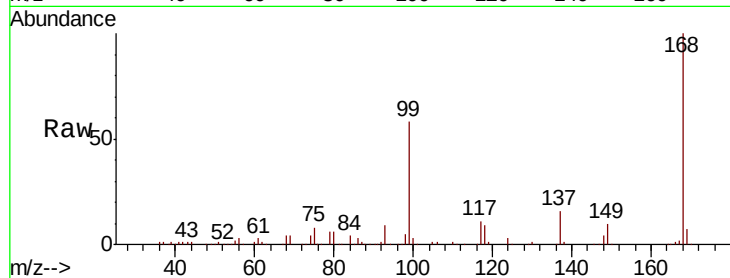
VSTDIC001

Tgt Ion:168 Resp: 463484

Ion Ratio Lower Upper

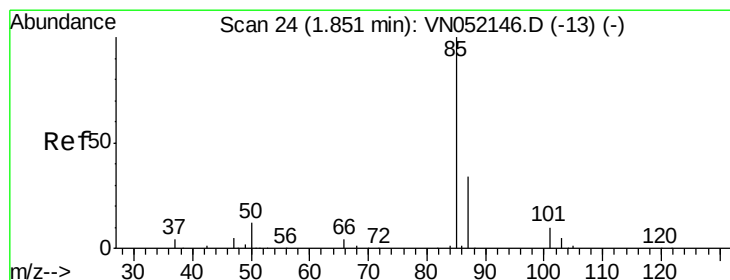
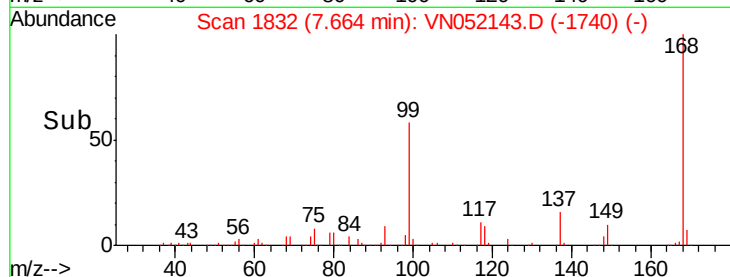
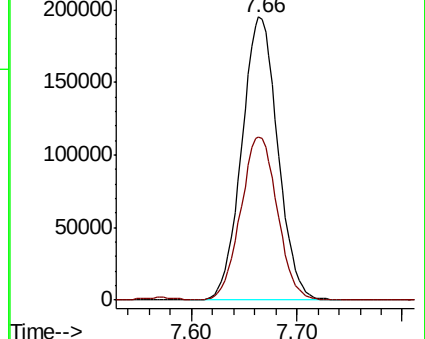
168 100

99 57.7 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.981 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052143.D

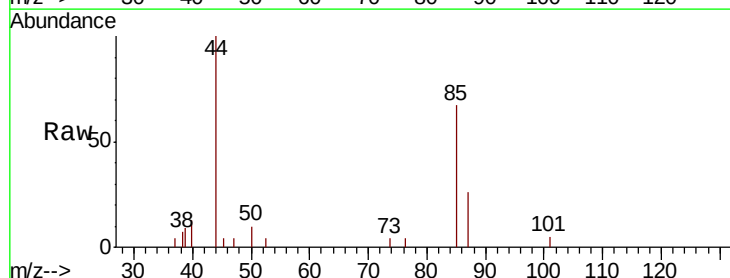
Acq: 5 Nov 2018 12:43

Tgt Ion: 85 Resp: 3966

Ion Ratio Lower Upper

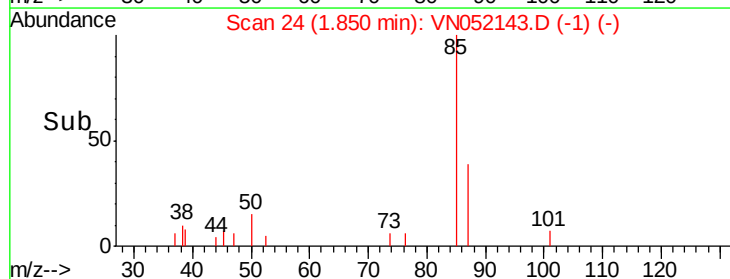
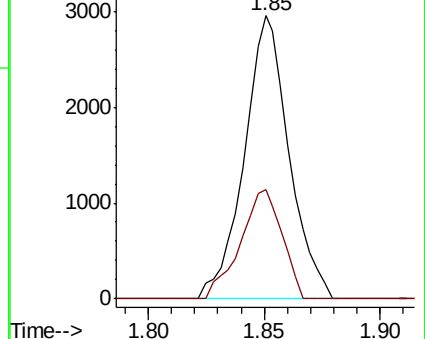
85 100

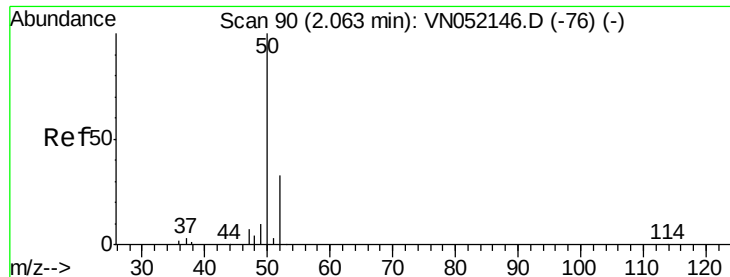
87 38.7 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 1.069 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

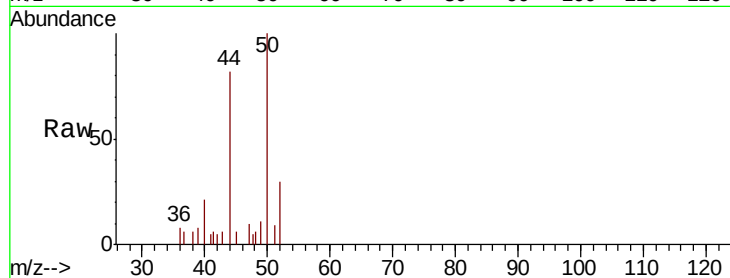
VSTDIC001

Tgt Ion: 50 Resp: 5829

Ion Ratio Lower Upper

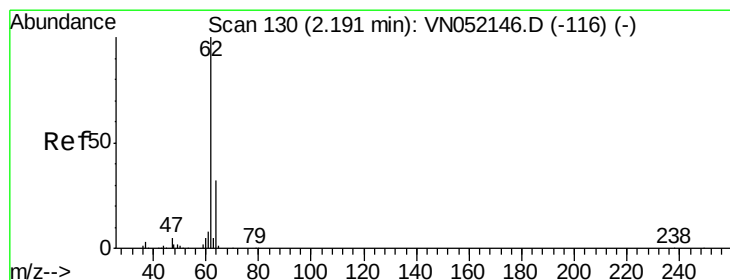
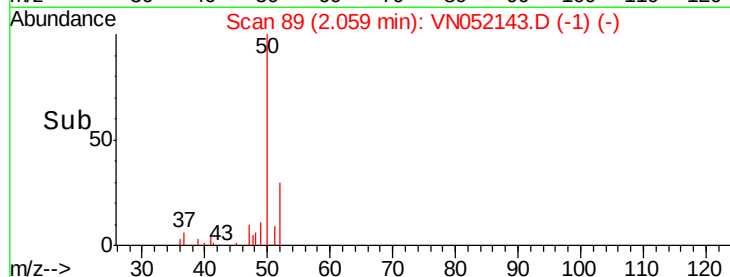
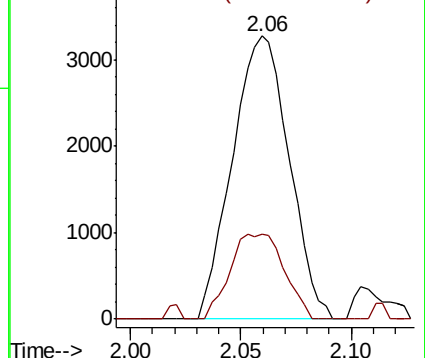
50 100

52 29.8 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 1.029 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.01 min

Lab File: VN052143.D

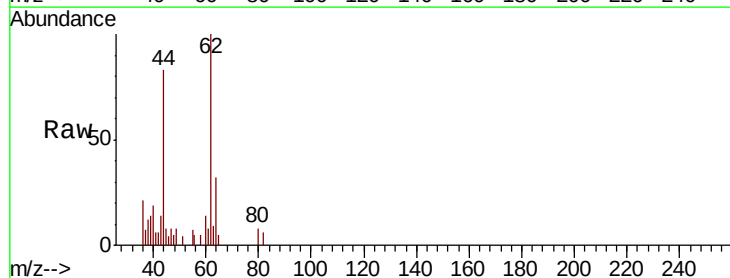
Acq: 5 Nov 2018 12:43

Tgt Ion: 62 Resp: 5374

Ion Ratio Lower Upper

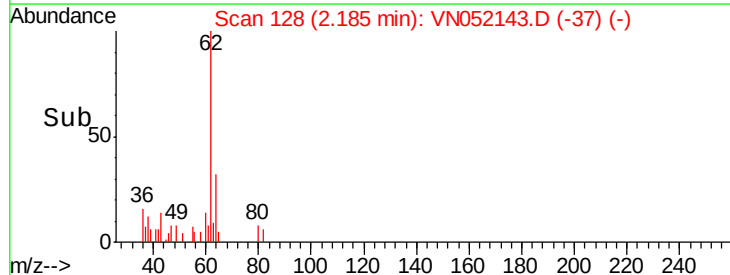
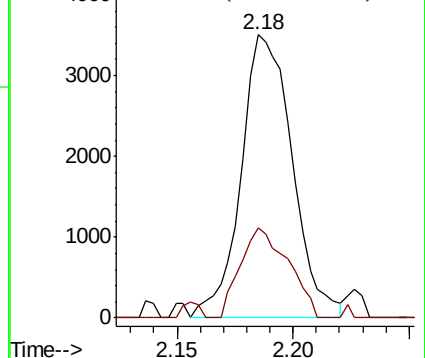
62 100

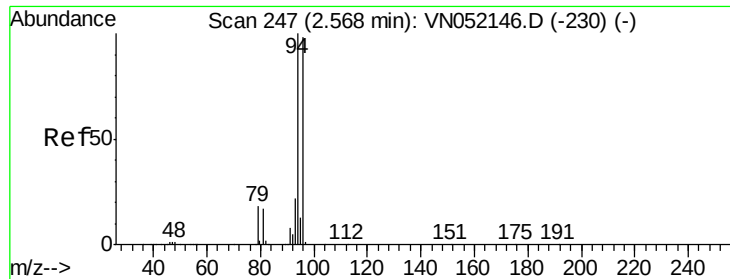
64 31.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 1.223 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.02 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

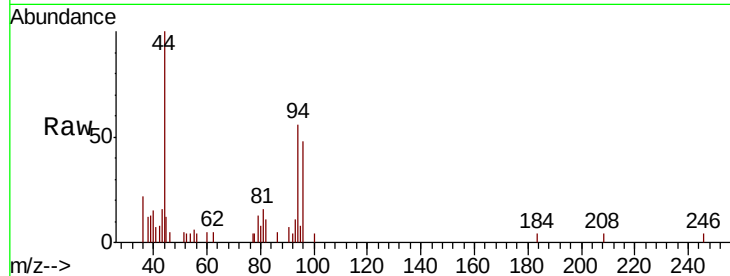
VSTDIC001

Tgt Ion: 94 Resp: 4776

Ion Ratio Lower Upper

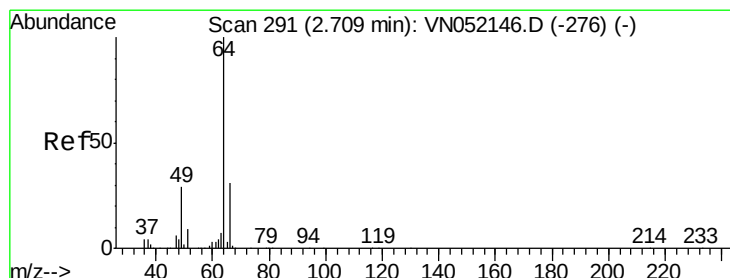
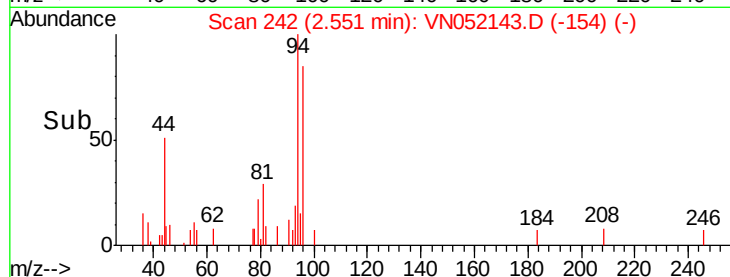
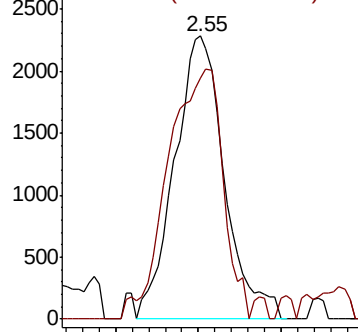
94 100

96 78.8 78.3 117.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.023 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN052143.D

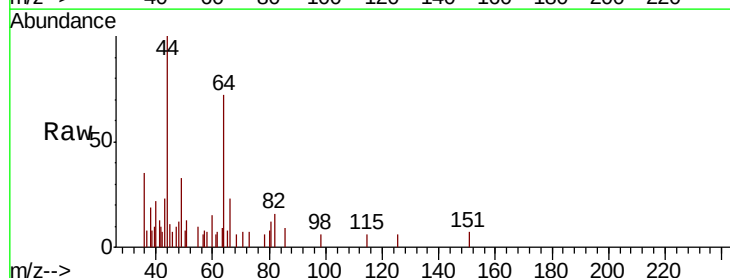
Acq: 5 Nov 2018 12:43

Tgt Ion: 64 Resp: 3419

Ion Ratio Lower Upper

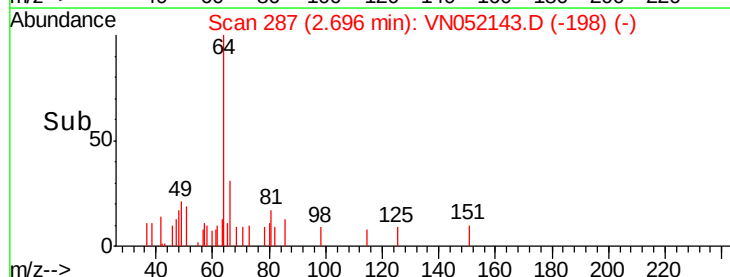
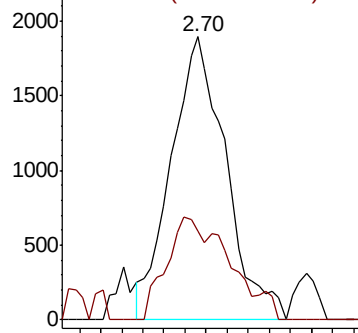
64 100

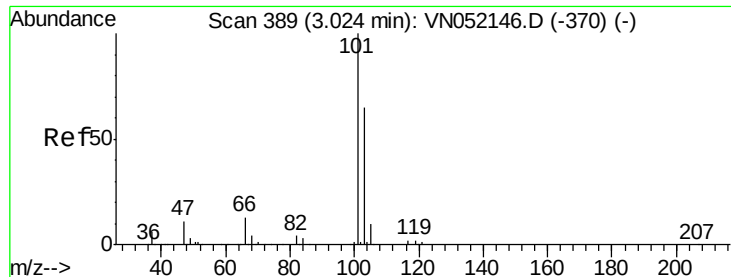
66 31.2 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



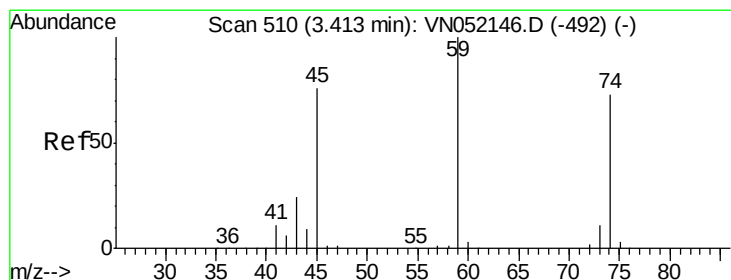
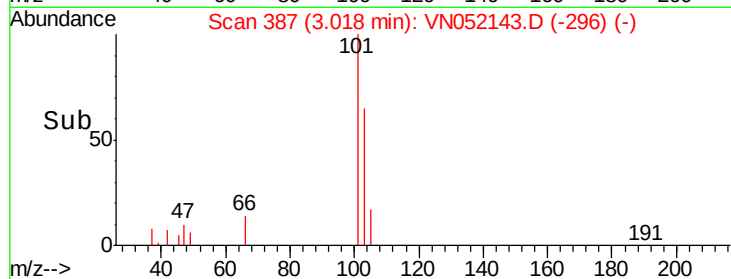
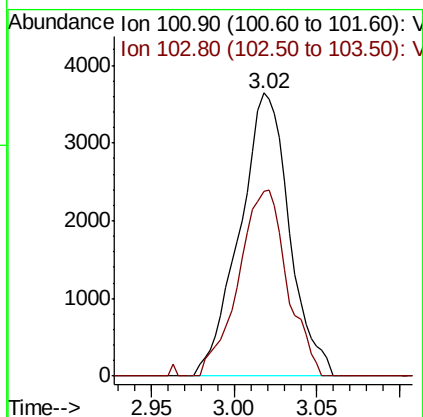
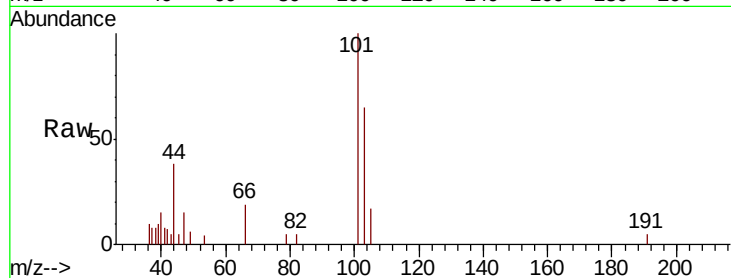


#7

Trichlorofluoromethane
 Concen: 1.002 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

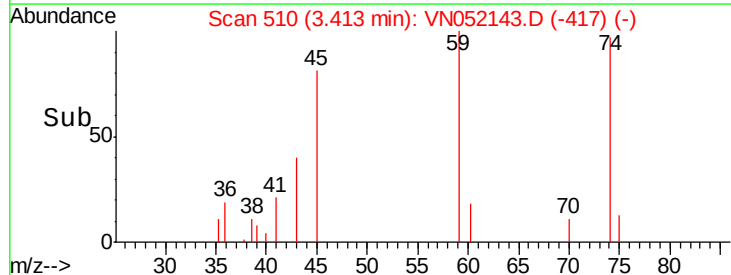
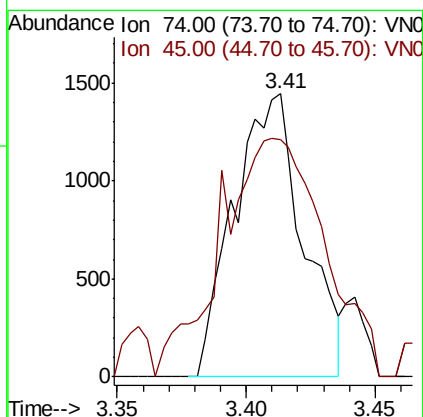
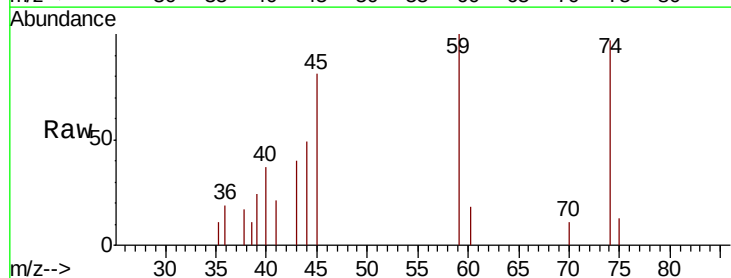
Tgt Ion: 101 Resp: 7604
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.2 78.4

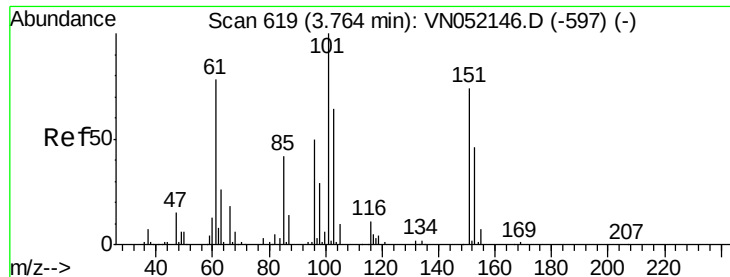


#8

Diethyl Ether
 Concen: 1.021 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion: 74 Resp: 2706
 Ion Ratio Lower Upper
 74 100
 45 125.6 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.956 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

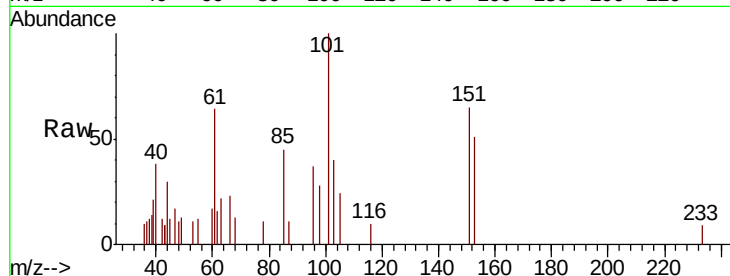
Tgt Ion:101 Resp: 4337

Ion Ratio Lower Upper

101 100

85 9.8 36.1 54.1#

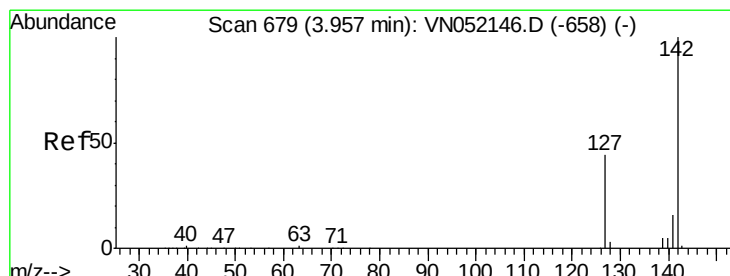
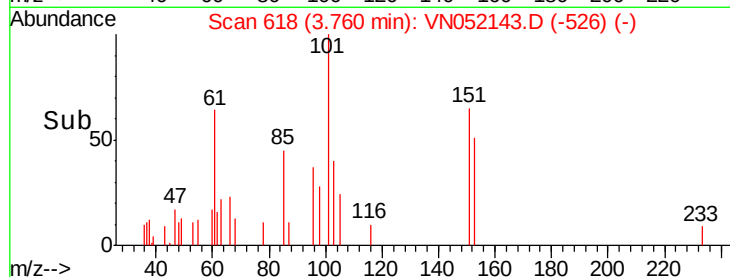
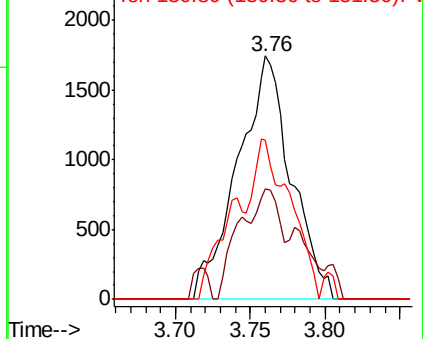
151 45.7 59.7 89.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.793 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

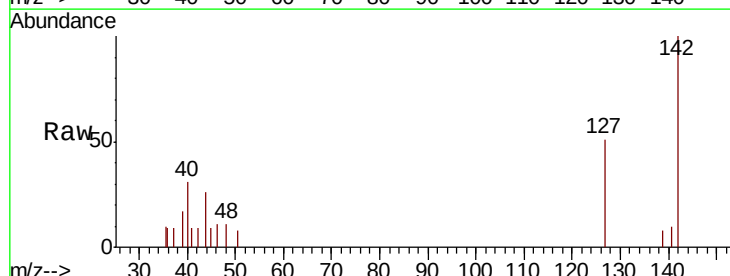
Tgt Ion:142 Resp: 5080

Ion Ratio Lower Upper

142 100

127 46.1 36.0 54.0

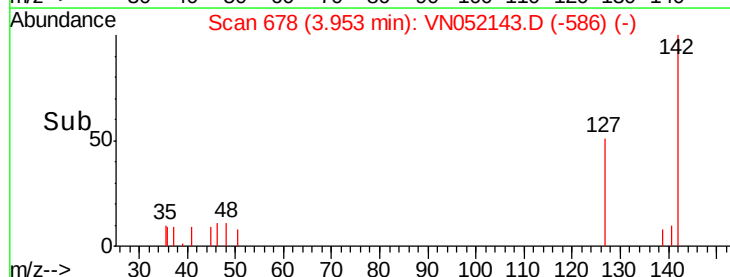
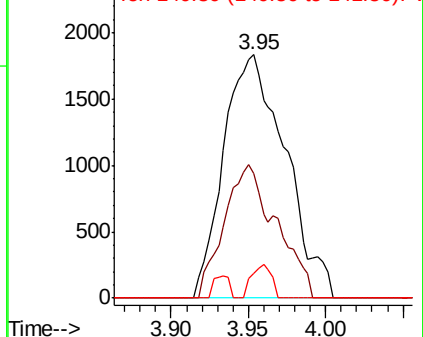
141 4.5 11.8 17.6#

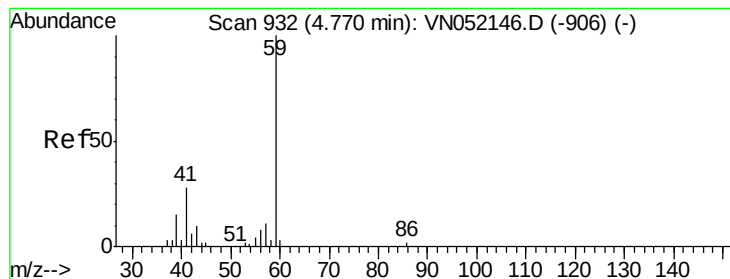


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



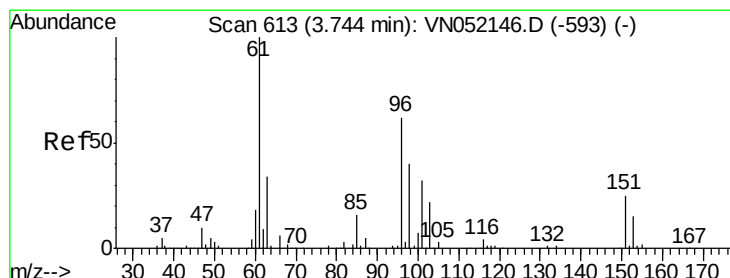
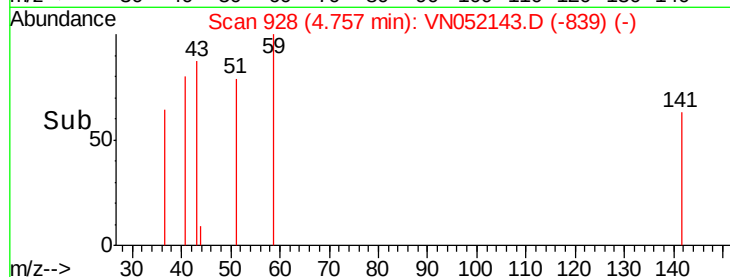
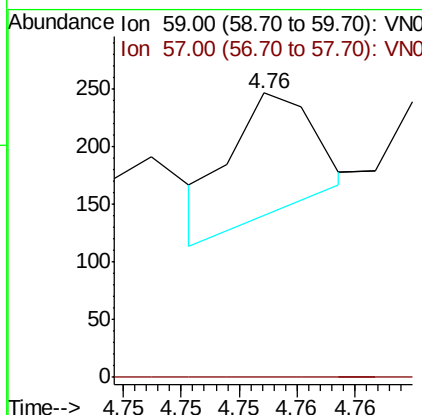
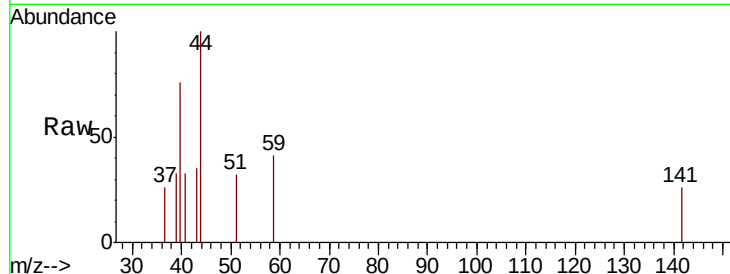


#11

Tert butyl alcohol
 Concen: 0.230 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

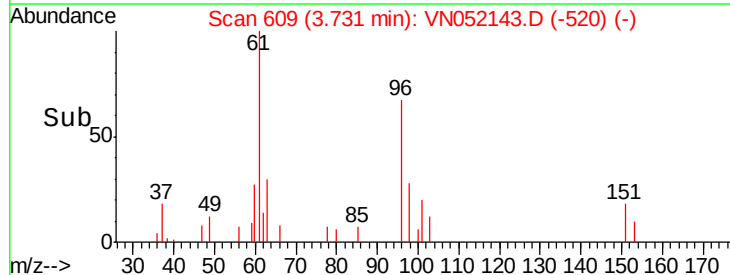
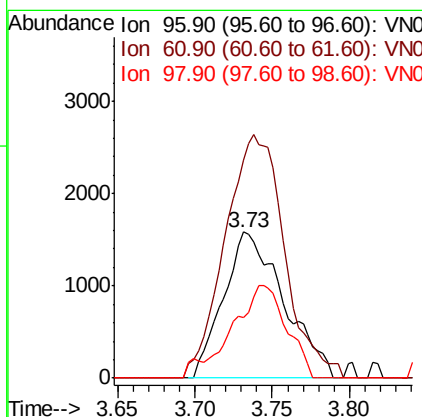
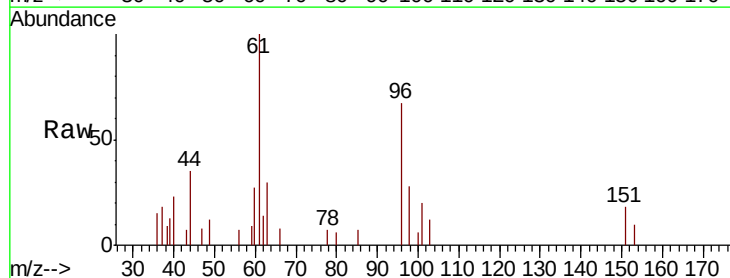
Tgt Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.7 8.5#

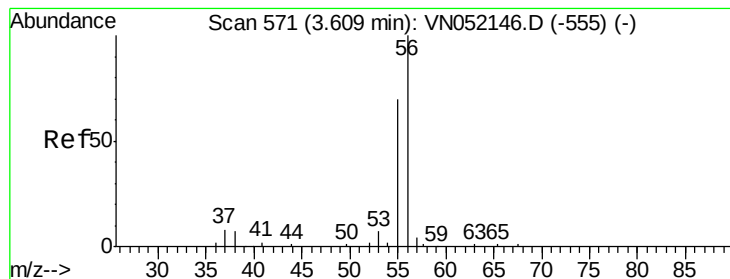


#12

1,1-Dichloroethene
 Concen: 1.005 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion: 96 Resp: 4289
 Ion Ratio Lower Upper
 96 100
 61 139.5 128.4 192.6
 98 41.8 50.9 76.3#





#13

Acrolein

Concen: 6.763 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

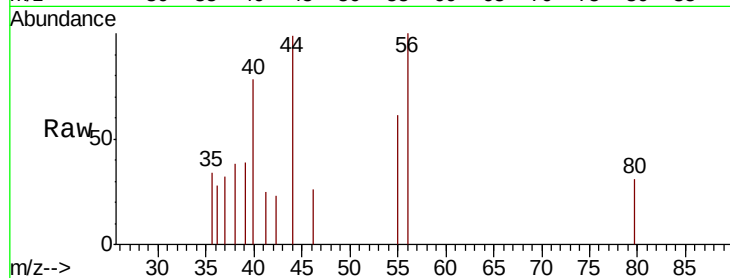
VSTDIC001

Tgt Ion: 56 Resp: 1454

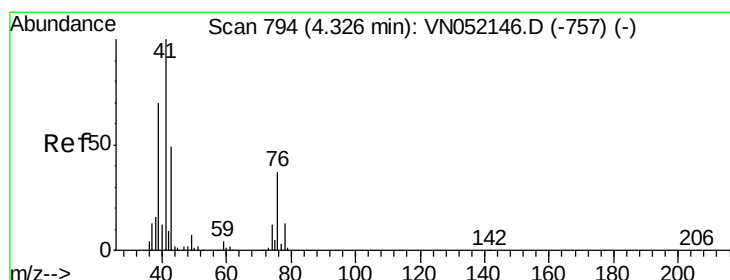
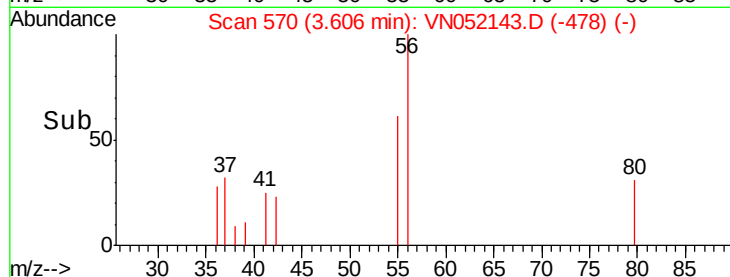
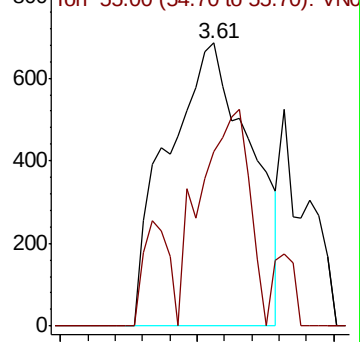
Ion Ratio Lower Upper

56 100

55 44.9 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN052143.D (-478) (-)



#14

Allyl chloride

Concen: 1.029 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

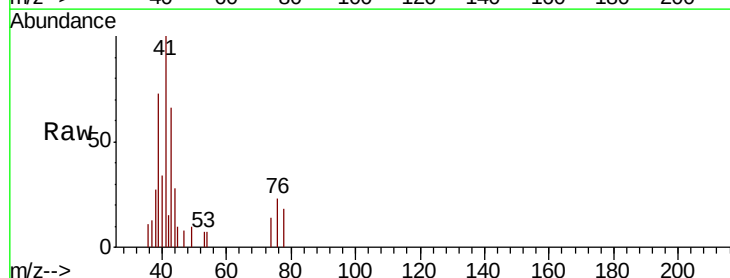
Tgt Ion: 41 Resp: 7330

Ion Ratio Lower Upper

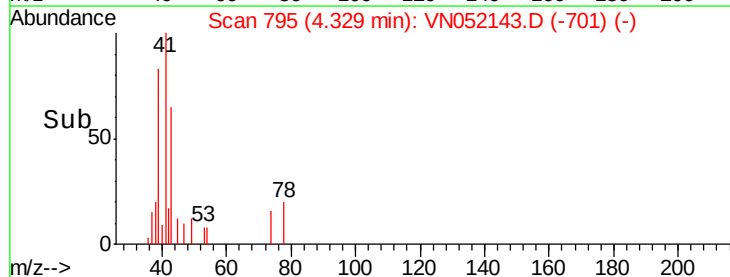
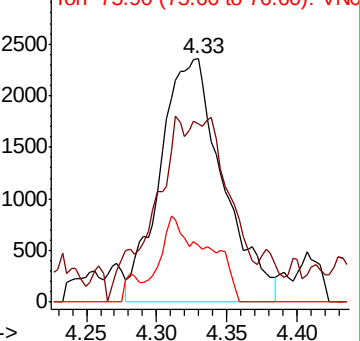
41 100

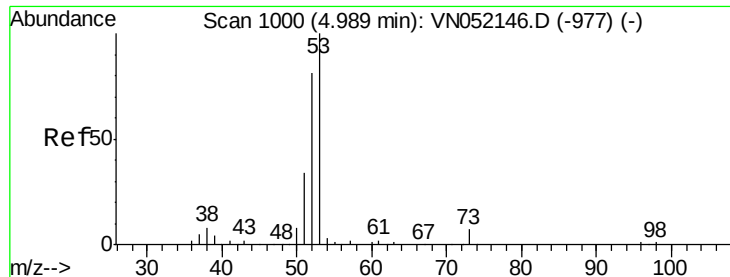
39 39.2 55.3 82.9#

76 26.5 27.8 41.8#



Abundance Ion 41.00 (40.70 to 41.70): VN052143.D (-701) (-)





#15

Acrylonitrile

Concen: 4.745 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

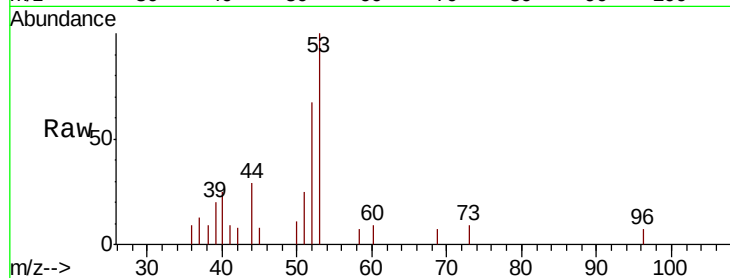
Tgt Ion: 53 Resp: 7465

Ion Ratio Lower Upper

53 100

52 33.9 66.5 99.7#

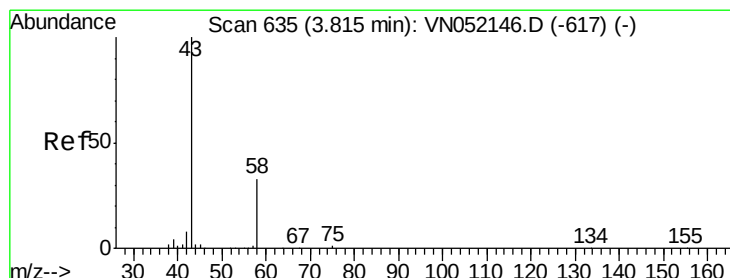
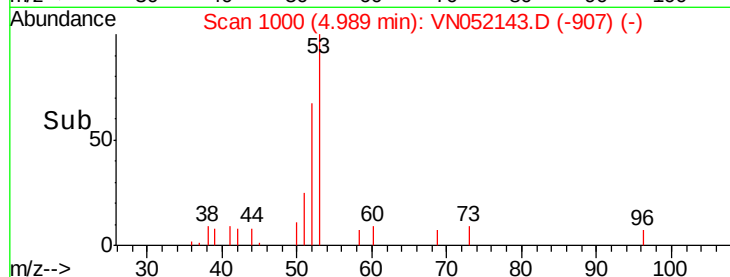
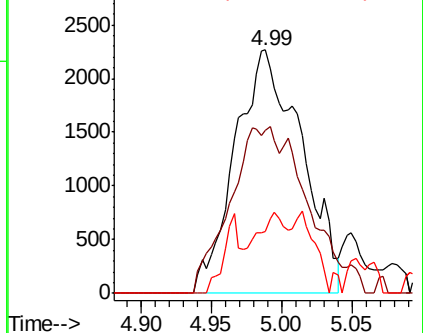
51 5.9 29.2 43.8#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 5.984 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052143.D

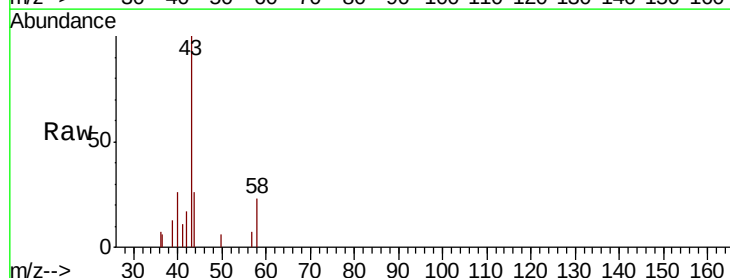
Acq: 5 Nov 2018 12:43

Tgt Ion: 43 Resp: 7451

Ion Ratio Lower Upper

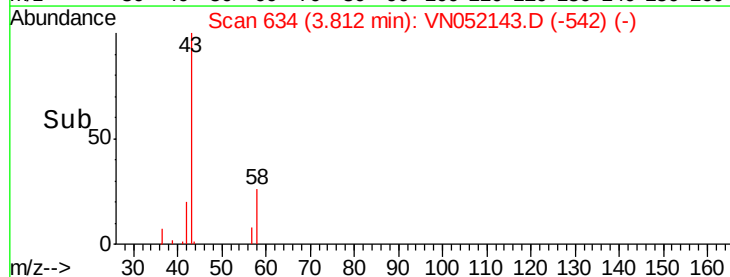
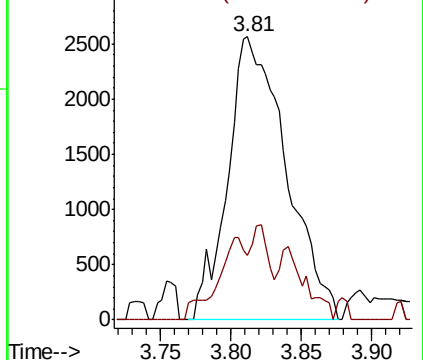
43 100

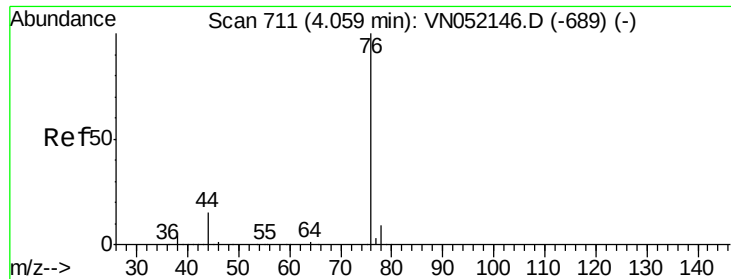
58 16.6 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

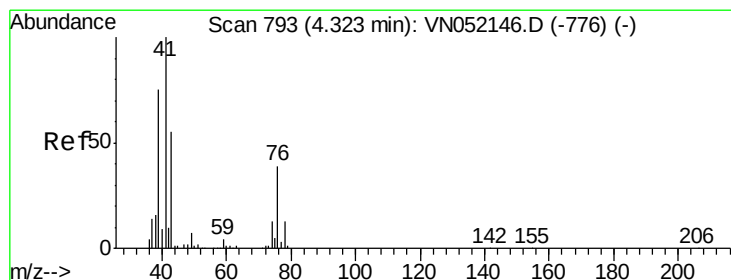
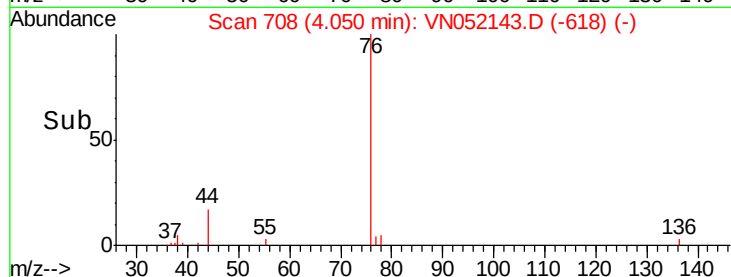
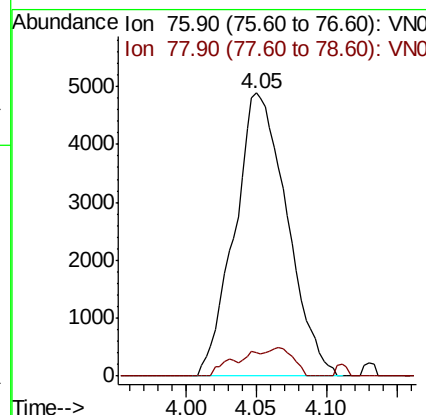
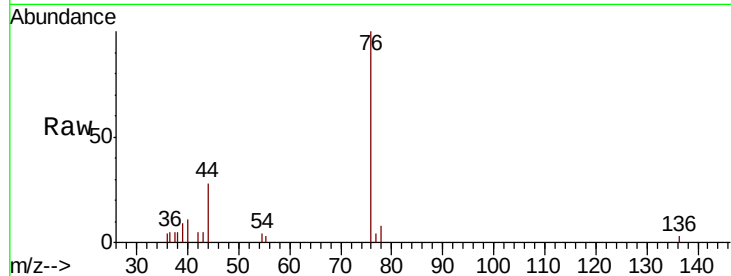




#17
Carbon Disulfide
Concen: 1.040 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.01 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

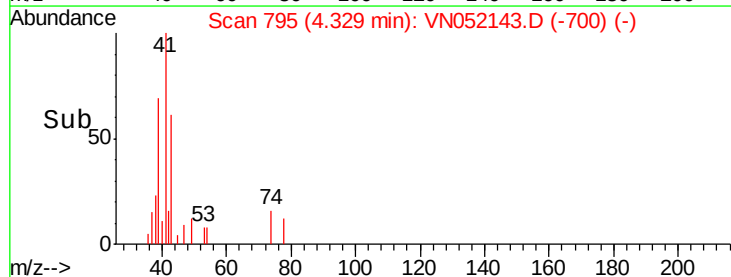
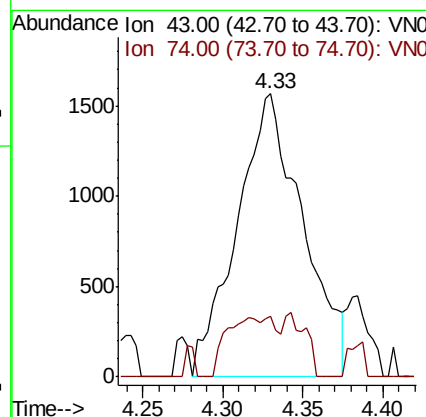
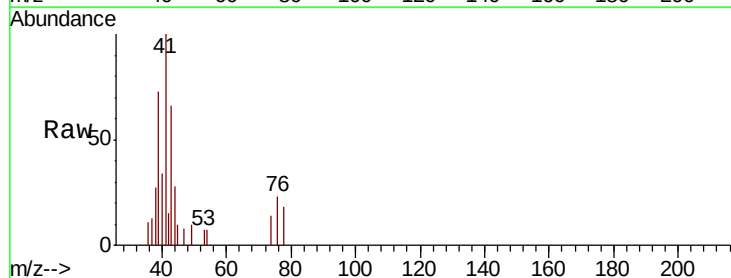
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

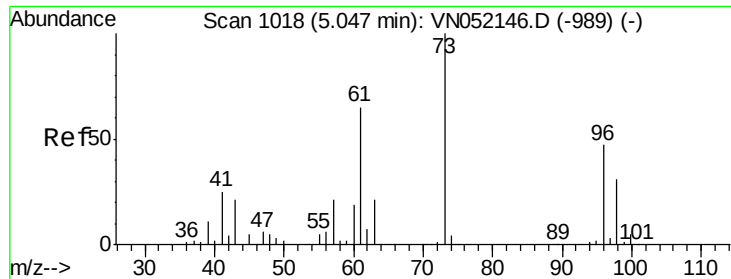
Tgt Ion: 76 Resp: 12670
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6



#18
Methyl Acetate
Concen: 1.154 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion: 43 Resp: 4448
Ion Ratio Lower Upper
43 100
74 7.3 19.3 28.9#

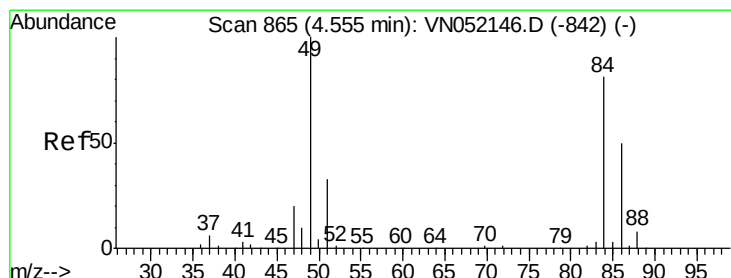
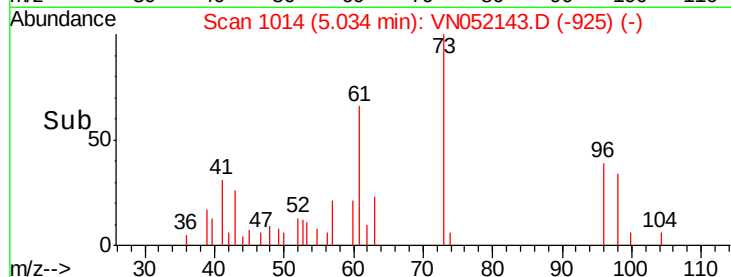
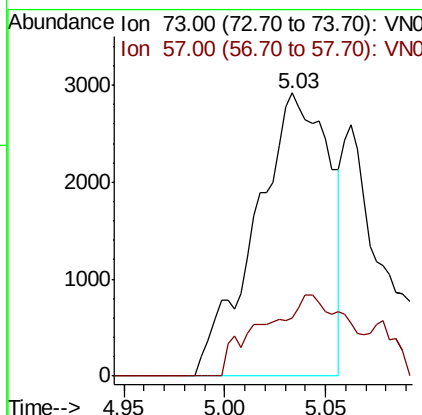
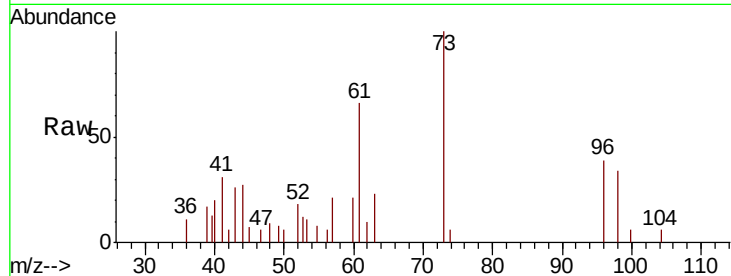




#19
Methyl tert-butyl Ether
Concen: 0.629 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

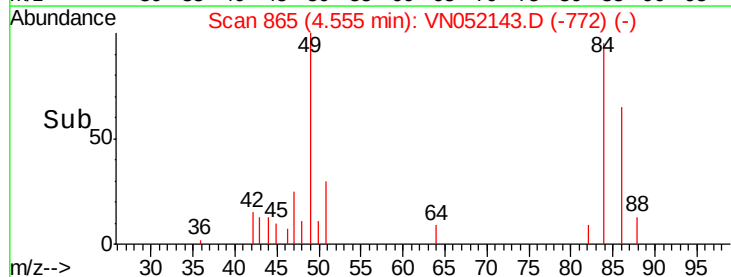
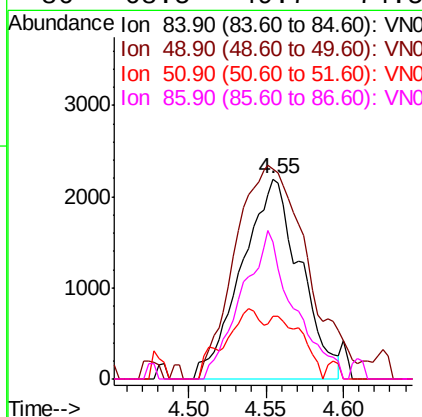
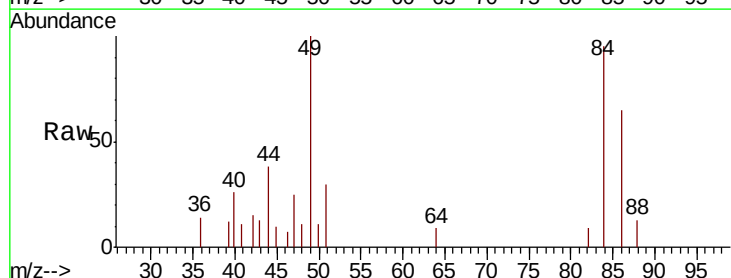
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

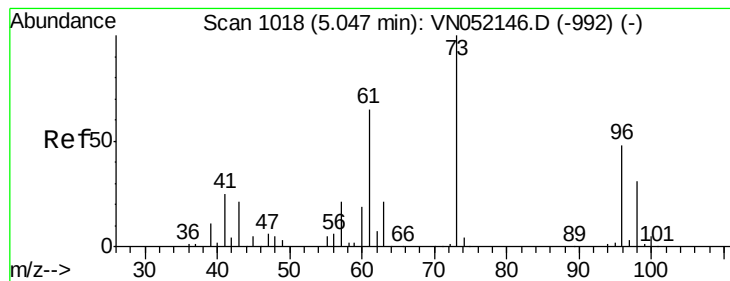
Tgt Ion: 73 Resp: 7402
Ion Ratio Lower Upper
73 100
57 20.7 16.8 25.2



#20
Methylene Chloride
Concen: 1.119 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion: 84 Resp: 5789
Ion Ratio Lower Upper
84 100
49 105.3 98.4 147.6
51 31.1 32.5 48.7#
86 68.5 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 0.699 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

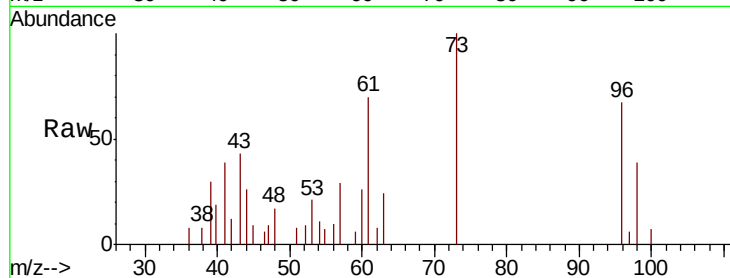
Tgt Ion: 96 Resp: 3104

Ion Ratio Lower Upper

96 100

61 104.3 109.6 164.4#

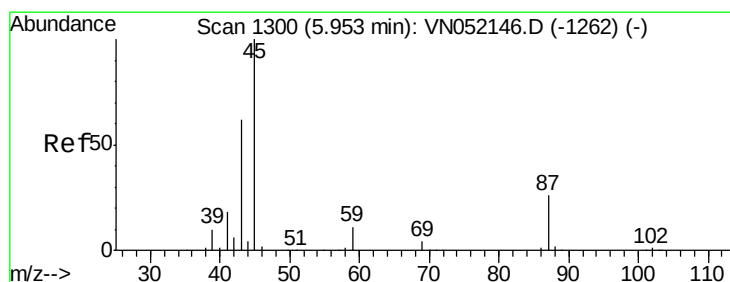
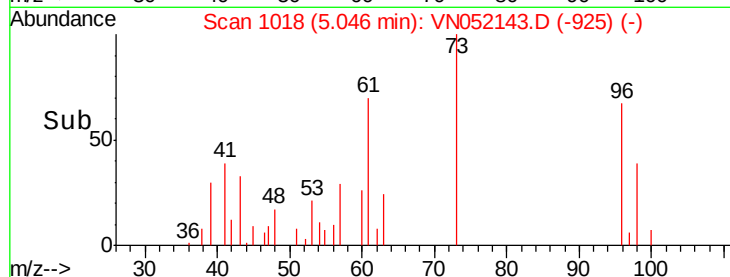
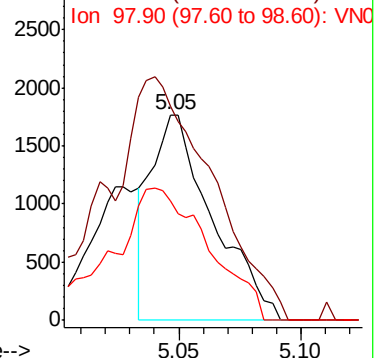
98 58.1 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN052143.D (-925) (-)

Ion 60.90 (60.60 to 61.60): VN052143.D (-925) (-)

Ion 97.90 (97.60 to 98.60): VN052143.D (-925) (-)



#22

Diisopropyl ether

Concen: 0.404 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tgt Ion: 45 Resp: 6350

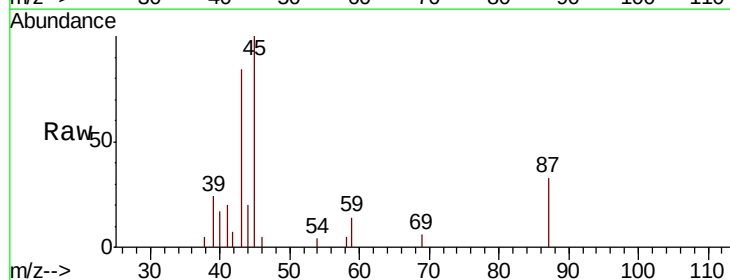
Ion Ratio Lower Upper

45 100

43 2.3 49.8 74.6#

87 30.6 21.1 31.7

59 16.0 8.9 13.3#

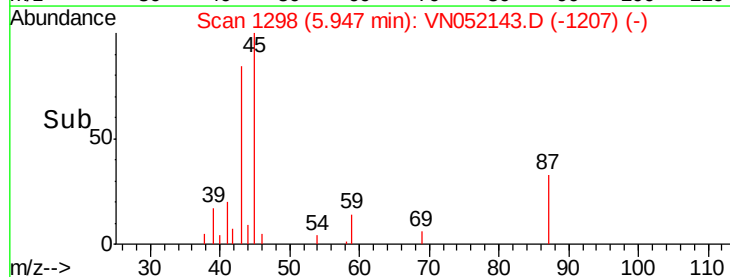
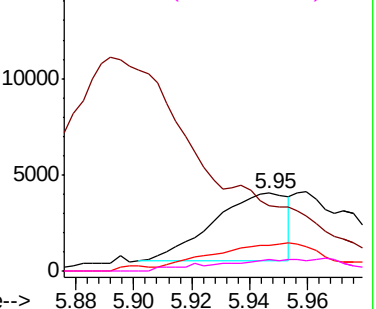


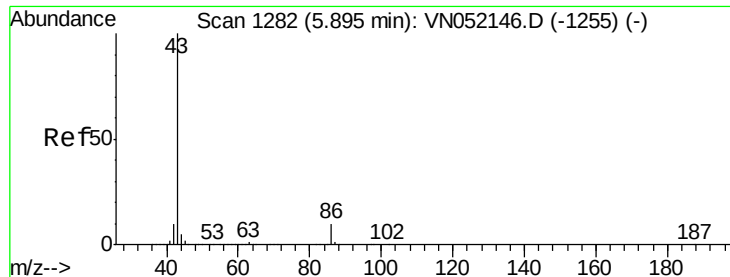
Abundance Ion 45.00 (44.70 to 45.70): VN052143.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN052143.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN052143.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN052143.D (-1207) (-)





#23

Vinyl Acetate

Concen: 4.138 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

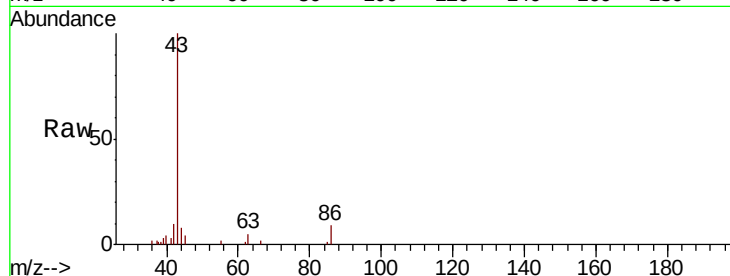
VSTDIC001

Tgt Ion: 43 Resp: 42756

Ion Ratio Lower Upper

43 100

86 8.6 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN052146.D (-1255) (-)

5.89

12000

10000

8000

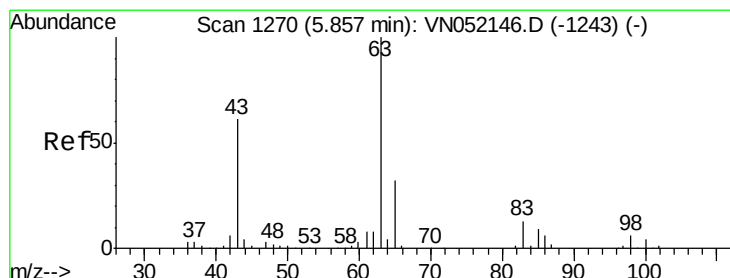
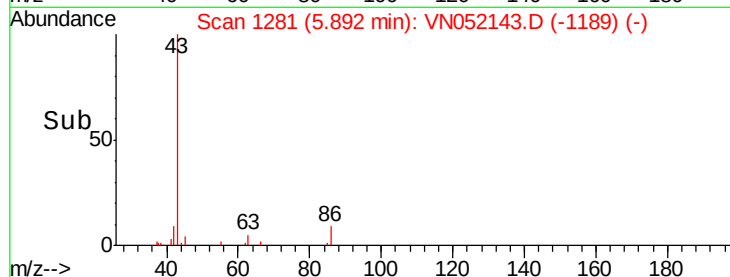
6000

4000

2000

0

Time-->



#24

1,1-Dichloroethane

Concen: 0.983 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

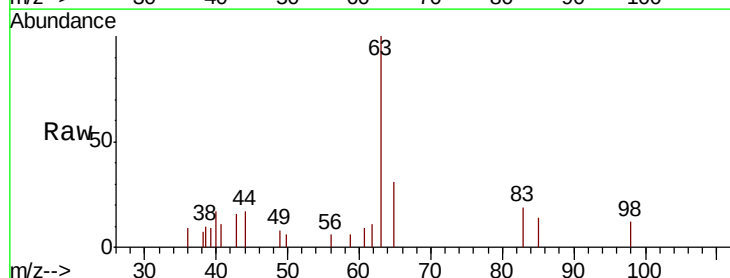
Tgt Ion: 63 Resp: 8734

Ion Ratio Lower Upper

63 100

98 11.8 3.1 9.4#

100 0.0 2.1 6.2#



Abundance Ion 62.90 (62.60 to 63.60): VN052146.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052146.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052146.D (-1243) (-)

5.84

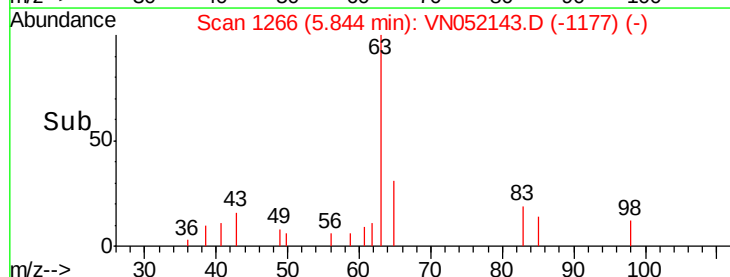
3000

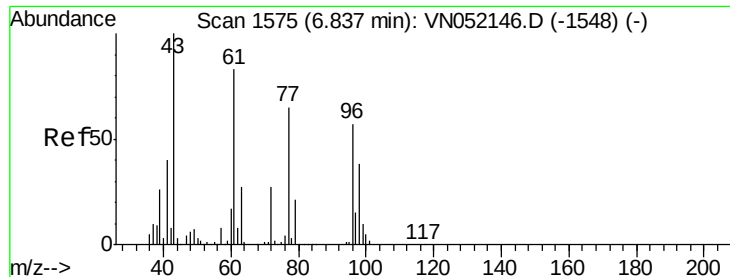
2000

1000

0

Time-->





#25

2-Butanone

Concen: 5.278 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

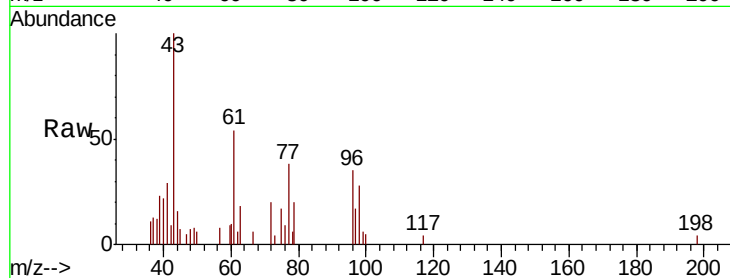
VSTDIC001

Tgt Ion: 43 Resp: 10191

Ion Ratio Lower Upper

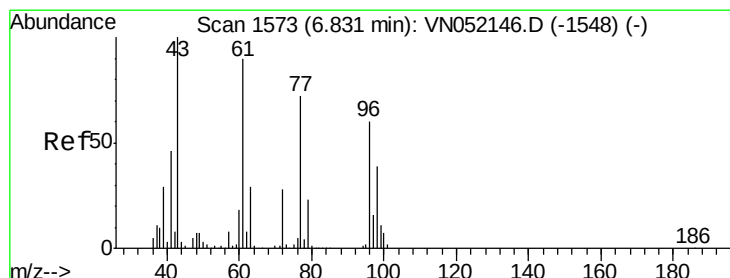
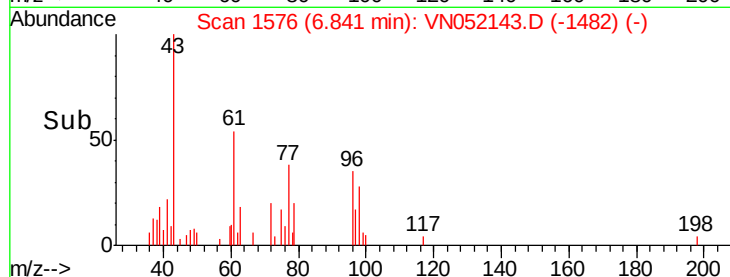
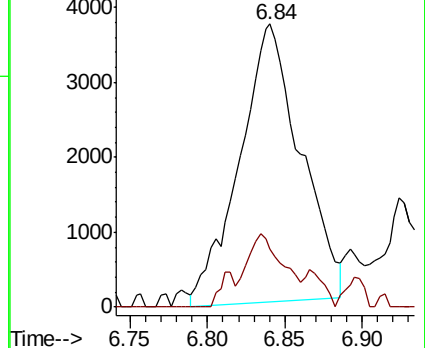
43 100

72 21.3 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 0.965 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN052143.D

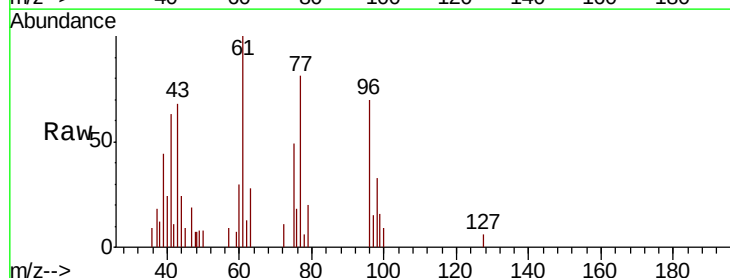
Acq: 5 Nov 2018 12:43

Tgt Ion: 77 Resp: 6705

Ion Ratio Lower Upper

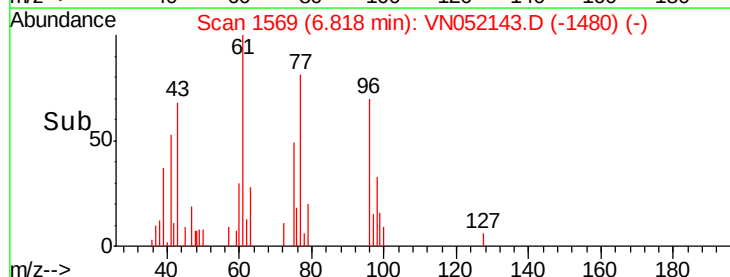
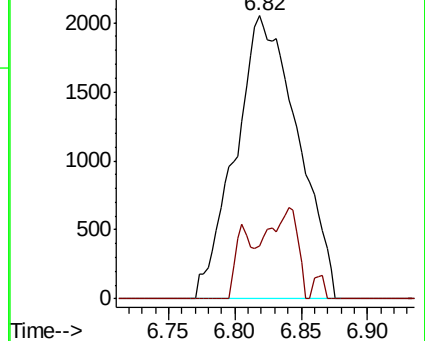
77 100

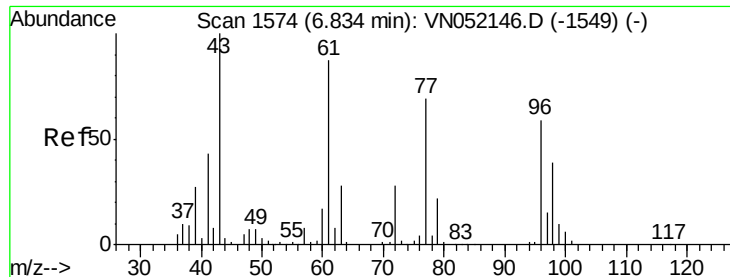
97 7.0 11.4 34.1#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.979 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

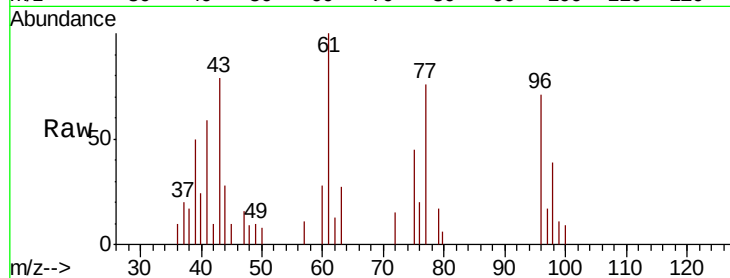
Tgt Ion: 96 Resp: 5275

Ion Ratio Lower Upper

96 100

61 91.6 0.0 291.8

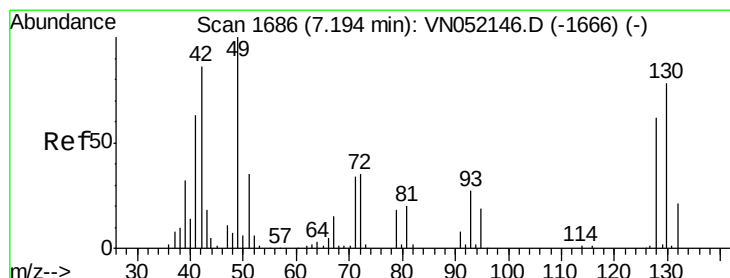
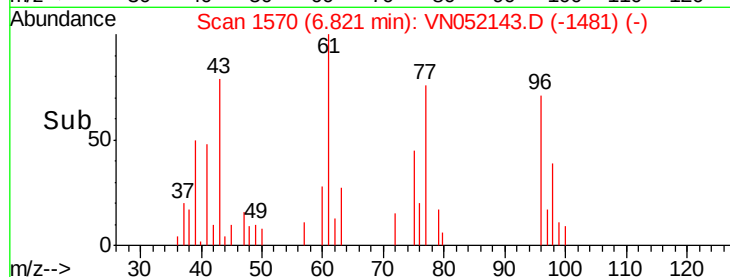
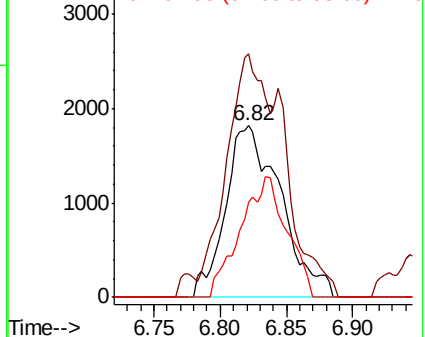
98 59.3 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 1.040 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

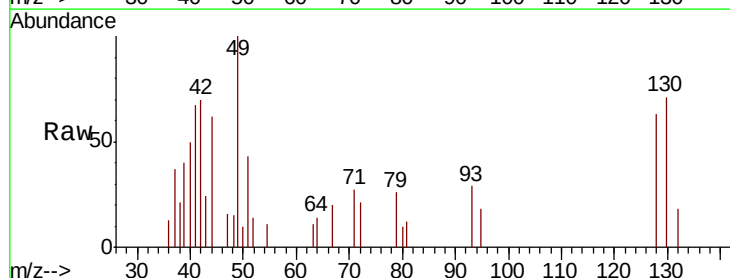
Tgt Ion: 49 Resp: 4376

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

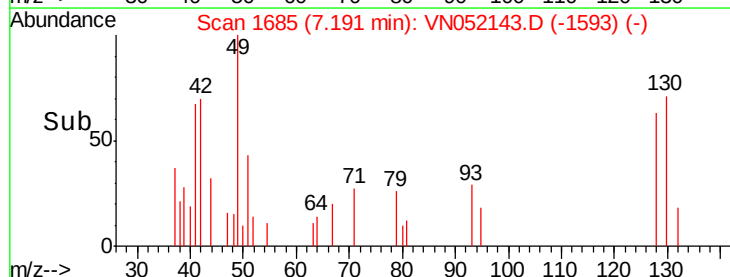
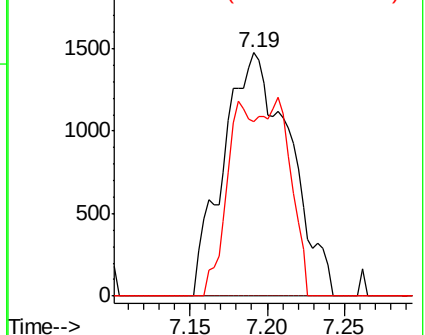
130 32.1 59.8 89.6#

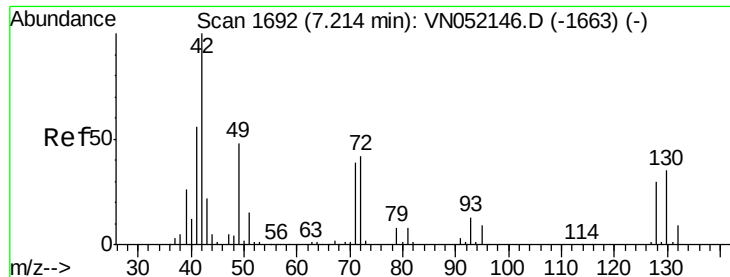


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 4.810 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

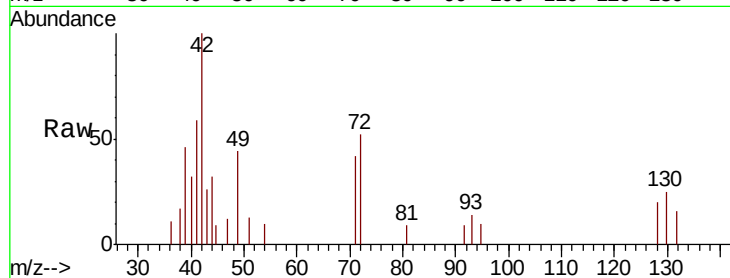
Tgt Ion: 42 Resp: 5746

Ion Ratio Lower Upper

42 100

72 39.3 32.3 48.5

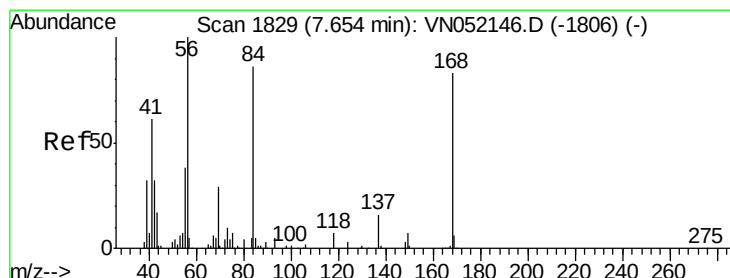
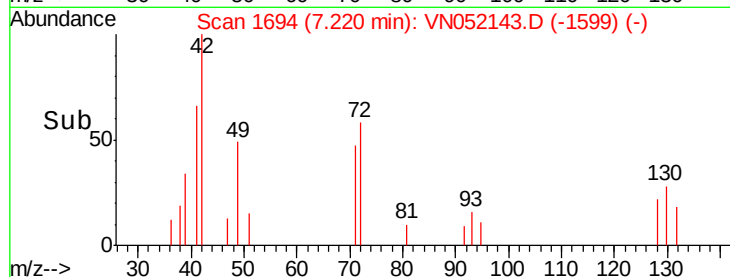
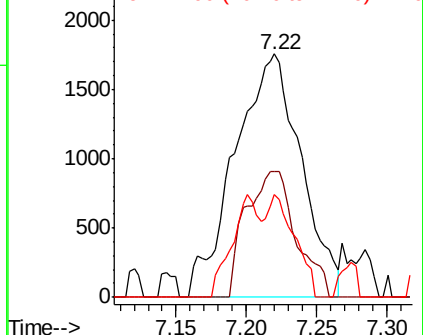
71 16.3 31.0 46.6#



Abundance Ion 42.00 (41.70 to 42.70): VN052146.D (-1663) (-)

Ion 72.00 (71.70 to 72.70): VN052146.D (-1663) (-)

Ion 71.00 (70.70 to 71.70): VN052146.D (-1663) (-)



#31

Cyclohexane

Concen: 1.715 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

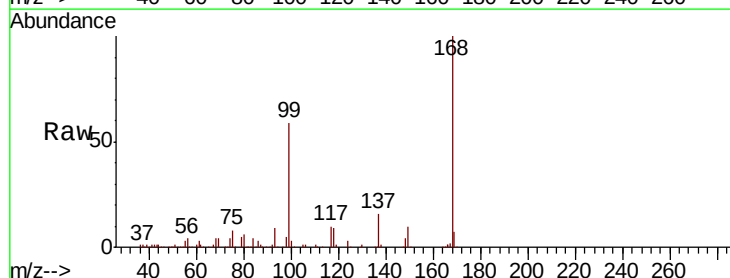
Tgt Ion: 56 Resp: 17213

Ion Ratio Lower Upper

56 100

69 116.5 23.5 35.3#

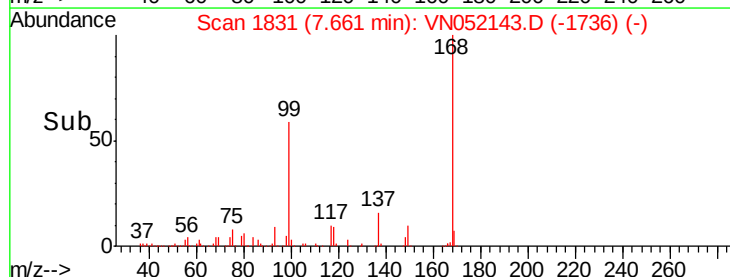
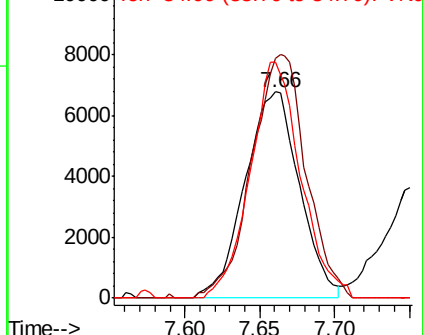
84 114.1 68.7 103.1#

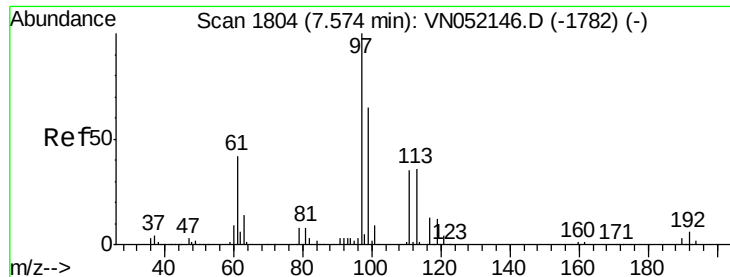


Abundance Ion 56.00 (55.70 to 56.70): VN052146.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052146.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052146.D (-1806) (-)

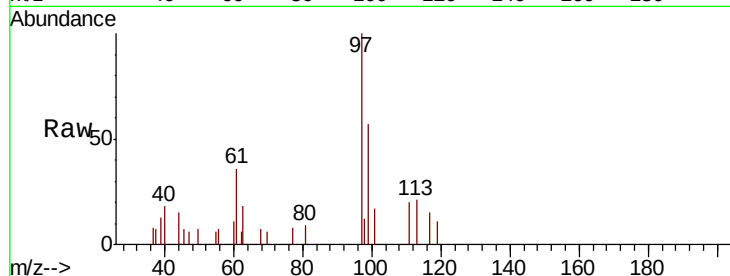




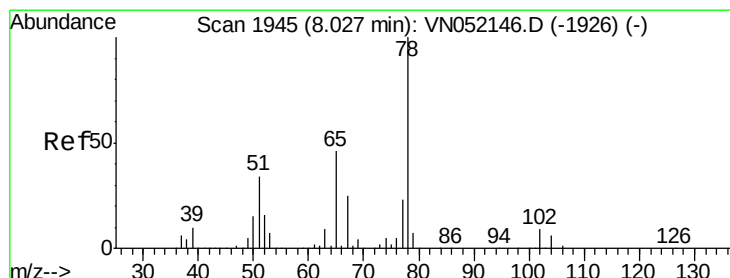
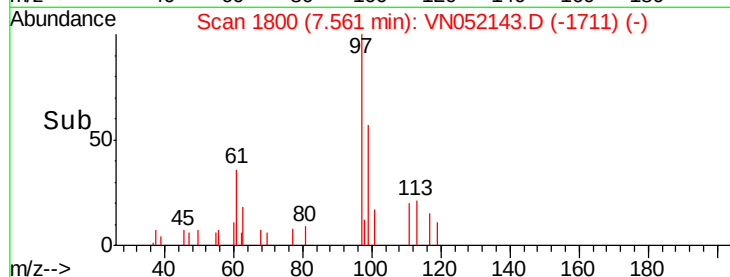
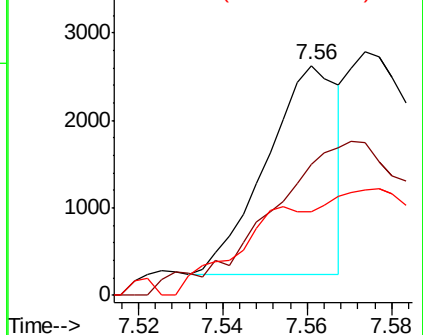
#32
 1,1,1-Trichloroethane
 Concen: 0.361 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 97 Resp: 2833
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.6 77.4#
 61 44.6 35.1 52.7

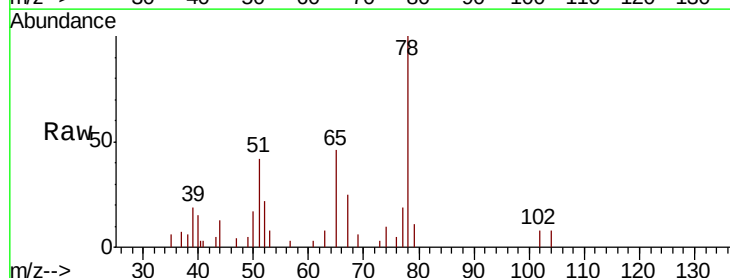


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0

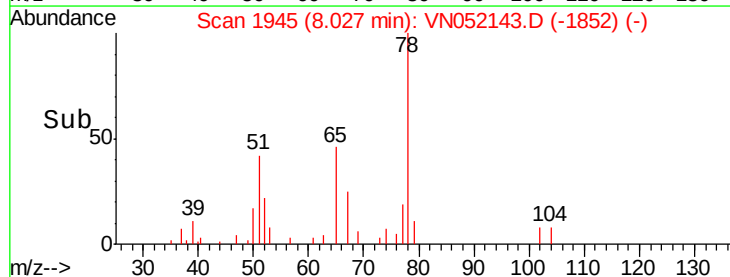
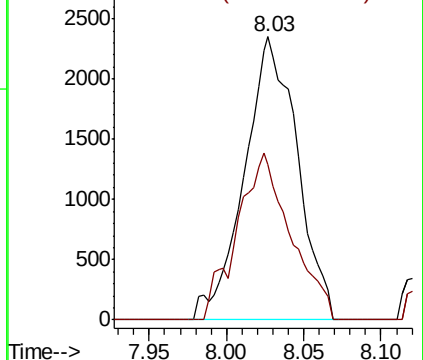


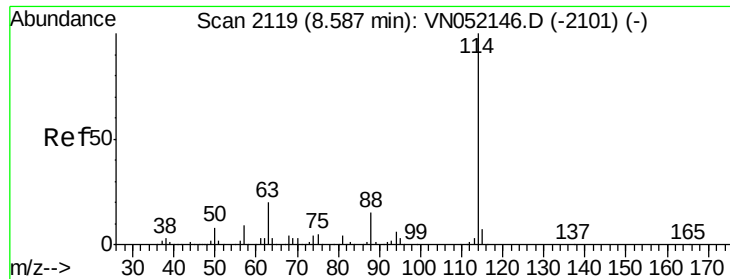
#33
 1,2-Dichloroethane-d4
 Concen: 0.361 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion: 65 Resp: 5587
 Ion Ratio Lower Upper
 65 100
 67 59.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
 Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

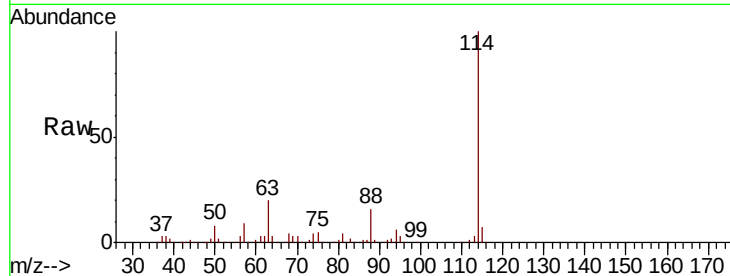
Tgt Ion:114 Resp: 771285

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

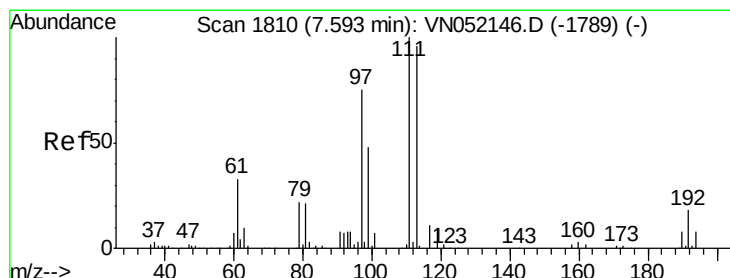
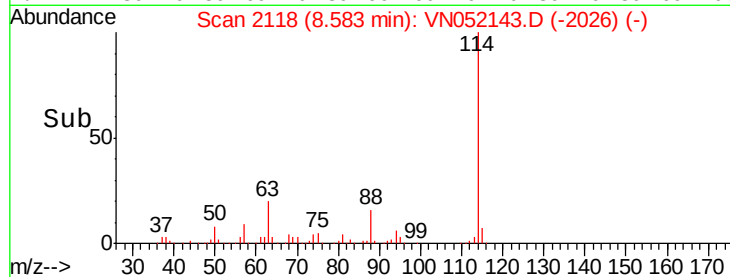
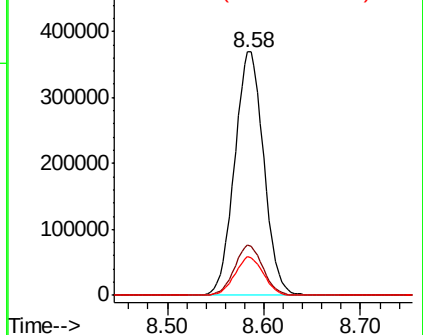
88 15.9 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

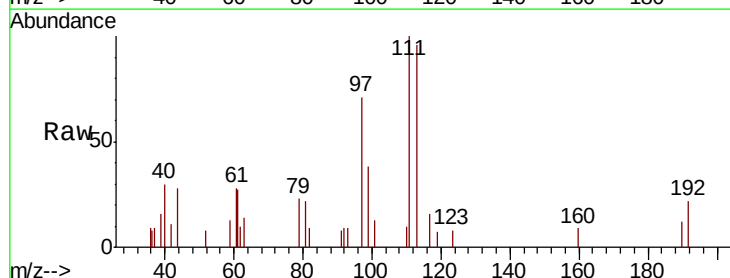
Tgt Ion:113 Resp: 5227

Ion Ratio Lower Upper

113 100

111 94.4 81.7 122.5

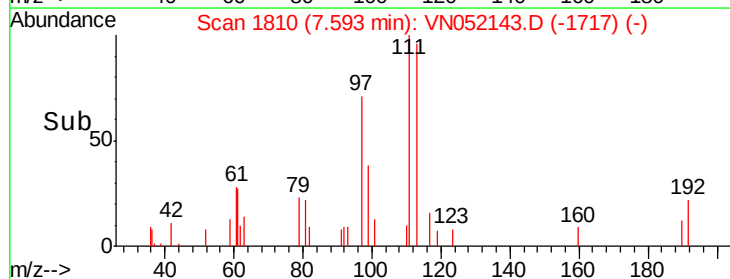
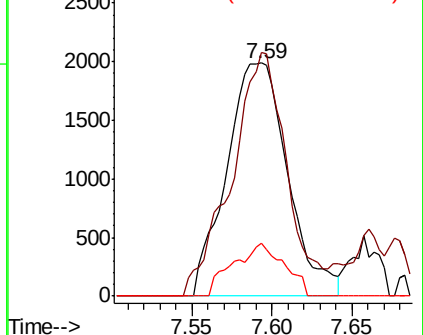
192 18.9 14.2 21.4

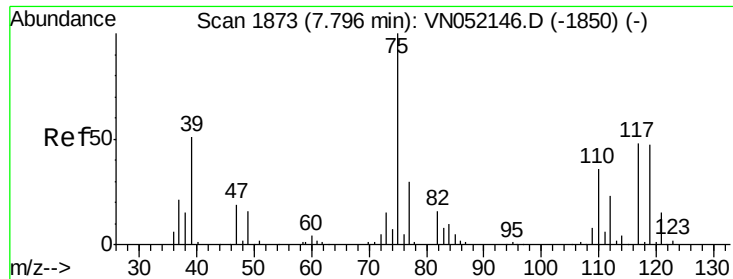


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

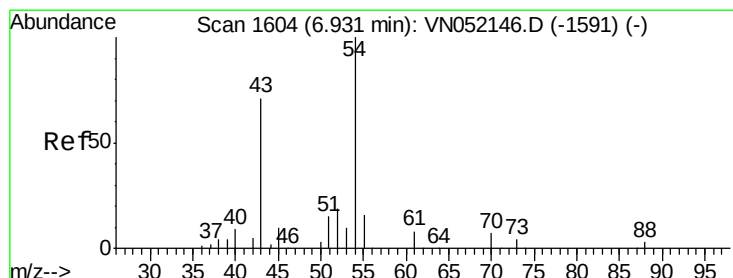
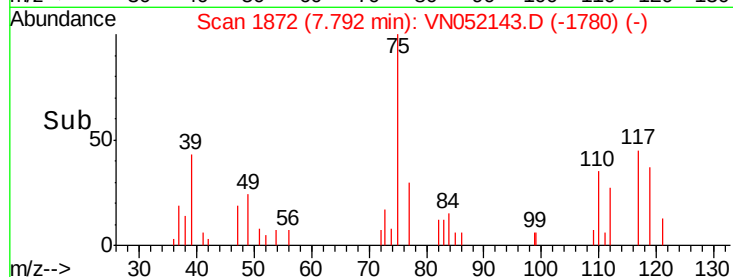
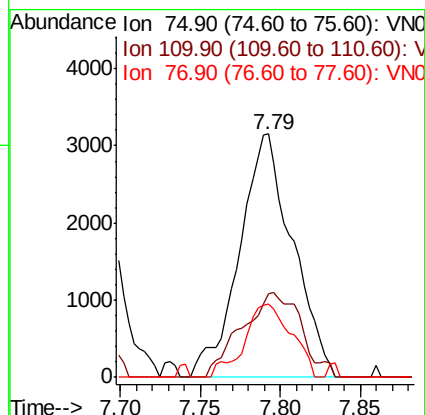
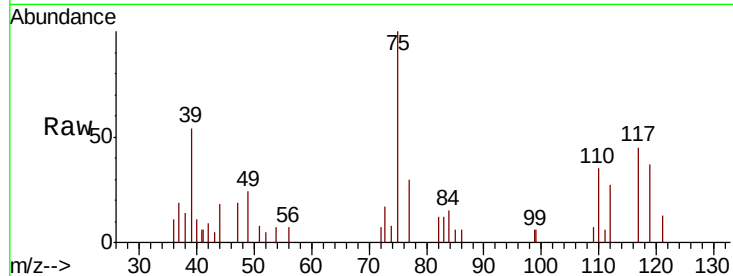




#36
 1,1-Dichloropropene
 Concen: 1.056 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

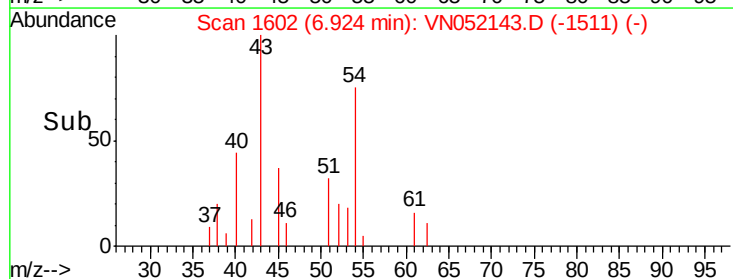
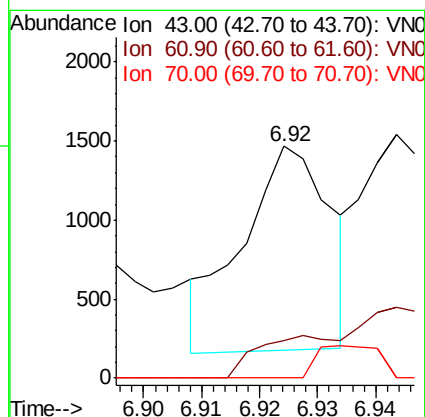
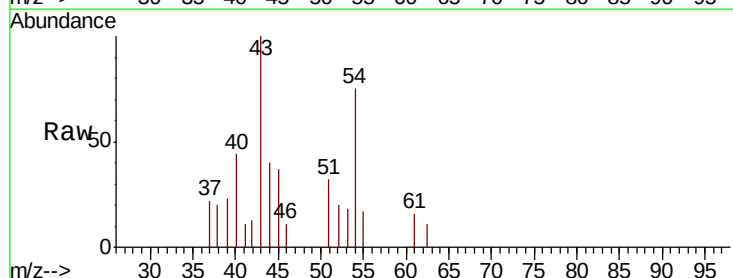
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

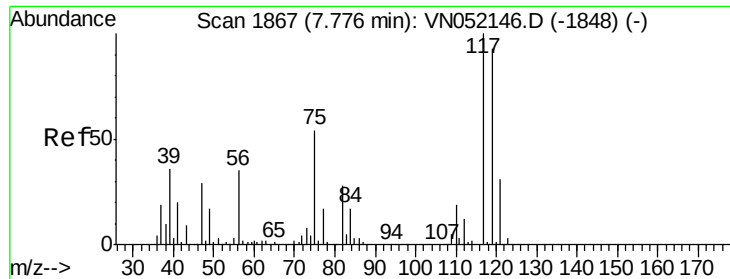
Tgt Ion: 75 Resp: 7202
 Ion Ratio Lower Upper
 75 100
 110 38.9 17.8 53.5
 77 26.6 24.0 36.0



#37
 Ethyl Acetate
 Concen: 0.317 ug/l
 RT: 6.92 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion: 43 Resp: 1360
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.4 14.2#
 70 11.3 7.6 11.4

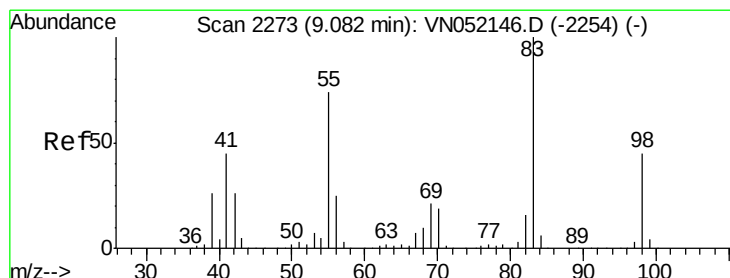
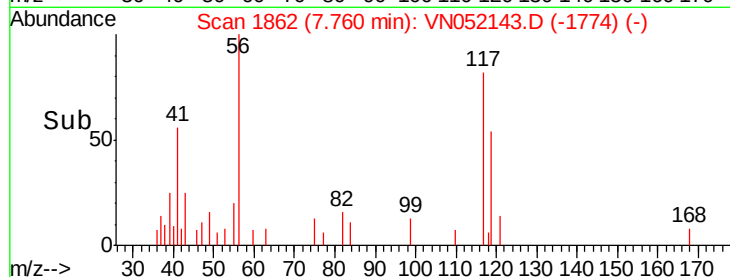
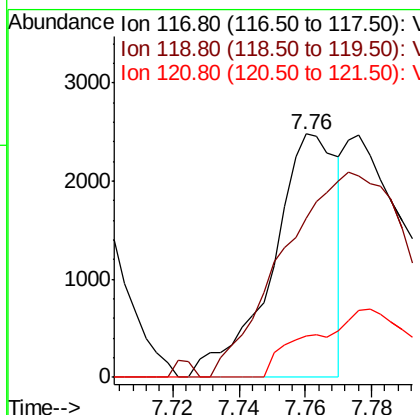
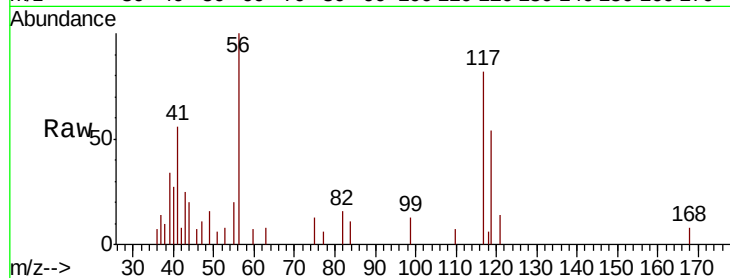




#38
Carbon Tetrachloride
Concen: 0.495 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. -0.02 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

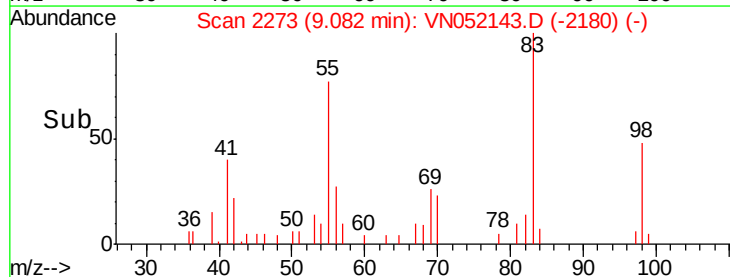
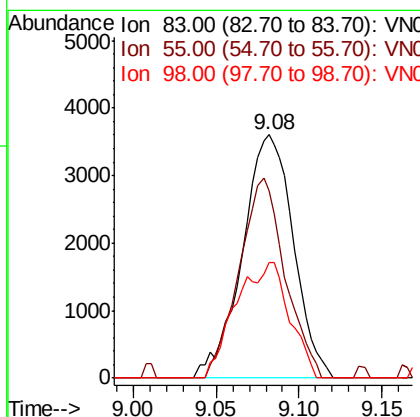
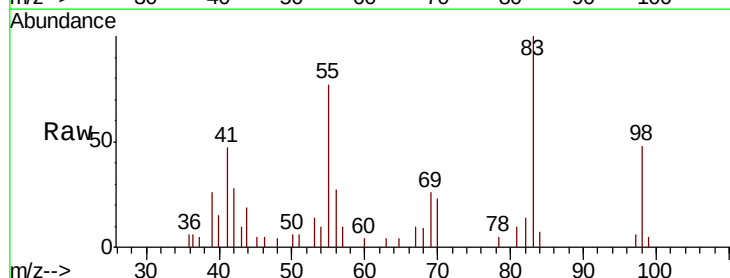
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

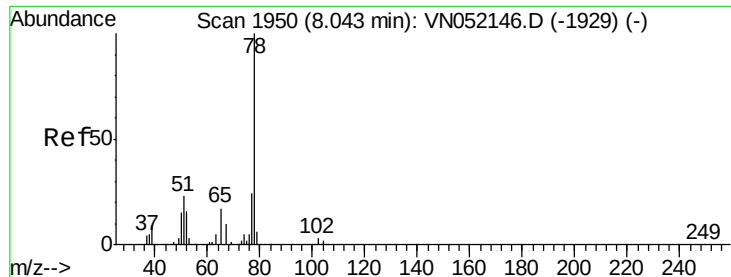
Tgt Ion: 117 Resp: 3377
Ion Ratio Lower Upper
117 100
119 59.0 74.7 112.1#
121 16.9 24.5 36.7#



#39
Methylcyclohexane
Concen: 0.954 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion: 83 Resp: 7709
Ion Ratio Lower Upper
83 100
55 76.8 59.4 89.2
98 47.7 36.3 54.5





#40

Benzene

Concen: 0.963 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

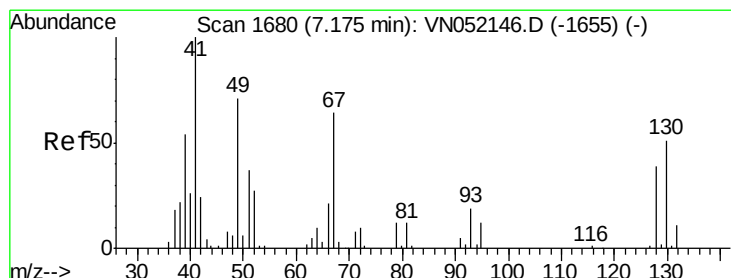
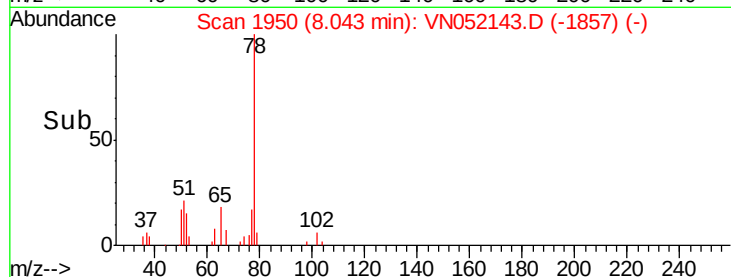
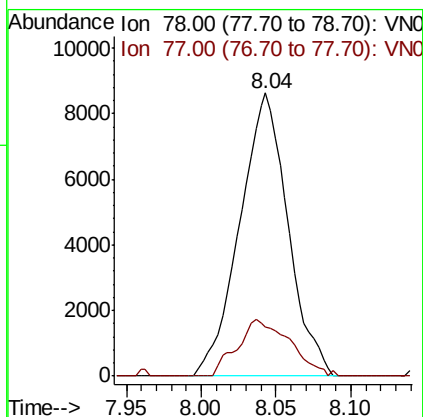
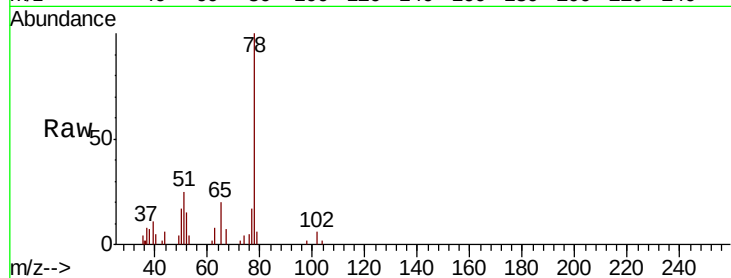
VSTDIC001

Tgt Ion: 78 Resp: 19320

Ion Ratio Lower Upper

78 100

77 17.3 19.1 28.7#



#41

Methacrylonitrile

Concen: 0.539 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tgt Ion: 41 Resp: 1190

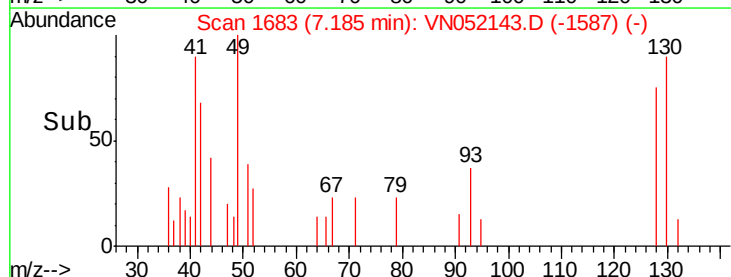
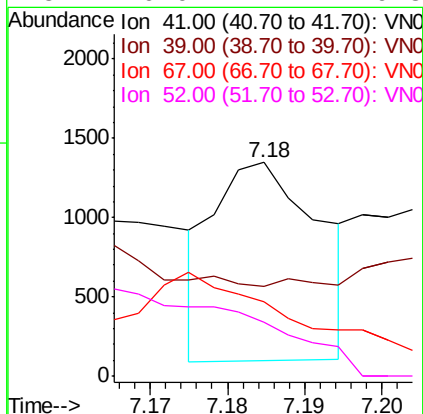
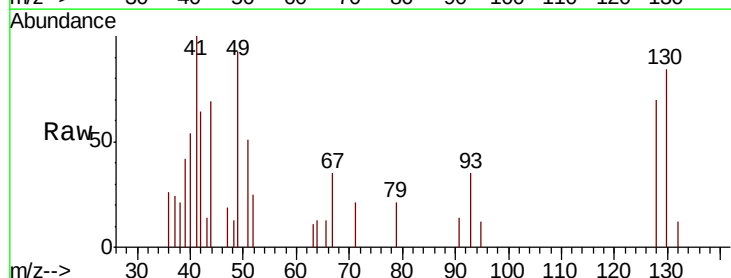
Ion Ratio Lower Upper

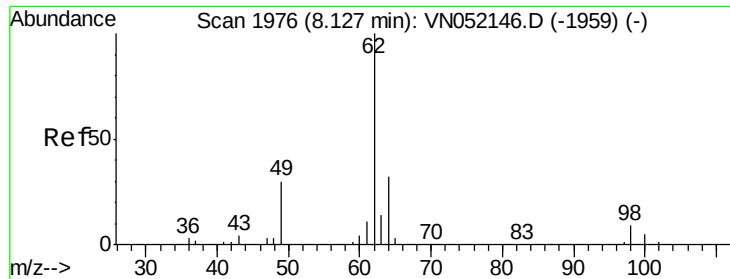
41 100

39 0.0 49.6 74.4#

67 82.9 65.4 98.2

52 0.0 27.2 40.8#

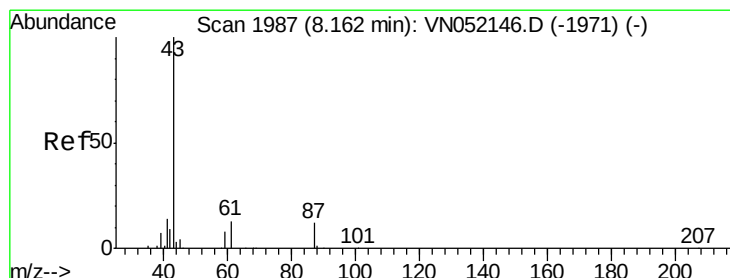
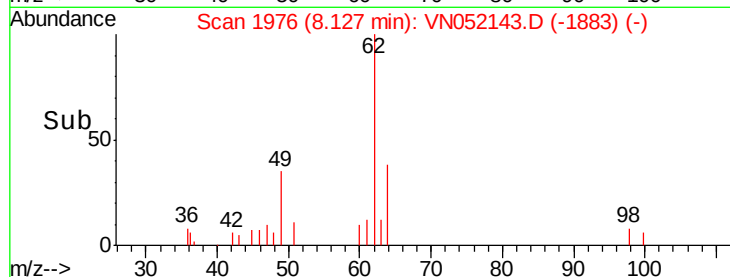
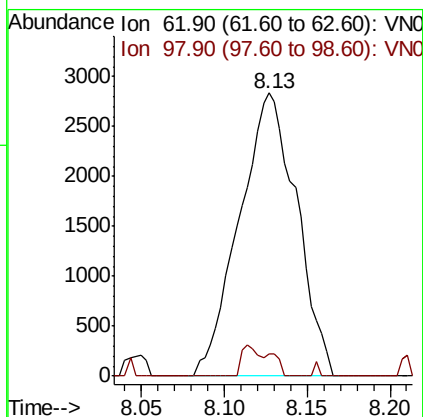
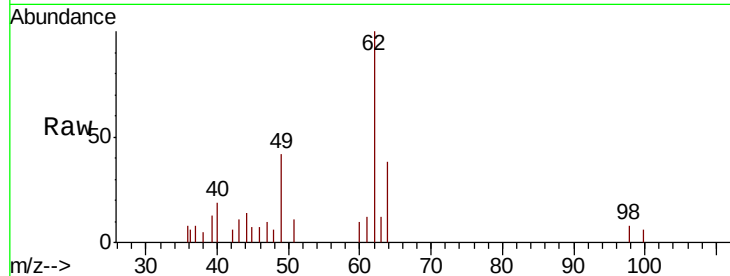




#42
 1,2-Dichloroethane
 Concen: 1.052 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

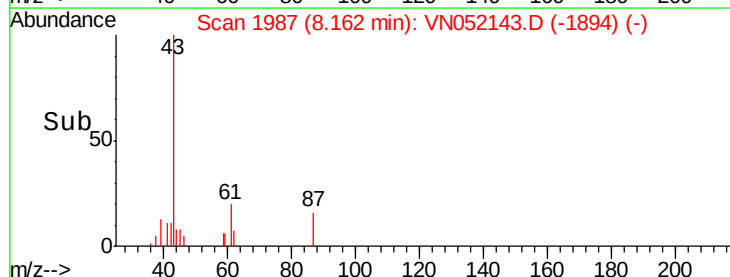
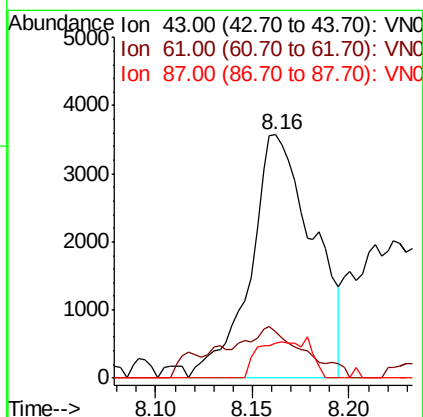
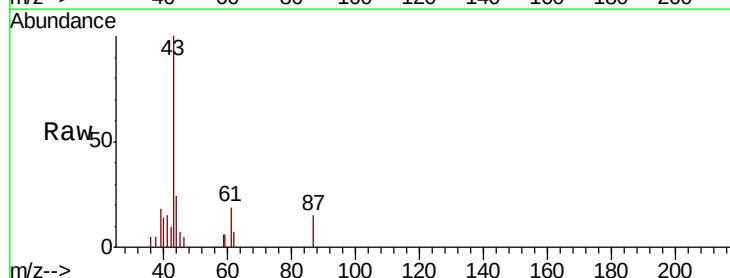
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

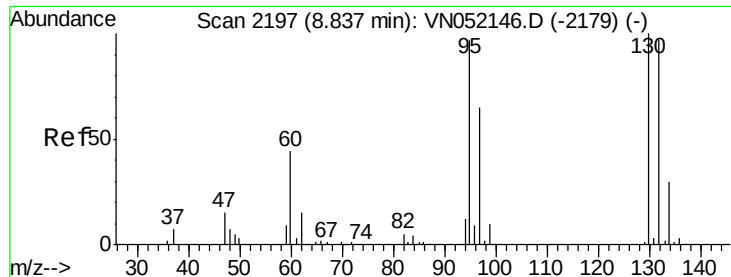
Tgt Ion: 62 Resp: 6782
 Ion Ratio Lower Upper
 62 100
 98 3.6 0.0 18.2



#43
 Isopropyl Acetate
 Concen: 1.036 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion: 43 Resp: 8064
 Ion Ratio Lower Upper
 43 100
 61 19.4 21.5 32.3#
 87 12.9 10.2 15.2





#44

Trichloroethene

Concen: 1.014 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

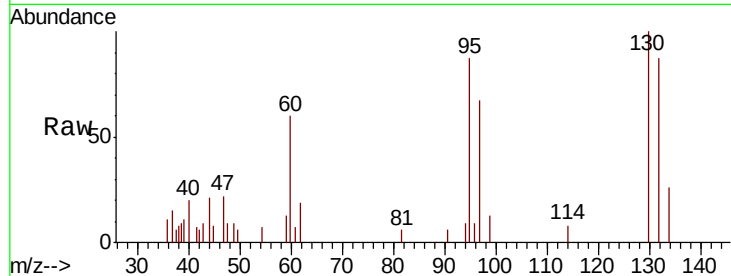
VSTDIC001

Tgt Ion:130 Resp: 5387

Ion Ratio Lower Upper

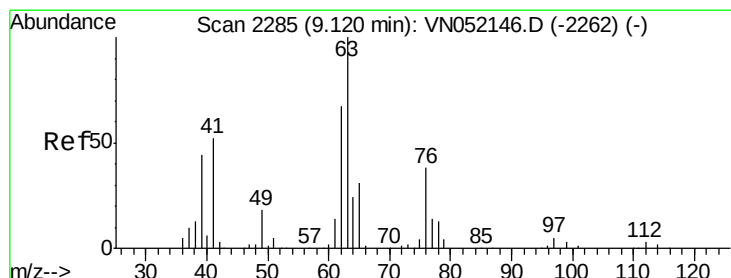
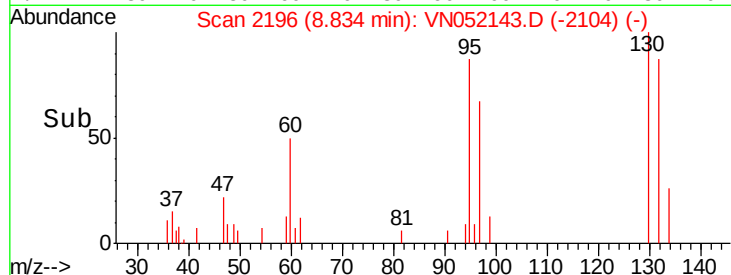
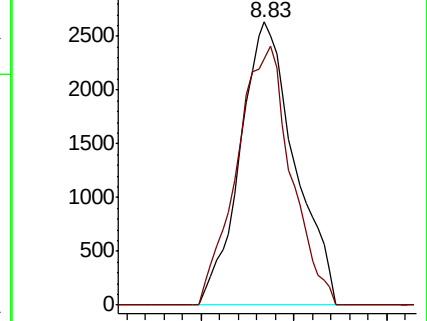
130 100

95 87.1 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 0.983 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VN052143.D

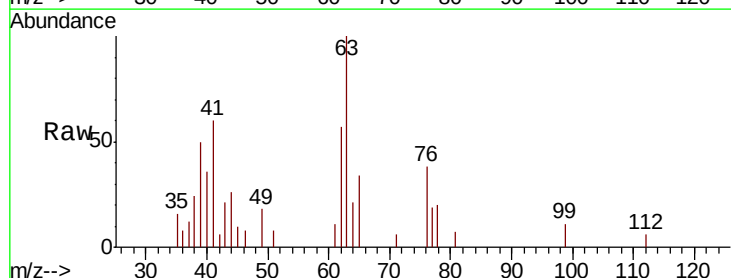
Acq: 5 Nov 2018 12:43

Tgt Ion: 63 Resp: 5224

Ion Ratio Lower Upper

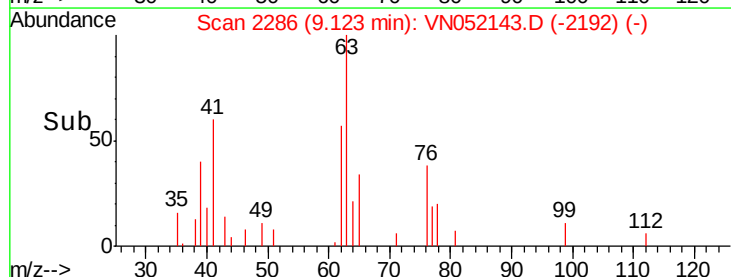
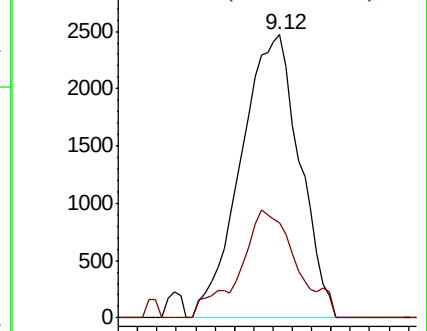
63 100

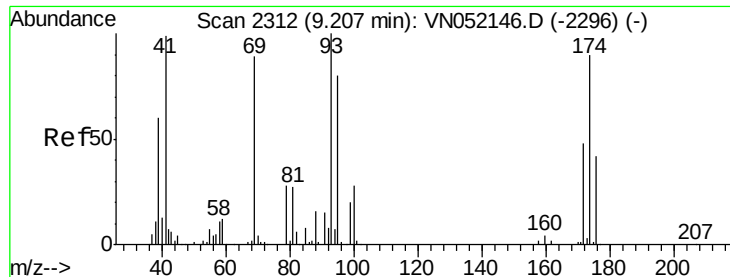
65 33.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





#46

Dibromomethane

Concen: 1.113 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

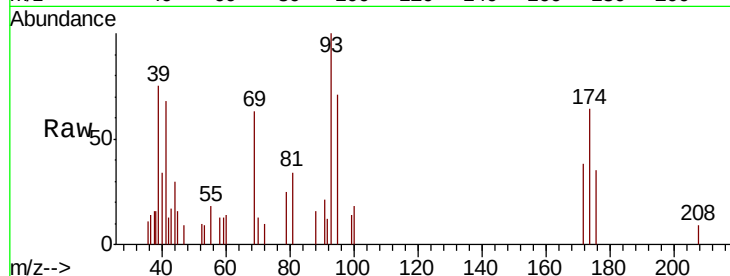
Tgt Ion: 93 Resp: 3759

Ion Ratio Lower Upper

93 100

95 61.2 64.5 96.7#

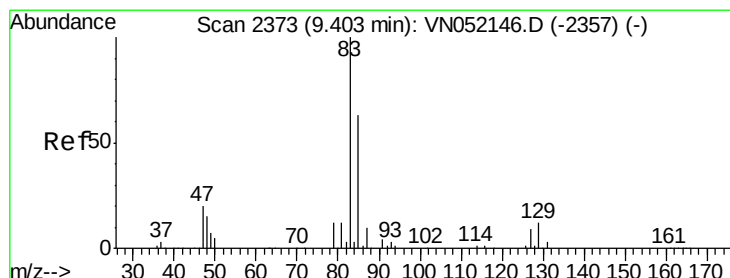
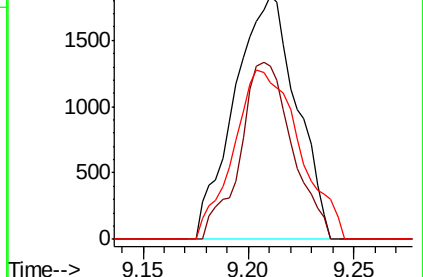
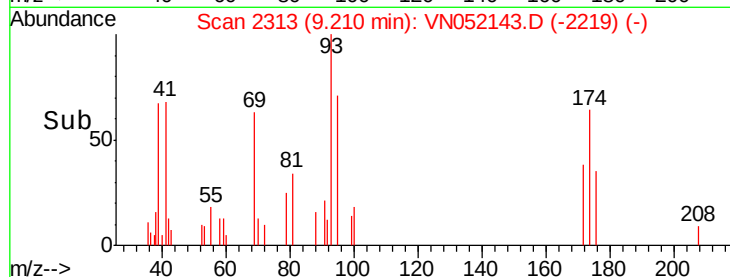
174 73.9 74.6 112.0#



Abundance Ion 92.80 (92.50 to 93.50): VN052143.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN052143.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN052143.D (-2219) (-)



#47

Bromodichloromethane

Concen: 0.907 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

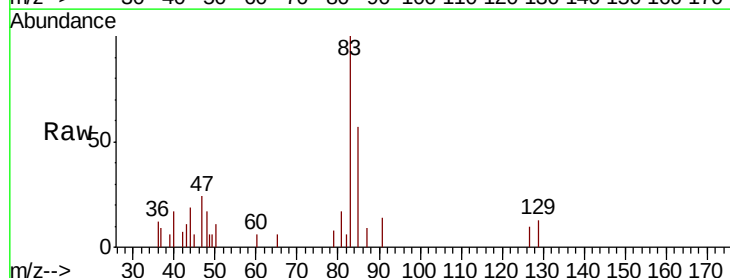
Tgt Ion: 83 Resp: 5974

Ion Ratio Lower Upper

83 100

85 56.7 50.5 75.7

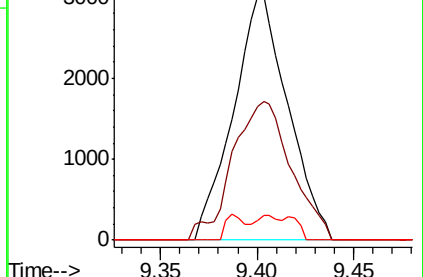
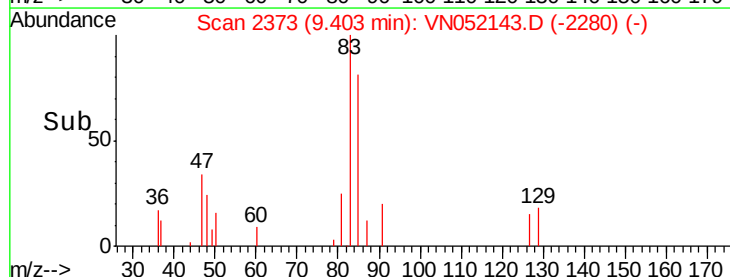
127 10.2 7.2 10.8

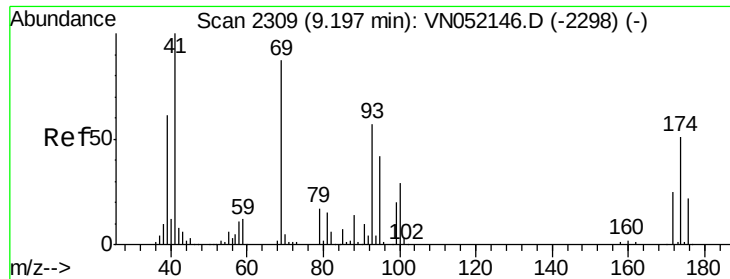


Abundance Ion 82.90 (82.60 to 83.60): VN052143.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052143.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052143.D (-2280) (-)





#48

Methyl methacrylate

Concen: 0.900 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

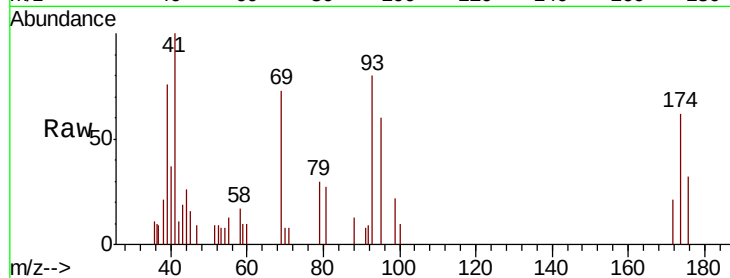
Tgt Ion: 41 Resp: 3373

Ion Ratio Lower Upper

41 100

69 97.6 69.7 104.5

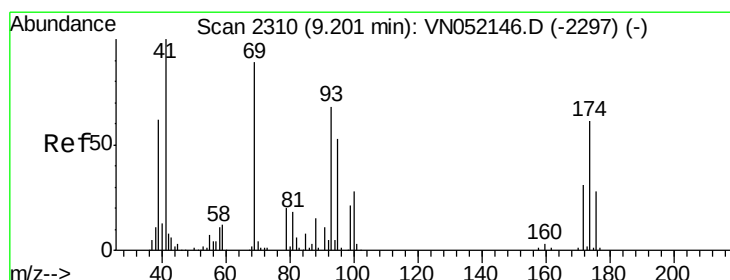
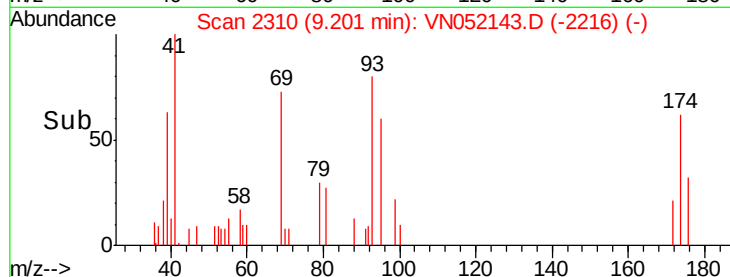
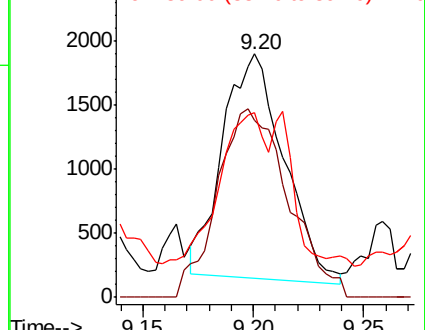
39 48.9 50.6 76.0#



Abundance Ion 41.00 (40.70 to 41.70): VN052143.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052143.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052143.D (-2216) (-)



#49

1,4-Dioxane

Concen: 10.714 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

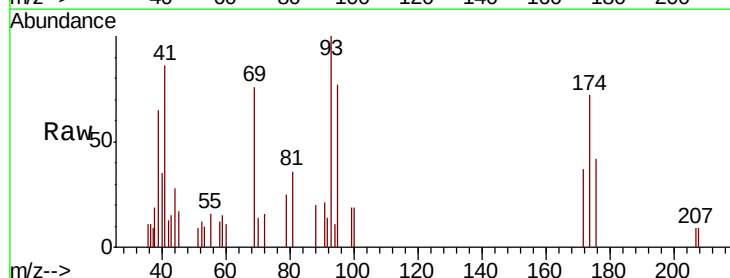
Tgt Ion: 88 Resp: 324

Ion Ratio Lower Upper

88 100

43 44.8 33.0 49.6

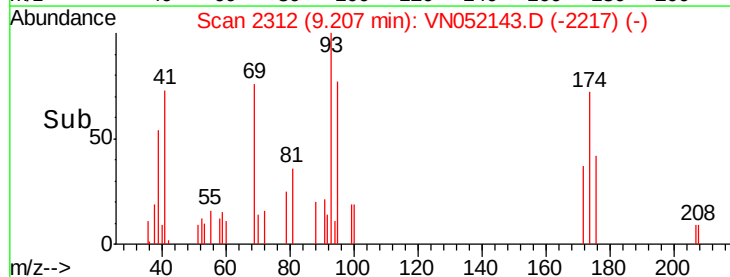
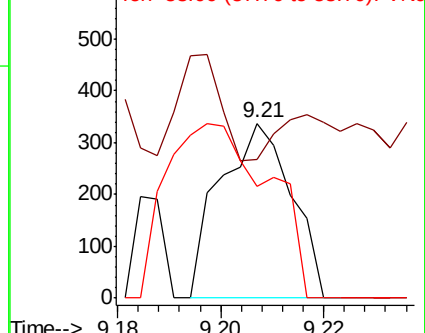
58 142.9 58.6 88.0#

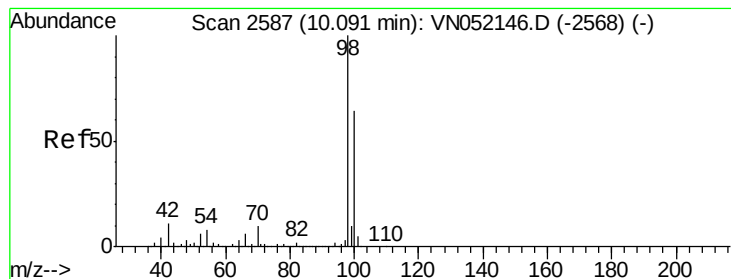


Abundance Ion 88.00 (87.70 to 88.70): VN052143.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN052143.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN052143.D (-2217) (-)





#50

Toluene-d8

Concen: 10.714 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

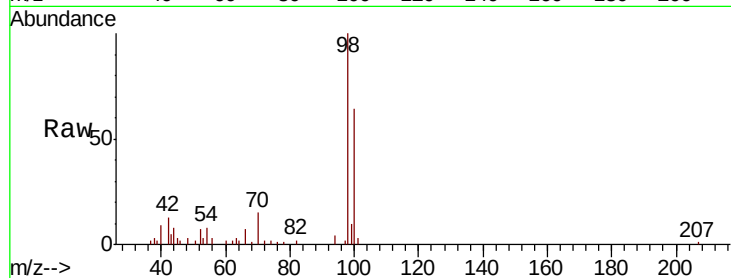
VSTDIC001

Tgt Ion: 98 Resp: 19592

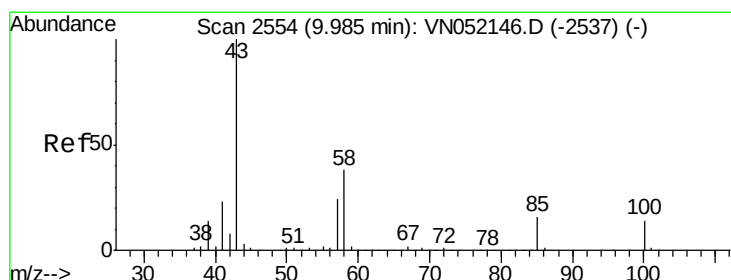
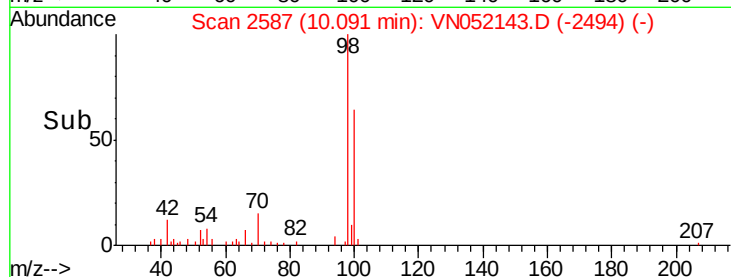
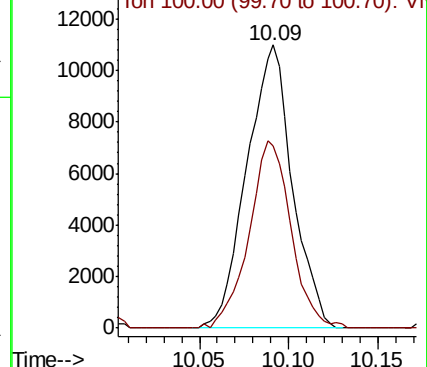
Ion Ratio Lower Upper

98 100

100 61.0 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN052143.D (-2494) (-)



#51

4-Methyl-2-Pentanone

Concen: 4.599 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052143.D

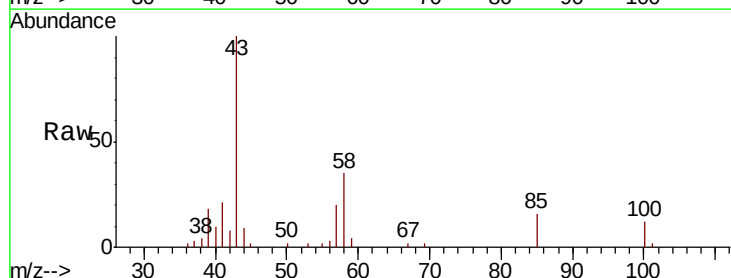
Acq: 5 Nov 2018 12:43

Tgt Ion: 43 Resp: 18916

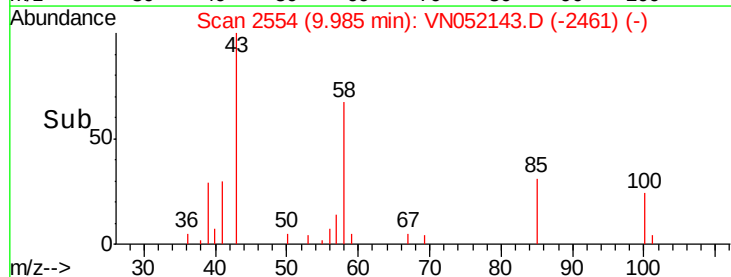
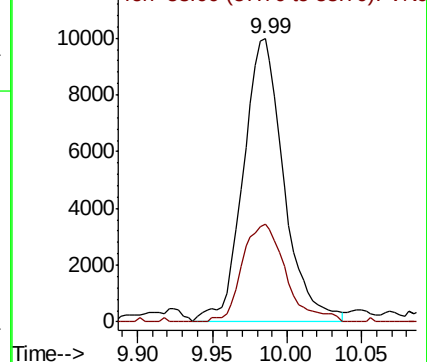
Ion Ratio Lower Upper

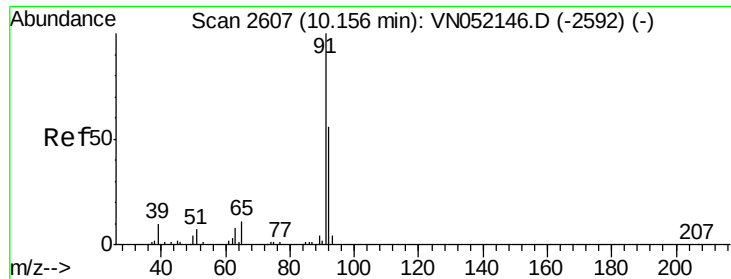
43 100

58 37.0 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VN052143.D (-2461) (-)





#52

Toluene

Concen: 0.891 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

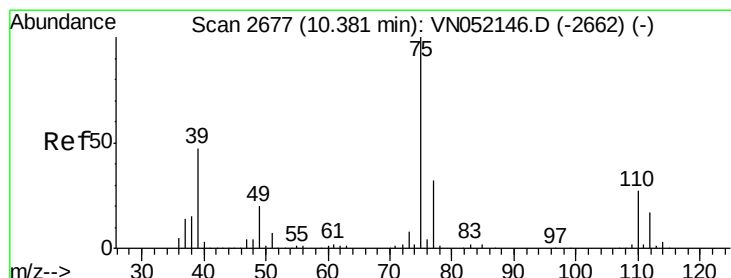
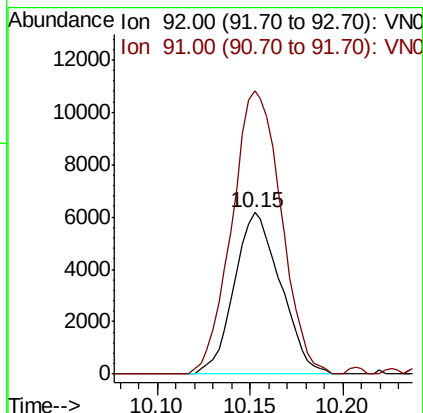
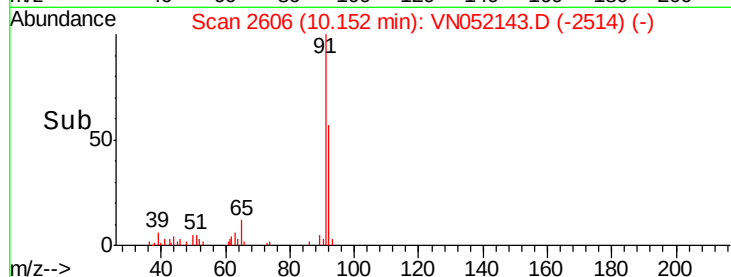
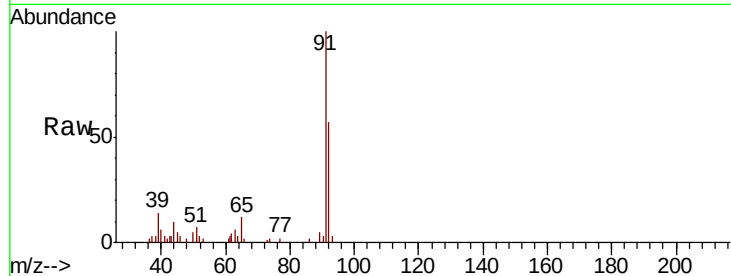
VSTDIC001

Tgt Ion: 92 Resp: 10780

Ion Ratio Lower Upper

92 100

91 185.8 142.5 213.7



#53

t-1,3-Dichloropropene

Concen: 0.851 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052143.D

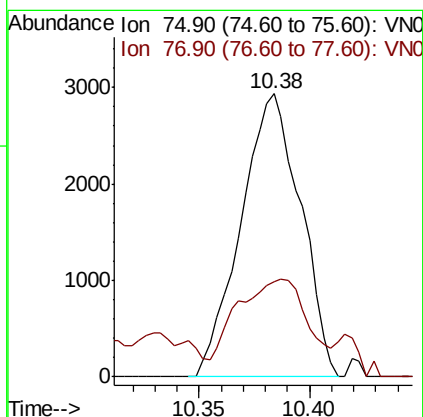
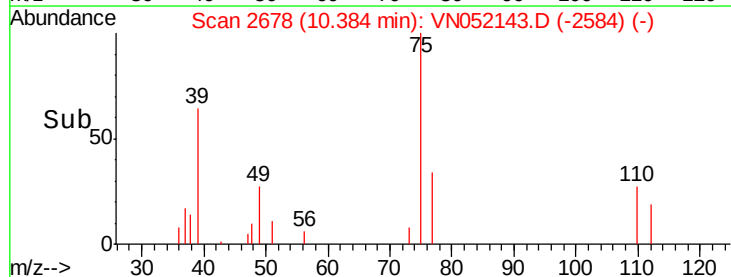
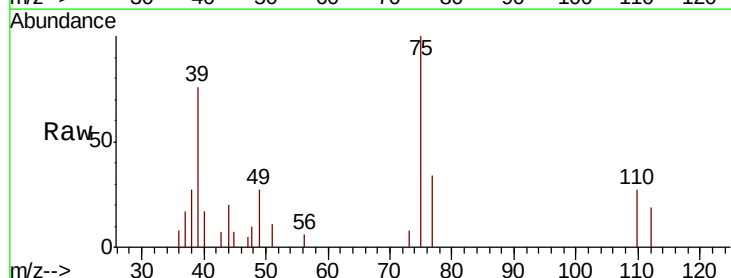
Acq: 5 Nov 2018 12:43

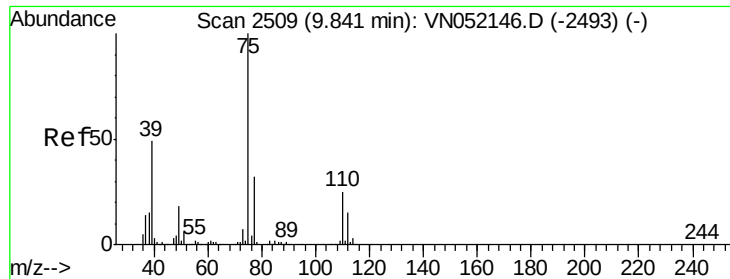
Tgt Ion: 75 Resp: 5503

Ion Ratio Lower Upper

75 100

77 21.1 25.8 38.6#





#54

cis-1,3-Dichloropropene

Concen: 0.857 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

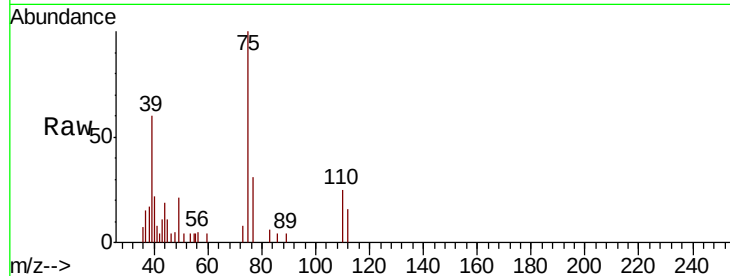
Tgt Ion: 75 Resp: 6484

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8

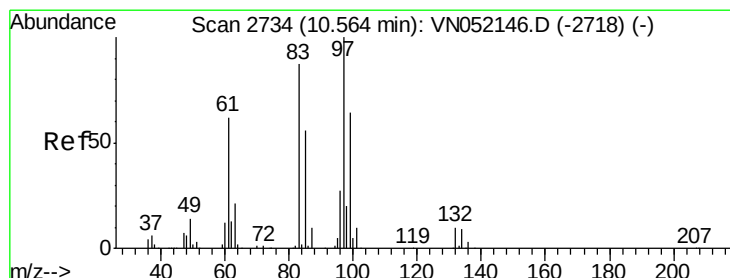
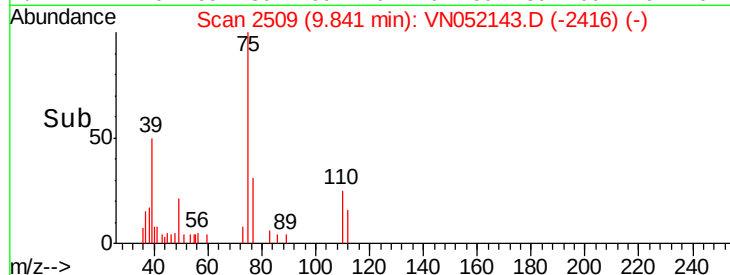
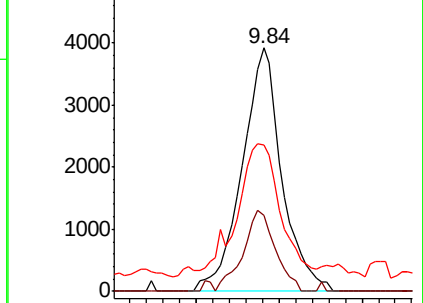
39 50.0 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN052146.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN052146.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN052146.D (-2493) (-)



#55

1,1,2-Trichloroethane

Concen: 0.857 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tgt Ion: 97 Resp: 3653

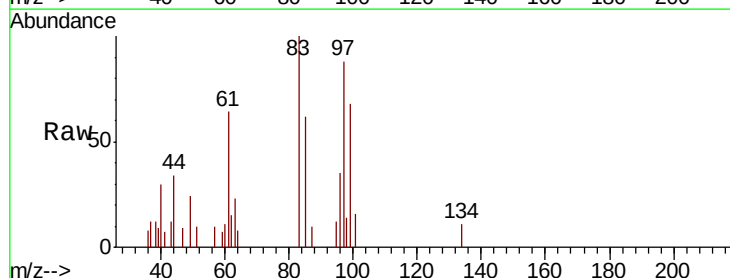
Ion Ratio Lower Upper

97 100

83 114.0 69.3 103.9#

85 70.4 44.9 67.3#

99 77.7 51.5 77.3#

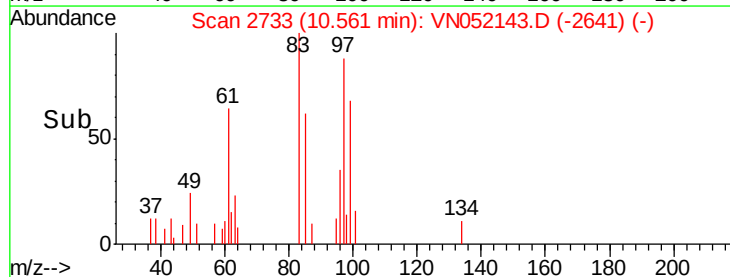
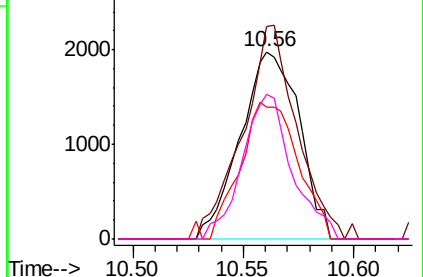


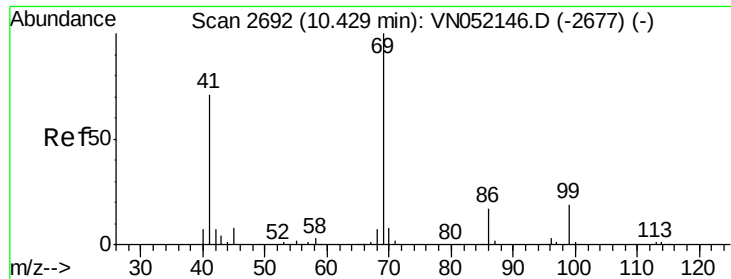
Abundance Ion 96.90 (96.60 to 97.60): VN052146.D (-2718) (-)

Ion 82.90 (82.60 to 83.60): VN052146.D (-2718) (-)

Ion 84.90 (84.60 to 85.60): VN052146.D (-2718) (-)

Ion 98.90 (98.60 to 99.60): VN052146.D (-2718) (-)





#56

Ethyl methacrylate

Concen: 0.869 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

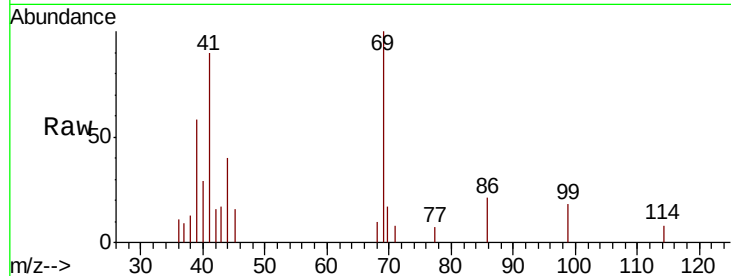
Tgt Ion: 69 Resp: 4829

Ion Ratio Lower Upper

69 100

41 76.4 55.4 83.0

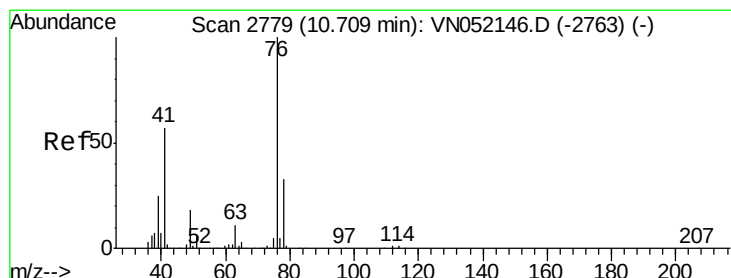
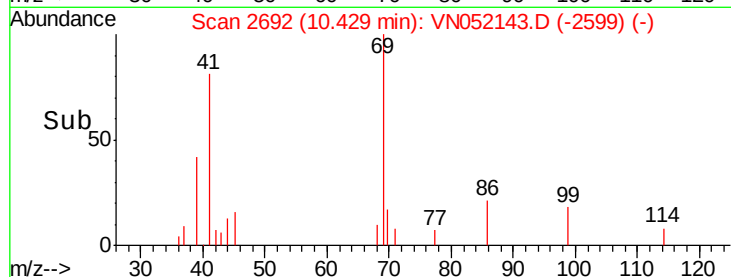
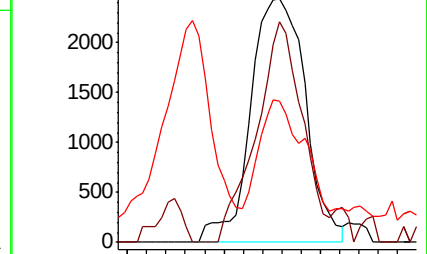
39 37.8 32.0 48.0



Abundance Ion 69.00 (68.70 to 69.70): VN052143.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN052143.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN052143.D (-2677) (-)



#57

1,3-Dichloropropane

Concen: 0.950 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052143.D

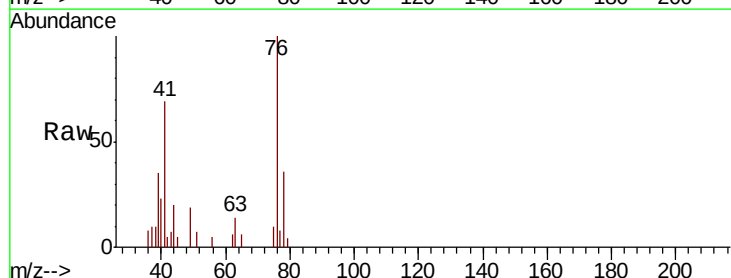
Acq: 5 Nov 2018 12:43

Tgt Ion: 76 Resp: 7135

Ion Ratio Lower Upper

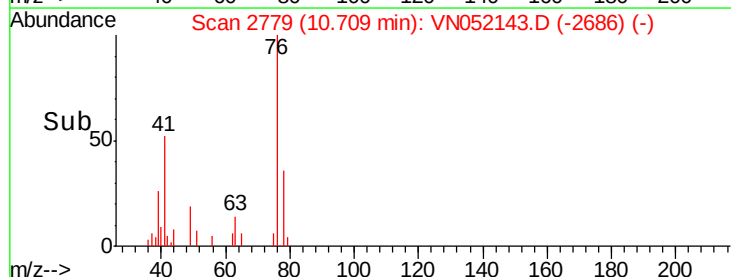
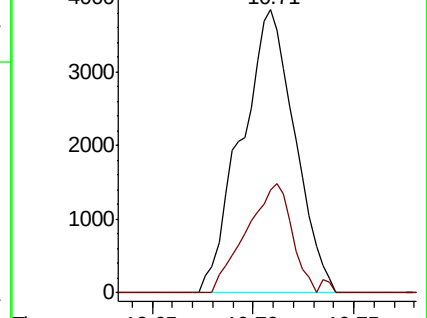
76 100

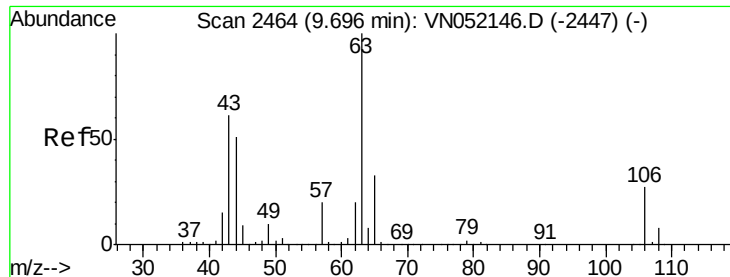
78 33.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN052143.D (-2686) (-)

Ion 77.90 (77.60 to 78.60): VN052143.D (-2686) (-)





#58

2-Chloroethyl Vinyl ether

Concen: 4.500 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

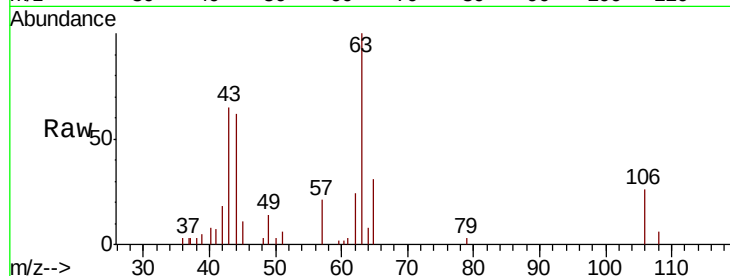
VSTDIC001

Tgt Ion: 63 Resp: 13462

Ion Ratio Lower Upper

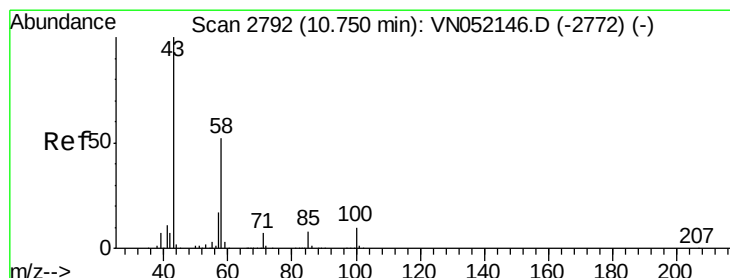
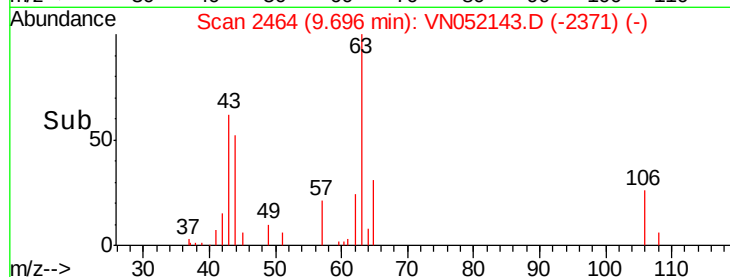
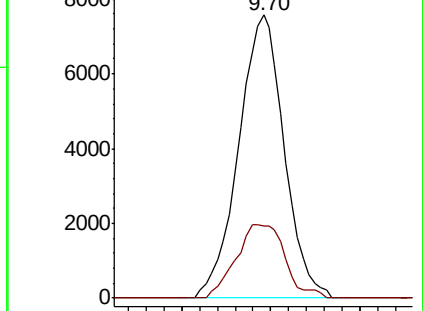
63 100

106 27.9 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN052143.D (-2371) (-)

Ion 105.90 (105.60 to 106.60): VN052143.D (-2371) (-)



#59

2-Hexanone

Concen: 4.666 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN052143.D

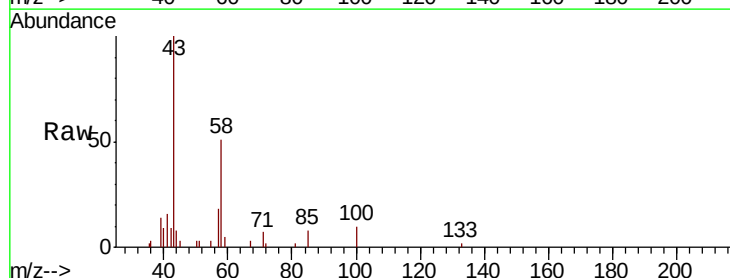
Acq: 5 Nov 2018 12:43

Tgt Ion: 43 Resp: 13360

Ion Ratio Lower Upper

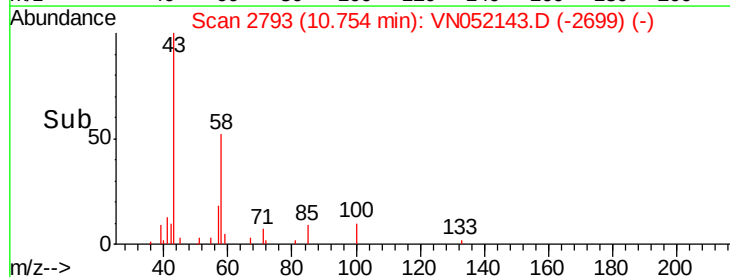
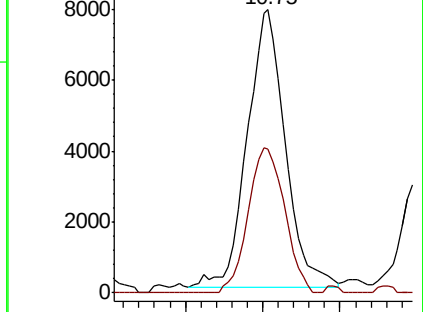
43 100

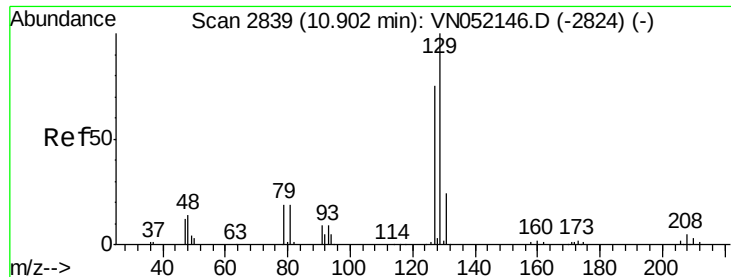
58 50.3 25.8 77.4



Abundance Ion 43.00 (42.70 to 43.70): VN052143.D (-2699) (-)

Ion 58.00 (57.70 to 58.70): VN052143.D (-2699) (-)

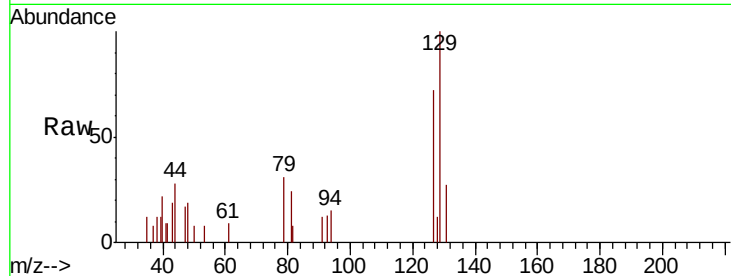




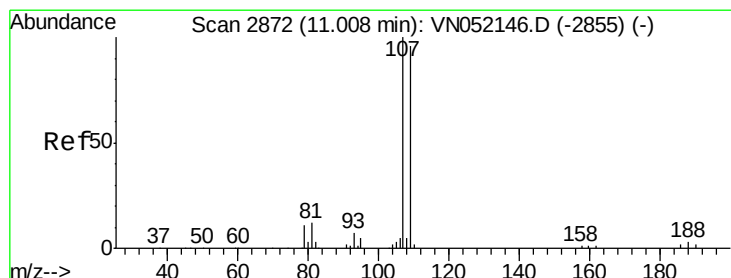
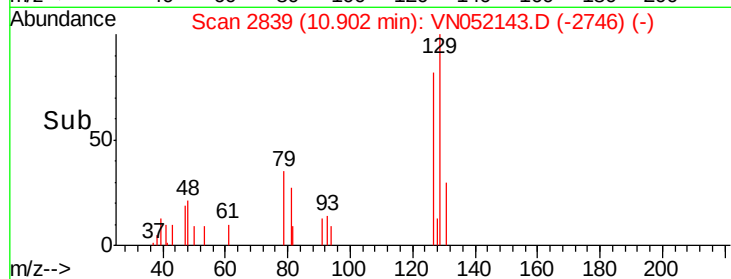
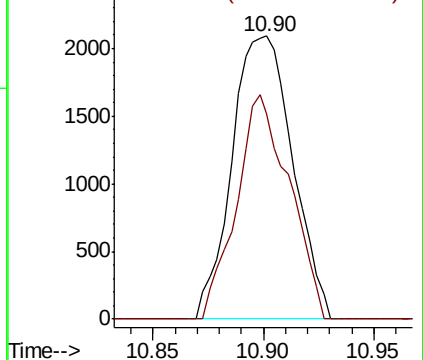
#60
Dibromochloromethane
Concen: 0.825 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:129 Resp: 3999
Ion Ratio Lower Upper
129 100
127 69.3 38.0 114.1

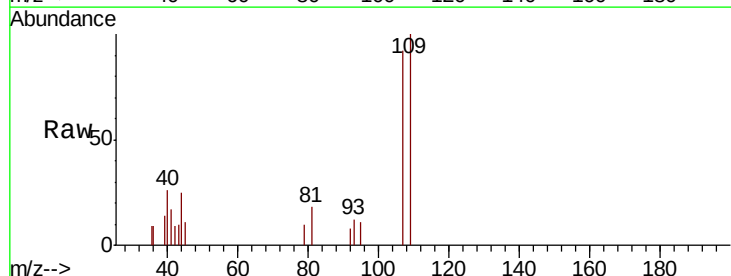


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

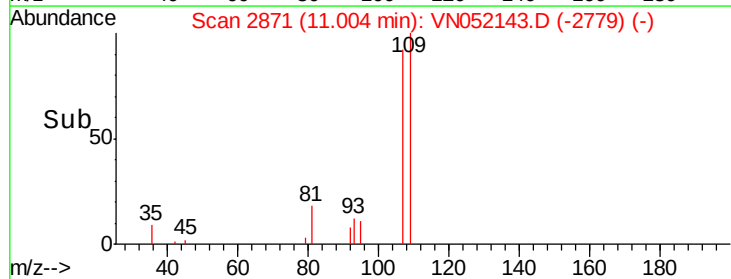
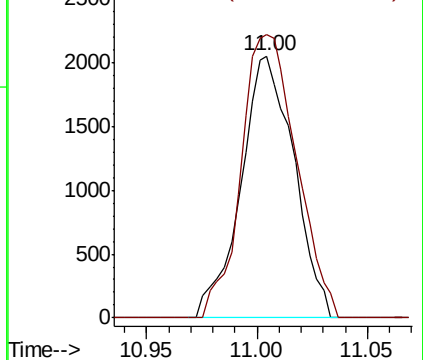


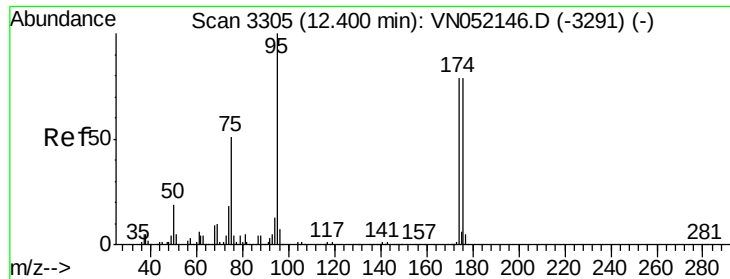
#61
1,2-Dibromoethane
Concen: 0.789 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion:107 Resp: 3416
Ion Ratio Lower Upper
107 100
109 113.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.789 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

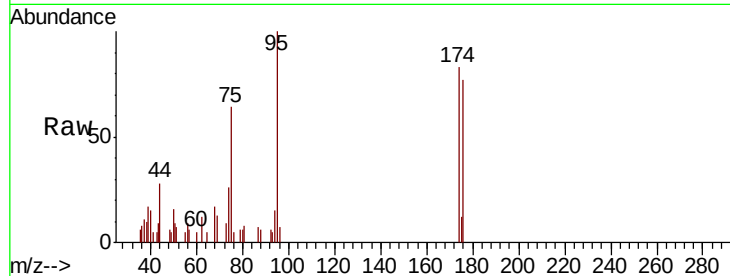
Tgt Ion: 95 Resp: 5677

Ion Ratio Lower Upper

95 100

174 79.8 0.0 162.6

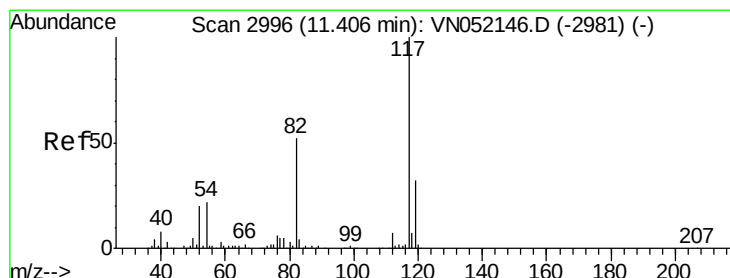
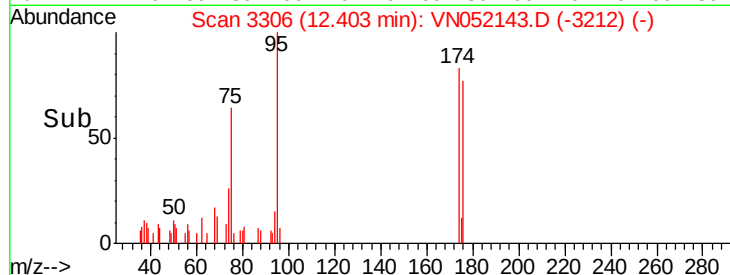
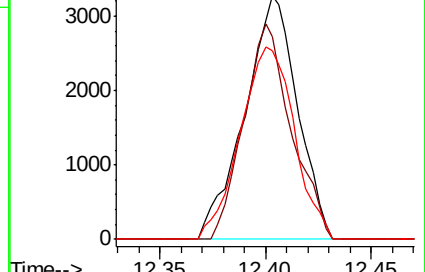
176 81.1 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VN052146.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052146.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052146.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

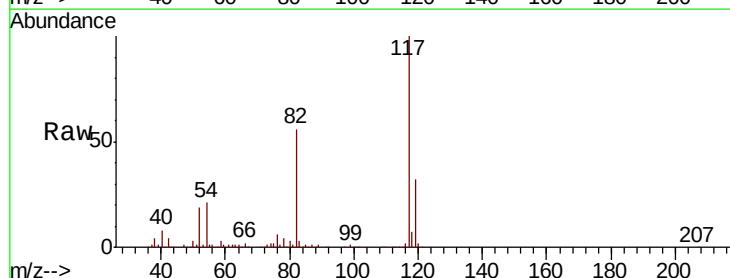
Tgt Ion: 117 Resp: 663497

Ion Ratio Lower Upper

117 100

82 55.7 41.9 62.9

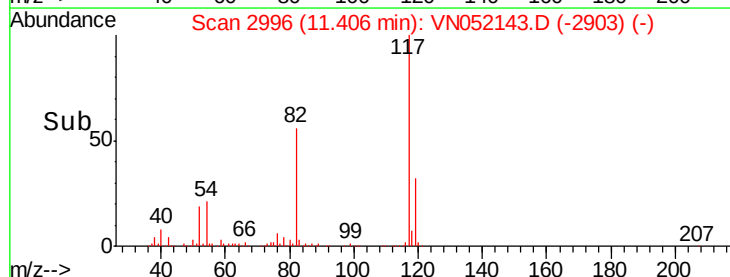
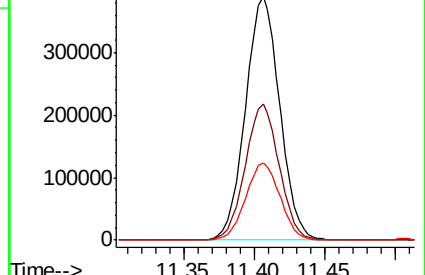
119 31.7 25.7 38.5

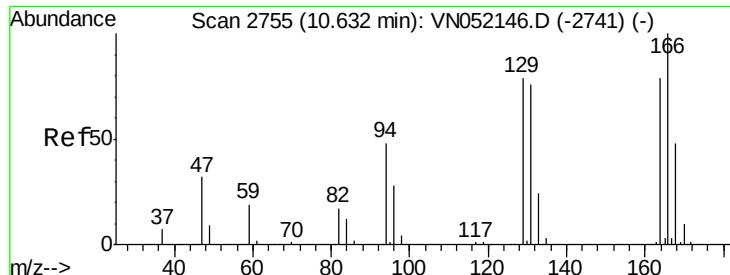


Abundance Ion 116.90 (116.60 to 117.60): VN052146.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052146.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052146.D (-2981) (-)





#64

Tetrachloroethene

Concen: 0.897 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 3854

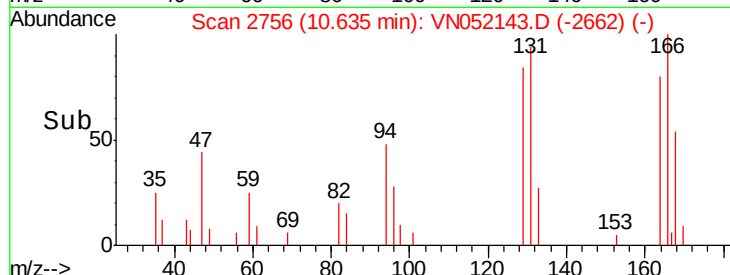
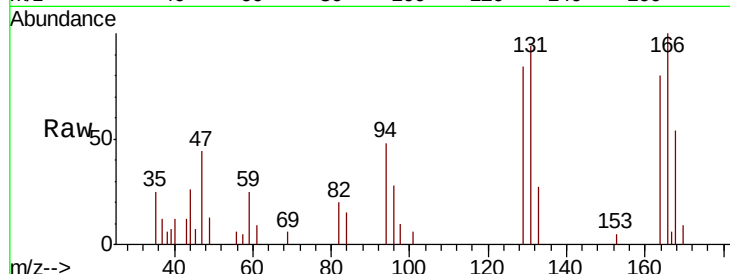
Ion Ratio Lower Upper

164 100

166 125.1 100.8 151.2

129 104.9 79.1 118.7

131 117.3 77.0 115.4#

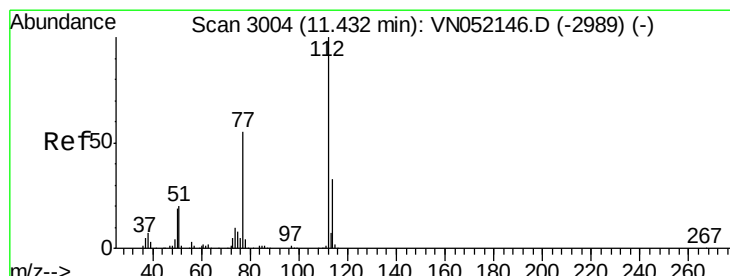
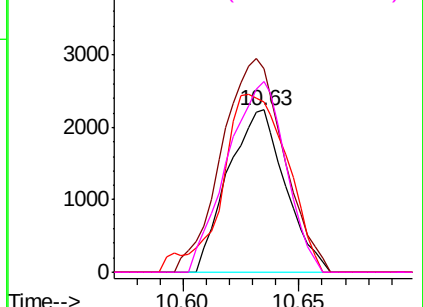


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.058 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052143.D

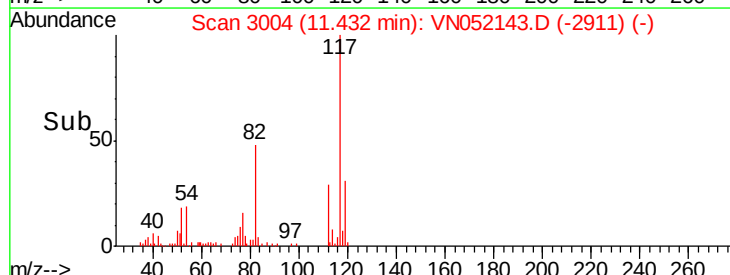
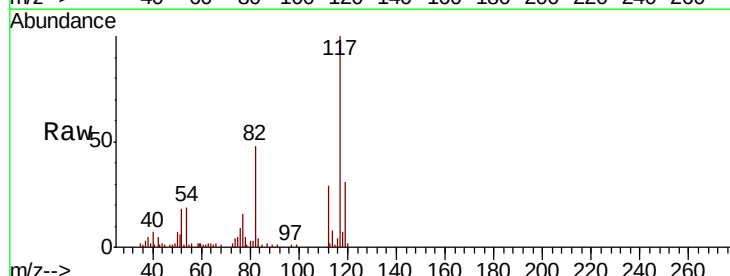
Acq: 5 Nov 2018 12:43

Tgt Ion:112 Resp: 14304

Ion Ratio Lower Upper

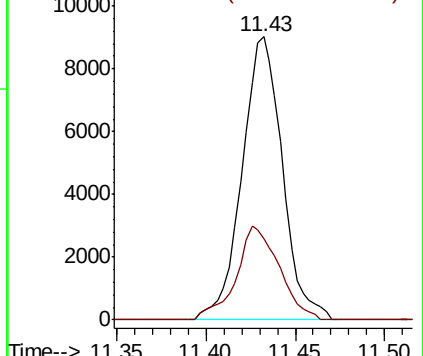
112 100

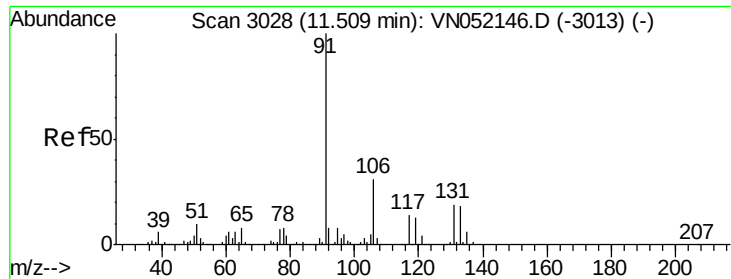
114 28.6 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

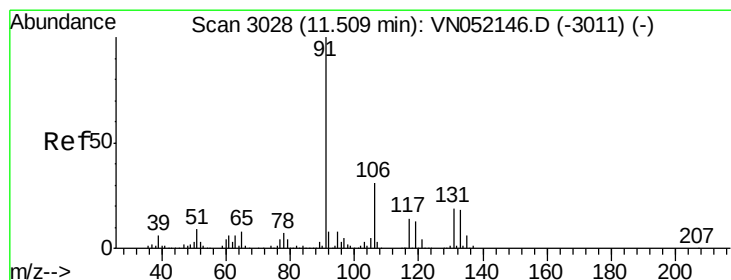
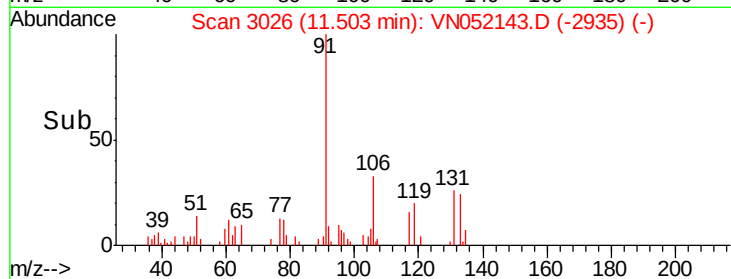
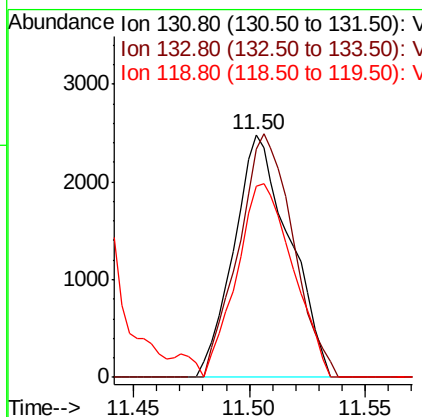
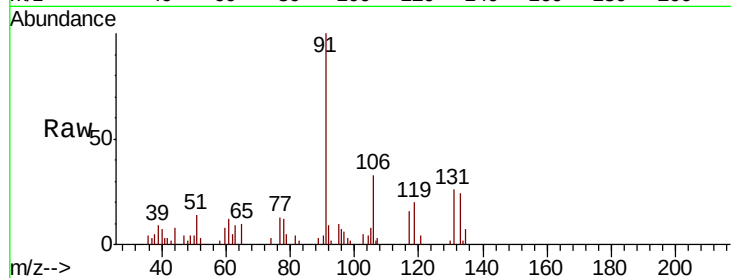




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.913 ug/l
 RT: 11.50 min Scan# 3026
 Delta R.T. -0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

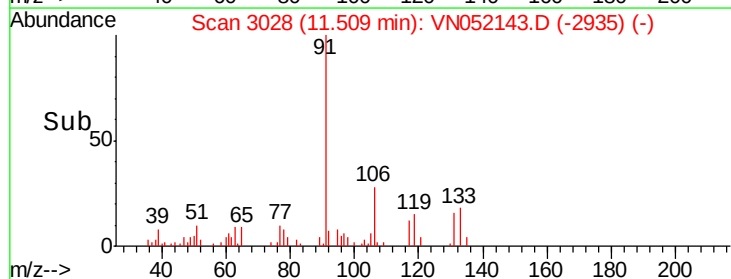
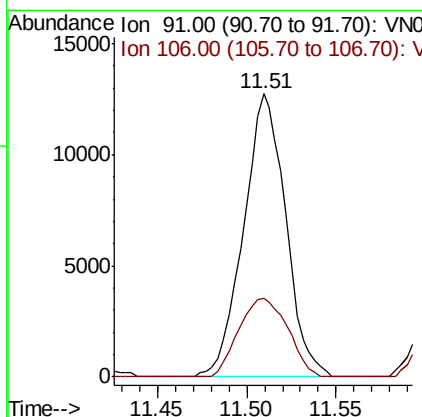
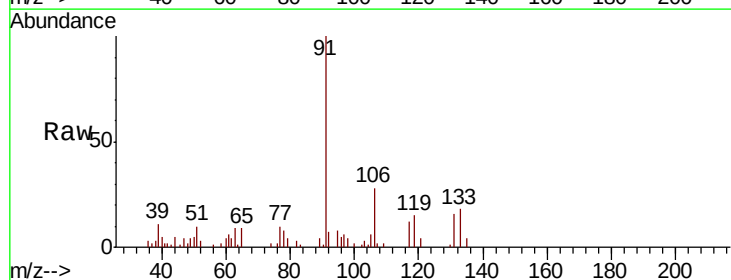
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

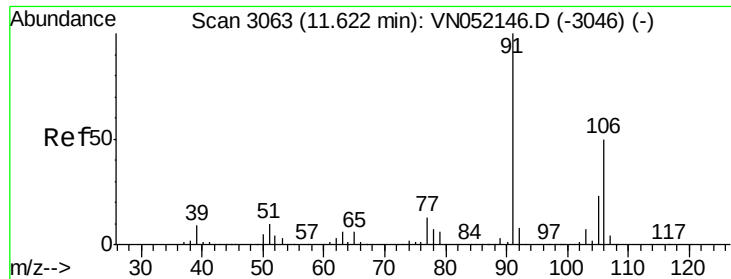
Tgt Ion:131 Resp: 4145
 Ion Ratio Lower Upper
 131 100
 133 98.6 46.6 139.8
 119 0.0 33.6 100.8#



#67
 Ethyl Benzene
 Concen: 0.937 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion: 91 Resp: 21043
 Ion Ratio Lower Upper
 91 100
 106 27.6 25.1 37.7

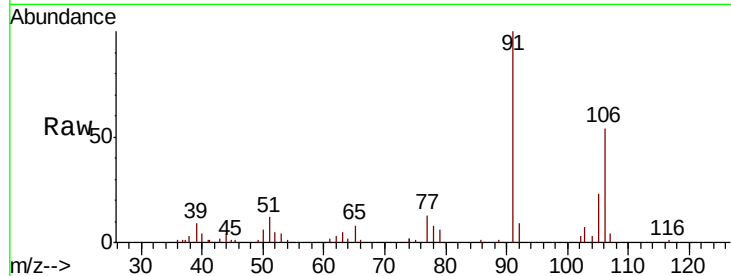




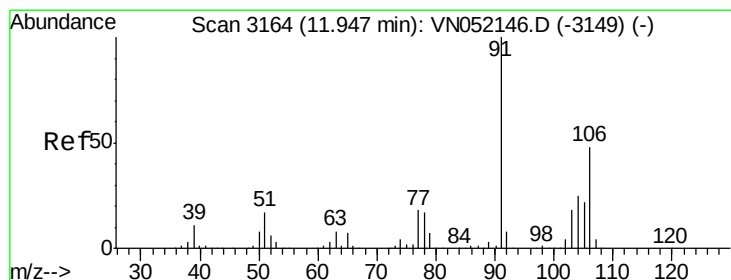
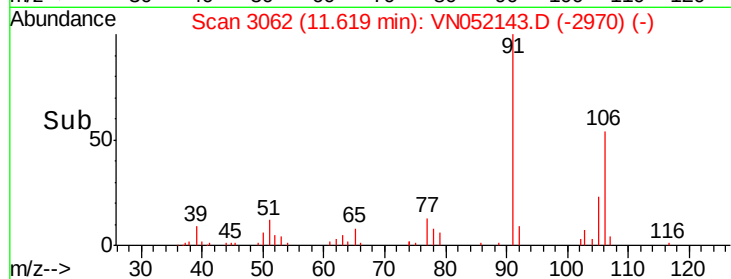
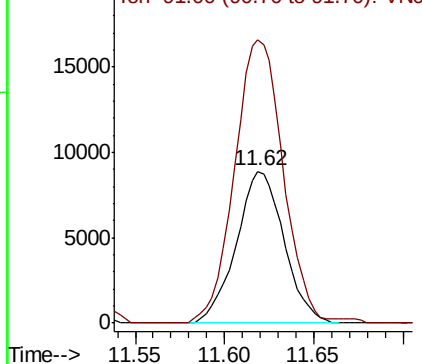
#68
m/p-Xylenes
Concen: 1.912 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 16569
Ion Ratio Lower Upper
106 100
91 190.1 158.2 237.4

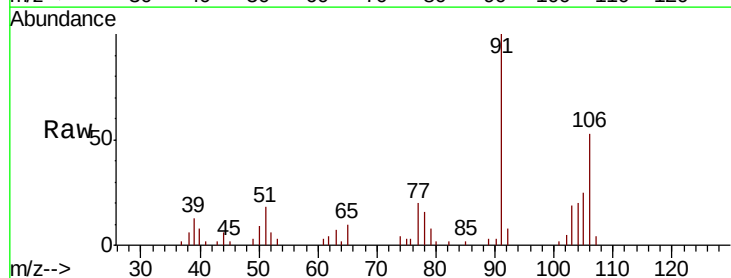


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

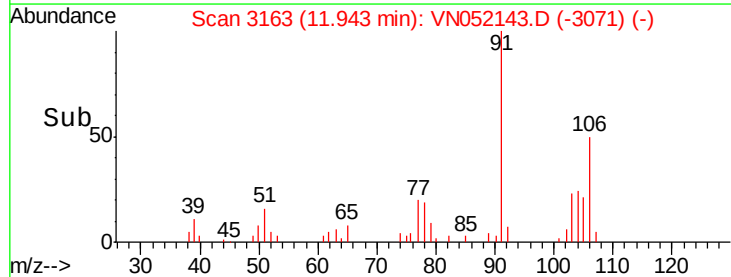
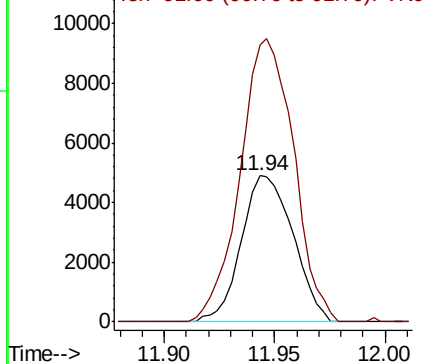


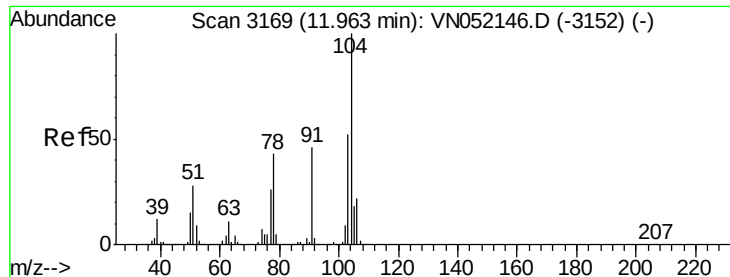
#69
o-Xylene
Concen: 0.949 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion:106 Resp: 7980
Ion Ratio Lower Upper
106 100
91 200.1 104.8 314.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

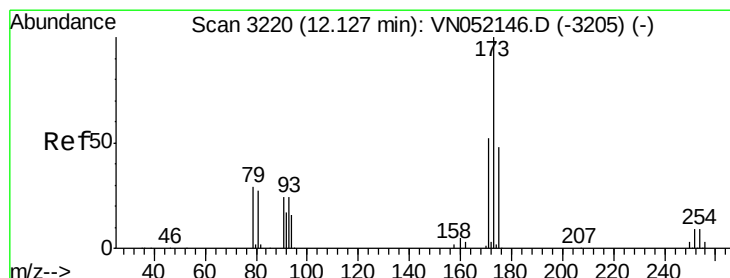
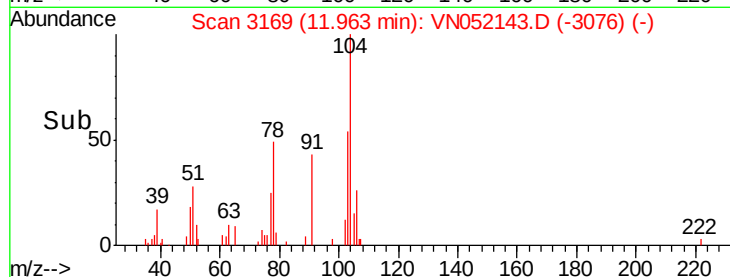
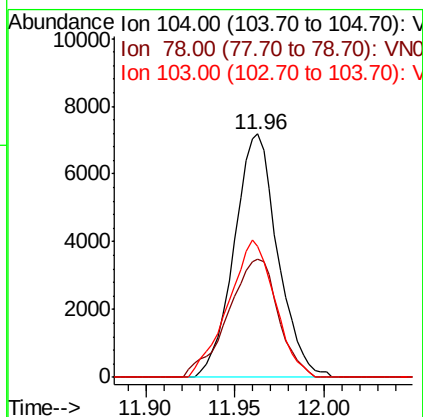
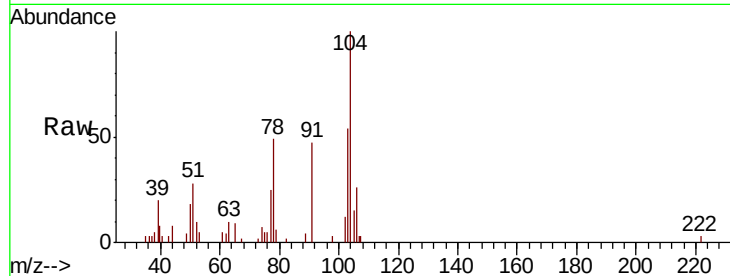




#70
Styrene
Concen: 0.920 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

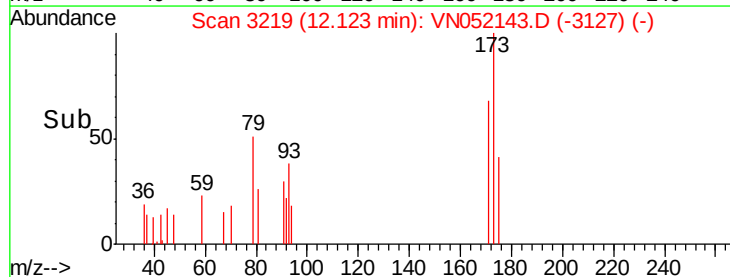
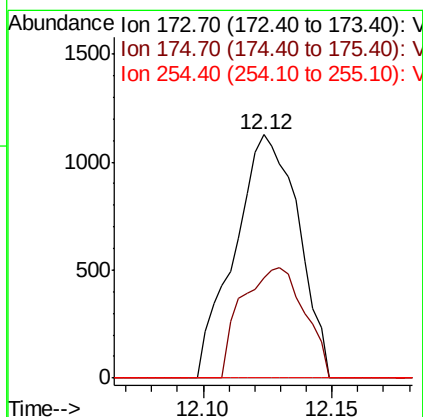
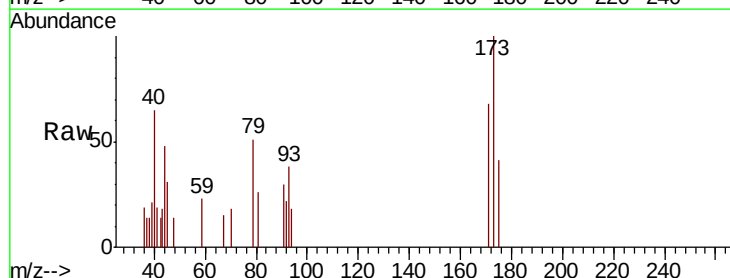
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

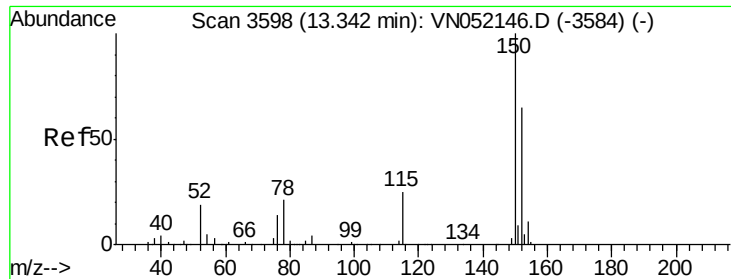
Tgt Ion:104 Resp: 12239
Ion Ratio Lower Upper
104 100
78 55.9 39.4 59.0
103 60.8 45.1 67.7



#71
Bromoform
Concen: 0.739 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion:173 Resp: 1943
Ion Ratio Lower Upper
173 100
175 44.6 24.8 74.4
254 0.0 0.2 0.2#



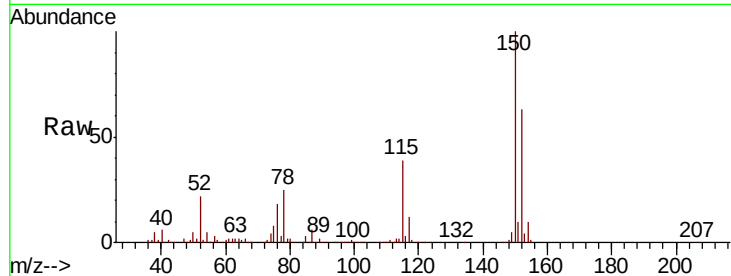


#72

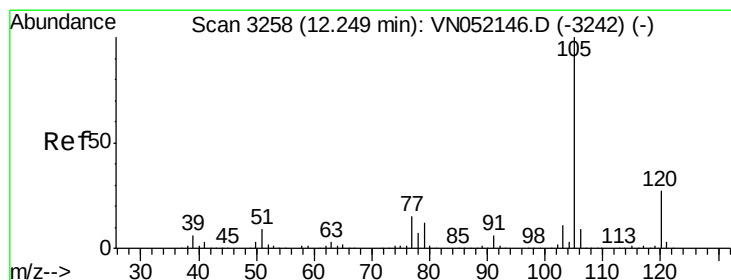
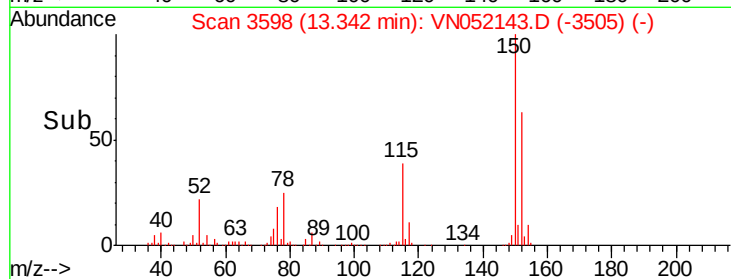
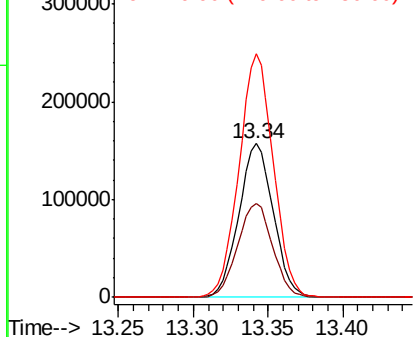
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:152 Resp: 251484
Ion Ratio Lower Upper
152 100
115 61.8 28.5 85.5
150 157.8 0.0 348.6



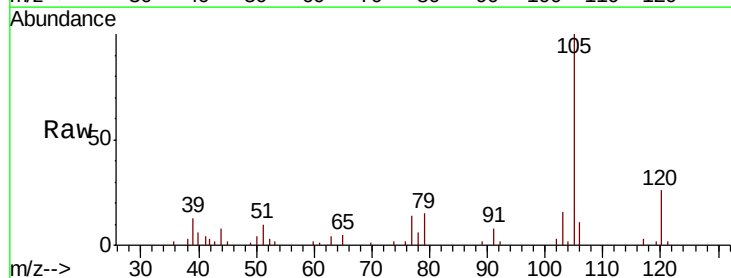
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



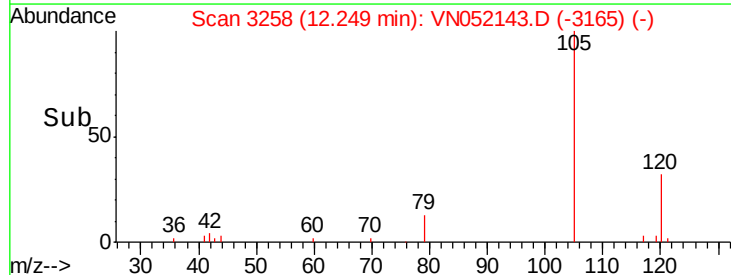
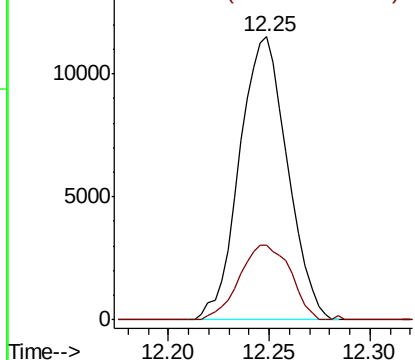
#73

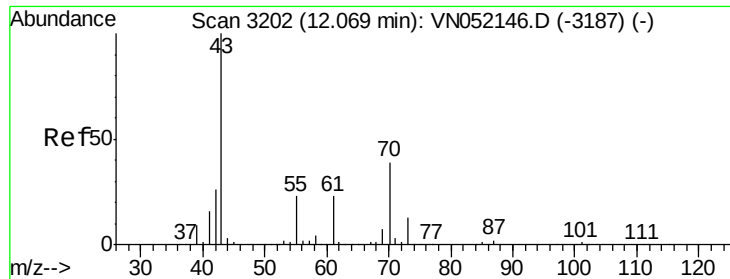
Isopropylbenzene
Concen: 1.005 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion:105 Resp: 19102
Ion Ratio Lower Upper
105 100
120 28.2 13.3 39.9



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





#74

N-amyl acetate

Concen: 0.938 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

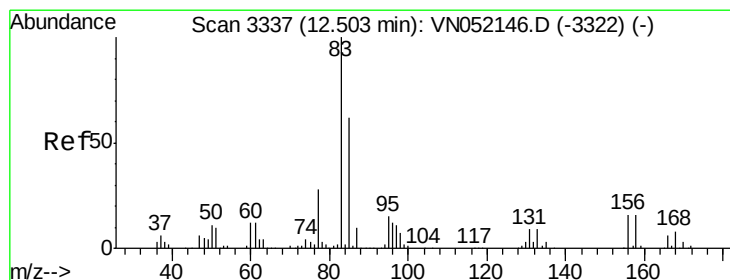
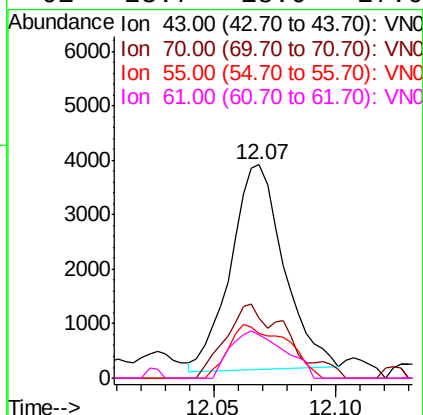
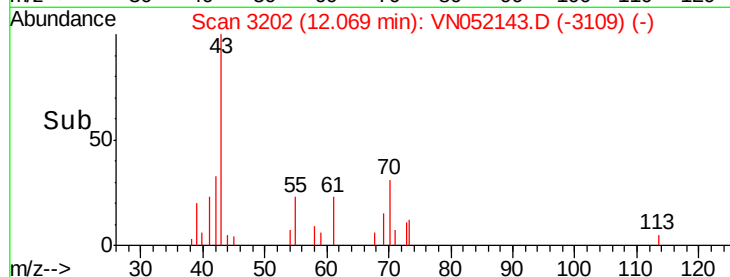
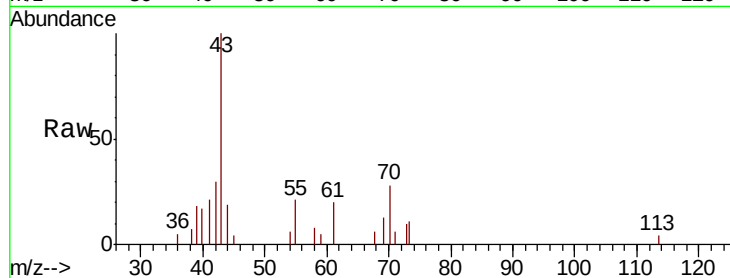
ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 5645

Ion Ratio Lower Upper

43	100		
70	42.5	31.1	46.7
55	28.7	18.5	27.7
61	23.7	18.0	27.0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.022 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

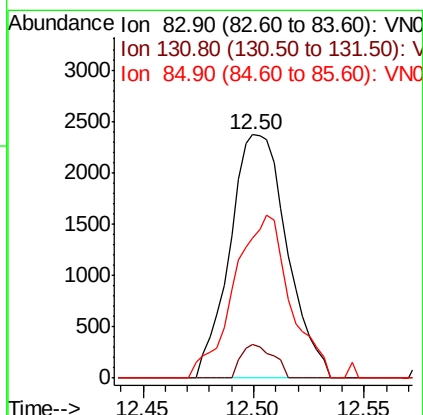
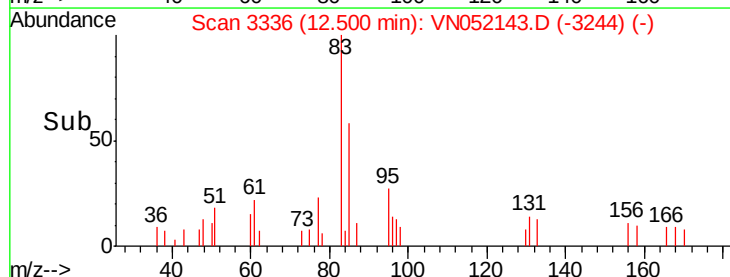
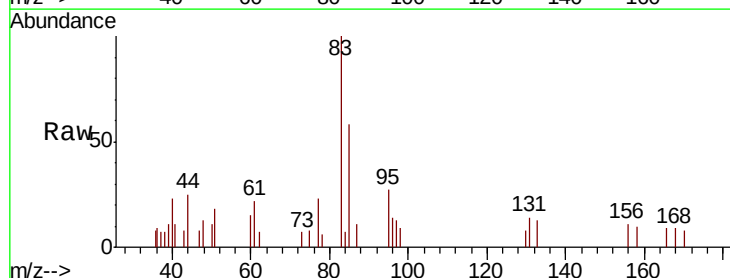
Lab File: VN052143.D

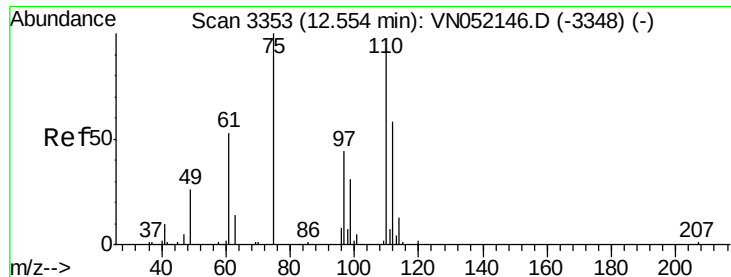
Acq: 5 Nov 2018 12:43

Tgt Ion: 83 Resp: 4253

Ion Ratio Lower Upper

83	100		
131	7.8	5.0	14.9
85	65.6	31.8	95.3

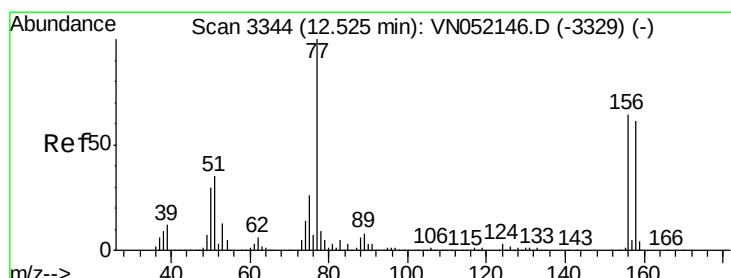
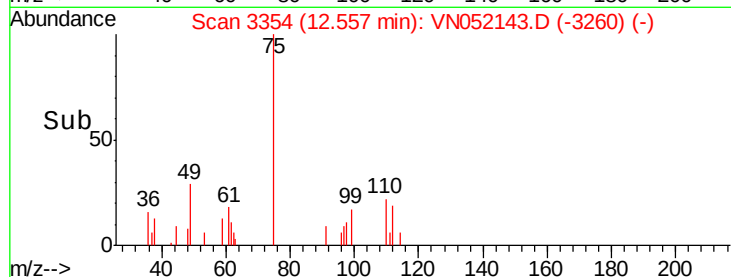
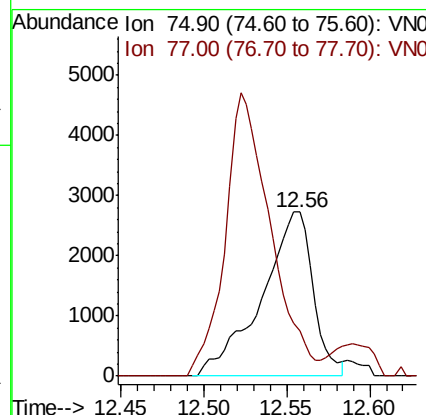
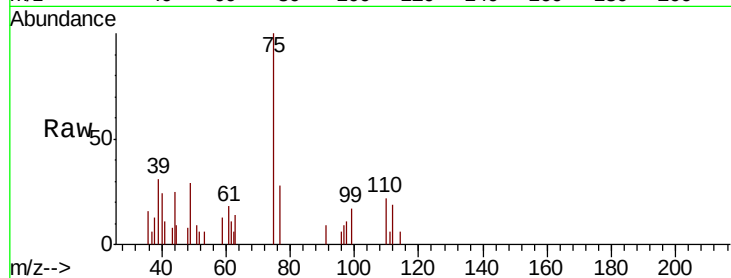




#76
 1,2,3-Trichloropropane
 Concen: 1.757 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

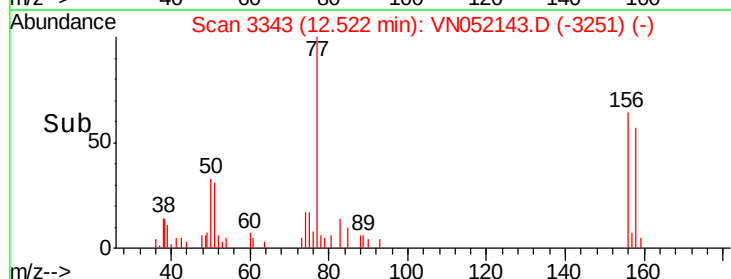
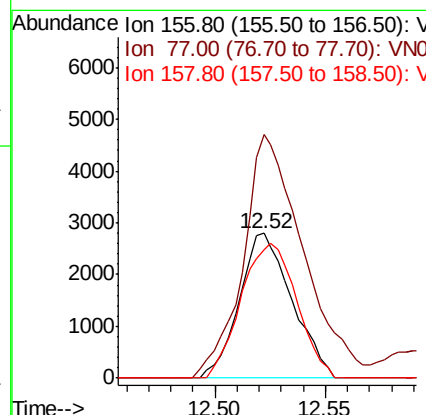
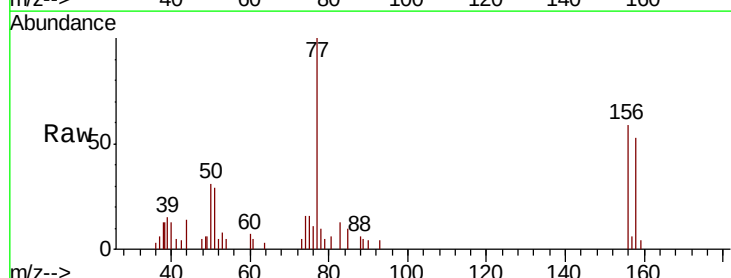
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

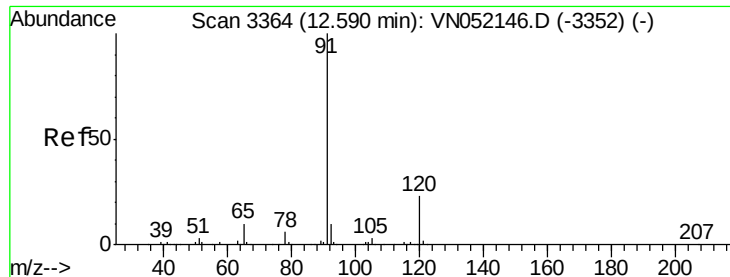
Tgt Ion: 75 Resp: 5900
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 1.023 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion: 156 Resp: 4639
 Ion Ratio Lower Upper
 156 100
 77 192.8 91.6 274.9
 158 98.5 48.1 144.3





#78

n-propylbenzene

Concen: 1.014 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

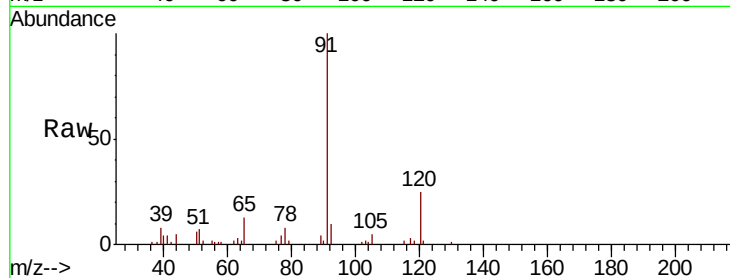
VSTDIC001

Tgt Ion: 91 Resp: 22045

Ion Ratio Lower Upper

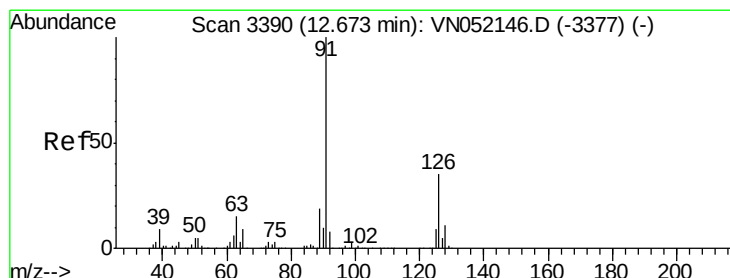
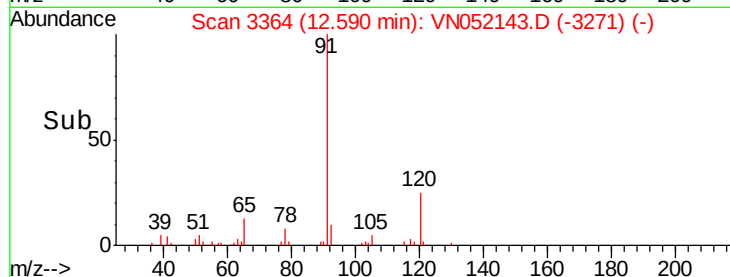
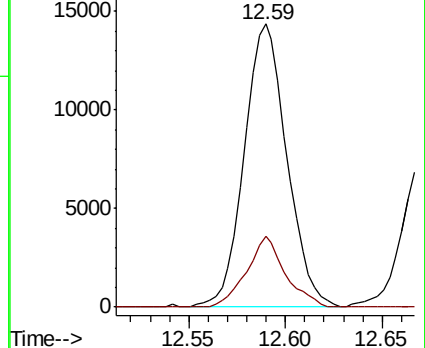
91 100

120 22.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.050 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052143.D

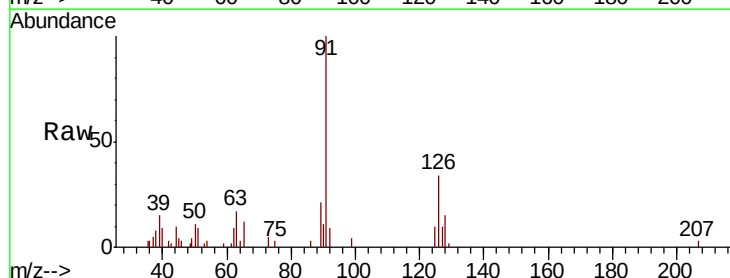
Acq: 5 Nov 2018 12:43

Tgt Ion: 91 Resp: 13378

Ion Ratio Lower Upper

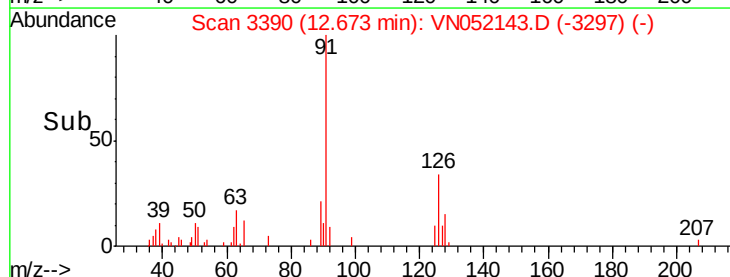
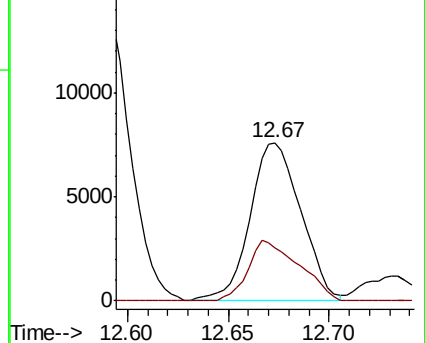
91 100

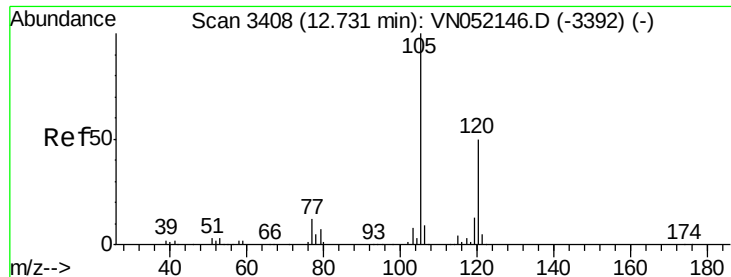
126 38.4 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.040 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

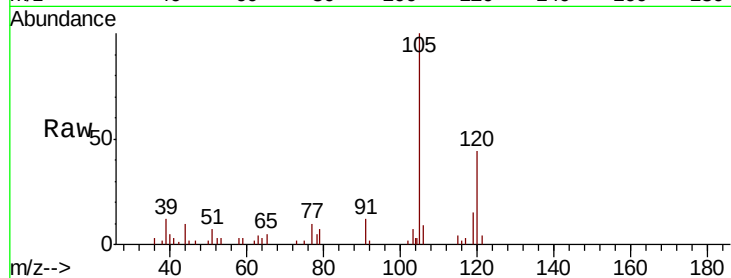
VSTDIC001

Tgt Ion:105 Resp: 16010

Ion Ratio Lower Upper

105 100

120 47.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

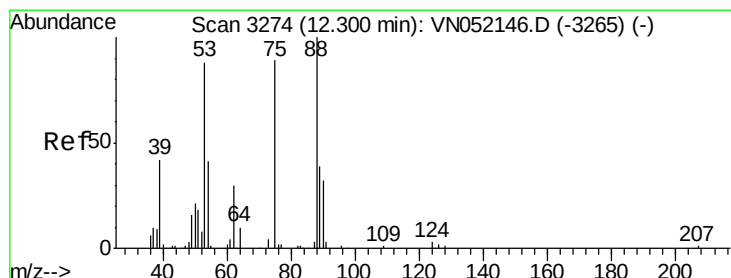
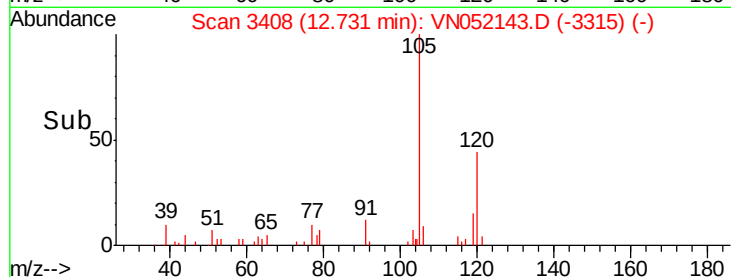
4000

2000

0

Time-->

12.70 12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 0.927 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

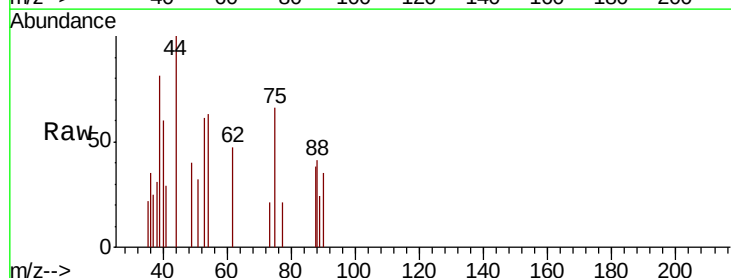
Tgt Ion: 75 Resp: 1025

Ion Ratio Lower Upper

75 100

53 36.4 79.4 119.0#

89 3.1 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

1000

800

600

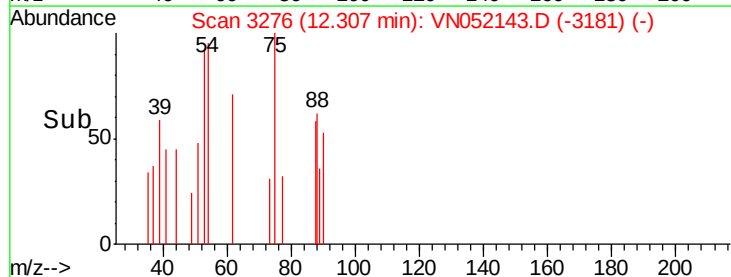
400

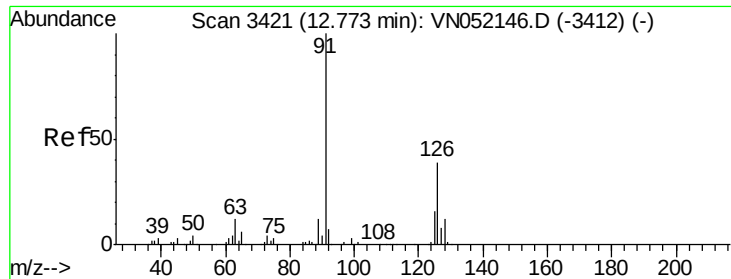
200

0

Time-->

12.25 12.30

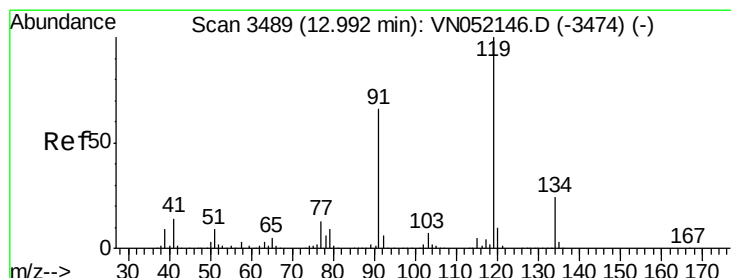
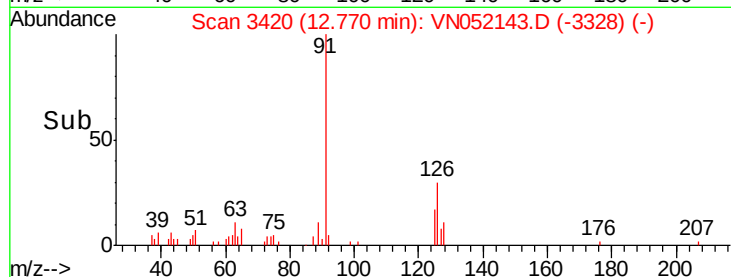
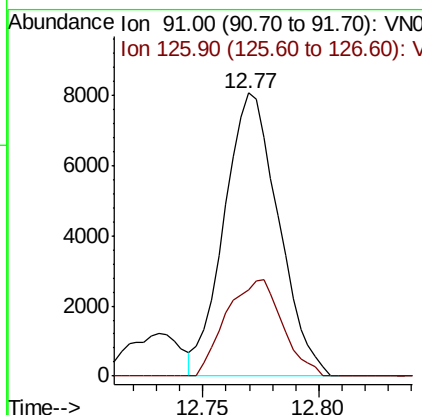
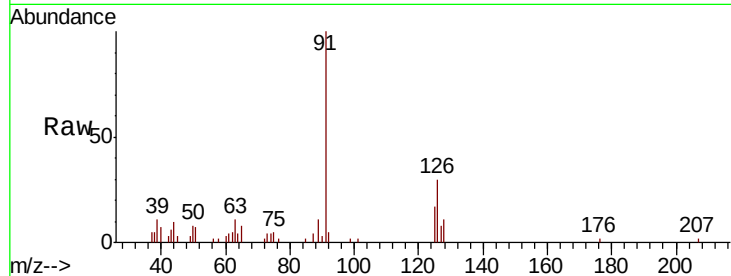




#82
4-Chlorotoluene
Concen: 1.024 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

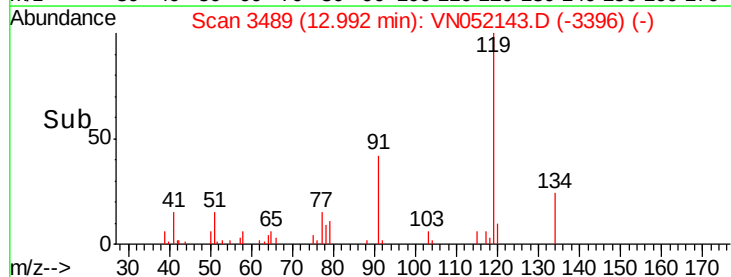
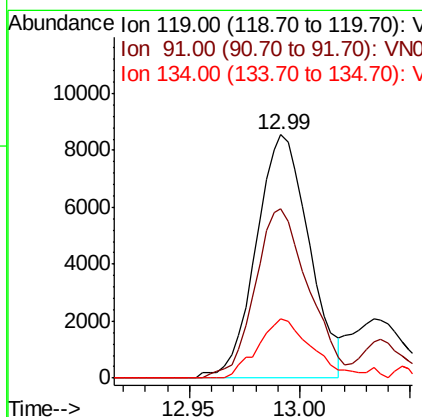
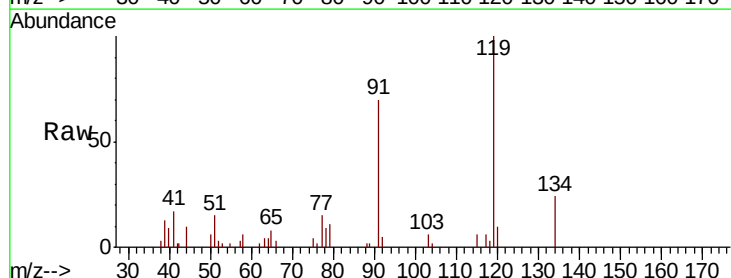
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

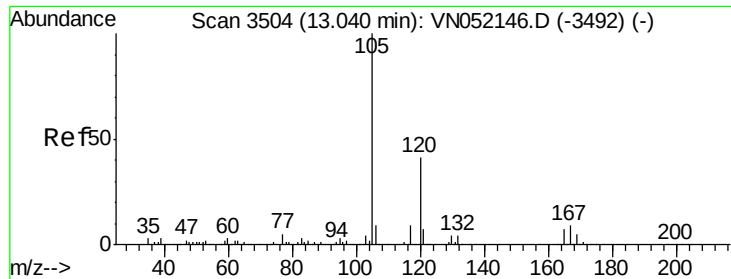
Tgt Ion: 91 Resp: 13120
Ion Ratio Lower Upper
91 100
126 35.2 17.8 53.5



#83
tert-Butylbenzene
Concen: 1.045 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion: 119 Resp: 14208
Ion Ratio Lower Upper
119 100
91 70.4 32.3 96.8
134 24.9 13.0 38.9

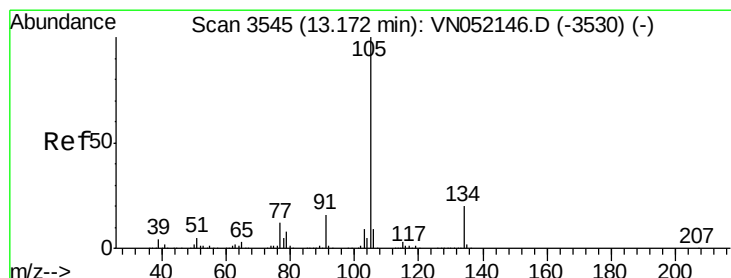
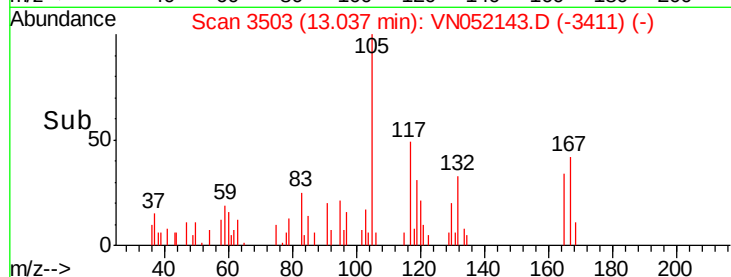
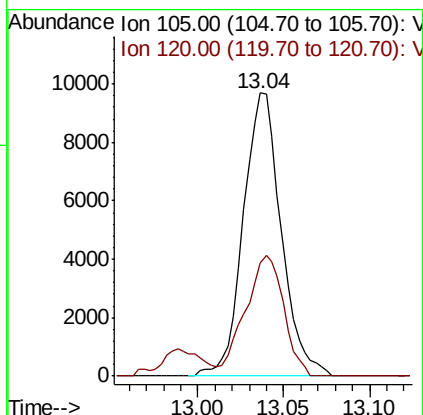
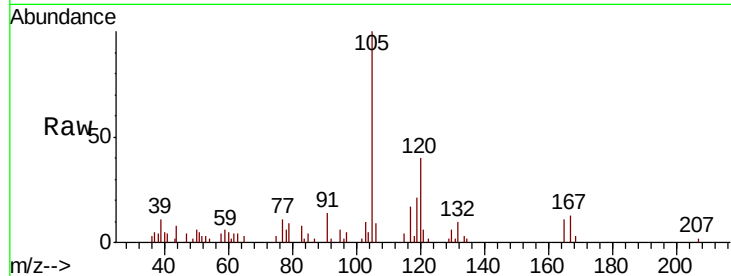




#84
 1,2,4-Trimethylbenzene
 Concen: 0.969 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

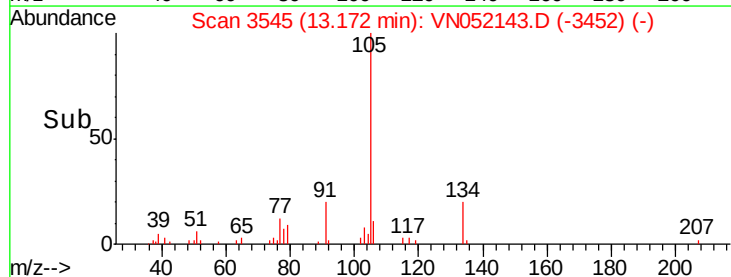
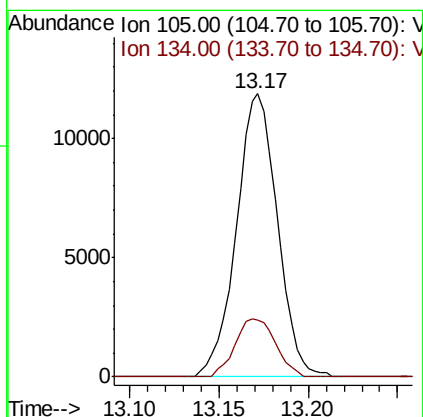
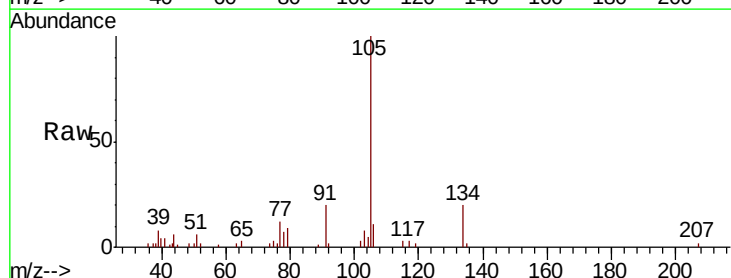
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

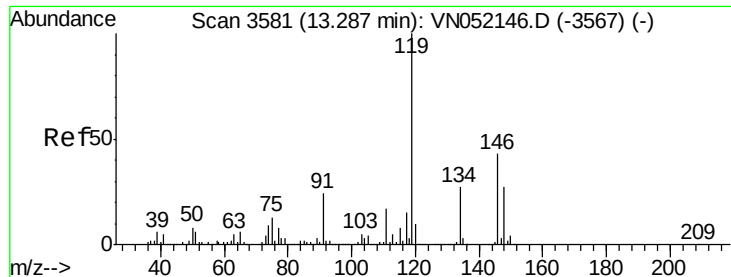
Tgt Ion:105 Resp: 14845
 Ion Ratio Lower Upper
 105 100
 120 43.0 23.2 69.5



#85
 sec-Butylbenzene
 Concen: 1.033 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion:105 Resp: 18977
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4

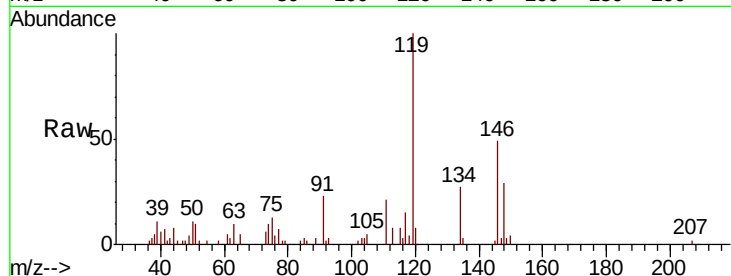




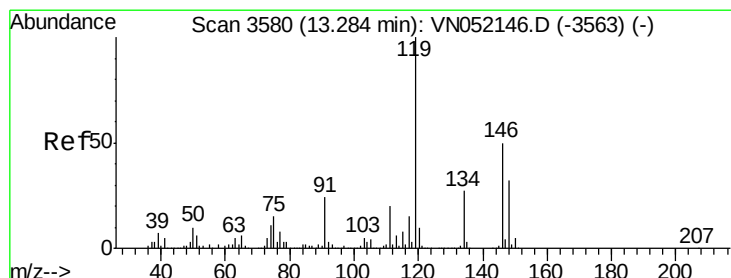
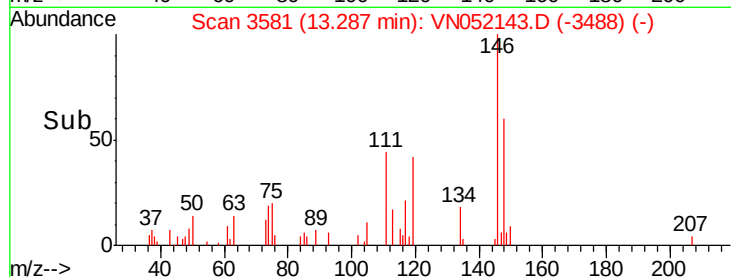
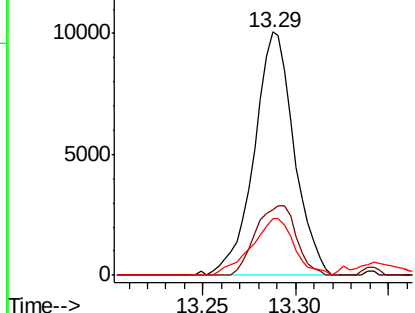
#86
 p-Isopropyltoluene
 Concen: 0.973 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:119 Resp: 15053
 Ion Ratio Lower Upper
 119 100
 134 29.3 13.5 40.5
 91 25.0 11.9 35.7

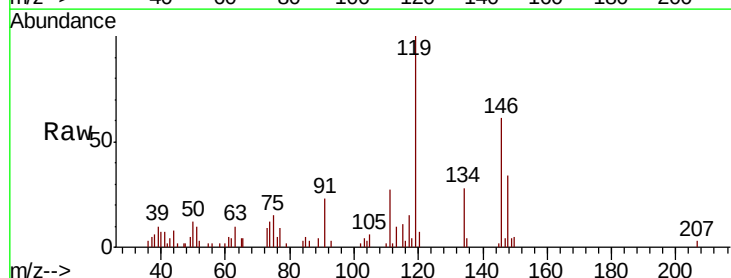


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

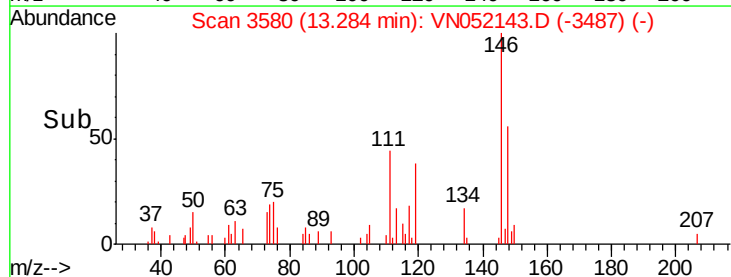
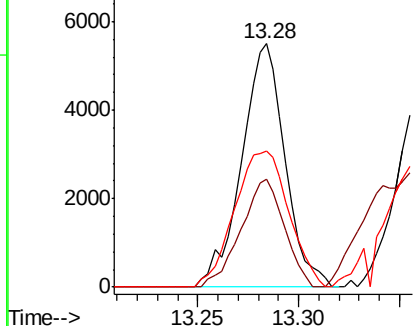


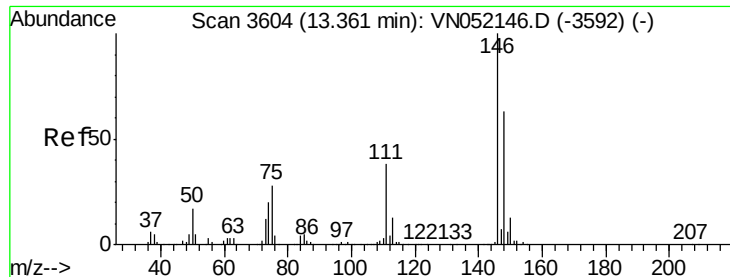
#87
 1,3-Dichlorobenzene
 Concen: 1.034 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion:146 Resp: 8285
 Ion Ratio Lower Upper
 146 100
 111 44.3 20.2 60.6
 148 69.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 1.034 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

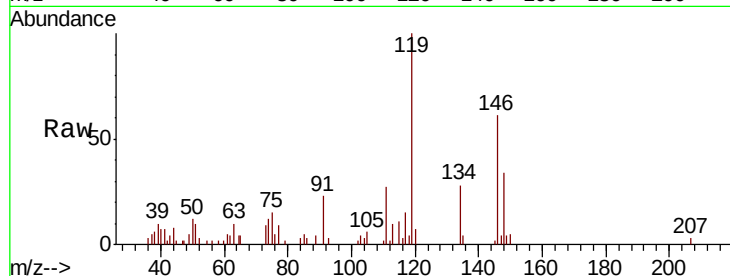
Tgt Ion: 146 Resp: 8285

Ion Ratio Lower Upper

146 100

111 44.3 19.4 58.1

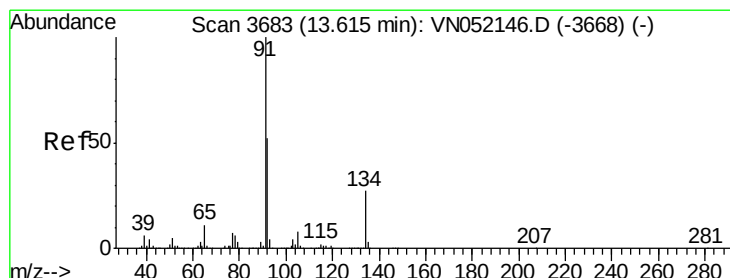
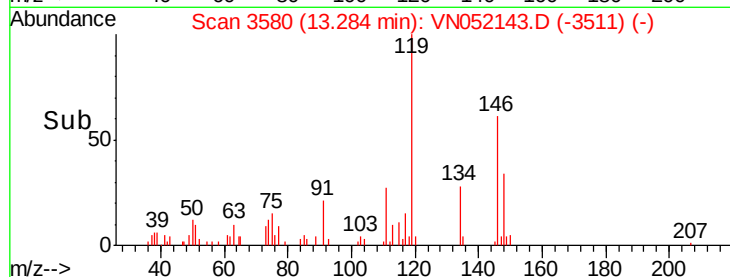
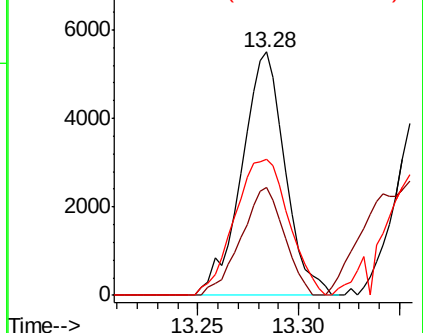
148 69.7 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 1.058 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

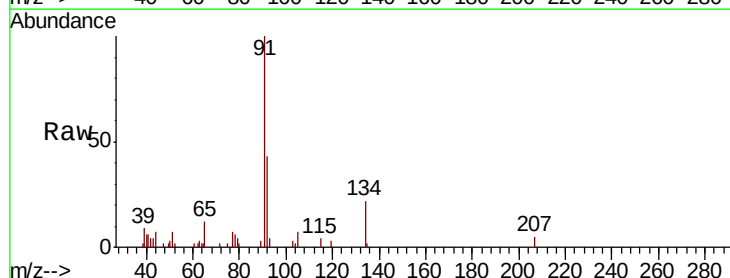
Tgt Ion: 91 Resp: 14171

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.8

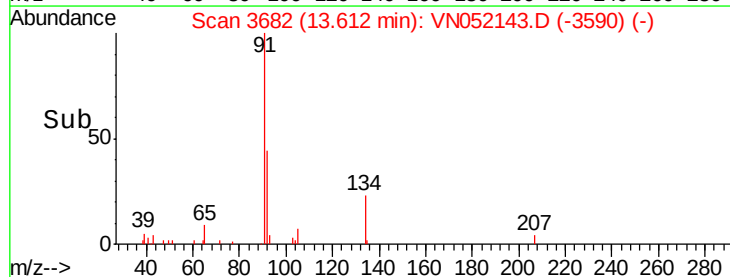
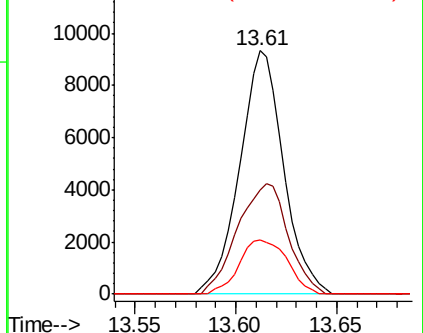
134 24.6 13.4 40.2

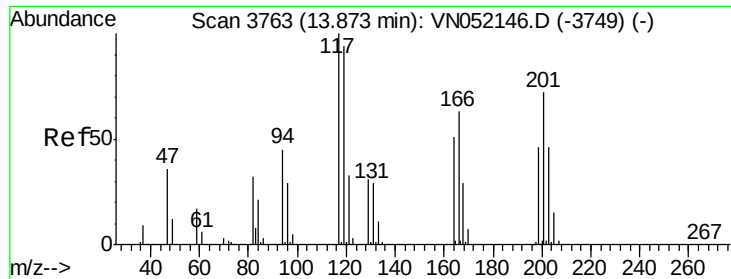


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.887 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

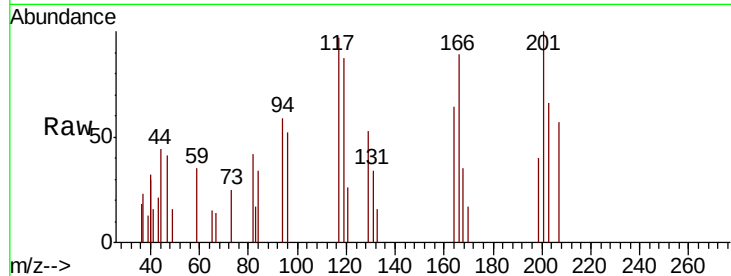
VSTDIC001

Tgt Ion:117 Resp: 2313

Ion Ratio Lower Upper

117 100

201 92.9 36.8 110.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.87

1500

1000

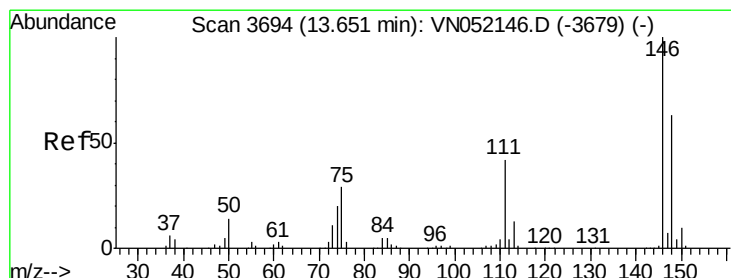
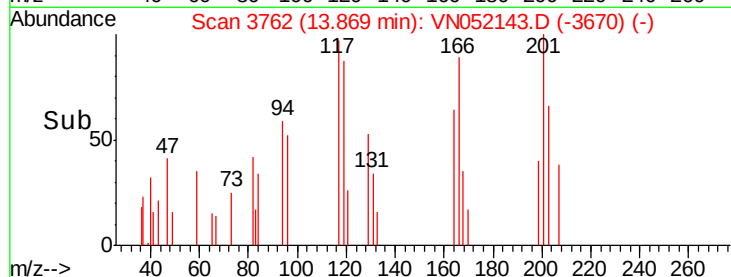
500

0

13.85

13.90

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.974 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

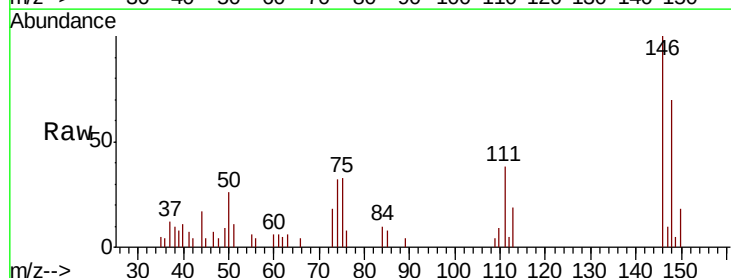
Tgt Ion:146 Resp: 7323

Ion Ratio Lower Upper

146 100

111 46.9 21.1 63.1

148 62.6 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

5000

4000

3000

2000

1000

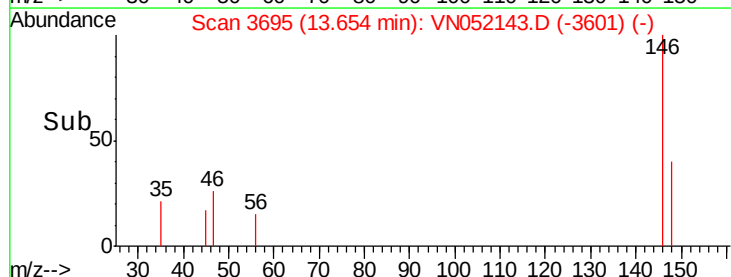
0

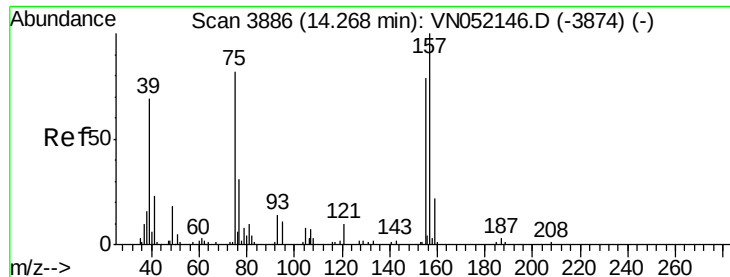
13.60

13.65

13.70

Time-->

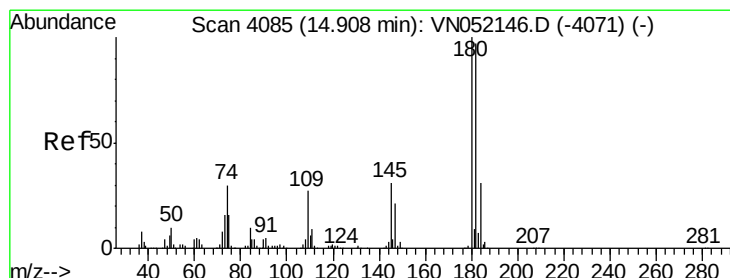
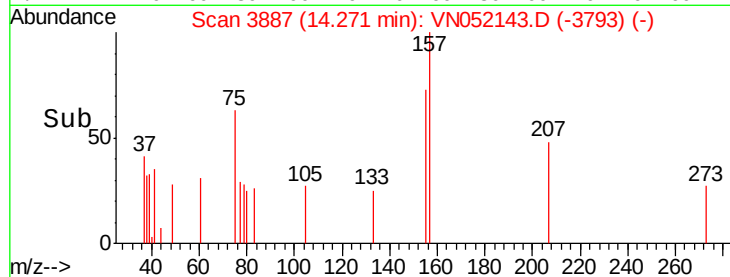
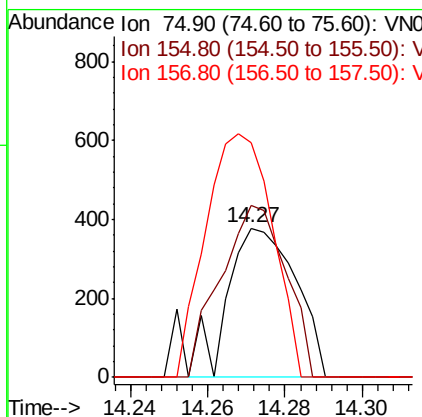
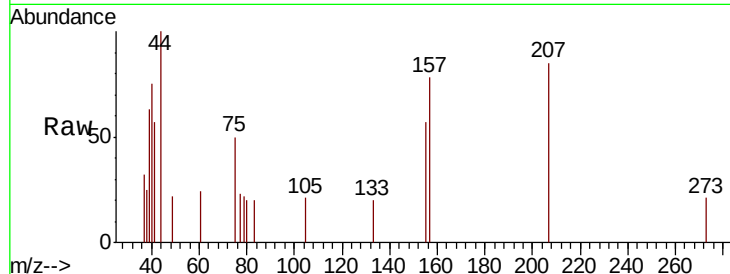




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.848 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

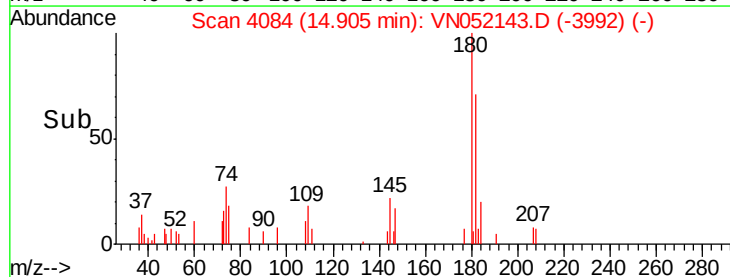
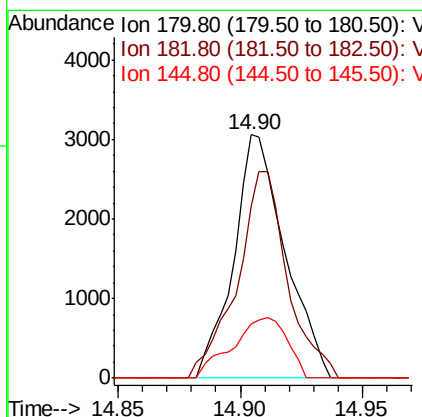
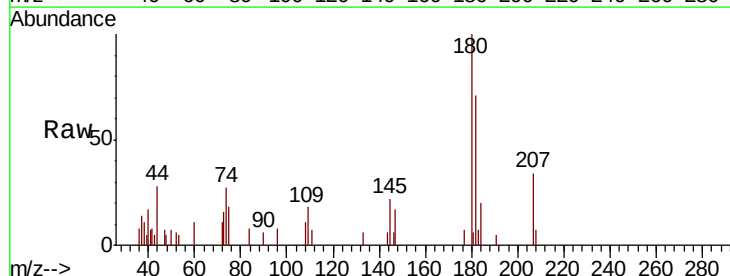
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

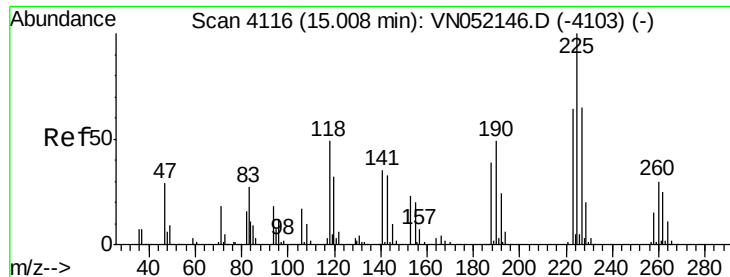
Tgt Ion: 75 Resp: 466
 Ion Ratio Lower Upper
 75 100
 155 109.7 47.4 142.2
 157 158.2 60.3 180.8



#93
 1,2,4-Trichlorobenzene
 Concen: 1.278 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion: 180 Resp: 4467
 Ion Ratio Lower Upper
 180 100
 182 82.9 48.1 144.4
 145 26.4 15.3 45.9





#94

Hexachlorobutadiene

Concen: 1.645 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

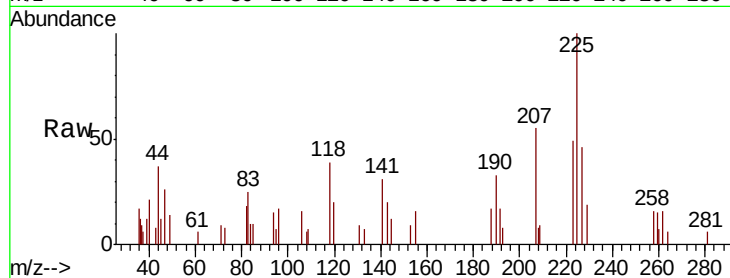
Tgt Ion:225 Resp: 3343

Ion Ratio Lower Upper

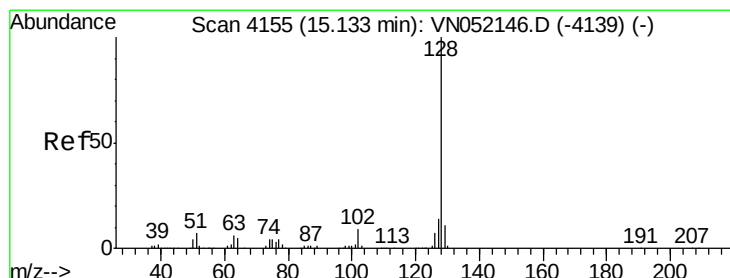
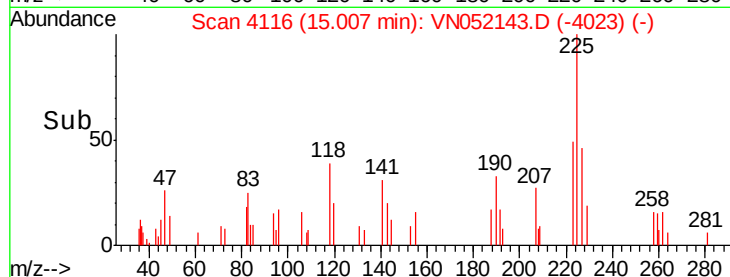
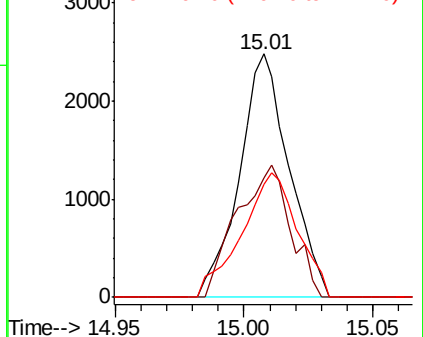
225 100

223 58.4 32.3 96.8

227 57.3 31.6 94.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.106 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

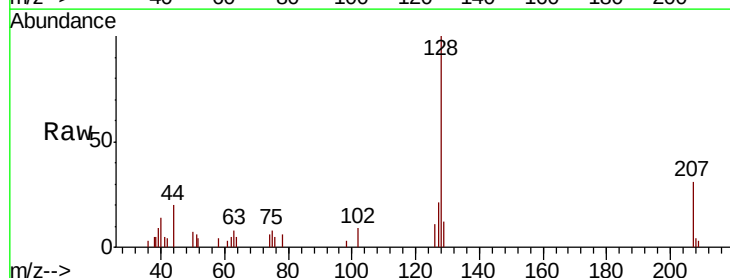
Tgt Ion:128 Resp: 8518

Ion Ratio Lower Upper

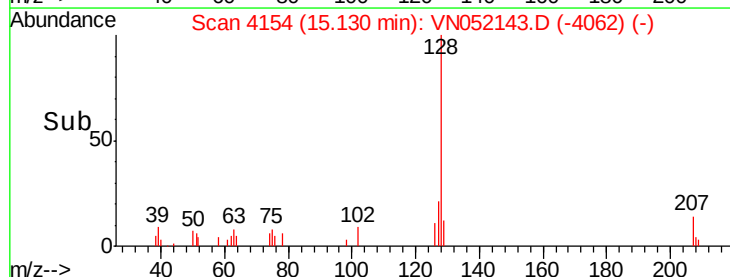
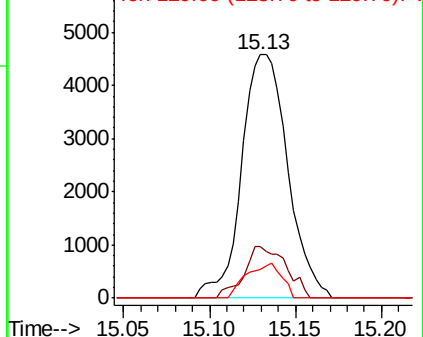
128 100

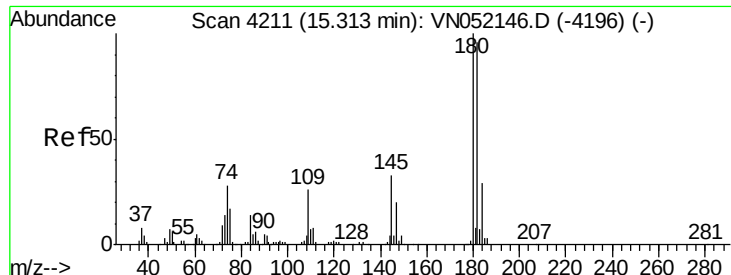
127 19.3 10.8 16.2#

129 11.0 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.355 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.4	46.6	139.7
145	16.5	16.7	50.0

