

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
 Data File : VN052399.D
 Acq On : 20 Nov 2018 11:17
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 20 13:19:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	262744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	436081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186473	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	200128	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
35) Dibromofluoromethane	7.59	113	147942	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
50) Toluene-d8	10.09	98	560224	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.40	95	197741	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	139949	50.27	ug/l	100
3) Chloromethane	2.06	50	174644	45.14	ug/l	100
4) Vinyl Chloride	2.19	62	161233	48.21	ug/l	98
5) Bromomethane	2.57	94	80430	38.57	ug/l	94
6) Chloroethane	2.71	64	95178	50.33	ug/l	99
7) Trichlorofluoromethane	3.02	101	242515	52.40	ug/l	100
8) Diethyl Ether	3.41	74	84655	47.99	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145200	49.68	ug/l	98
10) Methyl Iodide	3.96	142	157014	40.01	ug/l	97
11) Tert butyl alcohol	4.78	59	46185	235.67	ug/l	100
12) 1,1-Dichloroethene	3.74	96	128951	47.68	ug/l	98
13) Acrolein	3.61	56	86798	289.84	ug/l	99
14) Allyl chloride	4.33	41	280913	50.58	ug/l	97
15) Acrylonitrile	4.99	53	282430	252.38	ug/l	99
16) Acetone	3.82	43	294726	288.45	ug/l	91
17) Carbon Disulfide	4.06	76	388320	50.07	ug/l	97
18) Methyl Acetate	4.33	43	145281	50.74	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	394867	50.80	ug/l	100
20) Methylene Chloride	4.55	84	151101	48.59	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	137983	47.38	ug/l	98
22) Diisopropyl ether	5.95	45	585440	51.66	ug/l	99
23) Vinyl Acetate	5.90	43	1893934	246.38	ug/l	100
24) 1,1-Dichloroethane	5.85	63	302617	49.80	ug/l	99
25) 2-Butanone	6.84	43	393882	273.88	ug/l	94
26) 2,2-Dichloropropane	6.83	77	210443	47.10	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	161442	47.62	ug/l	94
28) Bromochloromethane	7.20	49	151443	48.47	ug/l	99
29) Tetrahydrofuran	7.21	42	251370	266.06	ug/l	98
30) Chloroform	7.37	83	296820	51.26	ug/l	97
31) Cyclohexane	7.65	56	283764	50.31	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	245336	49.73	ug/l	97
36) 1,1-Dichloropropene	7.80	75	229173	52.43	ug/l	99
37) Ethyl Acetate	6.93	43	158880	50.09	ug/l	98
38) Carbon Tetrachloride	7.77	117	217466	54.16	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	259699	52.05	ug/l	98
40) Benzene	8.04	78	627860	50.28	ug/l	98
41) Methacrylonitrile	7.17	41	87243	49.56	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	241708	54.28	ug/l	99
43) Isopropyl Acetate	8.17	43	293769	47.99	ug/l	99
44) Trichloroethene	8.84	130	156266	50.81	ug/l	98
45) 1,2-Dichloropropane	9.12	63	180366	50.90	ug/l	99
46) Dibromomethane	9.21	93	107134	52.22	ug/l	96
47) Bromodichloromethane	9.40	83	231773	55.06	ug/l	99
48) Methyl methacrylate	9.20	41	147936	47.63	ug/l	97
49) 1,4-Dioxane	9.20	88	25884	1085.61	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	847159	274.95	ug/l	99
52) Toluene	10.16	92	384760	51.51	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	218964	51.57	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	253568	52.39	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	137081	50.62	ug/l	98
56) Ethyl methacrylate	10.43	69	173712	48.78	ug/l	95
57) 1,3-Dichloropropane	10.71	76	250698	52.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	544935	268.78	ug/l	98
59) 2-Hexanone	10.75	43	596710	281.56	ug/l	99
60) Dibromochloromethane	10.90	129	158152	53.98	ug/l	99
61) 1,2-Dibromoethane	11.00	107	136125	50.47	ug/l	100
64) Tetrachloroethene	10.63	164	138773	49.41	ug/l	98
65) Chlorobenzene	11.43	112	420733	50.39	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	147802	51.91	ug/l	99
67) Ethyl Benzene	11.51	91	764296	52.74	ug/l	100
68) m/p-Xylenes	11.62	106	563610	106.44	ug/l	98
69) o-Xylene	11.95	106	272107	53.61	ug/l	98
70) Styrene	11.96	104	446472	54.93	ug/l	99
71) Bromoform	12.13	173	96421	57.35	ug/l #	97
73) Isopropylbenzene	12.25	105	751340	50.11	ug/l	99
74) N-amyl acetate	12.07	43	246967	46.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	176262	48.63	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	232076	73.35	ug/l #	100
77) Bromobenzene	12.53	156	167439	48.00	ug/l	97
78) n-propylbenzene	12.59	91	896614	51.14	ug/l	99
79) 2-Chlorotoluene	12.67	91	510280	49.82	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	614694	51.56	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47104	48.28	ug/l	94
82) 4-Chlorotoluene	12.77	91	530010	50.50	ug/l	99
83) tert-Butylbenzene	12.99	119	537484	51.06	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	623580	52.10	ug/l	99
85) sec-Butylbenzene	13.17	105	747144	52.11	ug/l	100
86) p-Isopropyltoluene	13.29	119	640476	52.73	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	309689	49.99	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	307525	49.93	ug/l	99
89) n-Butylbenzene	13.62	91	582473	55.84	ug/l	99
90) Hexachloroethane	13.88	117	111820	51.98	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	298637	49.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28486	53.30	ug/l	92

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QLast Update : Thu Nov 15 03:02:37 2018
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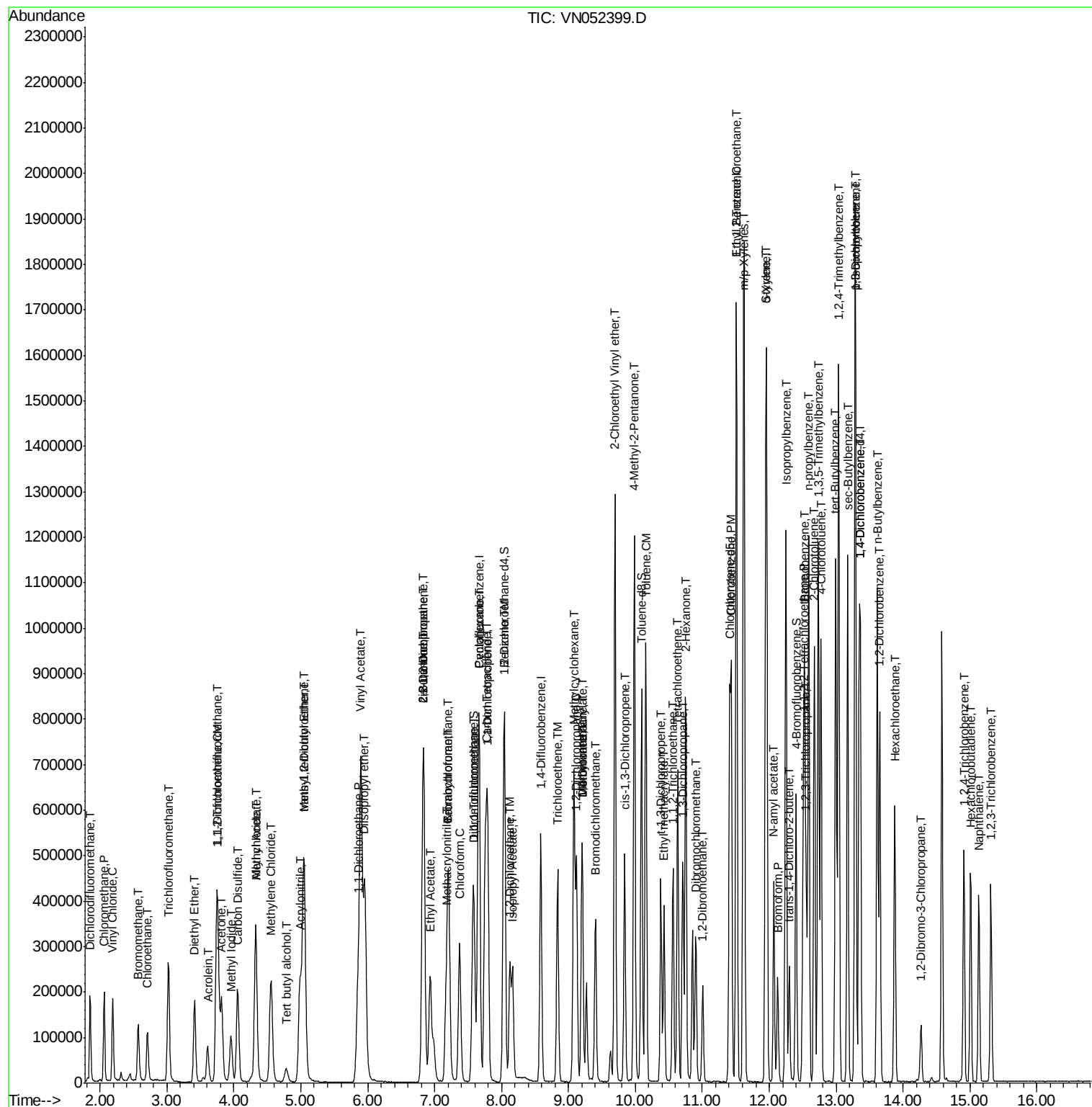
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143850	51.44	ug/l	98
94) Hexachlorobutadiene	15.01	225	75444	54.92	ug/l	100
95) Naphthalene	15.13	128	324489	49.20	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	129384	56.73	ug/l	98

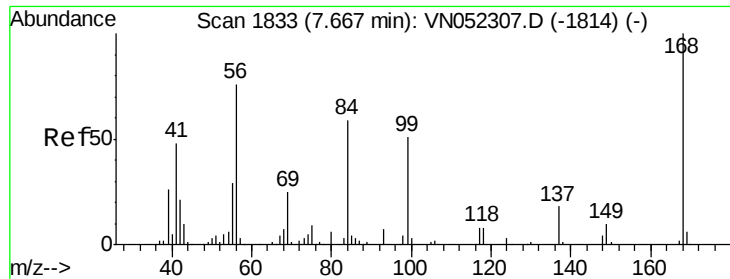
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

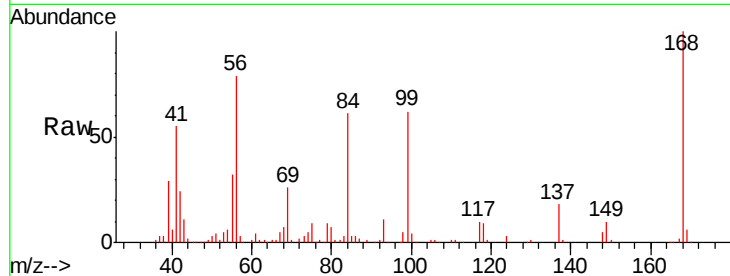
VSTDCCC050

Tgt Ion:168 Resp: 262744

Ion Ratio Lower Upper

168 100

99 61.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

120000

100000

80000

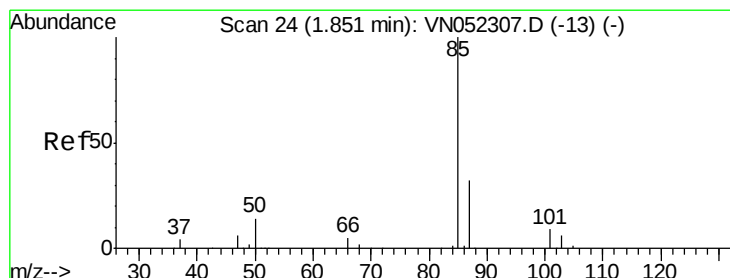
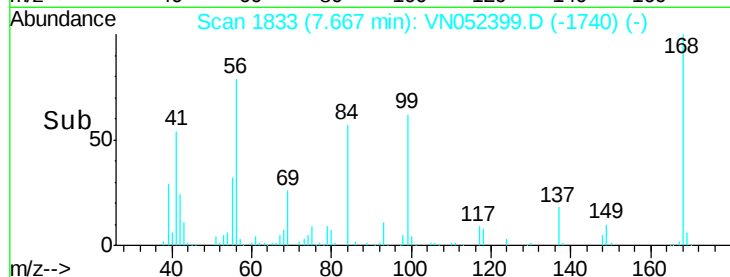
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.27 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052399.D

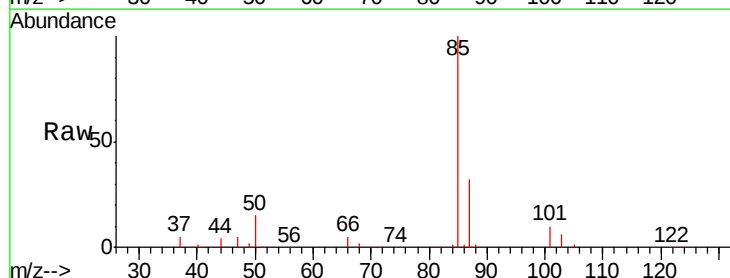
Acq: 20 Nov 2018 11:17

Tgt Ion: 85 Resp: 139949

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

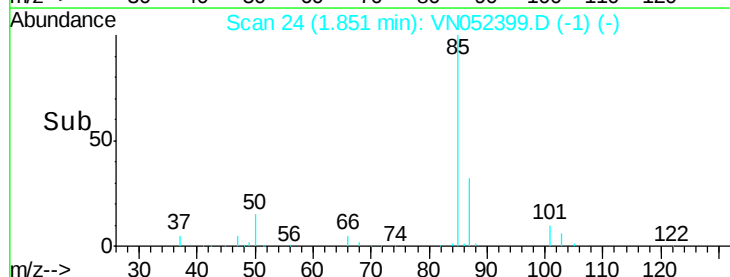
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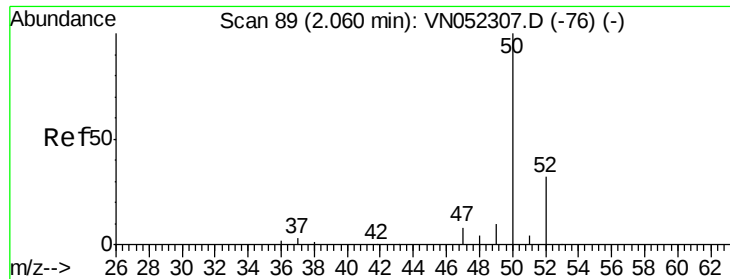
40000

20000

0

Time-->





#3

Chloromethane

Concen: 45.14 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

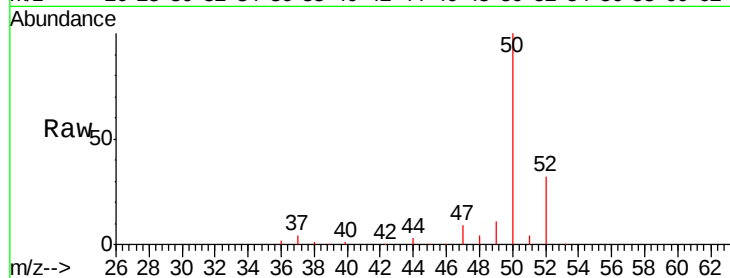
VSTDCCC050

Tgt Ion: 50 Resp: 174644

Ion Ratio Lower Upper

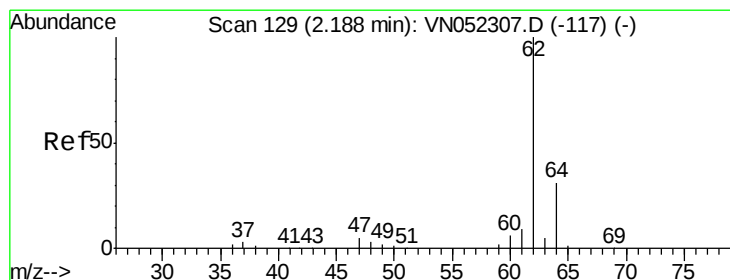
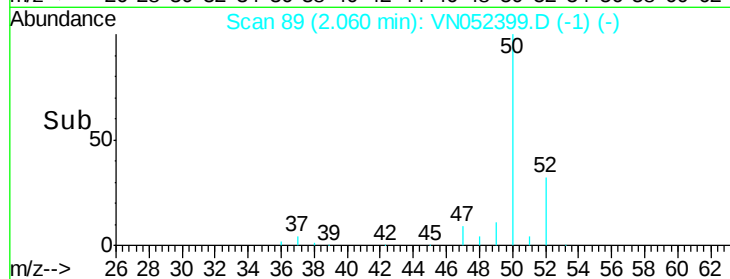
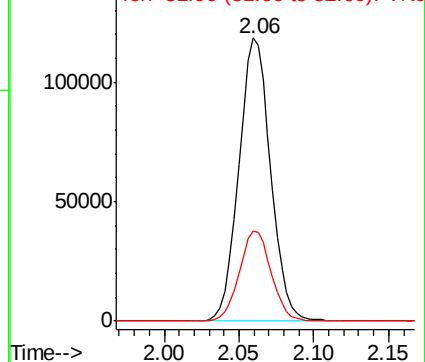
50 100

52 32.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.21 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052399.D

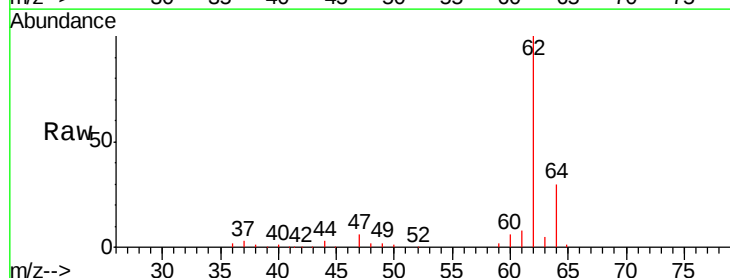
Acq: 20 Nov 2018 11:17

Tgt Ion: 62 Resp: 161233

Ion Ratio Lower Upper

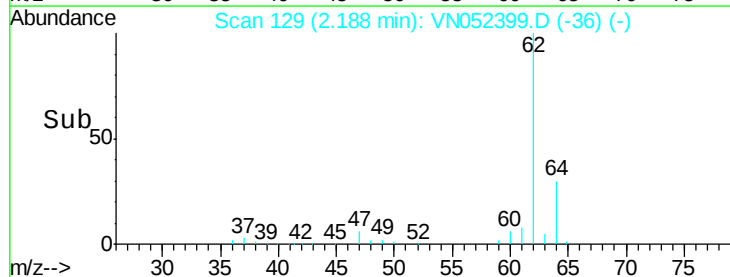
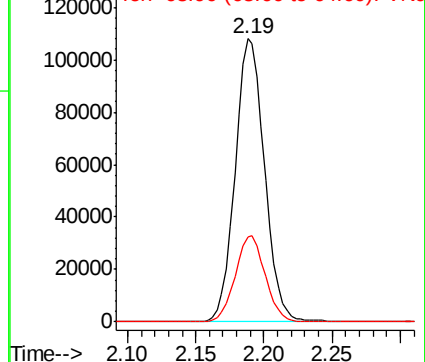
62 100

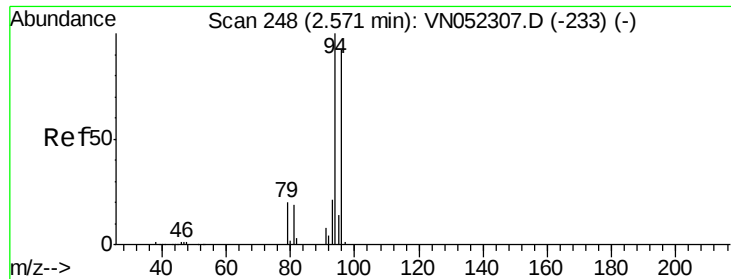
64 30.2 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 38.57 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

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Acq: 20 Nov 2018 11:17

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ClientSampleId :

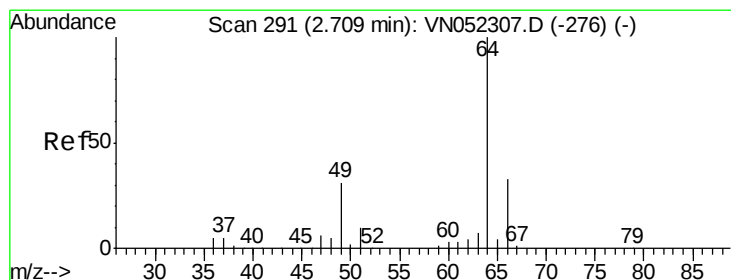
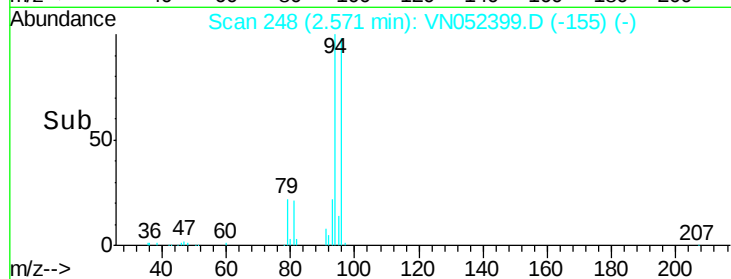
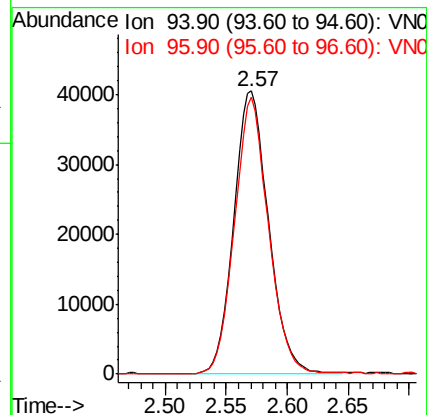
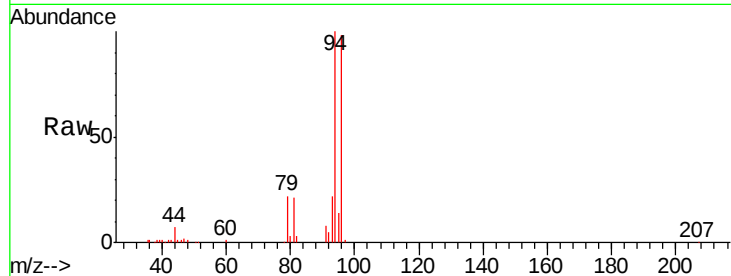
VSTDCCC050

Tgt Ion: 94 Resp: 80430

Ion Ratio Lower Upper

94 100

96 97.7 73.6 110.4



#6

Chloroethane

Concen: 50.33 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052399.D

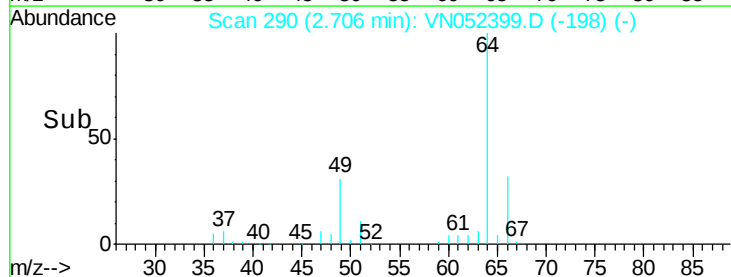
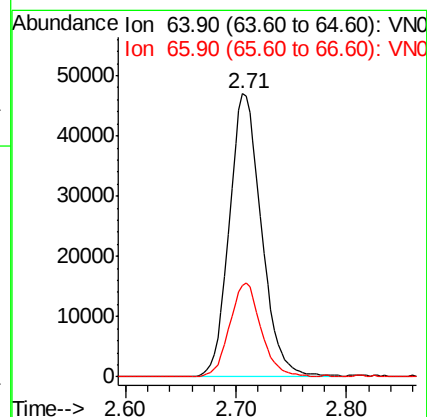
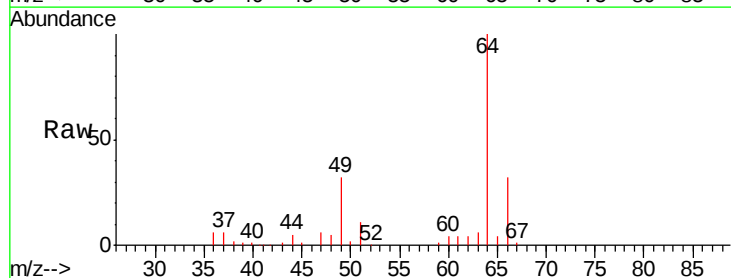
Acq: 20 Nov 2018 11:17

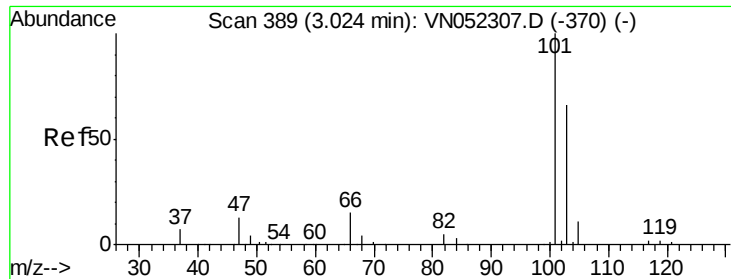
Tgt Ion: 64 Resp: 95178

Ion Ratio Lower Upper

64 100

66 32.4 26.2 39.2



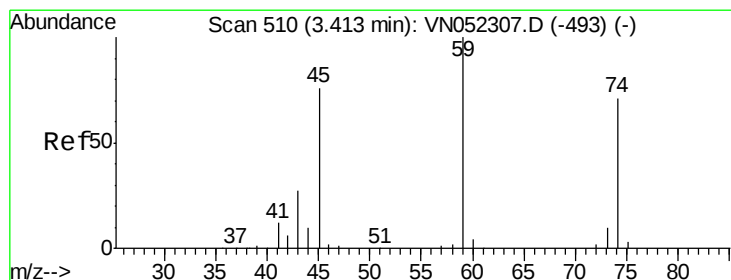
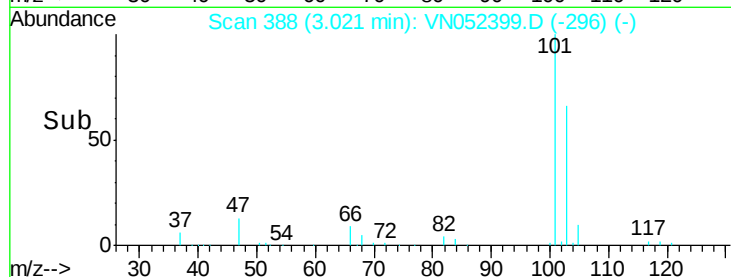
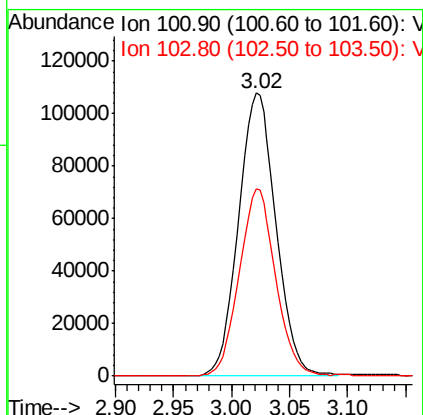
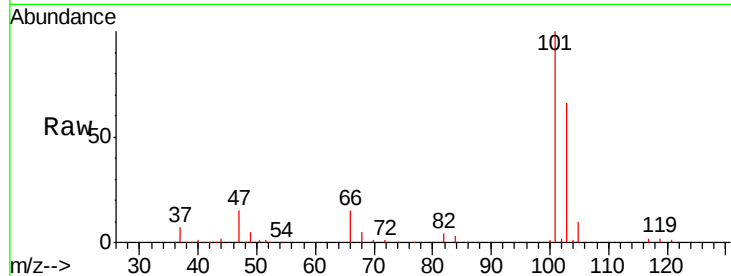


#7

Trichlorofluoromethane
 Concen: 52.40 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

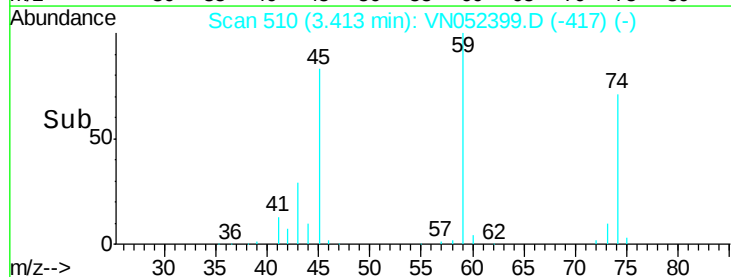
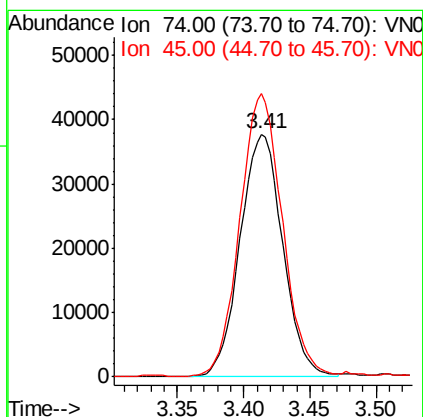
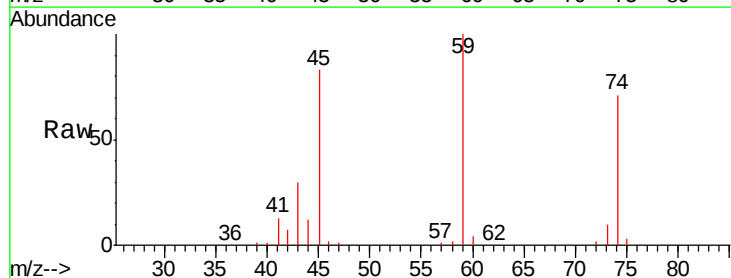
Tgt Ion: 101 Resp: 242515
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.8 79.2

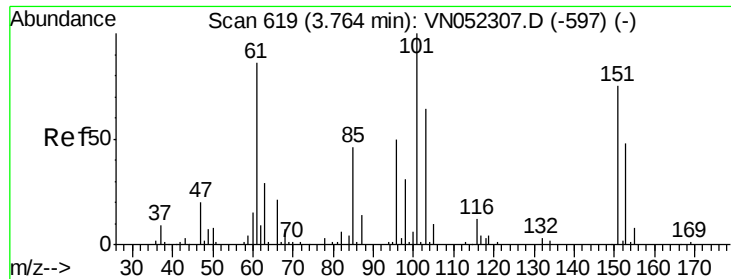


#8

Diethyl Ether
 Concen: 47.99 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion: 74 Resp: 84655
 Ion Ratio Lower Upper
 74 100
 45 116.5 54.3 162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.68 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

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VSTDCCC050

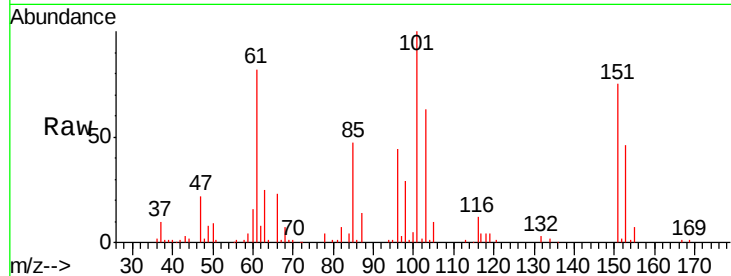
Tgt Ion:101 Resp: 145200

Ion Ratio Lower Upper

101 100

85 49.2 37.4 56.0

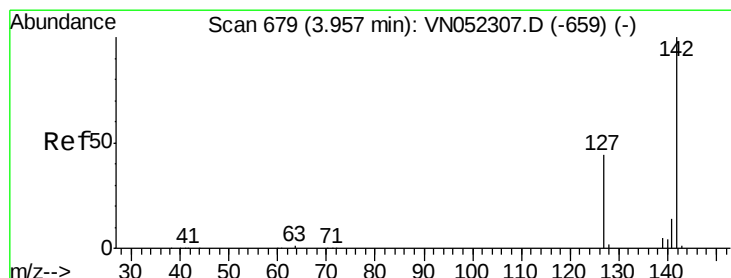
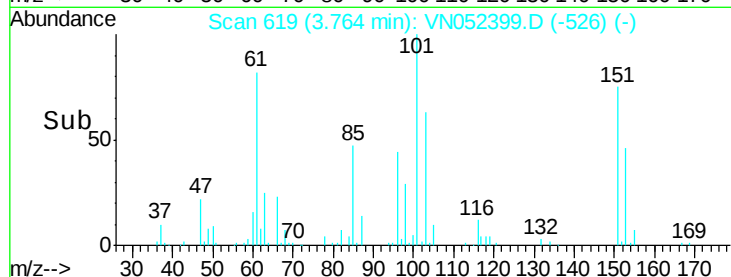
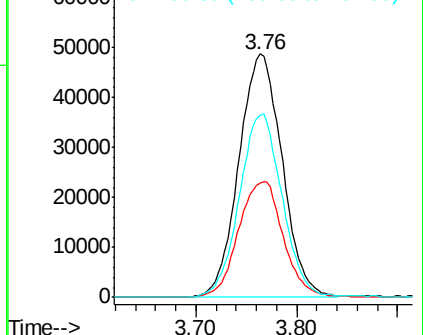
151 74.5 58.6 88.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.01 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

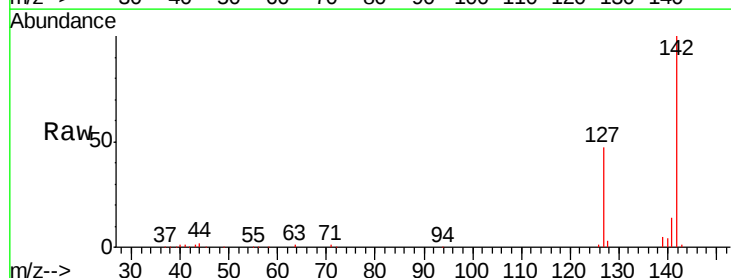
Tgt Ion:142 Resp: 157014

Ion Ratio Lower Upper

142 100

127 47.7 36.3 54.5

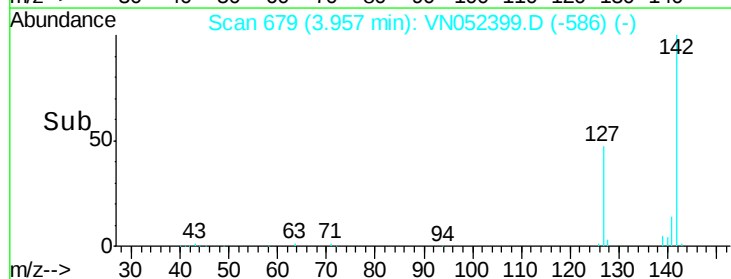
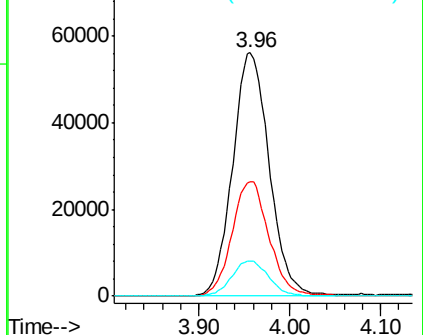
141 14.6 11.4 17.2

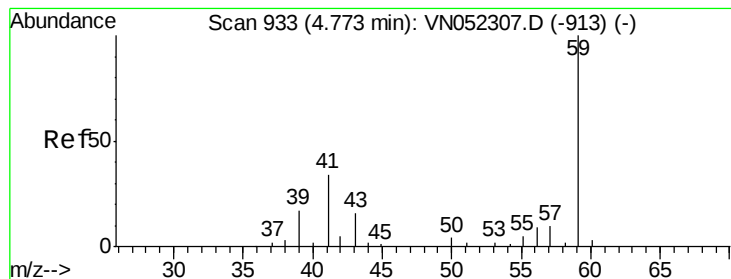


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



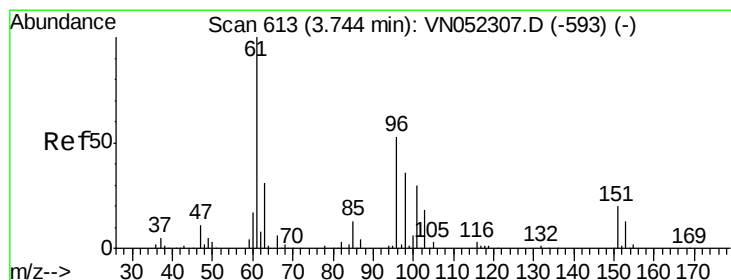
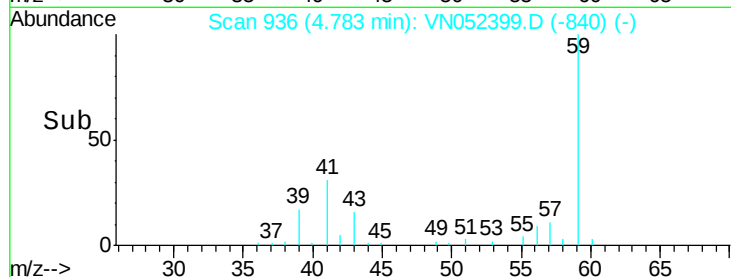
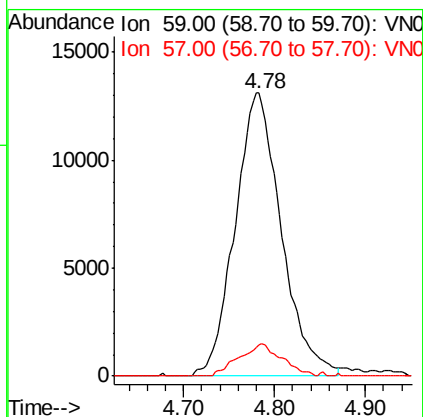
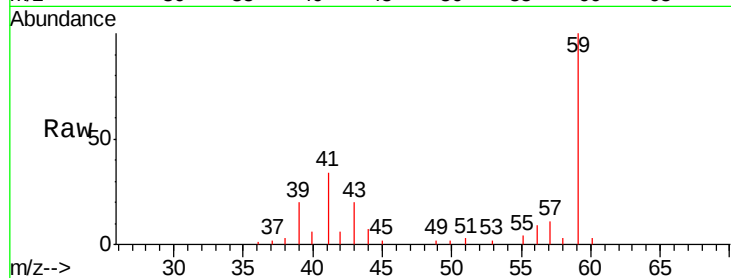


#11

Tert butyl alcohol
 Concen: 235.67 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

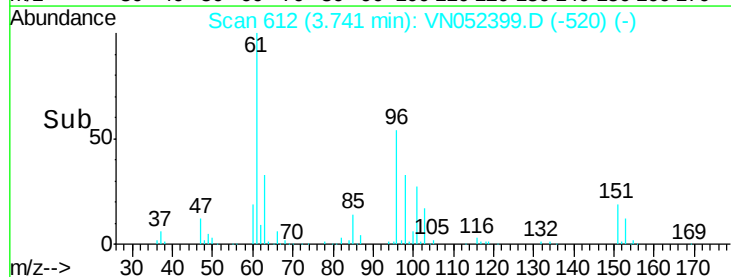
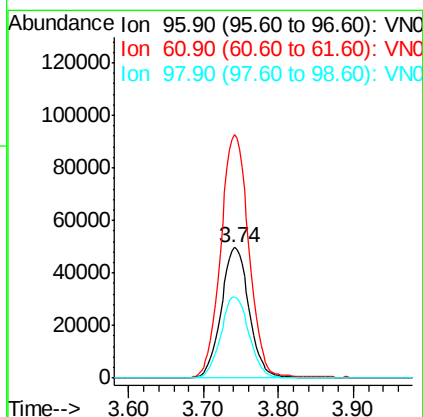
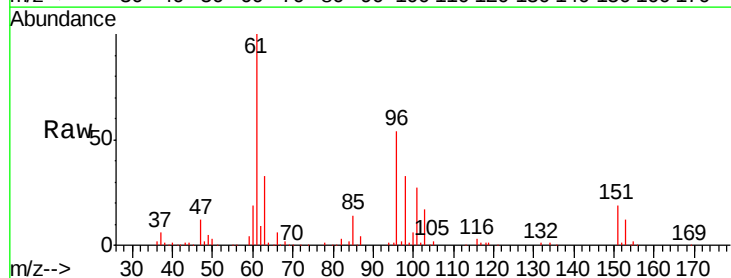
Tgt Ion: 59 Resp: 46185
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

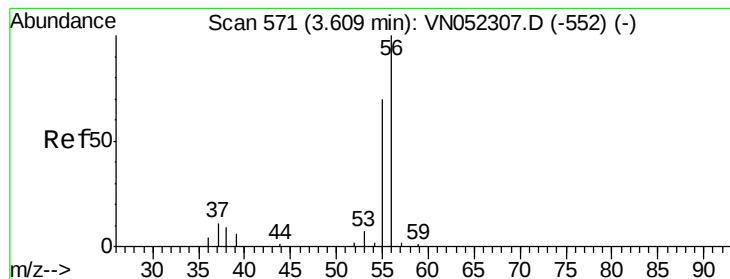


#12

1,1-Dichloroethene
 Concen: 47.68 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion: 96 Resp: 128951
 Ion Ratio Lower Upper
 96 100
 61 186.7 149.6 224.4
 98 62.3 54.2 81.2





#13

Acrolein

Concen: 289.84 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

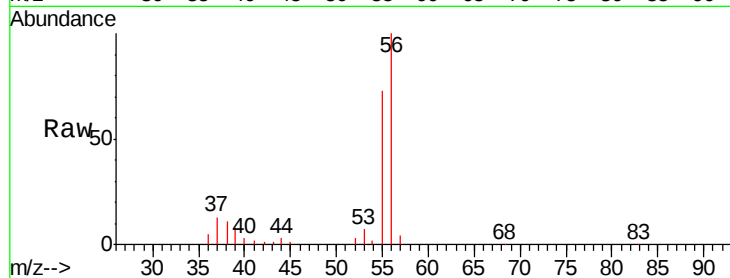
VSTDCCC050

Tgt Ion: 56 Resp: 86798

Ion Ratio Lower Upper

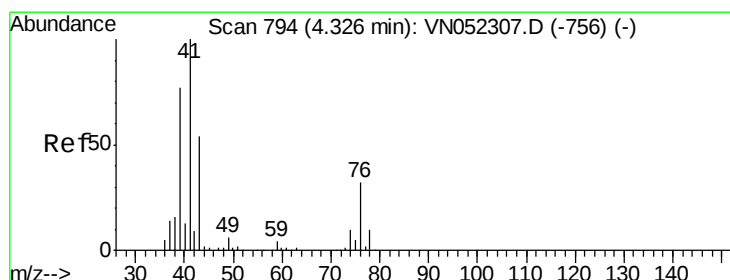
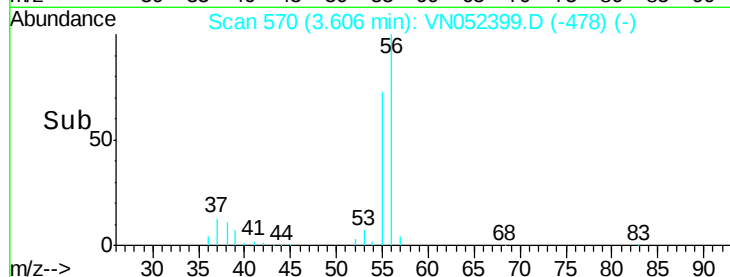
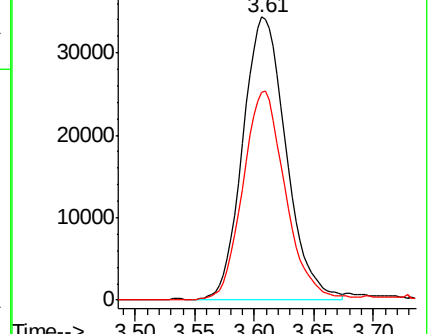
56 100

55 72.5 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VN052307.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052307.D (-552) (-)



#14

Allyl chloride

Concen: 50.58 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

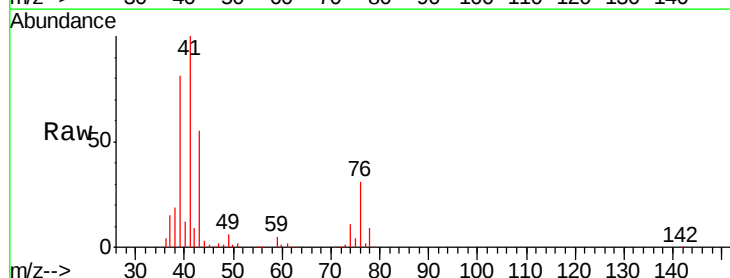
Tgt Ion: 41 Resp: 280913

Ion Ratio Lower Upper

41 100

39 75.9 59.1 88.7

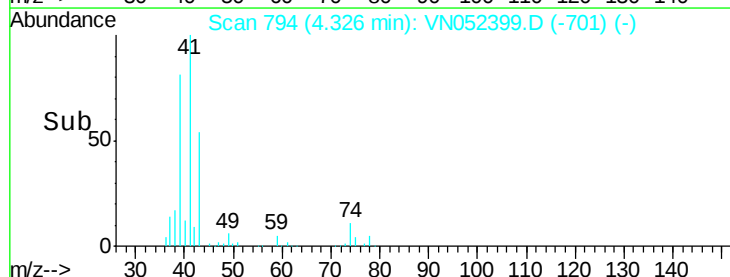
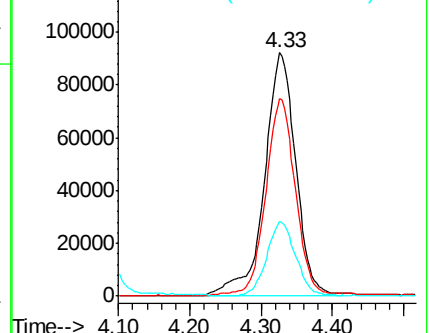
76 27.7 24.1 36.1

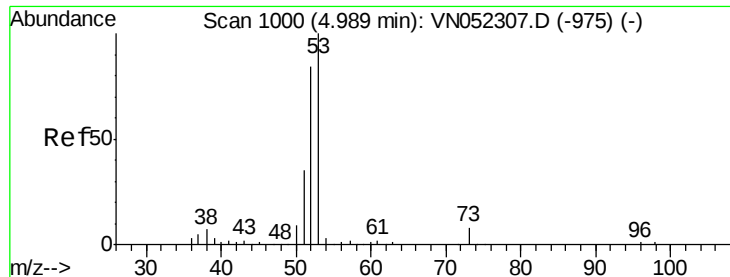


Abundance Ion 41.00 (40.70 to 41.70): VN052307.D (-756) (-)

Ion 39.00 (38.70 to 39.70): VN052307.D (-756) (-)

Ion 75.90 (75.60 to 76.60): VN052307.D (-756) (-)





#15

Acrylonitrile

Concen: 252.38 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

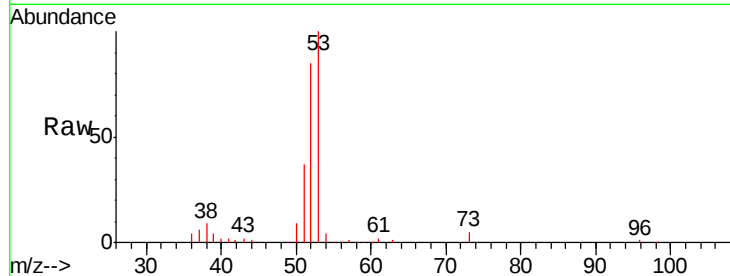
Tgt Ion: 53 Resp: 282430

Ion Ratio Lower Upper

53 100

52 84.6 67.5 101.3

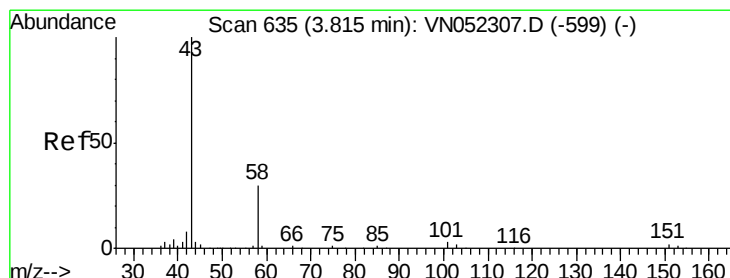
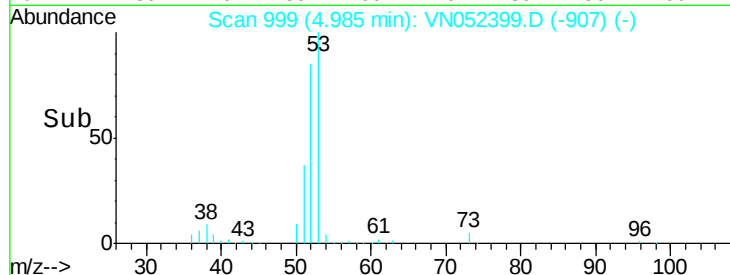
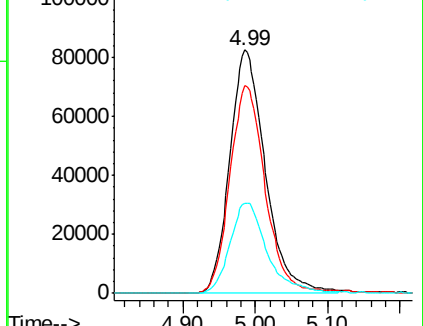
51 38.7 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN052307.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN052307.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN052307.D (-975) (-)



#16

Acetone

Concen: 288.45 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052399.D

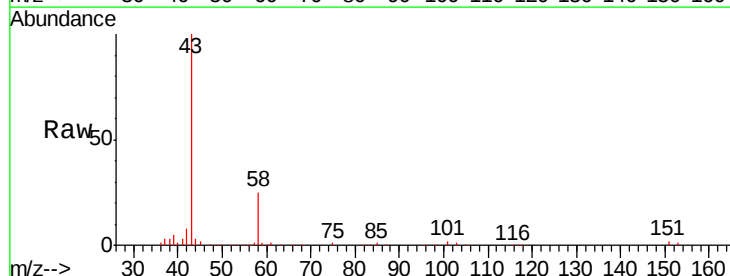
Acq: 20 Nov 2018 11:17

Tgt Ion: 43 Resp: 294726

Ion Ratio Lower Upper

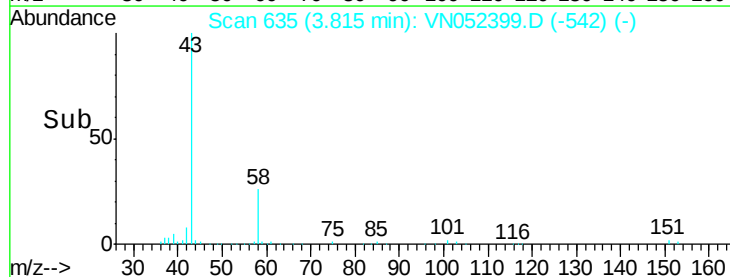
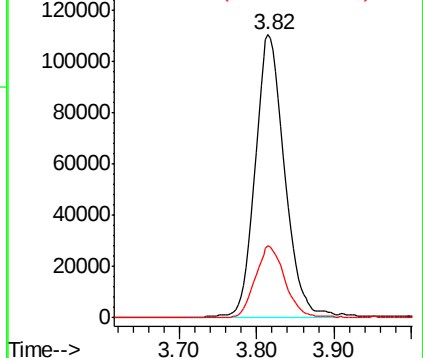
43 100

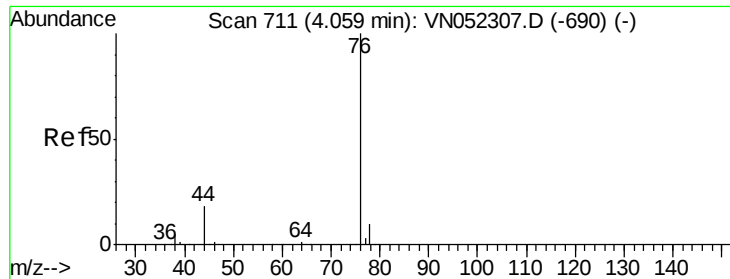
58 25.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)

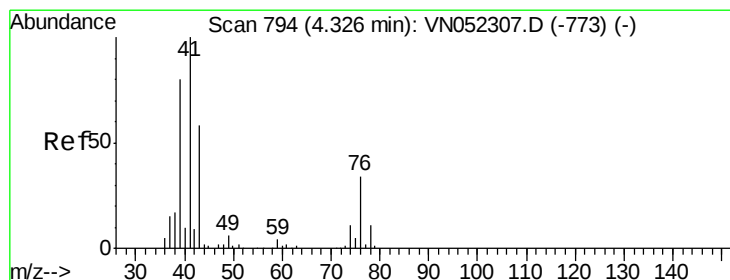
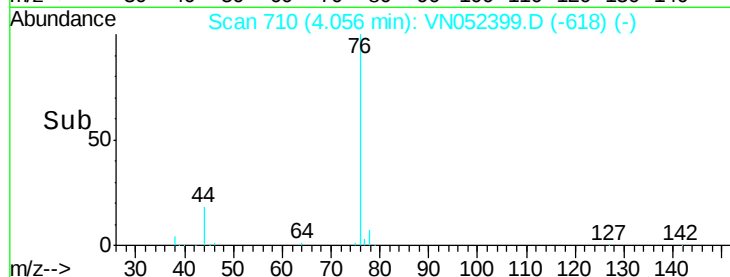
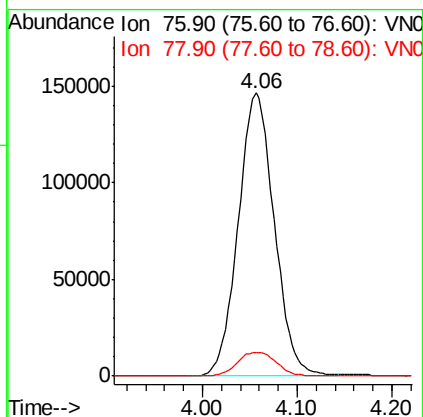
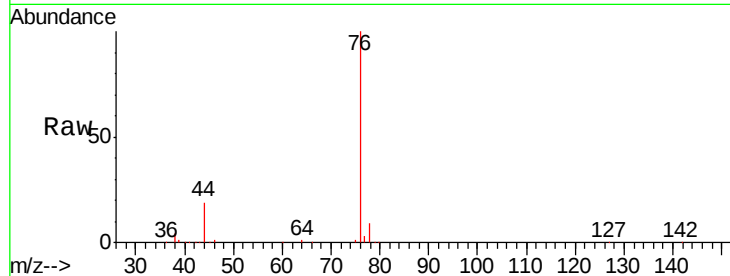




#17
Carbon Disulfide
Concen: 50.07 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

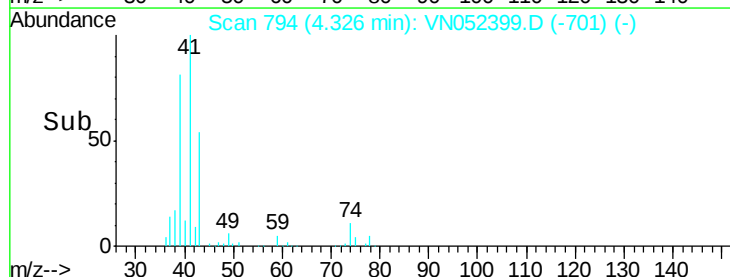
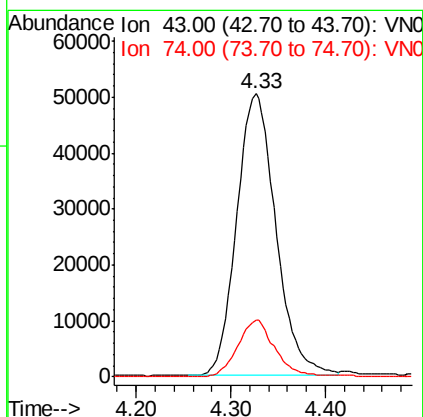
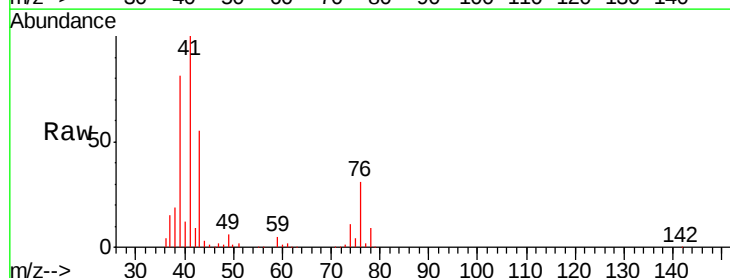
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

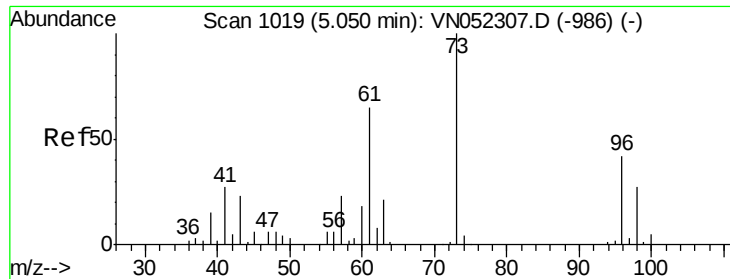
Tgt Ion: 76 Resp: 388320
Ion Ratio Lower Upper
76 100
78 8.5 7.7 11.5



#18
Methyl Acetate
Concen: 50.74 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion: 43 Resp: 145281
Ion Ratio Lower Upper
43 100
74 19.4 15.9 23.9

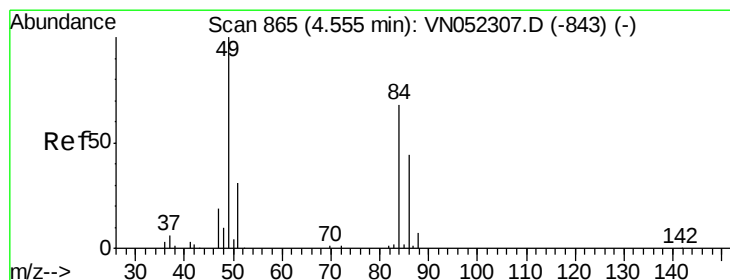
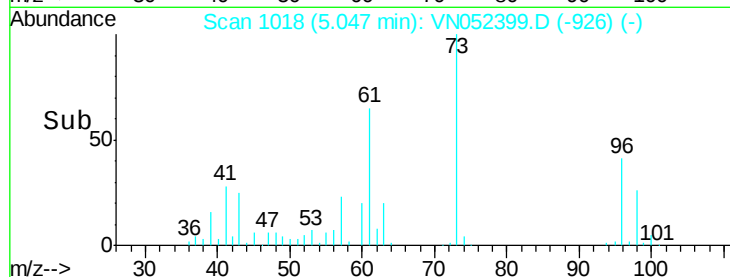
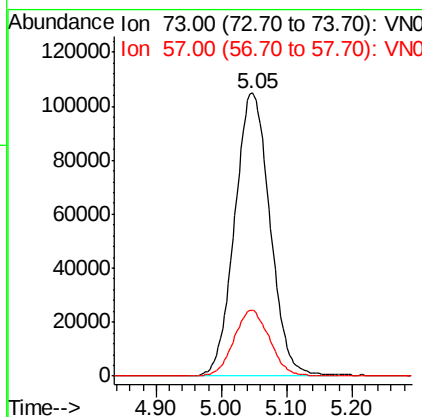
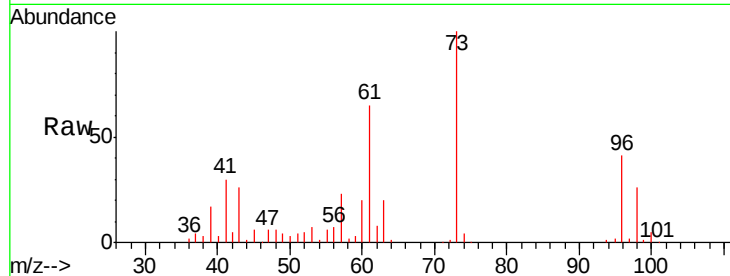




#19
Methyl tert-butyl Ether
Concen: 50.80 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

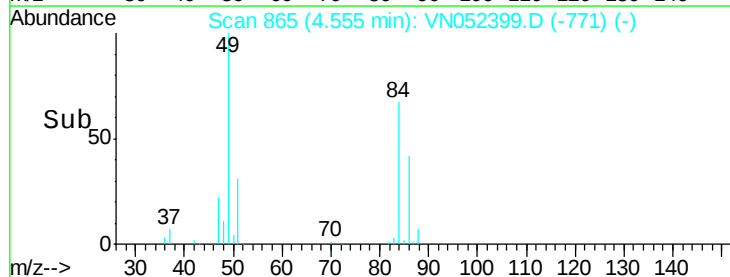
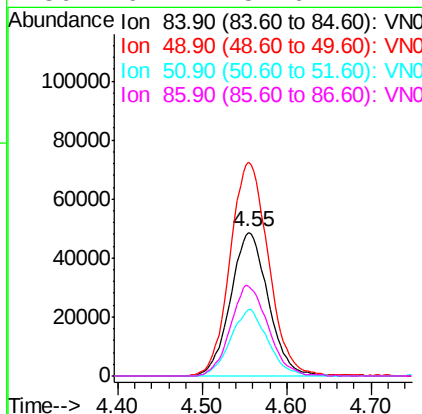
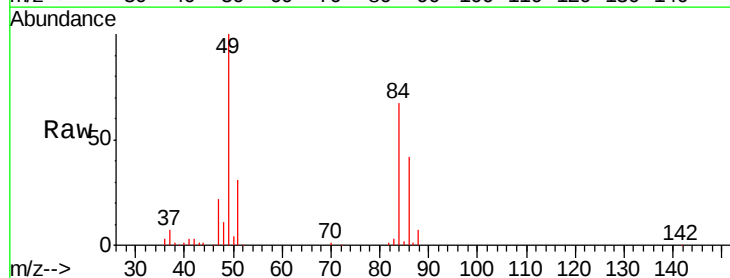
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

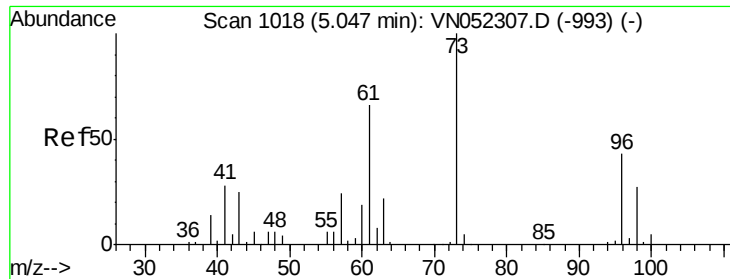
Tgt Ion: 73 Resp: 394867
Ion Ratio Lower Upper
73 100
57 23.3 18.7 28.1



#20
Methylene Chloride
Concen: 48.59 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion: 84 Resp: 151101
Ion Ratio Lower Upper
84 100
49 148.5 118.2 177.2
51 46.3 36.1 54.1
86 62.7 51.6 77.4

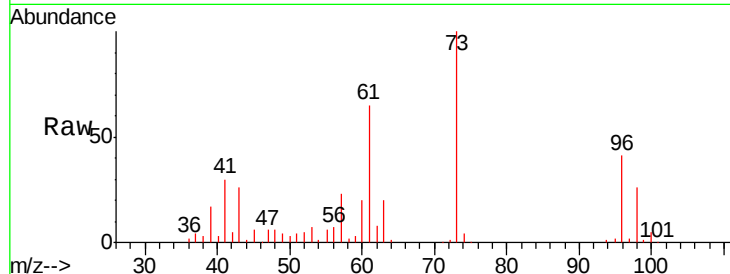




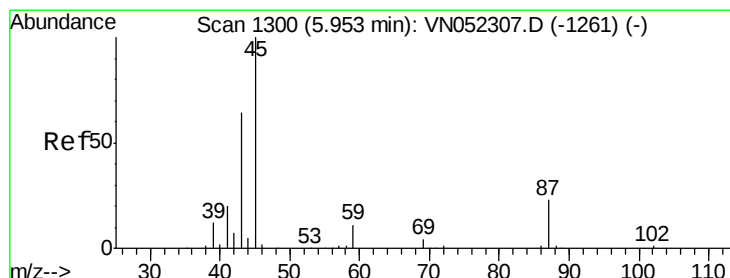
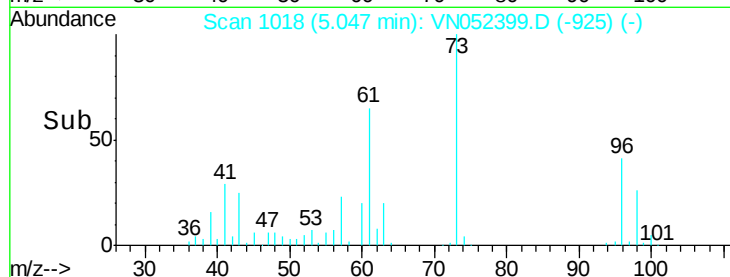
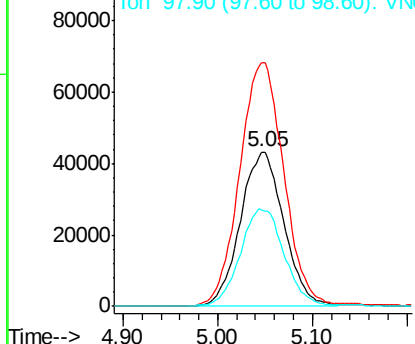
#21
trans-1,2-Dichloroethene
Concen: 47.38 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 137983
Ion Ratio Lower Upper
96 100
61 157.1 123.6 185.4
98 62.5 50.7 76.1

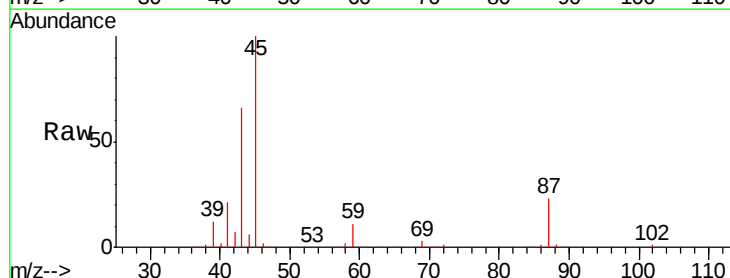


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

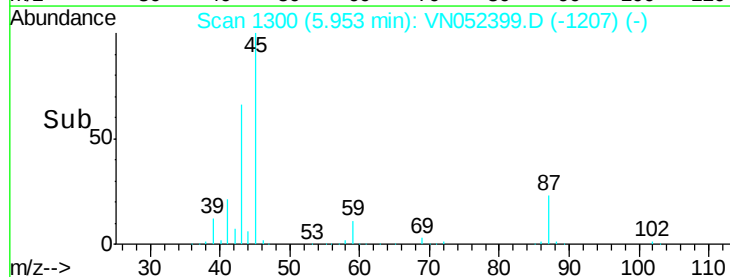
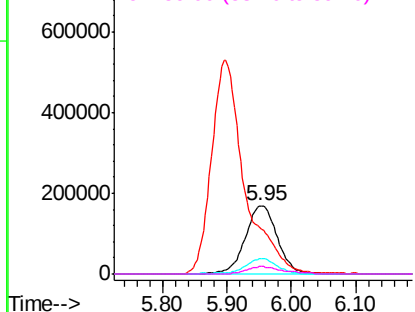


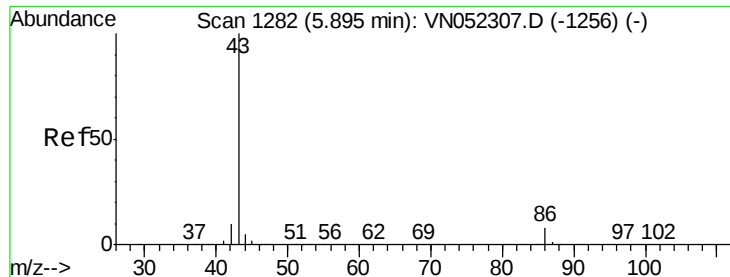
#22
Diisopropyl ether
Concen: 51.66 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion: 45 Resp: 585440
Ion Ratio Lower Upper
45 100
43 64.9 51.4 77.2
87 22.8 18.8 28.2
59 10.5 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 246.38 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

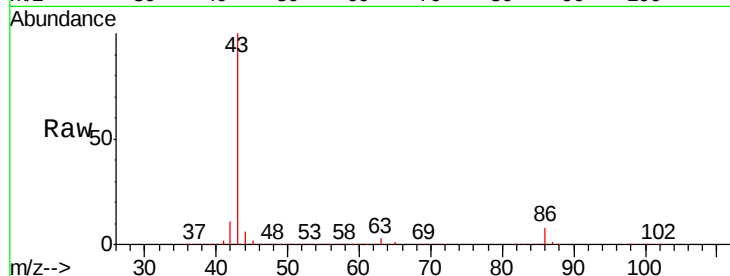
VSTDCCC050

Tgt Ion: 43 Resp: 1893934

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN052307.D (-1256) (-)

5.90

600000

500000

400000

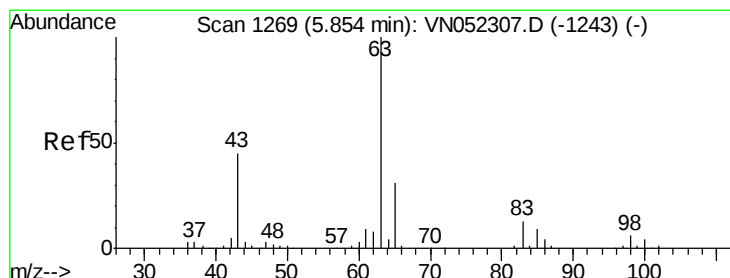
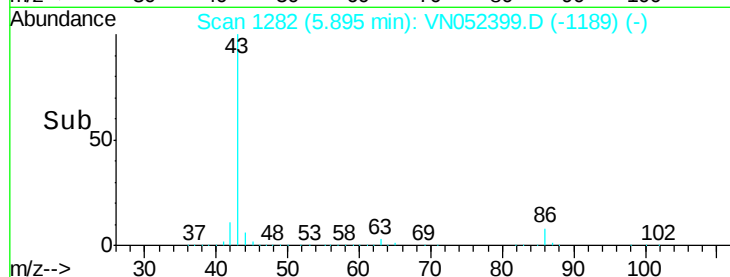
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.80 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

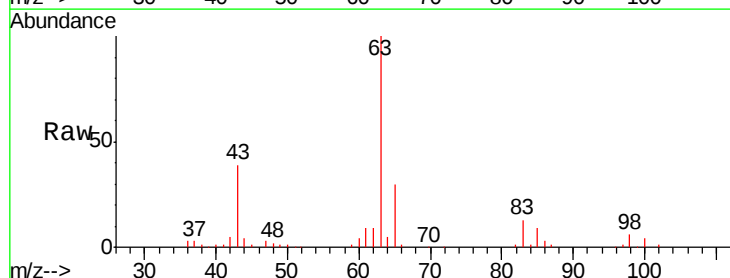
Tgt Ion: 63 Resp: 302617

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN052307.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052307.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052307.D (-1243) (-)

5.85

120000

100000

80000

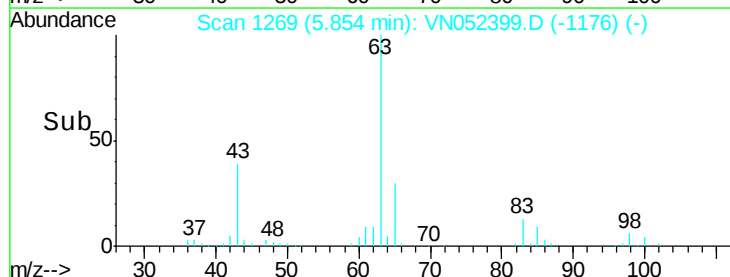
60000

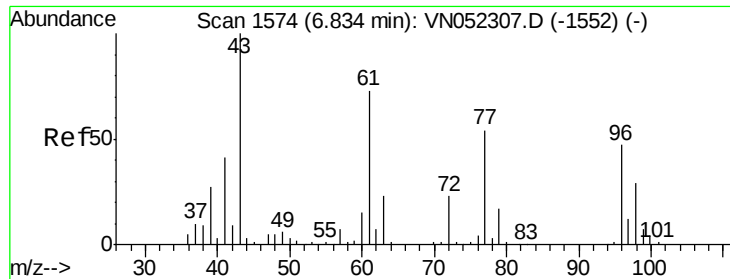
40000

20000

0

Time-->

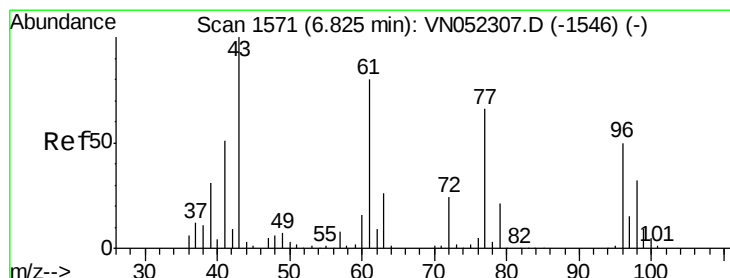
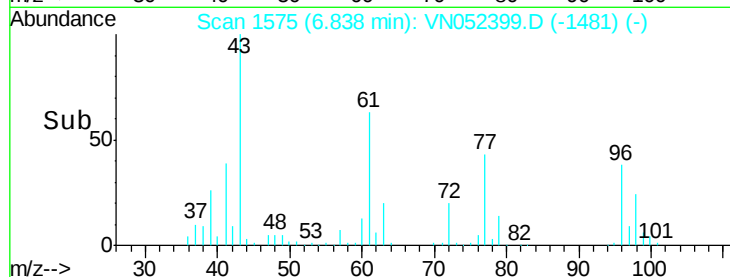
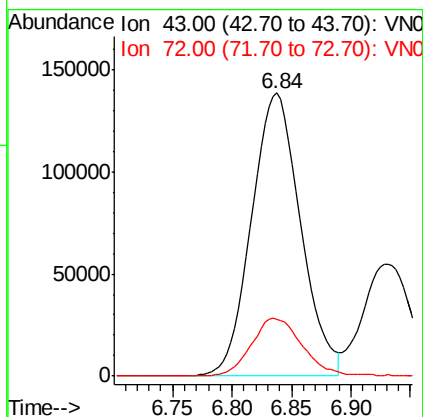
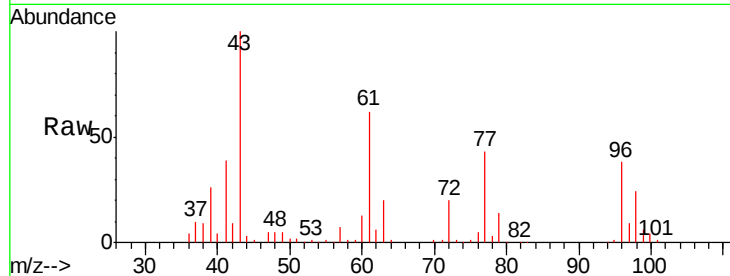




#25
2-Butanone
Concen: 273.88 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

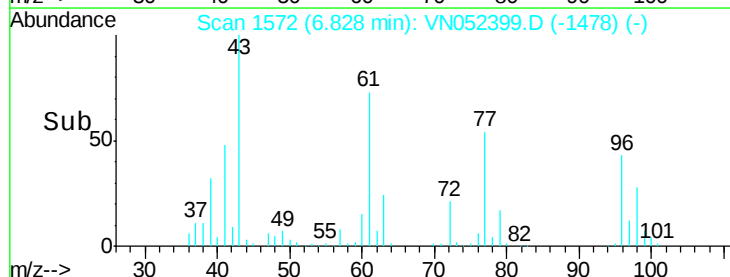
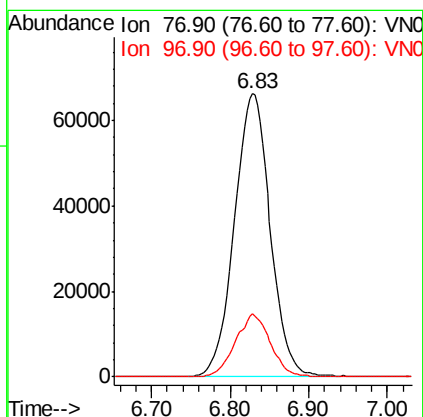
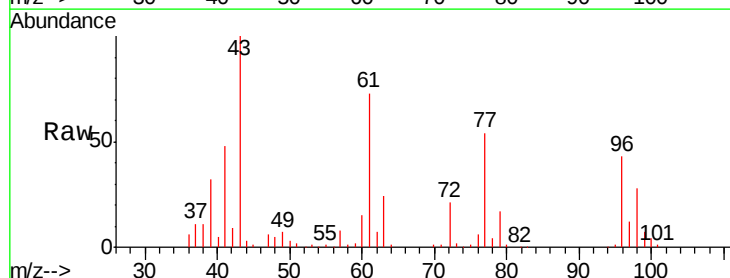
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

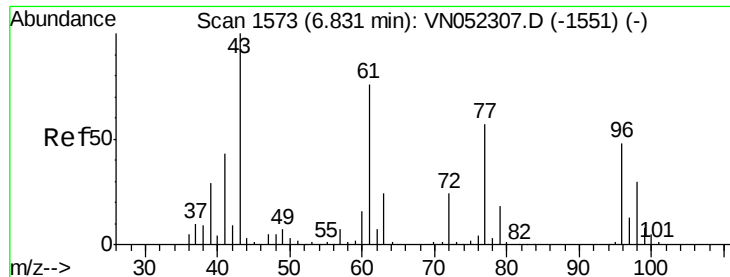
Tgt Ion: 43 Resp: 393882
Ion Ratio Lower Upper
43 100
72 20.3 18.6 27.8



#26
2,2-Dichloropropane
Concen: 47.10 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion: 77 Resp: 210443
Ion Ratio Lower Upper
77 100
97 21.7 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 47.62 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

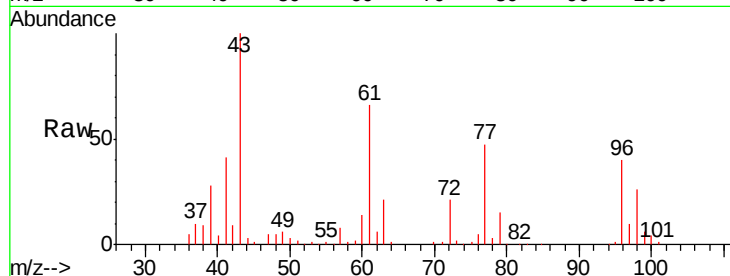
Tgt Ion: 96 Resp: 161442

Ion Ratio Lower Upper

96 100

61 169.2 0.0 316.8

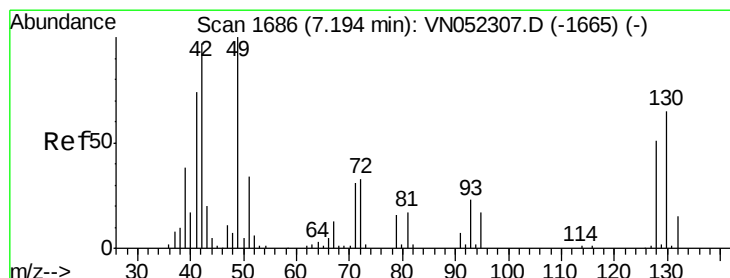
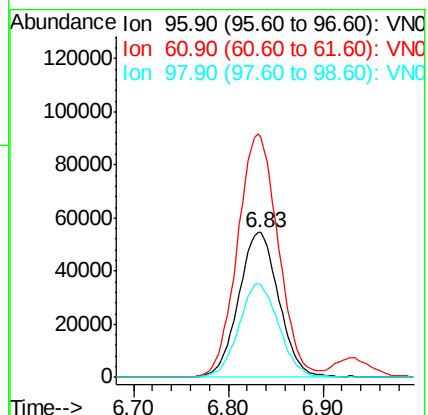
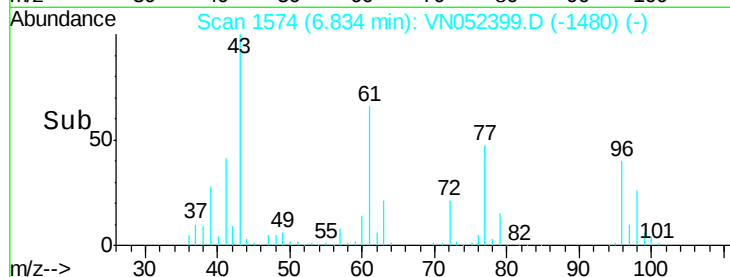
98 64.4 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN052399.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052399.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052399.D (-1480) (-)



#28

Bromochloromethane

Concen: 48.47 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

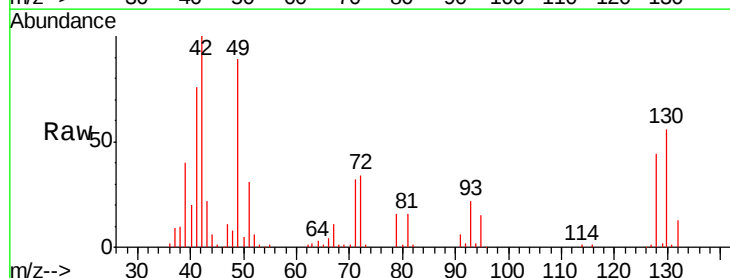
Tgt Ion: 49 Resp: 151443

Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.0

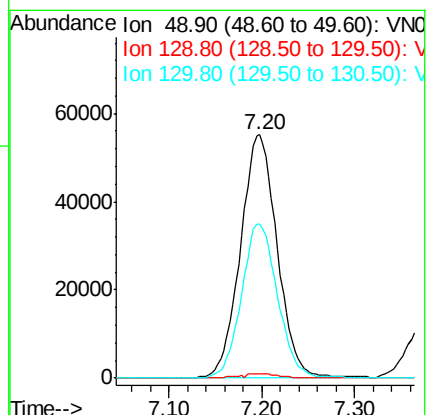
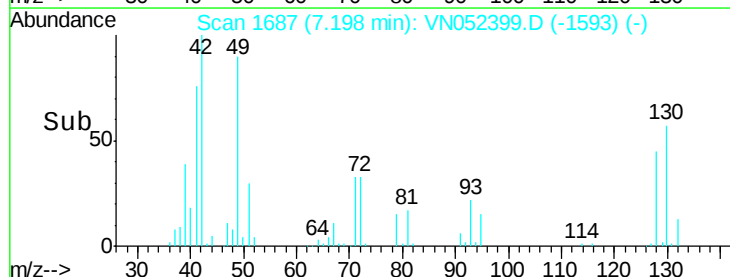
130 62.0 50.4 75.6

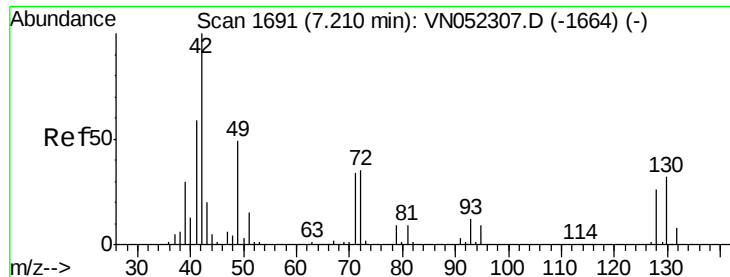


Abundance Ion 48.90 (48.60 to 49.60): VN052399.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052399.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052399.D (-1593) (-)

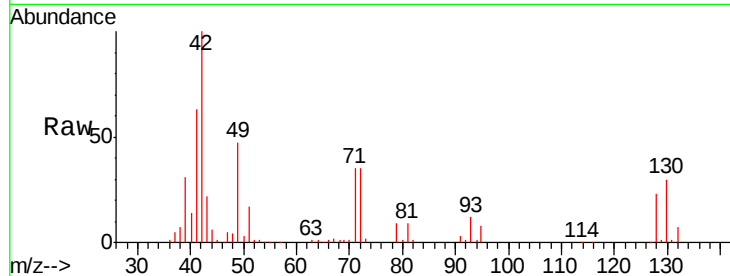




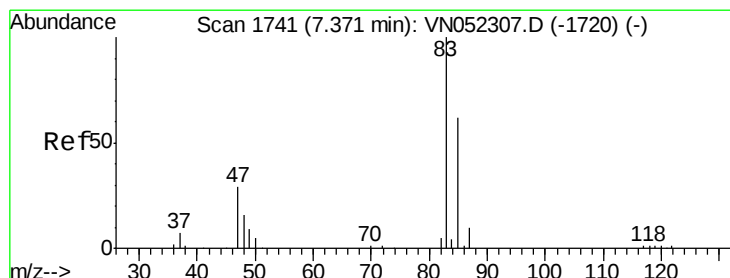
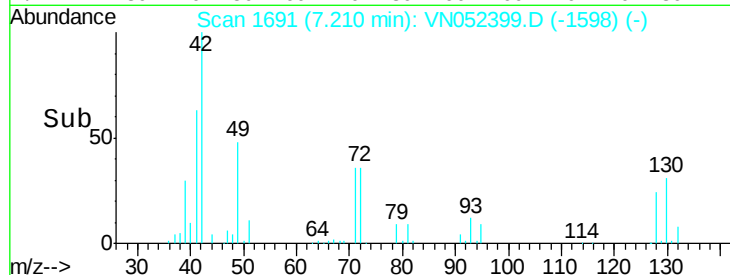
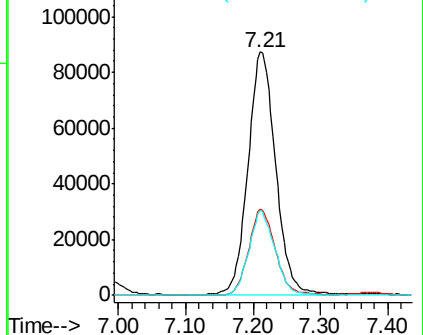
#29
Tetrahydrofuran
Concen: 266.06 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 251370
Ion Ratio Lower Upper
42 100
72 33.9 28.6 42.8
71 32.6 26.7 40.1

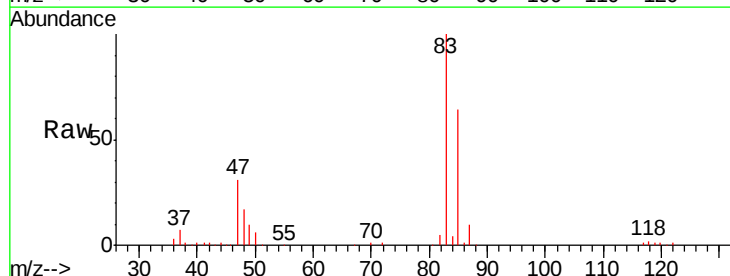


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

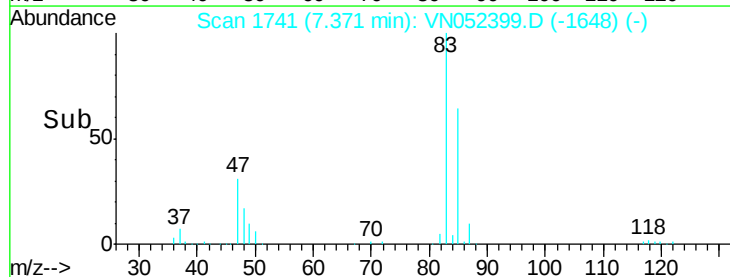
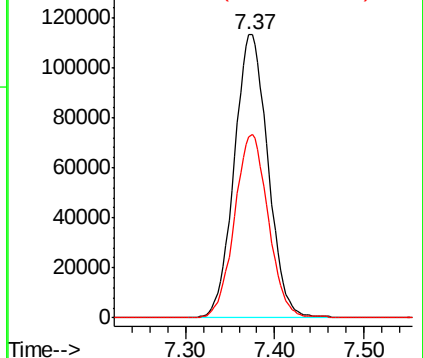


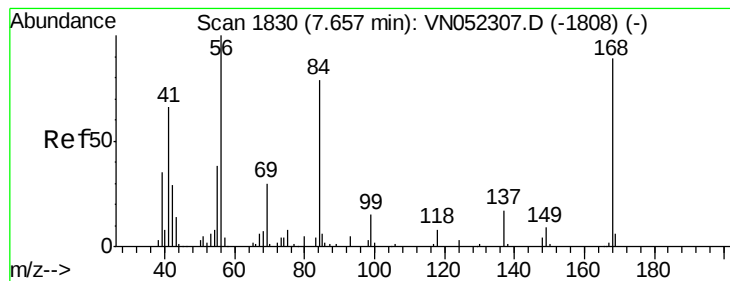
#30
Chloroform
Concen: 51.26 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion: 83 Resp: 296820
Ion Ratio Lower Upper
83 100
85 64.1 49.4 74.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 50.31 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

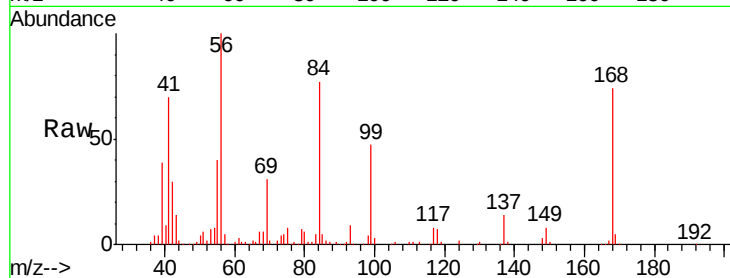
Tgt Ion: 56 Resp: 283764

Ion Ratio Lower Upper

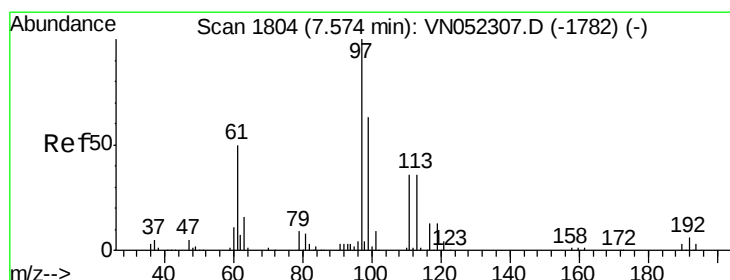
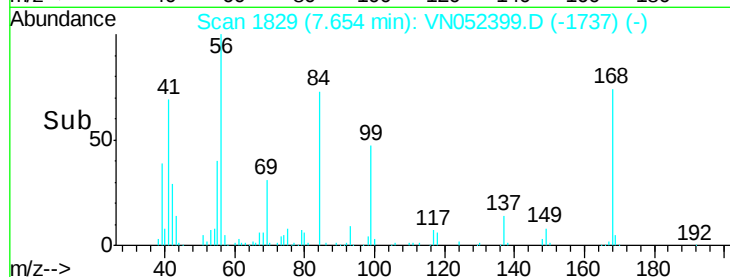
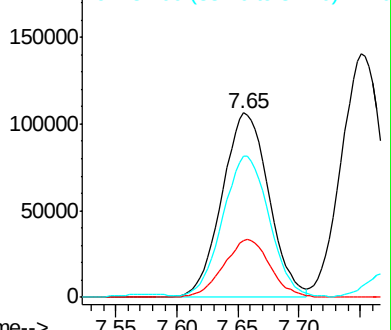
56 100

69 31.1 23.8 35.8

84 75.0 63.0 94.6



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.73 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

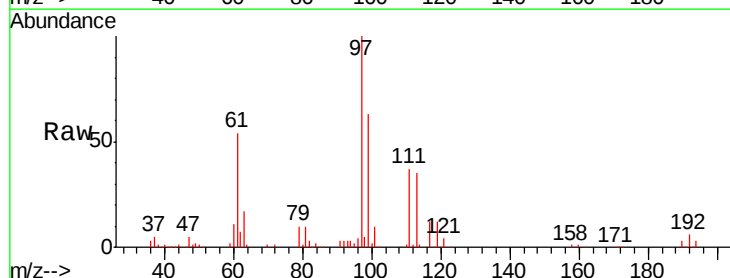
Tgt Ion: 97 Resp: 245336

Ion Ratio Lower Upper

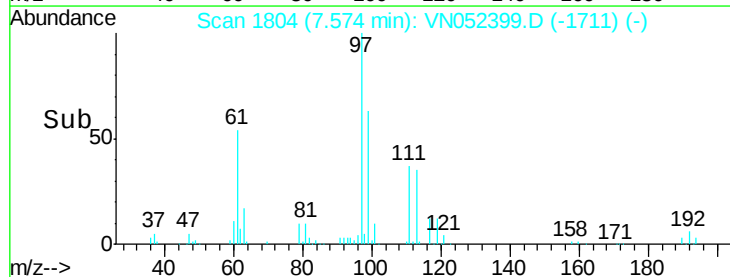
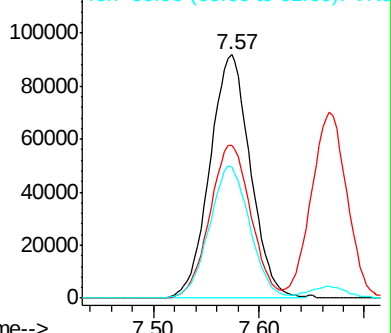
97 100

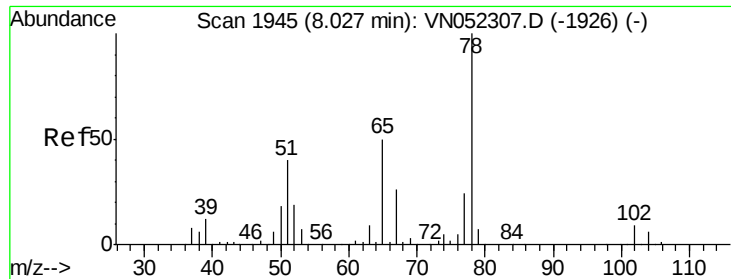
99 63.7 50.2 75.2

61 54.3 40.2 60.4



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

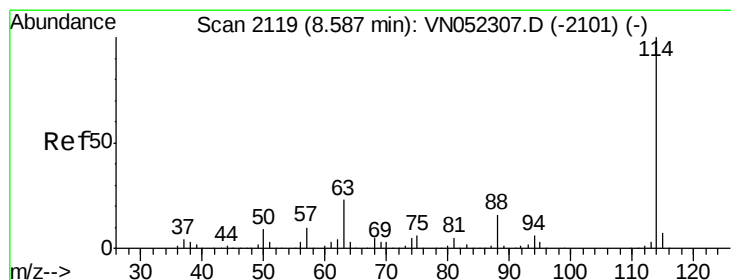
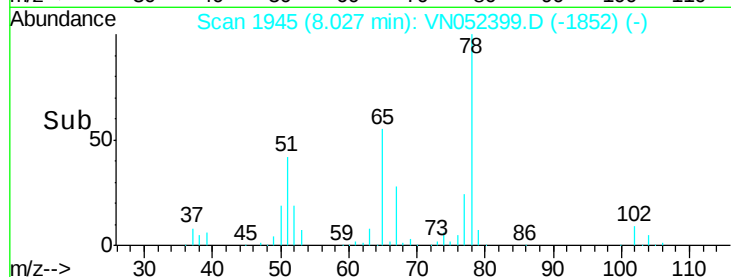
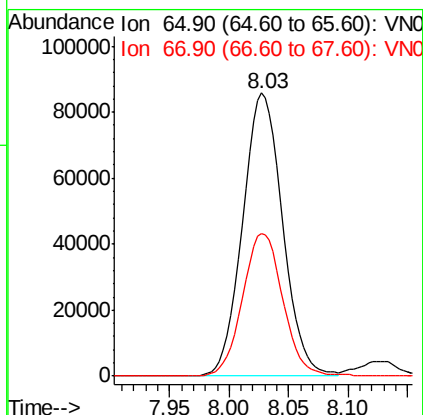
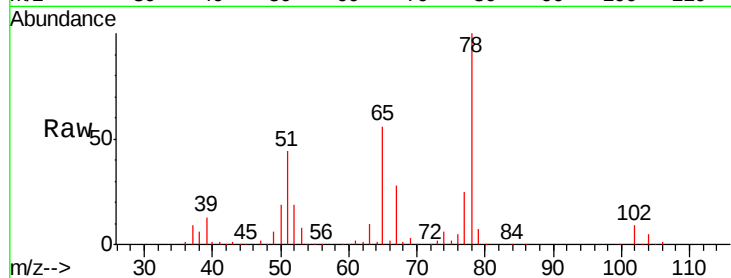




#33
 1,2-Dichloroethane-d4
 Concen: 49.73 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

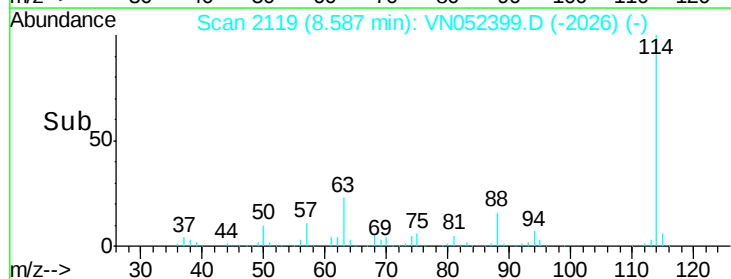
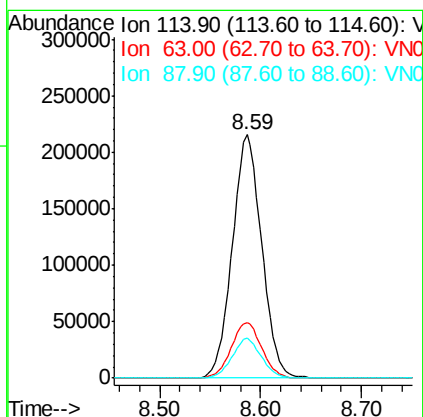
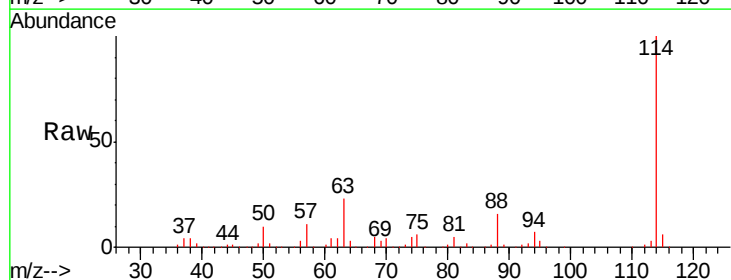
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

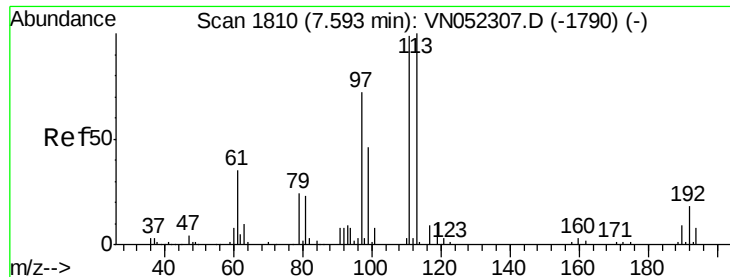
Tgt Ion: 65 Resp: 200128
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion: 114 Resp: 436081
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.4
 88 16.4 0.0 31.2

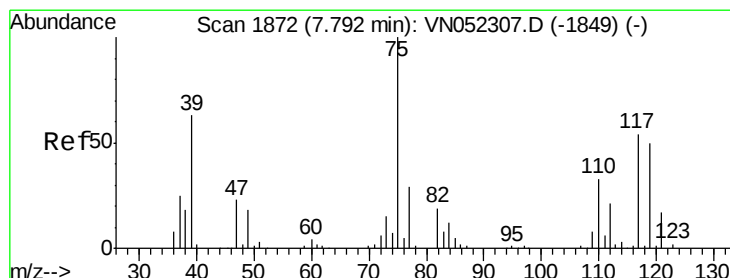
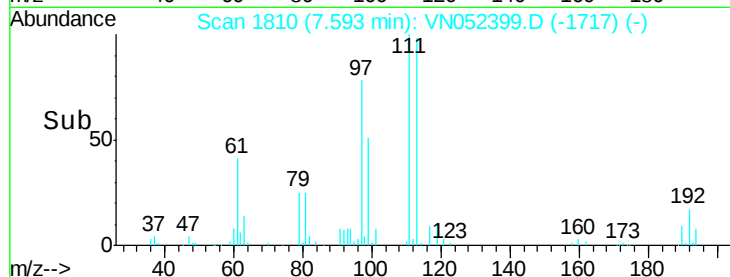
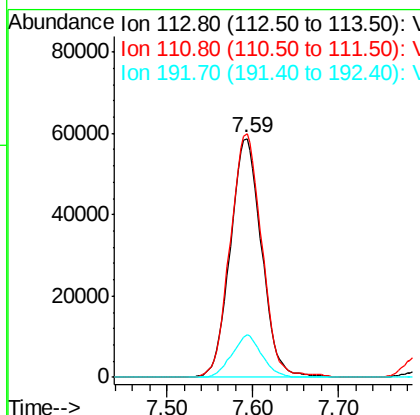
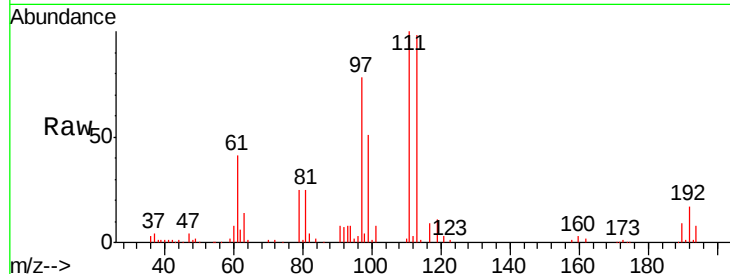




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

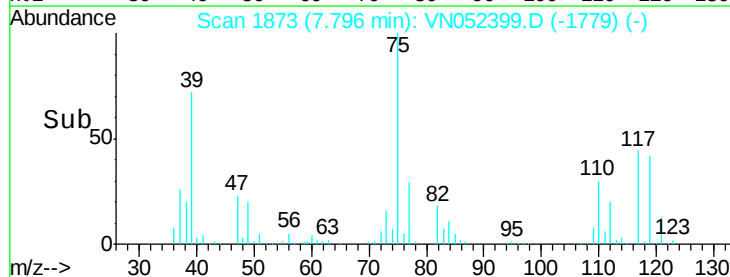
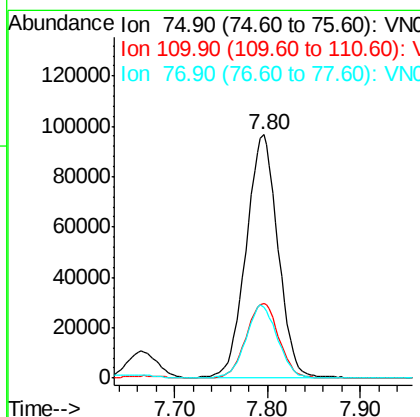
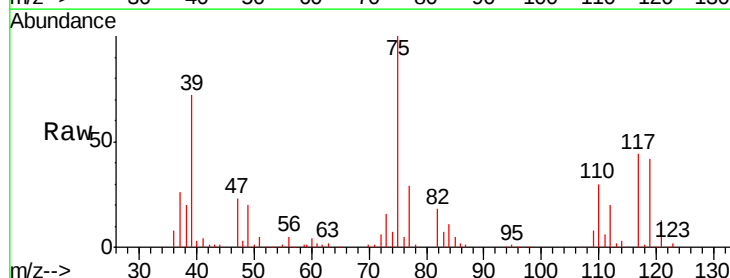
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

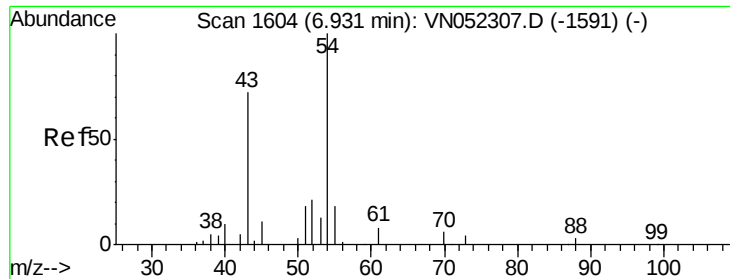
Tgt Ion: 113 Resp: 147942
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.0 121.6
 192 17.0 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 52.43 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion: 75 Resp: 229173
 Ion Ratio Lower Upper
 75 100
 110 31.5 16.5 49.5
 77 30.1 24.2 36.2

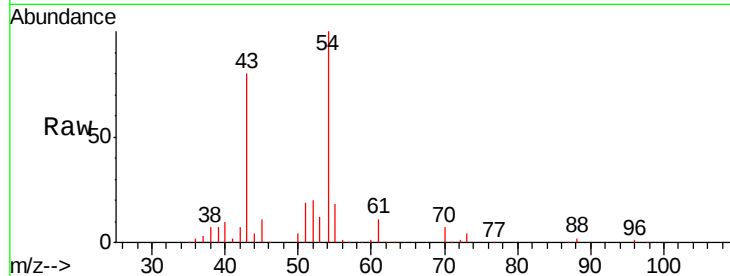




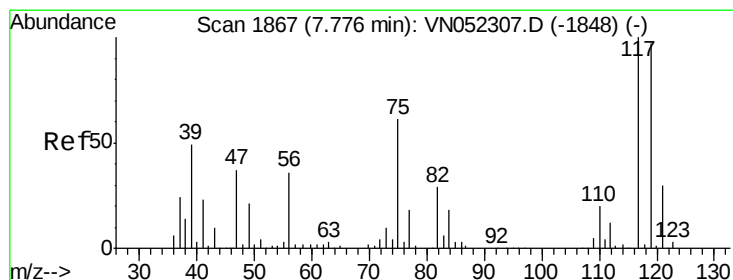
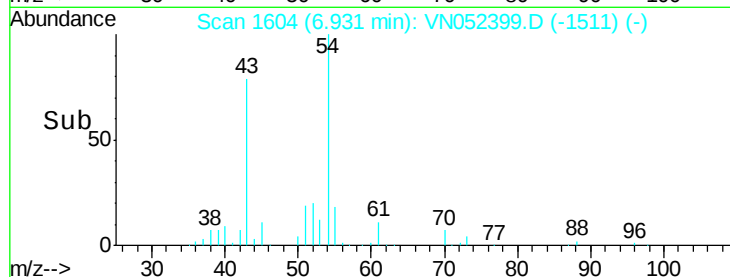
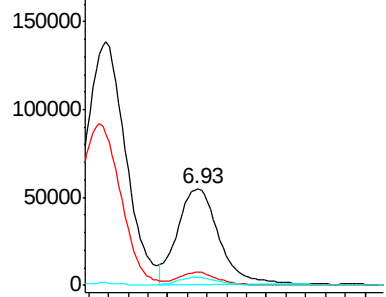
#37
Ethyl Acetate
Concen: 50.09 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 158880
Ion Ratio Lower Upper
43 100
61 12.1 10.3 15.5
70 7.5 5.6 8.4

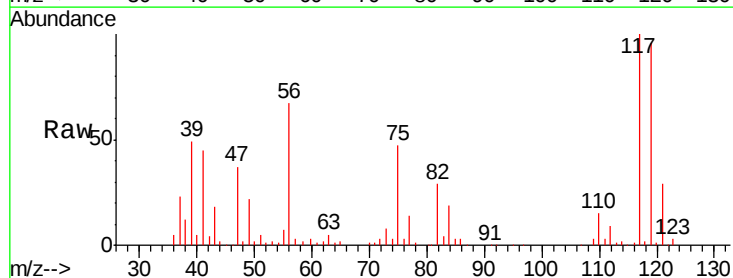


Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1591) (-)
Ion 60.90 (60.60 to 61.60): VN052307.D (-1591) (-)
Ion 70.00 (69.70 to 70.70): VN052307.D (-1591) (-)

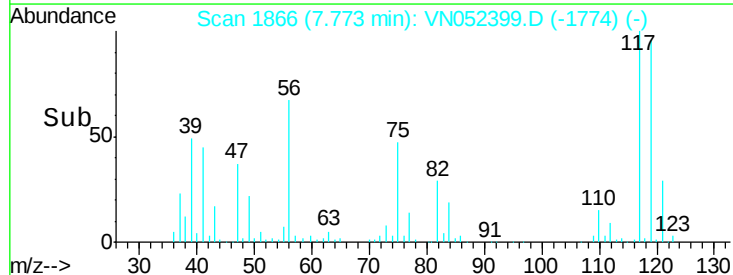
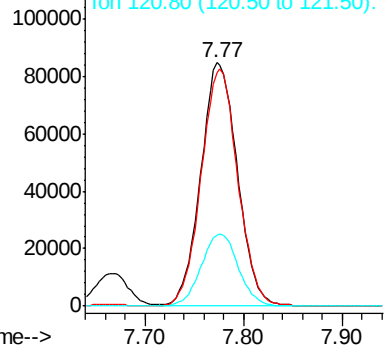


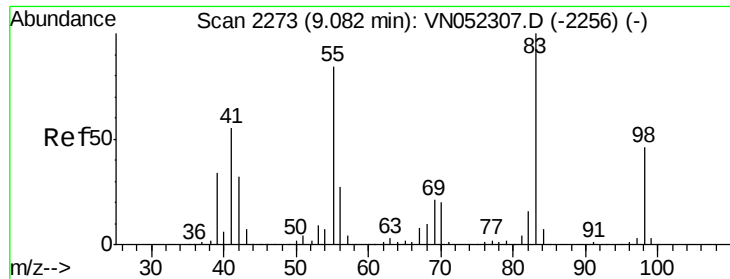
#38
Carbon Tetrachloride
Concen: 54.16 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion: 117 Resp: 217466
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.0
121 29.2 24.0 36.0



Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-1848) (-)
Ion 118.80 (118.50 to 119.50): VN052307.D (-1848) (-)
Ion 120.80 (120.50 to 121.50): VN052307.D (-1848) (-)

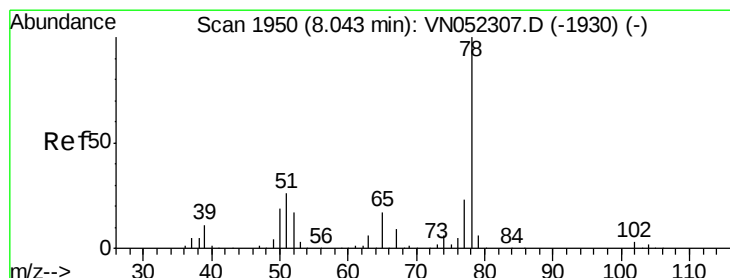
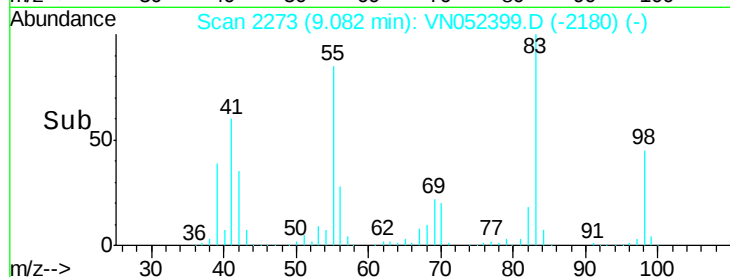
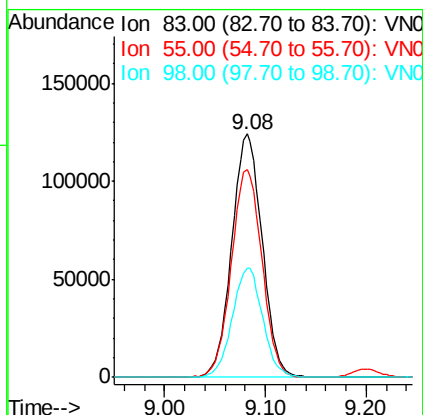
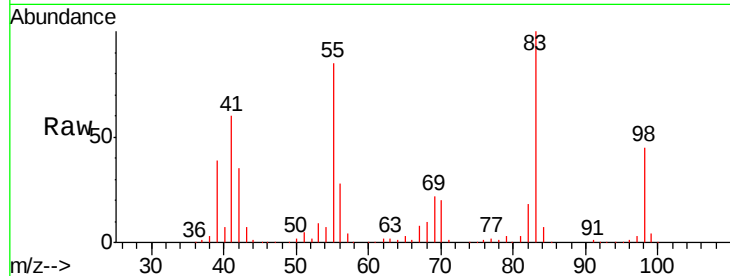




#39
Methylcyclohexane
Concen: 52.05 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

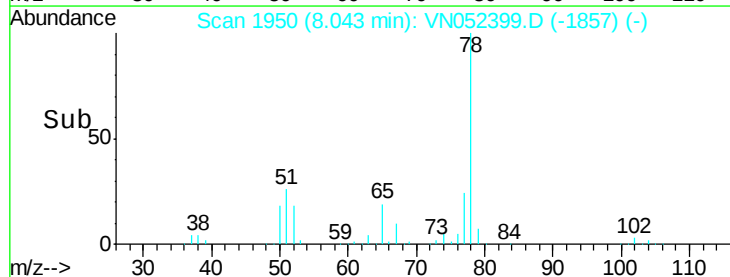
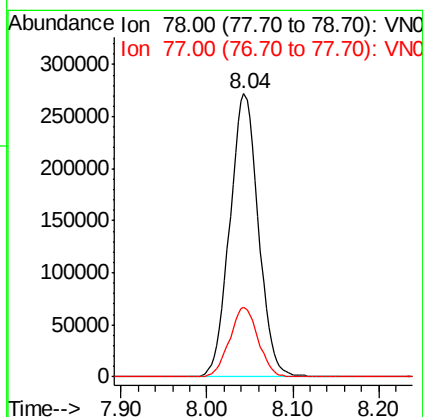
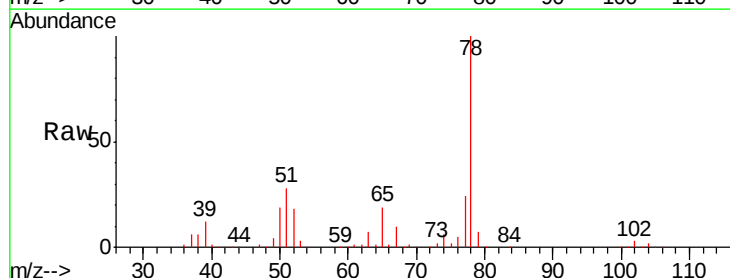
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

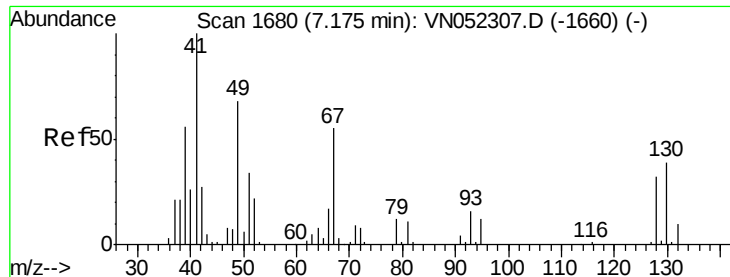
Tgt Ion: 83 Resp: 259699
Ion Ratio Lower Upper
83 100
55 85.2 66.8 100.2
98 44.6 36.4 54.6



#40
Benzene
Concen: 50.28 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion: 78 Resp: 627860
Ion Ratio Lower Upper
78 100
77 24.4 18.7 28.1





#41

Methacrylonitrile

Concen: 49.56 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 87243

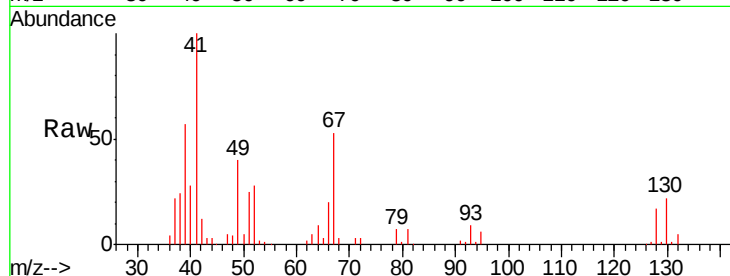
Ion Ratio Lower Upper

41 100

39 46.3 0.0 0.0#

67 71.3 0.0 0.0#

52 35.7 0.0 0.0#

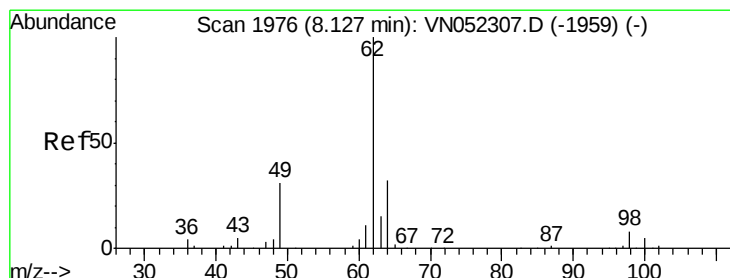
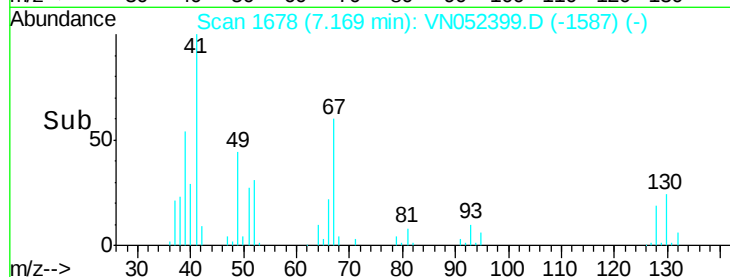
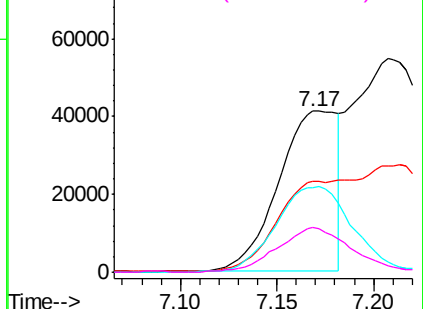


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 54.28 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052399.D

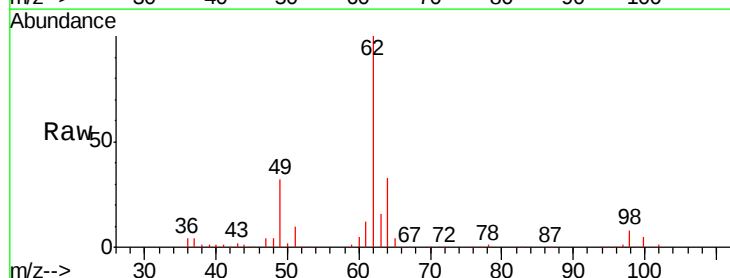
Acq: 20 Nov 2018 11:17

Tgt Ion: 62 Resp: 241708

Ion Ratio Lower Upper

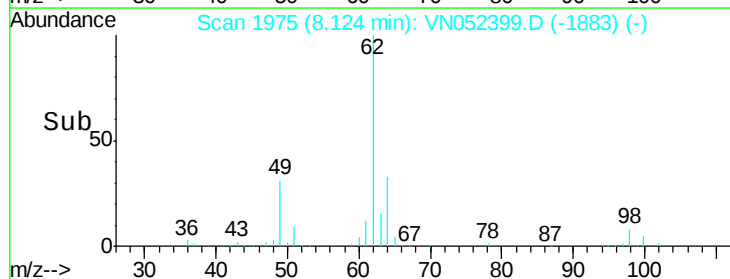
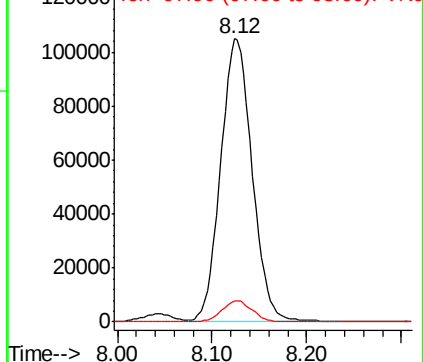
62 100

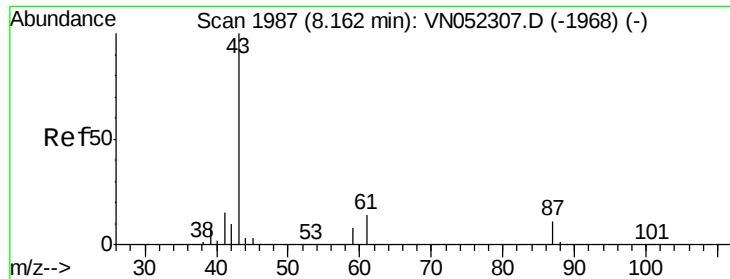
98 7.3 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

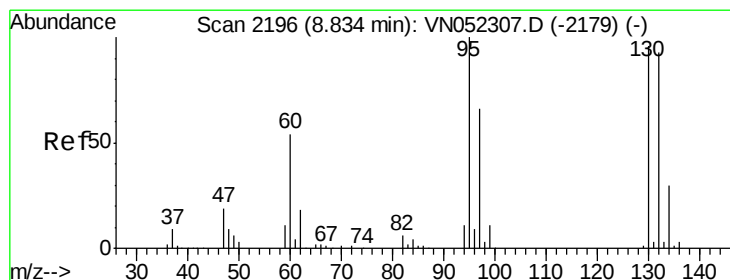
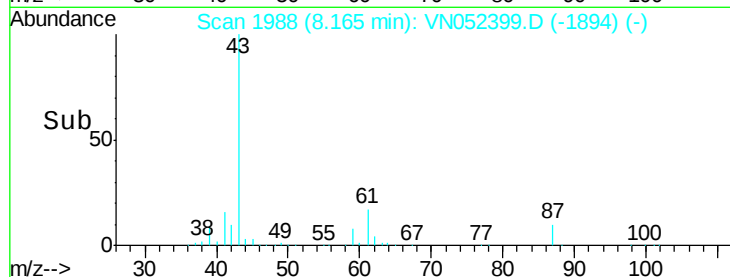
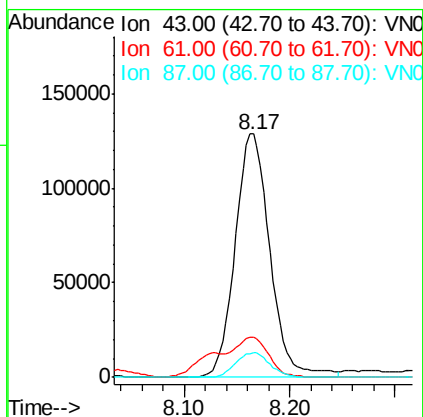
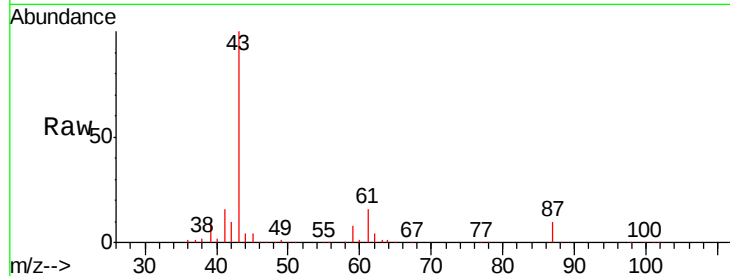




#43
Isopropyl Acetate
Concen: 47.99 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

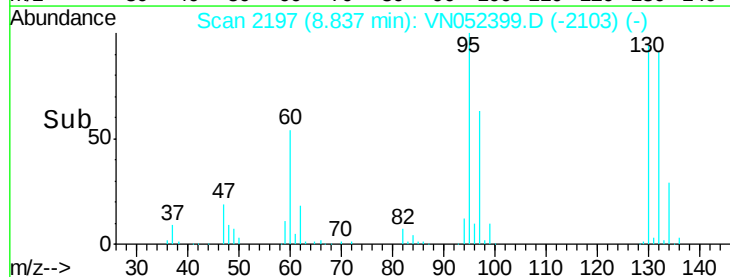
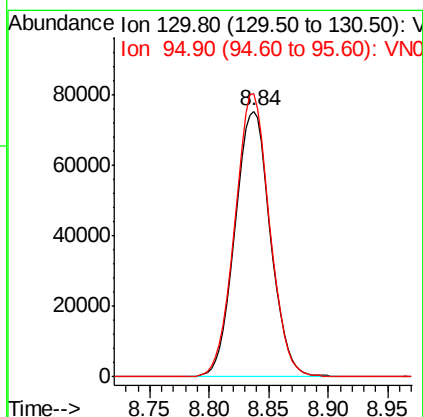
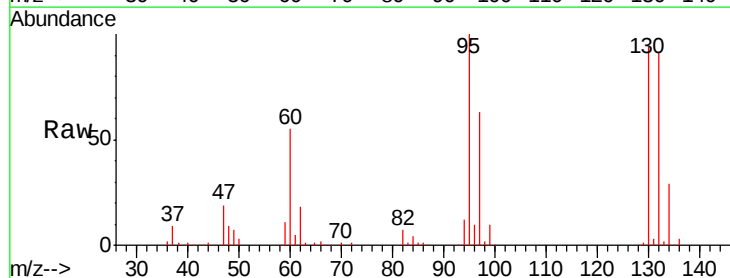
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

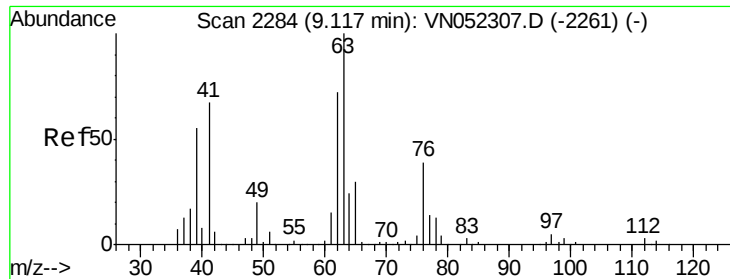
Tgt Ion: 43 Resp: 293769
Ion Ratio Lower Upper
43 100
61 15.4 12.0 18.0
87 10.1 8.3 12.5



#44
Trichloroethene
Concen: 50.81 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion: 130 Resp: 156266
Ion Ratio Lower Upper
130 100
95 106.4 0.0 208.4

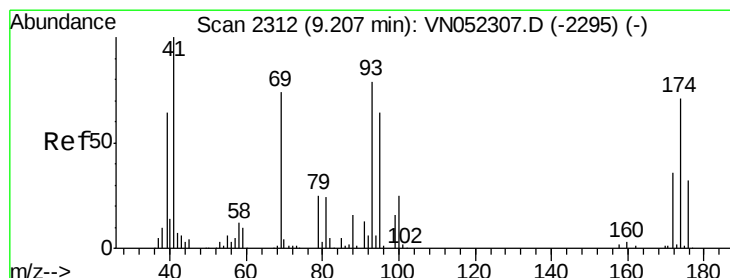
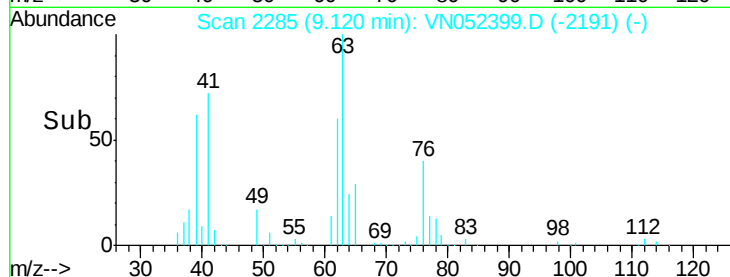
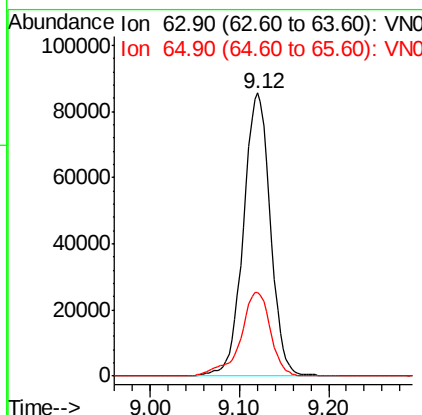
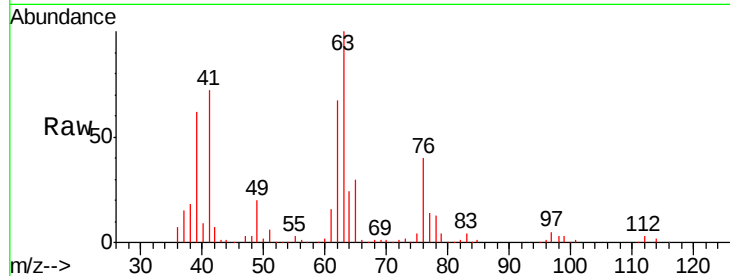




#45
 1,2-Dichloropropane
 Concen: 50.90 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

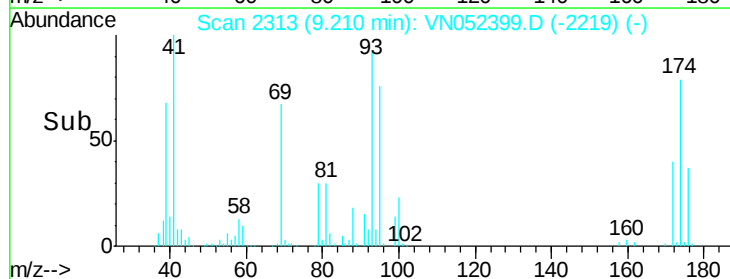
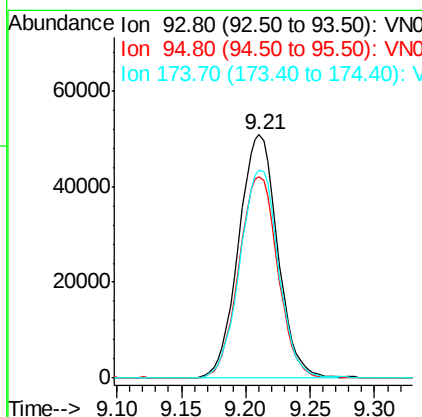
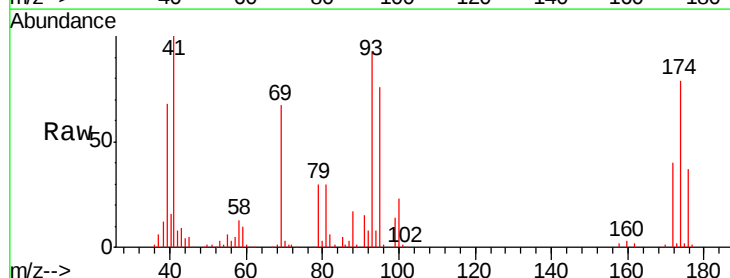
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

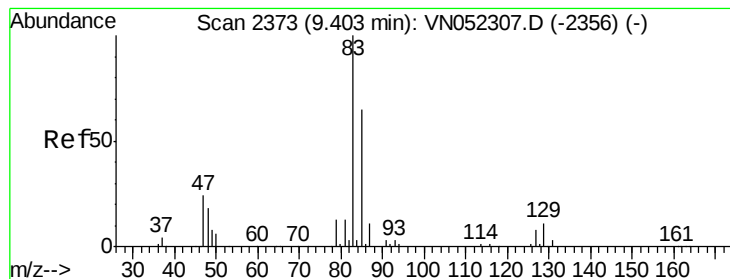
Tgt Ion: 63 Resp: 180366
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.2 36.4



#46
 Dibromomethane
 Concen: 52.22 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion: 93 Resp: 107134
 Ion Ratio Lower Upper
 93 100
 95 82.8 64.2 96.2
 174 84.6 70.9 106.3





#47

Bromodichloromethane

Concen: 55.06 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

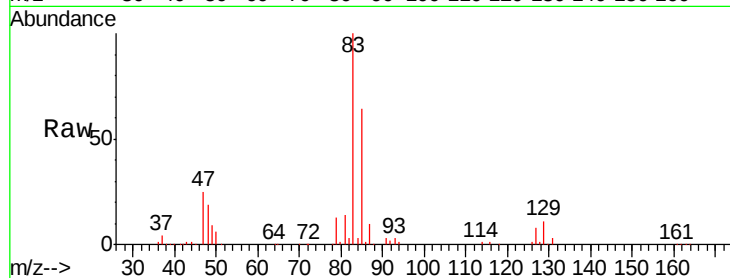
Tgt Ion: 83 Resp: 231773

Ion Ratio Lower Upper

83 100

85 64.2 52.2 78.4

127 8.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0

9.40

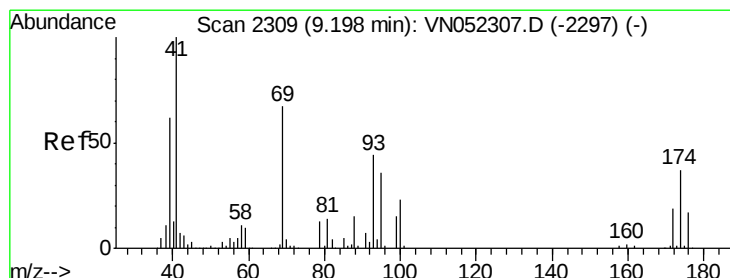
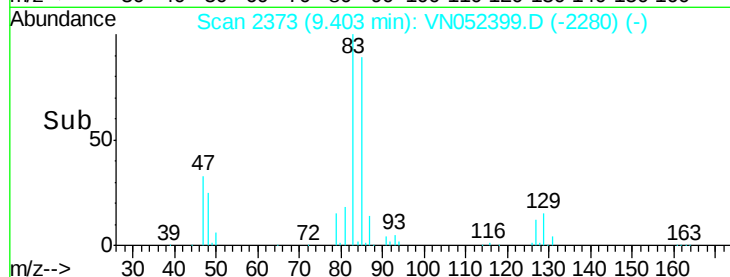
150000

100000

50000

0

Time--> 9.30 9.35 9.40 9.45 9.50



#48

Methyl methacrylate

Concen: 47.63 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

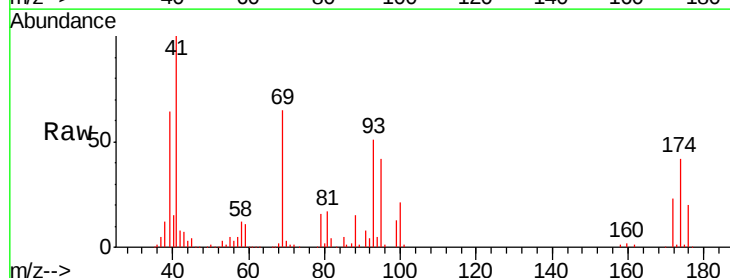
Tgt Ion: 41 Resp: 147936

Ion Ratio Lower Upper

41 100

69 69.9 57.1 85.7

39 68.3 52.5 78.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.20

100000

80000

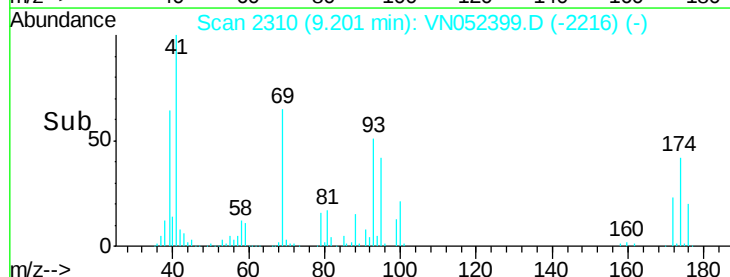
60000

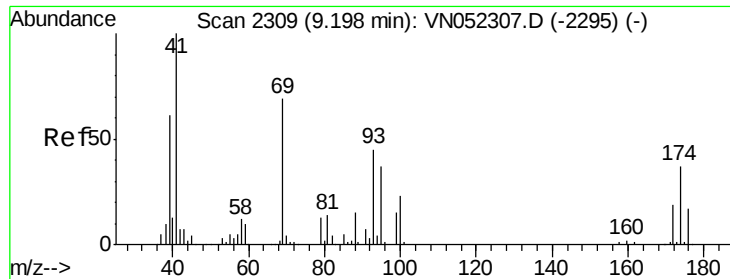
40000

20000

0

Time--> 9.15 9.20 9.25





#49

1,4-Dioxane

Concen: 1085.61 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

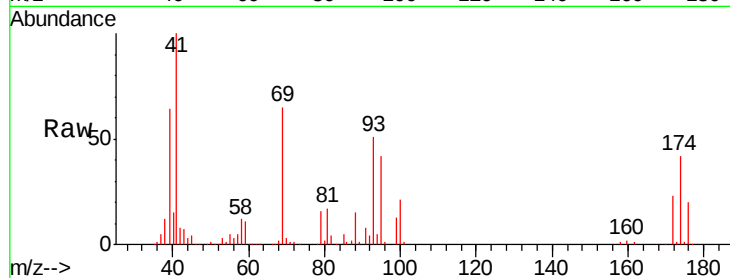
Tgt Ion: 88 Resp: 25884

Ion Ratio Lower Upper

88 100

43 48.1 33.3 49.9

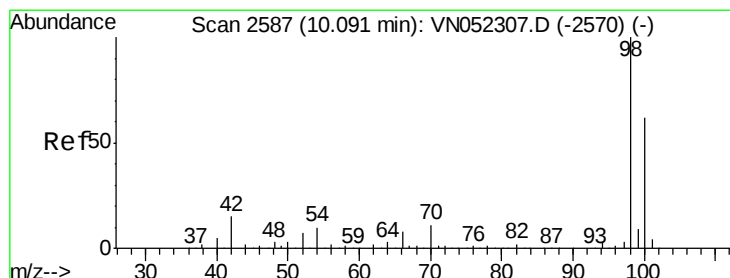
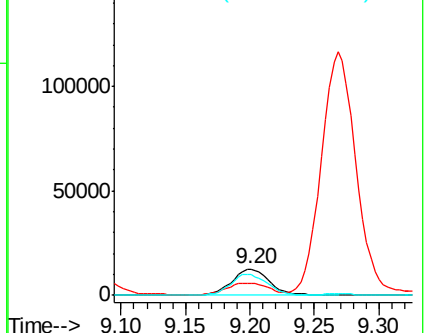
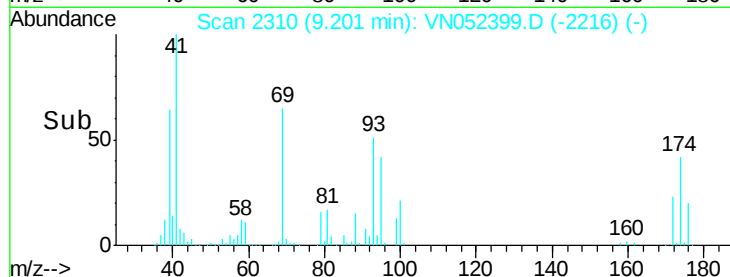
58 77.7 59.2 88.8



Abundance Ion 88.00 (87.70 to 88.70): VN052307.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN052307.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2295) (-)



#50

Toluene-d8

Concen: 1085.61 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052399.D

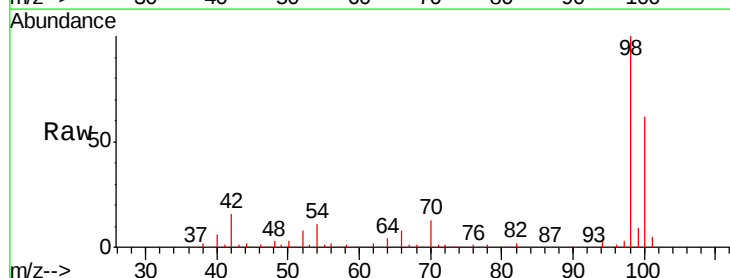
Acq: 20 Nov 2018 11:17

Tgt Ion: 98 Resp: 560224

Ion Ratio Lower Upper

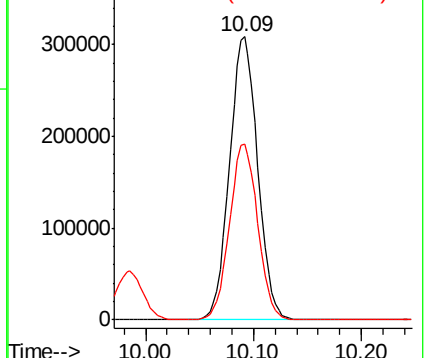
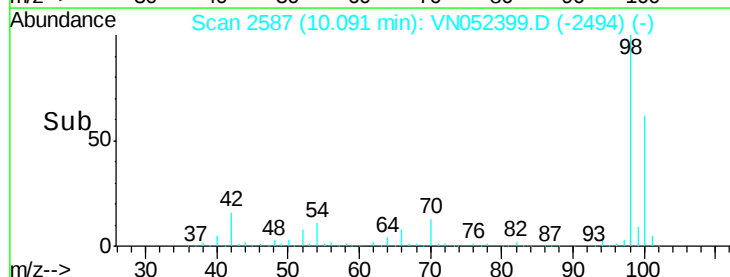
98 100

100 62.3 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 274.95 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

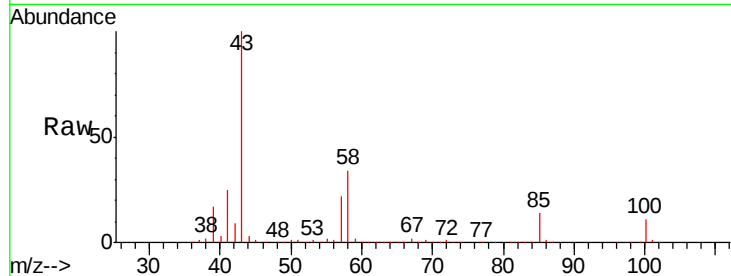
VSTDCCC050

Tgt Ion: 43 Resp: 847159

Ion Ratio Lower Upper

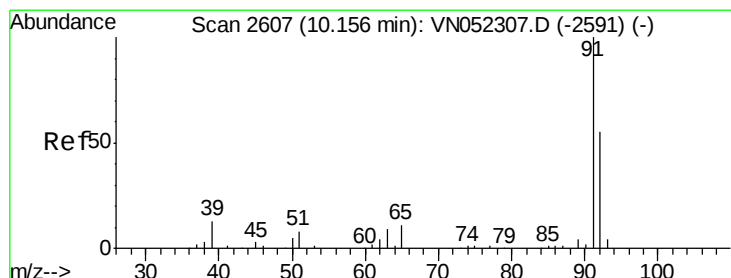
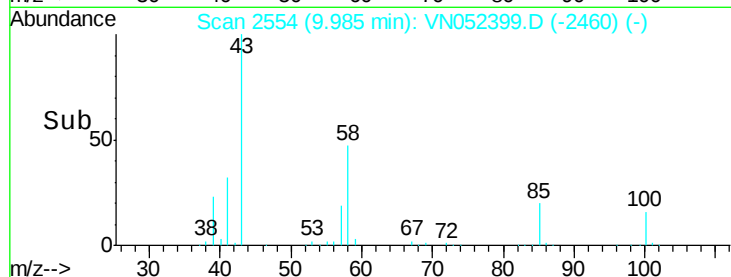
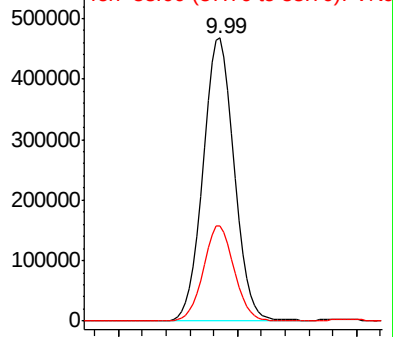
43 100

58 33.5 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.51 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052399.D

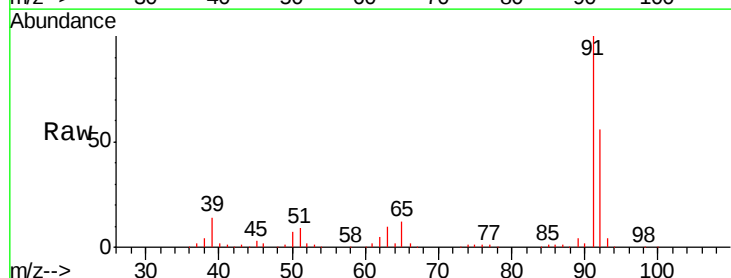
Acq: 20 Nov 2018 11:17

Tgt Ion: 92 Resp: 384760

Ion Ratio Lower Upper

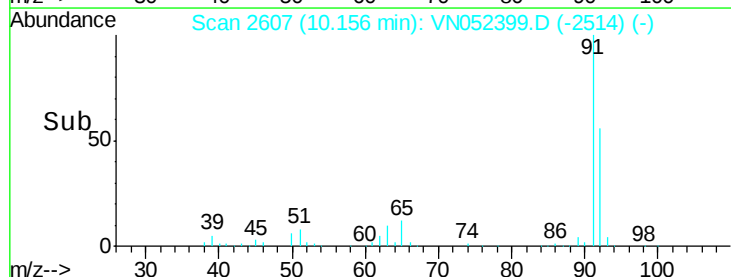
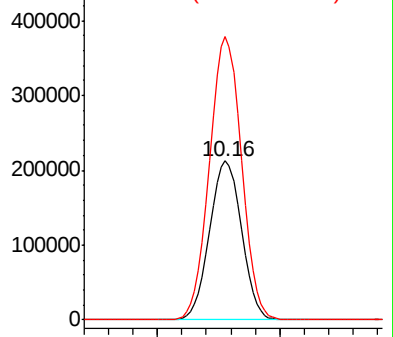
92 100

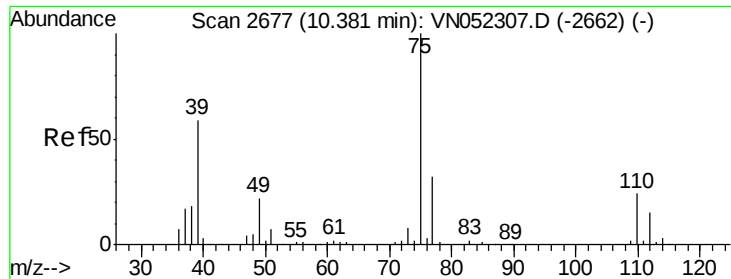
91 178.2 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.57 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

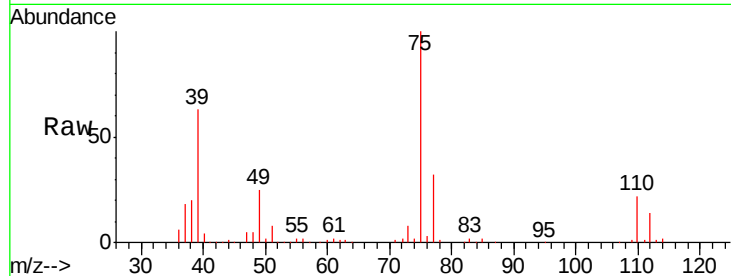
VSTDCCC050

Tgt Ion: 75 Resp: 218964

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

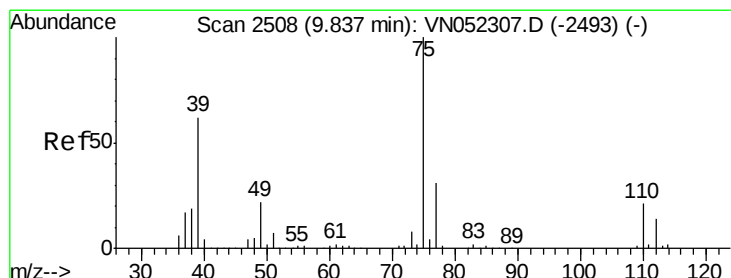
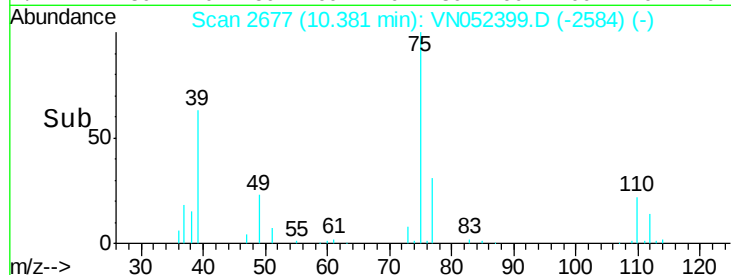
10.38

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.39 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

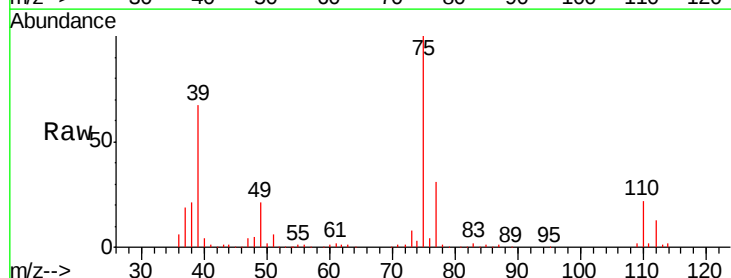
Tgt Ion: 75 Resp: 253568

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

39 66.3 49.9 74.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

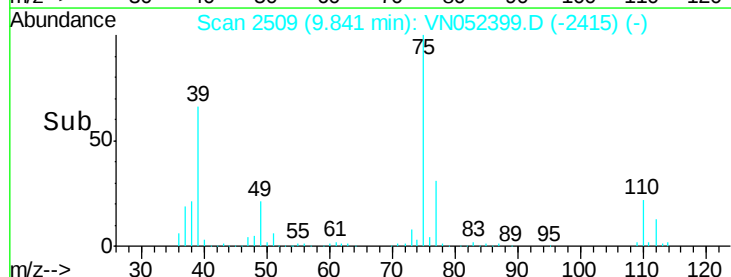
150000

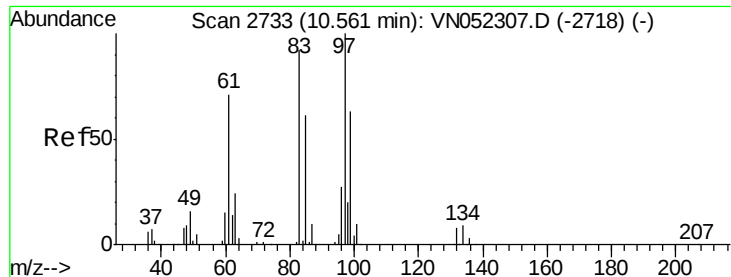
100000

50000

0

Time-->

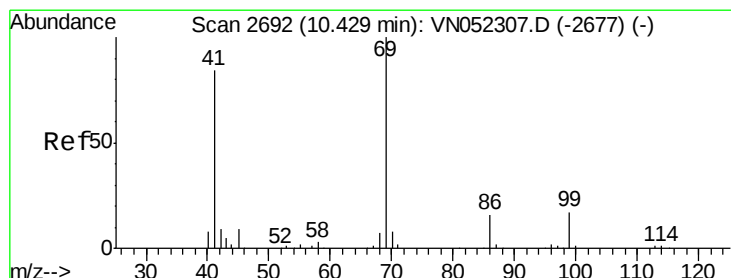
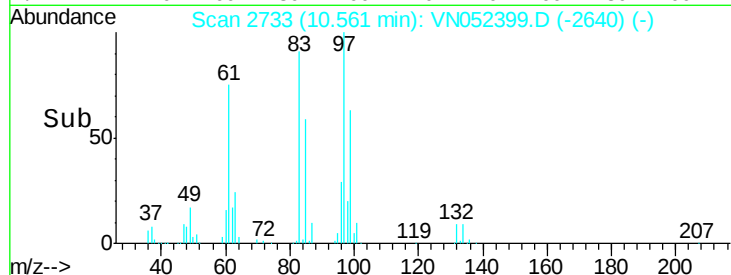
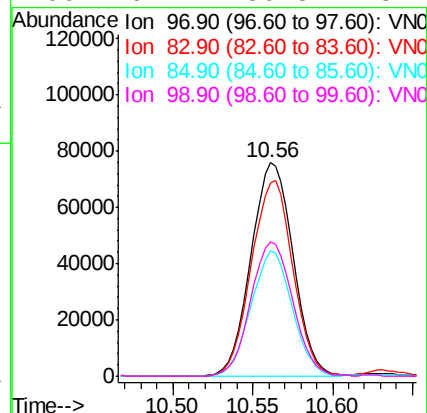
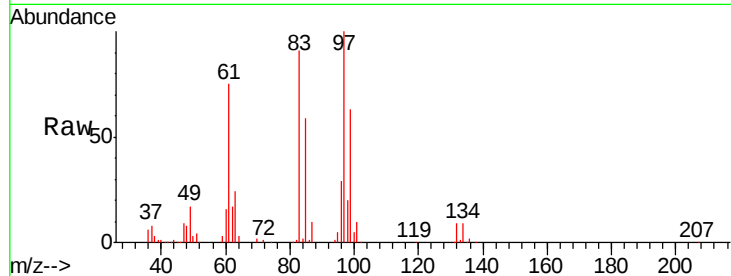




#55
 1,1,2-Trichloroethane
 Concen: 50.62 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

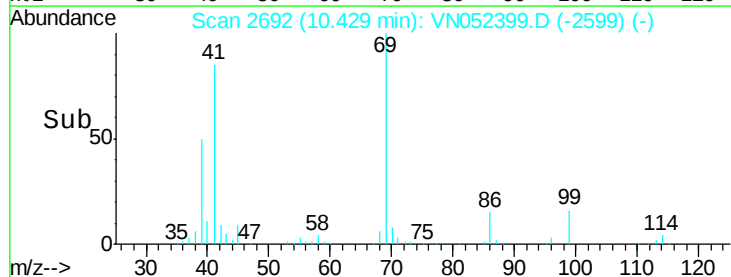
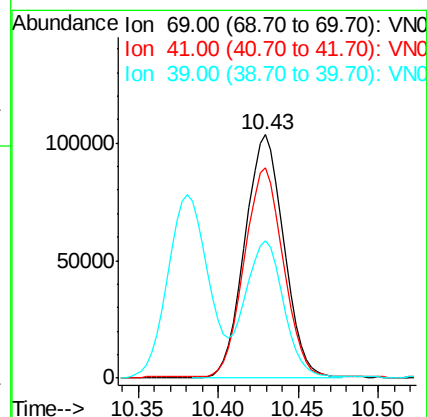
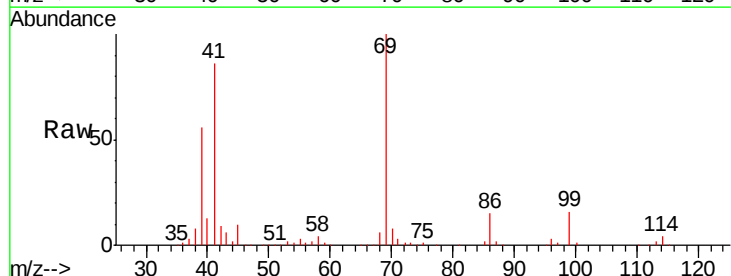
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

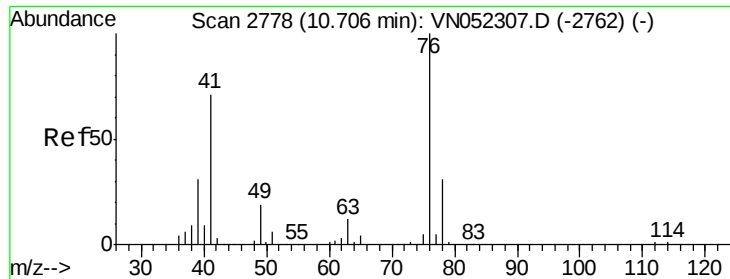
Tgt Ion: 97 Resp: 137081
 Ion Ratio Lower Upper
 97 100
 83 90.7 73.8 110.6
 85 58.6 49.0 73.4
 99 62.7 50.5 75.7



#56
 Ethyl methacrylate
 Concen: 48.78 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion: 69 Resp: 173712
 Ion Ratio Lower Upper
 69 100
 41 85.8 64.8 97.2
 39 55.1 41.0 61.6





#57

1,3-Dichloropropane

Concen: 52.27 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

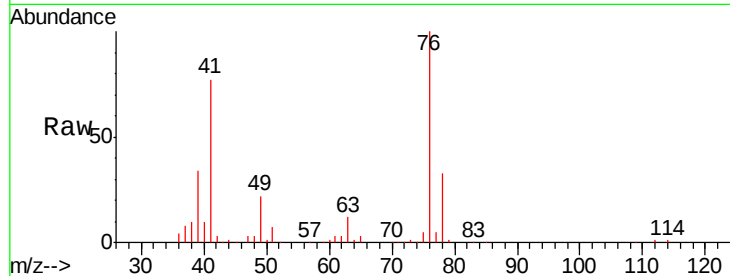
VSTDCCC050

Tgt Ion: 76 Resp: 250698

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

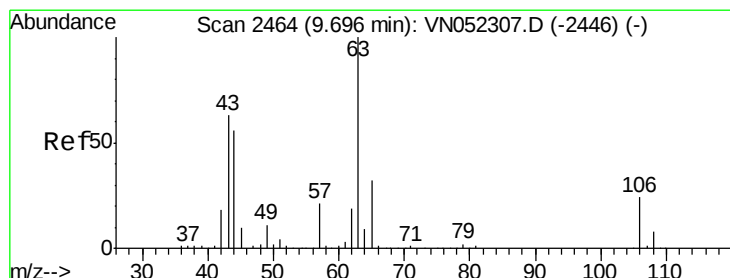
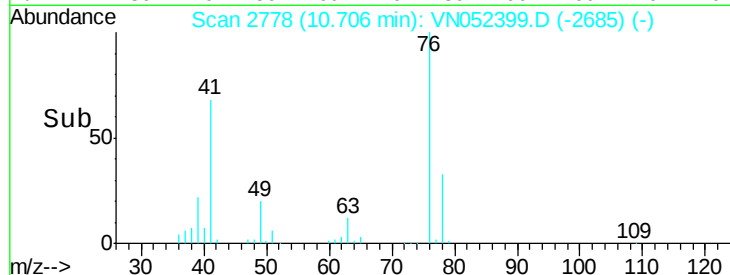
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 268.78 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052399.D

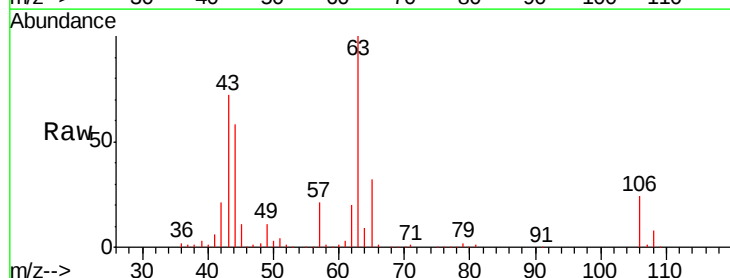
Acq: 20 Nov 2018 11:17

Tgt Ion: 63 Resp: 544935

Ion Ratio Lower Upper

63 100

106 23.4 19.3 28.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

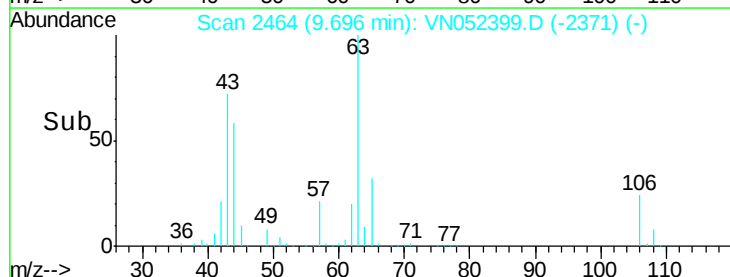
300000

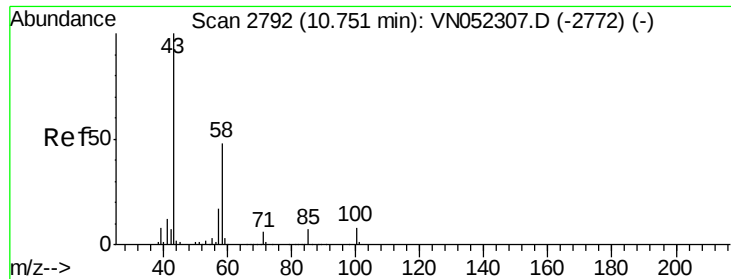
200000

100000

0

Time-->

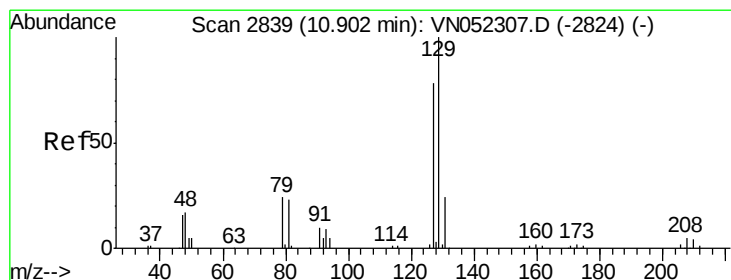
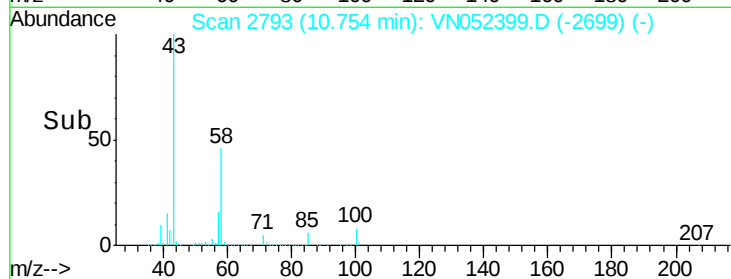
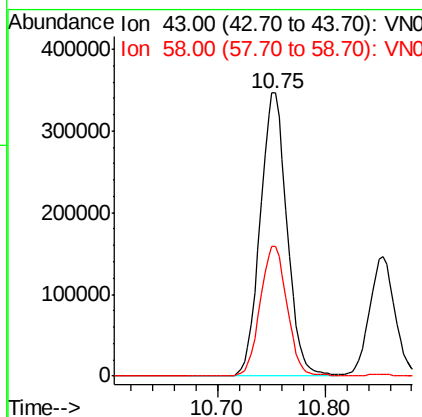
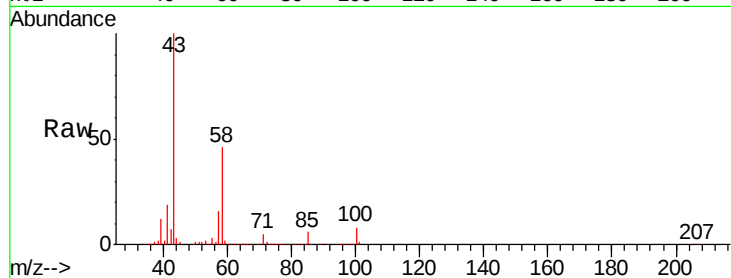




#59
2-Hexanone
Concen: 281.56 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

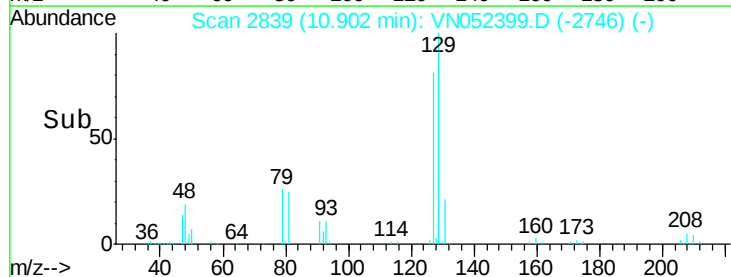
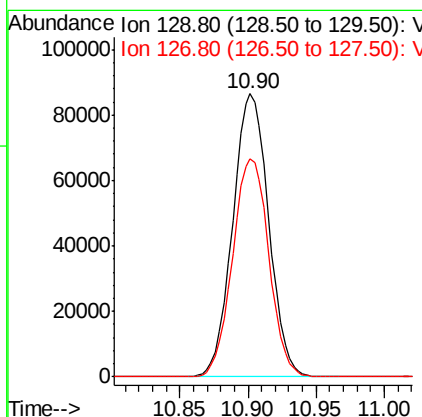
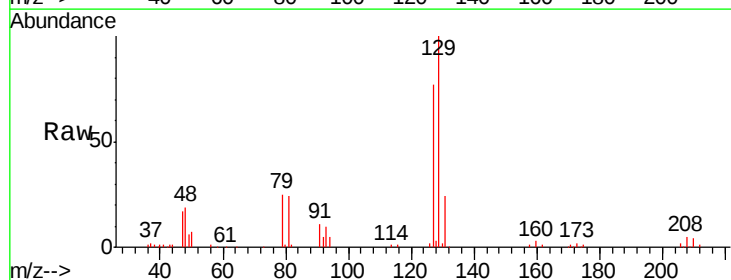
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

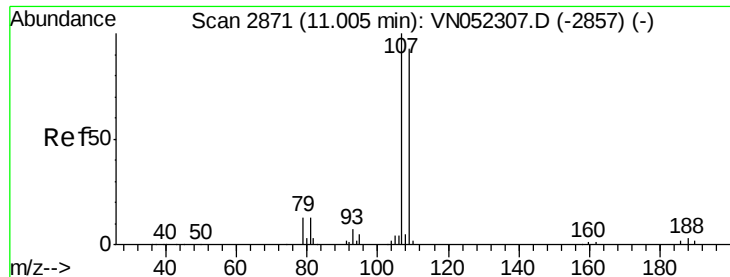
Tgt Ion: 43 Resp: 596710
Ion Ratio Lower Upper
43 100
58 46.1 23.5 70.6



#60
Dibromochloromethane
Concen: 53.98 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion: 129 Resp: 158152
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5

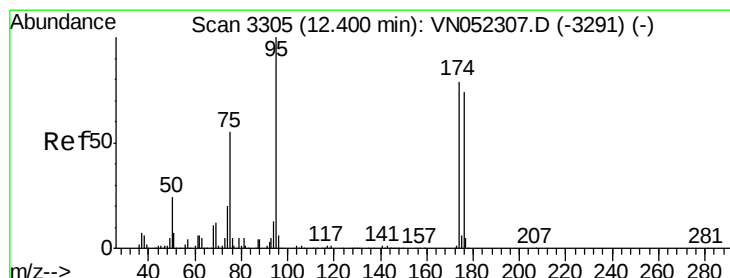
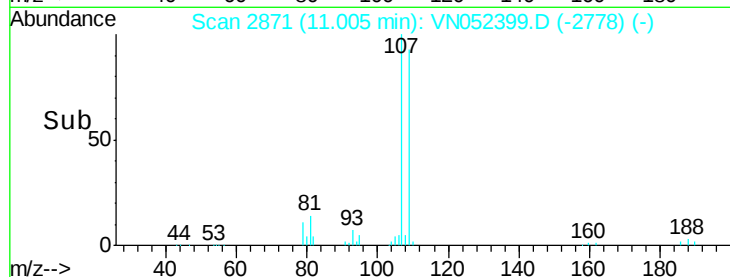
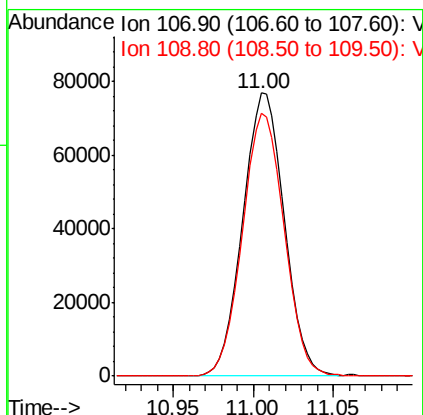
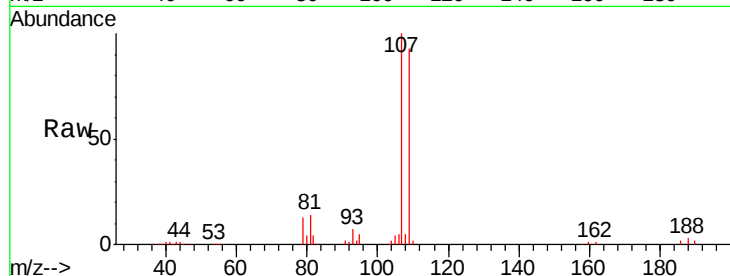




#61
 1,2-Dibromoethane
 Concen: 50.47 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

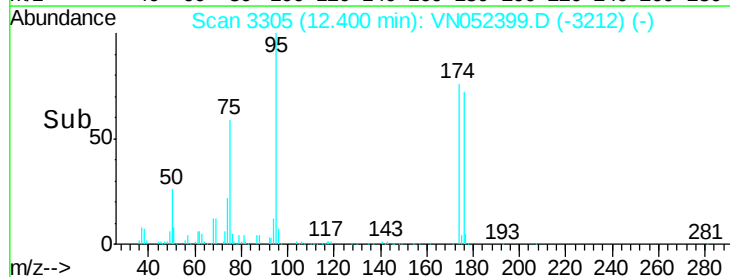
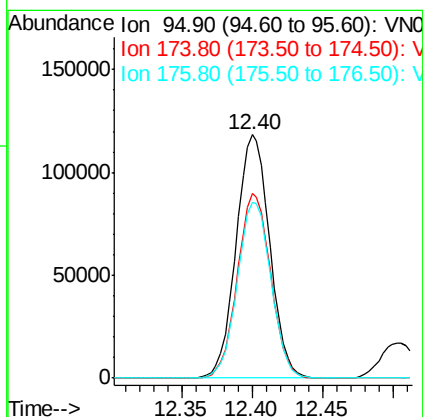
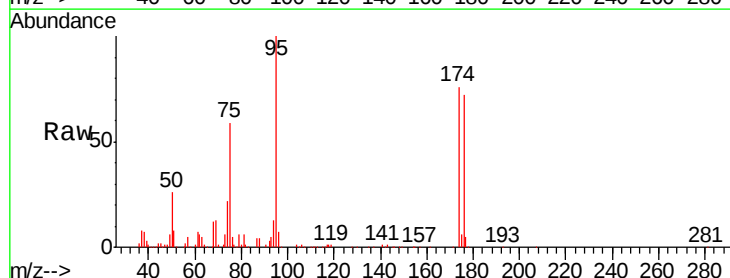
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

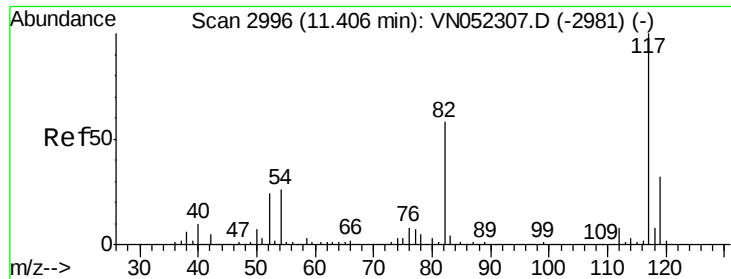
Tgt Ion: 107 Resp: 136125
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 50.47 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion: 95 Resp: 197741
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 156.0
 176 72.5 0.0 148.4

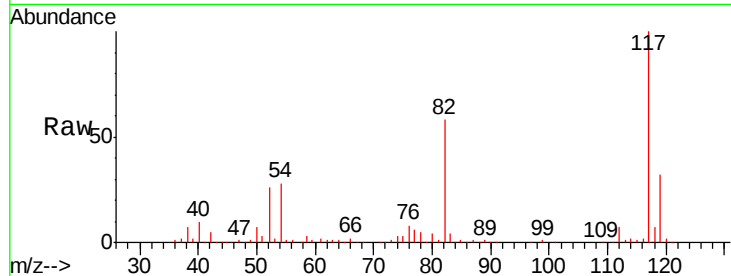




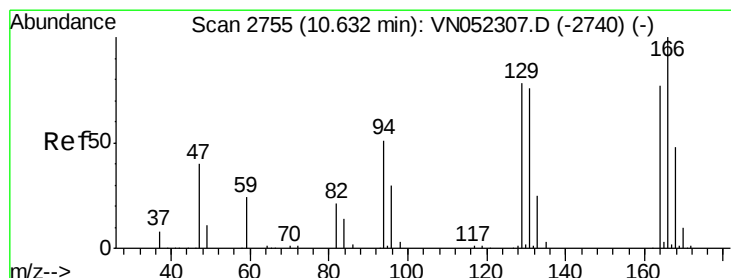
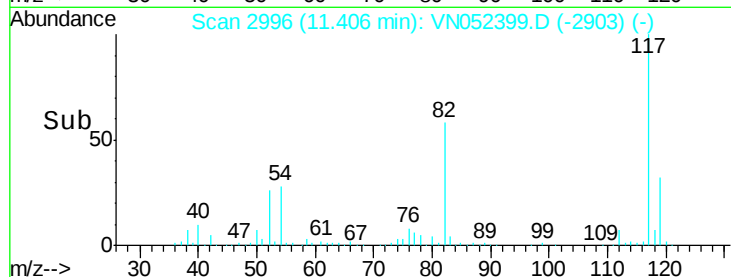
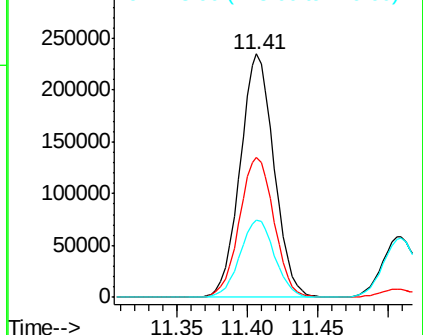
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 395025
Ion Ratio Lower Upper
117 100
82 57.6 46.5 69.7
119 31.6 25.7 38.5

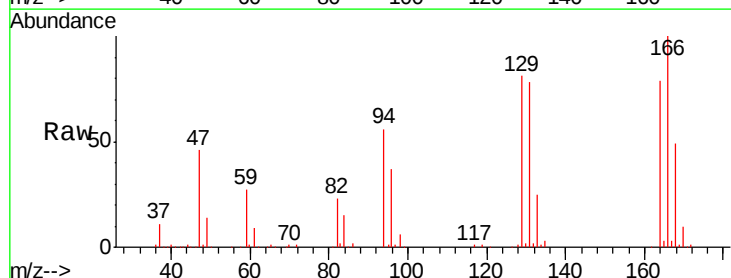


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

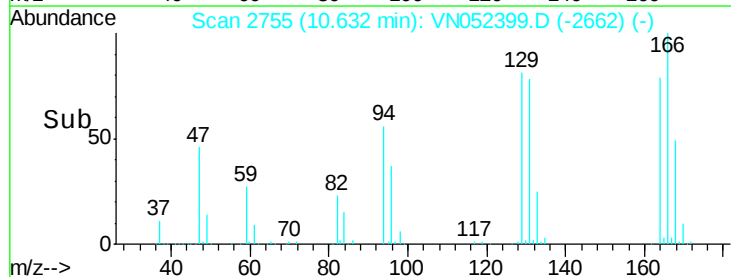
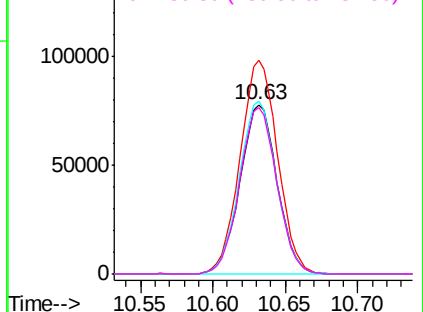


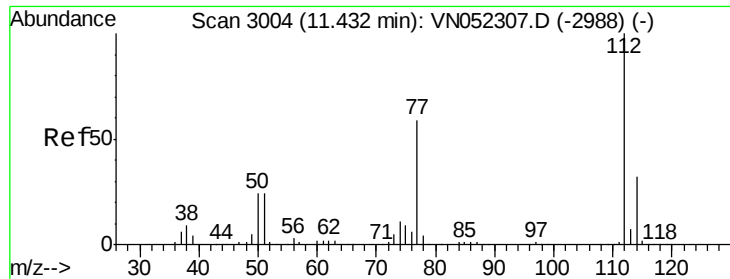
#64
Tetrachloroethene
Concen: 49.41 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion:164 Resp: 138773
Ion Ratio Lower Upper
164 100
166 126.1 103.8 155.6
129 102.1 80.7 121.1
131 98.2 78.5 117.7



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: 50.39 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampled :

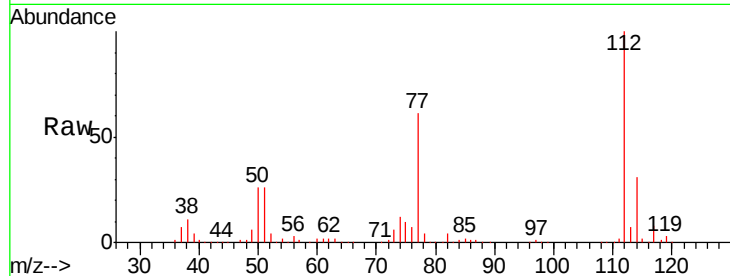
VSTDCCC050

Tgt Ion:112 Resp: 420733

Ion Ratio Lower Upper

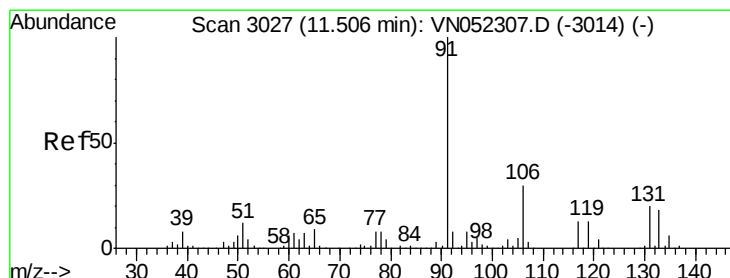
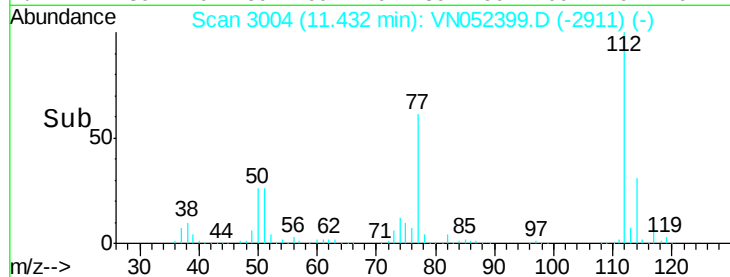
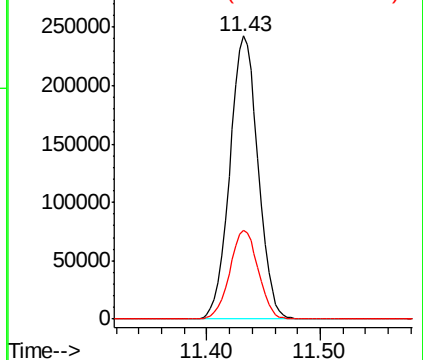
112 100

114 31.4 25.9 38.9



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: 51.91 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

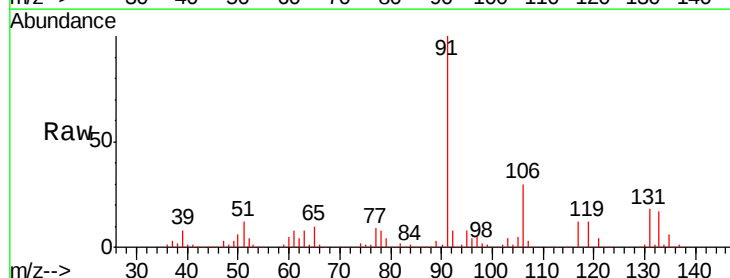
Tgt Ion:131 Resp: 147802

Ion Ratio Lower Upper

131 100

133 94.2 47.4 142.3

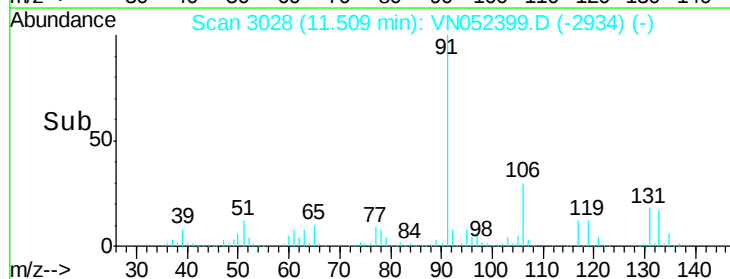
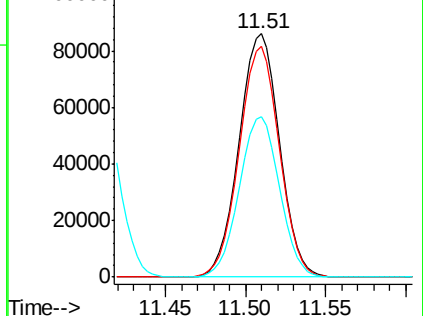
119 65.9 33.3 99.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

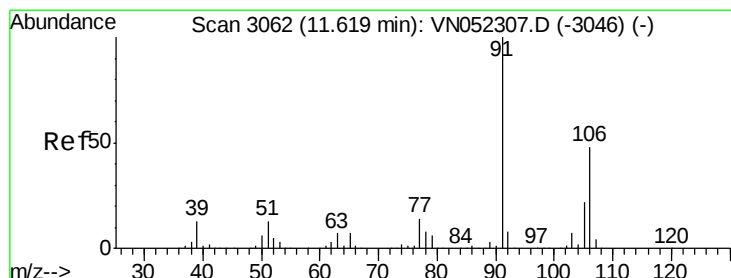
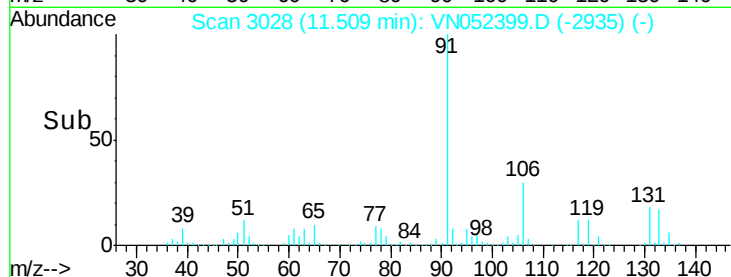
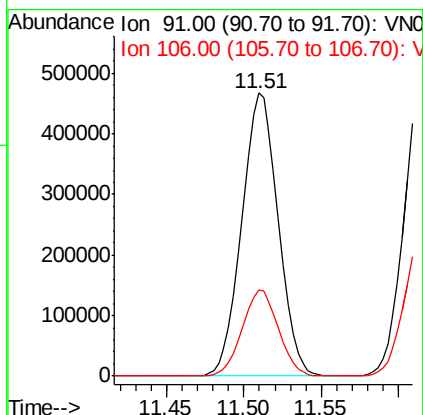
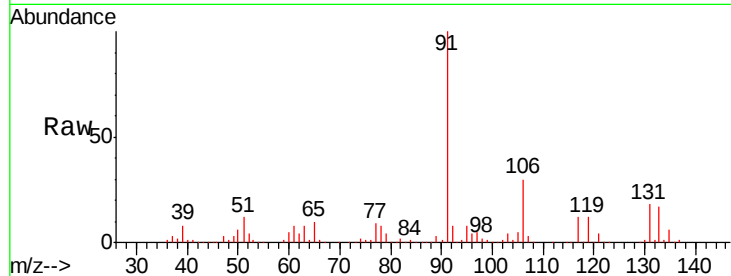




#67
Ethyl Benzene
Concen: 52.74 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

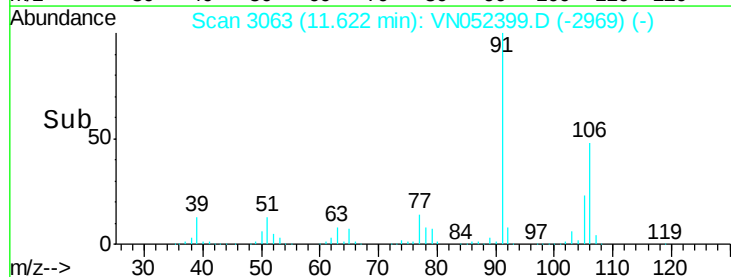
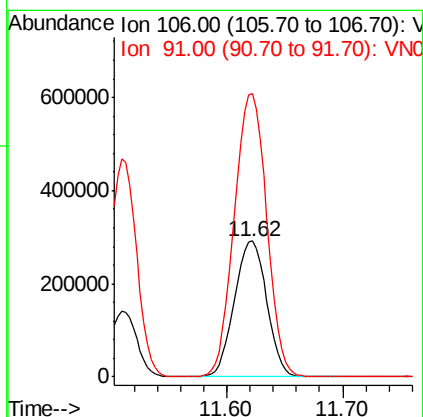
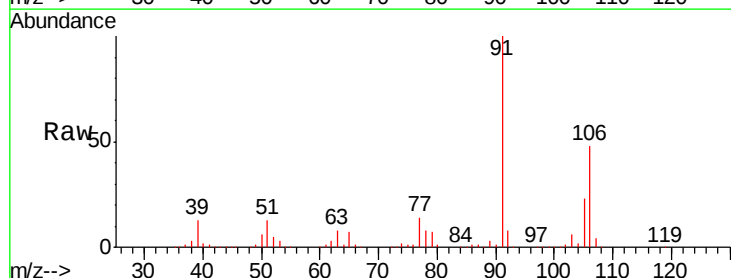
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

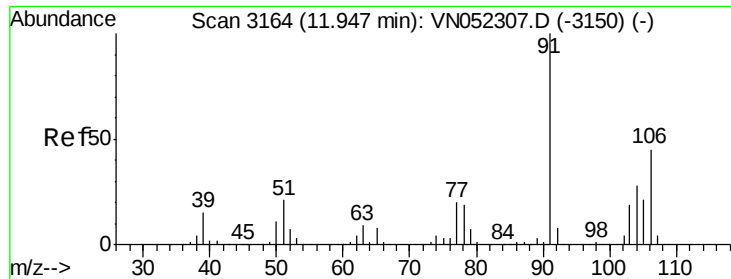
Tgt Ion: 91 Resp: 764296
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.2



#68
m/p-Xylenes
Concen: 106.44 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion: 106 Resp: 563610
Ion Ratio Lower Upper
106 100
91 209.2 165.5 248.3

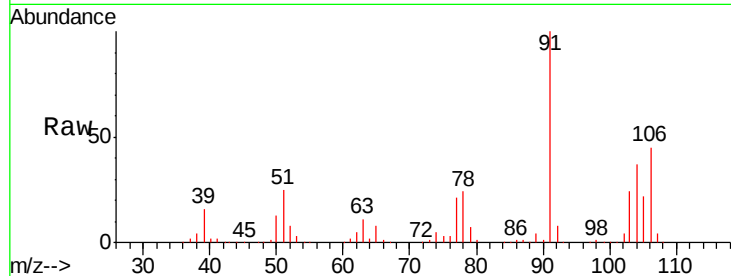




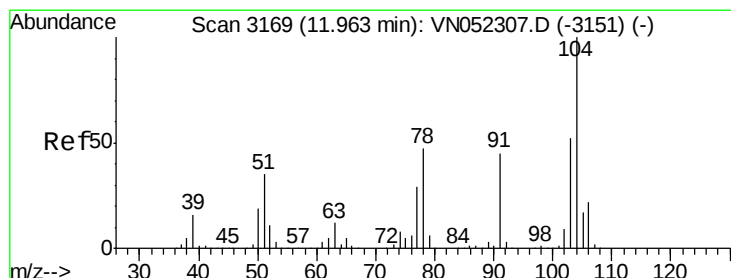
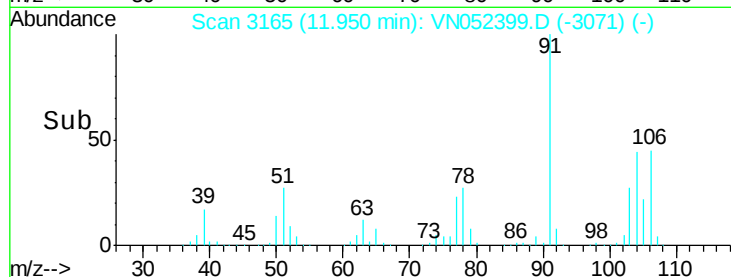
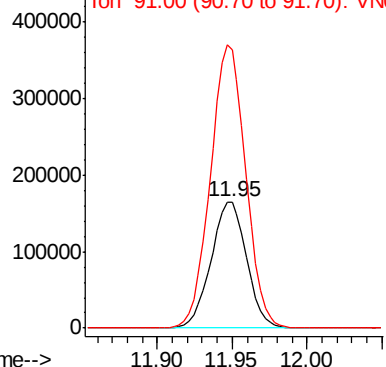
#69
o-Xylene
Concen: 53.61 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 272107
Ion Ratio Lower Upper
106 100
91 222.8 110.0 330.0

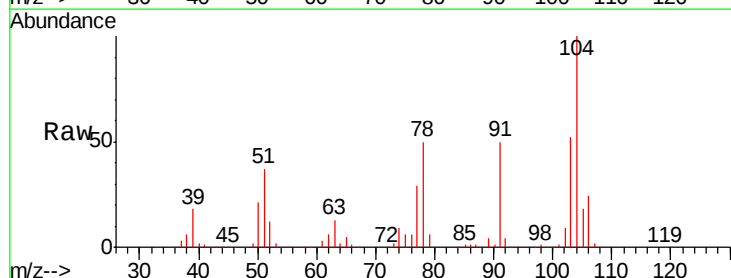


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

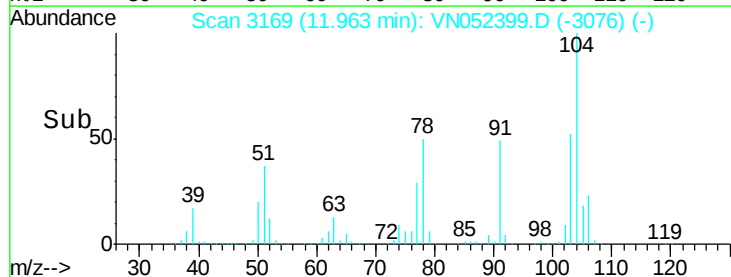
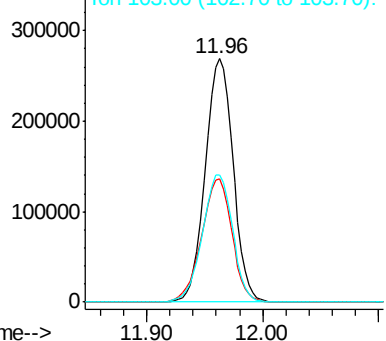


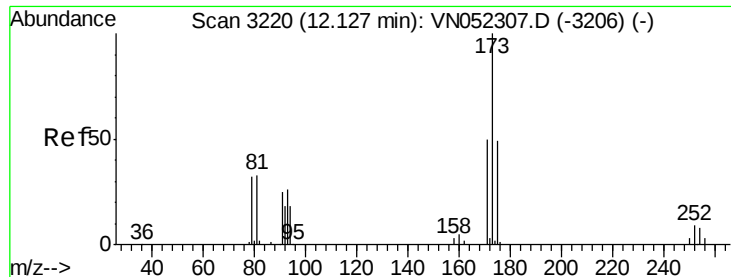
#70
Styrene
Concen: 54.93 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion:104 Resp: 446472
Ion Ratio Lower Upper
104 100
78 55.1 42.7 64.1
103 56.6 45.4 68.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 57.35 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

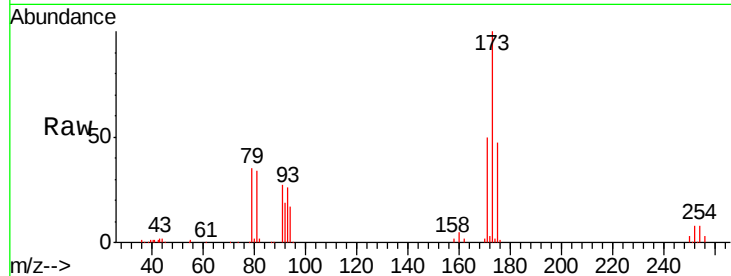
Tgt Ion:173 Resp: 96421

Ion Ratio Lower Upper

173 100

175 47.9 25.0 75.0

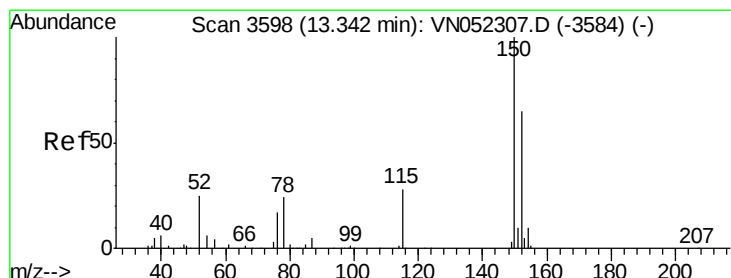
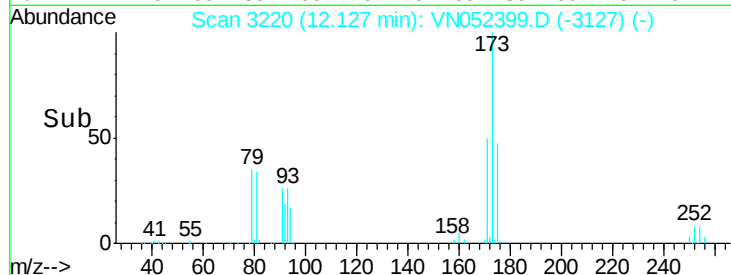
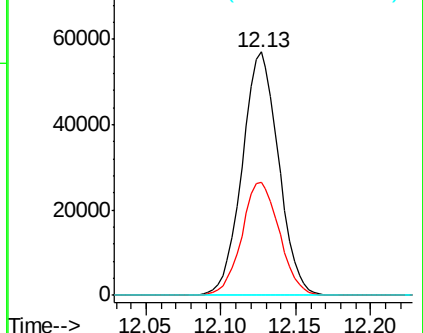
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

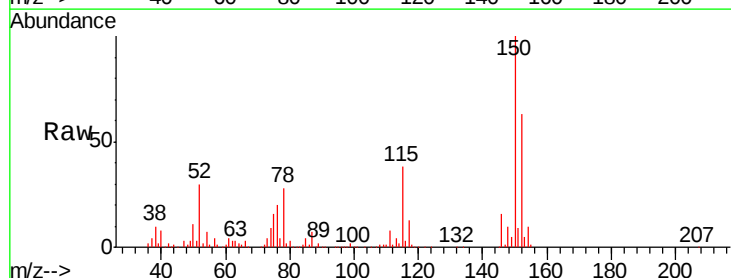
Tgt Ion:152 Resp: 186473

Ion Ratio Lower Upper

152 100

115 60.6 30.3 91.0

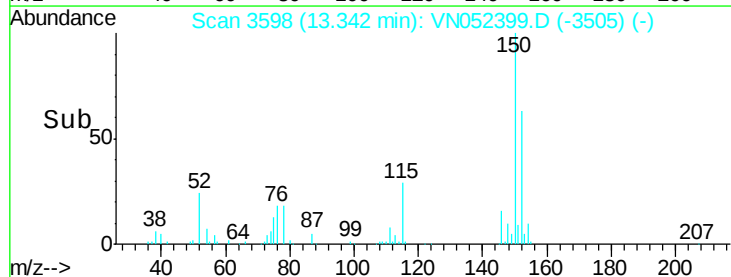
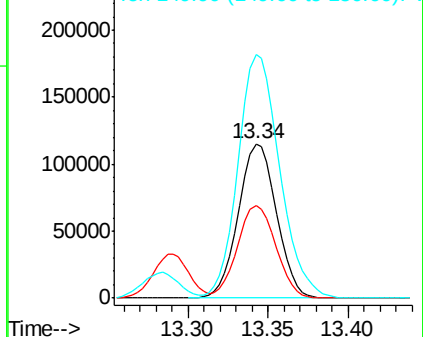
150 173.2 0.0 348.2

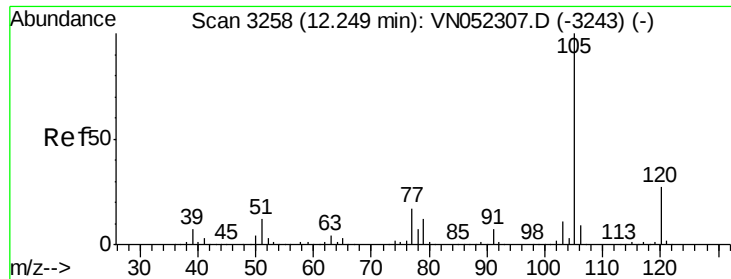


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.11 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

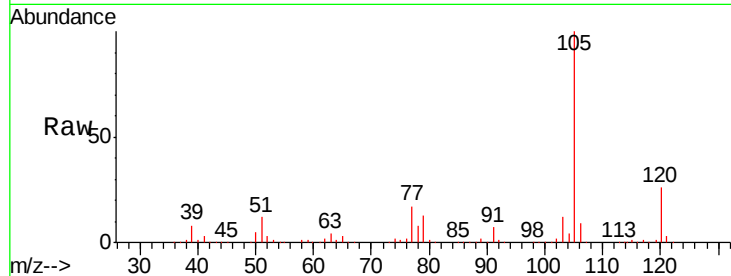
VSTDCCC050

Tgt Ion: 105 Resp: 751340

Ion Ratio Lower Upper

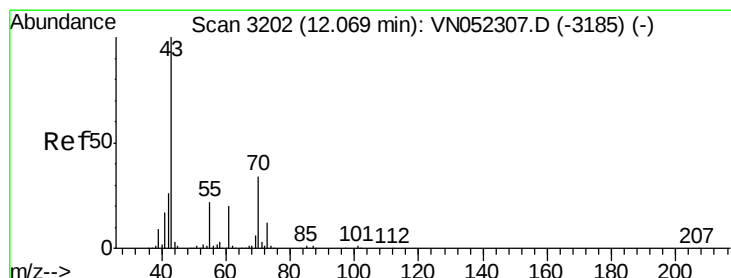
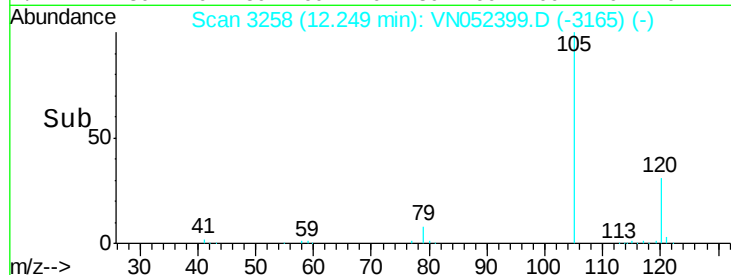
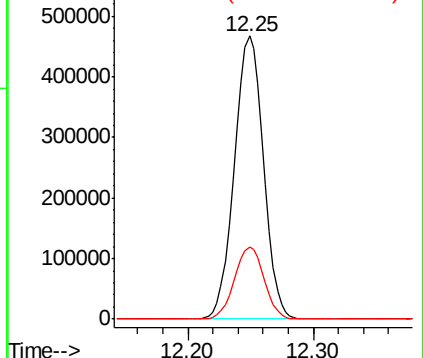
105 100

120 26.0 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.25 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Tgt Ion: 43 Resp: 246967

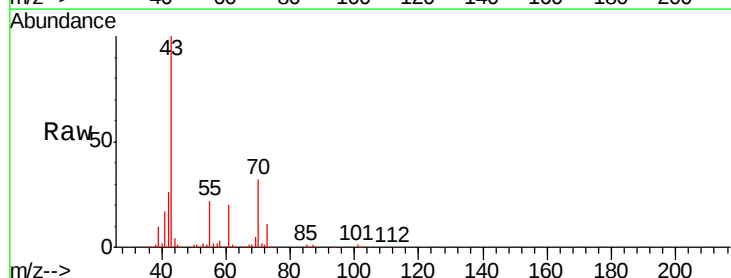
Ion Ratio Lower Upper

43 100

70 33.4 27.1 40.7

55 22.2 17.4 26.0

61 19.9 16.1 24.1

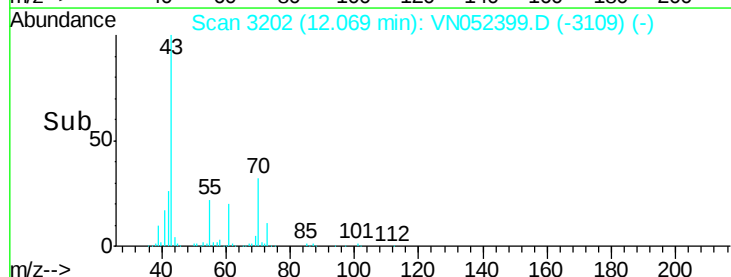
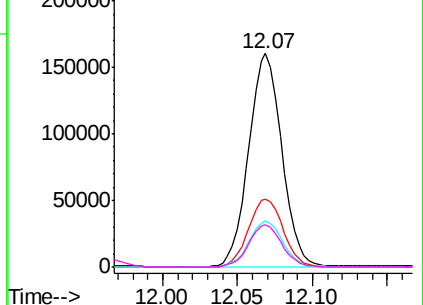


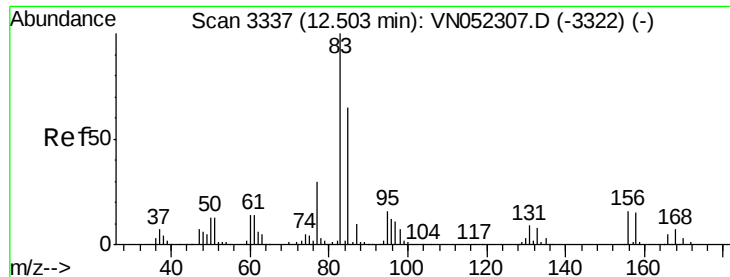
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.63 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

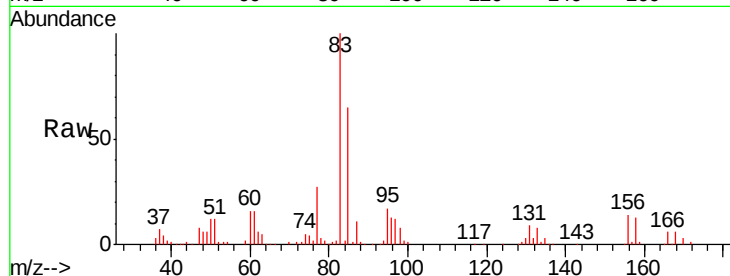
Tgt Ion: 83 Resp: 176262

Ion Ratio Lower Upper

83 100

131 9.8 4.7 14.1

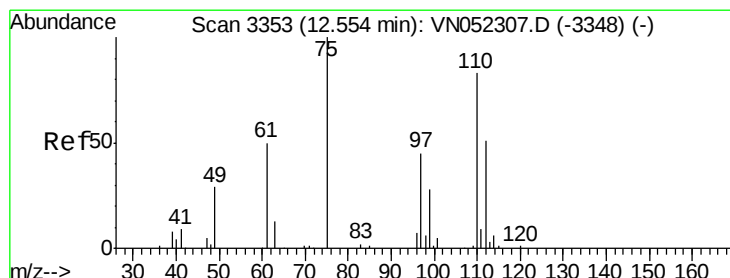
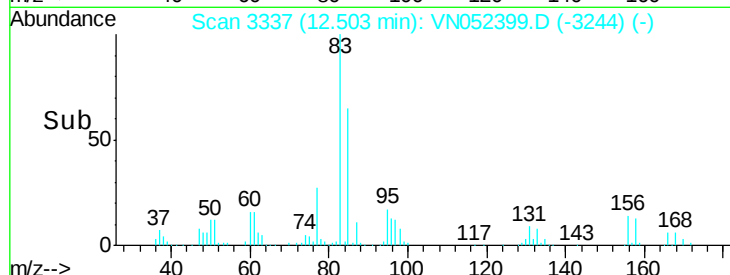
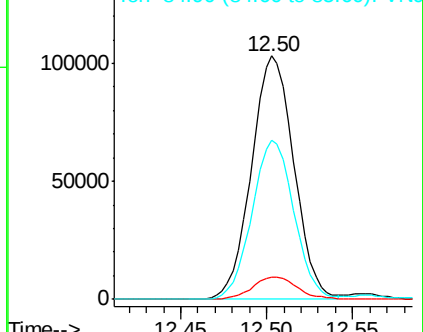
85 64.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN052307.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052307.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052307.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 73.35 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052399.D

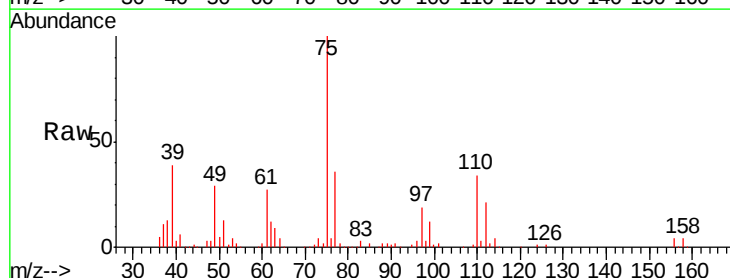
Acq: 20 Nov 2018 11:17

Tgt Ion: 75 Resp: 232076

Ion Ratio Lower Upper

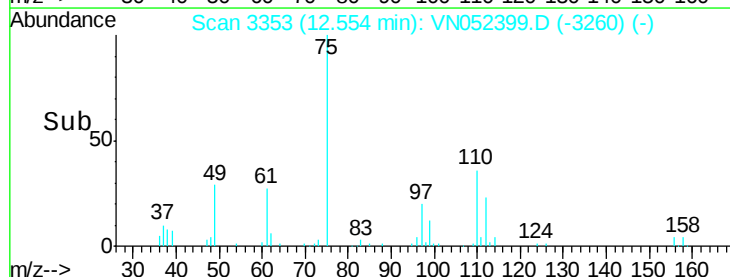
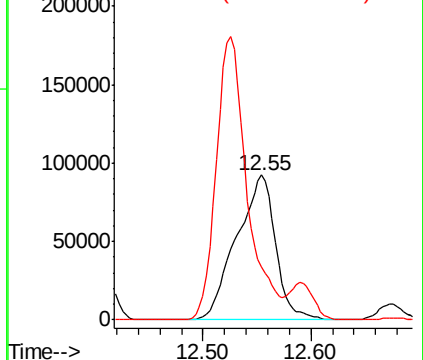
75 100

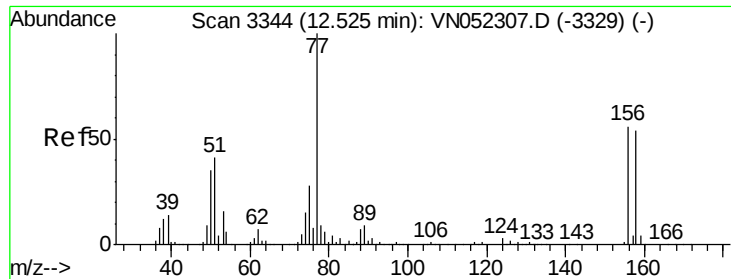
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052307.D (-3348) (-)





#77

Bromobenzene

Concen: 48.00 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

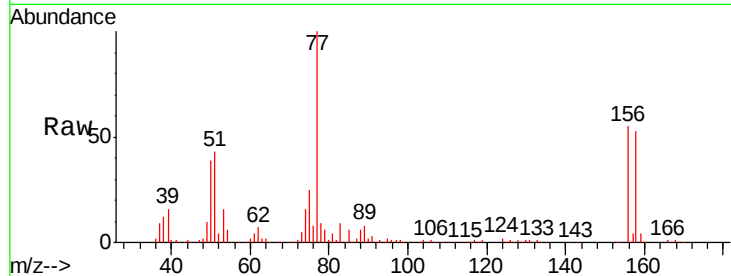
Tgt Ion:156 Resp: 167439

Ion Ratio Lower Upper

156 100

77 214.1 103.6 310.9

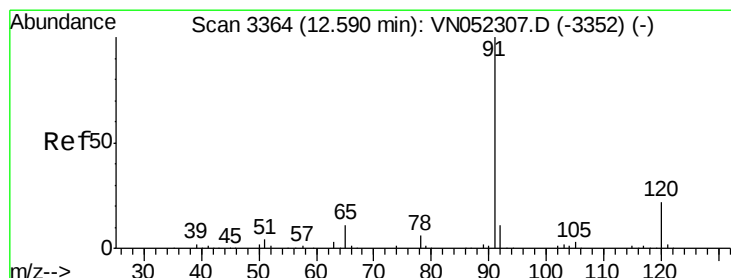
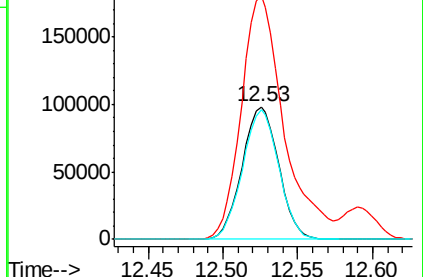
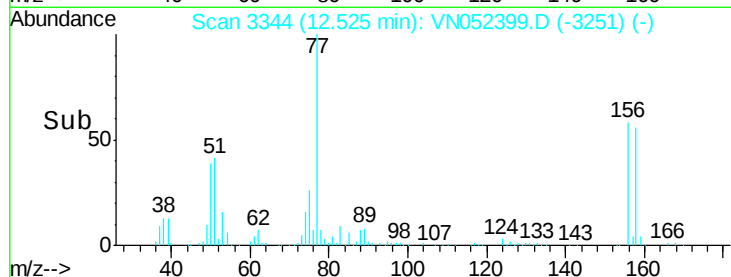
158 96.8 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.14 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052399.D

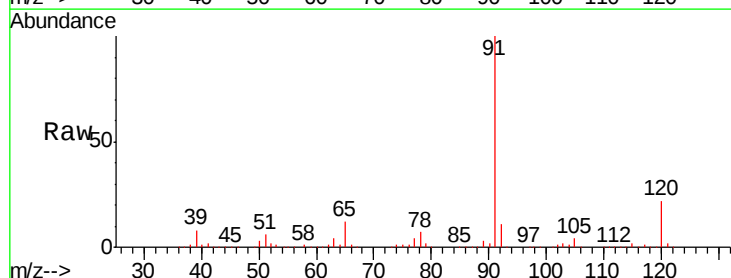
Acq: 20 Nov 2018 11:17

Tgt Ion: 91 Resp: 896614

Ion Ratio Lower Upper

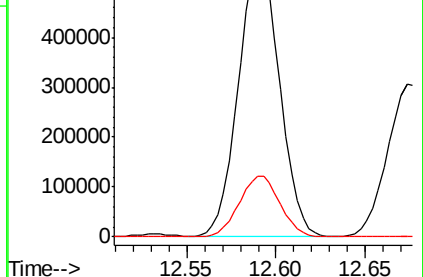
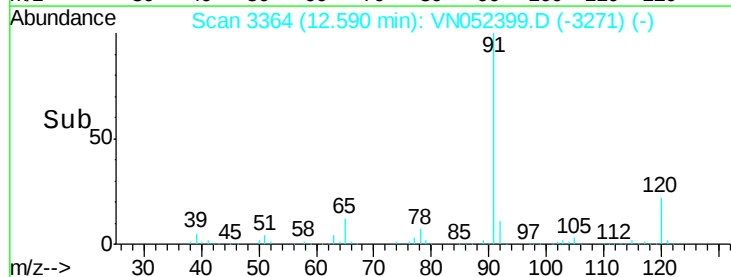
91 100

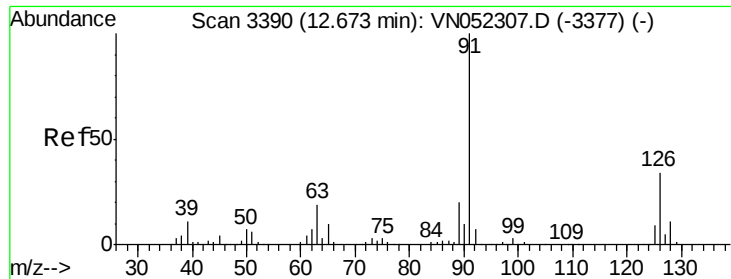
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.82 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampled :

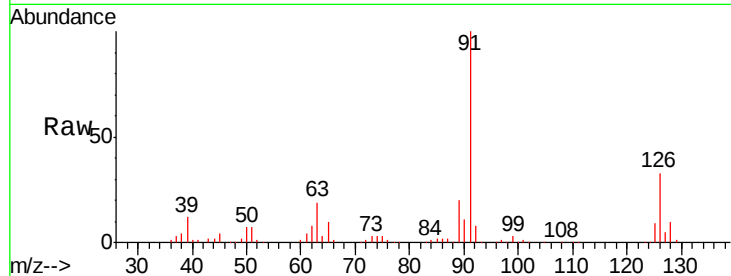
VSTDCCC050

Tgt Ion: 91 Resp: 510280

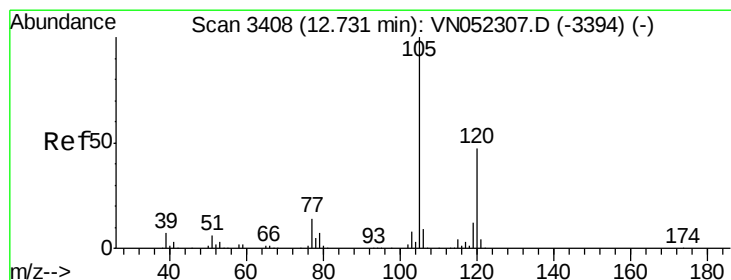
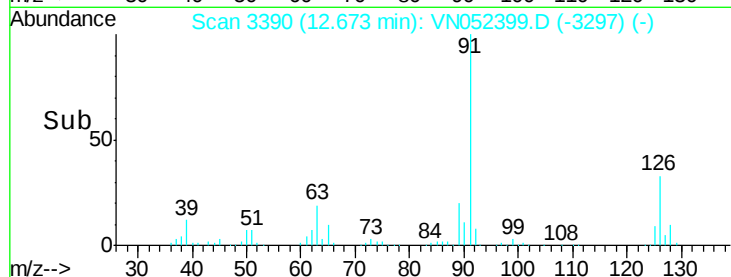
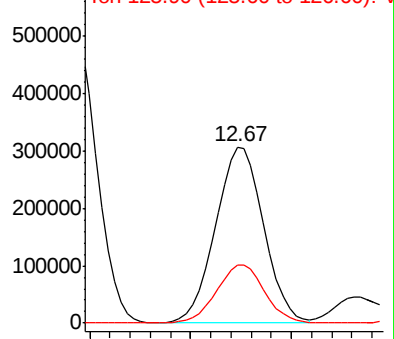
Ion Ratio Lower Upper

91 100

126 33.1 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.56 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052399.D

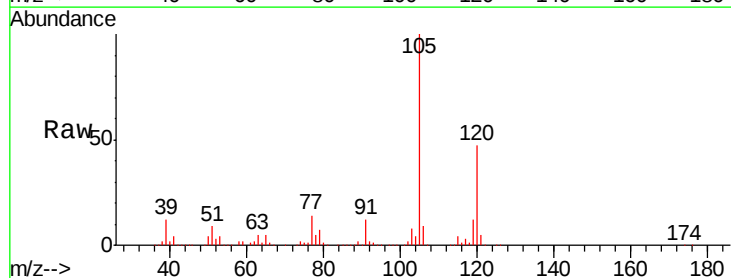
Acq: 20 Nov 2018 11:17

Tgt Ion: 105 Resp: 614694

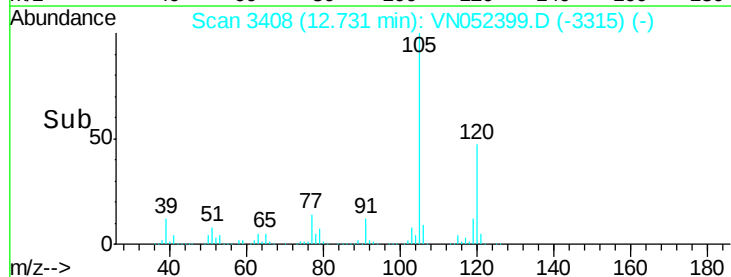
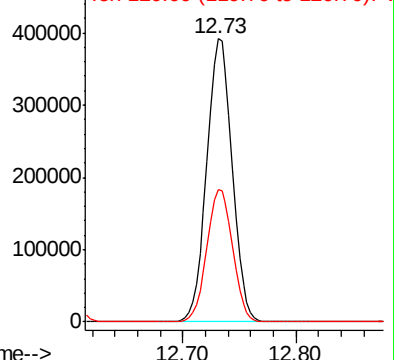
Ion Ratio Lower Upper

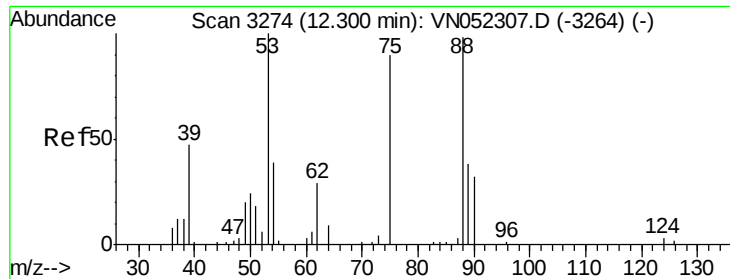
105 100

120 47.4 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.28 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

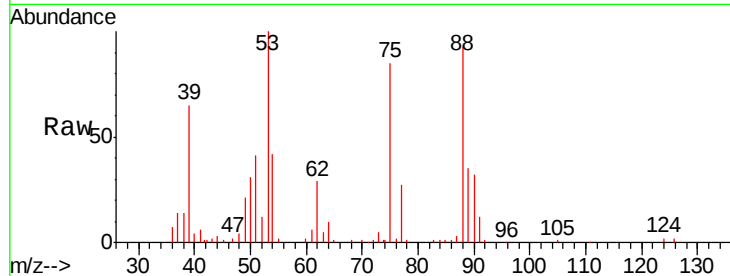
Tgt Ion: 75 Resp: 47104

Ion Ratio Lower Upper

75 100

53 120.6 90.2 135.2

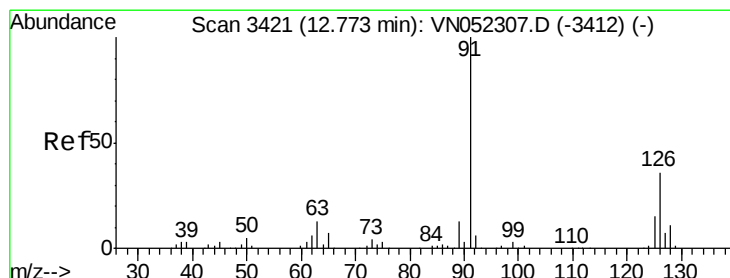
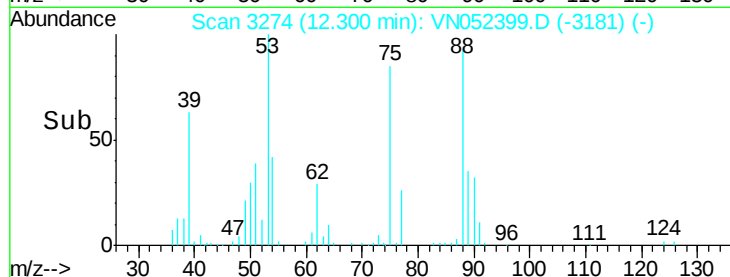
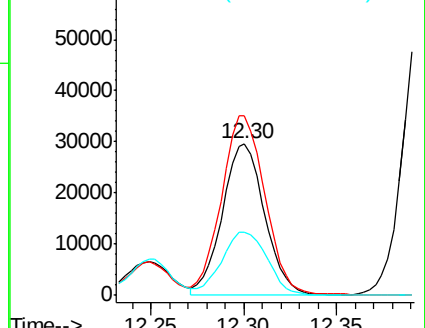
89 45.0 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.50 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052399.D

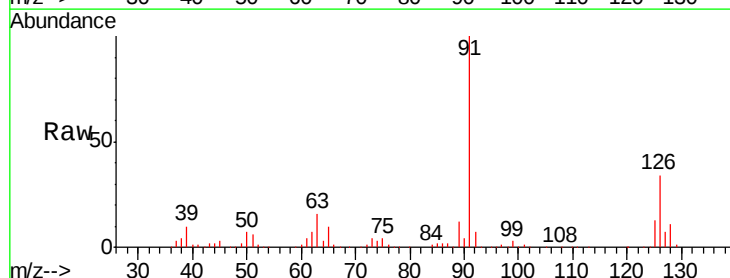
Acq: 20 Nov 2018 11:17

Tgt Ion: 91 Resp: 530010

Ion Ratio Lower Upper

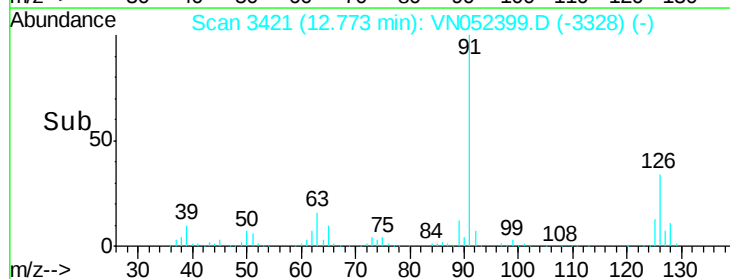
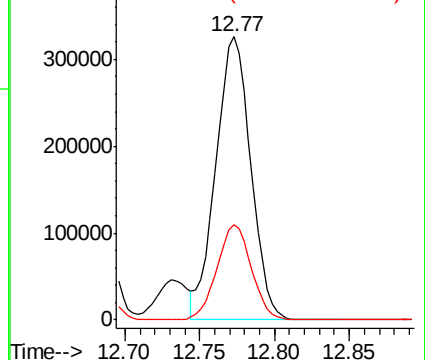
91 100

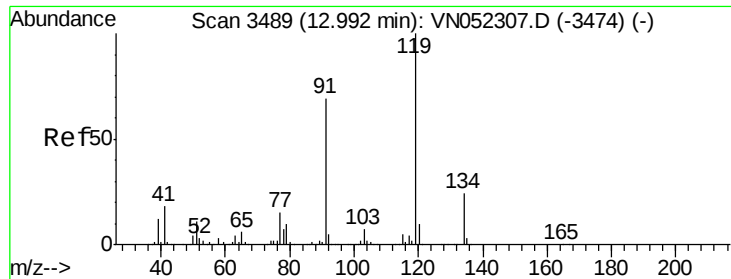
126 33.1 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

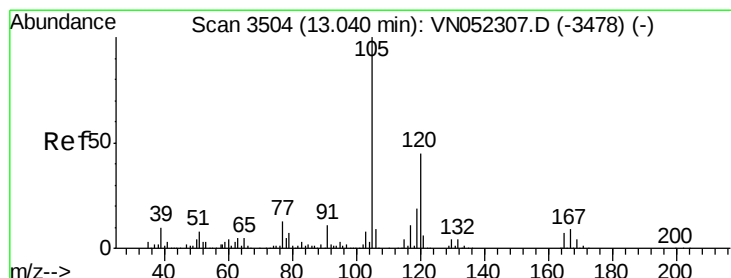
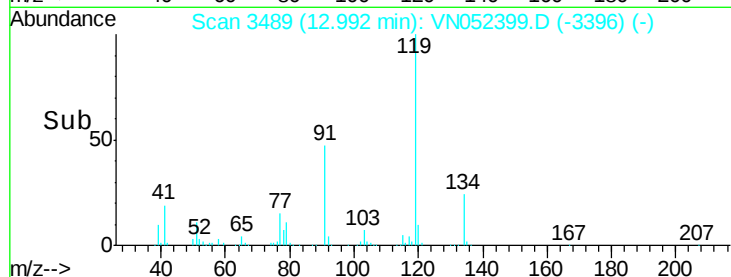
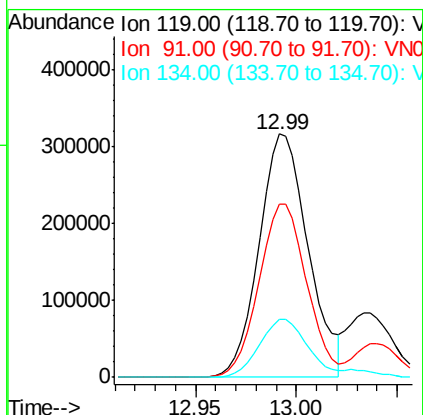
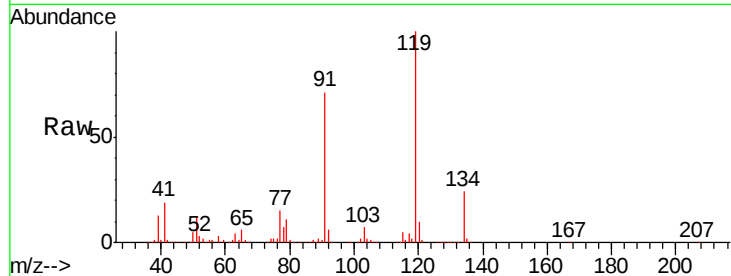




#83
 tert-Butylbenzene
 Concen: 51.06 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

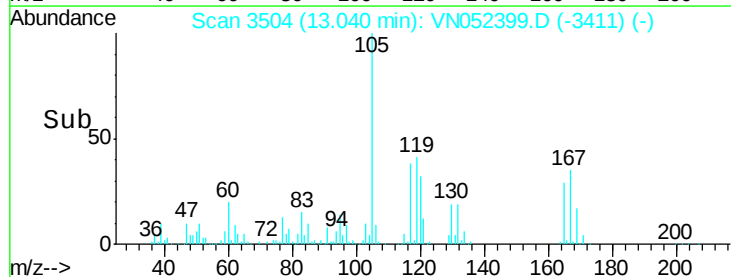
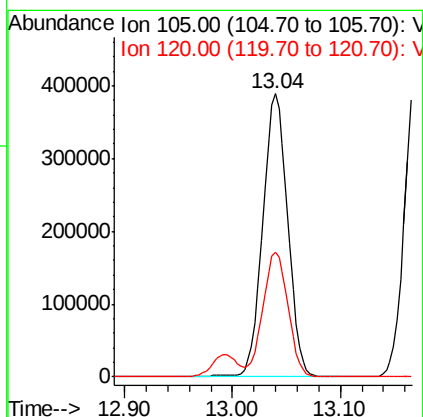
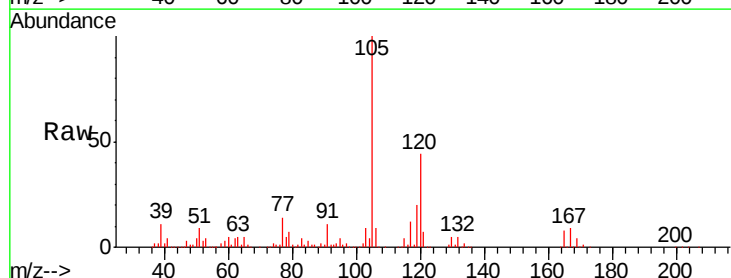
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

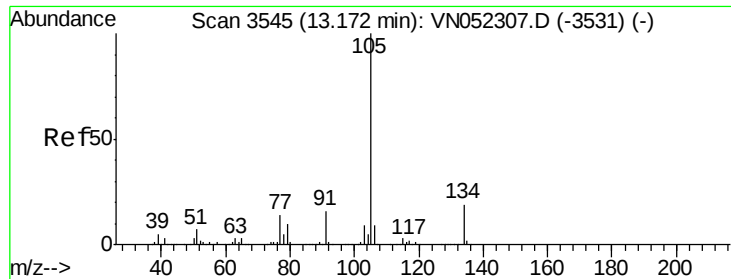
Tgt Ion:119 Resp: 537484
 Ion Ratio Lower Upper
 119 100
 91 69.3 33.8 101.3
 134 25.6 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 52.10 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion:105 Resp: 623580
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.5 67.5

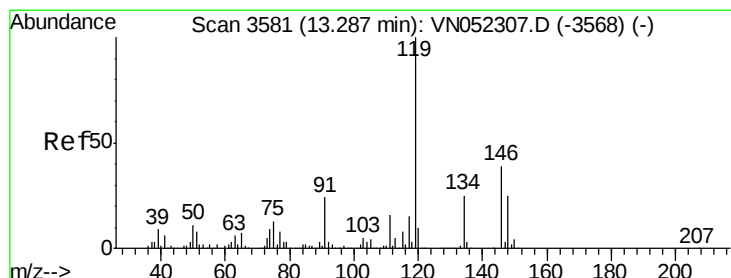
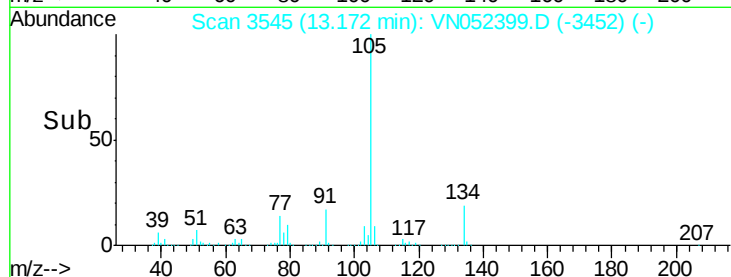
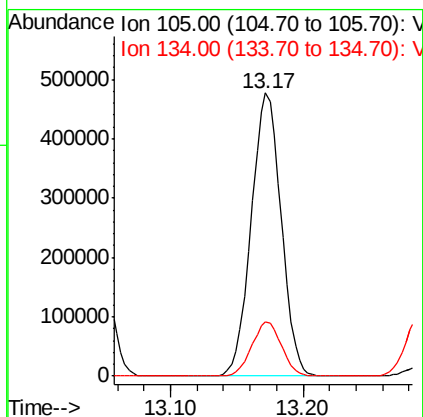
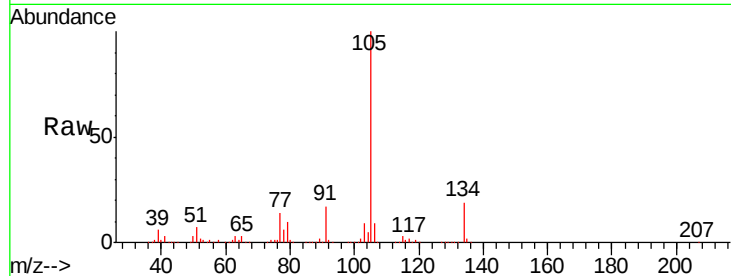




#85
 sec-Butylbenzene
 Concen: 52.11 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

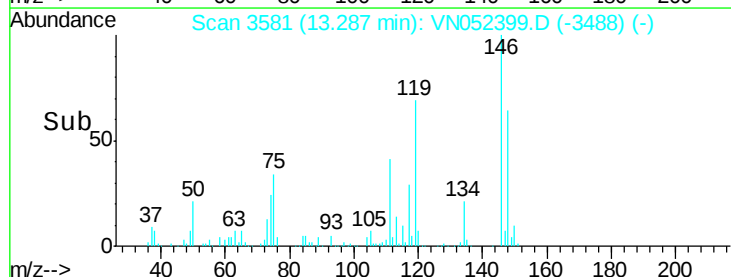
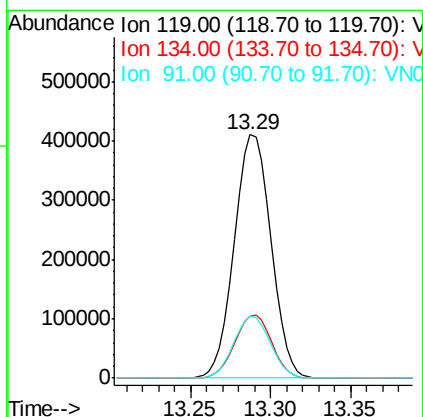
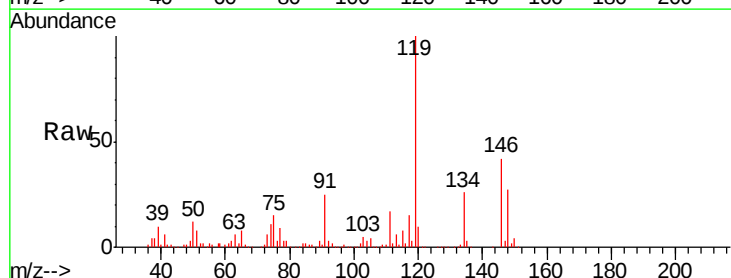
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

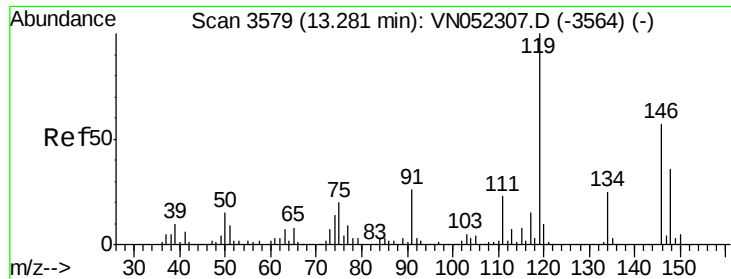
Tgt Ion:105 Resp: 747144
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 52.73 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion:119 Resp: 640476
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 25.6 12.4 37.0

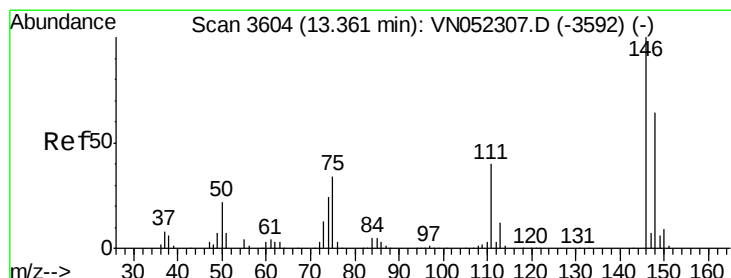
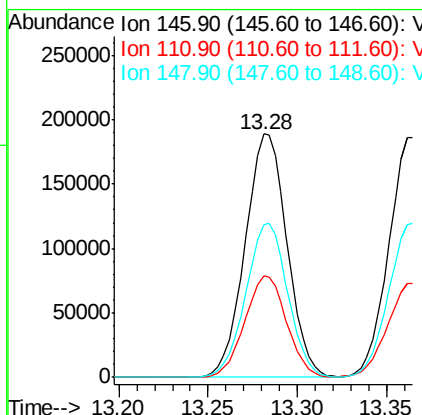
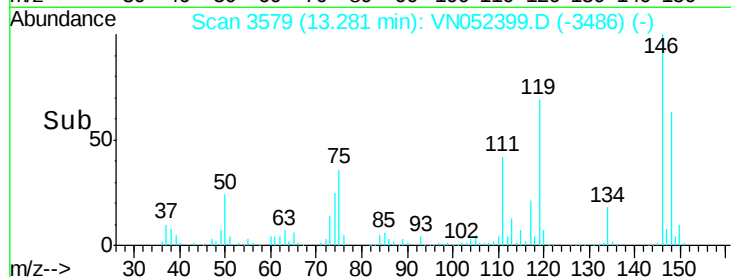
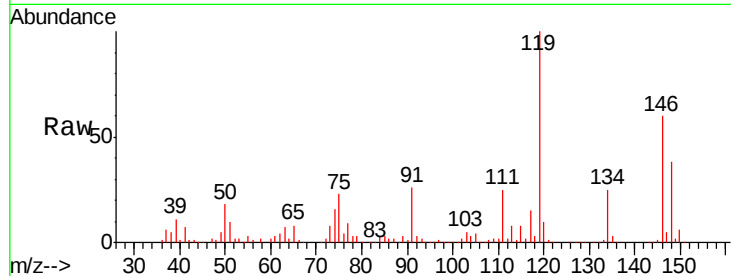




#87
 1,3-Dichlorobenzene
 Concen: 49.99 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

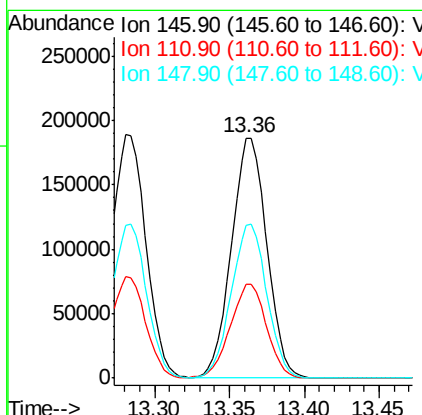
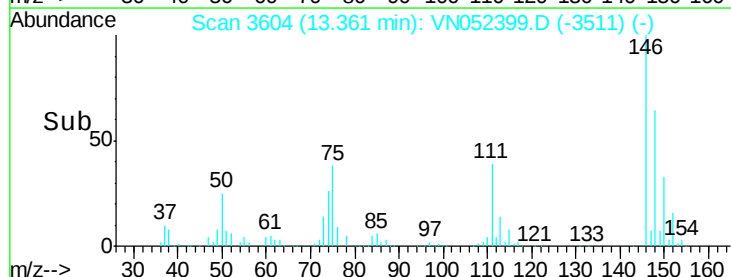
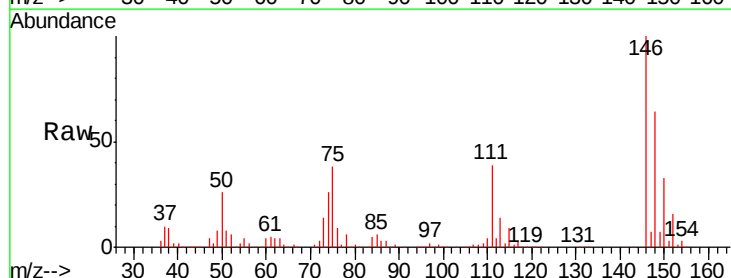
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

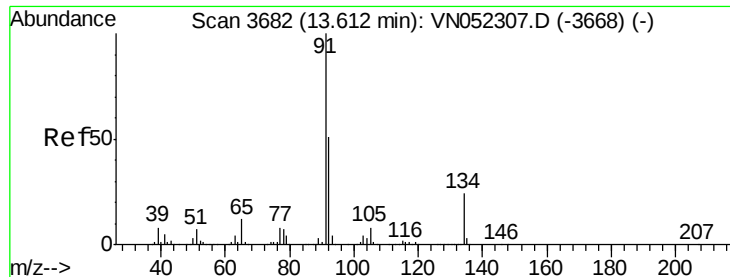
Tgt Ion:146 Resp: 309689
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.3 61.0
 148 63.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.93 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion:146 Resp: 307525
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.6 61.8
 148 64.3 32.4 97.2





#89

n-Butylbenzene

Concen: 55.84 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052399.D

Acq: 20 Nov 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

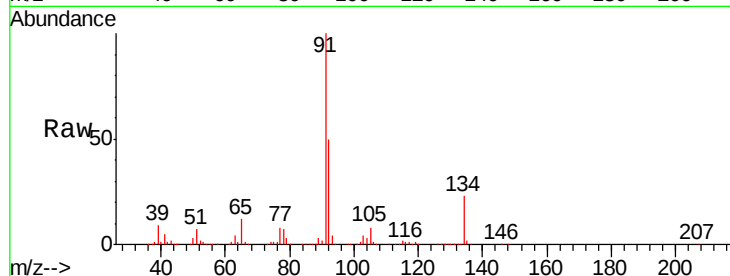
Tgt Ion: 91 Resp: 582473

Ion Ratio Lower Upper

91 100

92 50.2 25.4 76.2

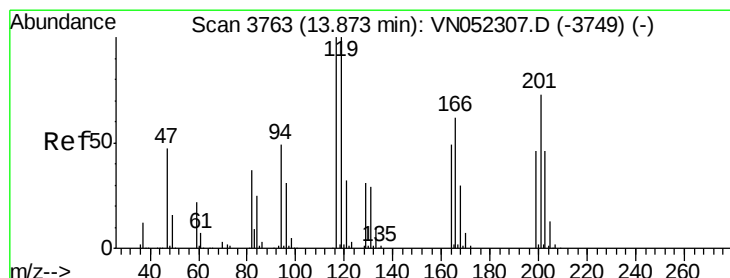
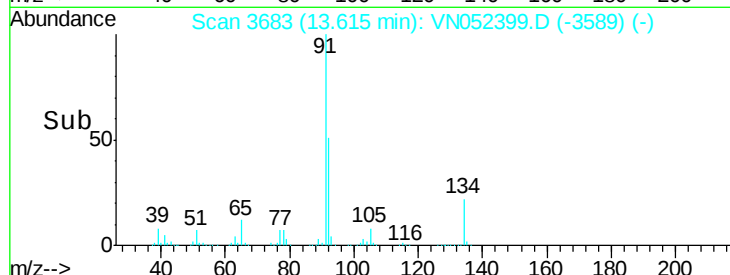
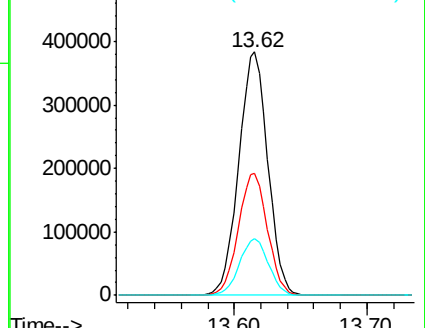
134 23.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052307.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052307.D (-3668) (-)



#90

Hexachloroethane

Concen: 51.98 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052399.D

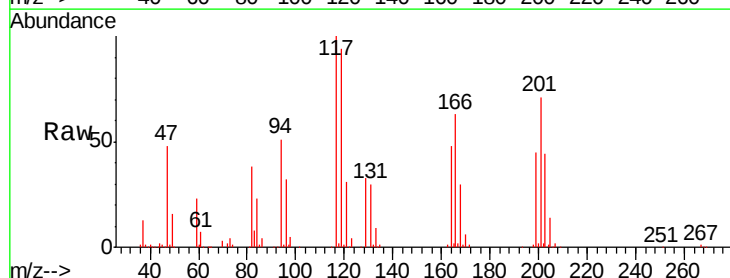
Acq: 20 Nov 2018 11:17

Tgt Ion: 117 Resp: 111820

Ion Ratio Lower Upper

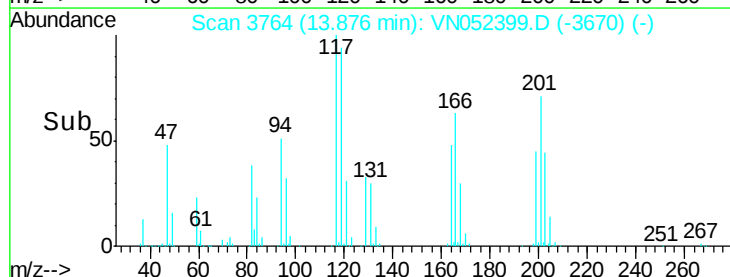
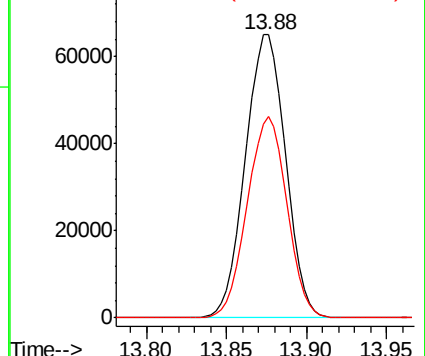
117 100

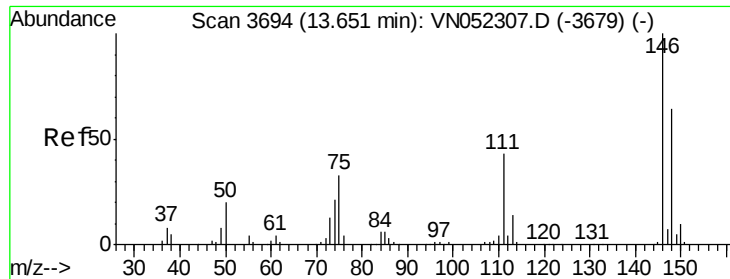
201 70.1 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052307.D (-3749) (-)

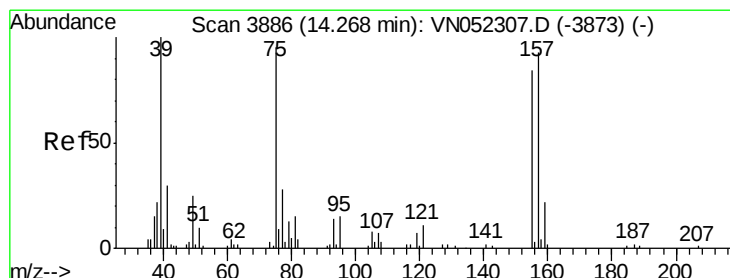
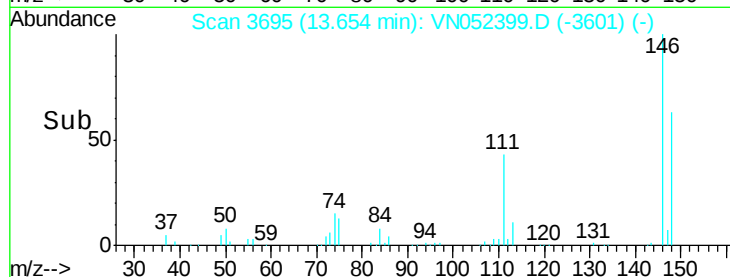
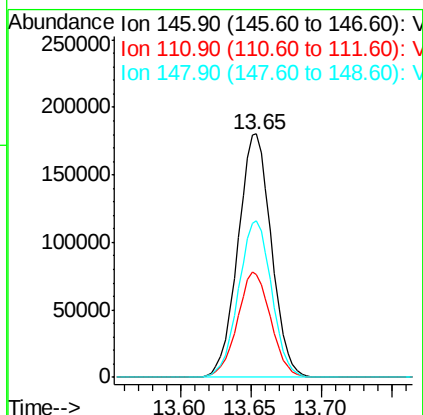
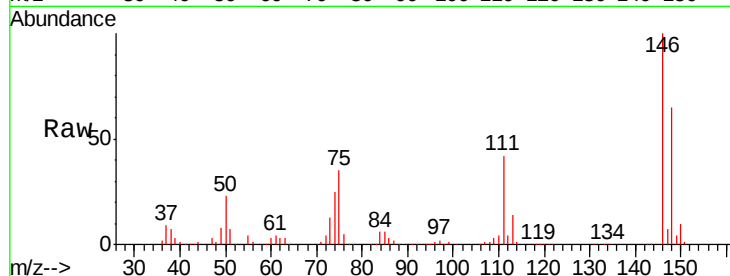




#91
 1,2-Dichlorobenzene
 Concen: 49.75 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

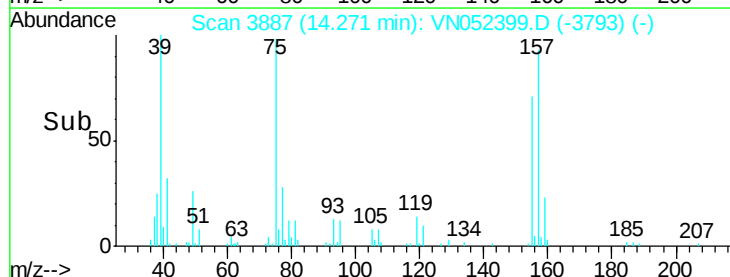
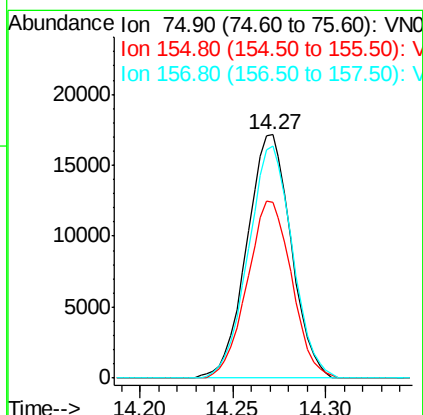
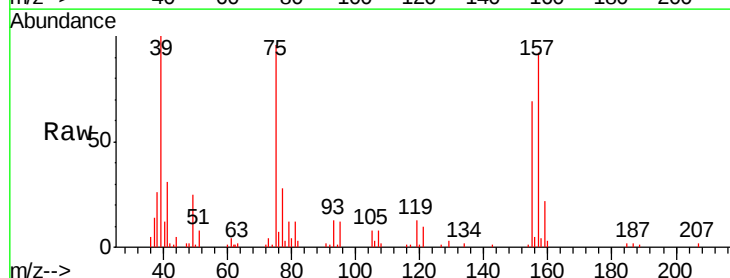
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

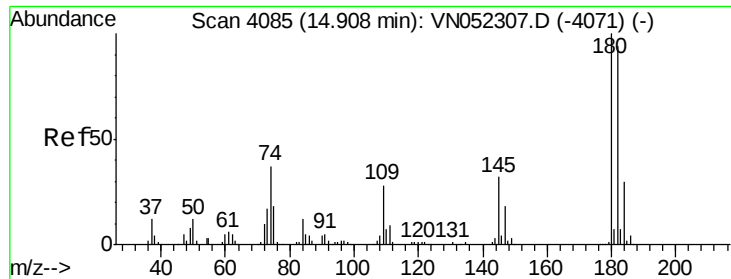
Tgt Ion: 146 Resp: 298637
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.3 63.9
 148 64.1 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.30 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion: 75 Resp: 28486
 Ion Ratio Lower Upper
 75 100
 155 72.7 42.4 127.3
 157 95.1 49.6 149.0

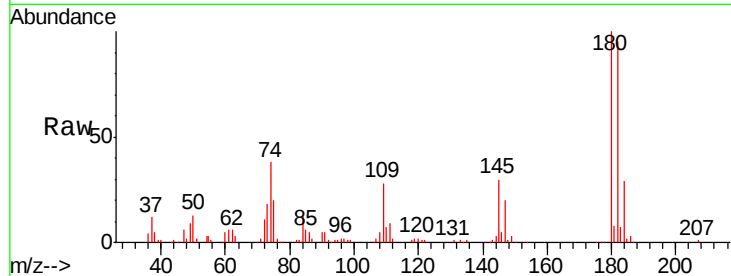




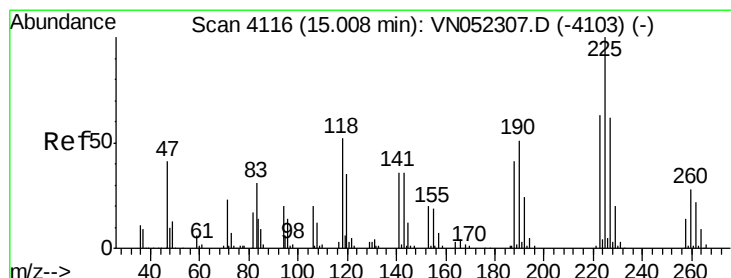
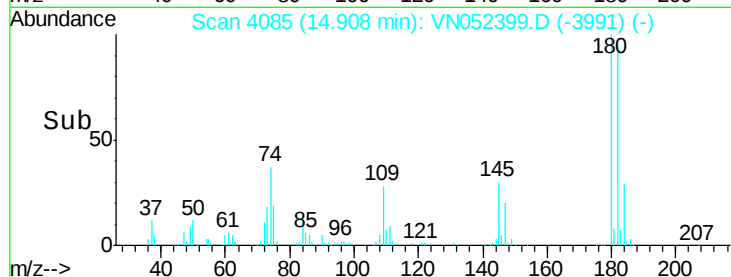
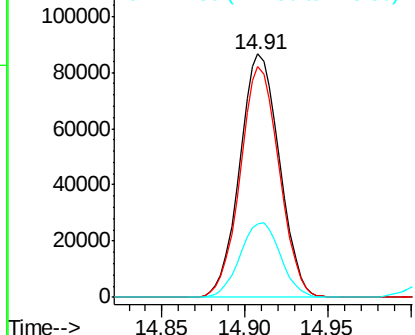
#93
 1,2,4-Trichlorobenzene
 Concen: 51.44 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 143850
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.6 142.9
 145 31.2 15.5 46.5

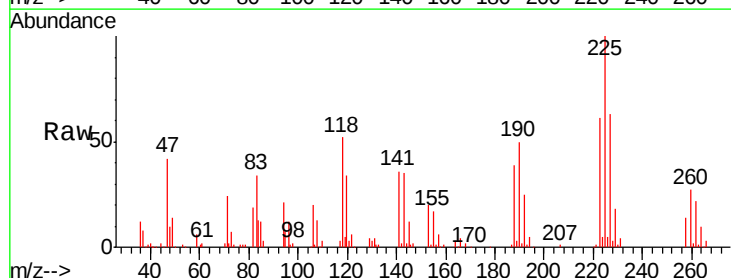


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

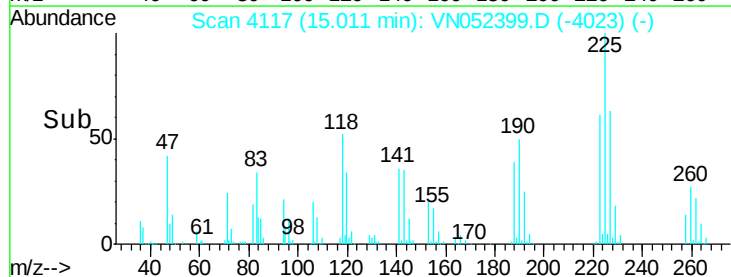
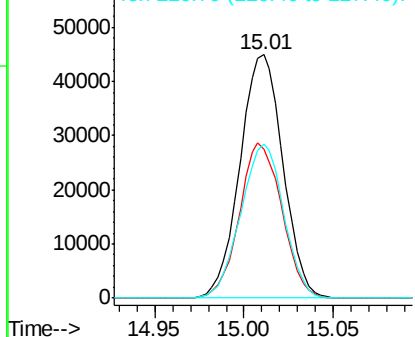


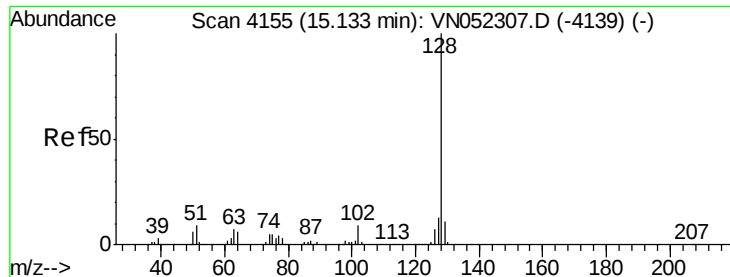
#94
 Hexachlorobutadiene
 Concen: 54.92 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052399.D
 Acq: 20 Nov 2018 11:17

Tgt Ion:225 Resp: 75444
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.9 95.5
 227 63.3 31.6 95.0



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

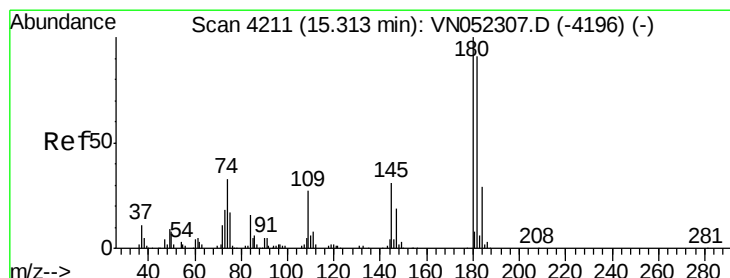
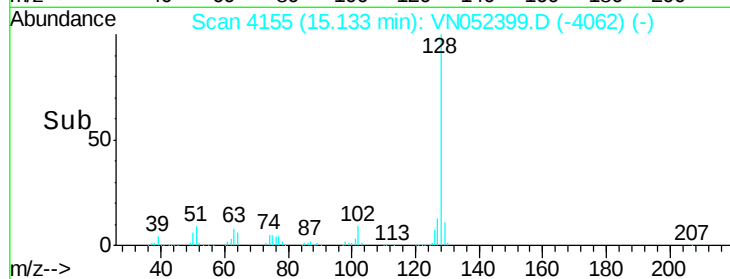
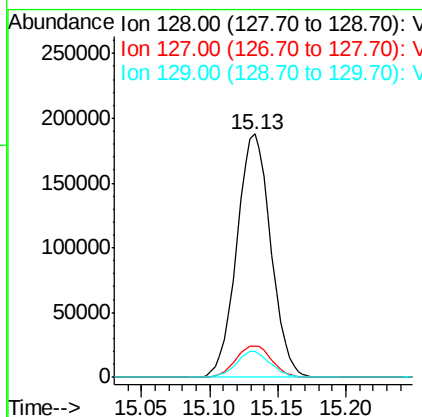
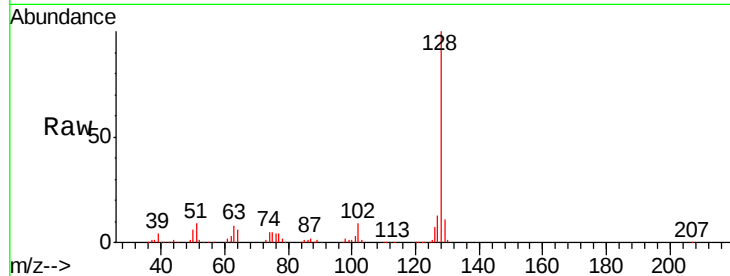




#95
Naphthalene
Concen: 49.20 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	10.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 56.73 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052399.D
Acq: 20 Nov 2018 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.5	139.3
145	32.7	16.4	49.2

