

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010219\
 Data File : VN053243.D
 Acq On : 2 Jan 2019 12:51
 Operator : MD\SY
 Sample : VN0102WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

Quant Time: Jan 03 01:23:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	905440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1386376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1179695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	493380	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	479257	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	7.59	113	406704	64.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.44%	
50) Toluene-d8	10.09	98	1682138	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	540503	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	162841	17.770	ug/l	100
3) Chloromethane	2.06	50	196785	17.721	ug/l	99
4) Vinyl Chloride	2.19	62	210742	18.739	ug/l	100
5) Bromomethane	2.58	94	140274	18.003	ug/l	99
6) Chloroethane	2.71	64	130325	19.566	ug/l	98
7) Trichlorofluoromethane	3.03	101	292946	20.910	ug/l	98
8) Diethyl Ether	3.42	74	114380	21.641	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	189560	21.221	ug/l	98
10) Methyl Iodide	3.96	142	241649	19.263	ug/l	99
11) Tert butyl alcohol	4.78	59	57076	101.804	ug/l	99
12) 1,1-Dichloroethene	3.74	96	178493	20.683	ug/l	97
13) Acrolein	3.61	56	48714	95.826	ug/l	99
14) Allyl chloride	4.33	41	278450	20.830	ug/l	97
15) Acrylonitrile	4.99	53	338128	108.560	ug/l	98
16) Acetone	3.82	43	226712	125.841	ug/l	98
17) Carbon Disulfide	4.06	76	465839	16.552	ug/l	100
18) Methyl Acetate	4.33	43	193824	24.226	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	514414	22.274	ug/l	100
20) Methylene Chloride	4.56	84	204327	20.792	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	188766	20.358	ug/l	98
22) Diisopropyl ether	5.95	45	647945	22.708	ug/l	99
23) Vinyl Acetate	5.90	43	1858697	113.283	ug/l	99
24) 1,1-Dichloroethane	5.85	63	371895	21.934	ug/l	98
25) 2-Butanone	6.83	43	356338	117.857	ug/l	98
26) 2,2-Dichloropropane	6.83	77	279238	21.574	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	224676	21.403	ug/l	99
28) Bromochloromethane	7.20	49	161747	22.015	ug/l	99
29) Tetrahydrofuran	7.21	42	247862	109.763	ug/l	99
30) Chloroform	7.37	83	366307	21.992	ug/l	99
31) Cyclohexane	7.66	56	333816	20.369	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	300800	21.200	ug/l	99
36) 1,1-Dichloropropene	7.80	75	270020	20.292	ug/l	100
37) Ethyl Acetate	6.93	43	167061	22.489	ug/l	99
38) Carbon Tetrachloride	7.78	117	261420	21.433	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	307064	18.996	ug/l	99
40) Benzene	8.04	78	844203	21.329	ug/l	100
41) Methacrylonitrile	7.17	41	96958	22.590	ug/l	95
42) 1,2-Dichloroethane	8.12	62	249818	21.365	ug/l	99
43) Isopropyl Acetate	8.16	43	315210	21.328	ug/l	100
44) Trichloroethene	8.84	130	230150	20.103	ug/l	98
45) 1,2-Dichloropropane	9.12	63	225132	21.837	ug/l	99
46) Dibromomethane	9.21	93	128446	21.387	ug/l	98
47) Bromodichloromethane	9.40	83	279330	21.880	ug/l	100
48) Methyl methacrylate	9.20	41	152051	21.094	ug/l	99
49) 1,4-Dioxane	9.20	88	34013	373.018	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	800010	111.206	ug/l	99
52) Toluene	10.16	92	506242	20.635	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	272113	20.270	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	320962	20.830	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	187937	21.958	ug/l	100
56) Ethyl methacrylate	10.43	69	240062	21.191	ug/l	97
57) 1,3-Dichloropropane	10.71	76	318557	21.705	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	659325	106.012	ug/l	99
59) 2-Hexanone	10.75	43	525379	107.941	ug/l	99
60) Dibromochloromethane	10.90	129	204316	20.855	ug/l	100
61) 1,2-Dibromoethane	11.01	107	180455	20.760	ug/l	100
64) Tetrachloroethene	10.63	164	240594	18.828	ug/l	98
65) Chlorobenzene	11.43	112	544833	20.835	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	199949	21.988	ug/l	98
67) Ethyl Benzene	11.51	91	931589	20.715	ug/l	100
68) m/p-Xylenes	11.62	106	693788	40.581	ug/l	99
69) o-Xylene	11.95	106	339802	20.713	ug/l	99
70) Styrene	11.96	104	544241	20.345	ug/l	100
71) Bromoform	12.13	173	131966	20.088	ug/l #	98
73) Isopropylbenzene	12.25	105	904563	23.433	ug/l	99
74) N-amyl acetate	12.07	43	237597	22.169	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	200803	26.515	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	254388	30.629	ug/l #	100
77) Bromobenzene	12.53	156	229071	22.828	ug/l	97
78) n-propylbenzene	12.59	91	977012	22.223	ug/l	99
79) 2-Chlorotoluene	12.67	91	584577	21.451	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	687992	21.866	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55663	21.601	ug/l	99
82) 4-Chlorotoluene	12.77	91	579845	21.736	ug/l	100
83) tert-Butylbenzene	12.99	119	619403	22.259	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	690077	21.817	ug/l	100
85) sec-Butylbenzene	13.17	105	804922	21.385	ug/l	99
86) p-Isopropyltoluene	13.29	119	675925	20.783	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	368917	20.772	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	363192	20.194	ug/l	99
89) n-Butylbenzene	13.62	91	528217	18.878	ug/l	100
90) Hexachloroethane	13.88	117	110990	22.238	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	350516	20.971	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25703	19.629	ug/l	97

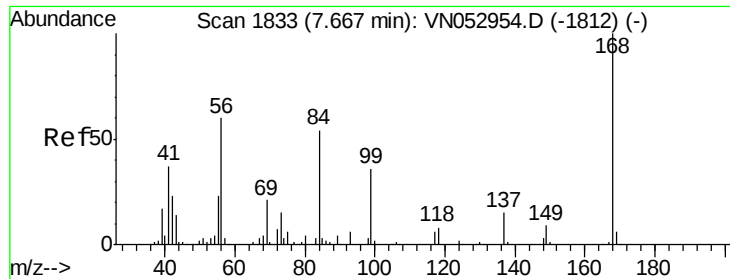
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010219\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167275	19.260	ug/l	99
94) Hexachlorobutadiene	15.01	225	108709	22.107	ug/l	99
95) Naphthalene	15.13	128	357038	19.130	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	152549	19.443	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

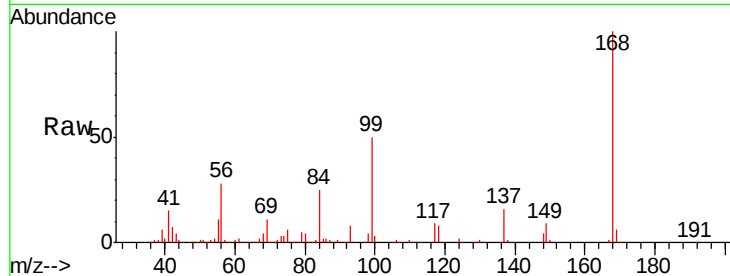
VN0102WBSD02

Tgt Ion:168 Resp: 905440

Ion Ratio Lower Upper

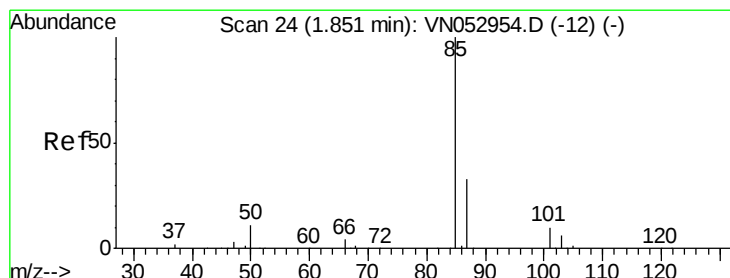
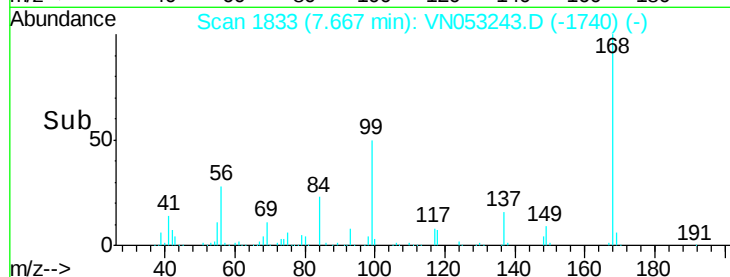
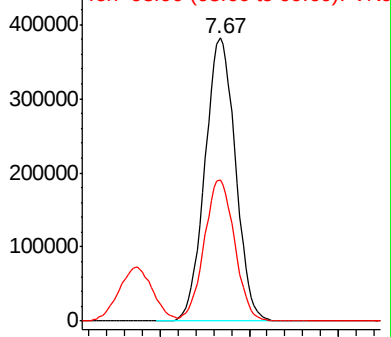
168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053243.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053243.D (-1740) (-)



#2

Dichlorodifluoromethane

Concen: 17.770 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053243.D

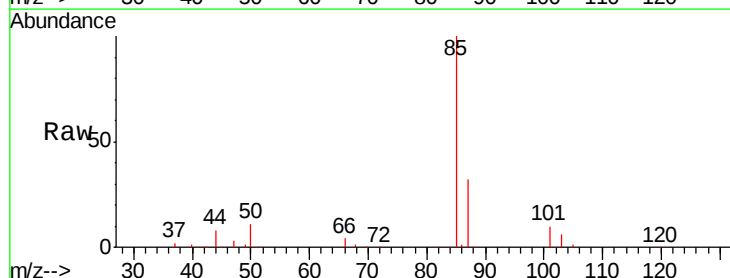
Acq: 2 Jan 2019 12:51

Tgt Ion: 85 Resp: 162841

Ion Ratio Lower Upper

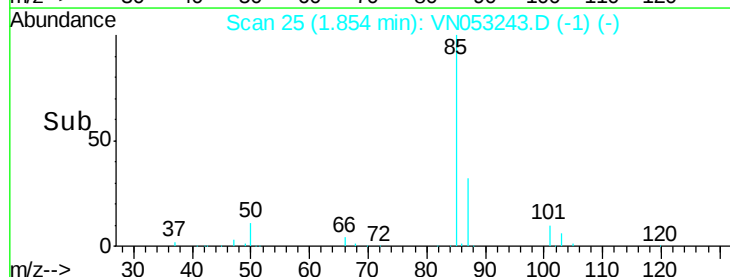
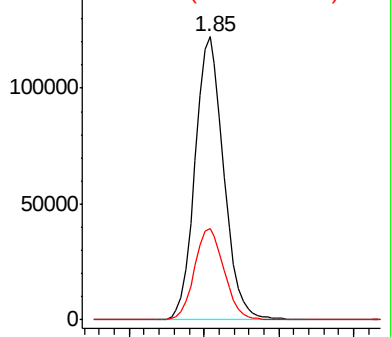
85 100

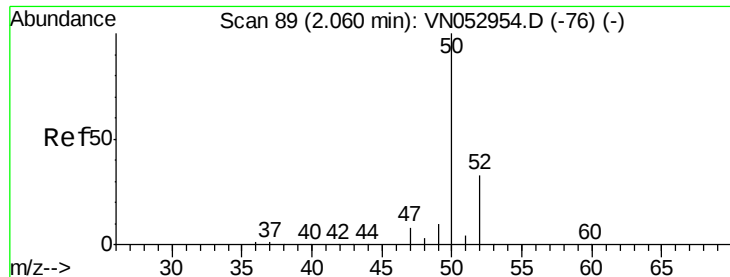
87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN053243.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN053243.D (-1) (-)





#3

Chloromethane

Concen: 17.721 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

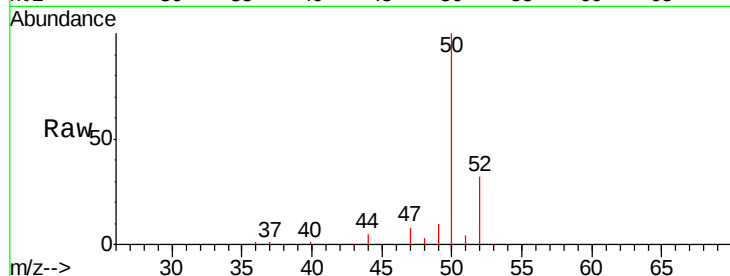
VN0102WBSD02

Tgt Ion: 50 Resp: 196785

Ion Ratio Lower Upper

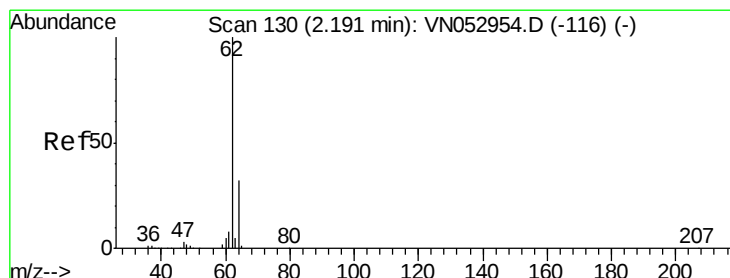
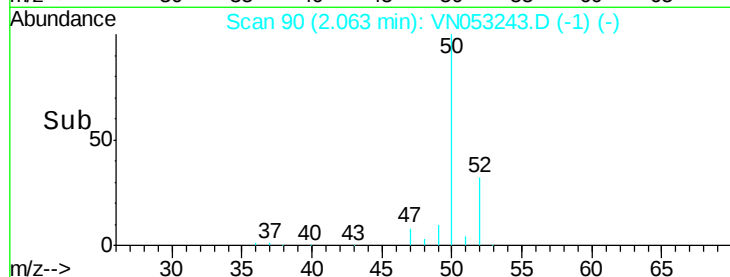
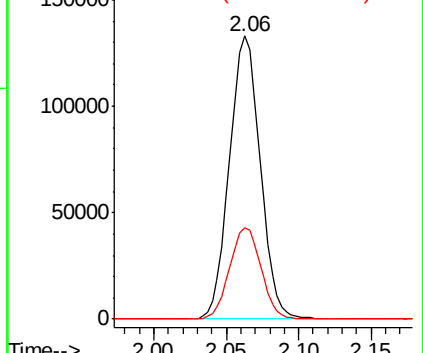
50 100

52 32.4 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.739 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053243.D

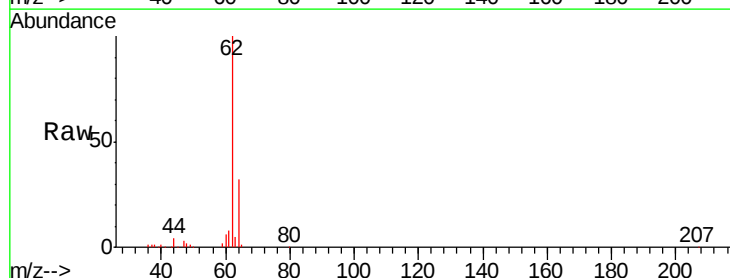
Acq: 2 Jan 2019 12:51

Tgt Ion: 62 Resp: 210742

Ion Ratio Lower Upper

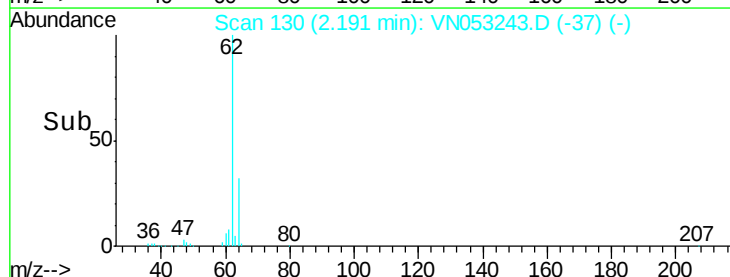
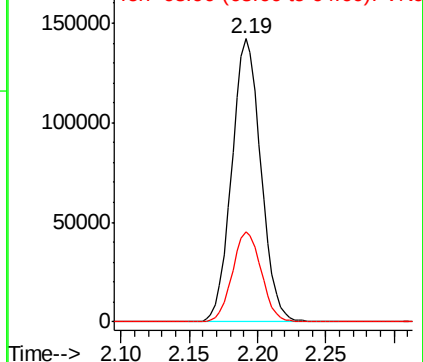
62 100

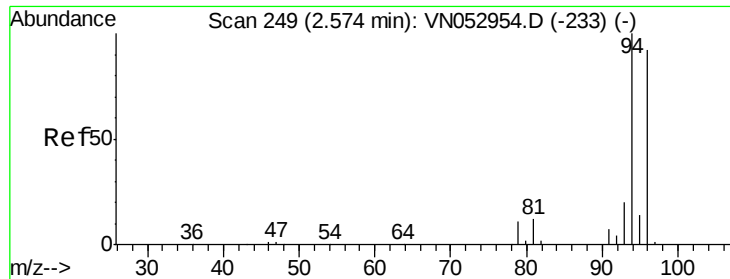
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.003 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

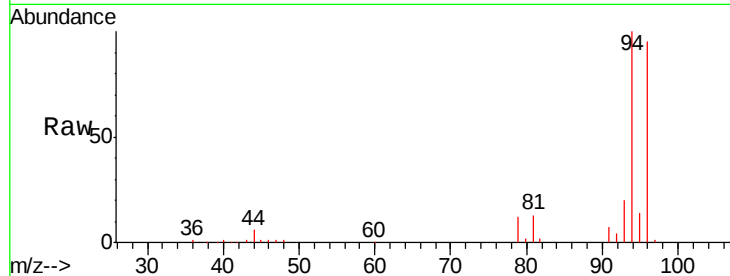
VN0102WBSD02

Tgt Ion: 94 Resp: 140274

Ion Ratio Lower Upper

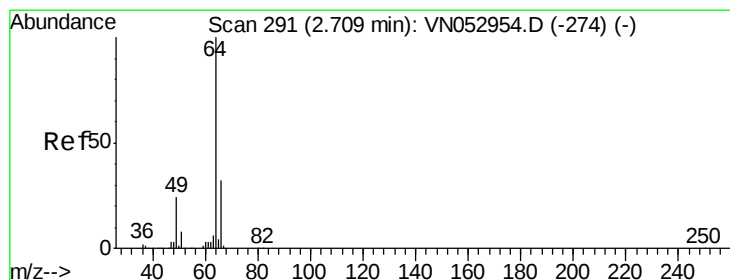
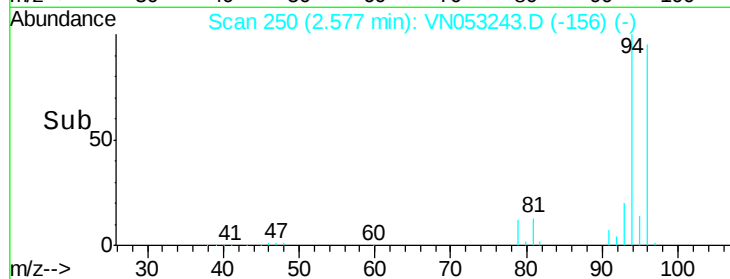
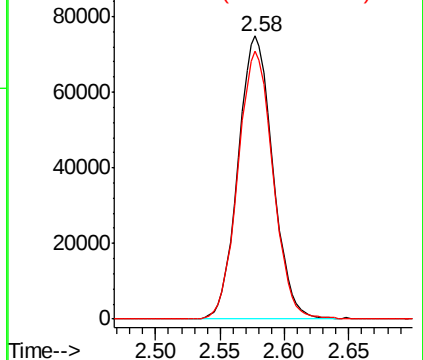
94 100

96 94.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.566 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053243.D

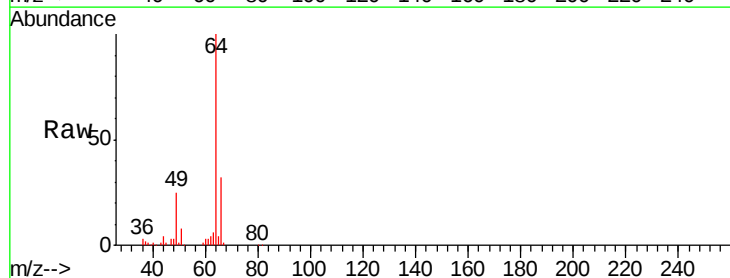
Acq: 2 Jan 2019 12:51

Tgt Ion: 64 Resp: 130325

Ion Ratio Lower Upper

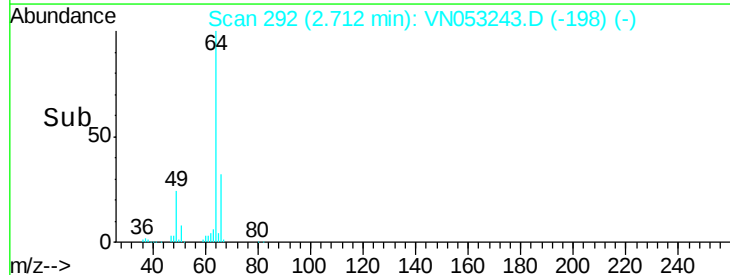
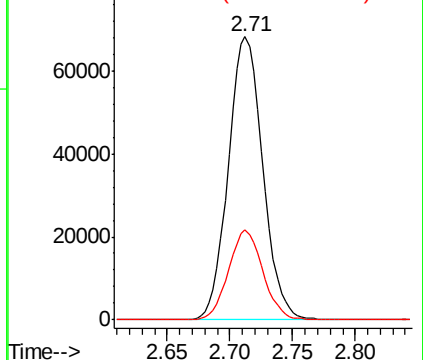
64 100

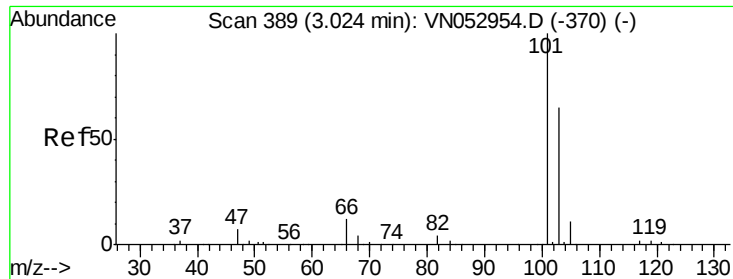
66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



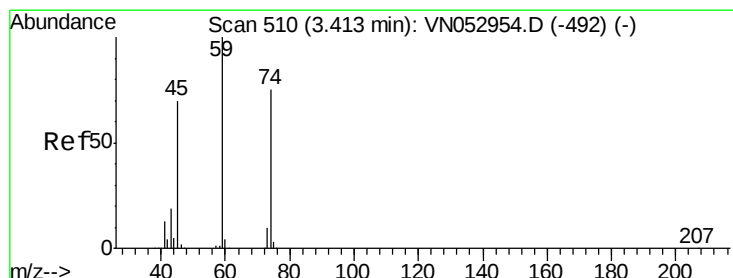
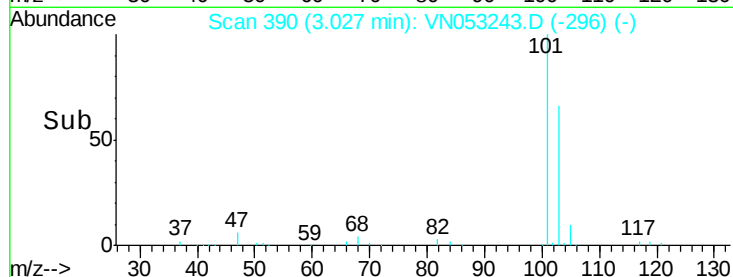
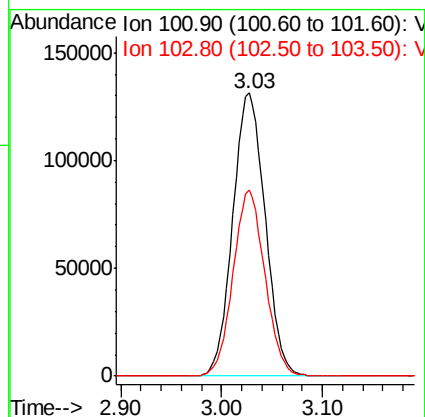
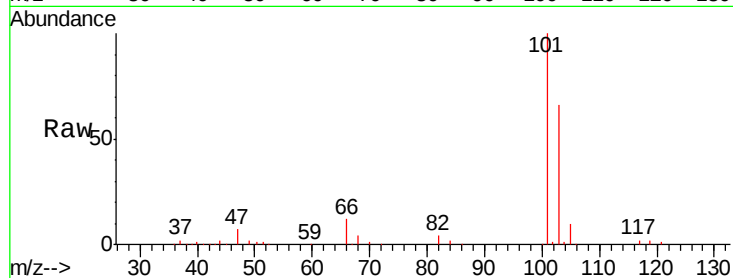


#7

Trichlorofluoromethane
Concen: 20.910 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
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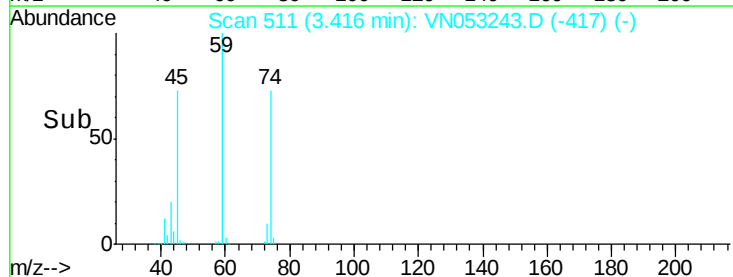
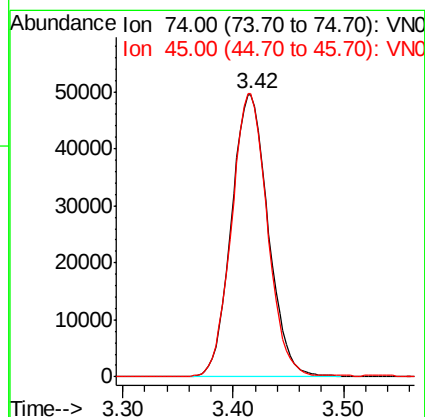
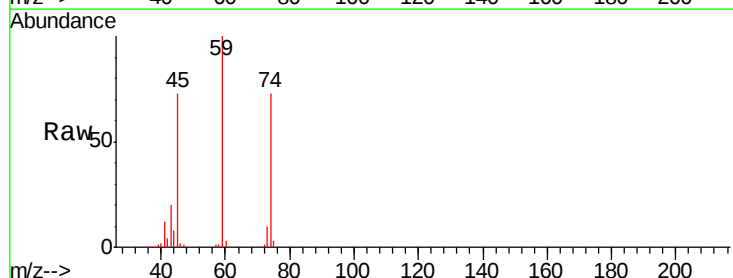
Tgt Ion:101 Resp: 292946
Ion Ratio Lower Upper
101 100
103 65.9 51.8 77.6

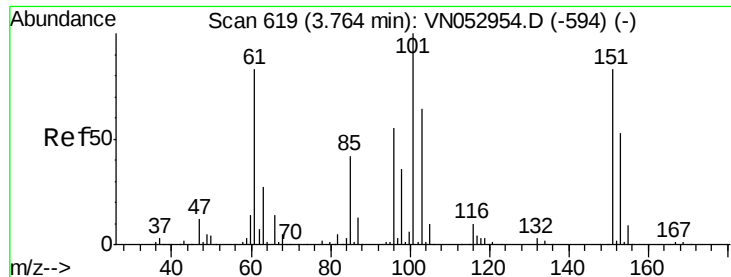


#8

Diethyl Ether
Concen: 21.641 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 74 Resp: 114380
Ion Ratio Lower Upper
74 100
45 97.5 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.221 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

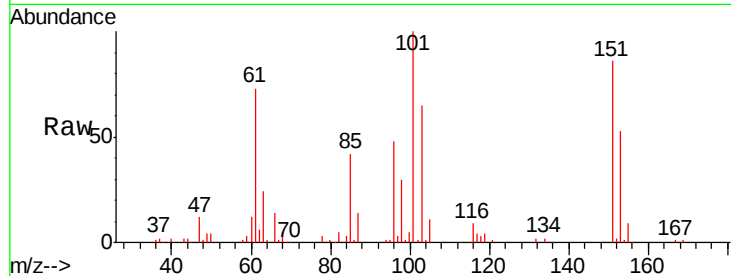
Tgt Ion:101 Resp: 189560

Ion Ratio Lower Upper

101 100

85 42.2 33.6 50.4

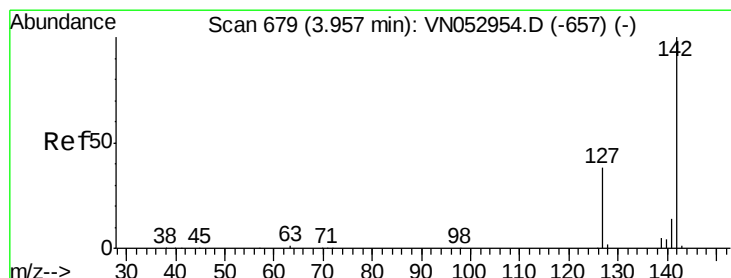
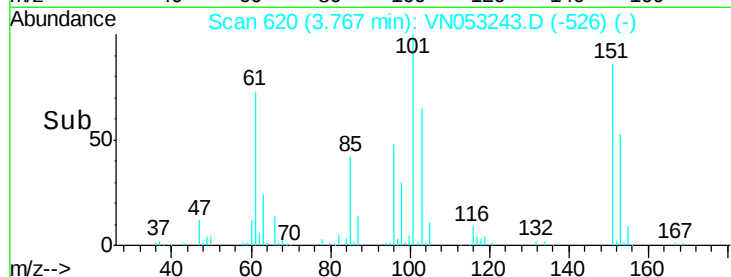
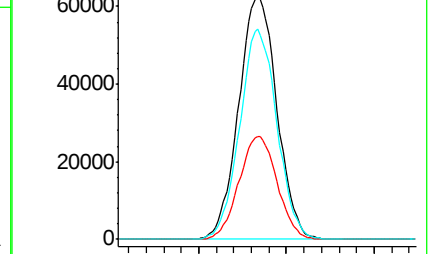
151 84.4 65.5 98.3



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: 19.263 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

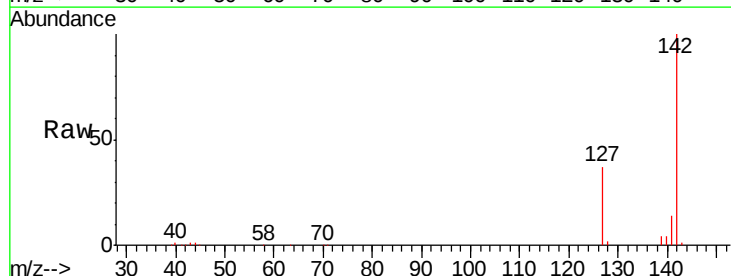
Tgt Ion:142 Resp: 241649

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.6

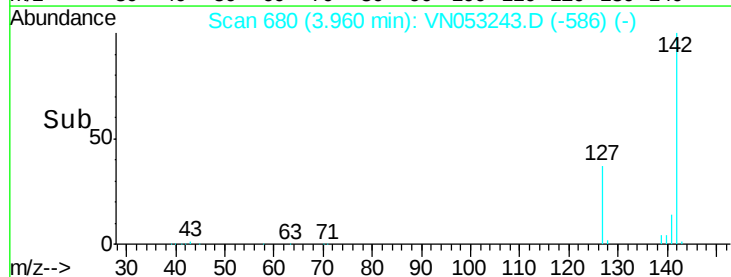
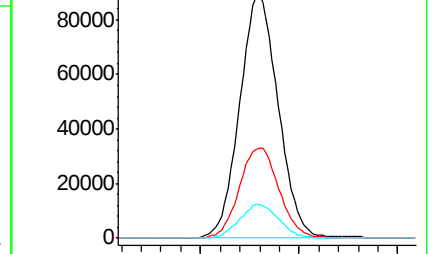
141 14.1 11.2 16.8

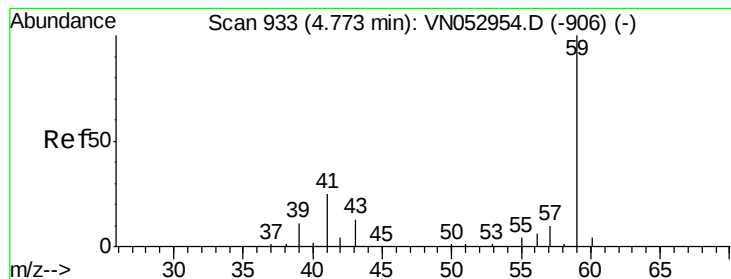


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



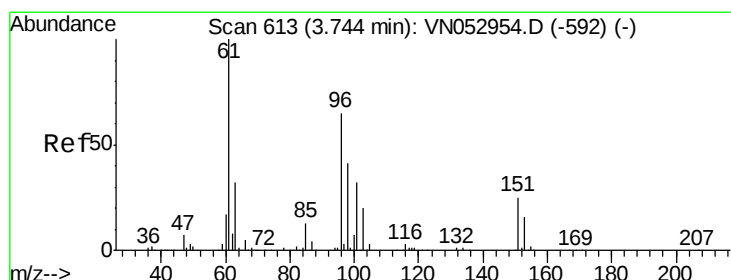
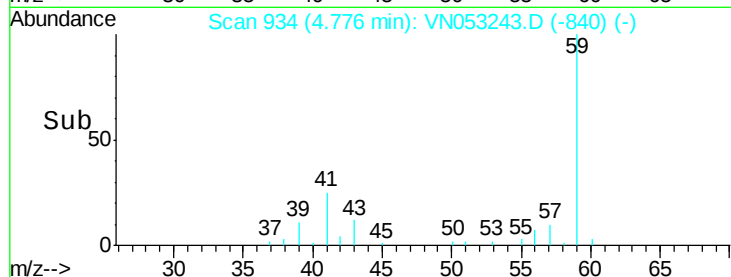
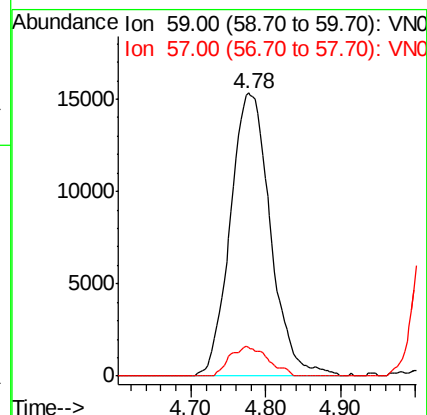
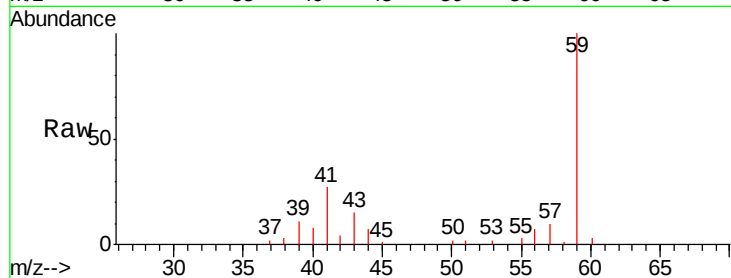


#11

Tert butyl alcohol
 Concen: 101.804 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

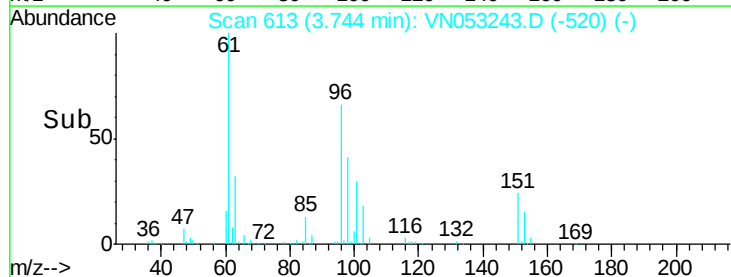
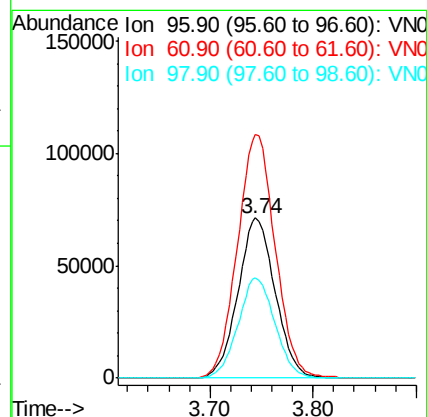
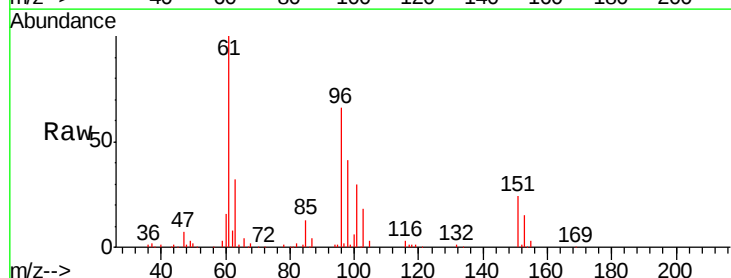
Tgt Ion: 59 Resp: 57076
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.7 11.5

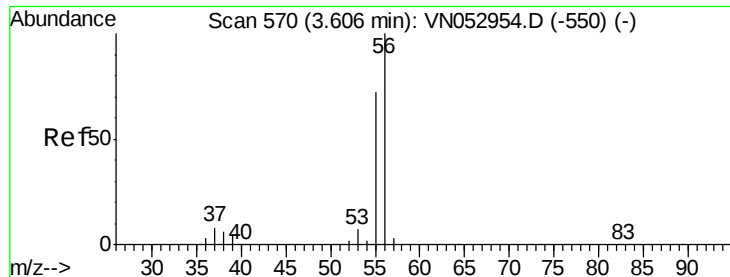


#12

1,1-Dichloroethene
 Concen: 20.683 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion: 96 Resp: 178493
 Ion Ratio Lower Upper
 96 100
 61 152.2 125.6 188.4
 98 62.9 50.6 75.8

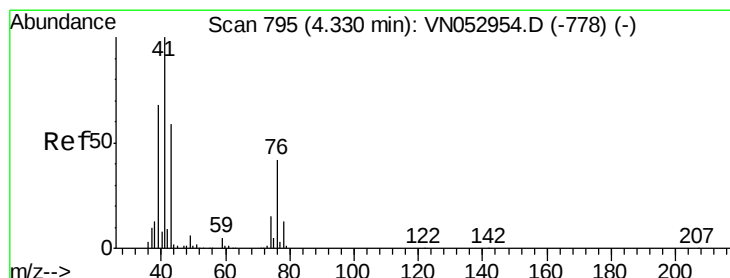
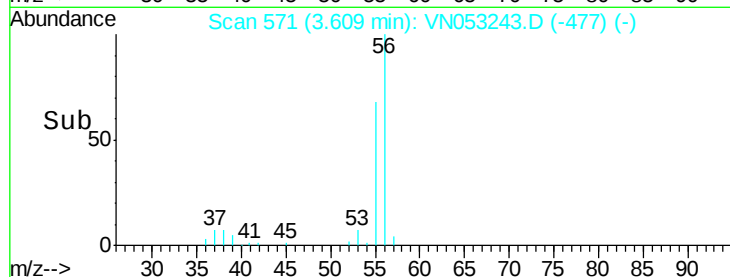
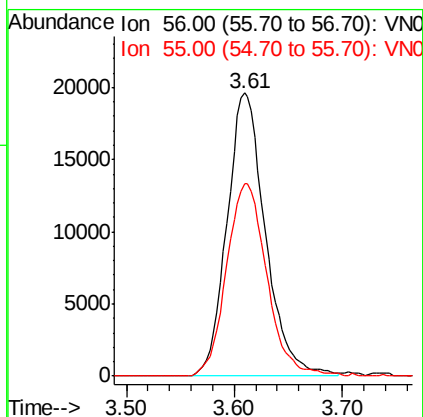
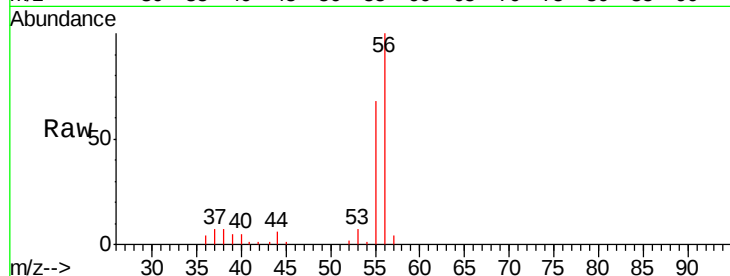




#13
 Acrolein
 Concen: 95.826 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

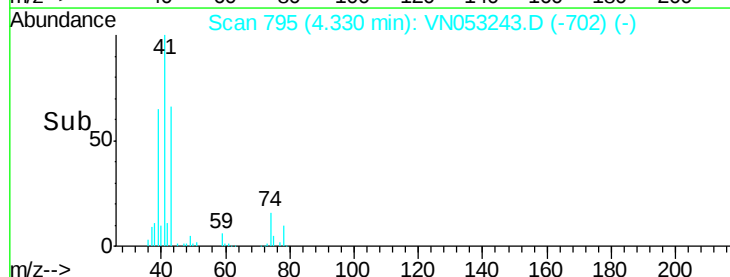
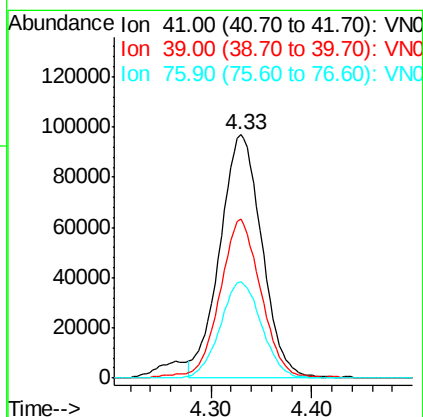
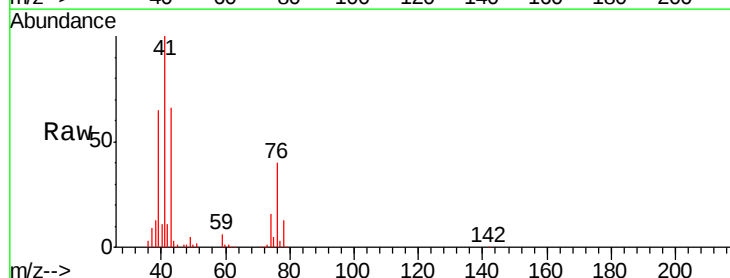
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

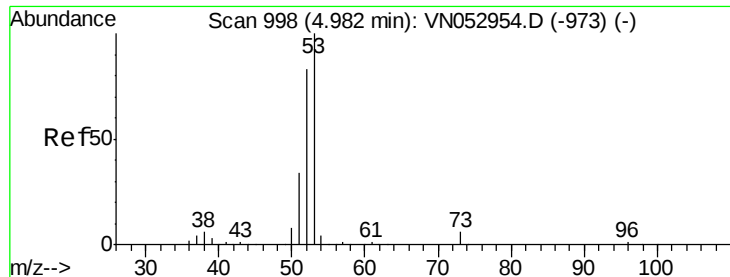
Tgt Ion: 56 Resp: 48714
 Ion Ratio Lower Upper
 56 100
 55 71.3 56.6 85.0



#14
 Allyl chloride
 Concen: 20.830 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion: 41 Resp: 278450
 Ion Ratio Lower Upper
 41 100
 39 64.7 54.1 81.1
 76 38.7 30.3 45.5





#15

Acrylonitrile

Concen: 108.560 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0102WBSD02

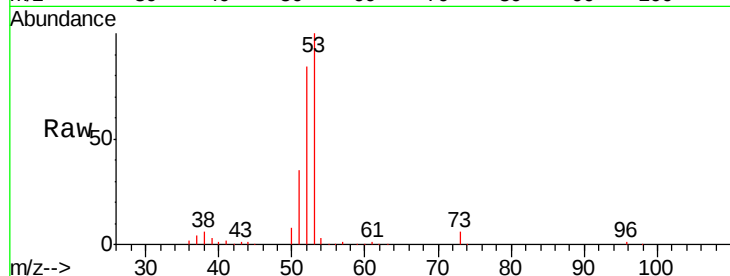
Tgt Ion: 53 Resp: 338128

Ion Ratio Lower Upper

53 100

52 83.5 65.1 97.7

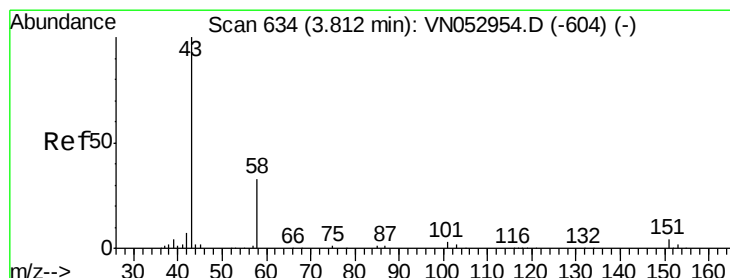
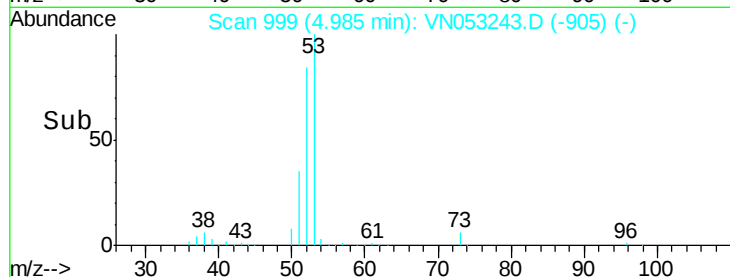
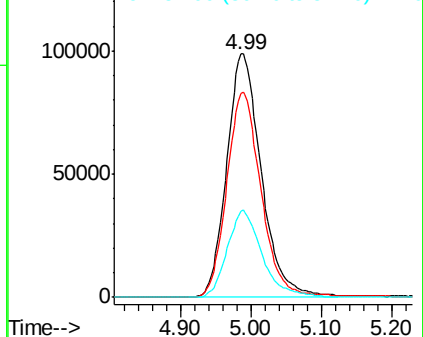
51 35.9 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 125.841 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053243.D

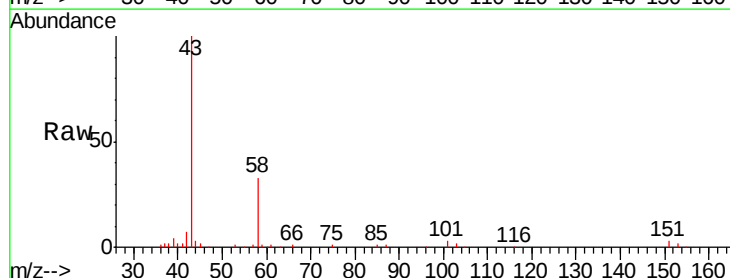
Acq: 2 Jan 2019 12:51

Tgt Ion: 43 Resp: 226712

Ion Ratio Lower Upper

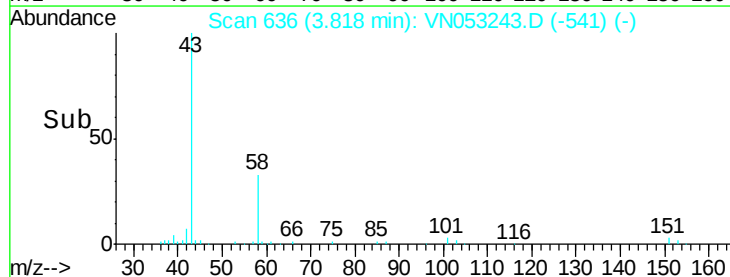
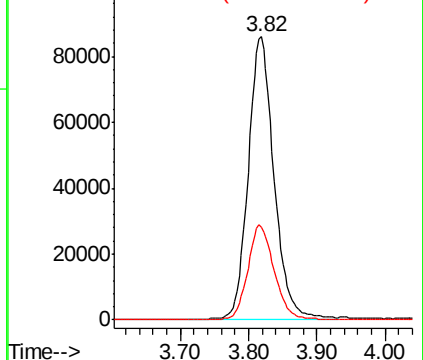
43 100

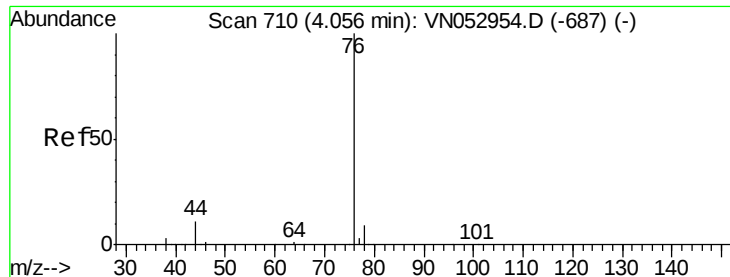
58 32.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

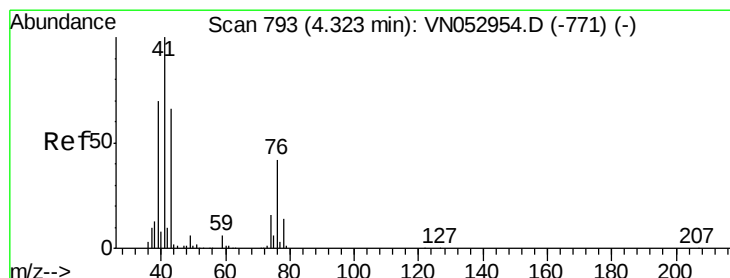
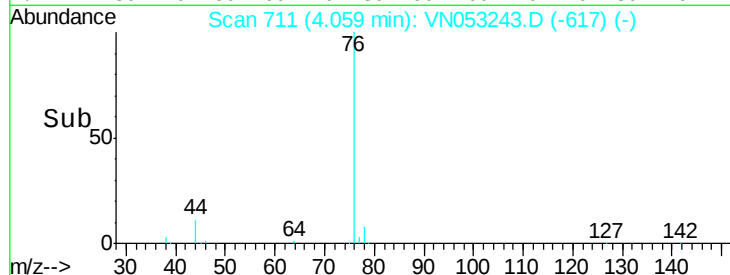
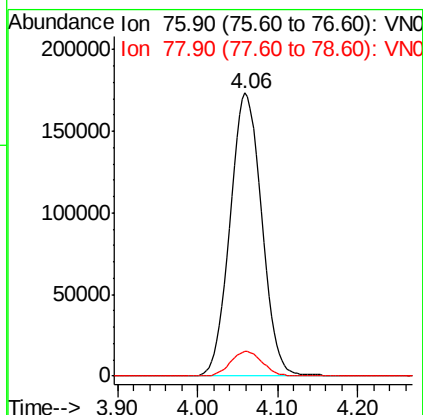
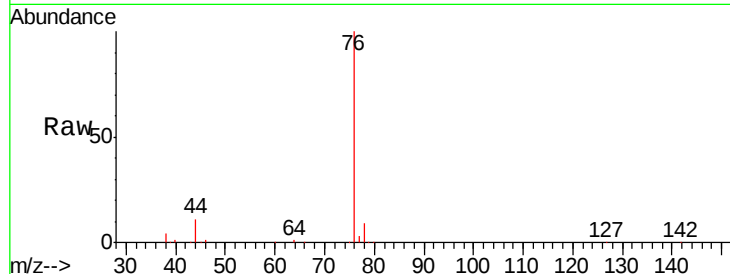




#17
Carbon Disulfide
Concen: 16.552 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

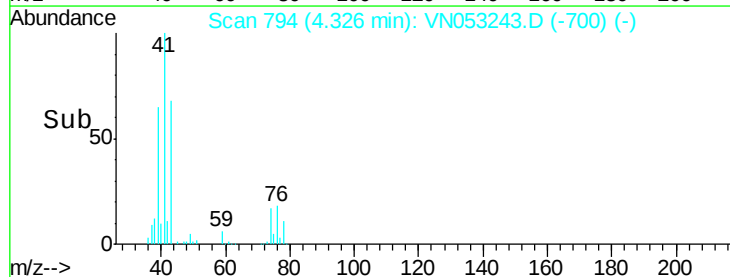
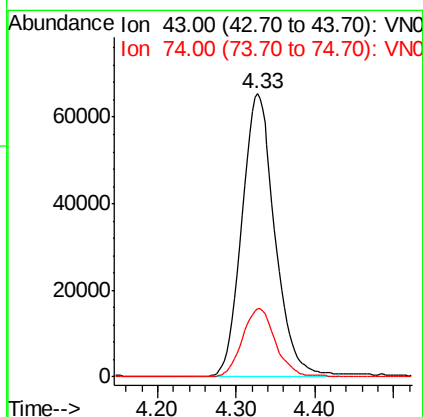
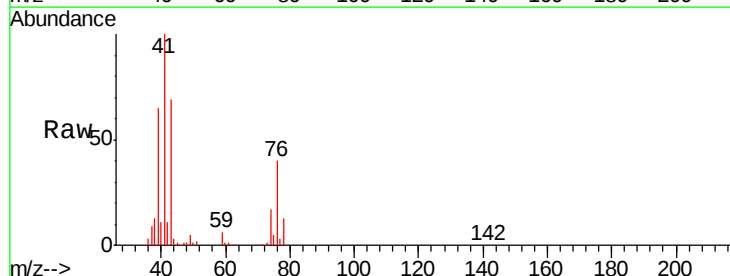
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

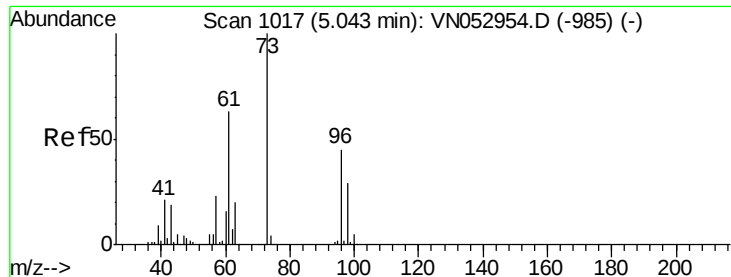
Tgt Ion: 76 Resp: 465839
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 24.226 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 43 Resp: 193824
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 22.274 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

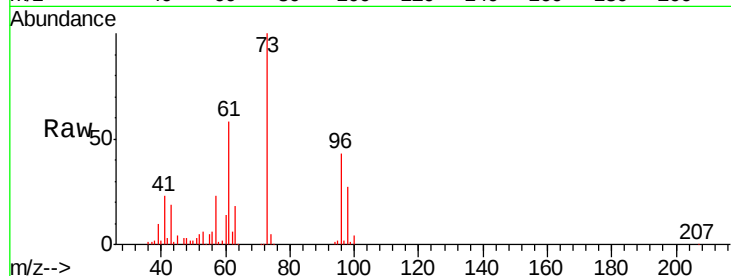
VN0102WBSD02

Tgt Ion: 73 Resp: 514414

Ion Ratio Lower Upper

73 100

57 23.2 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

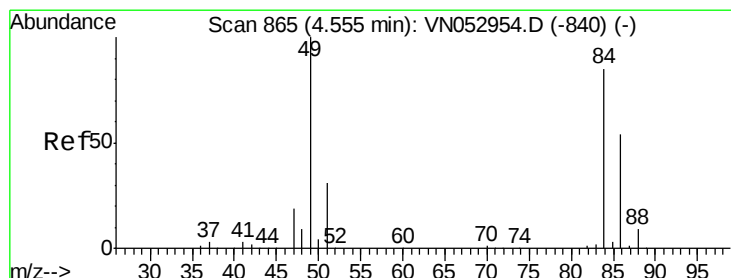
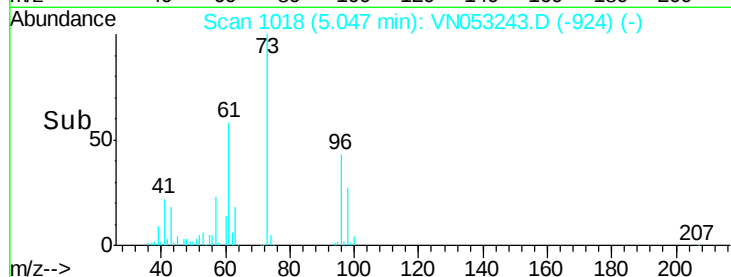
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 20.792 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Tgt Ion: 84 Resp: 204327

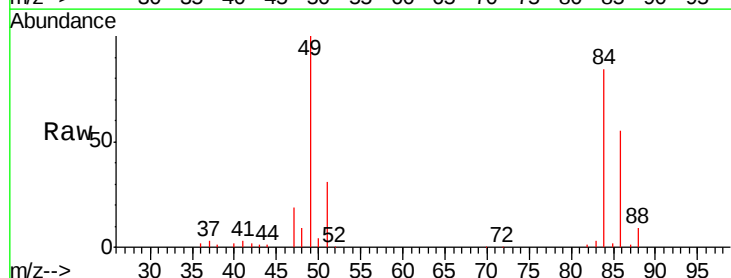
Ion Ratio Lower Upper

84 100

49 118.5 96.8 145.2

51 37.3 29.9 44.9

86 64.8 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

120000

100000

80000

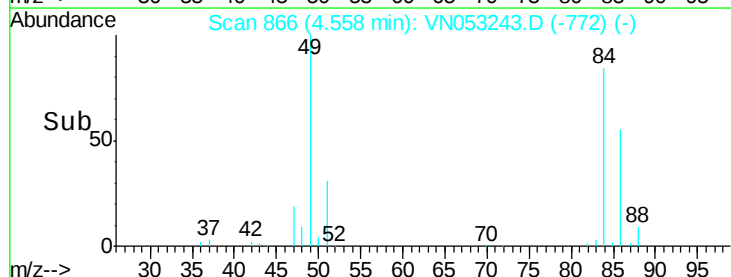
60000

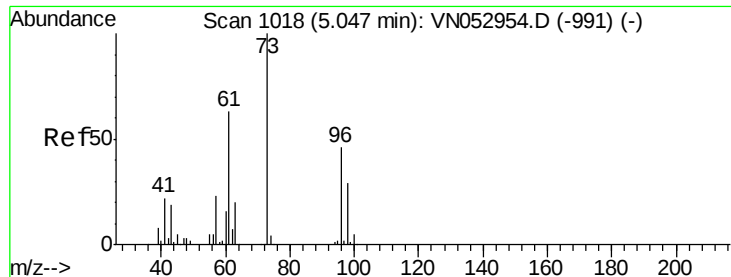
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 20.358 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0102WBSD02

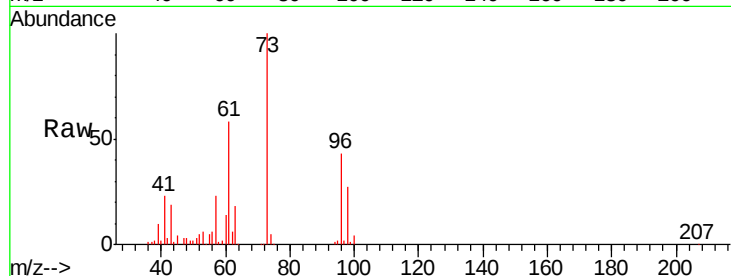
Tgt Ion: 96 Resp: 188766

Ion Ratio Lower Upper

96 100

61 135.9 110.8 166.2

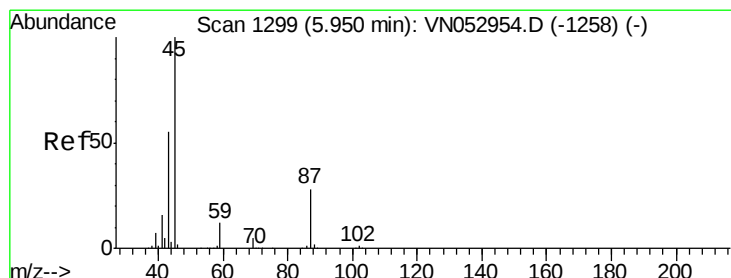
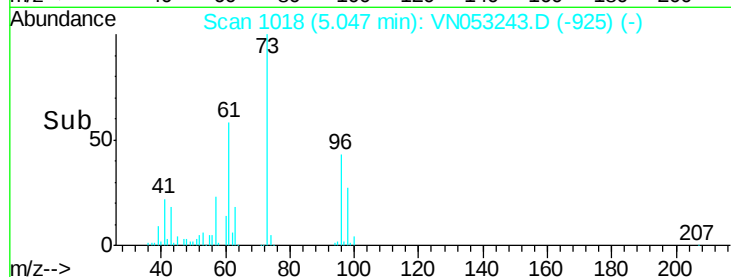
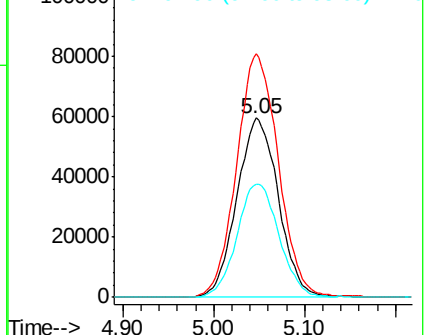
98 63.2 51.4 77.2



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: 22.708 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Tgt Ion: 45 Resp: 647945

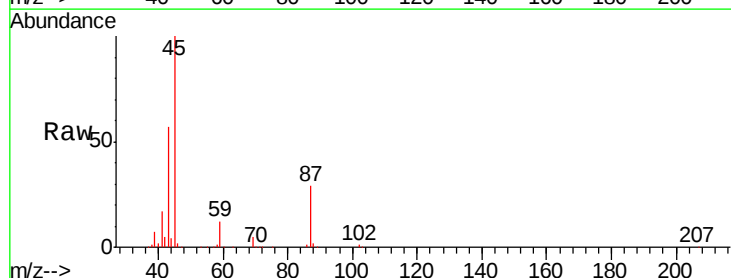
Ion Ratio Lower Upper

45 100

43 56.4 45.5 68.3

87 28.8 22.0 33.0

59 11.8 9.4 14.0

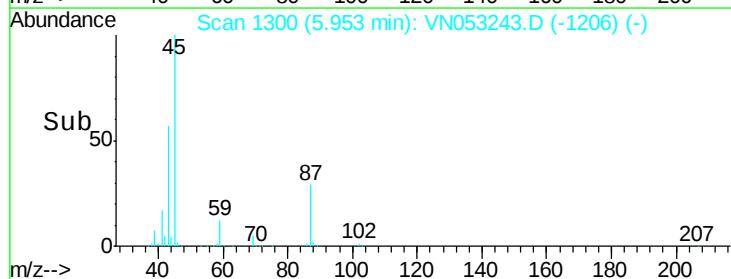
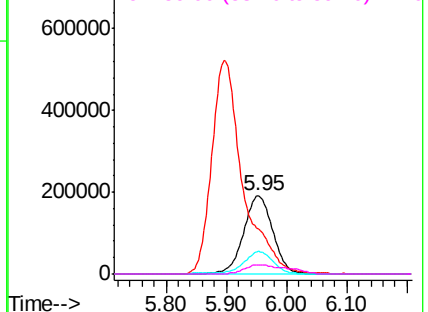


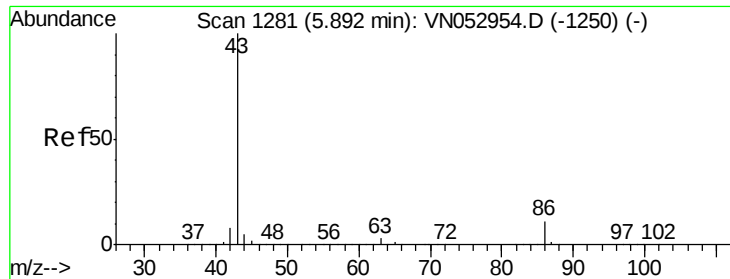
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 113.283 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

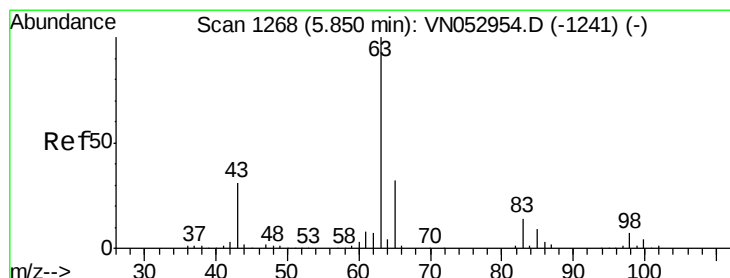
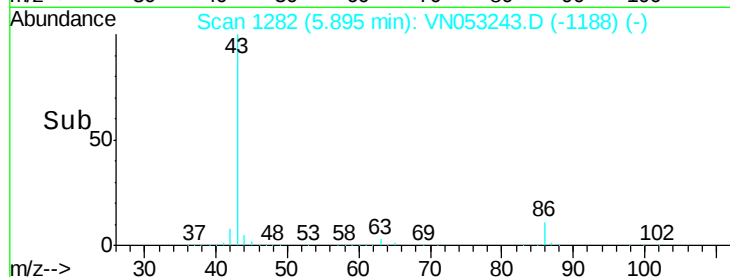
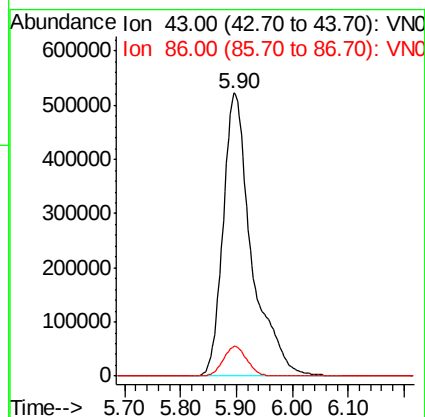
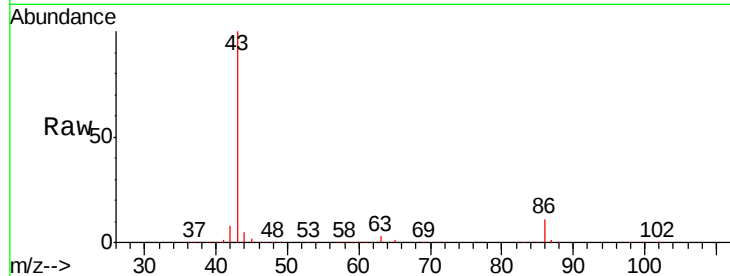
VN0102WBSD02

Tgt Ion: 43 Resp: 1858697

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



#24

1,1-Dichloroethane

Concen: 21.934 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

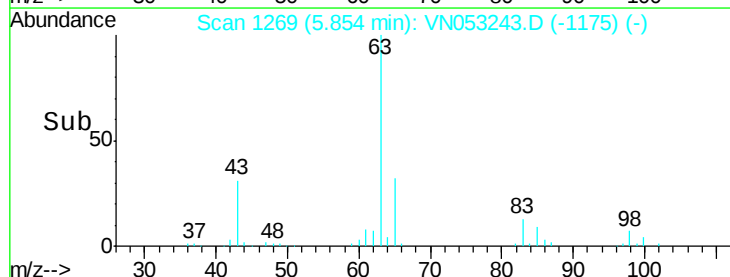
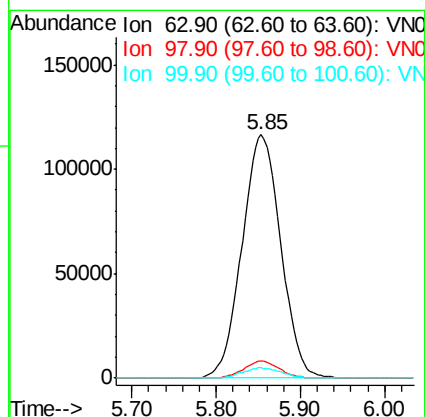
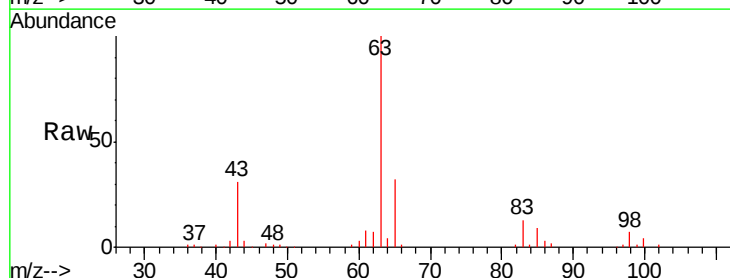
Tgt Ion: 63 Resp: 371895

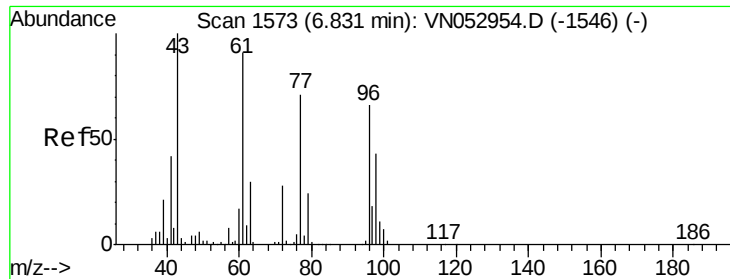
Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

100 4.3 2.0 5.8

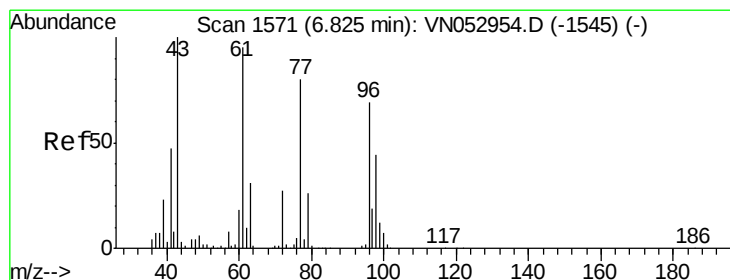
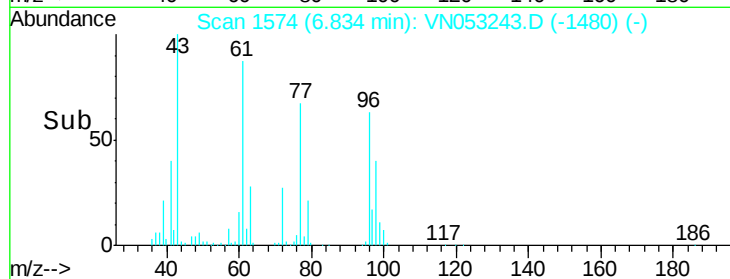
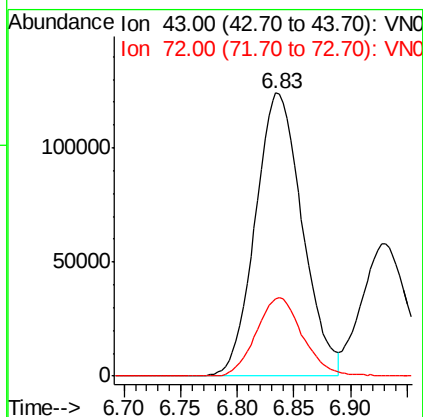
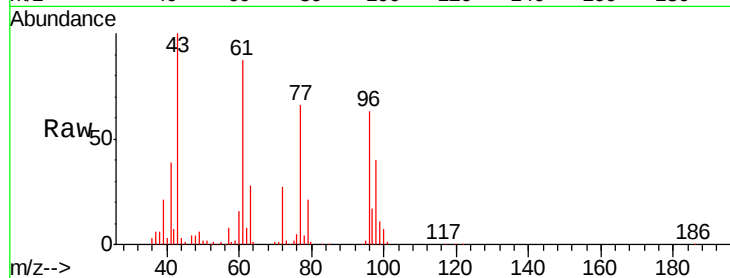




#25
2-Butanone
Concen: 117.857 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

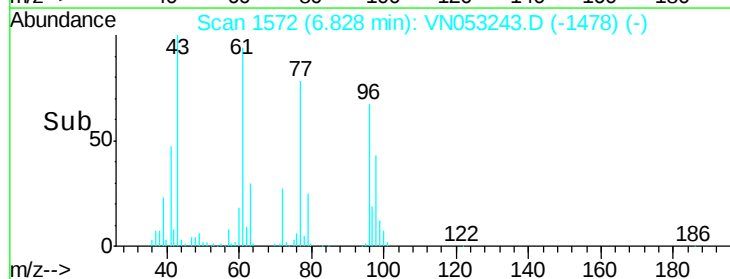
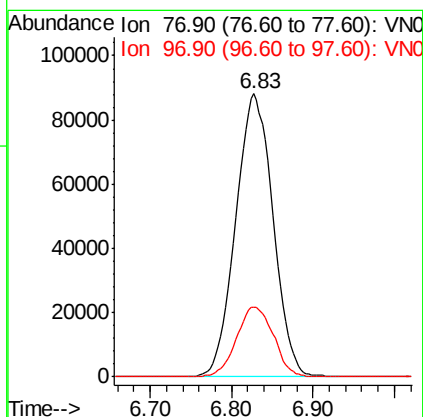
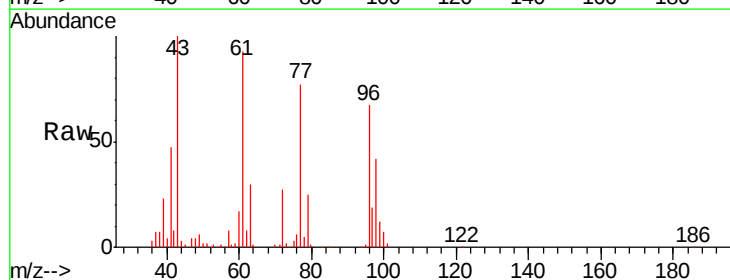
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

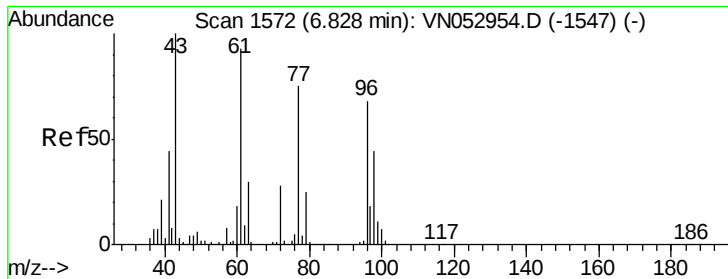
Tgt Ion: 43 Resp: 356338
Ion Ratio Lower Upper
43 100
72 27.4 21.0 31.6



#26
2,2-Dichloropropane
Concen: 21.574 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 77 Resp: 279238
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.403 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

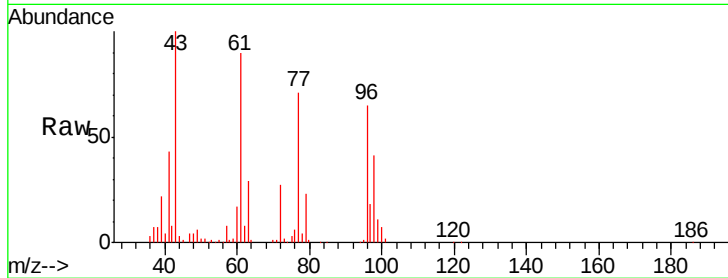
Tgt Ion: 96 Resp: 224676

Ion Ratio Lower Upper

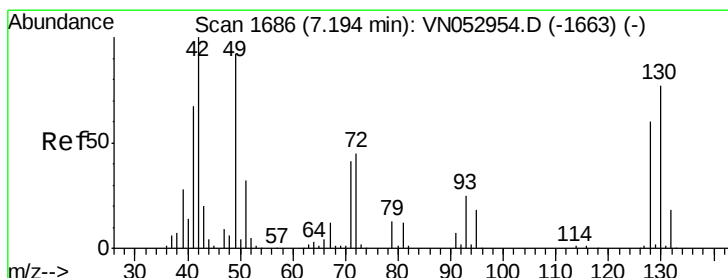
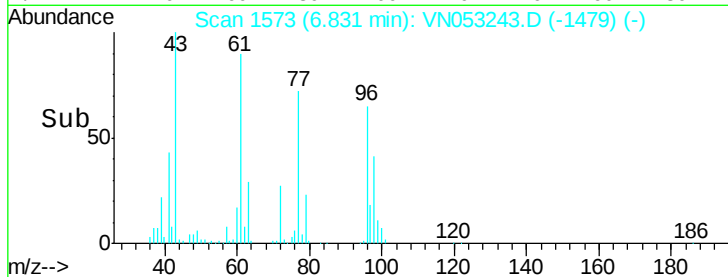
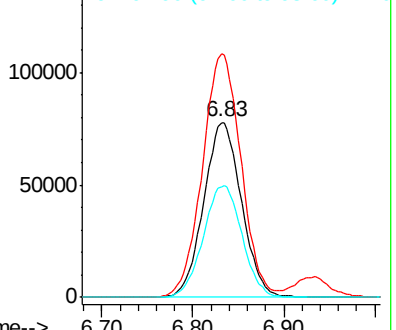
96 100

61 141.6 0.0 284.2

98 65.4 0.0 129.2



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



#28

Bromochloromethane

Concen: 22.015 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

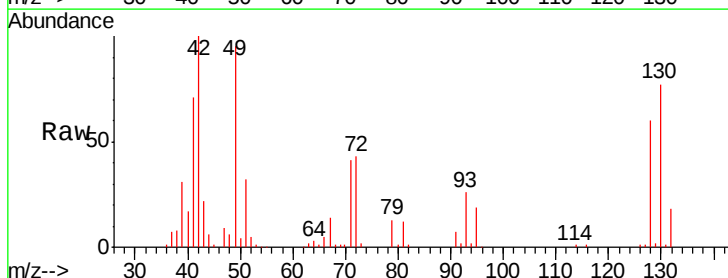
Tgt Ion: 49 Resp: 161747

Ion Ratio Lower Upper

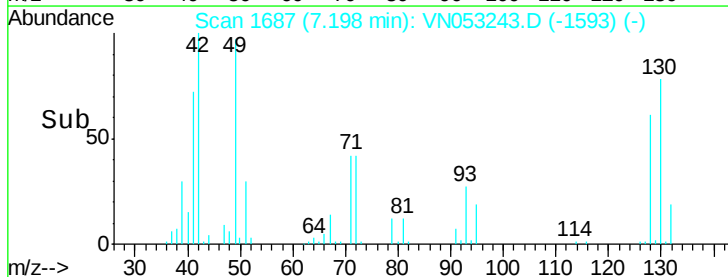
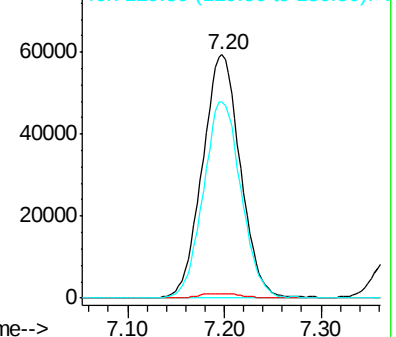
49 100

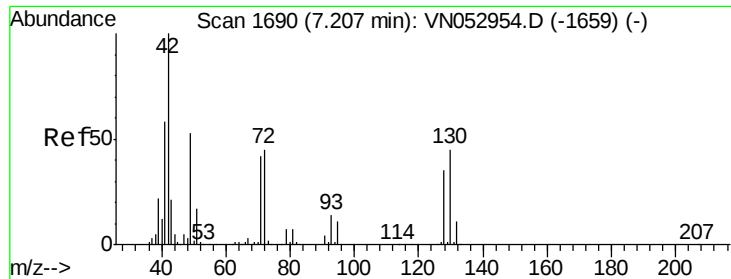
129 1.9 0.0 4.0

130 80.1 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

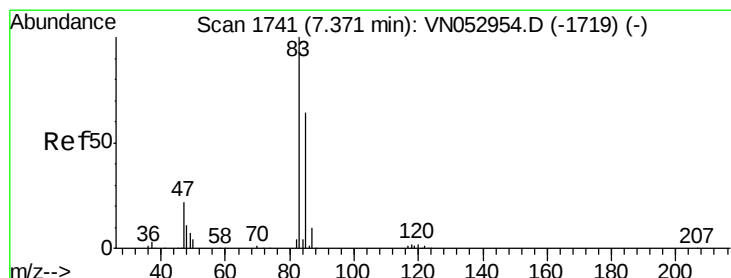
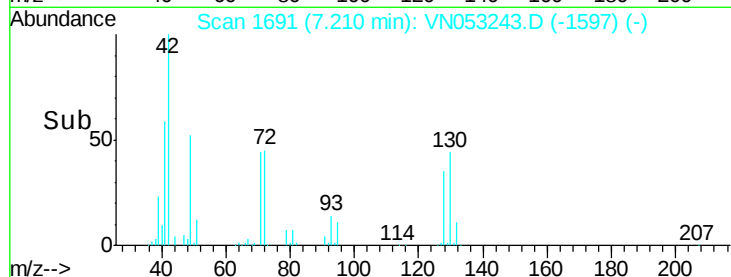
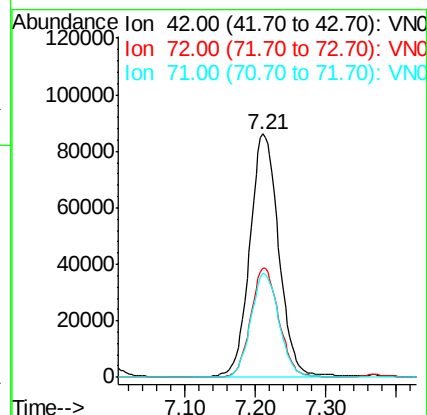
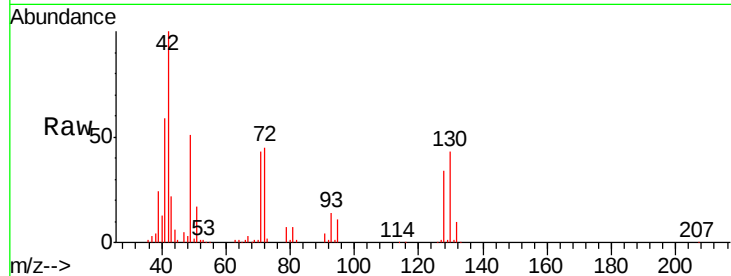




#29
Tetrahydrofuran
Concen: 109.763 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

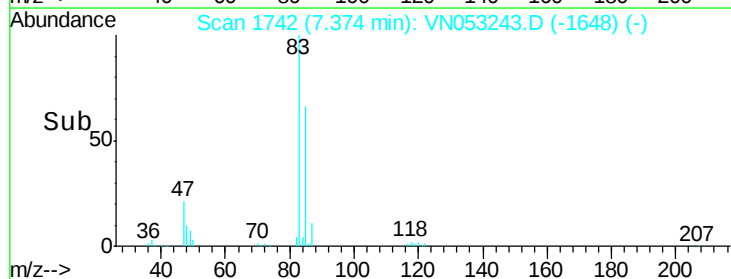
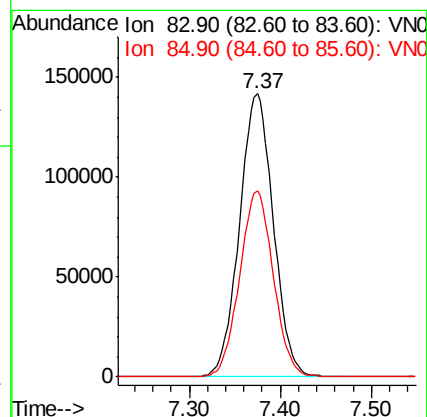
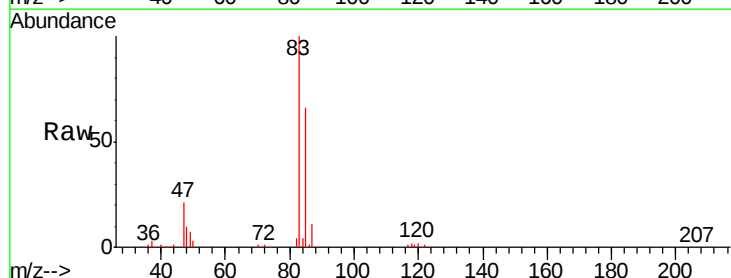
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

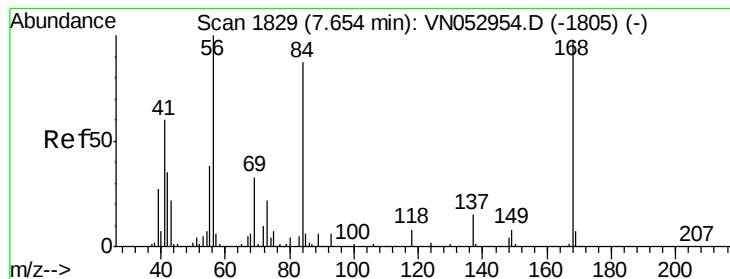
Tgt Ion: 42 Resp: 247862
Ion Ratio Lower Upper
42 100
72 43.6 34.7 52.1
71 41.3 32.3 48.5



#30
Chloroform
Concen: 21.992 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 83 Resp: 366307
Ion Ratio Lower Upper
83 100
85 65.7 52.1 78.1





#31

Cyclohexane

Concen: 20.369 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

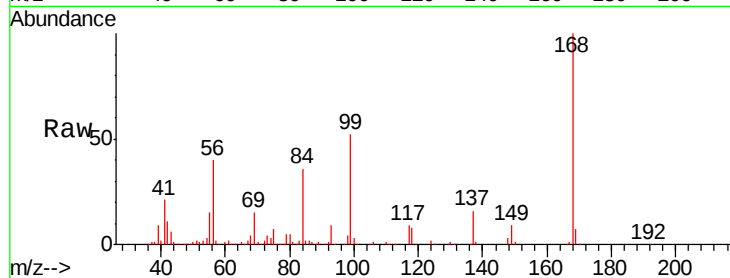
Tgt Ion: 56 Resp: 333816

Ion Ratio Lower Upper

56 100

69 36.8 26.6 39.8

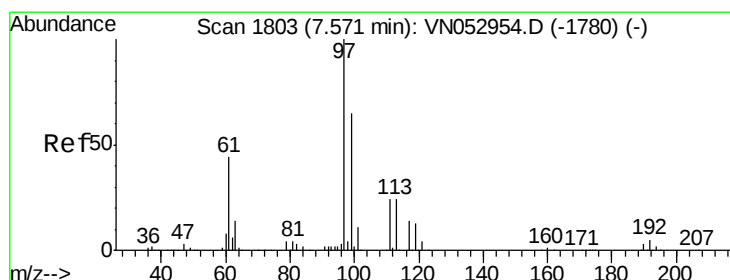
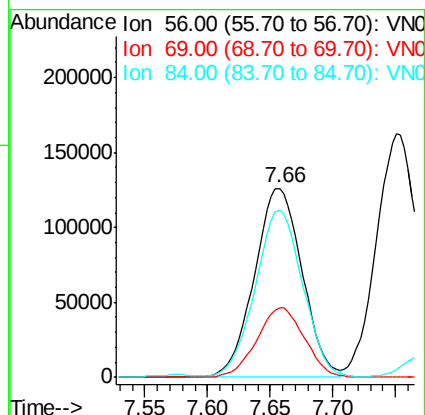
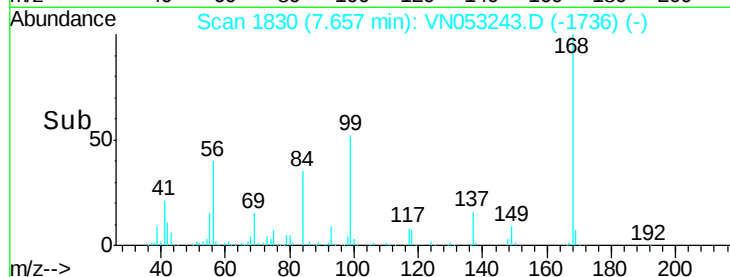
84 87.5 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053243.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053243.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053243.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 21.200 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

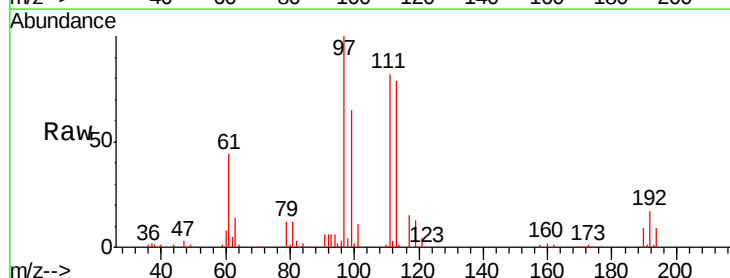
Tgt Ion: 97 Resp: 300800

Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

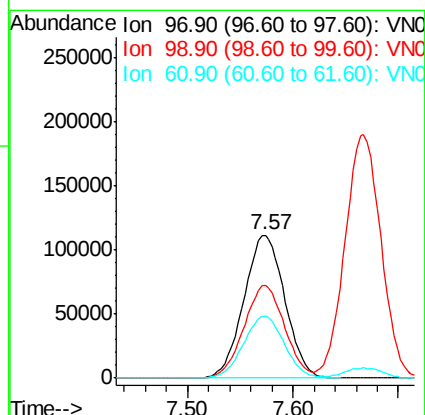
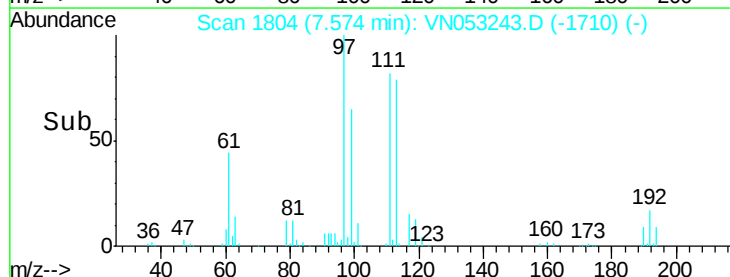
61 43.4 35.0 52.6

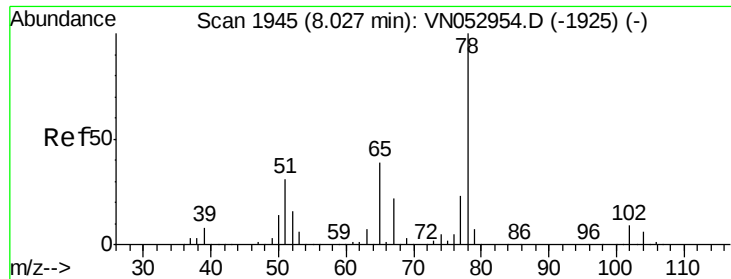


Abundance Ion 96.90 (96.60 to 97.60): VN053243.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053243.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053243.D (-1710) (-)

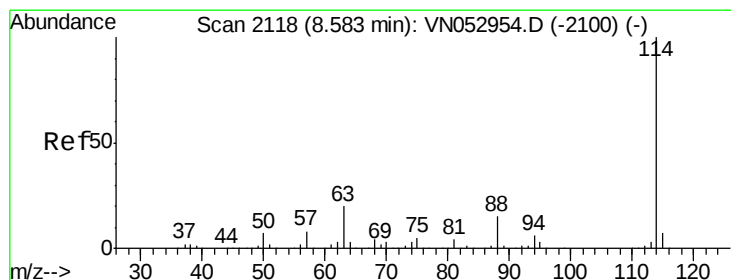
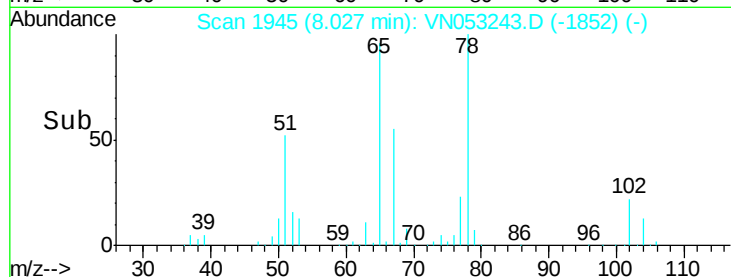
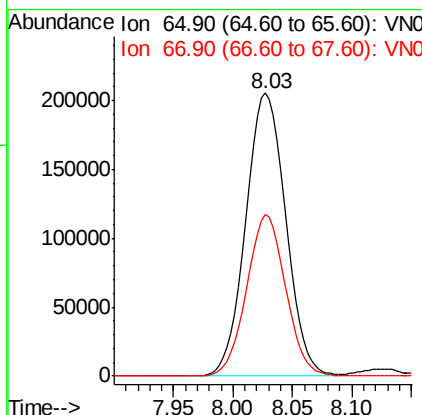
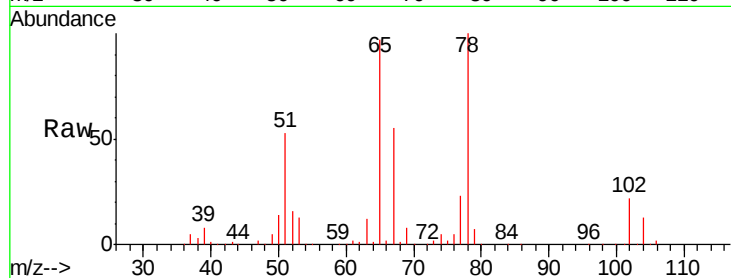




#33
 1,2-Dichloroethane-d4
 Concen: 21.200 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

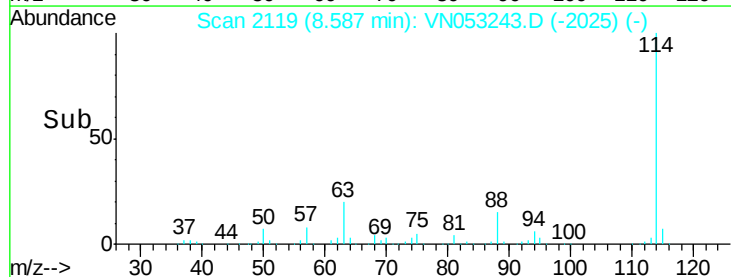
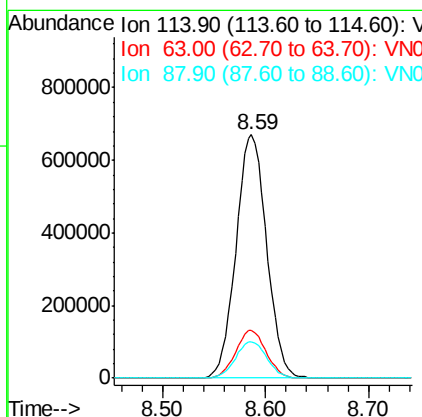
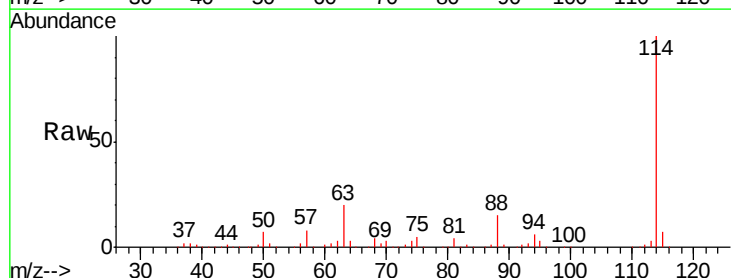
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

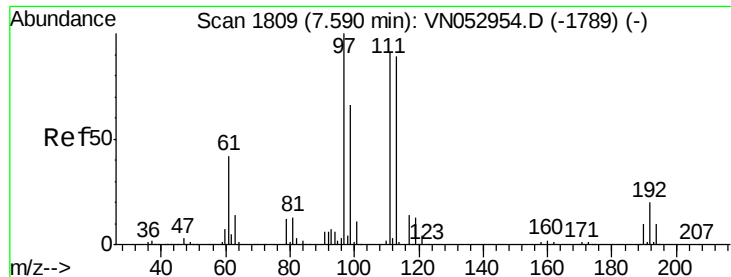
Tgt Ion: 65 Resp: 479257
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion: 114 Resp: 1386376
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.0 0.0 31.0

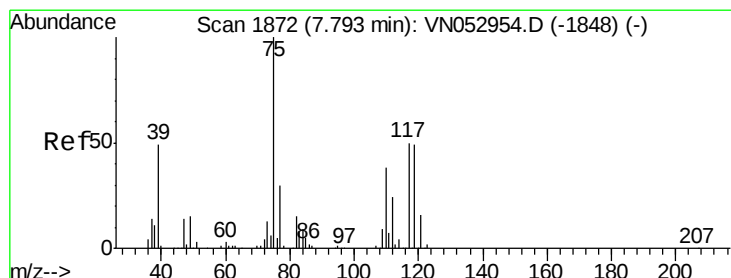
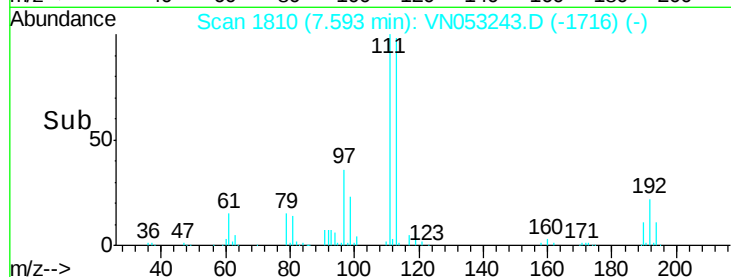
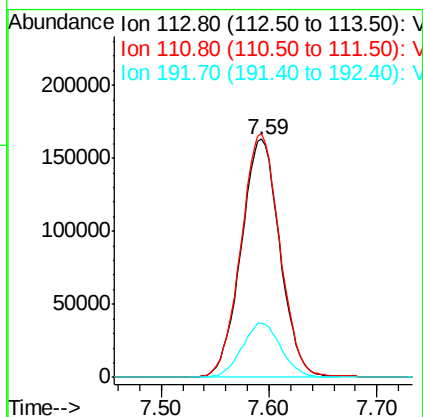
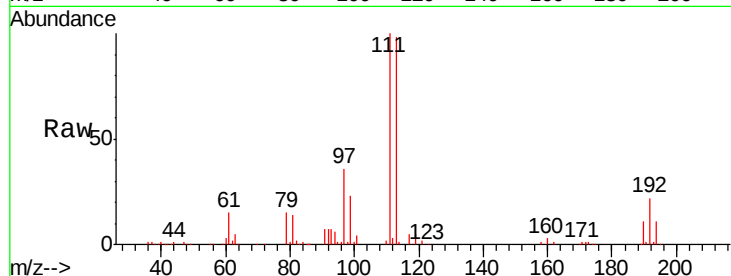




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

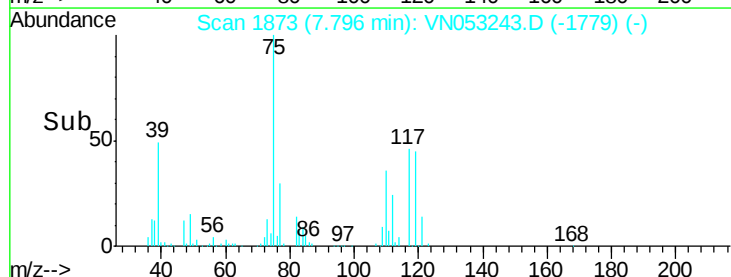
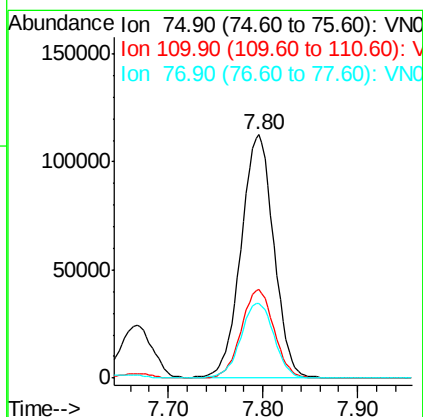
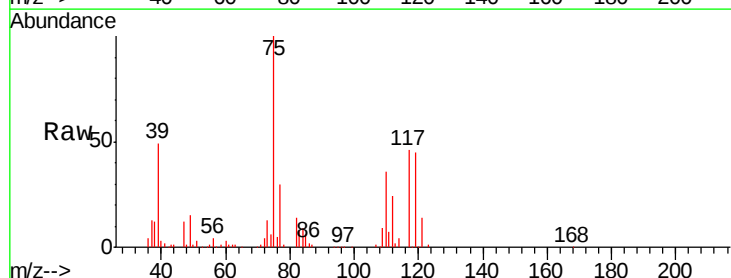
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

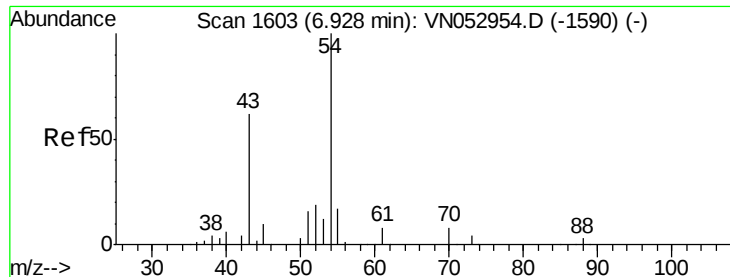
Tgt Ion: 113 Resp: 406704
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.0 124.4
 192 22.9 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 20.292 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion: 75 Resp: 270020
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.2 54.6
 77 31.3 24.9 37.3

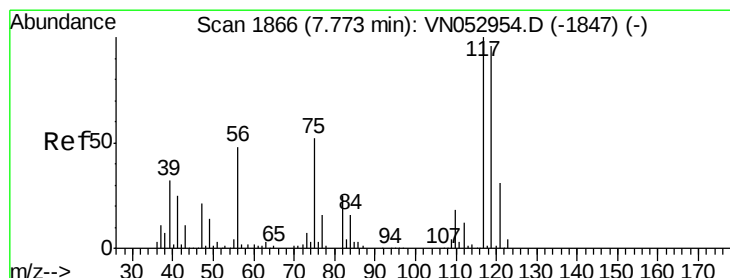
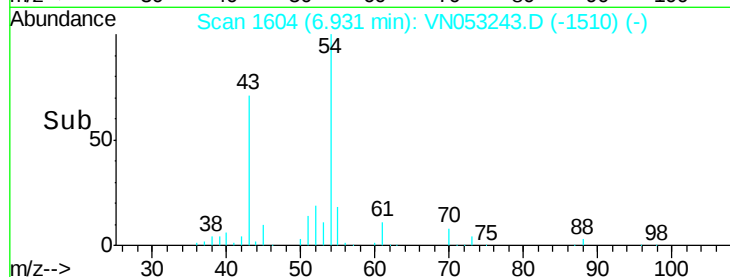
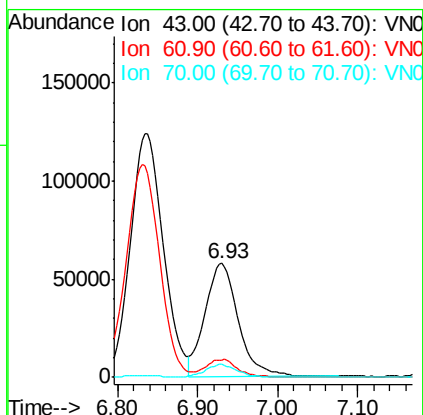
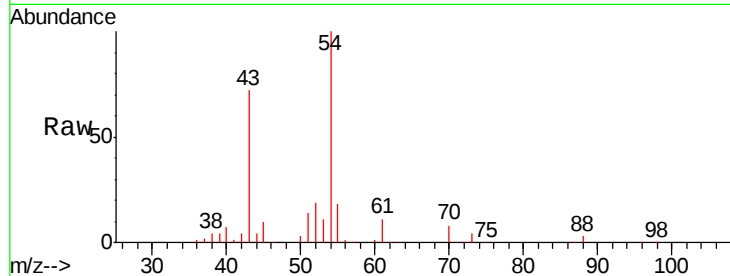




#37
Ethyl Acetate
Concen: 22.489 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

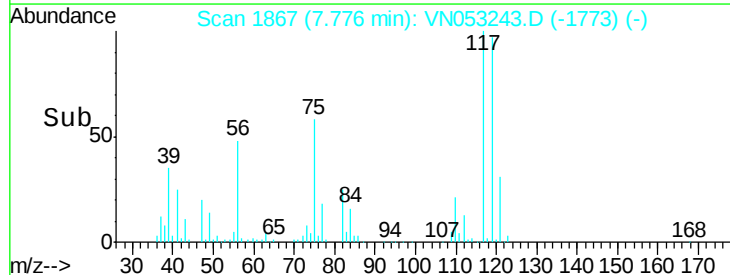
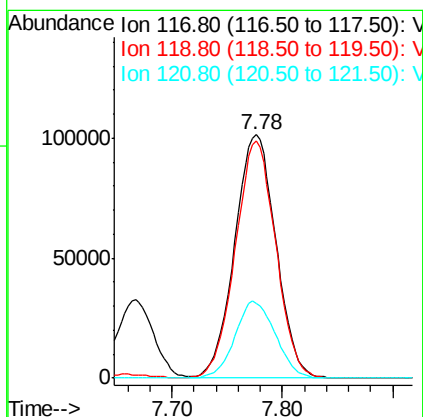
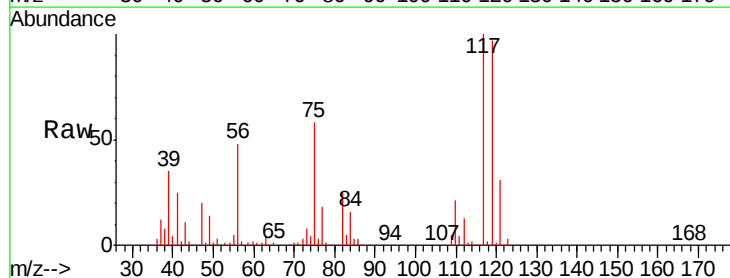
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

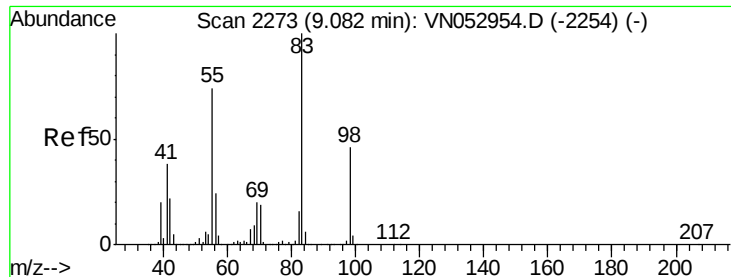
Tgt Ion: 43 Resp: 167061
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 21.433 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 117 Resp: 261420
Ion Ratio Lower Upper
117 100
119 97.3 77.1 115.7
121 31.0 24.9 37.3

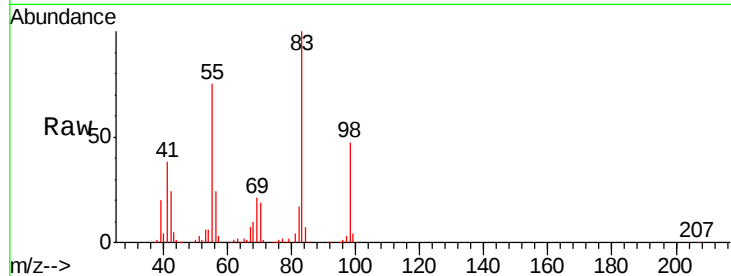




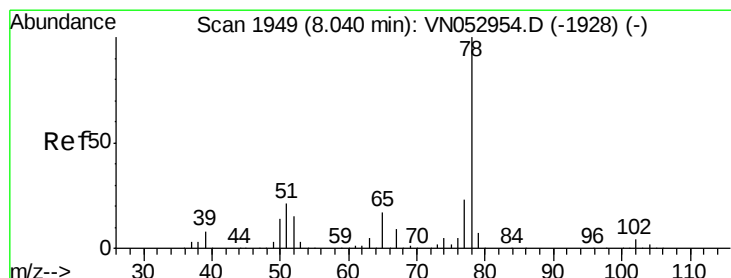
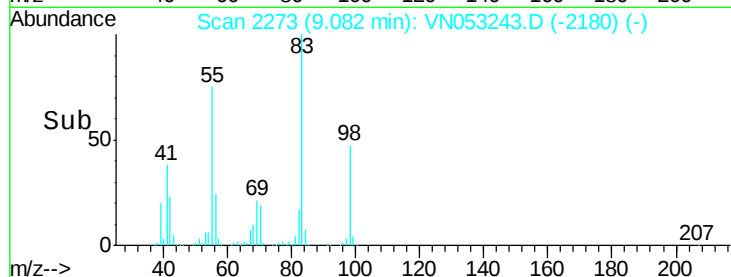
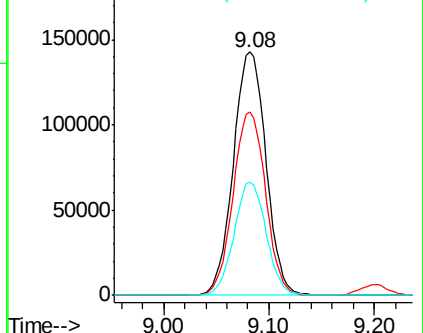
#39
Methylcyclohexane
Concen: 18.996 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

Tgt Ion: 83 Resp: 307064
Ion Ratio Lower Upper
83 100
55 75.3 61.3 91.9
98 46.5 37.0 55.4

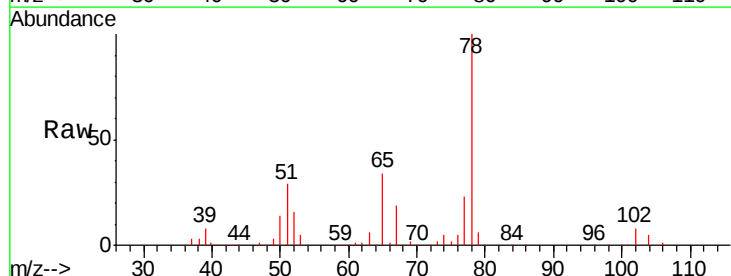


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

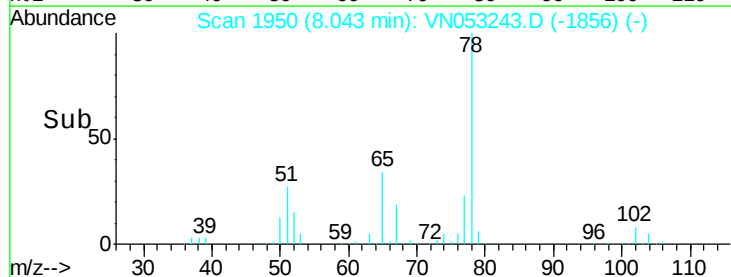
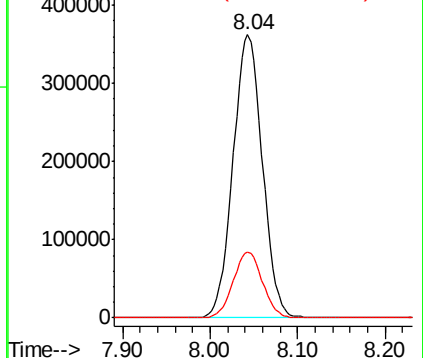


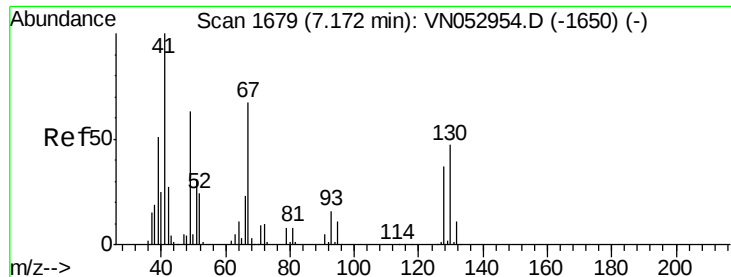
#40
Benzene
Concen: 21.329 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 78 Resp: 844203
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

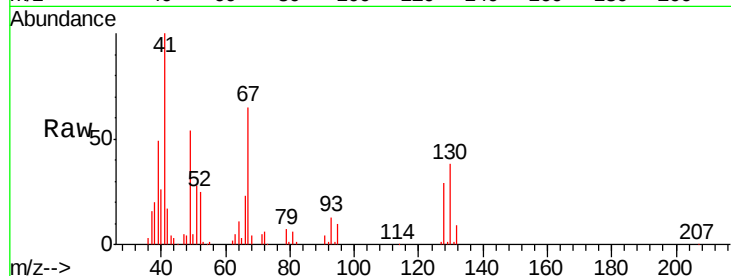




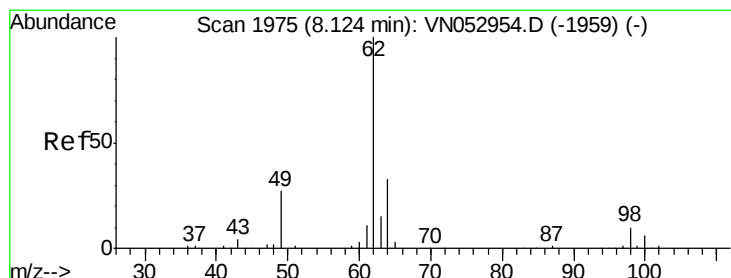
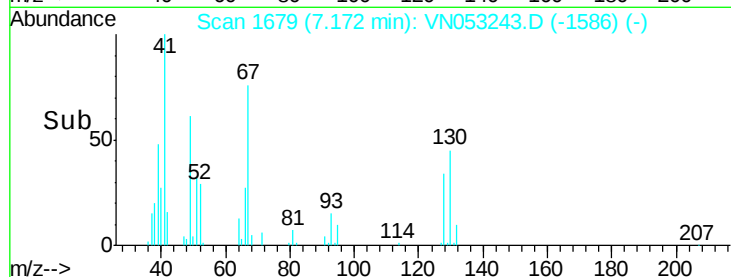
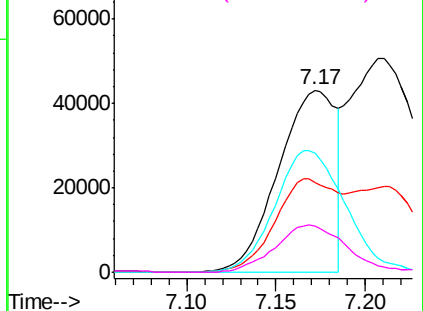
#41
Methacrylonitrile
Concen: 22.590 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

Tgt Ion: 41 Resp: 96958
Ion Ratio Lower Upper
41 100
39 56.0 48.0 72.0
67 82.5 70.3 105.5
52 32.3 26.9 40.3

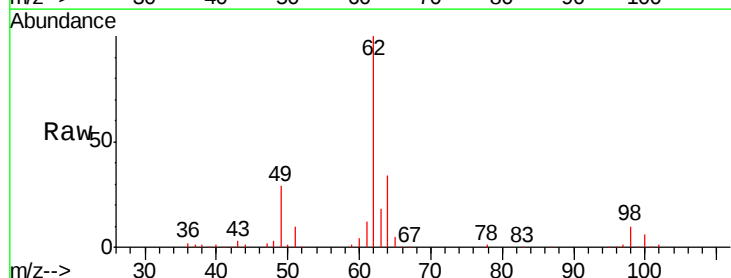


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

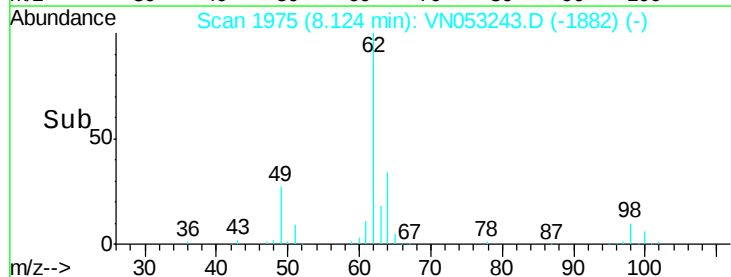
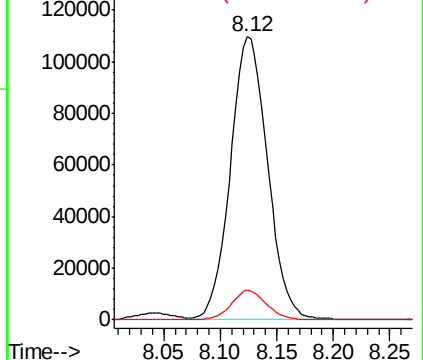


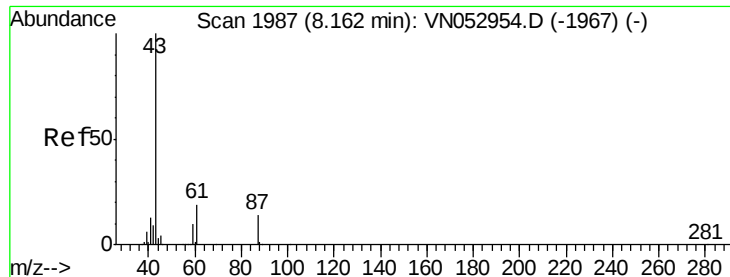
#42
1,2-Dichloroethane
Concen: 21.365 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 62 Resp: 249818
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.328 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

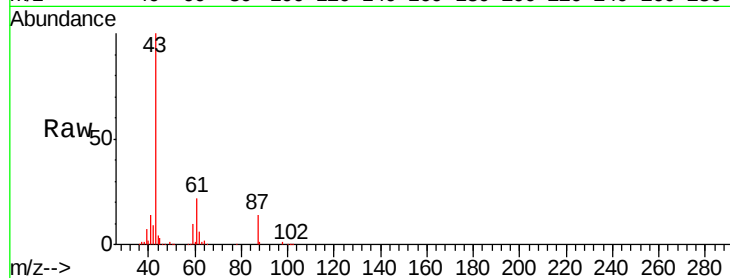
Tgt Ion: 43 Resp: 315210

Ion Ratio Lower Upper

43 100

61 28.7 22.9 34.3

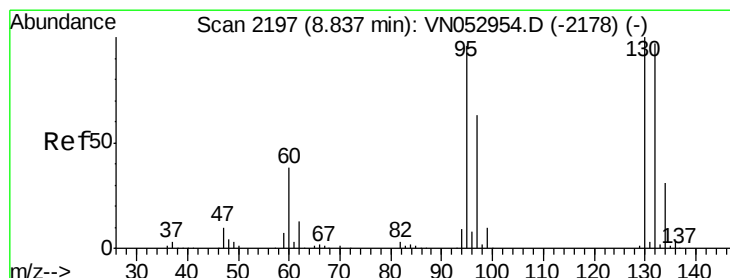
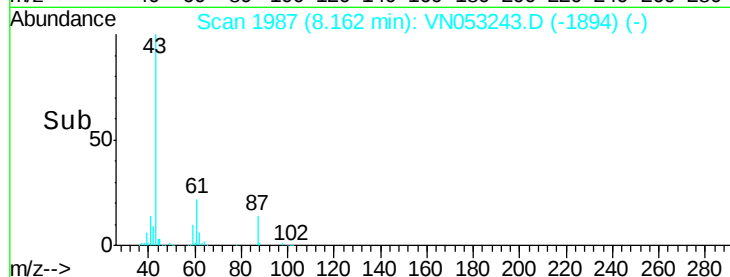
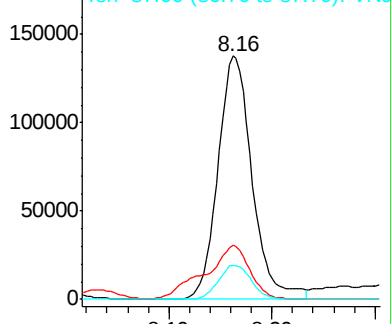
87 13.4 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)



#44

Trichloroethene

Concen: 20.103 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053243.D

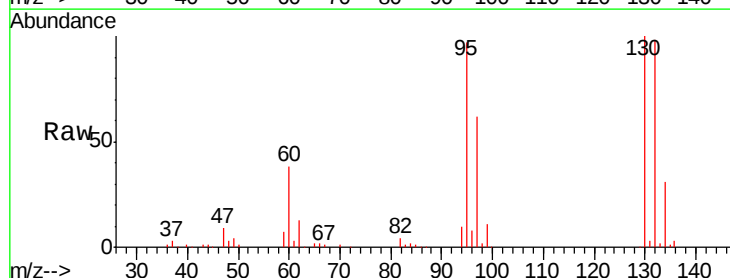
Acq: 2 Jan 2019 12:51

Tgt Ion: 130 Resp: 230150

Ion Ratio Lower Upper

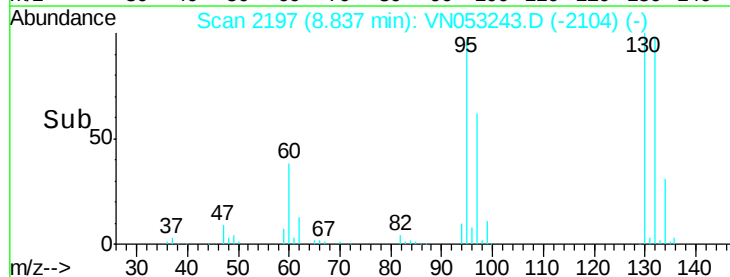
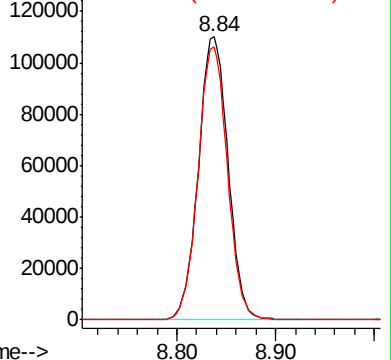
130 100

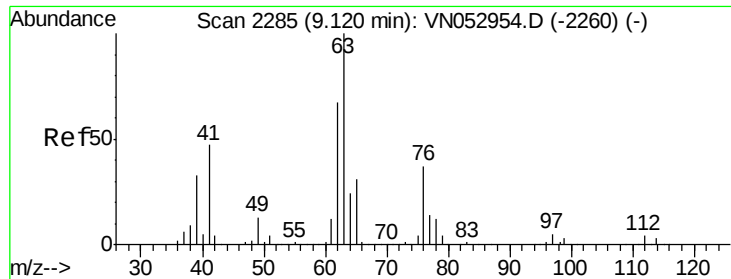
95 96.6 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

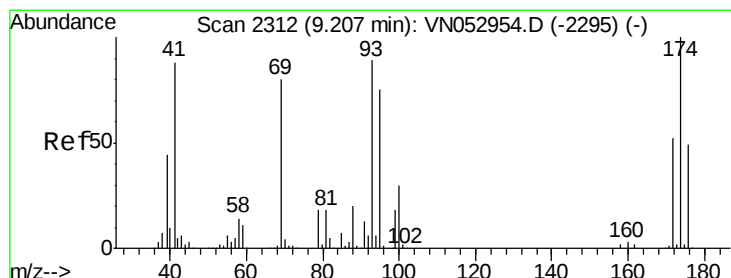
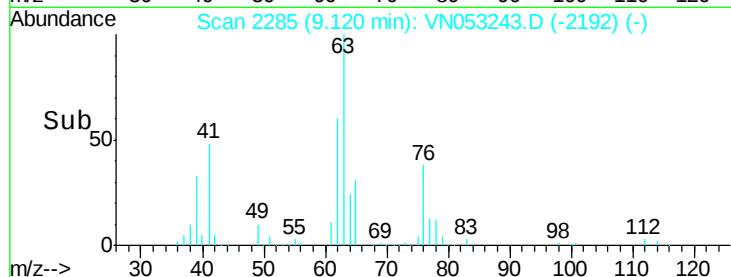
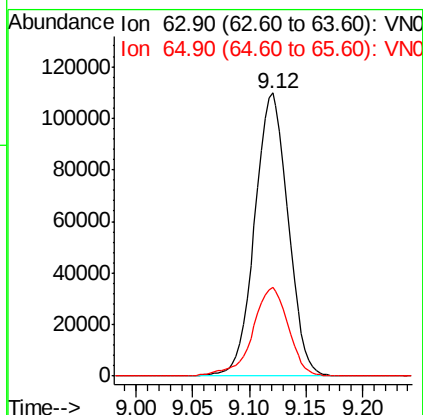
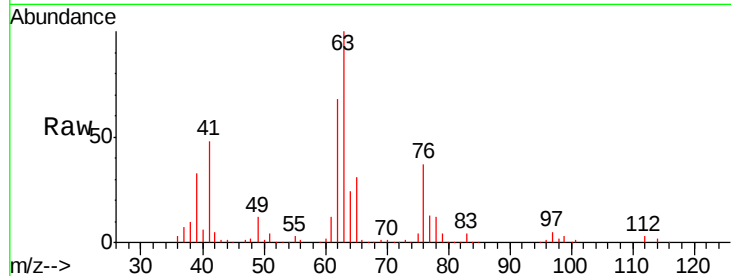




#45
 1,2-Dichloropropane
 Concen: 21.837 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

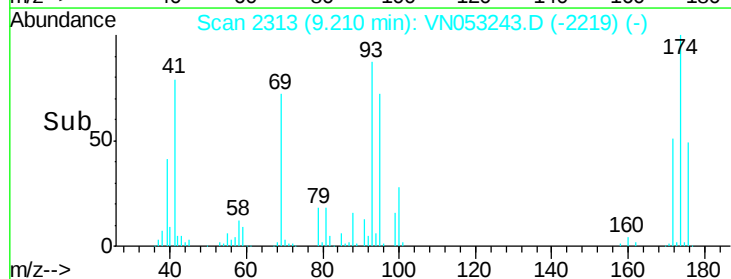
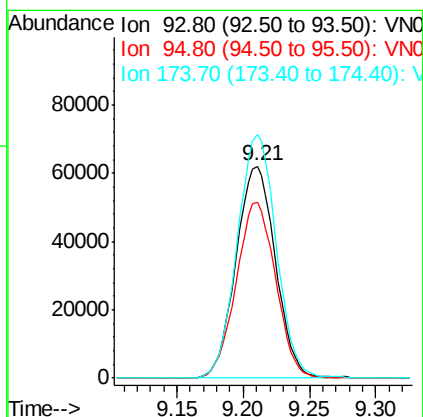
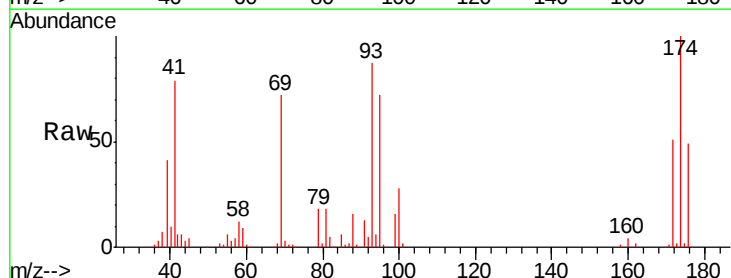
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

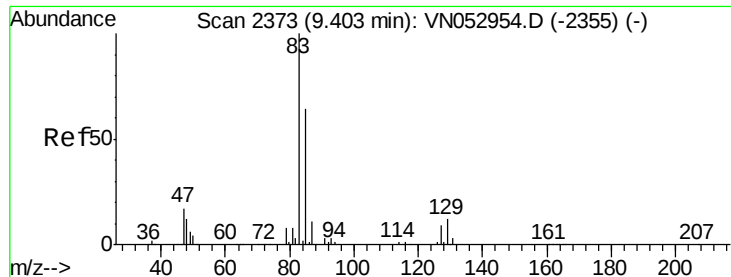
Tgt Ion: 63 Resp: 225132
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0



#46
 Dibromomethane
 Concen: 21.387 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion: 93 Resp: 128446
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.8 101.6
 174 113.9 89.0 133.4





#47

Bromodichloromethane

Concen: 21.880 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

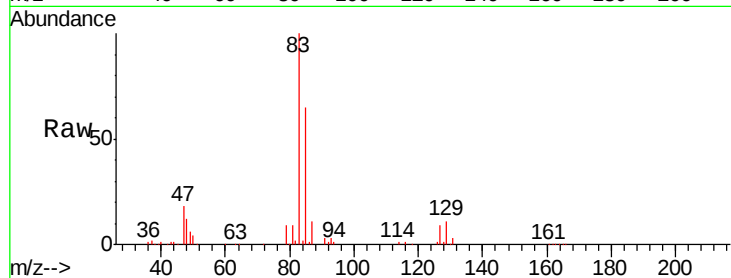
Tgt Ion: 83 Resp: 279330

Ion Ratio Lower Upper

83 100

85 64.6 51.6 77.4

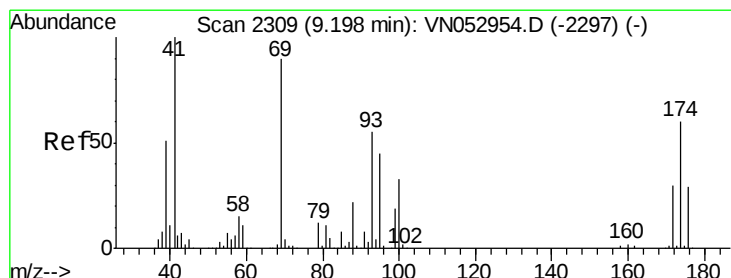
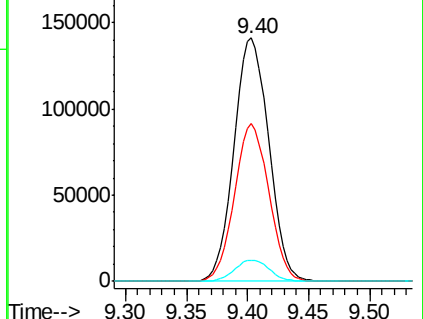
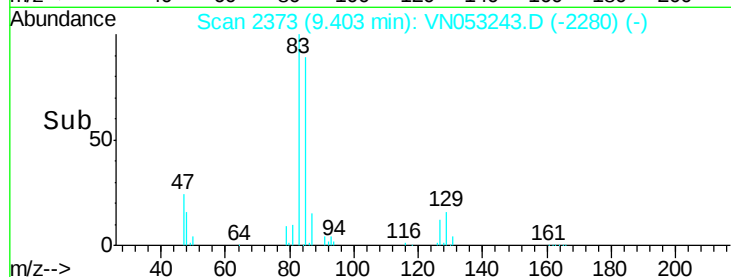
127 8.7 7.1 10.7



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



#48

Methyl methacrylate

Concen: 21.094 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

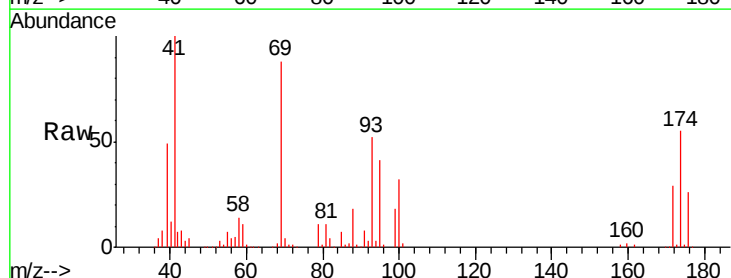
Tgt Ion: 41 Resp: 152051

Ion Ratio Lower Upper

41 100

69 91.3 72.2 108.2

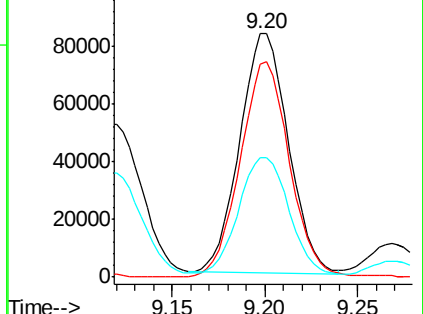
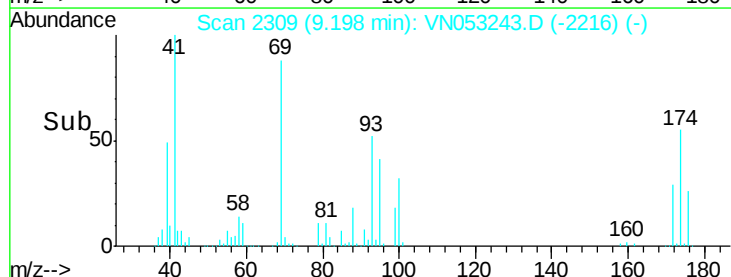
39 52.9 41.9 62.9

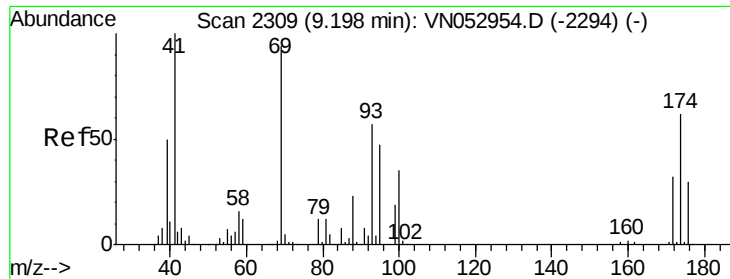


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

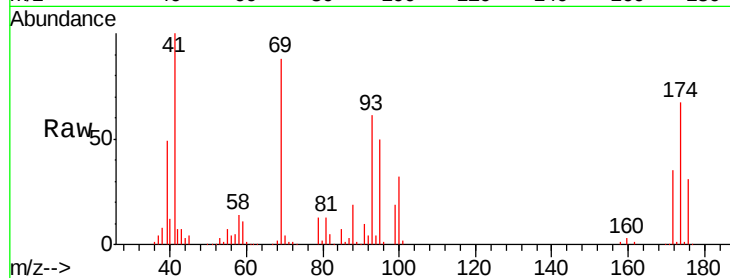




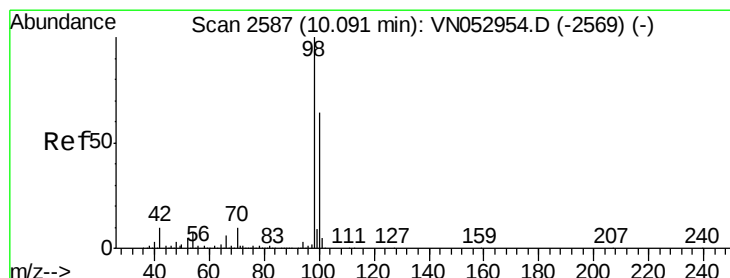
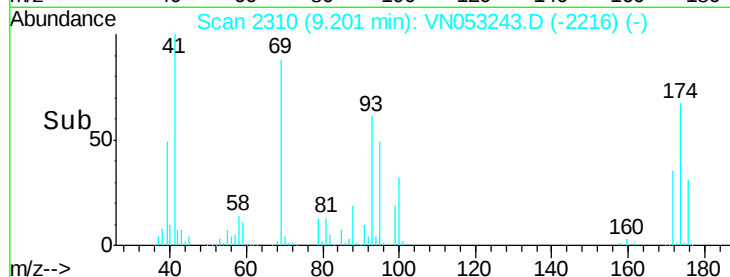
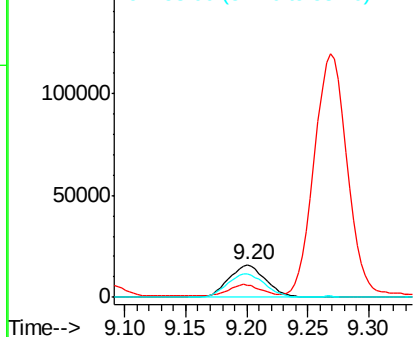
#49
1,4-Dioxane
Concen: 373.018 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

Tgt Ion: 88 Resp: 34013
Ion Ratio Lower Upper
88 100
43 31.9 26.6 40.0
58 73.0 58.4 87.6

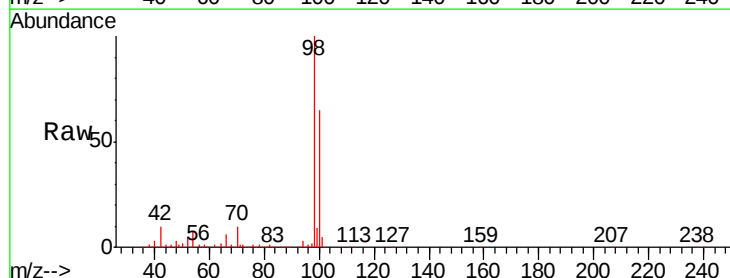


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

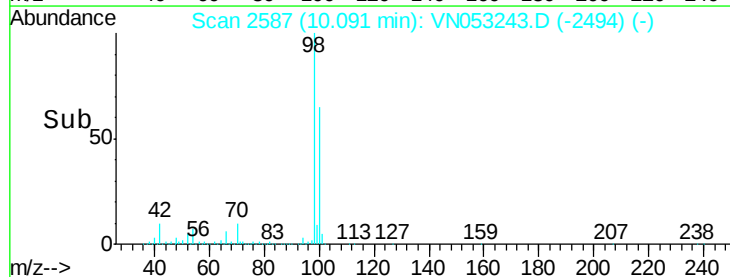
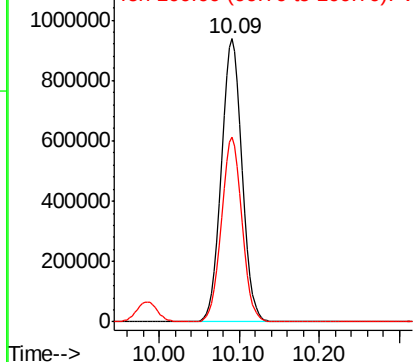


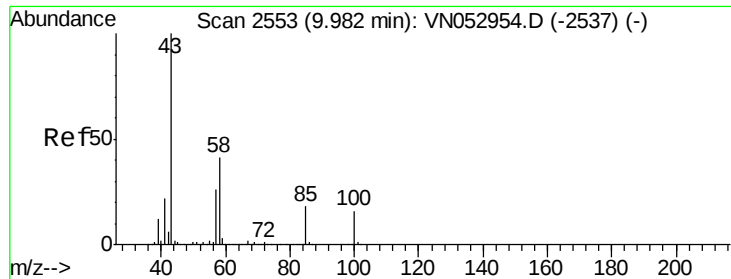
#50
Toluene-d8
Concen: 373.018 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 98 Resp: 1682138
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 111.206 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

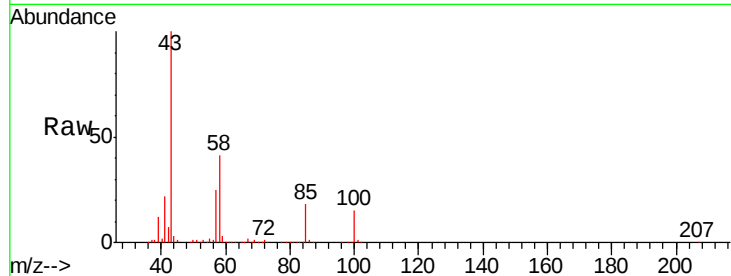
VN0102WBSD02

Tgt Ion: 43 Resp: 800010

Ion Ratio Lower Upper

43 100

58 40.9 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

400000

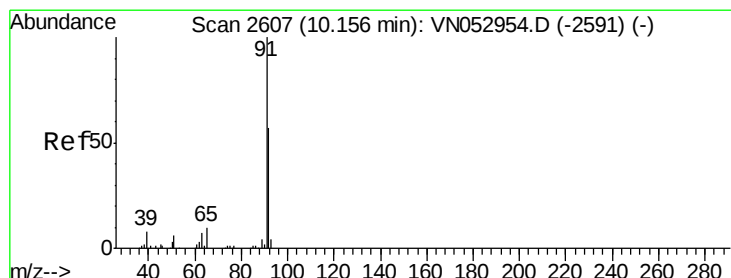
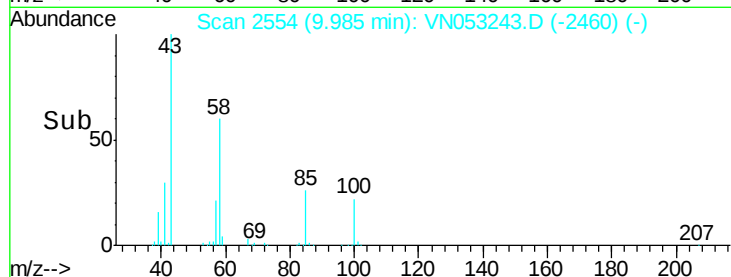
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.635 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053243.D

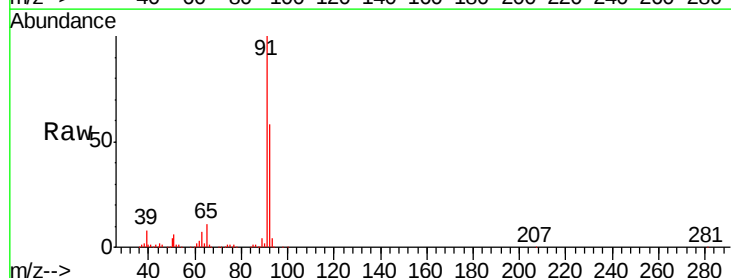
Acq: 2 Jan 2019 12:51

Tgt Ion: 92 Resp: 506242

Ion Ratio Lower Upper

92 100

91 172.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

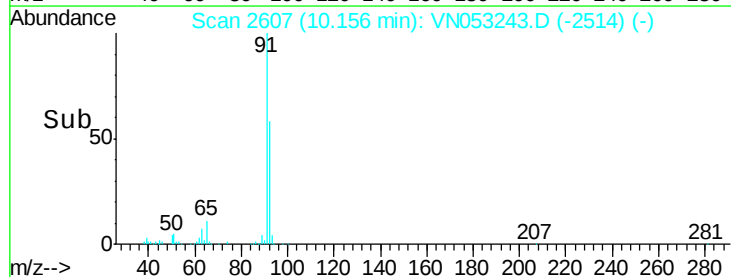
300000

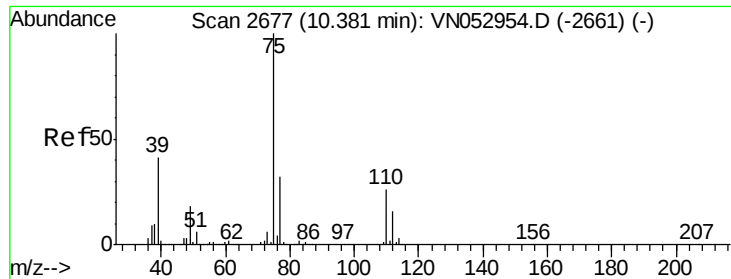
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.270 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

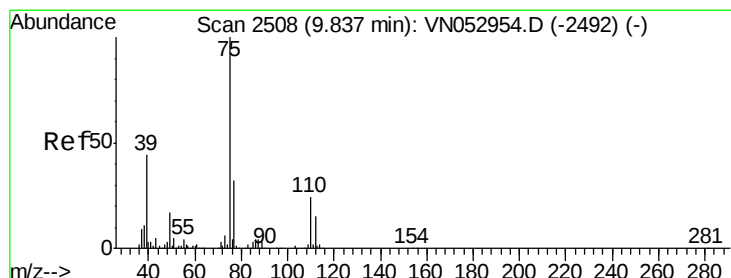
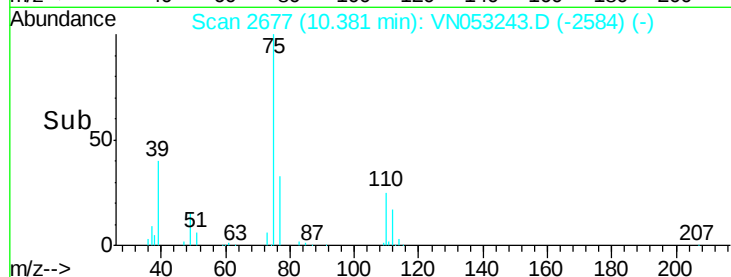
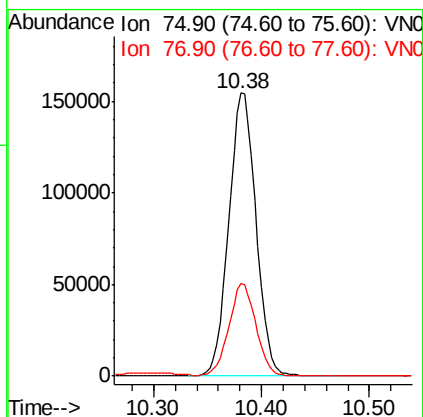
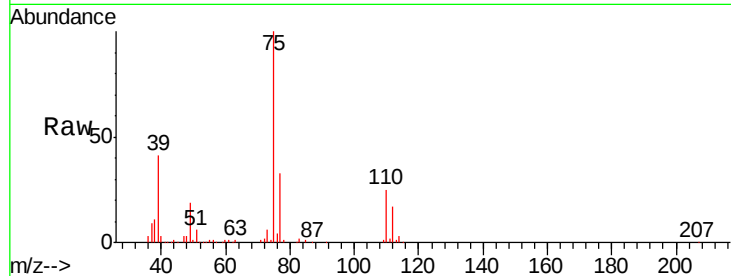
VN0102WBSD02

Tgt Ion: 75 Resp: 272113

Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 20.830 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

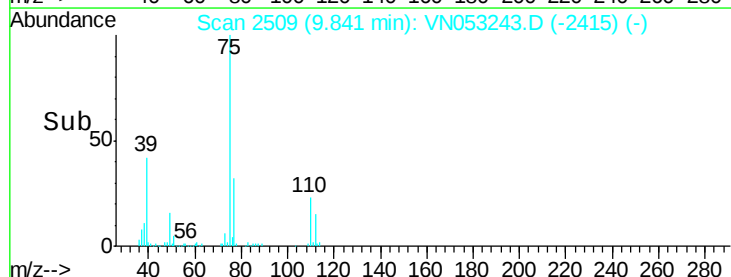
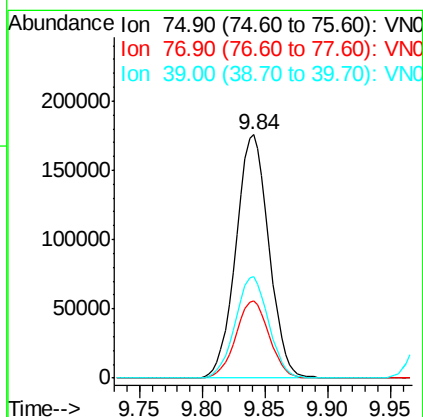
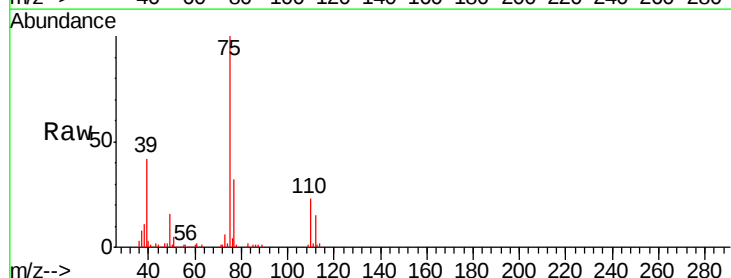
Tgt Ion: 75 Resp: 320962

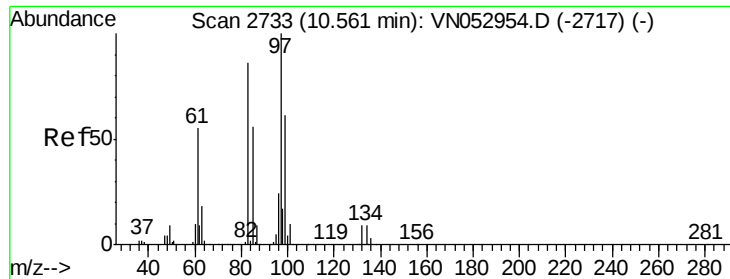
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 41.5 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 21.958 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

Tgt Ion: 97 Resp: 187937

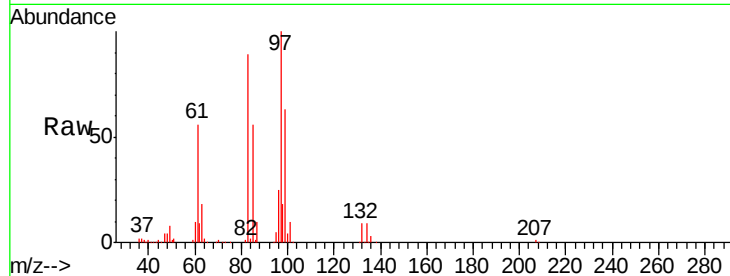
Ion Ratio Lower Upper

97 100

83 88.5 70.9 106.3

85 55.7 45.4 68.2

99 63.1 50.4 75.6

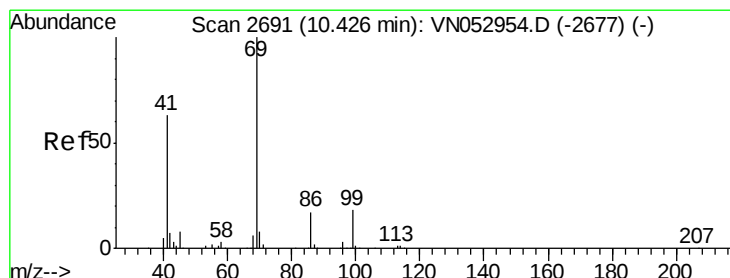
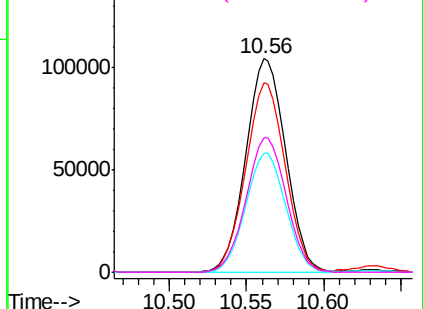
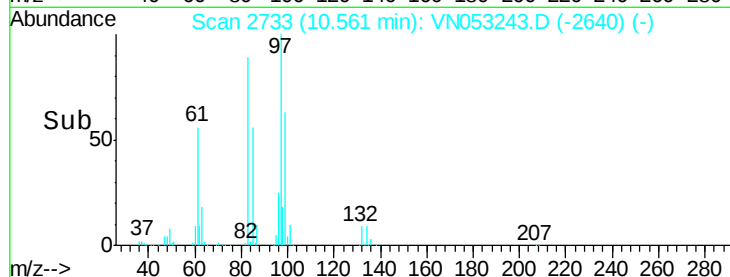


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.191 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

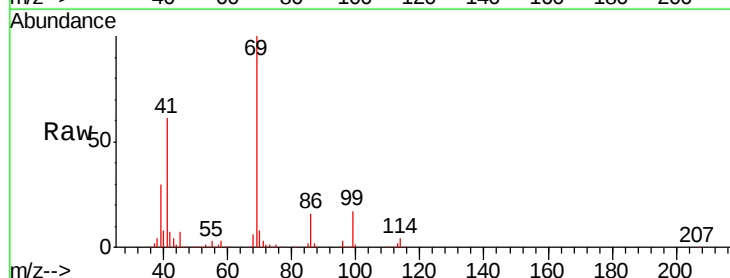
Tgt Ion: 69 Resp: 240062

Ion Ratio Lower Upper

69 100

41 61.9 51.7 77.5

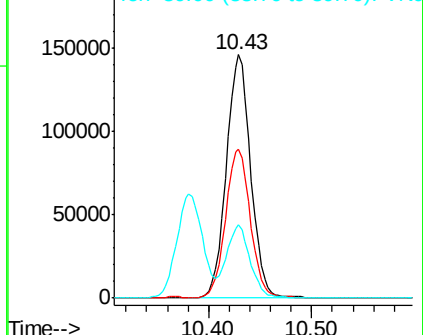
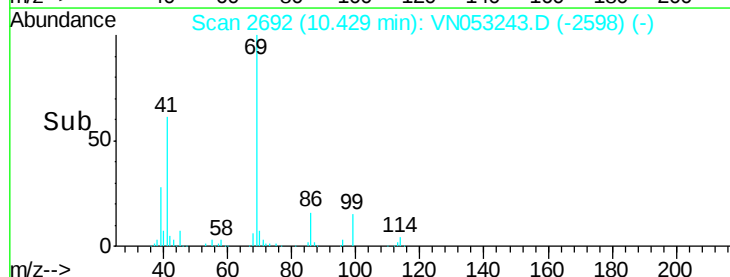
39 29.0 24.6 37.0

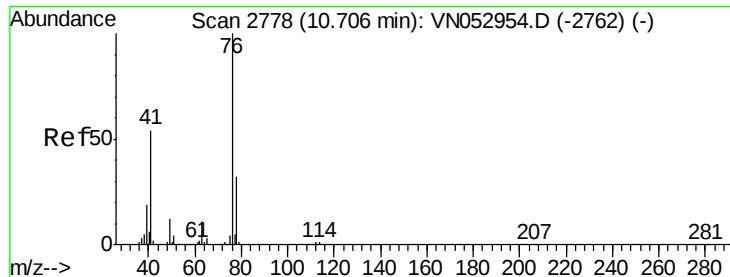


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.705 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

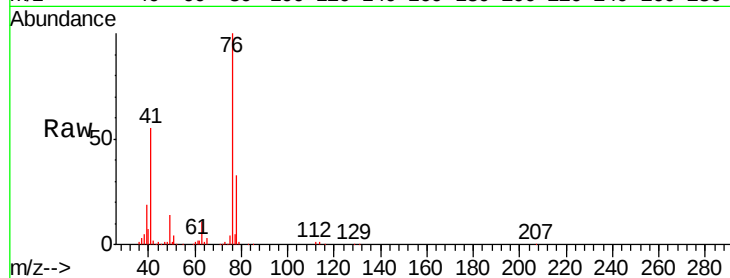
VN0102WBSD02

Tgt Ion: 76 Resp: 318557

Ion Ratio Lower Upper

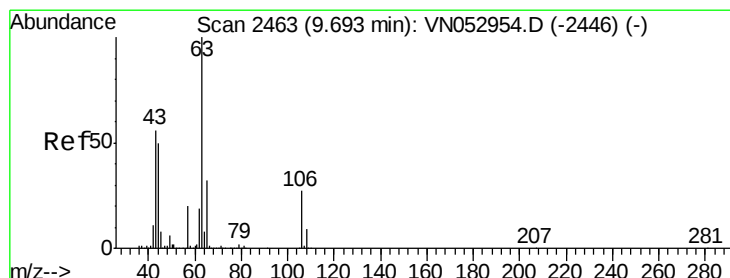
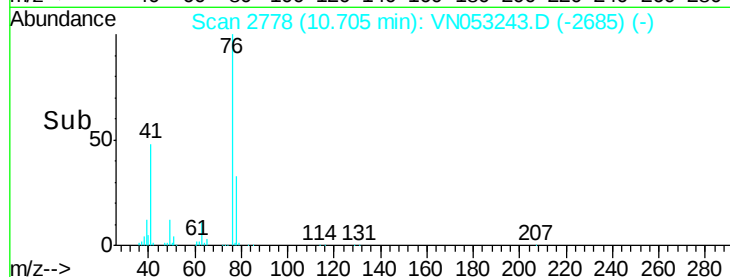
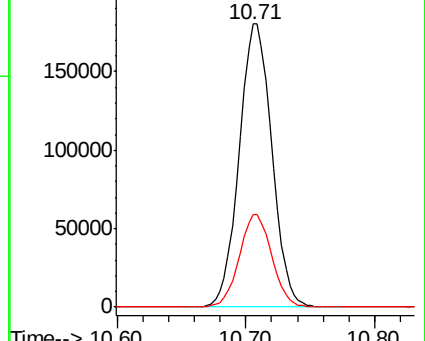
76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 106.012 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053243.D

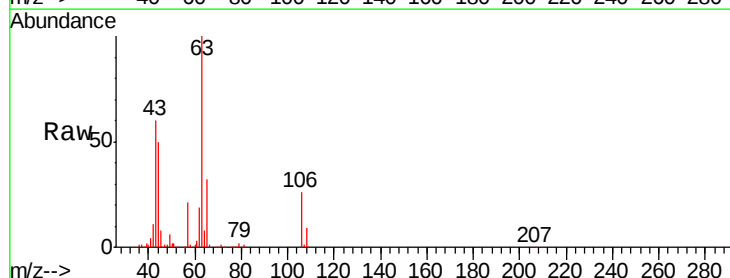
Acq: 2 Jan 2019 12:51

Tgt Ion: 63 Resp: 659325

Ion Ratio Lower Upper

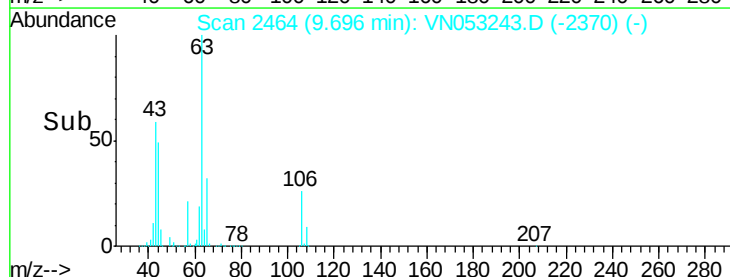
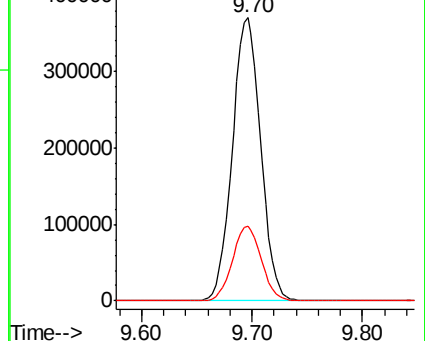
63 100

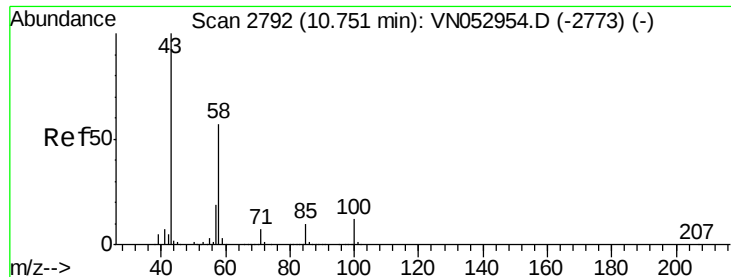
106 26.8 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

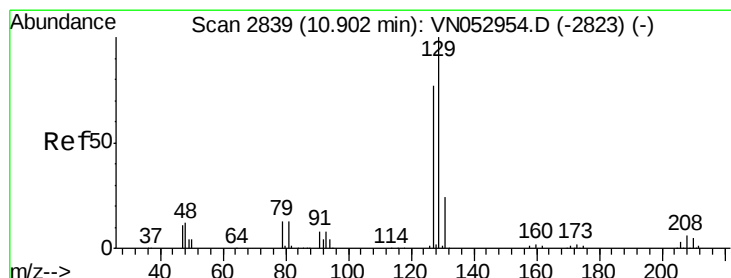
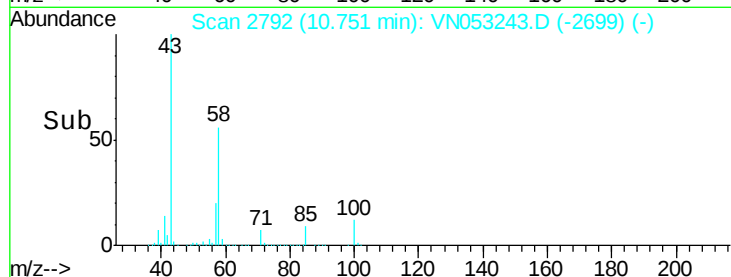
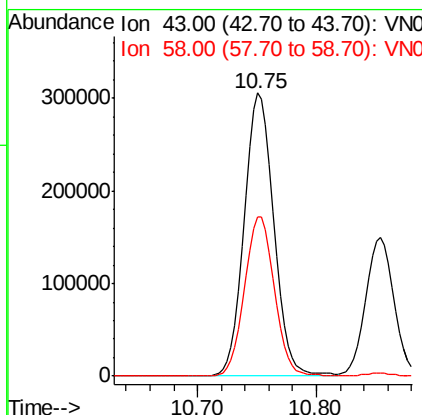
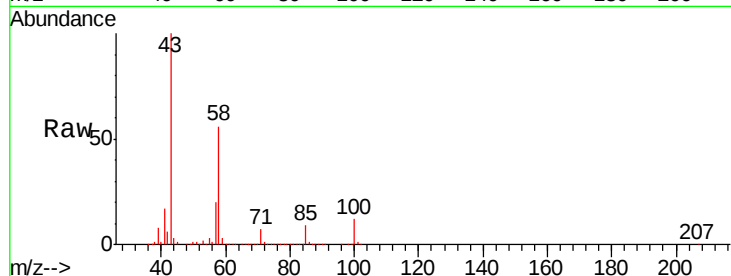




#59
2-Hexanone
Concen: 107.941 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

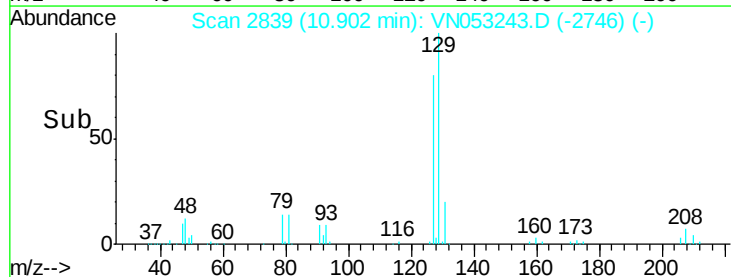
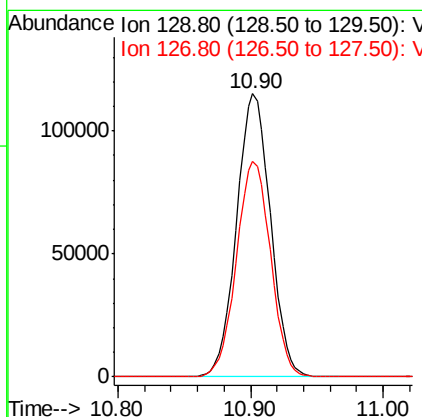
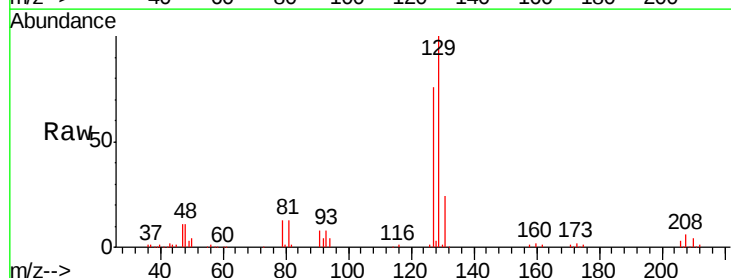
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

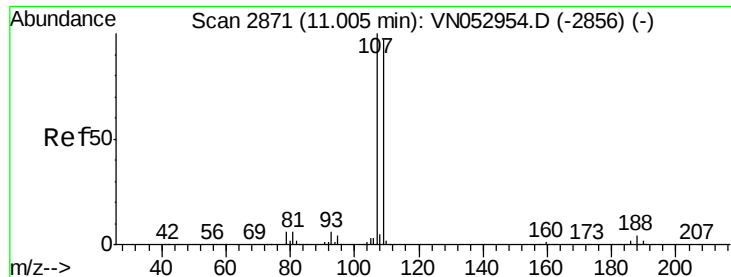
Tgt Ion: 43 Resp: 525379
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3



#60
Dibromochloromethane
Concen: 20.855 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 129 Resp: 204316
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.760 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

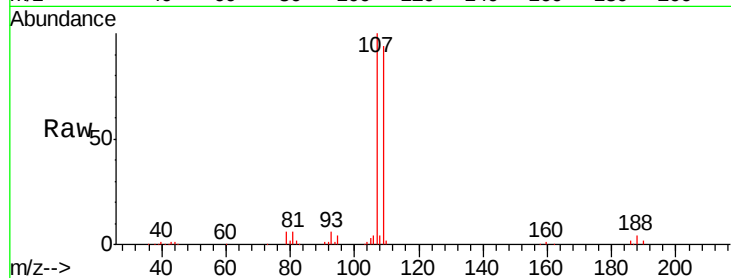
VN0102WBSD02

Tgt Ion: 107 Resp: 180455

Ion Ratio Lower Upper

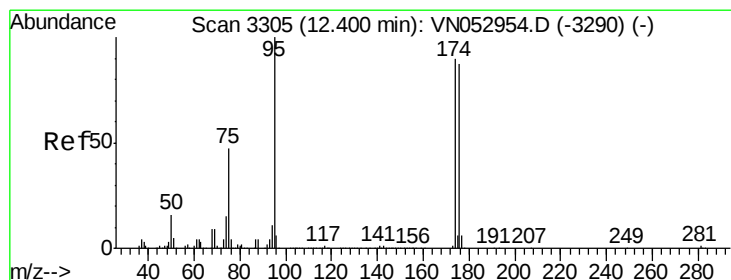
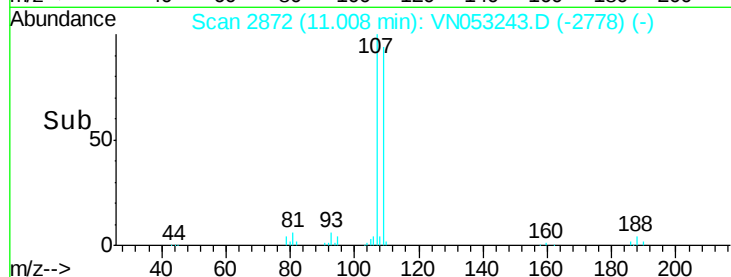
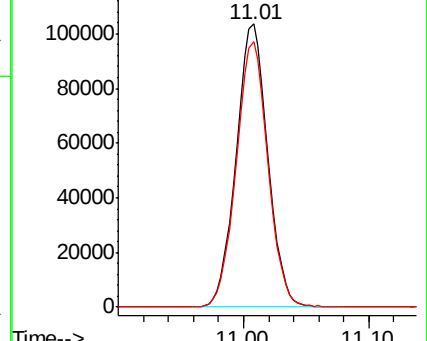
107 100

109 94.2 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.760 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

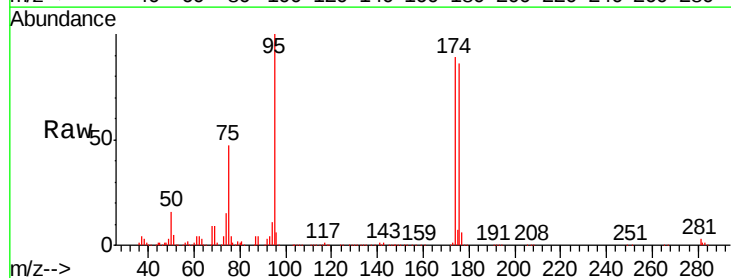
Tgt Ion: 95 Resp: 540503

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.8

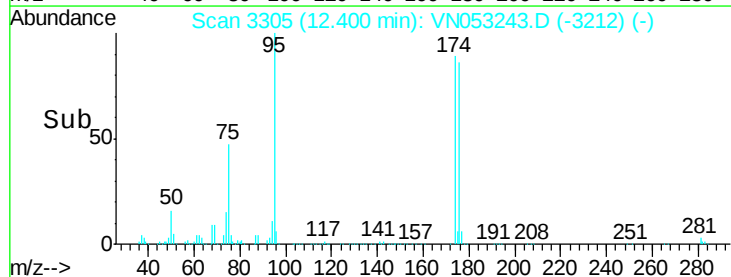
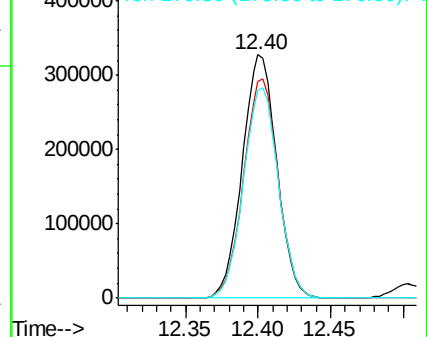
176 87.7 0.0 173.8

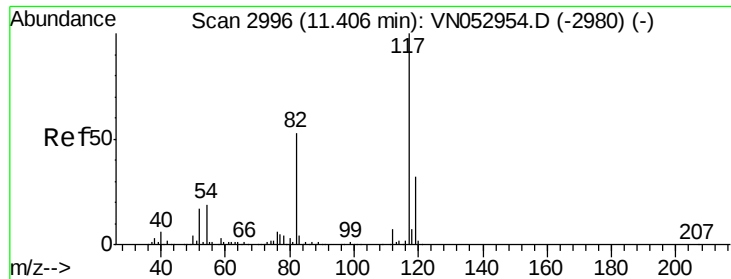


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

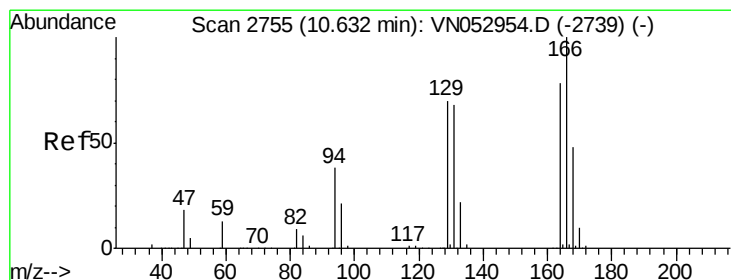
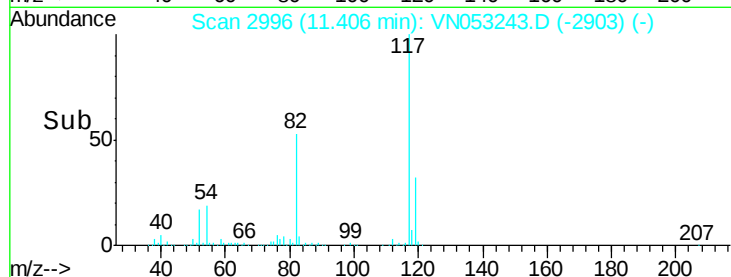
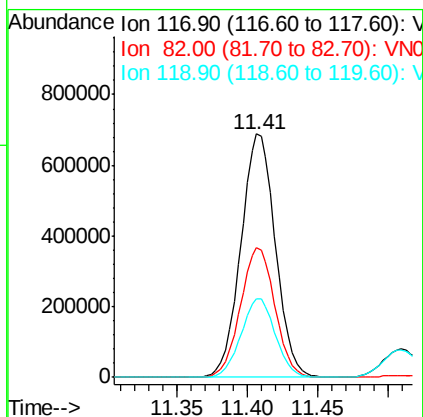
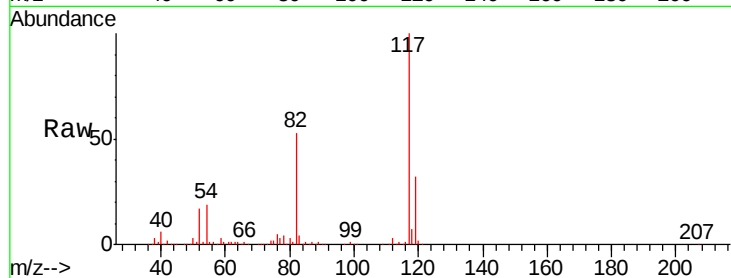




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

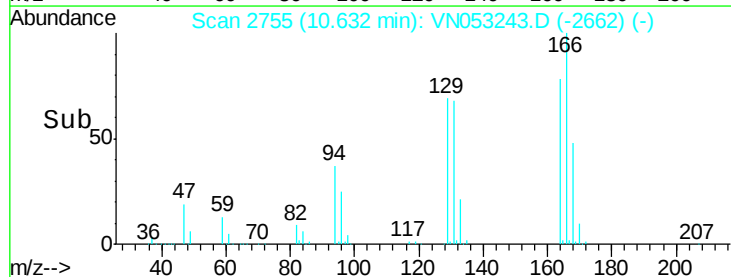
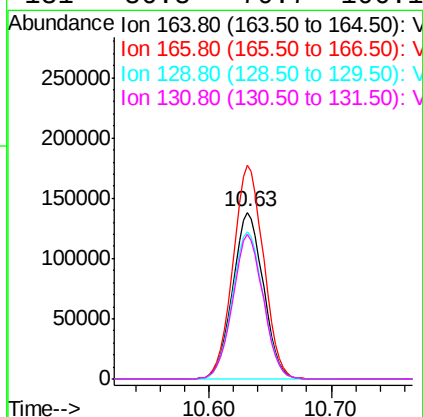
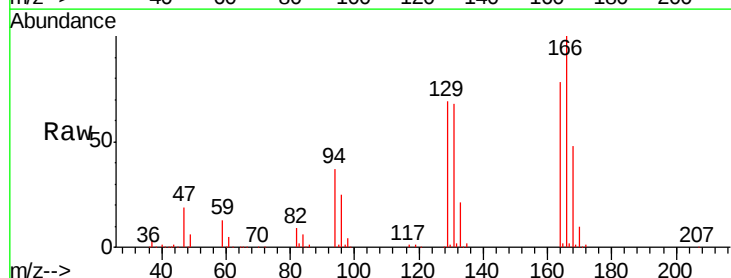
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

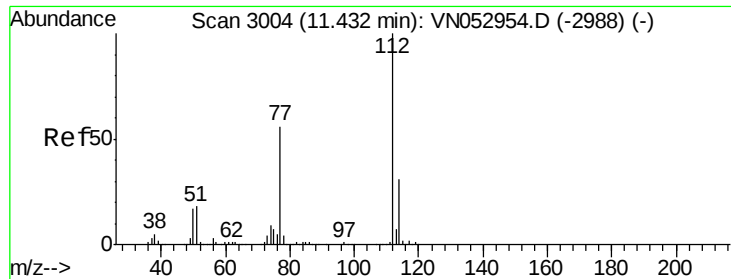
Tgt Ion:117 Resp: 1179695
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 18.828 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion:164 Resp: 240594
Ion Ratio Lower Upper
164 100
166 128.3 102.9 154.3
129 88.8 73.7 110.5
131 86.8 70.7 106.1





#65

Chlorobenzene

Concen: 20.835 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

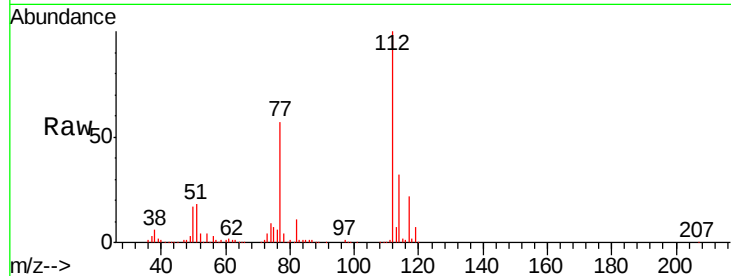
VN0102WBSD02

Tgt Ion:112 Resp: 544833

Ion Ratio Lower Upper

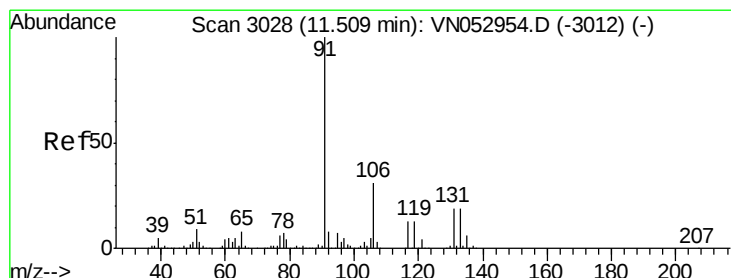
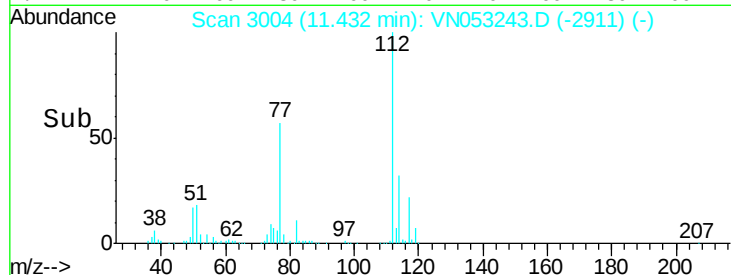
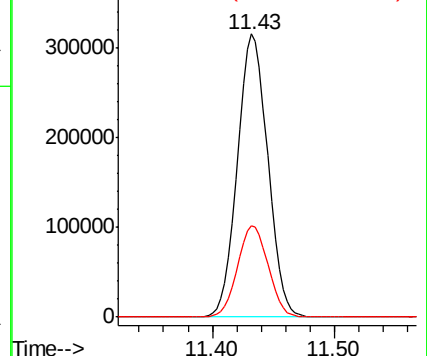
112 100

114 32.2 25.5 38.3



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: 21.988 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

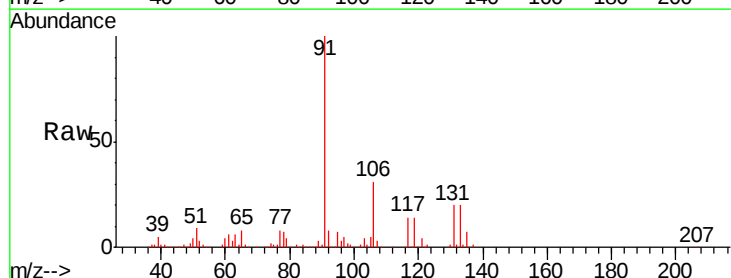
Tgt Ion:131 Resp: 199949

Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.9

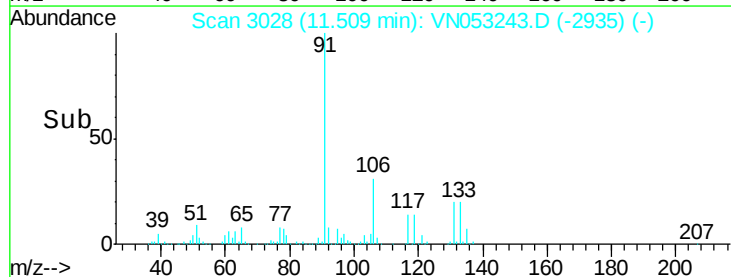
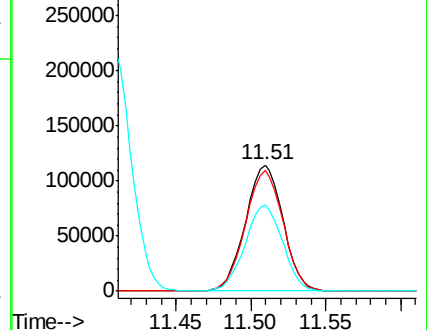
119 68.7 33.3 99.8

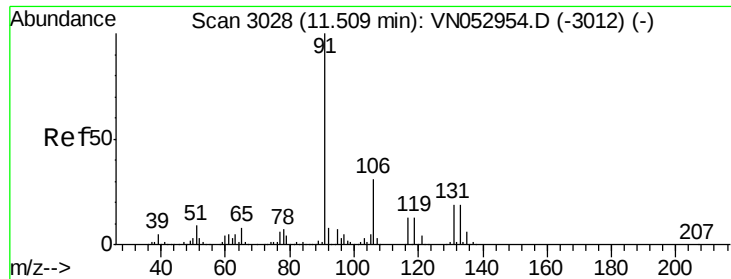


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

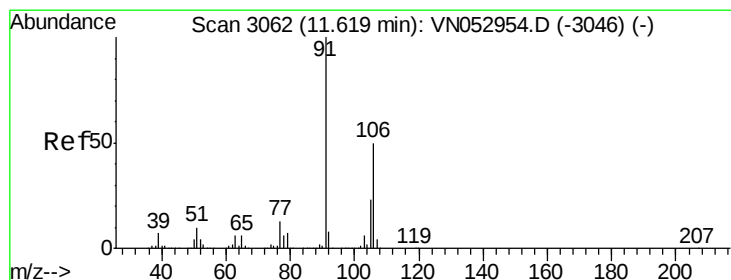
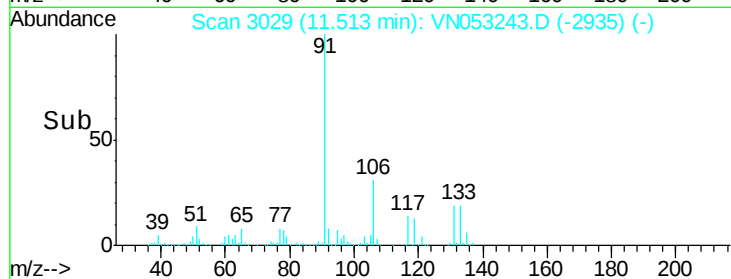
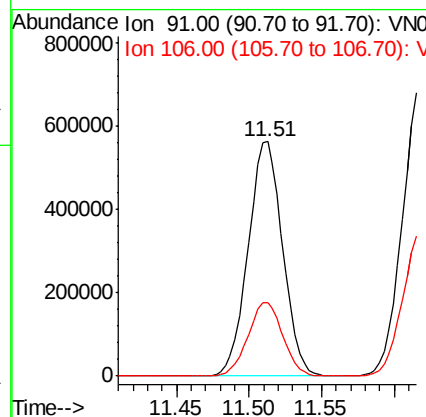
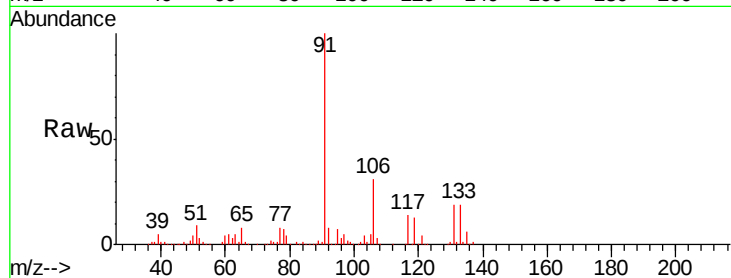




#67
Ethyl Benzene
Concen: 20.715 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

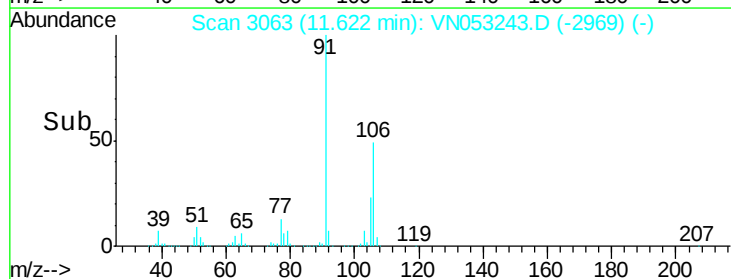
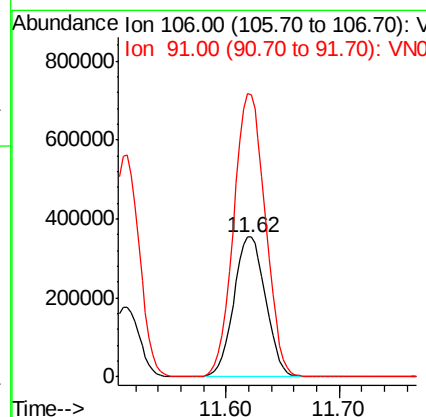
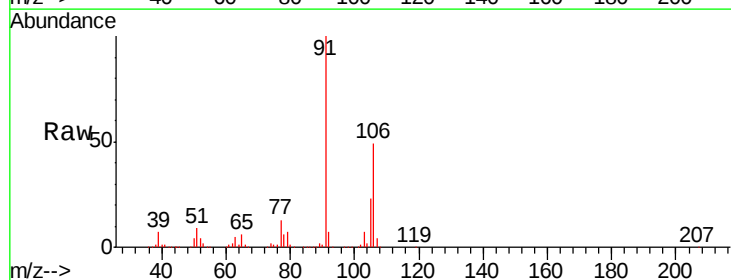
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

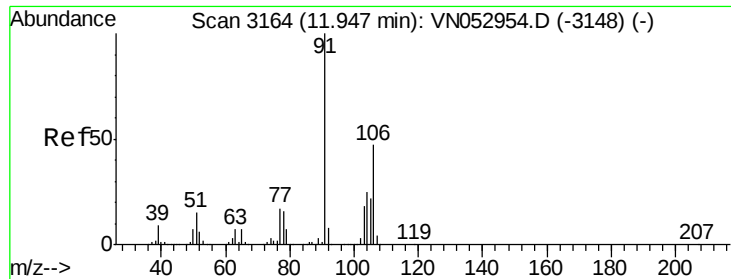
Tgt Ion: 91 Resp: 931589
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 40.581 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 106 Resp: 693788
Ion Ratio Lower Upper
106 100
91 201.2 162.2 243.4

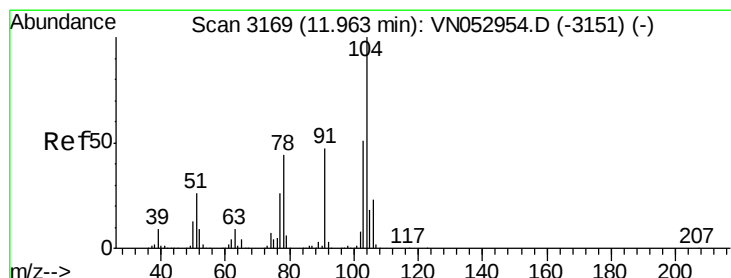
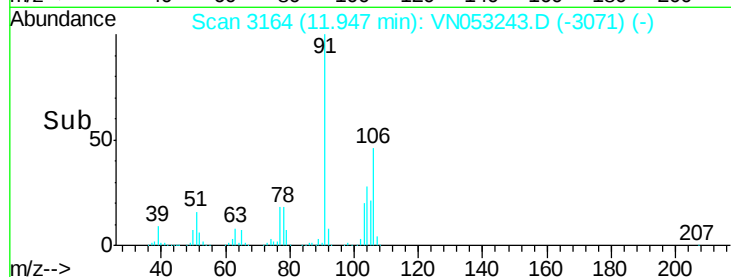
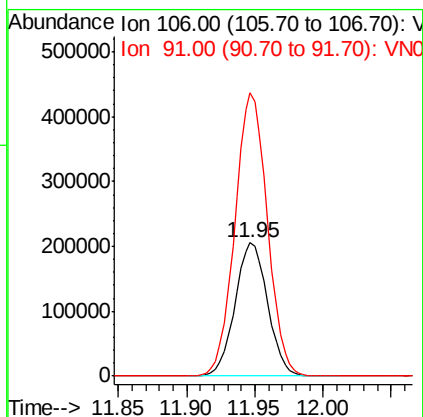
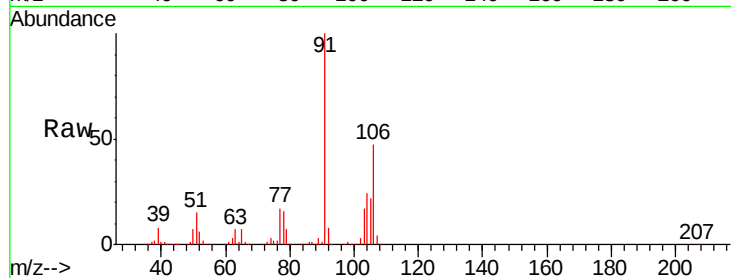




#69
o-Xylene
Concen: 20.713 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

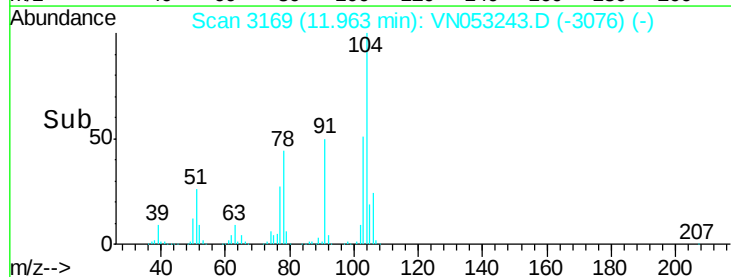
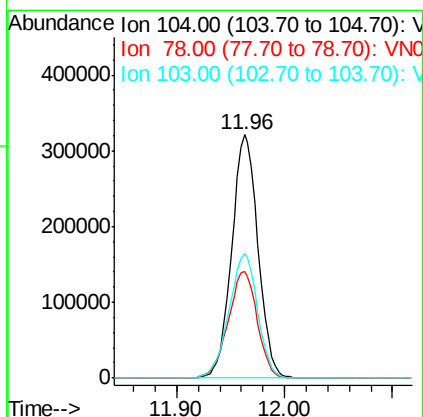
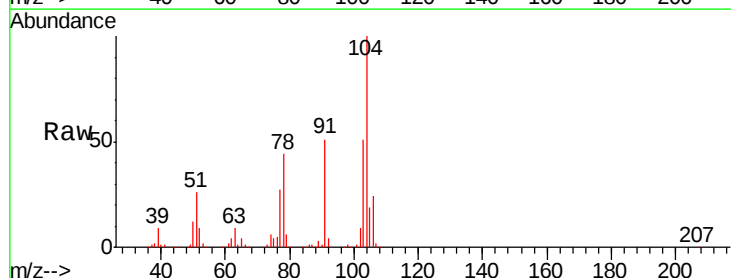
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

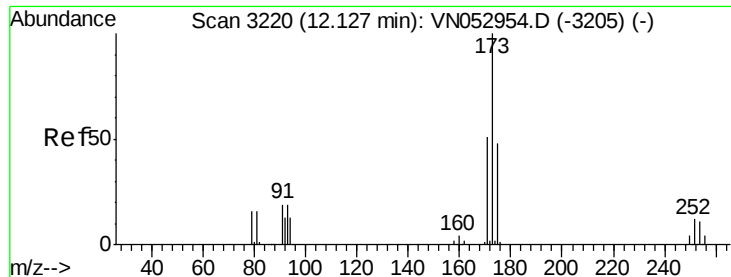
Tgt Ion:106 Resp: 339802
Ion Ratio Lower Upper
106 100
91 211.7 106.6 319.8



#70
Styrene
Concen: 20.345 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion:104 Resp: 544241
Ion Ratio Lower Upper
104 100
78 48.6 38.9 58.3
103 55.8 44.3 66.5

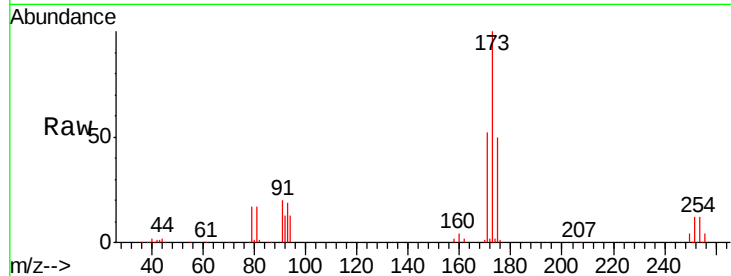




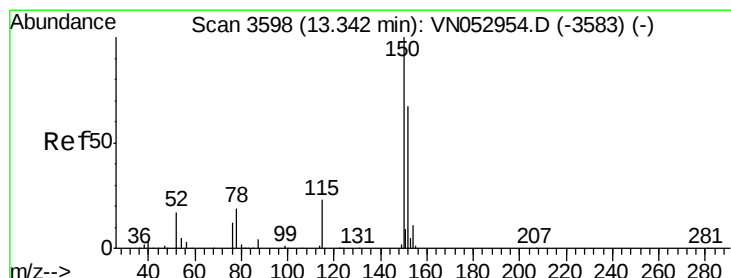
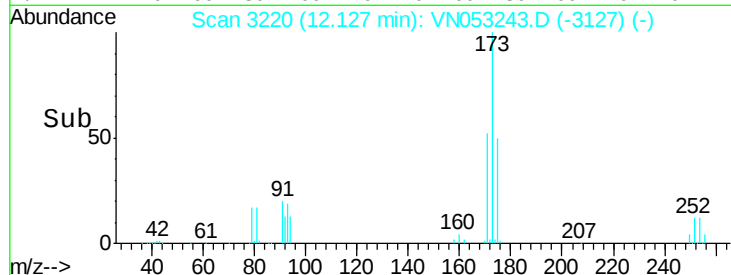
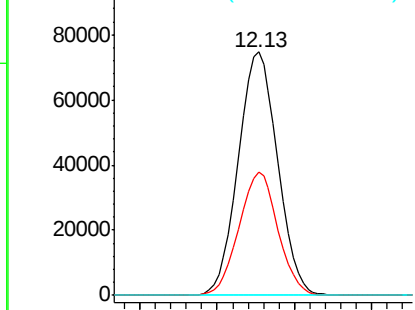
#71
Bromoform
Concen: 20.088 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

Tgt Ion:173 Resp: 131966
Ion Ratio Lower Upper
173 100
175 50.0 24.3 72.9
254 0.0 0.1 0.1#

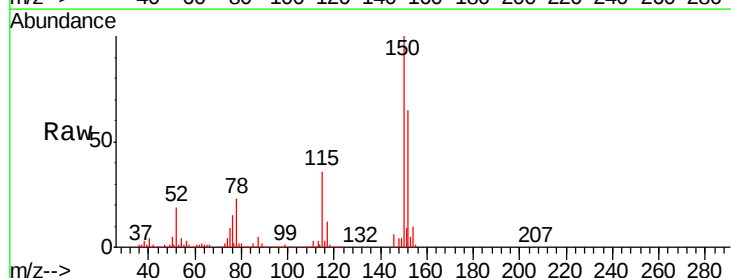


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

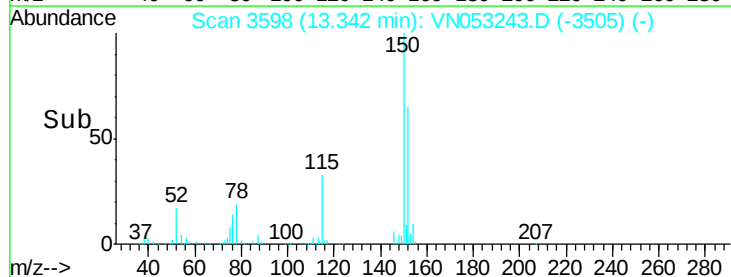
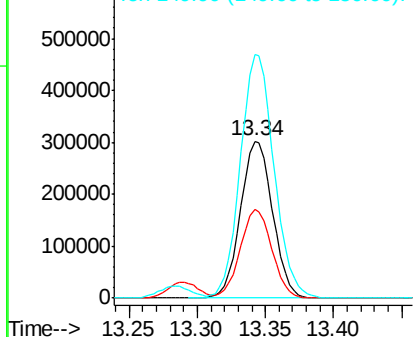


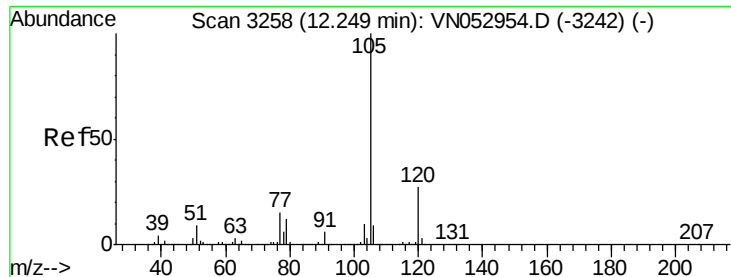
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion:152 Resp: 493380
Ion Ratio Lower Upper
152 100
115 55.6 28.3 85.0
150 163.0 0.0 347.8



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: 23.433 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

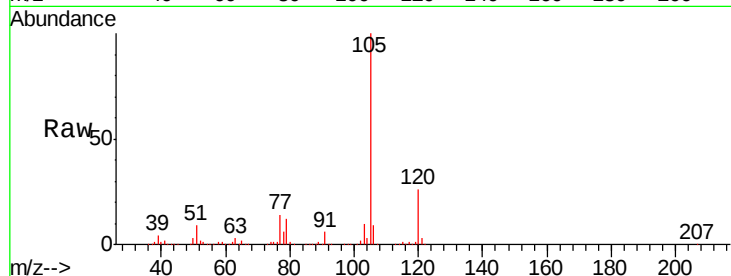
VN0102WBSD02

Tgt Ion: 105 Resp: 904563

Ion Ratio Lower Upper

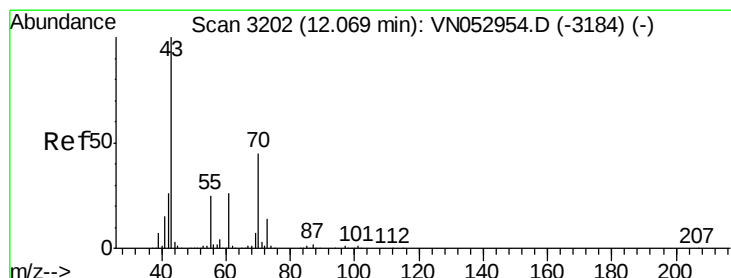
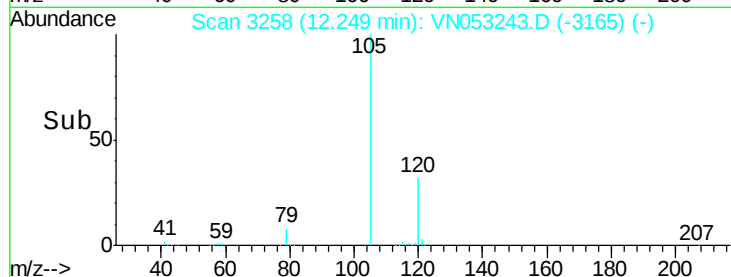
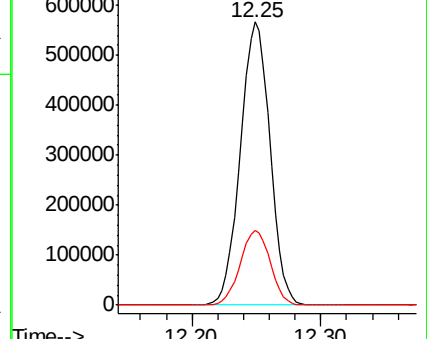
105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.169 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Tgt Ion: 43 Resp: 237597

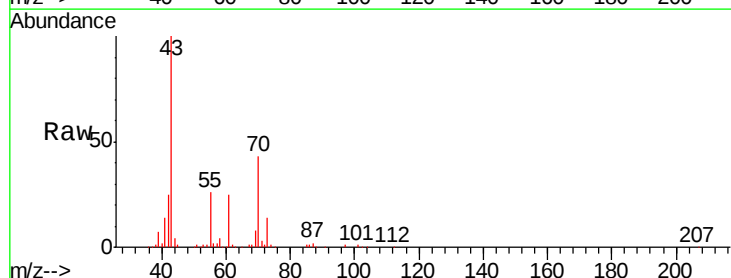
Ion Ratio Lower Upper

43 100

70 43.1 34.2 51.4

55 25.7 20.3 30.5

61 25.1 20.0 30.0

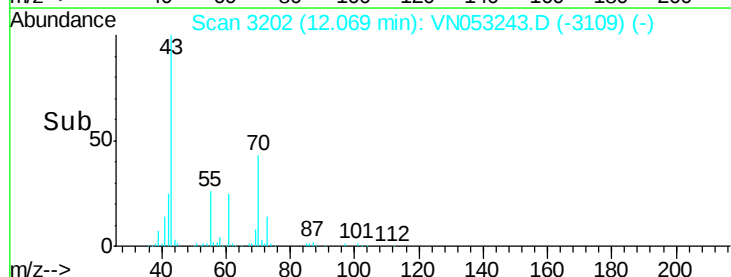
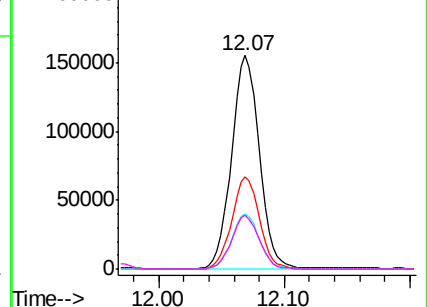


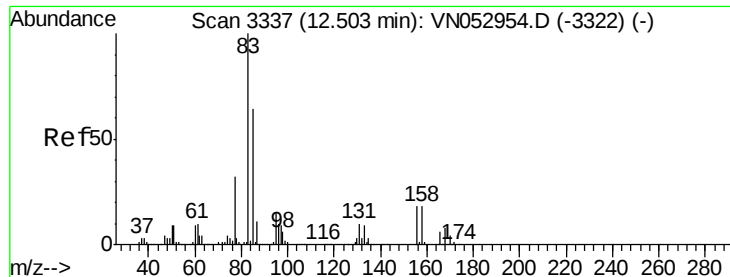
Abundance Ion 43.00 (42.70 to 43.70): V

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: 26.515 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

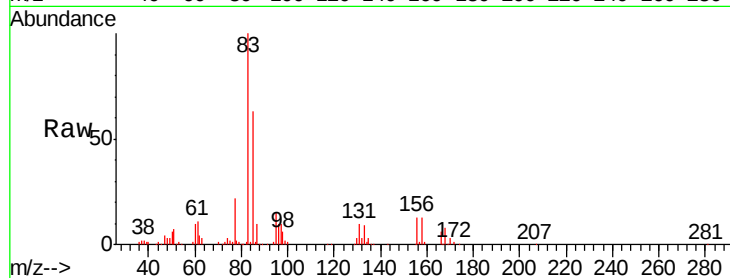
Tgt Ion: 83 Resp: 200803

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

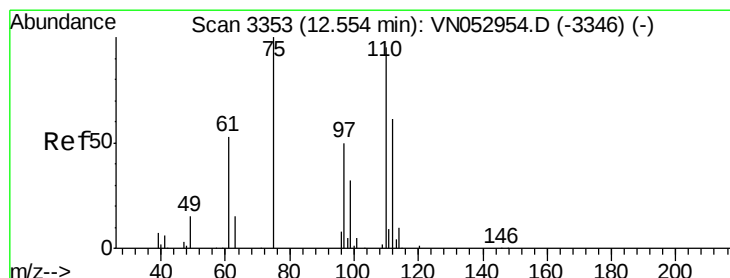
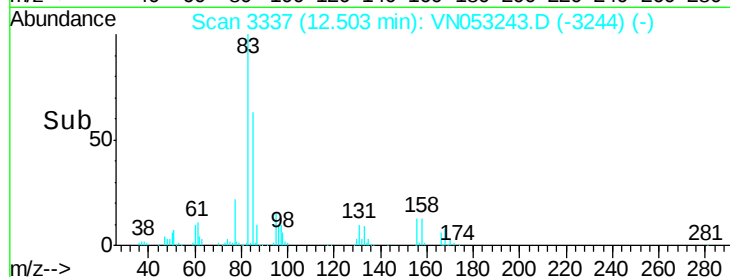
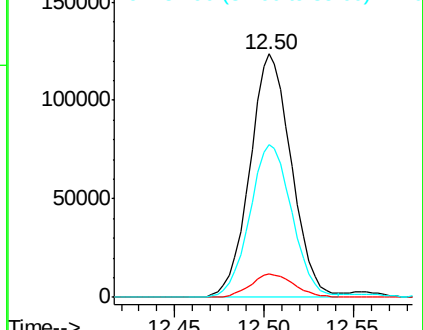
85 63.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.629 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053243.D

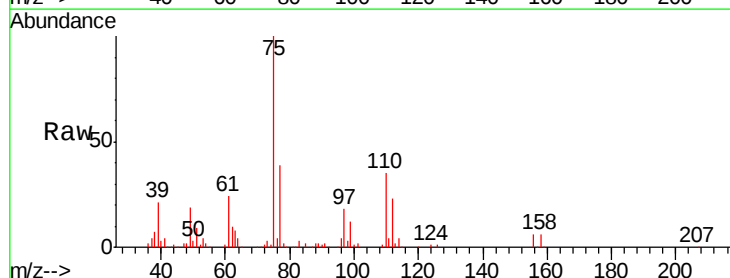
Acq: 2 Jan 2019 12:51

Tgt Ion: 75 Resp: 254388

Ion Ratio Lower Upper

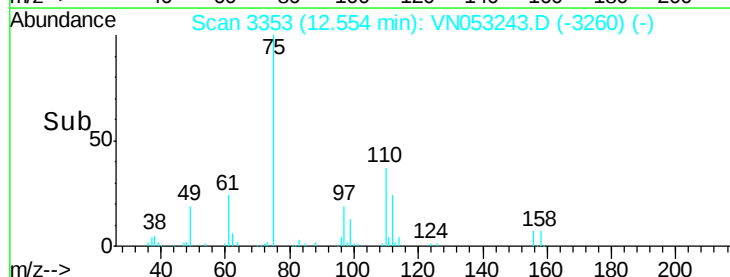
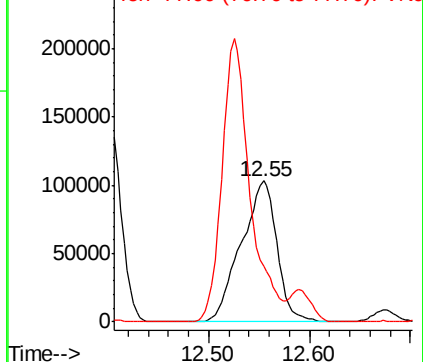
75 100

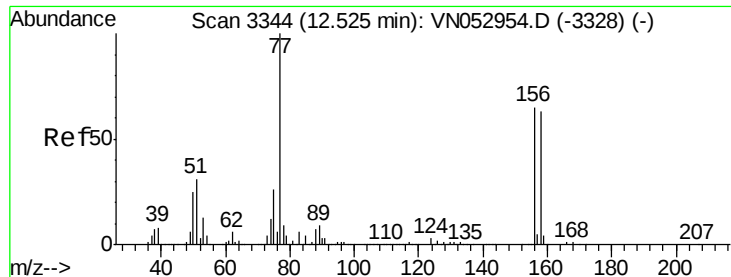
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.828 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

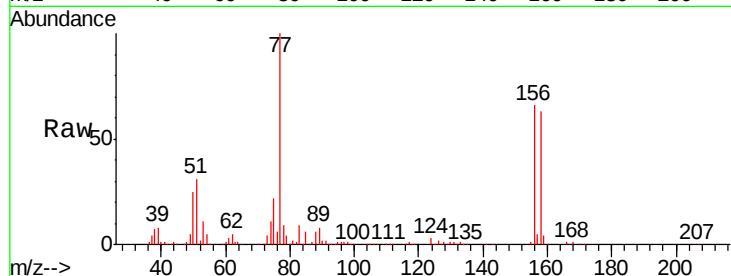
Tgt Ion:156 Resp: 229071

Ion Ratio Lower Upper

156 100

77 176.0 91.3 273.8

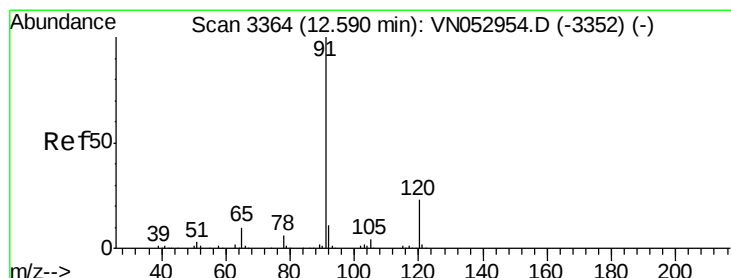
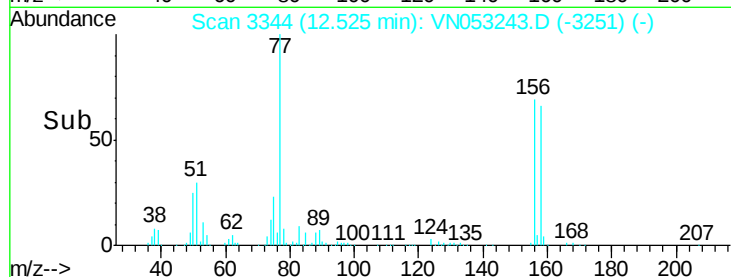
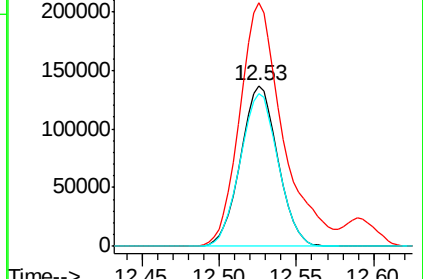
158 97.3 49.0 147.2



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: 22.223 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053243.D

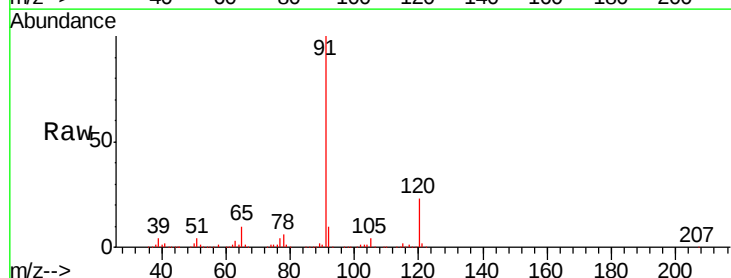
Acq: 2 Jan 2019 12:51

Tgt Ion: 91 Resp: 977012

Ion Ratio Lower Upper

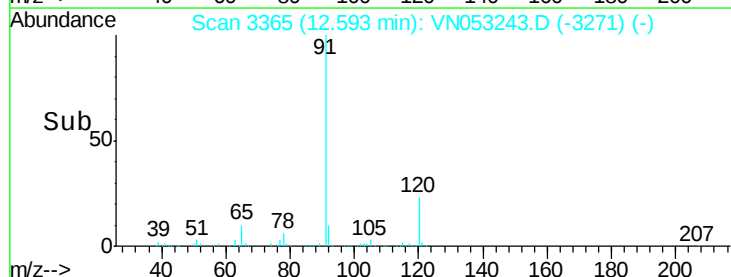
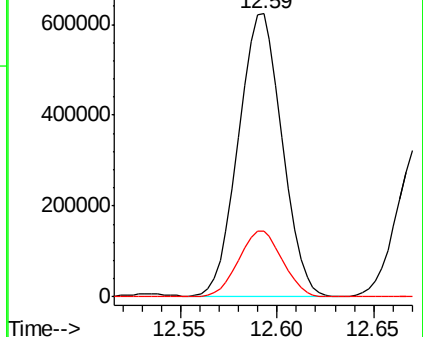
91 100

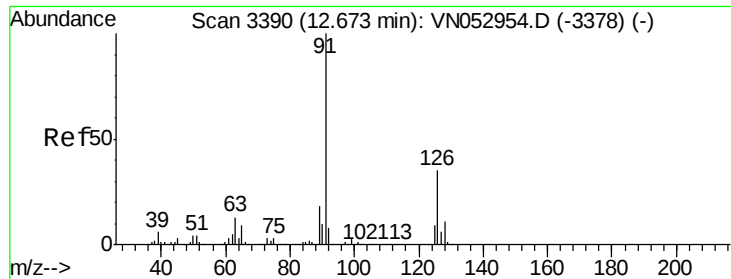
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

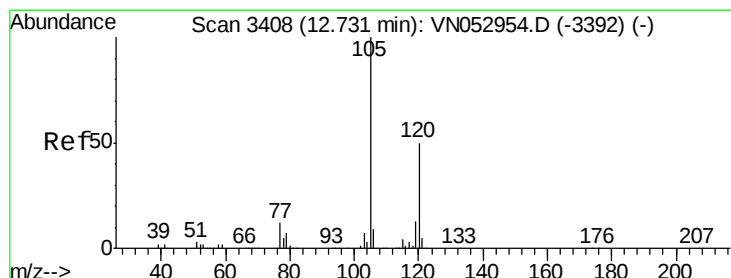
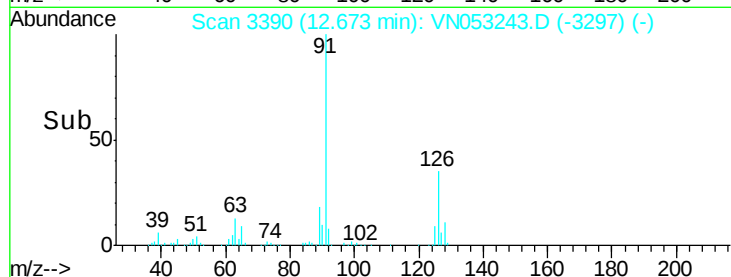
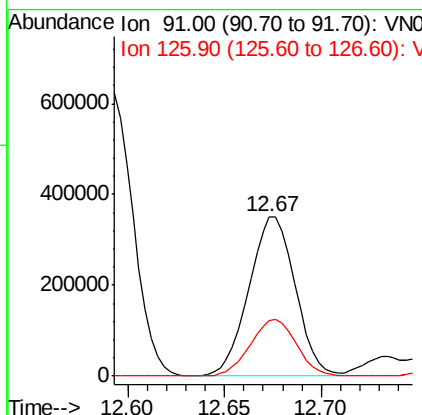
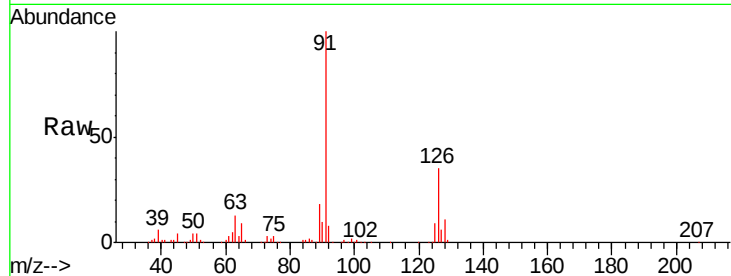




#79
 2-Chlorotoluene
 Concen: 21.451 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

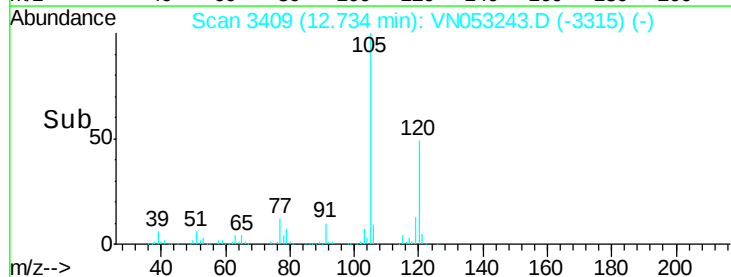
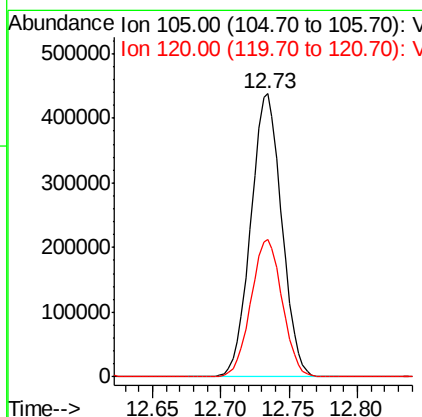
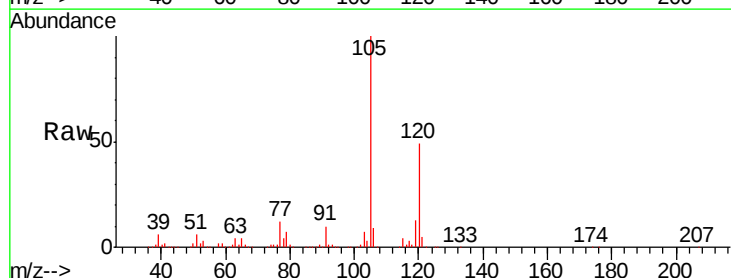
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

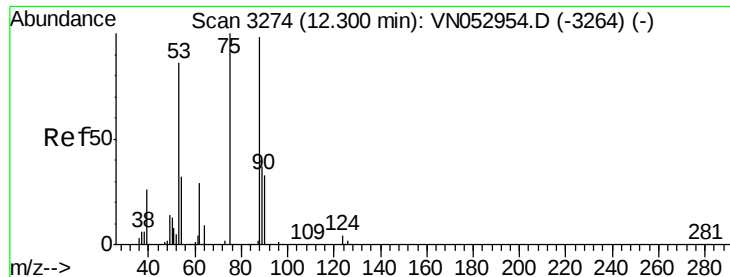
Tgt Ion: 91 Resp: 584577
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.866 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion: 105 Resp: 687992
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.601 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

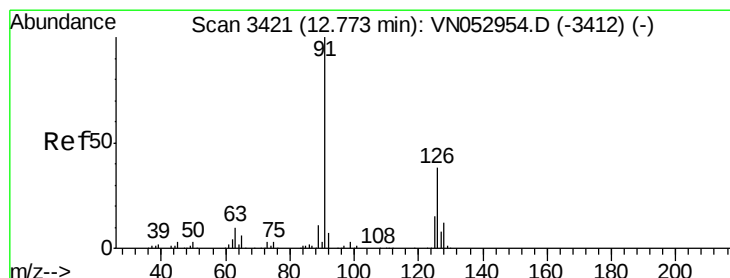
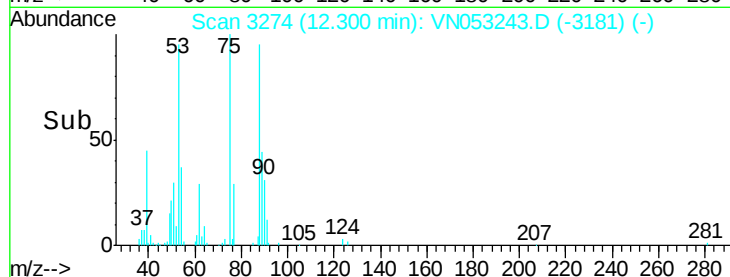
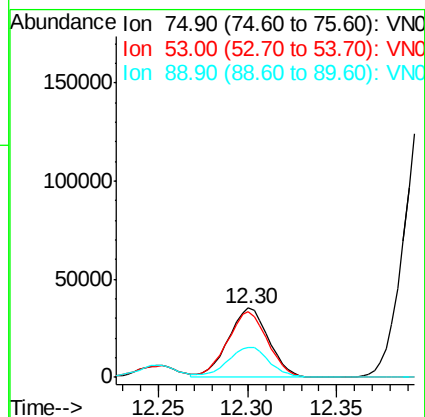
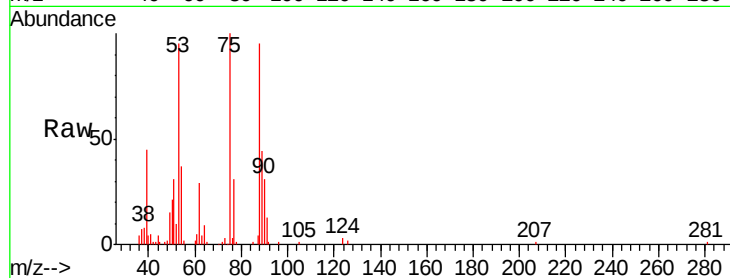
Tgt Ion: 75 Resp: 55663

Ion Ratio Lower Upper

75 100

53 93.7 74.7 112.1

89 44.3 36.1 54.1



#82

4-Chlorotoluene

Concen: 21.736 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053243.D

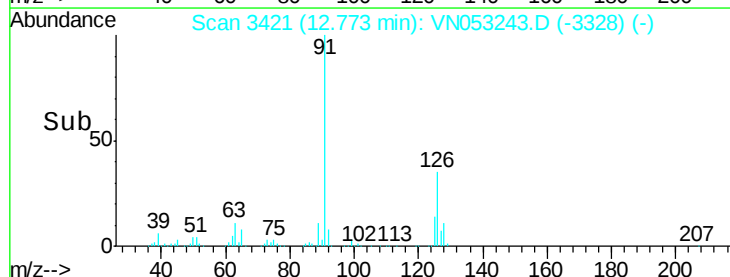
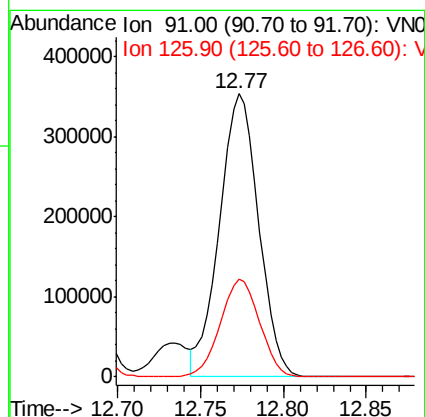
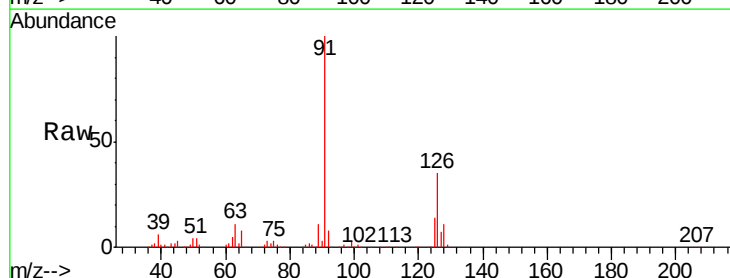
Acq: 2 Jan 2019 12:51

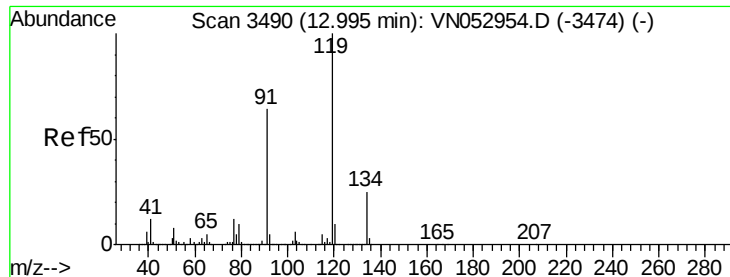
Tgt Ion: 91 Resp: 579845

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.7

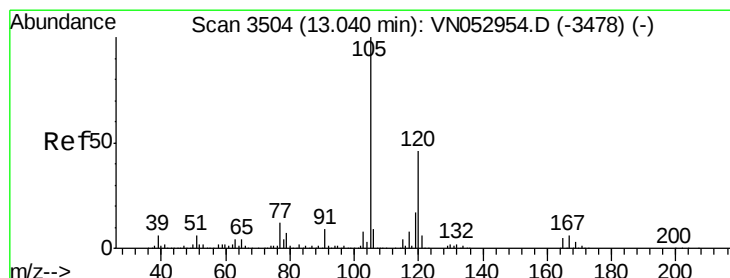
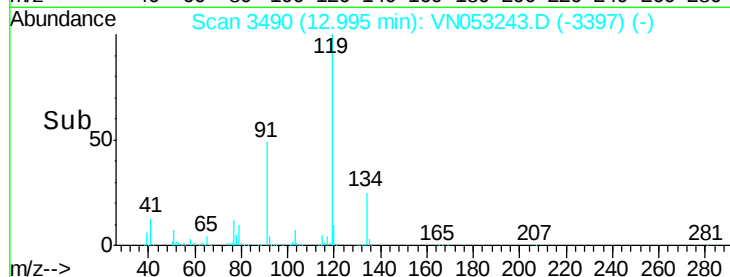
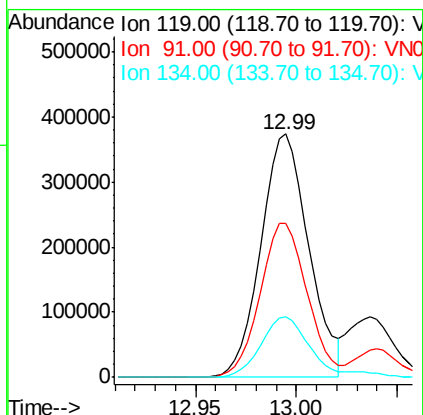
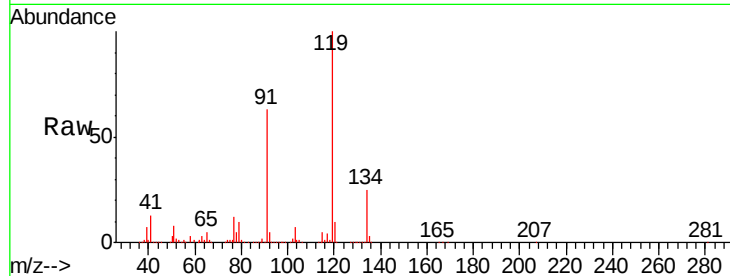




#83
 tert-Butylbenzene
 Concen: 22.259 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

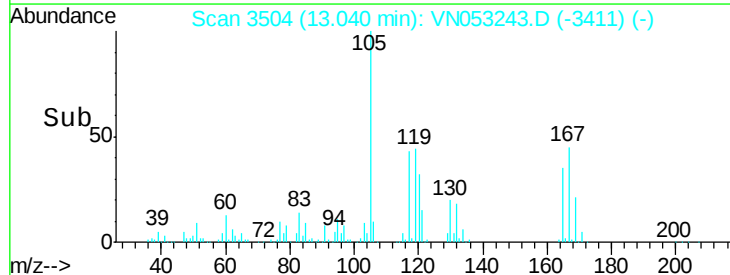
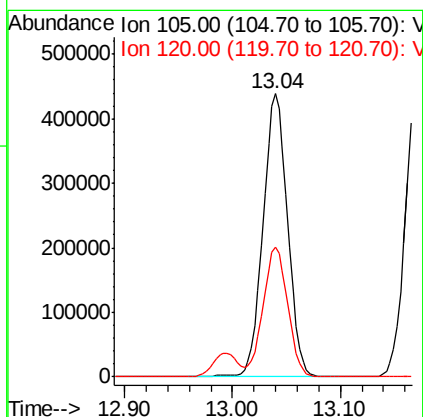
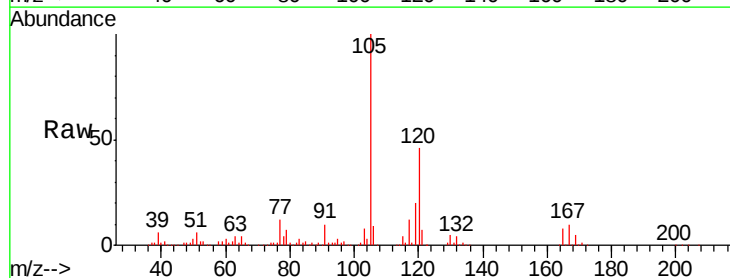
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

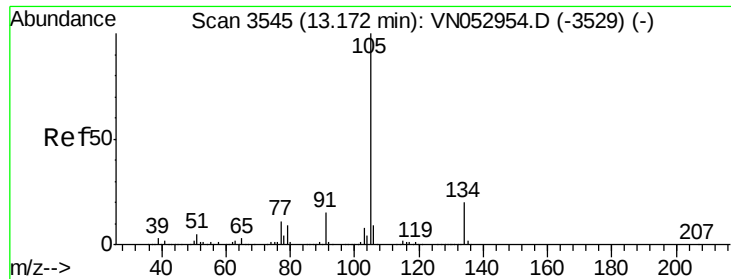
Tgt Ion:119 Resp: 619403
 Ion Ratio Lower Upper
 119 100
 91 62.0 31.9 95.5
 134 24.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.817 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion:105 Resp: 690077
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8

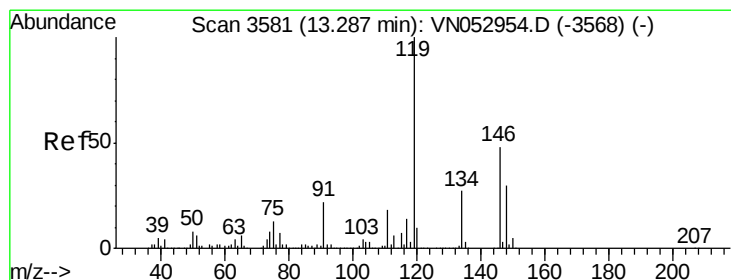
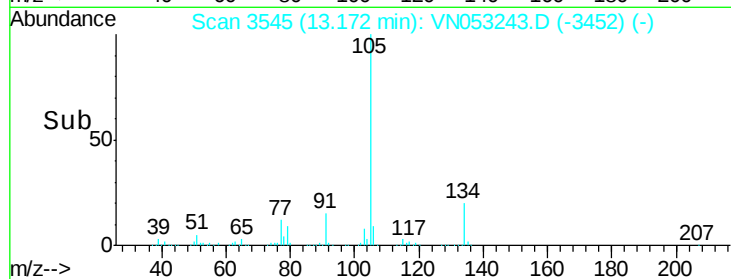
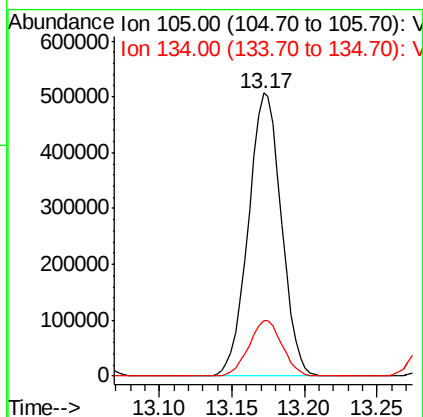
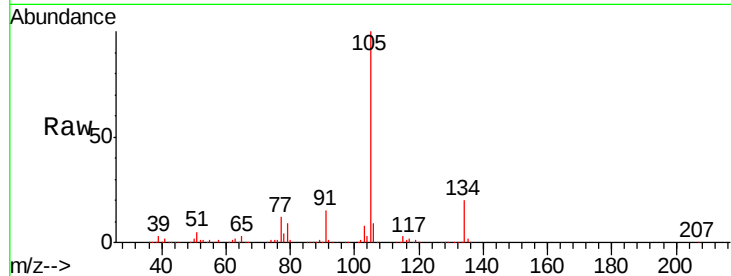




#85
 sec-Butylbenzene
 Concen: 21.385 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

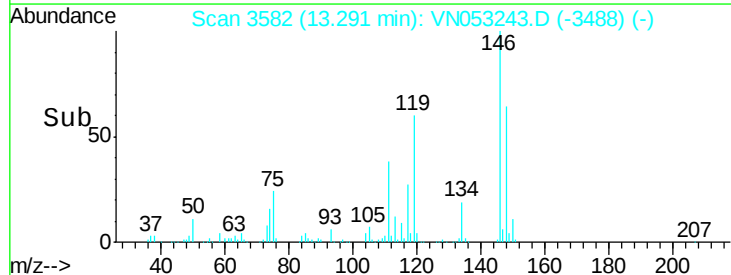
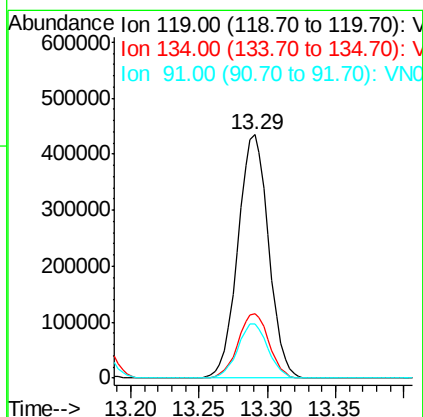
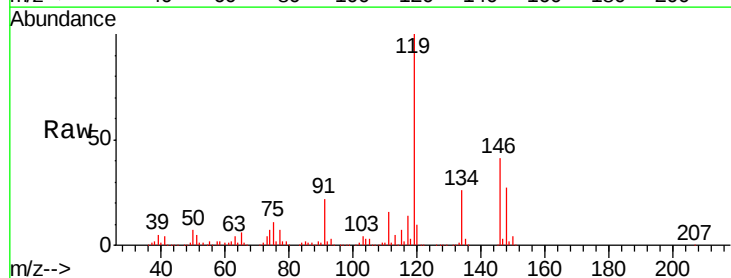
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

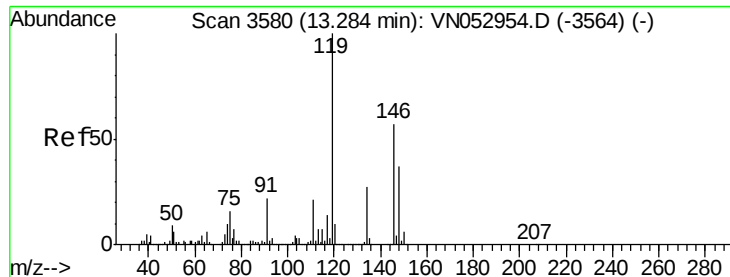
Tgt Ion:105 Resp: 804922
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 20.783 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion:119 Resp: 675925
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 21.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.772 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

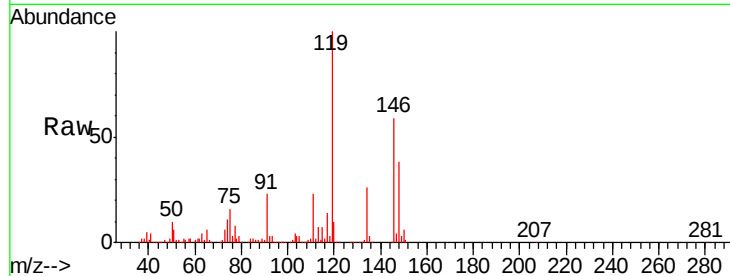
Tgt Ion:146 Resp: 368917

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.1

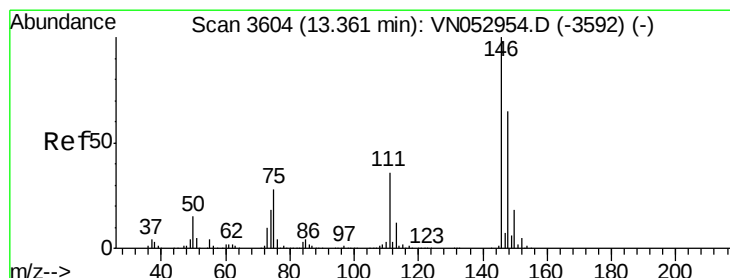
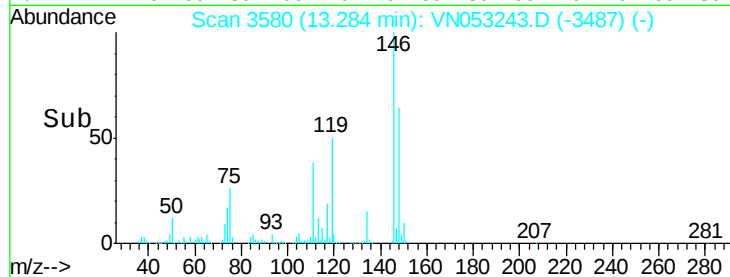
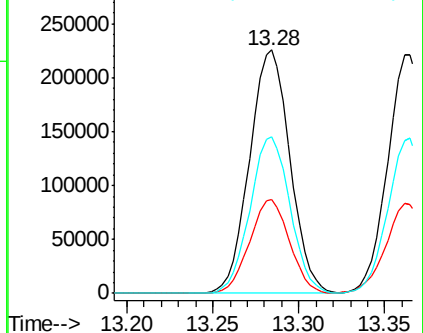
148 63.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.194 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

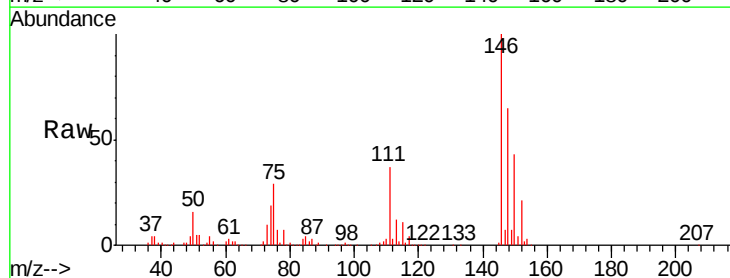
Tgt Ion:146 Resp: 363192

Ion Ratio Lower Upper

146 100

111 38.4 18.6 55.8

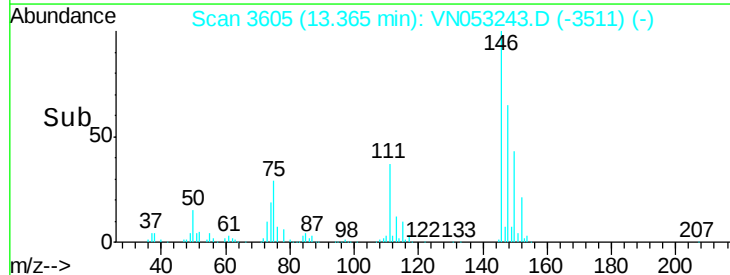
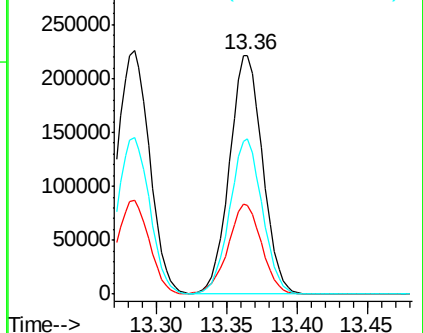
148 64.2 32.1 96.5

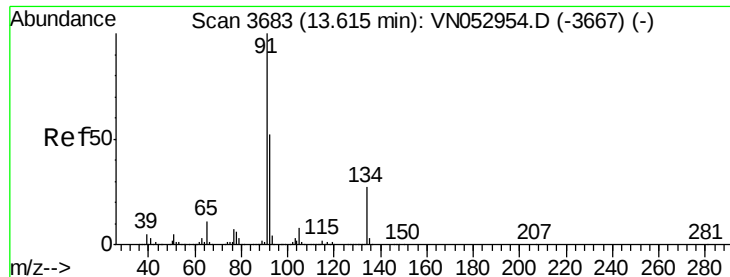


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.878 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0102WBSD02

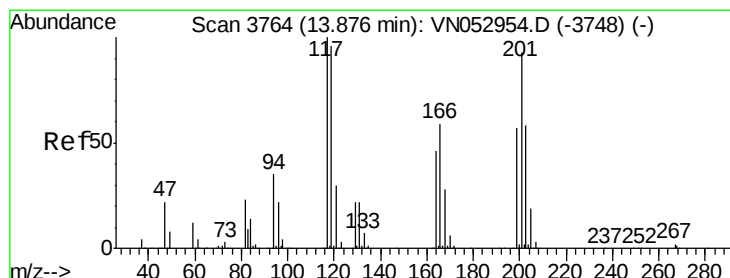
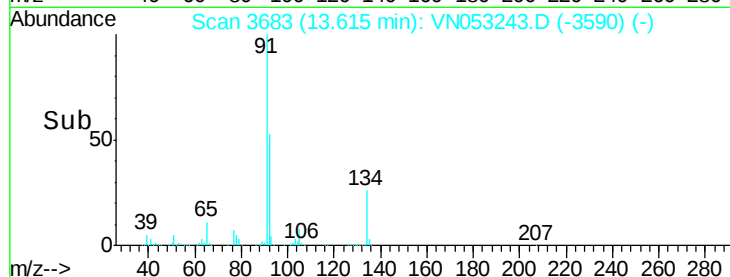
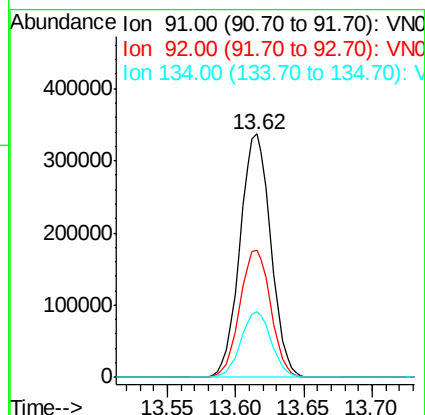
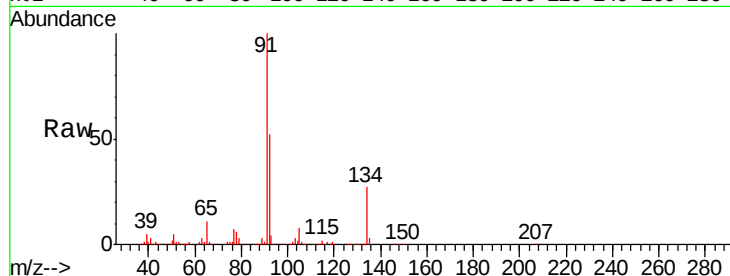
Tgt Ion: 91 Resp: 528217

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.9

134 26.7 13.3 39.8



#90

Hexachloroethane

Concen: 22.238 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053243.D

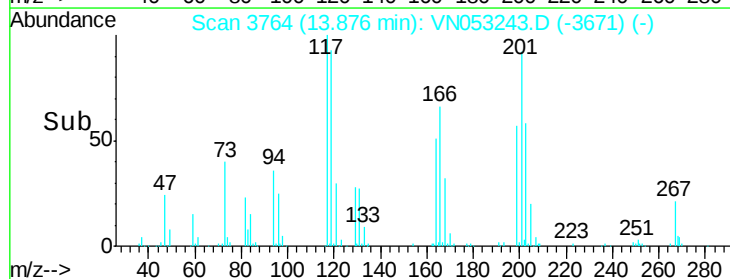
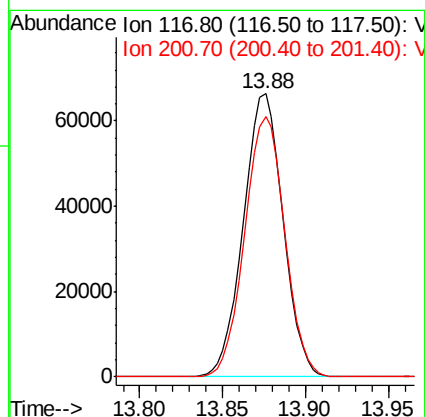
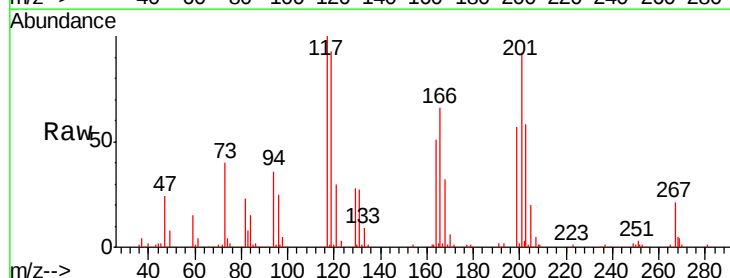
Acq: 2 Jan 2019 12:51

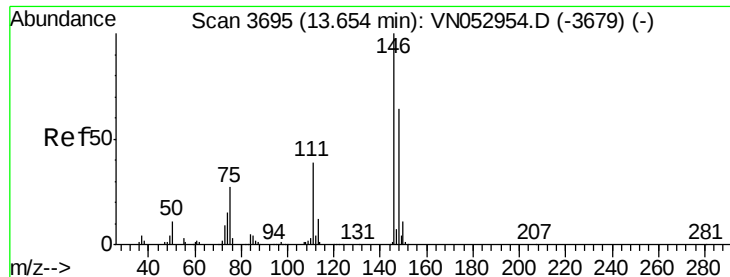
Tgt Ion: 117 Resp: 110990

Ion Ratio Lower Upper

117 100

201 92.6 45.7 137.1

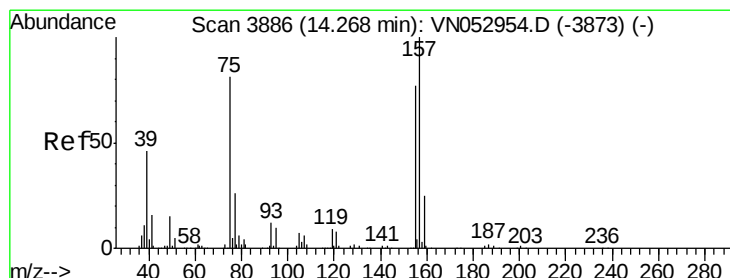
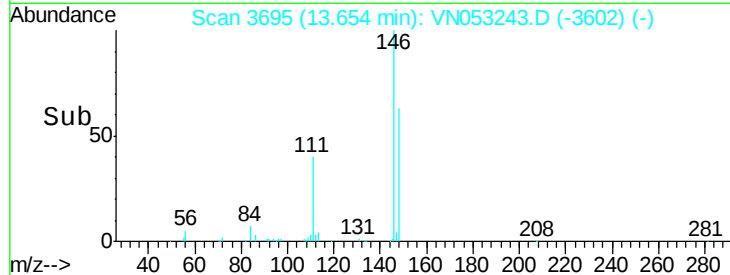
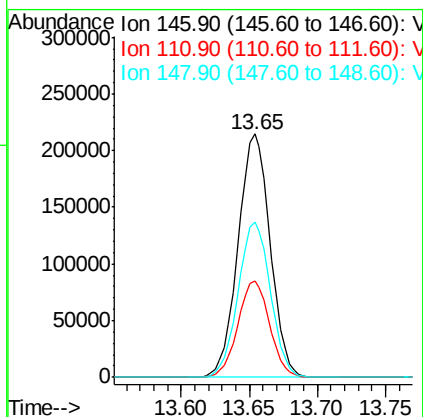
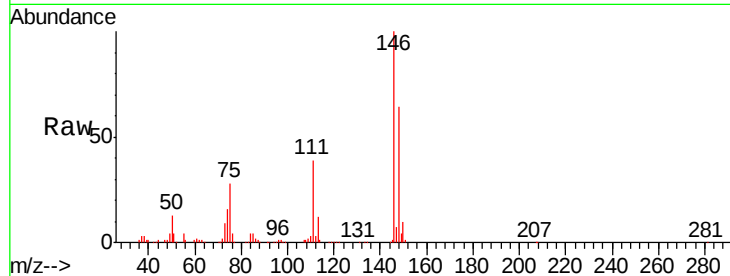




#91
 1,2-Dichlorobenzene
 Concen: 20.971 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

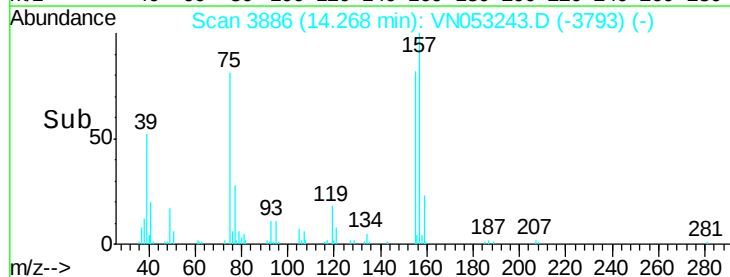
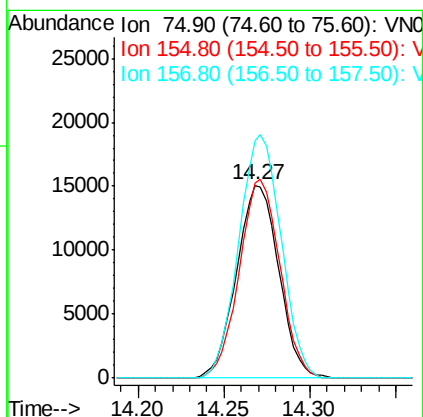
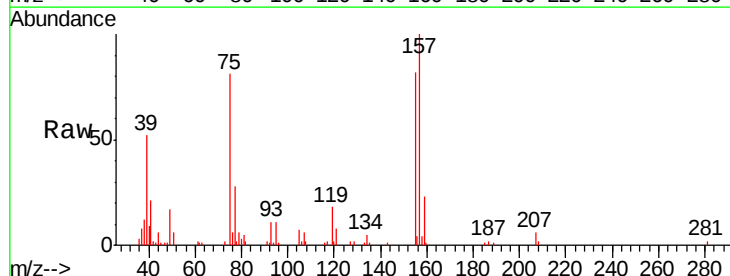
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

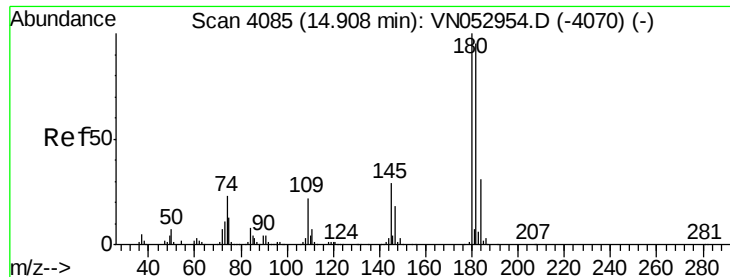
Tgt Ion:	146	Resp:	350516
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.2	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.629 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion:	75	Resp:	25703
Ion	Ratio	Lower	Upper
75	100		
155	99.2	48.2	144.6
157	126.3	61.2	183.5

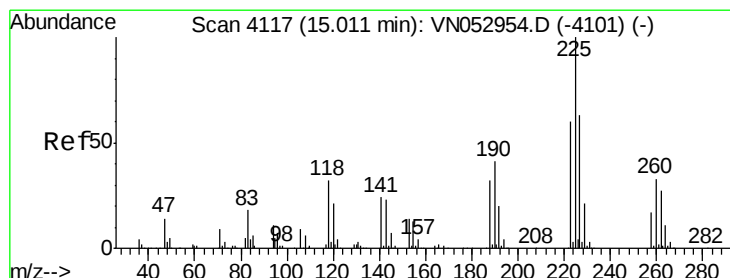
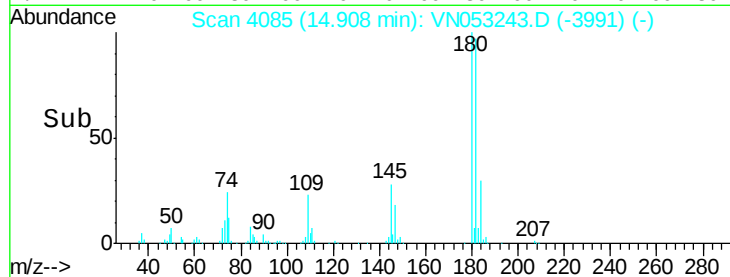
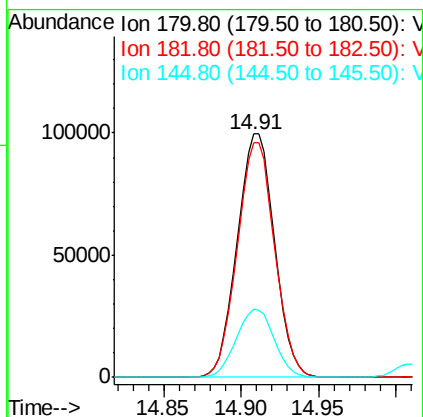
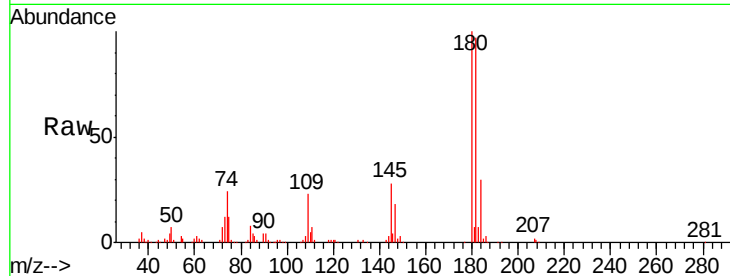




#93
 1,2,4-Trichlorobenzene
 Concen: 19.260 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

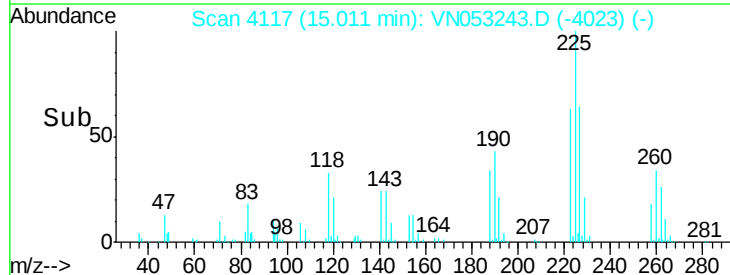
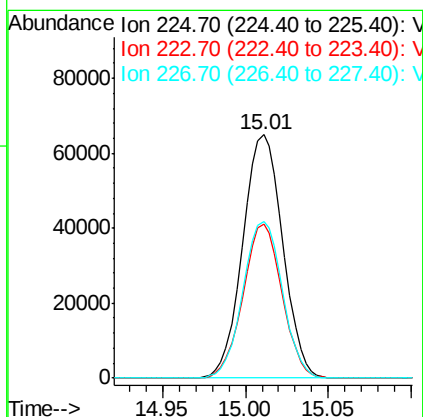
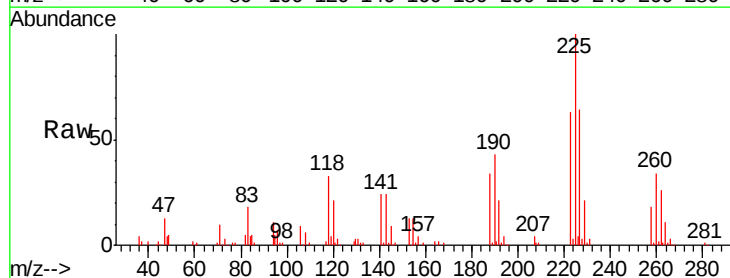
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

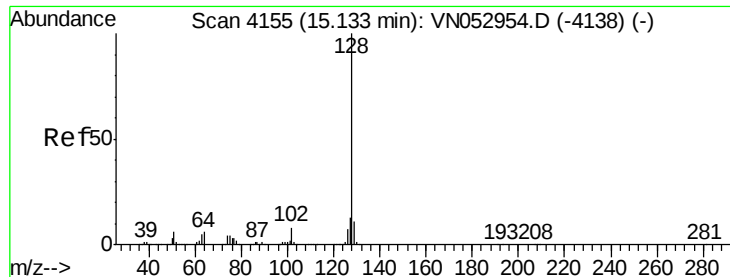
Tgt Ion:180 Resp: 167275
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.8 143.3
 145 28.3 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 22.107 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion:225 Resp: 108709
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.5 94.5
 227 63.7 31.9 95.7

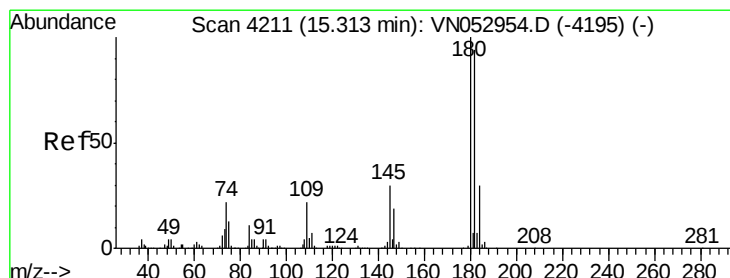
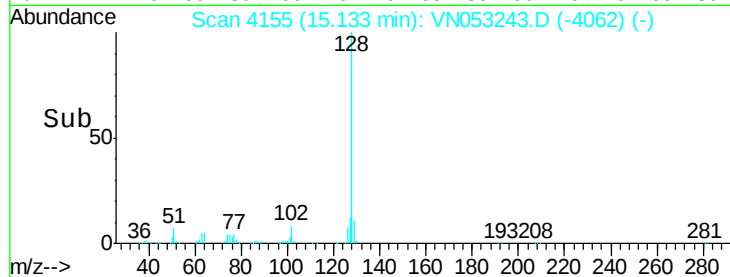
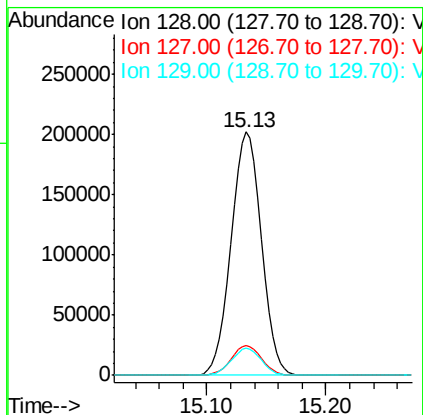
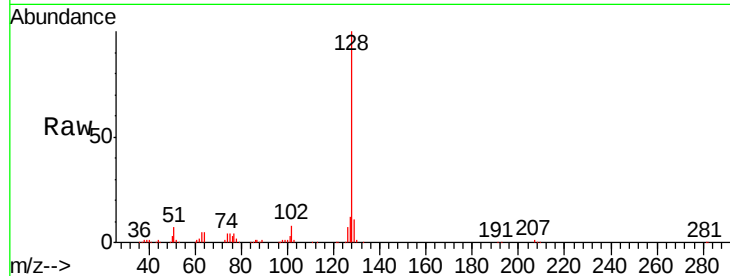




#95
Naphthalene
Concen: 19.130 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

Tgt Ion:128 Resp: 357038
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.443 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion:180 Resp: 152549
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.7
145 29.5 15.0 45.0

