

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059602.D
 Acq On : 16 Dec 2019 14:56
 Operator : JC/SP
 Sample : VN1216WBS03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

Quant Time: Dec 17 04:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	254287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	405540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	369783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166711	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	173894	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
35) Dibromofluoromethane	7.56	113	121534	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.08	98	482697	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	169523	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	59902	18.230 ug/l	99
3) Chloromethane	2.04	50	87162	16.716 ug/l	97
4) Vinyl Chloride	2.17	62	89120	18.023 ug/l	97
5) Bromomethane	2.55	94	53145	18.488 ug/l	100
6) Chloroethane	2.69	64	50501	18.172 ug/l	95
7) Trichlorofluoromethane	3.00	101	102021	18.804 ug/l	99
8) Diethyl Ether	3.38	74	32324	19.068 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	51064	18.677 ug/l	99
10) Methyl Iodide	3.92	142	66025	18.241 ug/l	99
11) Tert butyl alcohol	4.74	59	48617	71.667 ug/l #	88
12) 1,1-Dichloroethene	3.71	96	48630	18.233 ug/l	97
13) Acrolein	3.58	56	32376	66.999 ug/l	99
14) Allyl chloride	4.29	41	96521	17.629 ug/l	98
15) Acrylonitrile	4.95	53	148438	90.461 ug/l	98
16) Acetone	3.79	43	160371	73.000 ug/l	98
17) Carbon Disulfide	4.03	76	153274	17.287 ug/l	99
18) Methyl Acetate	4.29	43	77537	16.844 ug/l	99
19) Methyl tert-butyl Ether	5.01	73	173673	18.442 ug/l	98
20) Methylene Chloride	4.52	84	59592	18.782 ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	53570	18.017 ug/l	97
22) Diisopropyl ether	5.92	45	187233	18.549 ug/l	94
23) Vinyl Acetate	5.86	43	799854	100.972 ug/l	99
24) 1,1-Dichloroethane	5.82	63	107234	18.754 ug/l	98
25) 2-Butanone	6.81	43	211275	80.423 ug/l	99
26) 2,2-Dichloropropane	6.80	77	97678	18.796 ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	60649	18.408 ug/l	98
28) Bromochloromethane	7.17	49	22397	9.704 ug/l #	99
29) Tetrahydrofuran	7.18	42	137362	85.818 ug/l	100
30) Chloroform	7.35	83	105372	18.722 ug/l	100
31) Cyclohexane	7.63	56	98263	18.188 ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	91852	18.102 ug/l	99
36) 1,1-Dichloropropene	7.77	75	79372	18.768 ug/l	100
37) Ethyl Acetate	6.90	43	88320	17.968 ug/l	99
38) Carbon Tetrachloride	7.75	117	80204	18.276 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	91420	19.057	ug/l	98
40) Benzene	8.02	78	234031	18.936	ug/l	99
41) Methacrylonitrile	7.18	41	126463	62.340	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	90211	19.059	ug/l	100
43) Isopropyl Acetate	8.14	43	140432	18.376	ug/l	100
44) Trichloroethene	8.82	130	59562	18.399	ug/l	100
45) 1,2-Dichloropropane	9.10	63	61959	18.565	ug/l	99
46) Dibromomethane	9.19	93	40692	18.610	ug/l	99
47) Bromodichloromethane	9.39	83	82054	18.822	ug/l	98
48) Methyl methacrylate	9.18	41	62081	17.905	ug/l	98
49) 1,4-Dioxane	9.18	88	13999	281.739	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	417446	91.616	ug/l	99
52) Toluene	10.14	92	143083	18.842	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	91784	18.205	ug/l	93
54) cis-1,3-Dichloropropene	9.83	75	98182	18.526	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	55554	18.643	ug/l	98
56) Ethyl methacrylate	10.42	69	78653	17.779	ug/l	98
57) 1,3-Dichloropropane	10.70	76	97013	18.698	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	144703	102.849	ug/l	100
59) 2-Hexanone	10.74	43	307594	85.655	ug/l	100
60) Dibromochloromethane	10.90	129	60194	18.508	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56855	17.990	ug/l	99
64) Tetrachloroethene	10.62	164	54203	15.724	ug/l	99
65) Chlorobenzene	11.43	112	146873	18.356	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	56000	18.426	ug/l	99
67) Ethyl Benzene	11.51	91	265110	18.356	ug/l	100
68) m/p-Xylenes	11.62	106	196795	36.900	ug/l	98
69) o-Xylene	11.94	106	93549	18.435	ug/l	98
70) Styrene	11.96	104	144541	17.728	ug/l	98
71) Bromoform	12.12	173	41085	17.984	ug/l #	98
73) Isopropylbenzene	12.25	105	251909	19.249	ug/l	100
74) N-amyl acetate	12.07	43	107695	17.940	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	79180	19.073	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	113621	27.531	ug/l #	100
77) Bromobenzene	12.52	156	60745	18.874	ug/l	99
78) n-propylbenzene	12.59	91	293865	18.996	ug/l	100
79) 2-Chlorotoluene	12.67	91	174907	18.698	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	212690	19.205	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29137	17.438	ug/l	96
82) 4-Chlorotoluene	12.77	91	181002	18.898	ug/l	100
83) tert-Butylbenzene	12.99	119	179611	19.151	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	209813	19.053	ug/l	100
85) sec-Butylbenzene	13.17	105	241608	19.366	ug/l	100
86) p-Isopropyltoluene	13.29	119	216239	19.137	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105904	17.895	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	104686	17.545	ug/l	98
89) n-Butylbenzene	13.61	91	194585	18.368	ug/l	98
90) Hexachloroethane	13.87	117	40436	18.932	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	104432	17.893	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18698	17.204	ug/l	95

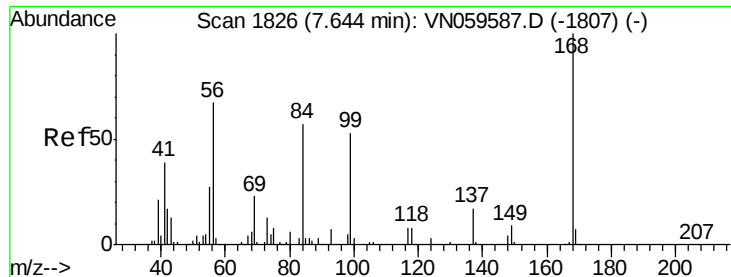
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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59821	15.873	ug/l	98
94) Hexachlorobutadiene	15.01	225	36173	18.735	ug/l	97
95) Naphthalene	15.12	128	169898	15.101	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	61108	16.031	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

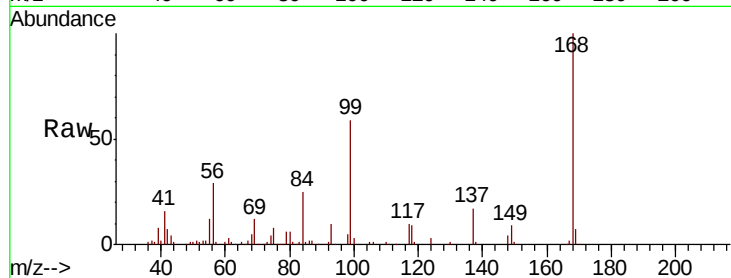
VN1216WBS03

Tgt Ion:168 Resp: 254287

Ion Ratio Lower Upper

168 100

99 58.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

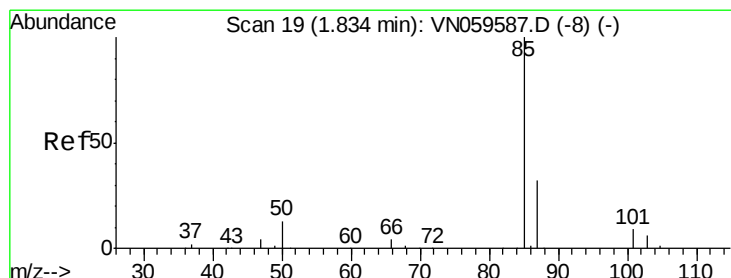
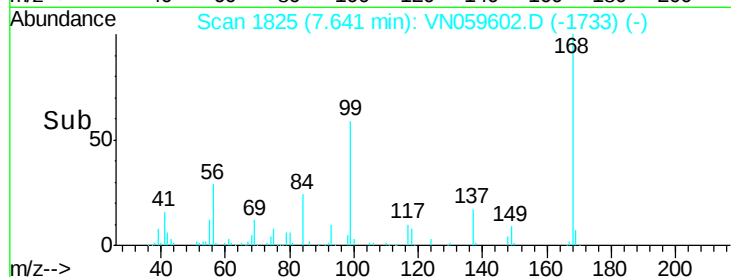
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.230 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059602.D

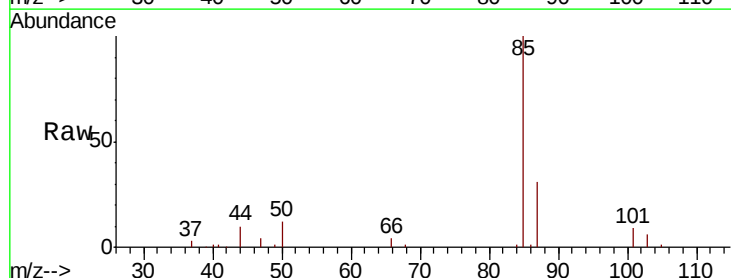
Acq: 16 Dec 2019 14:56

Tgt Ion: 85 Resp: 59902

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

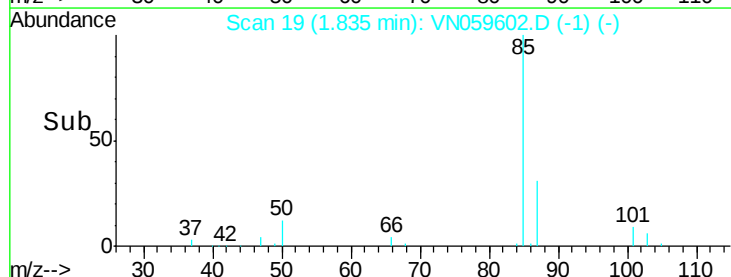
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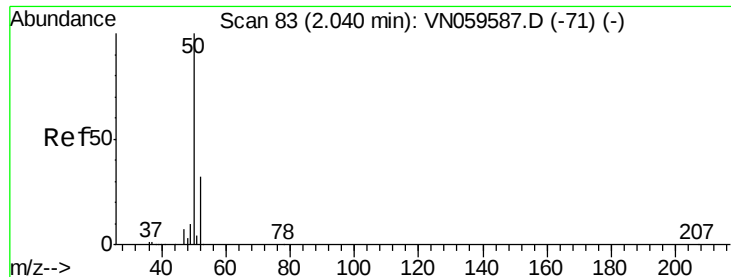
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 16.716 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

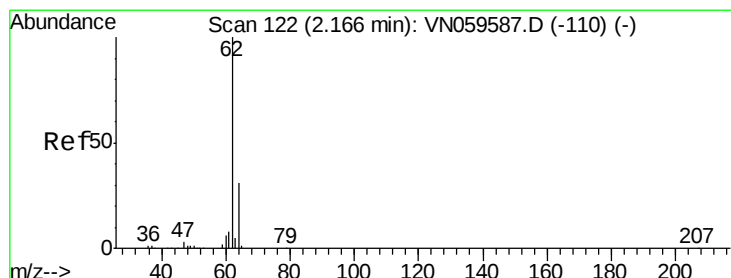
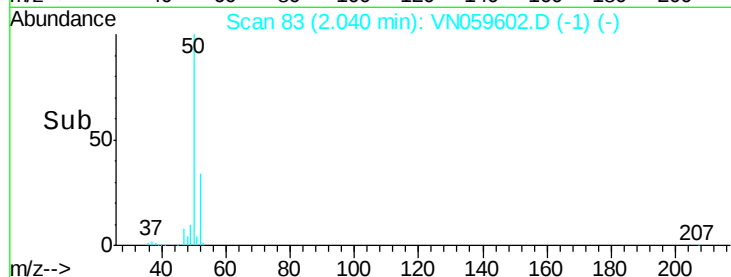
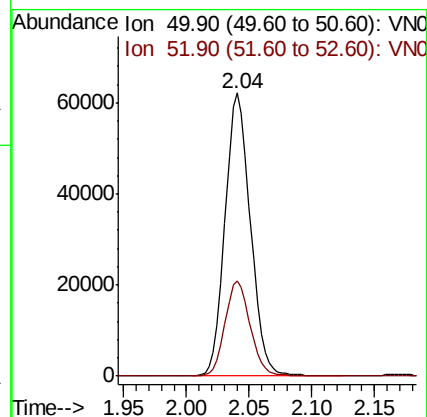
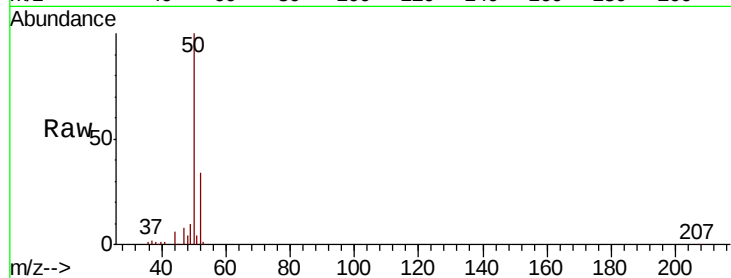
VN1216WBS03

Tgt Ion: 50 Resp: 87162

Ion Ratio Lower Upper

50 100

52 33.8 25.9 38.9



#4

Vinyl Chloride

Concen: 18.023 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059602.D

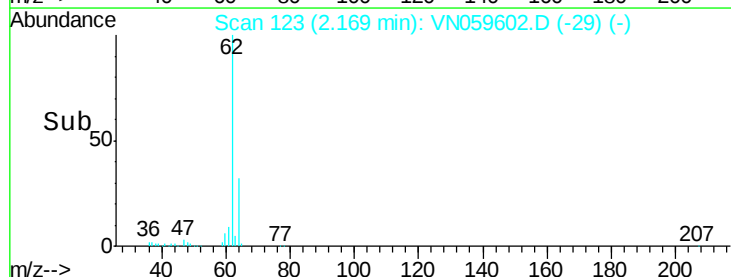
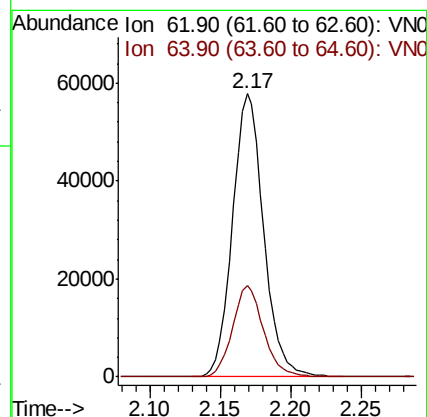
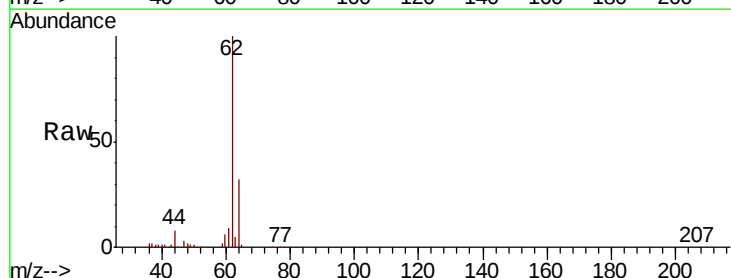
Acq: 16 Dec 2019 14:56

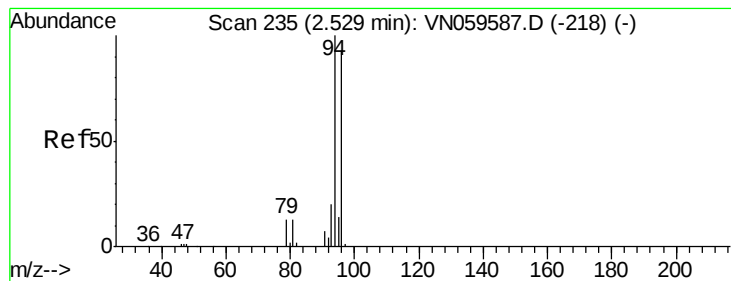
Tgt Ion: 62 Resp: 89120

Ion Ratio Lower Upper

62 100

64 32.3 24.6 37.0





#5

Bromomethane

Concen: 18.488 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

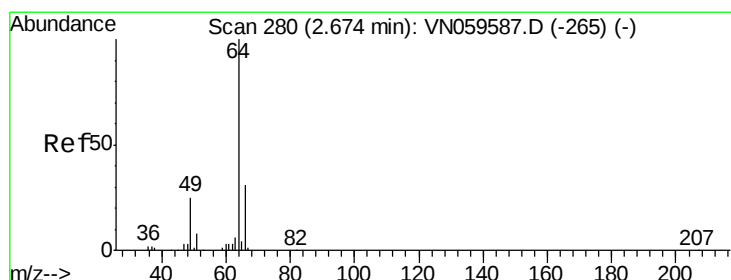
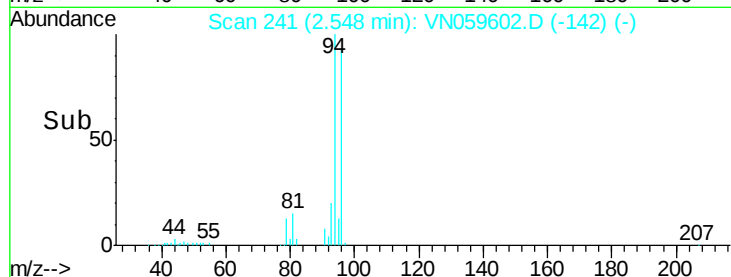
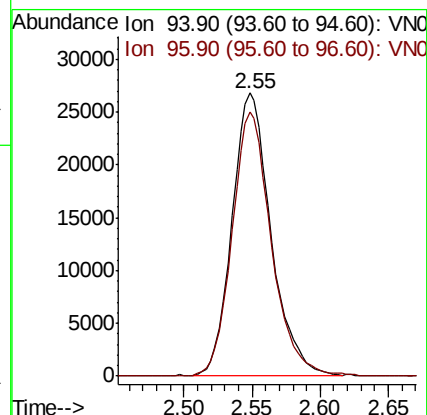
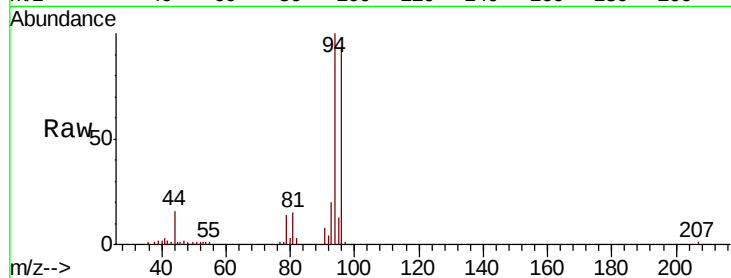
VN1216WBS03

Tgt Ion: 94 Resp: 53145

Ion Ratio Lower Upper

94 100

96 93.3 74.7 112.1



#6

Chloroethane

Concen: 18.172 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059602.D

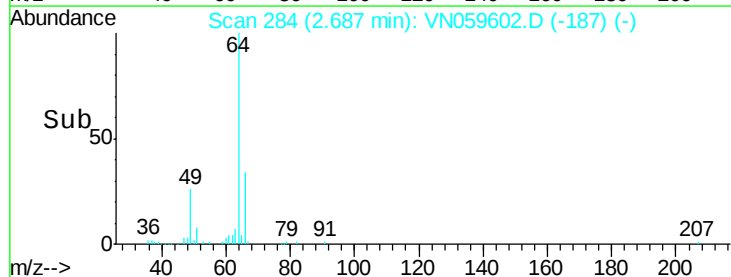
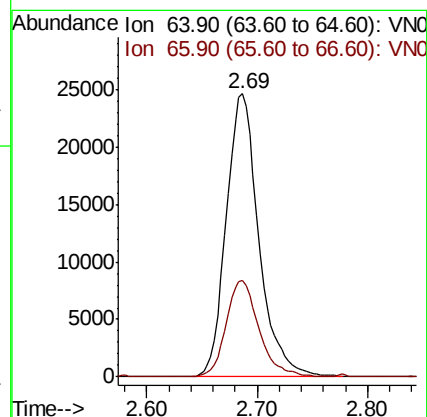
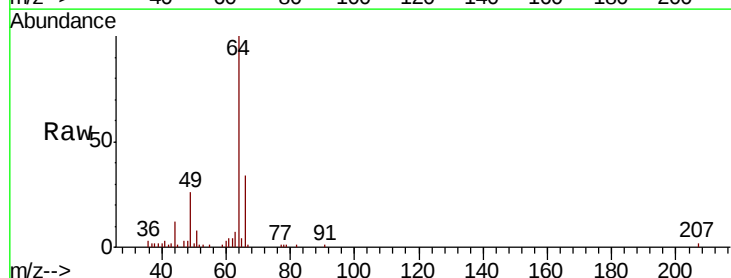
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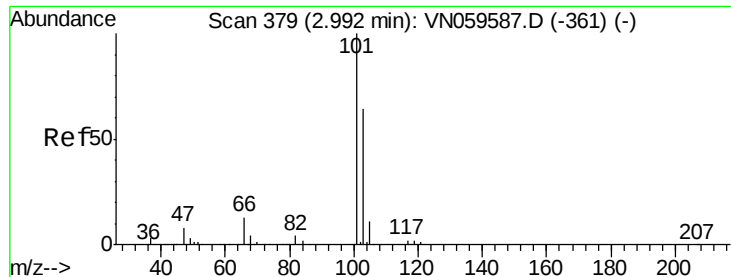
Tgt Ion: 64 Resp: 50501

Ion Ratio Lower Upper

64 100

66 34.1 25.1 37.7



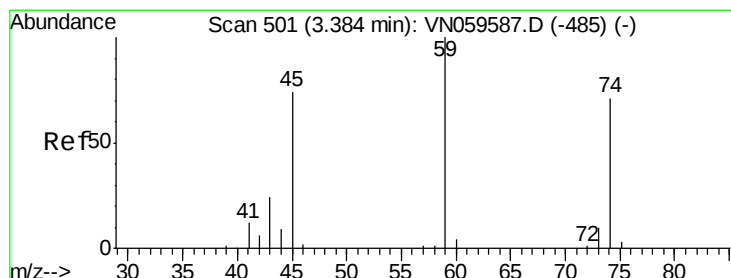
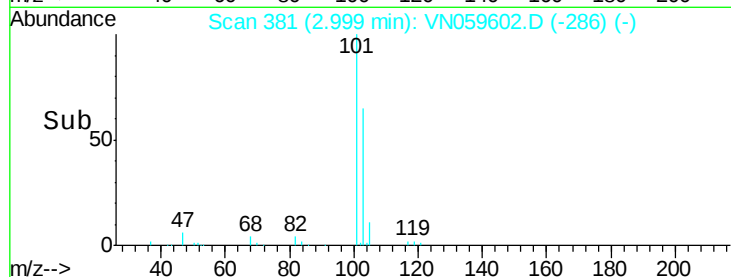
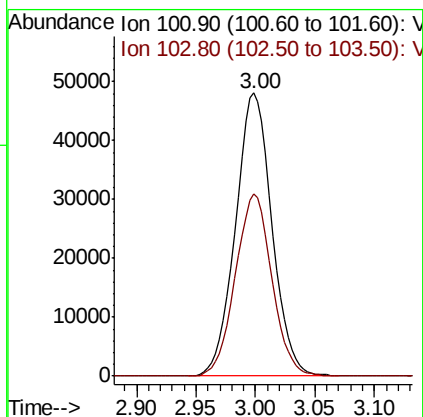
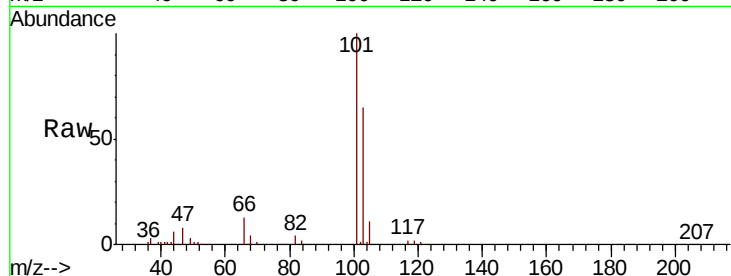


#7

Trichlorofluoromethane
 Concen: 18.804 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

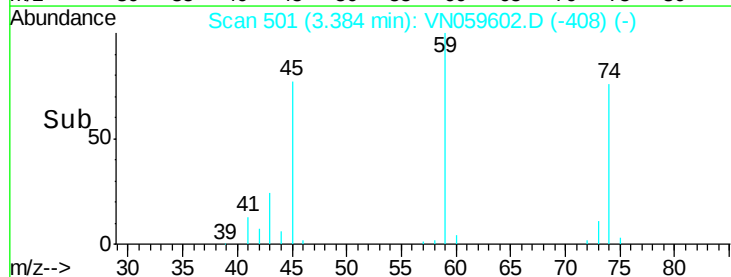
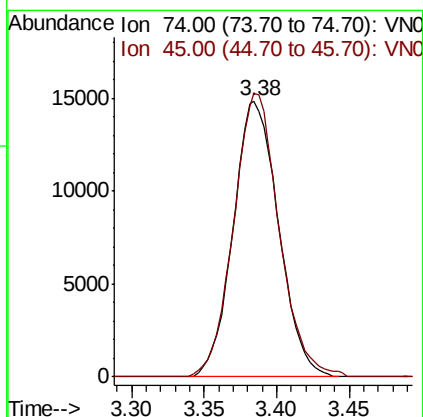
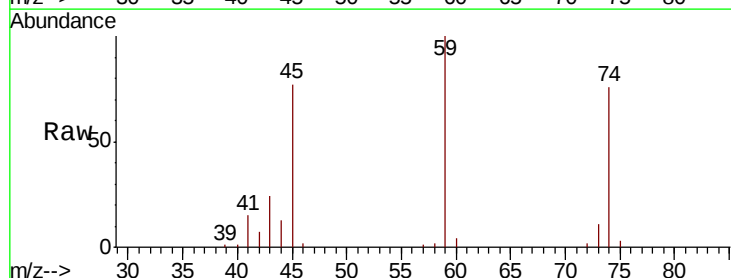
Tgt Ion: 101 Resp: 102021
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.0 76.6

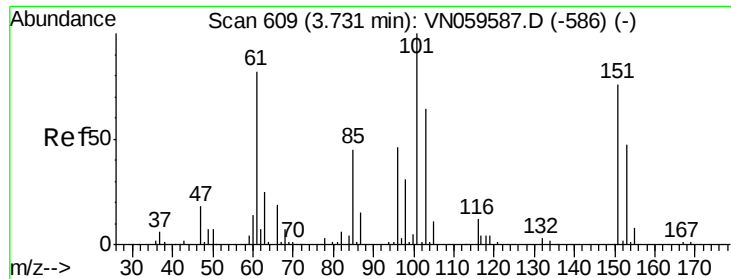


#8

Diethyl Ether
 Concen: 19.068 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion: 74 Resp: 32324
 Ion Ratio Lower Upper
 74 100
 45 102.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.677 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

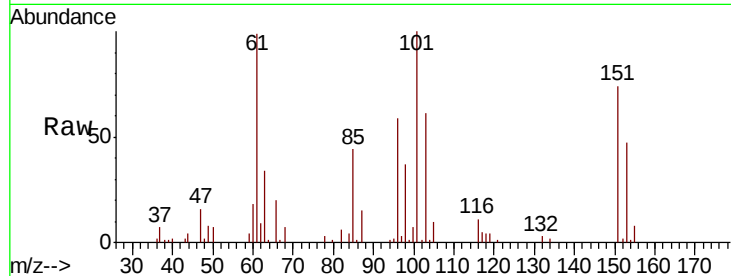
Tgt Ion:101 Resp: 51064

Ion Ratio Lower Upper

101 100

85 44.4 36.6 54.8

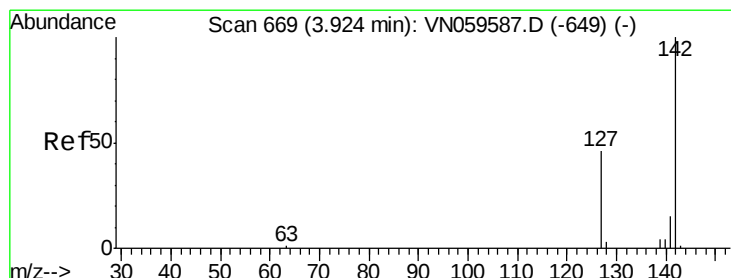
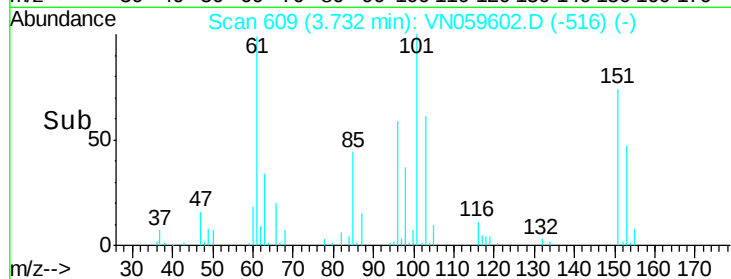
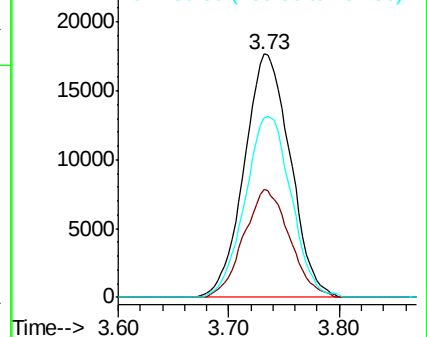
151 74.7 59.7 89.5



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: 18.241 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

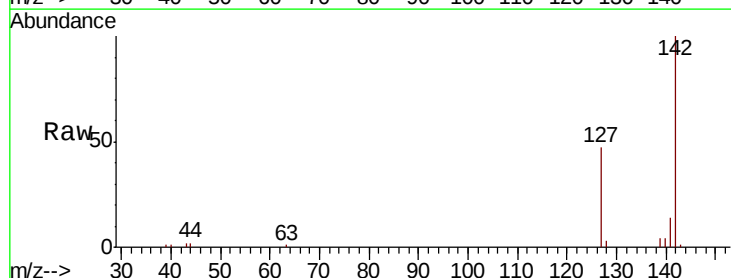
Tgt Ion:142 Resp: 66025

Ion Ratio Lower Upper

142 100

127 45.5 36.7 55.1

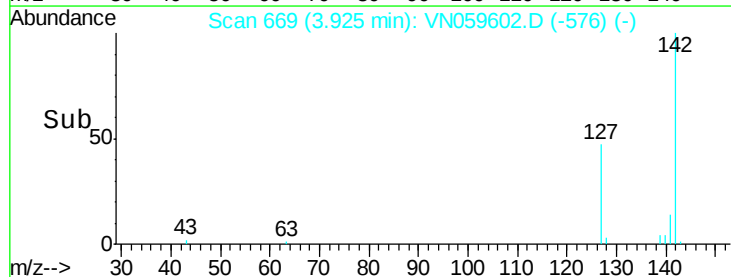
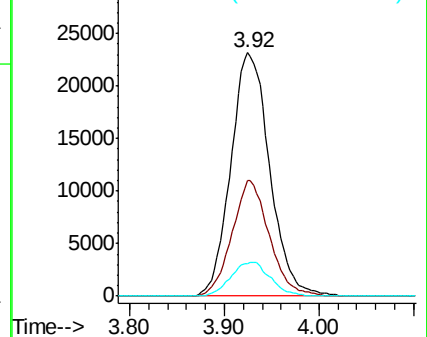
141 14.1 11.7 17.5

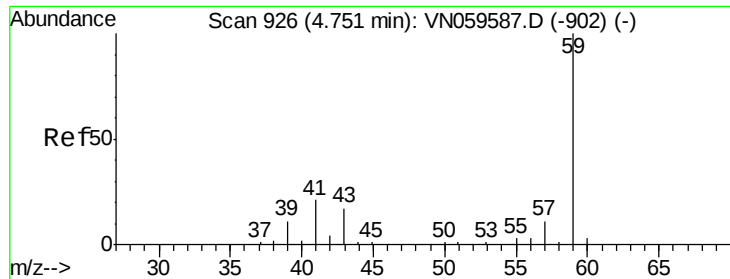


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

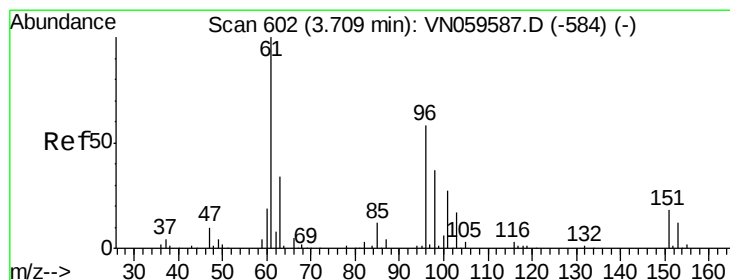
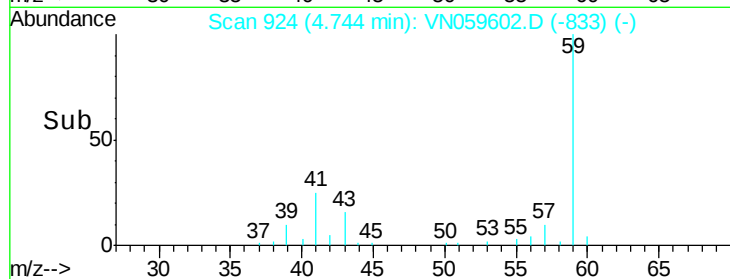
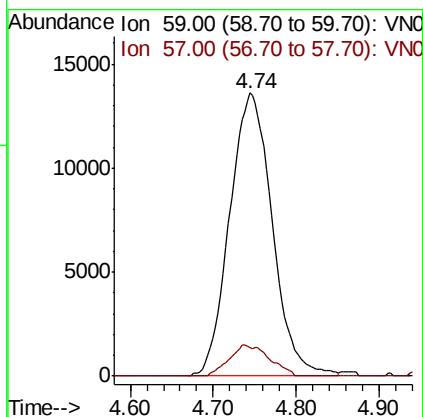
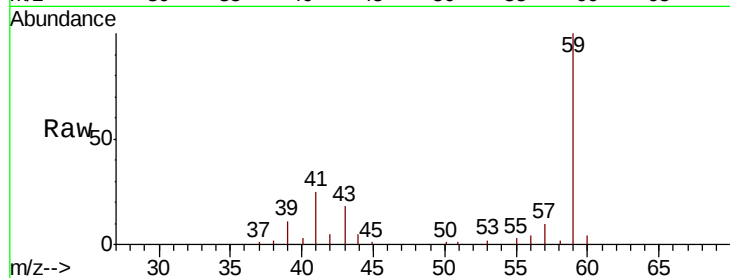




#11
Tert butyl alcohol
Concen: 71.667 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

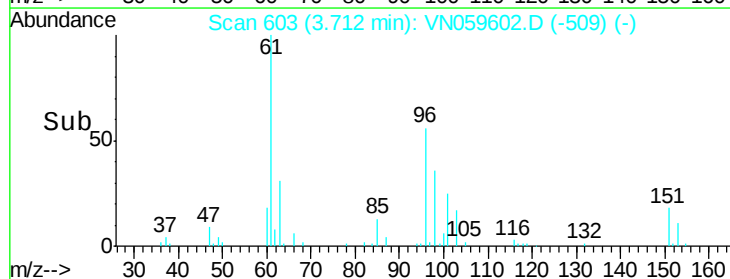
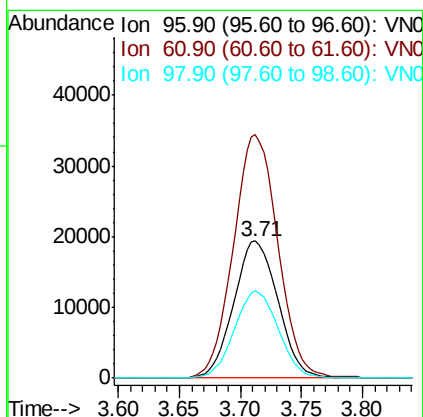
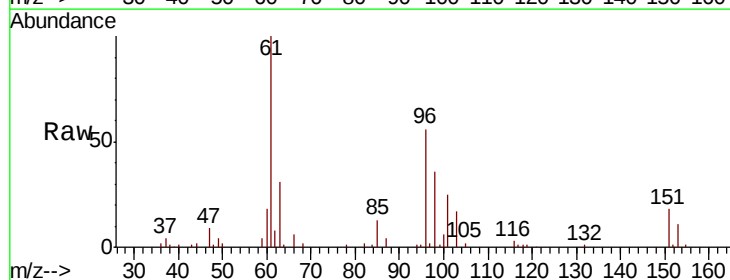
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

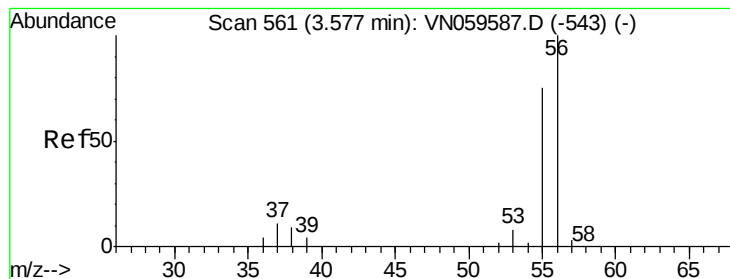
Tgt Ion: 59 Resp: 48617
Ion Ratio Lower Upper
59 100
57 6.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 18.233 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion: 96 Resp: 48630
Ion Ratio Lower Upper
96 100
61 177.6 137.5 206.3
98 63.6 50.2 75.4





#13

Acrolein

Concen: 66.999 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampled :

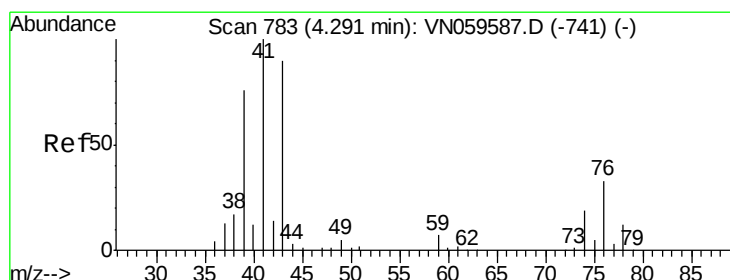
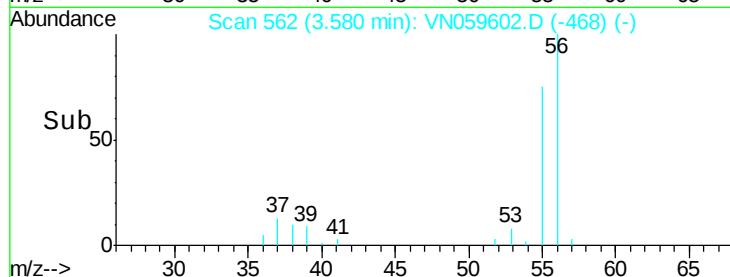
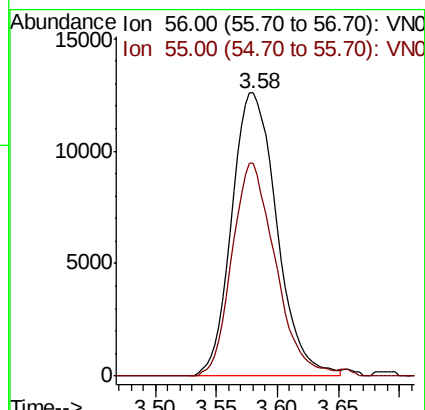
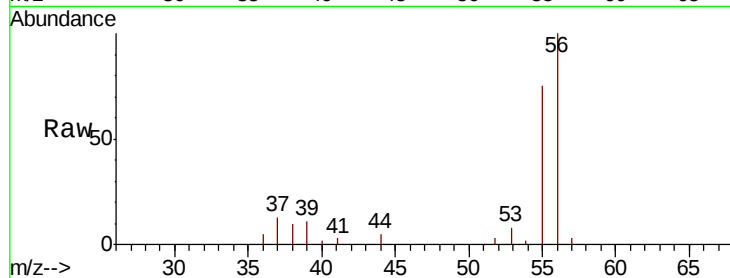
VN1216WBS03

Tgt Ion: 56 Resp: 32376

Ion Ratio Lower Upper

56 100

55 72.3 58.6 88.0



#14

Allyl chloride

Concen: 17.629 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

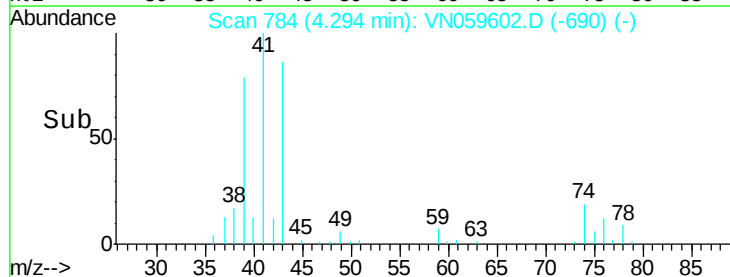
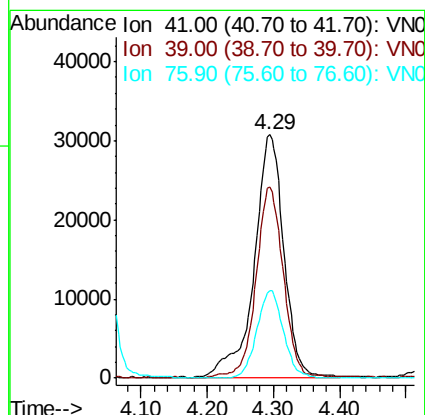
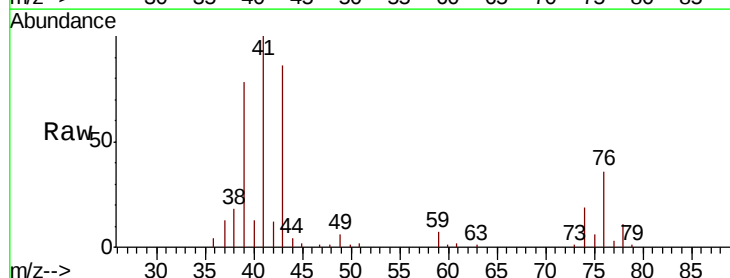
Tgt Ion: 41 Resp: 96521

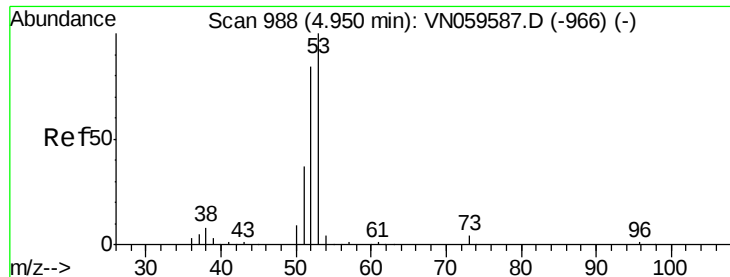
Ion Ratio Lower Upper

41 100

39 69.5 57.8 86.8

76 31.8 25.4 38.0





#15

Acrylonitrile

Concen: 90.461 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

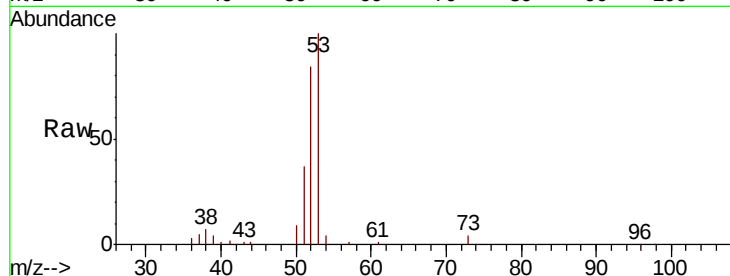
Tgt Ion: 53 Resp: 148438

Ion Ratio Lower Upper

53 100

52 80.8 66.3 99.5

51 37.0 29.7 44.5

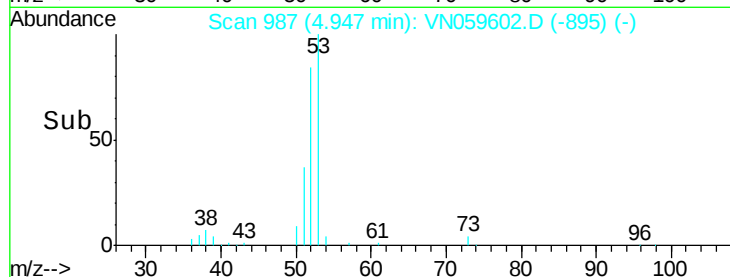


Abundance Ion 53.00 (52.70 to 53.70): VN059587.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059587.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059587.D (-966) (-)

Time-->

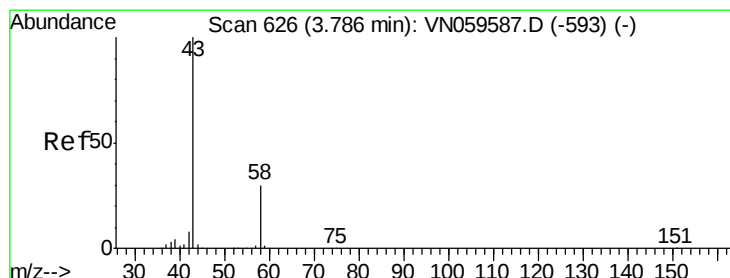


Abundance Ion 53.00 (52.70 to 53.70): VN059602.D (-895) (-)

Ion 52.00 (51.70 to 52.70): VN059602.D (-895) (-)

Ion 51.00 (50.70 to 51.70): VN059602.D (-895) (-)

Time-->



#16

Acetone

Concen: 73.000 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059602.D

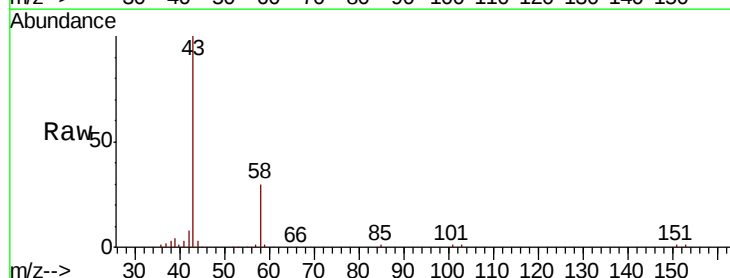
Acq: 16 Dec 2019 14:56

Tgt Ion: 43 Resp: 160371

Ion Ratio Lower Upper

43 100

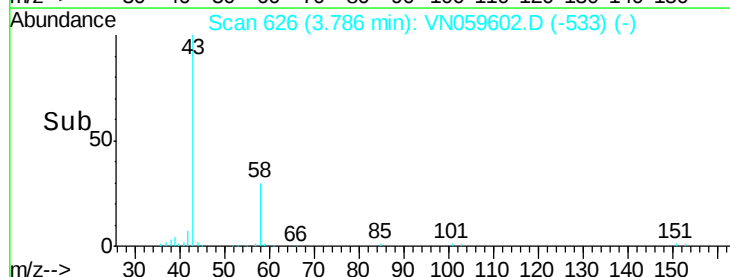
58 30.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)

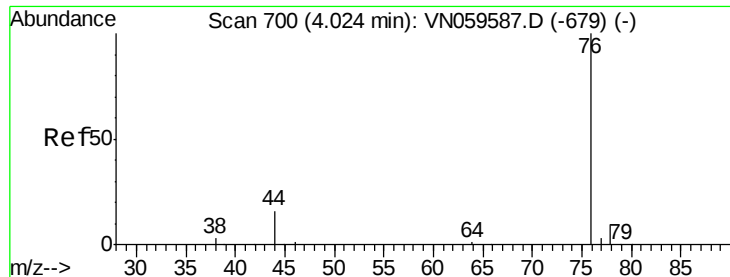
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN059602.D (-533) (-)

Ion 58.00 (57.70 to 58.70): VN059602.D (-533) (-)

Time-->



#17

Carbon Disulfide

Concen: 17.287 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

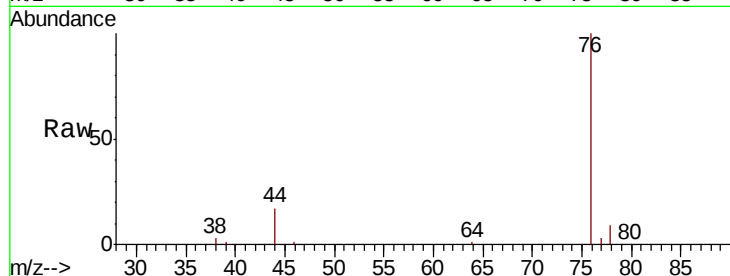
VN1216WBS03

Tgt Ion: 76 Resp: 153274

Ion Ratio Lower Upper

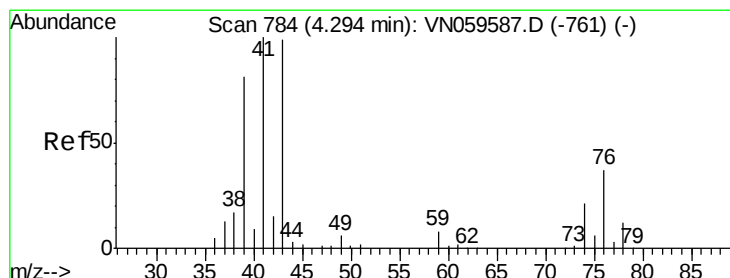
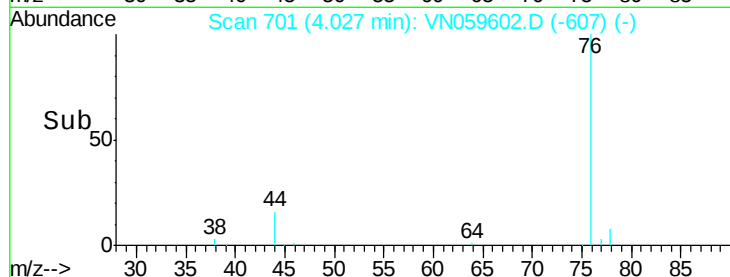
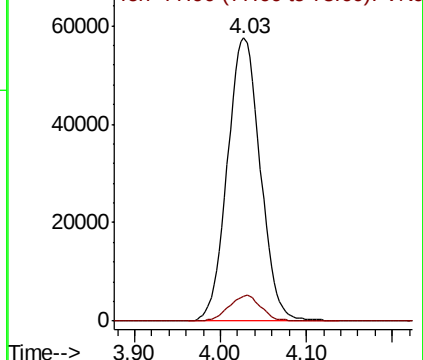
76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 16.844 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059602.D

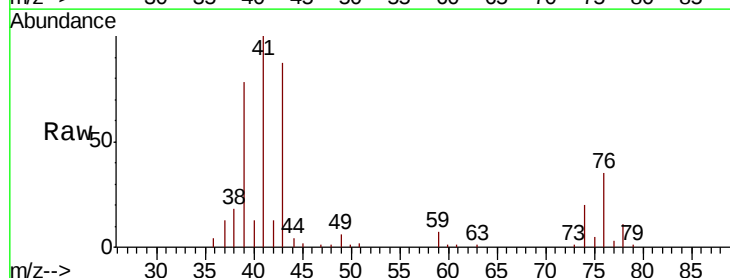
Acq: 16 Dec 2019 14:56

Tgt Ion: 43 Resp: 77537

Ion Ratio Lower Upper

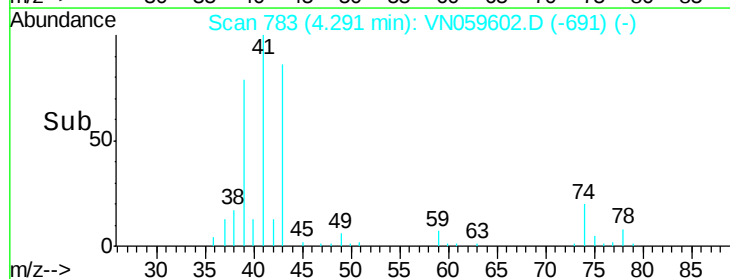
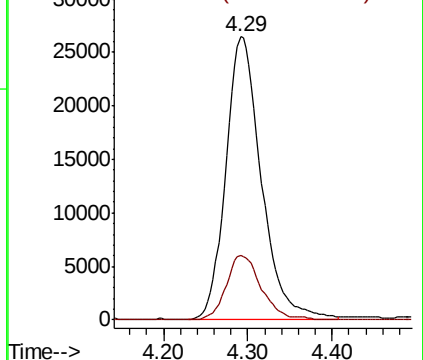
43 100

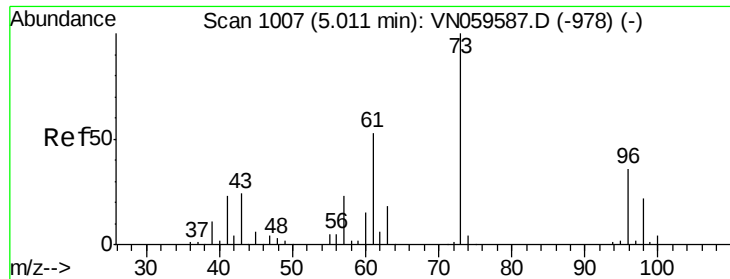
74 22.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

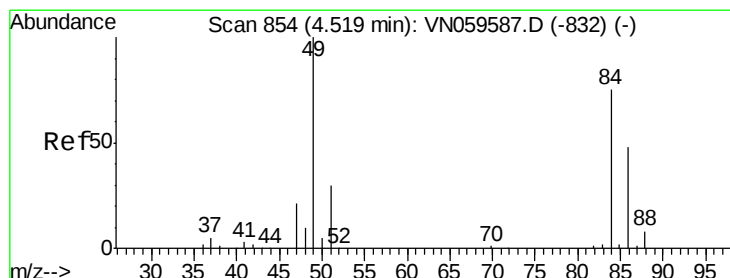
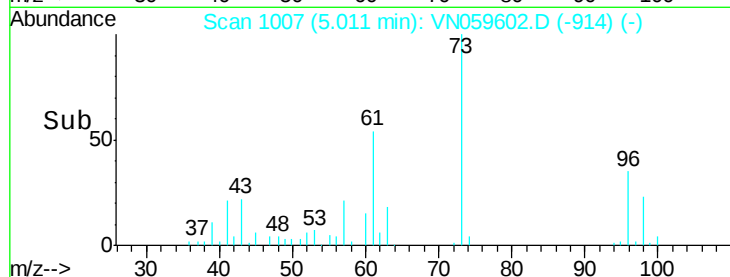
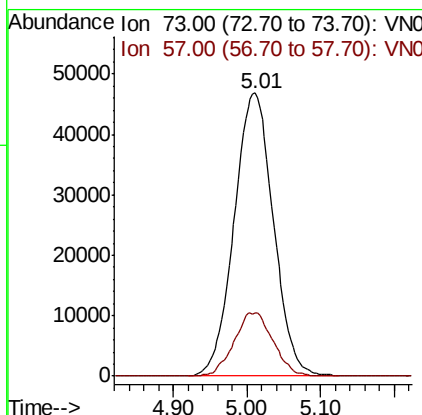
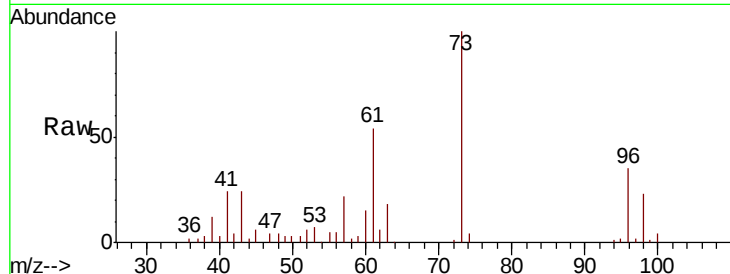




#19
Methyl tert-butyl Ether
Concen: 18.442 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

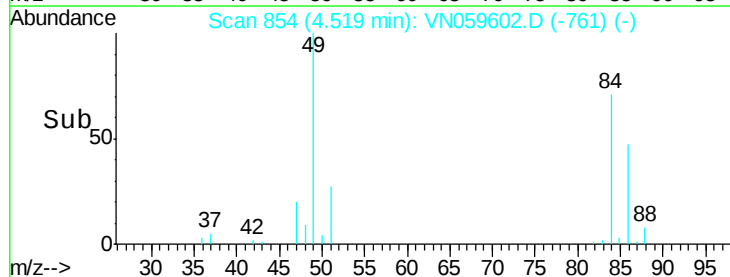
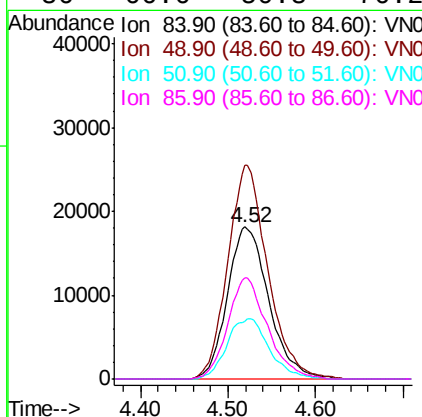
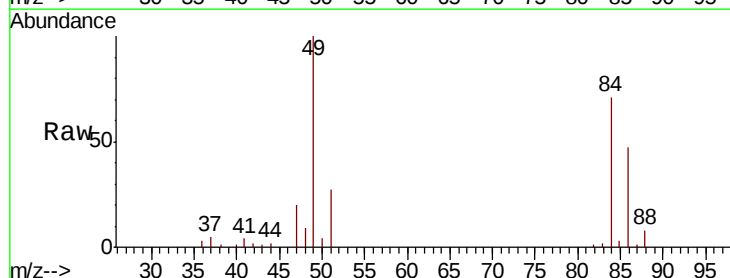
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

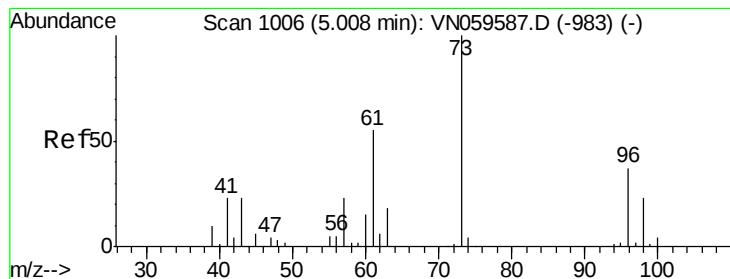
Tgt Ion: 73 Resp: 173673
Ion Ratio Lower Upper
73 100
57 22.1 18.6 27.8



#20
Methylene Chloride
Concen: 18.782 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion: 84 Resp: 59592
Ion Ratio Lower Upper
84 100
49 140.2 106.6 160.0
51 38.1 31.9 47.9
86 66.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.017 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

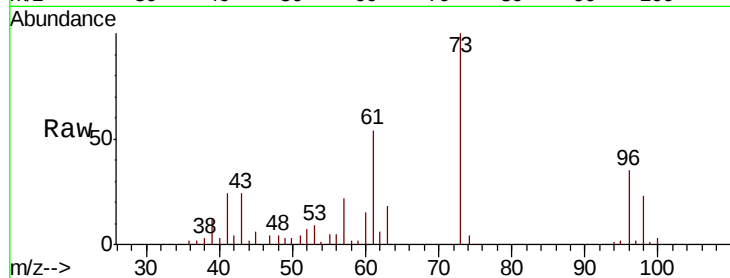
Tgt Ion: 96 Resp: 53570

Ion Ratio Lower Upper

96 100

61 153.8 120.4 180.6

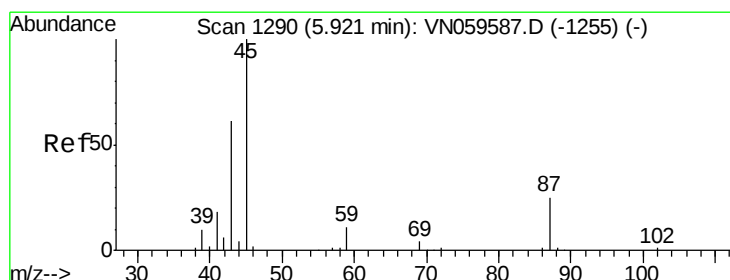
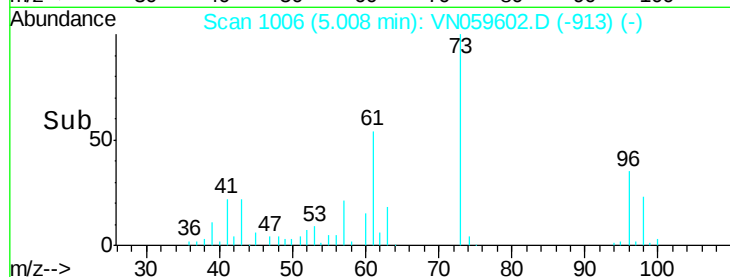
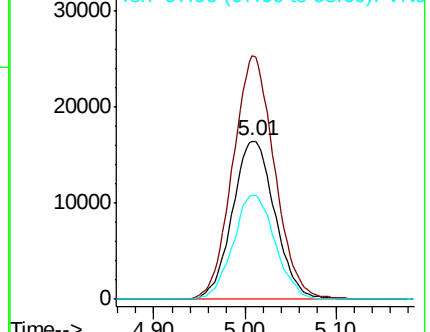
98 65.9 50.6 75.8



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: 18.549 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion: 45 Resp: 187233

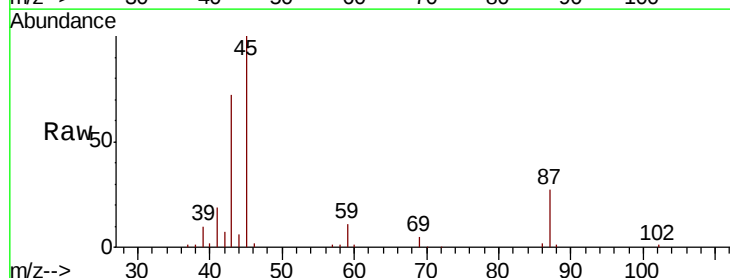
Ion Ratio Lower Upper

45 100

43 69.8 50.8 76.2

87 27.2 21.0 31.6

59 10.7 9.1 13.7

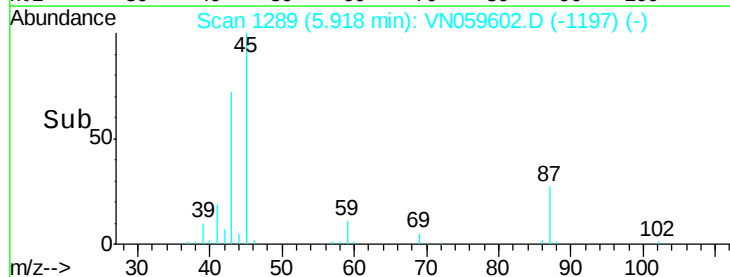
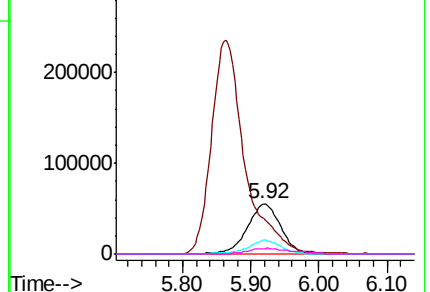


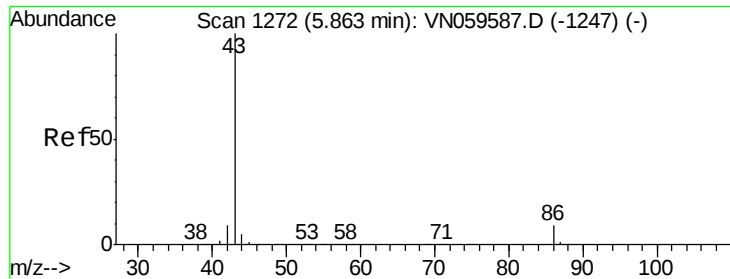
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 100.972 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

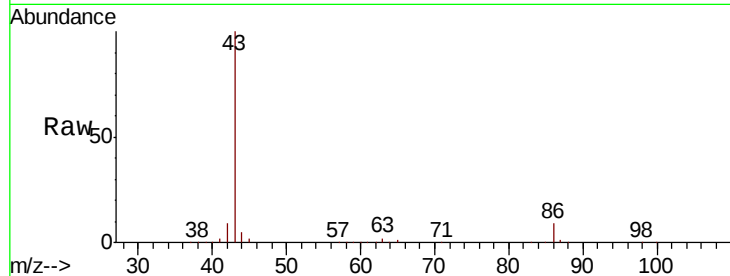
VN1216WBS03

Tgt Ion: 43 Resp: 799854

Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059602.D (-1179) (-)

Ion 86.00 (85.70 to 86.70): VN059602.D (-1179) (-)

5.86

250000

200000

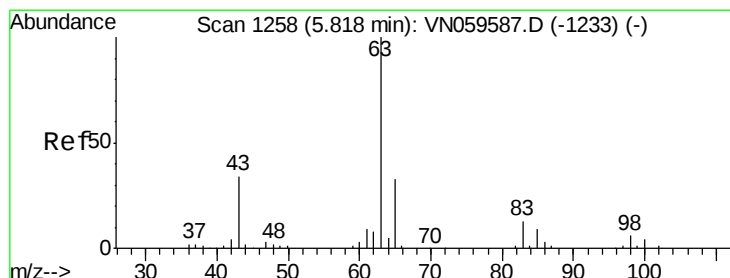
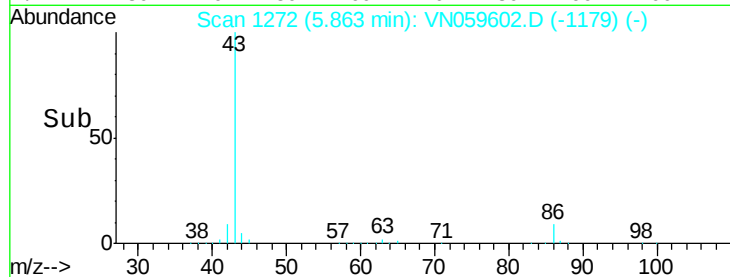
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.754 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

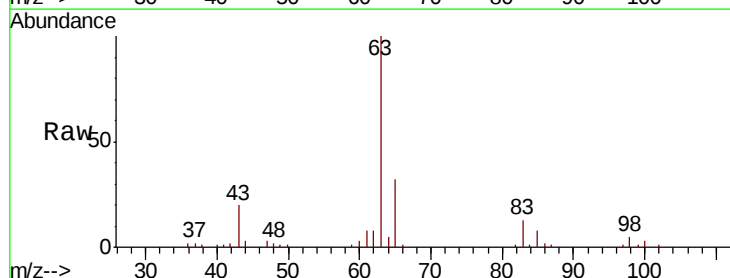
Tgt Ion: 63 Resp: 107234

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.7

100 3.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059602.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059602.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059602.D (-1165) (-)

5.82

40000

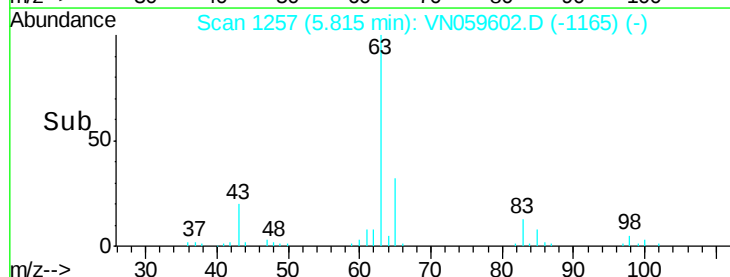
30000

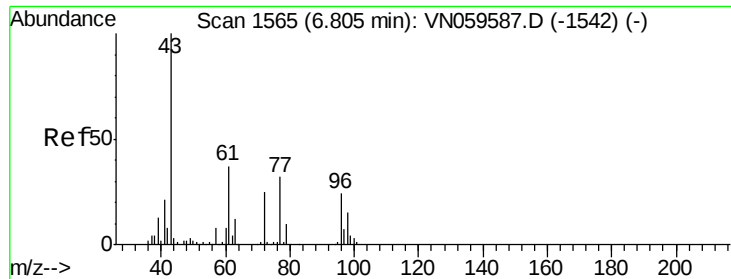
20000

10000

0

Time--> 5.70 5.80 5.90

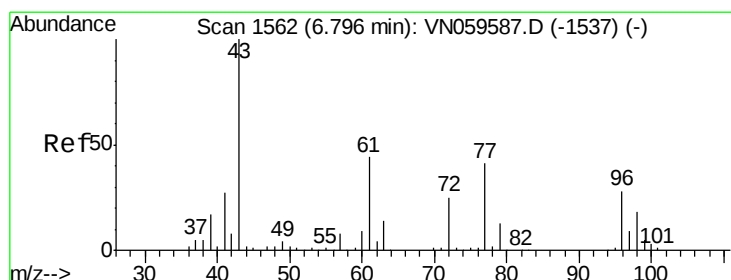
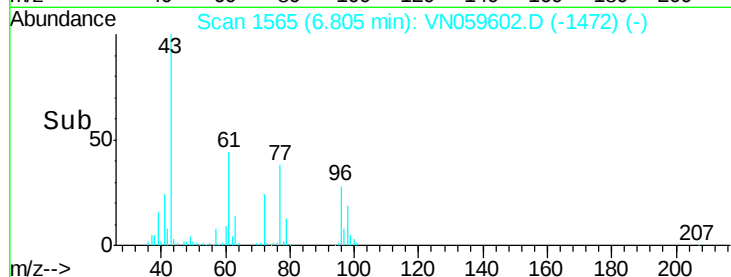
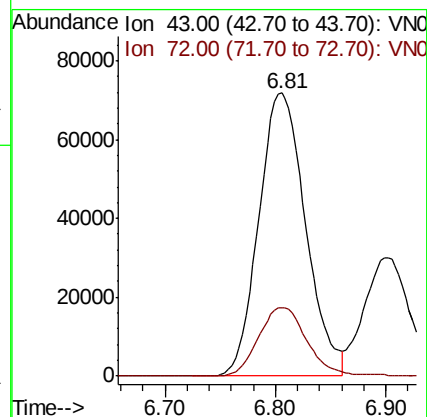
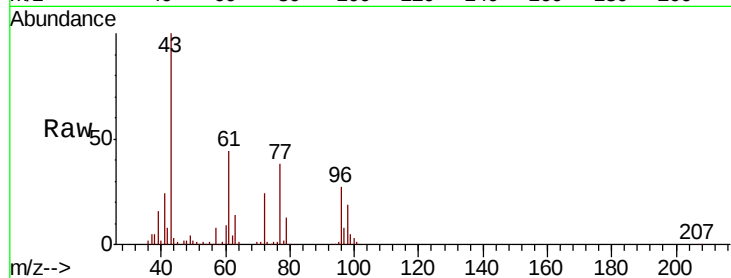




#25
2-Butanone
Concen: 80.423 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

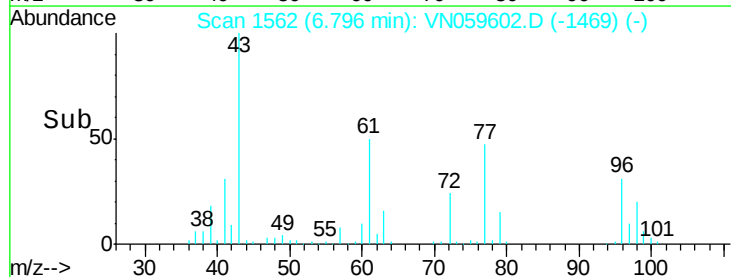
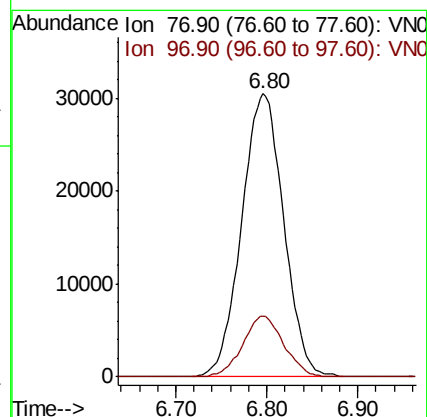
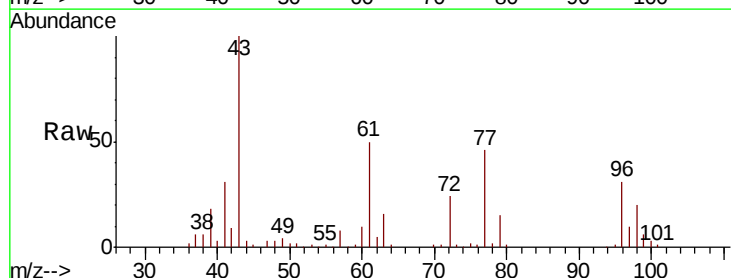
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

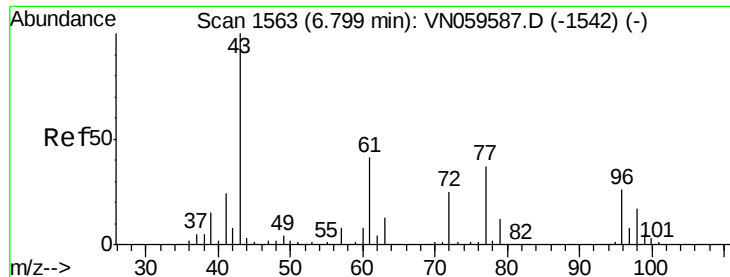
Tgt Ion: 43 Resp: 211275
Ion Ratio Lower Upper
43 100
72 24.3 19.9 29.9



#26
2,2-Dichloropropane
Concen: 18.796 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion: 77 Resp: 97678
Ion Ratio Lower Upper
77 100
97 20.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 18.408 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

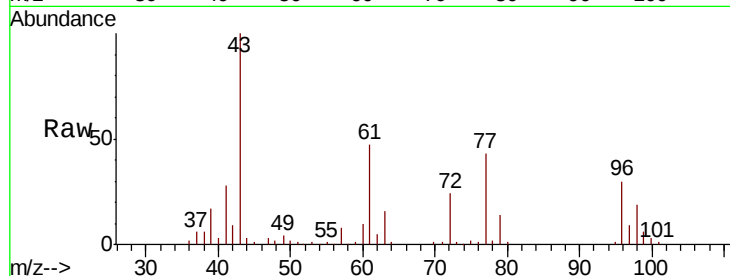
Tgt Ion: 96 Resp: 60649

Ion Ratio Lower Upper

96 100

61 161.5 0.0 317.6

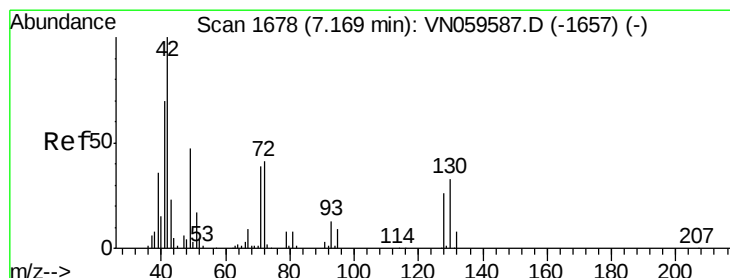
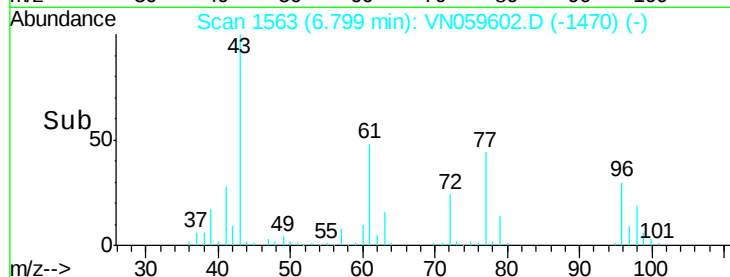
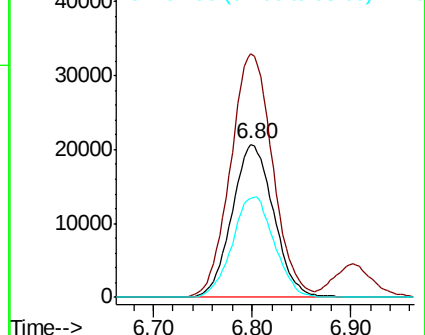
98 65.9 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1542) (-)



#28

Bromochloromethane

Concen: 9.704 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

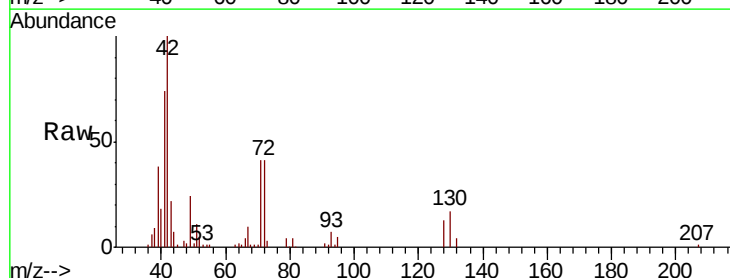
Tgt Ion: 49 Resp: 22397

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

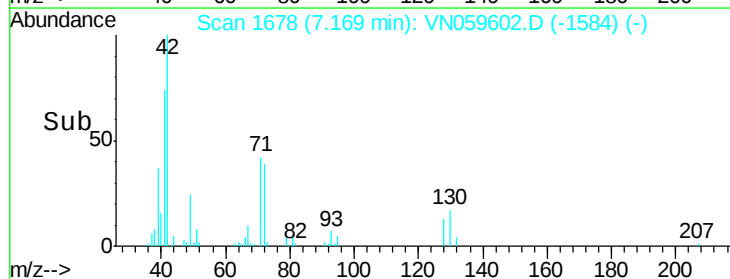
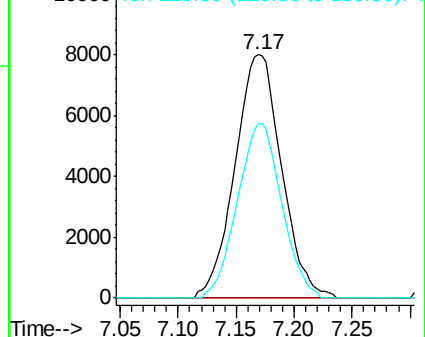
130 68.0 54.7 82.1

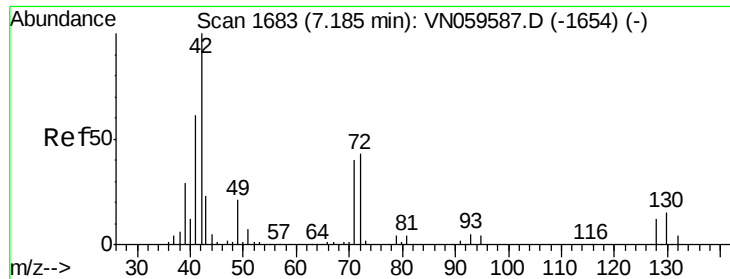


Abundance Ion 48.90 (48.60 to 49.60): VN059587.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059587.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059587.D (-1657) (-)





#29

Tetrahydrofuran

Concen: 85.818 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

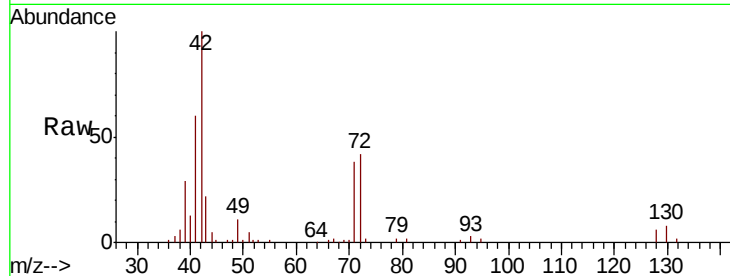
Tgt Ion: 42 Resp: 137362

Ion Ratio Lower Upper

42 100

72 41.4 33.1 49.7

71 39.4 31.4 47.0

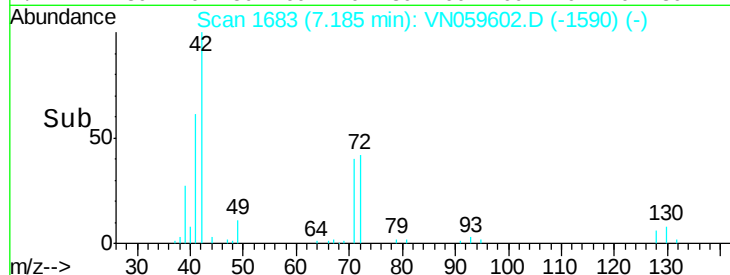


Abundance Ion 42.00 (41.70 to 42.70): VN059587.D (-1654) (-)

Ion 72.00 (71.70 to 72.70): VN059587.D (-1654) (-)

Ion 71.00 (70.70 to 71.70): VN059587.D (-1654) (-)

Time-->

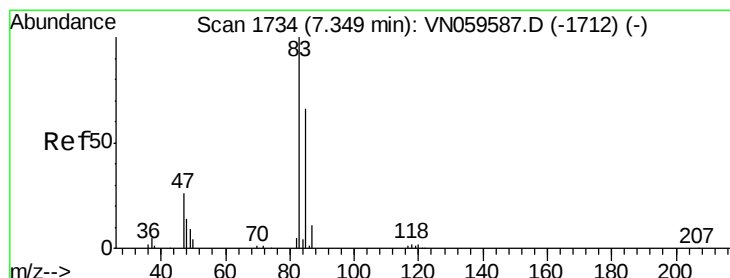


Abundance Ion 42.00 (41.70 to 42.70): VN059602.D (-1590) (-)

Ion 72.00 (71.70 to 72.70): VN059602.D (-1590) (-)

Ion 71.00 (70.70 to 71.70): VN059602.D (-1590) (-)

Time-->



#30

Chloroform

Concen: 18.722 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059602.D

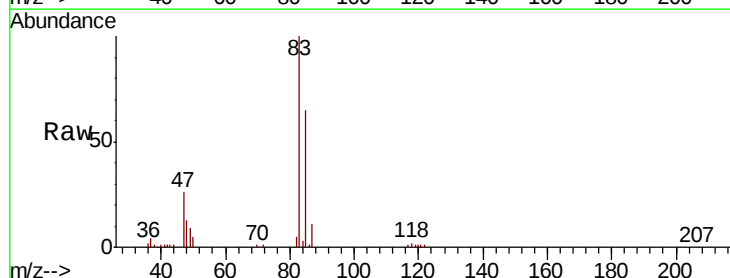
Acq: 16 Dec 2019 14:56

Tgt Ion: 83 Resp: 105372

Ion Ratio Lower Upper

83 100

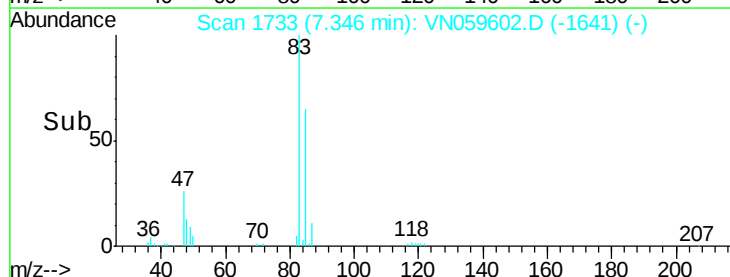
85 65.2 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-1712) (-)

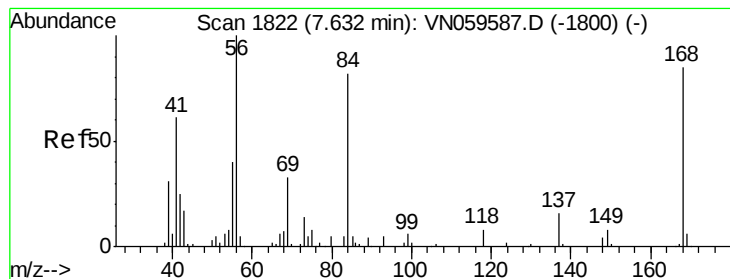
Time-->



Abundance Ion 82.90 (82.60 to 83.60): VN059602.D (-1641) (-)

Ion 84.90 (84.60 to 85.60): VN059602.D (-1641) (-)

Time-->



#31

Cyclohexane

Concen: 18.188 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

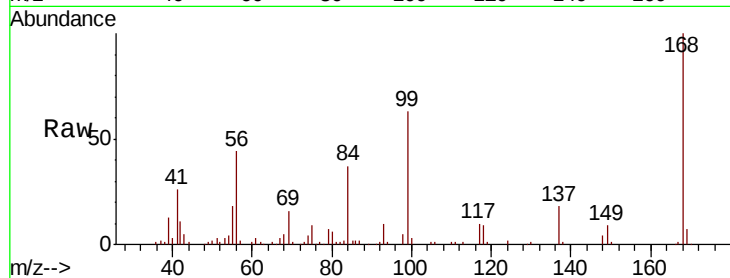
Tgt Ion: 56 Resp: 98263

Ion Ratio Lower Upper

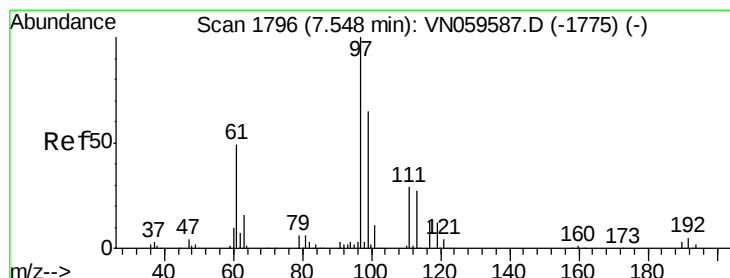
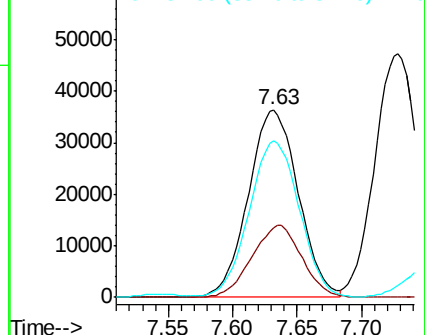
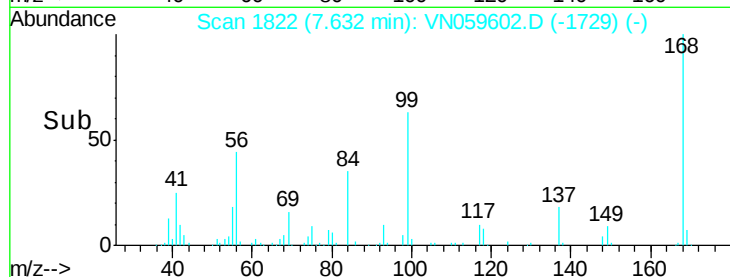
56 100

69 37.1 26.5 39.7

84 82.5 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN059602.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 18.102 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

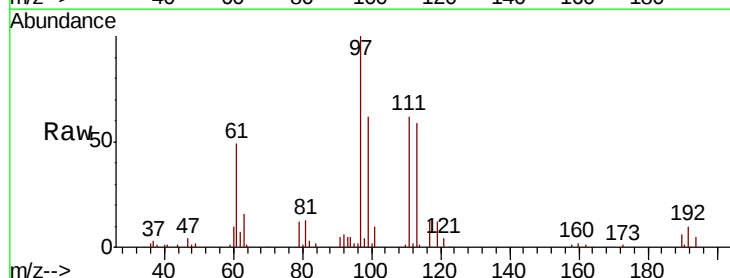
Tgt Ion: 97 Resp: 91852

Ion Ratio Lower Upper

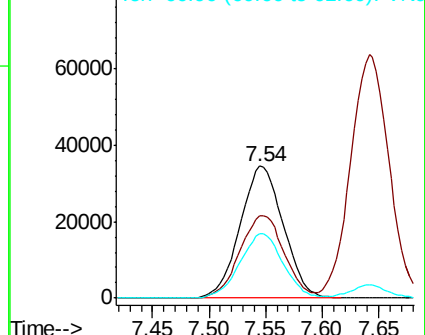
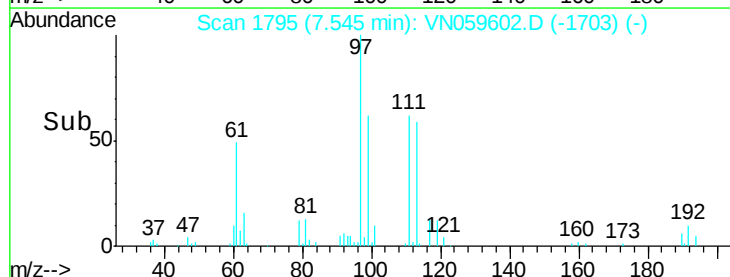
97 100

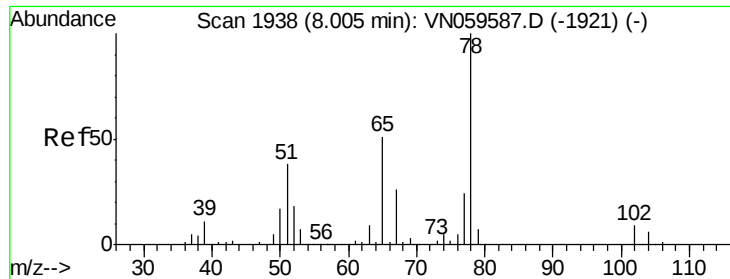
99 64.0 51.0 76.4

61 48.7 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN059602.D (-1703) (-)

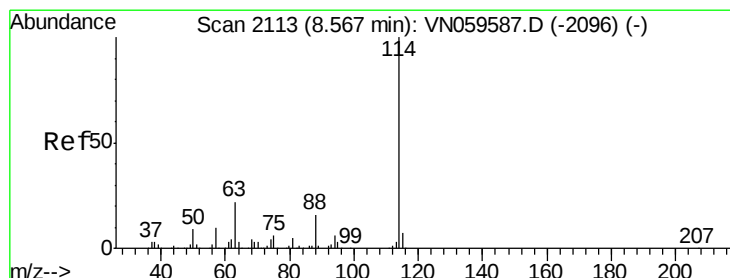
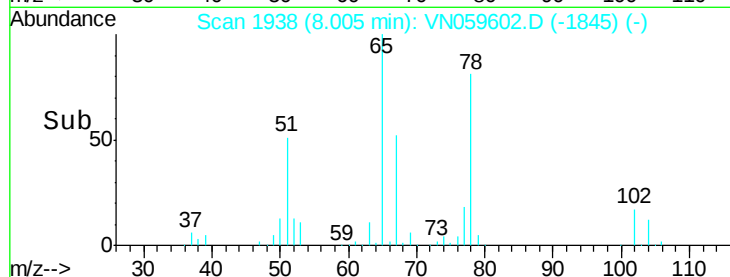
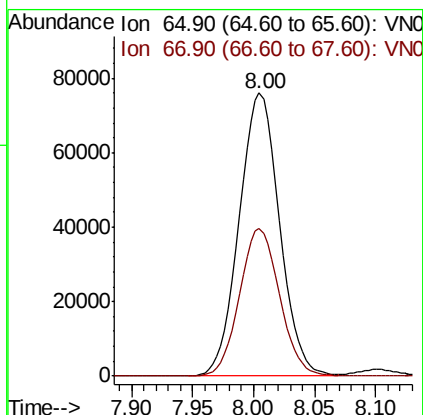
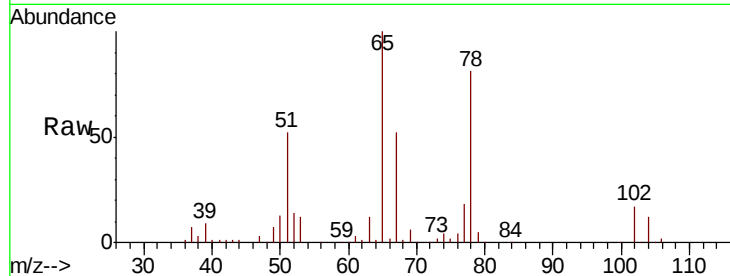




#33
 1,2-Dichloroethane-d4
 Concen: 46.995 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

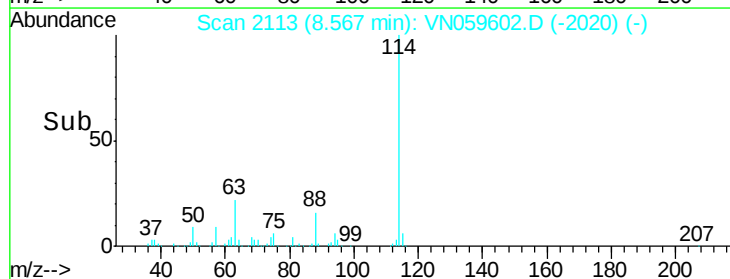
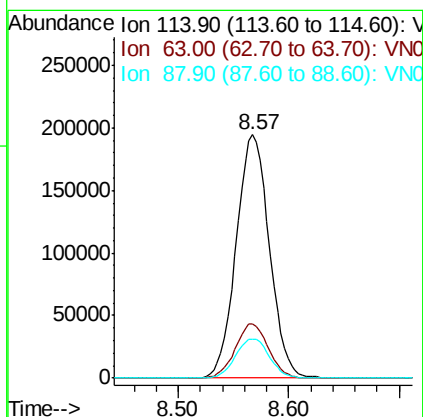
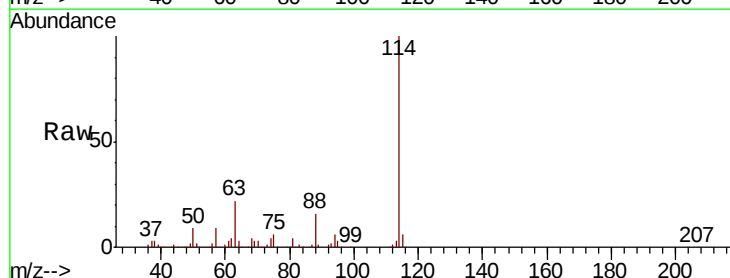
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

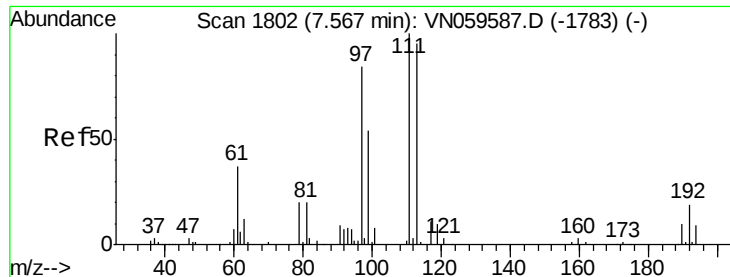
Tgt Ion: 65 Resp: 173894
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion: 114 Resp: 405540
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.6
 88 16.2 0.0 31.4

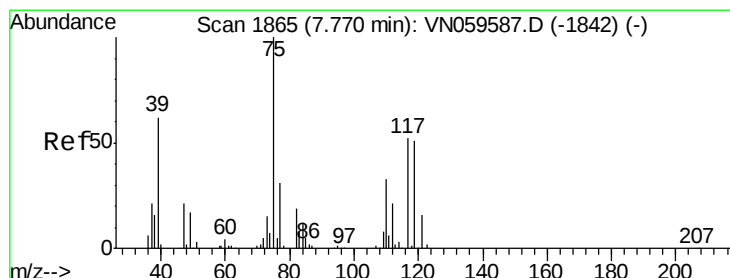
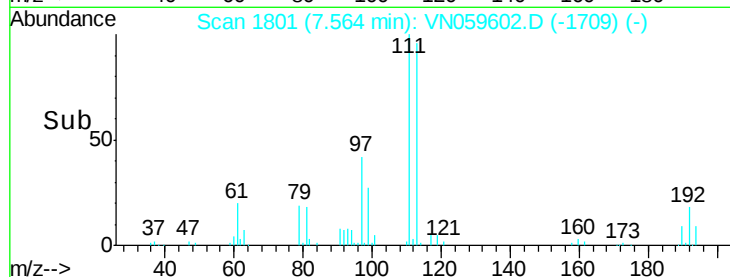
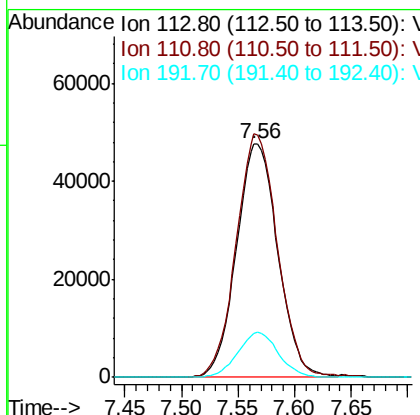
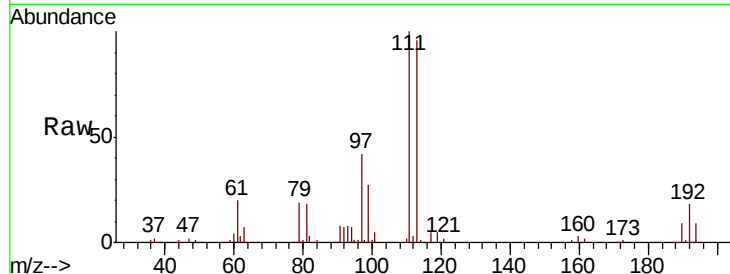




#35
 Dibromofluoromethane
 Concen: 47.897 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

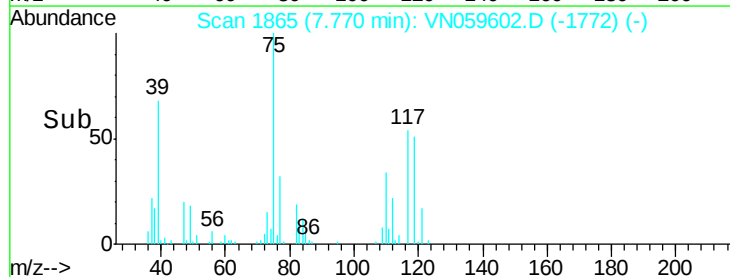
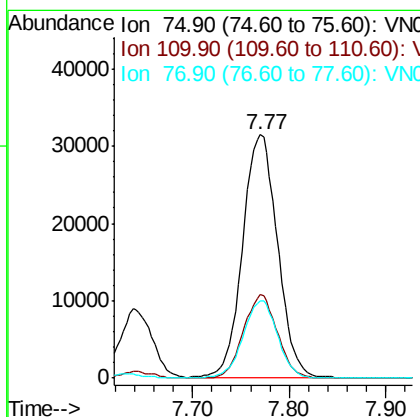
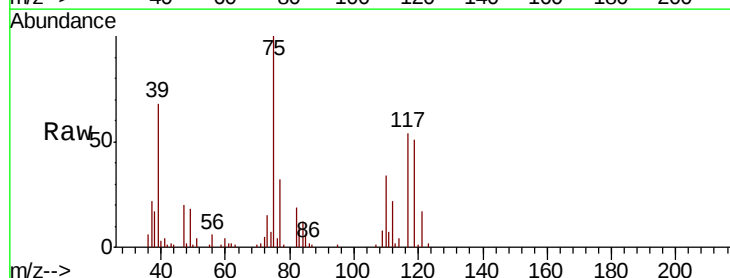
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

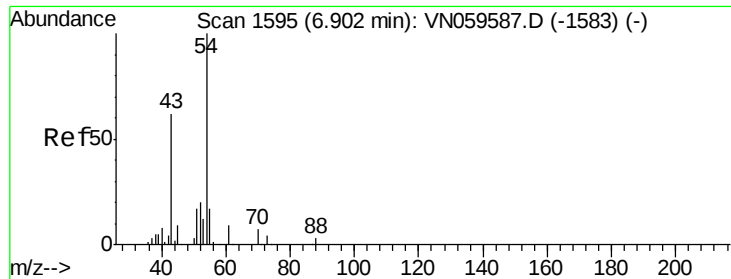
Tgt Ion: 113 Resp: 121534
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.5 125.3
 192 18.9 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 18.768 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion: 75 Resp: 79372
 Ion Ratio Lower Upper
 75 100
 110 32.9 16.6 49.7
 77 31.1 25.1 37.7

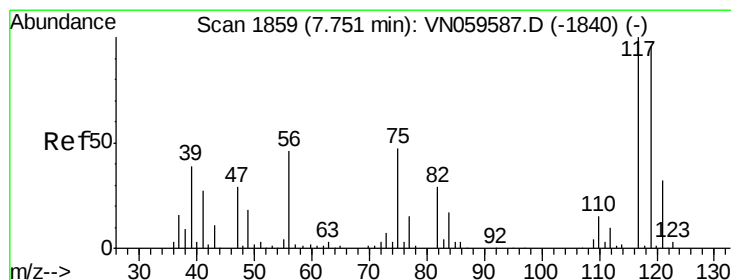
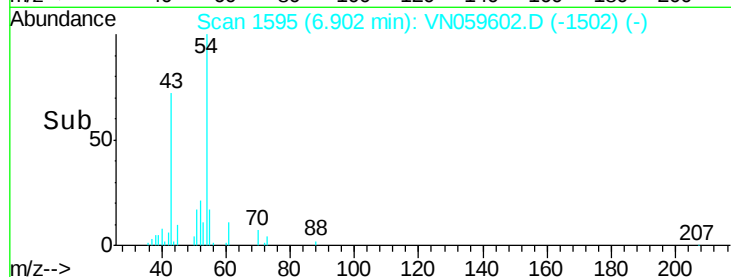
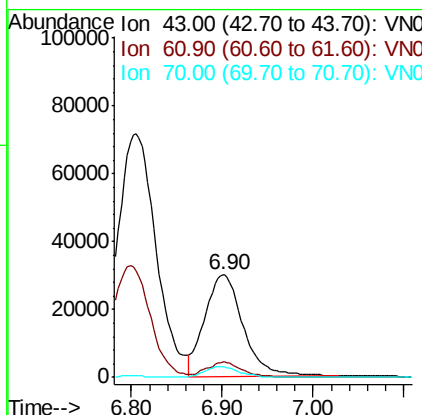
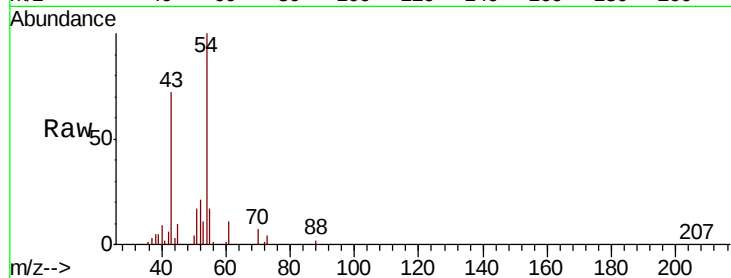




#37
Ethyl Acetate
Concen: 17.968 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

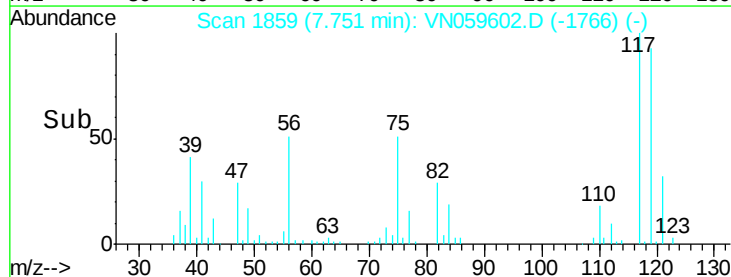
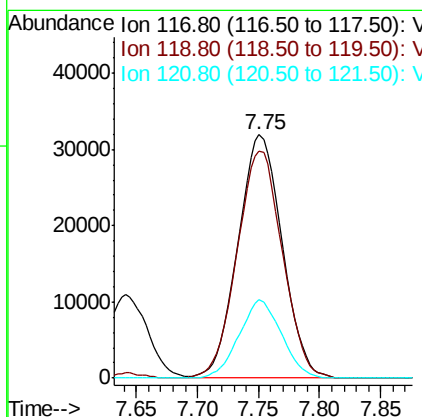
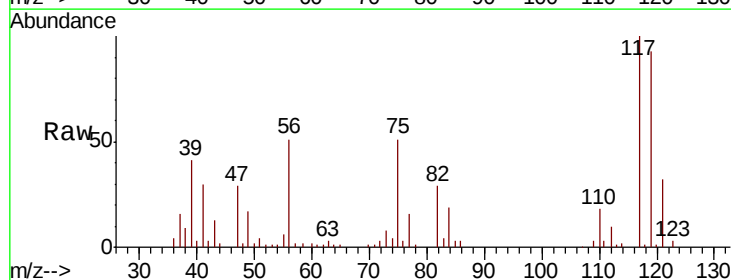
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

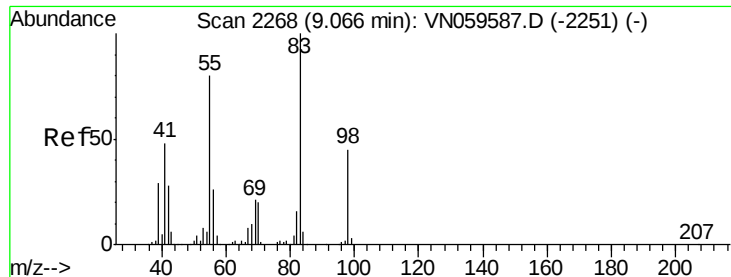
Tgt Ion: 43 Resp: 88320
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 9.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 18.276 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion: 117 Resp: 80204
Ion Ratio Lower Upper
117 100
119 93.1 76.5 114.7
121 32.1 25.1 37.7

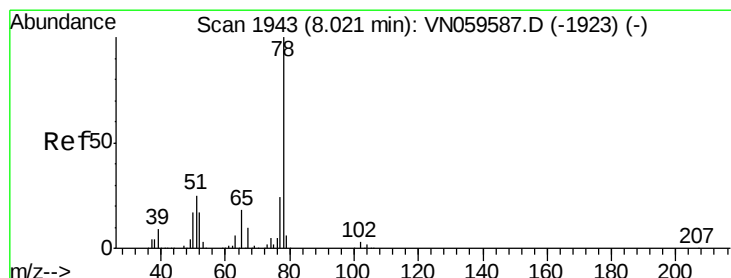
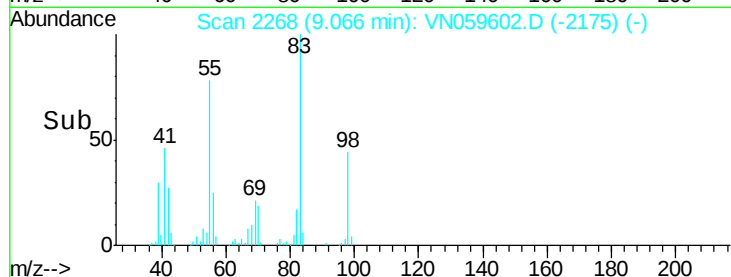
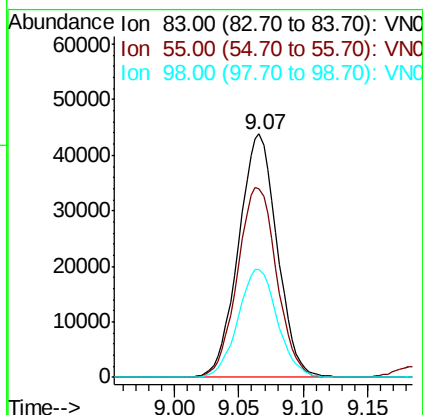
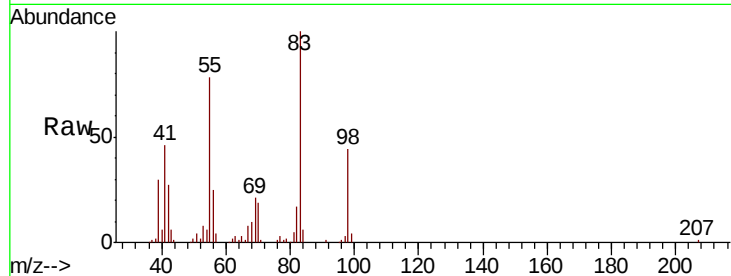




#39
Methylcyclohexane
Concen: 19.057 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

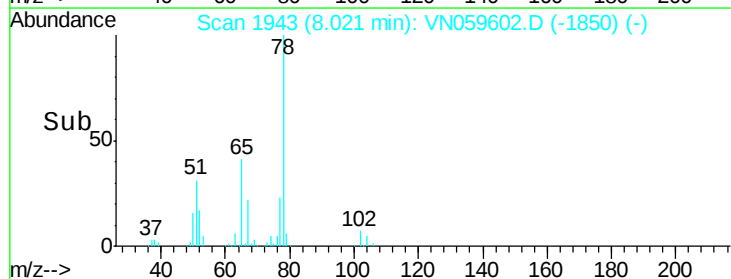
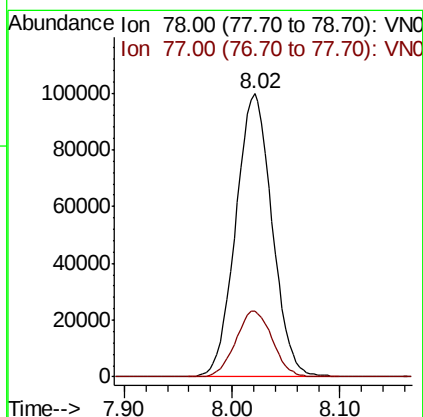
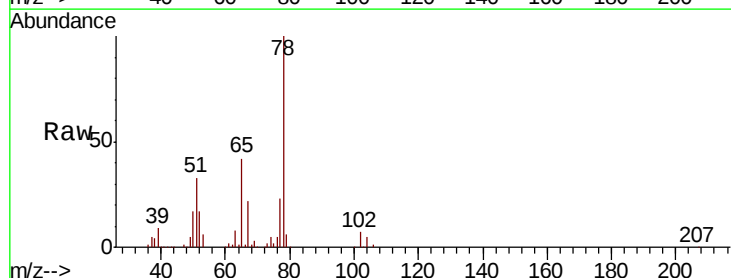
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

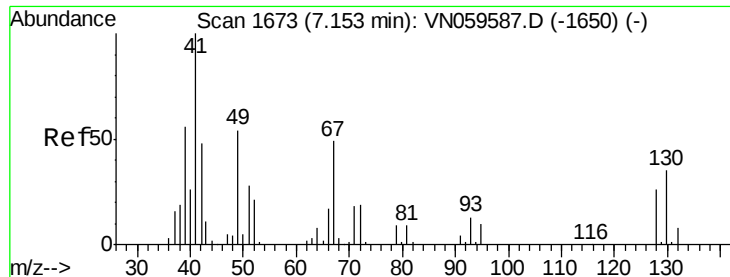
Tgt Ion: 83 Resp: 91420
Ion Ratio Lower Upper
83 100
55 77.6 64.2 96.2
98 44.5 35.9 53.9



#40
Benzene
Concen: 18.936 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion: 78 Resp: 234031
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3





#41

Methacrylonitrile

Concen: 62.340 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.03 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

Tgt Ion: 41 Resp: 126463

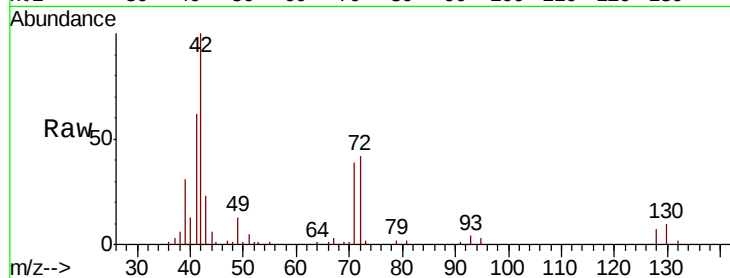
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

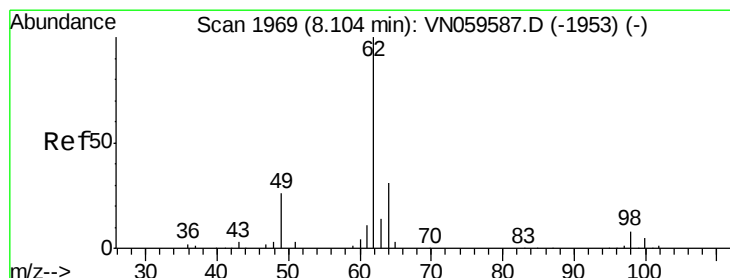
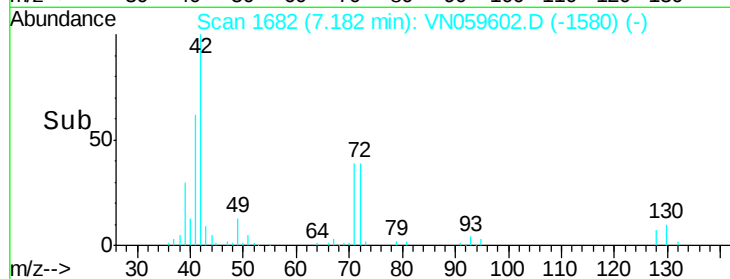
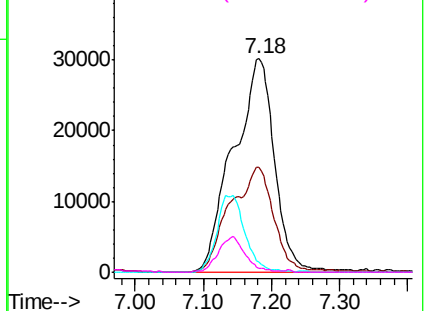


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.059 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059602.D

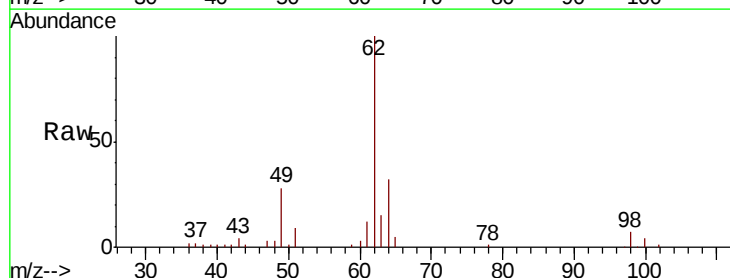
Acq: 16 Dec 2019 14:56

Tgt Ion: 62 Resp: 90211

Ion Ratio Lower Upper

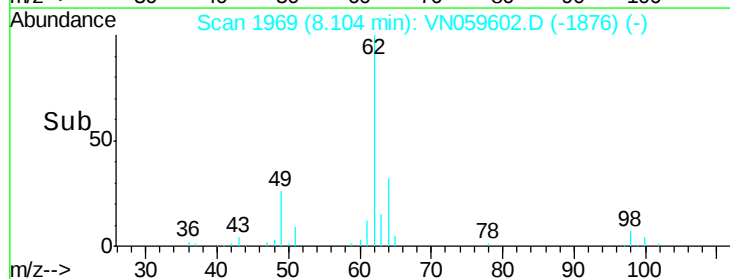
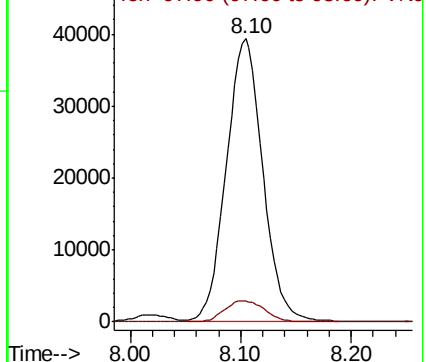
62 100

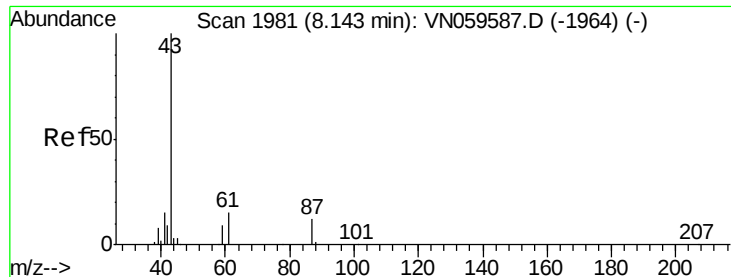
98 8.0 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

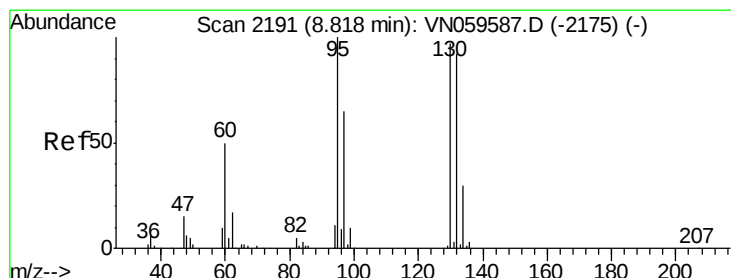
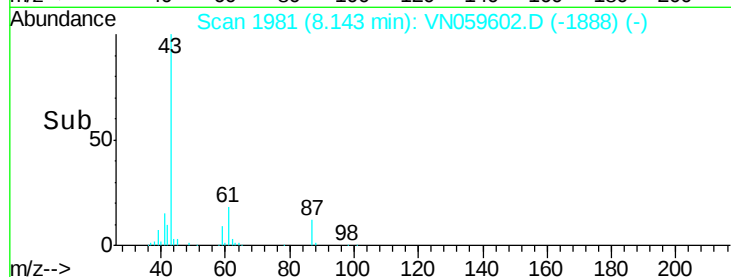
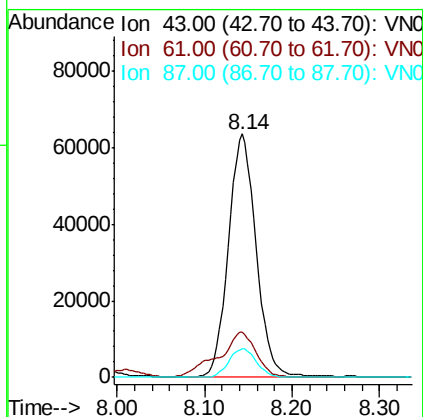
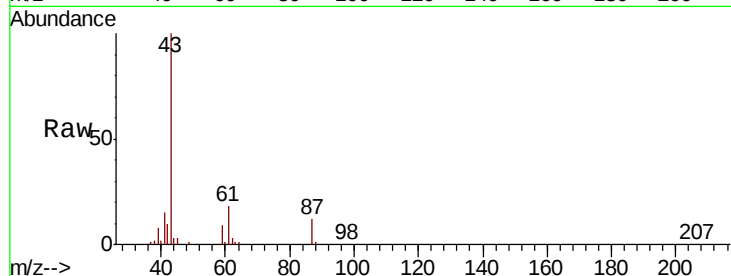




#43
Isopropyl Acetate
Concen: 18.376 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

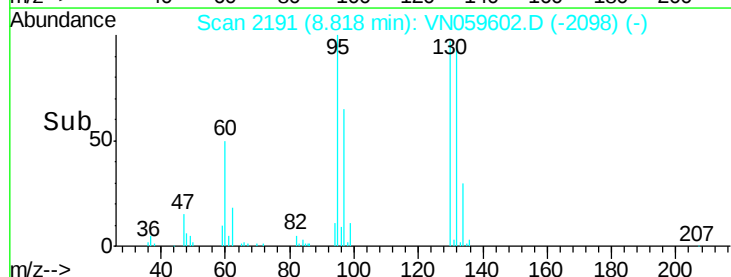
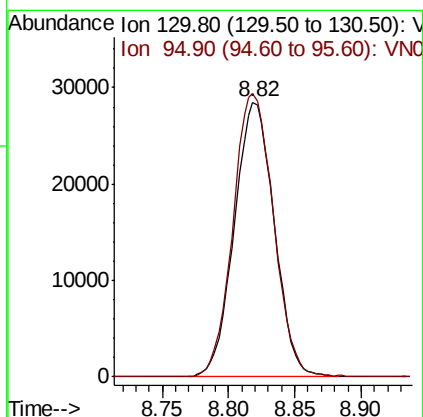
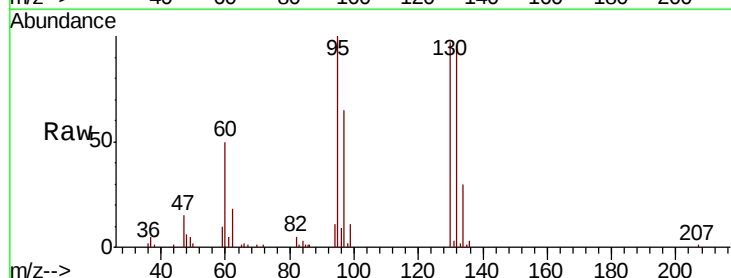
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

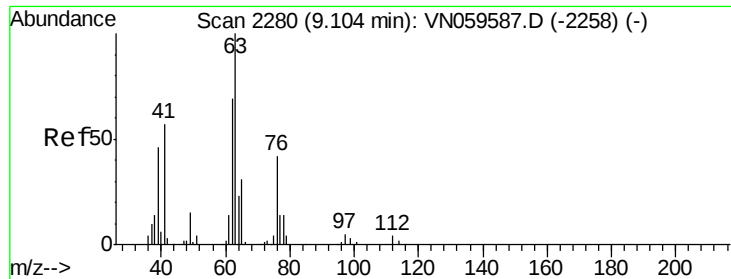
Tgt Ion: 43 Resp: 140432
Ion Ratio Lower Upper
43 100
61 25.3 20.2 30.2
87 11.7 9.5 14.3



#44
Trichloroethene
Concen: 18.399 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion: 130 Resp: 59562
Ion Ratio Lower Upper
130 100
95 103.1 0.0 207.0

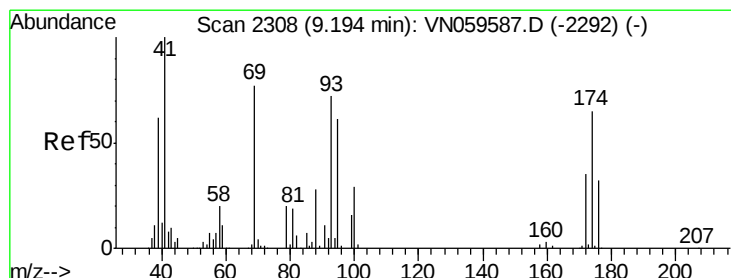
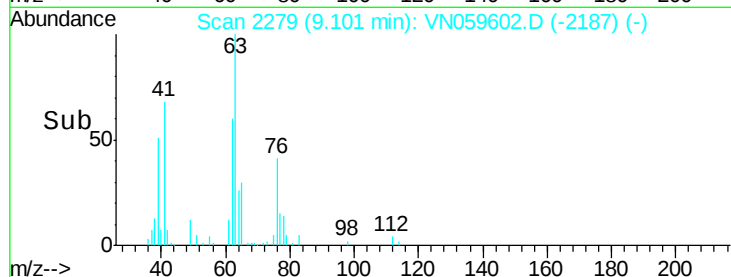
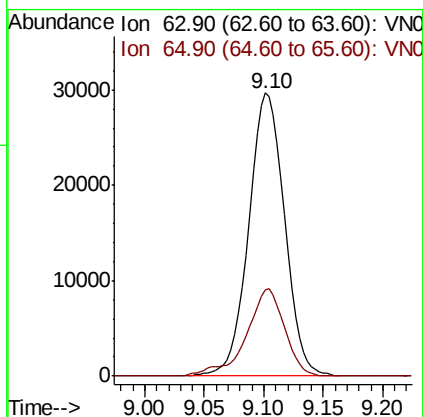
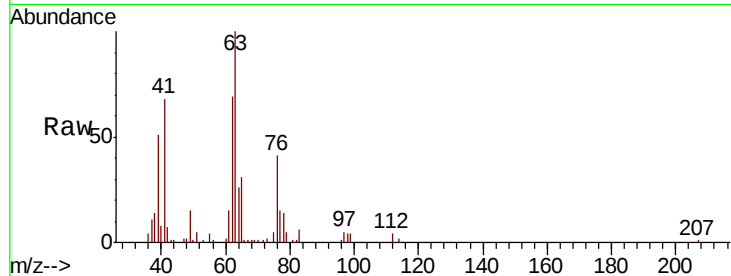




#45
 1,2-Dichloropropane
 Concen: 18.565 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

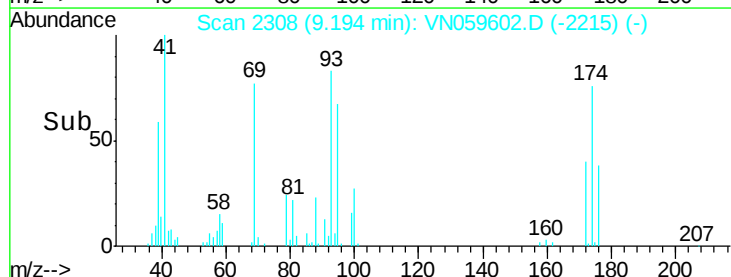
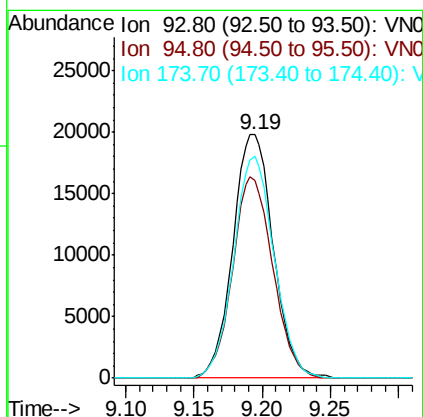
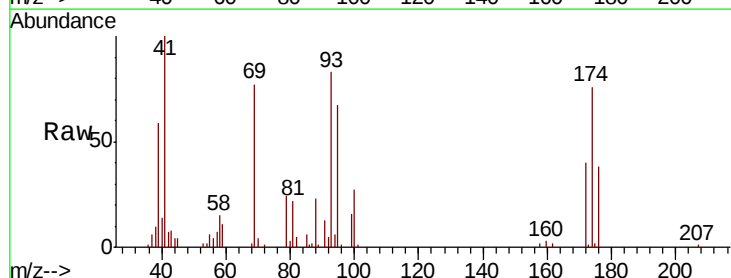
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

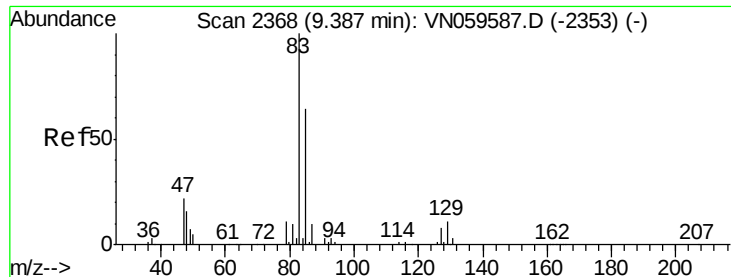
Tgt Ion: 63 Resp: 61959
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.9 37.3



#46
 Dibromomethane
 Concen: 18.610 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion: 93 Resp: 40692
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.6
 174 91.1 73.4 110.2





#47

Bromodichloromethane

Concen: 18.822 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

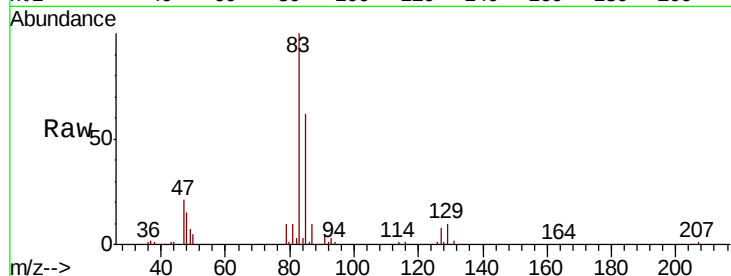
Tgt Ion: 83 Resp: 82054

Ion Ratio Lower Upper

83 100

85 62.0 51.1 76.7

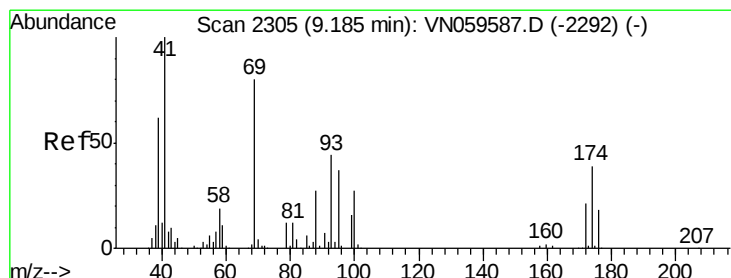
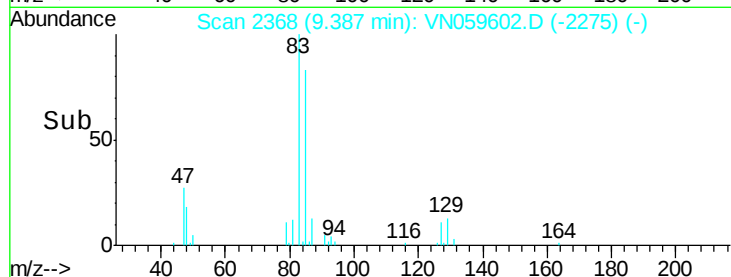
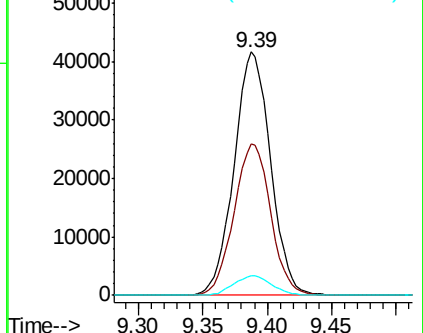
127 7.9 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059602.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059602.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059602.D (-2275) (-)



#48

Methyl methacrylate

Concen: 17.905 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

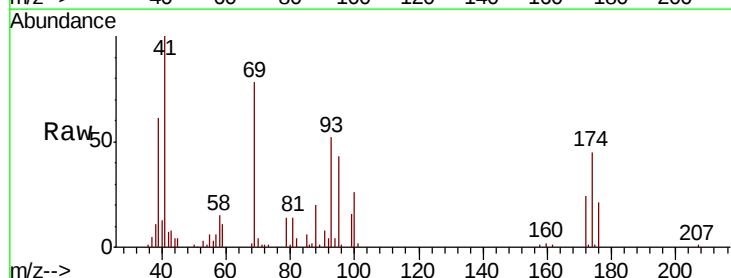
Tgt Ion: 41 Resp: 62081

Ion Ratio Lower Upper

41 100

69 79.0 64.4 96.6

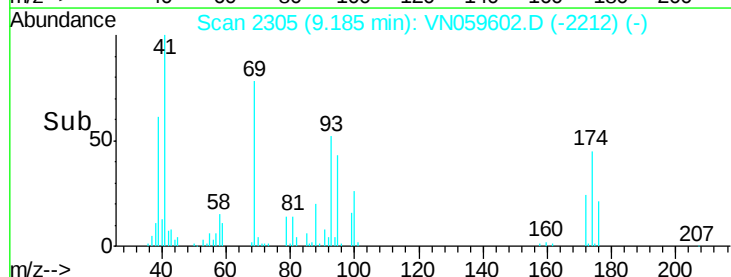
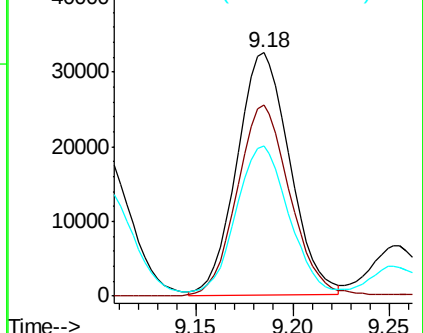
39 62.7 51.3 76.9

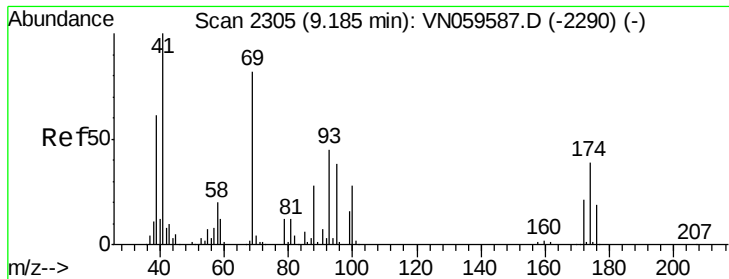


Abundance Ion 41.00 (40.70 to 41.70): VN059602.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059602.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059602.D (-2212) (-)

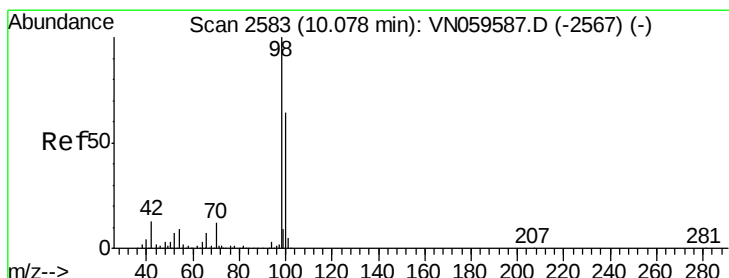
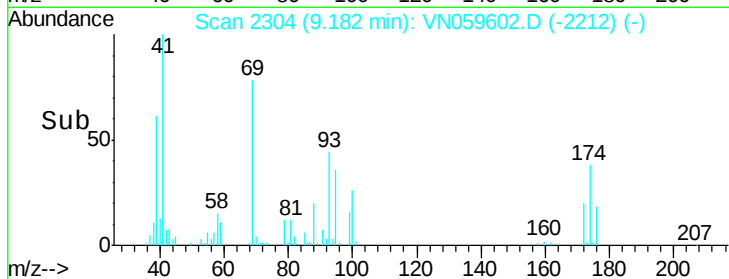
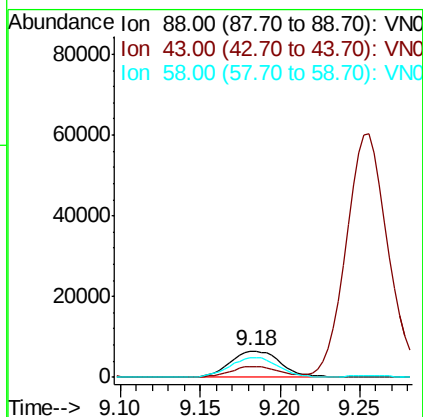
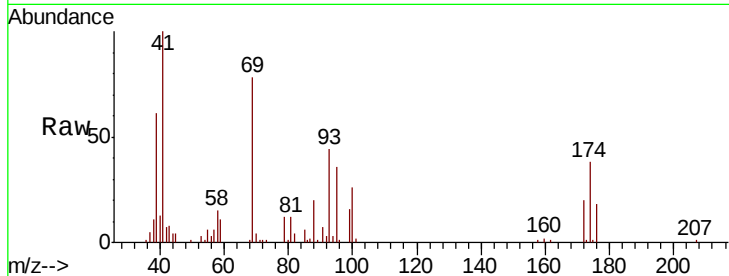




#49
 1,4-Dioxane
 Concen: 281.739 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

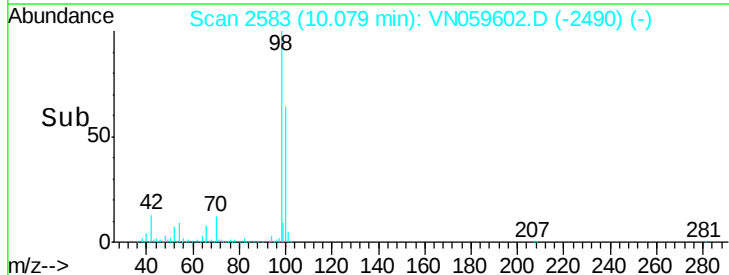
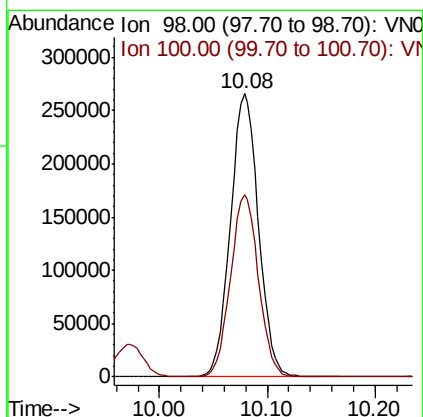
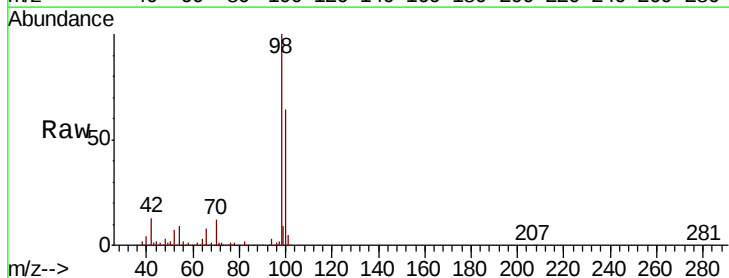
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

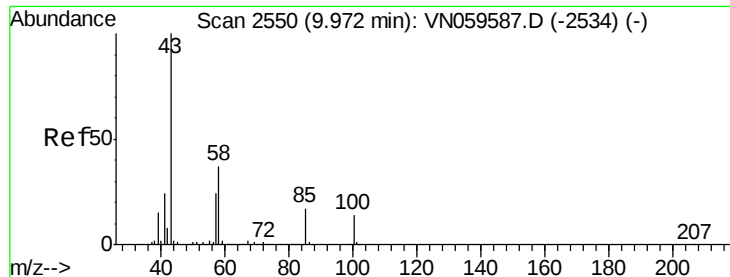
Tgt Ion: 88 Resp: 13999
 Ion Ratio Lower Upper
 88 100
 43 40.5 29.7 44.5
 58 73.3 56.6 85.0



#50
 Toluene-d8
 Concen: 48.049 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion: 98 Resp: 482697
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.2 76.8

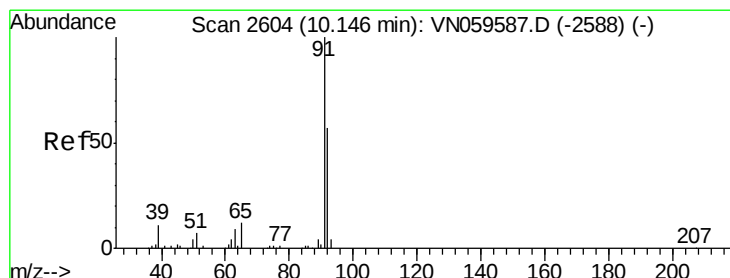
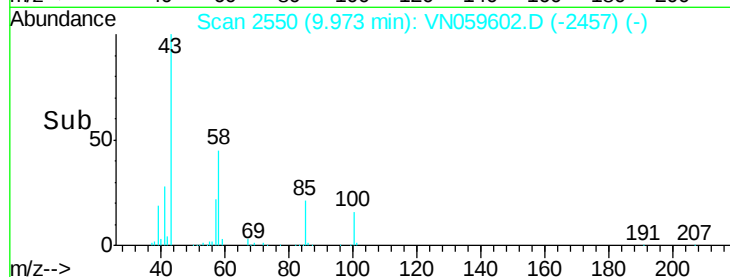
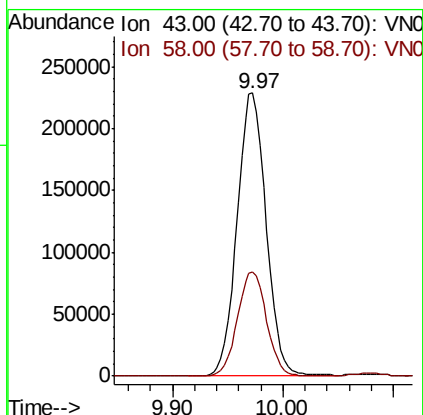
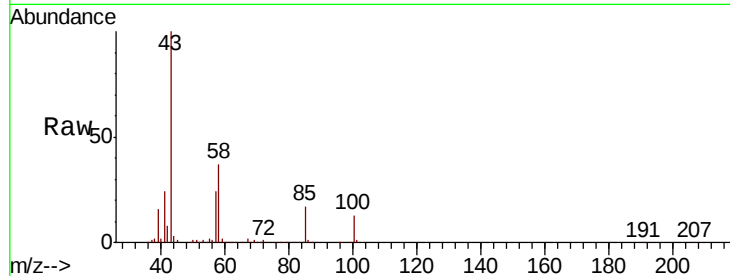




#51
 4-Methyl-2-Pentanone
 Concen: 91.616 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

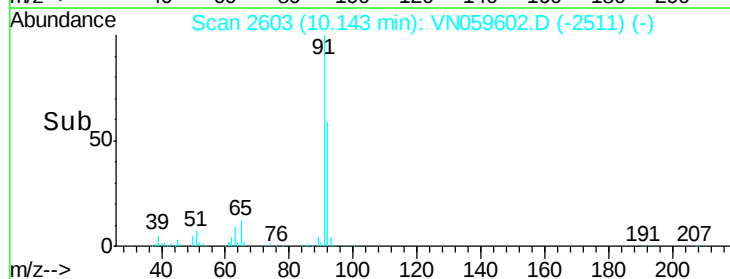
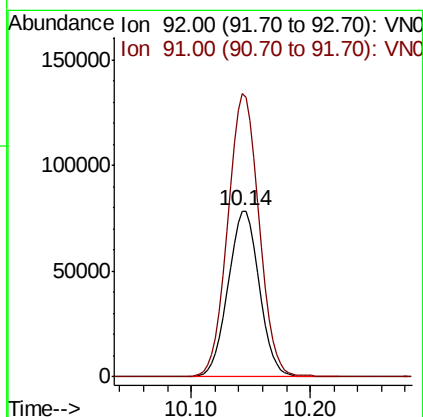
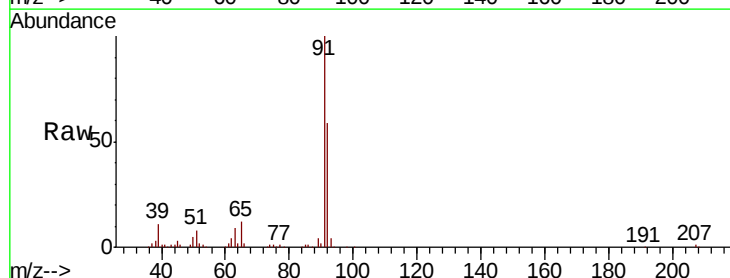
Instrument :
 MSVOA_N
 ClientSampled :
 VN1216WBS03

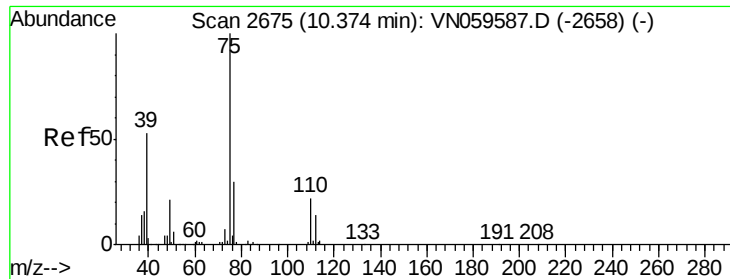
Tgt Ion: 43 Resp: 417446
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.8 44.8



#52
 Toluene
 Concen: 18.842 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion: 92 Resp: 143083
 Ion Ratio Lower Upper
 92 100
 91 170.9 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 18.205 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

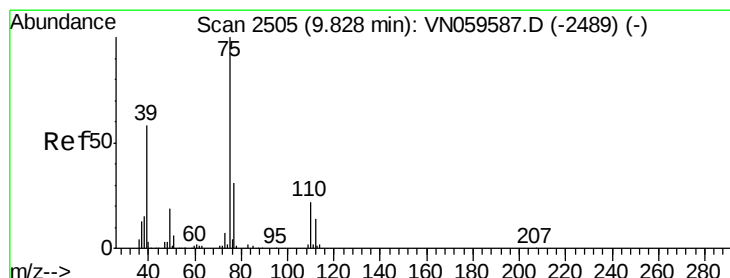
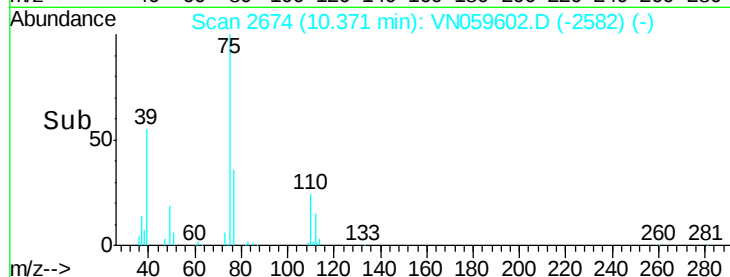
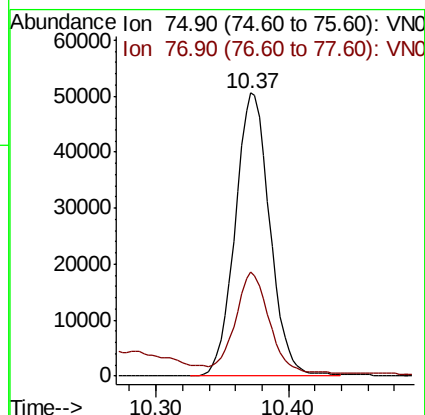
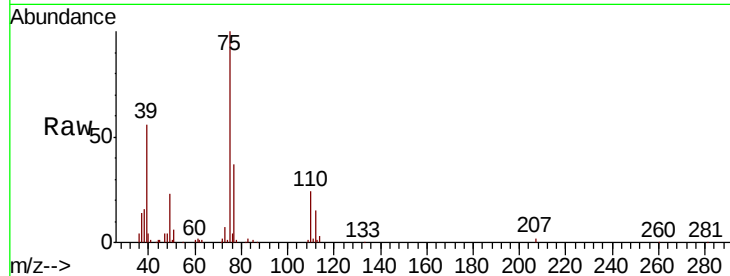
VN1216WBS03

Tgt Ion: 75 Resp: 91784

Ion Ratio Lower Upper

75 100

77 35.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 18.526 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

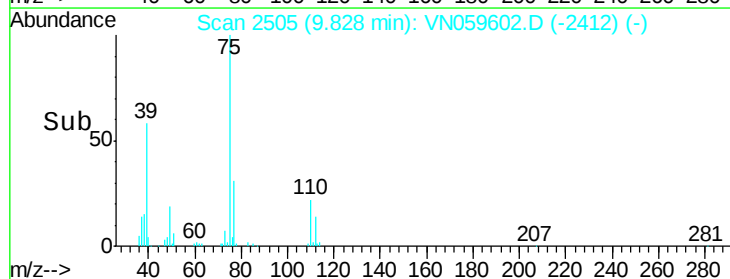
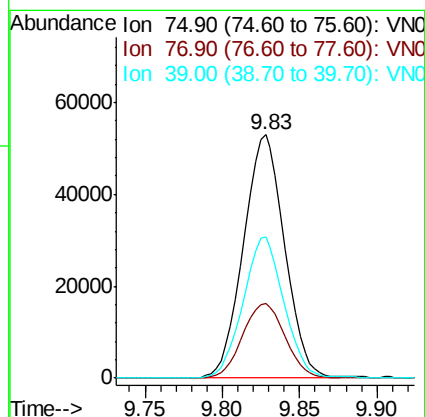
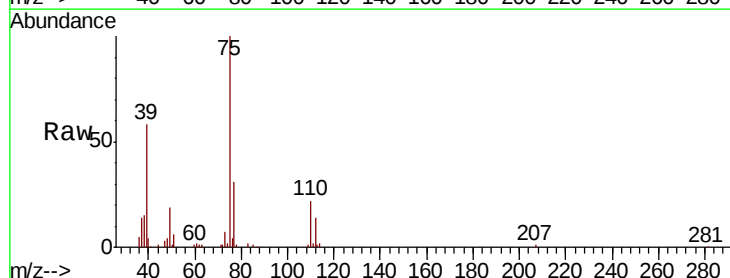
Tgt Ion: 75 Resp: 98182

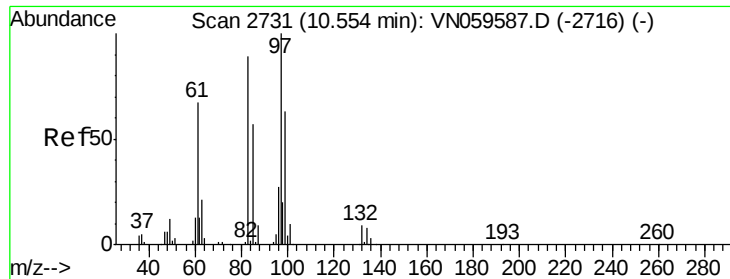
Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7

39 58.0 46.1 69.1

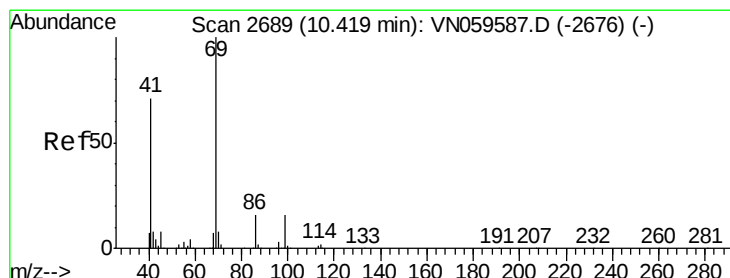
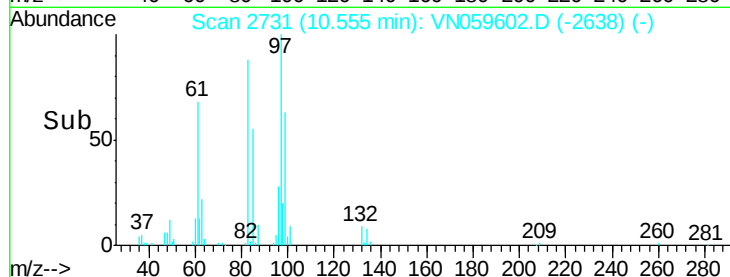
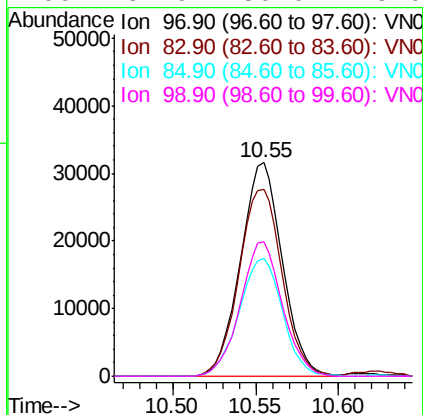
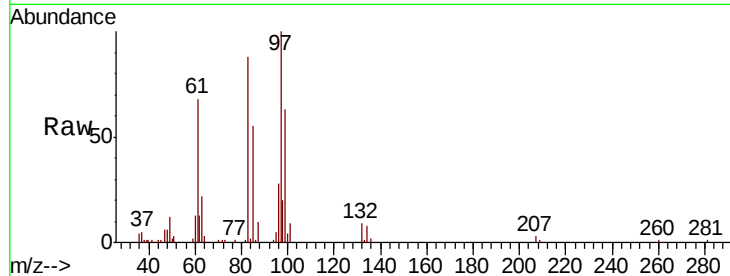




#55
 1,1,2-Trichloroethane
 Concen: 18.643 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

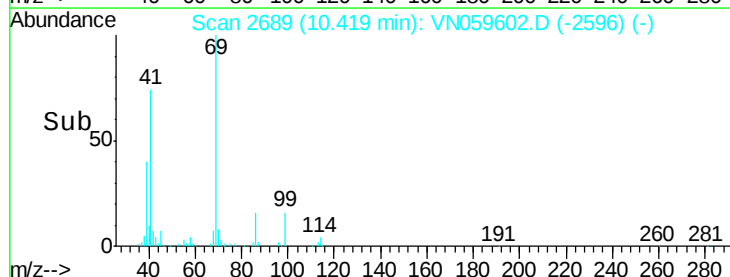
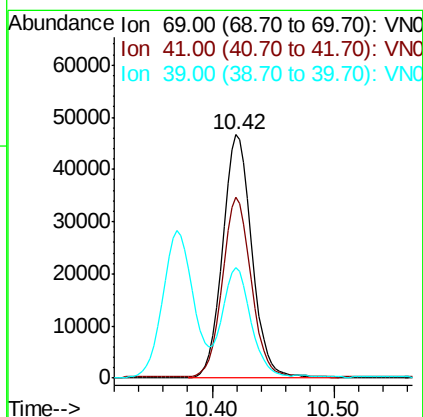
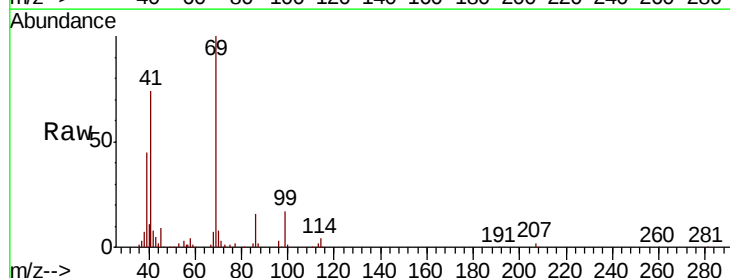
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

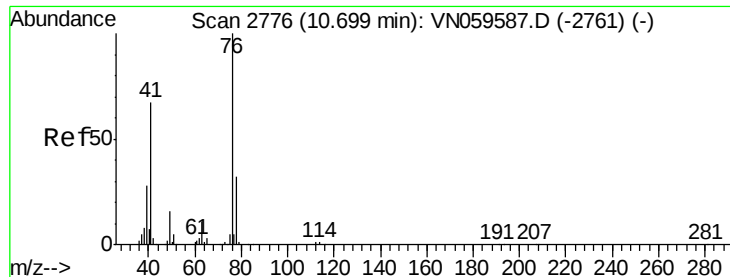
Tgt Ion: 97 Resp: 55554
 Ion Ratio Lower Upper
 97 100
 83 87.6 71.3 106.9
 85 54.8 45.8 68.8
 99 62.9 50.0 75.0



#56
 Ethyl methacrylate
 Concen: 17.779 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion: 69 Resp: 78653
 Ion Ratio Lower Upper
 69 100
 41 71.8 57.1 85.7
 39 45.7 34.7 52.1





#57

1,3-Dichloropropane

Concen: 18.698 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

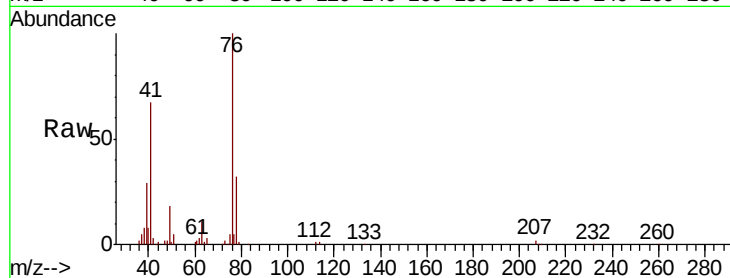
VN1216WBS03

Tgt Ion: 76 Resp: 97013

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

60000

50000

40000

30000

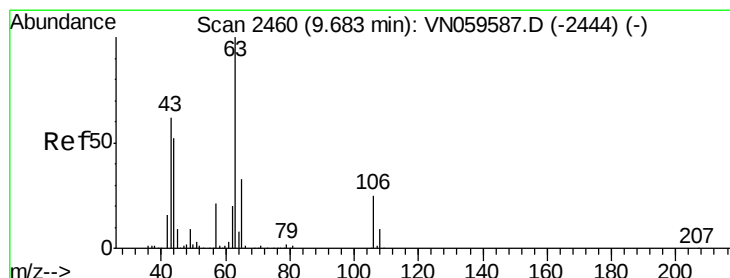
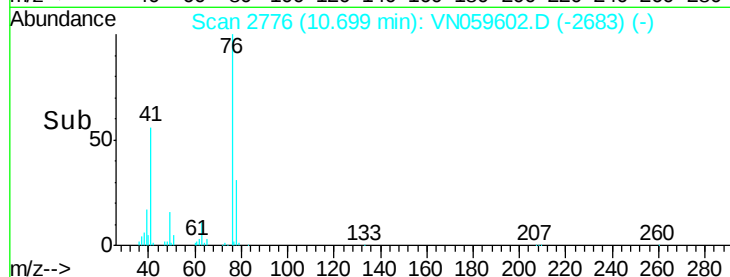
20000

10000

0

Time-->

10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 102.849 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059602.D

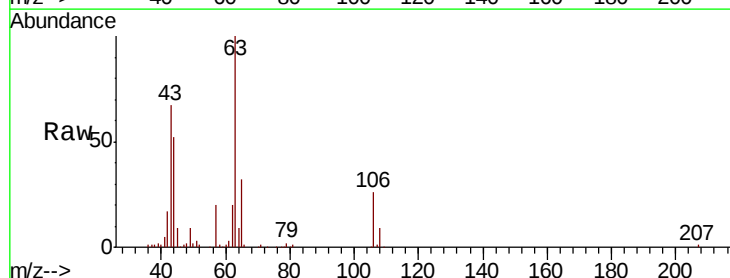
Acq: 16 Dec 2019 14:56

Tgt Ion: 63 Resp: 144703

Ion Ratio Lower Upper

63 100

106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

80000

60000

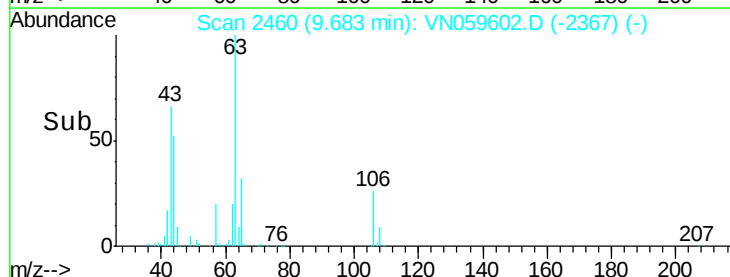
40000

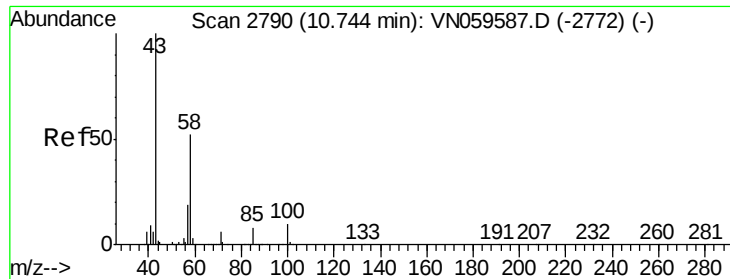
20000

0

Time-->

9.60 9.70 9.80





#59

2-Hexanone

Concen: 85.655 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

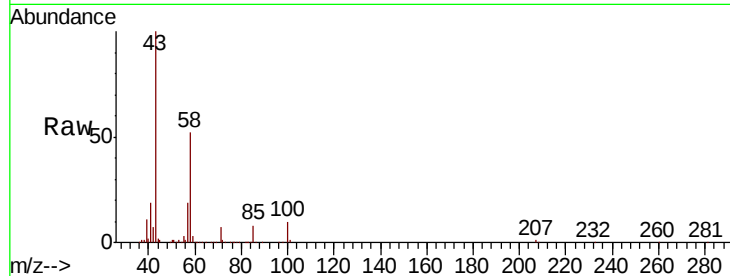
VN1216WBS03

Tgt Ion: 43 Resp: 307594

Ion Ratio Lower Upper

43 100

58 51.4 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2772) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2772) (-)

10.74

200000

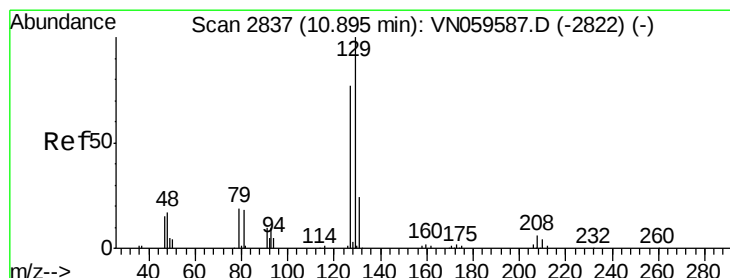
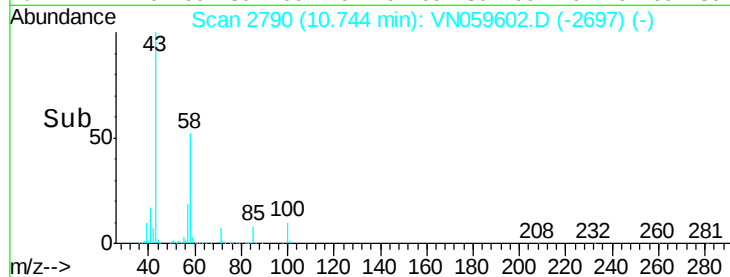
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 18.508 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN059602.D

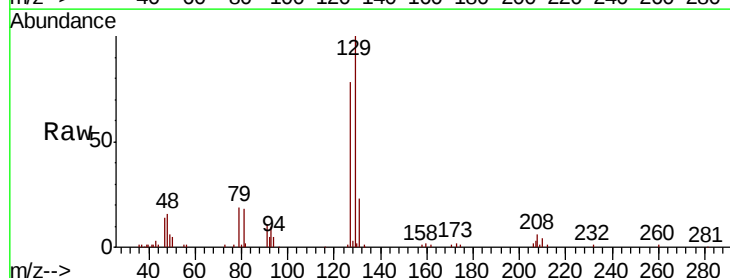
Acq: 16 Dec 2019 14:56

Tgt Ion: 129 Resp: 60194

Ion Ratio Lower Upper

129 100

127 77.5 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VN059587.D (-2822) (-)

Ion 126.80 (126.50 to 127.50): VN059587.D (-2822) (-)

10.90

40000

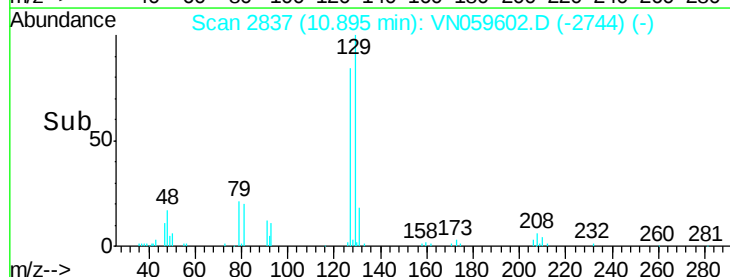
30000

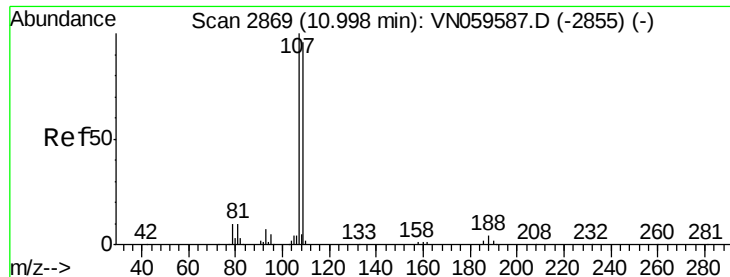
20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 17.990 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

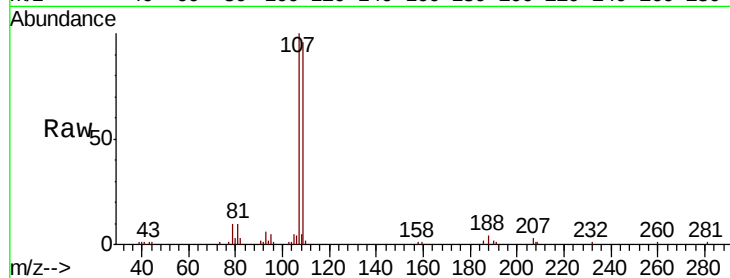
VN1216WBS03

Tgt Ion: 107 Resp: 56855

Ion Ratio Lower Upper

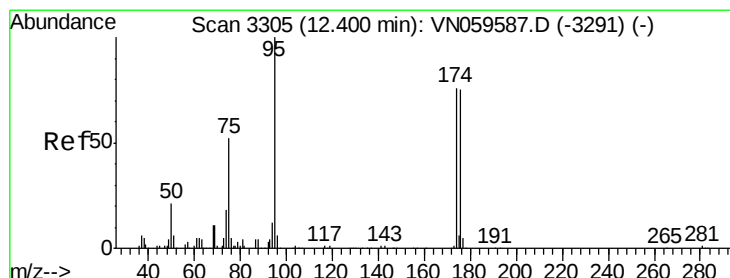
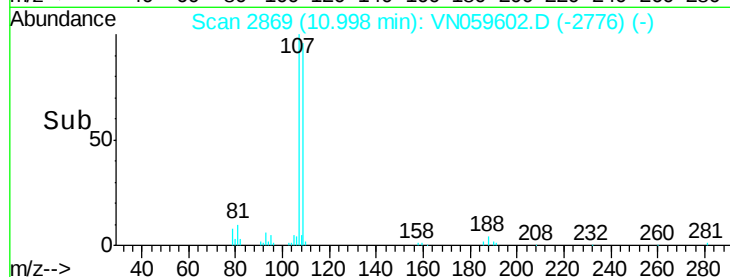
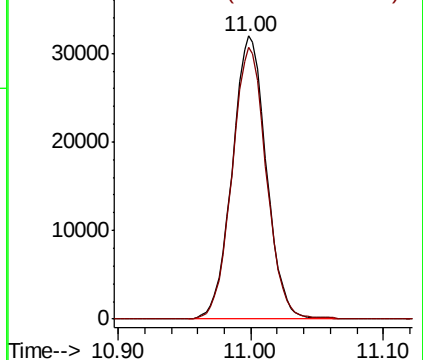
107 100

109 96.6 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.246 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

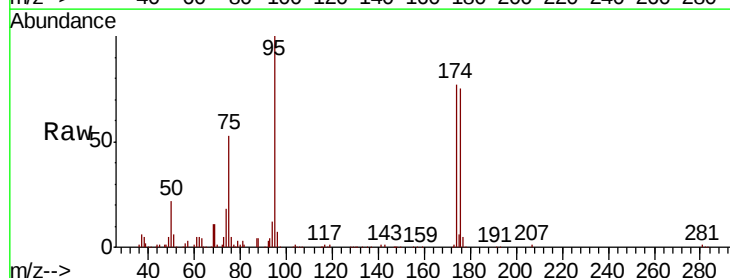
Tgt Ion: 95 Resp: 169523

Ion Ratio Lower Upper

95 100

174 76.5 0.0 151.4

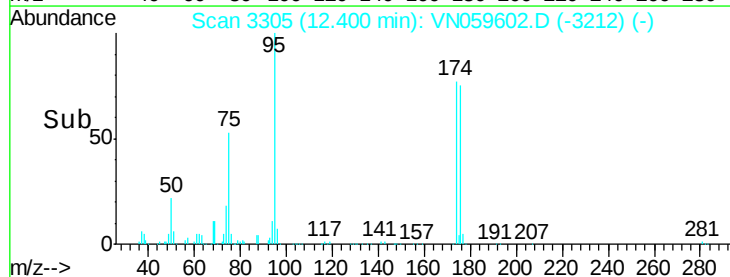
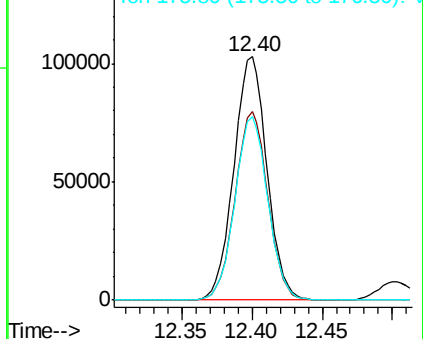
176 75.0 0.0 146.0

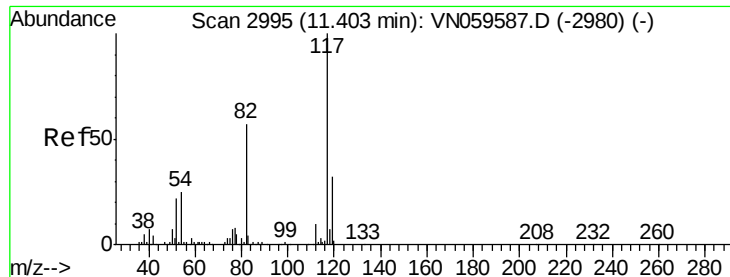


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

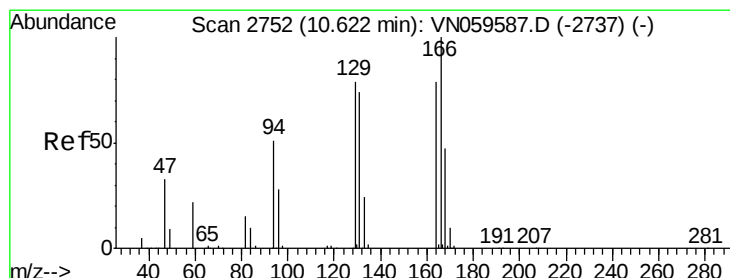
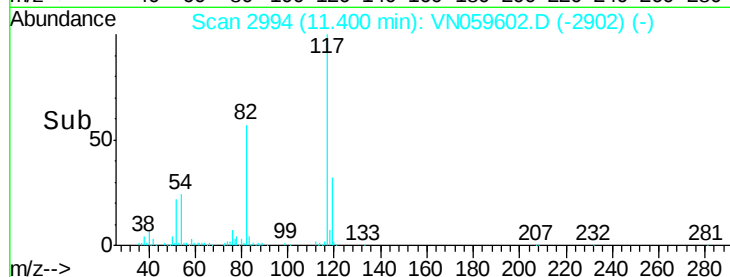
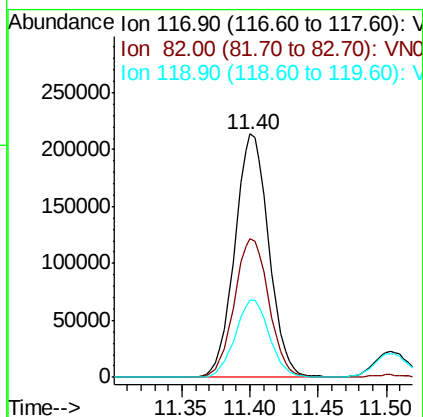
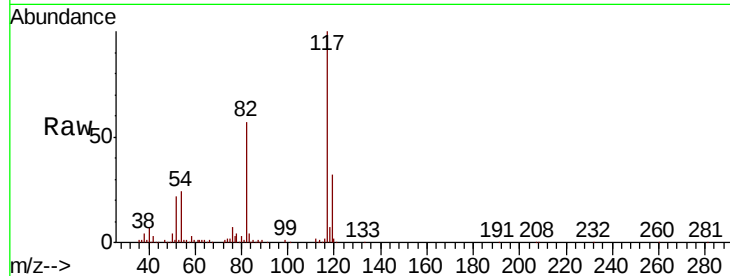




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

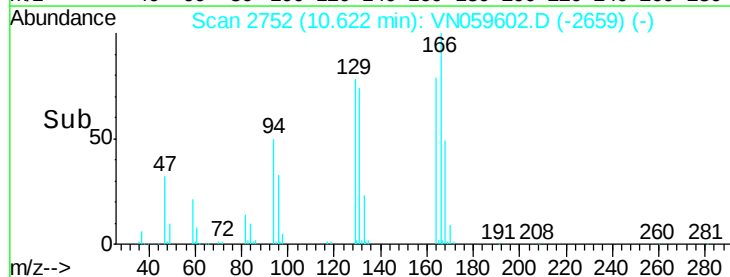
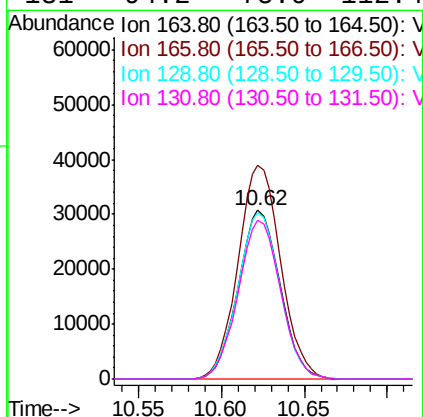
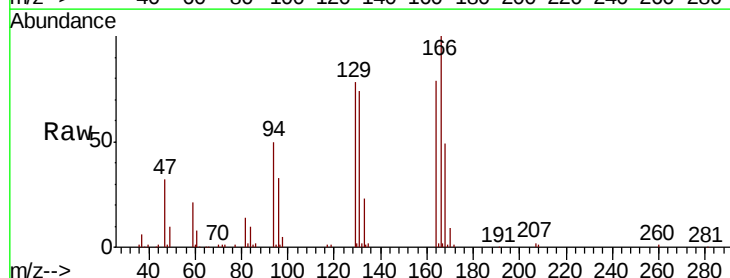
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

Tgt Ion:117 Resp: 369783
Ion Ratio Lower Upper
117 100
82 56.8 45.9 68.9
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 15.724 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion:164 Resp: 54203
Ion Ratio Lower Upper
164 100
166 126.5 101.4 152.0
129 98.3 80.2 120.4
131 94.2 75.0 112.4





#65

Chlorobenzene

Concen: 18.356 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

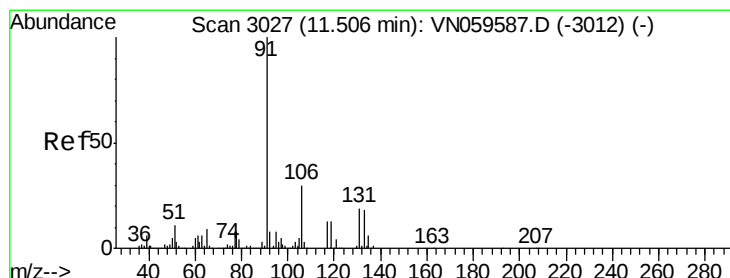
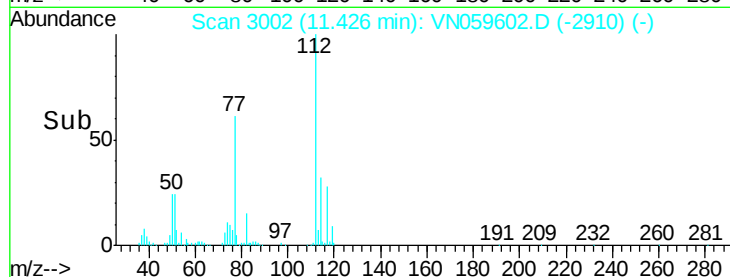
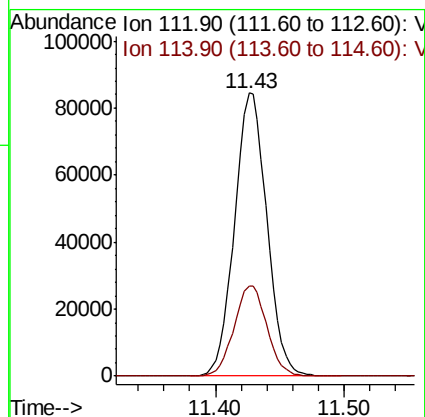
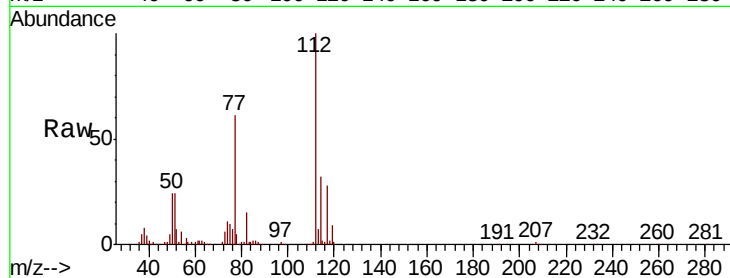
VN1216WBS03

Tgt Ion:112 Resp: 146873

Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 18.426 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

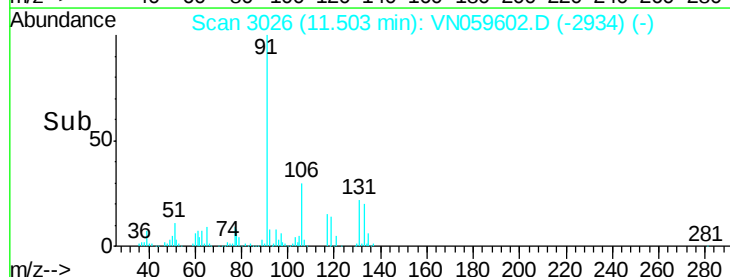
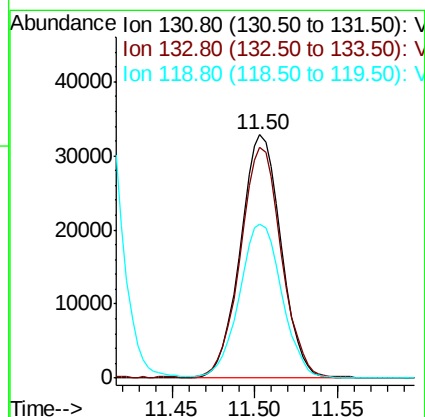
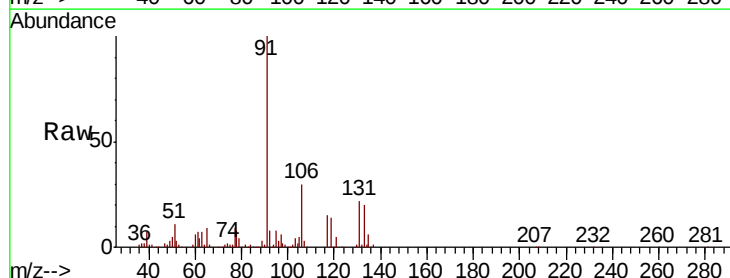
Tgt Ion:131 Resp: 56000

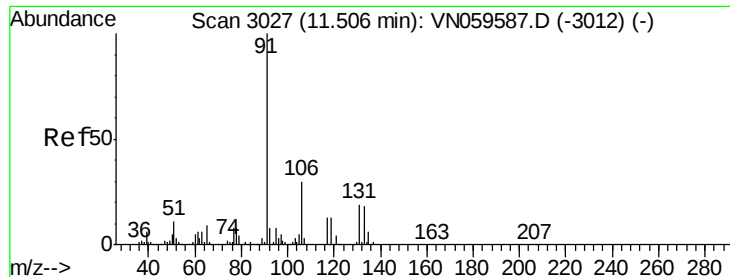
Ion Ratio Lower Upper

131 100

133 96.2 47.4 142.2

119 66.1 33.1 99.3





#67

Ethyl Benzene

Concen: 18.356 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

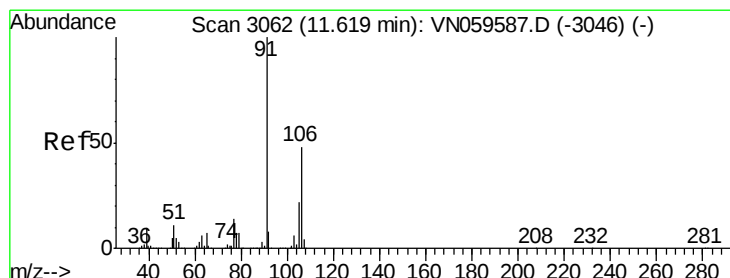
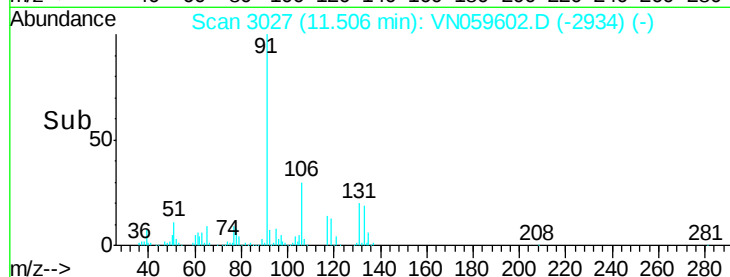
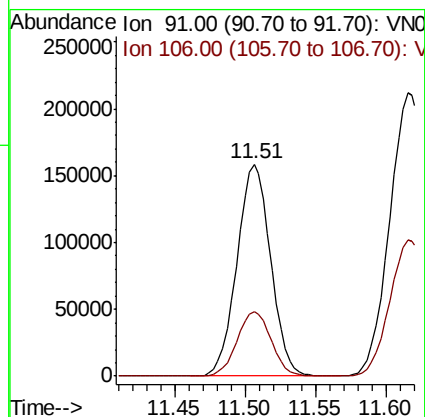
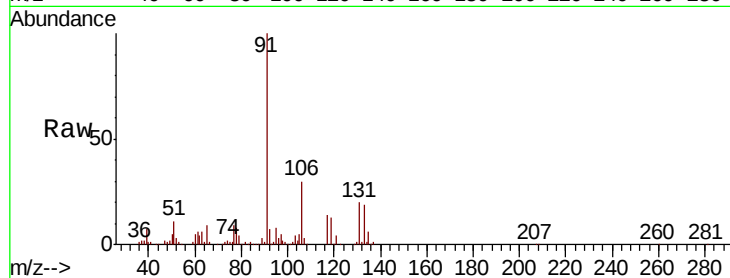
VN1216WBS03

Tgt Ion: 91 Resp: 265110

Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



#68

m/p-Xylenes

Concen: 36.900 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059602.D

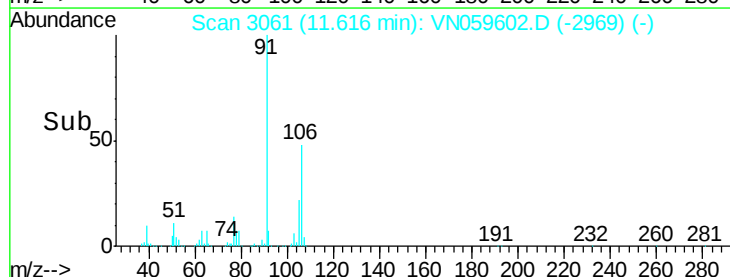
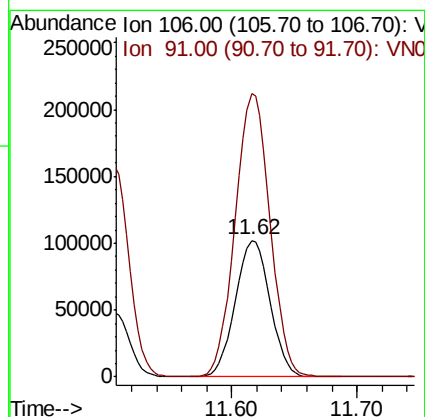
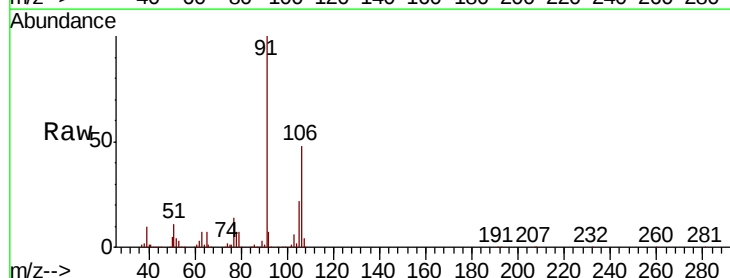
Acq: 16 Dec 2019 14:56

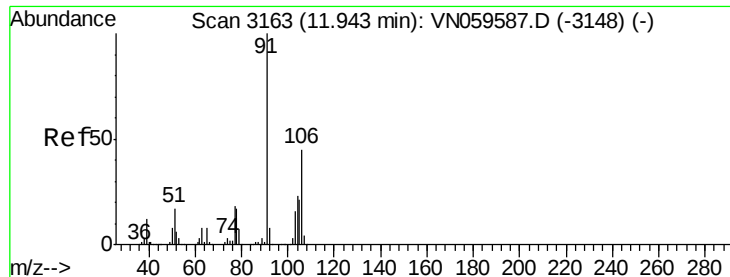
Tgt Ion: 106 Resp: 196795

Ion Ratio Lower Upper

106 100

91 207.4 167.9 251.9





#69

o-Xylene

Concen: 18.435 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

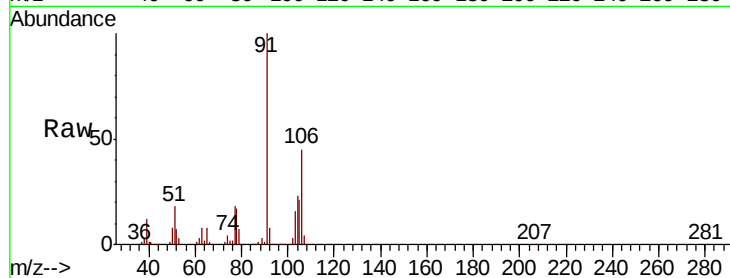
VN1216WBS03

Tgt Ion:106 Resp: 93549

Ion Ratio Lower Upper

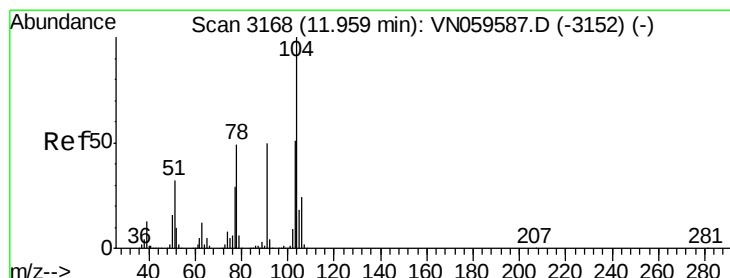
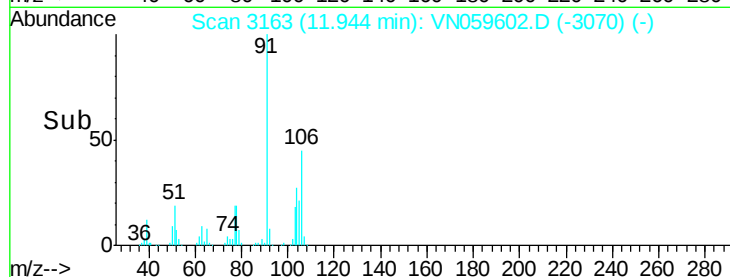
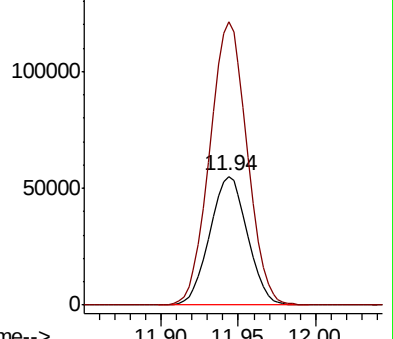
106 100

91 218.0 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 17.728 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

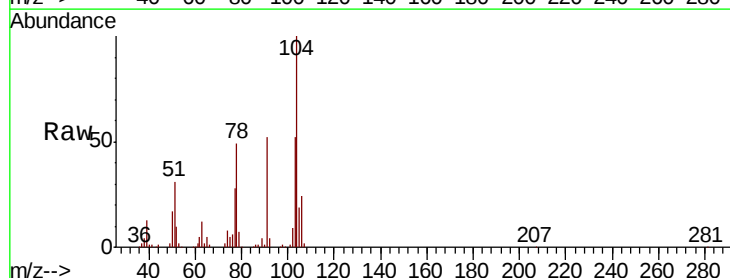
Tgt Ion:104 Resp: 144541

Ion Ratio Lower Upper

104 100

78 54.1 42.4 63.6

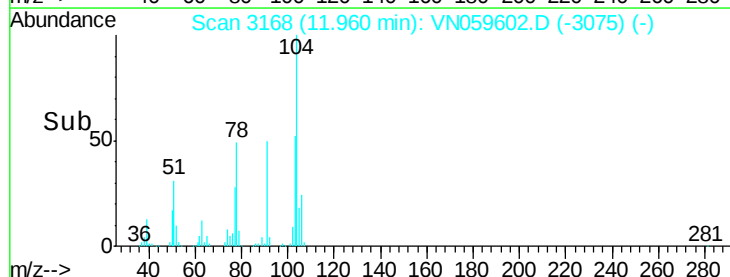
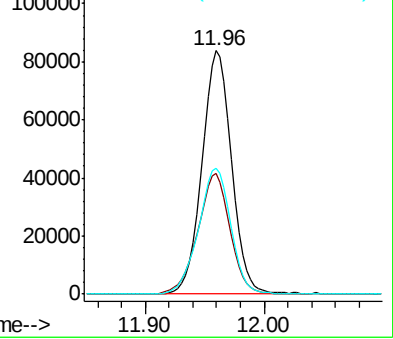
103 56.4 43.9 65.9

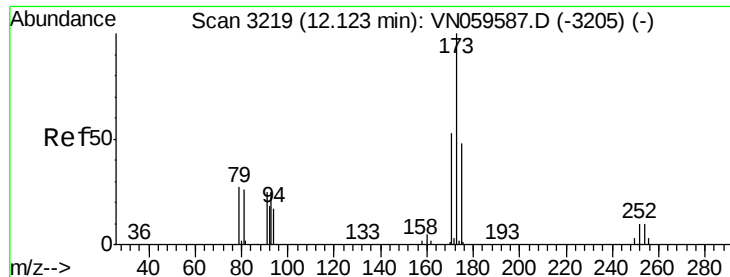


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.984 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

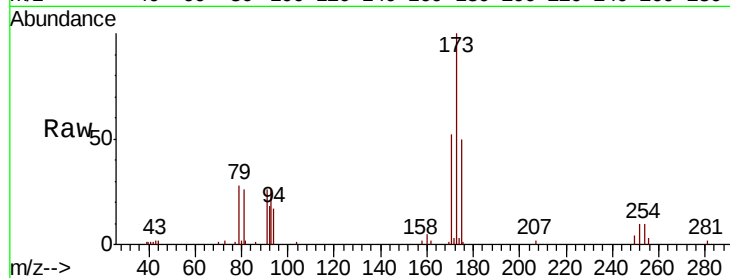
Tgt Ion:173 Resp: 41085

Ion Ratio Lower Upper

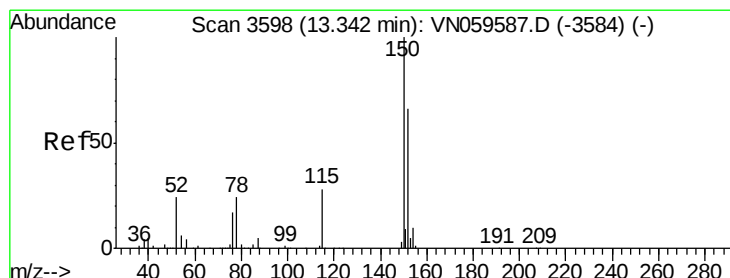
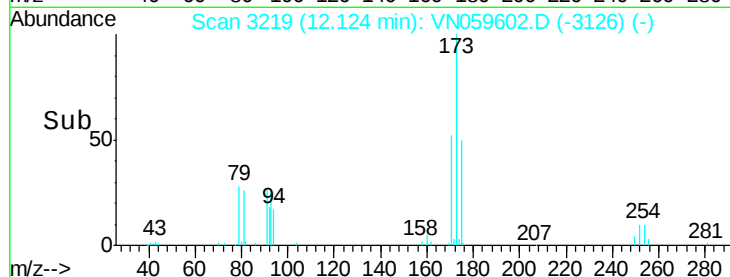
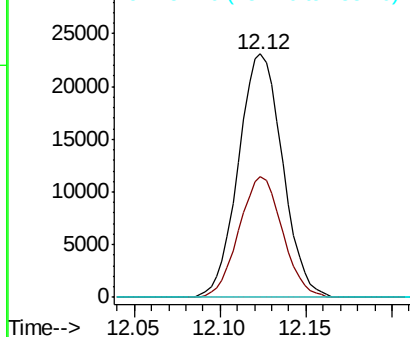
173 100

175 48.8 23.8 71.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

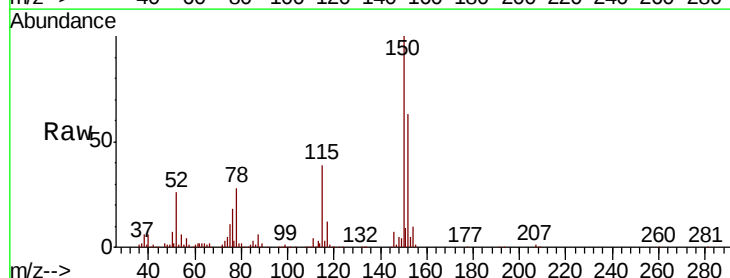
Tgt Ion:152 Resp: 166711

Ion Ratio Lower Upper

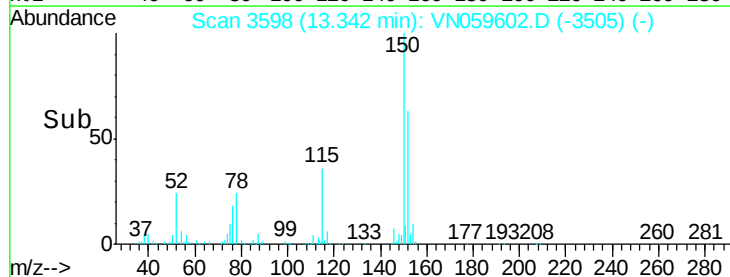
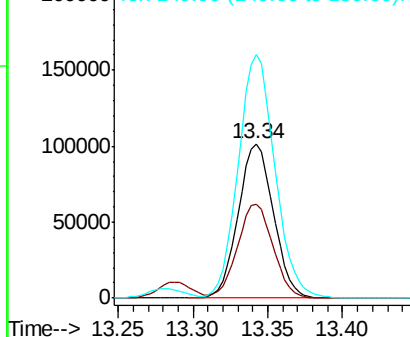
152 100

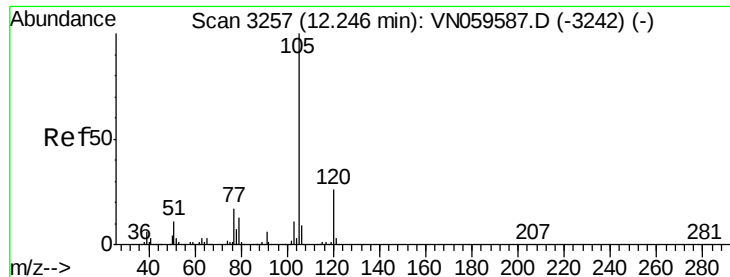
115 61.6 30.3 90.9

150 164.4 0.0 345.2



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





#73

Isopropylbenzene

Concen: 19.249 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

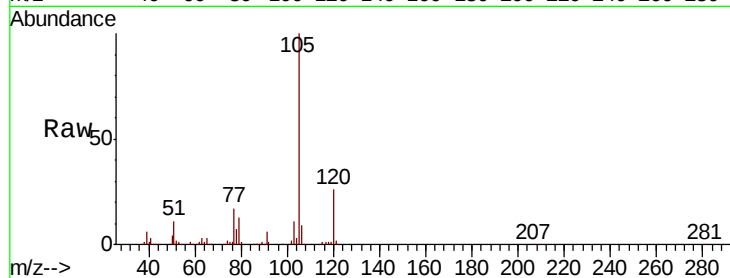
VN1216WBS03

Tgt Ion: 105 Resp: 251909

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

150000

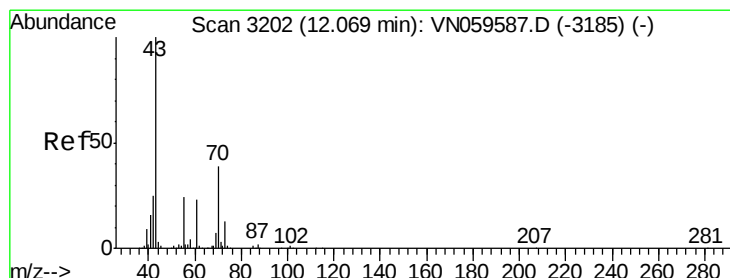
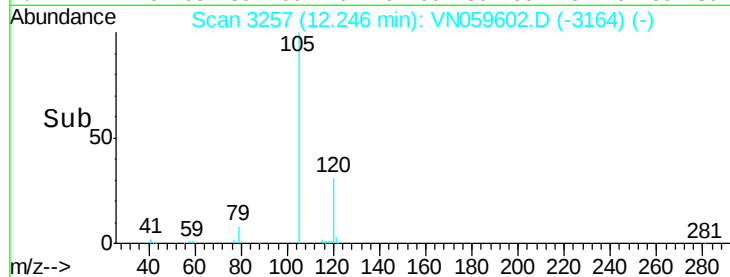
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 17.940 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Tgt Ion: 43 Resp: 107695

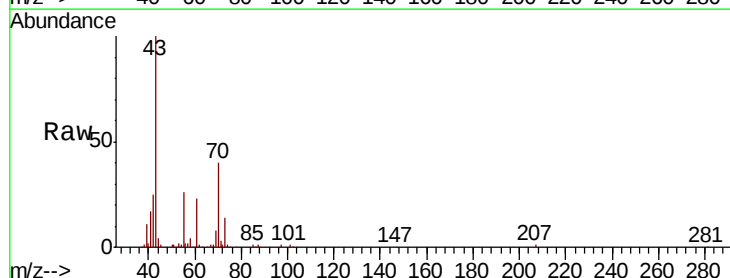
Ion Ratio Lower Upper

43 100

70 39.7 31.3 46.9

55 26.4 19.8 29.6

61 22.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

60000

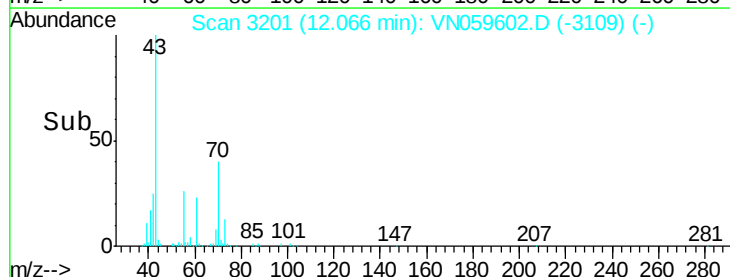
40000

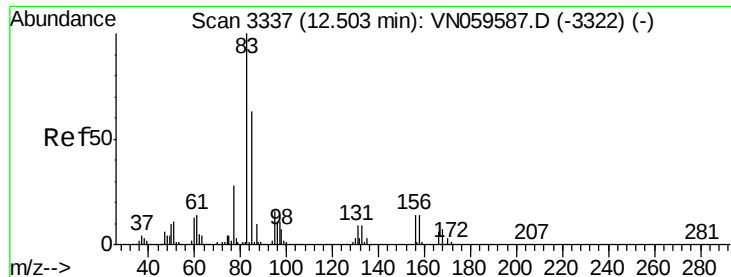
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.073 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

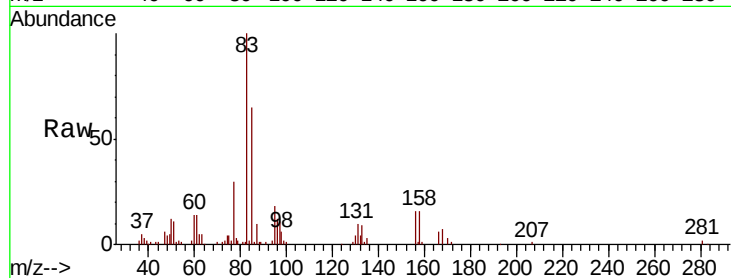
Tgt Ion: 83 Resp: 79180

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

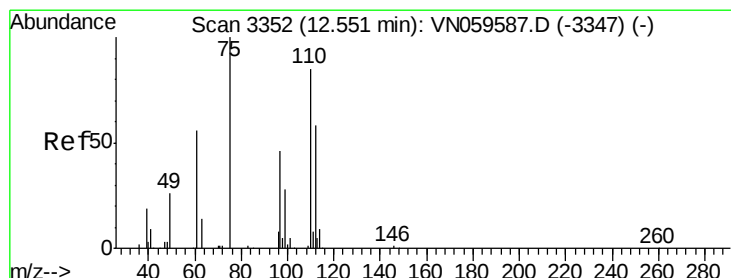
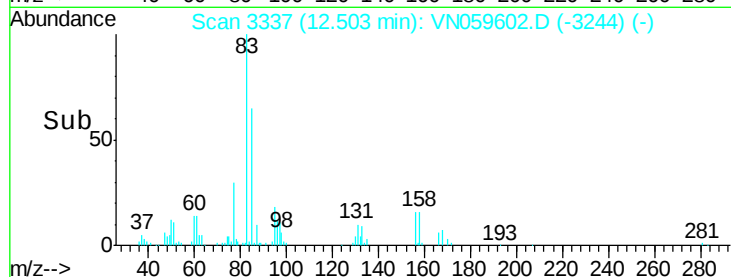
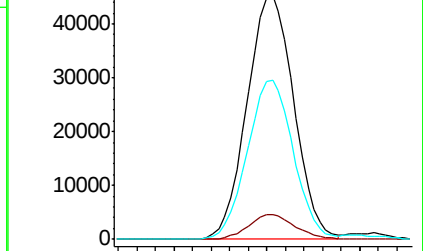
85 64.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059602.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059602.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059602.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 27.531 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059602.D

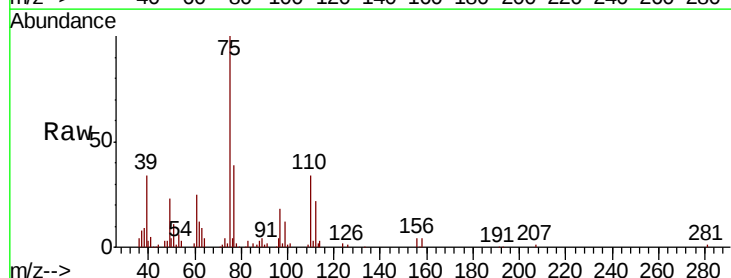
Acq: 16 Dec 2019 14:56

Tgt Ion: 75 Resp: 113621

Ion Ratio Lower Upper

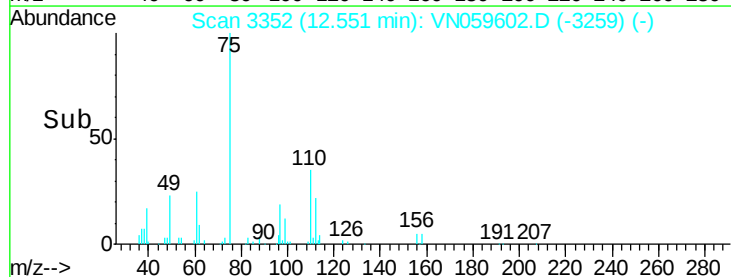
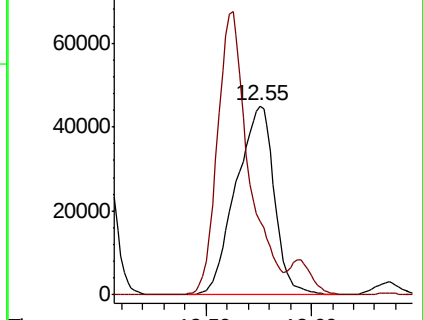
75 100

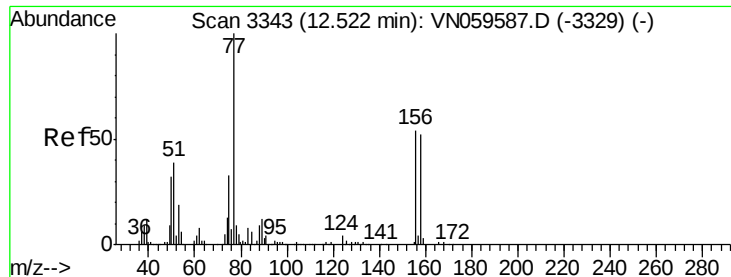
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059602.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059602.D (-3259) (-)





#77

Bromobenzene

Concen: 18.874 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

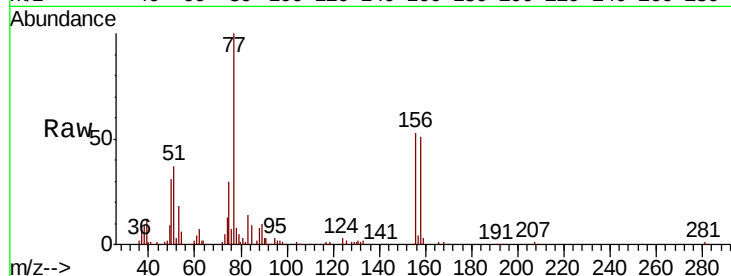
Tgt Ion:156 Resp: 60745

Ion Ratio Lower Upper

156 100

77 229.3 115.8 347.4

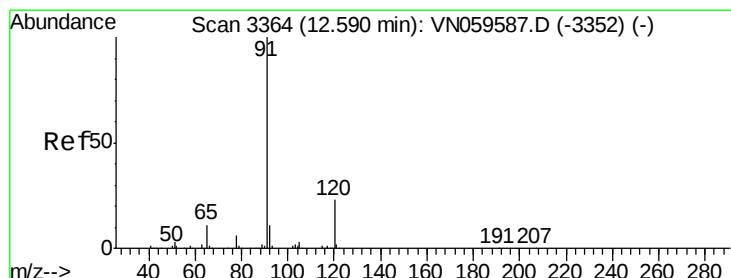
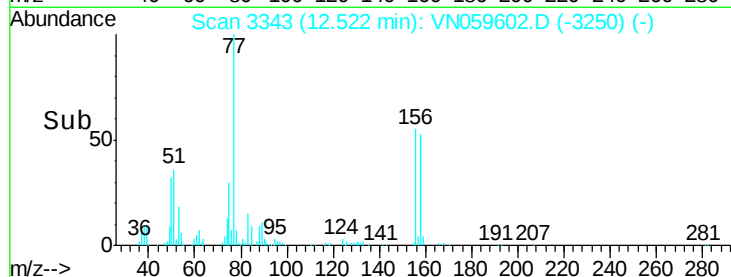
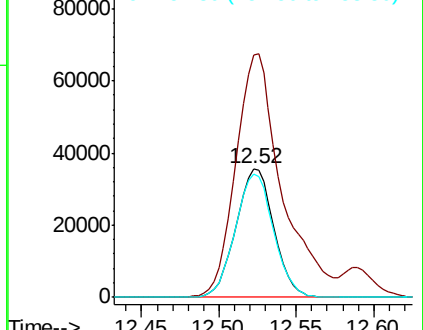
158 96.8 49.2 147.6



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: 18.996 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059602.D

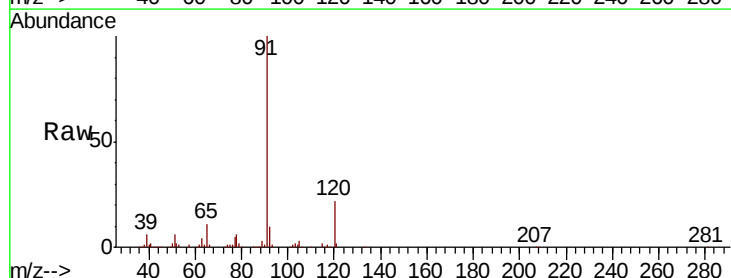
Acq: 16 Dec 2019 14:56

Tgt Ion: 91 Resp: 293865

Ion Ratio Lower Upper

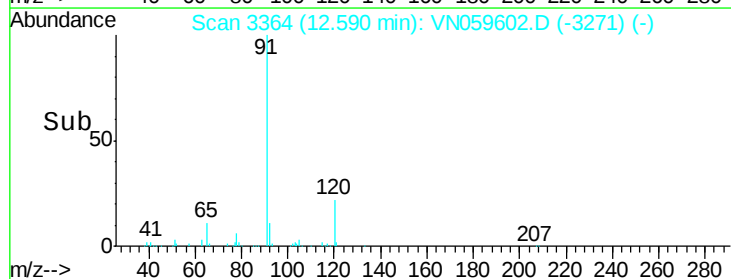
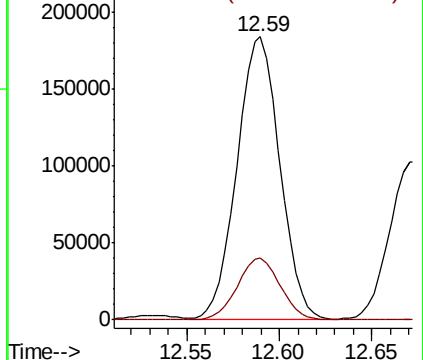
91 100

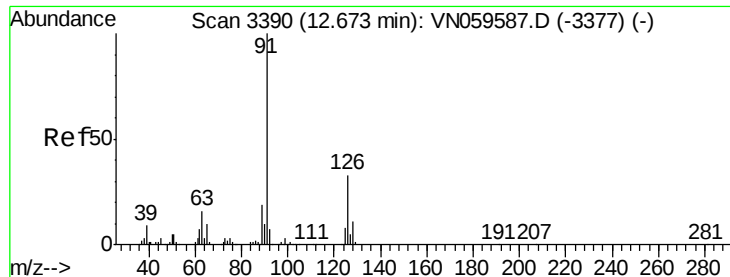
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

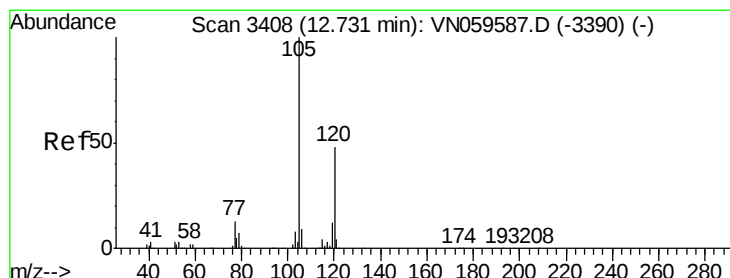
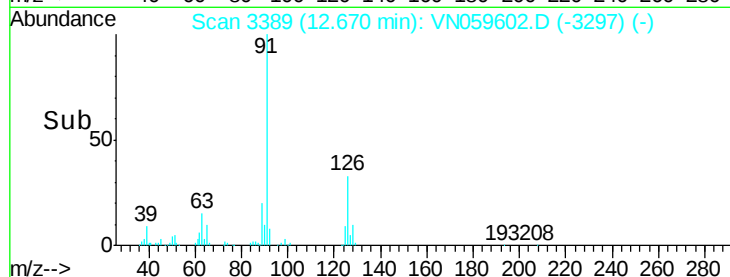
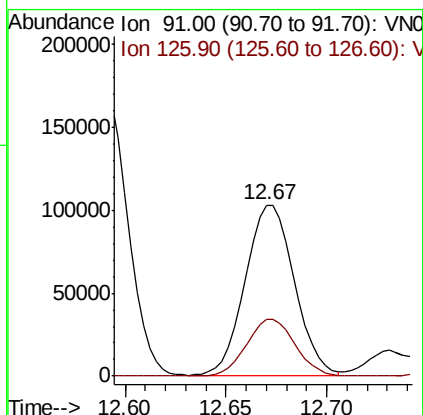
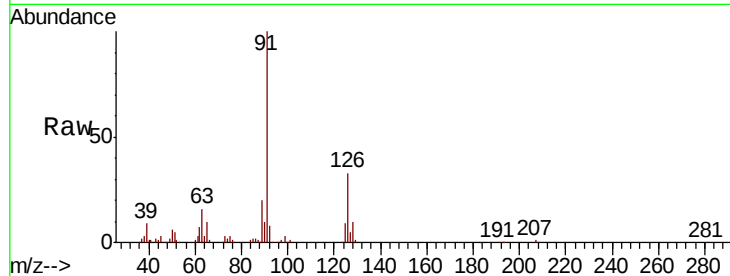




#79
2-Chlorotoluene
Concen: 18.698 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

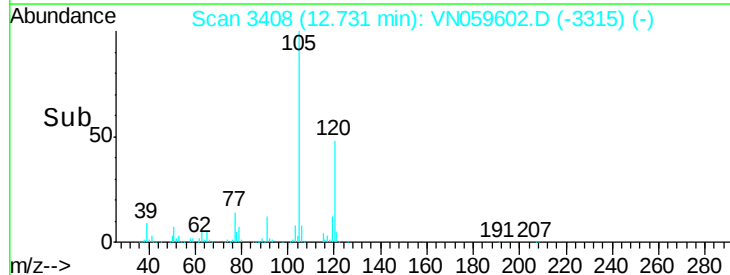
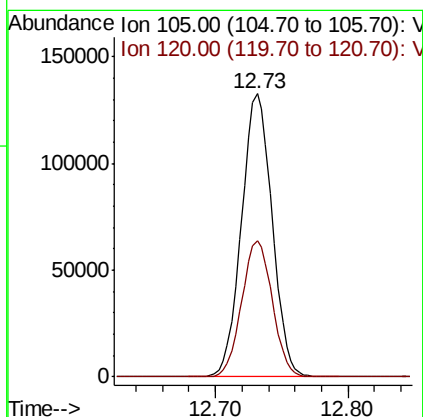
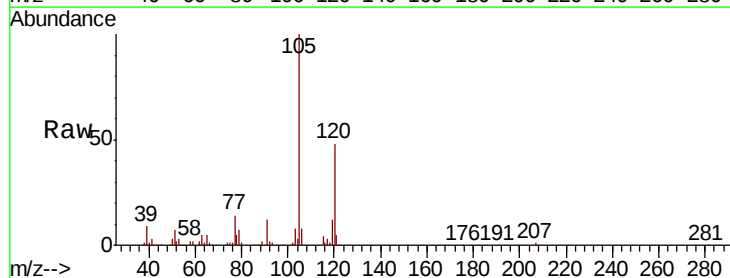
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS03

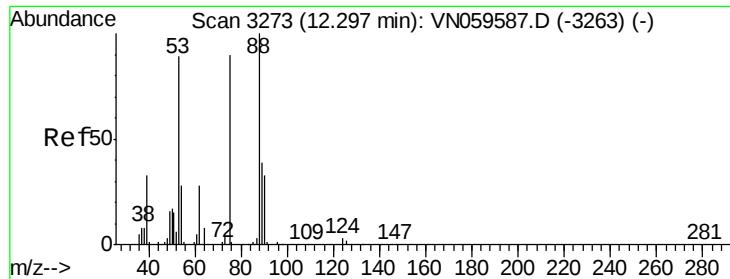
Tgt Ion: 91 Resp: 174907
Ion Ratio Lower Upper
91 100
126 33.4 16.3 48.9



#80
1,3,5-Trimethylbenzene
Concen: 19.205 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion: 105 Resp: 212690
Ion Ratio Lower Upper
105 100
120 48.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.438 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

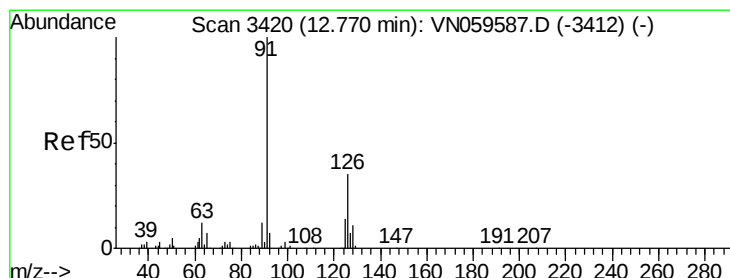
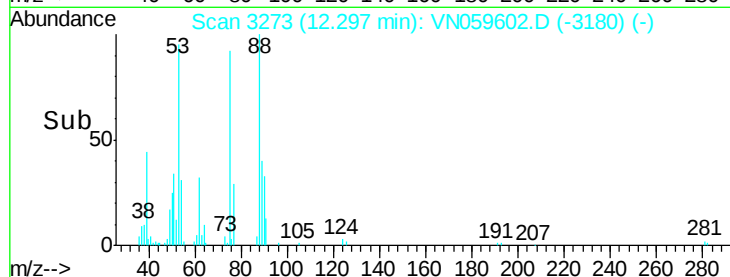
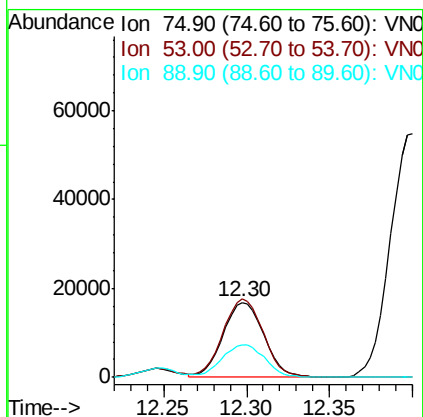
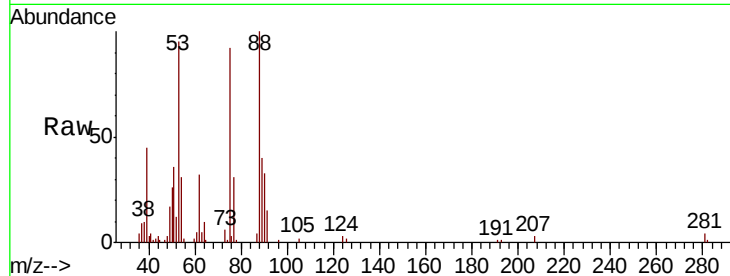
Tgt Ion: 75 Resp: 29137

Ion Ratio Lower Upper

75 100

53 102.9 78.1 117.1

89 45.1 35.4 53.2



#82

4-Chlorotoluene

Concen: 18.898 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059602.D

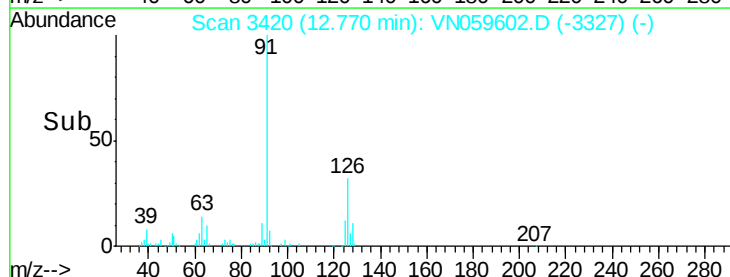
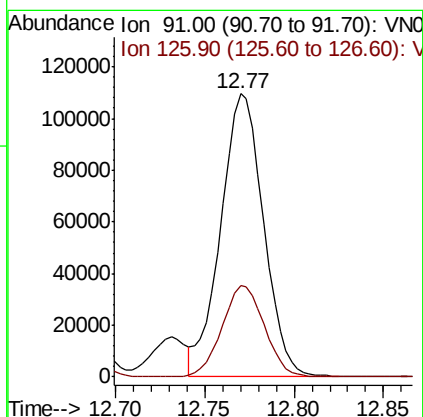
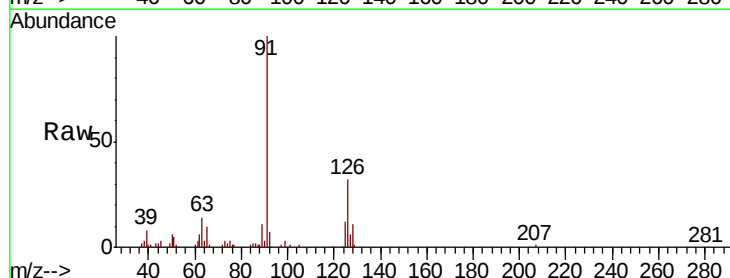
Acq: 16 Dec 2019 14:56

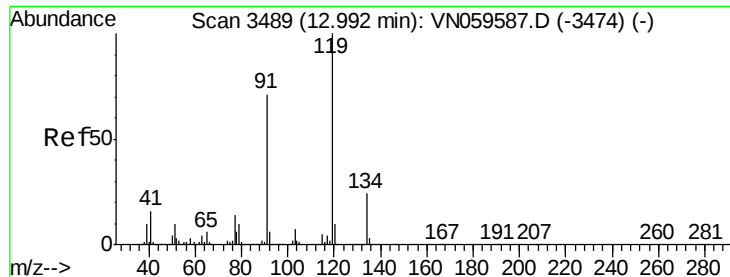
Tgt Ion: 91 Resp: 181002

Ion Ratio Lower Upper

91 100

126 32.4 16.3 48.8

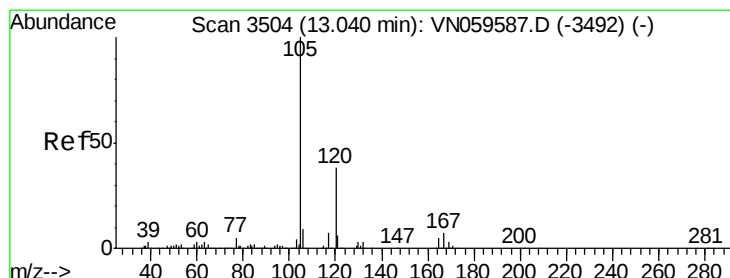
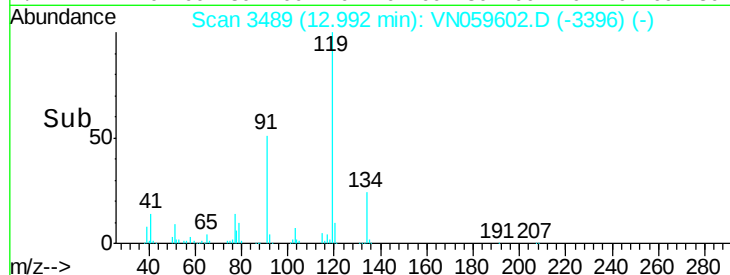
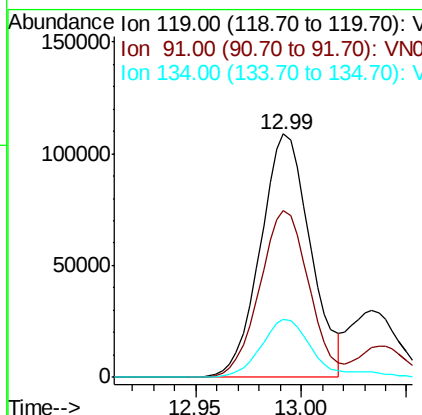
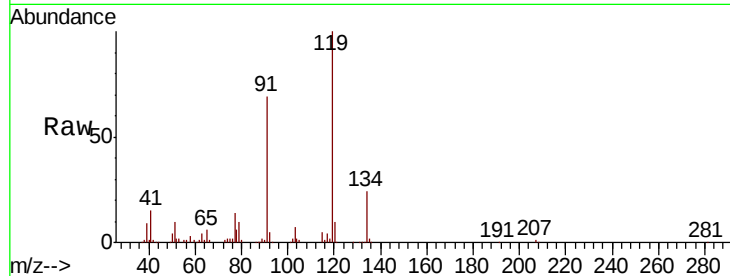




#83
 tert-Butylbenzene
 Concen: 19.151 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

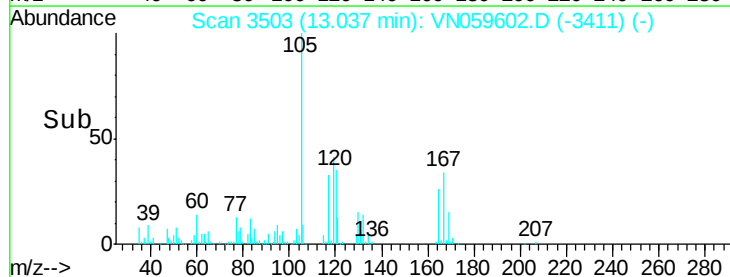
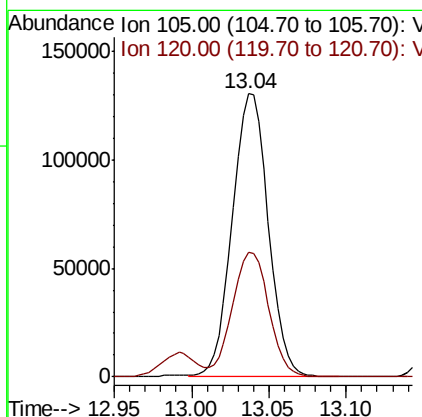
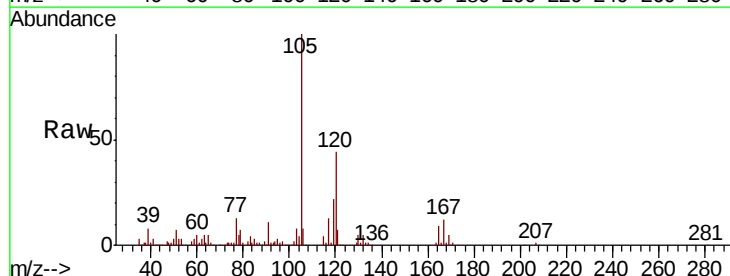
Instrument :
 MSVOA_N
 ClientSampled :
 VN1216WBS03

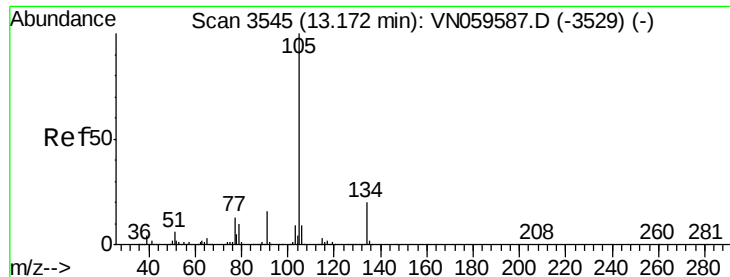
Tgt Ion:119 Resp: 179611
 Ion Ratio Lower Upper
 119 100
 91 67.7 34.8 104.4
 134 25.0 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.053 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion:105 Resp: 209813
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.3 66.9

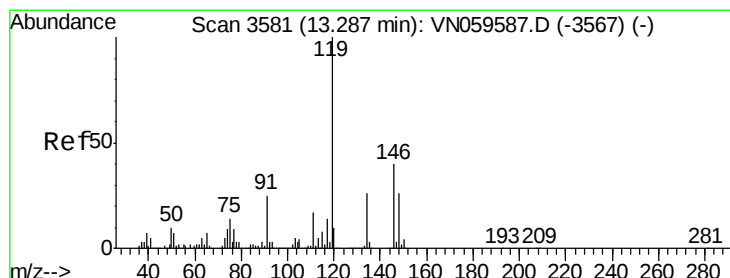
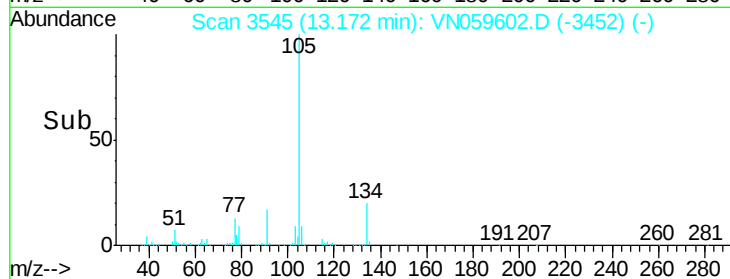
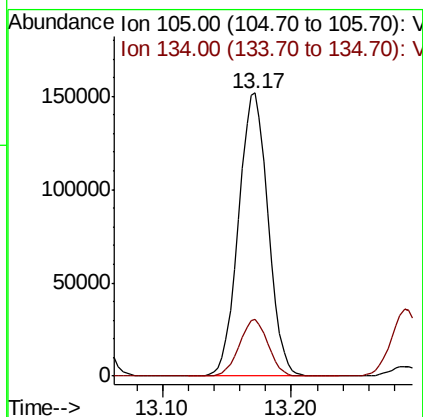
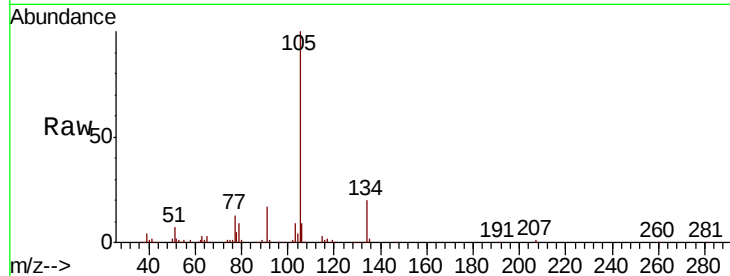




#85
 sec-Butylbenzene
 Concen: 19.366 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

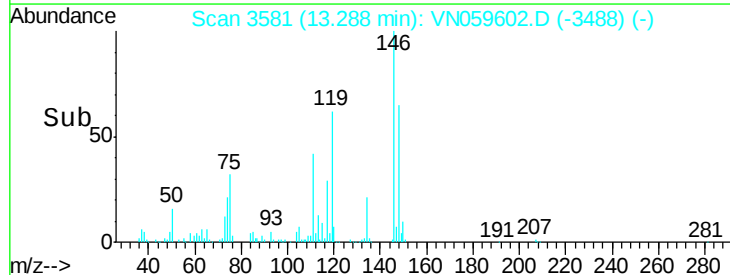
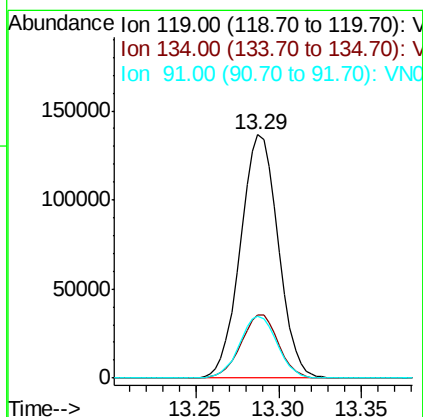
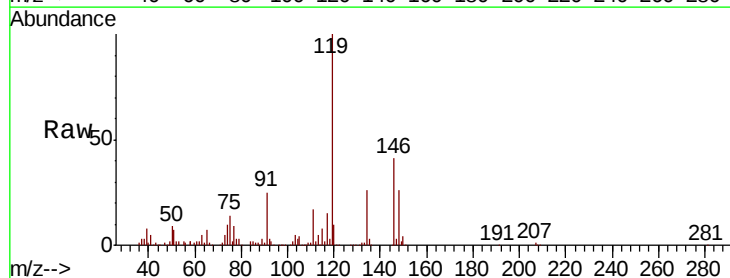
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

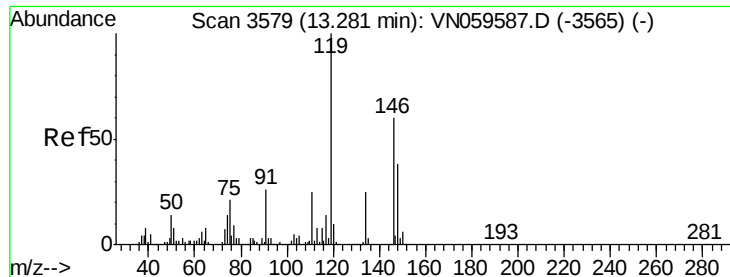
Tgt Ion:105 Resp: 241608
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 19.137 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion:119 Resp: 216239
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 25.1 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 17.895 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampled :

VN1216WBS03

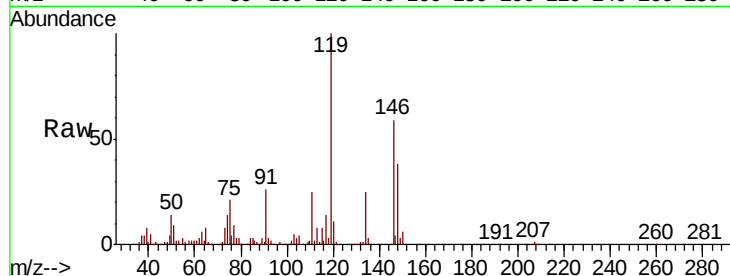
Tgt Ion:146 Resp: 105904

Ion Ratio Lower Upper

146 100

111 42.5 20.8 62.2

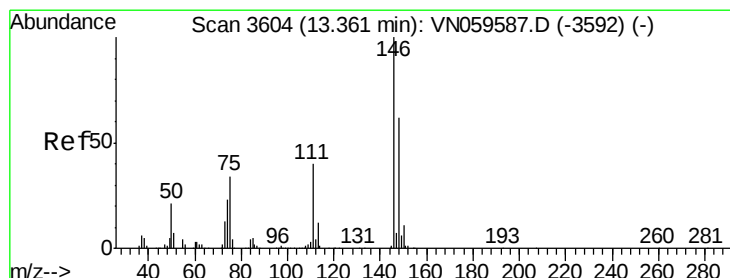
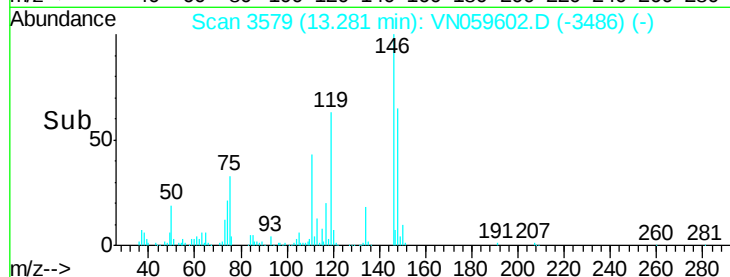
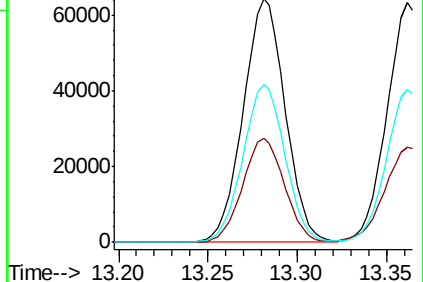
148 64.8 32.0 96.0



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: 17.545 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

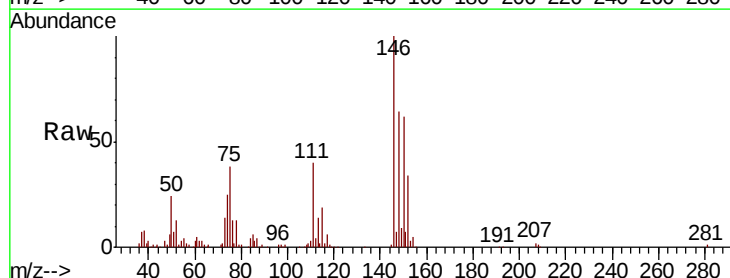
Tgt Ion:146 Resp: 104686

Ion Ratio Lower Upper

146 100

111 41.8 20.8 62.2

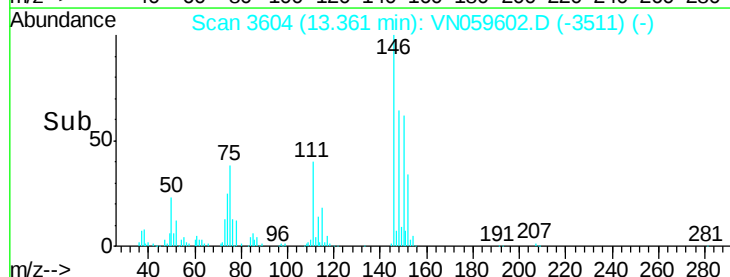
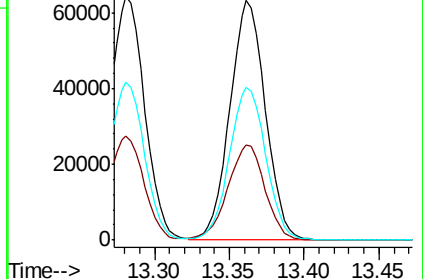
148 65.5 31.8 95.4

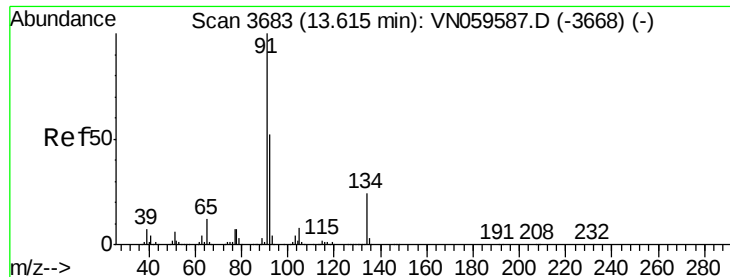


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.368 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059602.D

Acq: 16 Dec 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS03

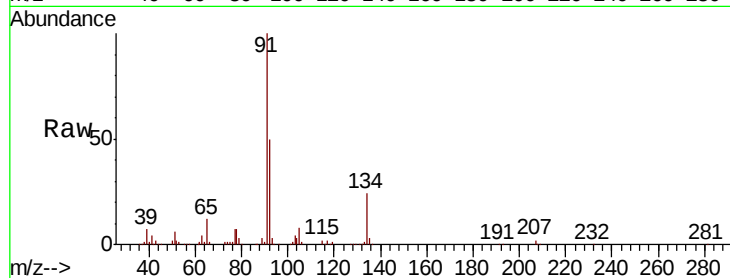
Tgt Ion: 91 Resp: 194585

Ion Ratio Lower Upper

91 100

92 50.4 25.9 77.7

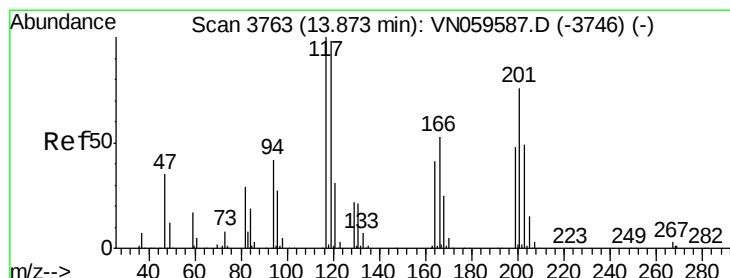
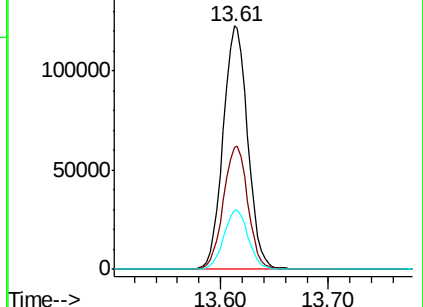
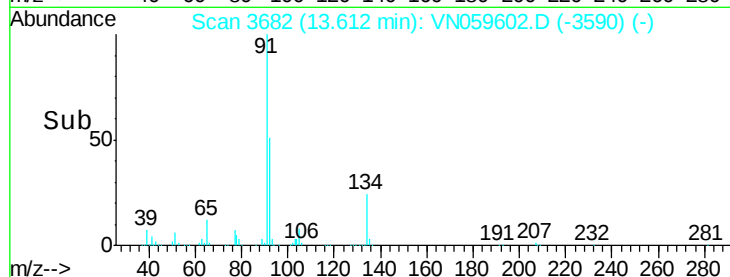
134 24.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059587.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059587.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.932 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059602.D

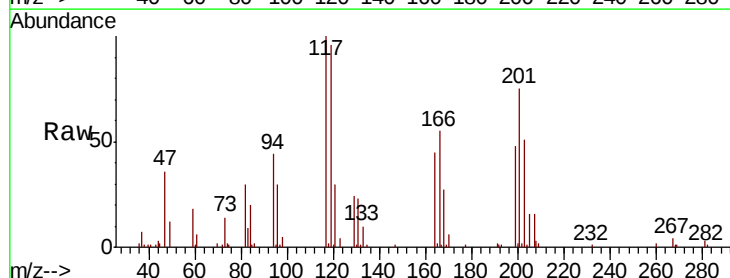
Acq: 16 Dec 2019 14:56

Tgt Ion: 117 Resp: 40436

Ion Ratio Lower Upper

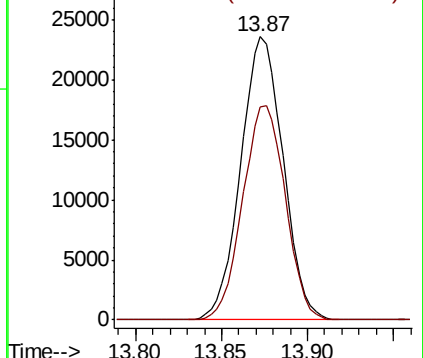
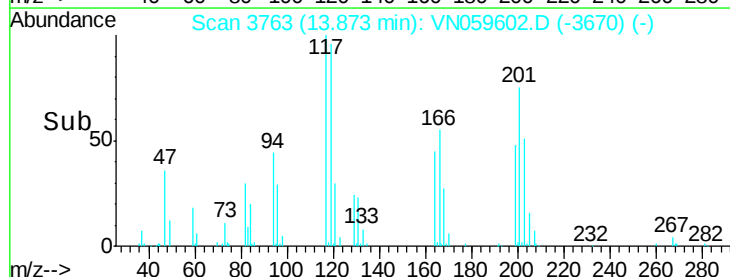
117 100

201 76.0 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059587.D (-3746) (-)

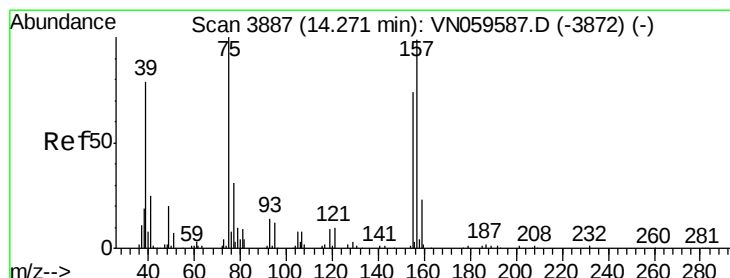
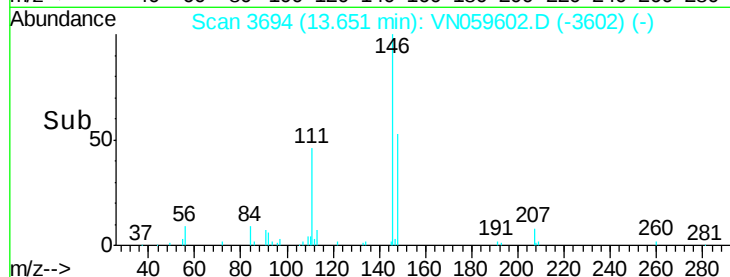
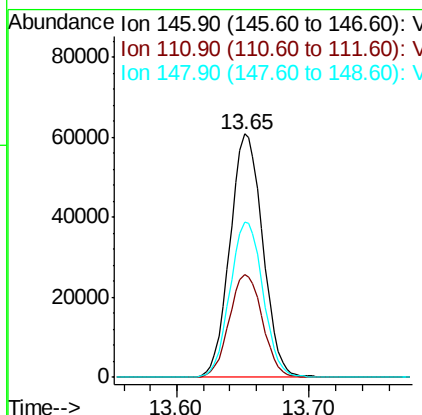
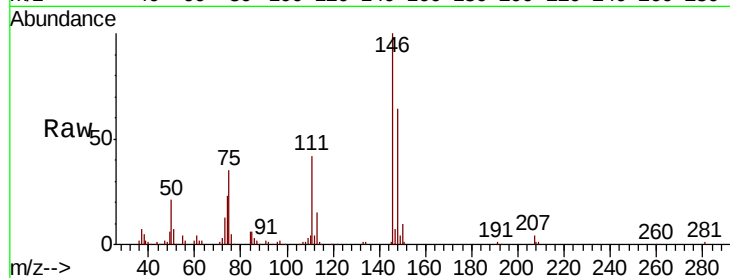




#91
 1,2-Dichlorobenzene
 Concen: 17.893 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

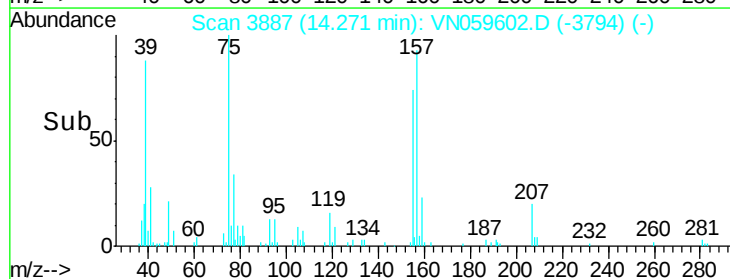
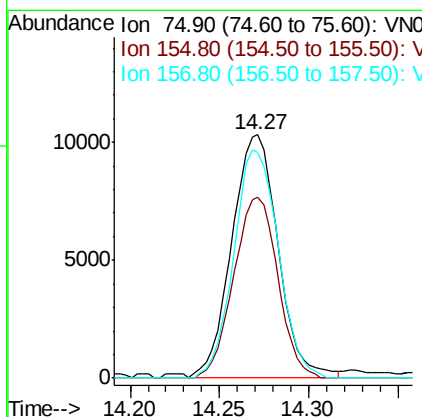
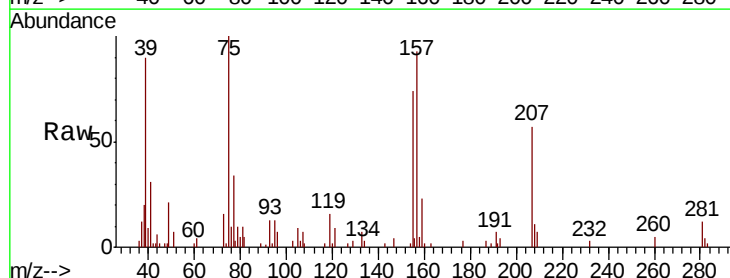
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

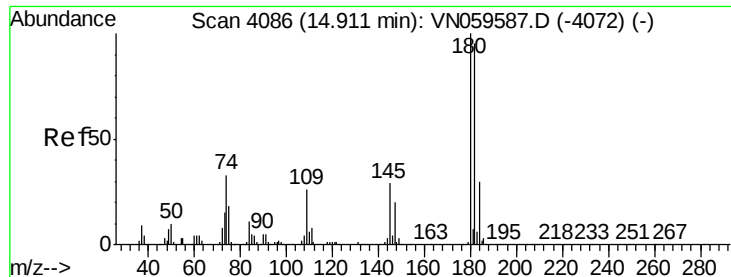
Tgt Ion:146 Resp: 104432
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.6 64.8
 148 64.6 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.204 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion: 75 Resp: 18698
 Ion Ratio Lower Upper
 75 100
 155 70.7 37.0 110.9
 157 90.2 48.4 145.2

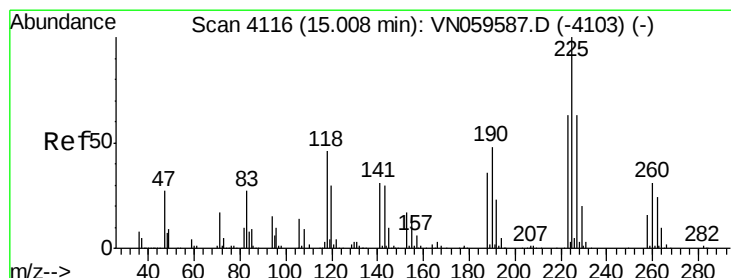
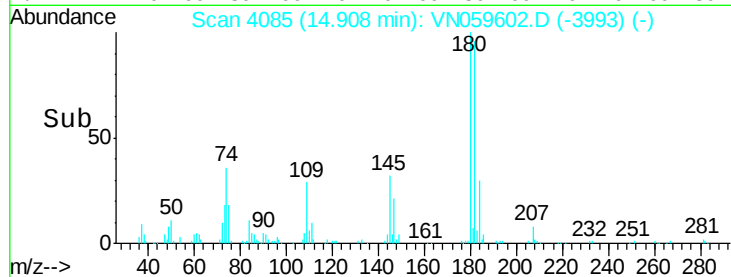
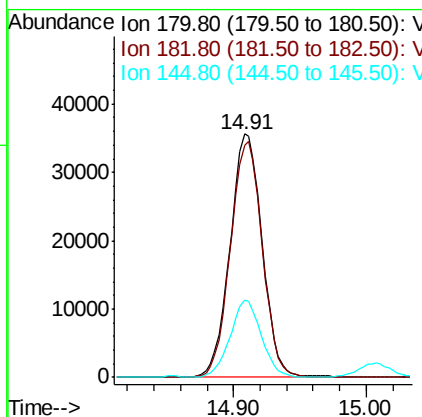
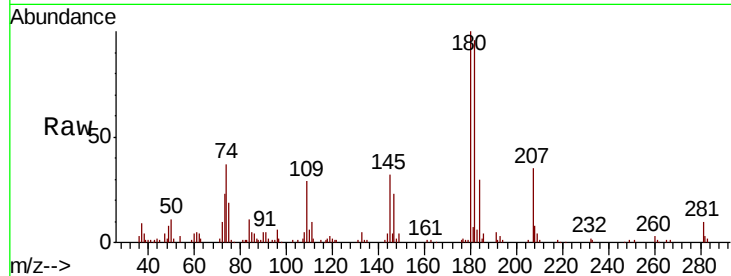




#93
 1,2,4-Trichlorobenzene
 Concen: 15.873 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

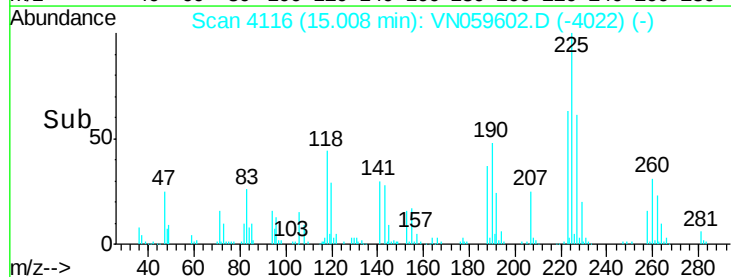
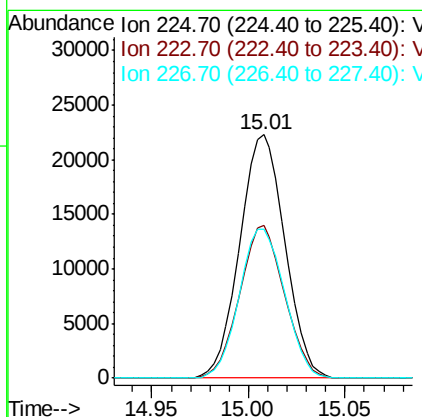
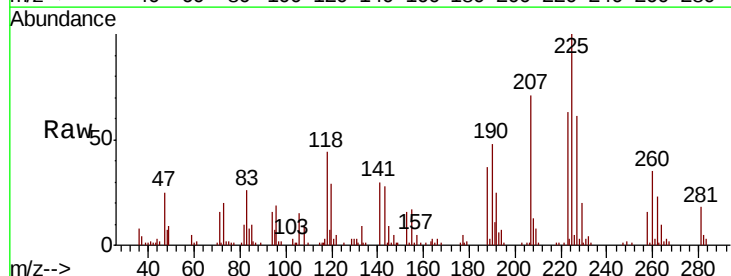
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS03

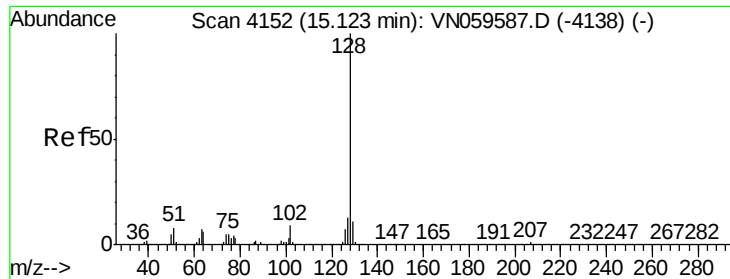
Tgt Ion:180 Resp: 59821
 Ion Ratio Lower Upper
 180 100
 182 96.0 46.9 140.7
 145 30.9 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 18.735 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059602.D
 Acq: 16 Dec 2019 14:56

Tgt Ion:225 Resp: 36173
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.8 95.3
 227 61.5 32.1 96.5

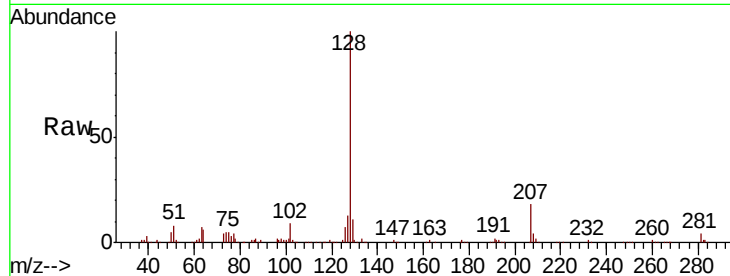




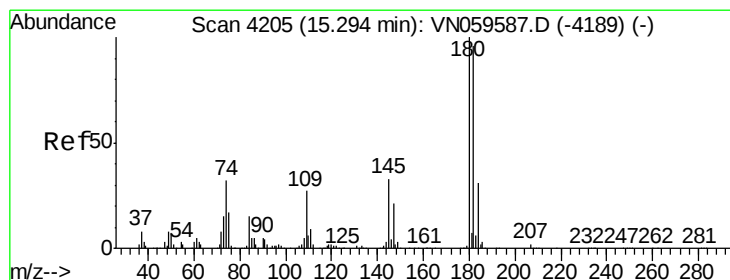
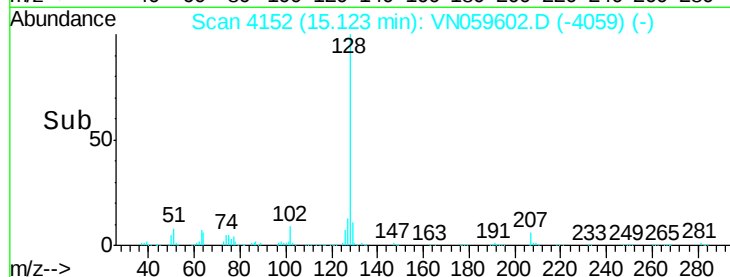
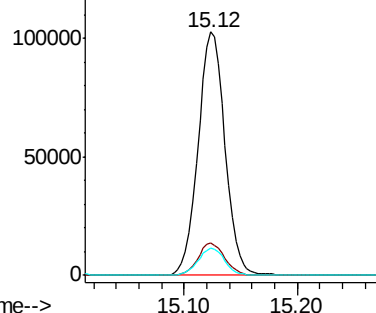
#95
Naphthalene
Concen: 15.101 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Instrument :
MSVOA_N
ClientSampled :
VN1216WBS03

Tgt Ion:128 Resp: 169898
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.6 12.8

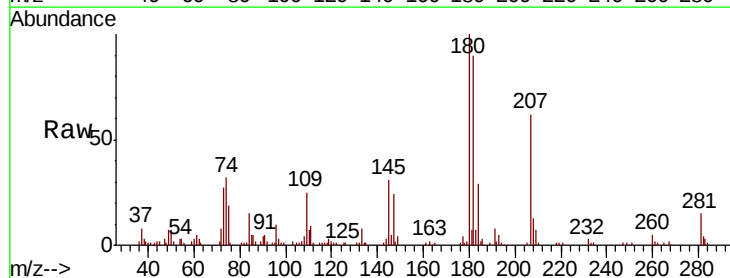


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 16.031 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059602.D
Acq: 16 Dec 2019 14:56

Tgt Ion:180 Resp: 61108
Ion Ratio Lower Upper
180 100
182 91.2 47.4 142.3
145 32.8 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

