

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
 Data File : VN058388.D
 Acq On : 26 Sep 2019 16:04
 Operator : JC/SP
 Sample : VN09216WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN09216WBSD02

Quant Time: Sep 27 02:36:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	464107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	791209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	663700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299317	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	329625	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	7.57	113	227123	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	10.09	98	870353	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
62) 4-Bromofluorobenzene	12.41	95	297410	42.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.44%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	58736	15.406 ug/l	99
3) Chloromethane	2.04	50	49195	16.038 ug/l	99
4) Vinyl Chloride	2.17	62	50453	15.067 ug/l	98
5) Bromomethane	2.50	94	9901	6.459 ug/l	95
6) Chloroethane	2.68	64	750	Below Cal	# 80
7) Trichlorofluoromethane	2.92	101	87188	16.754 ug/l	95
8) Diethyl Ether	3.38	74	46819	19.635 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.70	101	72608	19.352 ug/l	98
10) Methyl Iodide	3.90	142	13587	4.322 ug/l	98
11) Tert butyl alcohol	4.71	59	10023	13.035 ug/l	# 71
12) 1,1-Dichloroethene	3.68	96	53580	18.594 ug/l	94
13) Acrolein	3.59	56	5949	52.207 ug/l	93
14) Allyl chloride	4.28	41	89757	14.620 ug/l	96
15) Acrylonitrile	4.97	53	211067	103.029 ug/l	100
16) Acetone	3.81	43	201834	91.986 ug/l	97
17) Carbon Disulfide	4.00	76	55877	14.137 ug/l	97
18) Methyl Acetate	4.30	43	131325	22.746 ug/l	97
19) Methyl tert-butyl Ether	5.02	73	300550	21.238 ug/l	100
20) Methylene Chloride	4.51	84	77909	20.148 ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	58577	18.626 ug/l	96
22) Diisopropyl ether	5.93	45	329185	21.108 ug/l	98
23) Vinyl Acetate	5.87	43	1123907	105.320 ug/l	99
24) 1,1-Dichloroethane	5.81	63	163074	19.592 ug/l	98
25) 2-Butanone	6.82	43	283324	94.779 ug/l	99
26) 2,2-Dichloropropane	6.79	77	127061	17.994 ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	89860	19.093 ug/l	99
28) Bromochloromethane	7.18	49	75992	19.299 ug/l	98
29) Tetrahydrofuran	7.20	42	181343	98.485 ug/l	99
30) Chloroform	7.35	83	171193	19.107 ug/l	97
31) Cyclohexane	7.63	56	106345	18.231 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	128480	18.837 ug/l	100
36) 1,1-Dichloropropene	7.77	75	96599	16.930 ug/l	98
37) Ethyl Acetate	6.91	43	131196	22.156 ug/l	99
38) Carbon Tetrachloride	7.75	117	96908	16.896 ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	97951	17.801	ug/l	96
40) Benzene	8.02	78	324913	18.644	ug/l	99
41) Methacrylonitrile	7.16	41	51025	17.704	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	141476	19.347	ug/l	99
43) Isopropyl Acetate	8.16	43	264658	23.932	ug/l #	86
44) Trichloroethene	8.82	130	76692	17.983	ug/l	100
45) 1,2-Dichloropropane	9.11	63	103444	19.876	ug/l	95
46) Dibromomethane	9.20	93	59214	18.713	ug/l	98
47) Bromodichloromethane	9.39	83	119585	18.040	ug/l	99
48) Methyl methacrylate	9.19	41	96602	19.239	ug/l	99
49) 1,4-Dioxane	9.21	88	13833	167.799	ug/l	89
51) 4-Methyl-2-Pentanone	9.99	43	624043	106.239	ug/l	99
52) Toluene	10.15	92	195526	17.902	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	124650	18.357	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	135164	18.029	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	95330	19.668	ug/l	98
56) Ethyl methacrylate	10.43	69	132560	18.955	ug/l	98
57) 1,3-Dichloropropane	10.71	76	161084	19.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	382712	114.892	ug/l	99
59) 2-Hexanone	10.76	43	443712	101.710	ug/l	97
60) Dibromochloromethane	10.90	129	78789	16.897	ug/l	98
61) 1,2-Dibromoethane	11.00	107	83331	18.552	ug/l	98
64) Tetrachloroethene	10.63	164	61284	18.942	ug/l	98
65) Chlorobenzene	11.44	112	223631	19.156	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	82138	19.404	ug/l	100
67) Ethyl Benzene	11.51	91	399182	19.956	ug/l	98
68) m/p-Xylenes	11.63	106	284055	37.704	ug/l	97
69) o-Xylene	11.95	106	143713	19.400	ug/l	99
70) Styrene	11.97	104	244963	19.192	ug/l	98
71) Bromoform	12.13	173	44987	16.899	ug/l #	98
73) Isopropylbenzene	12.25	105	409876	21.877	ug/l	100
74) N-amyl acetate	12.08	43	179603	22.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	139745	22.274	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	159253	29.729	ug/l #	100
77) Bromobenzene	12.53	156	93864	19.917	ug/l	96
78) n-propylbenzene	12.60	91	465576	21.868	ug/l	99
79) 2-Chlorotoluene	12.68	91	282980	21.268	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	339498	21.429	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	27527	19.306	ug/l	88
82) 4-Chlorotoluene	12.78	91	286472	20.482	ug/l	100
83) tert-Butylbenzene	13.00	119	306442	21.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	346323	21.966	ug/l	99
85) sec-Butylbenzene	13.18	105	401406	21.727	ug/l	100
86) p-Isopropyltoluene	13.30	119	357596	21.772	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	175415	20.379	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	178120	20.269	ug/l	98
89) n-Butylbenzene	13.62	91	325749	20.919	ug/l	99
90) Hexachloroethane	13.89	117	49532	19.049	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	181772	21.052	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23807	21.077	ug/l	99

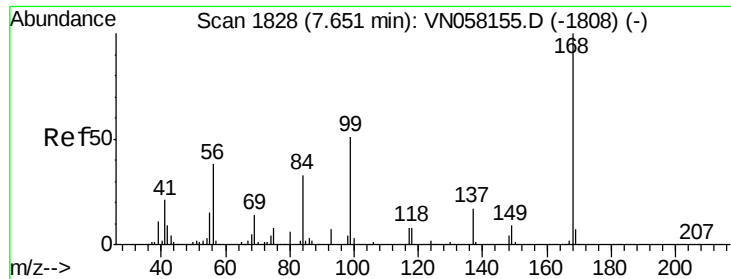
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	114937	20.834	ug/l	99
94) Hexachlorobutadiene	15.02	225	53546	20.081	ug/l	97
95) Naphthalene	15.14	128	354972	24.828	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	109717	21.041	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

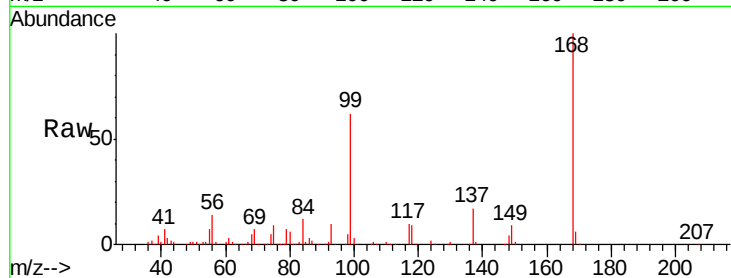
VN09216WBSD02

Tgt Ion:168 Resp: 464107

Ion Ratio Lower Upper

168 100

99 61.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

100000

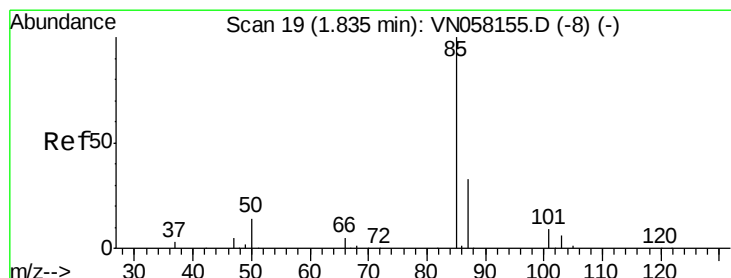
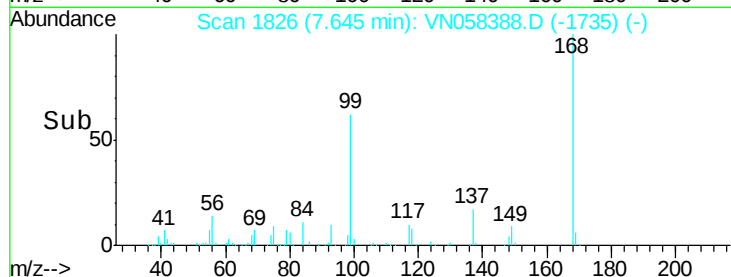
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.406 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058388.D

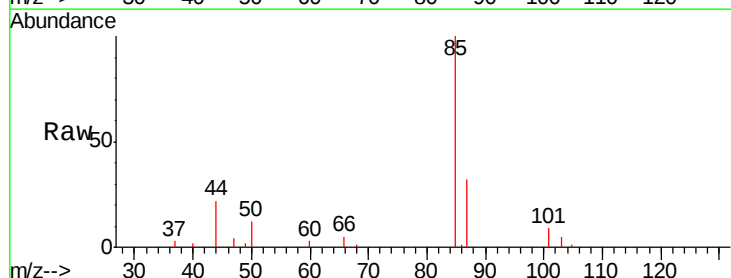
Acq: 26 Sep 2019 16:04

Tgt Ion: 85 Resp: 58736

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

30000

25000

20000

15000

10000

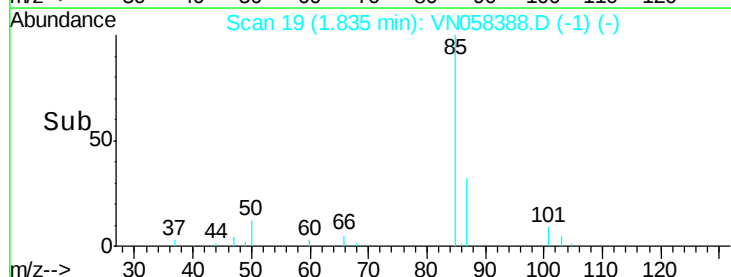
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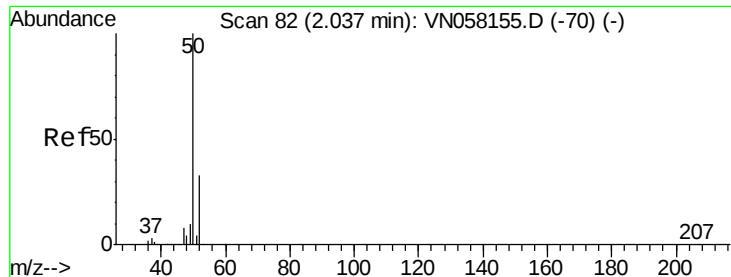
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 16.038 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

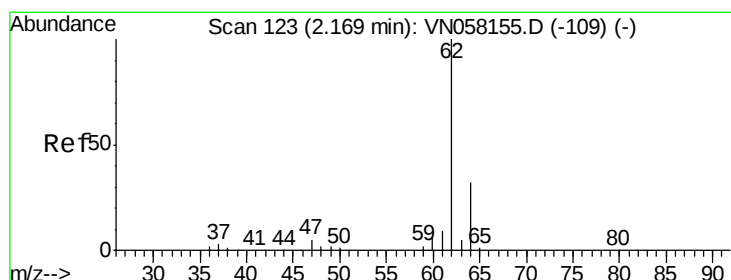
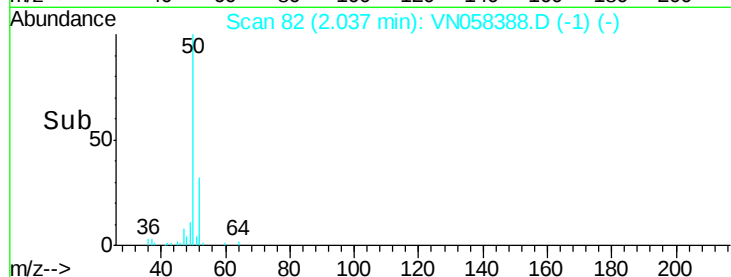
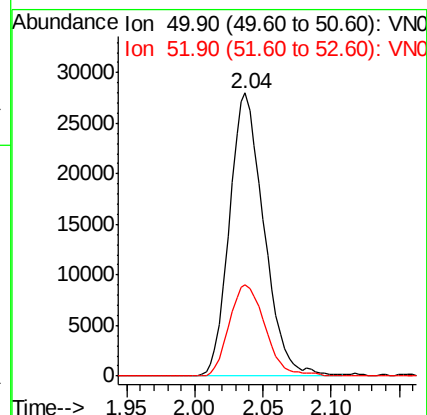
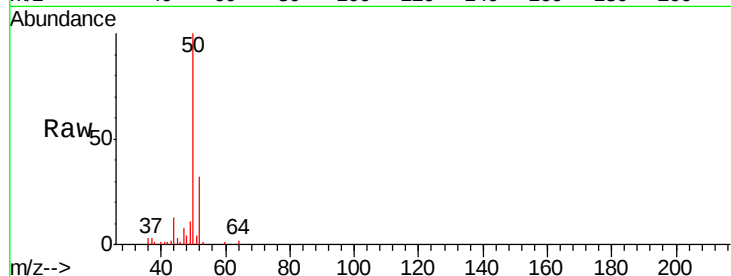
VN09216WBSD02

Tgt Ion: 50 Resp: 49195

Ion Ratio Lower Upper

50 100

52 32.5 26.3 39.5



#4

Vinyl Chloride

Concen: 15.067 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058388.D

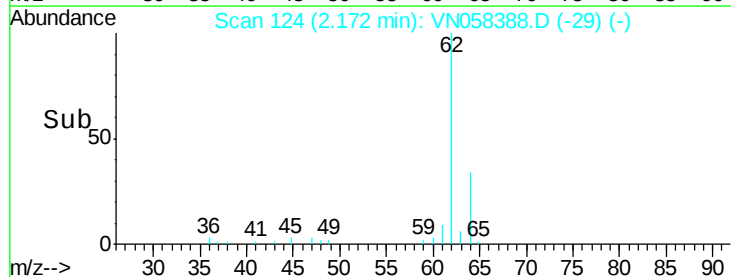
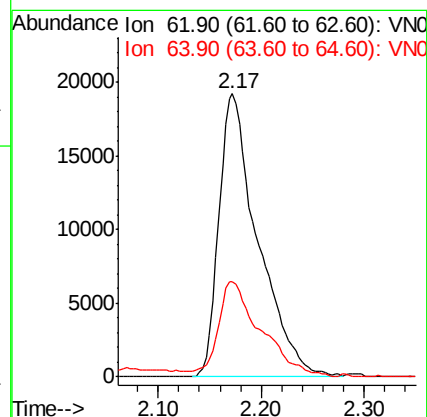
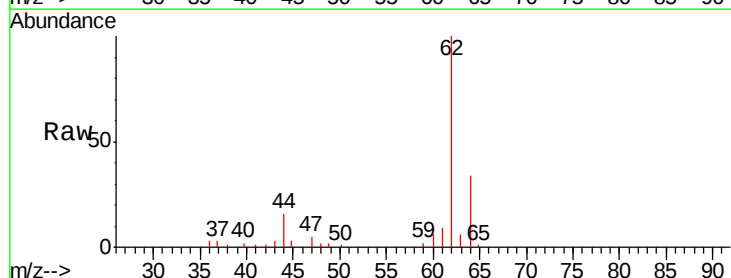
Acq: 26 Sep 2019 16:04

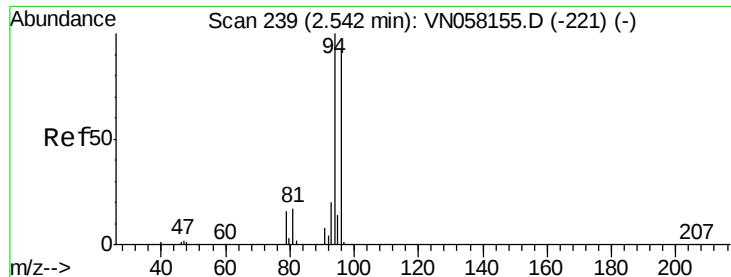
Tgt Ion: 62 Resp: 50453

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.2





#5

Bromomethane

Concen: 6.459 ug/l

RT: 2.50 min Scan# 226

Delta R.T. -0.04 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

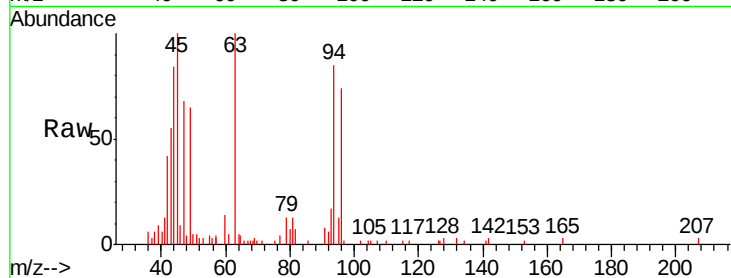
VN09216WBSD02

Tgt Ion: 94 Resp: 9901

Ion Ratio Lower Upper

94 100

96 86.5 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.50

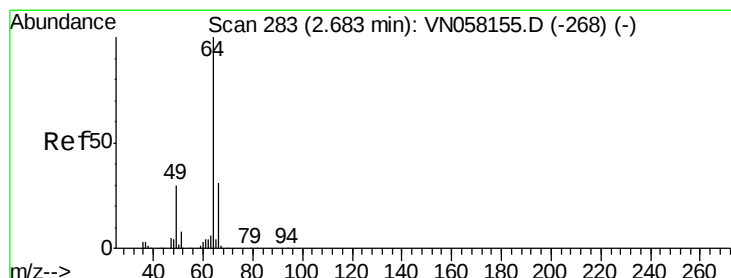
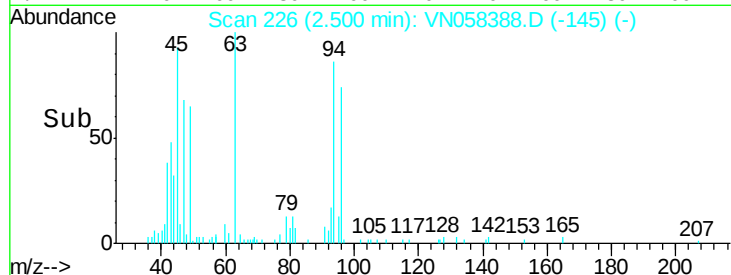
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058388.D

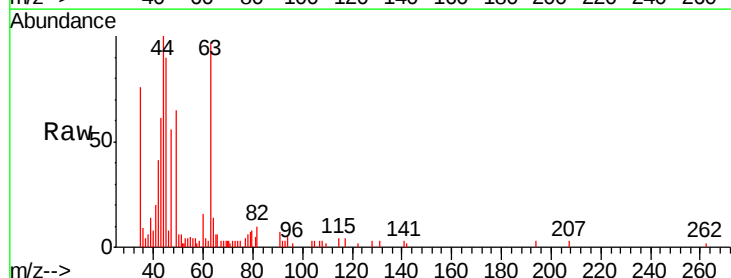
Acq: 26 Sep 2019 16:04

Tgt Ion: 64 Resp: 750

Ion Ratio Lower Upper

64 100

66 41.5 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

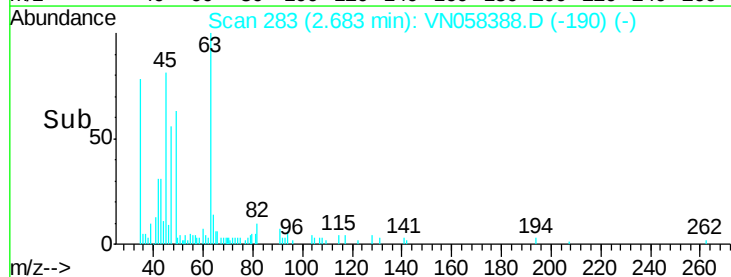
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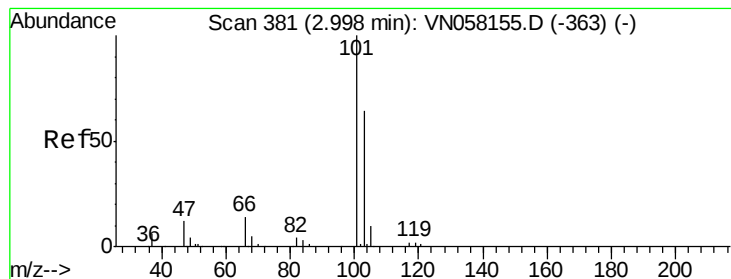
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500

0

Time-->



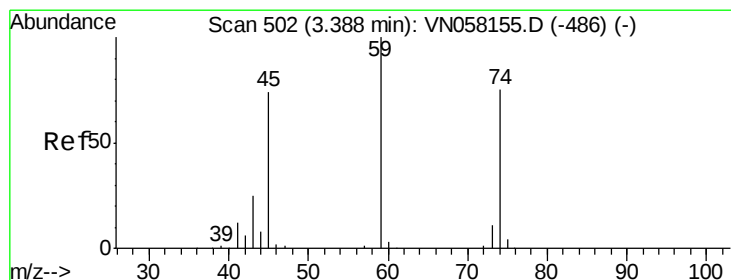
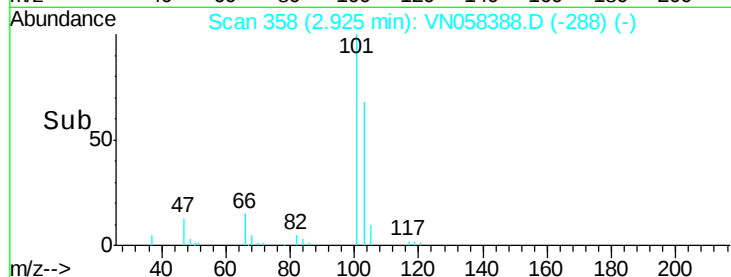
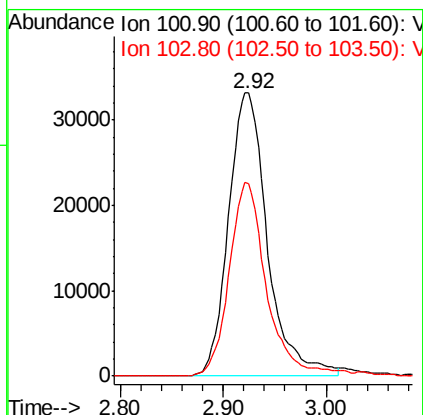
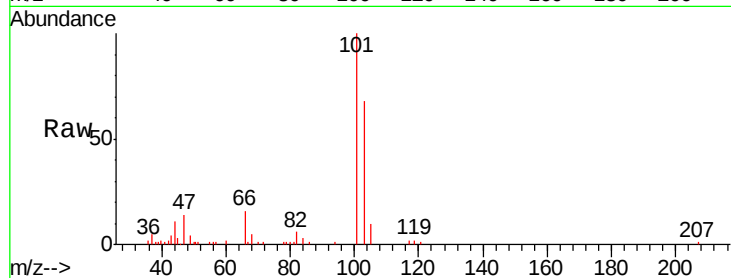


#7

Trichlorofluoromethane
 Concen: 16.754 ug/l
 RT: 2.92 min Scan# 358
 Delta R.T. -0.07 min
 Lab File: VN058388.D
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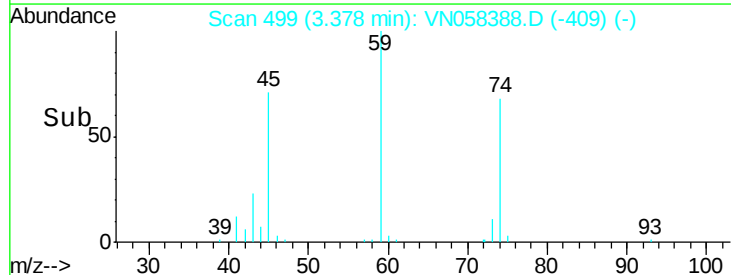
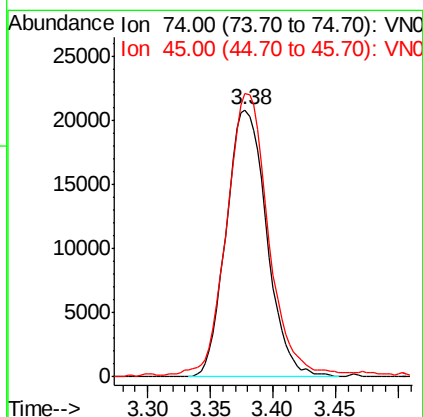
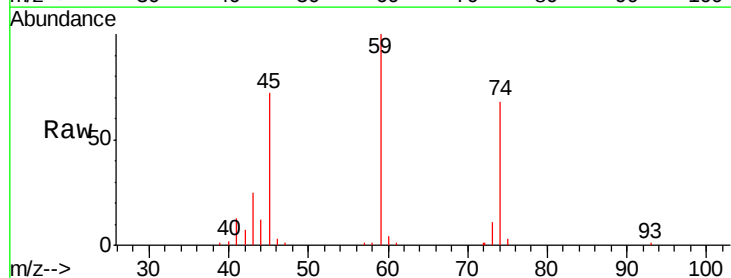
Tgt Ion:101 Resp: 87188
 Ion Ratio Lower Upper
 101 100
 103 68.0 51.0 76.6



#8

Diethyl Ether
 Concen: 19.635 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. -0.01 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Tgt Ion: 74 Resp: 46819
 Ion Ratio Lower Upper
 74 100
 45 105.8 48.5 145.5

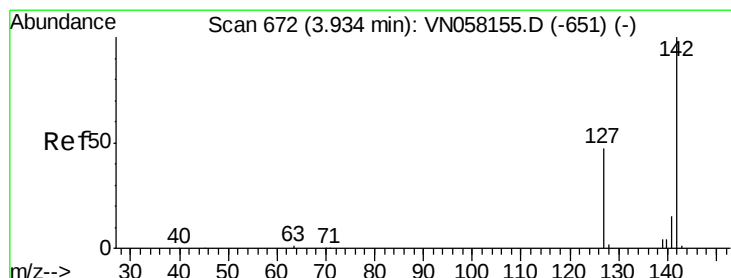
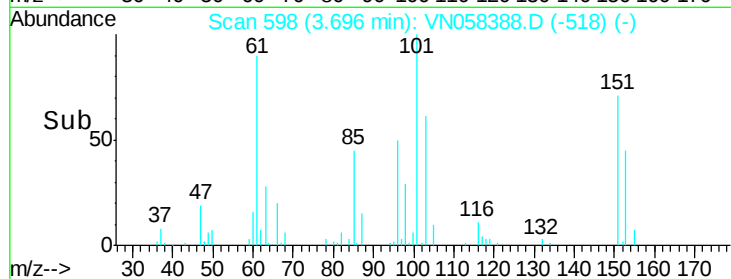
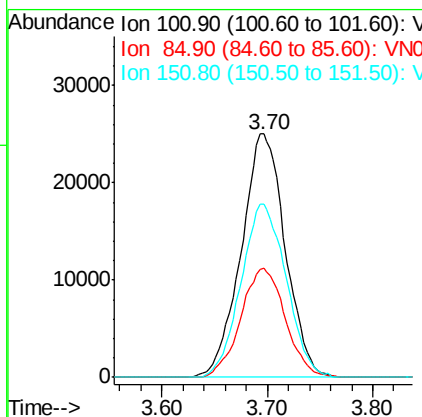
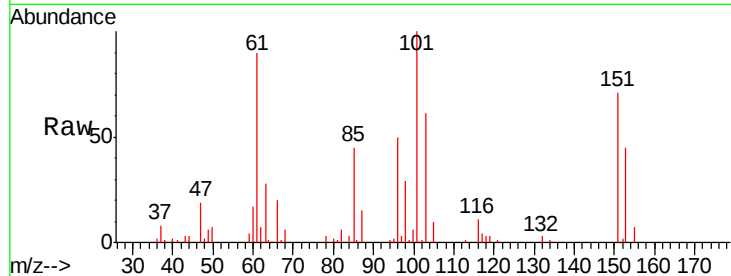




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.352 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.04 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

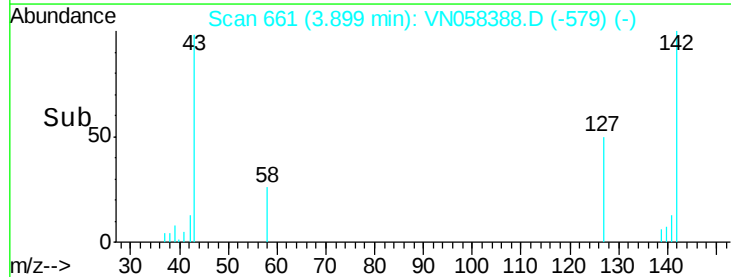
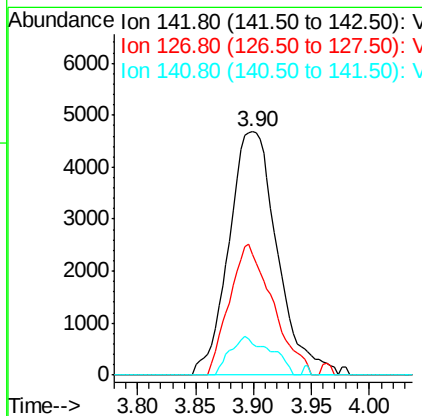
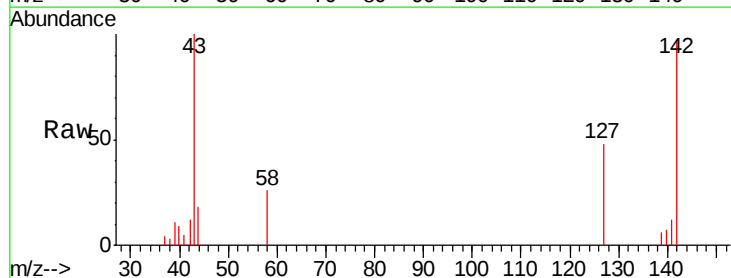
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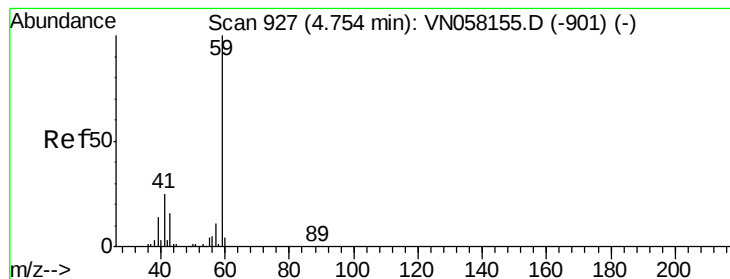
Tgt Ion:101 Resp: 72608
 Ion Ratio Lower Upper
 101 100
 85 45.3 37.3 55.9
 151 73.0 59.6 89.4



#10
 Methyl Iodide
 Concen: 4.322 ug/l
 RT: 3.90 min Scan# 661
 Delta R.T. -0.04 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Tgt Ion:142 Resp: 13587
 Ion Ratio Lower Upper
 142 100
 127 48.1 37.5 56.3
 141 13.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 13.035 ug/l

RT: 4.71 min Scan# 912

Delta R.T. -0.05 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

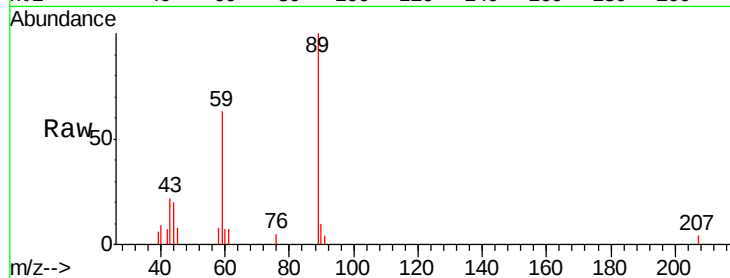
VN09216WBSD02

Tgt Ion: 59 Resp: 10023

Ion Ratio Lower Upper

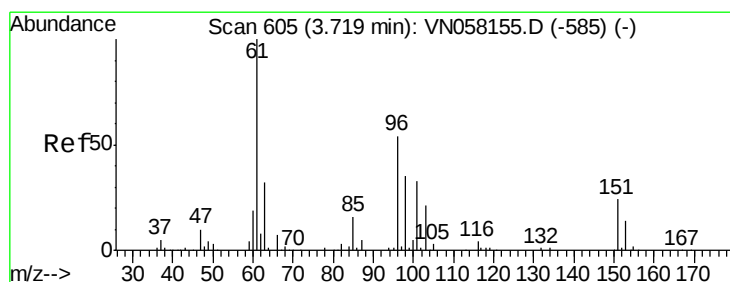
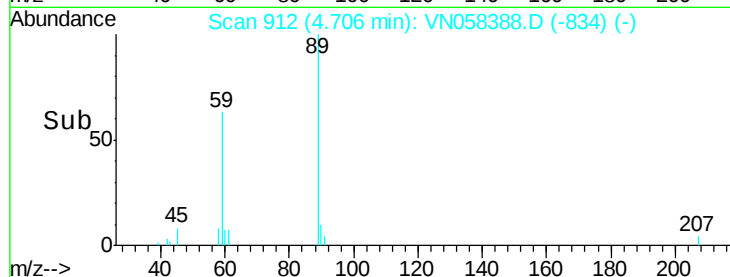
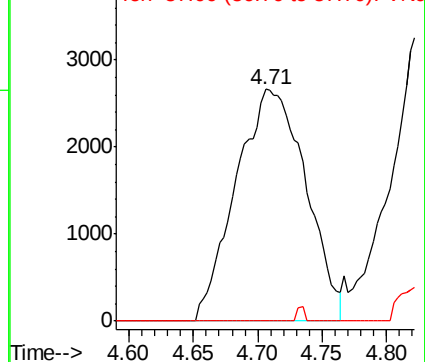
59 100

57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.594 ug/l

RT: 3.68 min Scan# 594

Delta R.T. -0.03 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

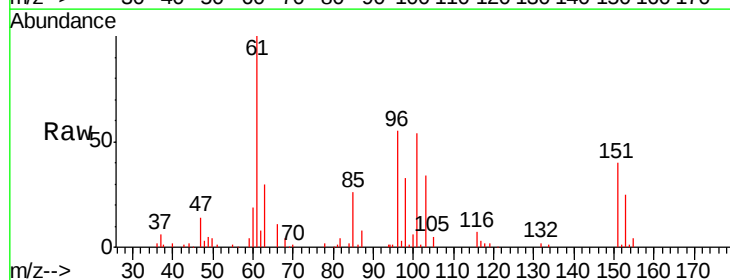
Tgt Ion: 96 Resp: 53580

Ion Ratio Lower Upper

96 100

61 179.3 149.5 224.3

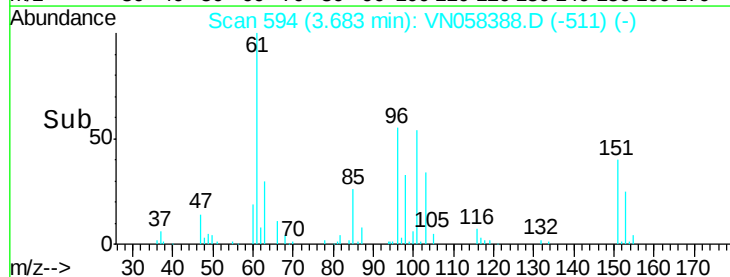
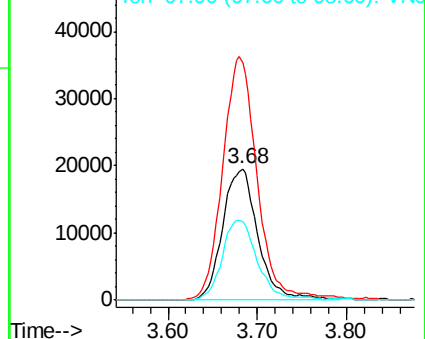
98 59.6 52.4 78.6

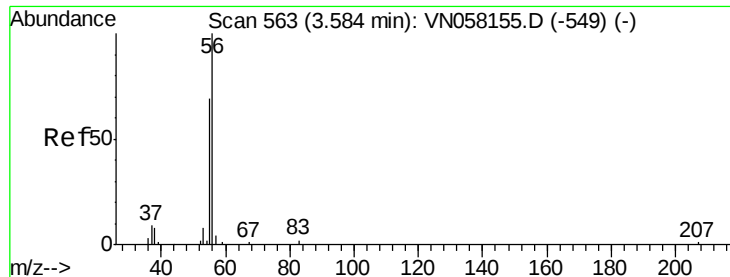


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 52.207 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

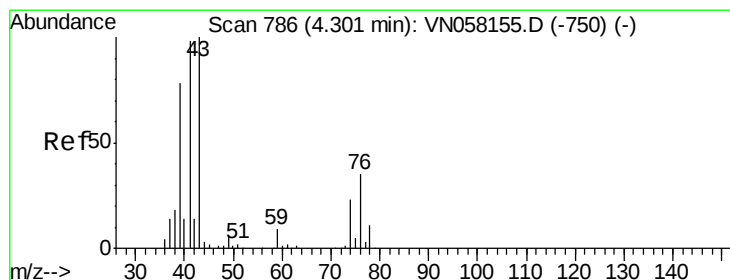
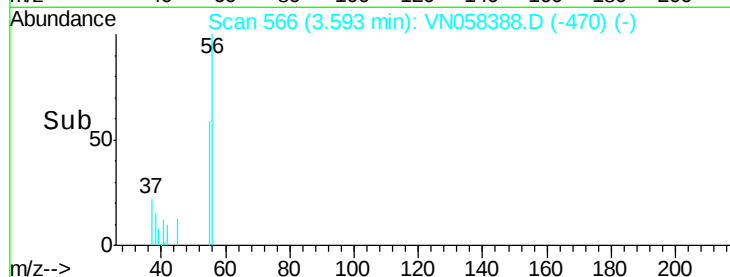
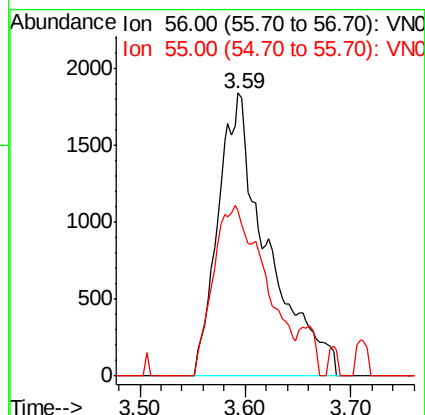
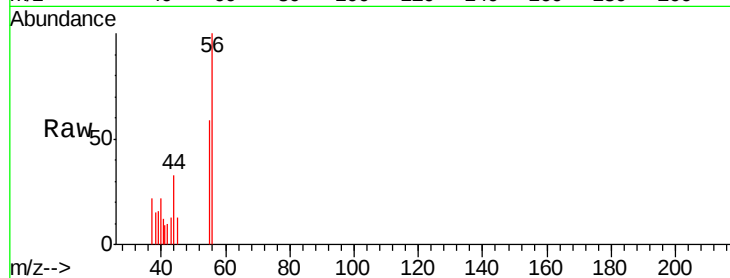
VN09216WBSD02

Tgt Ion: 56 Resp: 5949

Ion Ratio Lower Upper

56 100

55 64.0 56.1 84.1



#14

Allyl chloride

Concen: 14.620 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.02 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

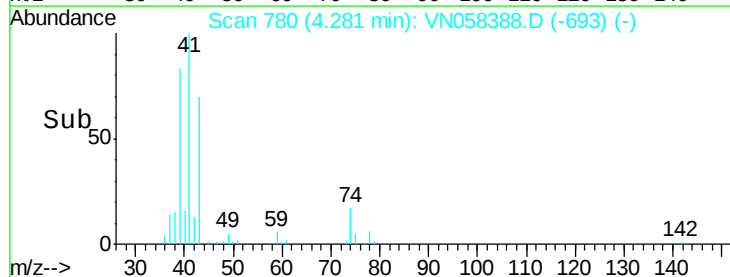
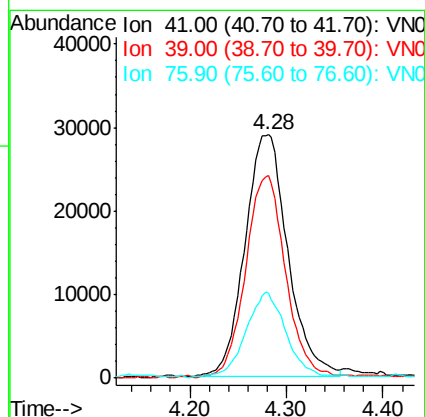
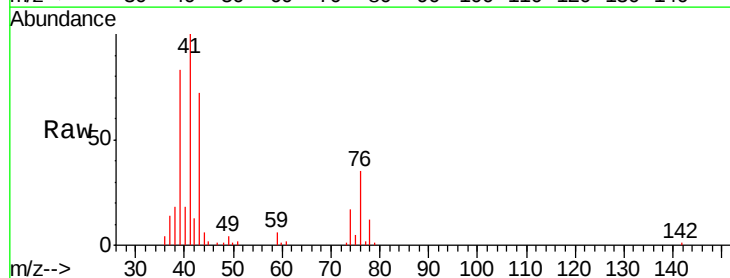
Tgt Ion: 41 Resp: 89757

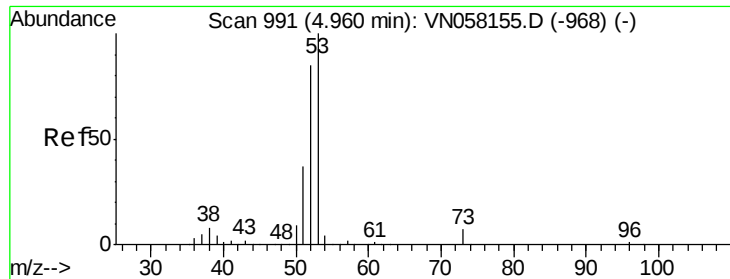
Ion Ratio Lower Upper

41 100

39 77.9 59.1 88.7

76 33.5 25.1 37.7





#15

Acrylonitrile

Concen: 103.029 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

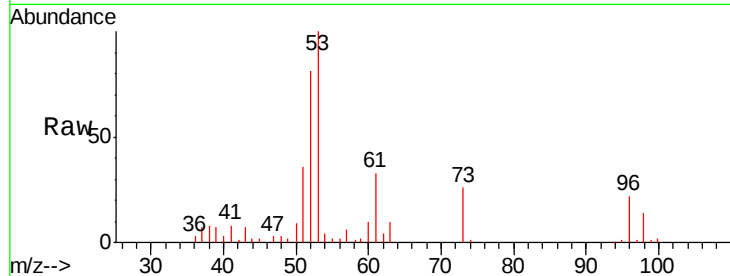
Tgt Ion: 53 Resp: 211067

Ion Ratio Lower Upper

53 100

52 83.5 66.6 100.0

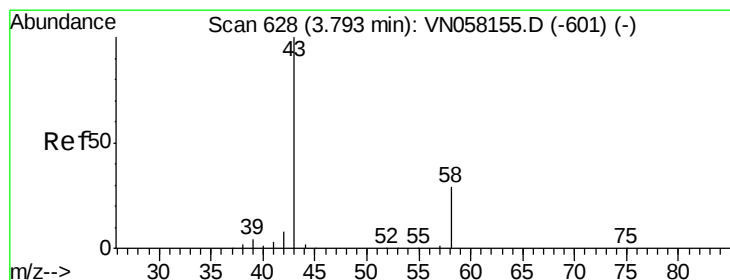
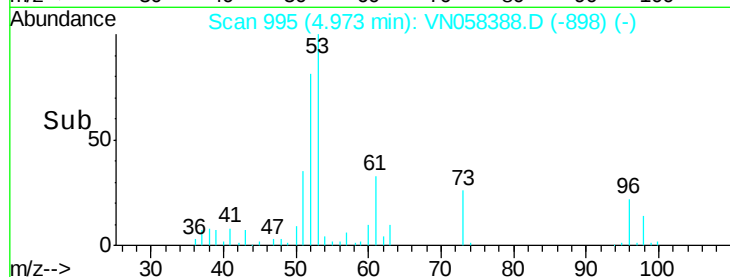
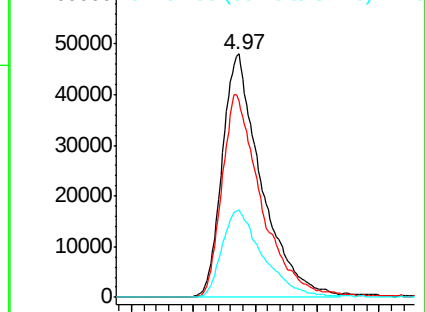
51 37.6 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 91.986 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.02 min

Lab File: VN058388.D

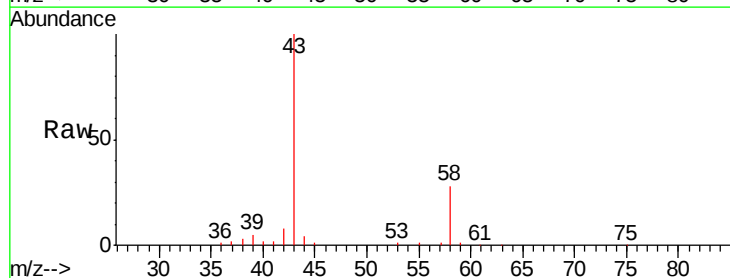
Acq: 26 Sep 2019 16:04

Tgt Ion: 43 Resp: 201834

Ion Ratio Lower Upper

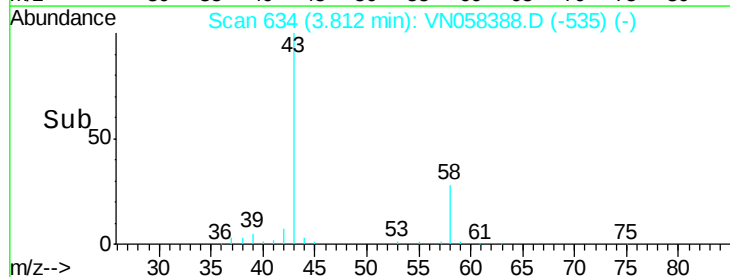
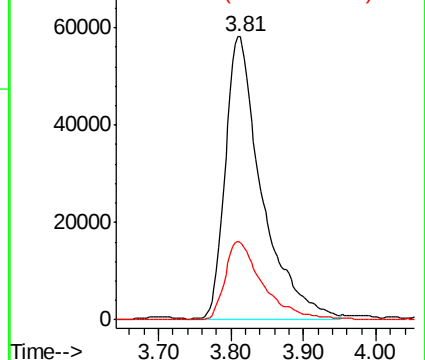
43 100

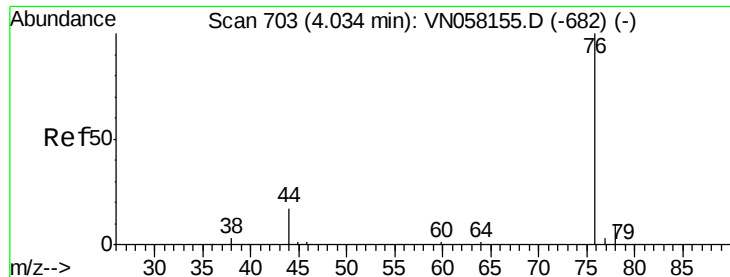
58 27.6 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

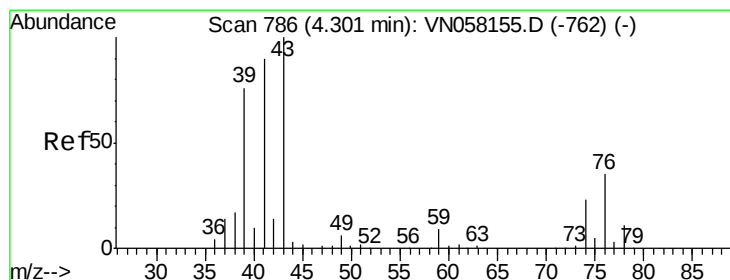
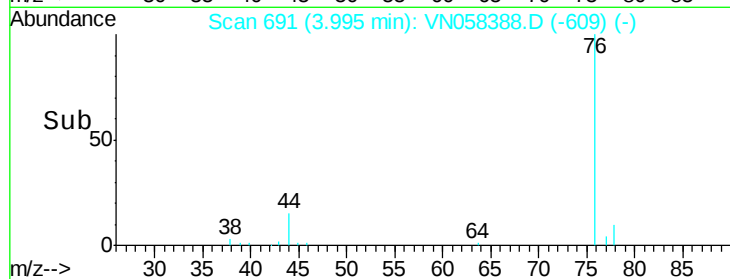
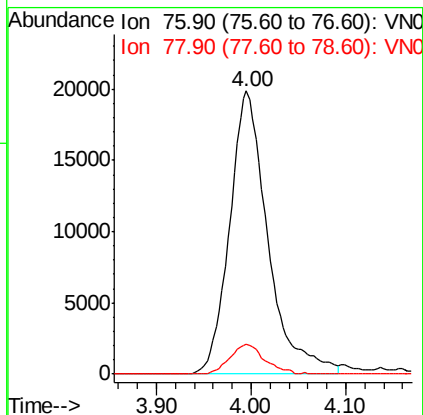
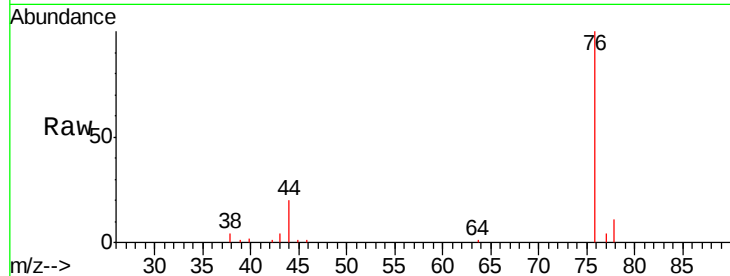




#17
Carbon Disulfide
Concen: 14.137 ug/l
RT: 4.00 min Scan# 691
Delta R.T. -0.04 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

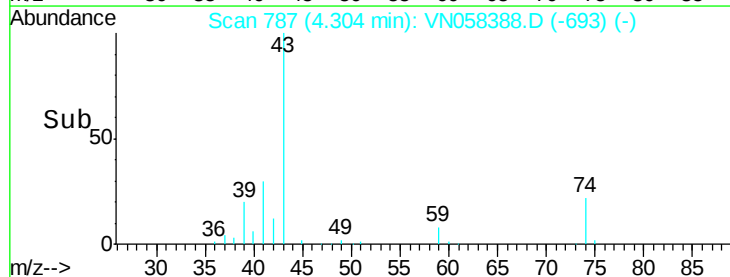
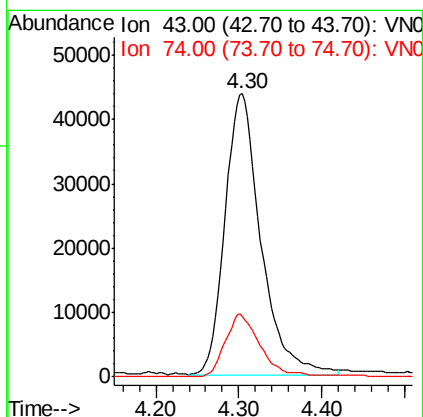
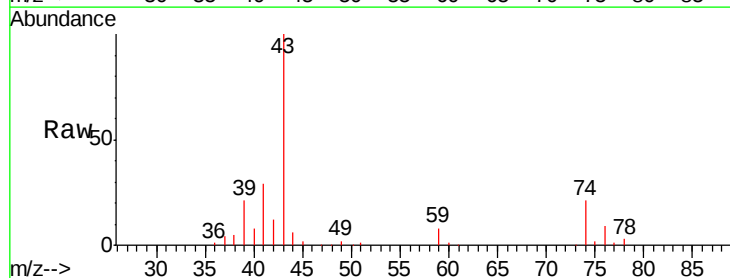
Instrument :
MSVOA_N
ClientSampleId :
VN09216WBSD02

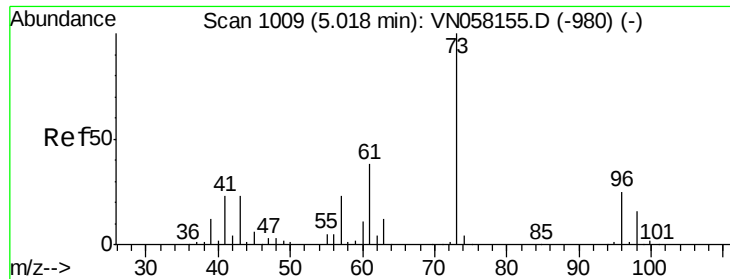
Tgt Ion: 76 Resp: 55877
Ion Ratio Lower Upper
76 100
78 10.7 7.7 11.5



#18
Methyl Acetate
Concen: 22.746 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

Tgt Ion: 43 Resp: 131325
Ion Ratio Lower Upper
43 100
74 21.1 18.0 27.0

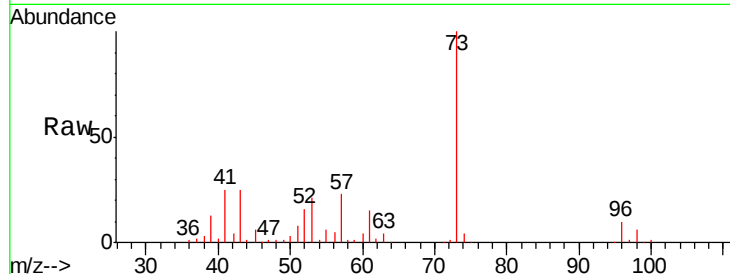




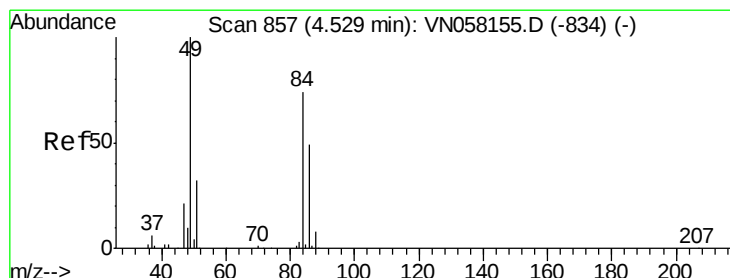
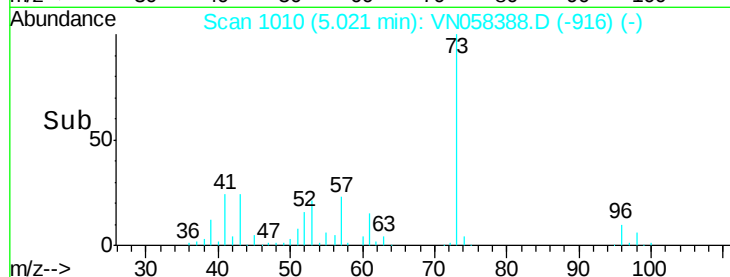
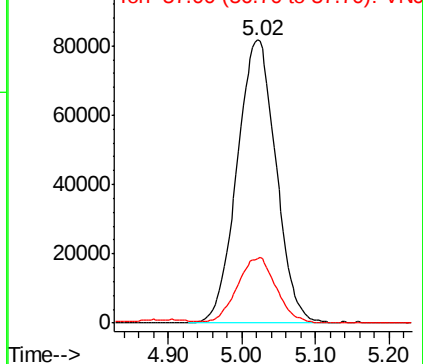
#19
Methyl tert-butyl Ether
Concen: 21.238 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN09216WBSD02

Tgt Ion: 73 Resp: 300550
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1

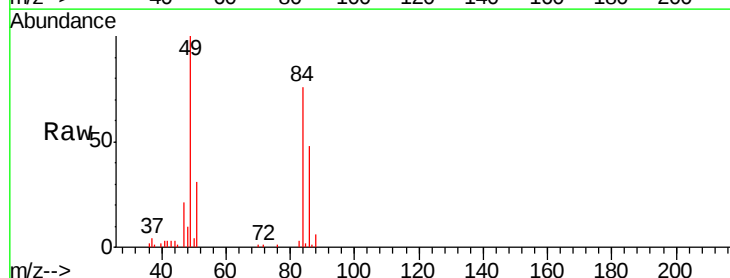


Abundance Ion 73.00 (72.70 to 73.70): VNO
Ion 57.00 (56.70 to 57.70): VNO

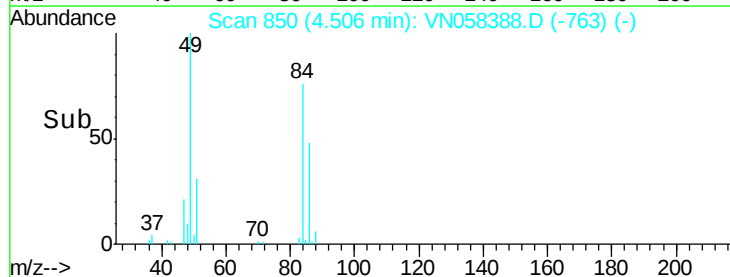
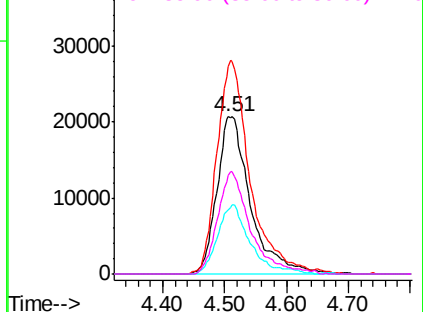


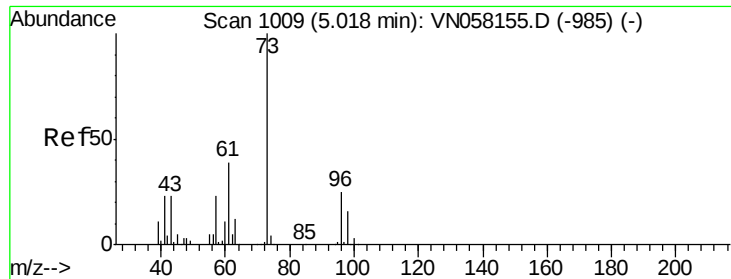
#20
Methylene Chloride
Concen: 20.148 ug/l
RT: 4.51 min Scan# 850
Delta R.T. -0.02 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

Tgt Ion: 84 Resp: 77909
Ion Ratio Lower Upper
84 100
49 132.3 107.5 161.3
51 41.0 33.9 50.9
86 63.1 52.4 78.6



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

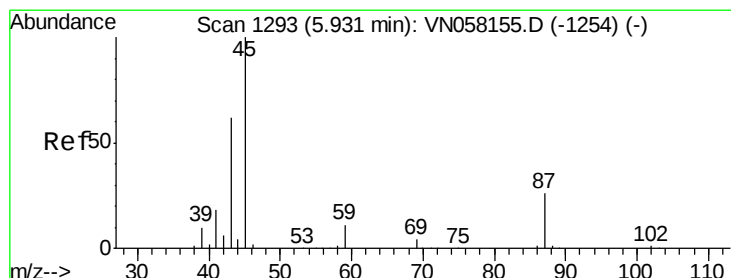
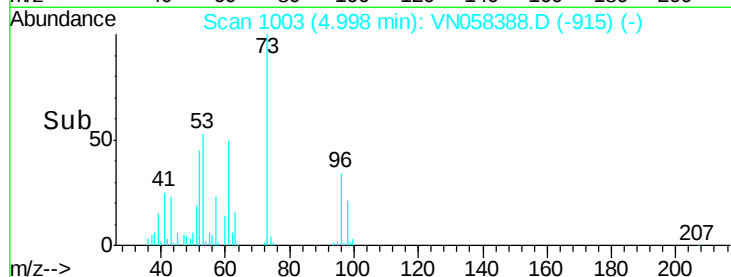
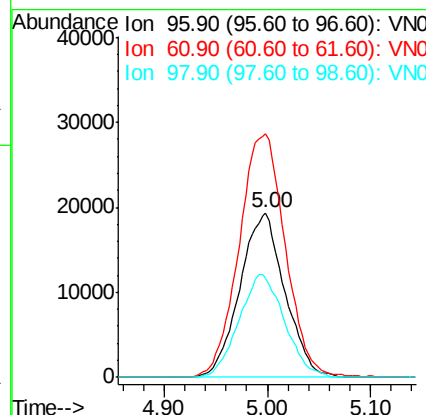
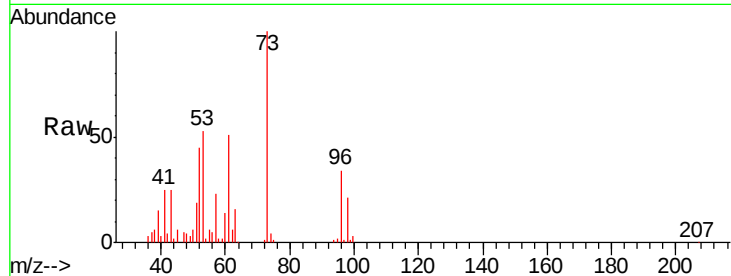




#21
trans-1,2-Dichloroethene
Concen: 18.626 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.02 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

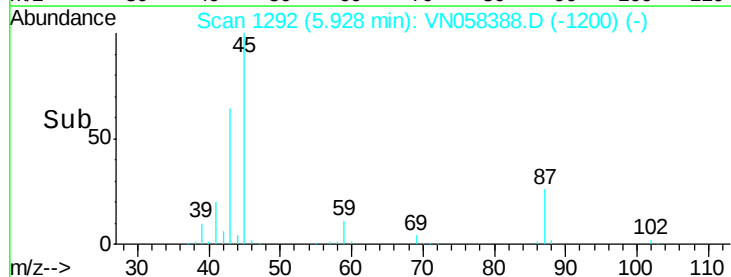
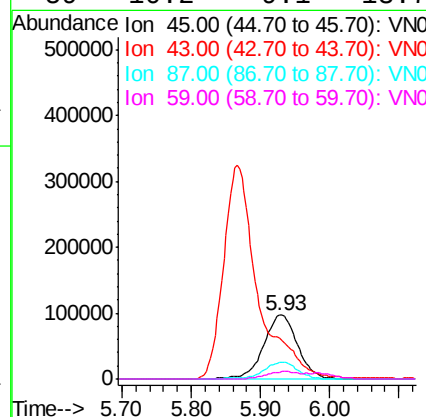
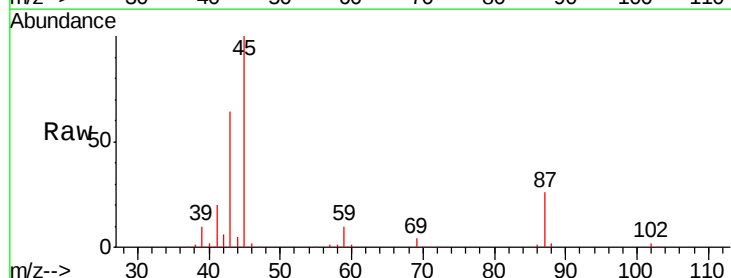
Instrument :
MSVOA_N
ClientSampleId :
VN09216WBSD02

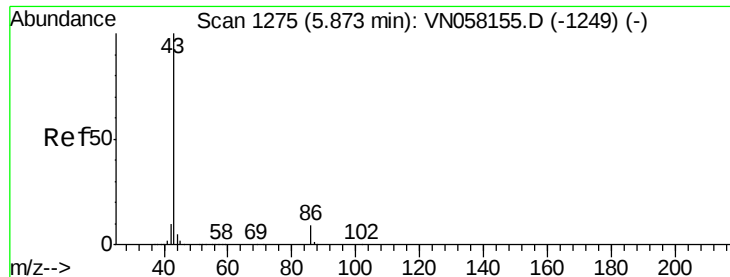
Tgt Ion: 96 Resp: 58577
Ion Ratio Lower Upper
96 100
61 147.7 122.2 183.4
98 59.8 49.9 74.9



#22
Diisopropyl ether
Concen: 21.108 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

Tgt Ion: 45 Resp: 329185
Ion Ratio Lower Upper
45 100
43 63.9 49.7 74.5
87 25.3 20.7 31.1
59 10.2 9.1 13.7

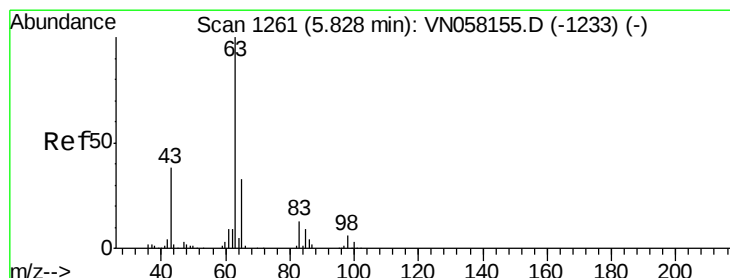
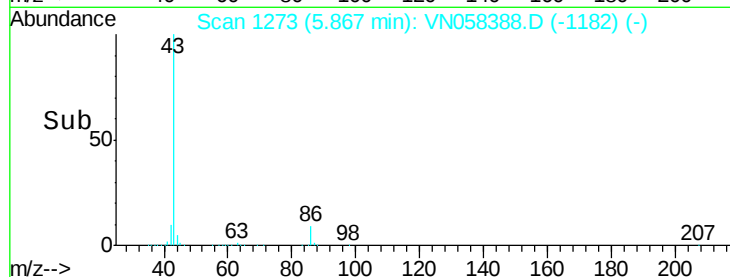
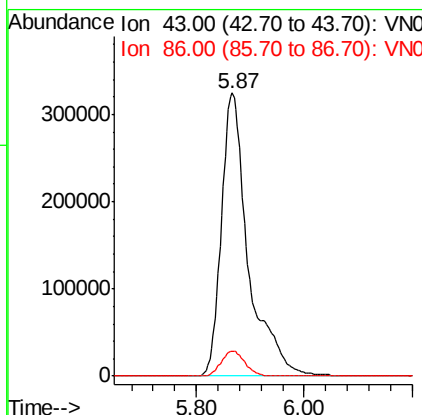
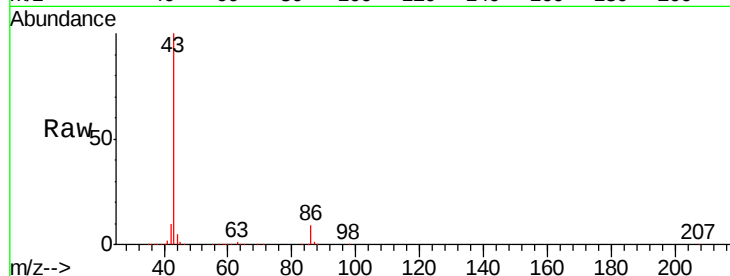




#23
 Vinyl Acetate
 Concen: 105.320 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

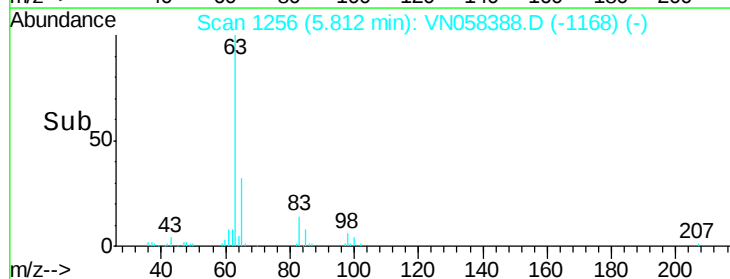
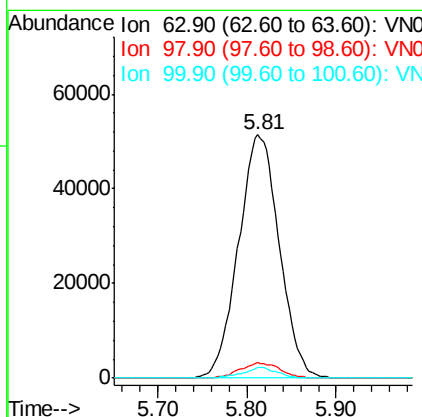
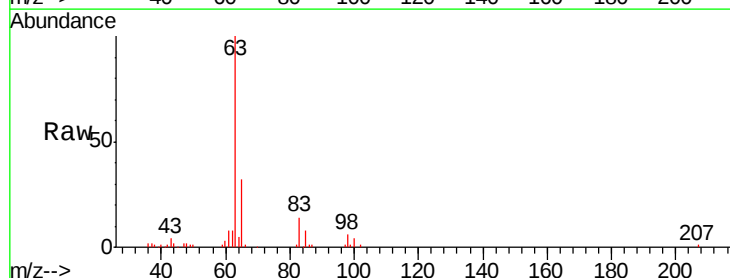
Instrument :
 MSVOA_N
 ClientSampleId :
 VN09216WBSD02

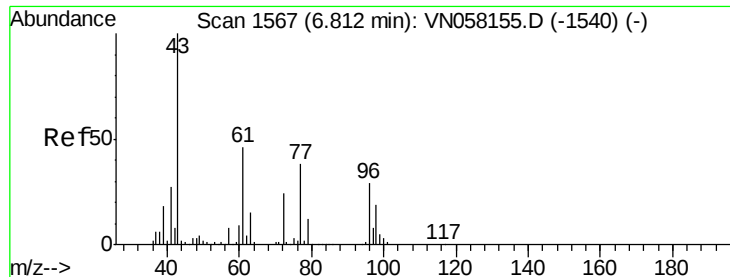
Tgt Ion: 43 Resp: 1123907
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 19.592 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Tgt Ion: 63 Resp: 163074
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.6
 100 4.2 1.8 5.3

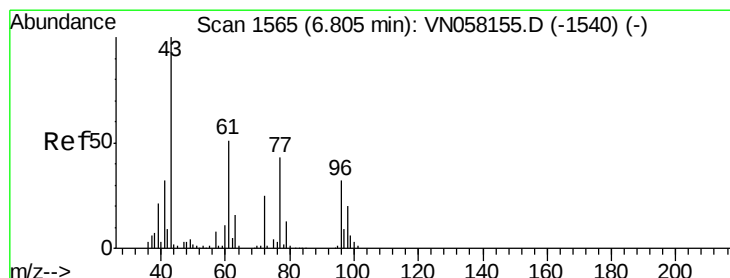
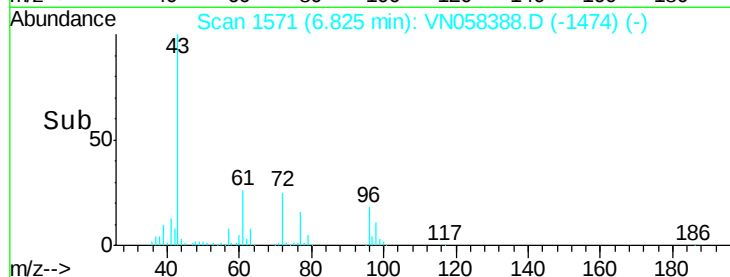
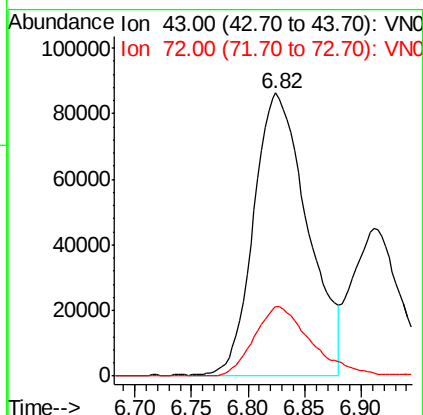
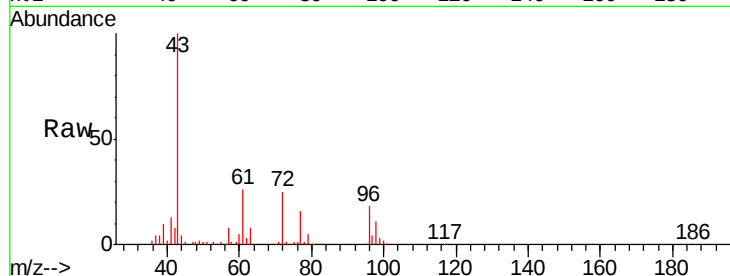




#25
2-Butanone
Concen: 94.779 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

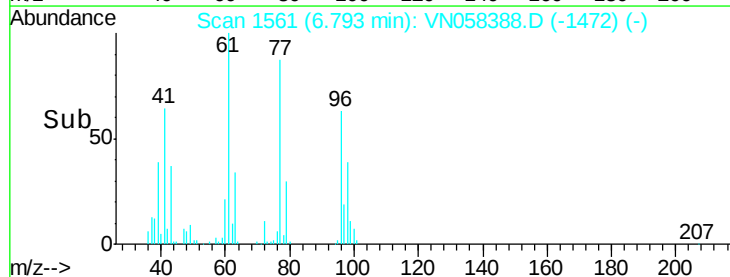
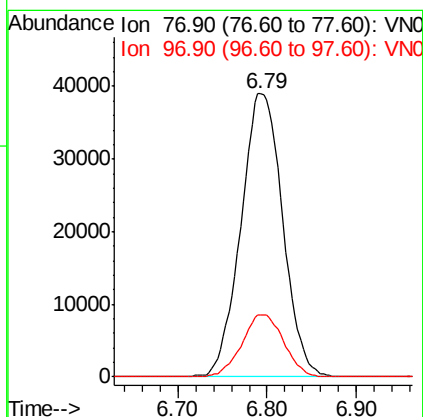
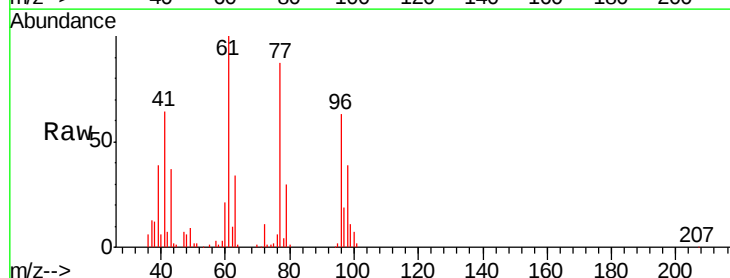
Instrument :
MSVOA_N
ClientSampleId :
VN09216WBSD02

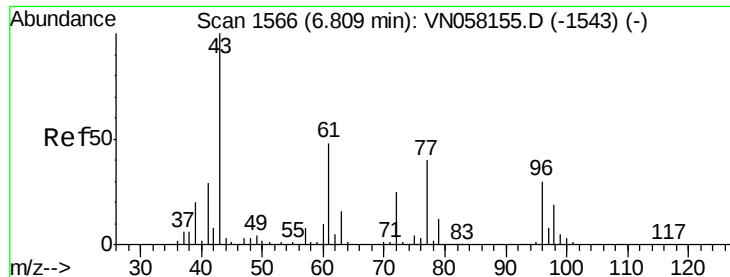
Tgt Ion: 43 Resp: 283324
Ion Ratio Lower Upper
43 100
72 24.9 19.5 29.3



#26
2,2-Dichloropropane
Concen: 17.994 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

Tgt Ion: 77 Resp: 127061
Ion Ratio Lower Upper
77 100
97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.093 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

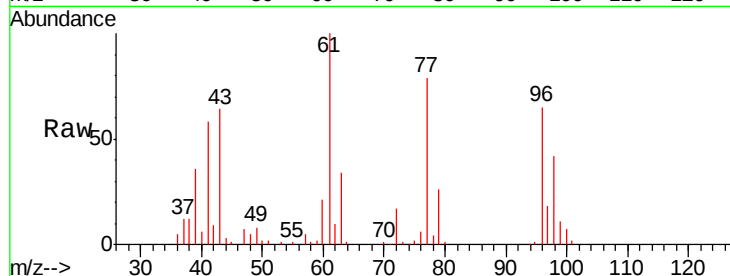
Tgt Ion: 96 Resp: 89860

Ion Ratio Lower Upper

96 100

61 159.7 0.0 319.0

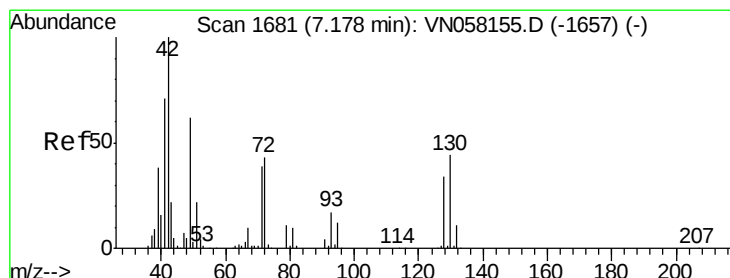
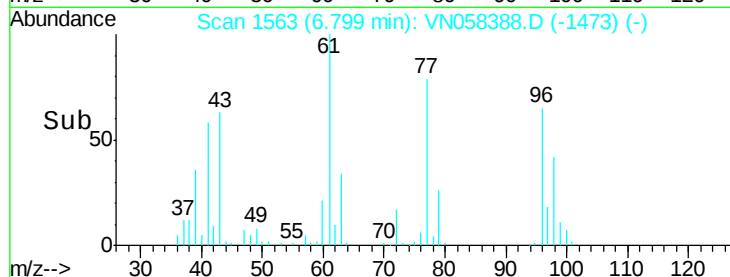
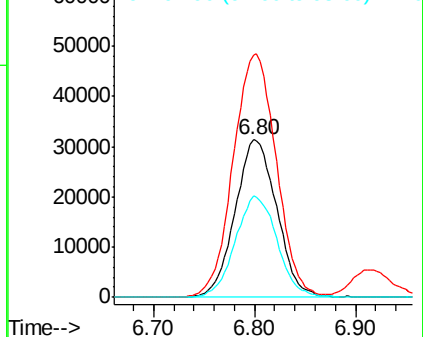
98 64.6 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.299 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

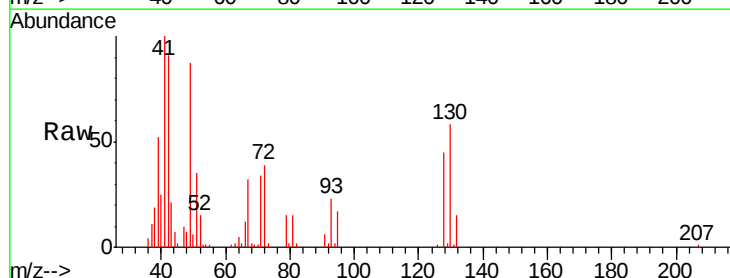
Tgt Ion: 49 Resp: 75992

Ion Ratio Lower Upper

49 100

129 0.7 0.0 1.8

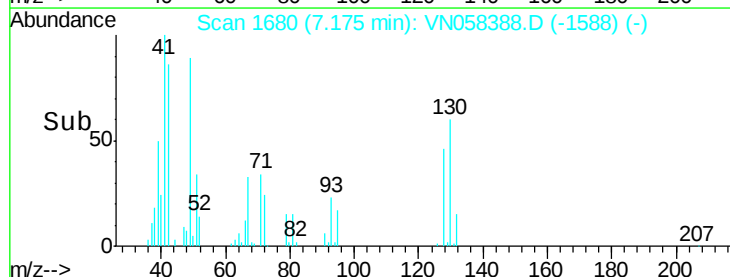
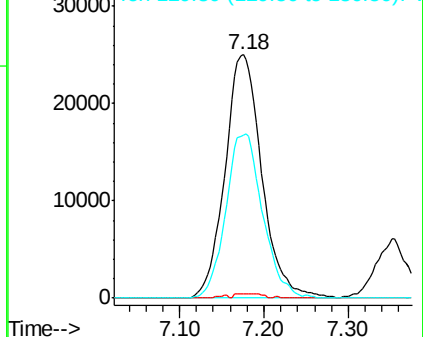
130 67.3 55.4 83.2

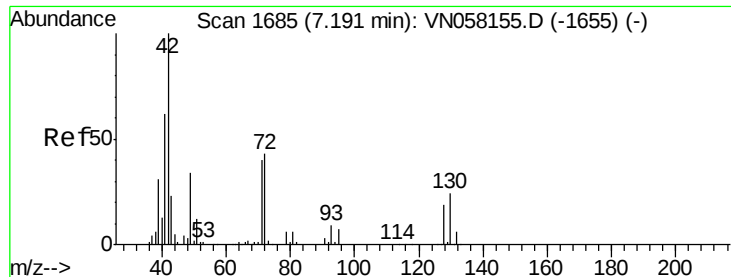


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.485 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

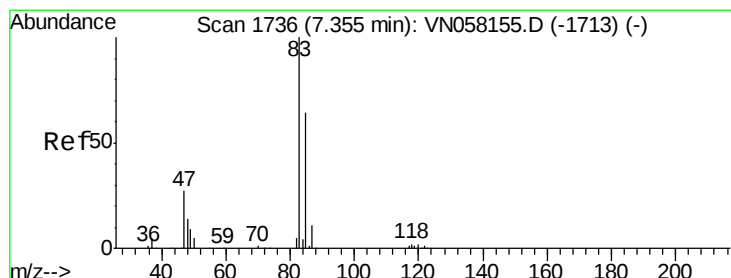
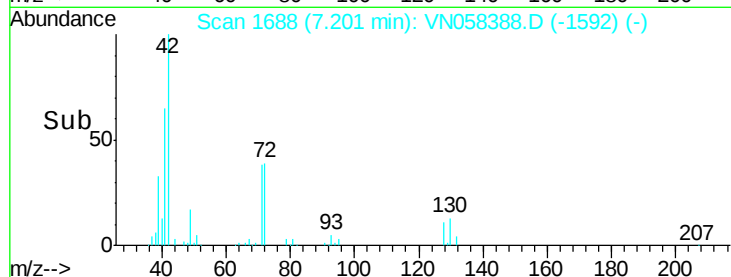
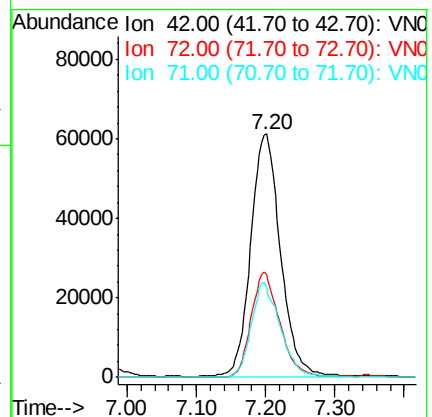
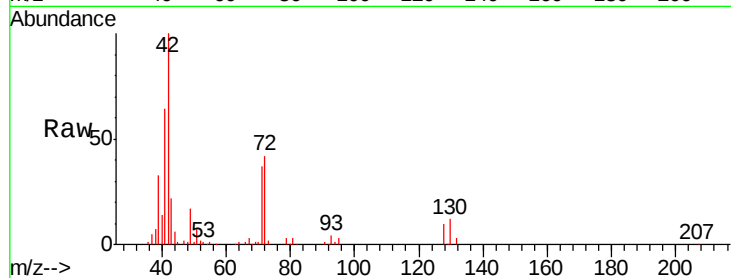
Tgt Ion: 42 Resp: 181343

Ion Ratio Lower Upper

42 100

72 41.5 33.8 50.6

71 38.4 31.4 47.0



#30

Chloroform

Concen: 19.107 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058388.D

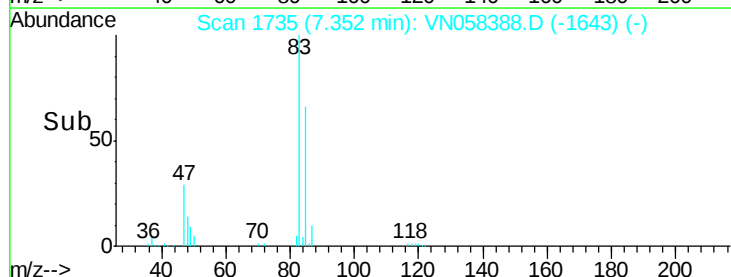
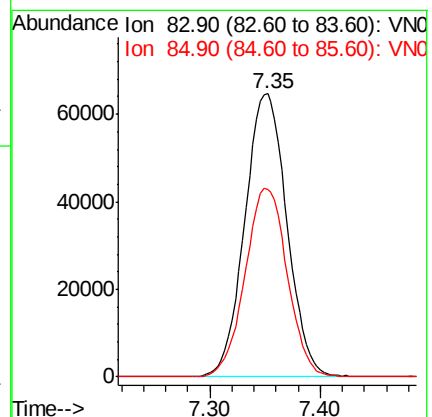
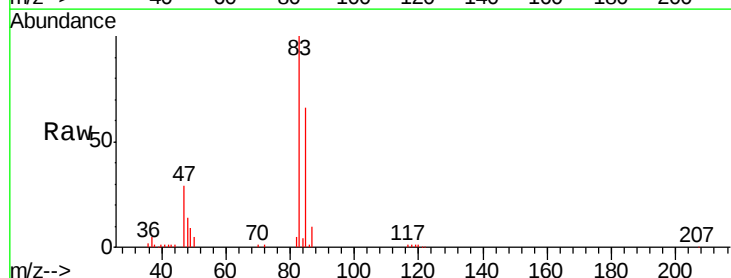
Acq: 26 Sep 2019 16:04

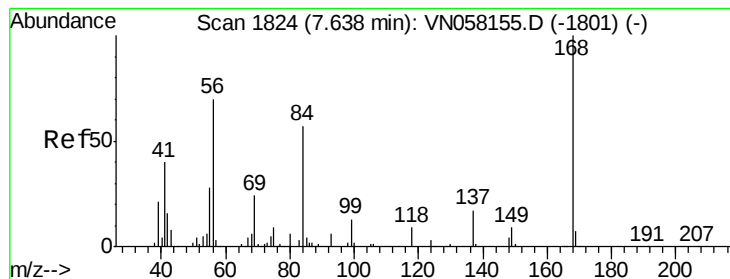
Tgt Ion: 83 Resp: 171193

Ion Ratio Lower Upper

83 100

85 66.3 51.4 77.2





#31

Cyclohexane

Concen: 18.231 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

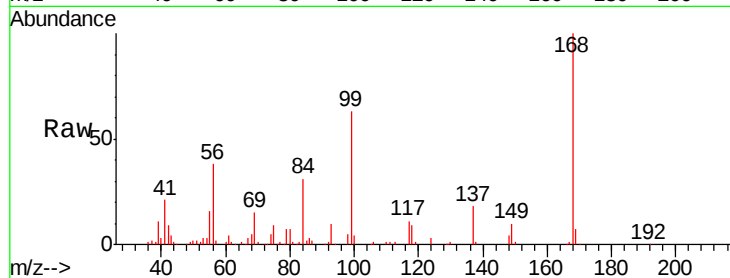
Tgt Ion: 56 Resp: 106345

Ion Ratio Lower Upper

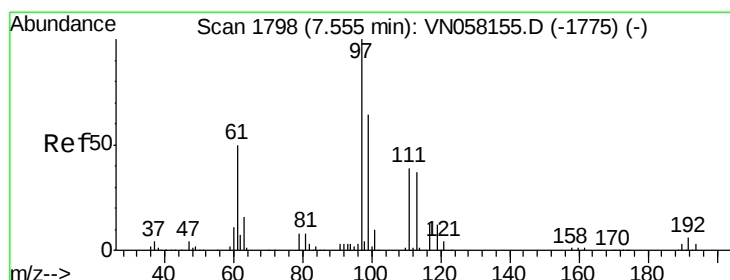
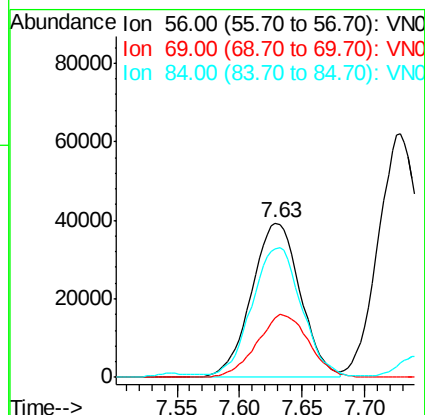
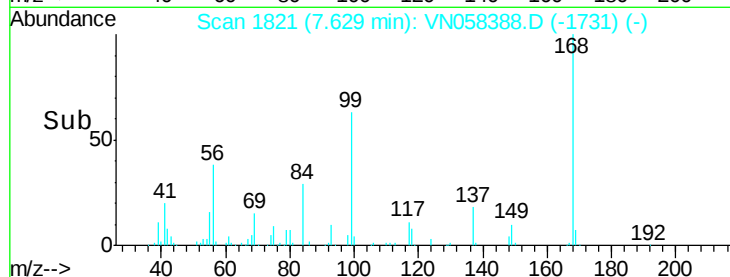
56 100

69 38.8 27.3 40.9

84 81.2 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 18.837 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

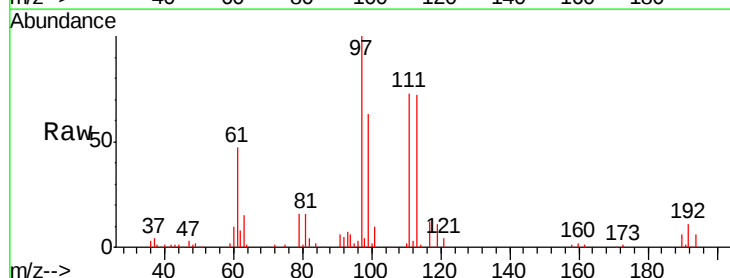
Tgt Ion: 97 Resp: 128480

Ion Ratio Lower Upper

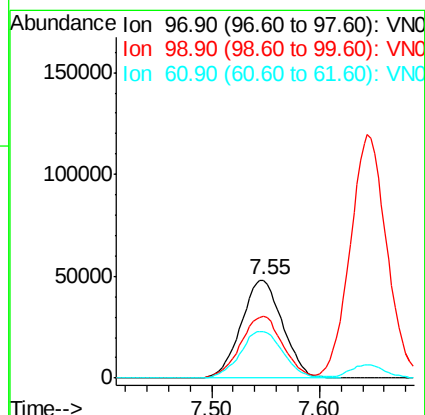
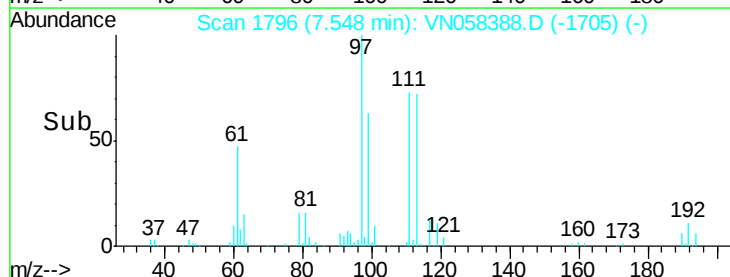
97 100

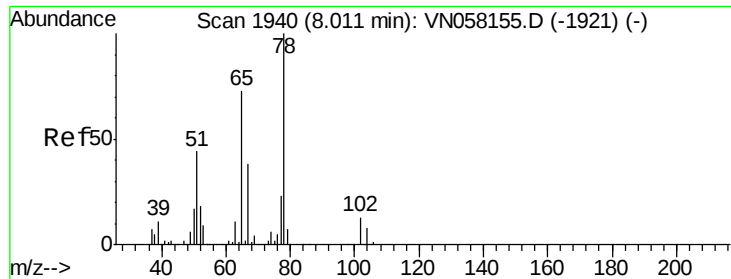
99 64.0 50.9 76.3

61 48.8 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 50.993 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

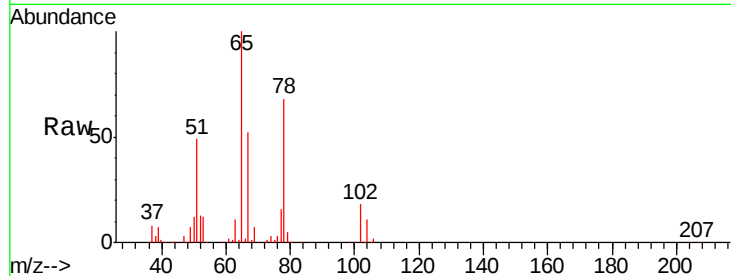
VN09216WBSD02

Tgt Ion: 65 Resp: 329625

Ion Ratio Lower Upper

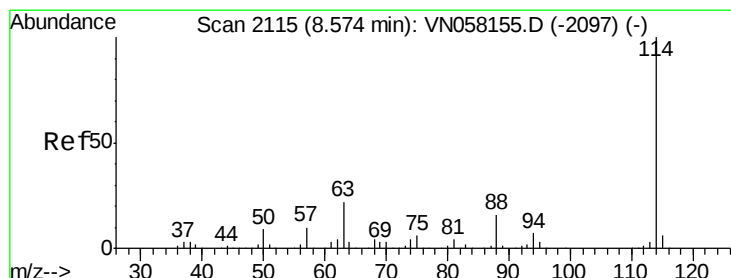
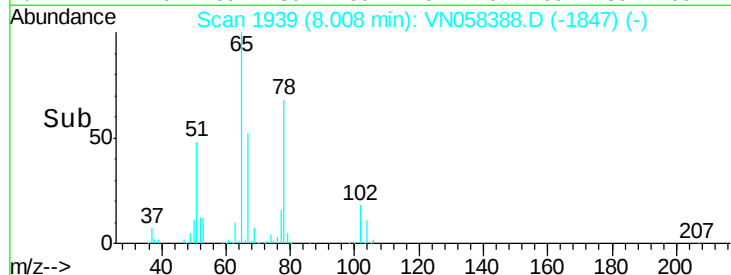
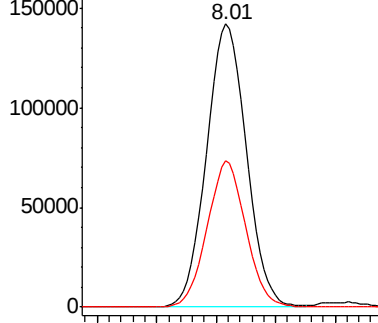
65 100

67 49.9 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

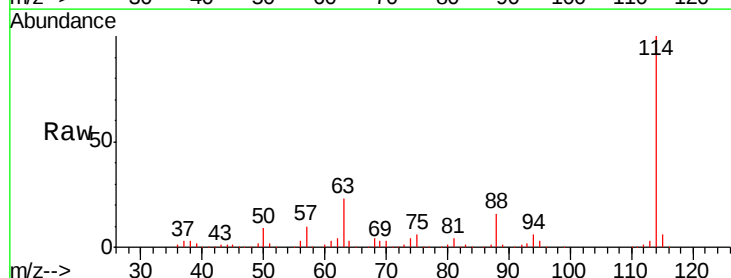
Tgt Ion: 114 Resp: 791209

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.2

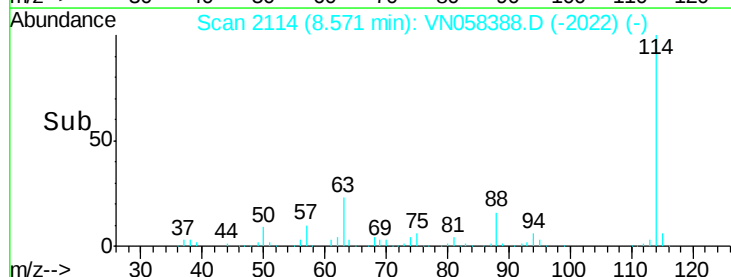
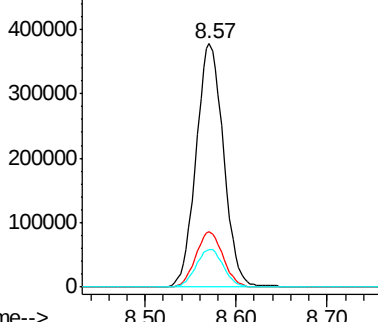
88 15.6 0.0 31.6

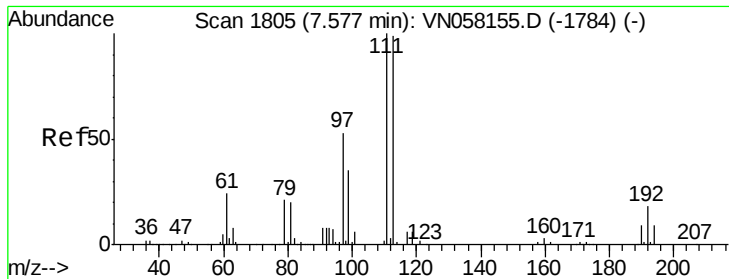


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

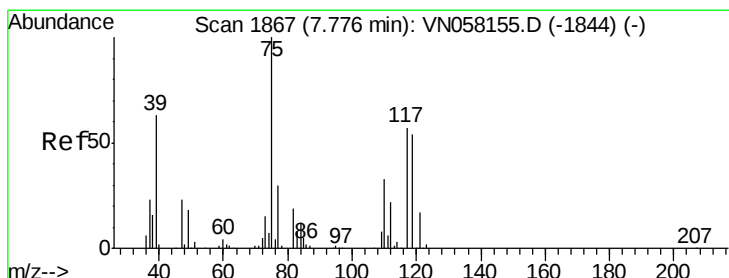
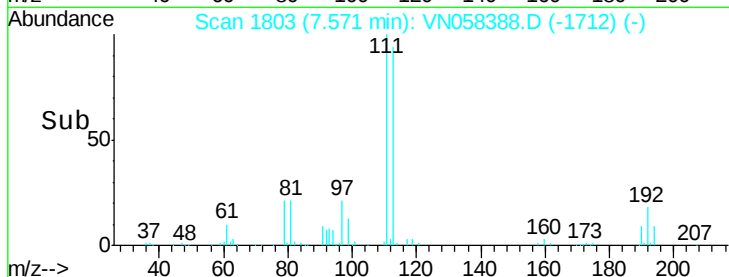
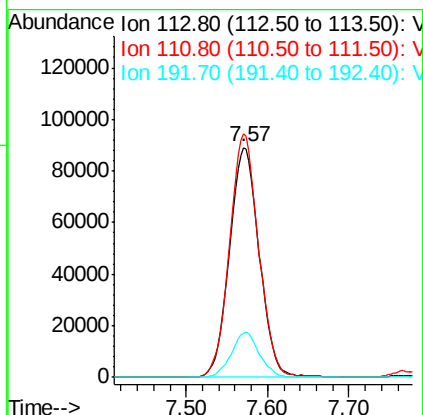
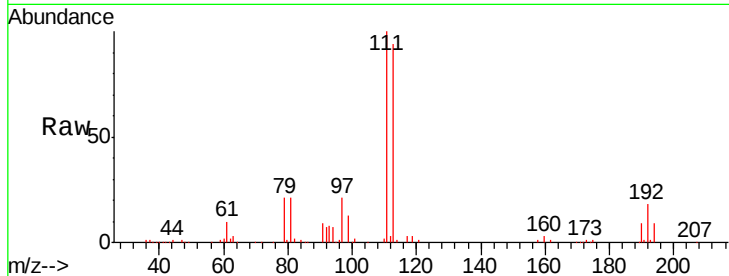




#35
 Dibromofluoromethane
 Concen: 47.220 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

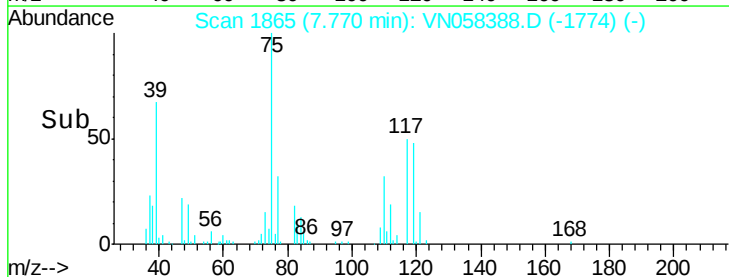
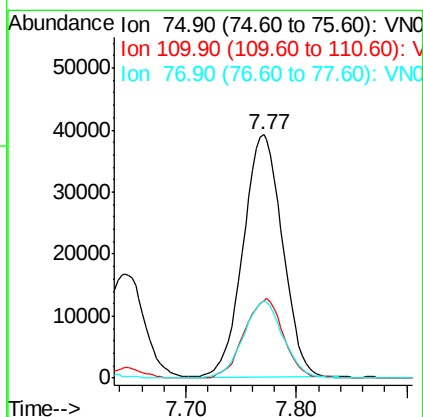
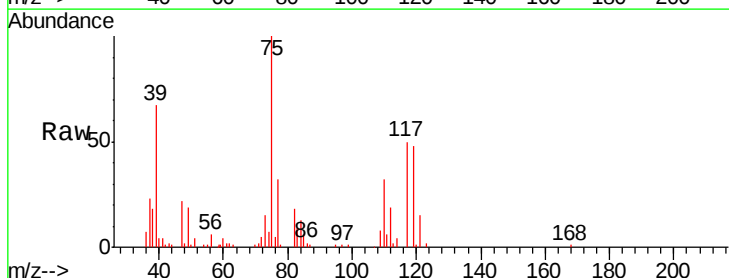
Instrument :
 MSVOA_N
 ClientSampleId :
 VN09216WBSD02

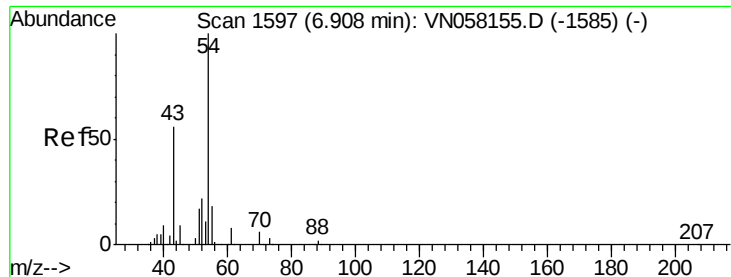
Tgt Ion: 113 Resp: 227123
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.8 122.6
 192 18.6 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 16.930 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Tgt Ion: 75 Resp: 96599
 Ion Ratio Lower Upper
 75 100
 110 32.7 16.6 49.7
 77 32.2 24.3 36.5

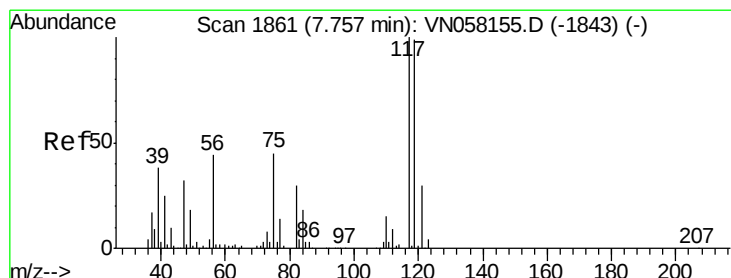
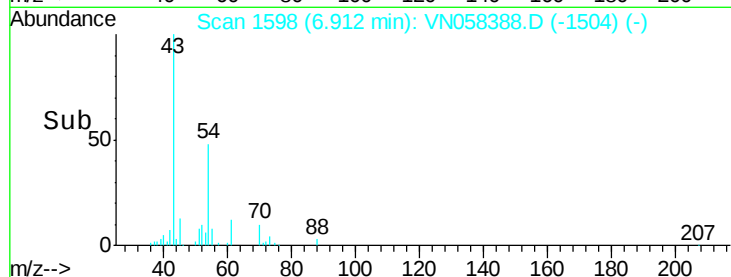
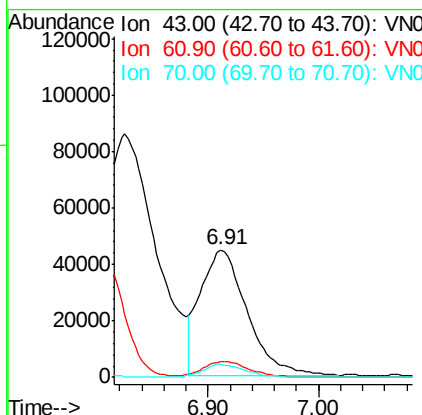
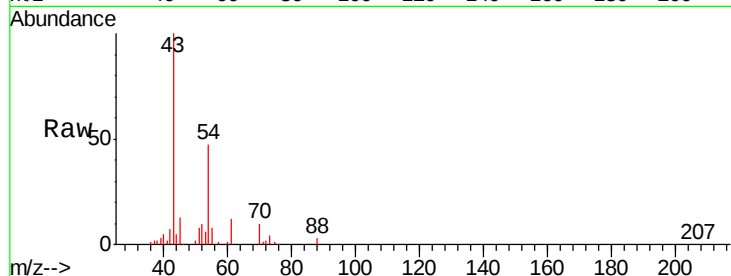




#37
 Ethyl Acetate
 Concen: 22.156 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

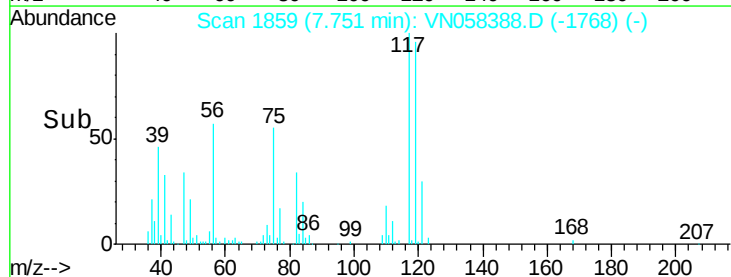
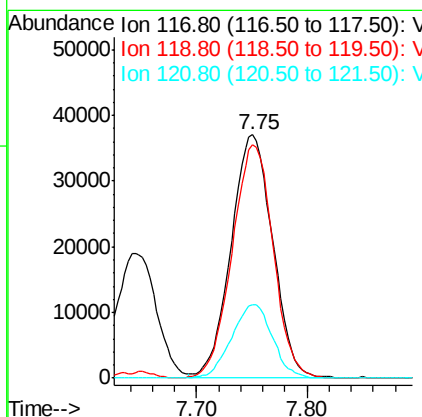
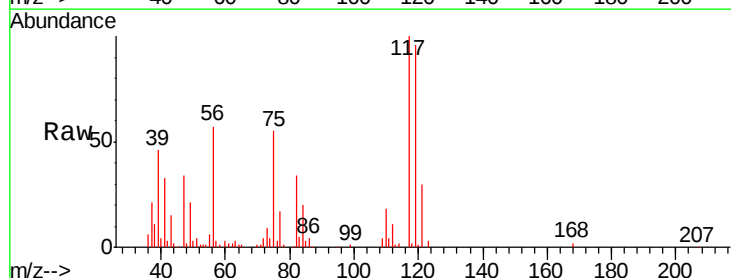
Instrument :
 MSVOA_N
 ClientSampleId :
 VN09216WBSD02

Tgt Ion: 43 Resp: 131196
 Ion Ratio Lower Upper
 43 100
 61 12.5 10.7 16.1
 70 9.5 7.6 11.4



#38
 Carbon Tetrachloride
 Concen: 16.896 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Tgt Ion: 117 Resp: 96908
 Ion Ratio Lower Upper
 117 100
 119 96.1 78.6 117.8
 121 30.4 24.1 36.1

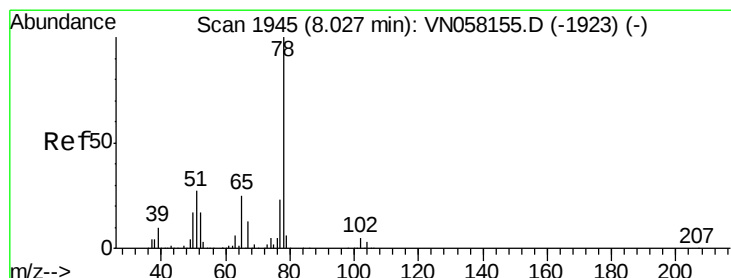
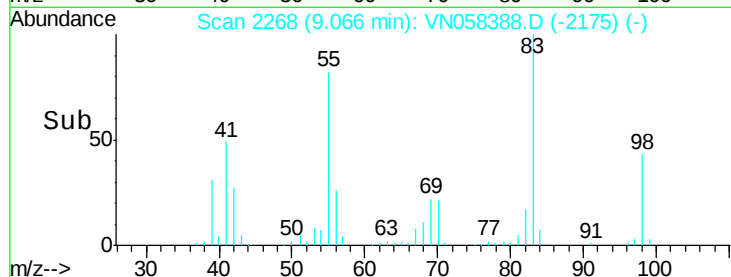
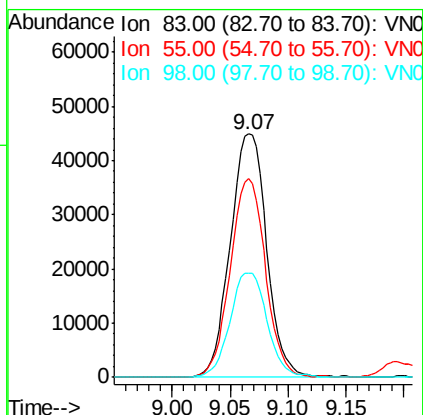
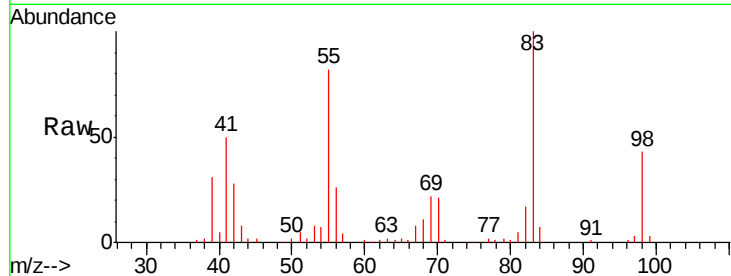




#39
Methylcyclohexane
Concen: 17.801 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

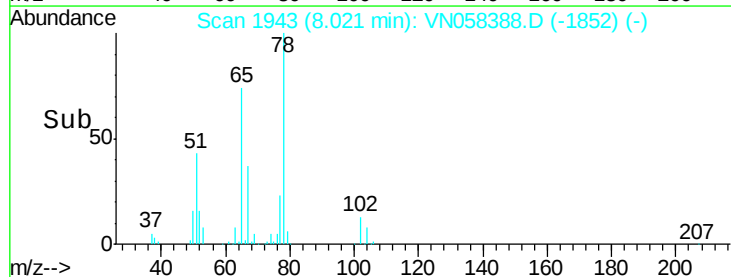
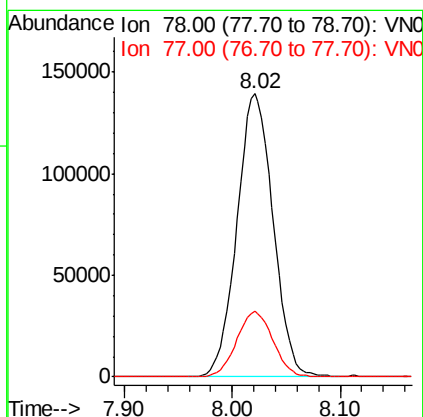
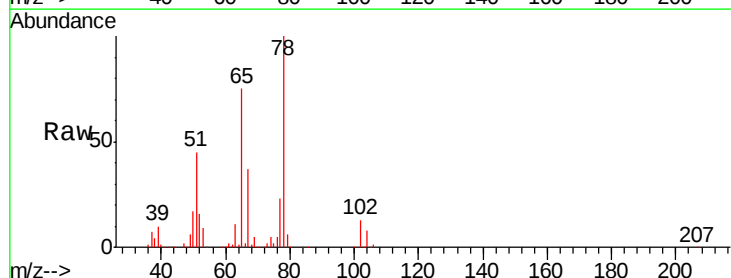
Instrument :
MSVOA_N
ClientSampleId :
VN09216WBSD02

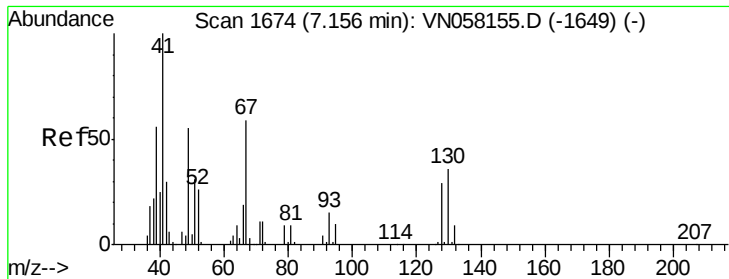
Tgt Ion: 83 Resp: 97951
Ion Ratio Lower Upper
83 100
55 81.6 61.9 92.9
98 42.9 35.4 53.2



#40
Benzene
Concen: 18.644 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.01 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

Tgt Ion: 78 Resp: 324913
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2





#41

Methacrylonitrile

Concen: 17.704 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

Tgt Ion: 41 Resp: 51025

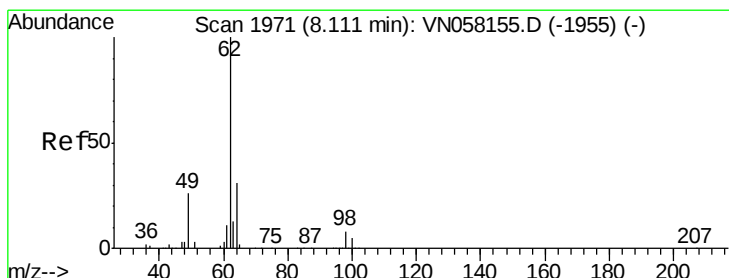
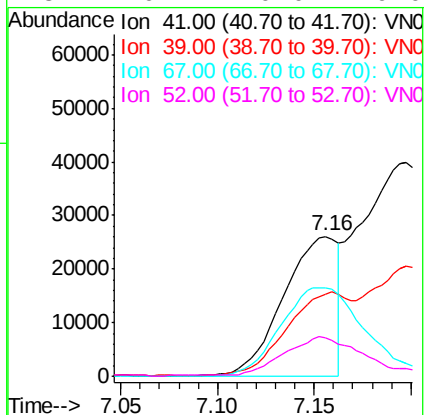
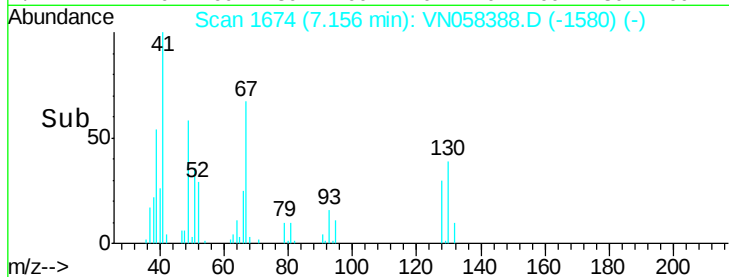
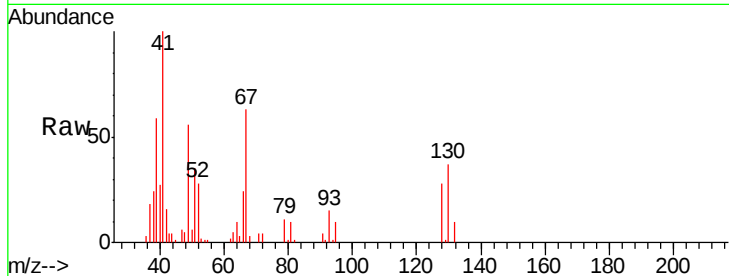
Ion Ratio Lower Upper

41 100

39 68.5 0.0 0.0#

67 101.0 0.0 0.0#

52 40.4 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 19.347 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN058388.D

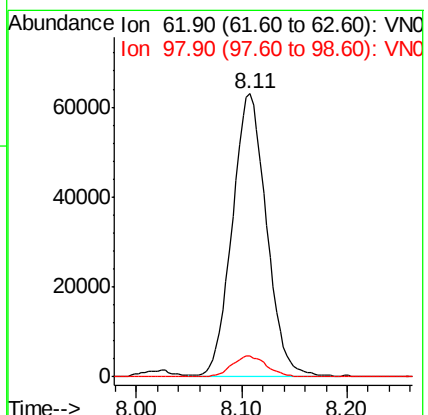
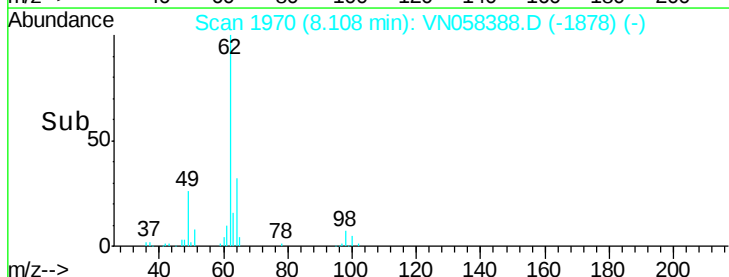
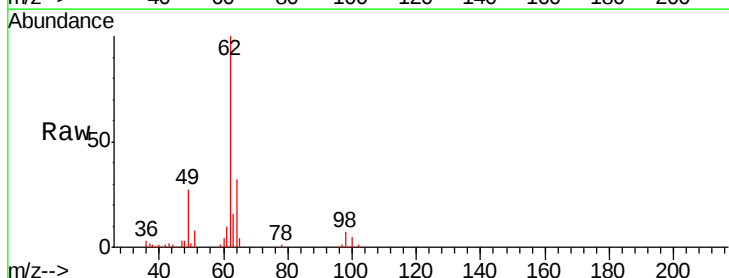
Acq: 26 Sep 2019 16:04

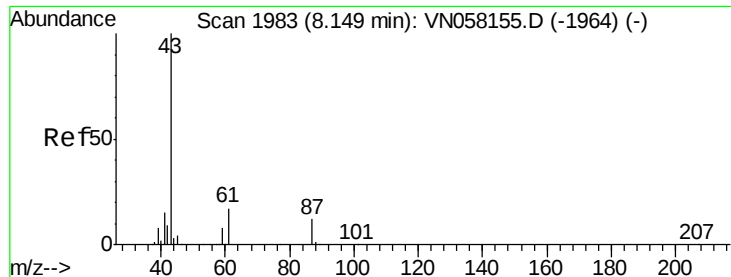
Tgt Ion: 62 Resp: 141476

Ion Ratio Lower Upper

62 100

98 7.5 0.0 15.6





#43

Isopropyl Acetate

Concen: 23.932 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

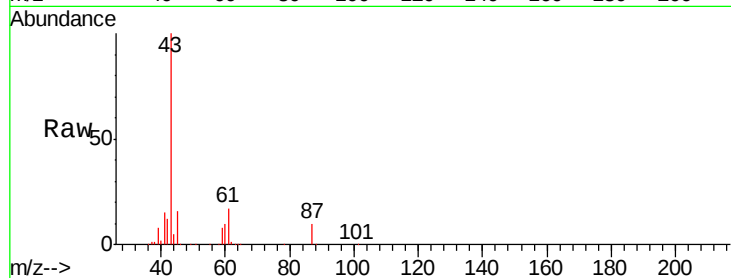
Tgt Ion: 43 Resp: 264658

Ion Ratio Lower Upper

43 100

61 15.2 19.7 29.5#

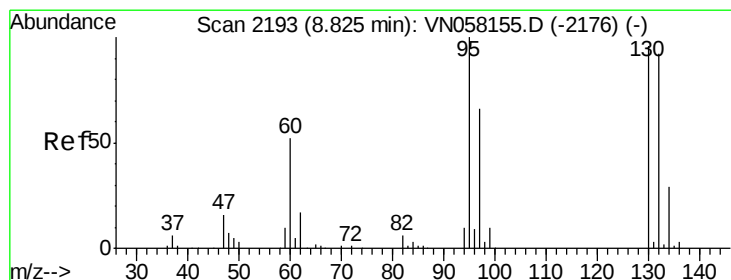
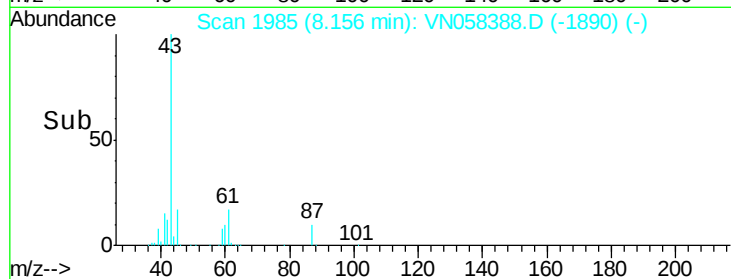
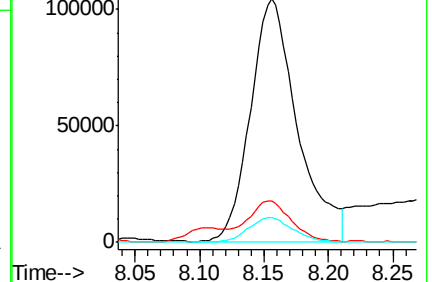
87 9.8 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058388.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058388.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058388.D (-1890) (-)



#44

Trichloroethene

Concen: 17.983 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058388.D

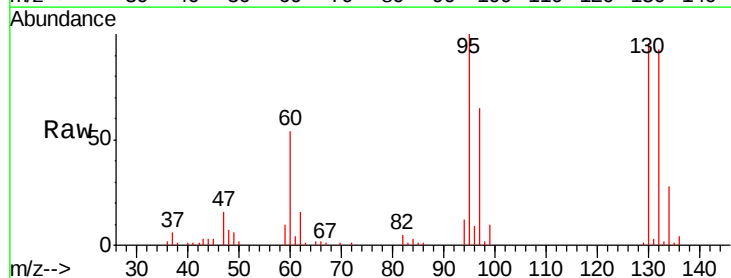
Acq: 26 Sep 2019 16:04

Tgt Ion: 130 Resp: 76692

Ion Ratio Lower Upper

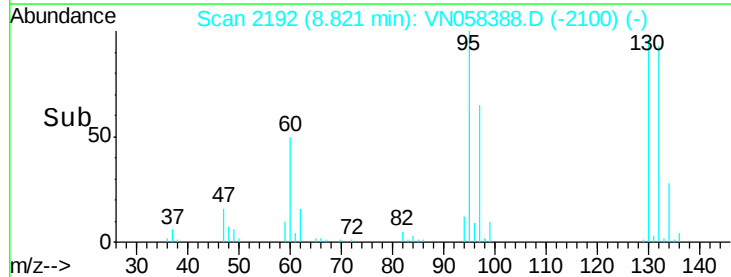
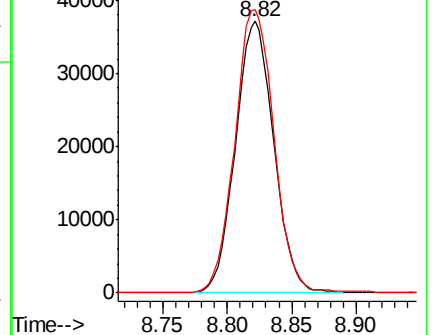
130 100

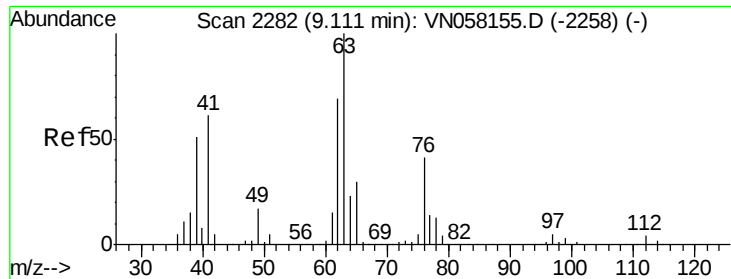
95 104.3 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058388.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058388.D (-2100) (-)





#45

1,2-Dichloropropane

Concen: 19.876 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

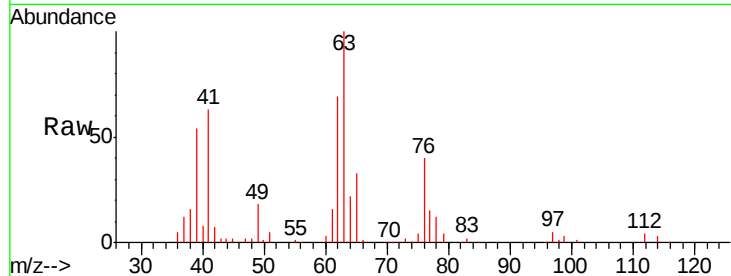
VN09216WBSD02

Tgt Ion: 63 Resp: 103444

Ion Ratio Lower Upper

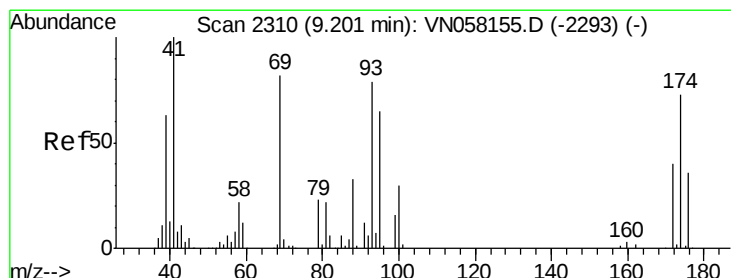
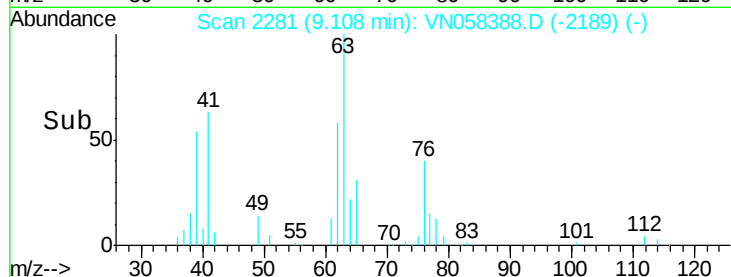
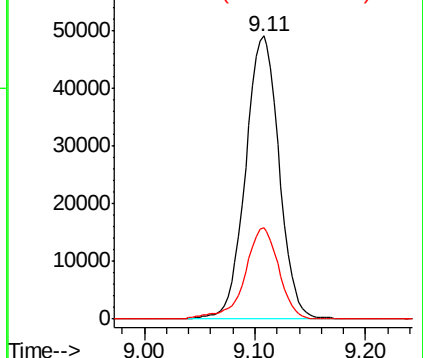
63 100

65 32.2 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.713 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

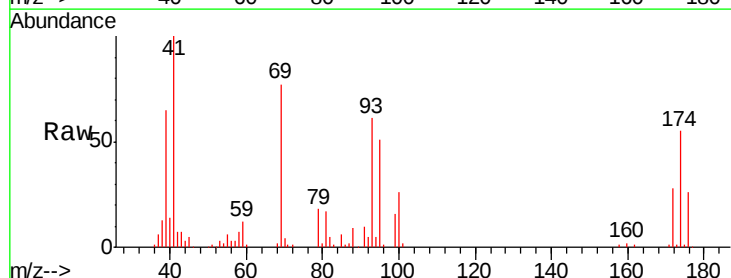
Tgt Ion: 93 Resp: 59214

Ion Ratio Lower Upper

93 100

95 82.3 66.8 100.2

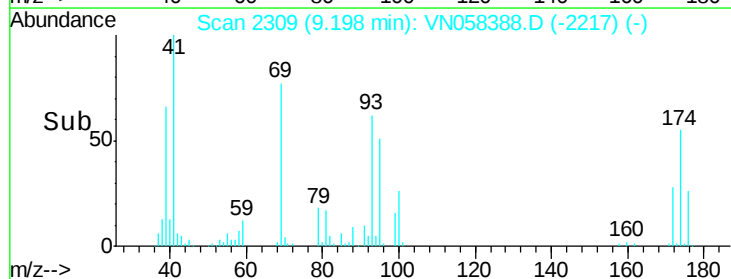
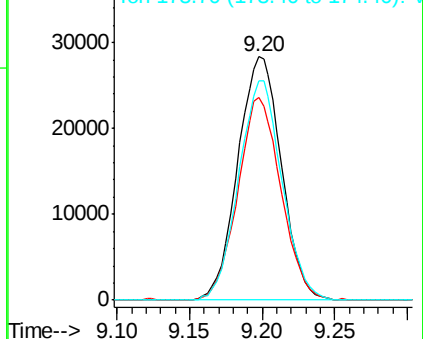
174 89.4 73.8 110.8

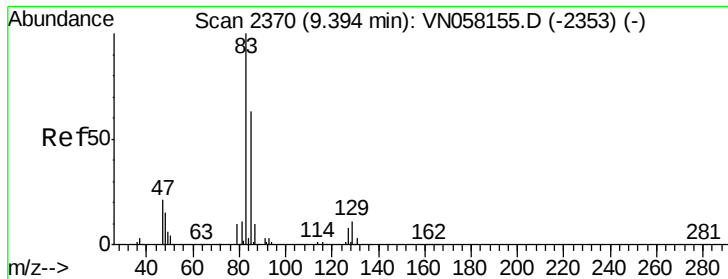


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.040 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

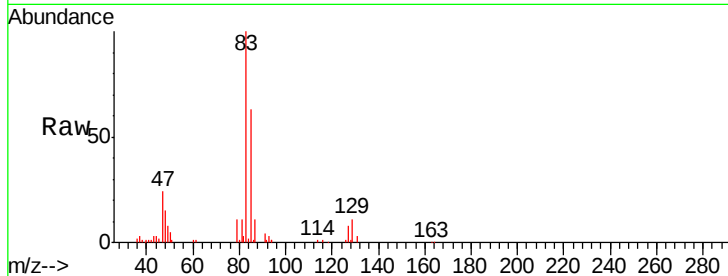
Tgt Ion: 83 Resp: 119585

Ion Ratio Lower Upper

83 100

85 63.3 50.1 75.1

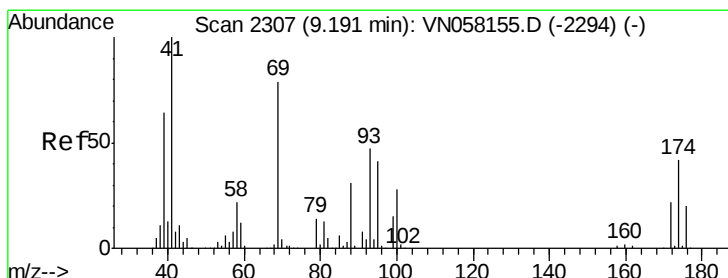
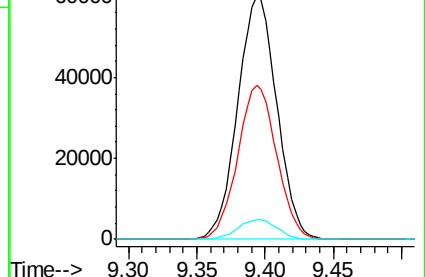
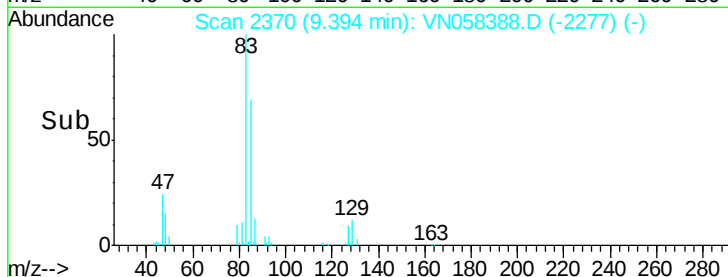
127 8.1 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.239 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

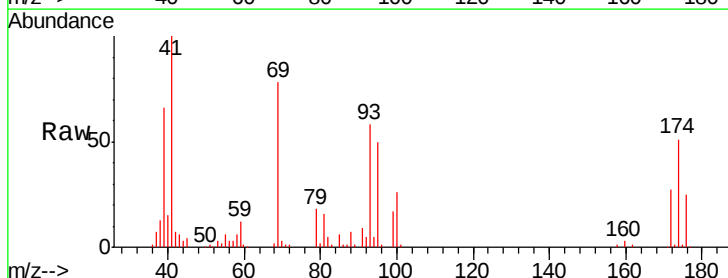
Tgt Ion: 41 Resp: 96602

Ion Ratio Lower Upper

41 100

69 79.5 62.5 93.7

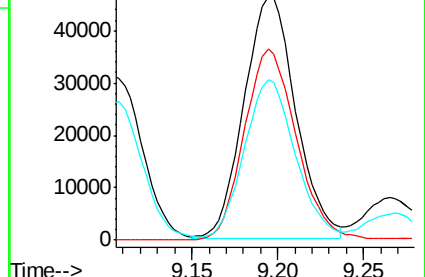
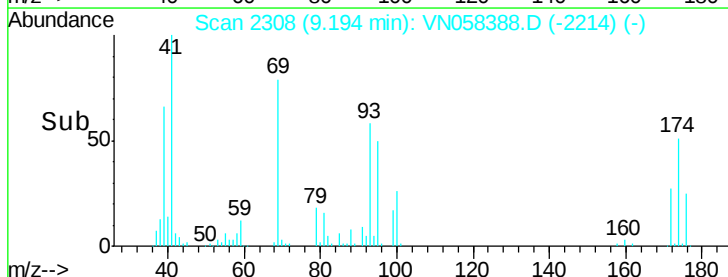
39 65.4 52.3 78.5

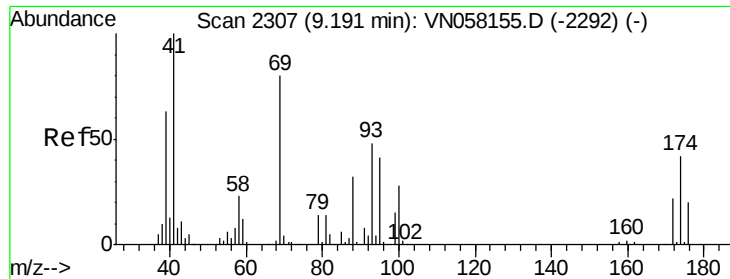


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

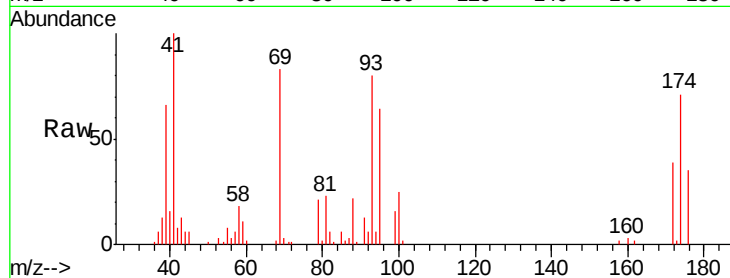




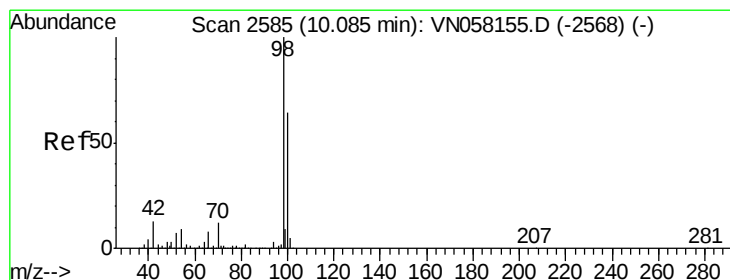
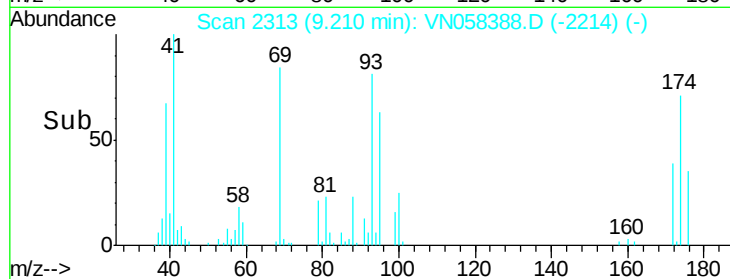
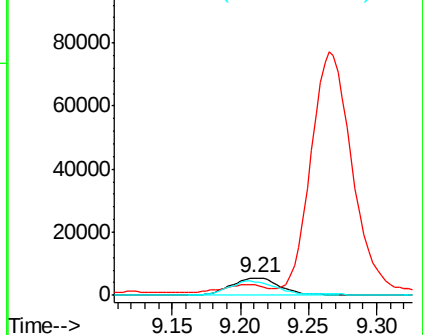
#49
 1,4-Dioxane
 Concen: 167.799 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.02 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN09216WBSD02

Tgt Ion: 88 Resp: 13833
 Ion Ratio Lower Upper
 88 100
 43 39.9 27.8 41.8
 58 79.2 55.0 82.4

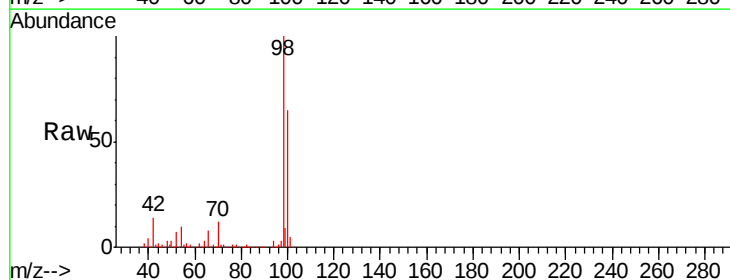


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

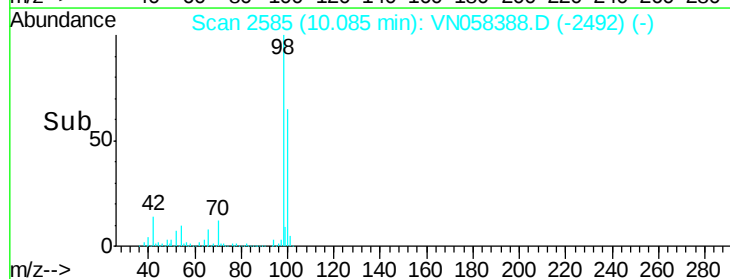
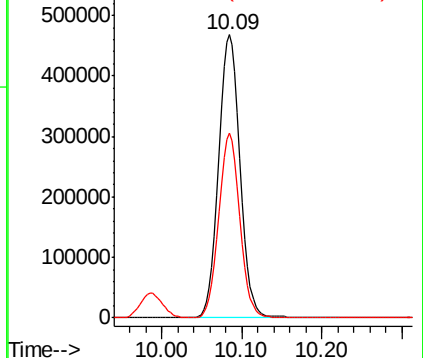


#50
 Toluene-d8
 Concen: 46.443 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Tgt Ion: 98 Resp: 870353
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 106.239 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

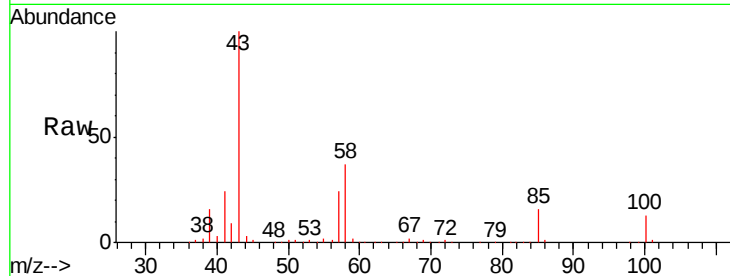
VN09216WBSD02

Tgt Ion: 43 Resp: 624043

Ion Ratio Lower Upper

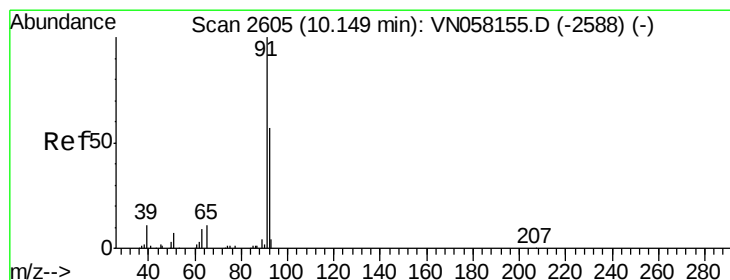
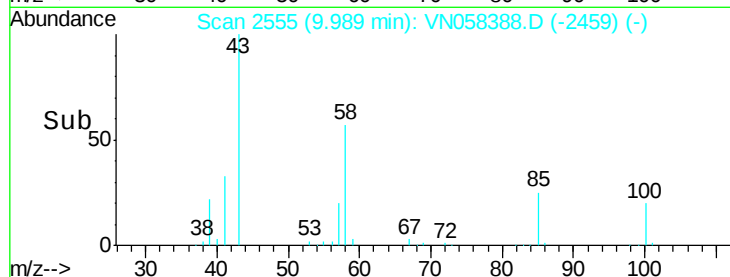
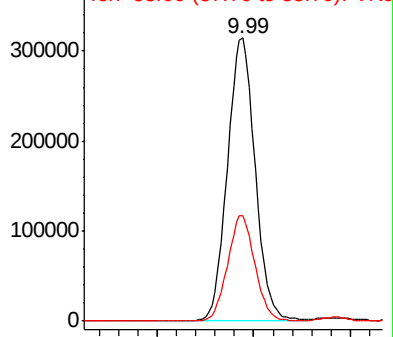
43 100

58 36.9 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.902 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058388.D

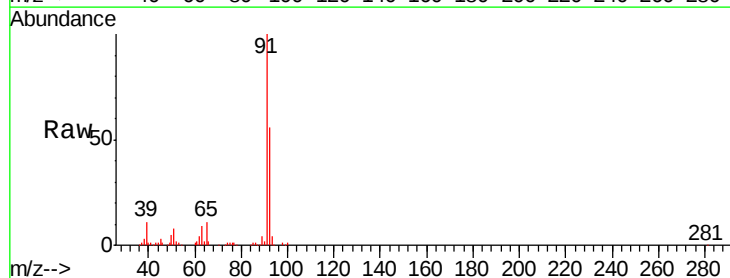
Acq: 26 Sep 2019 16:04

Tgt Ion: 92 Resp: 195526

Ion Ratio Lower Upper

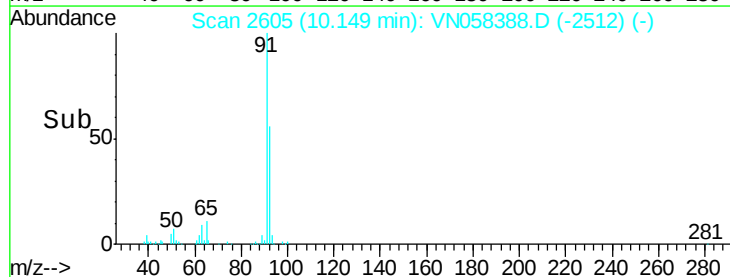
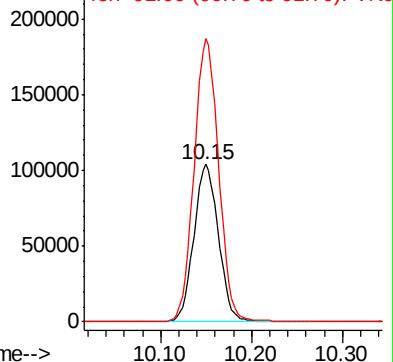
92 100

91 179.6 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.357 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

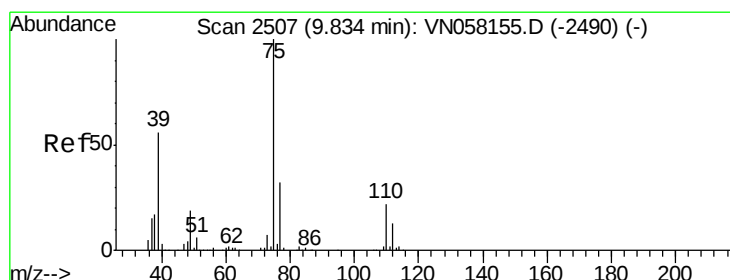
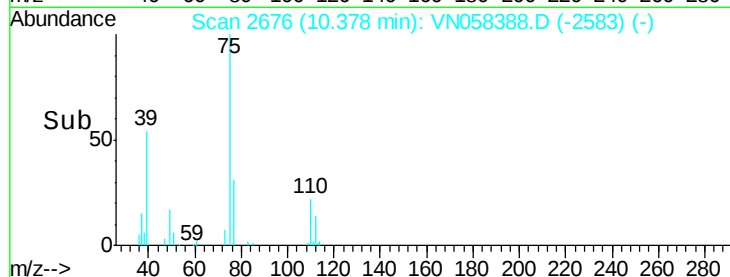
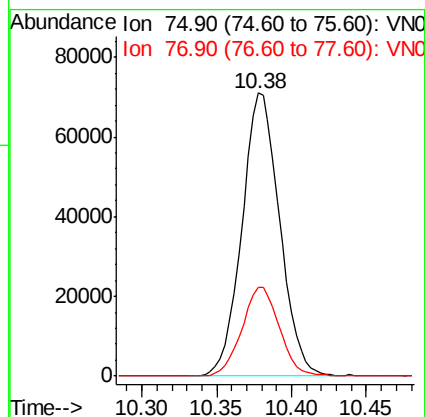
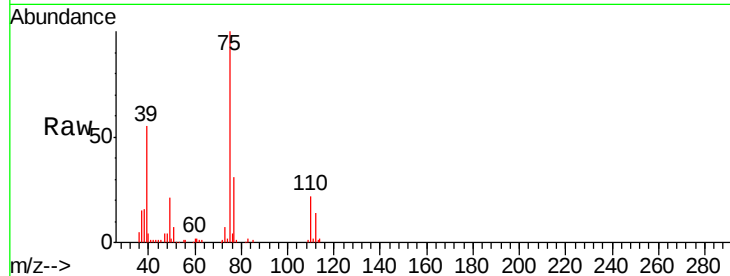
VN09216WBSD02

Tgt Ion: 75 Resp: 124650

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 18.029 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

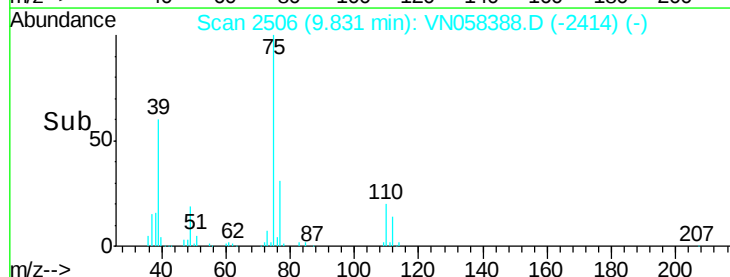
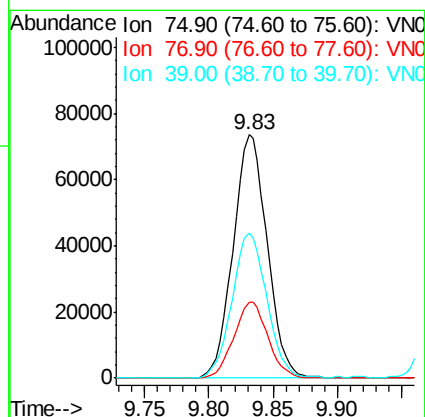
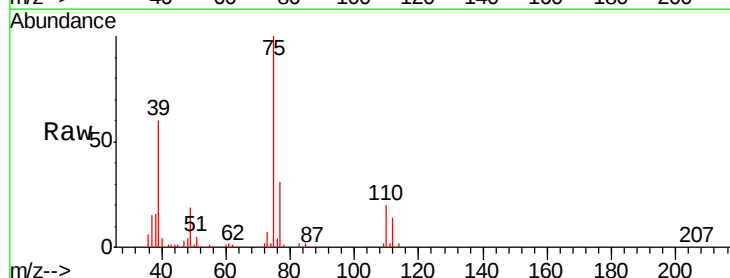
Tgt Ion: 75 Resp: 135164

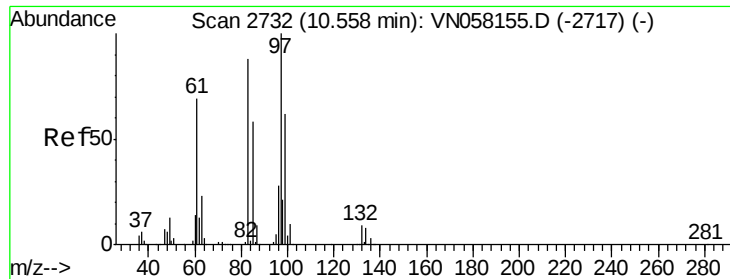
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 59.4 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 19.668 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

Tgt Ion: 97 Resp: 95330

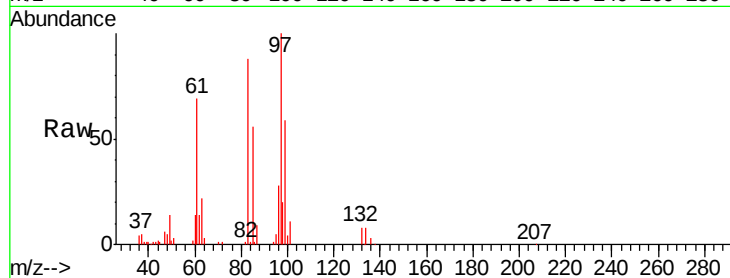
Ion Ratio Lower Upper

97 100

83 88.4 70.4 105.6

85 56.2 46.8 70.2

99 58.7 49.9 74.9

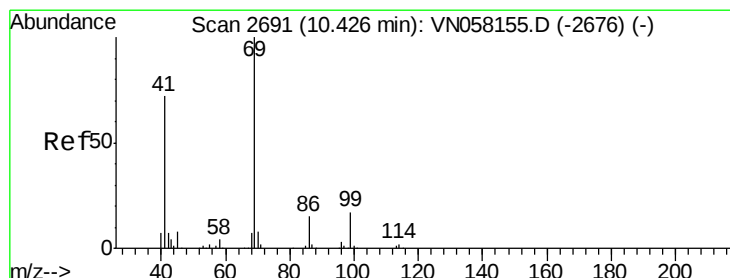
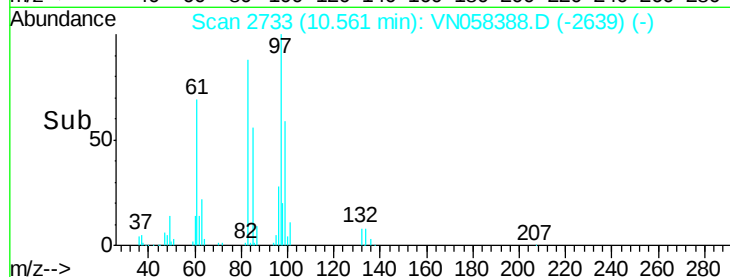
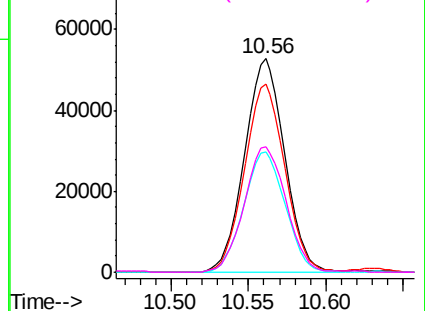


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.955 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

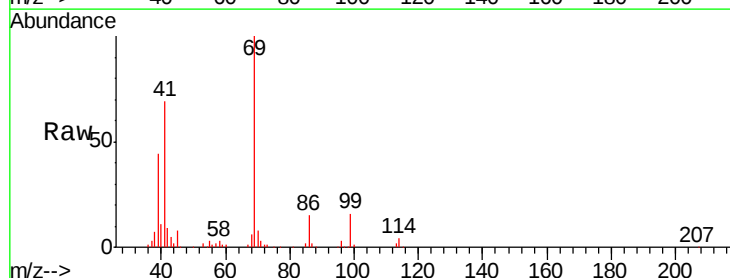
Tgt Ion: 69 Resp: 132560

Ion Ratio Lower Upper

69 100

41 70.5 57.5 86.3

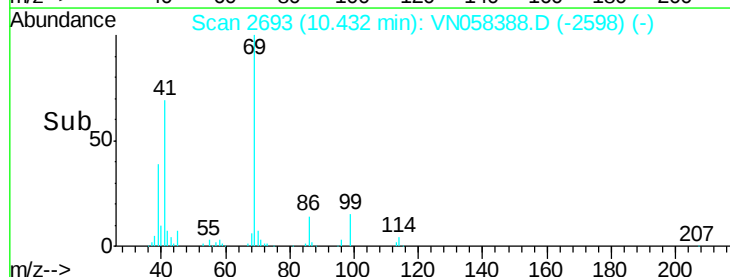
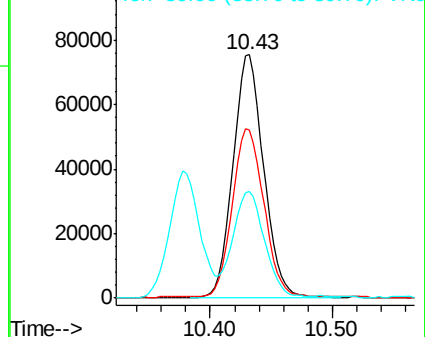
39 44.1 36.1 54.1

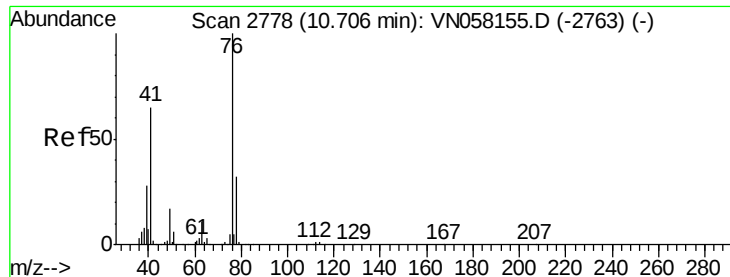


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.332 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

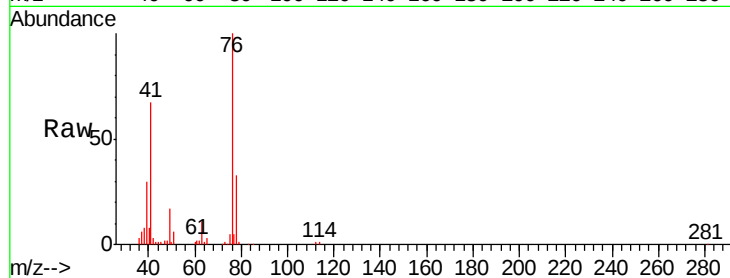
VN09216WBSD02

Tgt Ion: 76 Resp: 161084

Ion Ratio Lower Upper

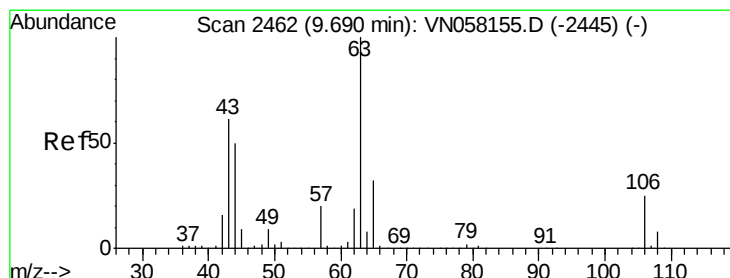
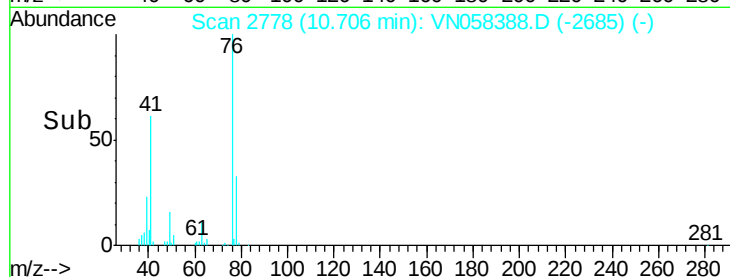
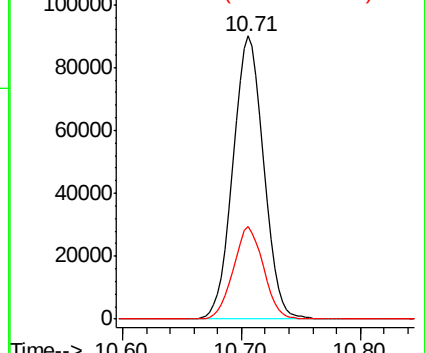
76 100

78 32.1 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 114.892 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058388.D

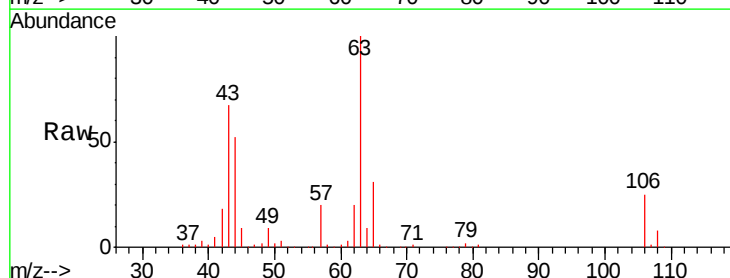
Acq: 26 Sep 2019 16:04

Tgt Ion: 63 Resp: 382712

Ion Ratio Lower Upper

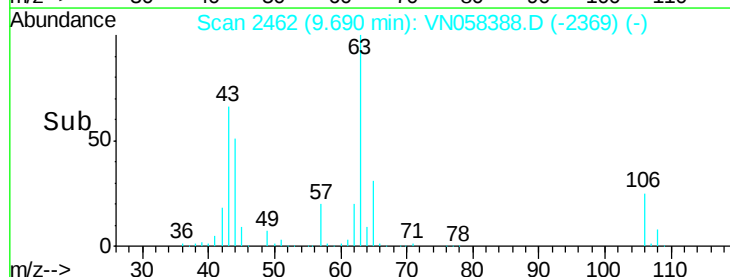
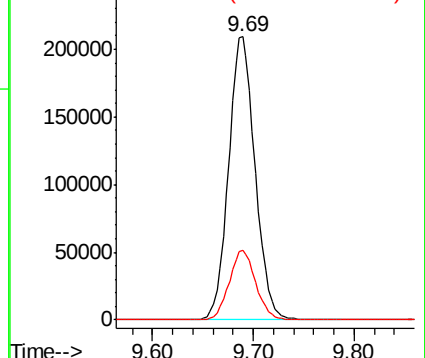
63 100

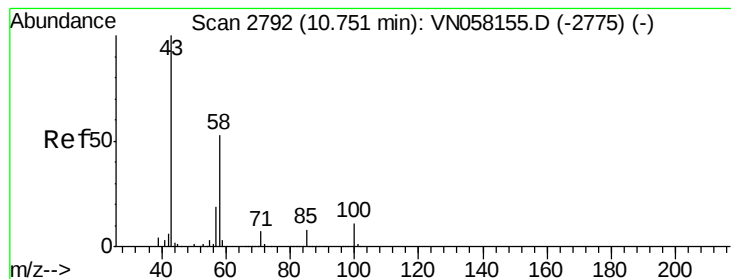
106 24.6 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 101.710 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

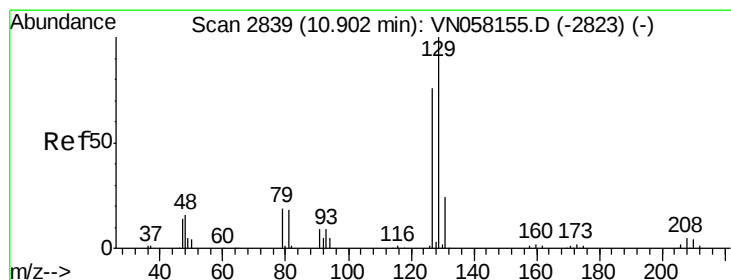
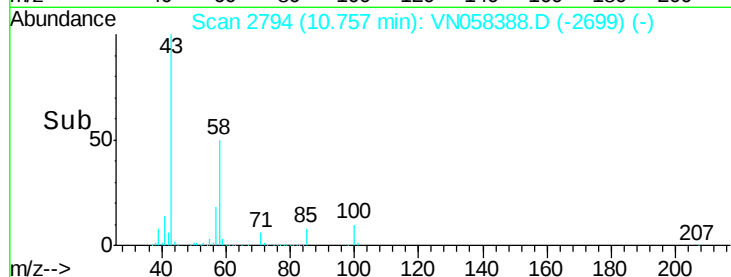
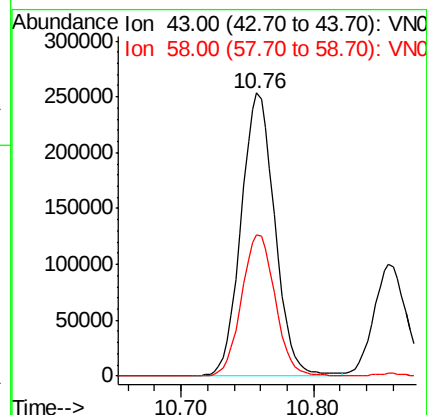
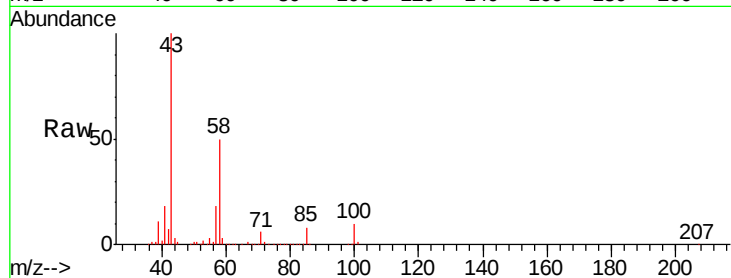
VN09216WBSD02

Tgt Ion: 43 Resp: 443712

Ion Ratio Lower Upper

43 100

58 50.2 26.0 78.0



#60

Dibromochloromethane

Concen: 16.897 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058388.D

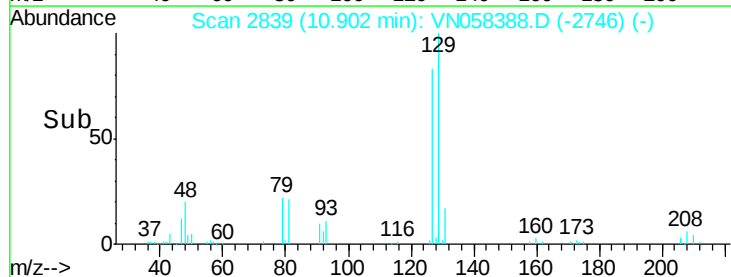
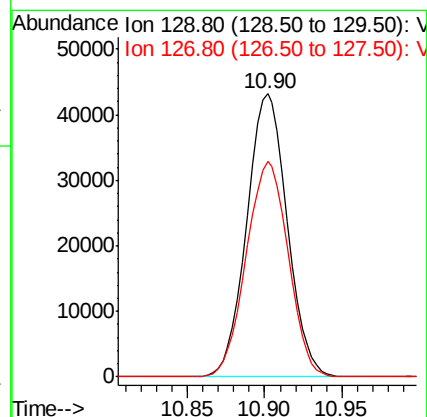
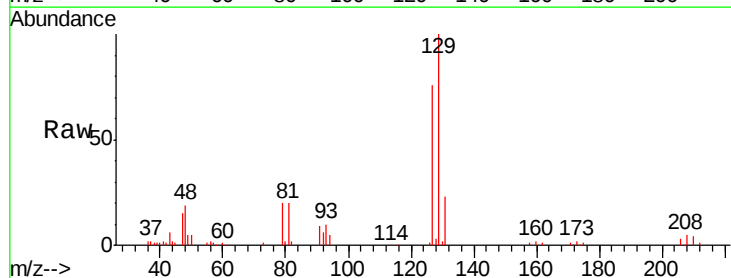
Acq: 26 Sep 2019 16:04

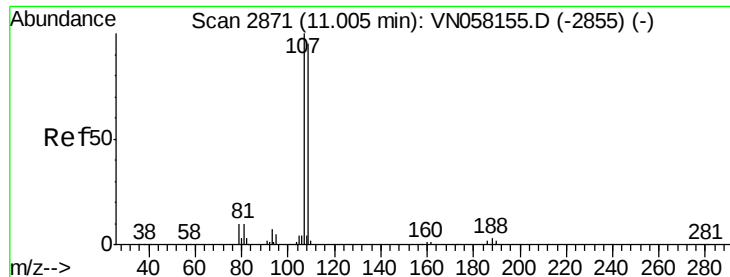
Tgt Ion: 129 Resp: 78789

Ion Ratio Lower Upper

129 100

127 78.9 38.7 116.1

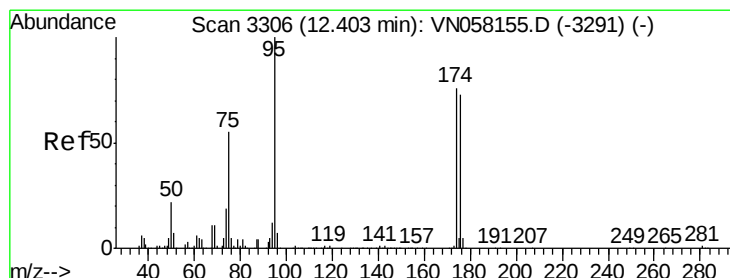
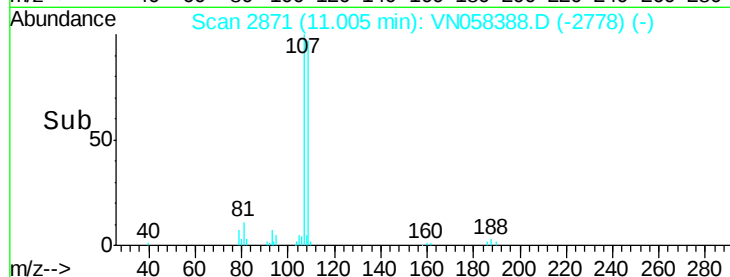
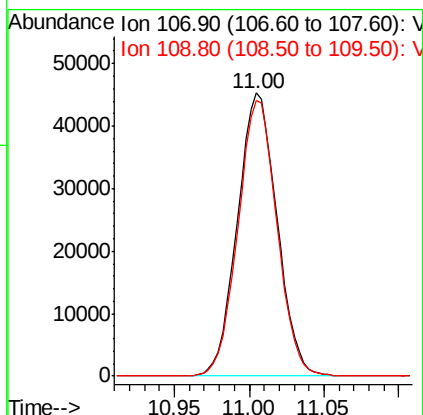
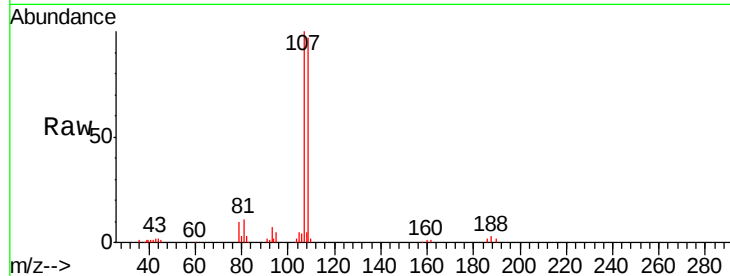




#61
 1,2-Dibromoethane
 Concen: 18.552 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

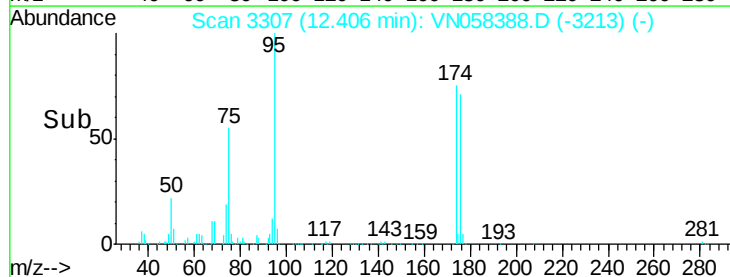
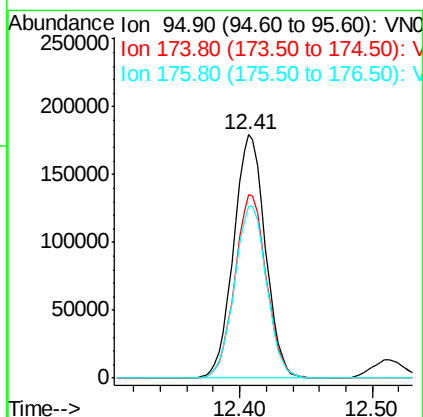
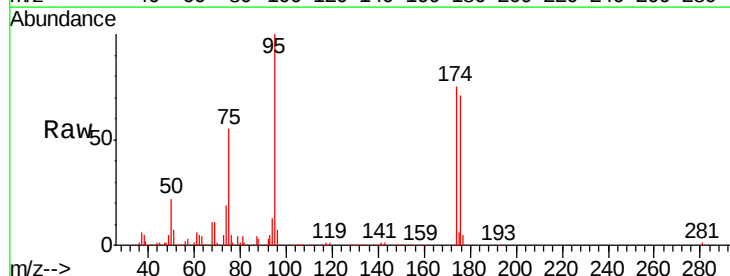
Instrument :
 MSVOA_N
 ClientSampleId :
 VN09216WBSD02

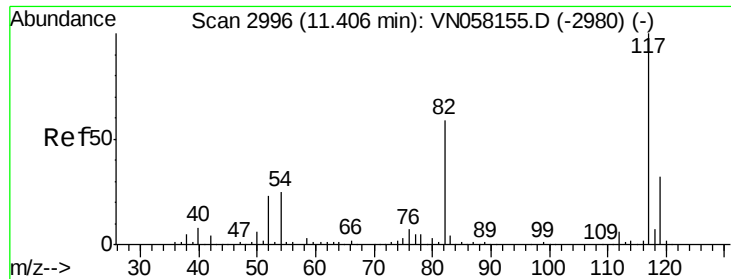
Tgt Ion: 107 Resp: 83331
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 42.723 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Tgt Ion: 95 Resp: 297410
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 152.2
 176 71.9 0.0 148.0

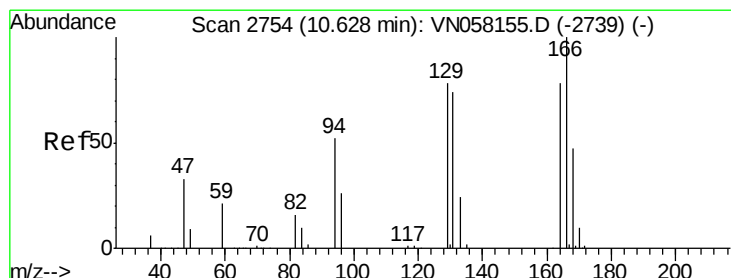
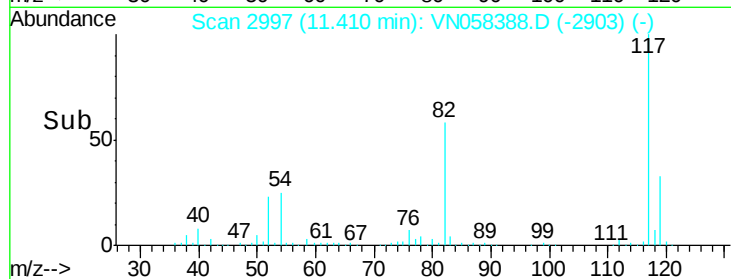
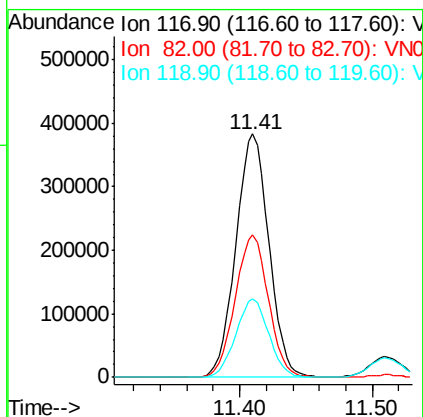
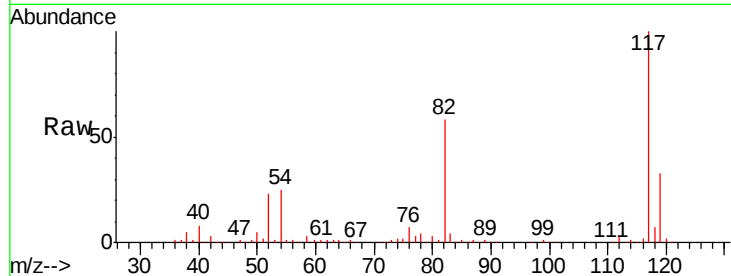




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

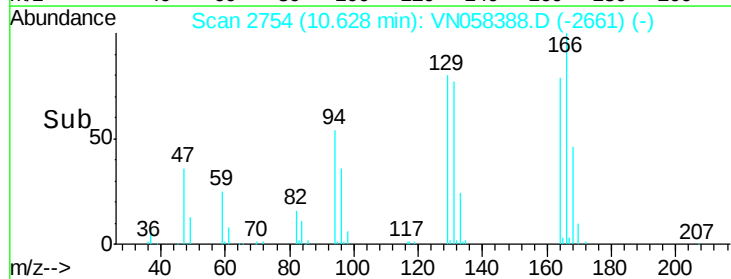
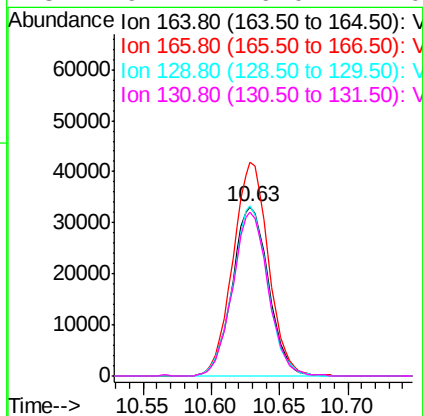
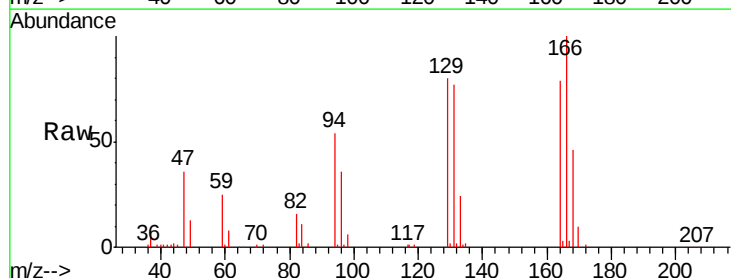
Instrument :
MSVOA_N
ClientSampleId :
VN09216WBSD02

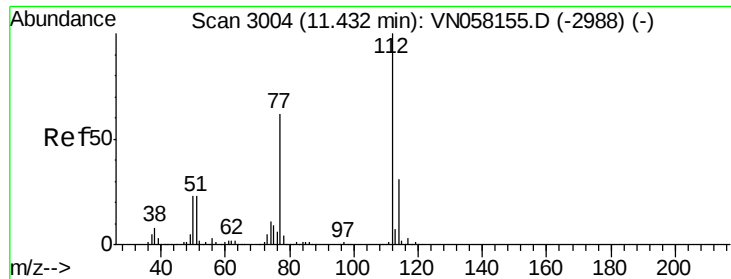
Tgt Ion:117 Resp: 663700
Ion Ratio Lower Upper
117 100
82 58.3 46.9 70.3
119 32.5 25.3 37.9



#64
Tetrachloroethene
Concen: 18.942 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

Tgt Ion:164 Resp: 61284
Ion Ratio Lower Upper
164 100
166 126.2 102.2 153.4
129 100.7 79.6 119.4
131 97.1 76.0 114.0





#65

Chlorobenzene

Concen: 19.156 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

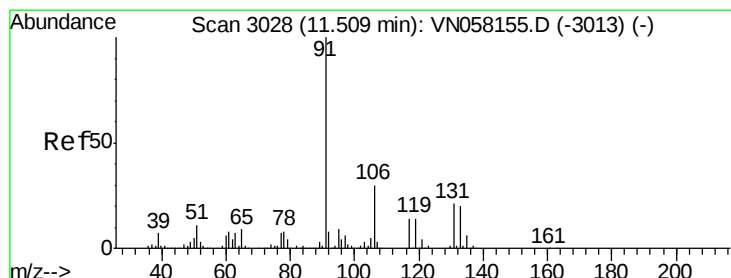
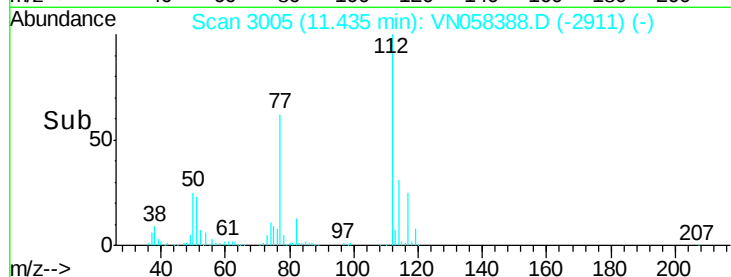
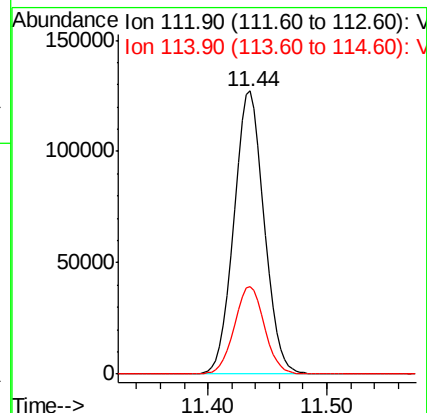
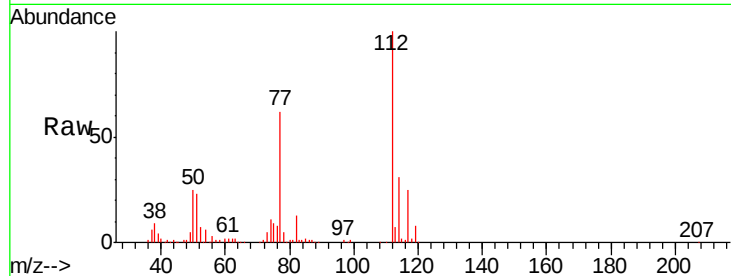
VN09216WBSD02

Tgt Ion:112 Resp: 223631

Ion Ratio Lower Upper

112 100

114 31.1 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 19.404 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

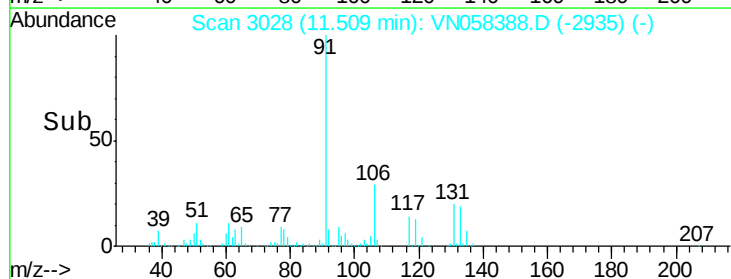
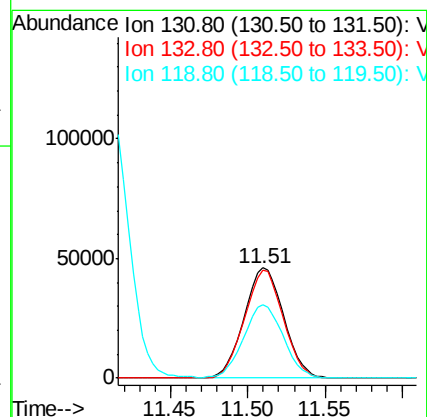
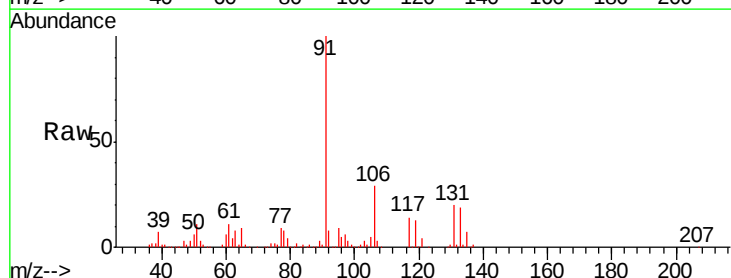
Tgt Ion:131 Resp: 82138

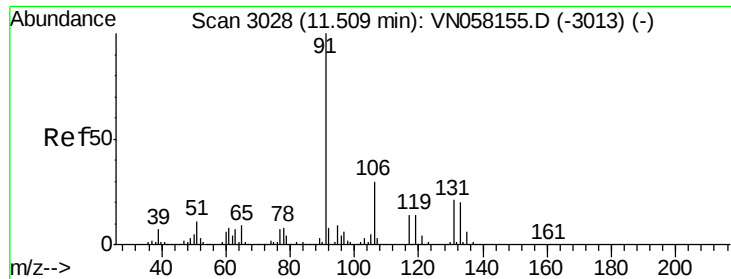
Ion Ratio Lower Upper

131 100

133 95.4 47.8 143.3

119 66.7 33.1 99.3





#67

Ethyl Benzene

Concen: 19.956 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

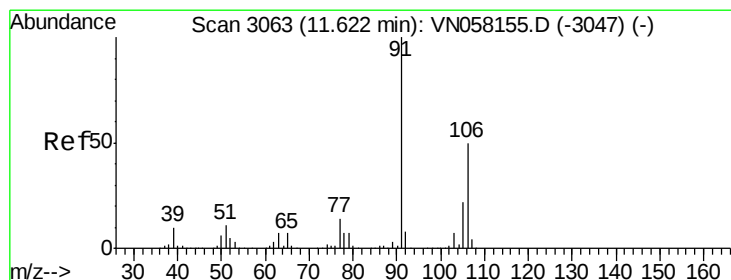
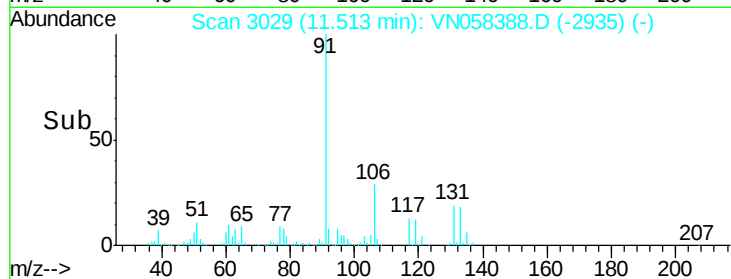
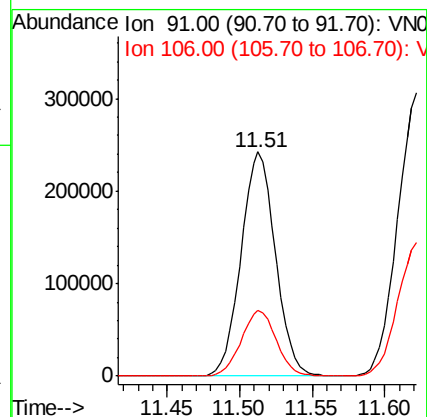
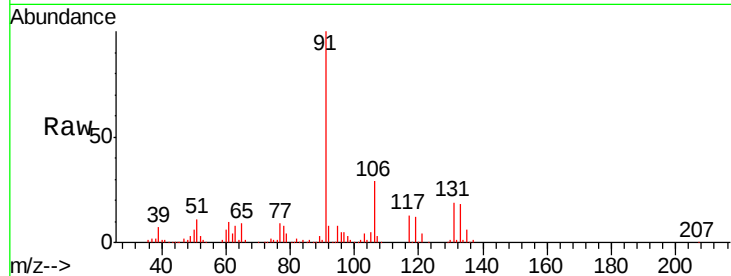
VN09216WBSD02

Tgt Ion: 91 Resp: 399182

Ion Ratio Lower Upper

91 100

106 29.2 24.0 36.0



#68

m/p-Xylenes

Concen: 37.704 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058388.D

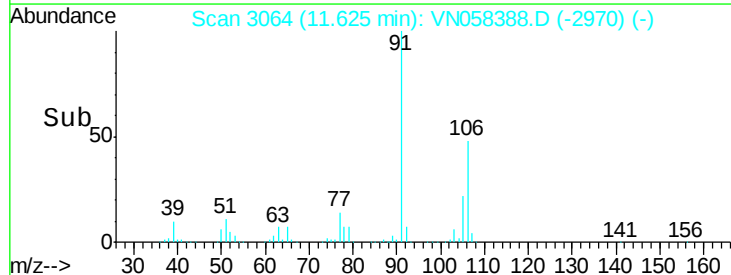
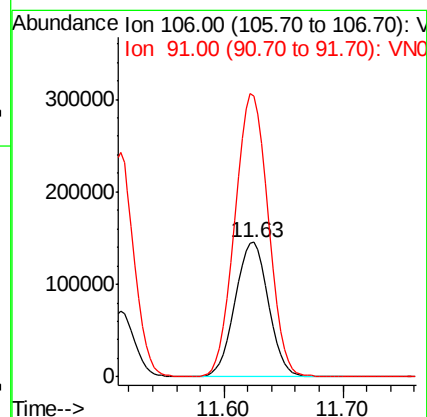
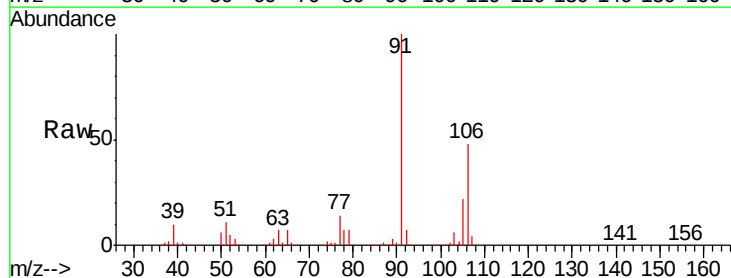
Acq: 26 Sep 2019 16:04

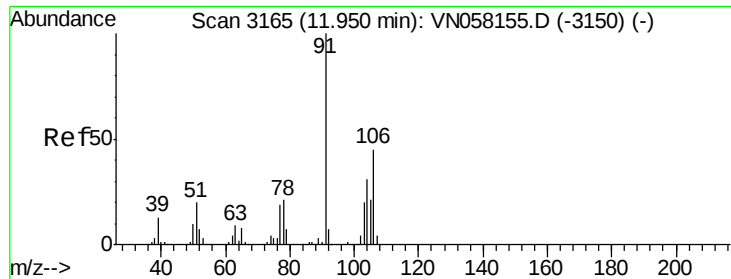
Tgt Ion: 106 Resp: 284055

Ion Ratio Lower Upper

106 100

91 209.5 163.6 245.4

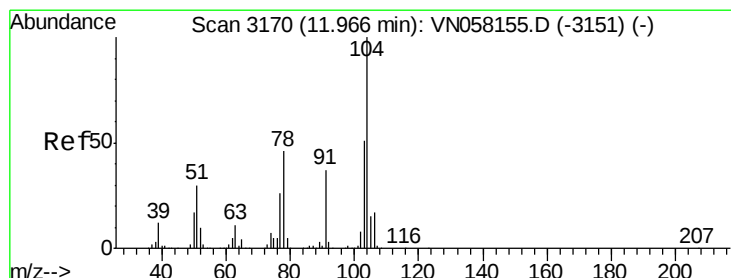
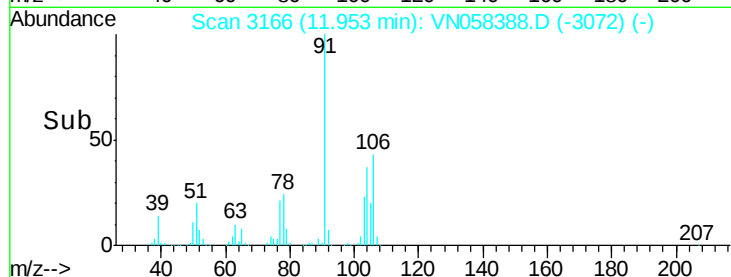
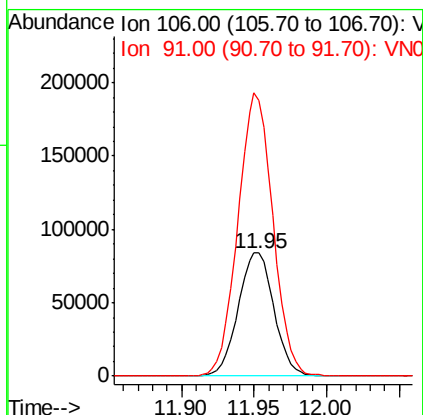
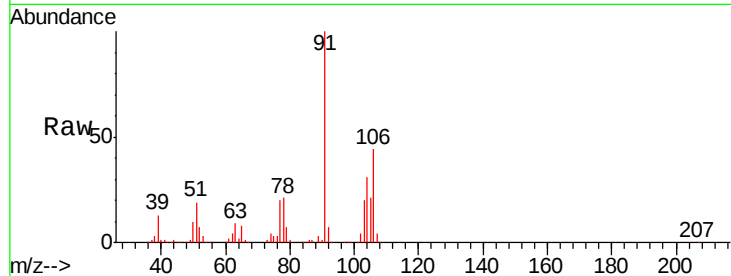




#69
o-Xylene
Concen: 19.400 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

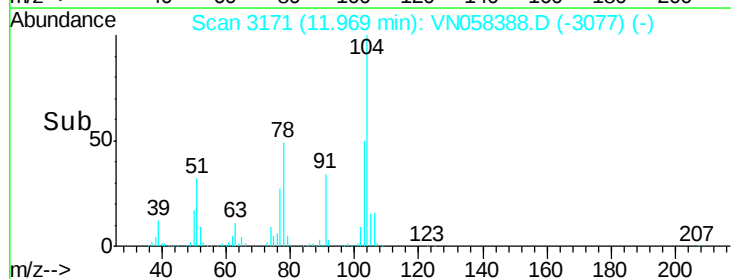
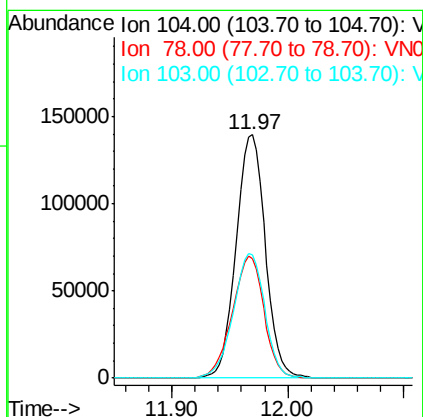
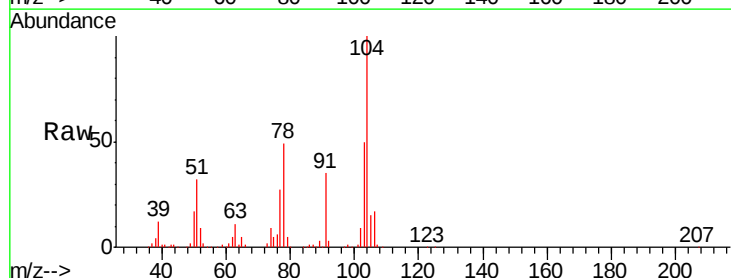
Instrument :
MSVOA_N
ClientSampleId :
VN09216WBSD02

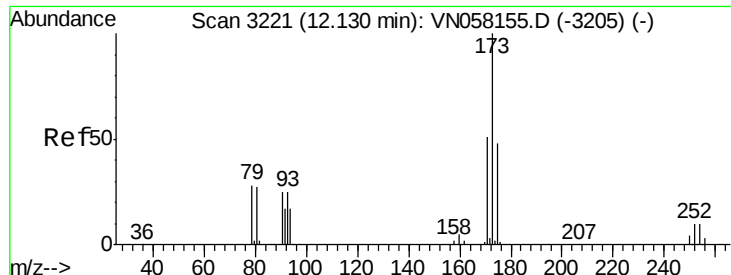
Tgt Ion:106 Resp: 143713
Ion Ratio Lower Upper
106 100
91 224.9 111.8 335.3



#70
Styrene
Concen: 19.192 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058388.D
Acq: 26 Sep 2019 16:04

Tgt Ion:104 Resp: 244963
Ion Ratio Lower Upper
104 100
78 54.4 41.8 62.8
103 55.0 44.2 66.2





#71

Bromoform

Concen: 16.899 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

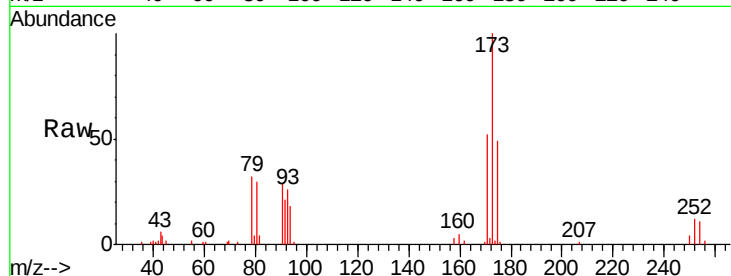
Tgt Ion:173 Resp: 44987

Ion Ratio Lower Upper

173 100

175 47.3 24.2 72.6

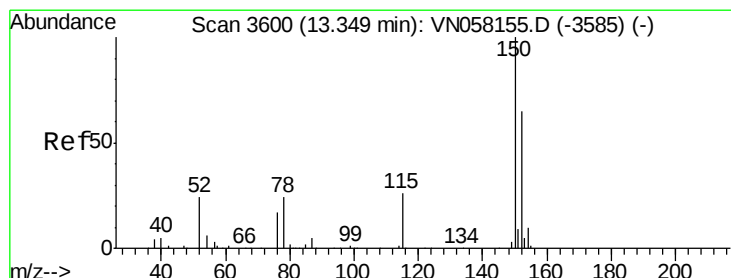
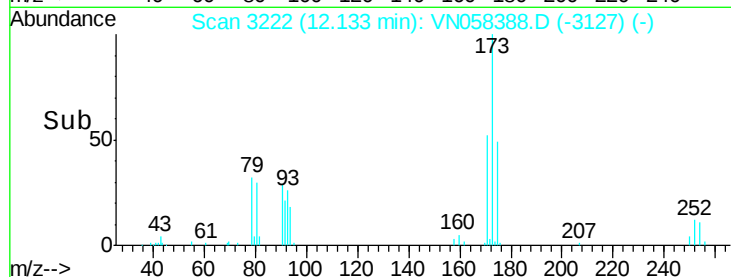
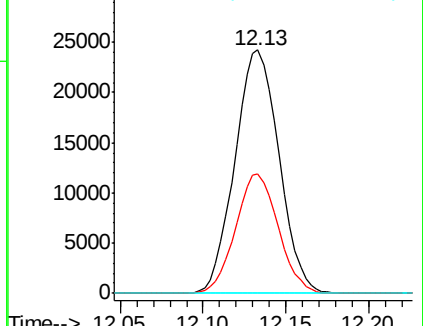
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

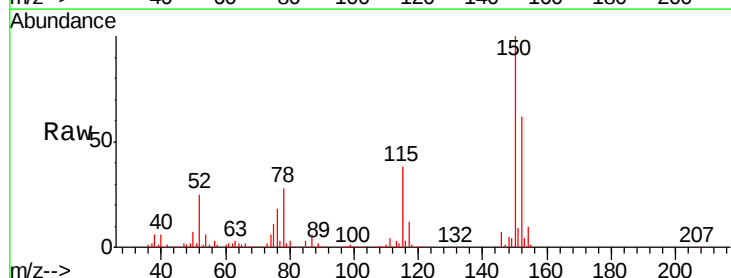
Tgt Ion:152 Resp: 299317

Ion Ratio Lower Upper

152 100

115 62.3 30.1 90.3

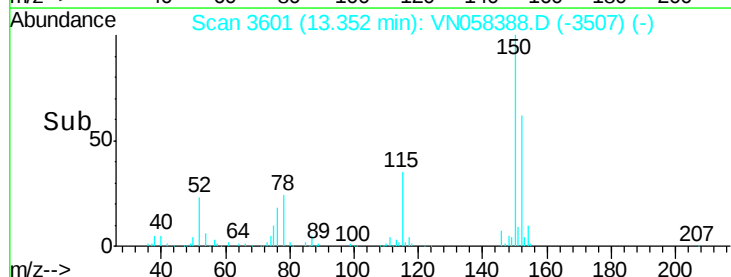
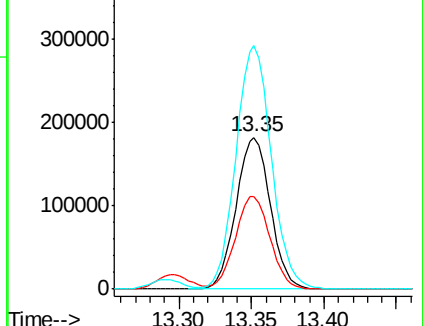
150 165.9 0.0 346.4

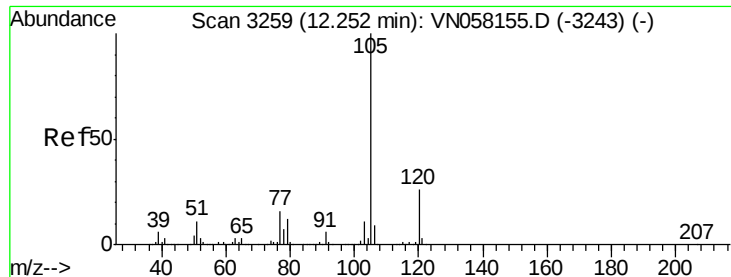


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.877 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

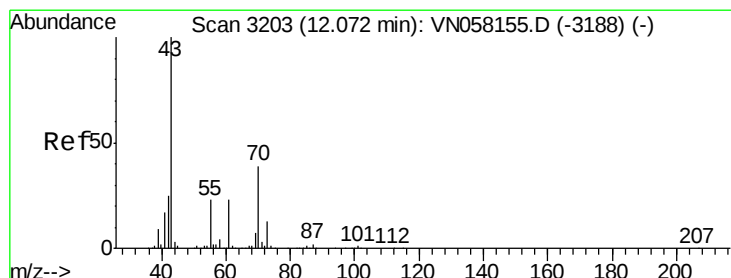
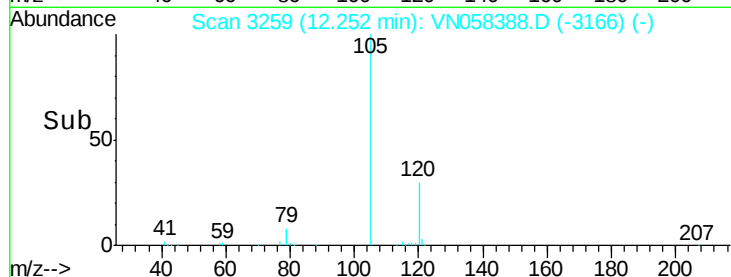
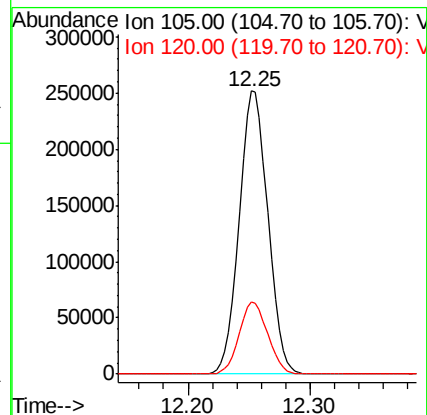
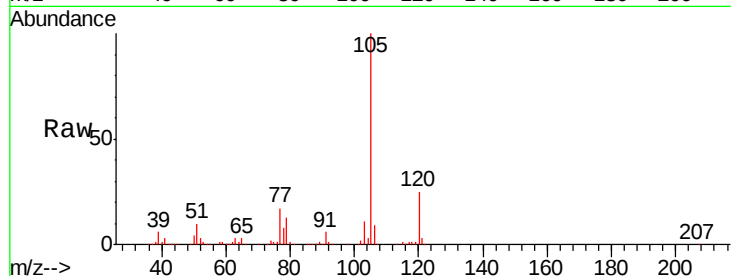
VN09216WBSD02

Tgt Ion:105 Resp: 409876

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3



#74

N-ethyl acetate

Concen: 22.915 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Tgt Ion: 43 Resp: 179603

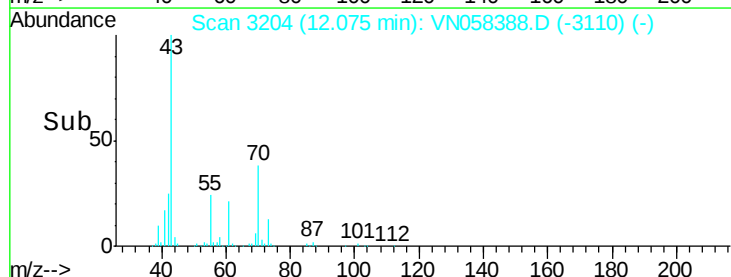
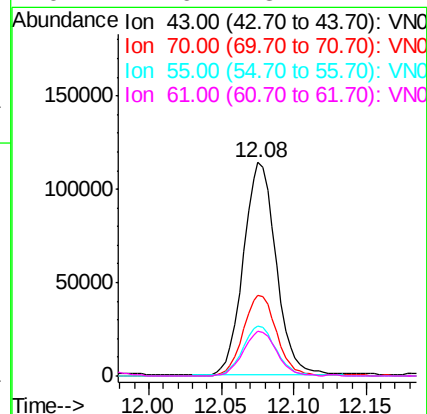
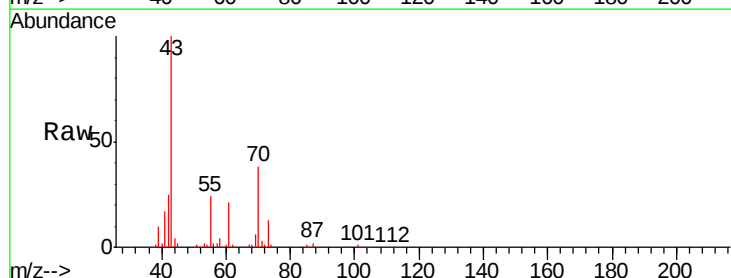
Ion Ratio Lower Upper

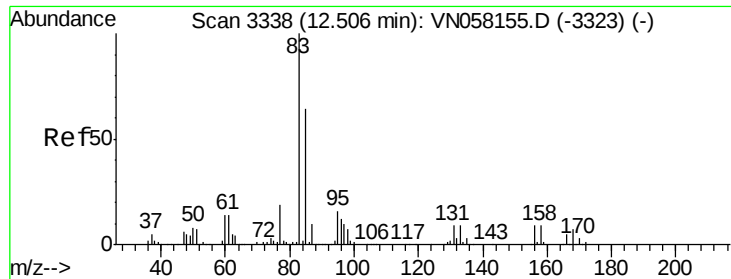
43 100

70 39.1 31.0 46.6

55 24.1 18.5 27.7

61 21.6 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.274 ug/l

RT: 12.51 min Scan# 3340

Delta R.T. 0.01 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

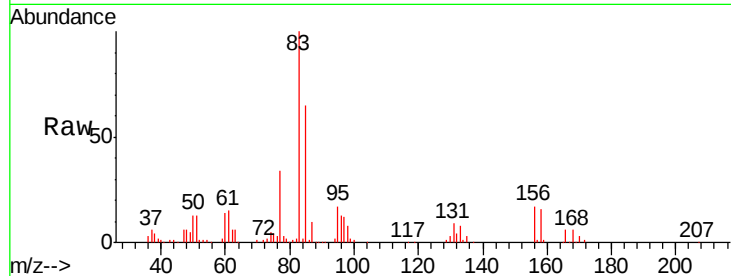
Tgt Ion: 83 Resp: 139745

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

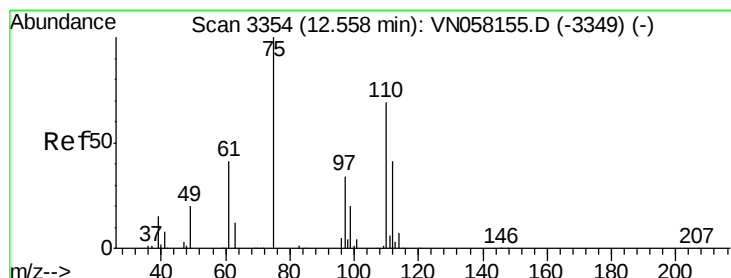
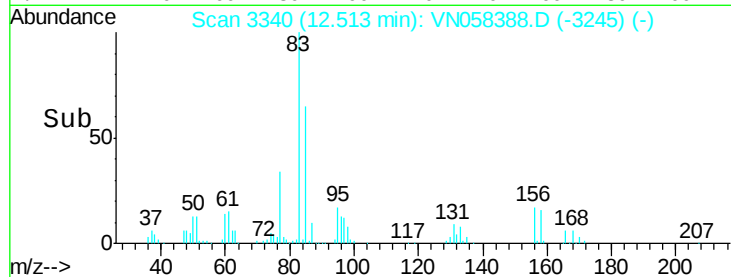
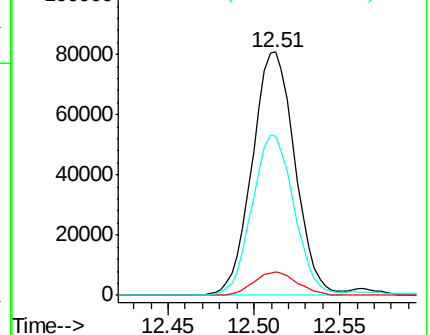
85 64.6 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.729 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058388.D

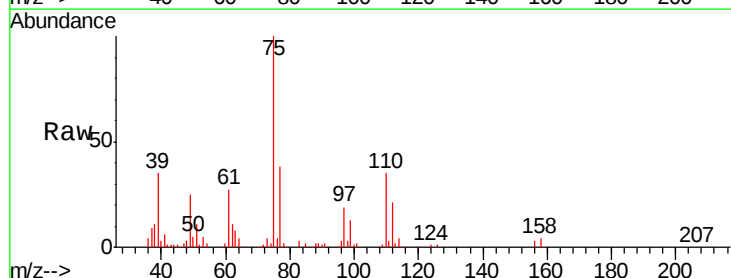
Acq: 26 Sep 2019 16:04

Tgt Ion: 75 Resp: 159253

Ion Ratio Lower Upper

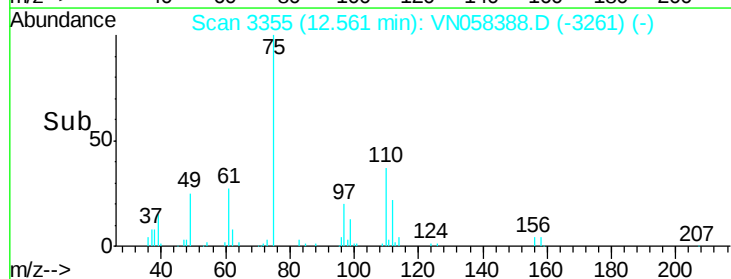
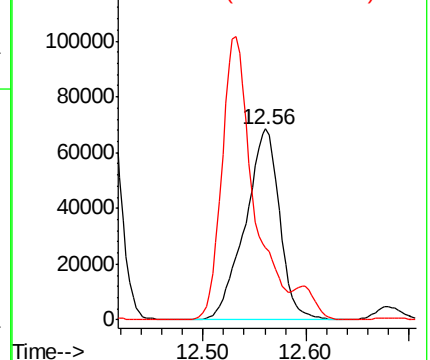
75 100

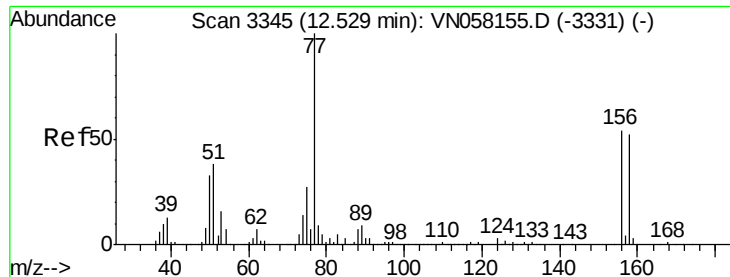
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.917 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

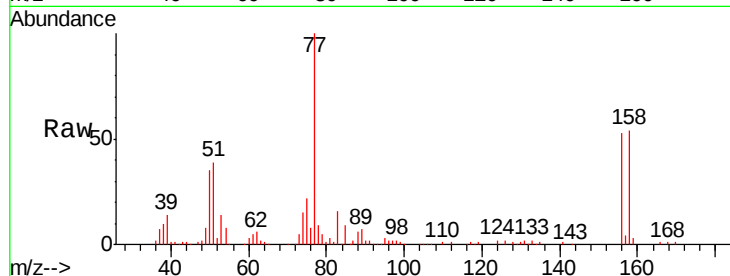
Tgt Ion:156 Resp: 93864

Ion Ratio Lower Upper

156 100

77 229.9 111.7 335.1

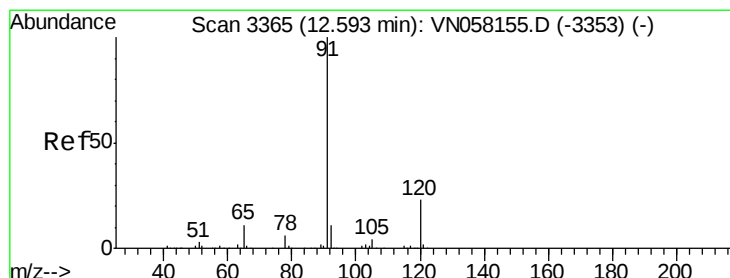
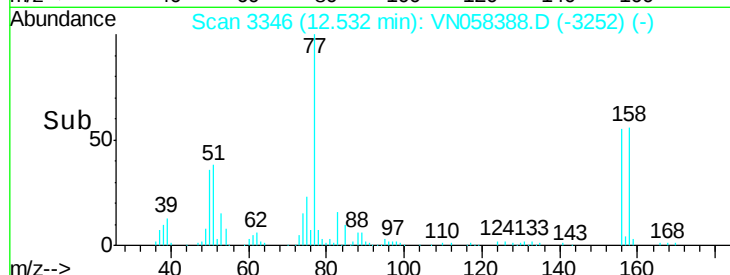
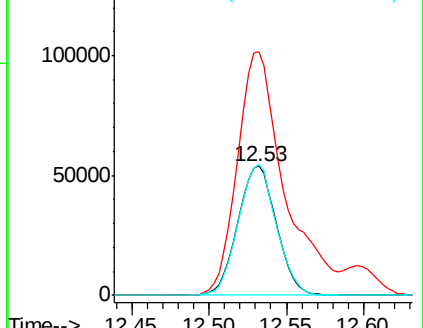
158 99.4 47.9 143.8



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: 21.868 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058388.D

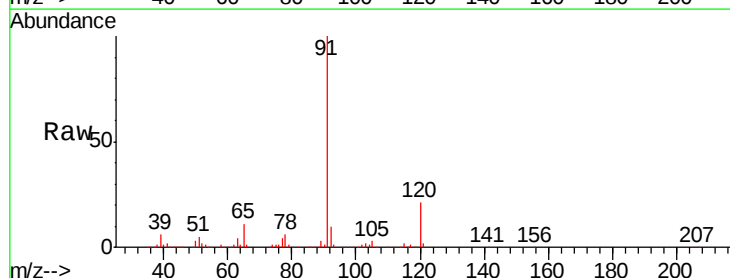
Acq: 26 Sep 2019 16:04

Tgt Ion: 91 Resp: 465576

Ion Ratio Lower Upper

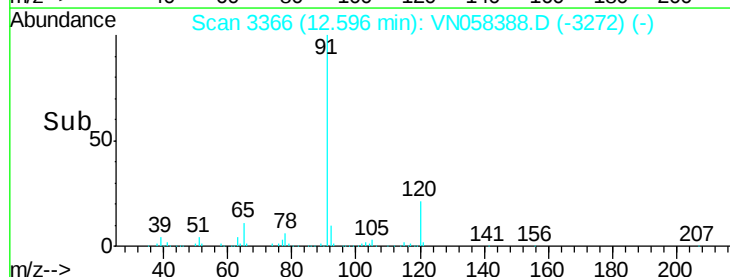
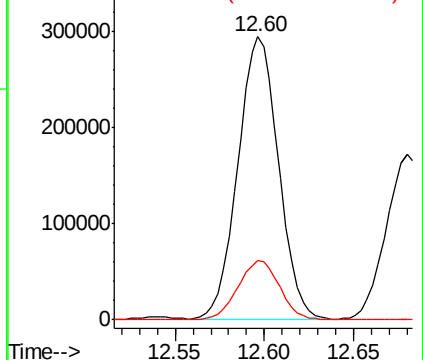
91 100

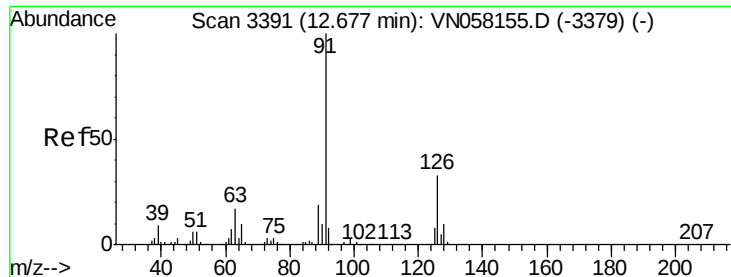
120 21.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

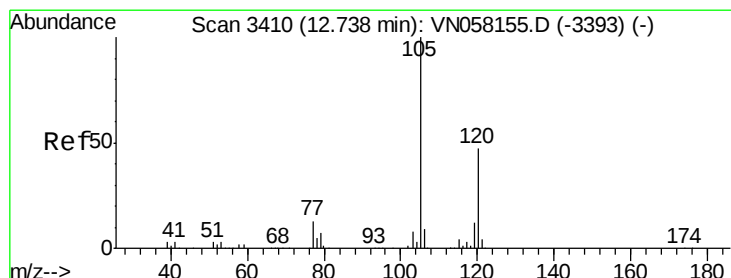
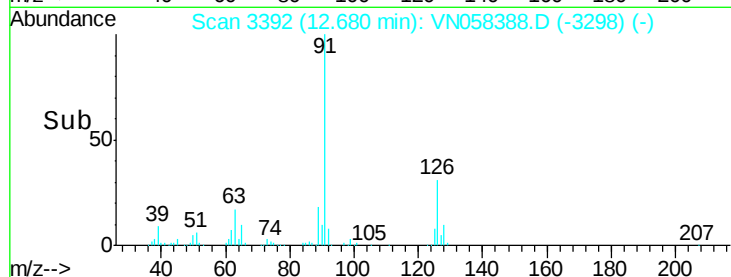
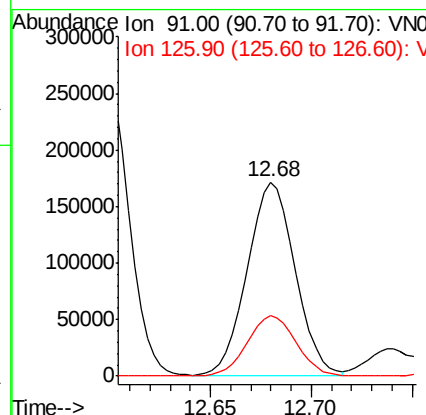
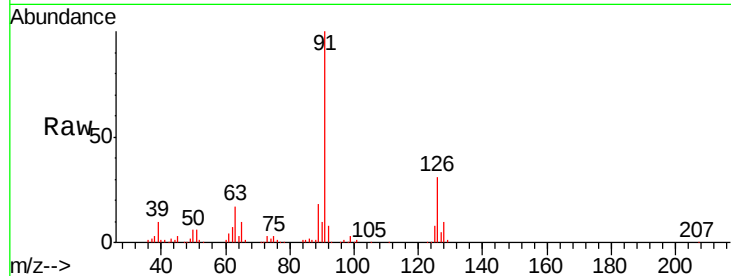




#79
 2-Chlorotoluene
 Concen: 21.268 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

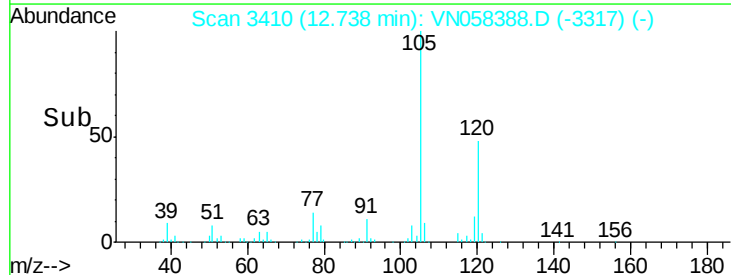
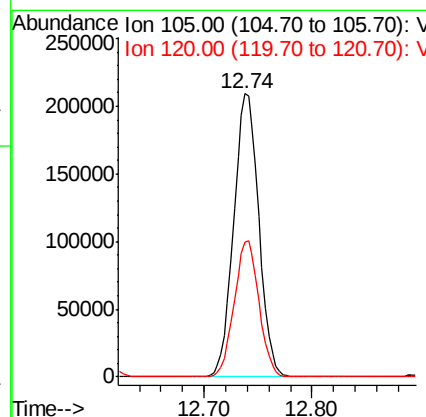
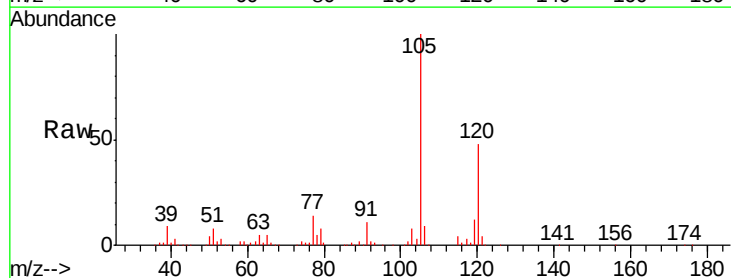
Instrument :
 MSVOA_N
 ClientSampleId :
 VN09216WBSD02

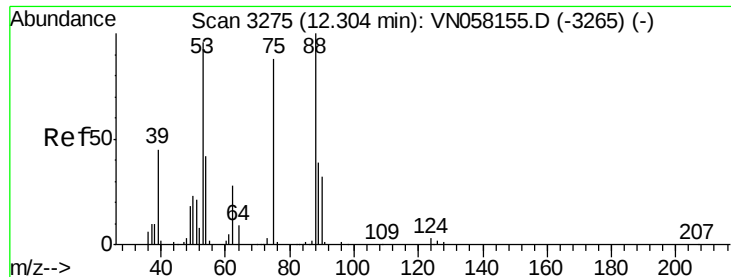
Tgt Ion: 91 Resp: 282980
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.429 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Tgt Ion: 105 Resp: 339498
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.306 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

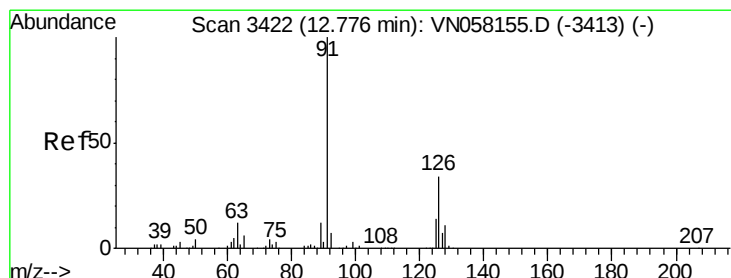
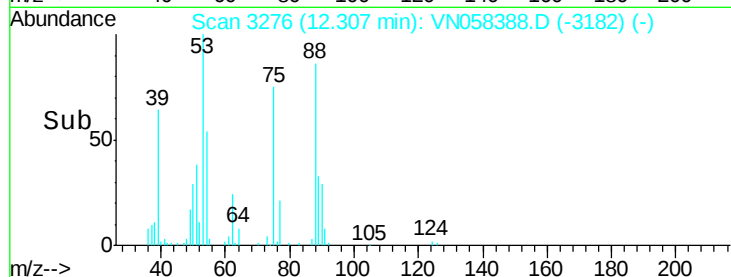
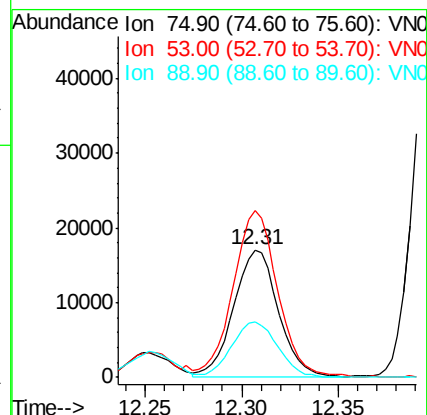
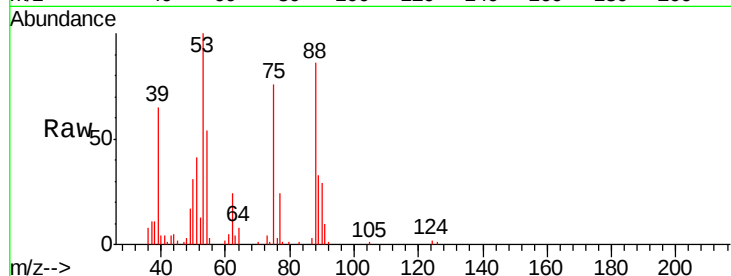
Tgt Ion: 75 Resp: 27527

Ion Ratio Lower Upper

75 100

53 130.2 90.1 135.1

89 44.7 36.2 54.2



#82

4-Chlorotoluene

Concen: 20.482 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058388.D

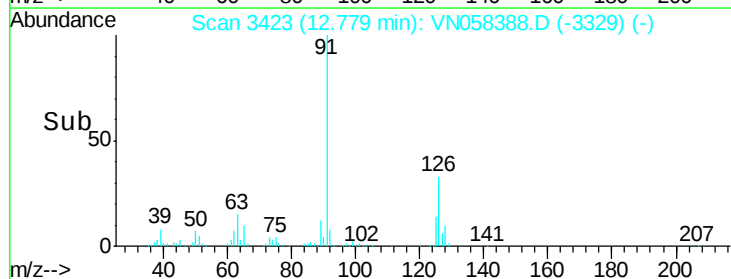
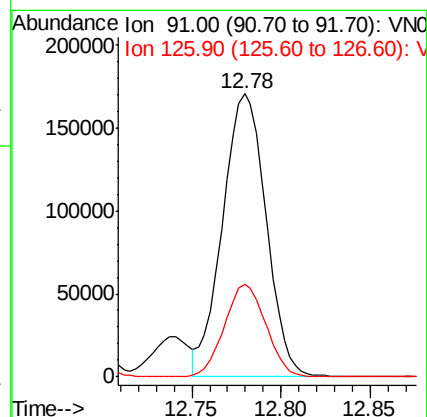
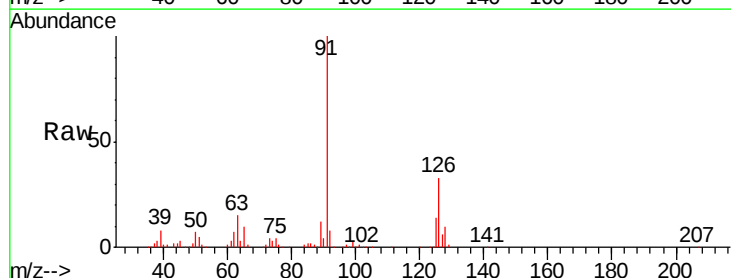
Acq: 26 Sep 2019 16:04

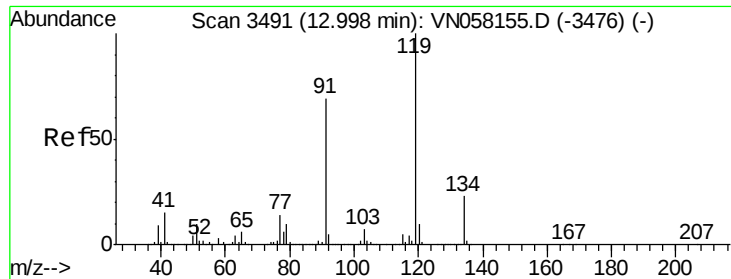
Tgt Ion: 91 Resp: 286472

Ion Ratio Lower Upper

91 100

126 31.6 15.7 47.1

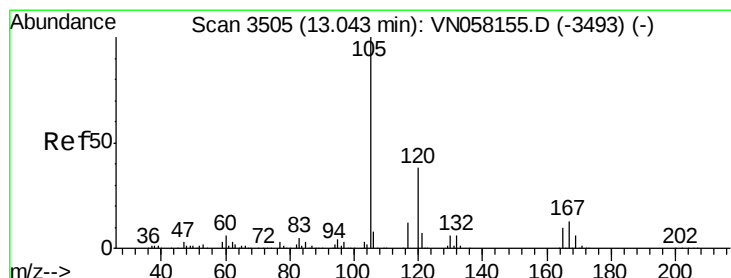
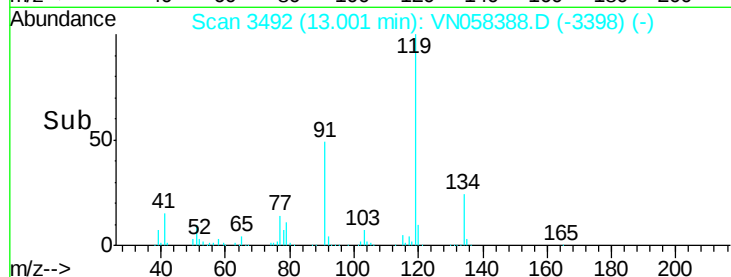
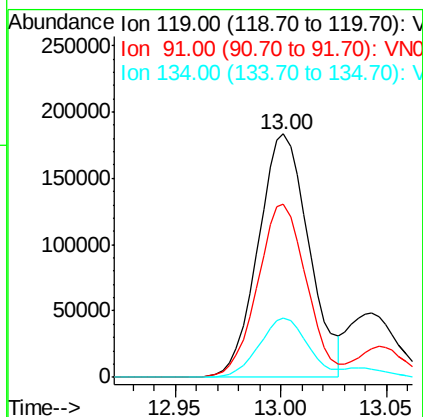
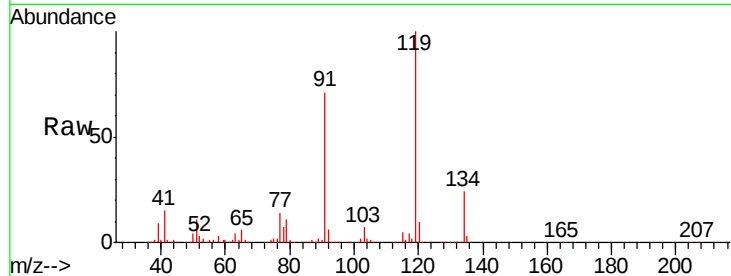




#83
 tert-Butylbenzene
 Concen: 21.690 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

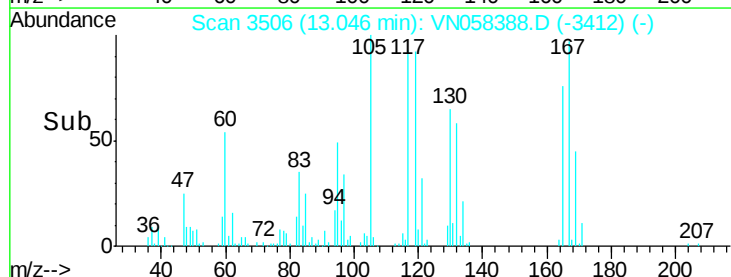
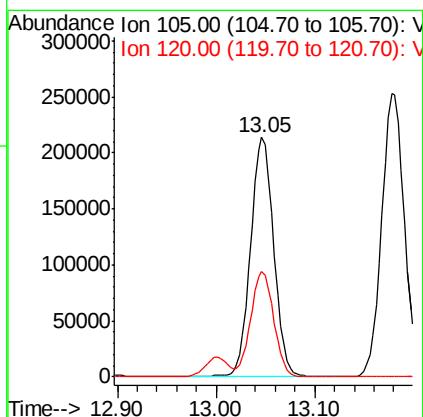
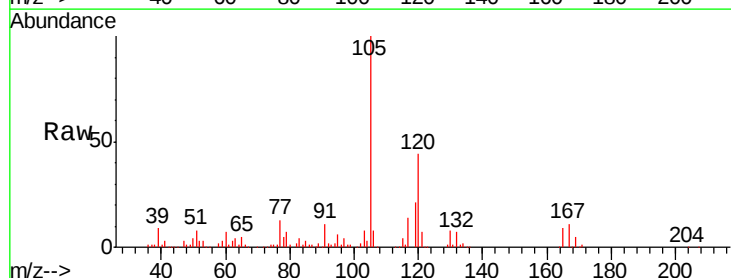
Instrument :
 MSVOA_N
 ClientSampleId :
 VN09216WBSD02

Tgt Ion:119 Resp: 306442
 Ion Ratio Lower Upper
 119 100
 91 68.8 33.8 101.3
 134 23.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.966 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Tgt Ion:105 Resp: 346323
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.727 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

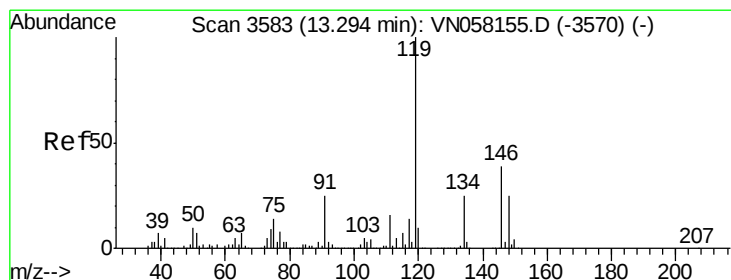
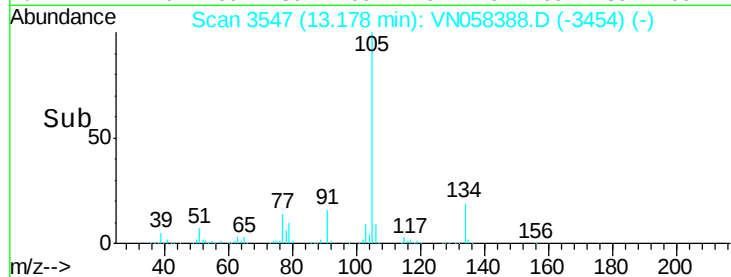
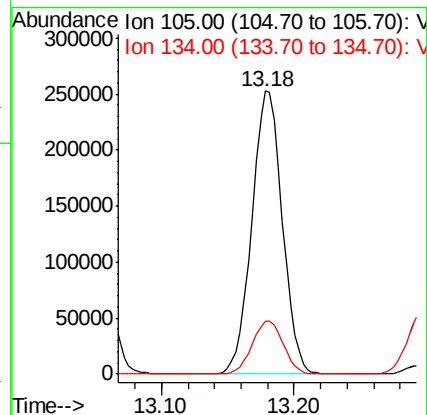
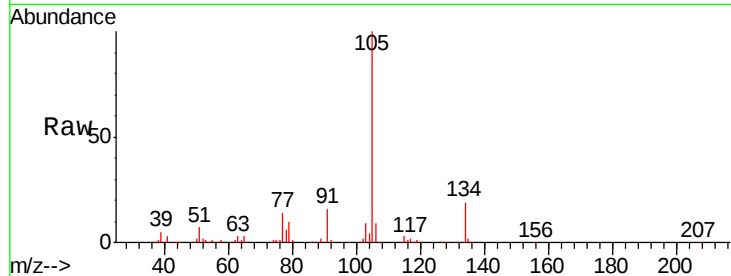
VN09216WBSD02

Tgt Ion:105 Resp: 401406

Ion Ratio Lower Upper

105 100

134 19.1 9.5 28.5



#86

p-Isopropyltoluene

Concen: 21.772 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

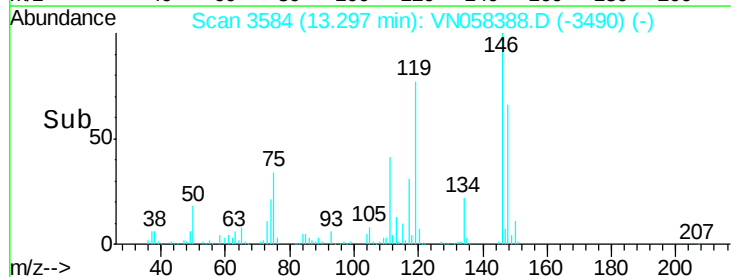
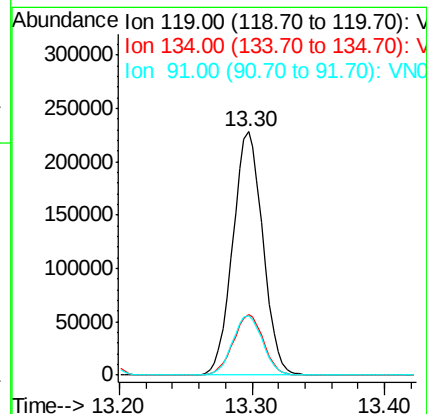
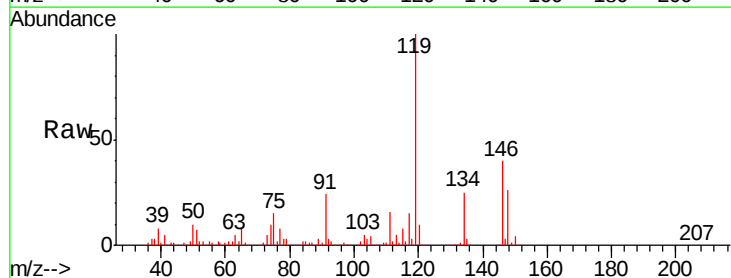
Tgt Ion:119 Resp: 357596

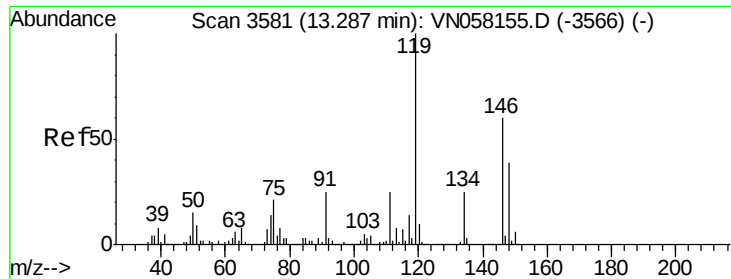
Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.0

91 24.3 12.3 36.8

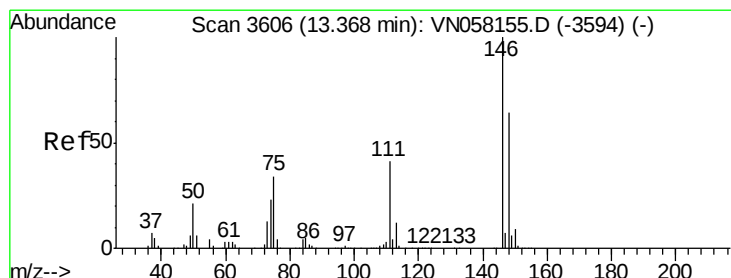
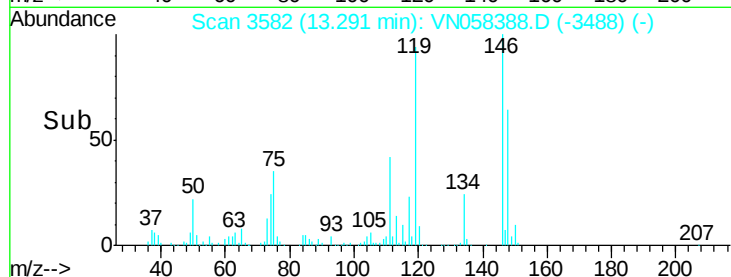
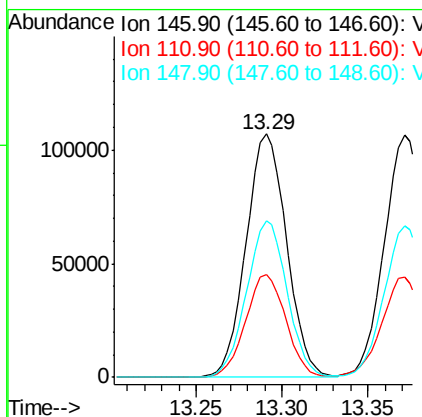
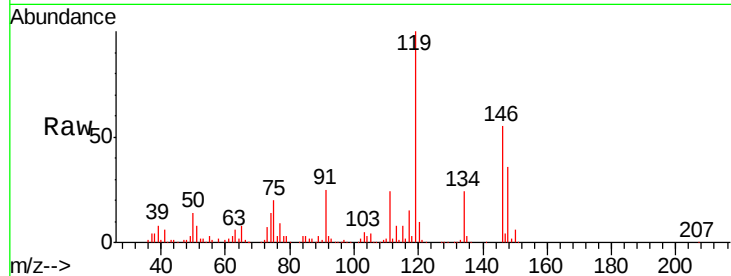




#87
 1,3-Dichlorobenzene
 Concen: 20.379 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

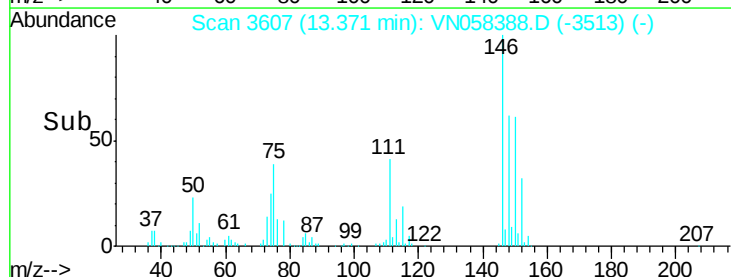
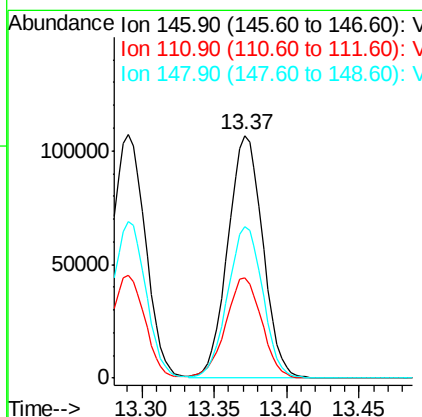
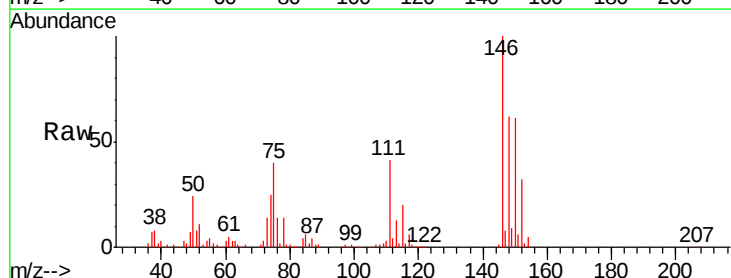
Instrument :
 MSVOA_N
 ClientSampleId :
 VN09216WBSD02

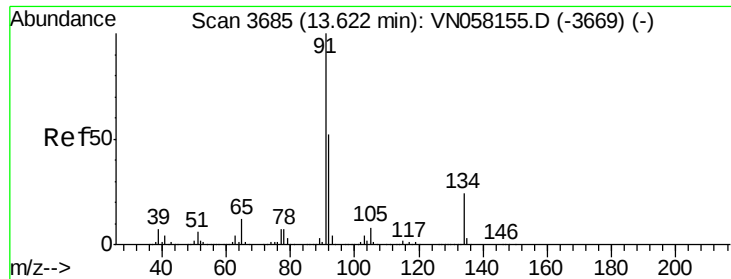
Tgt Ion:146 Resp: 175415
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.9 62.8
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.269 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058388.D
 Acq: 26 Sep 2019 16:04

Tgt Ion:146 Resp: 178120
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.5 61.5
 148 62.9 31.9 95.5





#89

n-Butylbenzene

Concen: 20.919 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

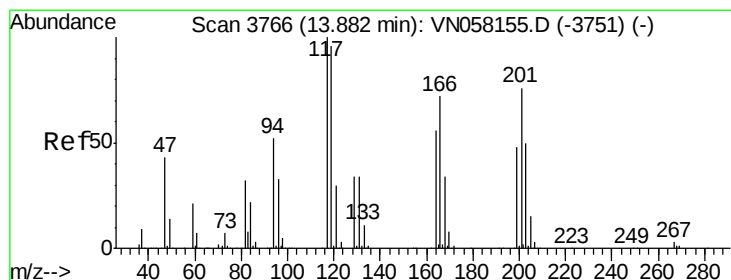
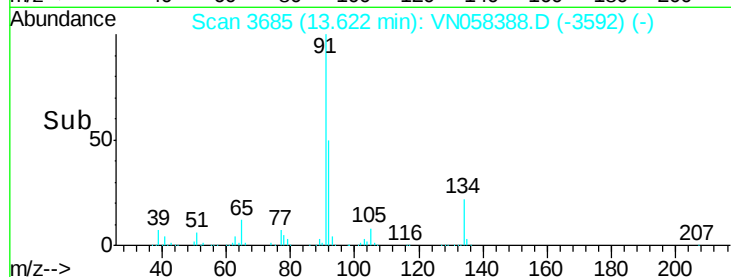
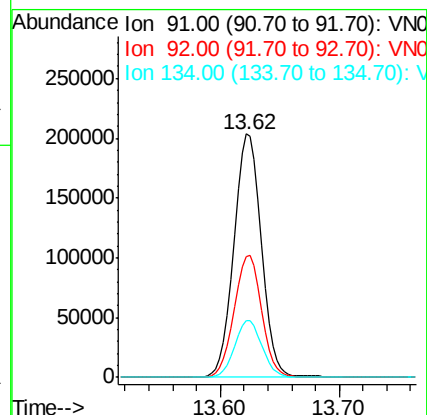
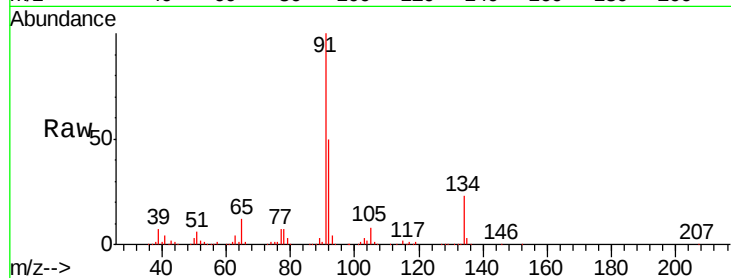
Tgt Ion: 91 Resp: 325749

Ion Ratio Lower Upper

91 100

92 50.1 25.7 77.0

134 23.2 11.8 35.4



#90

Hexachloroethane

Concen: 19.049 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.00 min

Lab File: VN058388.D

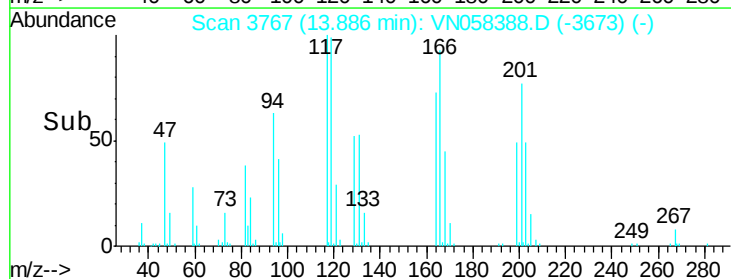
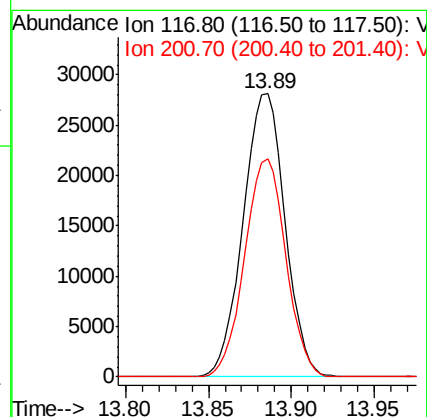
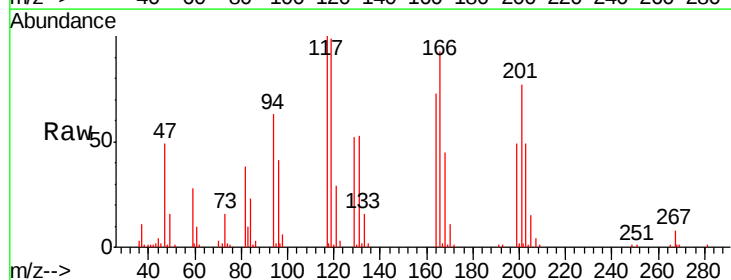
Acq: 26 Sep 2019 16:04

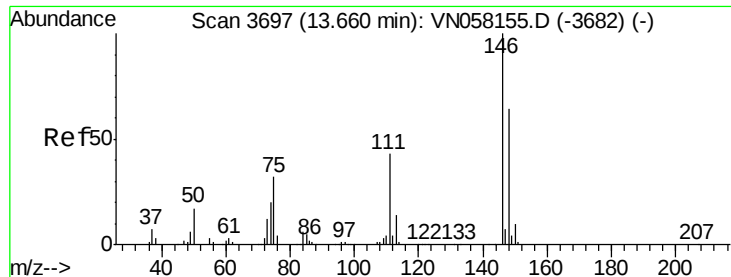
Tgt Ion: 117 Resp: 49532

Ion Ratio Lower Upper

117 100

201 75.5 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 21.052 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

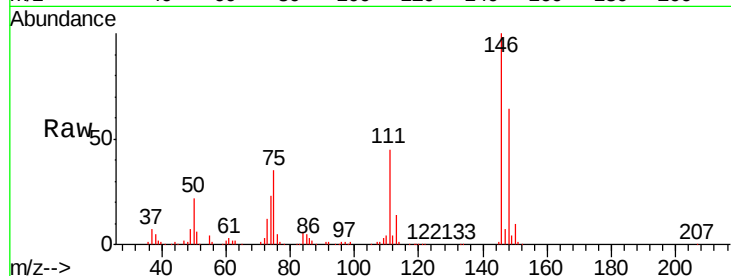
Tgt Ion:146 Resp: 181772

Ion Ratio Lower Upper

146 100

111 43.8 21.1 63.1

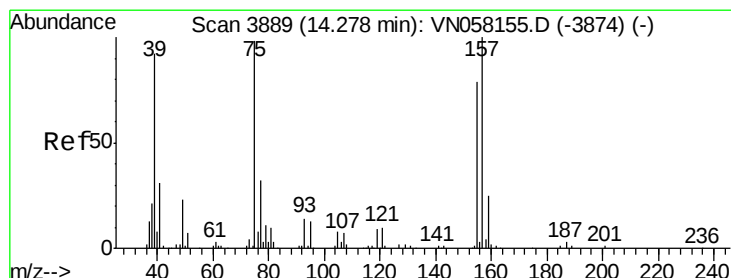
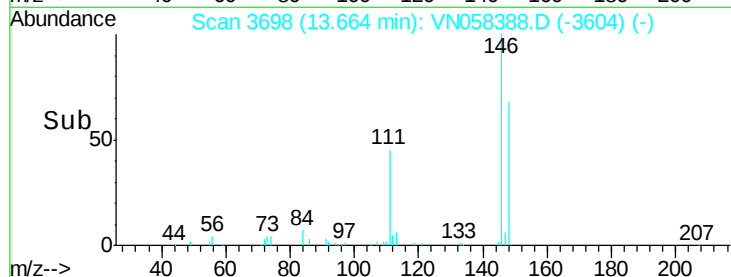
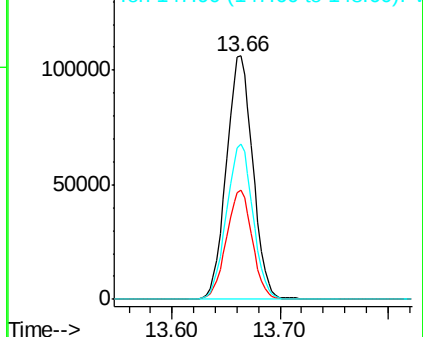
148 63.9 31.8 95.4



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.077 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

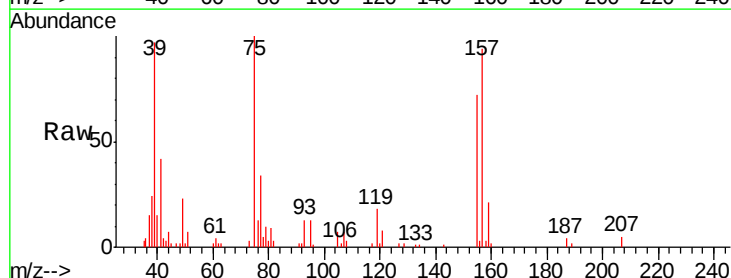
Tgt Ion: 75 Resp: 23807

Ion Ratio Lower Upper

75 100

155 74.3 38.3 114.8

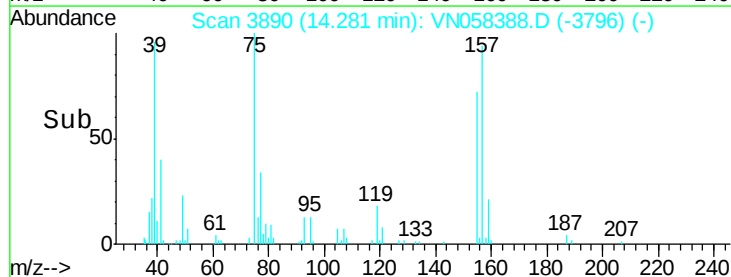
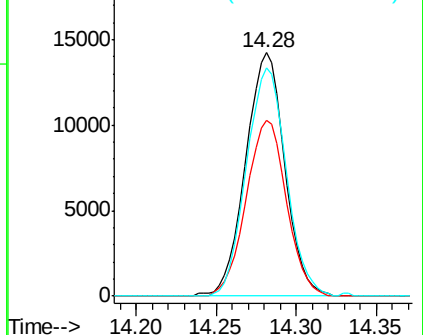
157 95.5 48.0 144.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.834 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

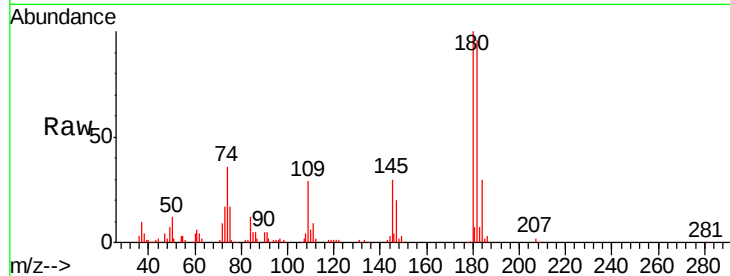
Tgt Ion:180 Resp: 114937

Ion Ratio Lower Upper

180 100

182 96.2 47.8 143.3

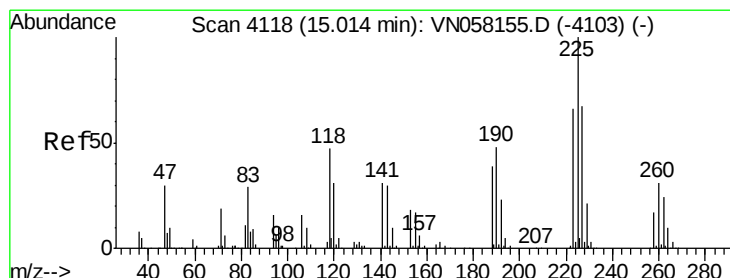
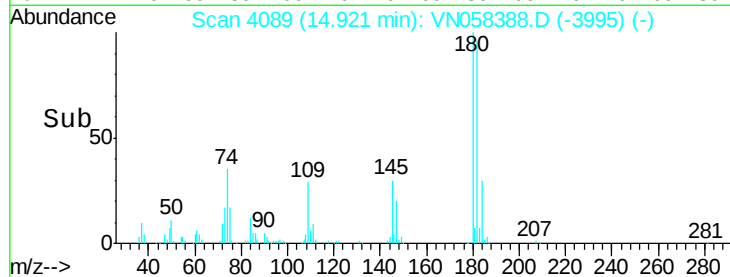
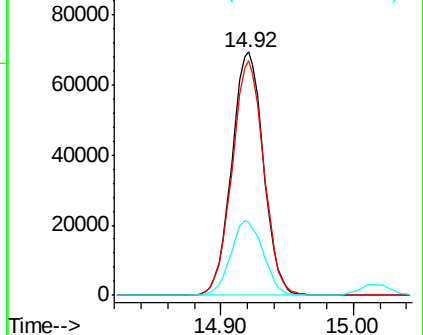
145 31.3 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.081 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

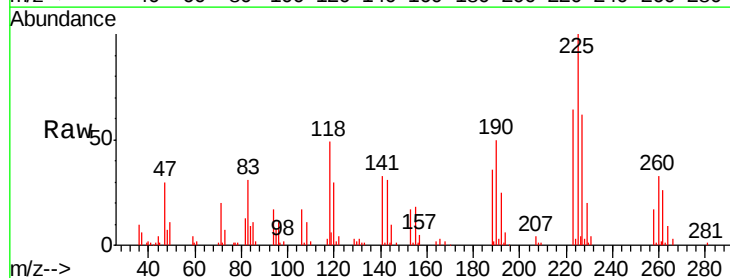
Tgt Ion:225 Resp: 53546

Ion Ratio Lower Upper

225 100

223 62.6 32.6 97.7

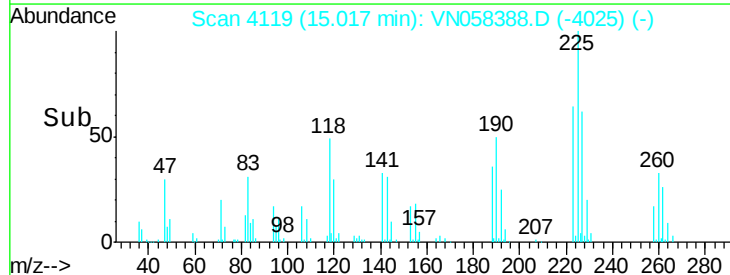
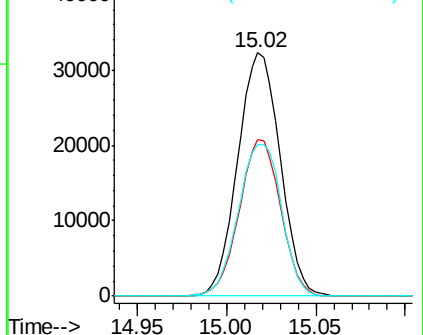
227 63.8 33.0 99.0

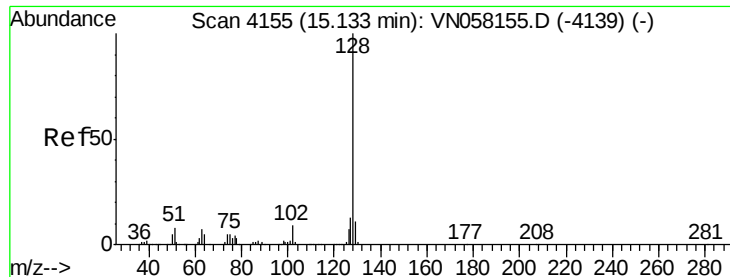


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 24.828 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN09216WBSD02

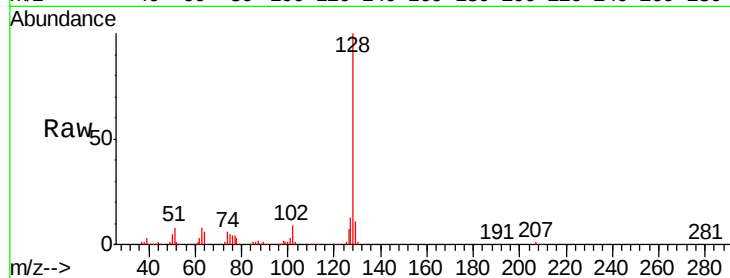
Tgt Ion:128 Resp: 354972

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

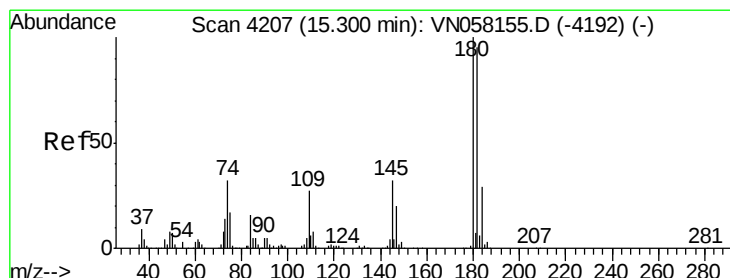
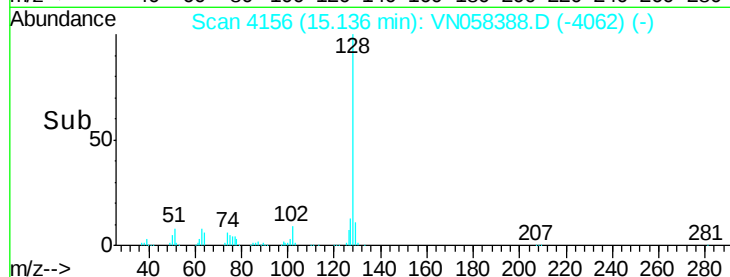
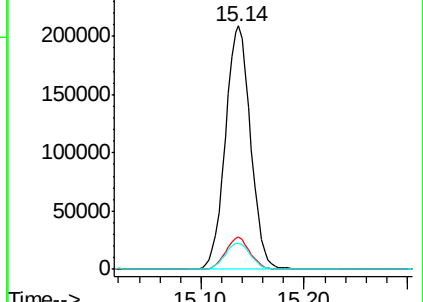
129 10.8 8.6 12.8



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: 21.041 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058388.D

Acq: 26 Sep 2019 16:04

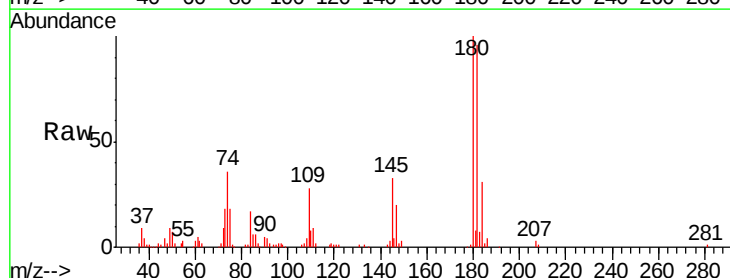
Tgt Ion:180 Resp: 109717

Ion Ratio Lower Upper

180 100

182 96.1 47.4 142.2

145 32.6 16.1 48.2



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

