

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056570.D
 Acq On : 1 Jul 2019 14:24
 Operator : JC/SP
 Sample : VN0701WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Quant Time: Jul 02 01:07:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	321886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	440882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155399	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	186103	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
35) Dibromofluoromethane	7.59	113	160773	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	10.09	98	592550	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.40	95	189431	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	50583	18.559	ug/l	100
3) Chloromethane	2.06	50	66703	17.974	ug/l	99
4) Vinyl Chloride	2.18	62	66207	18.471	ug/l	100
5) Bromomethane	2.53	94	40238	19.149	ug/l	99
6) Chloroethane	2.68	64	39111	18.842	ug/l	97
7) Trichlorofluoromethane	3.00	101	89094	19.215	ug/l	100
8) Diethyl Ether	3.41	74	37943	19.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	58928	19.929	ug/l	99
10) Methyl Iodide	3.95	142	72608	18.169	ug/l	98
11) Tert butyl alcohol	4.80	59	61651	102.605	ug/l	98
12) 1,1-Dichloroethene	3.73	96	52488	18.459	ug/l	98
13) Acrolein	3.61	56	24439	48.259	ug/l	98
14) Allyl chloride	4.32	41	93172	19.684	ug/l	99
15) Acrylonitrile	4.99	53	172902	104.016	ug/l	98
16) Acetone	3.82	43	147925	82.762	ug/l	99
17) Carbon Disulfide	4.05	76	100132	15.482	ug/l	100
18) Methyl Acetate	4.33	43	81844	22.909	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	188086	19.990	ug/l	98
20) Methylene Chloride	4.55	84	68569	19.813	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	57158	18.644	ug/l	97
22) Diisopropyl ether	5.95	45	205828	20.705	ug/l	99
23) Vinyl Acetate	5.90	43	817503	104.266	ug/l	100
24) 1,1-Dichloroethane	5.85	63	117182	20.536	ug/l	99
25) 2-Butanone	6.84	43	232895	98.451	ug/l	100
26) 2,2-Dichloropropane	6.83	77	76785	19.347	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	72674	20.262	ug/l	99
28) Bromochloromethane	7.19	49	57850	20.496	ug/l	100
29) Tetrahydrofuran	7.21	42	156832	108.488	ug/l	98
30) Chloroform	7.37	83	116396	20.672	ug/l	100
31) Cyclohexane	7.65	56	98178	17.822	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	91678	20.541	ug/l	98
36) 1,1-Dichloropropene	7.79	75	81188	18.344	ug/l	100
37) Ethyl Acetate	6.93	43	93109	21.407	ug/l	98
38) Carbon Tetrachloride	7.77	117	73927	19.101	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	92279	16.897	ug/l	96
40) Benzene	8.04	78	259105	19.032	ug/l	98
41) Methacrylonitrile	7.21	41	136058	70.840	ug/l #	12
42) 1,2-Dichloroethane	8.12	62	90019	20.036	ug/l	100
43) Isopropyl Acetate	8.17	43	135916	20.266	ug/l #	93
44) Trichloroethene	8.84	130	67975	18.536	ug/l	100
45) 1,2-Dichloropropane	9.12	63	72682	19.963	ug/l	98
46) Dibromomethane	9.21	93	47311	20.770	ug/l	98
47) Bromodichloromethane	9.40	83	83295	20.618	ug/l	99
48) Methyl methacrylate	9.20	41	66109	19.670	ug/l	96
49) 1,4-Dioxane	9.20	88	26984	386.890	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	445109	102.825	ug/l	100
52) Toluene	10.16	92	159007	19.104	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	80520	19.014	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	96571	19.850	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	69644	20.817	ug/l	99
56) Ethyl methacrylate	10.43	69	97694	19.981	ug/l	99
57) 1,3-Dichloropropane	10.71	76	113916	20.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	130091	74.063	ug/l	99
59) 2-Hexanone	10.75	43	316313	99.422	ug/l	98
60) Dibromochloromethane	10.90	129	62364	19.653	ug/l	99
61) 1,2-Dibromoethane	11.00	107	69093	20.220	ug/l	99
64) Tetrachloroethene	10.63	164	67762	19.408	ug/l	99
65) Chlorobenzene	11.43	112	172483	19.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	62658	20.927	ug/l	97
67) Ethyl Benzene	11.51	91	295054	18.968	ug/l	100
68) m/p-Xylenes	11.62	106	215208	37.752	ug/l	100
69) o-Xylene	11.95	106	107009	18.974	ug/l	99
70) Styrene	11.96	104	171789	19.057	ug/l	99
71) Bromoform	12.13	173	41005	19.052	ug/l #	99
73) Isopropylbenzene	12.25	105	285863	23.042	ug/l	99
74) N-amyl acetate	12.07	43	107172	21.670	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	94233	24.511	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	106267	32.979	ug/l #	100
77) Bromobenzene	12.53	156	72491	20.862	ug/l	98
78) n-propylbenzene	12.59	91	288685	20.286	ug/l	98
79) 2-Chlorotoluene	12.67	91	186565	22.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	223896	21.611	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19890	21.939	ug/l	95
82) 4-Chlorotoluene	12.77	91	164545	19.583	ug/l	100
83) tert-Butylbenzene	12.99	119	208990	23.035	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	204484	19.547	ug/l	99
85) sec-Butylbenzene	13.17	105	253804	20.291	ug/l	100
86) p-Isopropyltoluene	13.29	119	202967	18.908	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	102238	19.415	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93322	18.299	ug/l	98
89) n-Butylbenzene	13.61	91	134516	16.553	ug/l	99
90) Hexachloroethane	13.87	117	36867	22.029	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	101425	19.414	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11940	20.765	ug/l	97

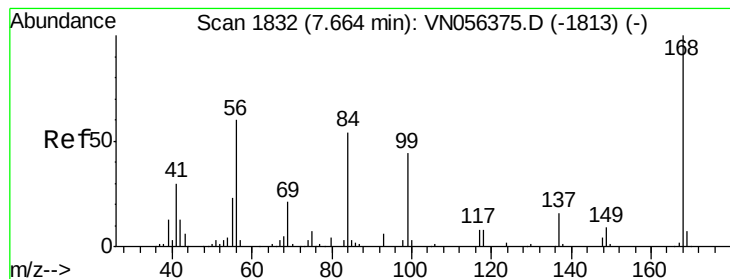
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27397	14.553	ug/l	92
94) Hexachlorobutadiene	15.01	225	37568	20.096	ug/l	97
95) Naphthalene	15.13	128	81861	15.550	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	33788	15.393	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

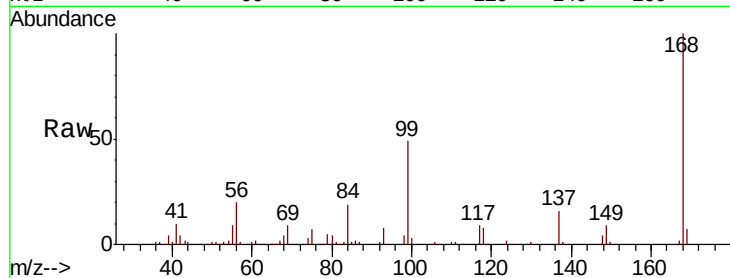
VN0701WBSD01

Tot Ion:168 Resp: 321886

Ion Ratio Lower Upper

168 100

99 48.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.67

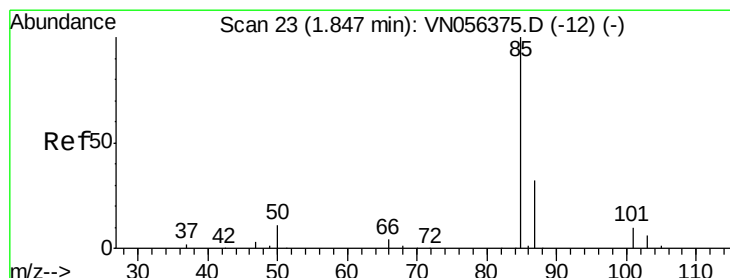
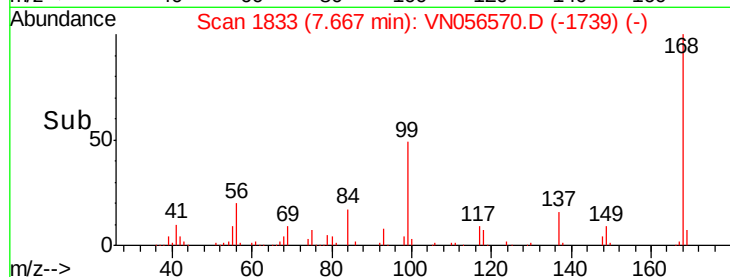
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.559 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056570.D

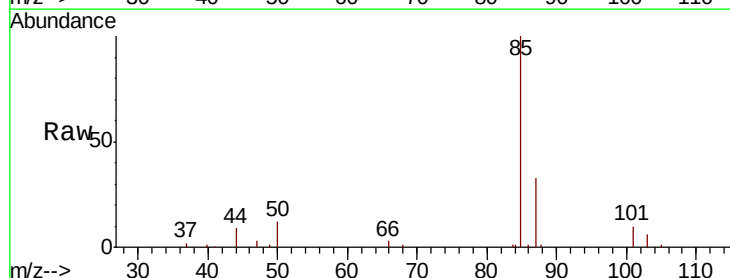
Acq: 1 Jul 2019 14:24

Tgt Ion: 85 Resp: 50583

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056375.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056375.D (-12) (-)

1.85

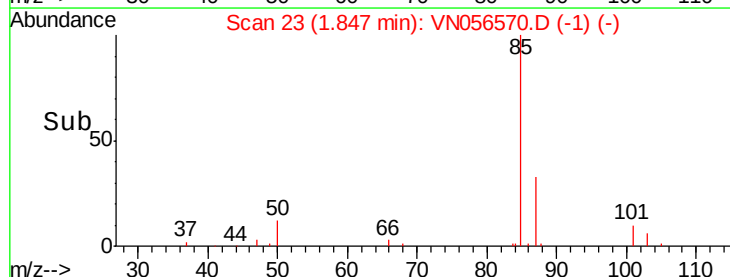
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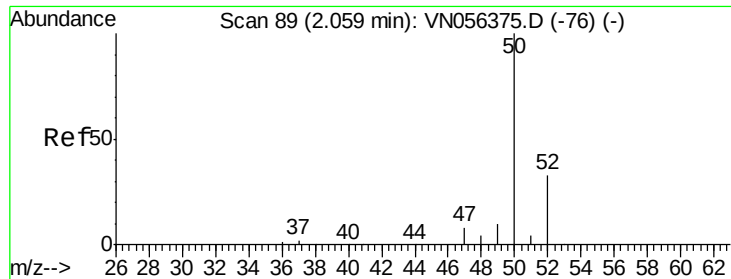
20000

10000

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Time-->





#3

Chloromethane

Concen: 17.974 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

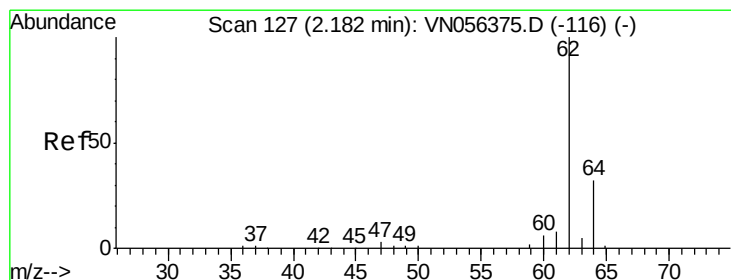
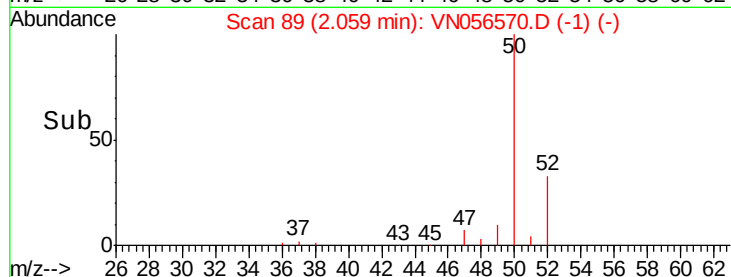
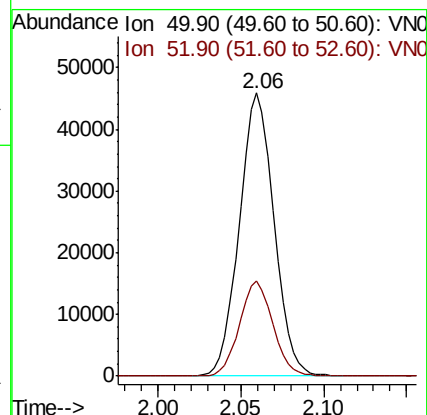
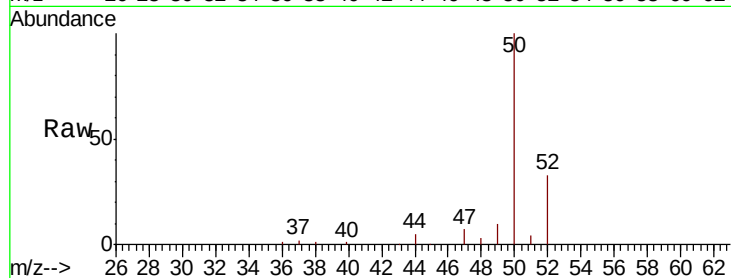
VN0701WBSD01

Tot Ion: 50 Resp: 66703

Ion Ratio Lower Upper

50 100

52 33.5 26.5 39.7



#4

Vinyl Chloride

Concen: 18.471 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056570.D

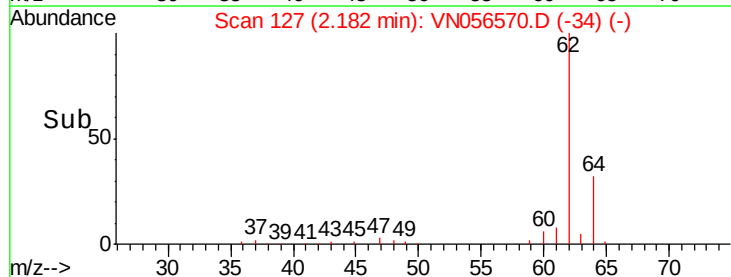
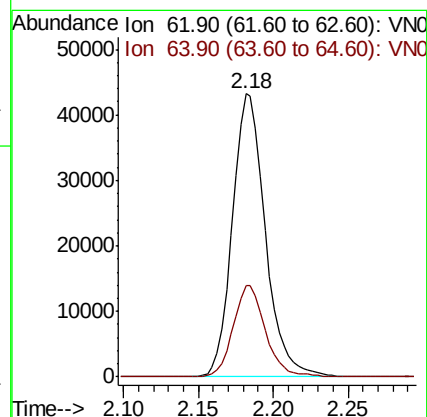
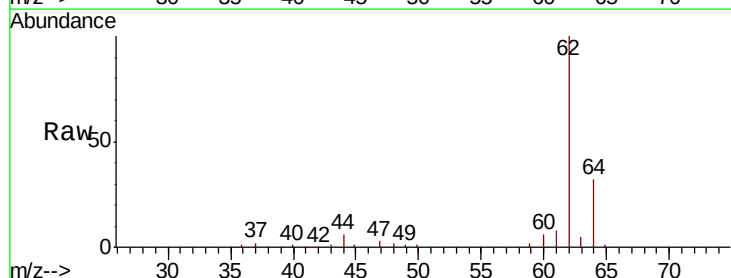
Acq: 1 Jul 2019 14:24

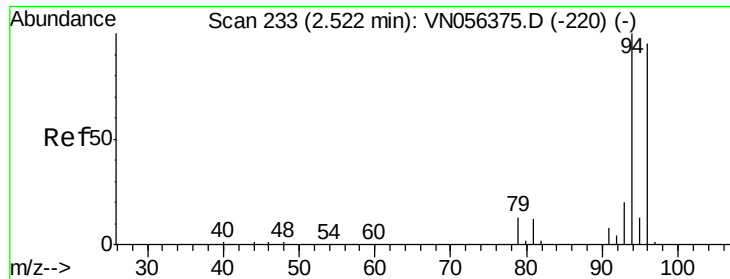
Tgt Ion: 62 Resp: 66207

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5

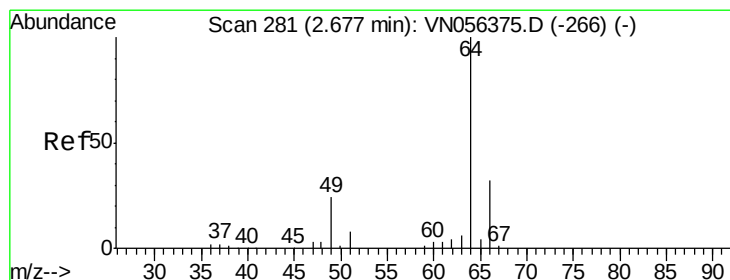
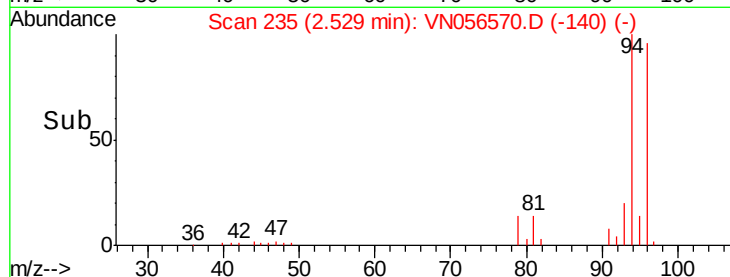
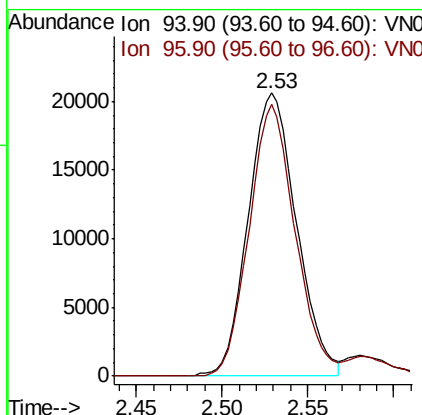
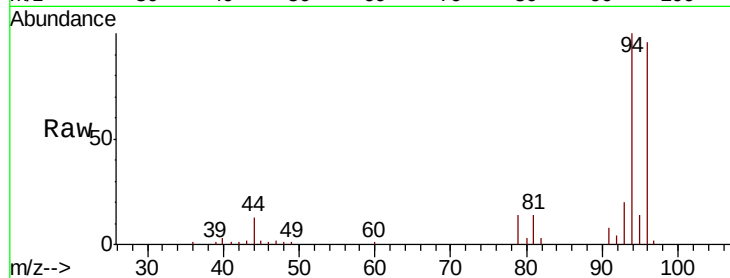




#5
Bromomethane
Concen: 19.149 ug/l
RT: 2.53 min Scan# 235
Delta R.T. 0.01 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

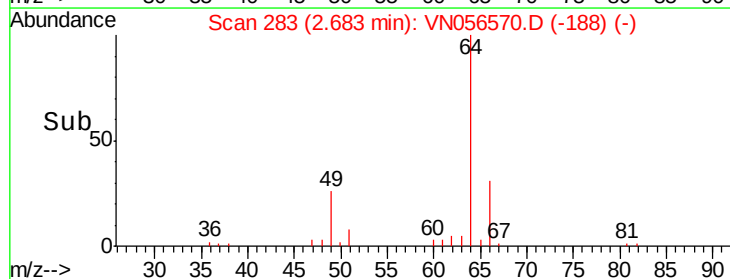
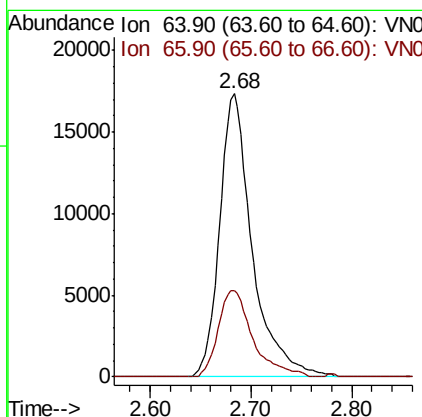
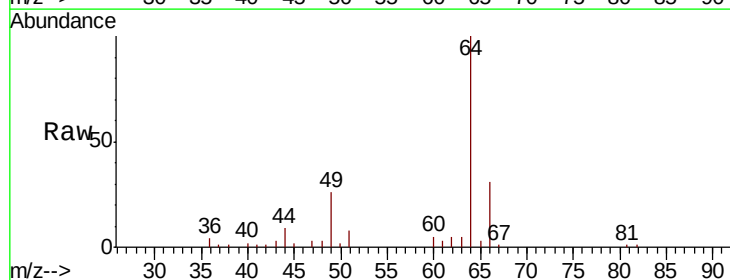
Instrument :
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VN0701WBSD01

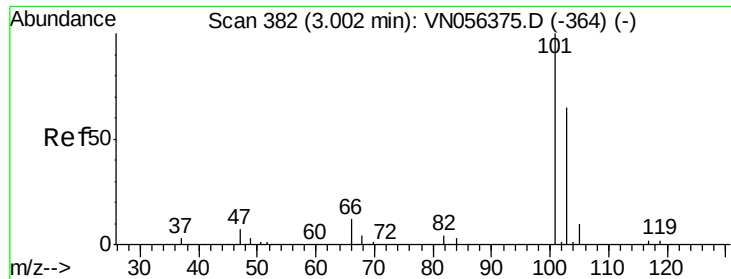
Tot Ion: 94 Resp: 40238
Ion Ratio Lower Upper
94 100
96 95.9 76.0 114.0



#6
Chloroethane
Concen: 18.842 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.01 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 64 Resp: 39111
Ion Ratio Lower Upper
64 100
66 30.6 25.8 38.8



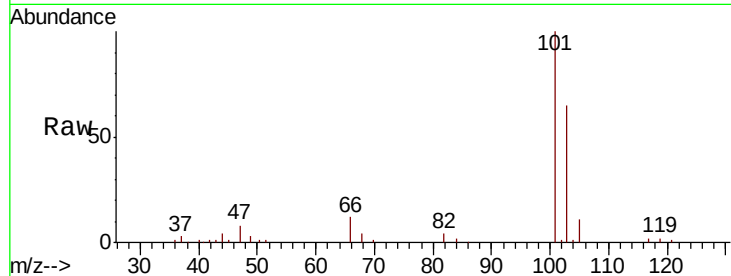


#7

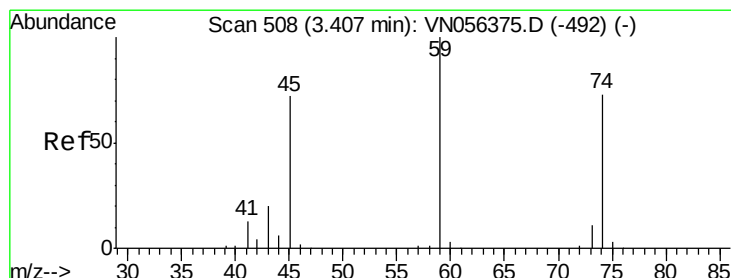
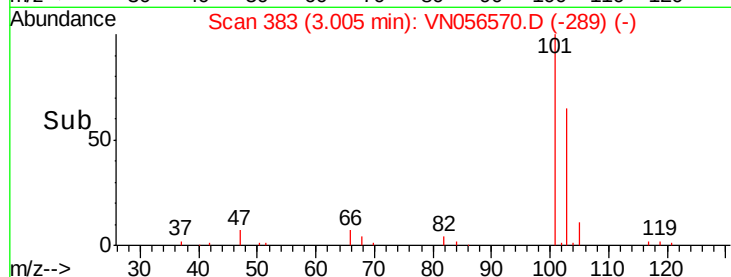
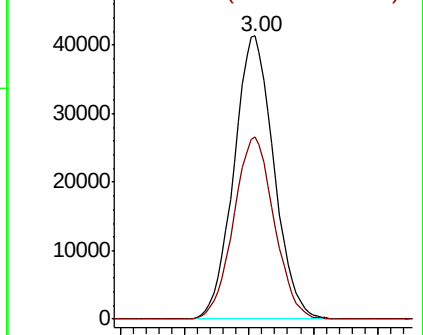
Trichlorofluoromethane
 Concen: 19.215 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion:101 Resp: 89094
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.7 77.5



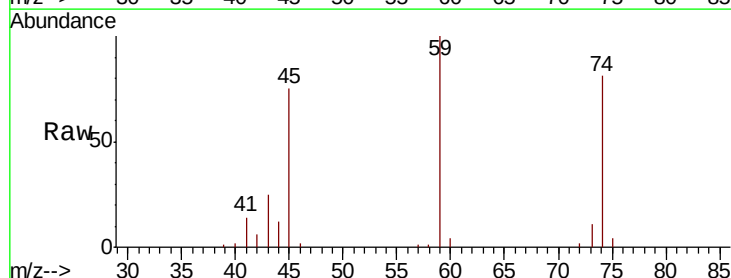
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



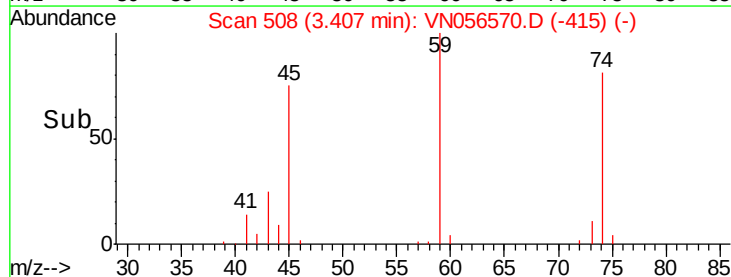
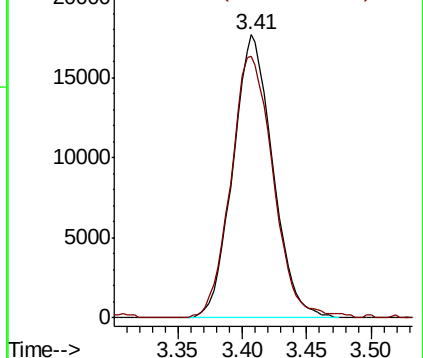
#8

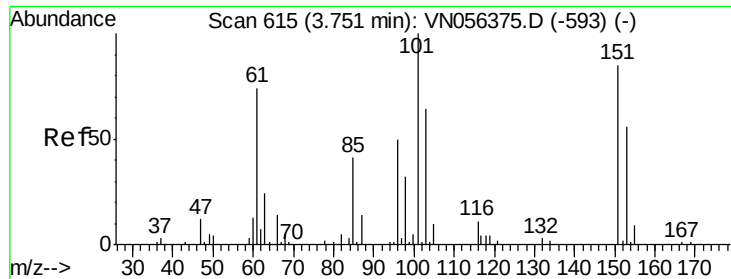
Diethyl Ether
 Concen: 19.336 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion: 74 Resp: 37943
 Ion Ratio Lower Upper
 74 100
 45 98.6 48.9 146.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.929 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

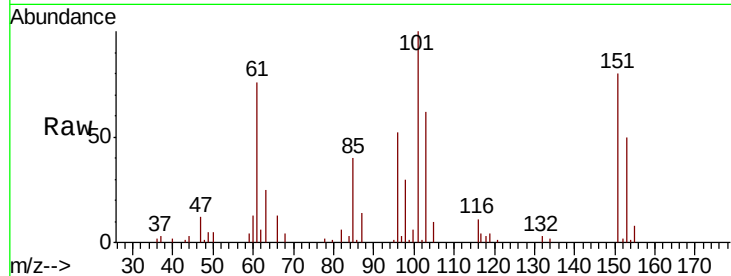
Tot Ion:101 Resp: 58928

Ion Ratio Lower Upper

101 100

85 41.1 32.7 49.1

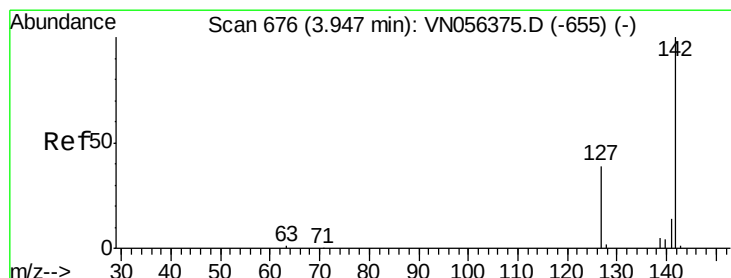
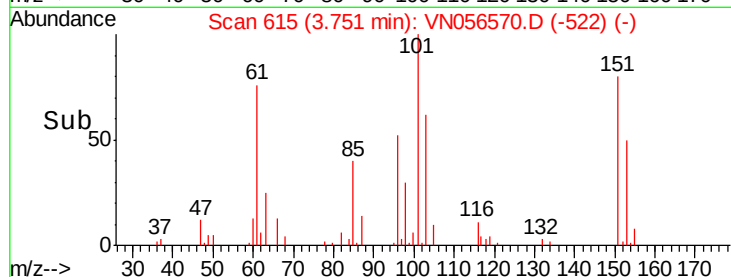
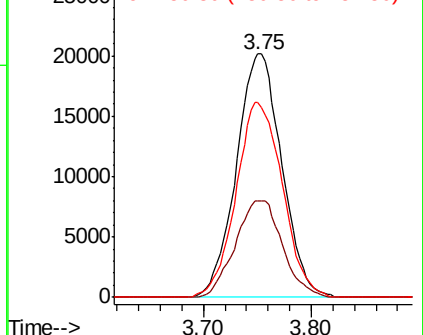
151 81.9 66.8 100.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.169 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

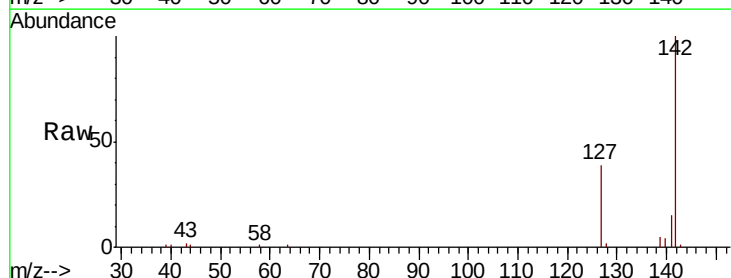
Tgt Ion:142 Resp: 72608

Ion Ratio Lower Upper

142 100

127 39.7 30.6 46.0

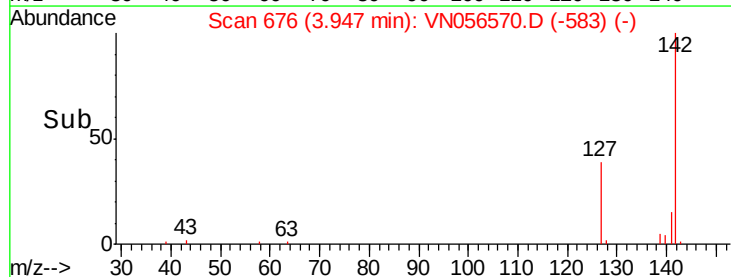
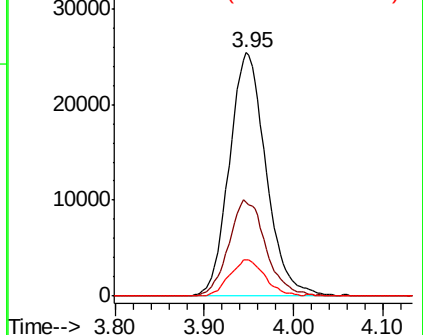
141 14.4 11.4 17.2

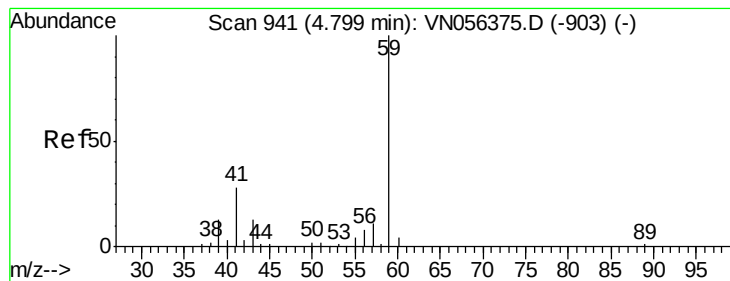


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



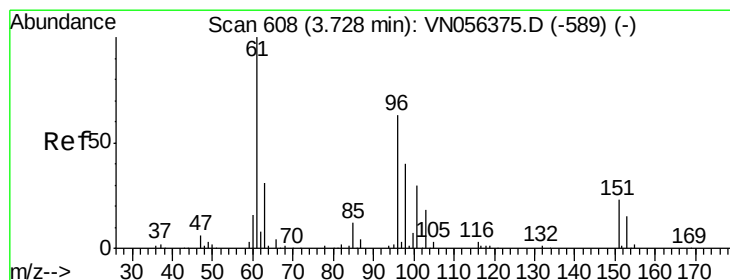
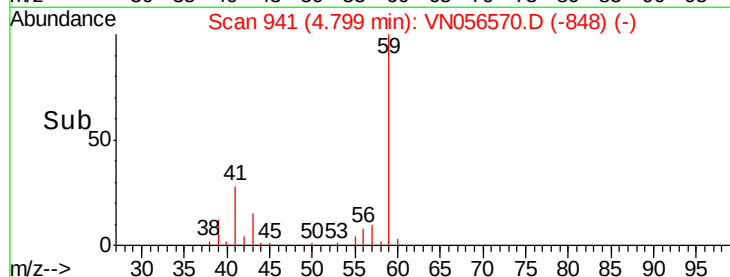
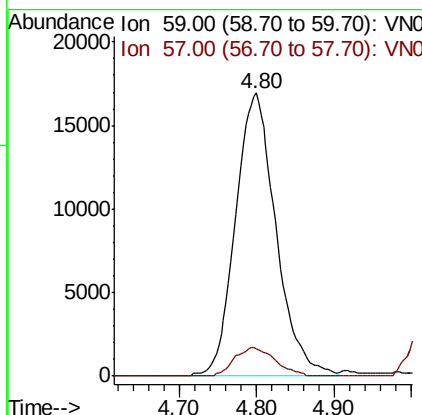
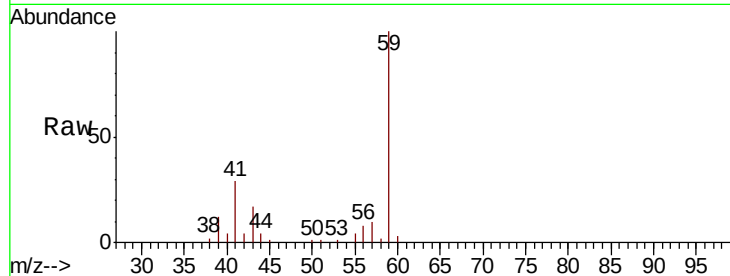


#11

Tert butyl alcohol
 Concen: 102.605 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

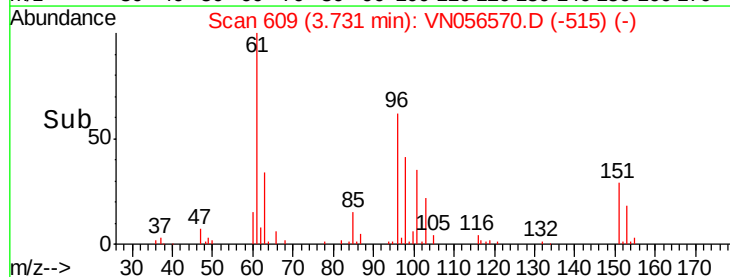
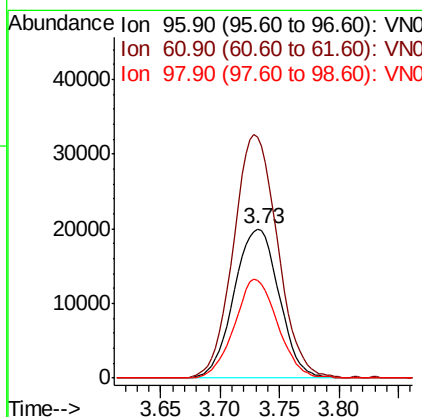
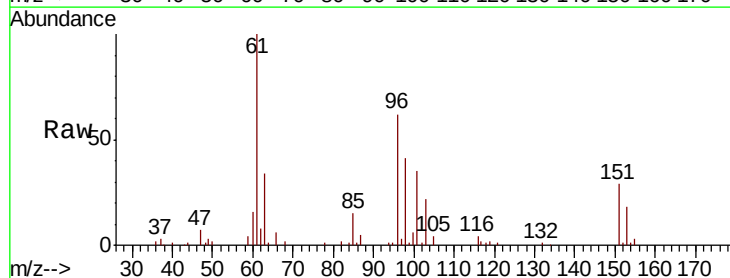
Tot Ion: 59 Resp: 61651
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.6 11.4

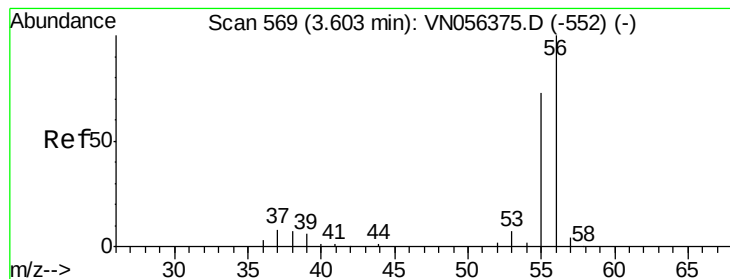


#12

1,1-Dichloroethene
 Concen: 18.459 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion: 96 Resp: 52488
 Ion Ratio Lower Upper
 96 100
 61 161.5 126.6 190.0
 98 65.7 51.1 76.7





#13

Acrolein

Concen: 48.259 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

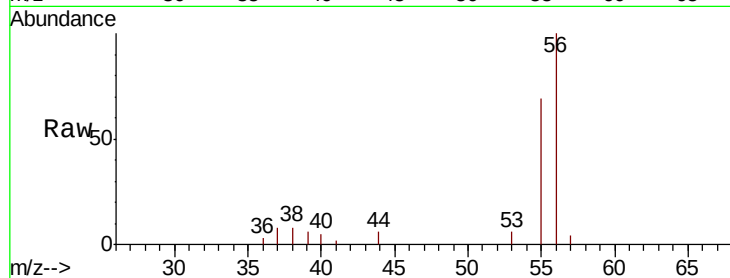
VN0701WBSD01

Tot Ion: 56 Resp: 24439

Ion Ratio Lower Upper

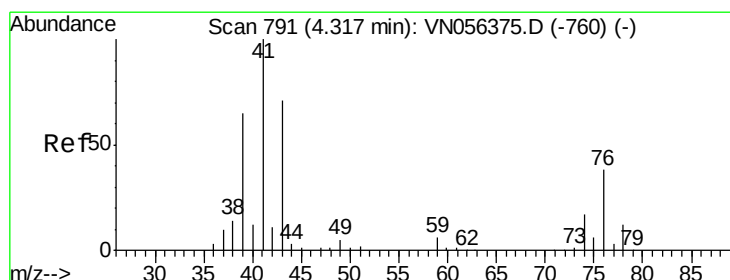
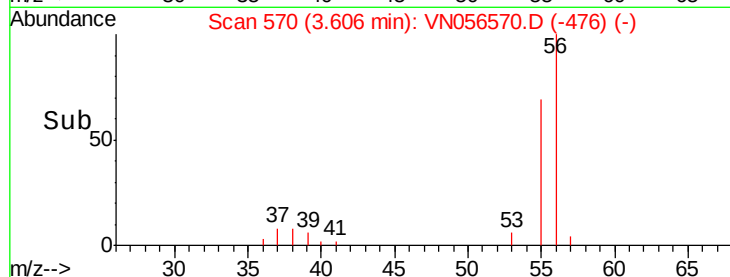
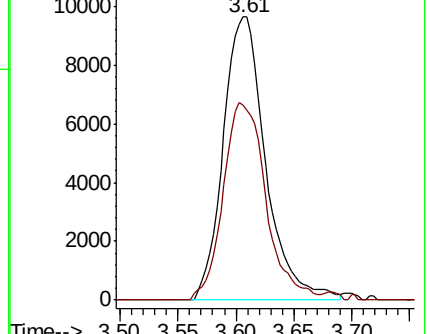
56 100

55 70.1 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.684 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

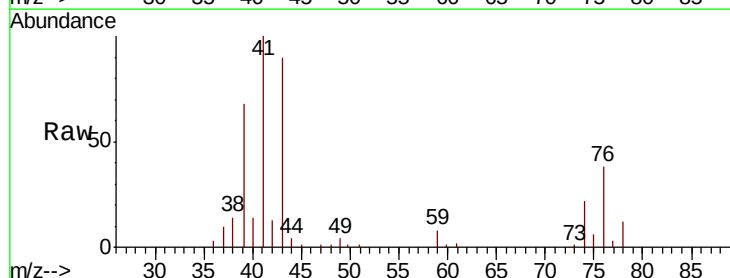
Tgt Ion: 41 Resp: 93172

Ion Ratio Lower Upper

41 100

39 60.6 48.6 73.0

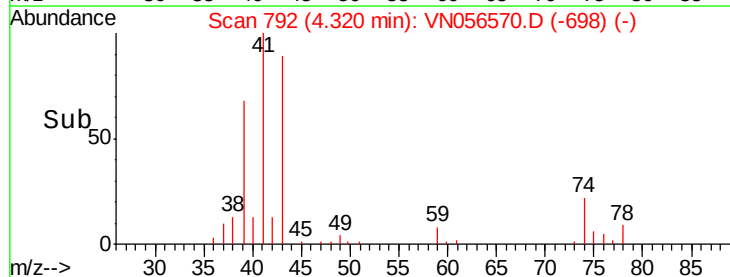
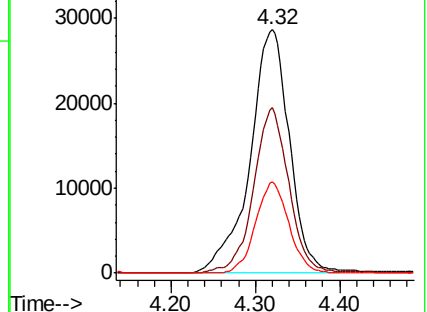
76 31.6 26.6 40.0

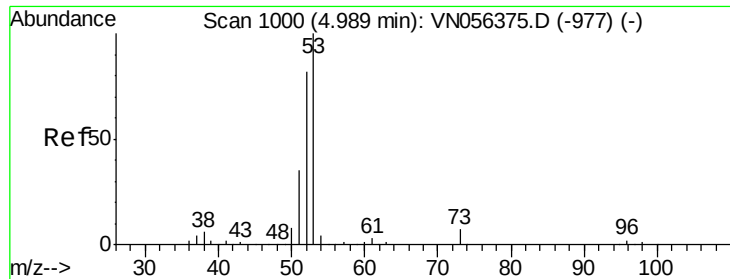


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



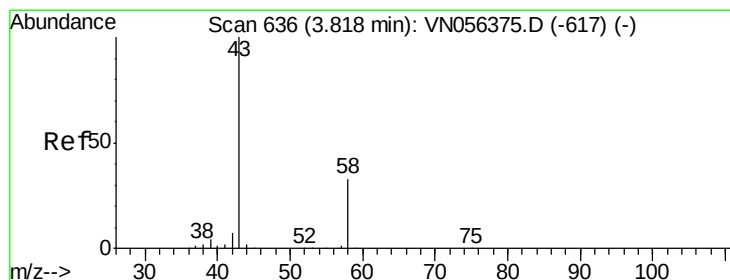
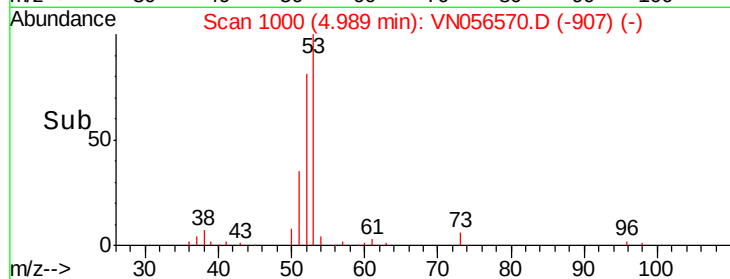
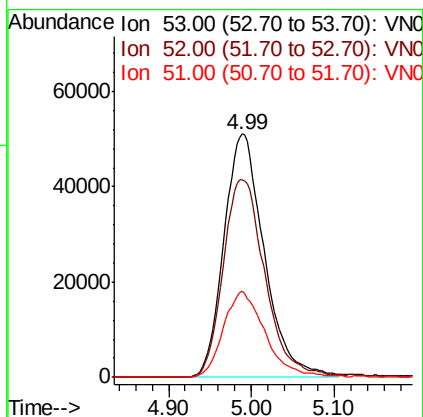
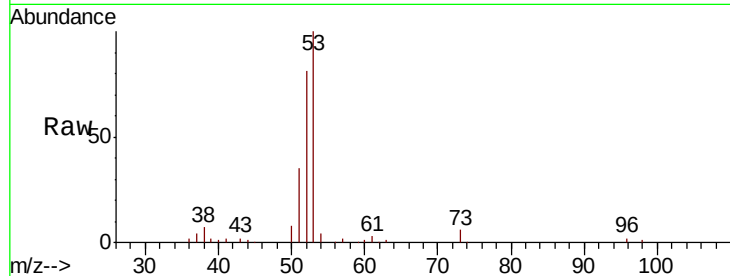


#15
 Acrylonitrile
 Concen: 104.016 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion: 53 Resp: 172902

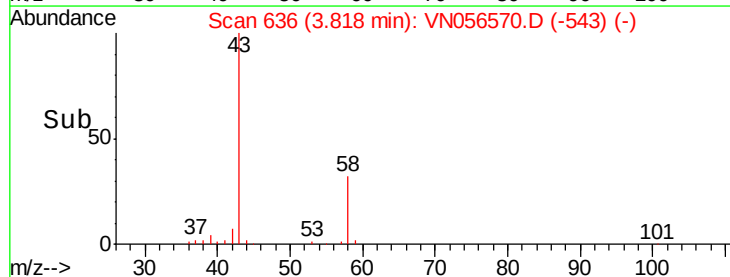
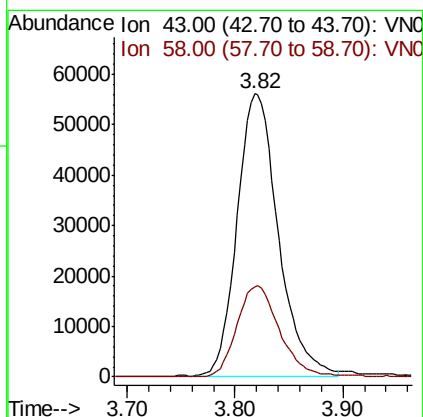
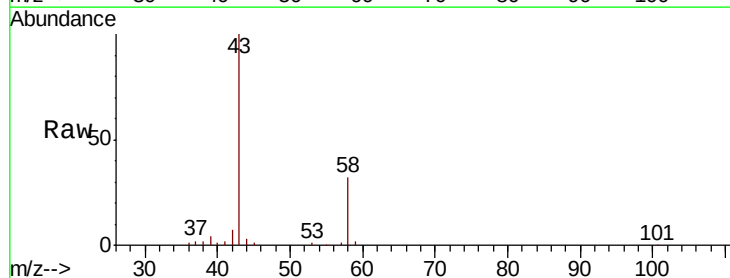
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.9	98.9
51	36.4	28.3	42.5

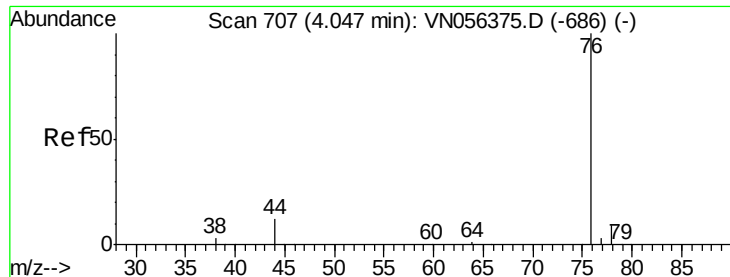


#16
 Acetone
 Concen: 82.762 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion: 43 Resp: 147925

Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.4	39.6

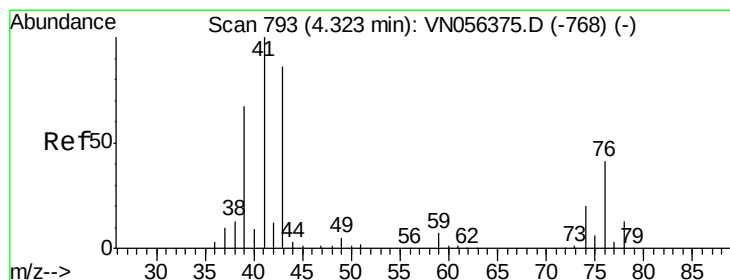
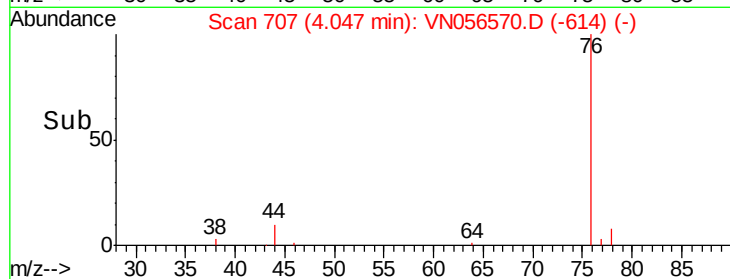
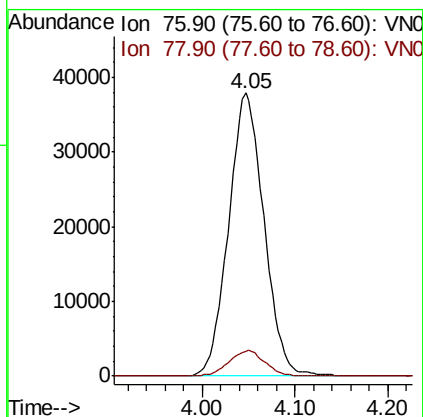
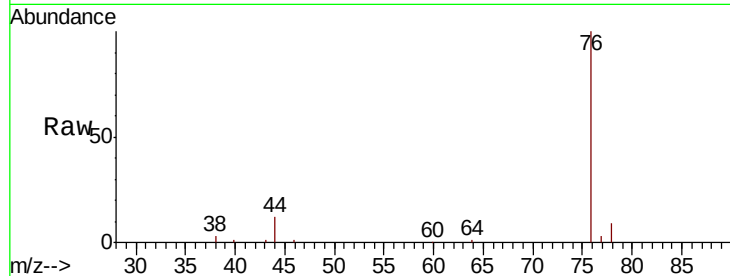




#17
Carbon Disulfide
Concen: 15.482 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

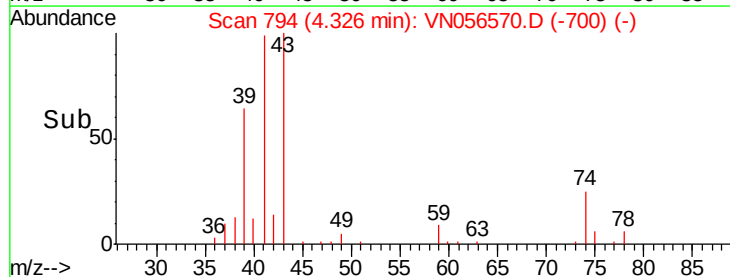
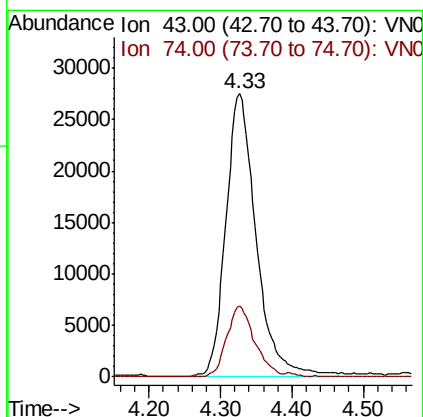
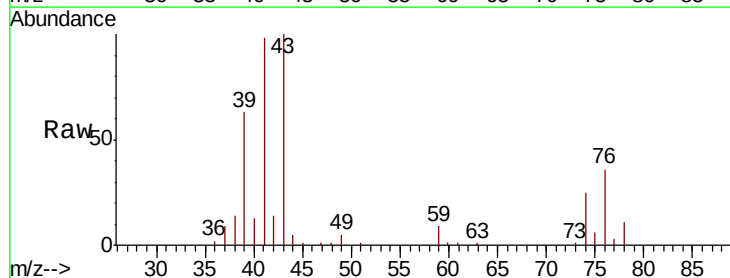
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

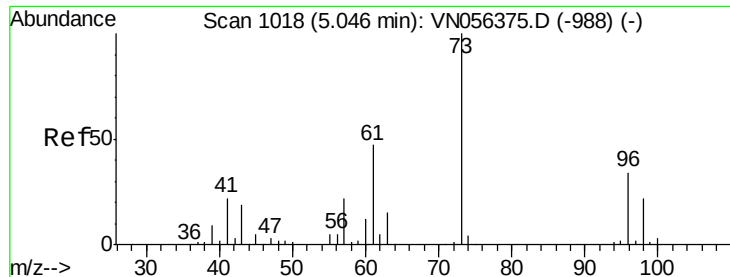
Tot Ion: 76 Resp: 100132
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 22.909 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 43 Resp: 81844
Ion Ratio Lower Upper
43 100
74 22.9 19.2 28.8

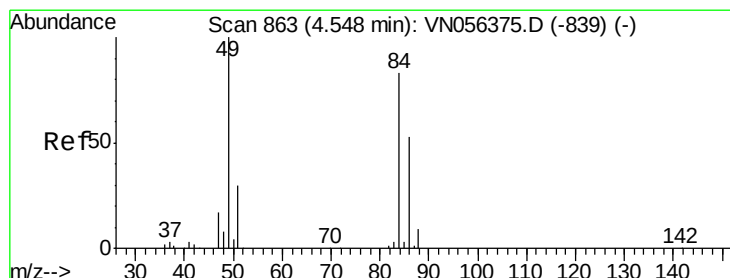
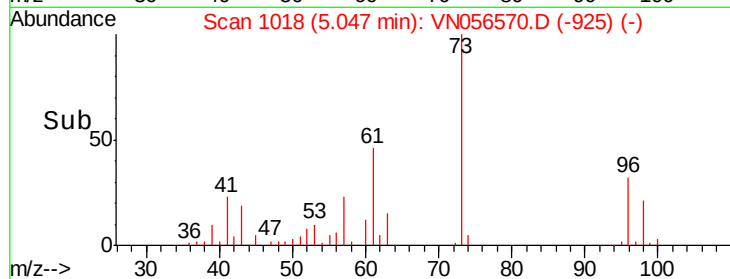
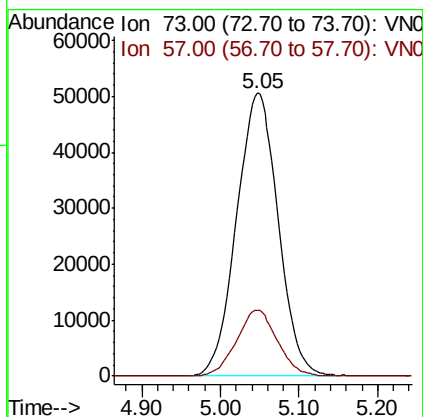
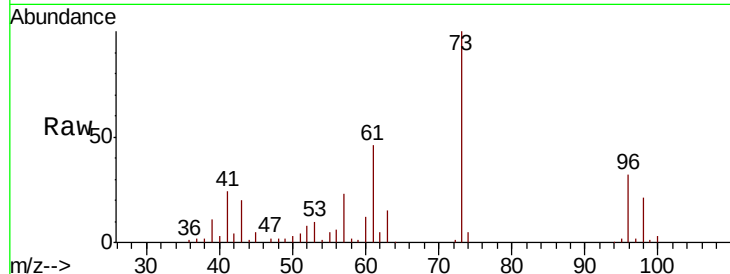




#19
Methvl tert-butvl Ether
Concen: 19.990 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

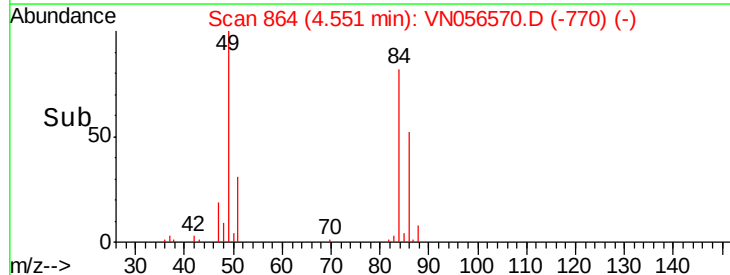
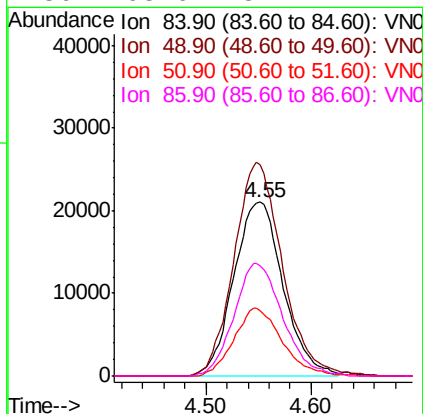
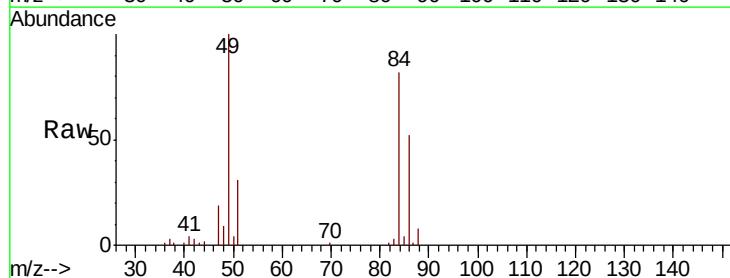
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

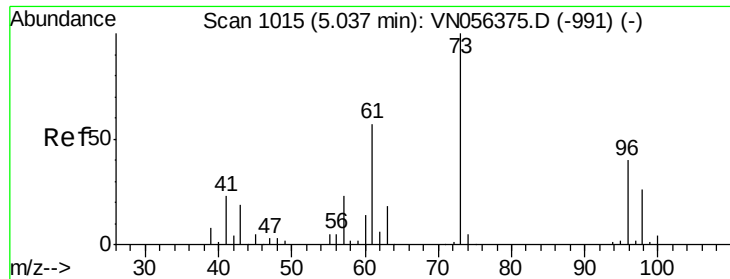
Tot Ion: 73 Resp: 188086
Ion Ratio Lower Upper
73 100
57 23.4 17.9 26.9



#20
Methylene Chloride
Concen: 19.813 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 84 Resp: 68569
Ion Ratio Lower Upper
84 100
49 121.6 96.4 144.6
51 37.7 28.6 43.0
86 63.6 51.4 77.2

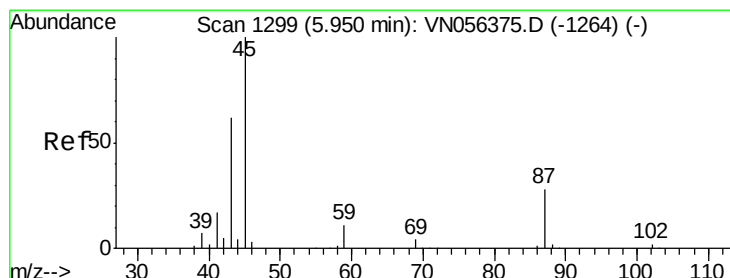
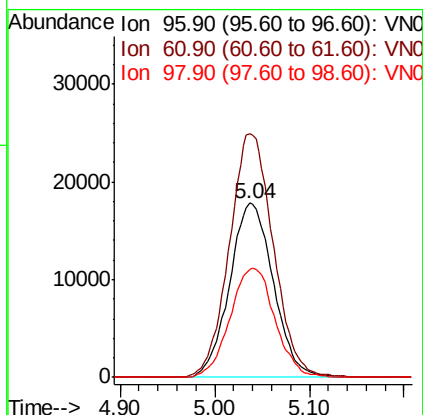
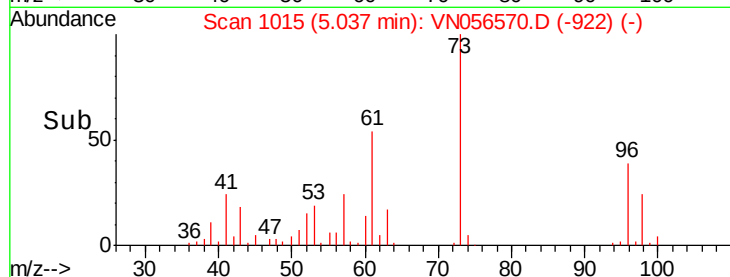
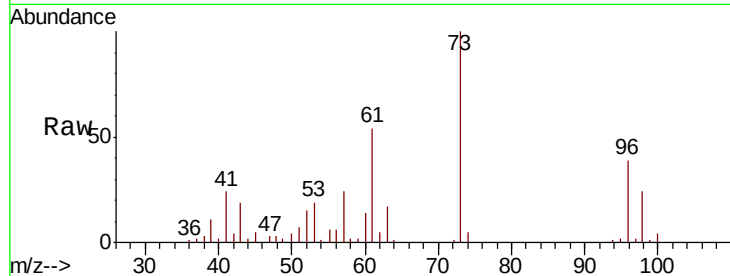




#21
trans-1,2-Dichloroethene
Concen: 18.644 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

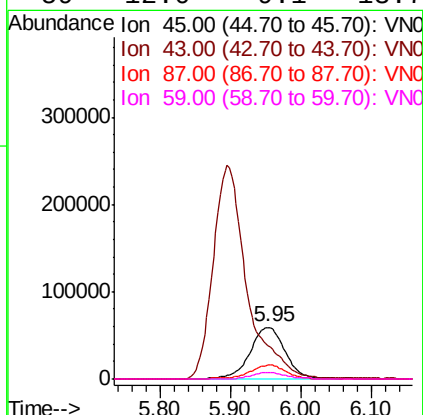
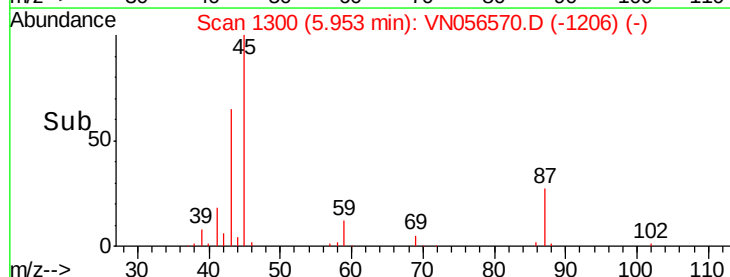
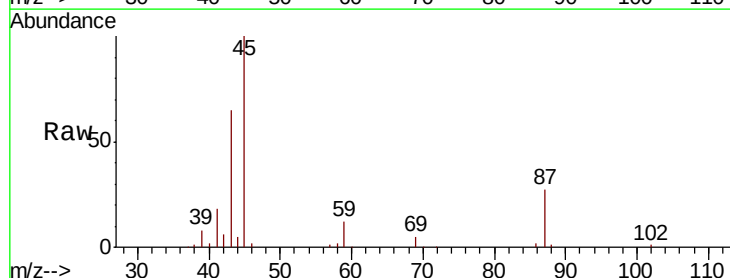
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

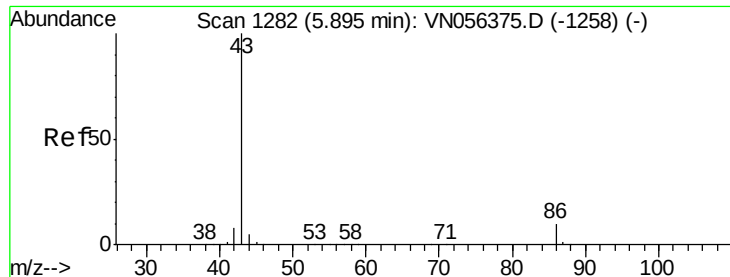
Tot Ion: 96 Resp: 57158
Ion Ratio Lower Upper
96 100
61 138.8 113.0 169.6
98 61.7 52.2 78.2



#22
Diisopropyl ether
Concen: 20.705 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 45 Resp: 205828
Ion Ratio Lower Upper
45 100
43 63.1 50.4 75.6
87 26.4 23.0 34.4
59 12.0 9.1 13.7





#23

Vinyl Acetate

Concen: 104.266 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleID :

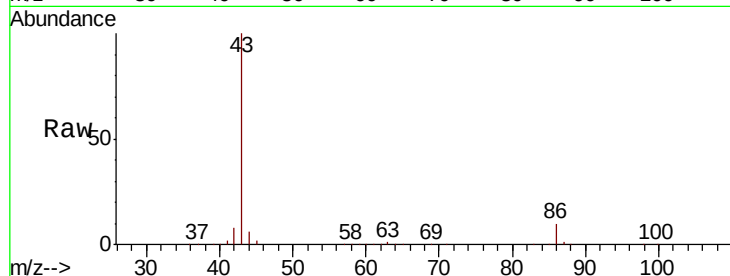
VN0701WBSD01

Tot Ion: 43 Resp: 817503

Ion Ratio Lower Upper

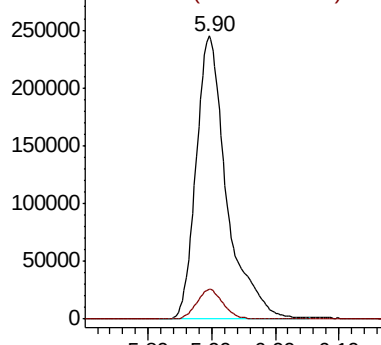
43 100

86 10.4 8.3 12.5

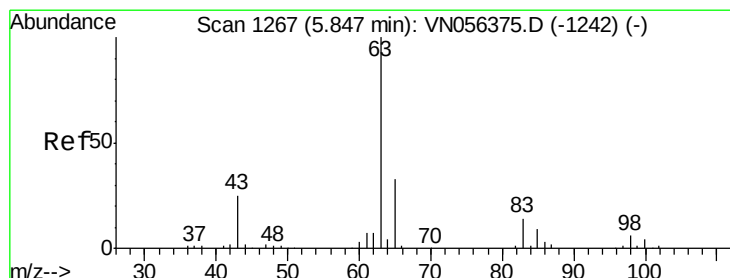
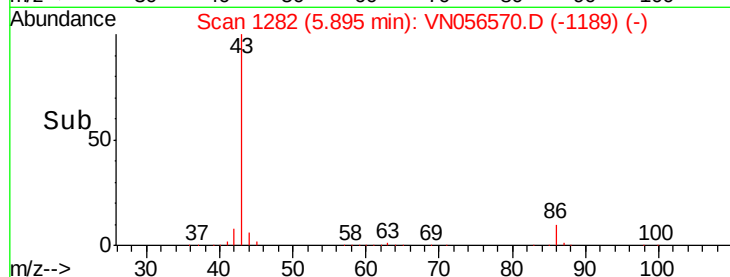


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.536 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

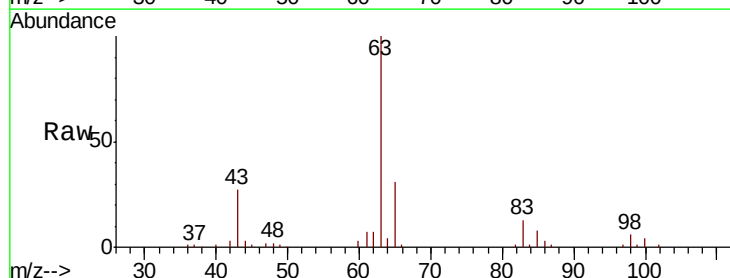
Tgt Ion: 63 Resp: 117182

Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

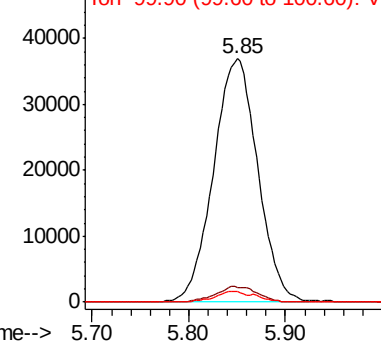
100 4.3 2.1 6.5



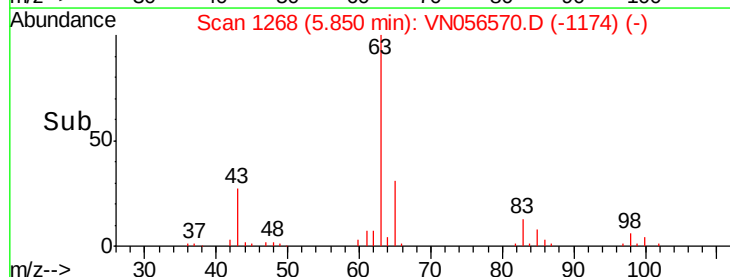
Abundance Ion 62.90 (62.60 to 63.60): VN0

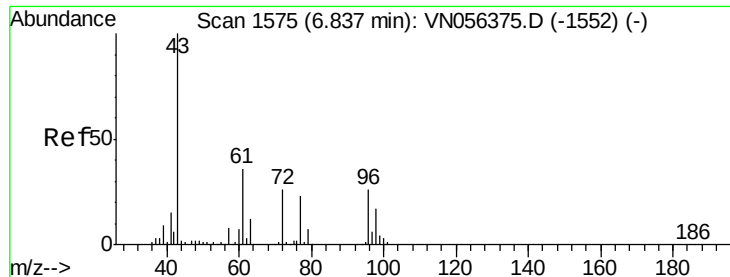
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->

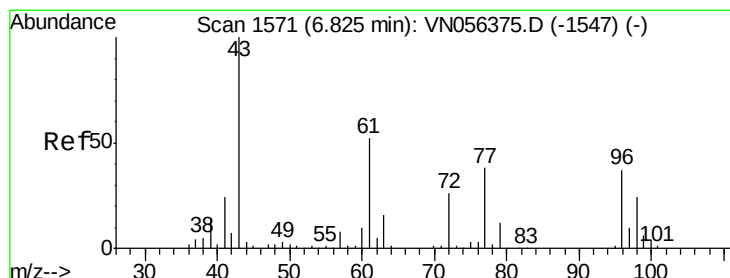
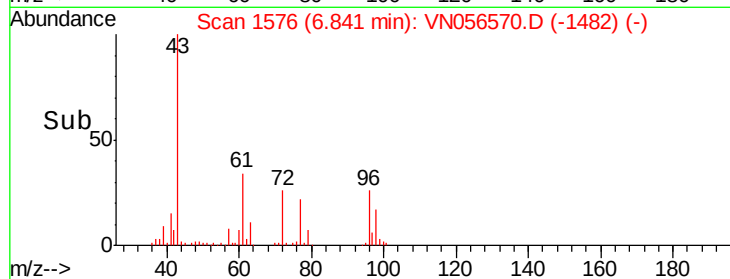
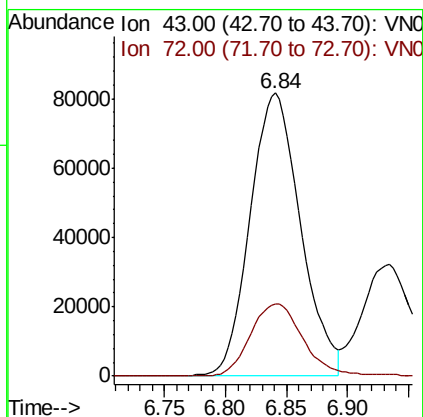
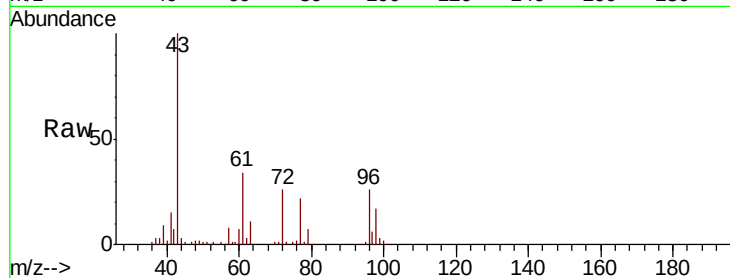




#25
2-Butanone
Concen: 98.451 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

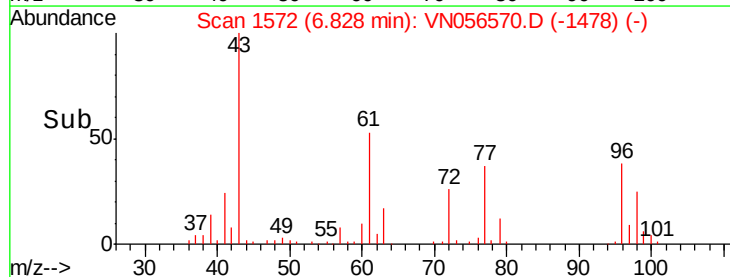
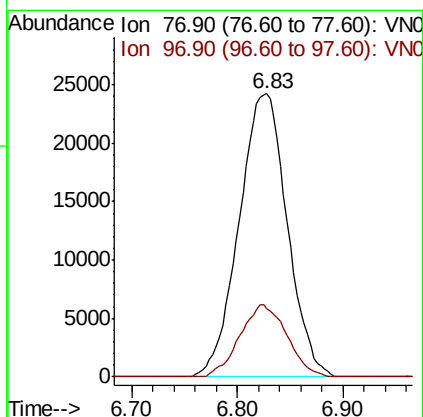
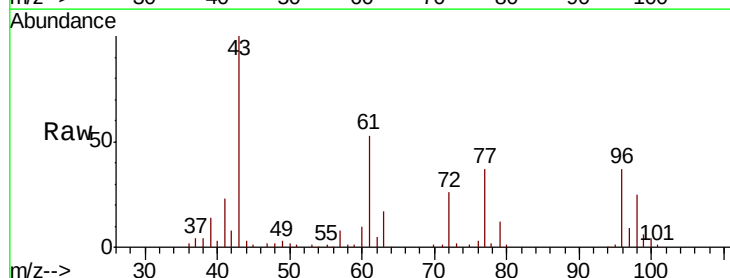
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

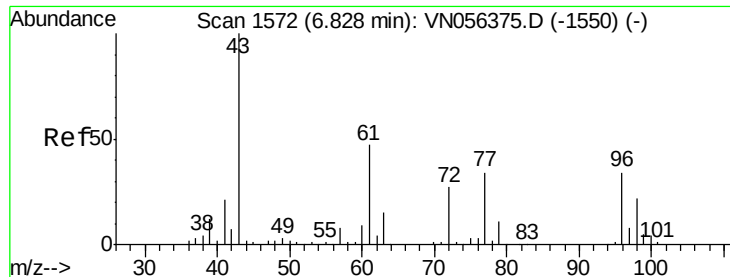
Tot Ion: 43 Resp: 232895
Ion Ratio Lower Upper
43 100
72 25.7 20.6 31.0



#26
2,2-Dichloropropane
Concen: 19.347 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 77 Resp: 76785
Ion Ratio Lower Upper
77 100
97 24.9 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.262 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

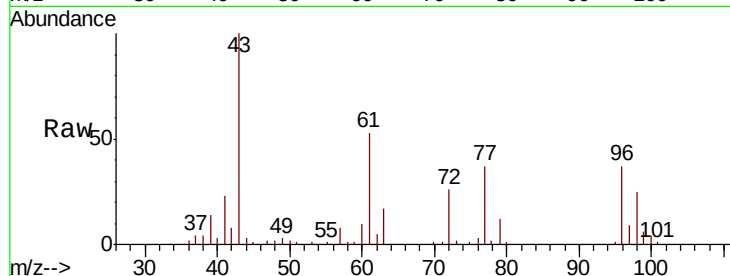
Tot Ion: 96 Resp: 72674

Ion Ratio Lower Upper

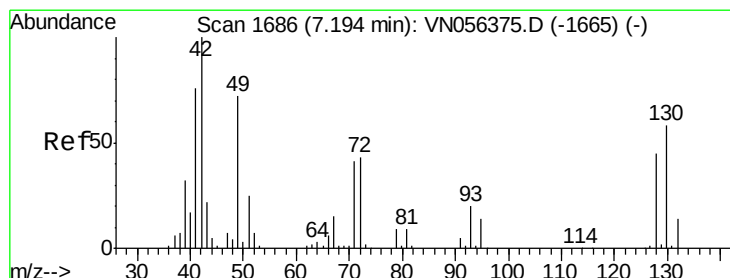
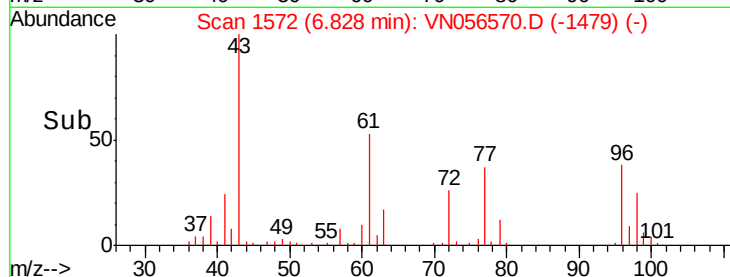
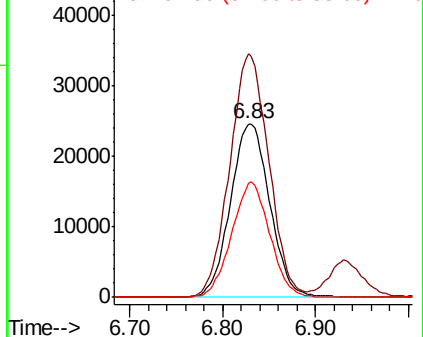
96 100

61 139.1 0.0 279.8

98 64.0 0.0 130.0



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



#28

Bromochloromethane

Concen: 20.496 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

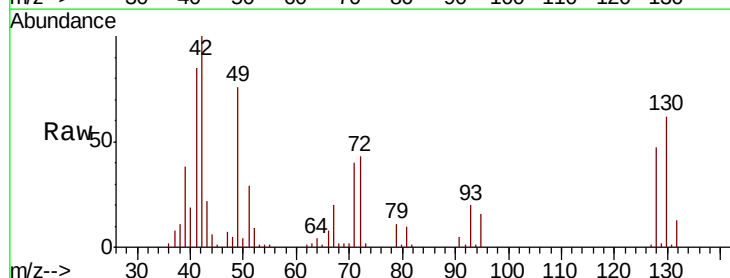
Tgt Ion: 49 Resp: 57850

Ion Ratio Lower Upper

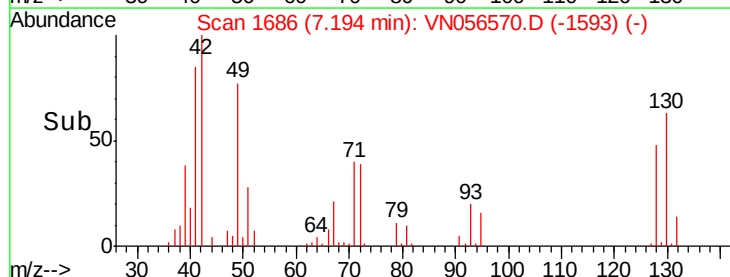
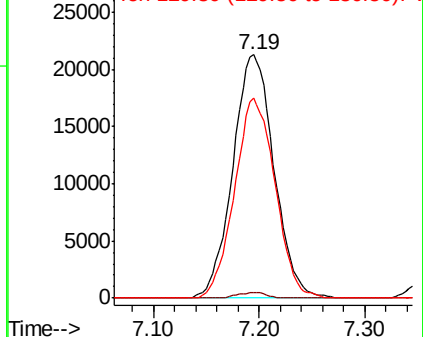
49 100

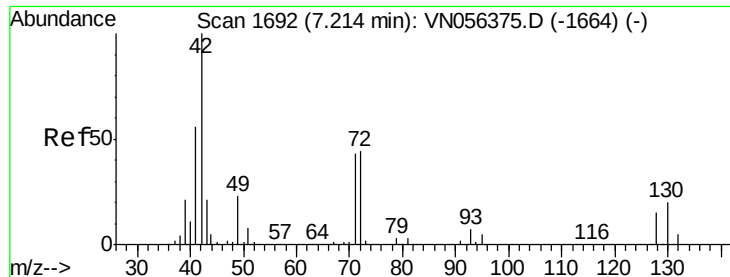
129 1.6 0.0 4.2

130 80.8 64.9 97.3



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: 108.488 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

VN0701WBSD01

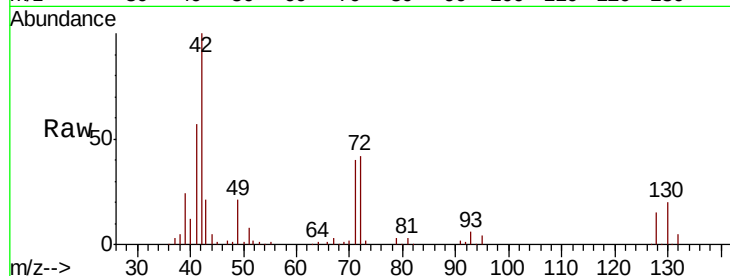
Tot Ion: 42 Resp: 156832

Ion Ratio Lower Upper

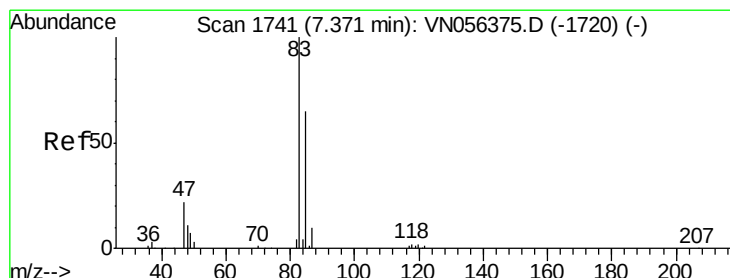
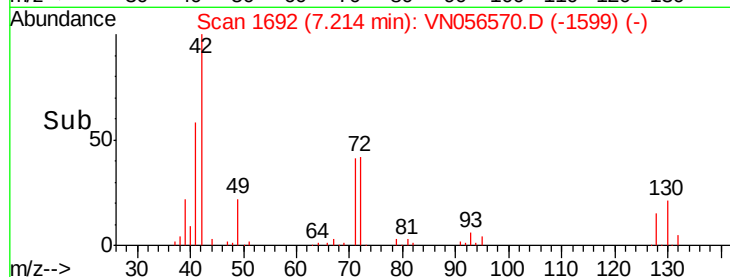
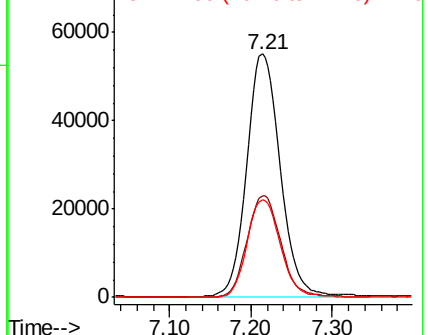
42 100

72 42.1 34.7 52.1

71 39.7 33.0 49.6



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



#30

Chloroform

Concen: 20.672 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN056570.D

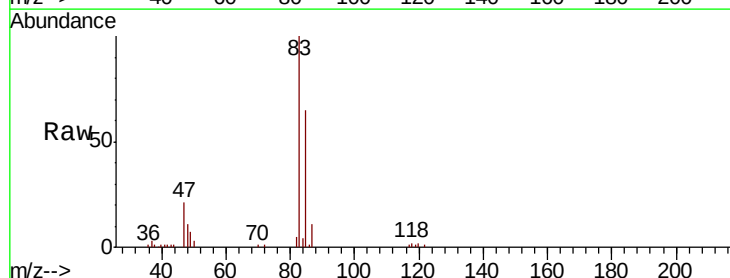
Acq: 1 Jul 2019 14:24

Tgt Ion: 83 Resp: 116396

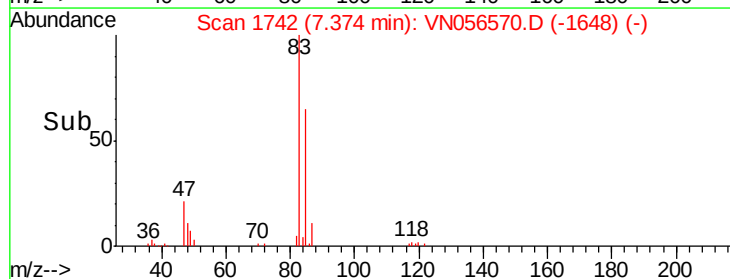
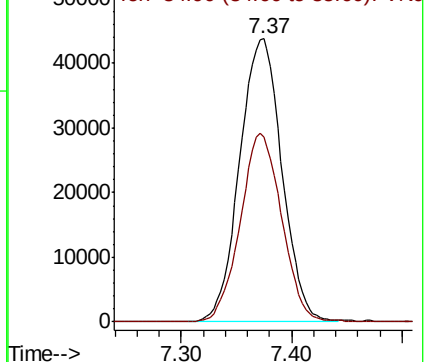
Ion Ratio Lower Upper

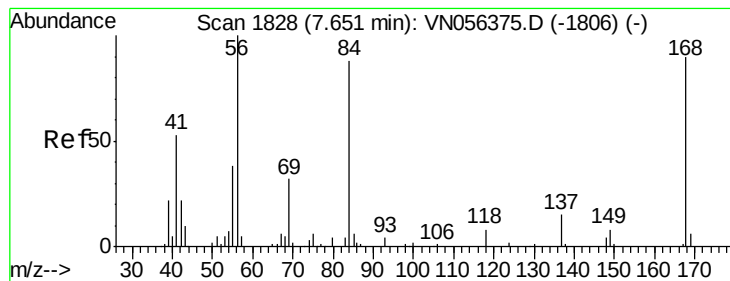
83 100

85 65.1 52.3 78.5



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





#31

Cyclohexane

Concen: 17.822 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

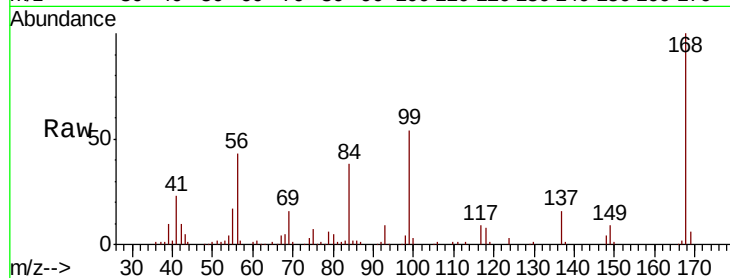
Tot Ion: 56 Resp: 98178

Ion Ratio Lower Upper

56 100

69 36.5 25.8 38.6

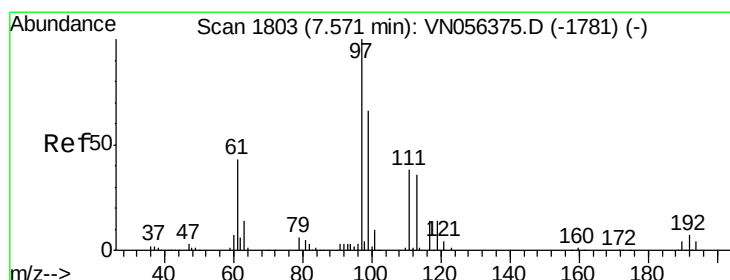
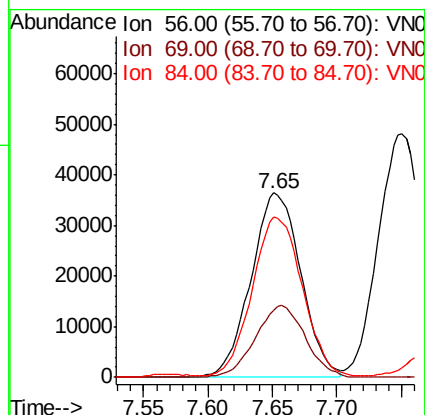
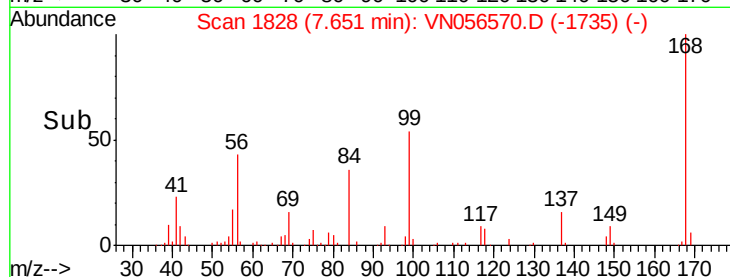
84 85.6 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN056570.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN056570.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN056570.D (-1735) (-)



#32

1,1,1-Trichloroethane

Concen: 20.541 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

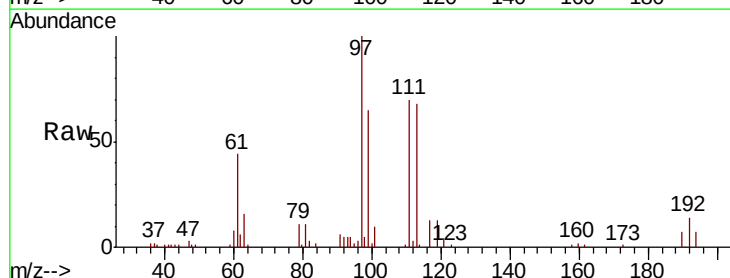
Tgt Ion: 97 Resp: 91678

Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.6

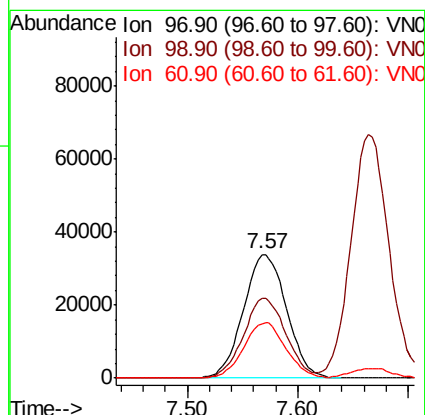
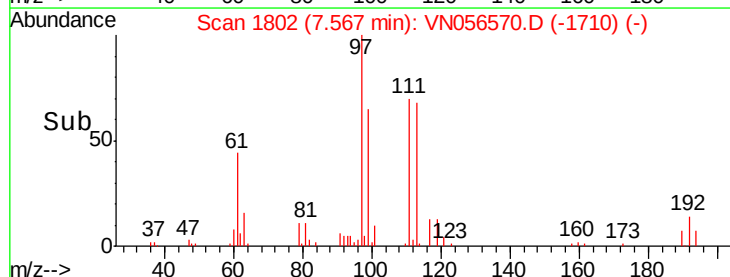
61 43.7 33.9 50.9

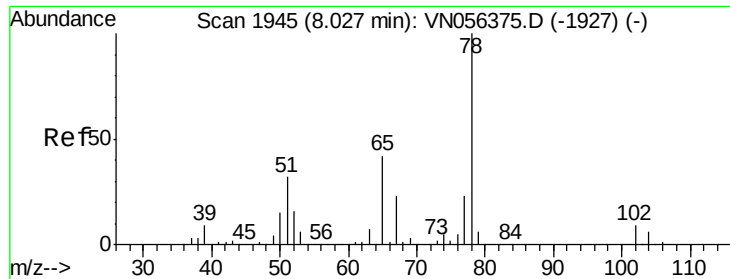


Abundance Ion 96.90 (96.60 to 97.60): VN056570.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN056570.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN056570.D (-1710) (-)

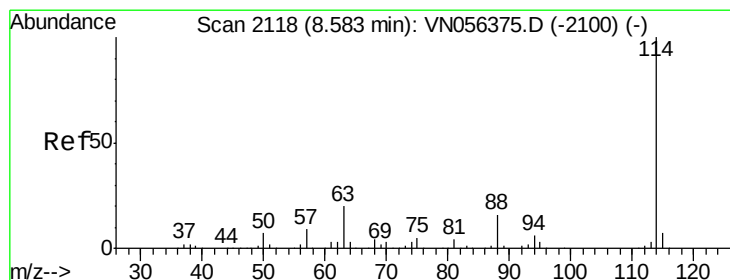
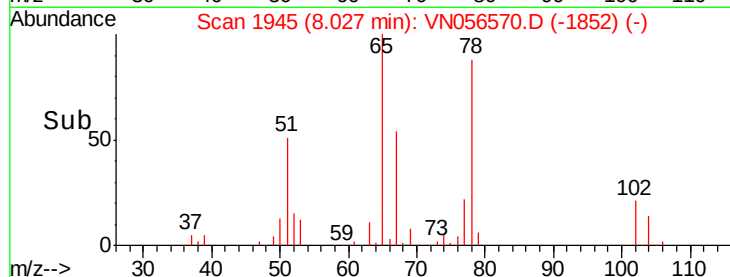
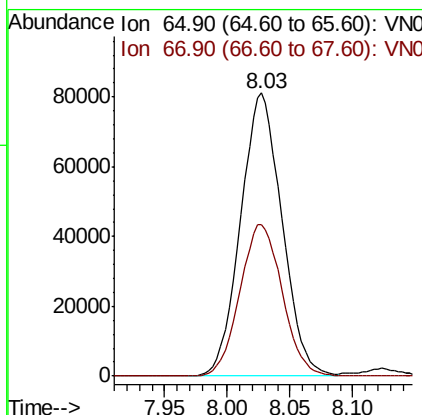
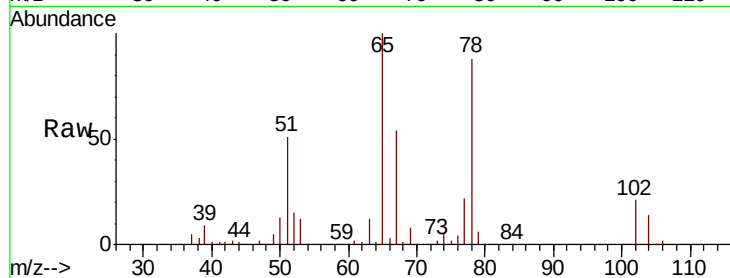




#33
 1,2-Dichloroethane-d4
 Concen: 52.166 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

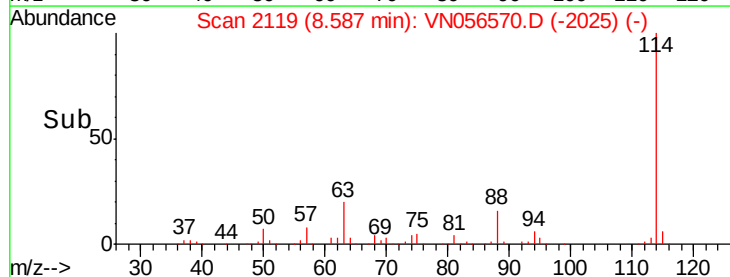
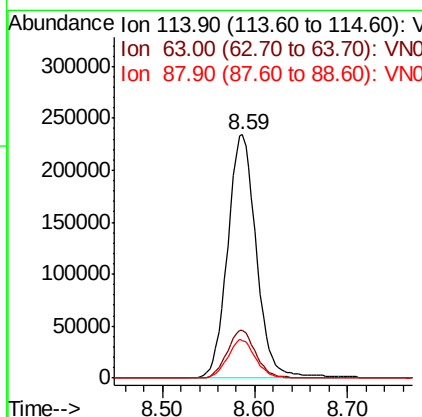
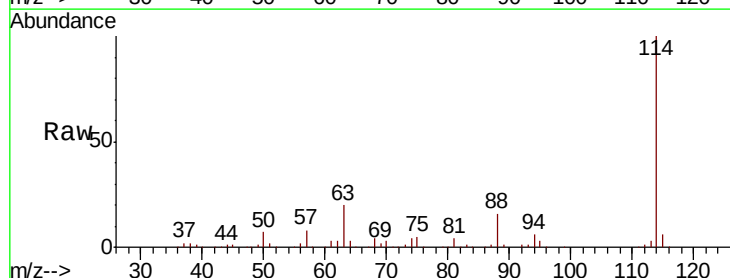
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

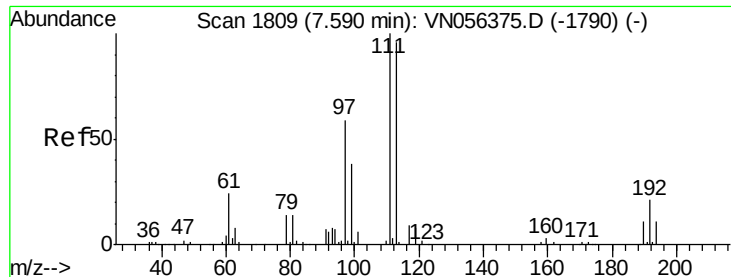
Tot Ion: 65 Resp: 186103
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion: 114 Resp: 502835
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.253 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

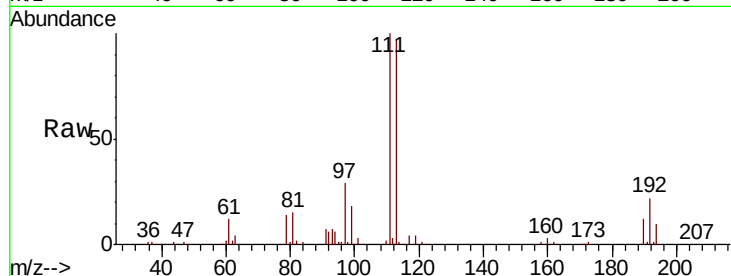
Tot Ion:113 Resp: 160773

Ion Ratio Lower Upper

113 100

111 101.8 82.9 124.3

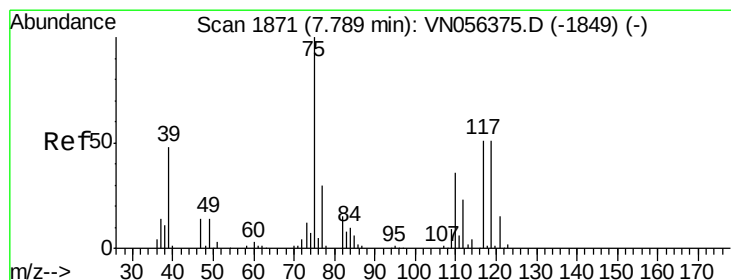
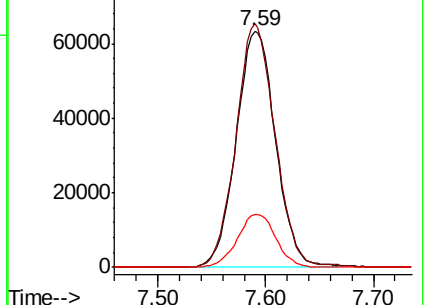
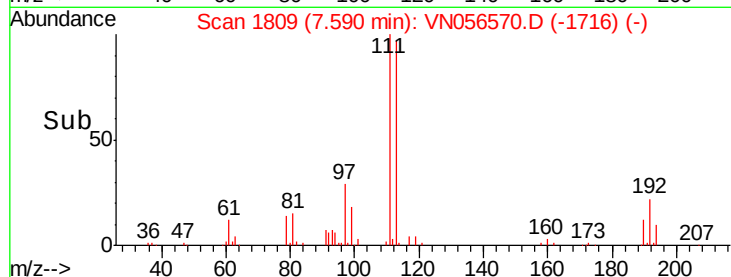
192 22.0 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.344 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

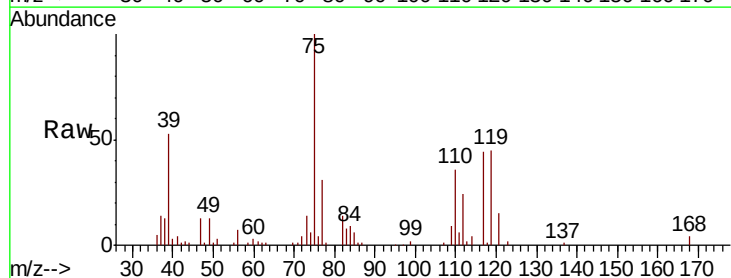
Tgt Ion: 75 Resp: 81188

Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.3

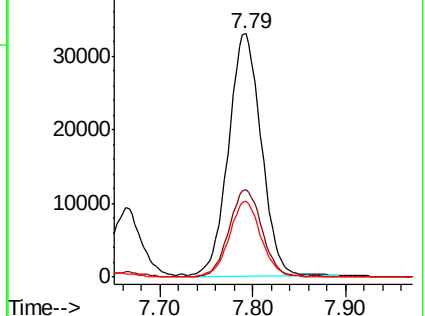
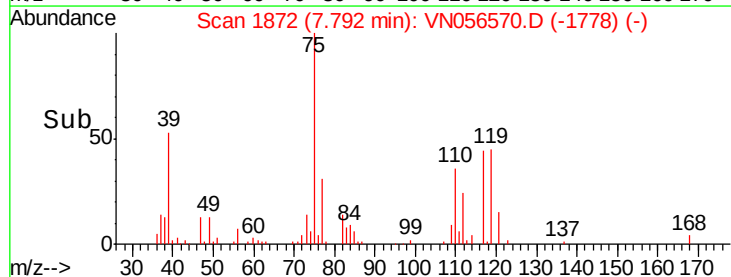
77 30.4 24.6 36.8

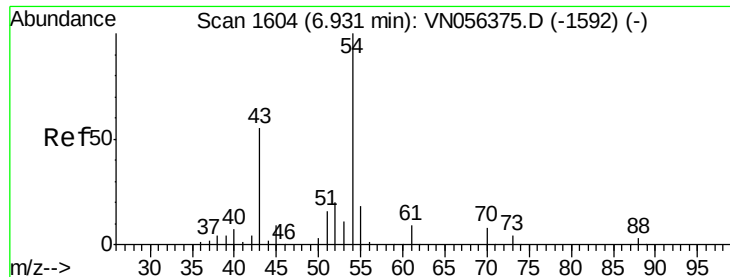


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

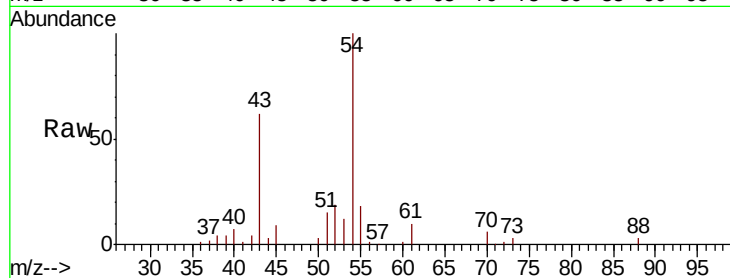




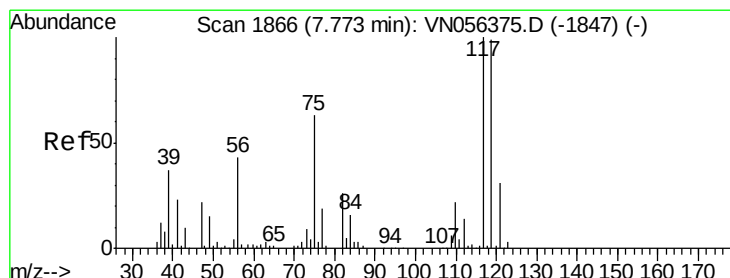
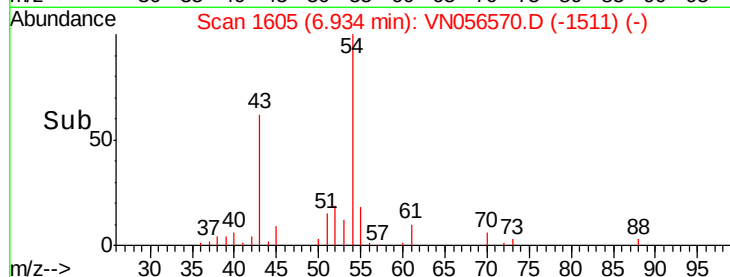
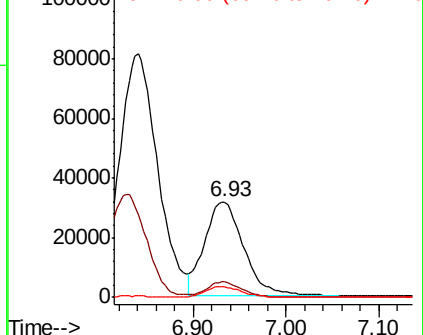
#37
Ethyl Acetate
Concen: 21.407 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampled :
VN0701WBSD01

Tot Ion: 43 Resp: 93109
Ion Ratio Lower Upper
43 100
61 15.0 11.1 16.7
70 10.5 8.3 12.5

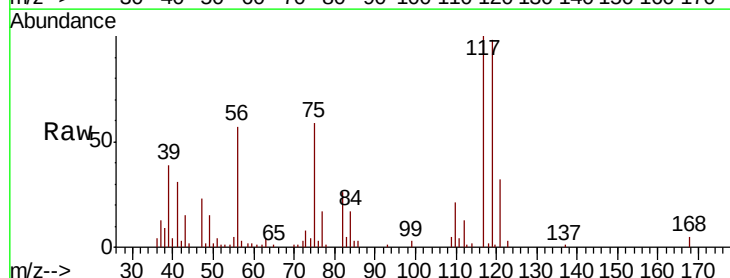


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

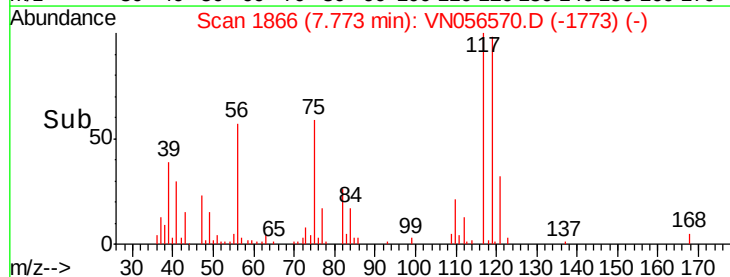
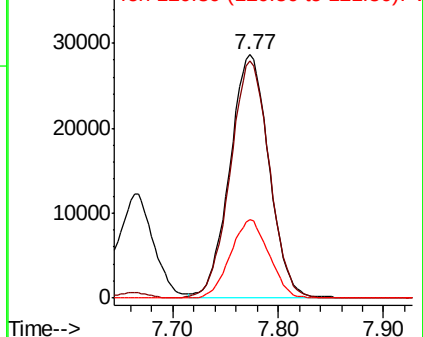


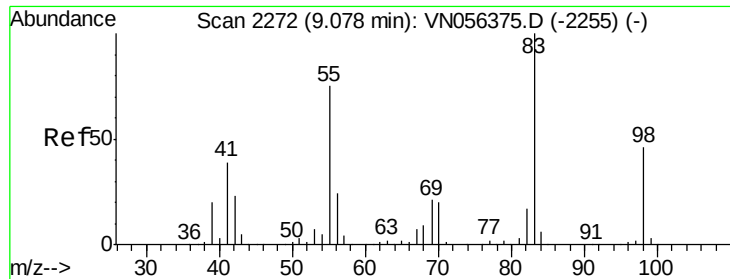
#38
Carbon Tetrachloride
Concen: 19.101 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 117 Resp: 73927
Ion Ratio Lower Upper
117 100
119 97.5 79.1 118.7
121 32.2 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

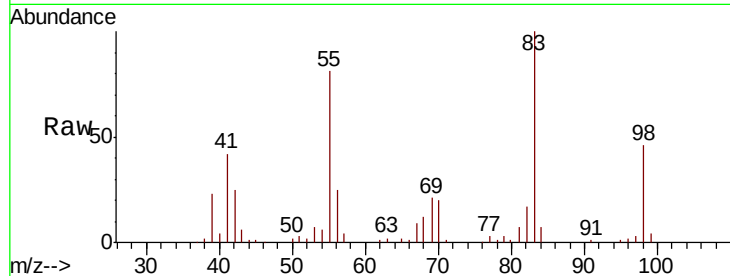




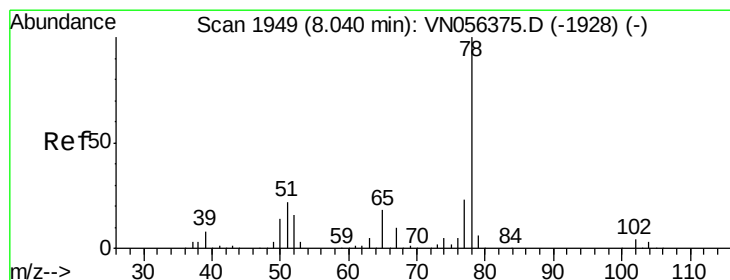
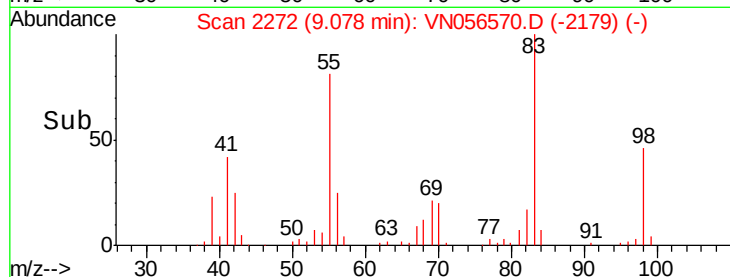
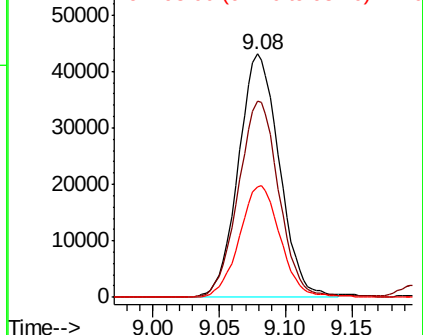
#39
Methylvlcyclohexane
Concen: 16.897 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

Tot Ion: 83 Resp: 92279
Ion Ratio Lower Upper
83 100
55 80.6 60.0 90.0
98 45.6 36.6 54.8

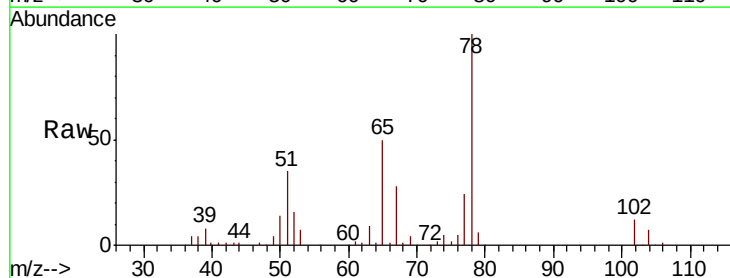


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

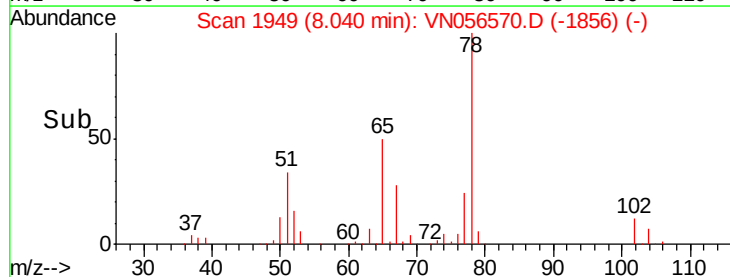
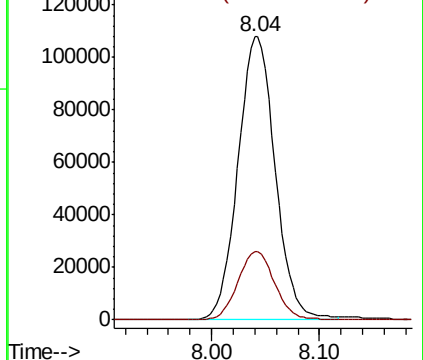


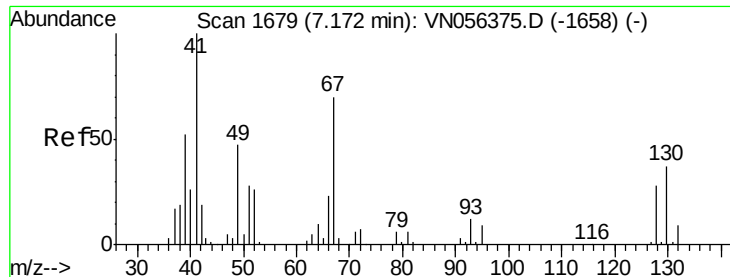
#40
Benzene
Concen: 19.032 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 78 Resp: 259105
Ion Ratio Lower Upper
78 100
77 24.0 18.3 27.5



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

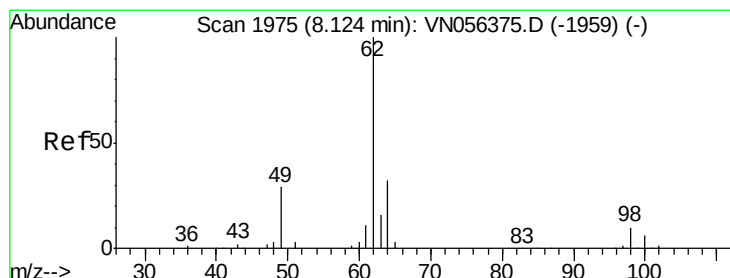
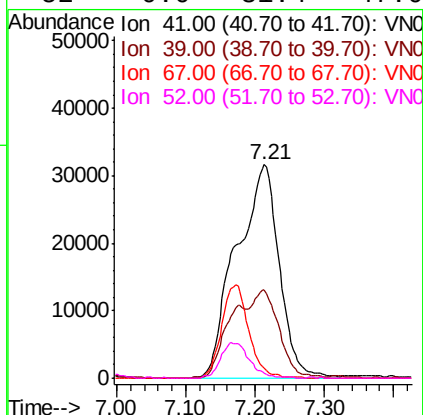
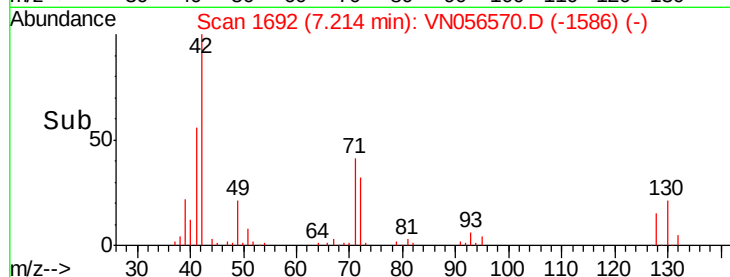
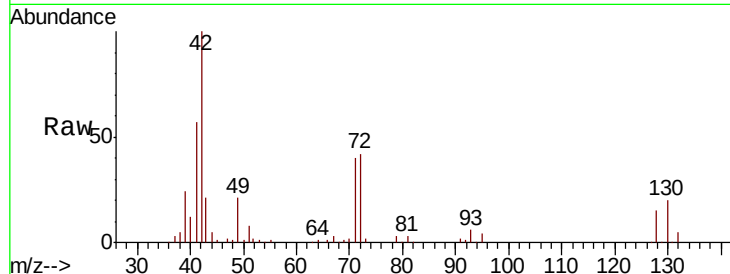




#41
Methacrylonitrile
Concen: 70.840 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

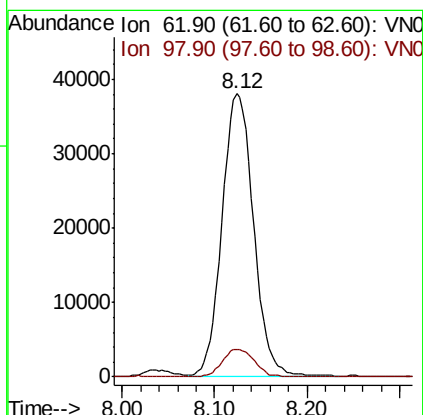
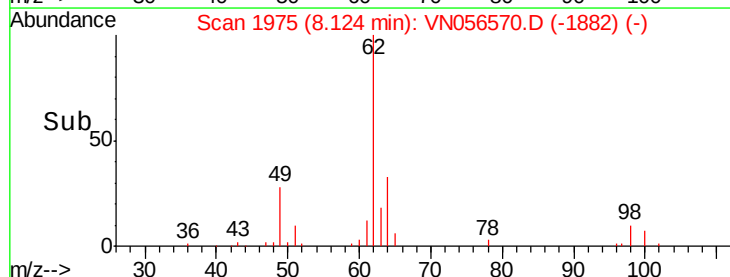
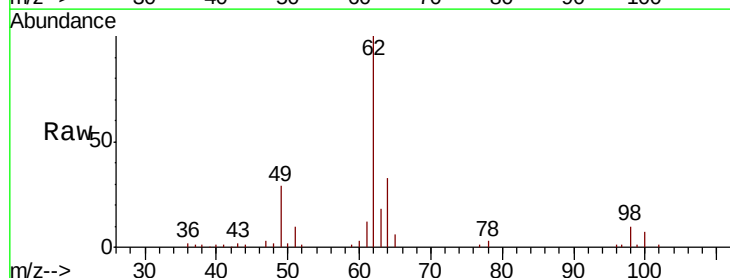
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

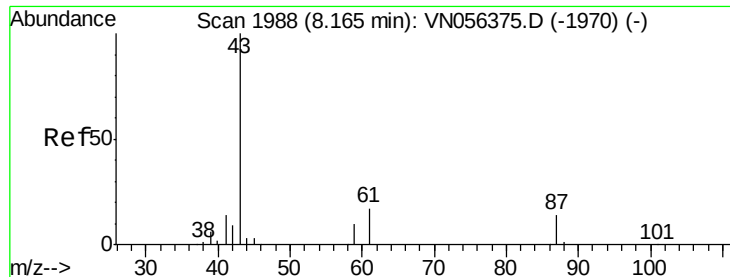
Tot Ion: 41 Resp: 136058
Ion Ratio Lower Upper
41 100
39 0.0 55.3 82.9#
67 0.0 79.2 118.8#
52 0.0 31.4 47.0#



#42
1,2-Dichloroethane
Concen: 20.036 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 62 Resp: 90019
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.266 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

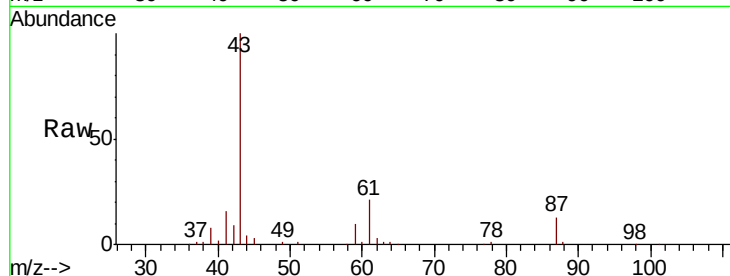
Tot Ion: 43 Resp: 135916

Ion Ratio Lower Upper

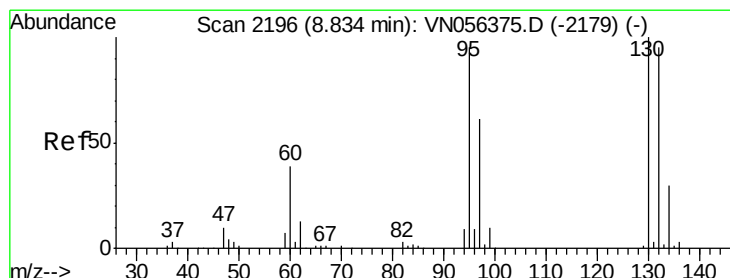
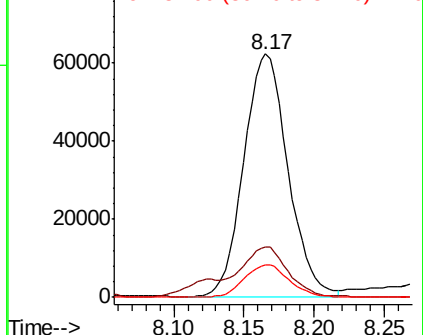
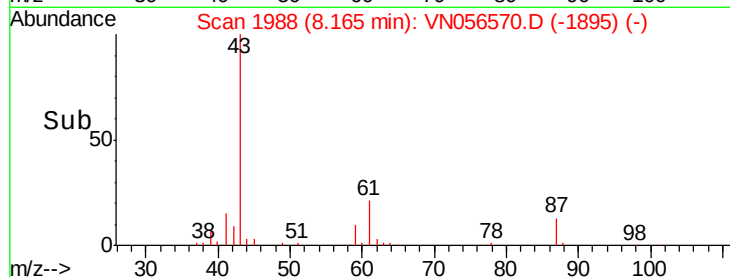
43 100

61 21.7 22.0 33.0#

87 13.8 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056570.D (-1895) (-)



#44

Trichloroethene

Concen: 18.536 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056570.D

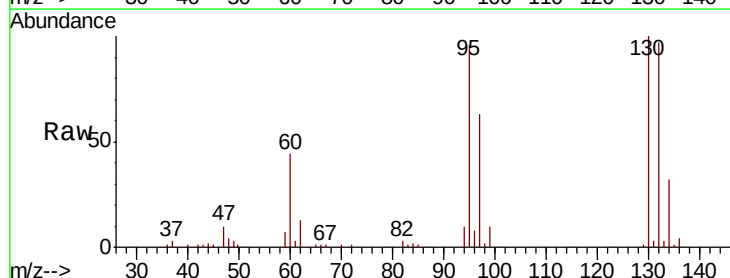
Acq: 1 Jul 2019 14:24

Tgt Ion:130 Resp: 67975

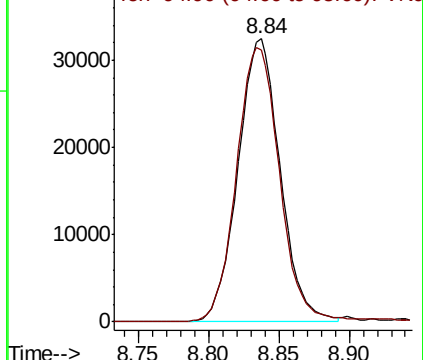
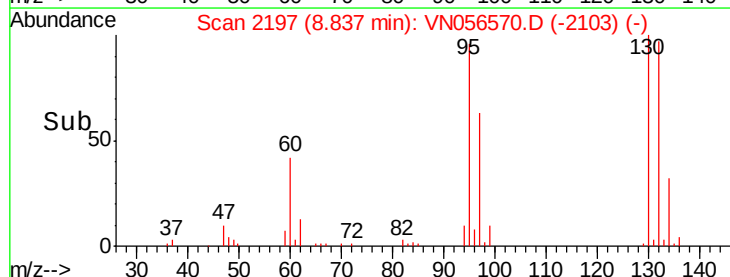
Ion Ratio Lower Upper

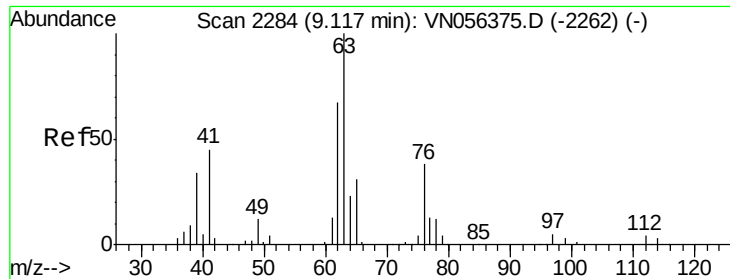
130 100

95 96.0 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056570.D (-2103) (-)

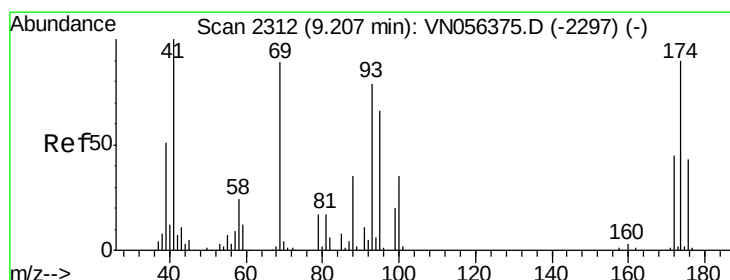
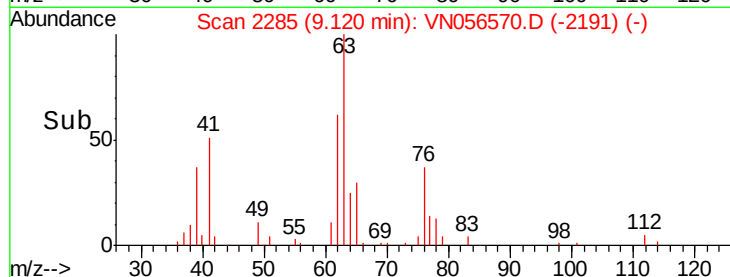
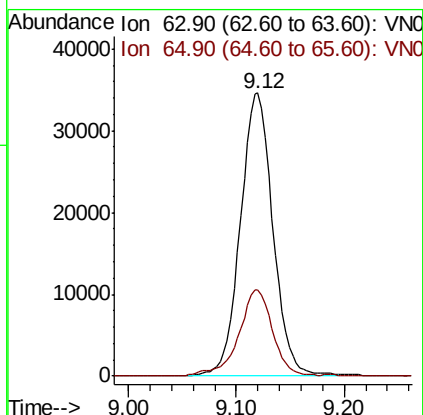
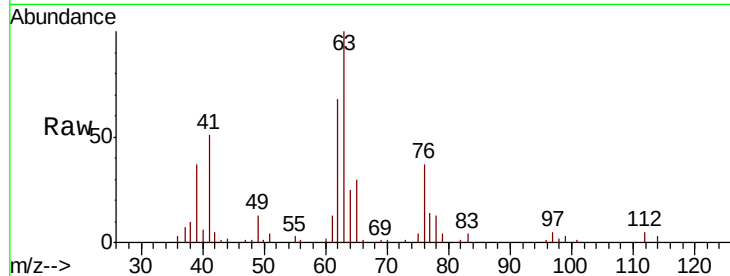




#45
 1,2-Dichloropropane
 Concen: 19.963 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

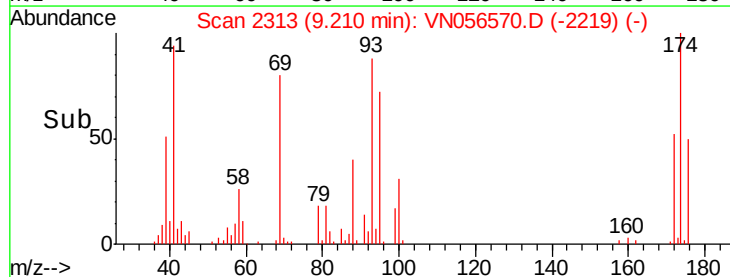
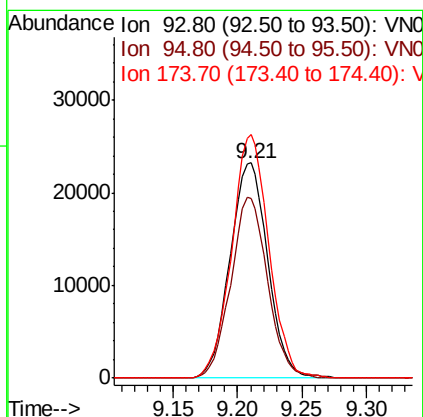
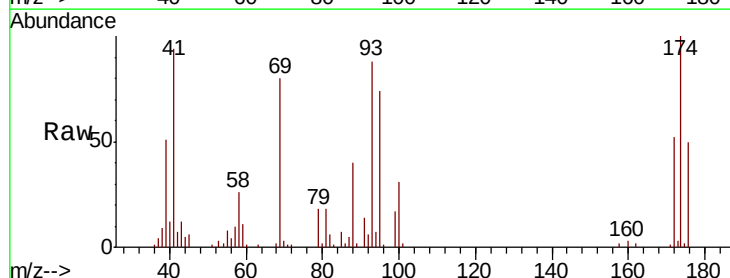
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

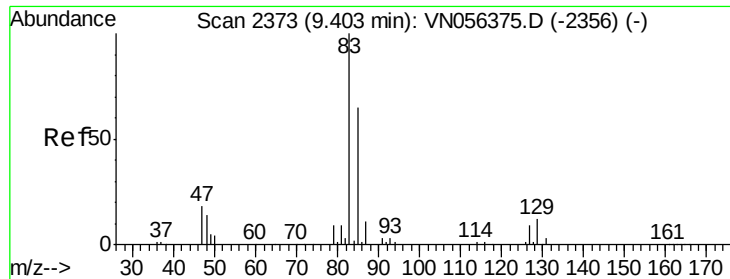
Tot Ion: 63 Resp: 72682
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6



#46
 Dibromomethane
 Concen: 20.770 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion: 93 Resp: 47311
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.2 99.2
 174 111.6 90.8 136.2





#47

Bromodichloromethane

Concen: 20.618 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

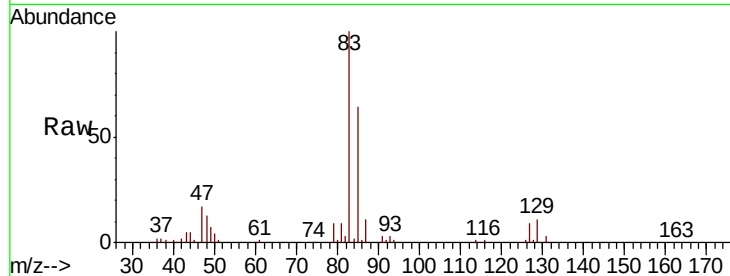
Tot Ion: 83 Resp: 83295

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.4

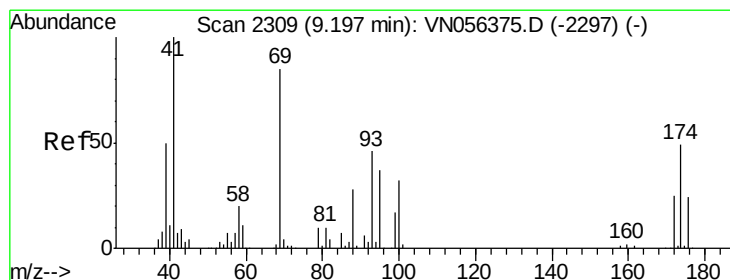
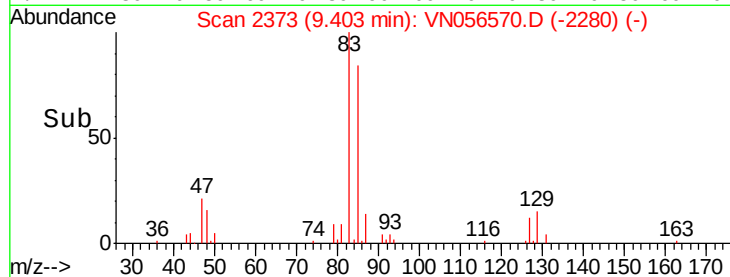
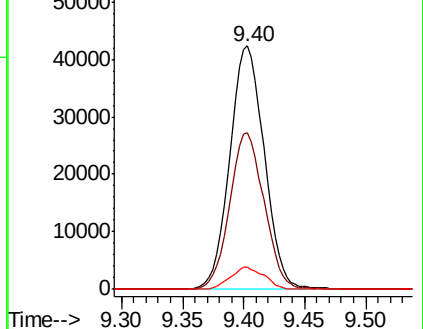
127 8.9 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.670 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

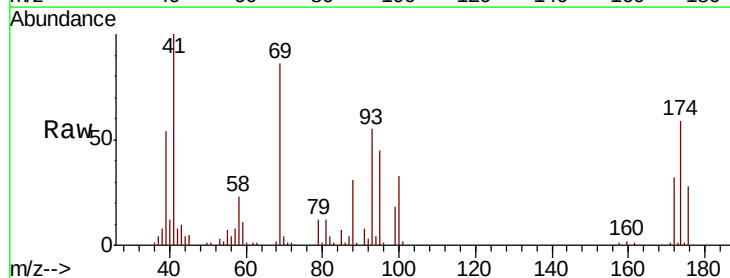
Tgt Ion: 41 Resp: 66109

Ion Ratio Lower Upper

41 100

69 86.1 72.6 109.0

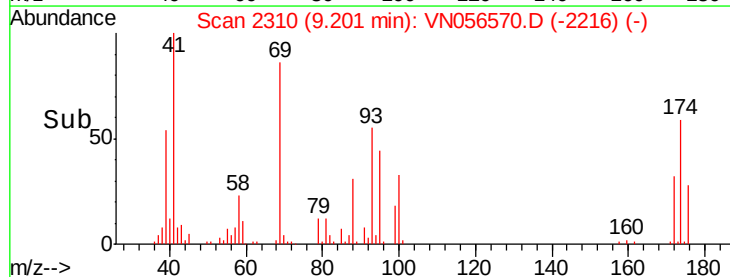
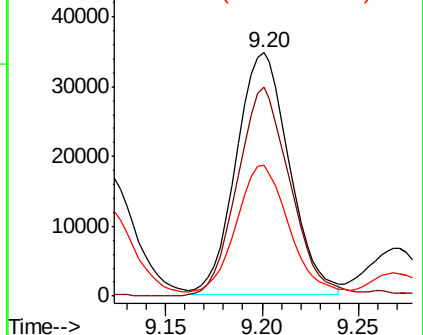
39 54.3 42.6 63.8

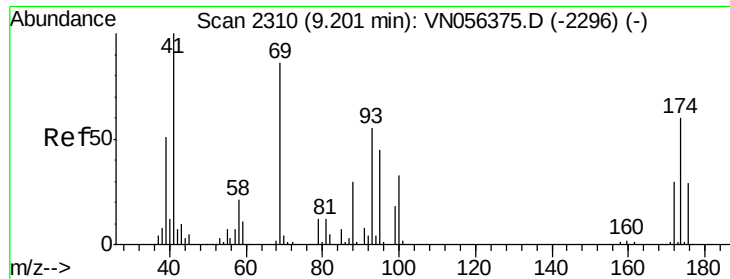


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

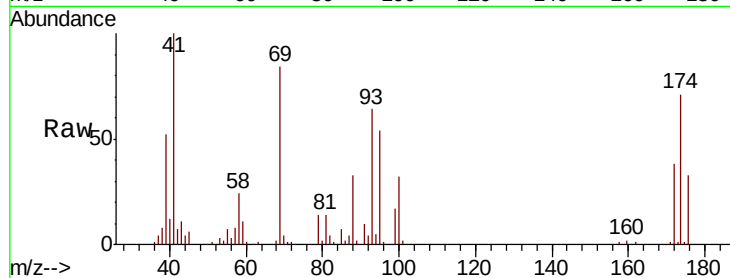




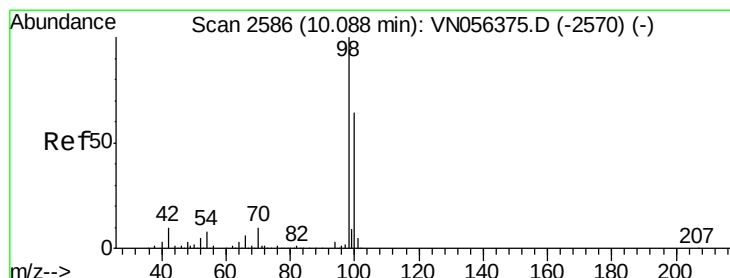
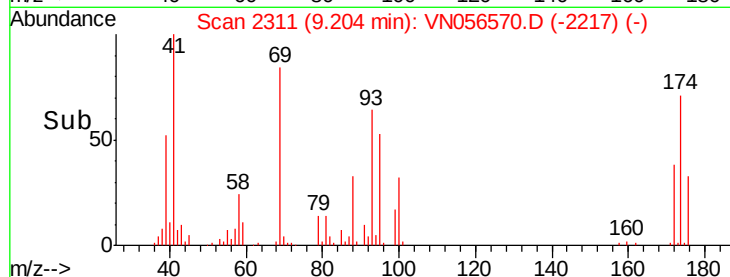
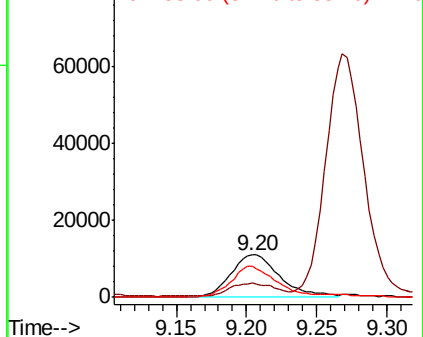
#49
1,4-Dioxane
Concen: 386.890 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

Tot Ion: 88 Resp: 26984
Ion Ratio Lower Upper
88 100
43 27.7 22.0 33.0
58 68.7 51.8 77.8

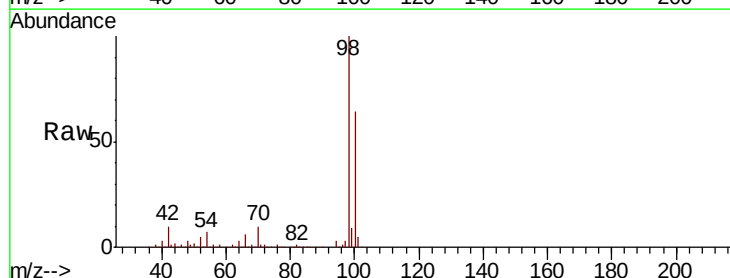


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

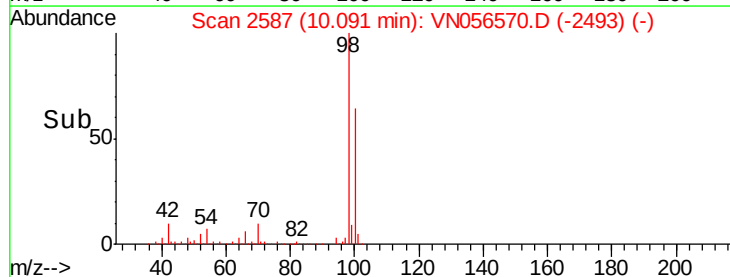
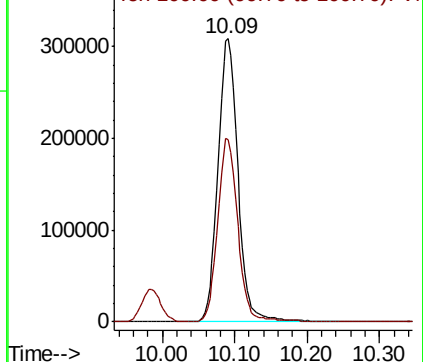


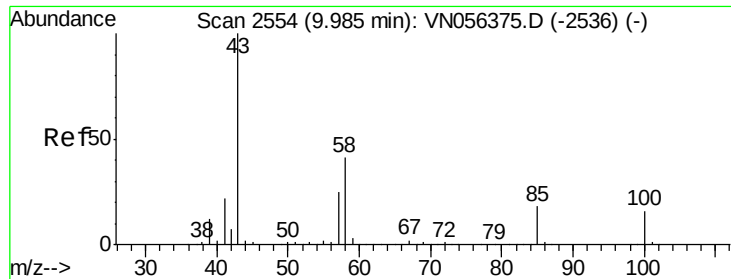
#50
Toluene-d8
Concen: 48.547 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 98 Resp: 592550
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



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: 102.825 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

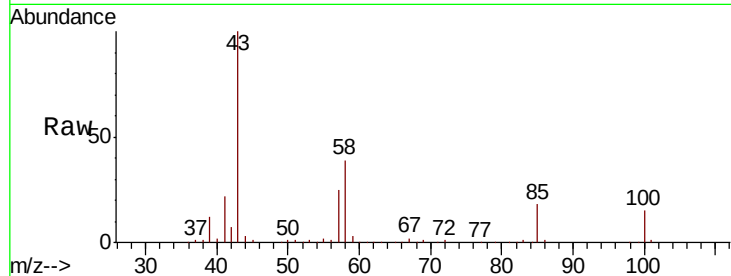
VN0701WBSD01

Tot Ion: 43 Resp: 445109

Ion Ratio Lower Upper

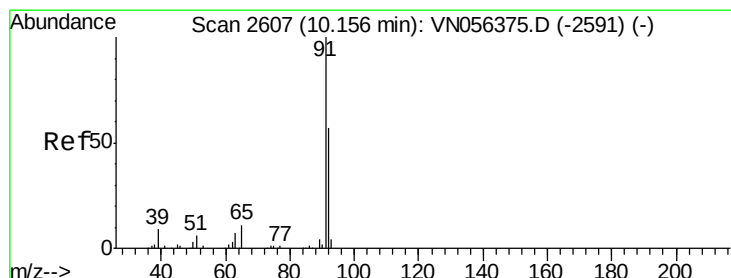
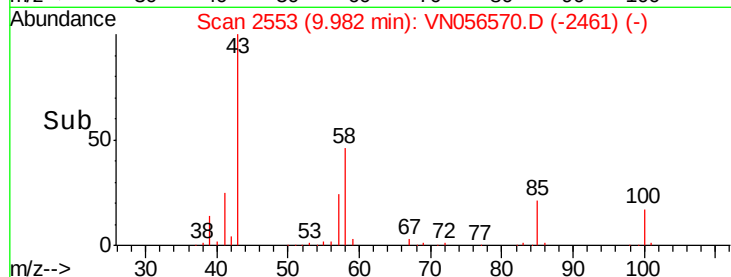
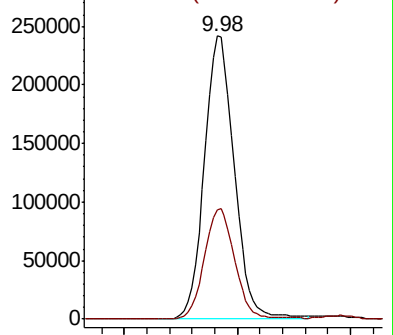
43 100

58 39.7 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.104 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056570.D

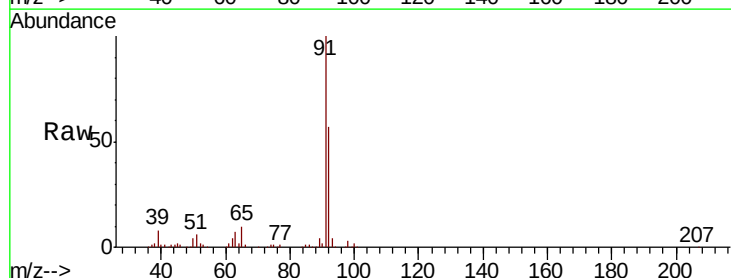
Acq: 1 Jul 2019 14:24

Tgt Ion: 92 Resp: 159007

Ion Ratio Lower Upper

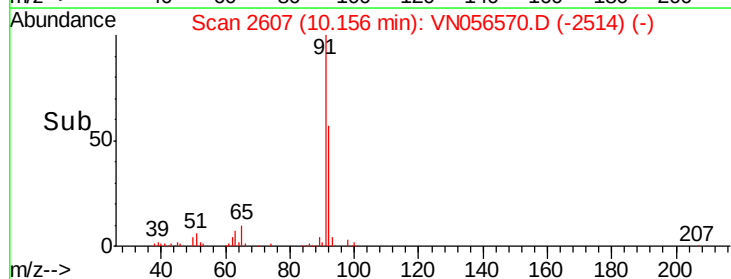
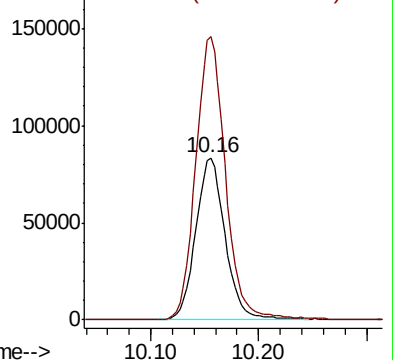
92 100

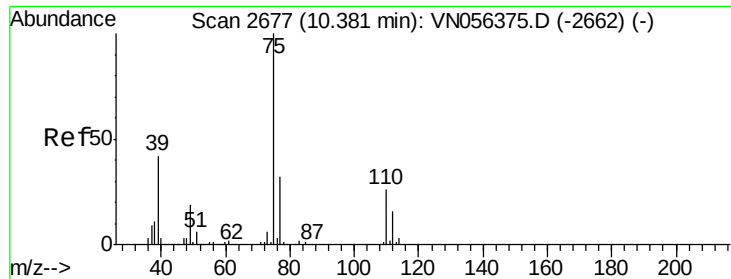
91 177.0 140.6 211.0



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: 19.014 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

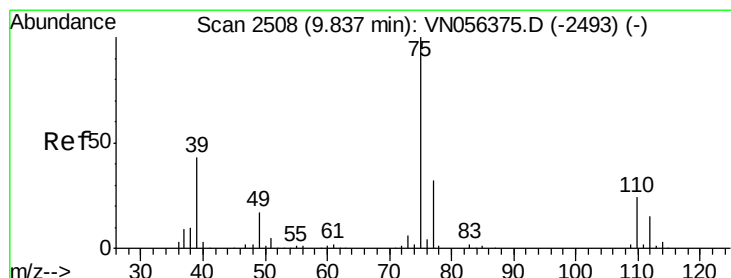
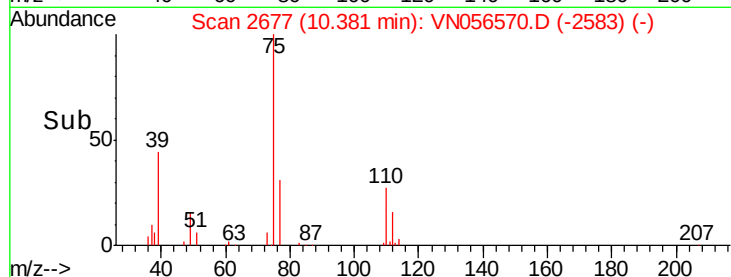
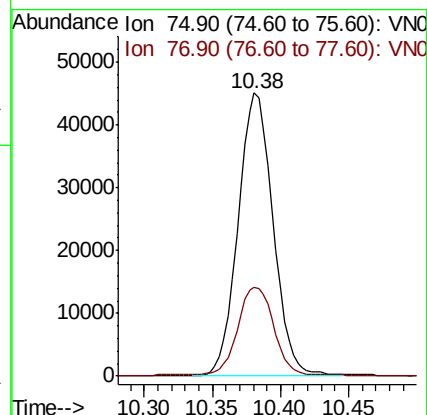
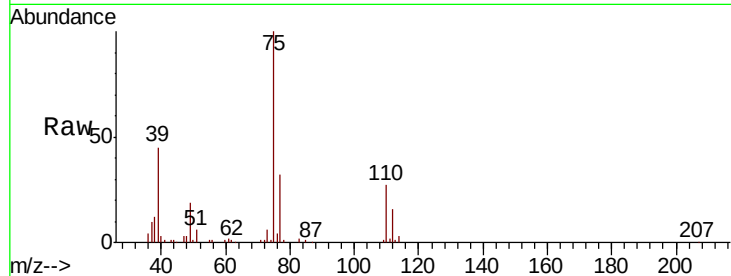
VN0701WBSD01

Tot Ion: 75 Resp: 80520

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.850 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

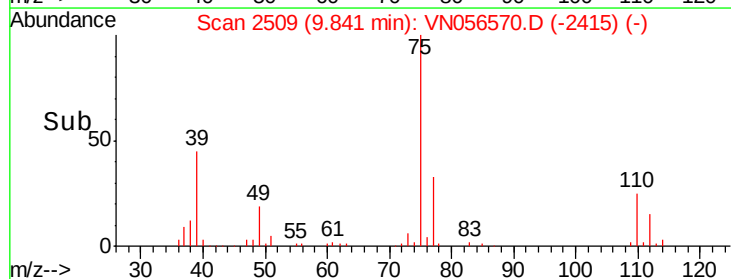
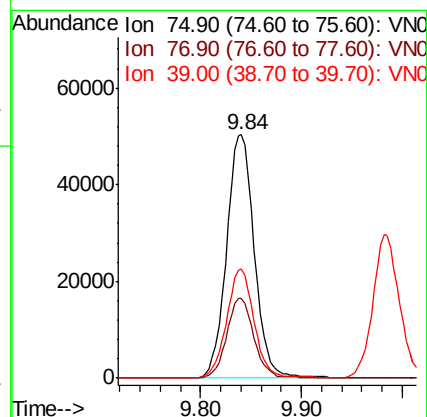
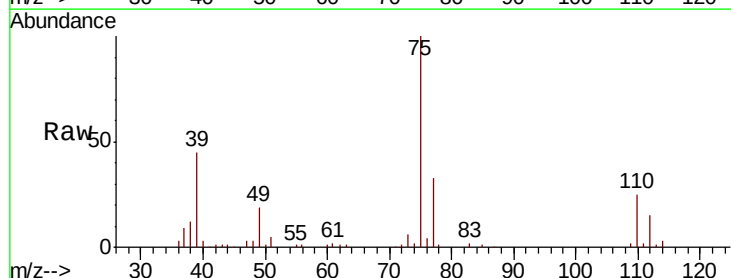
Tgt Ion: 75 Resp: 96571

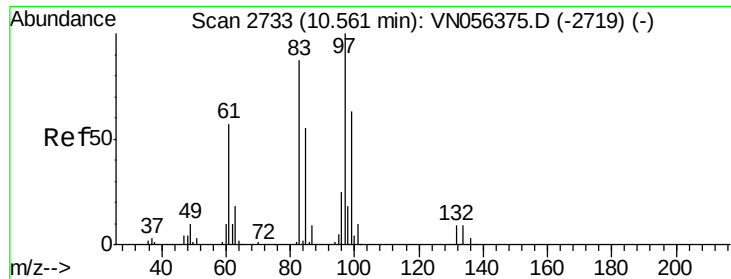
Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

39 44.8 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 20.817 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

Tot Ion: 97 Resp: 69644

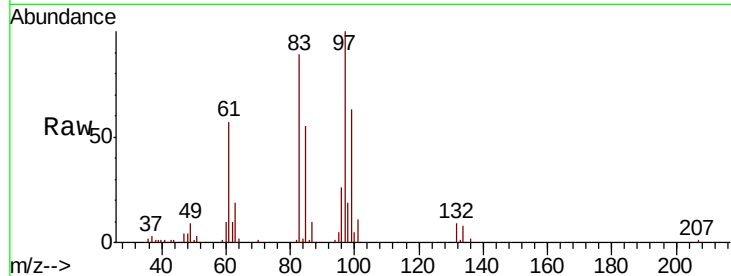
Ion Ratio Lower Upper

97 100

83 89.2 69.8 104.6

85 55.1 43.8 65.8

99 62.6 50.2 75.2

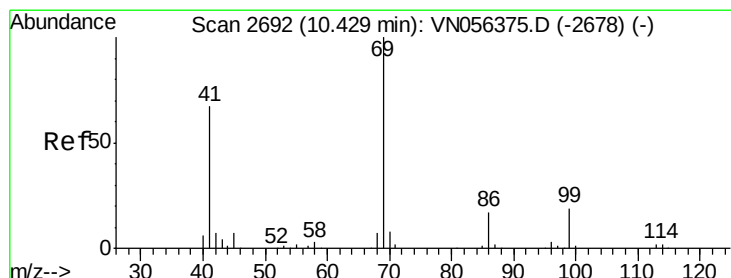
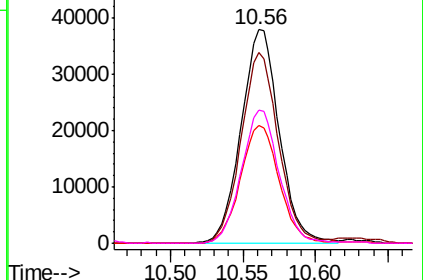
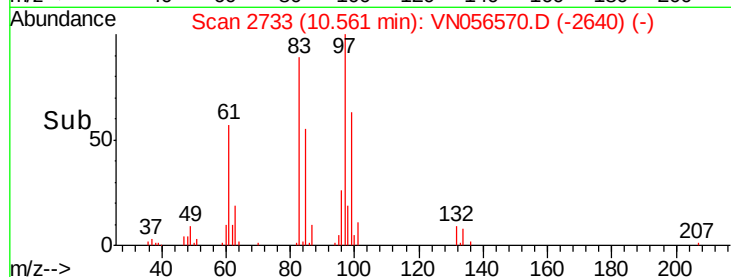


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.981 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

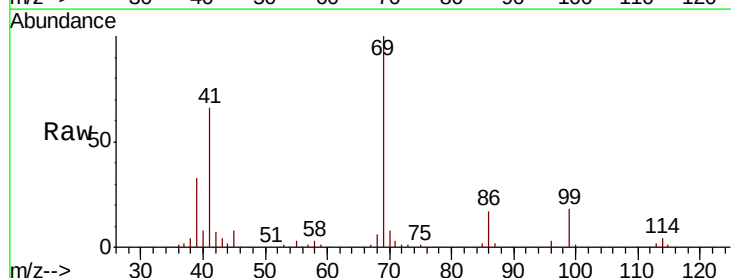
Tgt Ion: 69 Resp: 97694

Ion Ratio Lower Upper

69 100

41 63.7 51.4 77.2

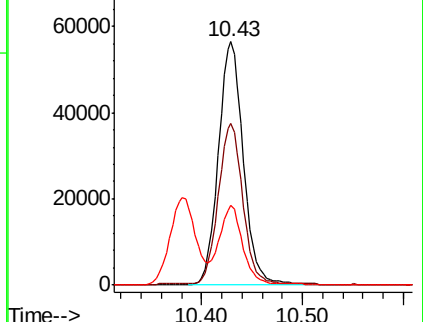
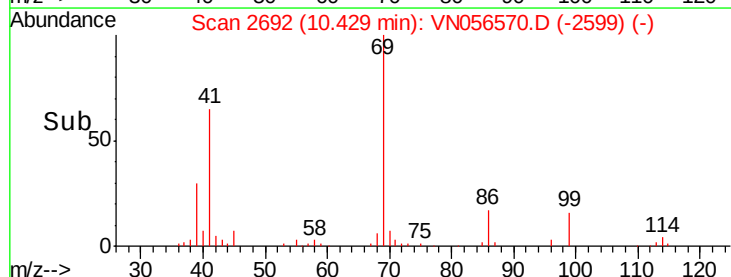
39 30.1 24.7 37.1

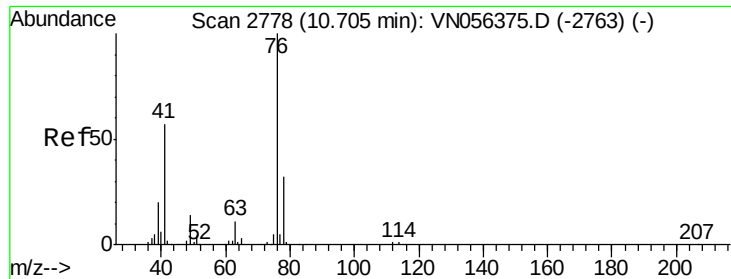


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.268 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

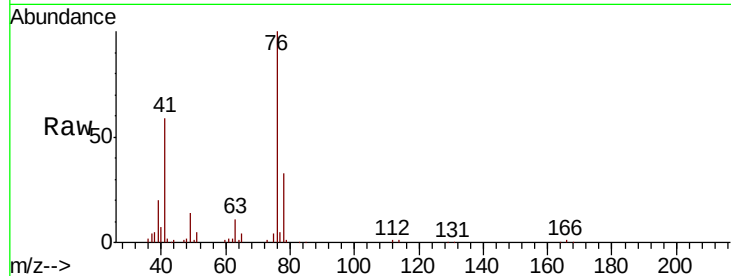
VN0701WBSD01

Tot Ion: 76 Resp: 113916

Ion Ratio Lower Upper

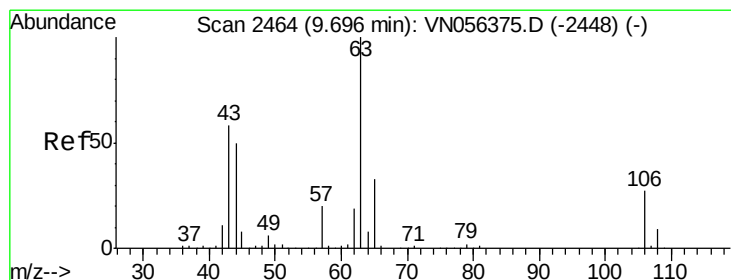
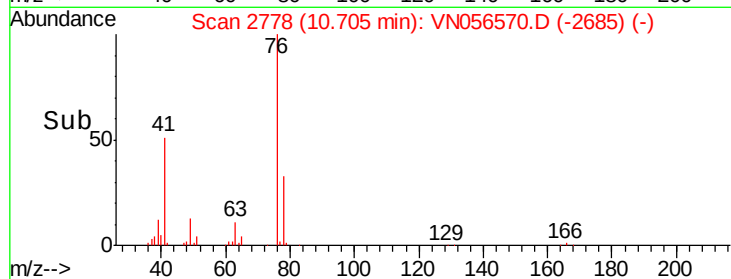
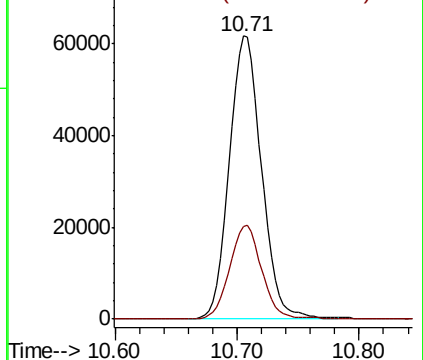
76 100

78 32.7 25.9 38.9



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: 74.063 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056570.D

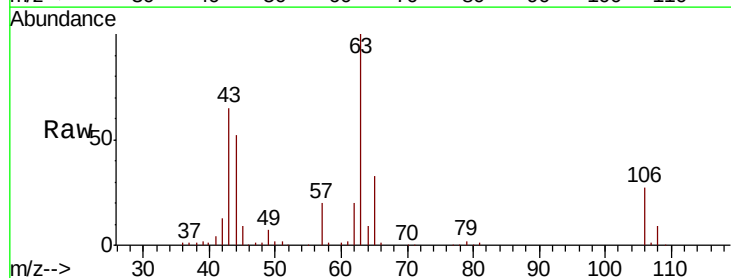
Acq: 1 Jul 2019 14:24

Tgt Ion: 63 Resp: 130091

Ion Ratio Lower Upper

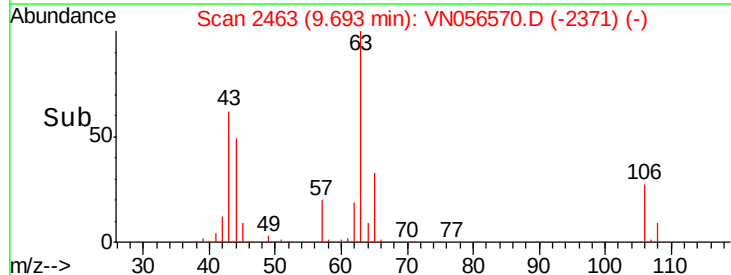
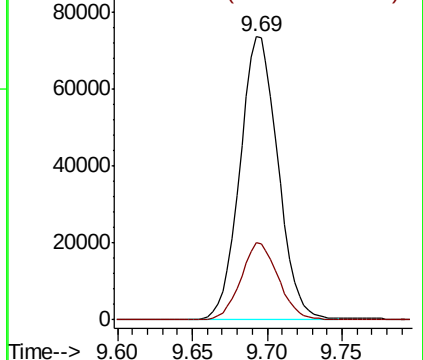
63 100

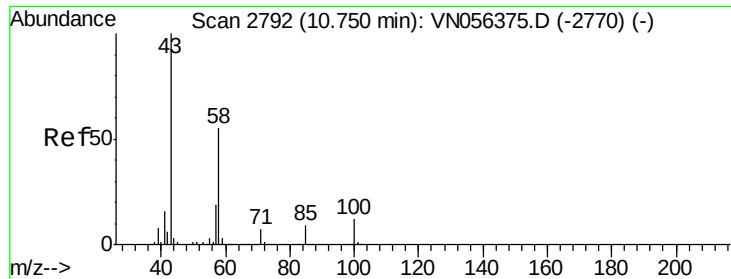
106 26.7 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

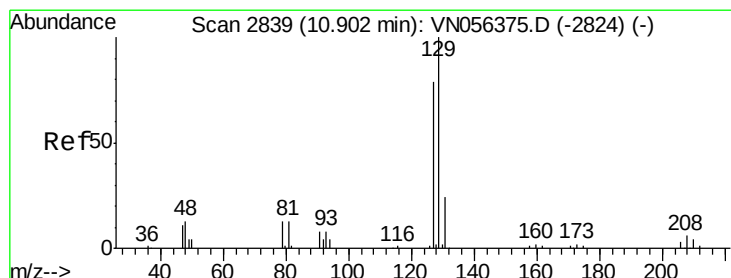
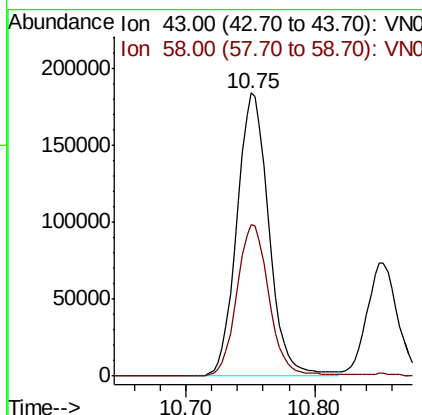
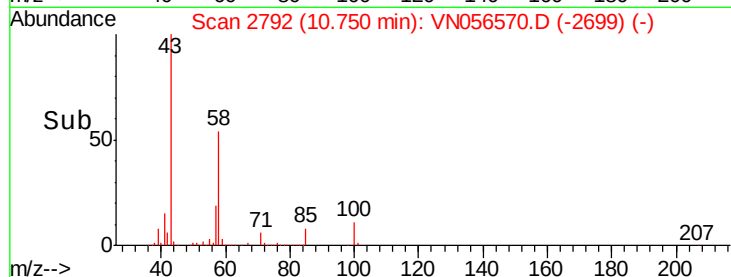
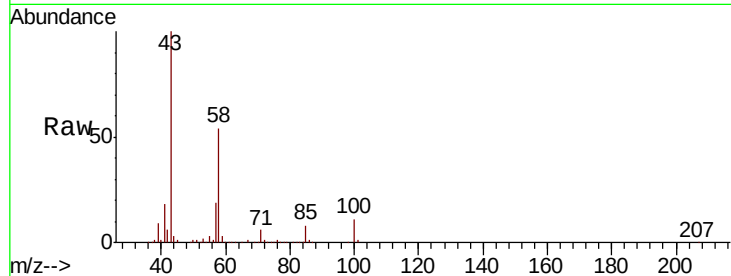




#59
2-Hexanone
Concen: 99.422 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

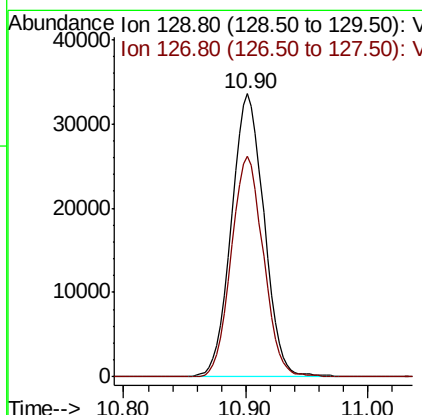
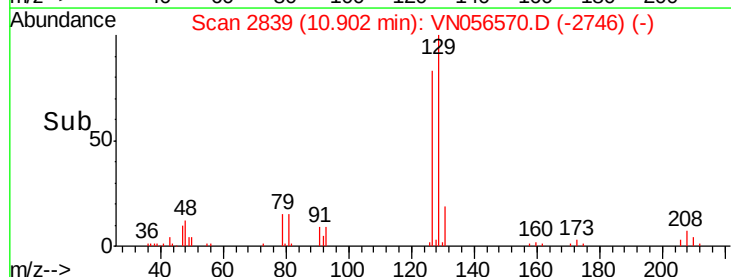
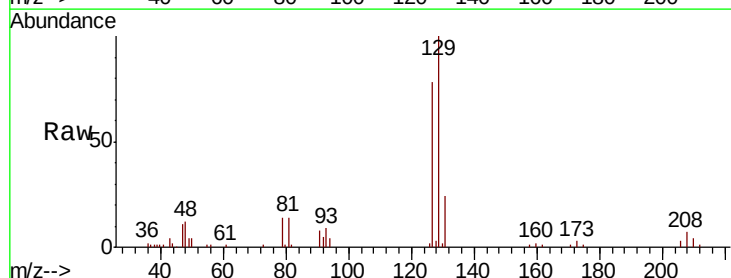
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

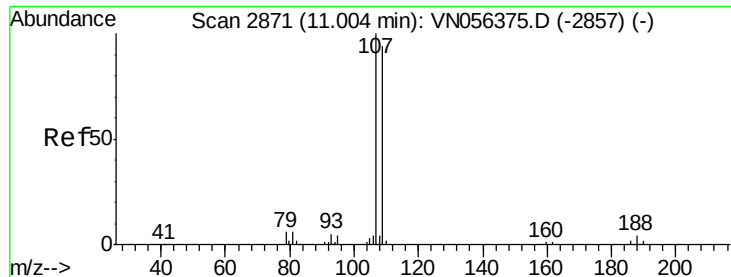
Tot Ion: 43 Resp: 316313
Ion Ratio Lower Upper
43 100
58 54.2 27.8 83.4



#60
Dibromochloromethane
Concen: 19.653 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 129 Resp: 62364
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7

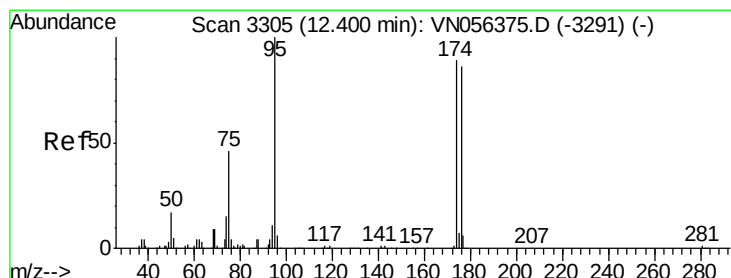
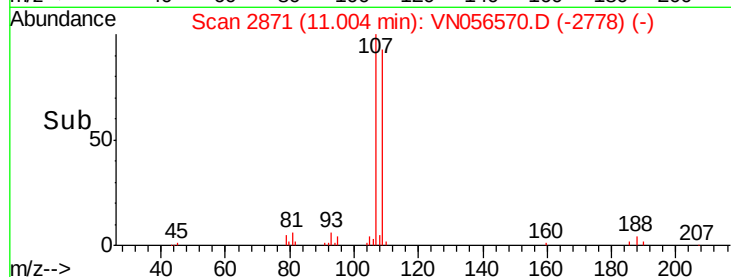
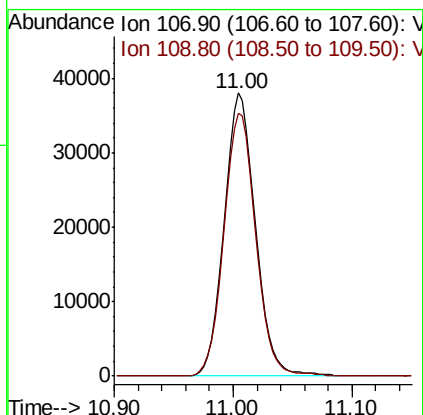
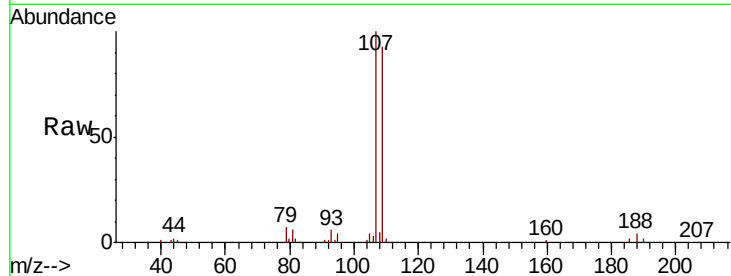




#61
 1,2-Dibromoethane
 Concen: 20.220 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

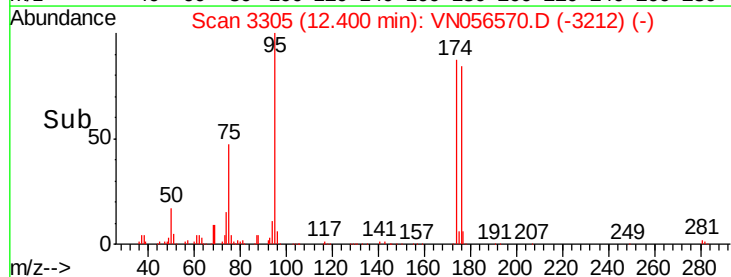
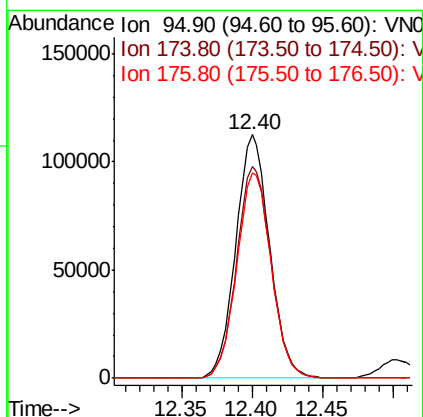
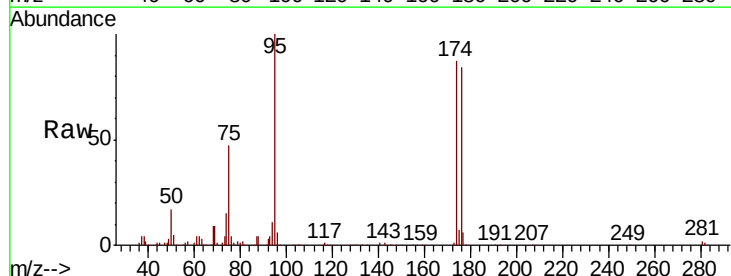
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

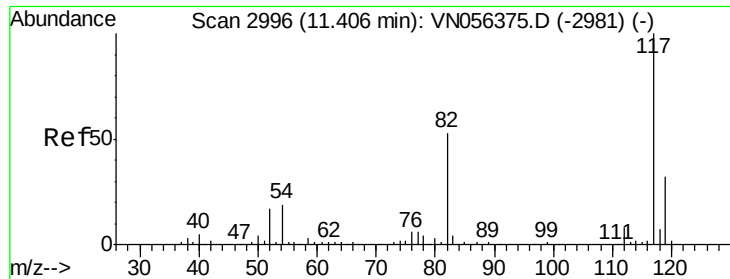
Tot Ion:107 Resp: 69093
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 46.556 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion: 95 Resp: 189431
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 179.4
 176 85.9 0.0 173.4

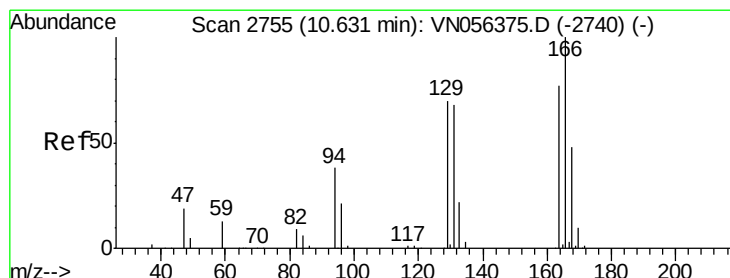
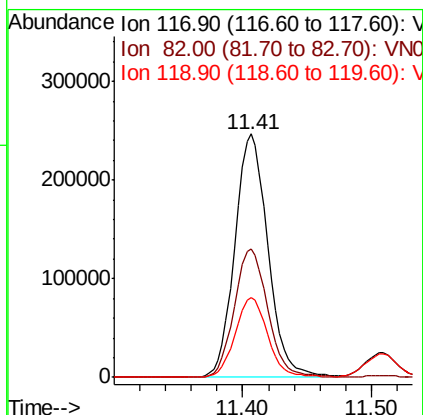
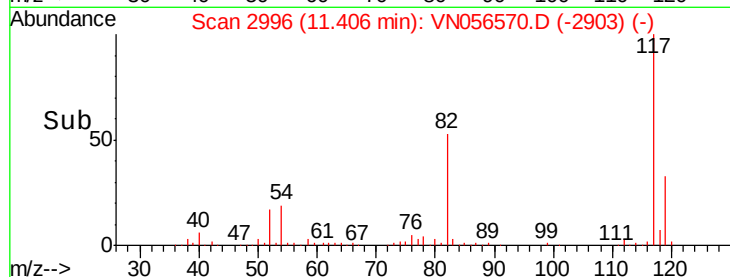
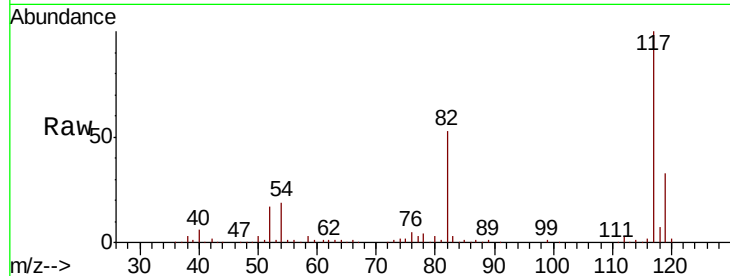




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

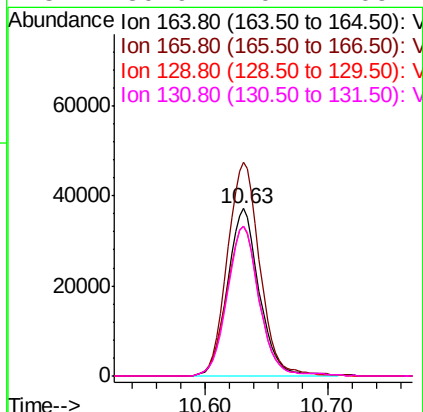
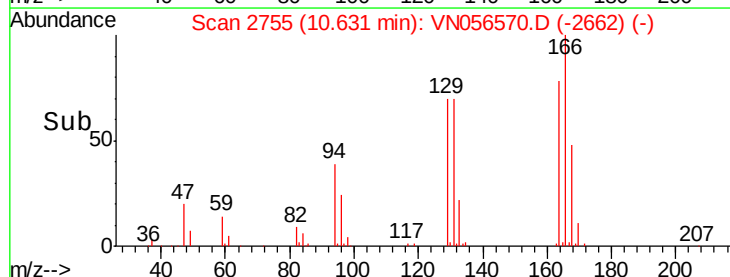
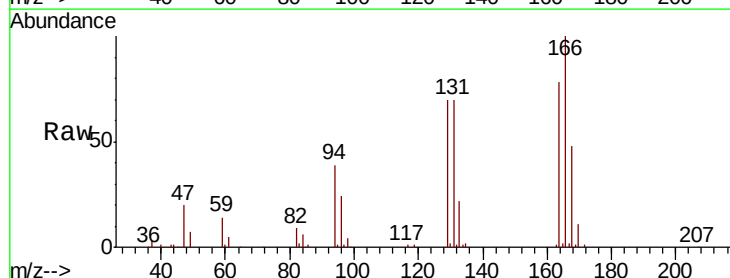
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

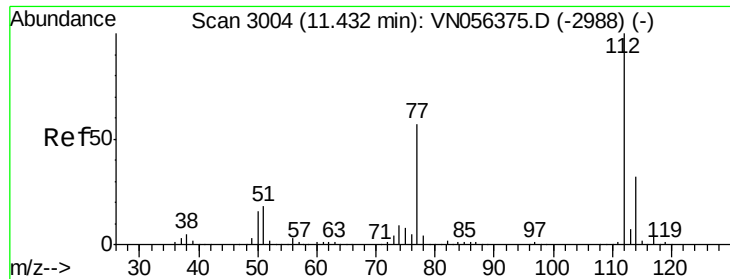
Tot Ion:117 Resp: 440882
Ion Ratio Lower Upper
117 100
82 52.7 42.0 63.0
119 32.9 25.3 37.9



#64
Tetrachloroethene
Concen: 19.408 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion:164 Resp: 67762
Ion Ratio Lower Upper
164 100
166 127.8 103.4 155.0
129 89.5 72.0 108.0
131 89.9 70.2 105.2

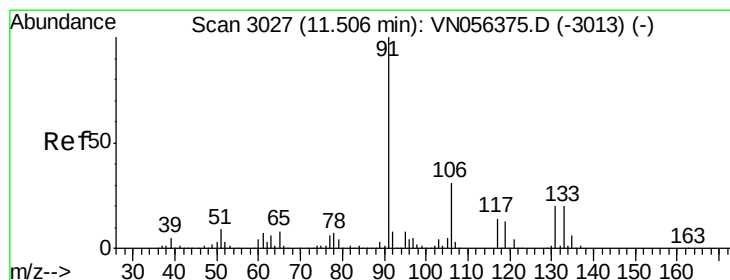
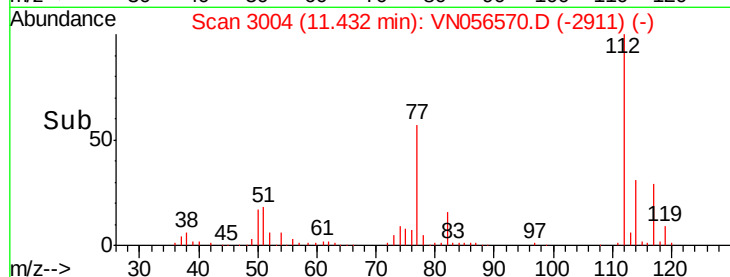
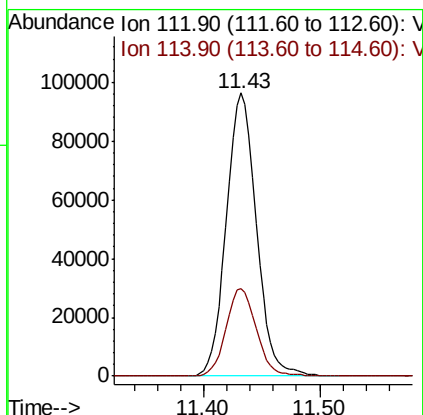
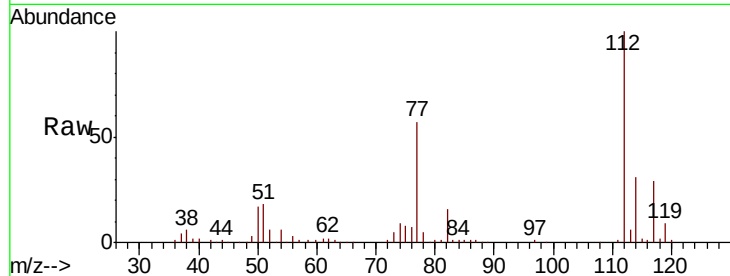




#65
Chlorobenzene
Concen: 19.470 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

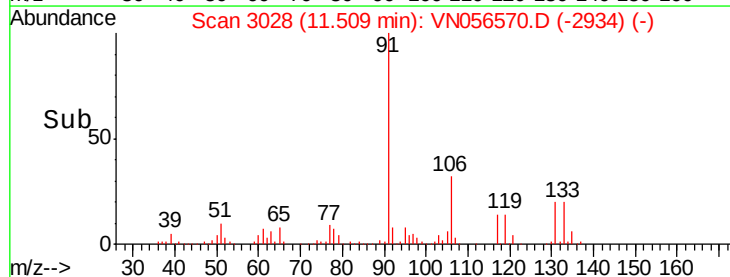
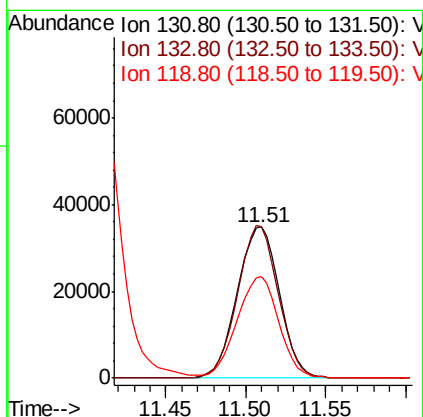
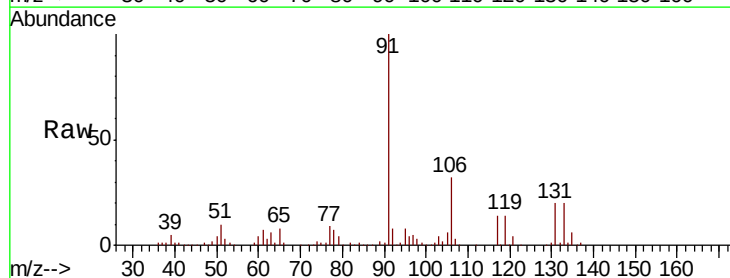
Instrument :
MSVOA_N
ClientSampled :
VN0701WBSD01

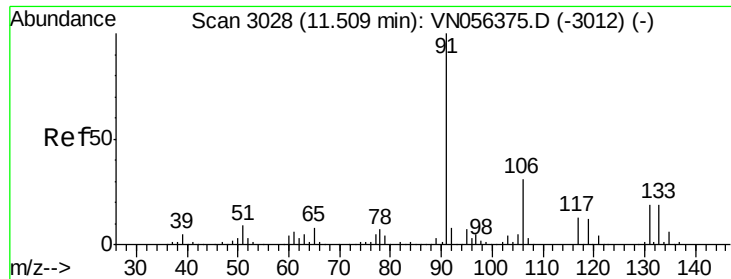
Tot Ion:112 Resp: 172483
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.927 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion:131 Resp: 62658
Ion Ratio Lower Upper
131 100
133 97.6 47.4 142.2
119 67.2 32.8 98.4

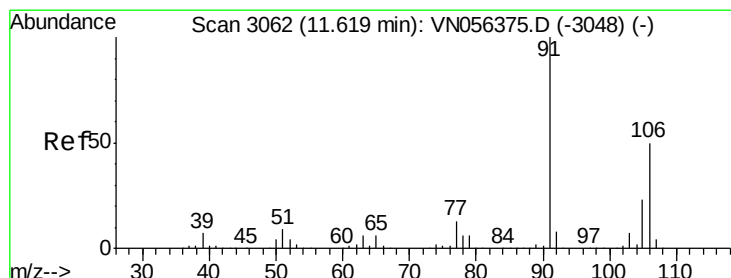
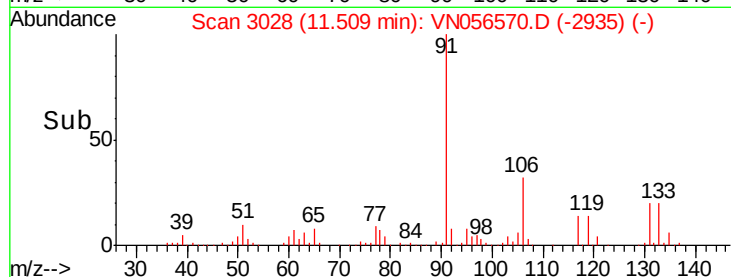
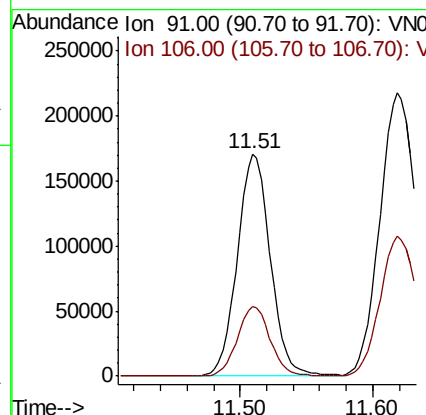
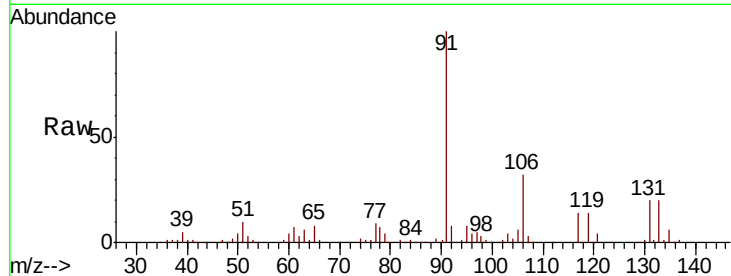




#67
Ethyl Benzene
Concen: 18.968 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

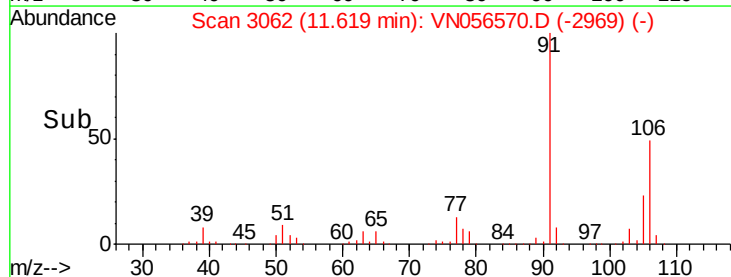
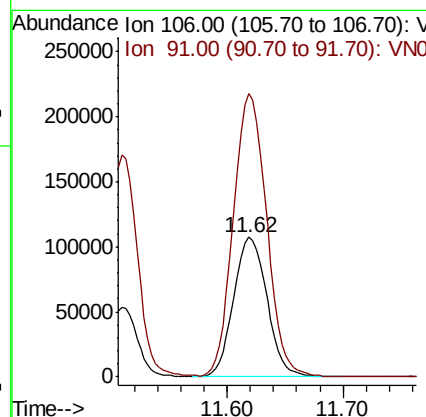
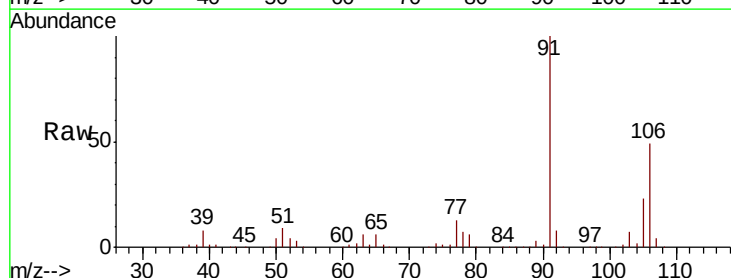
Instrument :
MSVOA_N
ClientSampled :
VN0701WBSD01

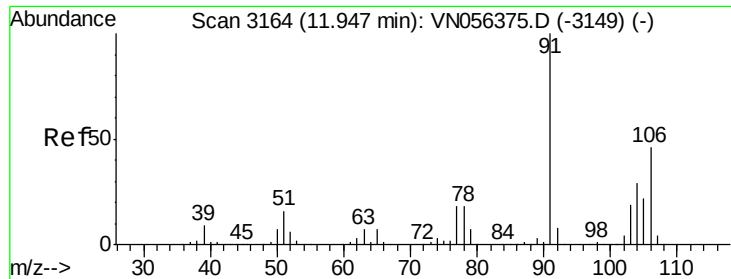
Tot Ion: 91 Resp: 295054
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 37.752 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 106 Resp: 215208
Ion Ratio Lower Upper
106 100
91 200.8 160.1 240.1

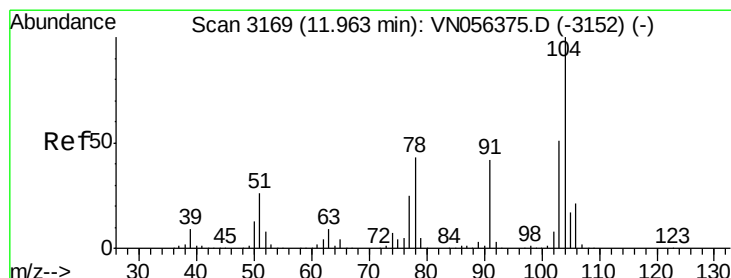
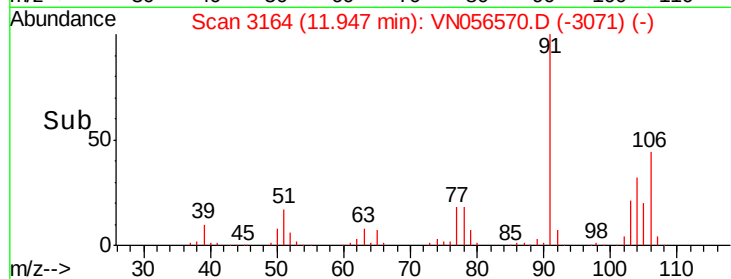
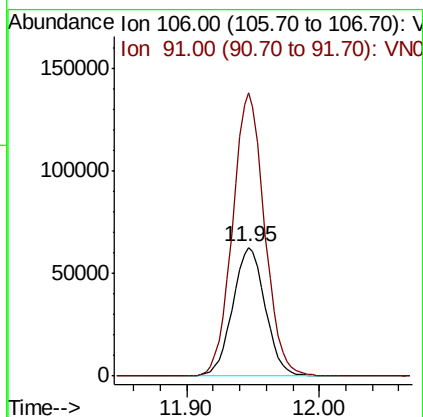
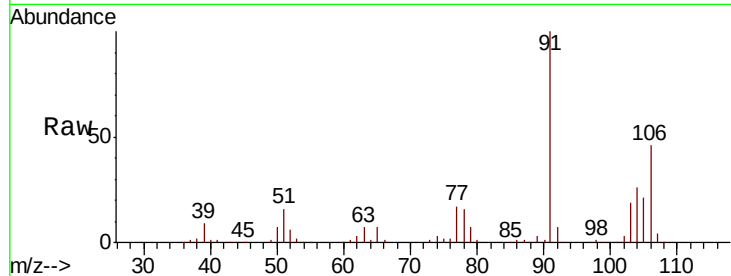




#69
o-Xylene
Concen: 18.974 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

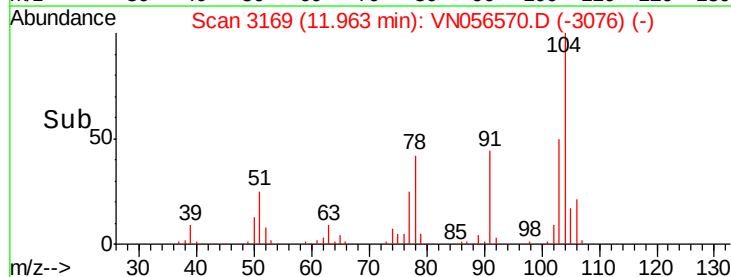
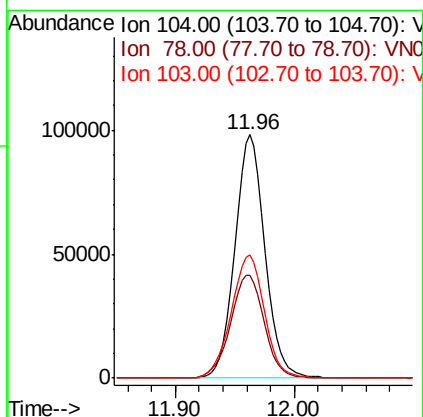
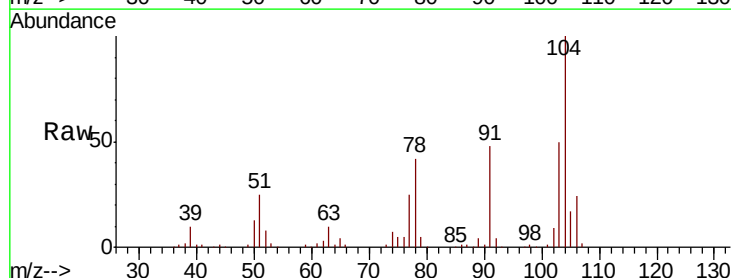
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

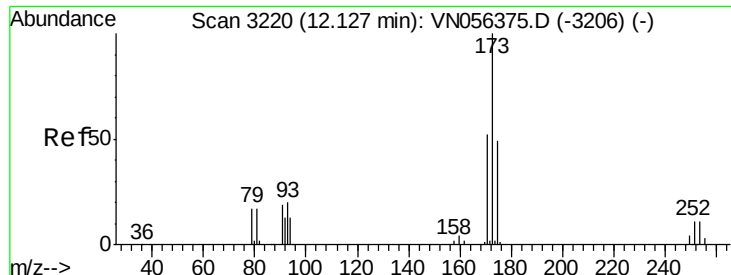
Tot Ion:106 Resp: 107009
Ion Ratio Lower Upper
106 100
91 215.7 107.1 321.3



#70
Styrene
Concen: 19.057 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion:104 Resp: 171789
Ion Ratio Lower Upper
104 100
78 47.4 38.6 57.8
103 55.9 43.9 65.9





#71

Bromoform

Concen: 19.052 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

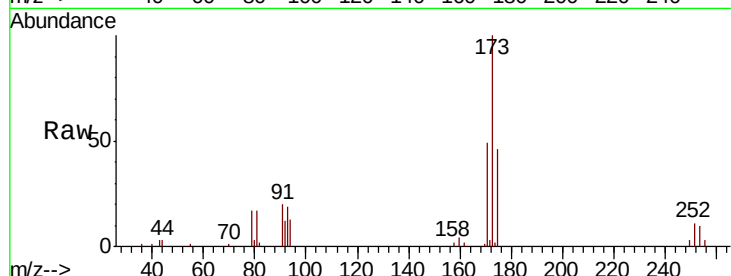
Tot Ion:173 Resp: 41005

Ion Ratio Lower Upper

173 100

175 48.4 24.4 73.4

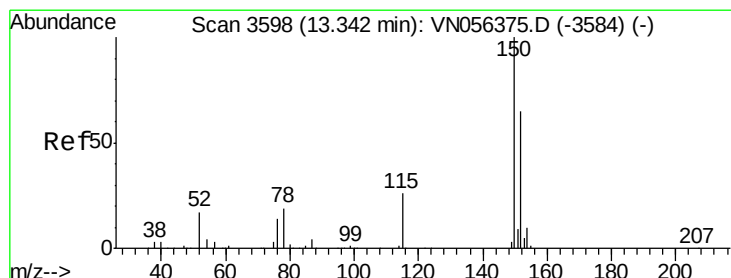
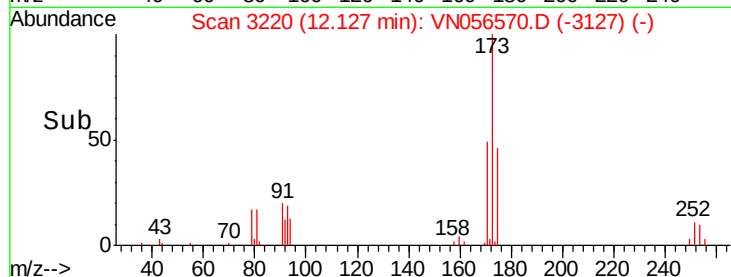
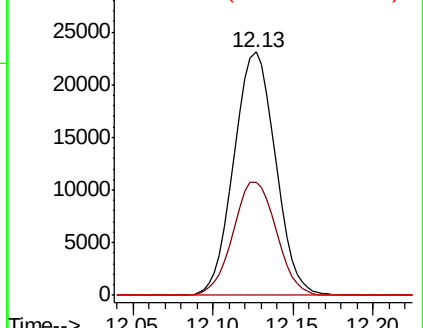
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

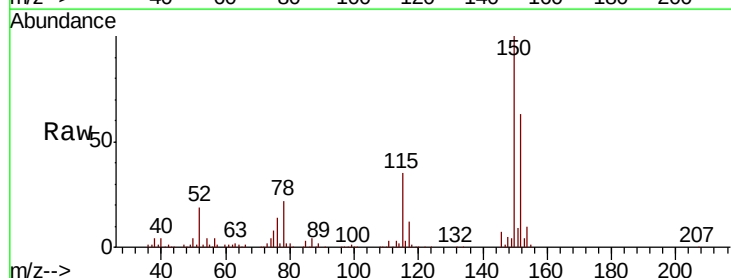
Tgt Ion:152 Resp: 155399

Ion Ratio Lower Upper

152 100

115 54.8 28.1 84.4

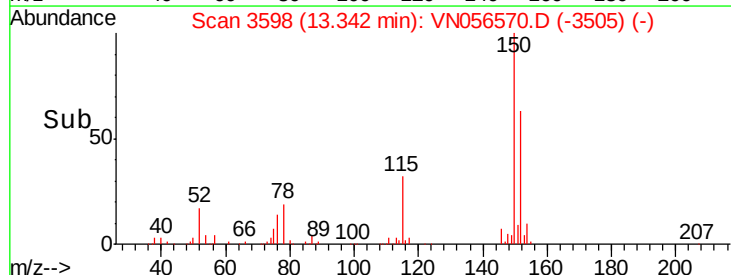
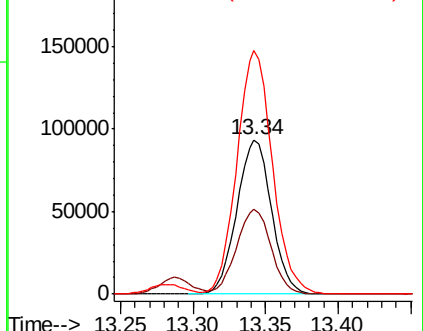
150 161.7 0.0 348.4

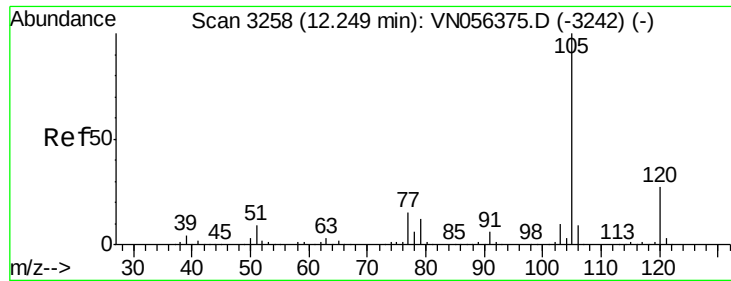


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.042 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

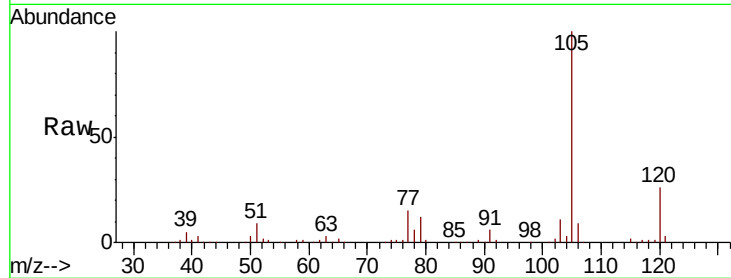
VN0701WBSD01

Tot Ion:105 Resp: 285863

Ion Ratio Lower Upper

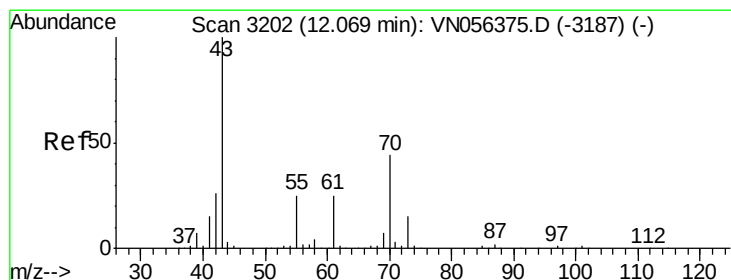
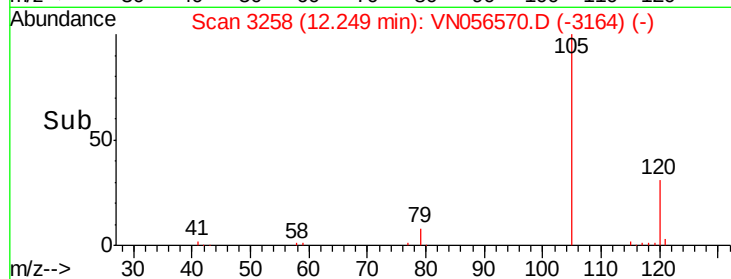
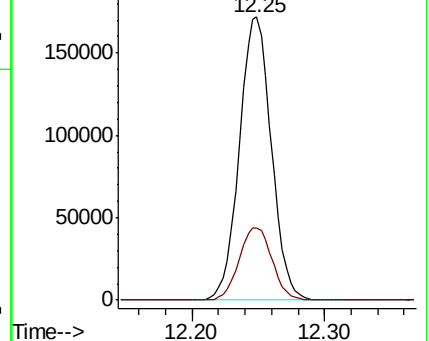
105 100

120 26.5 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.670 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Tgt Ion: 43 Resp: 107172

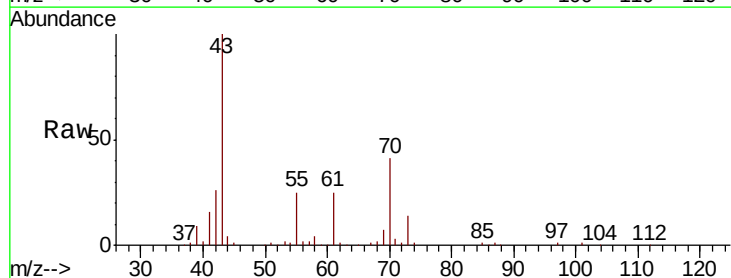
Ion Ratio Lower Upper

43 100

70 41.8 34.9 52.3

55 25.3 20.4 30.6

61 23.6 19.8 29.8

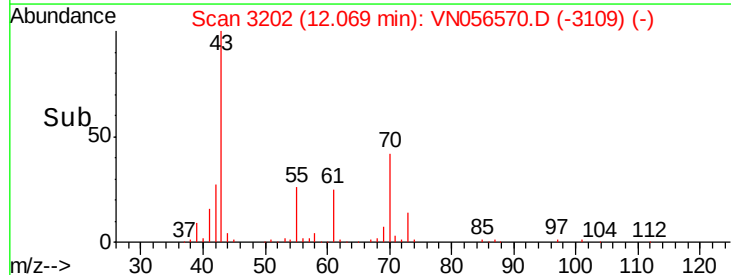
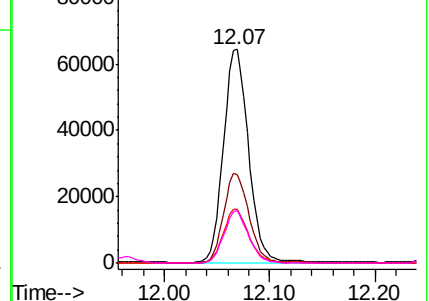


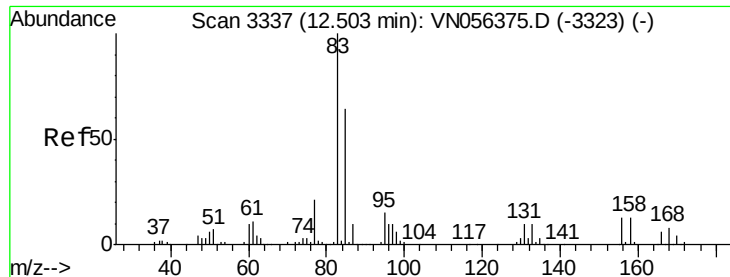
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 24.511 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

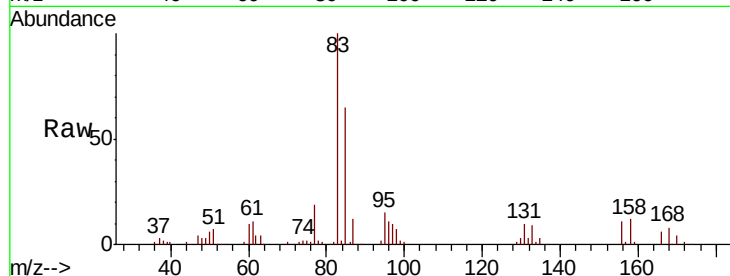
Tot Ion: 83 Resp: 94233

Ion Ratio Lower Upper

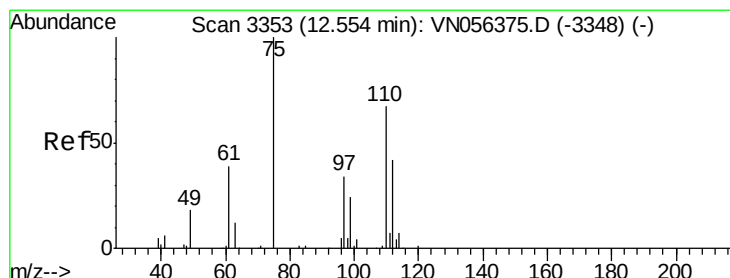
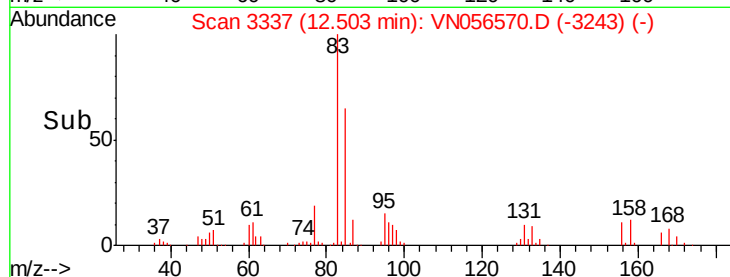
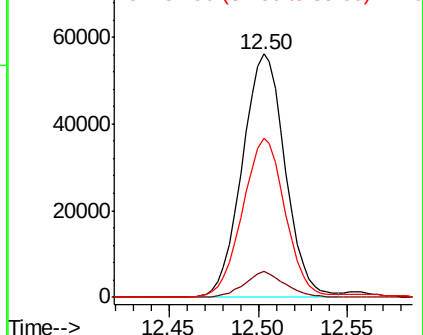
83 100

131 9.9 5.3 15.8

85 65.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.979 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056570.D

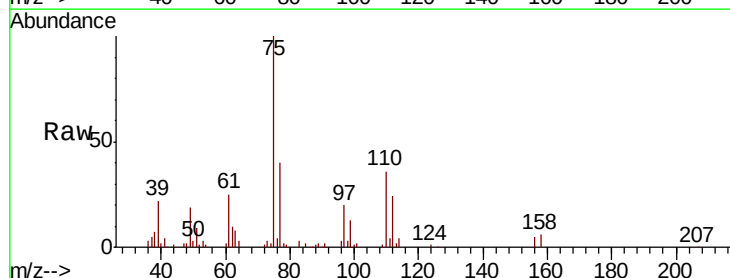
Acq: 1 Jul 2019 14:24

Tgt Ion: 75 Resp: 106267

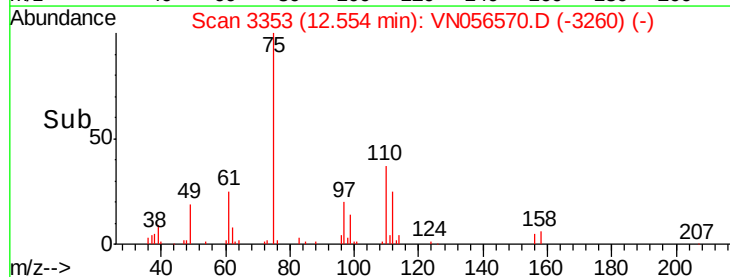
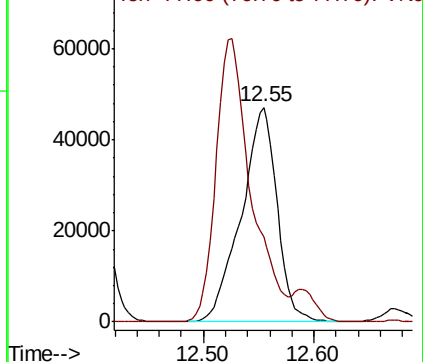
Ion Ratio Lower Upper

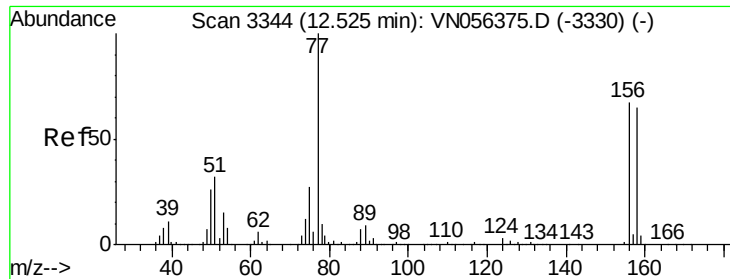
75 100

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: 20.862 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

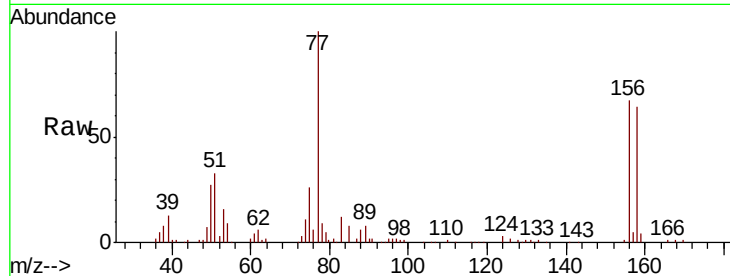
Tot Ion:156 Resp: 72491

Ion Ratio Lower Upper

156 100

77 189.3 92.5 277.3

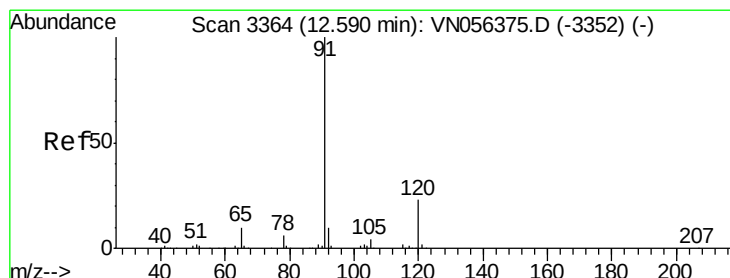
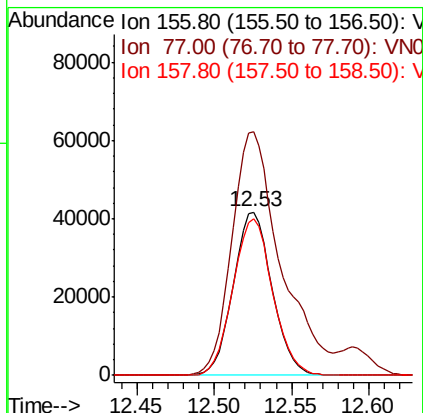
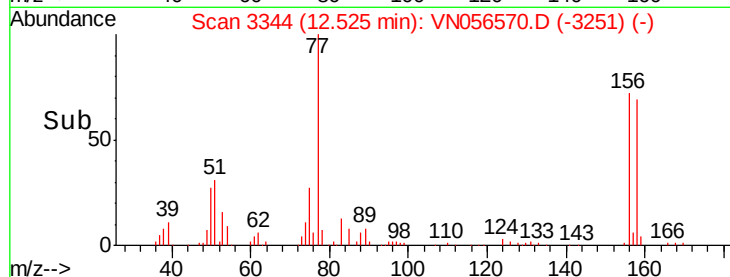
158 98.2 48.7 146.1



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: 20.286 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056570.D

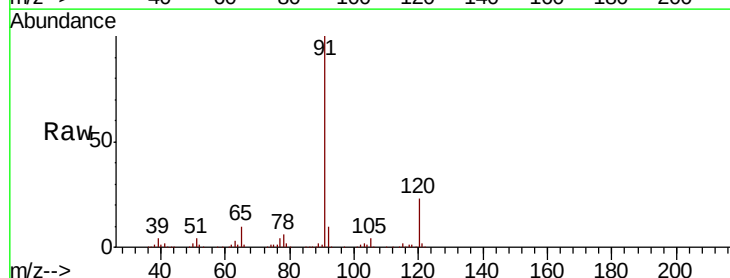
Acq: 1 Jul 2019 14:24

Tgt Ion: 91 Resp: 288685

Ion Ratio Lower Upper

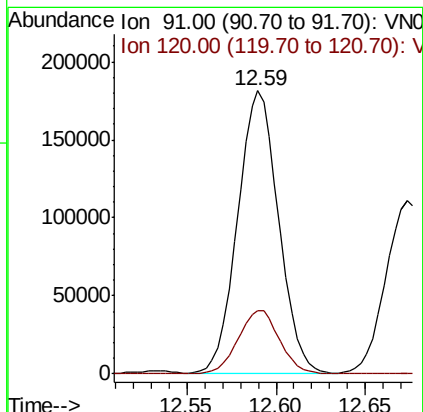
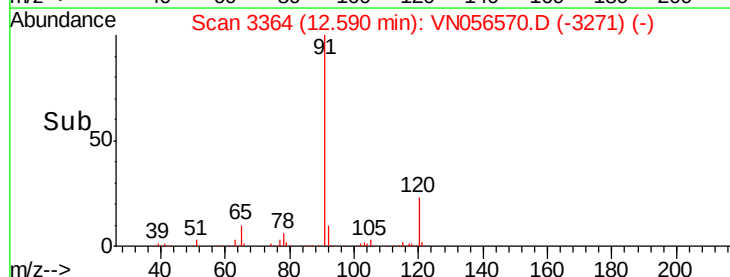
91 100

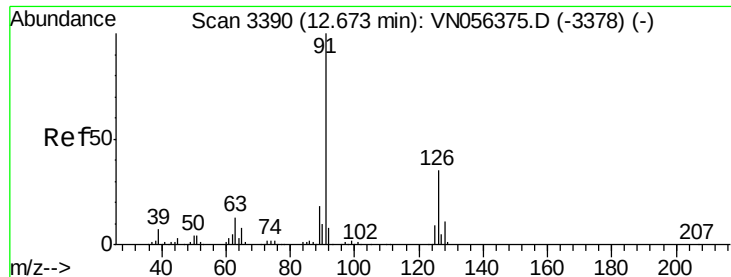
120 22.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.518 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

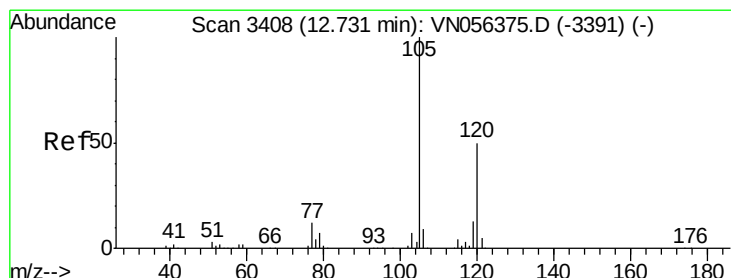
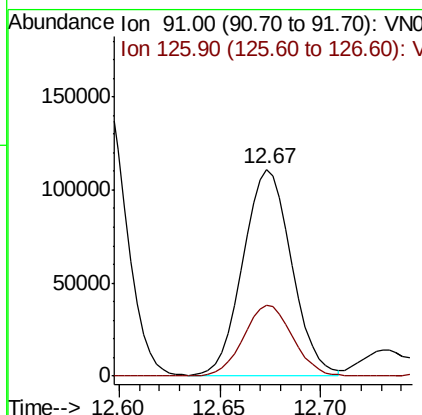
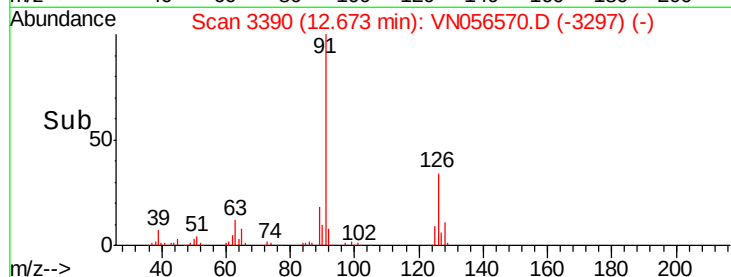
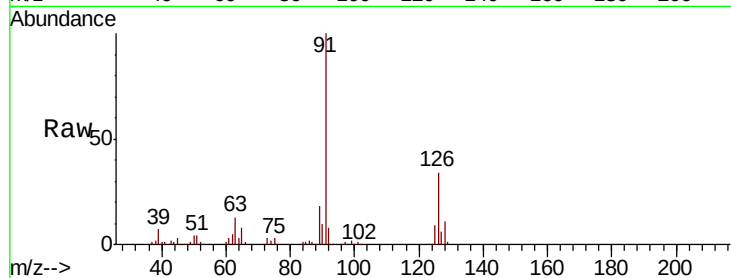
VN0701WBSD01

Tot Ion: 91 Resp: 186565

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.611 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056570.D

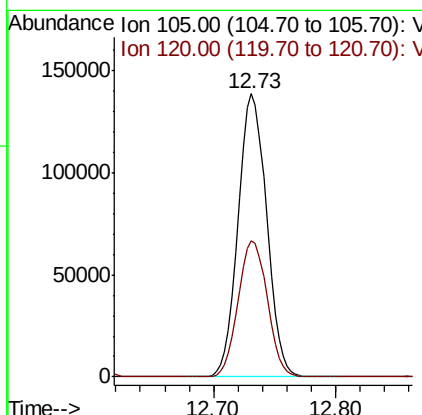
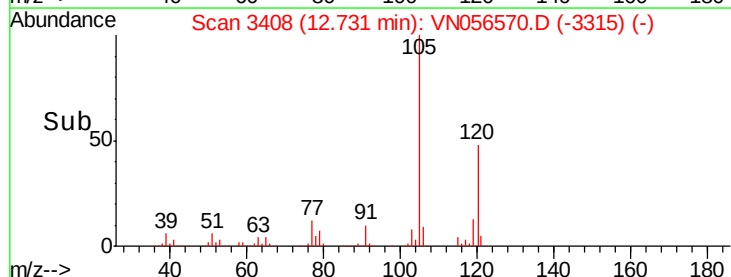
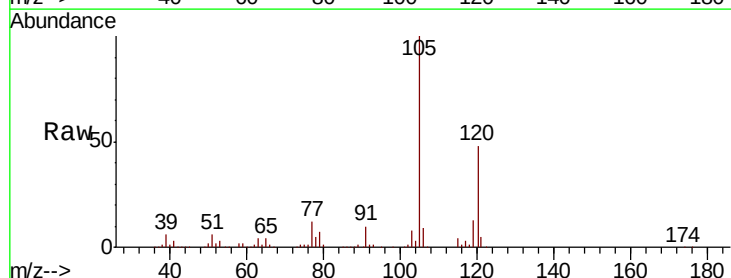
Acq: 1 Jul 2019 14:24

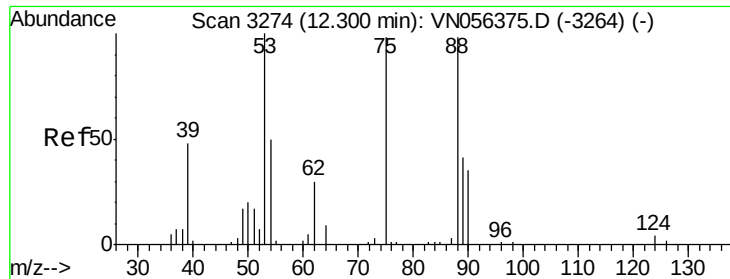
Tgt Ion: 105 Resp: 223896

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.939 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

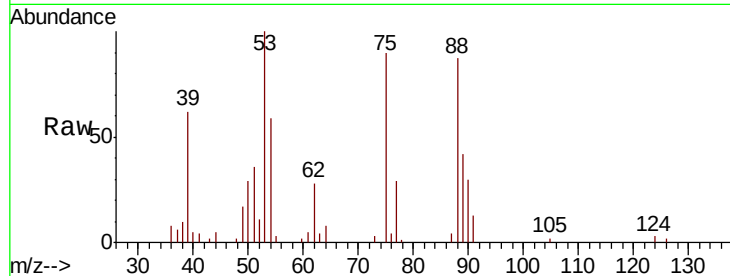
Tot Ion: 75 Resp: 19890

Ion Ratio Lower Upper

75 100

53 112.1 83.9 125.9

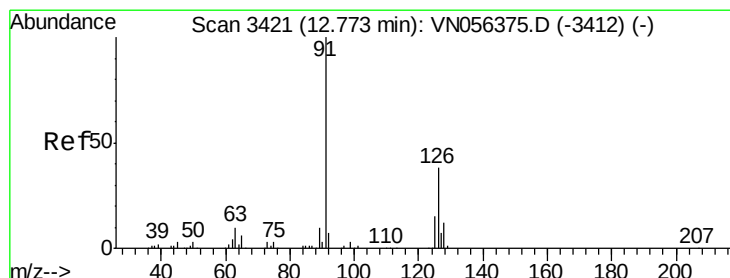
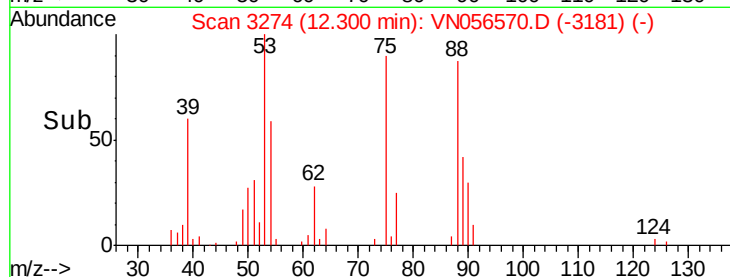
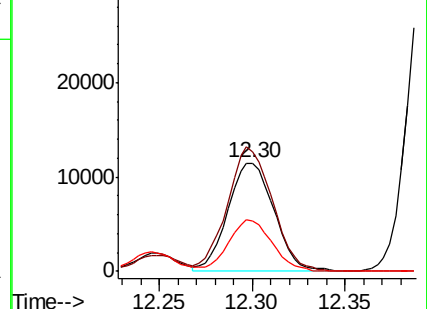
89 44.5 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.583 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056570.D

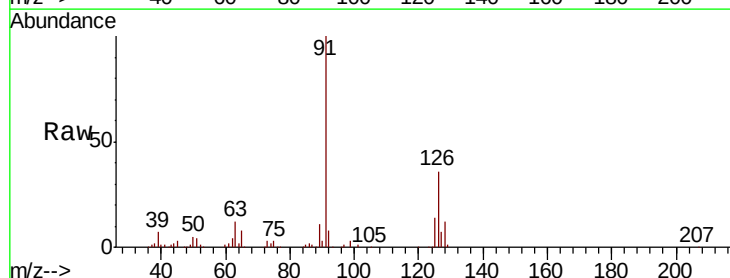
Acq: 1 Jul 2019 14:24

Tgt Ion: 91 Resp: 164545

Ion Ratio Lower Upper

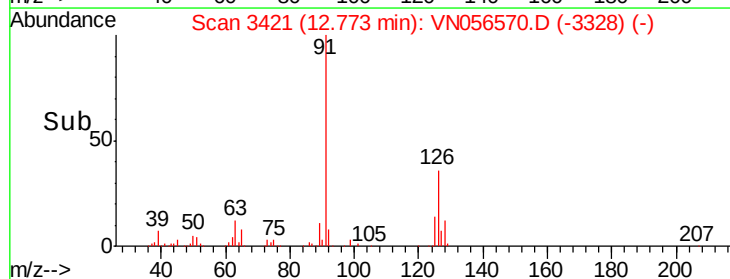
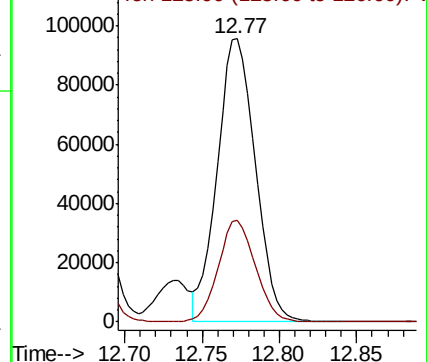
91 100

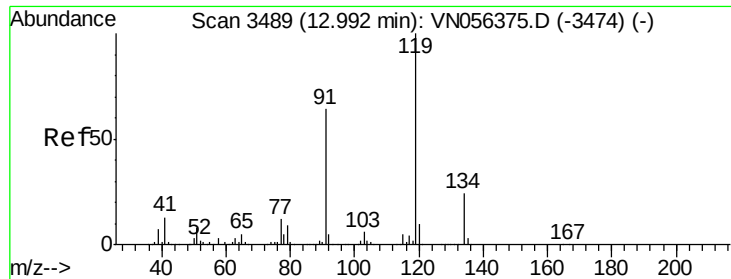
126 34.8 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

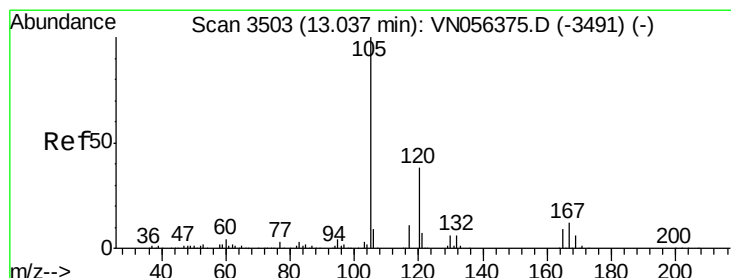
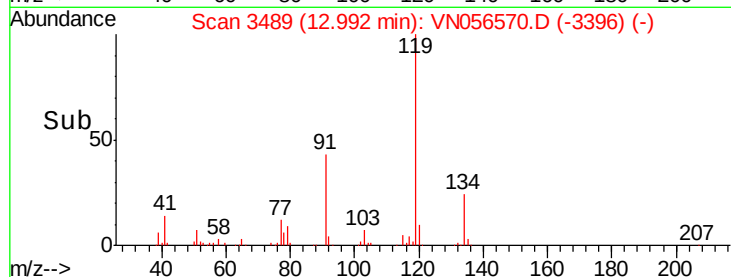
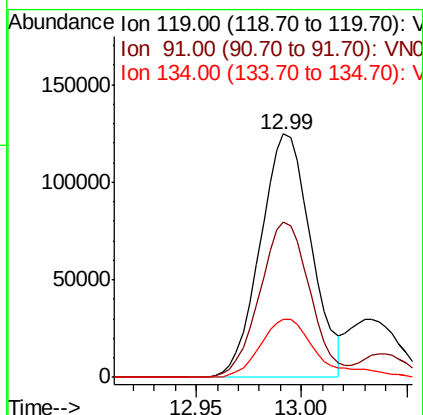
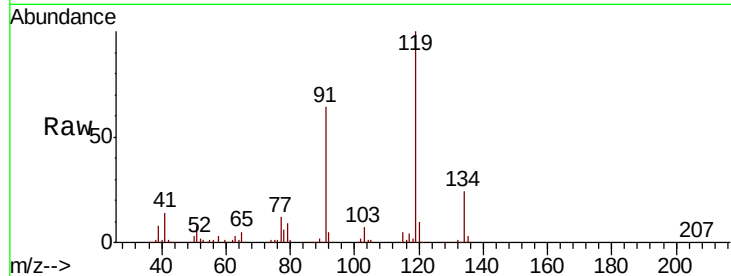




#83
 tert-Butylbenzene
 Concen: 23.035 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

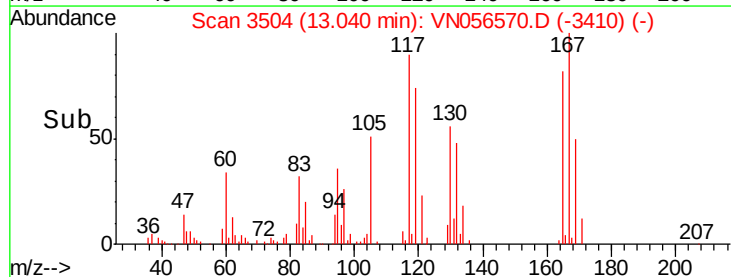
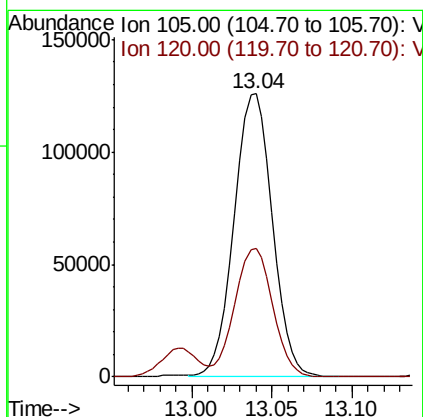
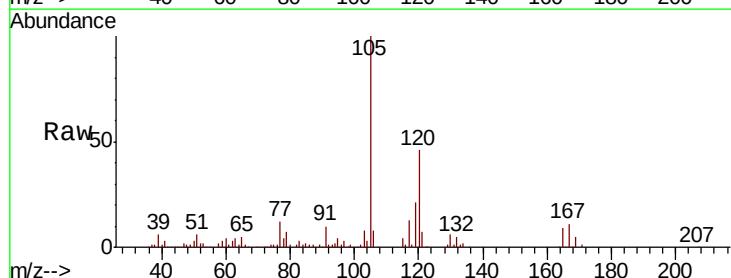
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

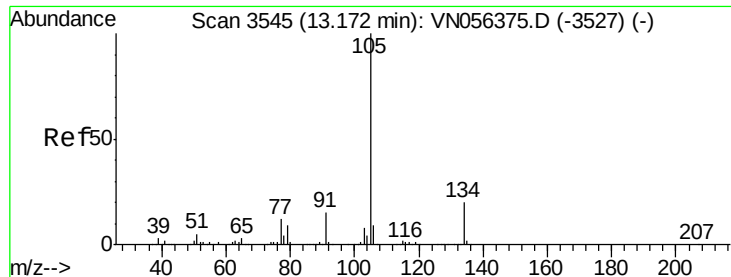
Tot Ion:119 Resp: 208990
 Ion Ratio Lower Upper
 119 100
 91 63.0 31.6 94.7
 134 26.8 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.547 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion:105 Resp: 204484
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.291 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

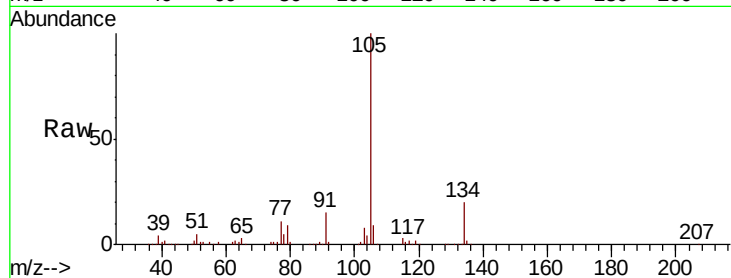
VN0701WBSD01

Tot Ion:105 Resp: 253804

Ion Ratio Lower Upper

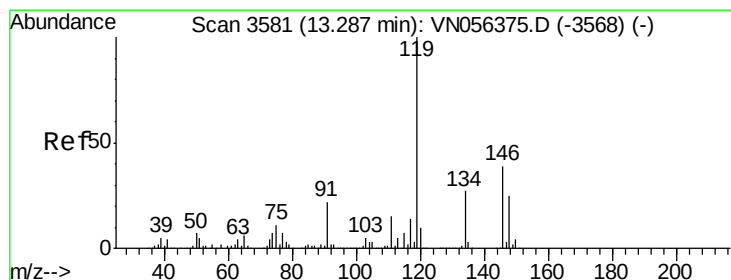
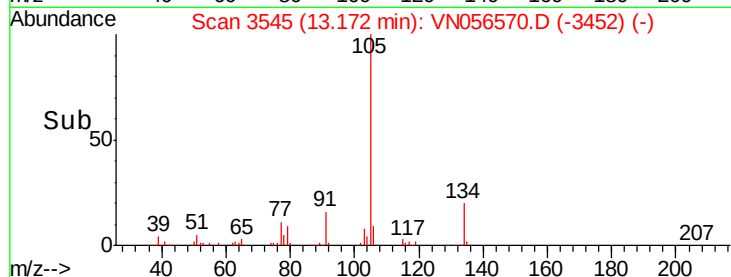
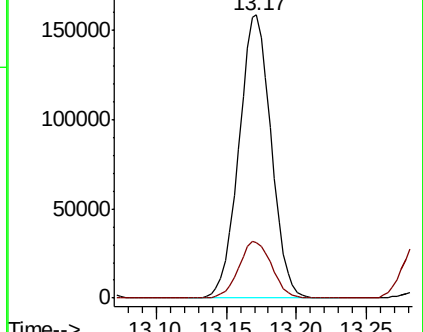
105 100

134 20.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.908 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

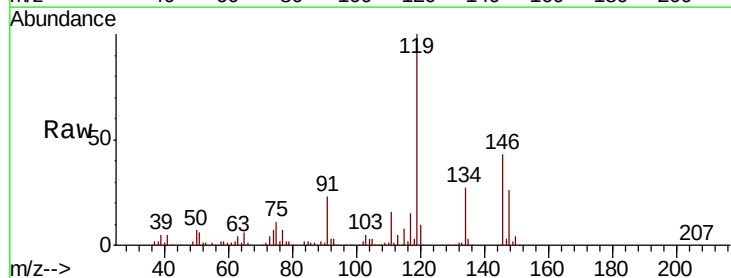
Tgt Ion:119 Resp: 202967

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

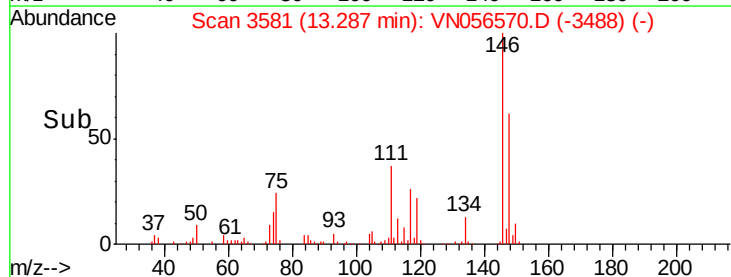
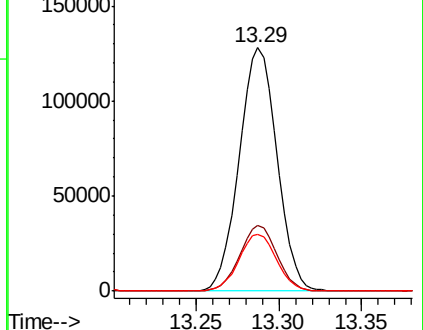
91 23.2 11.2 33.5

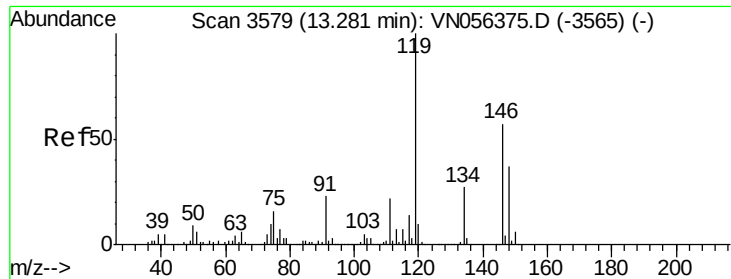


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

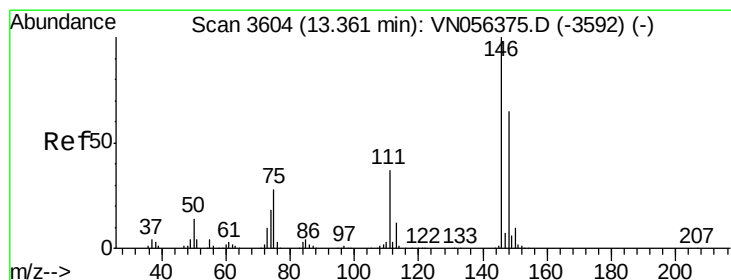
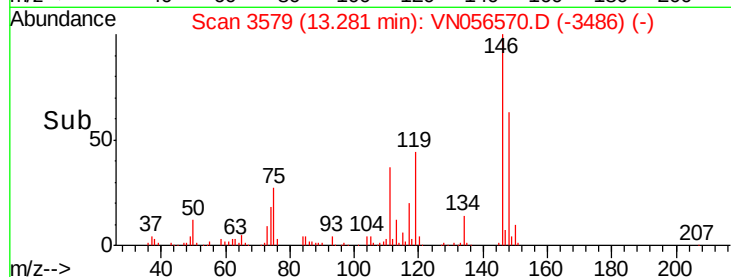
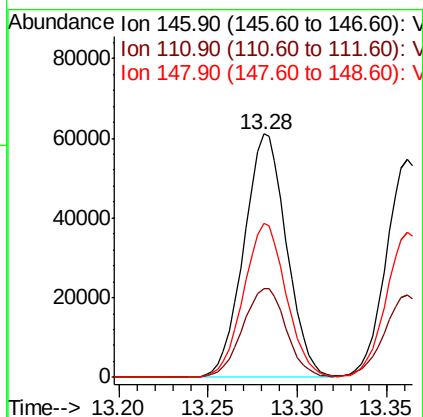
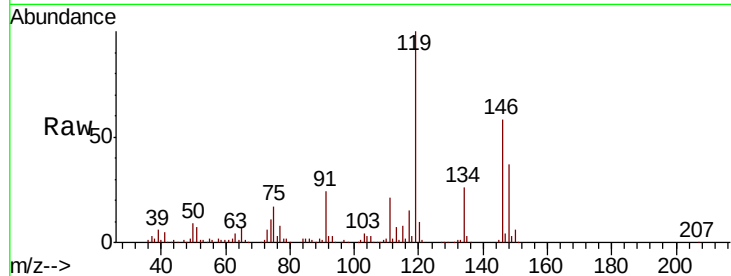




#87
 1,3-Dichlorobenzene
 Concen: 19.415 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

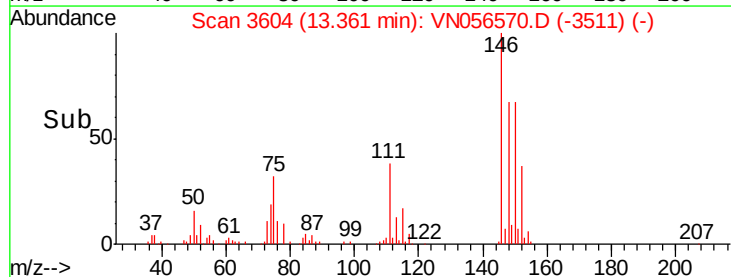
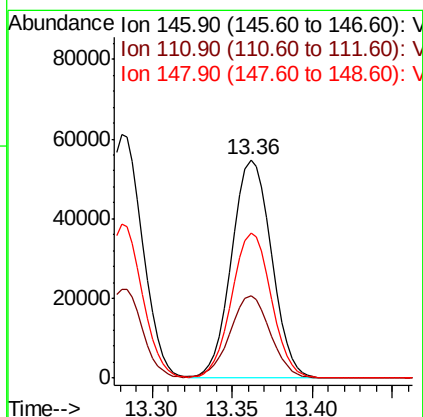
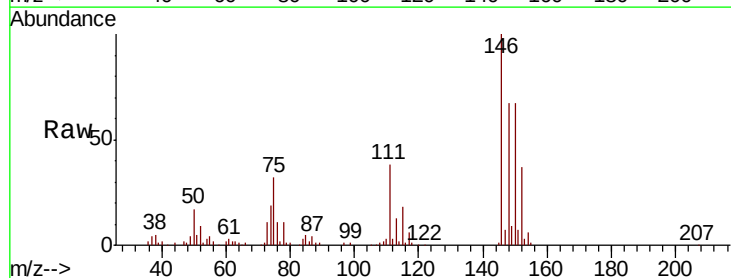
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

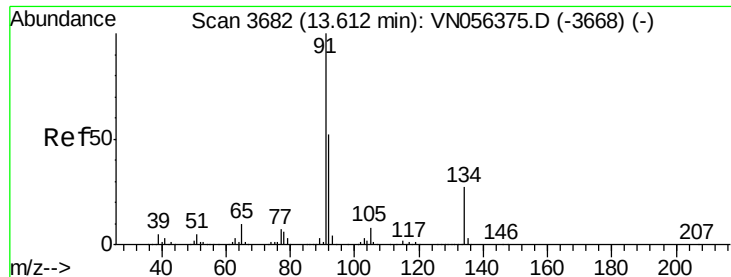
Tot Ion:146 Resp: 102238
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.9 56.9
 148 63.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.299 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion:146 Resp: 93322
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.4 55.4
 148 65.9 32.4 97.0





#89

n-Butylbenzene

Concen: 16.553 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

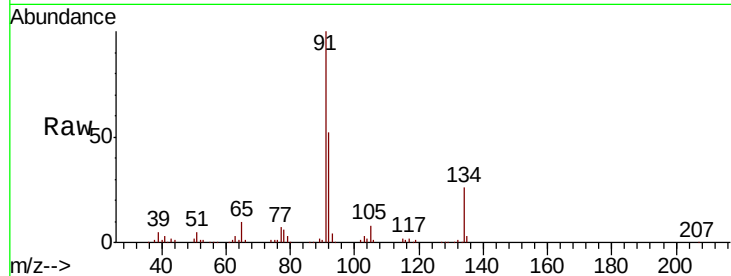
Tot Ion: 91 Resp: 134516

Ion Ratio Lower Upper

91 100

92 51.4 26.2 78.5

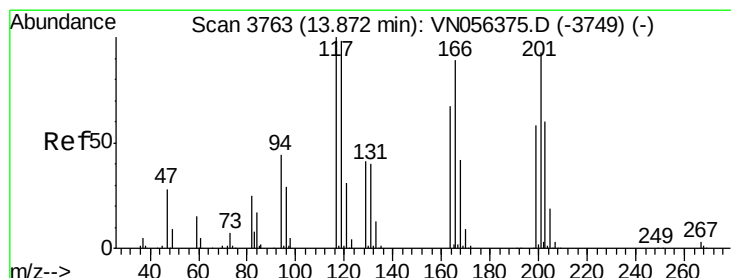
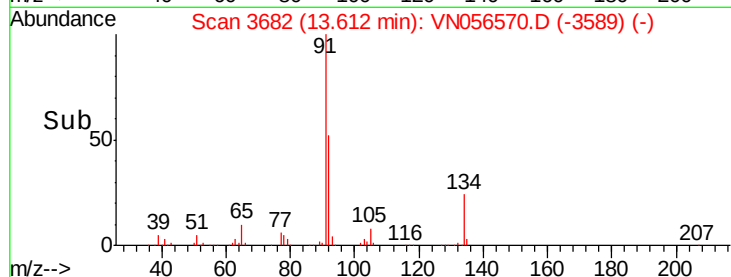
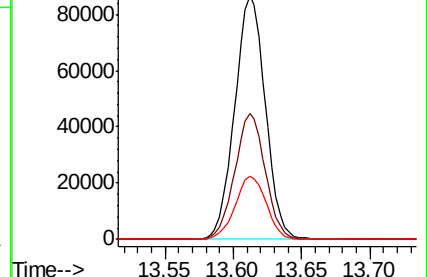
134 26.5 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN056375.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN056375.D (-3668) (-)



#90

Hexachloroethane

Concen: 22.029 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056570.D

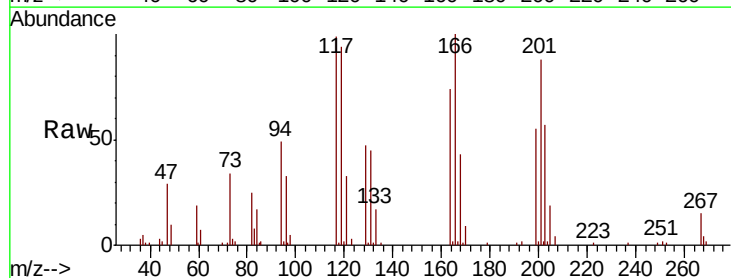
Acq: 1 Jul 2019 14:24

Tgt Ion: 117 Resp: 36867

Ion Ratio Lower Upper

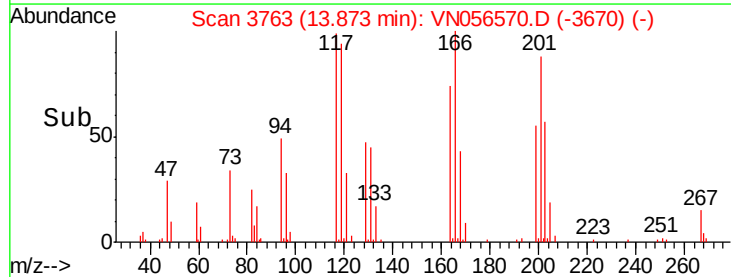
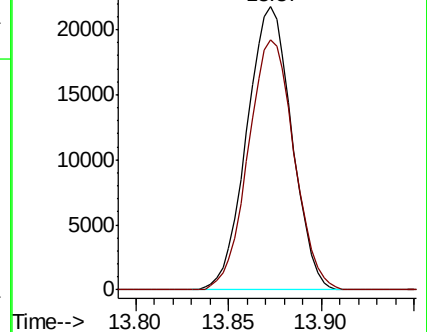
117 100

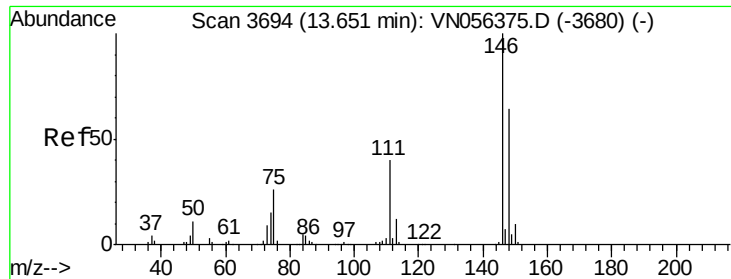
201 89.7 45.9 137.6



Abundance Ion 116.80 (116.50 to 117.50): VN056375.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056375.D (-3749) (-)

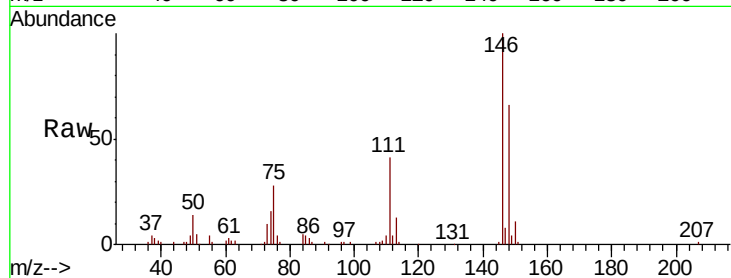




#91
 1,2-Dichlorobenzene
 Concen: 19.414 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	64.9	32.0	96.0

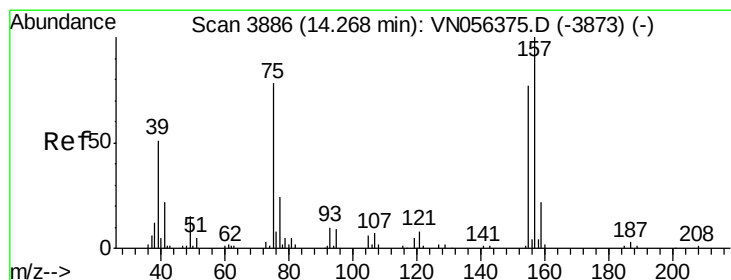
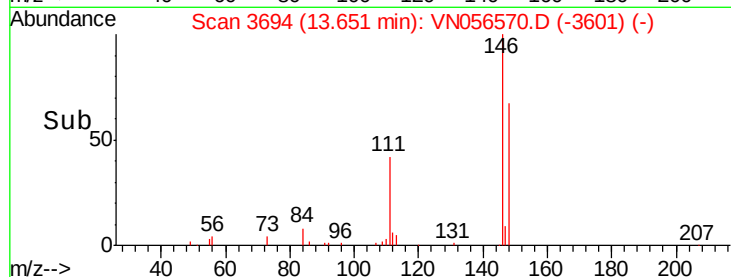
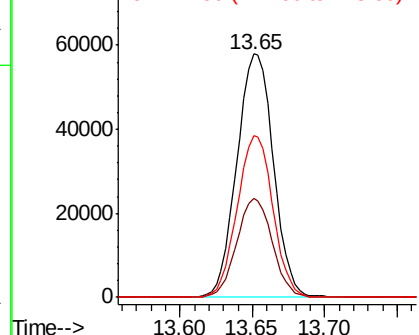


Abundance

Ion 145.90 (145.60 to 146.60): V

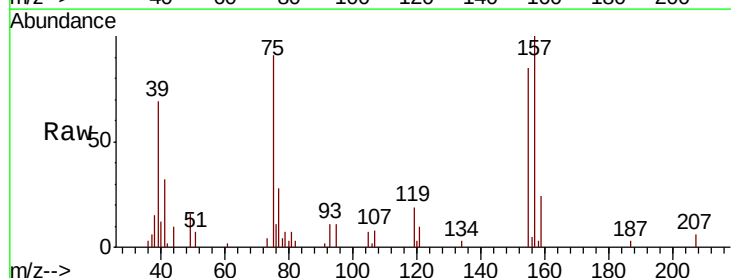
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.765 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.9	146.8
157	123.2	62.9	188.8

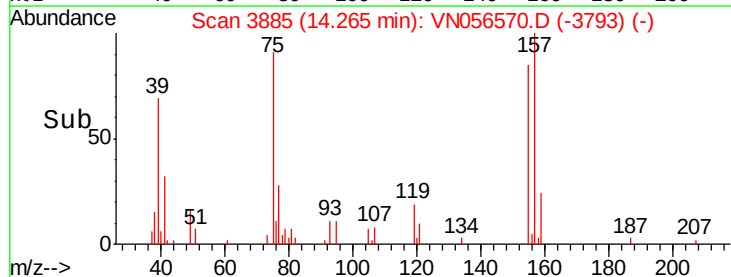
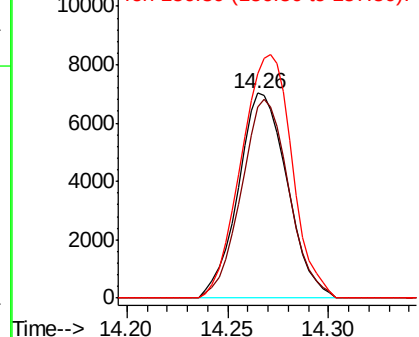


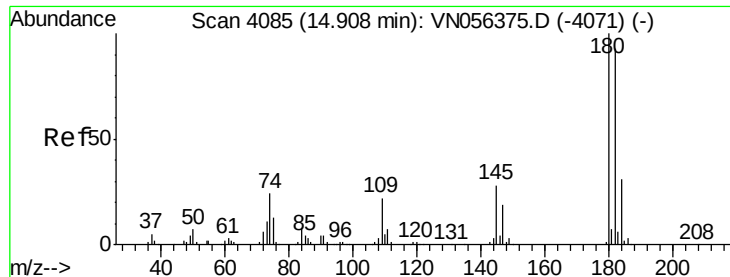
Abundance

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

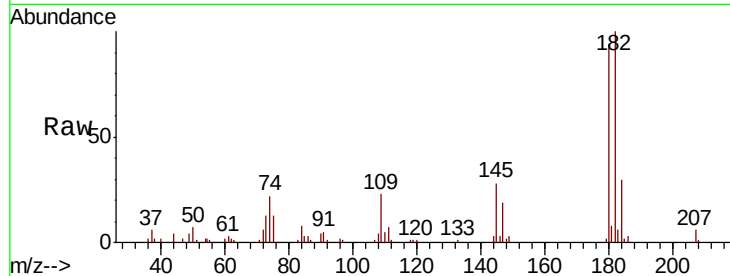




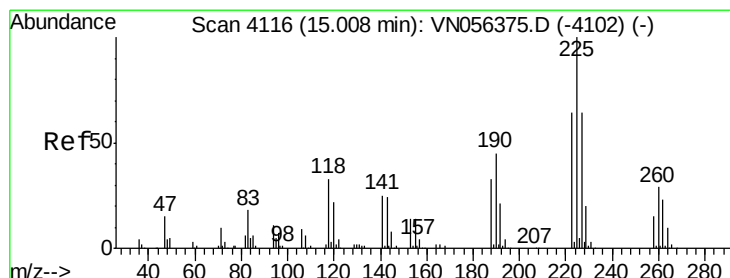
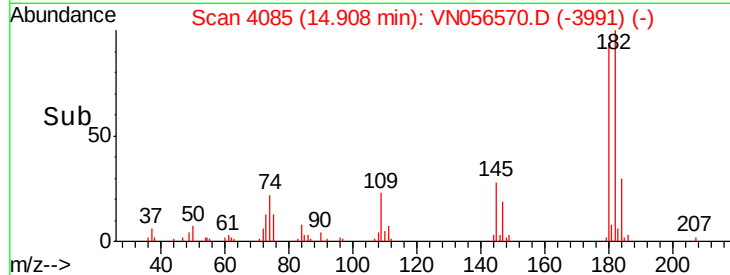
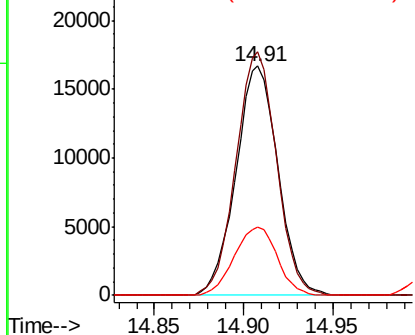
#93
 1,2,4-Trichlorobenzene
 Concen: 14.553 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion:180 Resp: 27397
 Ion Ratio Lower Upper
 180 100
 182 102.3 46.9 140.6
 145 30.4 14.4 43.0

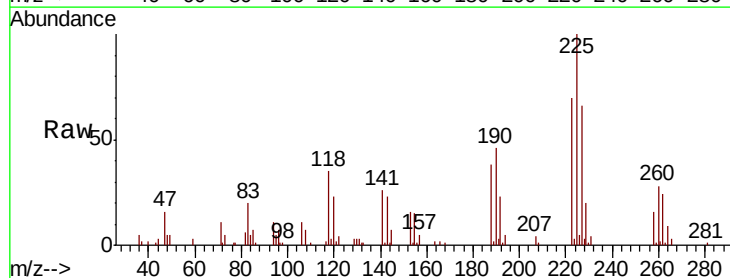


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

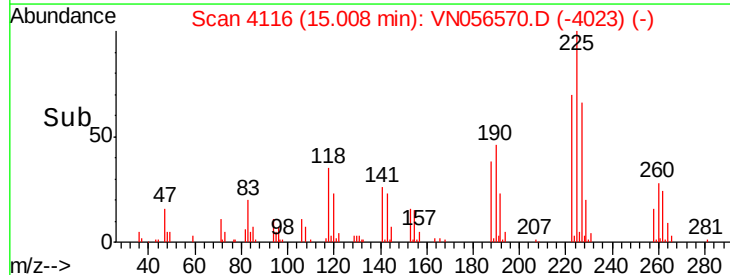
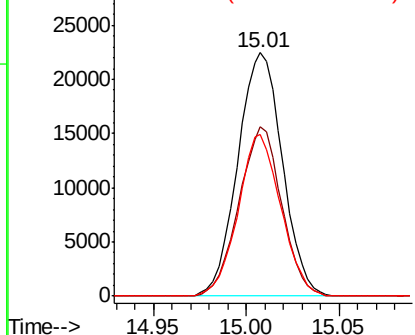


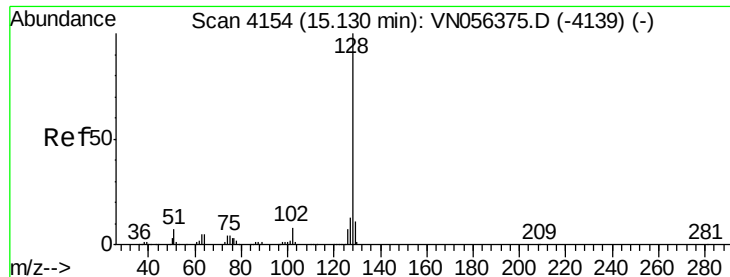
#94
 Hexachlorobutadiene
 Concen: 20.096 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion:225 Resp: 37568
 Ion Ratio Lower Upper
 225 100
 223 66.7 31.4 94.3
 227 63.6 32.1 96.3



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: 15.550 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

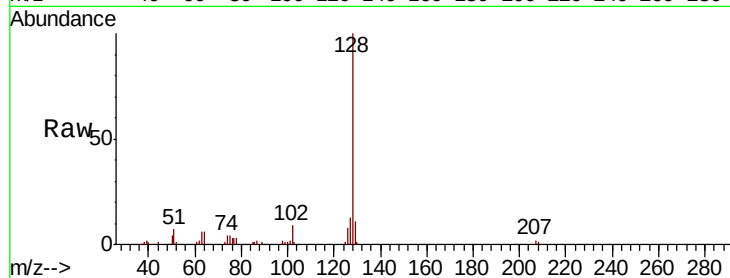
Tot Ion:128 Resp: 81861

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

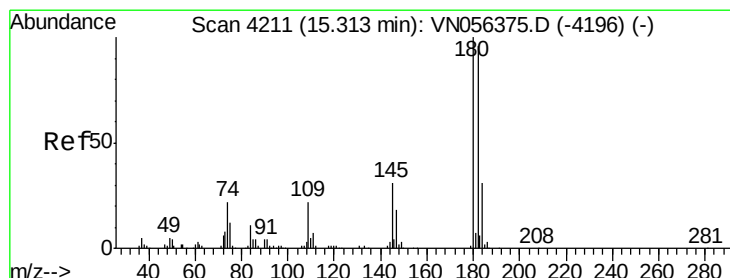
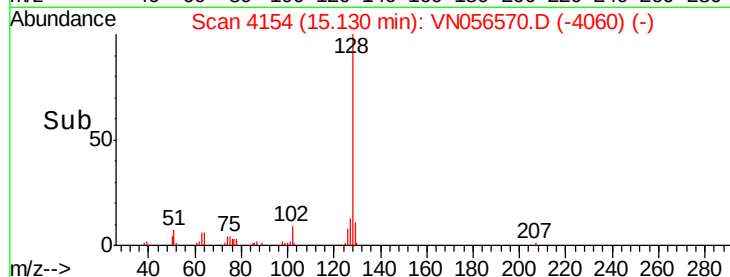
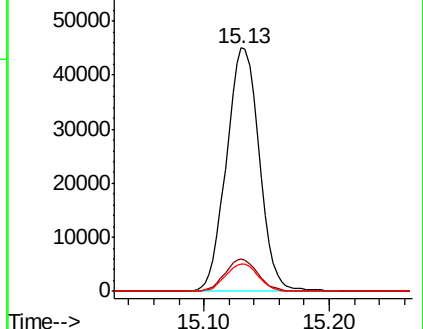
129 11.1 8.6 12.8



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: 15.393 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

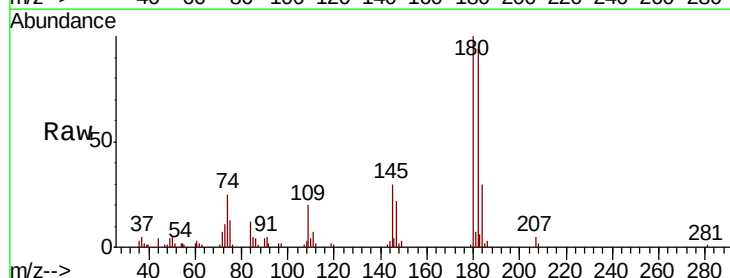
Tgt Ion:180 Resp: 33788

Ion Ratio Lower Upper

180 100

182 94.9 48.3 144.8

145 29.4 15.4 46.1



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

