

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056382.D
 Acq On : 19 Jun 2019 13:22
 Operator : JC/SP
 Sample : VN0619WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Quant Time: Jun 20 04:48:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 04:41:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	362547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	570258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182098	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	206343	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
35) Dibromofluoromethane	7.59	113	176989	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.09	98	677850	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	217102	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	64958	21.160	ug/l	98
3) Chloromethane	2.06	50	82792	19.807	ug/l	99
4) Vinyl Chloride	2.18	62	82636	20.469	ug/l	99
5) Bromomethane	2.54	94	49369	20.859	ug/l	97
6) Chloroethane	2.69	64	48242	20.634	ug/l	100
7) Trichlorofluoromethane	3.00	101	105771	20.254	ug/l	96
8) Diethyl Ether	3.41	74	44323	20.054	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66799	20.058	ug/l	99
10) Methyl Iodide	3.95	142	82778	18.390	ug/l	100
11) Tert butyl alcohol	4.80	59	75643	111.773	ug/l	98
12) 1,1-Dichloroethene	3.73	96	63679	19.883	ug/l	99
13) Acrolein	3.61	56	55072	96.553	ug/l	99
14) Allyl chloride	4.32	41	104986	19.692	ug/l	97
15) Acrylonitrile	4.99	53	188509	100.686	ug/l	99
16) Acetone	3.82	43	184101	91.449	ug/l	100
17) Carbon Disulfide	4.05	76	139456	19.144	ug/l	100
18) Methyl Acetate	4.33	43	82927	20.520	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	214324	20.224	ug/l	99
20) Methylene Chloride	4.55	84	78388	20.123	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	69785	20.209	ug/l	98
22) Diisopropyl ether	5.95	45	226042	20.189	ug/l	100
23) Vinyl Acetate	5.90	43	922020	104.407	ug/l	99
24) 1,1-Dichloroethane	5.85	63	129221	20.106	ug/l	100
25) 2-Butanone	6.84	43	261646	98.200	ug/l	99
26) 2,2-Dichloropropane	6.83	77	85037	19.024	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	82743	20.482	ug/l	99
28) Bromochloromethane	7.20	49	66813	21.017	ug/l	100
29) Tetrahydrofuran	7.21	42	169670	104.205	ug/l	99
30) Chloroform	7.37	83	128203	20.215	ug/l	99
31) Cyclohexane	7.65	56	123225	19.860	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	101767	20.244	ug/l	99
36) 1,1-Dichloropropene	7.79	75	95416	19.010	ug/l	99
37) Ethyl Acetate	6.93	43	100278	20.329	ug/l	98
38) Carbon Tetrachloride	7.77	117	83194	18.954	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117809	19.022	ug/l	97
40) Benzene	8.04	78	307470	19.915	ug/l	98
41) Methacrylonitrile	7.18	41	43025	19.753	ug/l	96
42) 1,2-Dichloroethane	8.12	62	99049	19.439	ug/l	100
43) Isopropyl Acetate	8.17	43	146832	19.305	ug/l	98
44) Trichloroethene	8.83	130	81182	19.520	ug/l	98
45) 1,2-Dichloropropane	9.12	63	81543	19.749	ug/l	99
46) Dibromomethane	9.21	93	51679	20.005	ug/l	99
47) Bromodichloromethane	9.40	83	89700	19.578	ug/l	99
48) Methyl methacrylate	9.20	41	72219	18.947	ug/l	97
49) 1,4-Dioxane	9.20	88	29524	373.219	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	486772	99.155	ug/l	100
52) Toluene	10.16	92	189294	20.054	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	89258	18.651	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	108428	19.652	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	74301	19.583	ug/l	97
56) Ethyl methacrylate	10.43	69	111215	20.057	ug/l	99
57) 1,3-Dichloropropane	10.71	76	126049	19.775	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	178512	89.613	ug/l	100
59) 2-Hexanone	10.75	43	343371	95.166	ug/l	100
60) Dibromochloromethane	10.90	129	66781	18.690	ug/l	98
61) 1,2-Dibromoethane	11.00	107	77179	19.916	ug/l	99
64) Tetrachloroethene	10.63	164	77721	19.851	ug/l	98
65) Chlorobenzene	11.43	112	195854	19.715	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	67201	20.015	ug/l	98
67) Ethyl Benzene	11.51	91	343797	19.710	ug/l	99
68) m/p-Xylenes	11.62	106	254422	39.801	ug/l	98
69) o-Xylene	11.95	106	124808	19.735	ug/l	99
70) Styrene	11.96	104	201941	19.977	ug/l	99
71) Bromoform	12.13	173	43479	18.186	ug/l #	99
73) Isopropylbenzene	12.25	105	334135	22.977	ug/l	99
74) N-amyl acetate	12.07	43	116736	20.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	103984	22.891	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	116739	30.917	ug/l #	100
77) Bromobenzene	12.53	156	83298	20.458	ug/l	98
78) n-propylbenzene	12.59	91	342802	20.557	ug/l	100
79) 2-Chlorotoluene	12.67	91	216418	22.264	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	267887	22.115	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20004	18.830	ug/l	91
82) 4-Chlorotoluene	12.77	91	196440	19.951	ug/l	100
83) tert-Butylbenzene	12.99	119	239918	22.508	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	255316	20.827	ug/l	100
85) sec-Butylbenzene	13.17	105	303461	20.704	ug/l	100
86) p-Isopropyltoluene	13.29	119	258630	20.561	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	122981	19.930	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116811	19.547	ug/l	98
89) n-Butylbenzene	13.61	91	175310	18.410	ug/l	99
90) Hexachloroethane	13.87	117	39042	19.908	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	125301	20.467	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13739	20.391	ug/l	99

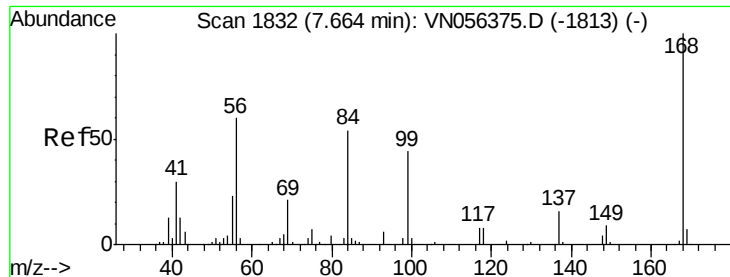
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41008	17.033	ug/l	98
94) Hexachlorobutadiene	15.01	225	45934	21.053	ug/l	100
95) Naphthalene	15.13	128	118297	17.953	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51135	18.573	ug/l	97

(#) = 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: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

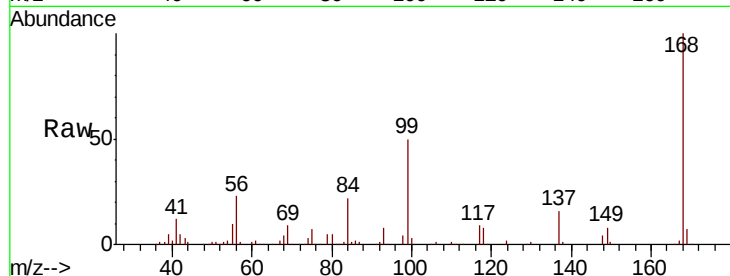
VN0619WBS01

Tot Ion:168 Resp: 362547

Ion Ratio Lower Upper

168 100

99 48.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

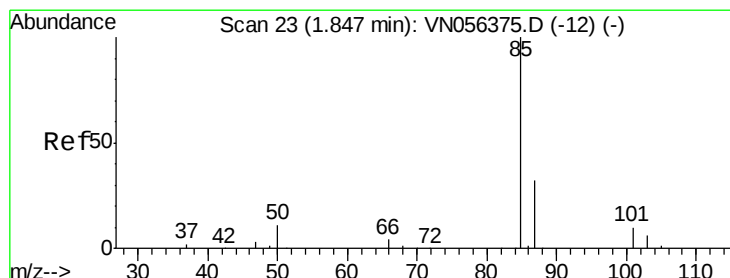
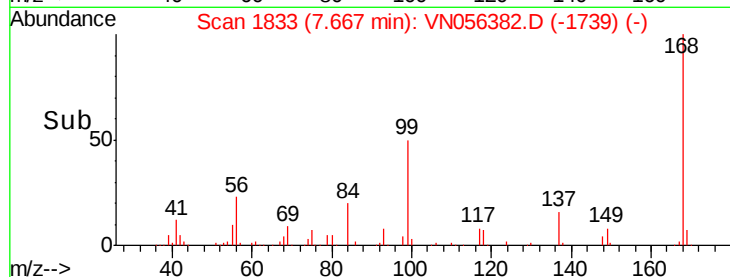
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.160 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056382.D

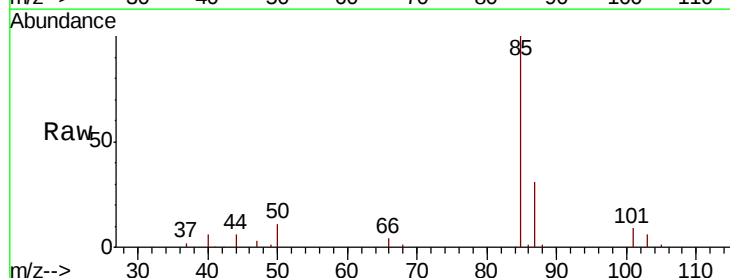
Acq: 19 Jun 2019 13:22

Tgt Ion: 85 Resp: 64958

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

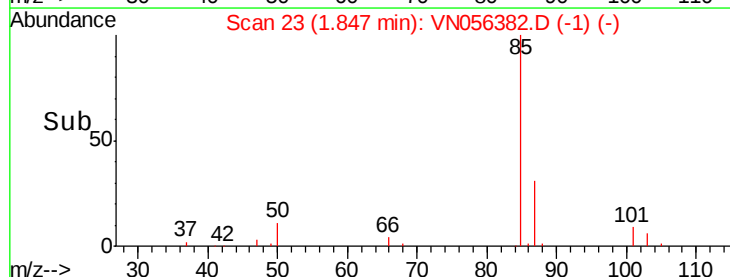
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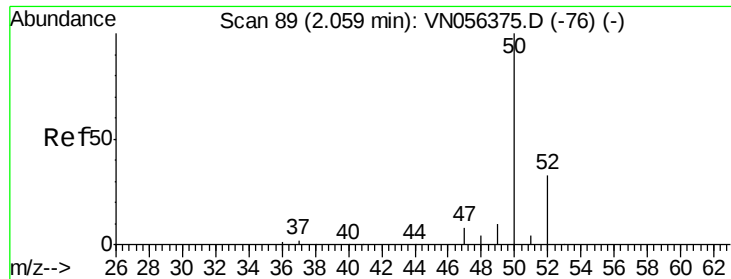
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.807 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

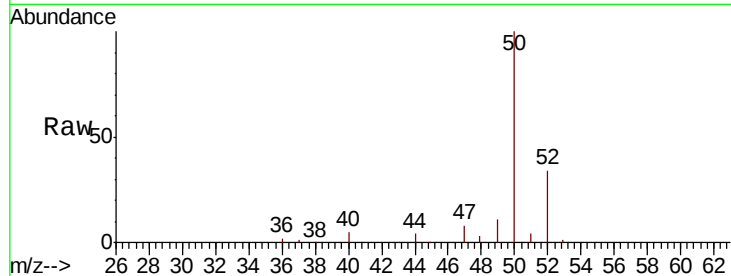
VN0619WBS01

Tot Ion: 50 Resp: 82792

Ion Ratio Lower Upper

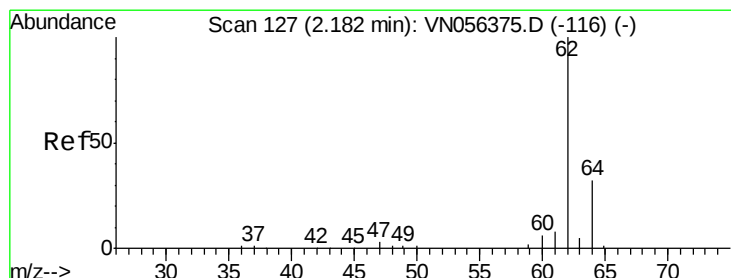
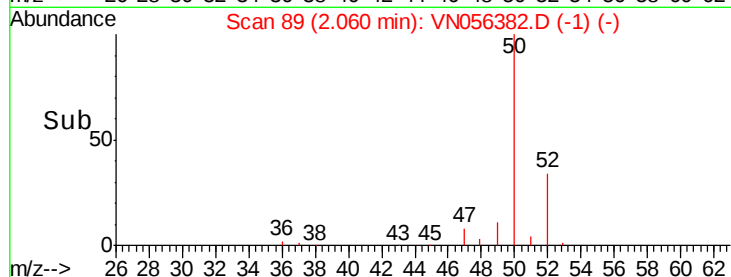
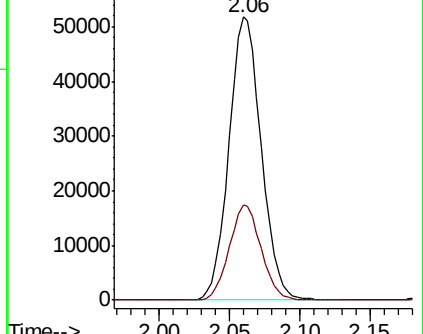
50 100

52 33.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.469 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056382.D

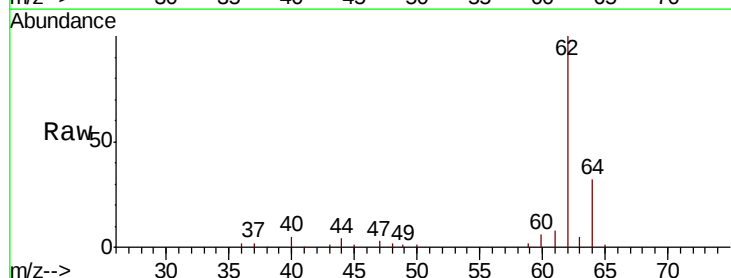
Acq: 19 Jun 2019 13:22

Tgt Ion: 62 Resp: 82636

Ion Ratio Lower Upper

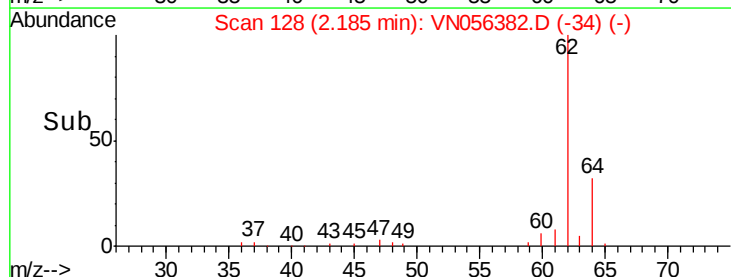
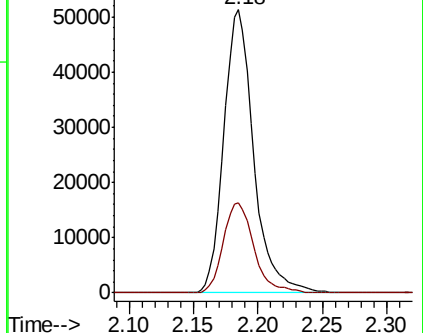
62 100

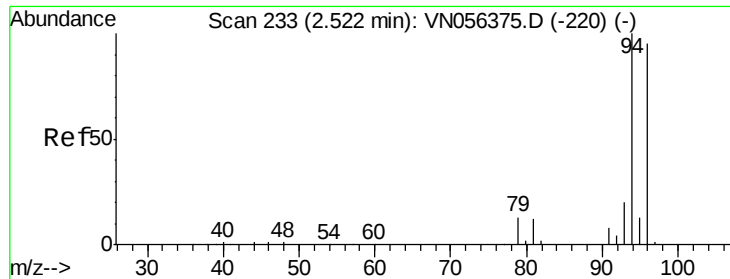
64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

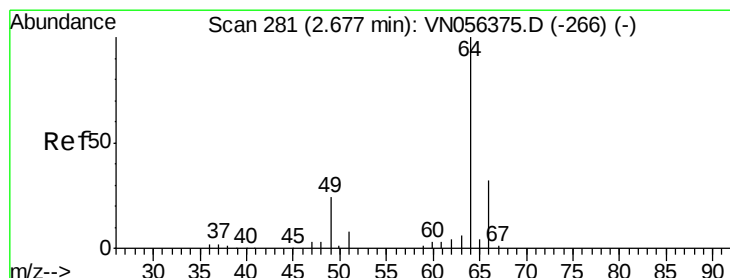
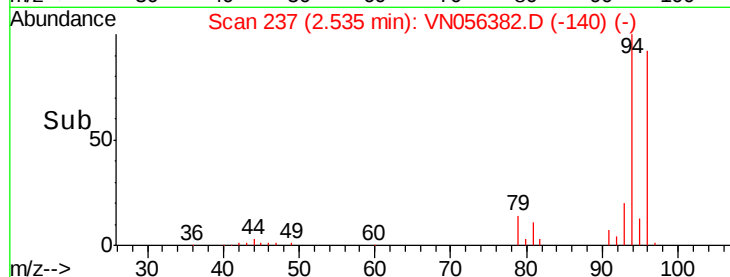
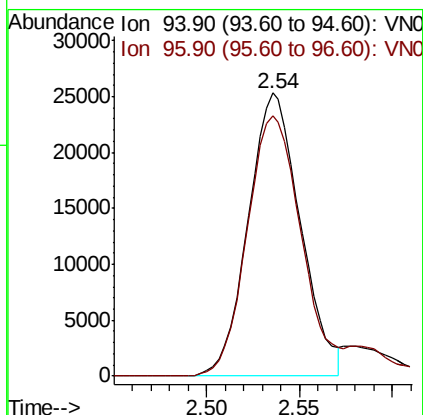
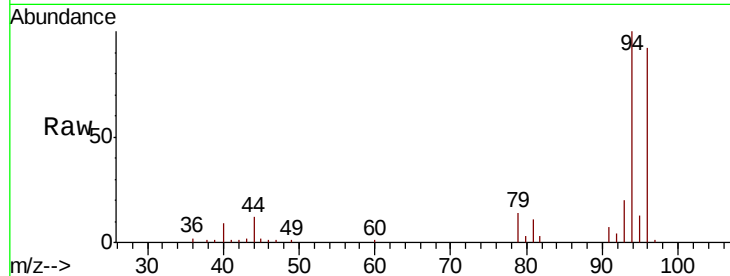




#5
Bromomethane
Concen: 20.859 ug/l
RT: 2.54 min Scan# 237
Delta R.T. 0.01 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

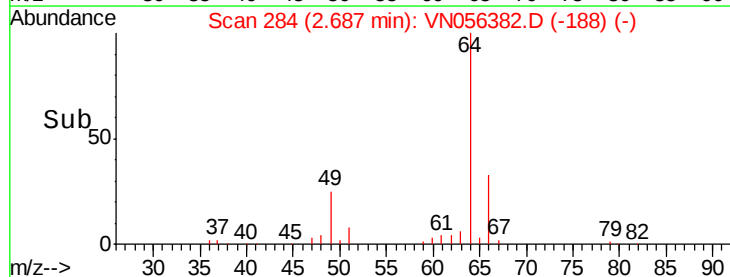
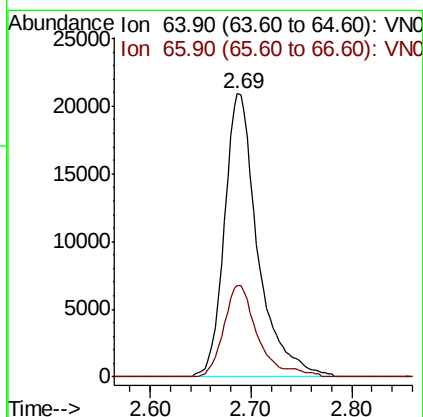
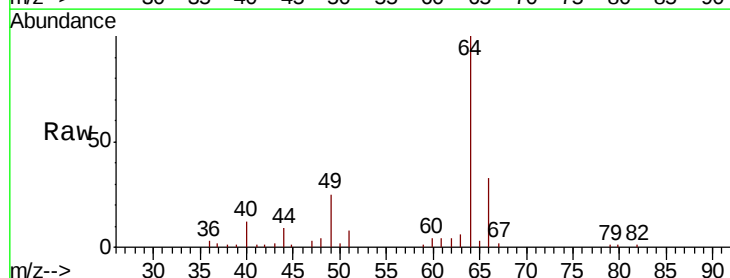
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

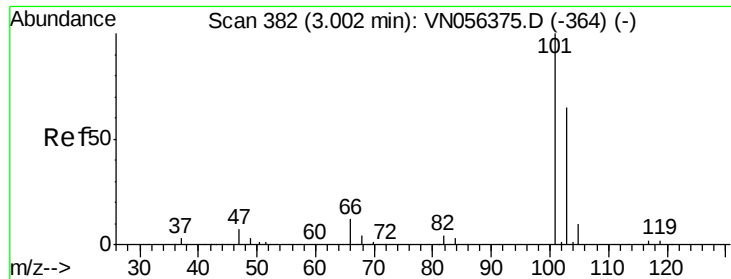
Tot Ion: 94 Resp: 49369
Ion Ratio Lower Upper
94 100
96 91.8 76.0 114.0



#6
Chloroethane
Concen: 20.634 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 64 Resp: 48242
Ion Ratio Lower Upper
64 100
66 32.5 25.8 38.8



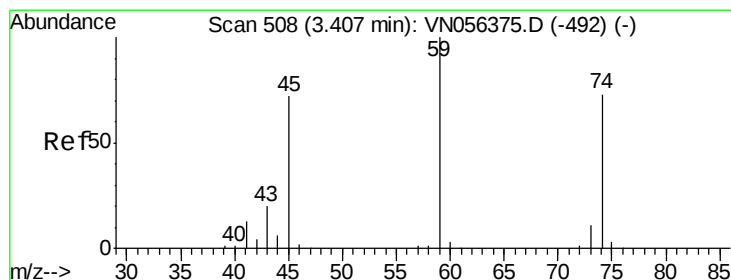
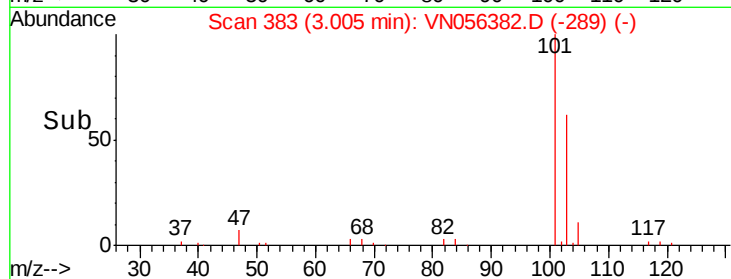
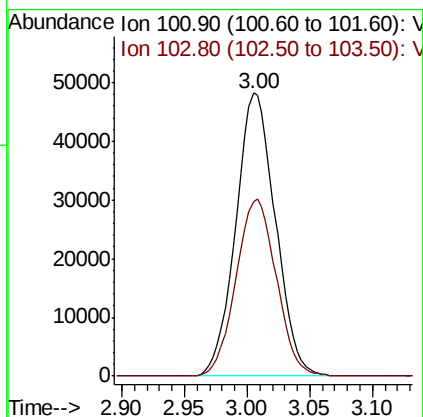
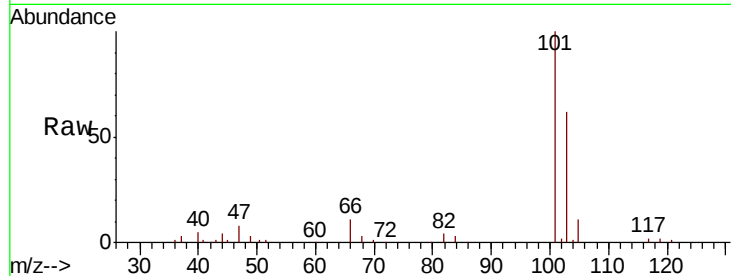


#7

Trichlorofluoromethane
Concen: 20.254 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

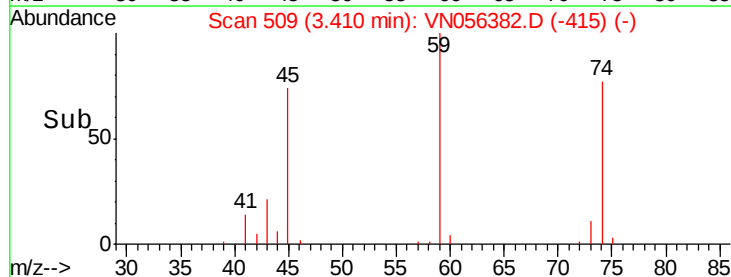
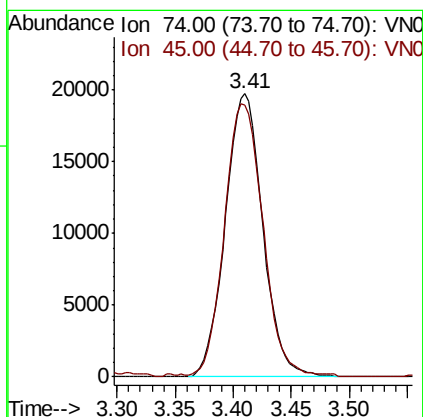
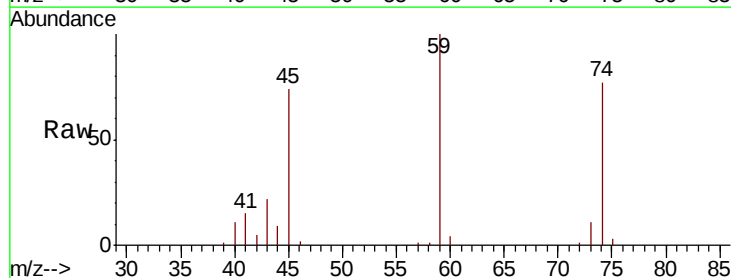
Tot Ion:101 Resp: 105771
Ion Ratio Lower Upper
101 100
103 61.8 51.7 77.5

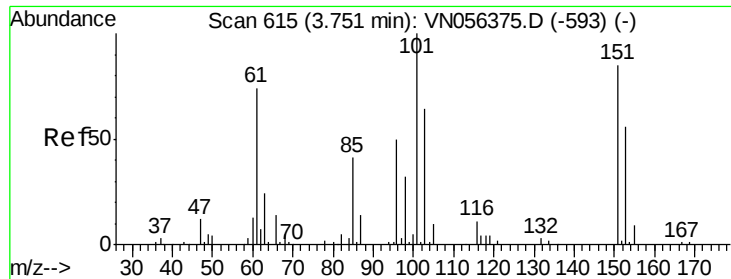


#8

Diethyl Ether
Concen: 20.054 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 74 Resp: 44323
Ion Ratio Lower Upper
74 100
45 99.8 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.058 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

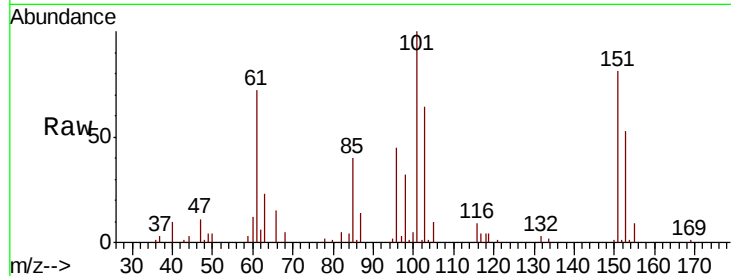
Tot Ion:101 Resp: 66799

Ion Ratio Lower Upper

101 100

85 40.1 32.7 49.1

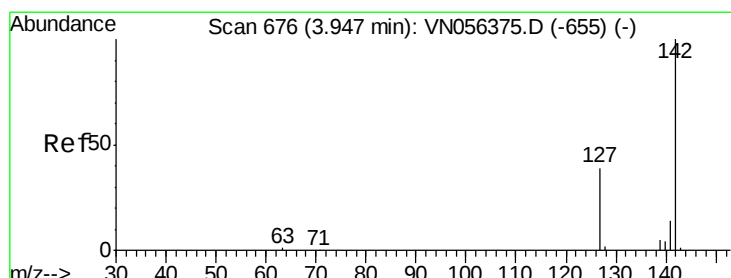
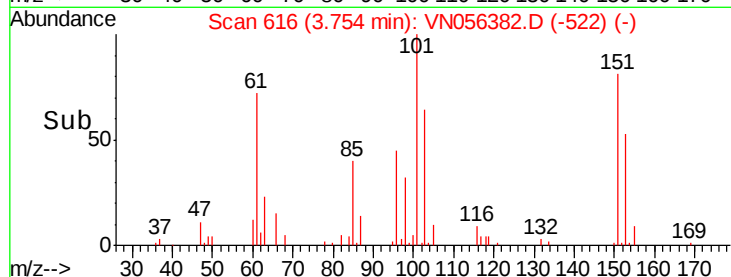
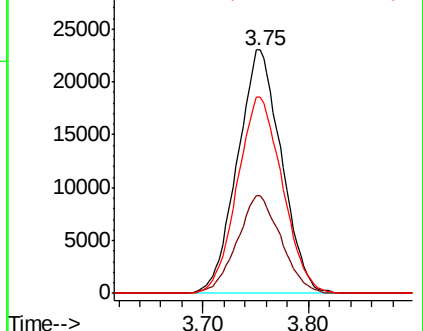
151 82.5 66.8 100.2



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: 18.390 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

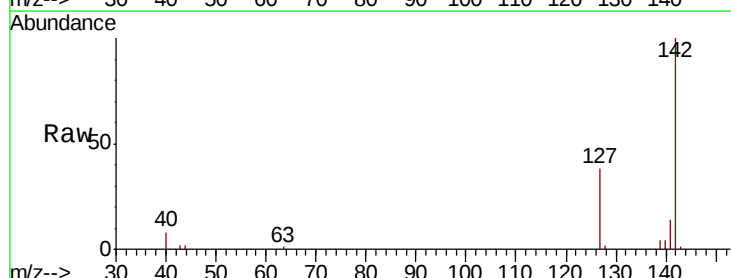
Tgt Ion:142 Resp: 82778

Ion Ratio Lower Upper

142 100

127 38.4 30.6 46.0

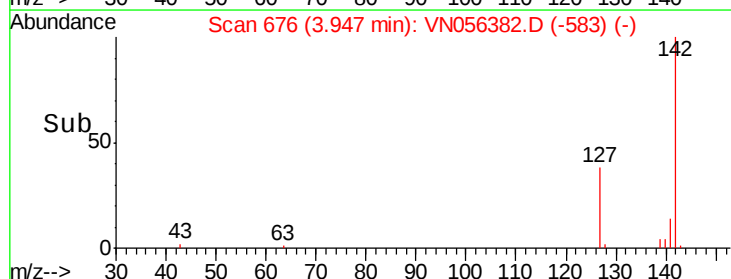
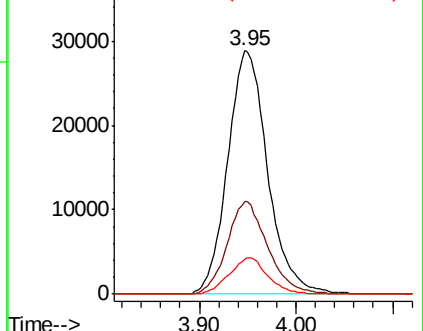
141 14.2 11.4 17.2

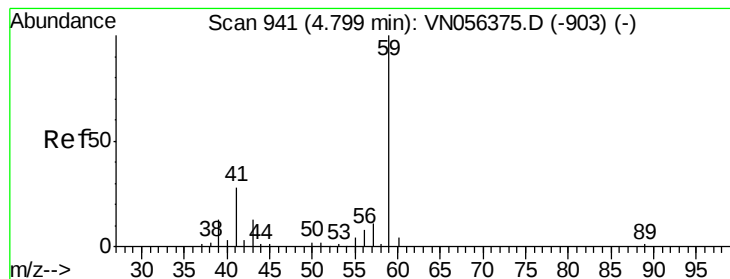


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



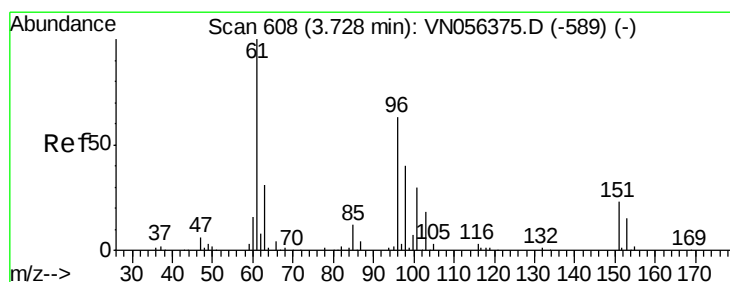
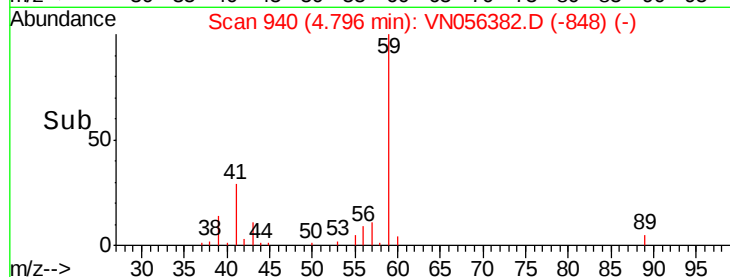
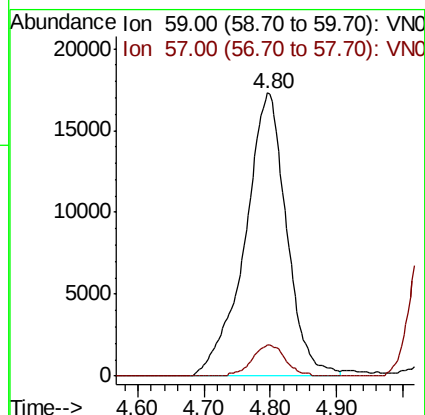
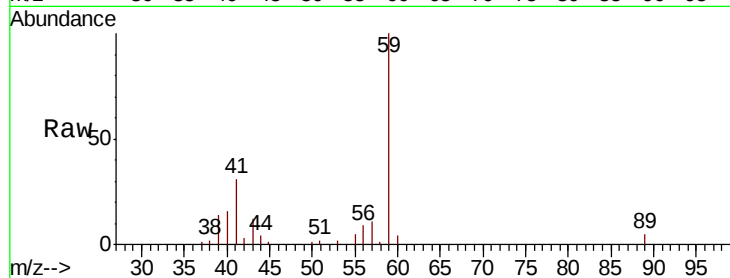


#11

Tert butyl alcohol
 Concen: 111.773 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

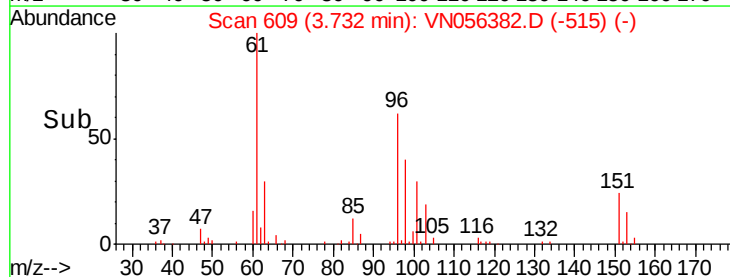
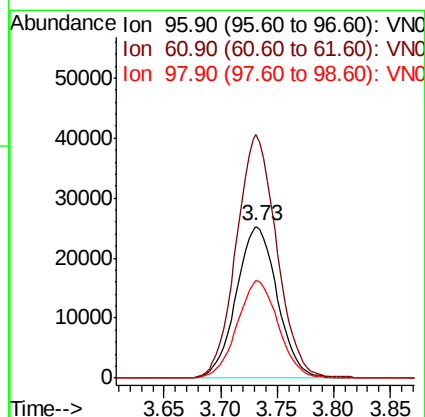
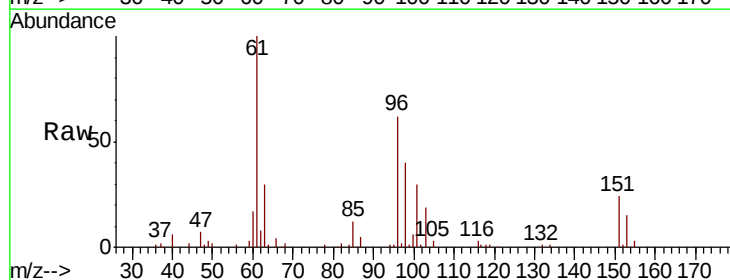
Tot Ion: 59 Resp: 75643
 Ion Ratio Lower Upper
 59 100
 57 8.8 7.6 11.4

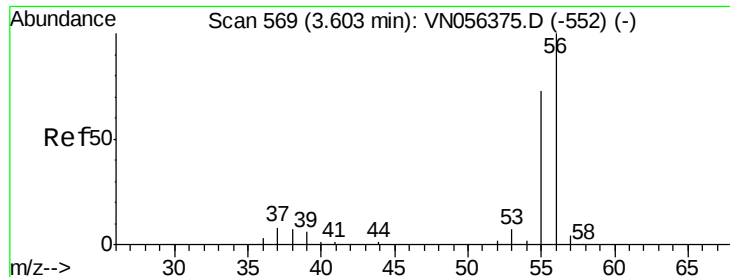


#12

1,1-Dichloroethene
 Concen: 19.883 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion: 96 Resp: 63679
 Ion Ratio Lower Upper
 96 100
 61 160.8 126.6 190.0
 98 64.2 51.1 76.7





#13

Acrolein

Concen: 96.553 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

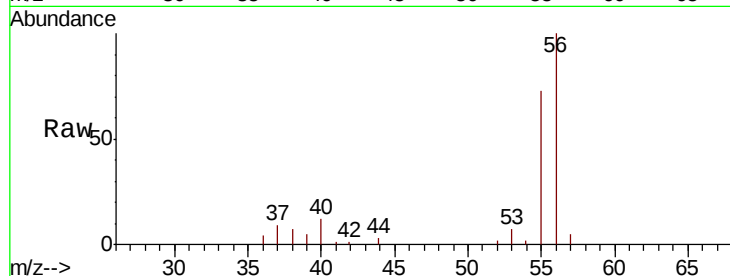
VN0619WBS01

Tot Ion: 56 Resp: 55072

Ion Ratio Lower Upper

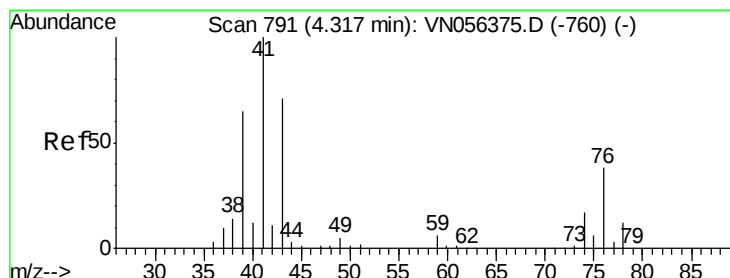
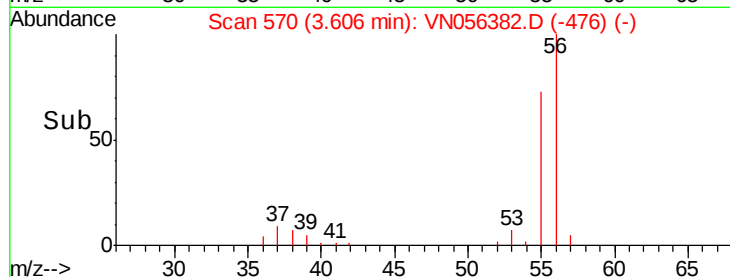
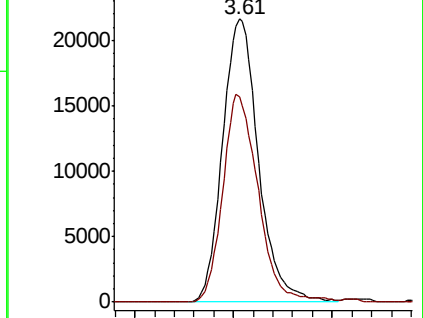
56 100

55 72.1 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: 19.692 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

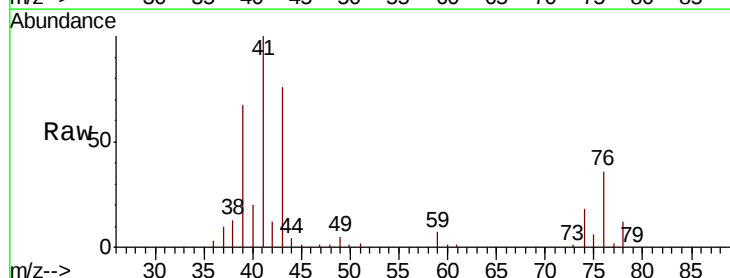
Tgt Ion: 41 Resp: 104986

Ion Ratio Lower Upper

41 100

39 64.0 48.6 73.0

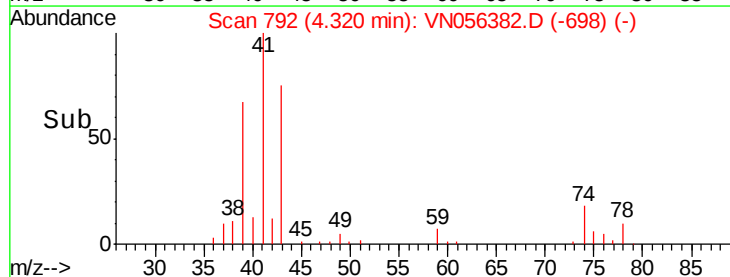
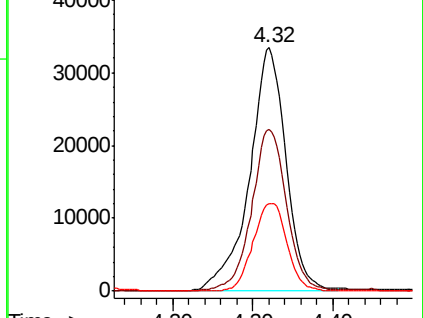
76 33.3 26.6 40.0

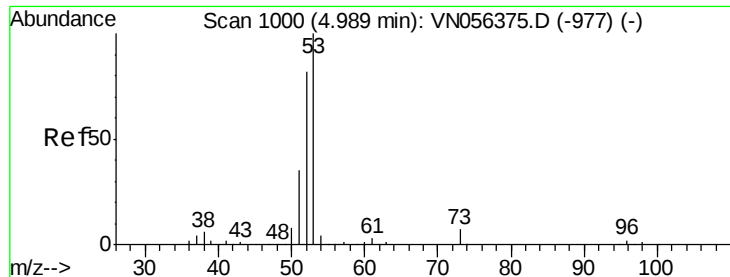


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.686 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

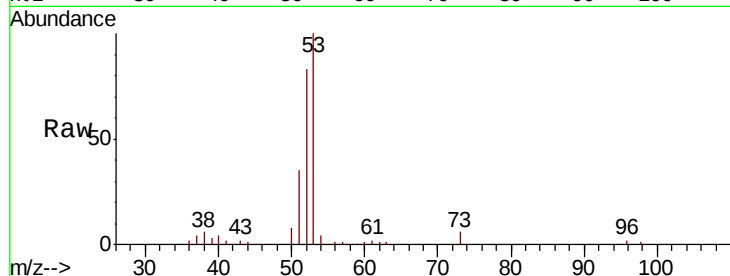
Tot Ion: 53 Resp: 188509

Ion Ratio Lower Upper

53 100

52 81.7 65.9 98.9

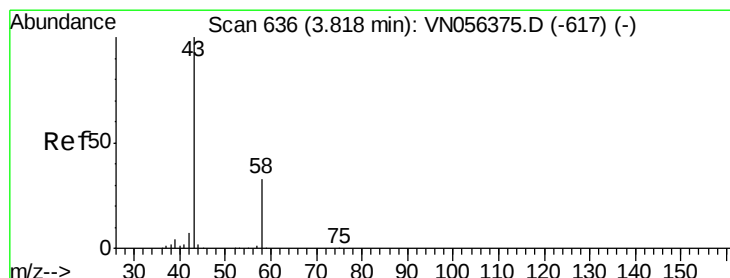
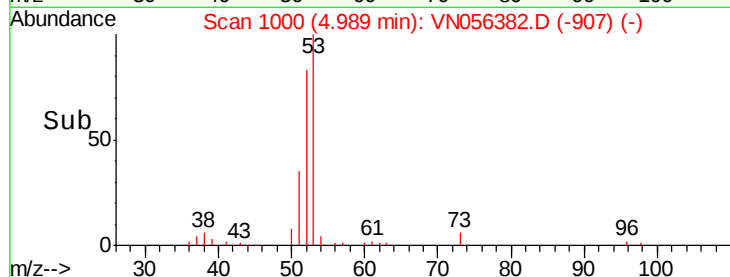
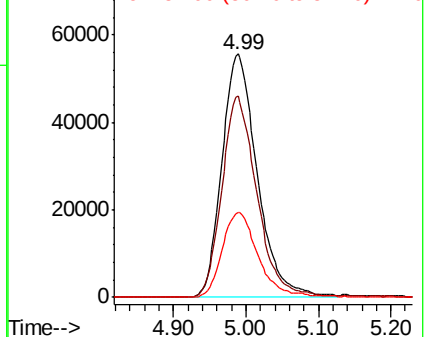
51 35.3 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 91.449 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056382.D

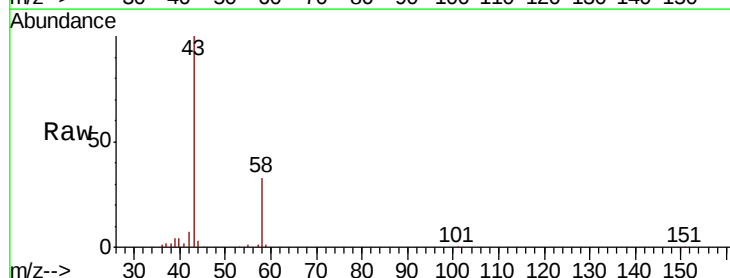
Acq: 19 Jun 2019 13:22

Tgt Ion: 43 Resp: 184101

Ion Ratio Lower Upper

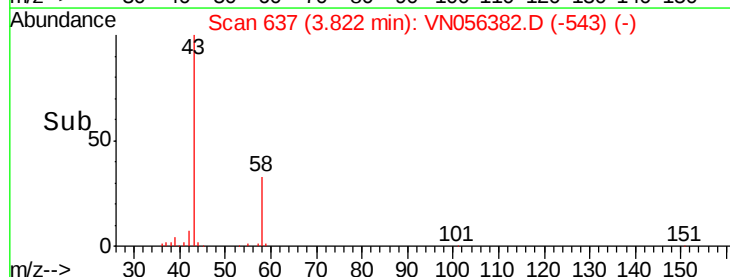
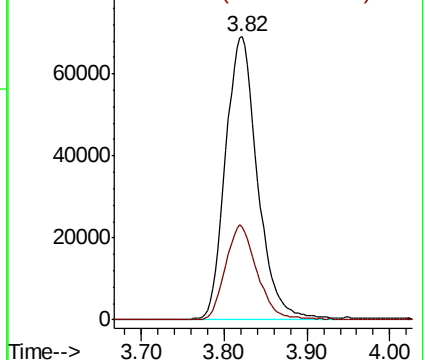
43 100

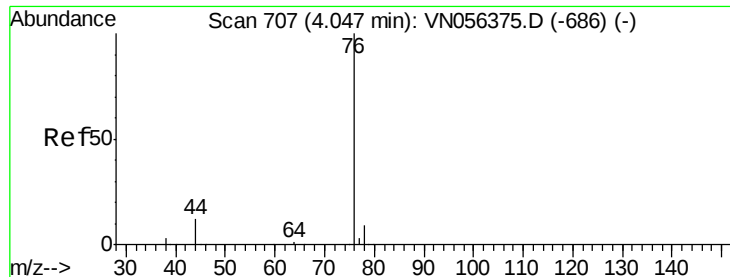
58 33.0 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.144 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

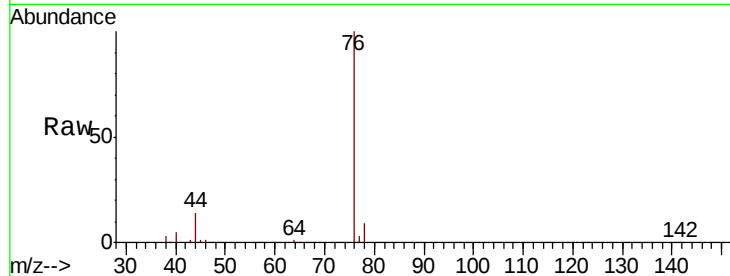
VN0619WBS01

Tot Ion: 76 Resp: 139456

Ion Ratio Lower Upper

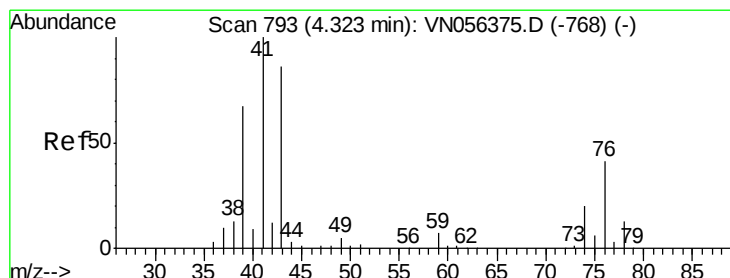
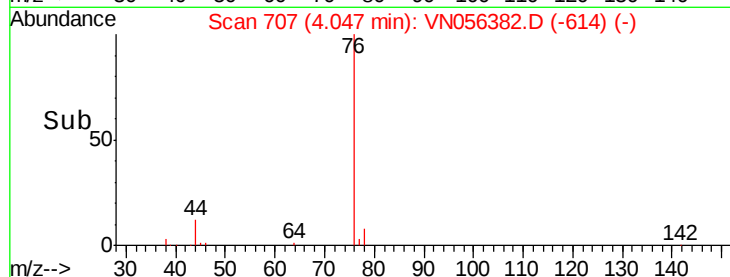
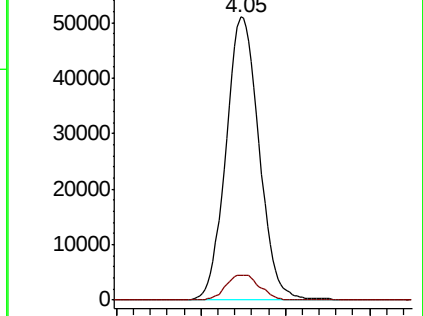
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.520 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056382.D

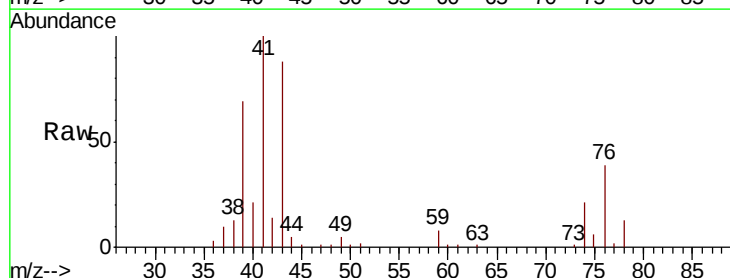
Acq: 19 Jun 2019 13:22

Tgt Ion: 43 Resp: 82927

Ion Ratio Lower Upper

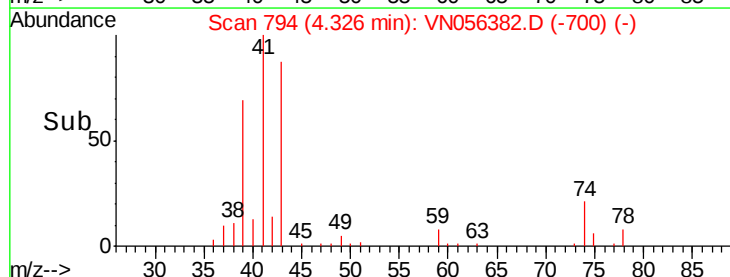
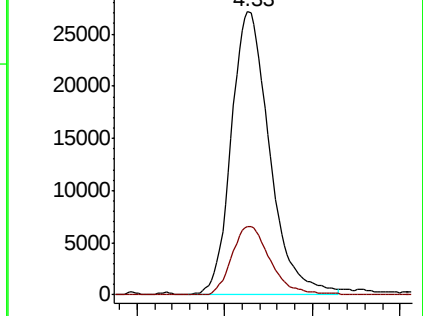
43 100

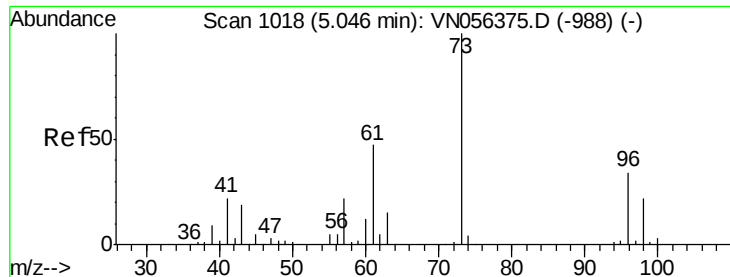
74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

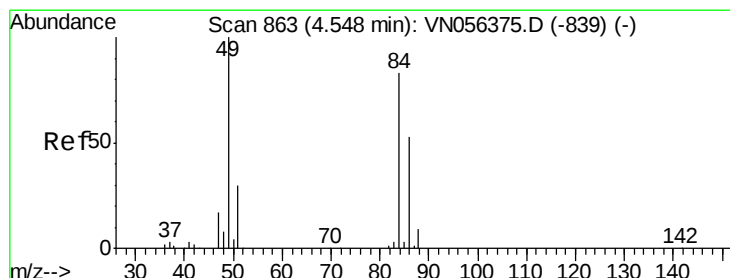
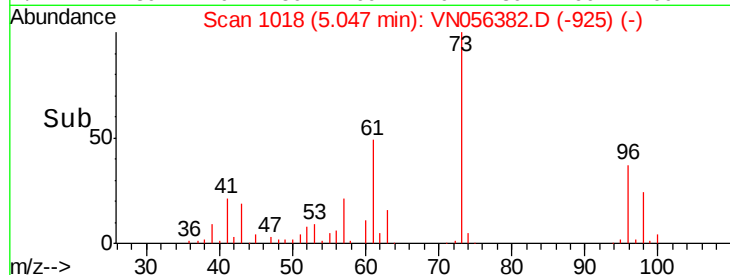
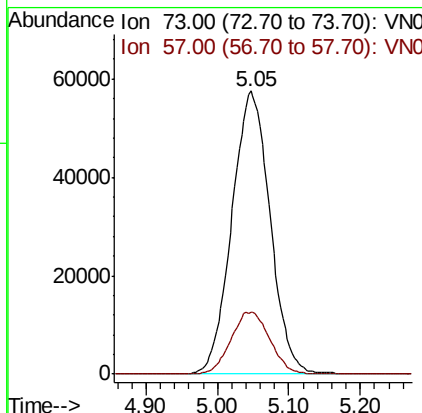
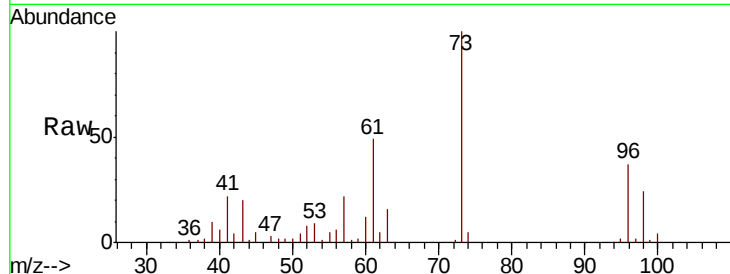




#19
Methvl tert-butvl Ether
Concen: 20.224 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

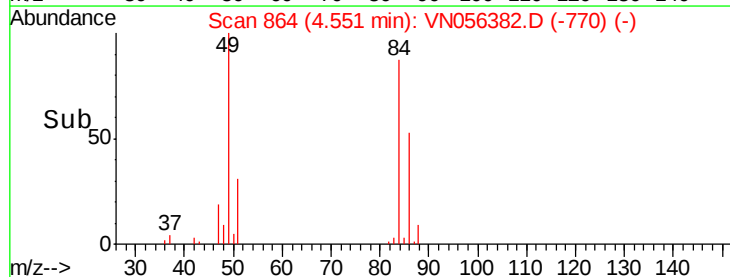
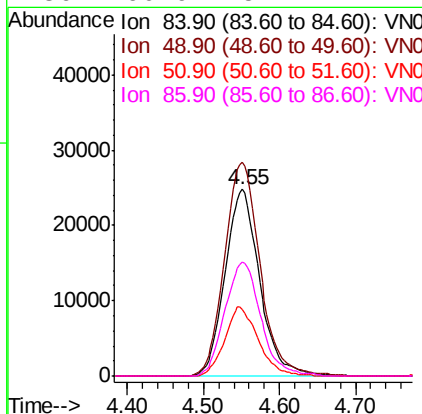
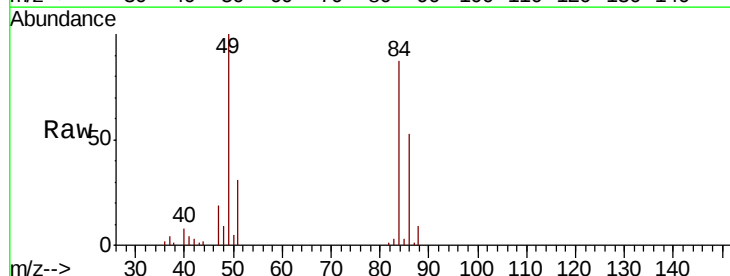
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

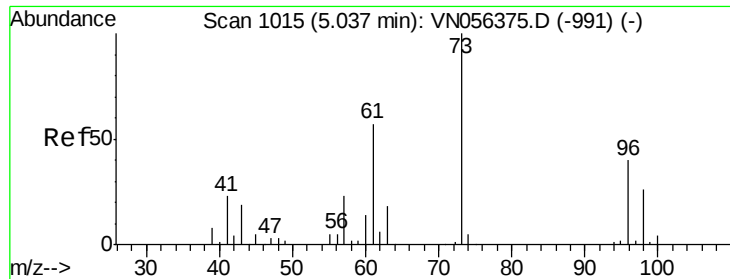
Tot Ion: 73 Resp: 214324
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9



#20
Methylene Chloride
Concen: 20.123 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 84 Resp: 78388
Ion Ratio Lower Upper
84 100
49 114.6 96.4 144.6
51 36.1 28.6 43.0
86 60.9 51.4 77.2

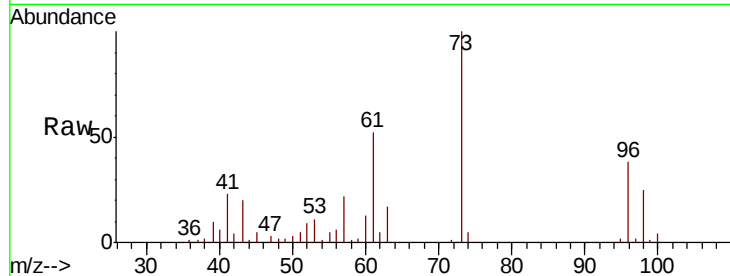




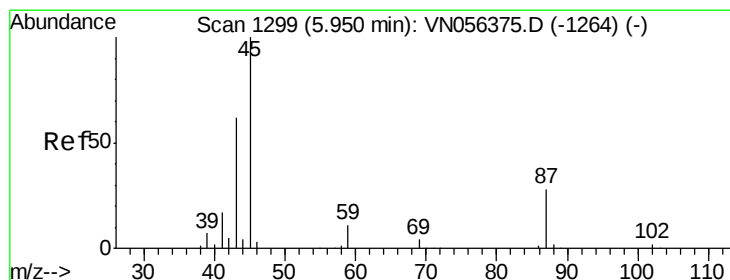
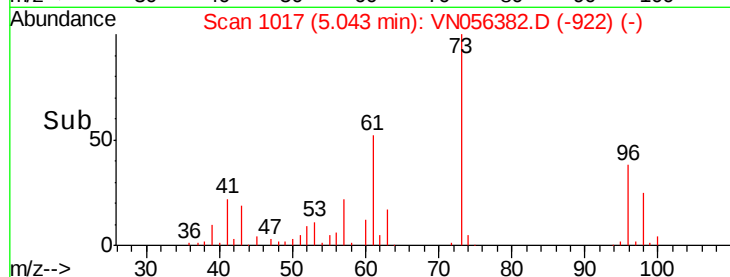
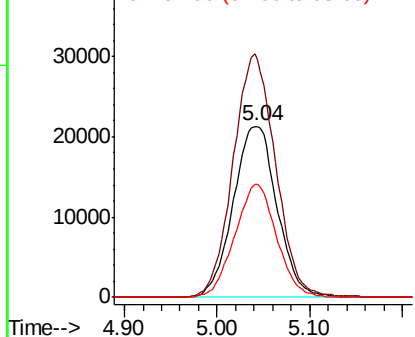
#21
trans-1,2-Dichloroethene
Concen: 20.209 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 96 Resp: 69785
Ion Ratio Lower Upper
96 100
61 138.5 113.0 169.6
98 66.1 52.2 78.2

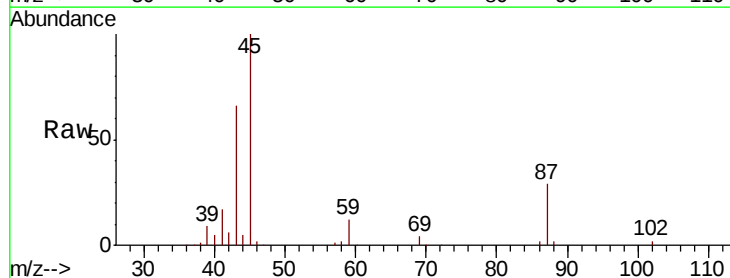


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

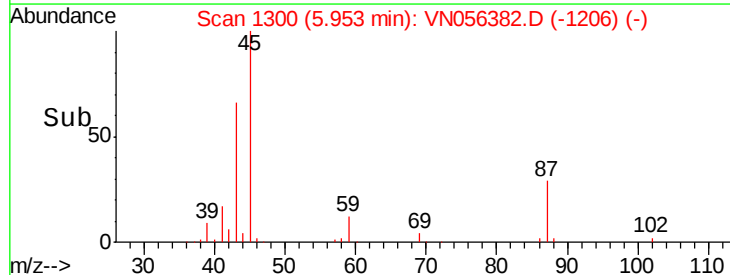
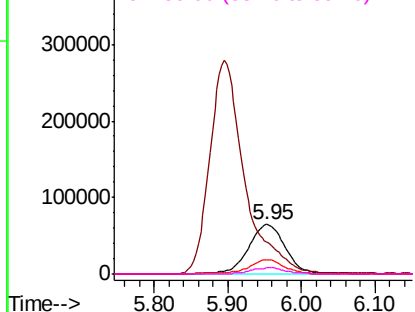


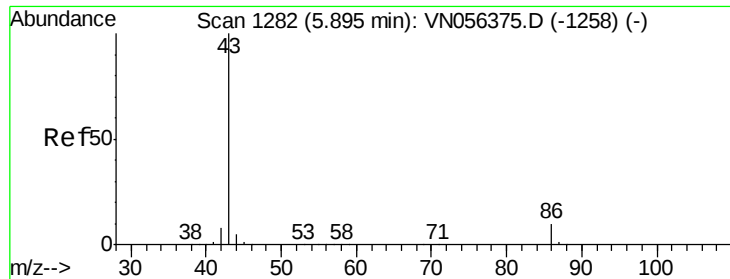
#22
Diisopropyl ether
Concen: 20.189 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 45 Resp: 226042
Ion Ratio Lower Upper
45 100
43 63.0 50.4 75.6
87 28.5 23.0 34.4
59 12.0 9.1 13.7



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





#23

Vinyl Acetate

Concen: 104.407 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

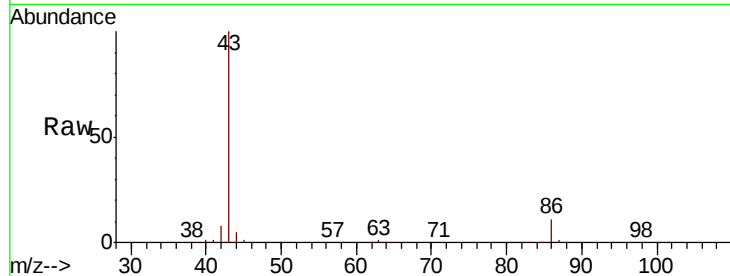
VN0619WBS01

Tot Ion: 43 Resp: 922020

Ion Ratio Lower Upper

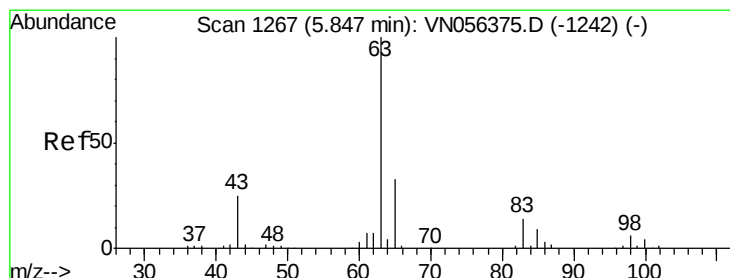
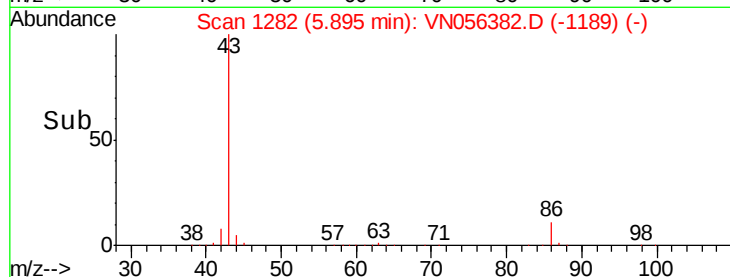
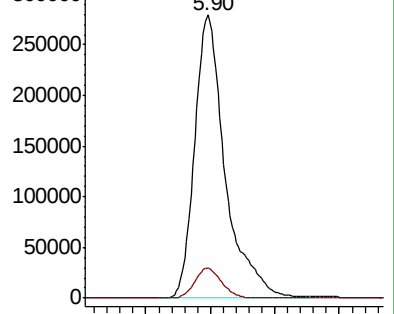
43 100

86 10.7 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.106 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

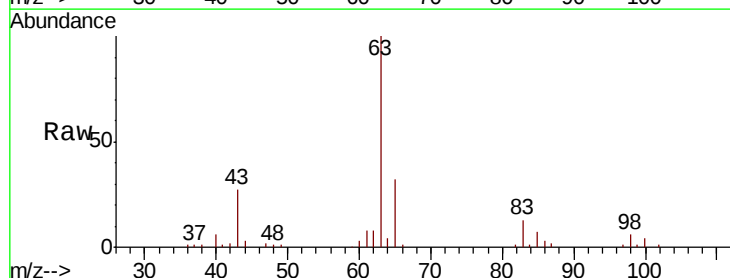
Tgt Ion: 63 Resp: 129221

Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

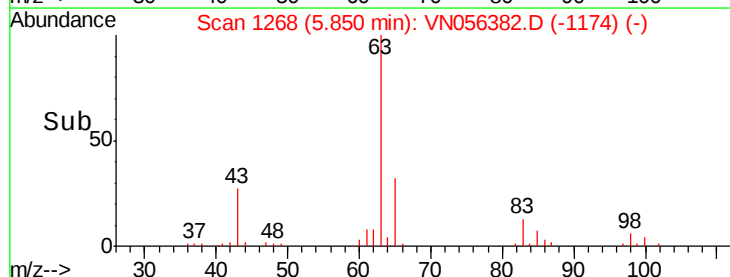
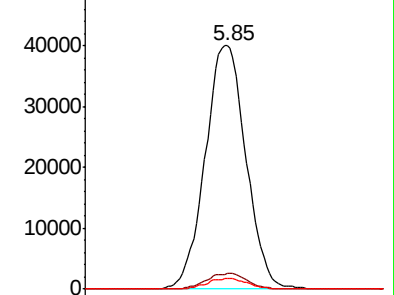
100 4.3 2.1 6.5

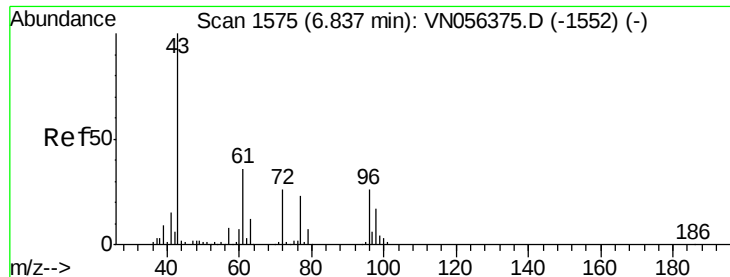


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

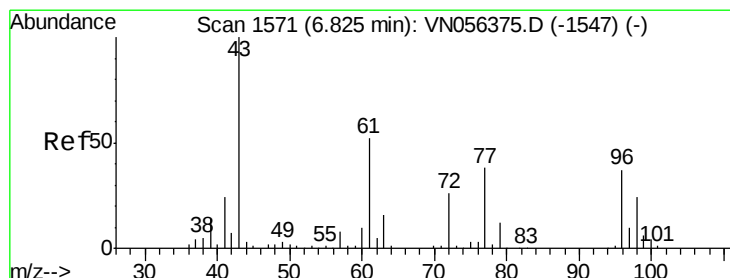
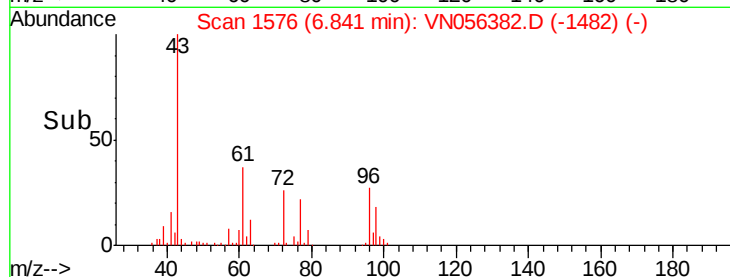
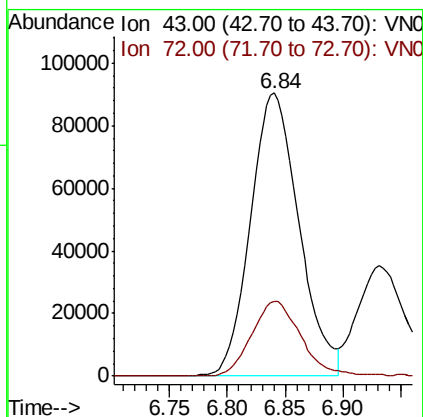
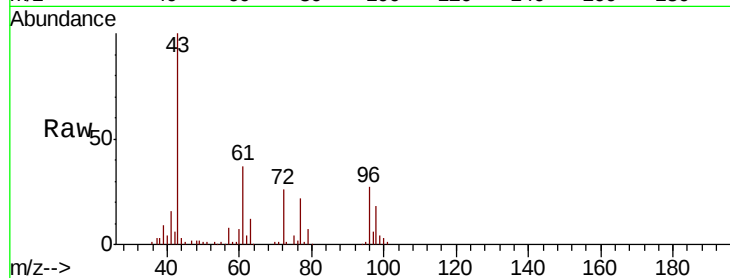




#25
2-Butanone
Concen: 98.200 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

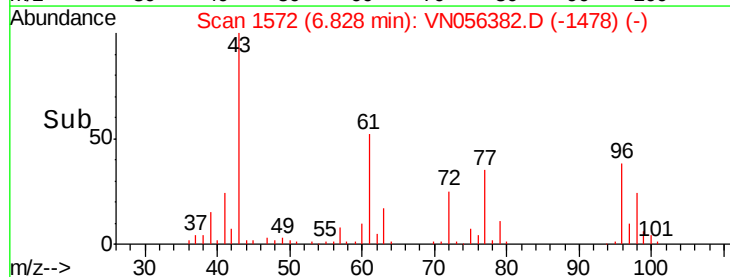
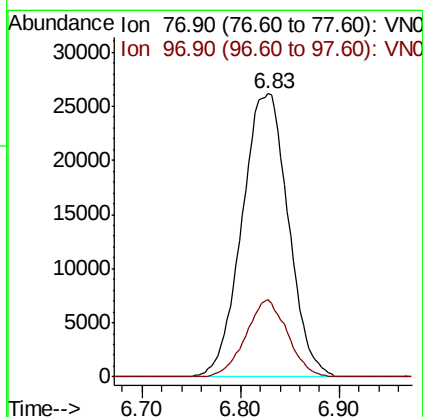
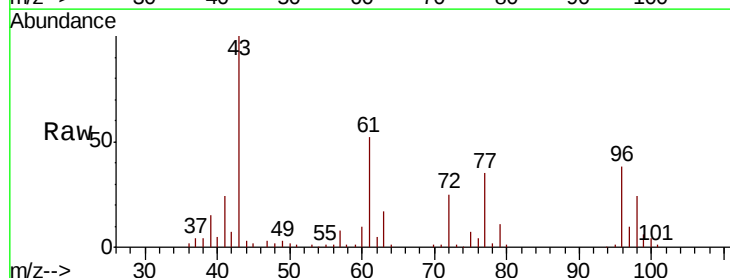
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

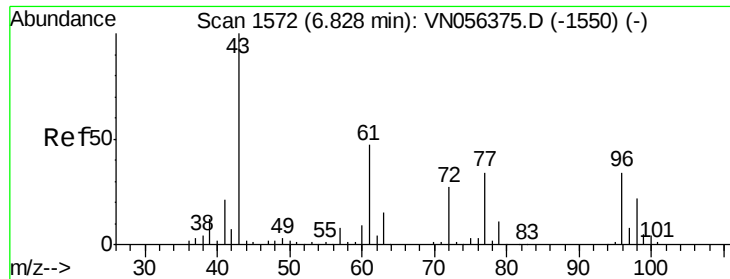
Tot Ion: 43 Resp: 261646
Ion Ratio Lower Upper
43 100
72 26.5 20.6 31.0



#26
2,2-Dichloropropane
Concen: 19.024 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 77 Resp: 85037
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.482 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS01

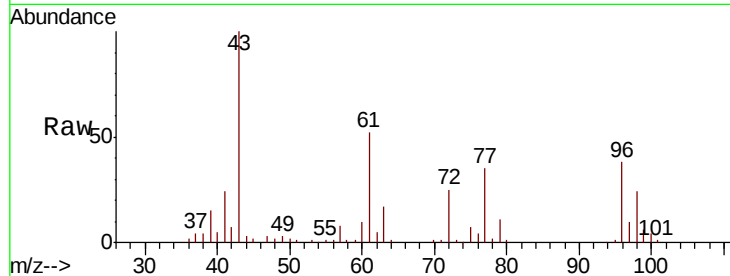
Tot Ion: 96 Resp: 82743

Ion Ratio Lower Upper

96 100

61 139.1 0.0 279.8

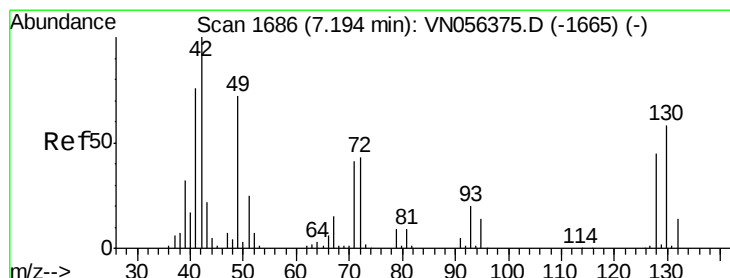
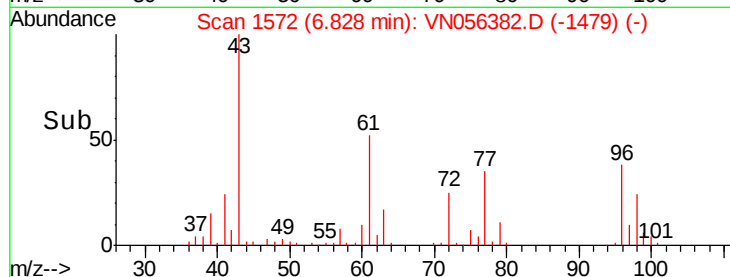
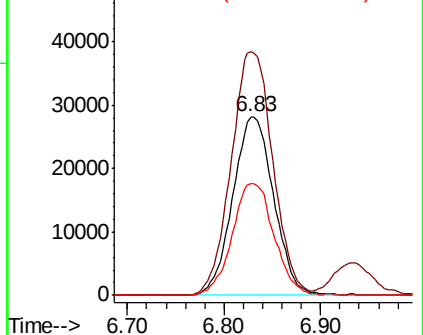
98 63.7 0.0 130.0



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: 21.017 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

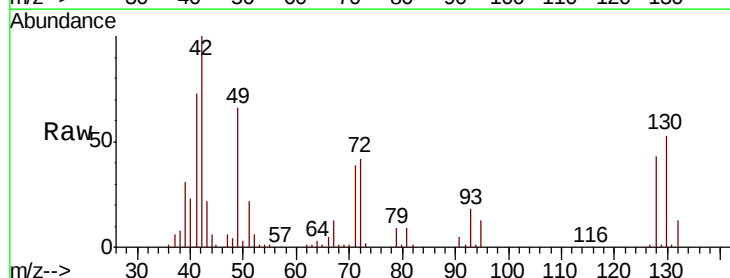
Tgt Ion: 49 Resp: 66813

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.2

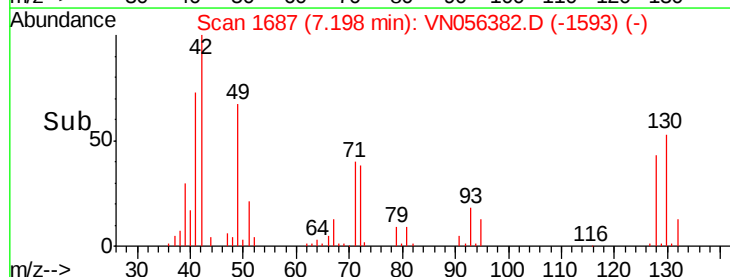
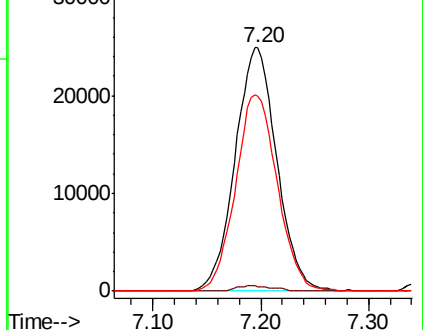
130 81.0 64.9 97.3

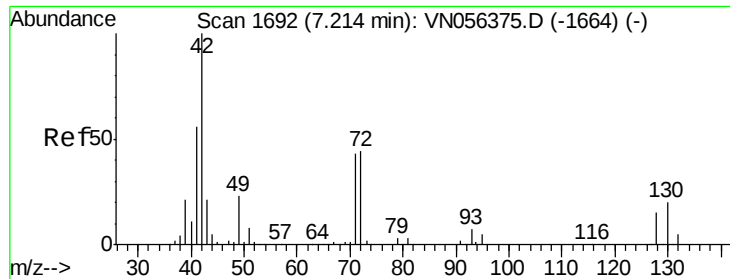


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

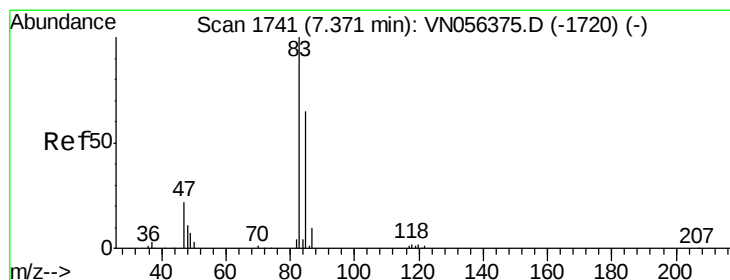
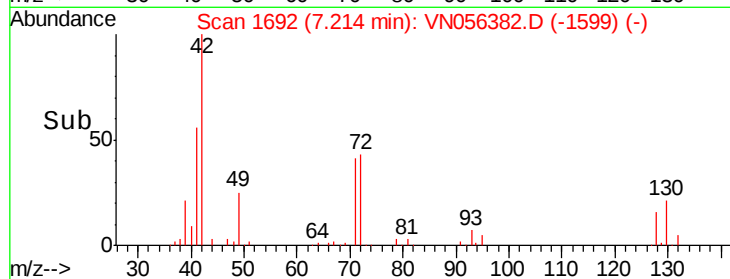
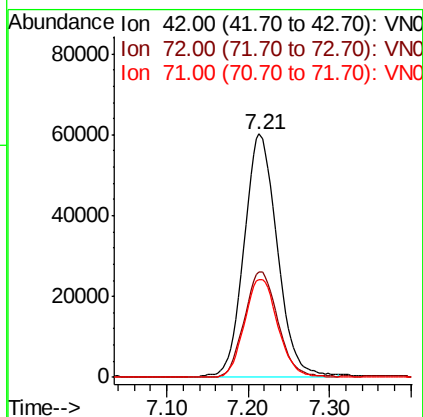
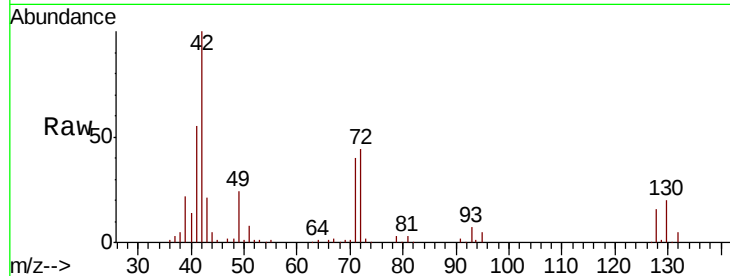




#29
Tetrahydrofuran
Concen: 104.205 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

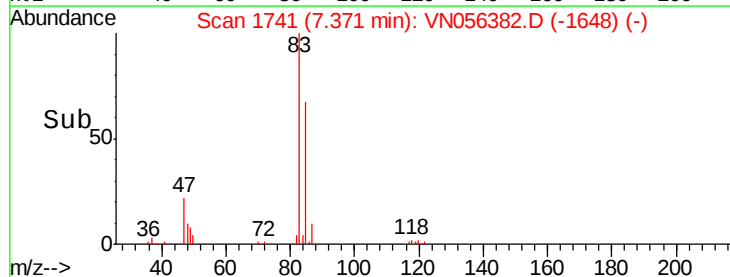
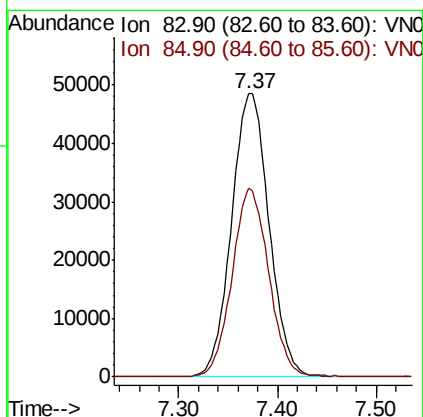
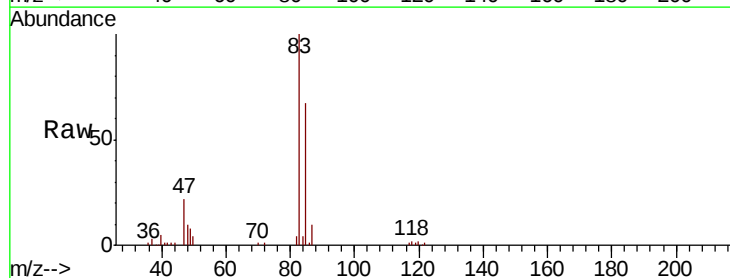
Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

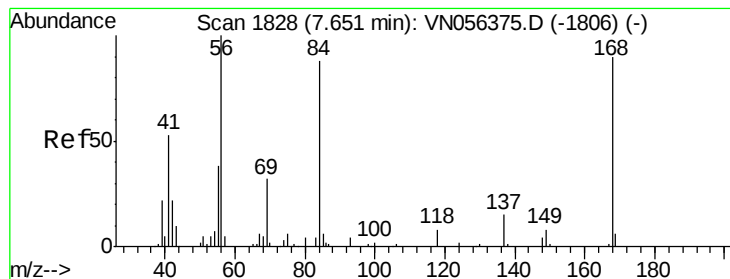
Tot Ion: 42 Resp: 169670
Ion Ratio Lower Upper
42 100
72 43.6 34.7 52.1
71 40.3 33.0 49.6



#30
Chloroform
Concen: 20.215 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 83 Resp: 128203
Ion Ratio Lower Upper
83 100
85 66.6 52.3 78.5





#31

Cyclohexane

Concen: 19.860 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

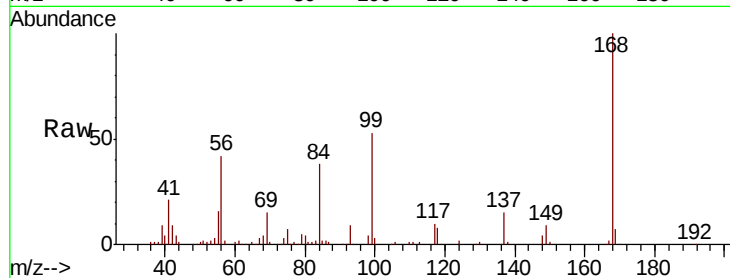
Tot Ion: 56 Resp: 123225

Ion Ratio Lower Upper

56 100

69 36.5 25.8 38.6

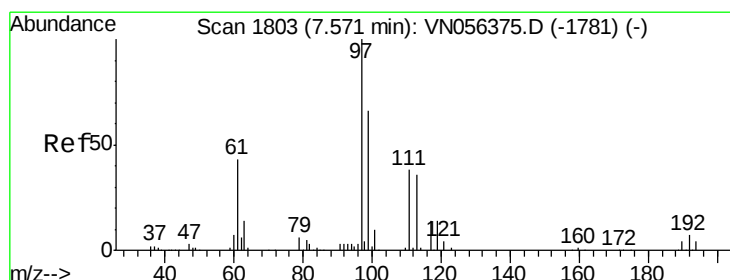
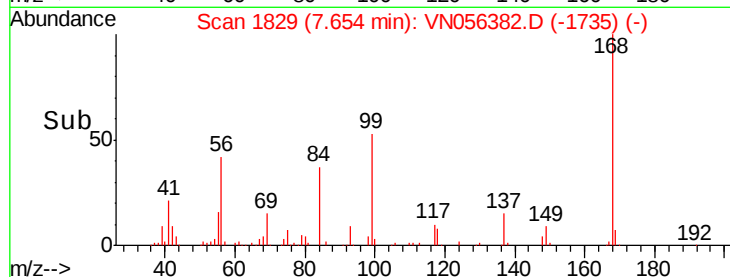
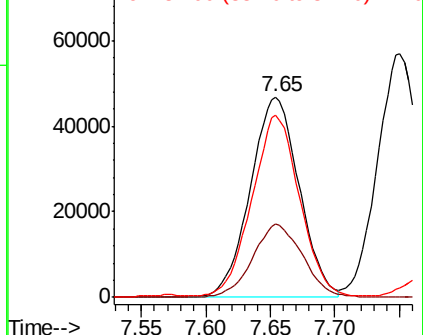
84 89.6 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.244 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

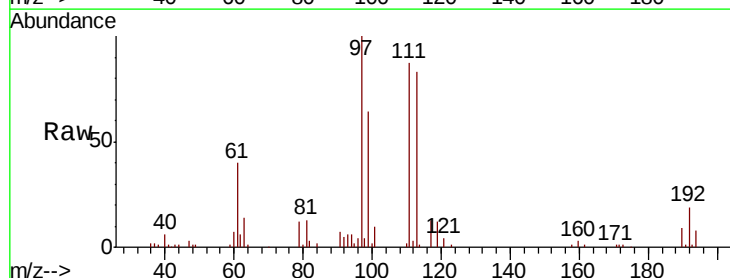
Tgt Ion: 97 Resp: 101767

Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.6

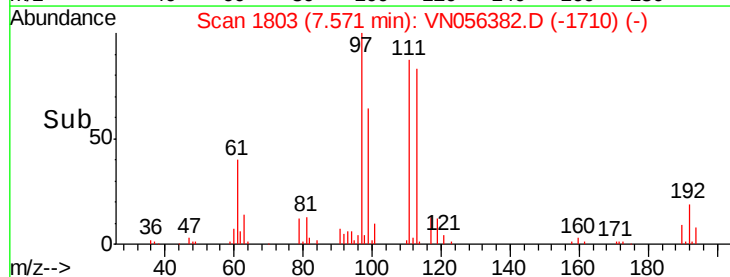
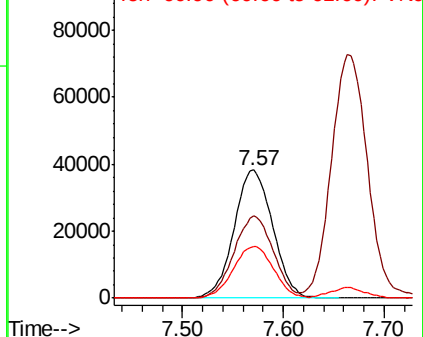
61 42.1 33.9 50.9

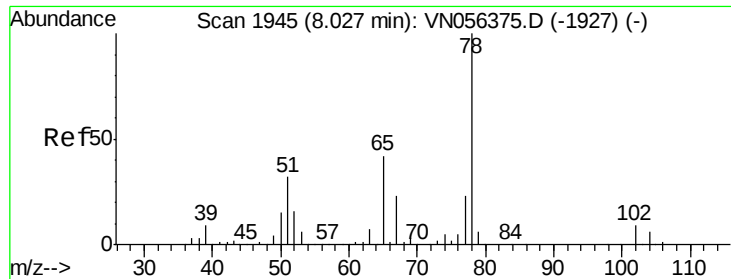


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

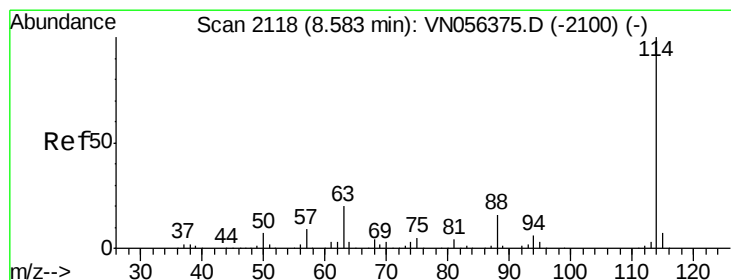
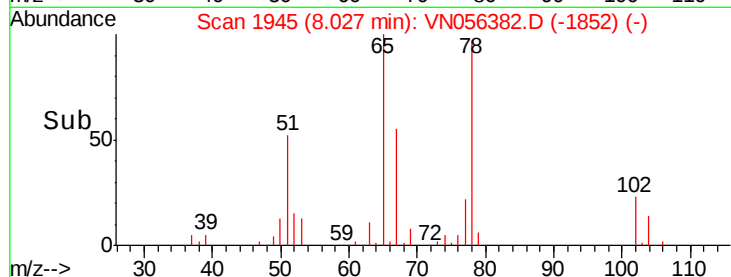
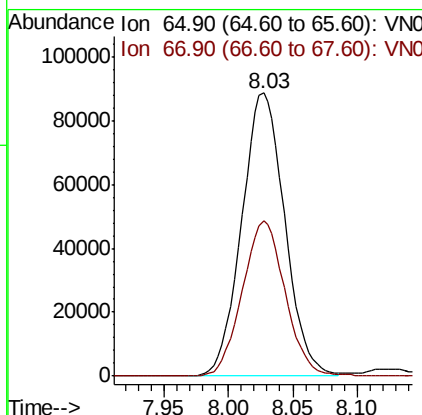
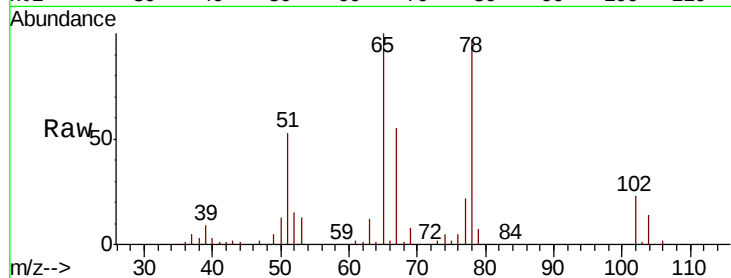




#33
 1,2-Dichloroethane-d4
 Concen: 51.353 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

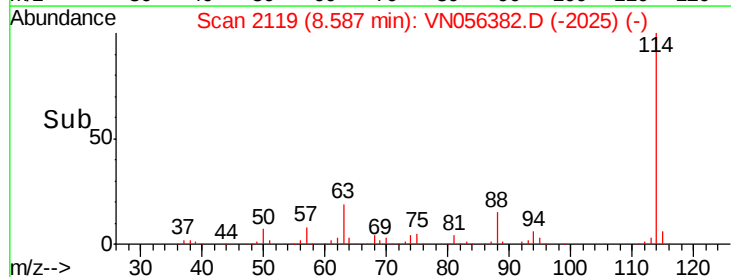
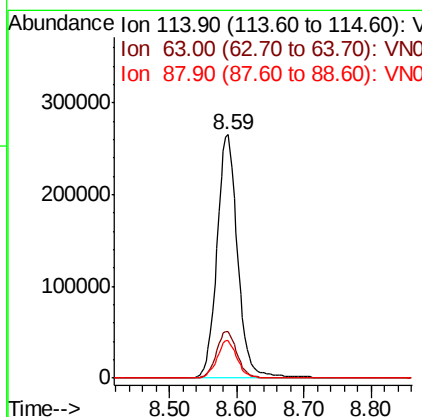
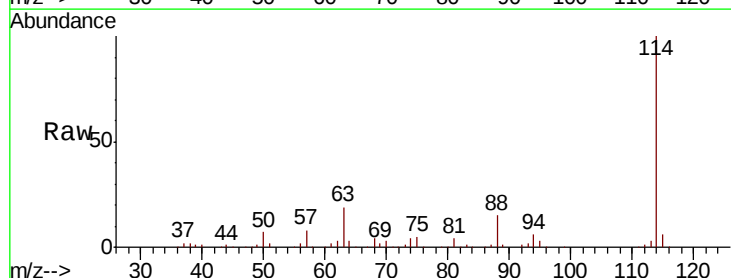
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

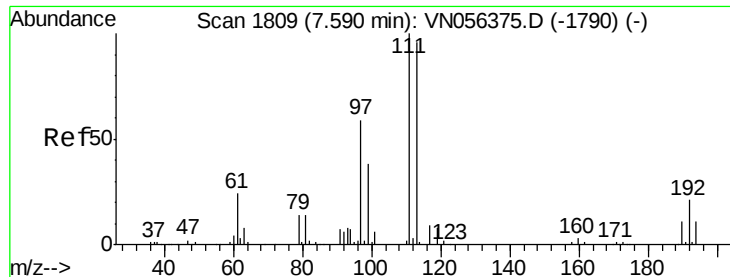
Tot Ion: 65 Resp: 206343
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion: 114 Resp: 570258
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.3 0.0 31.4

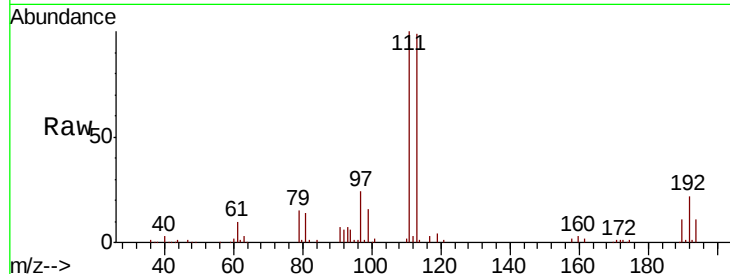




#35
 Dibromofluoromethane
 Concen: 49.751 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	22.6	17.7	26.5

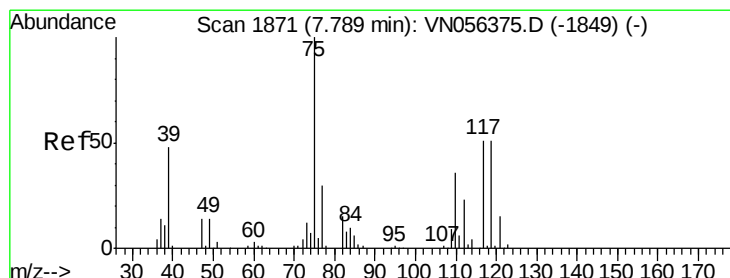
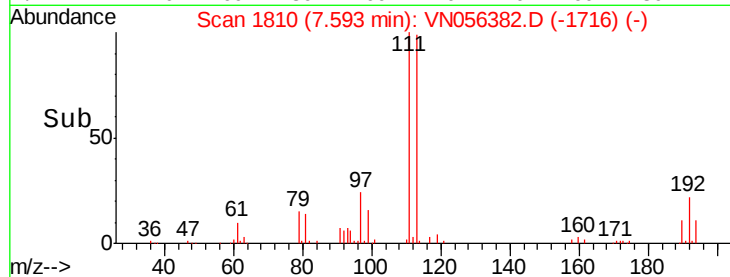
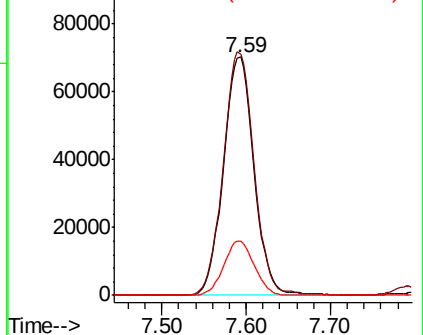


Abundance

Ion 112.80 (112.50 to 113.50): V

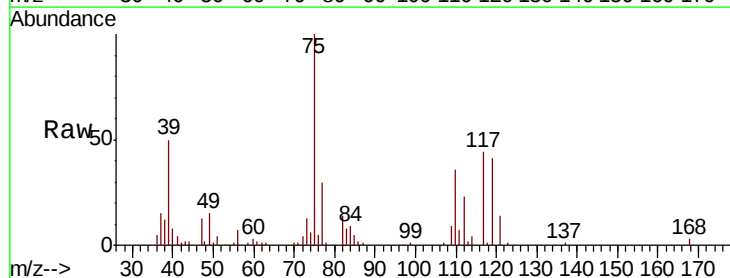
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.010 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.3
77	30.3	24.6	36.8

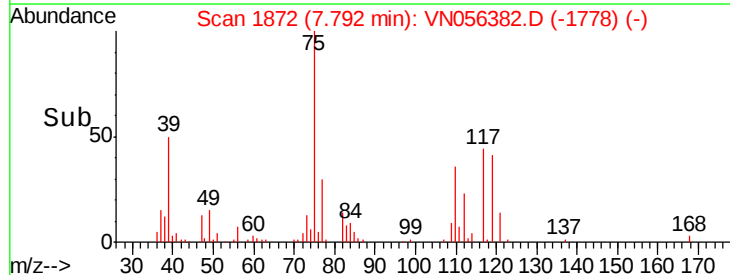
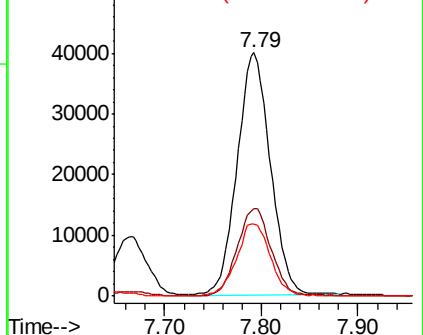


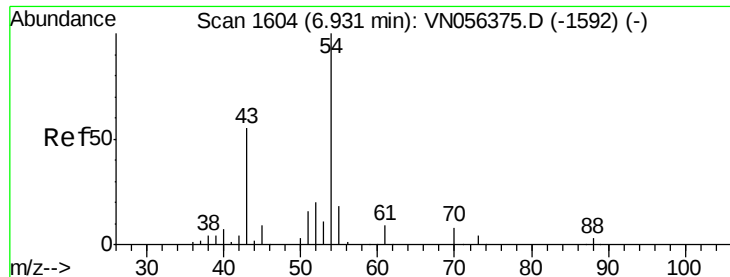
Abundance

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

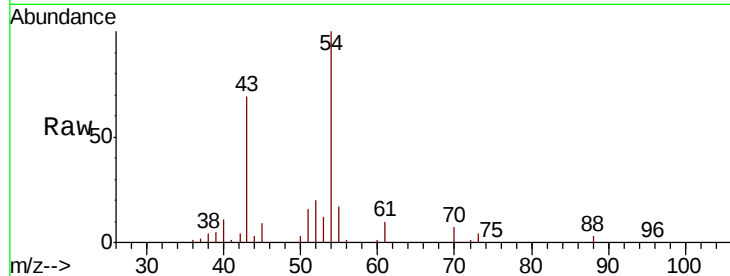




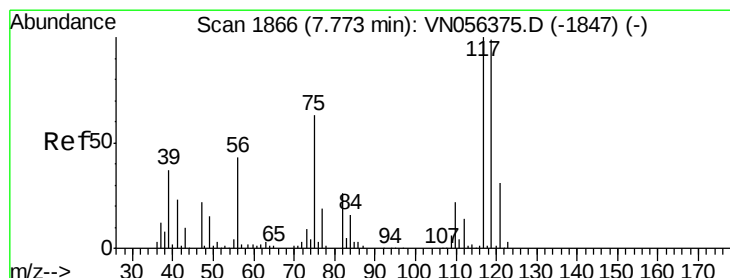
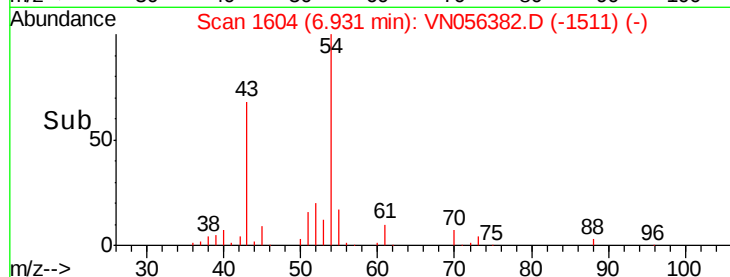
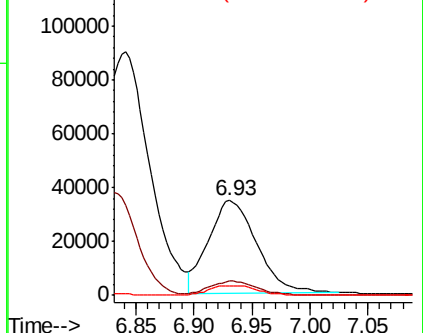
#37
Ethyl Acetate
Concen: 20.329 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 43 Resp: 100278
Ion Ratio Lower Upper
43 100
61 15.0 11.1 16.7
70 10.6 8.3 12.5

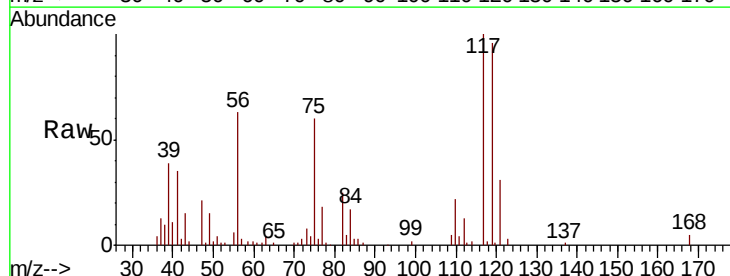


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

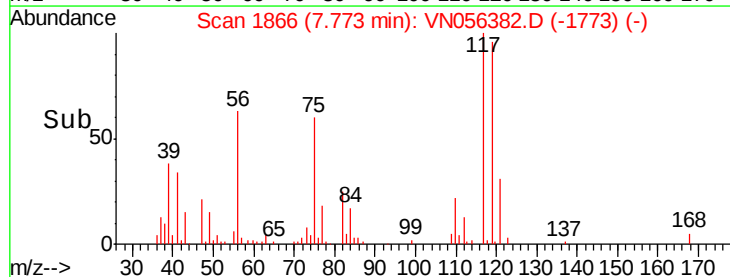
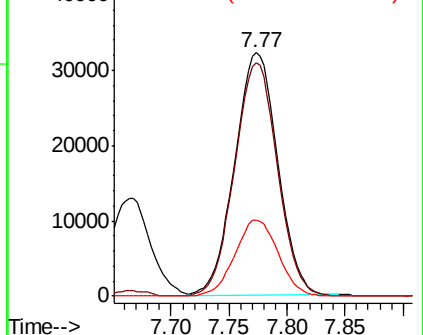


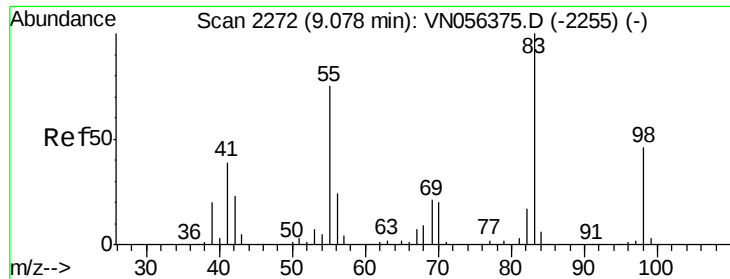
#38
Carbon Tetrachloride
Concen: 18.954 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 117 Resp: 83194
Ion Ratio Lower Upper
117 100
119 96.6 79.1 118.7
121 31.4 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

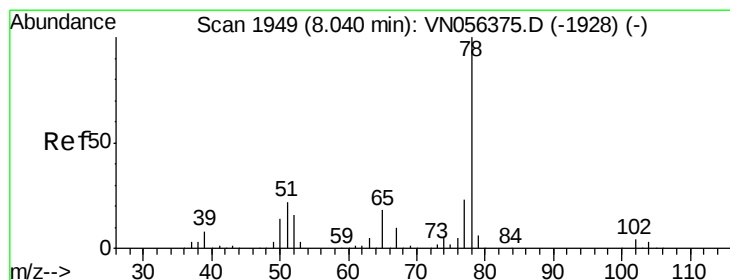
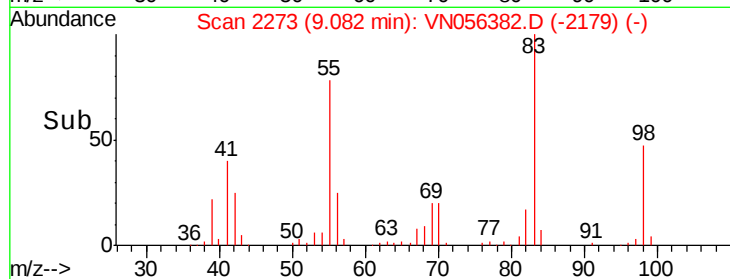
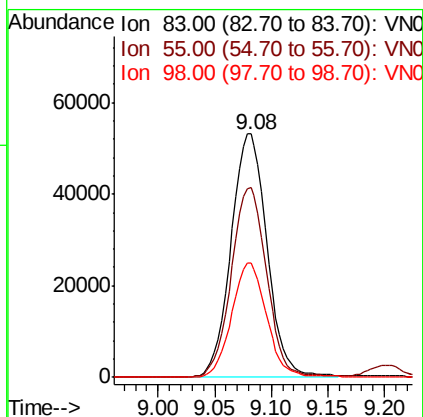
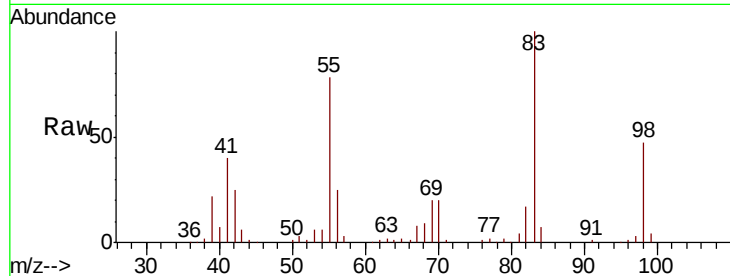




#39
Methvlcvclohexane
Concen: 19.022 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

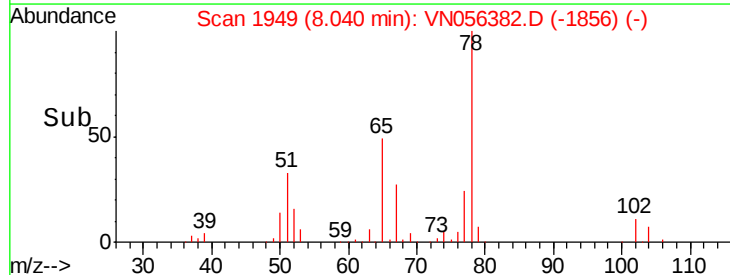
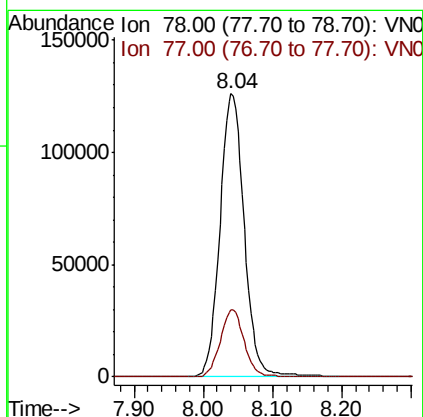
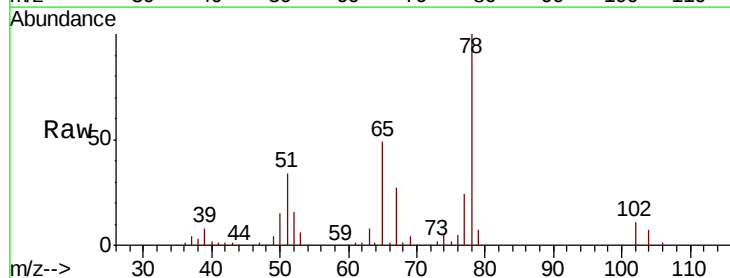
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

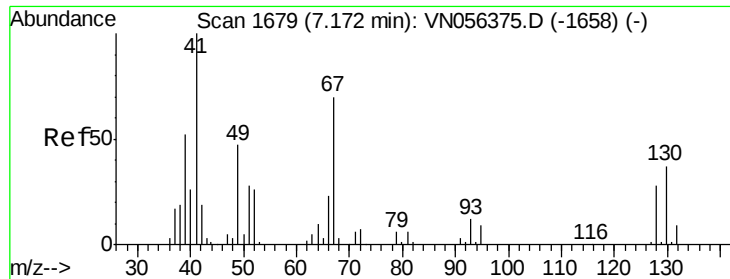
Tot Ion: 83 Resp: 117809
Ion Ratio Lower Upper
83 100
55 77.9 60.0 90.0
98 47.0 36.6 54.8



#40
Benzene
Concen: 19.915 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 78 Resp: 307470
Ion Ratio Lower Upper
78 100
77 23.8 18.3 27.5

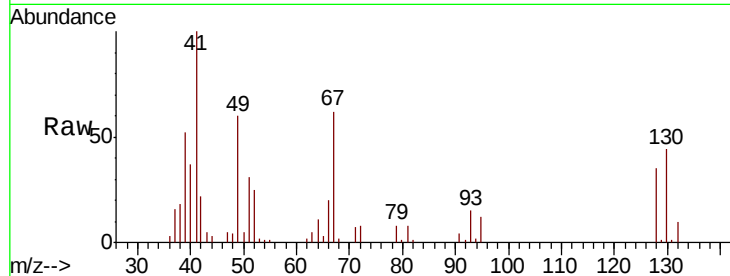




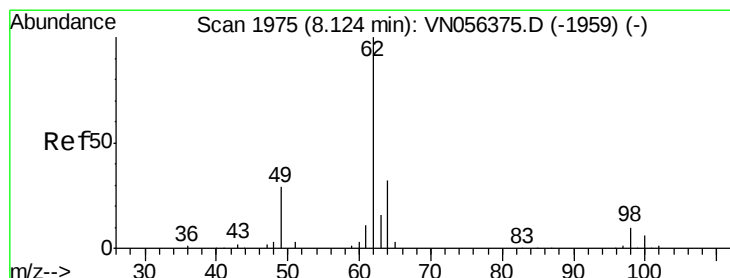
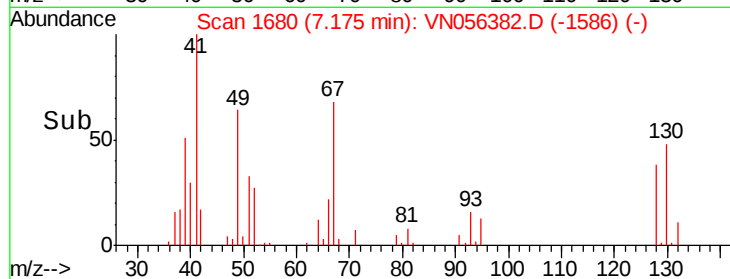
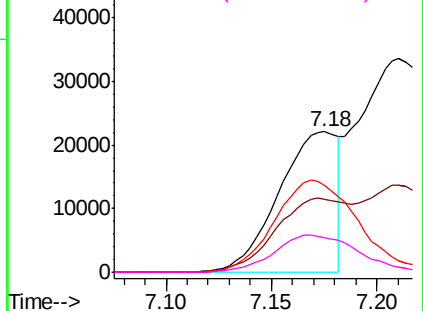
#41
Methacrylonitrile
Concen: 19.753 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion:	41	Resp:	43025
Ion	Ratio	Lower	Upper
41	100		
39	64.4	55.3	82.9
67	93.9	79.2	118.8
52	38.9	31.4	47.0

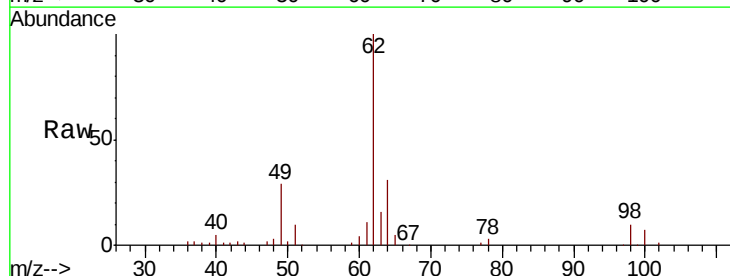


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

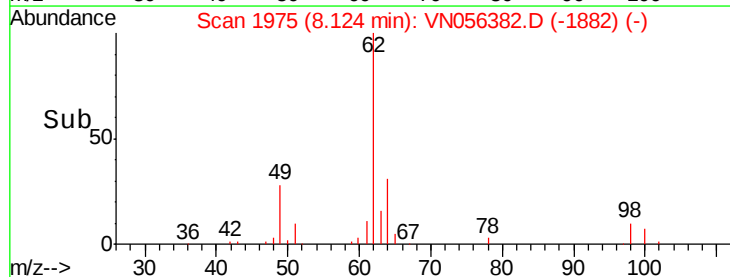
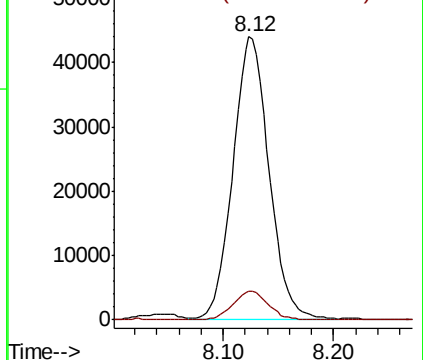


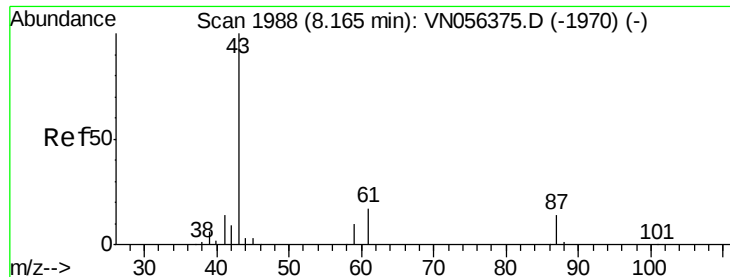
#42
1,2-Dichloroethane
Concen: 19.439 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion:	62	Resp:	99049
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 19.305 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

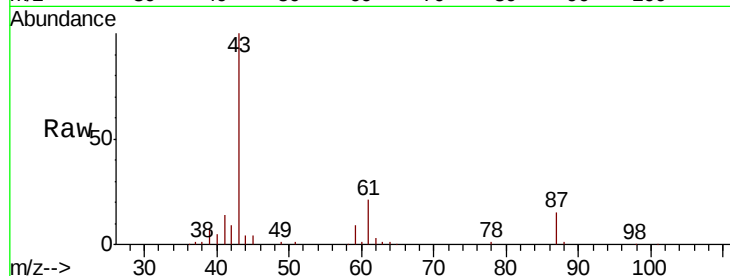
Tot Ion: 43 Resp: 146832

Ion Ratio Lower Upper

43 100

61 28.6 22.0 33.0

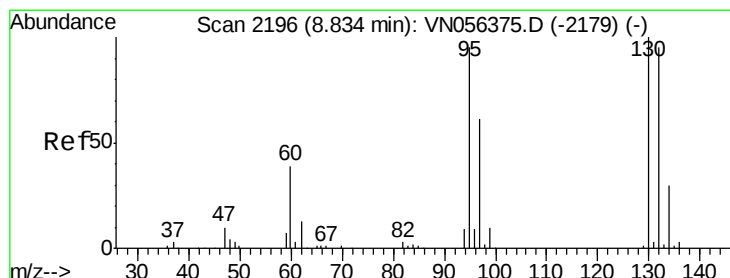
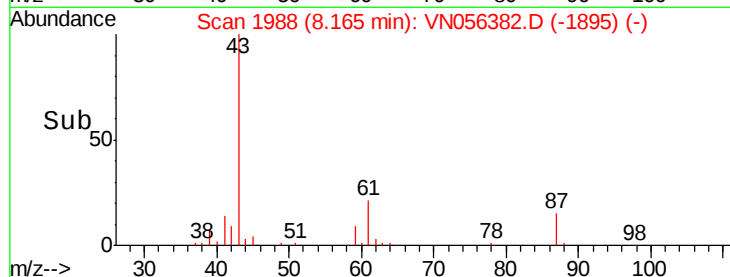
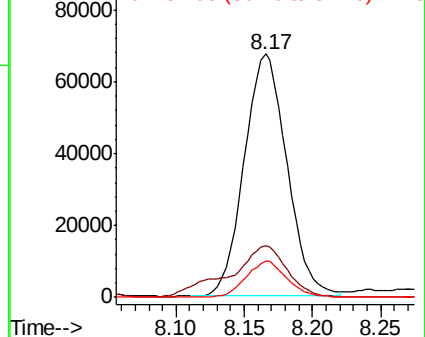
87 14.3 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#44

Trichloroethene

Concen: 19.520 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056382.D

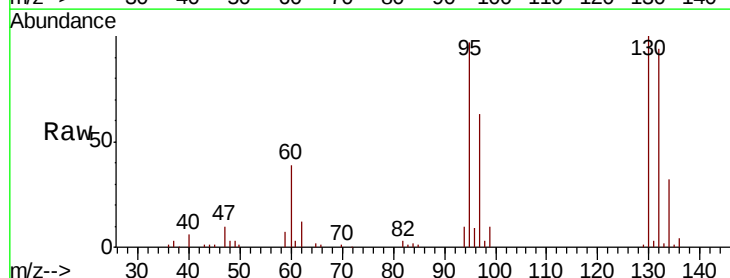
Acq: 19 Jun 2019 13:22

Tgt Ion:130 Resp: 81182

Ion Ratio Lower Upper

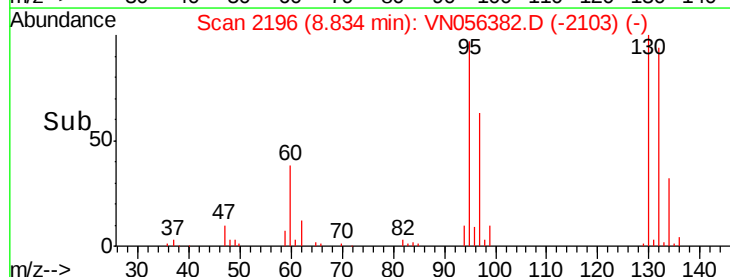
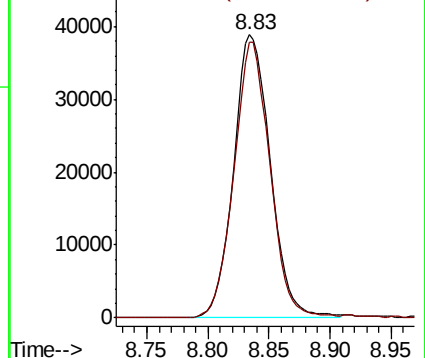
130 100

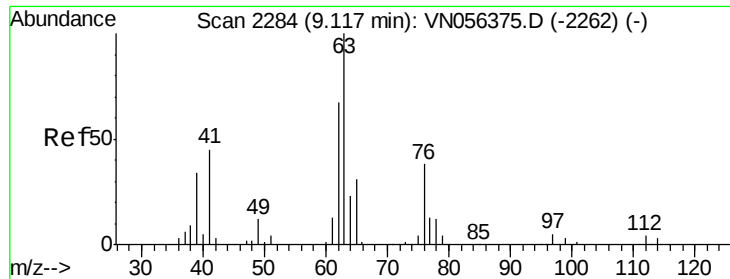
95 97.5 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)

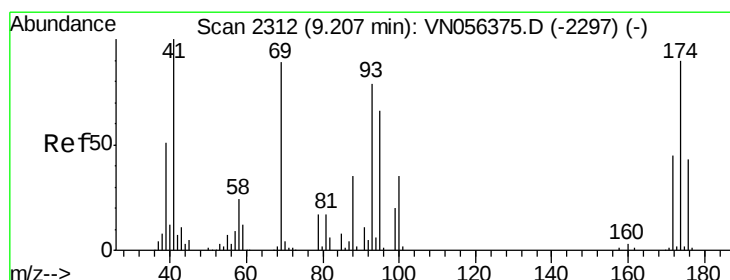
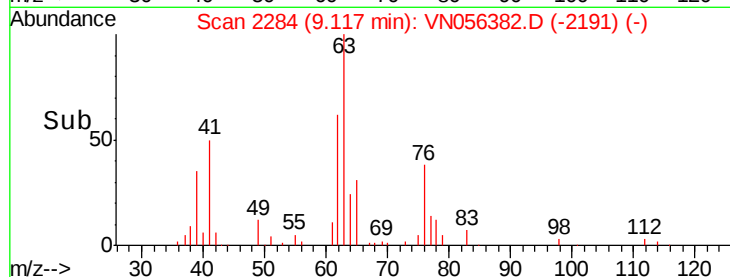
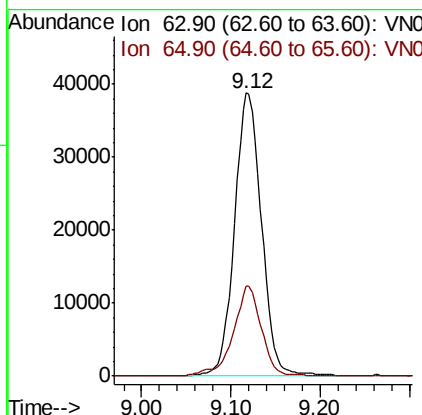
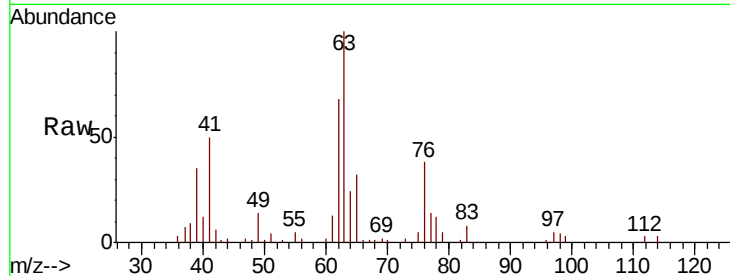




#45
 1,2-Dichloropropane
 Concen: 19.749 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

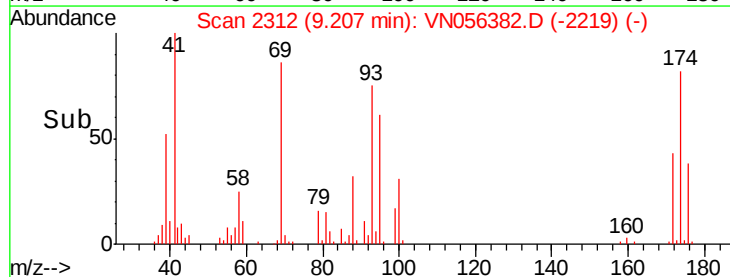
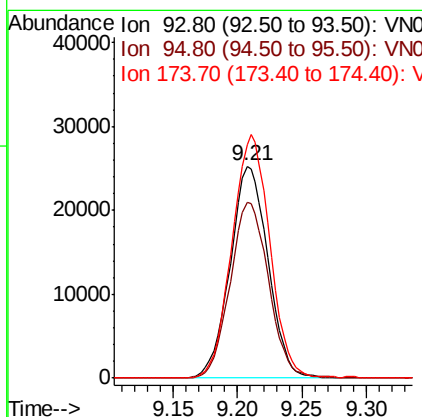
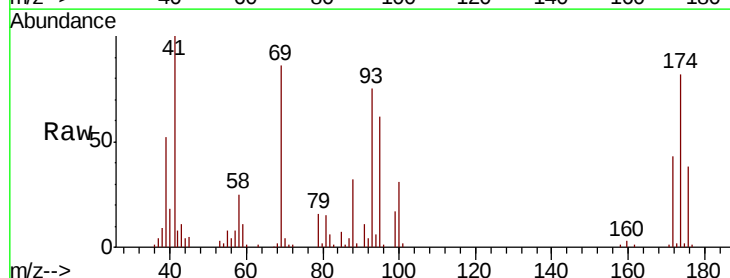
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

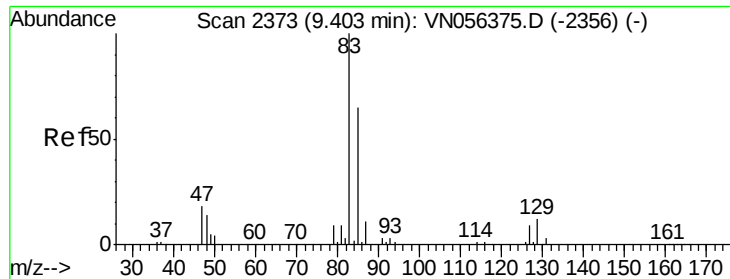
Tot Ion: 63 Resp: 81543
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6



#46
 Dibromomethane
 Concen: 20.005 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion: 93 Resp: 51679
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.2
 174 114.4 90.8 136.2

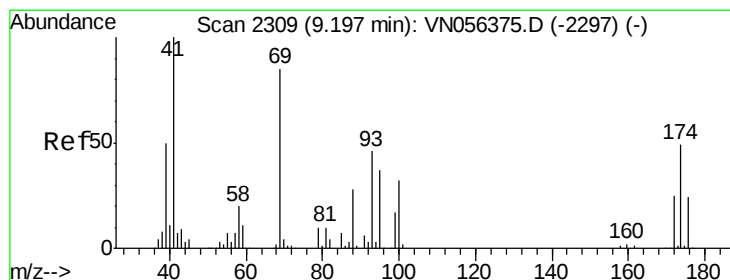
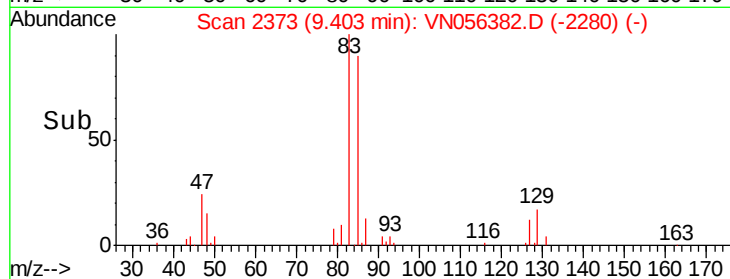
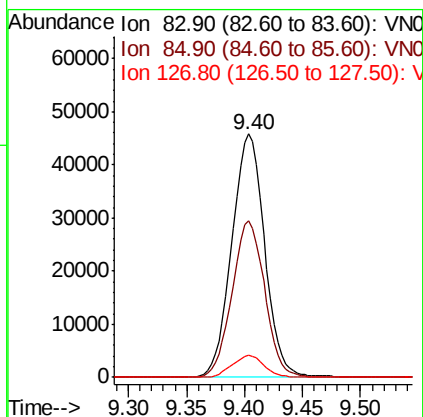
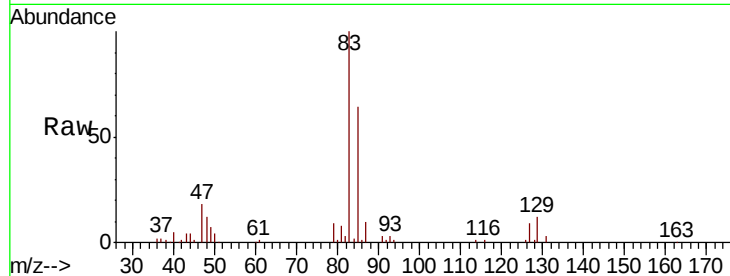




#47
Bromodichloromethane
Concen: 19.578 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

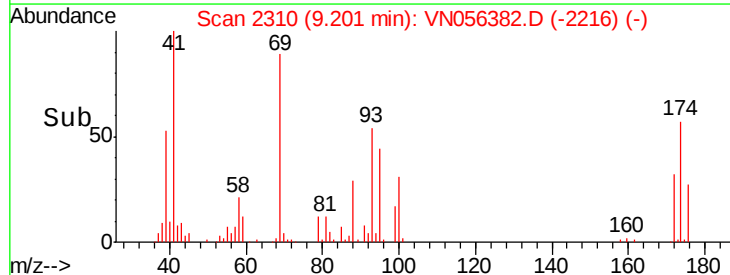
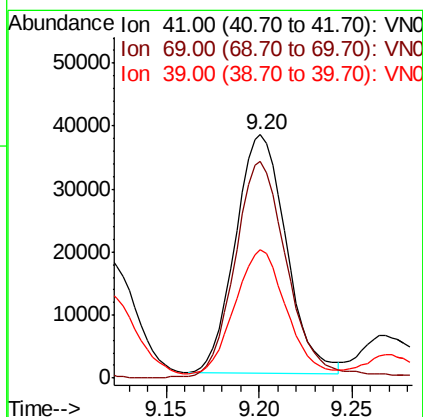
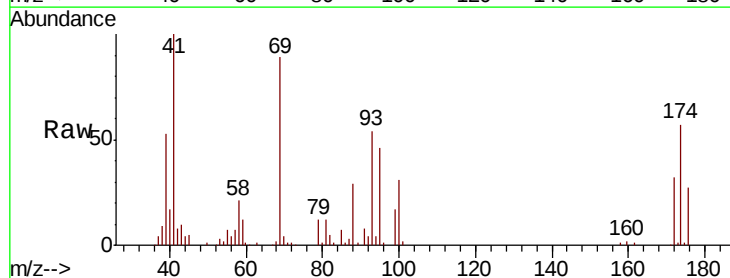
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

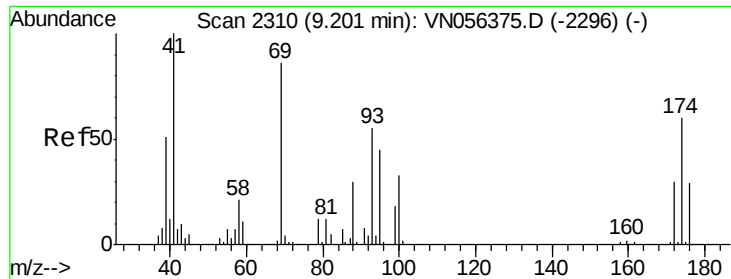
Tot Ion: 83 Resp: 89700
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.4
127 8.9 7.3 10.9



#48
Methyl methacrylate
Concen: 18.947 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 41 Resp: 72219
Ion Ratio Lower Upper
41 100
69 94.2 72.6 109.0
39 55.5 42.6 63.8





#49

1,4-Dioxane

Concen: 373.219 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

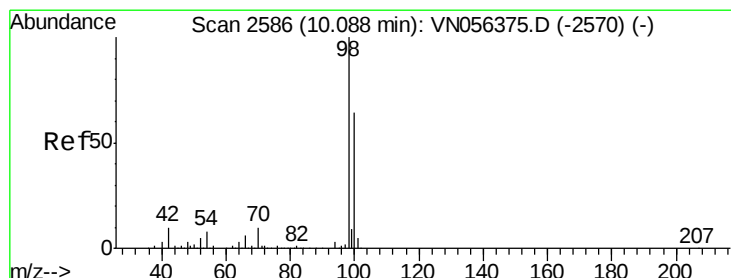
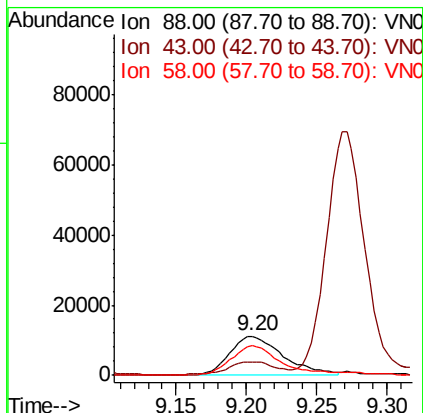
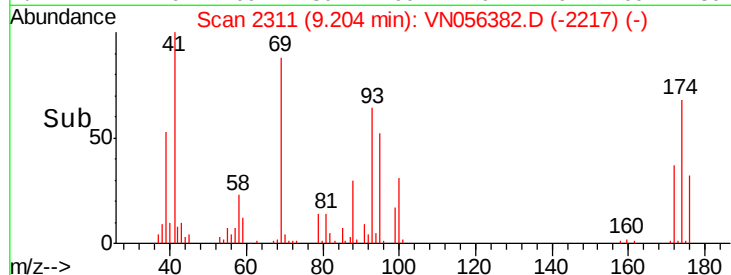
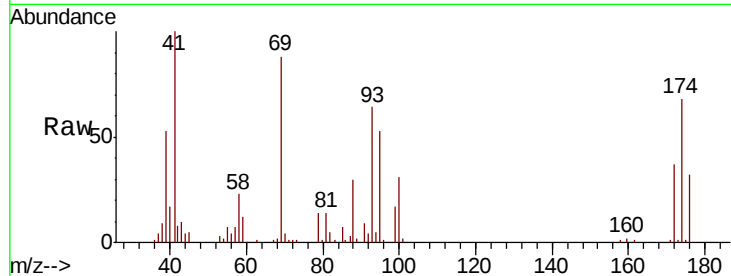
Tot Ion: 88 Resp: 29524

Ion Ratio Lower Upper

88 100

43 29.3 22.0 33.0

58 70.4 51.8 77.8



#50

Toluene-d8

Concen: 48.969 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056382.D

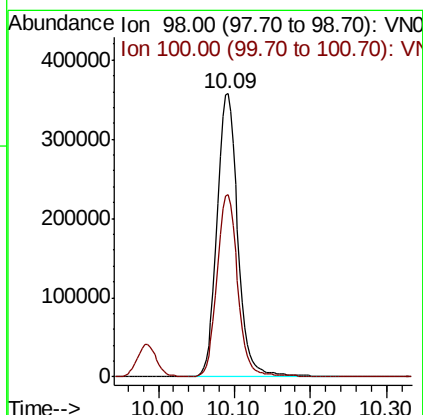
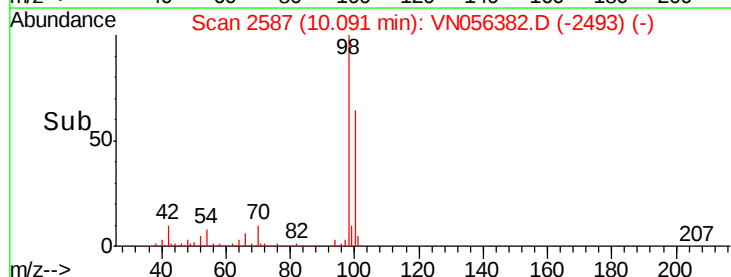
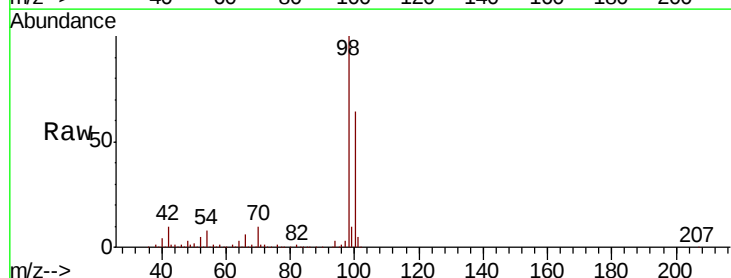
Acq: 19 Jun 2019 13:22

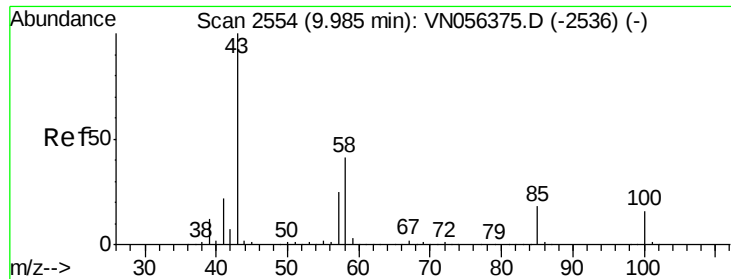
Tgt Ion: 98 Resp: 677850

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 99.155 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

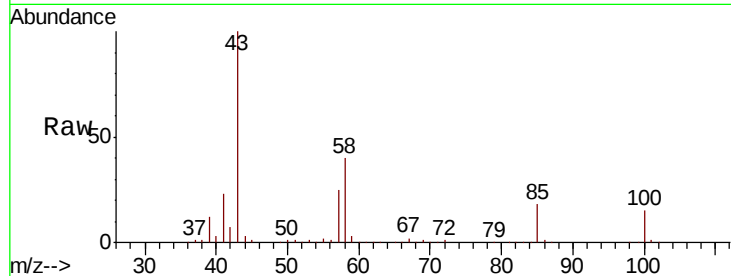
VN0619WBS01

Tot Ion: 43 Resp: 486772

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

250000

200000

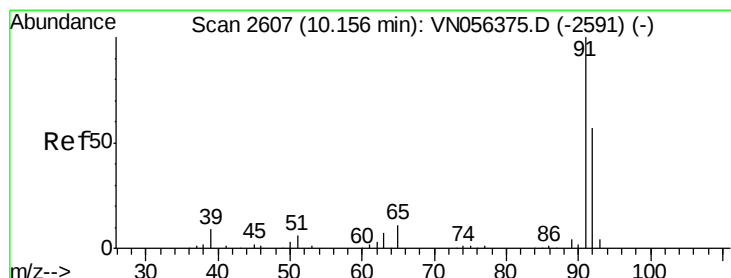
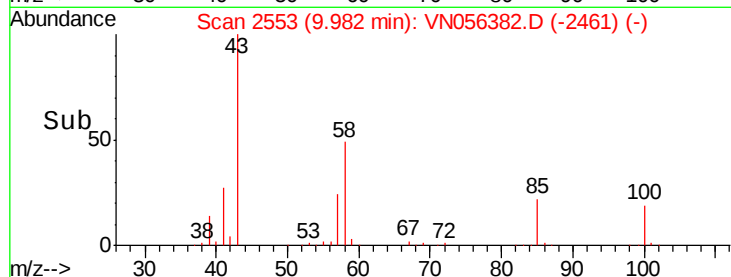
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.054 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056382.D

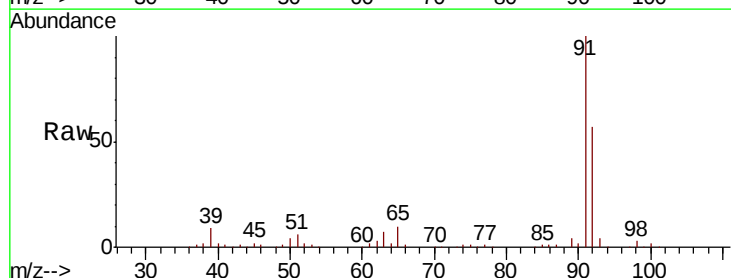
Acq: 19 Jun 2019 13:22

Tgt Ion: 92 Resp: 189294

Ion Ratio Lower Upper

92 100

91 172.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

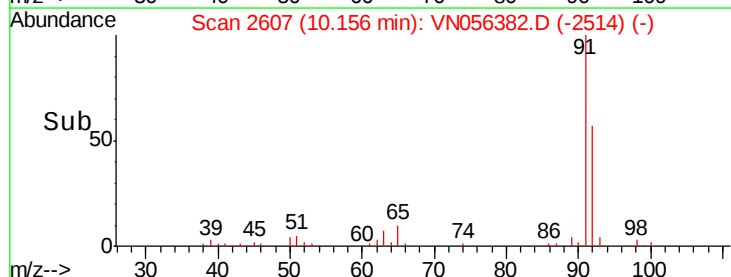
150000

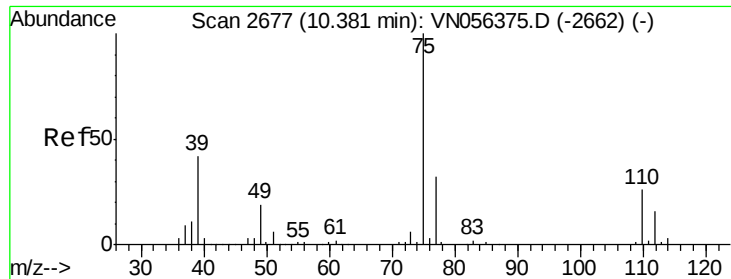
100000

50000

0

Time-->

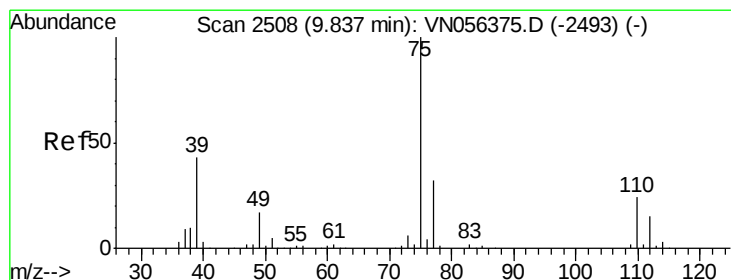
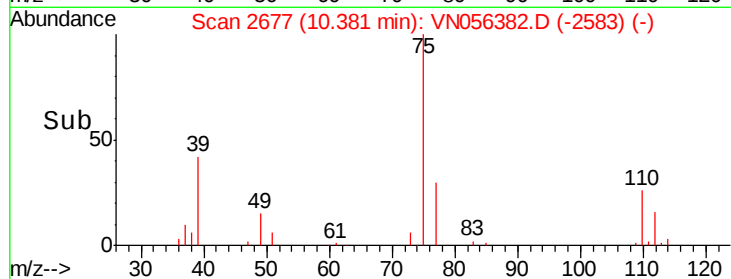
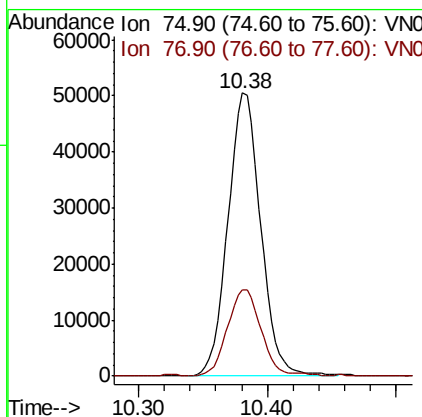
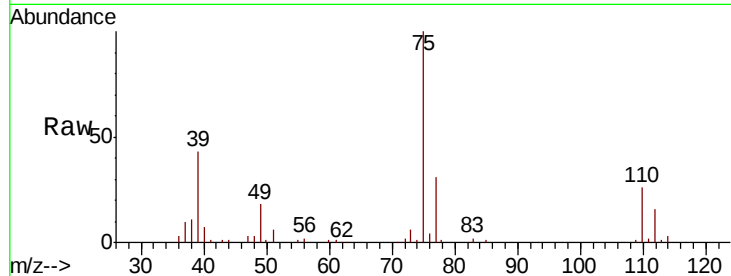




#53
 t-1,3-Dichloropropene
 Concen: 18.651 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

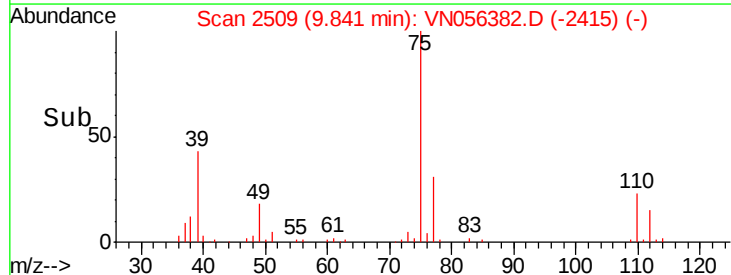
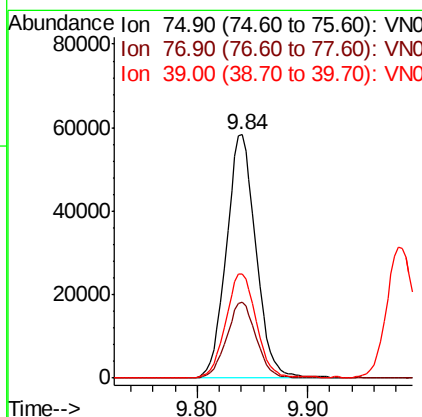
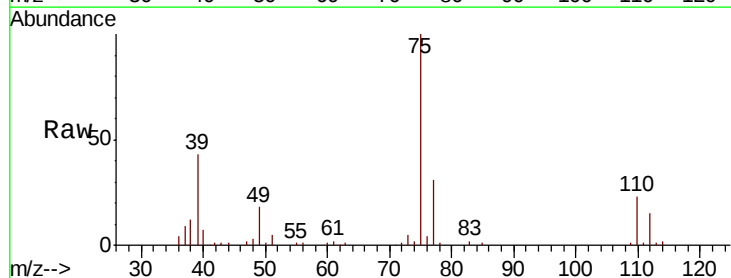
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

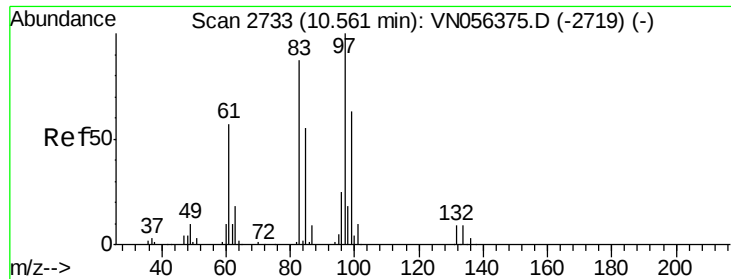
Tot Ion: 75 Resp: 89258
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.652 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion: 75 Resp: 108428
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8
 39 42.8 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 19.583 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 97 Resp: 74301

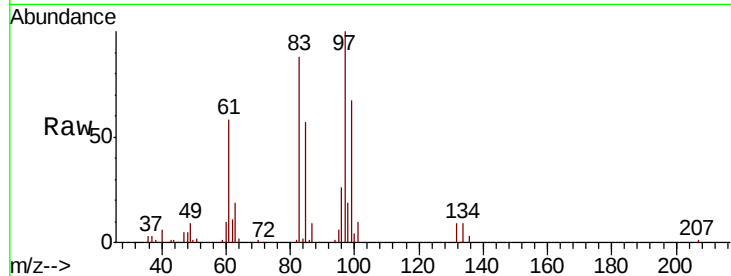
Ion Ratio Lower Upper

97 100

83 88.2 69.8 104.6

85 57.5 43.8 65.8

99 66.9 50.2 75.2

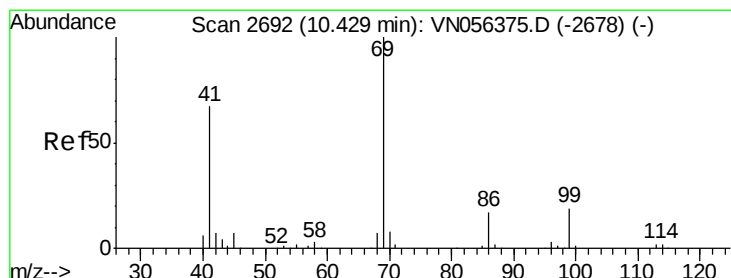
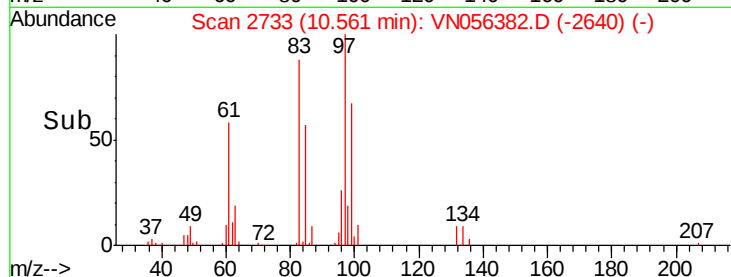
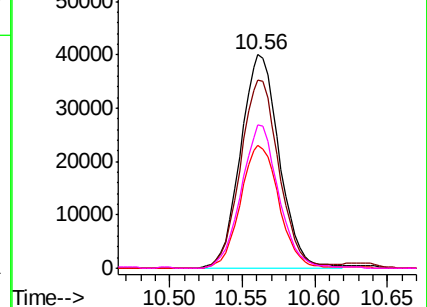


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 20.057 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

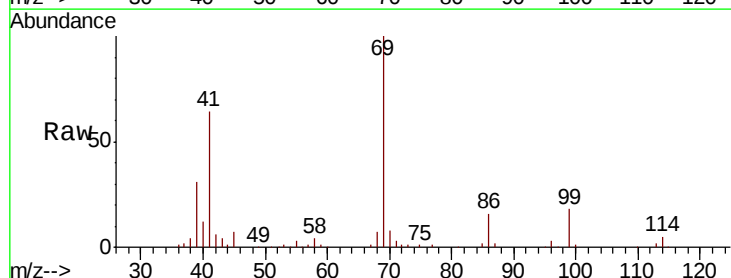
Tgt Ion: 69 Resp: 111215

Ion Ratio Lower Upper

69 100

41 63.8 51.4 77.2

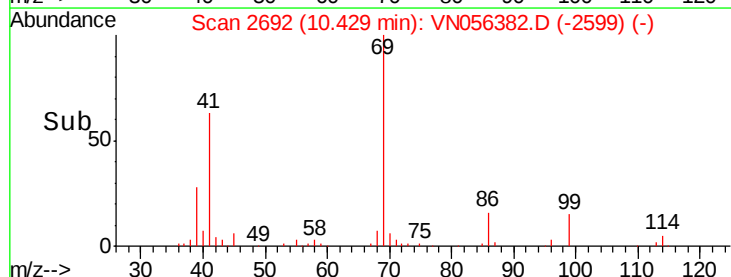
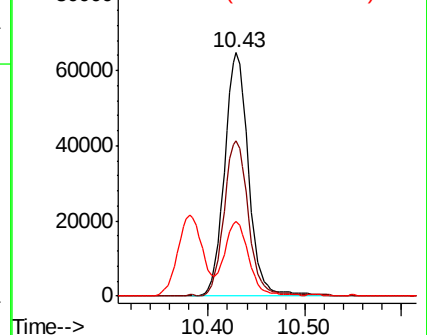
39 30.5 24.7 37.1

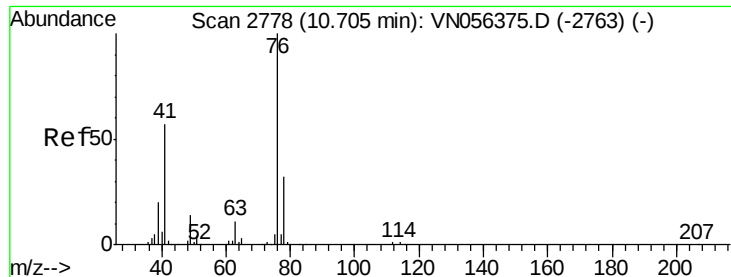


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

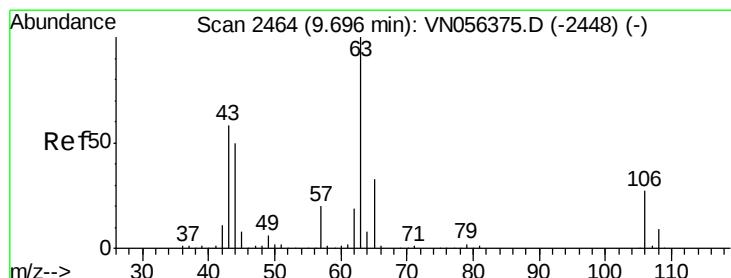
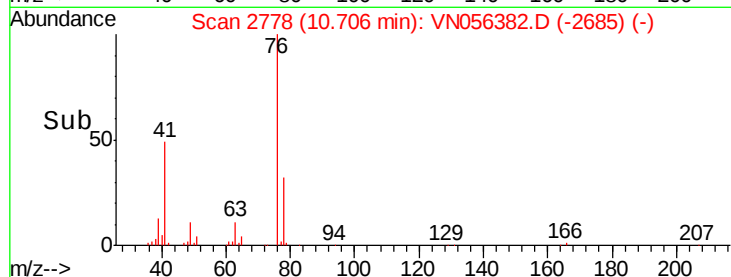
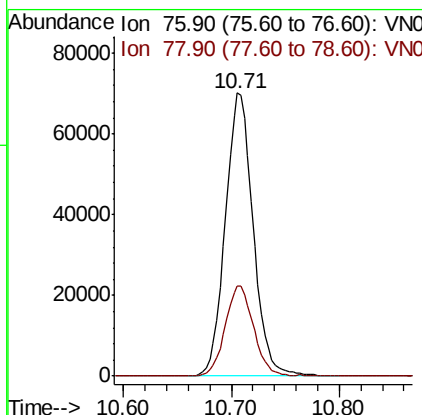
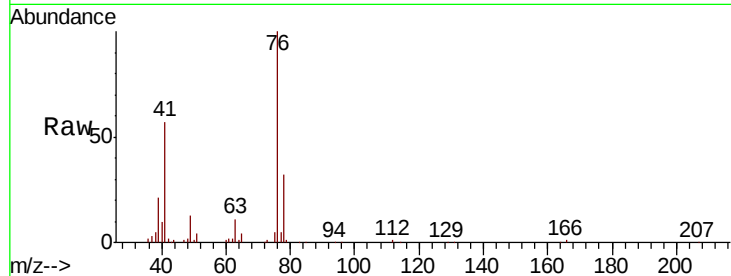




#57
 1,3-Dichloropropane
 Concen: 19.775 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

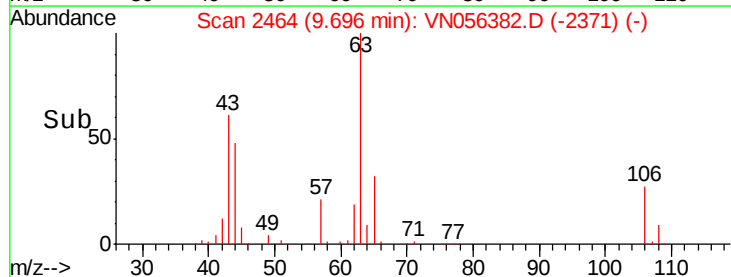
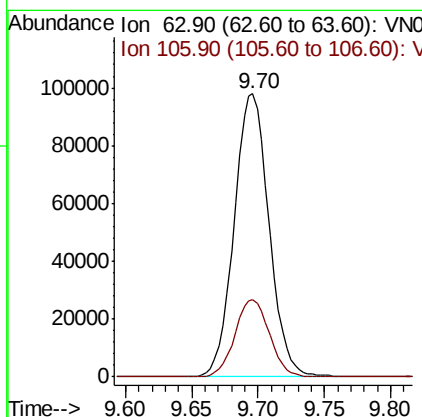
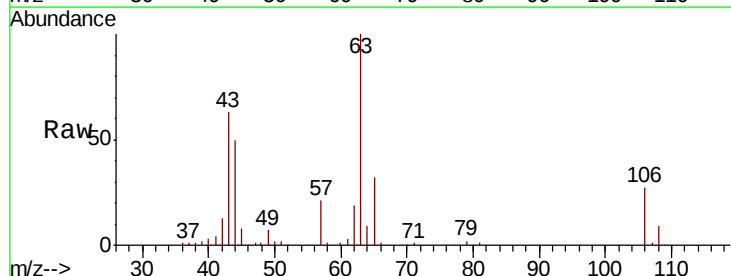
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

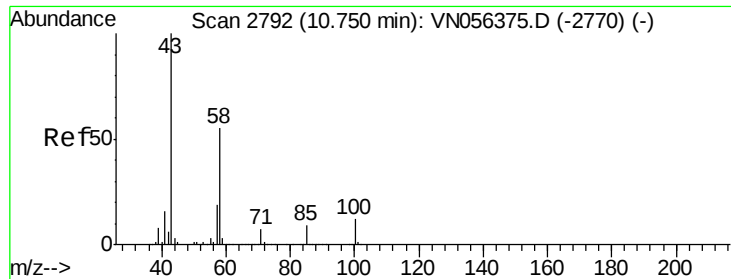
Tot Ion: 76 Resp: 126049
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.613 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion: 63 Resp: 178512
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.6 32.4

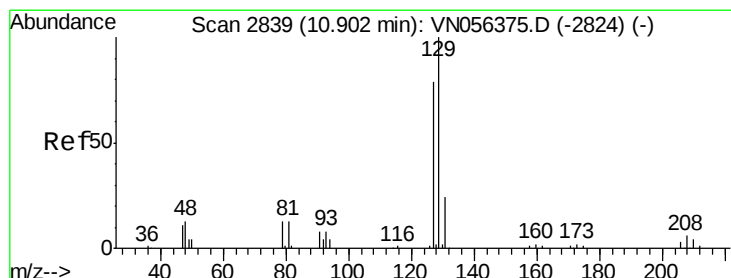
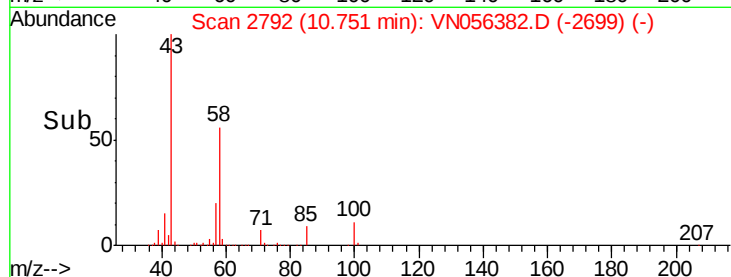
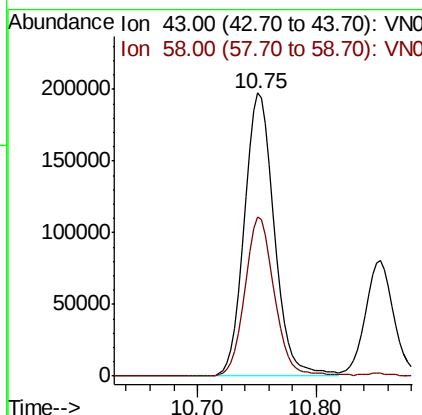
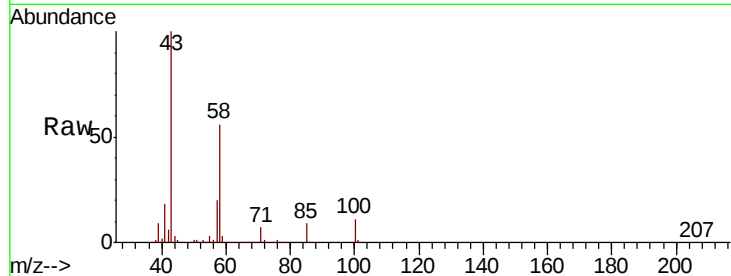




#59
2-Hexanone
Concen: 95.166 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

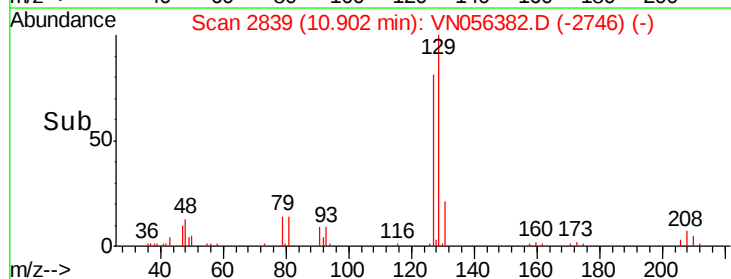
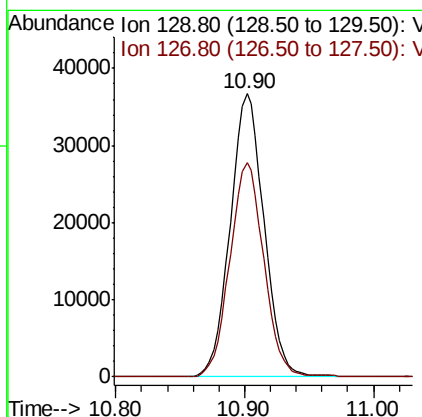
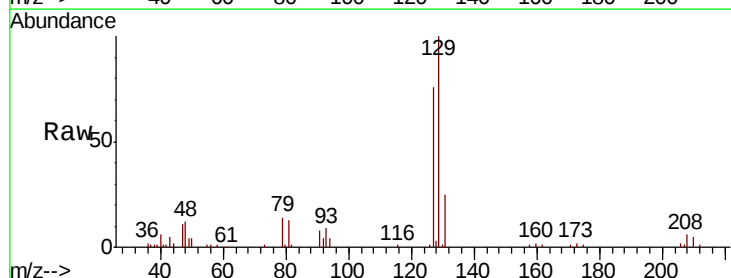
Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

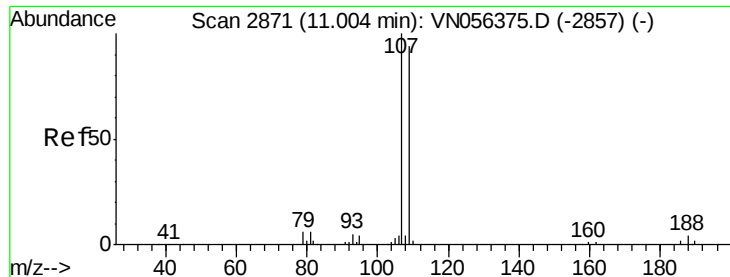
Tot Ion: 43 Resp: 343371
Ion Ratio Lower Upper
43 100
58 55.8 27.8 83.4



#60
Dibromochloromethane
Concen: 18.690 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 129 Resp: 66781
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.7

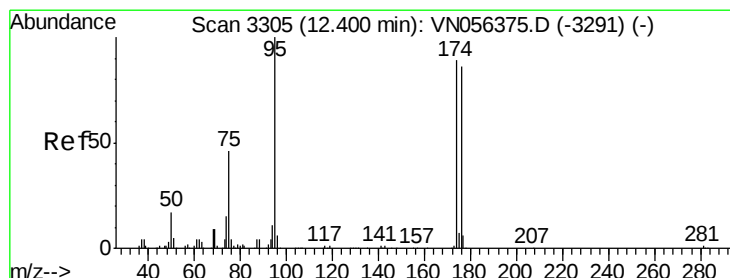
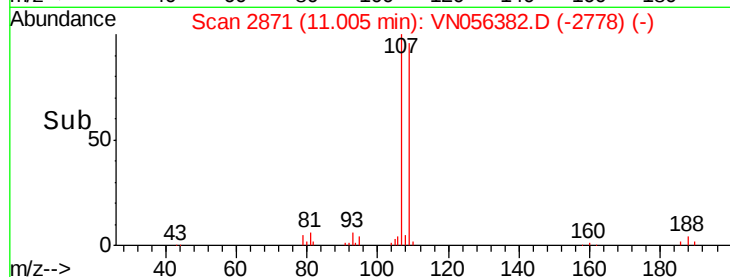
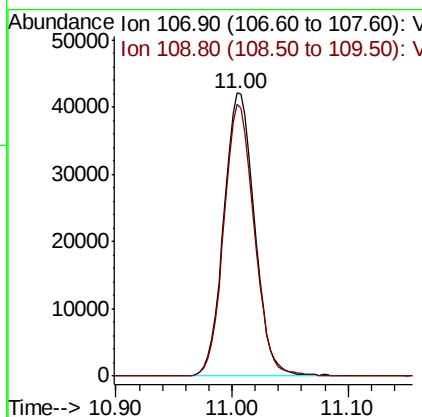
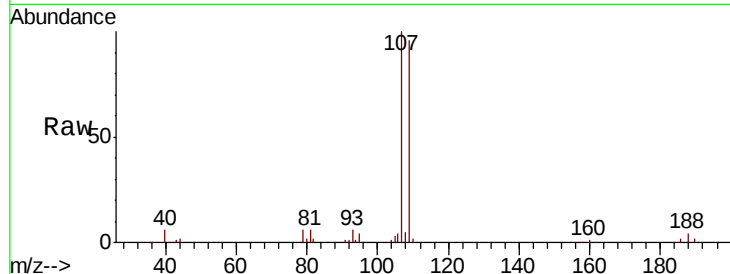




#61
 1,2-Dibromoethane
 Concen: 19.916 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

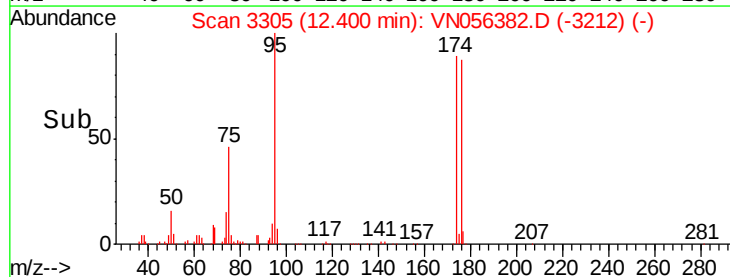
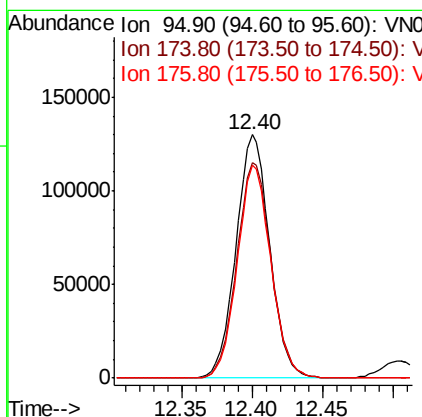
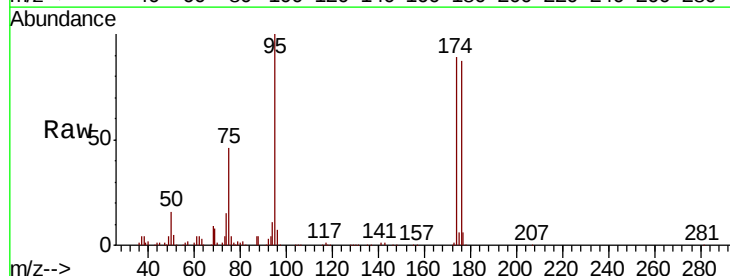
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

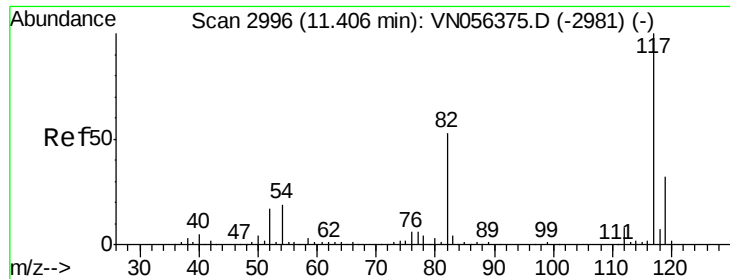
Tot Ion:107 Resp: 77179
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 47.048 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion: 95 Resp: 217102
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 179.4
 176 87.4 0.0 173.4

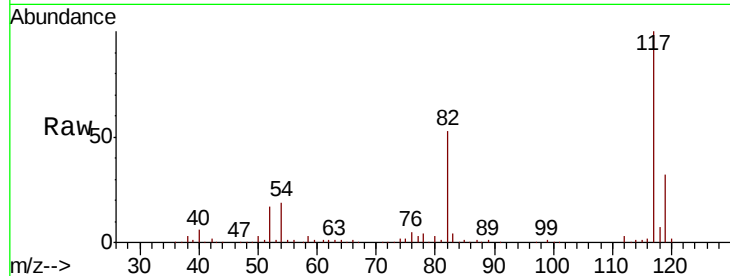




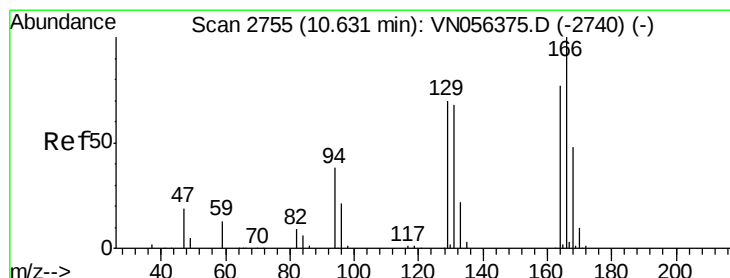
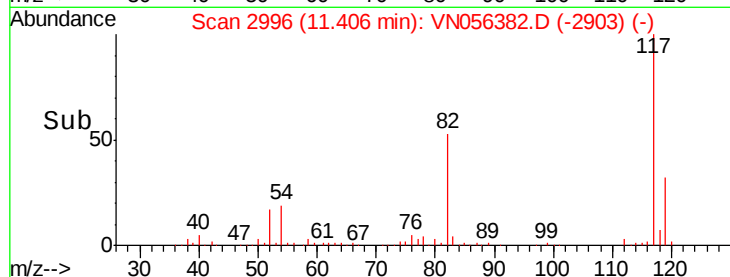
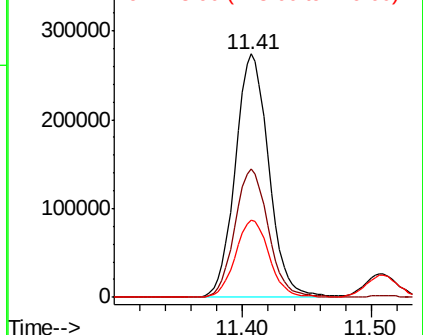
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion:117 Resp: 494386
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 31.6 25.3 37.9

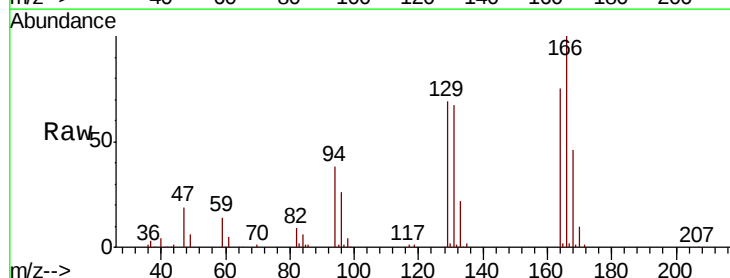


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

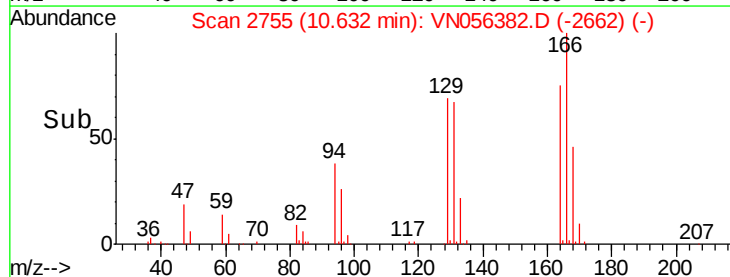
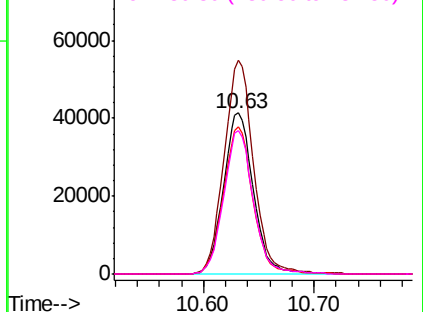


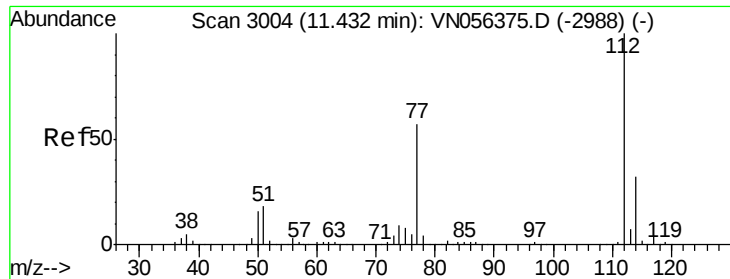
#64
Tetrachloroethene
Concen: 19.851 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion:164 Resp: 77721
Ion Ratio Lower Upper
164 100
166 132.9 103.4 155.0
129 91.5 72.0 108.0
131 89.3 70.2 105.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

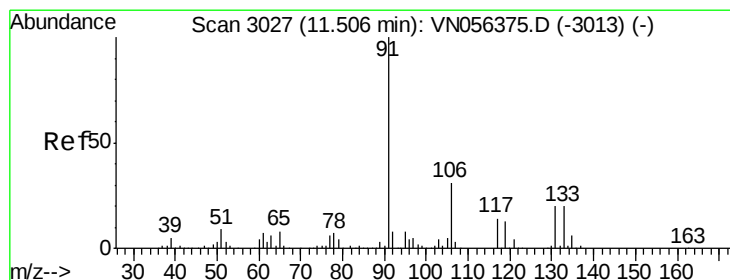
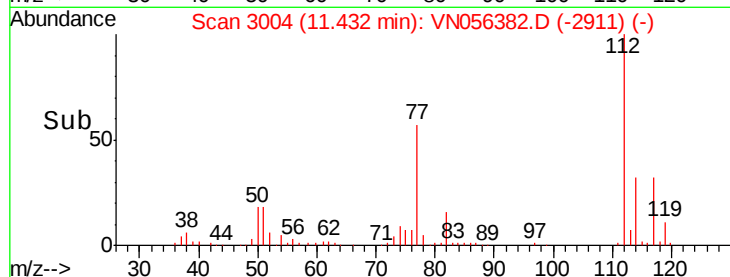
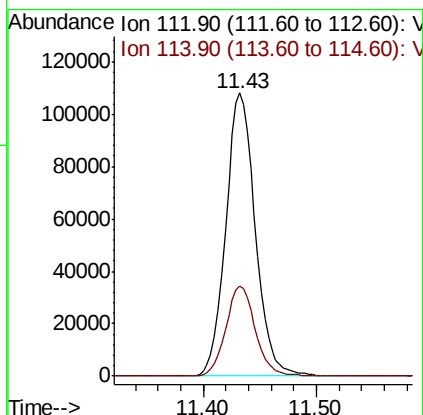
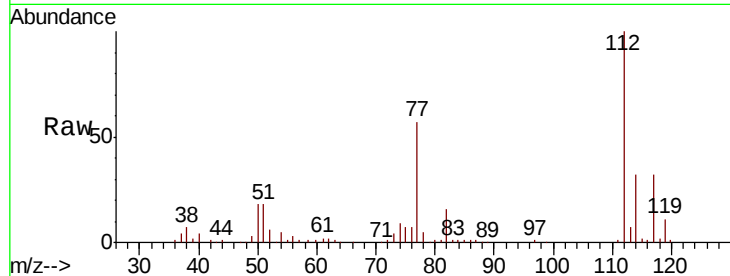




#65
Chlorobenzene
Concen: 19.715 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

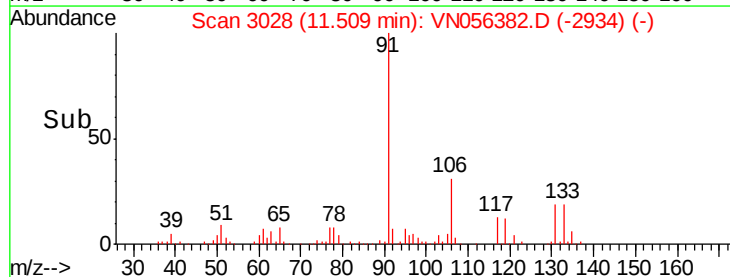
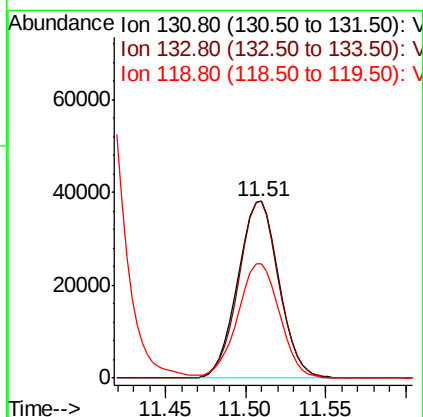
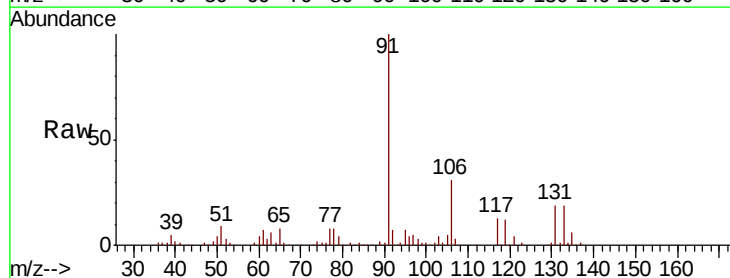
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

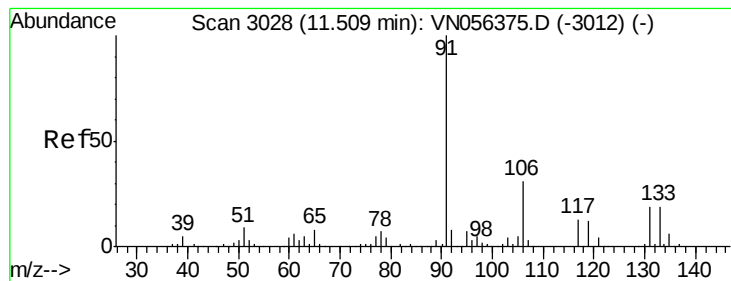
Tot Ion:112 Resp: 195854
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.015 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion:131 Resp: 67201
Ion Ratio Lower Upper
131 100
133 97.3 47.4 142.2
119 65.9 32.8 98.4





#67

Ethyl Benzene

Concen: 19.710 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

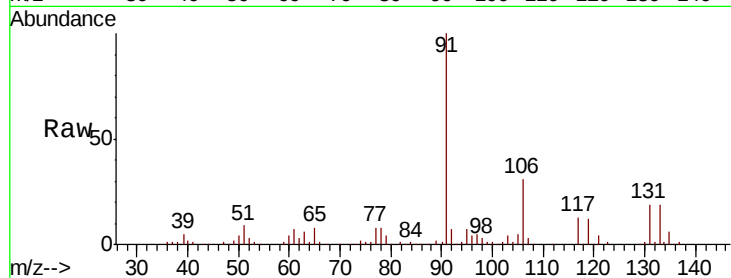
VN0619WBS01

Tot Ion: 91 Resp: 343797

Ion Ratio Lower Upper

91 100

106 30.9 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN056375.D (-3012) (-)

300000

250000

200000

150000

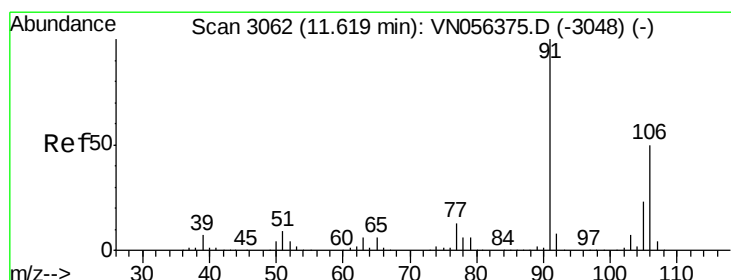
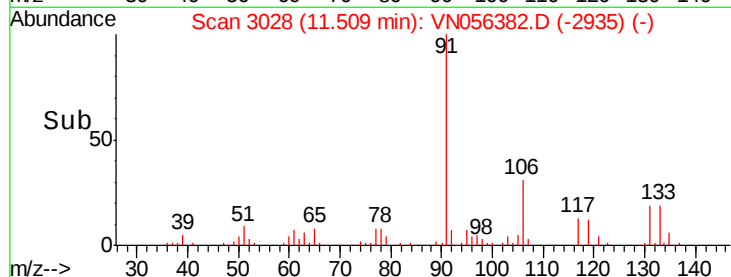
100000

50000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 39.801 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN056382.D

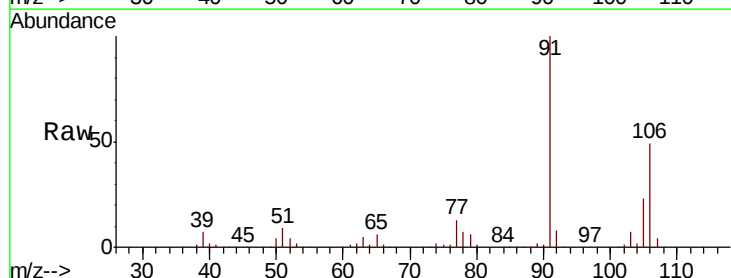
Acq: 19 Jun 2019 13:22

Tgt Ion: 106 Resp: 254422

Ion Ratio Lower Upper

106 100

91 203.0 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VN056375.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN056375.D (-3048) (-)

300000

250000

200000

150000

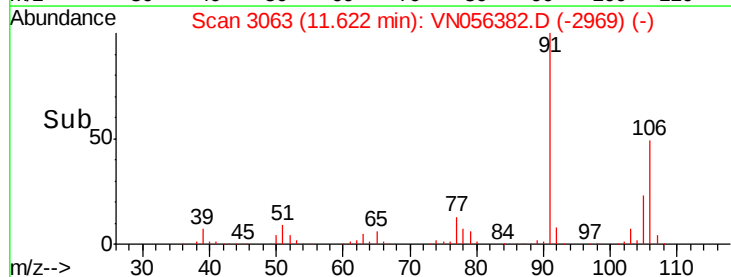
100000

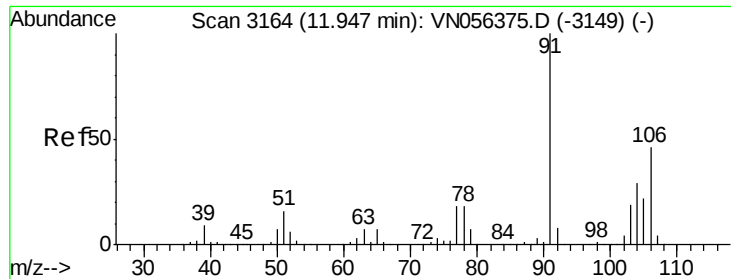
50000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->

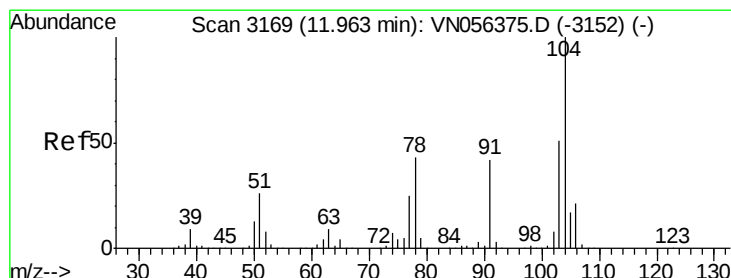
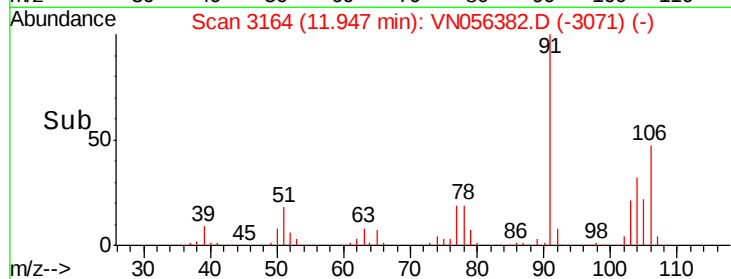
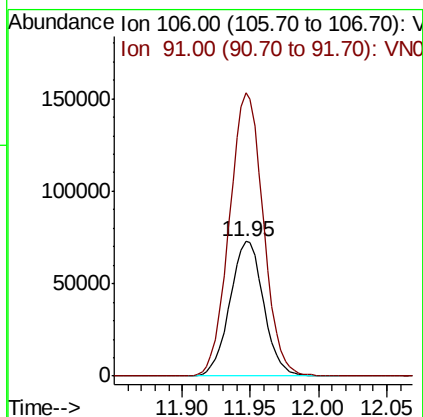
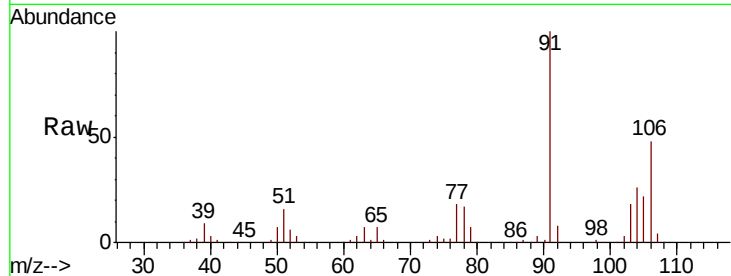




#69
o-Xylene
Concen: 19.735 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

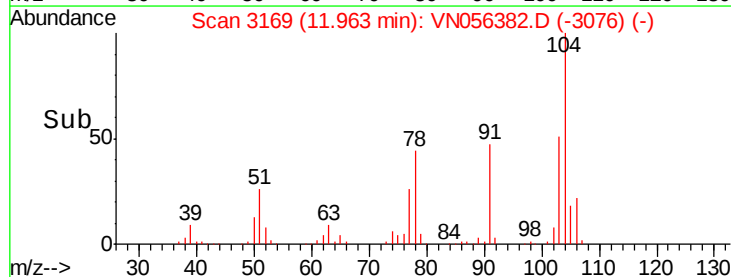
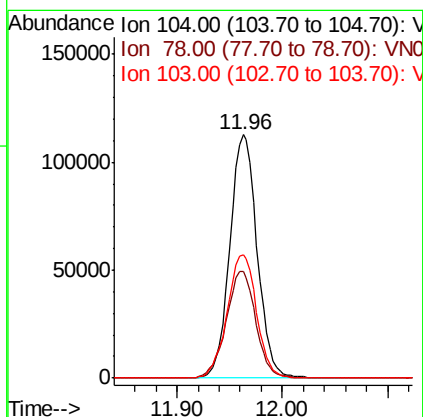
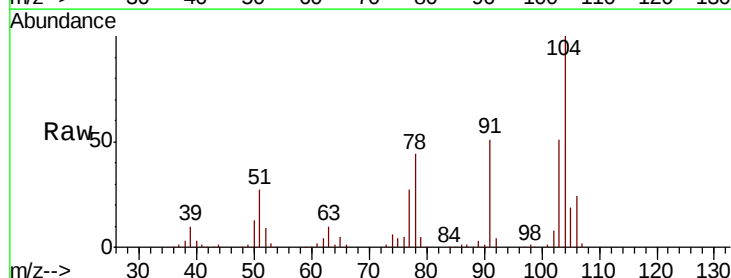
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

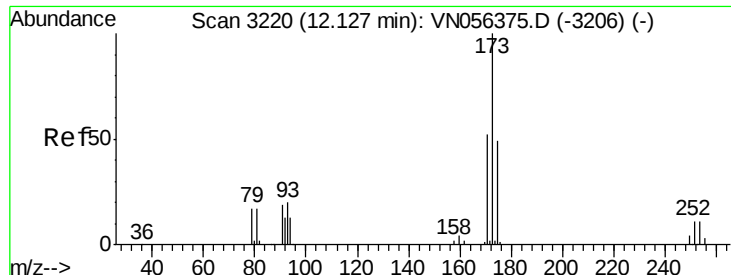
Tot Ion:106 Resp: 124808
Ion Ratio Lower Upper
106 100
91 211.9 107.1 321.3



#70
Styrene
Concen: 19.977 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion:104 Resp: 201941
Ion Ratio Lower Upper
104 100
78 47.5 38.6 57.8
103 54.7 43.9 65.9





#71

Bromoform

Concen: 18.186 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

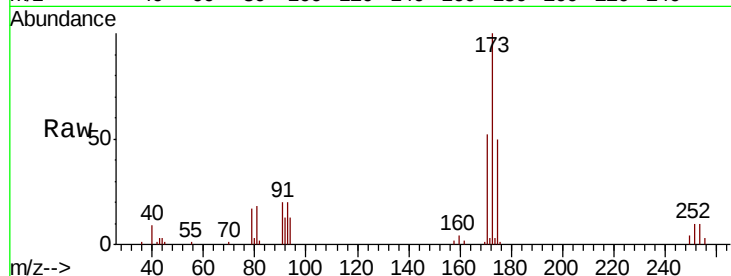
Tot Ion:173 Resp: 43479

Ion Ratio Lower Upper

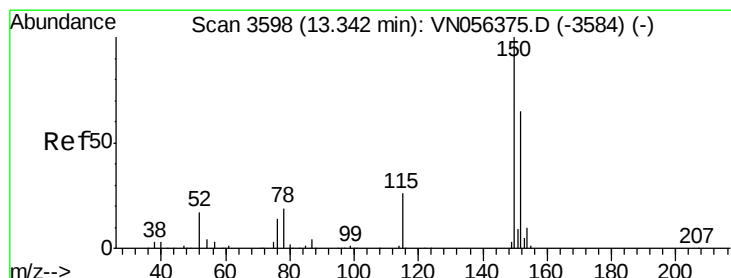
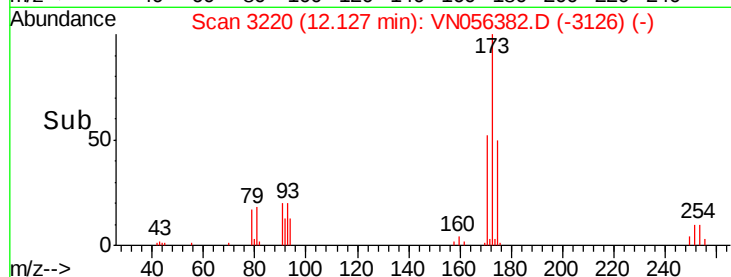
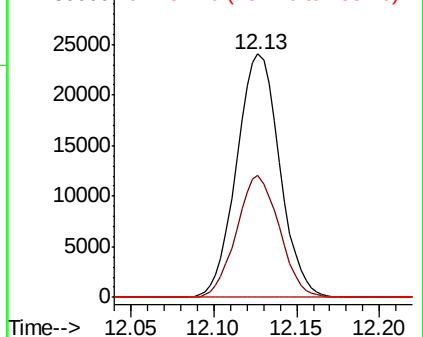
173 100

175 49.6 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: VN056382.D

Acq: 19 Jun 2019 13:22

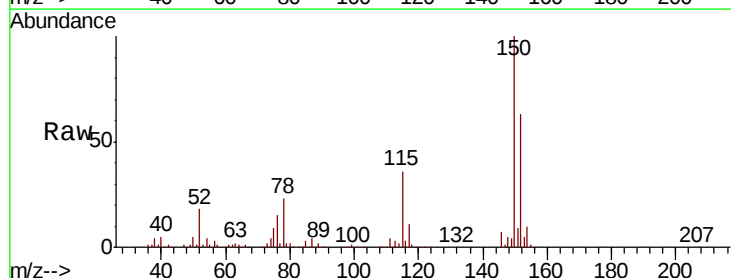
Tgt Ion:152 Resp: 182098

Ion Ratio Lower Upper

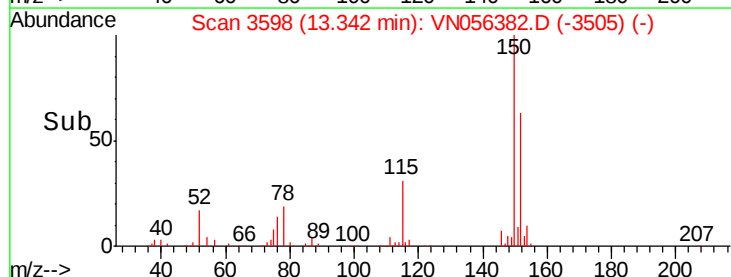
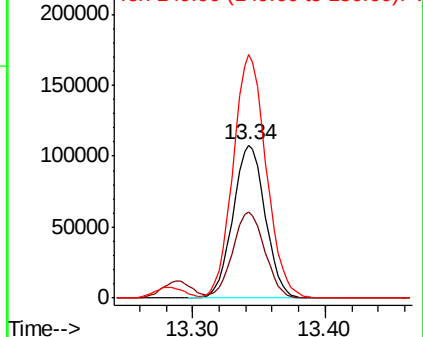
152 100

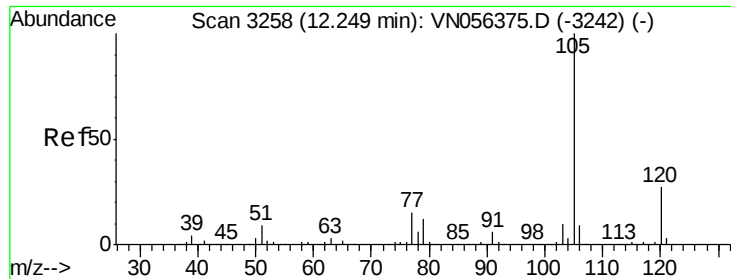
115 56.1 28.1 84.4

150 163.4 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: 22.977 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

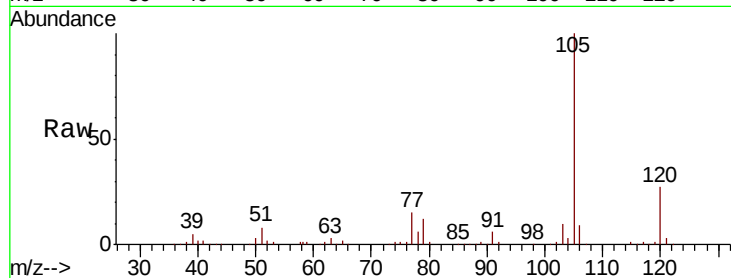
VN0619WBS01

Tot Ion:105 Resp: 334135

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

150000

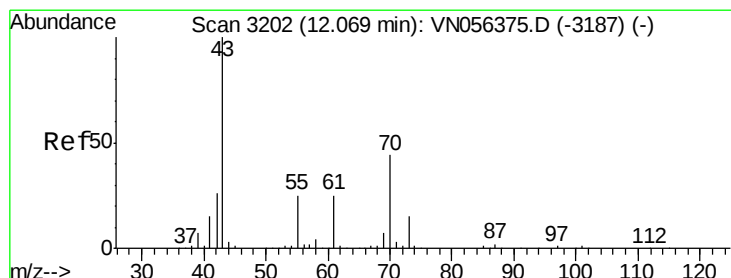
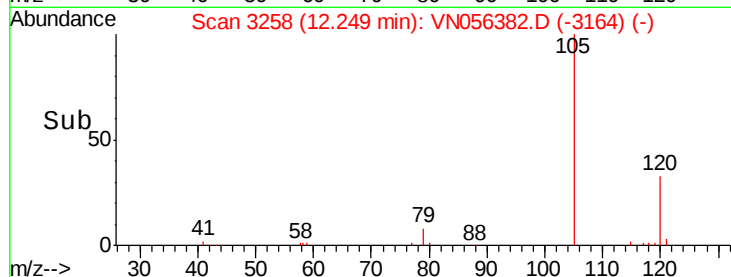
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 20.143 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Tgt Ion: 43 Resp: 116736

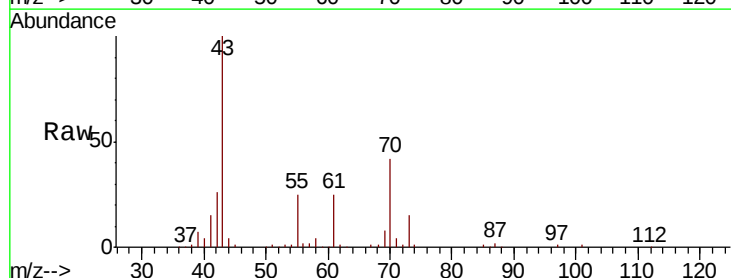
Ion Ratio Lower Upper

43 100

70 43.0 34.9 52.3

55 25.4 20.4 30.6

61 25.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

100000

80000

60000

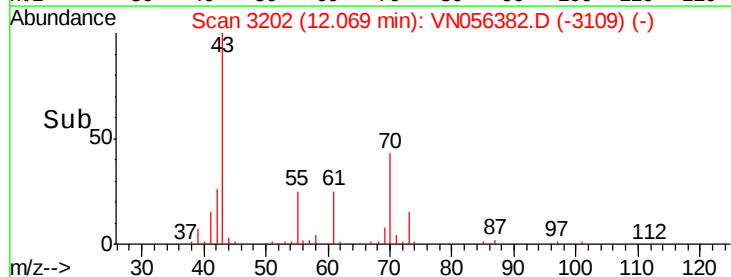
40000

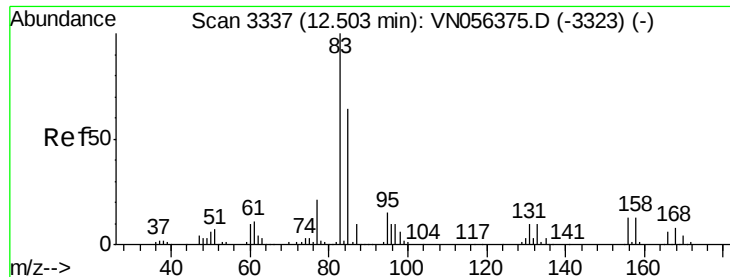
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 22.891 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

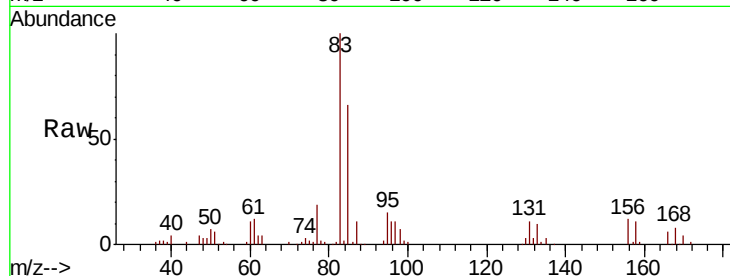
Tot Ion: 83 Resp: 103984

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

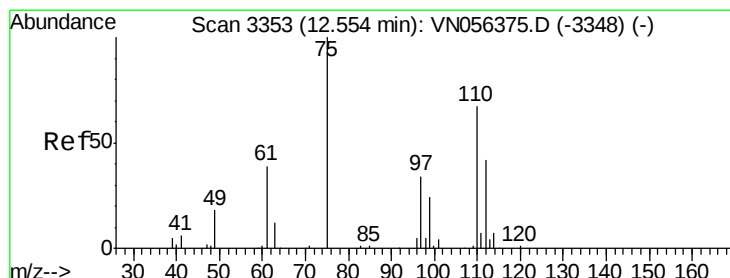
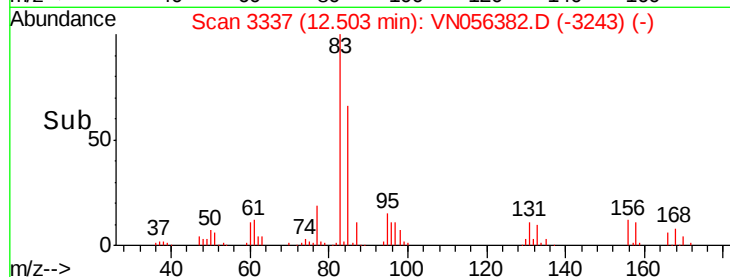
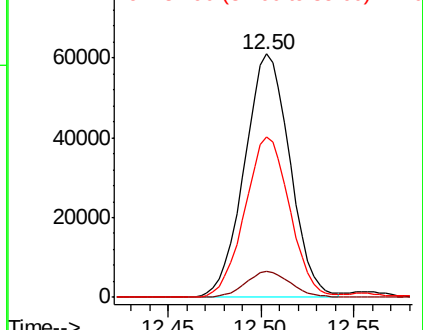
85 65.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.917 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056382.D

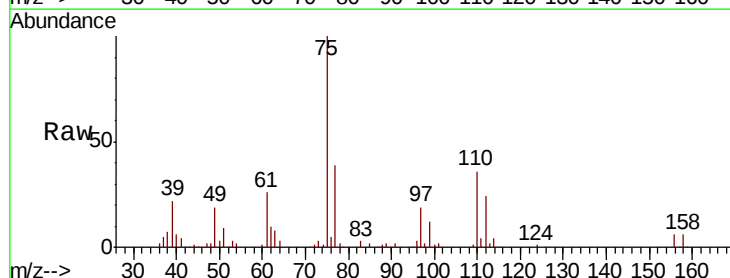
Acq: 19 Jun 2019 13:22

Tgt Ion: 75 Resp: 116739

Ion Ratio Lower Upper

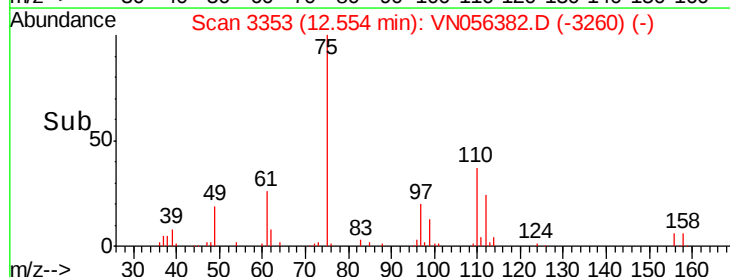
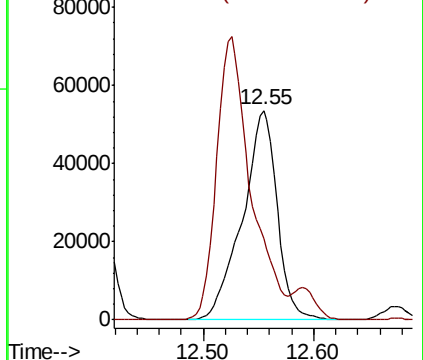
75 100

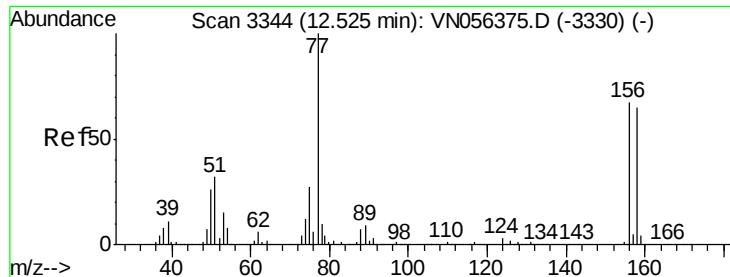
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.458 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

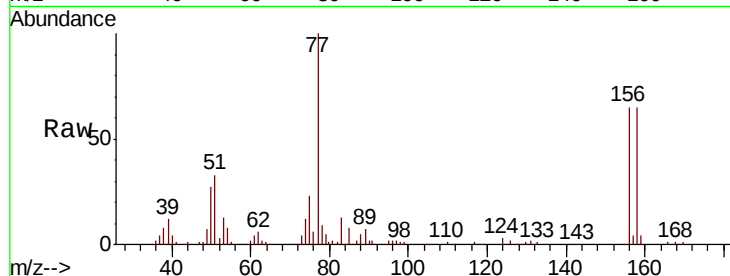
Tot Ion:156 Resp: 83298

Ion Ratio Lower Upper

156 100

77 187.5 92.5 277.3

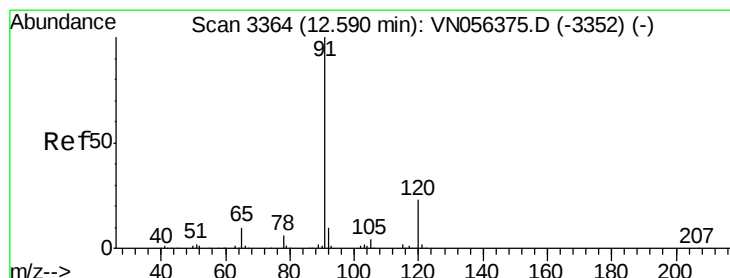
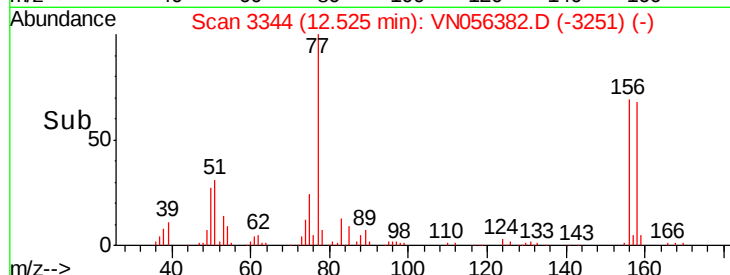
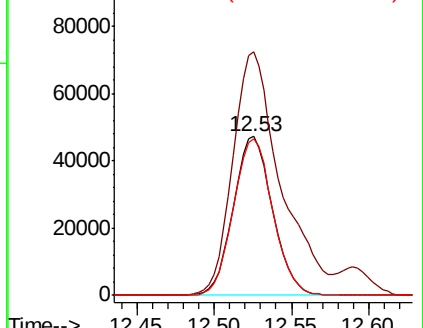
158 98.9 48.7 146.1



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: 20.557 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056382.D

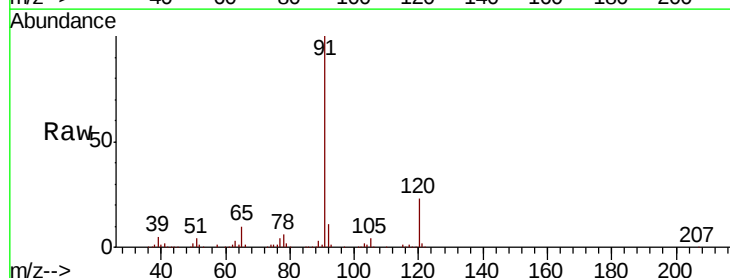
Acq: 19 Jun 2019 13:22

Tgt Ion: 91 Resp: 342802

Ion Ratio Lower Upper

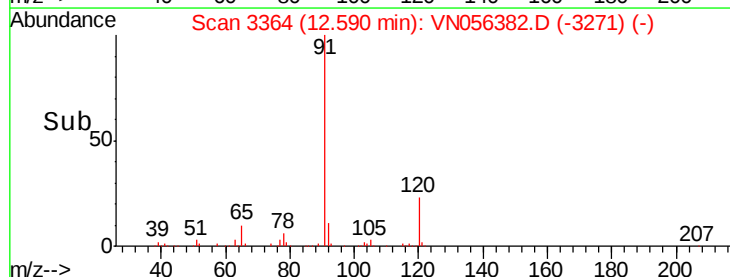
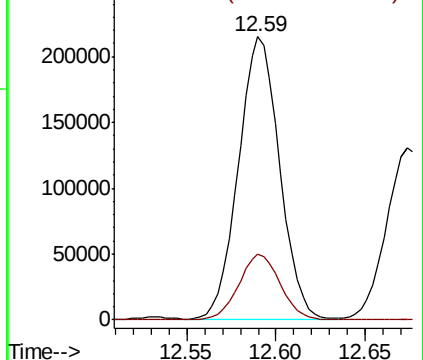
91 100

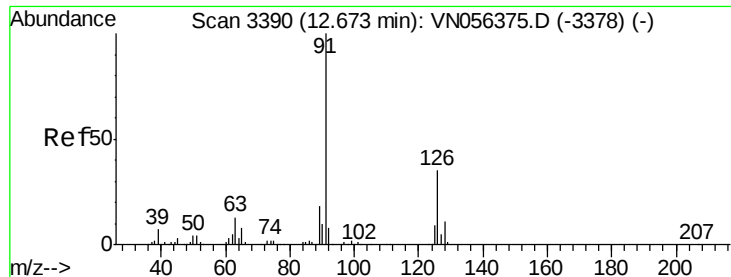
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.264 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

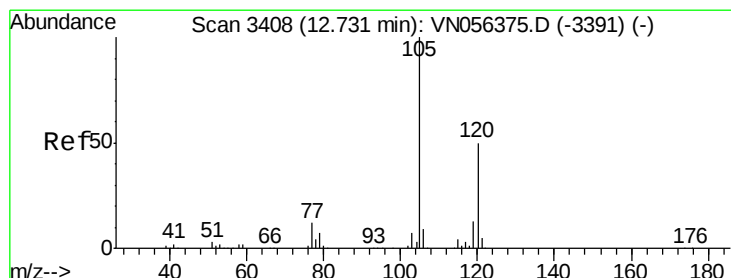
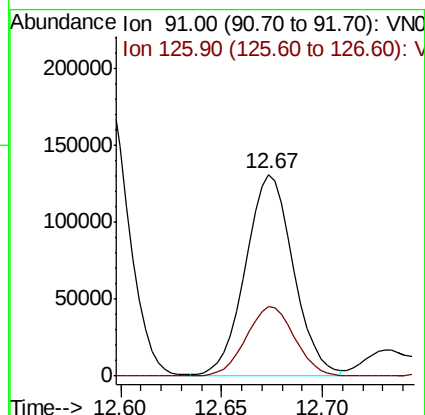
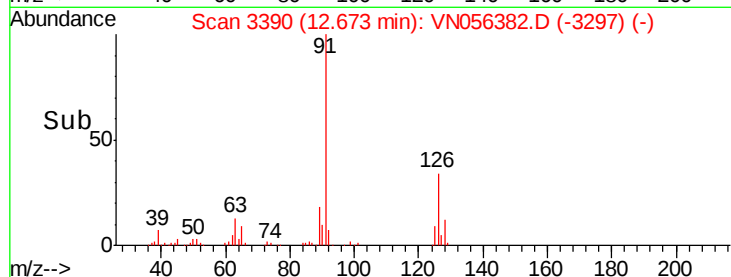
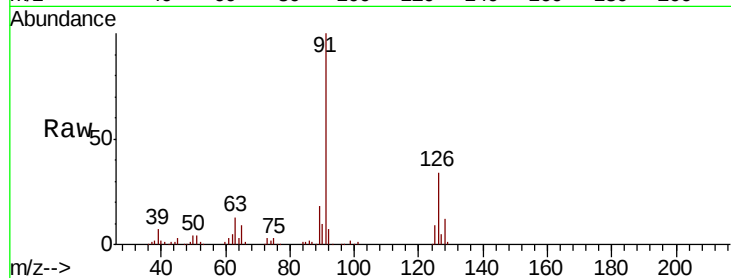
VN0619WBS01

Tot Ion: 91 Resp: 216418

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.115 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056382.D

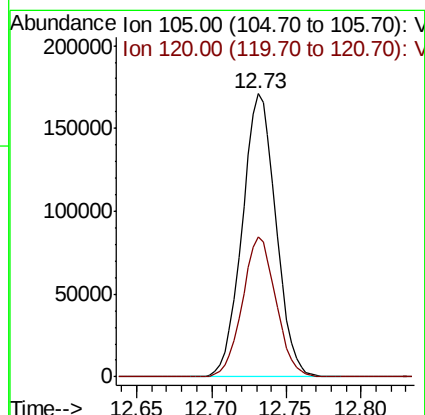
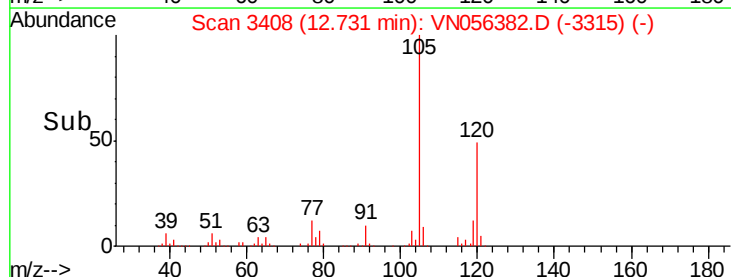
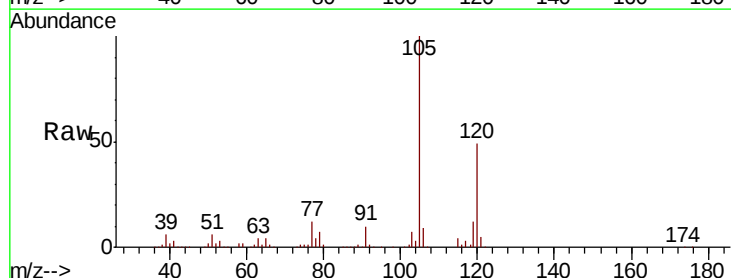
Acq: 19 Jun 2019 13:22

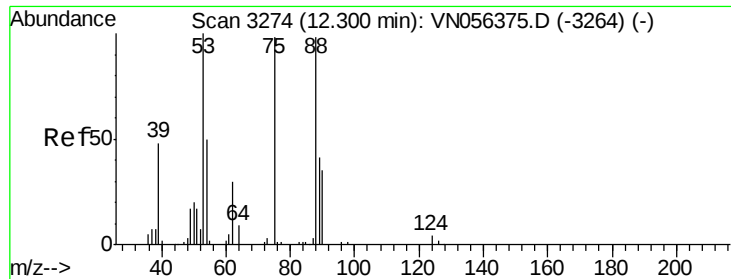
Tgt Ion: 105 Resp: 267887

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.830 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS01

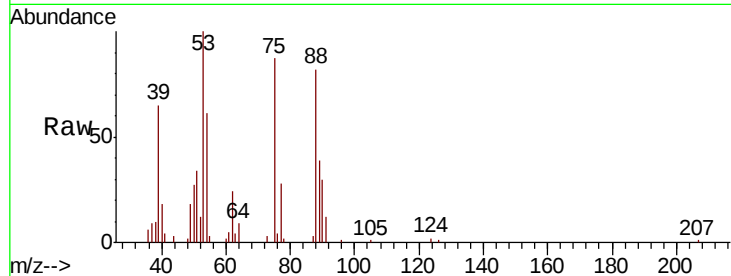
Tot Ion: 75 Resp: 20004

Ion Ratio Lower Upper

75 100

53 116.8 83.9 125.9

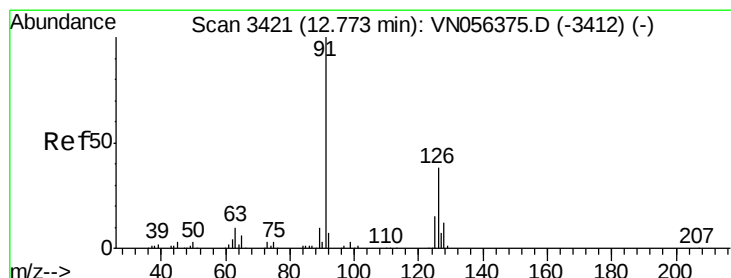
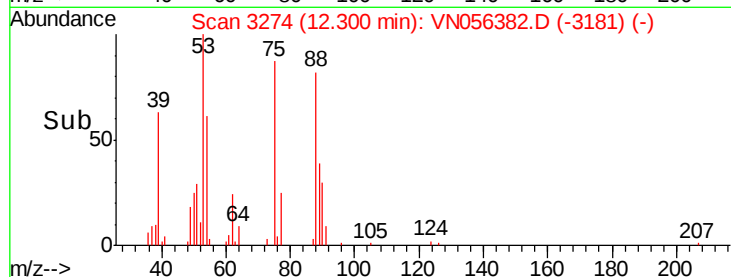
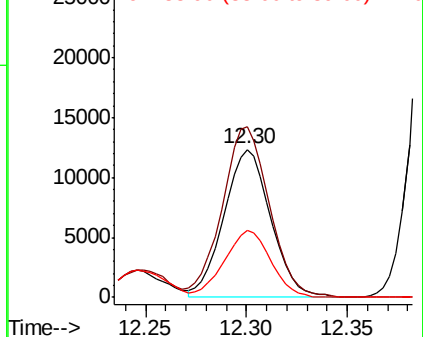
89 44.8 35.0 52.6



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: 19.951 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056382.D

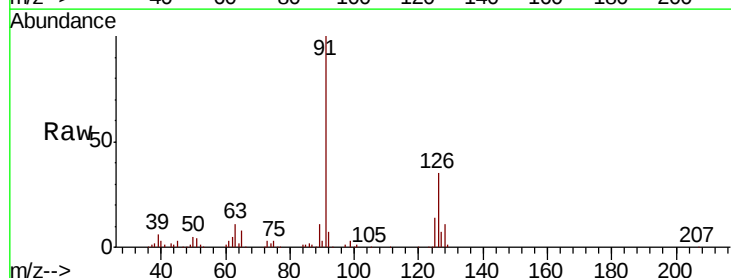
Acq: 19 Jun 2019 13:22

Tgt Ion: 91 Resp: 196440

Ion Ratio Lower Upper

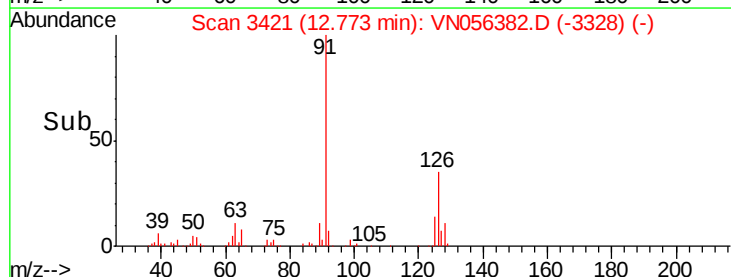
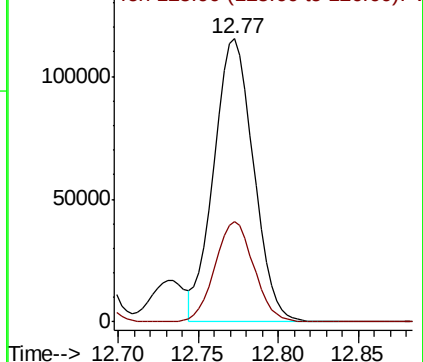
91 100

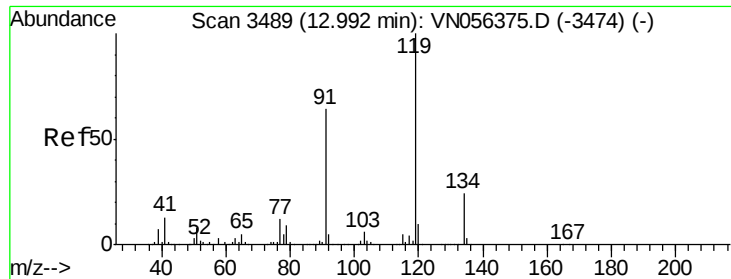
126 34.7 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

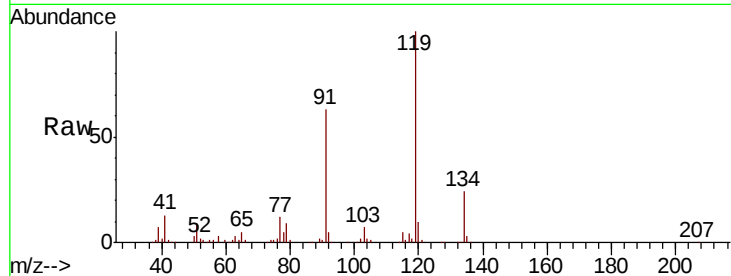




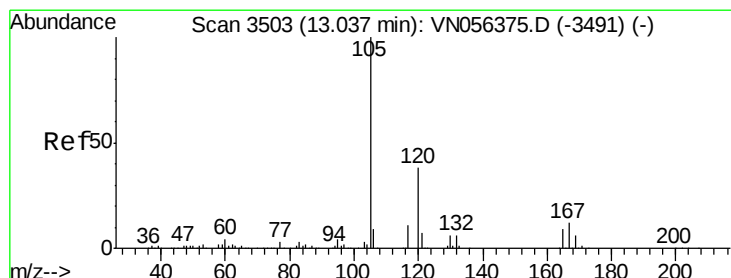
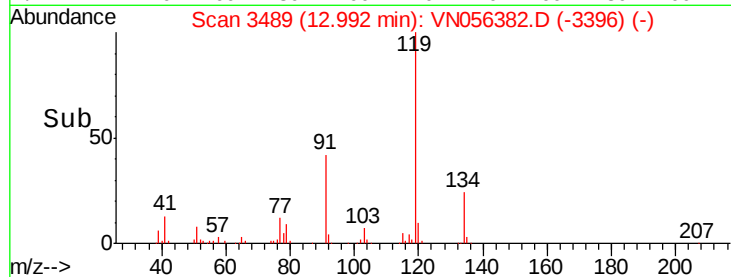
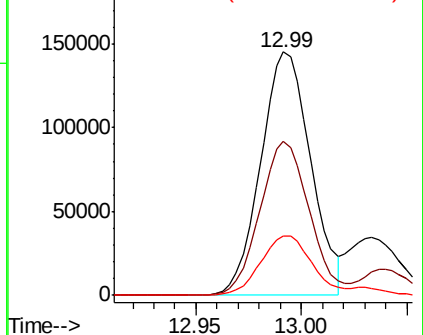
#83
 tert-Butylbenzene
 Concen: 22.508 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion:119 Resp: 239918
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.6 94.7
 134 25.0 13.2 39.5

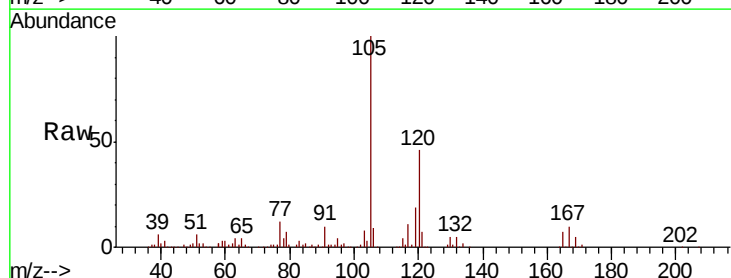


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

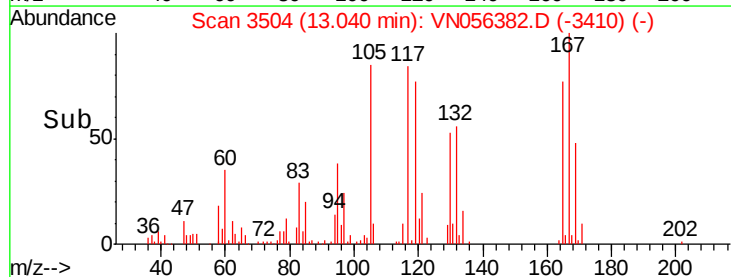
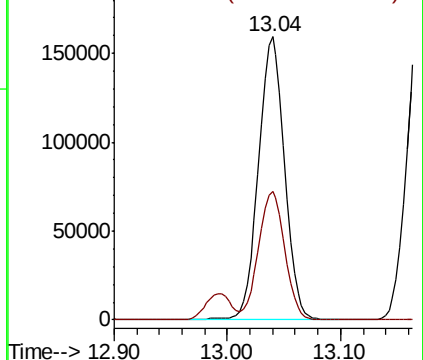


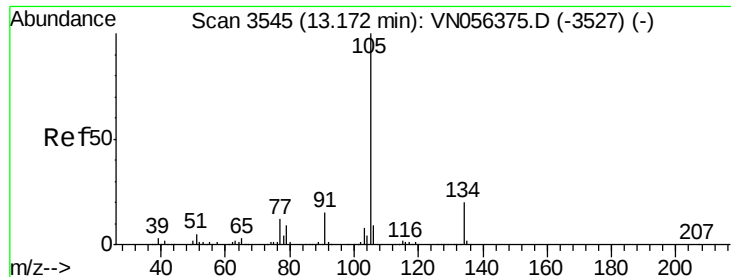
#84
 1,2,4-Trimethylbenzene
 Concen: 20.827 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion:105 Resp: 255316
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.704 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

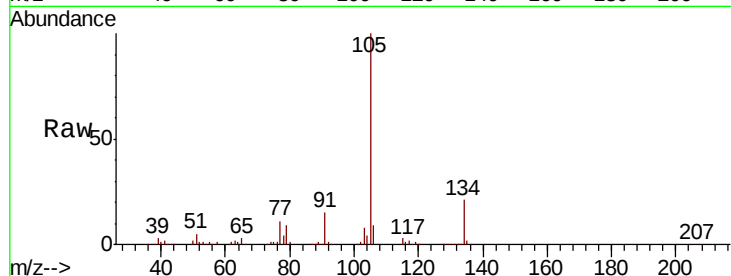
VN0619WBS01

Tot Ion:105 Resp: 303461

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

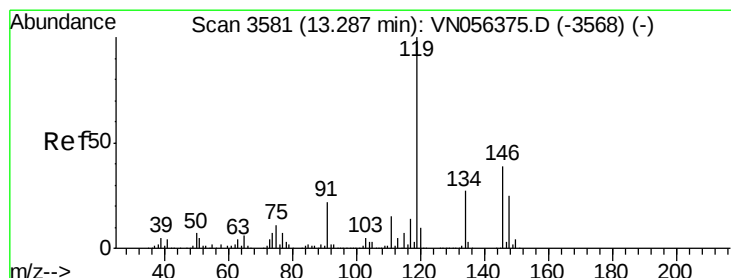
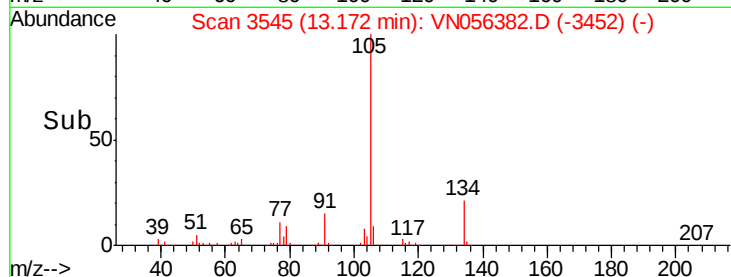
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.561 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

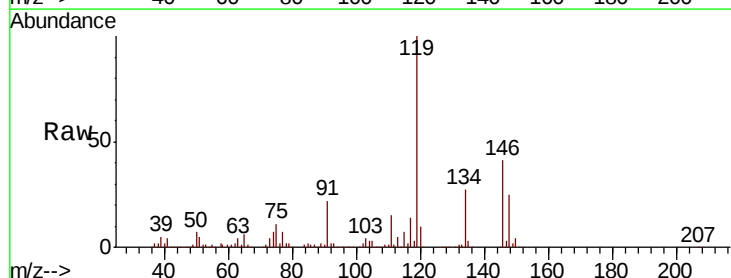
Tgt Ion:119 Resp: 258630

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.4

91 22.3 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

13.29

200000

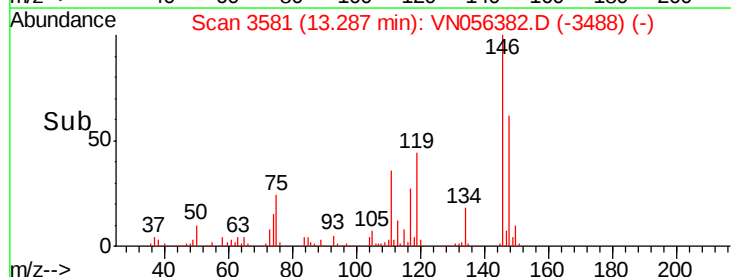
150000

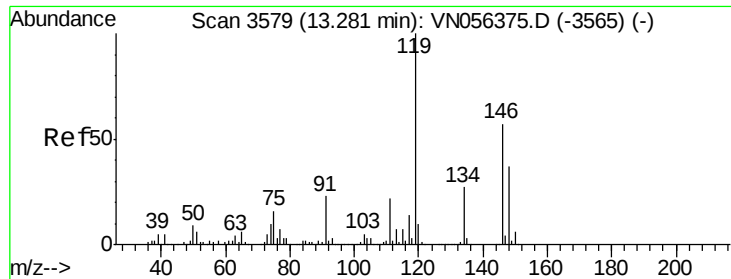
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.930 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

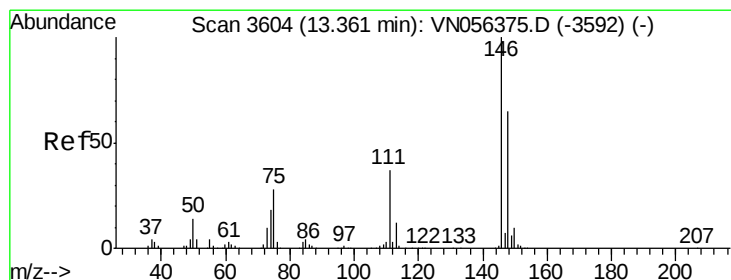
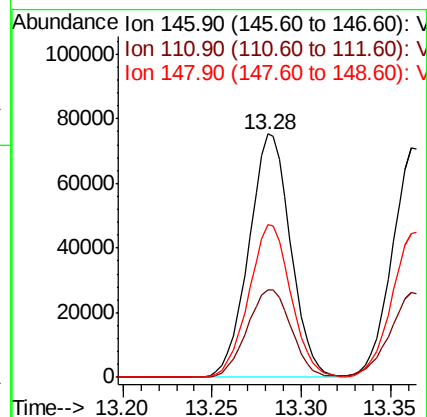
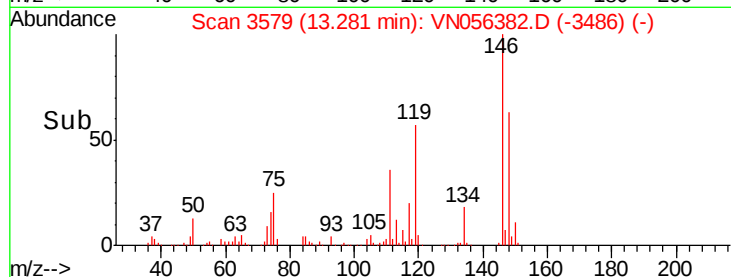
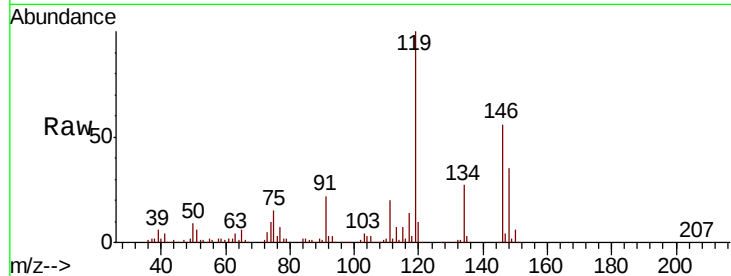
Tot Ion:146 Resp: 122981

Ion Ratio Lower Upper

146 100

111 38.0 18.9 56.9

148 63.4 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 19.547 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

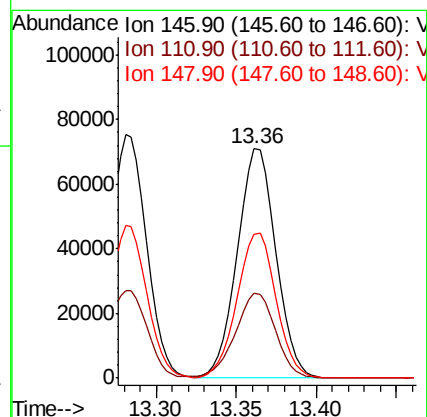
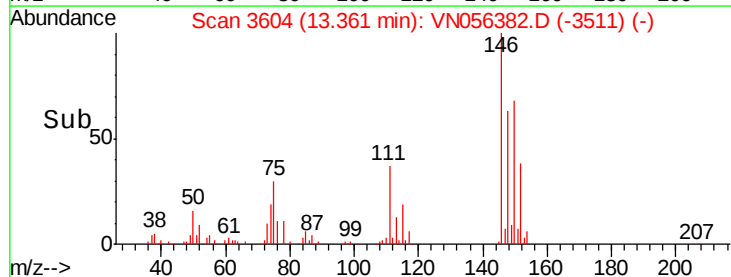
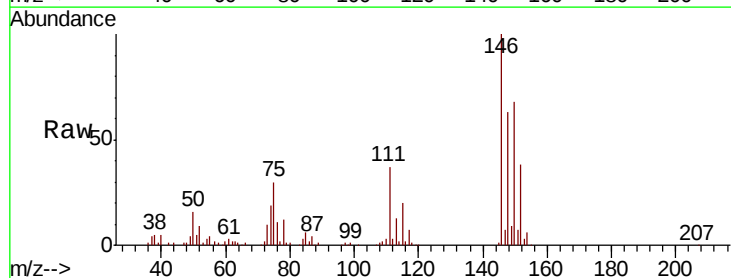
Tgt Ion:146 Resp: 116811

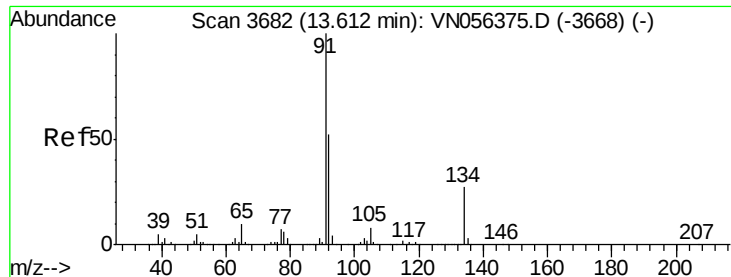
Ion Ratio Lower Upper

146 100

111 38.5 18.4 55.4

148 64.0 32.4 97.0

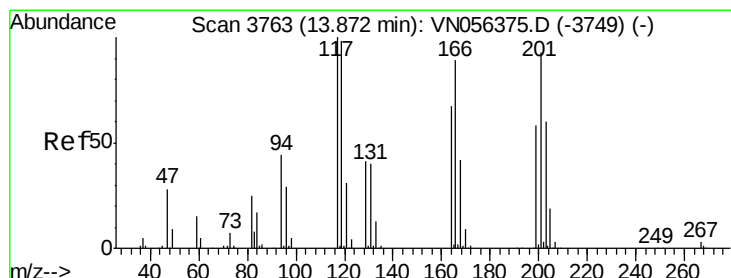
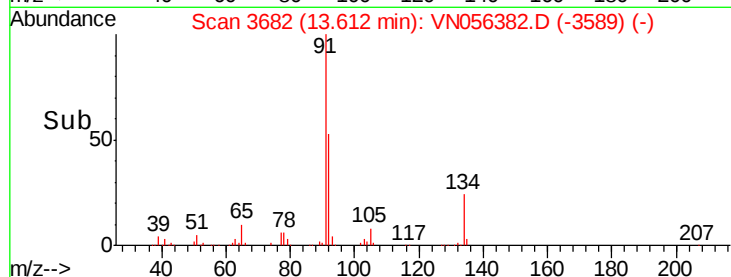
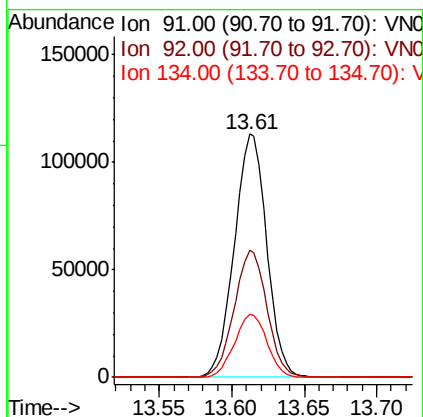
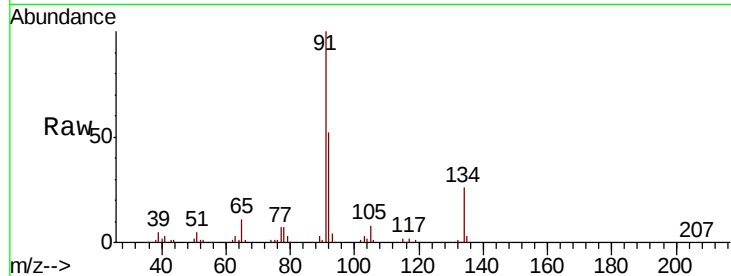




#89
n-Butylbenzene
Concen: 18.410 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

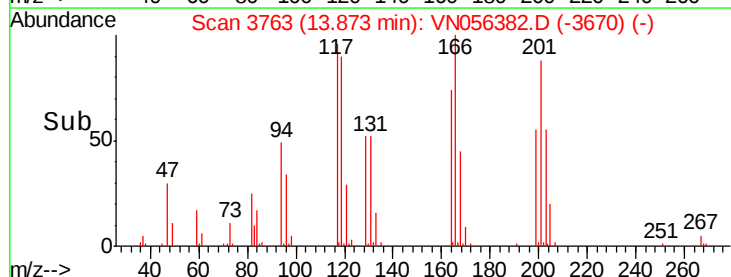
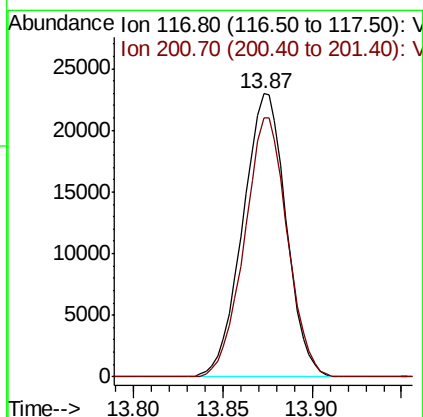
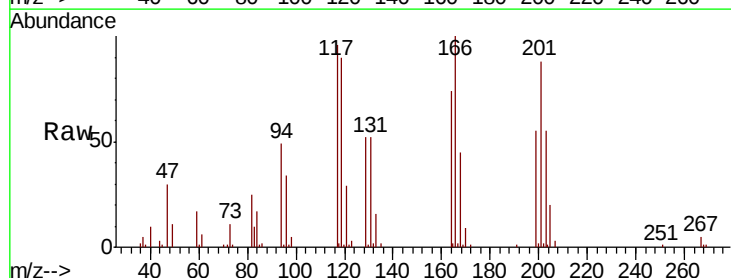
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

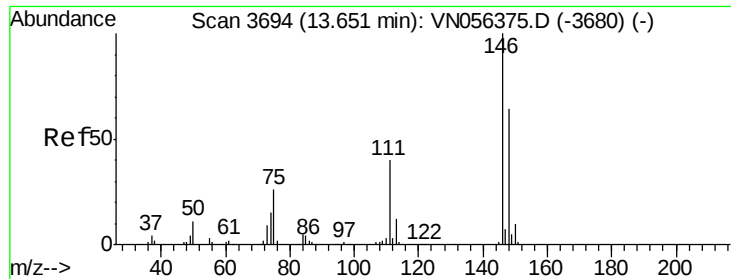
Tot Ion: 91 Resp: 175310
Ion Ratio Lower Upper
91 100
92 52.8 26.2 78.5
134 26.0 13.4 40.2



#90
Hexachloroethane
Concen: 19.908 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056382.D
Acq: 19 Jun 2019 13:22

Tgt Ion: 117 Resp: 39042
Ion Ratio Lower Upper
117 100
201 90.5 45.9 137.6





#91

1,2-Dichlorobenzene

Concen: 20.467 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

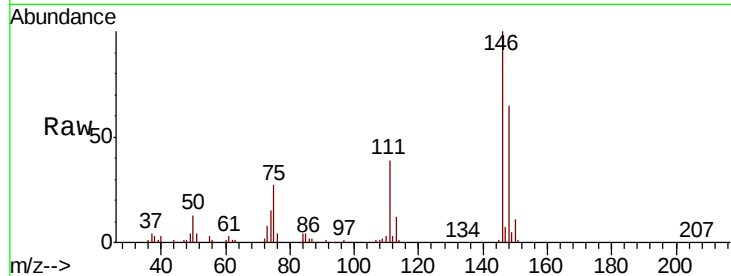
Tot Ion:146 Resp: 125301

Ion Ratio Lower Upper

146 100

111 39.7 19.3 57.9

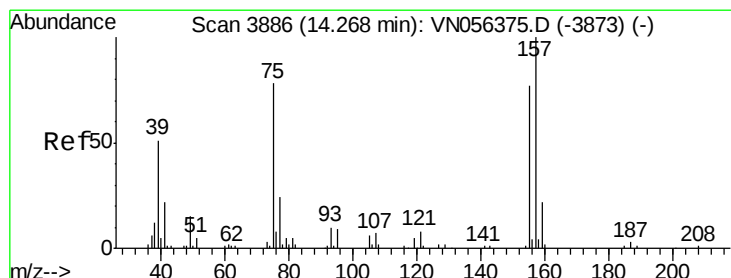
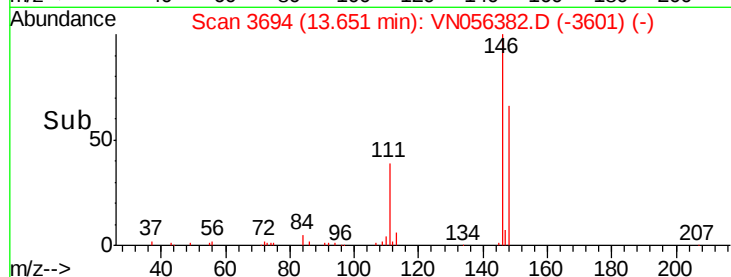
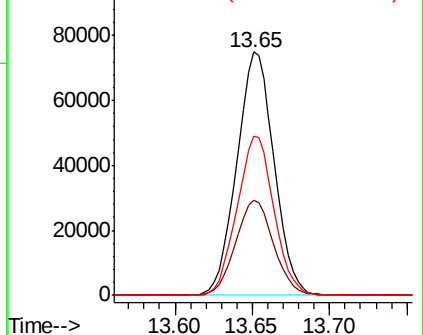
148 64.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.391 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

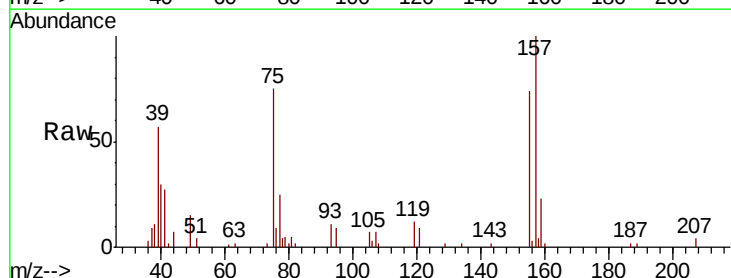
Tgt Ion: 75 Resp: 13739

Ion Ratio Lower Upper

75 100

155 99.5 48.9 146.8

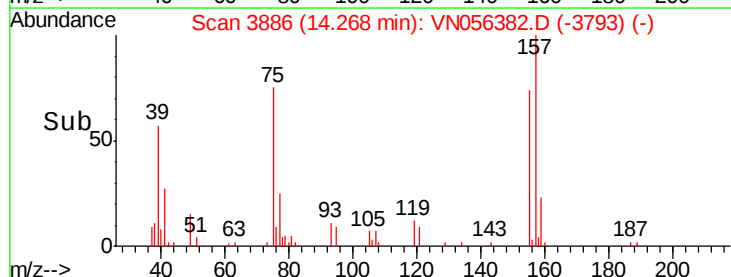
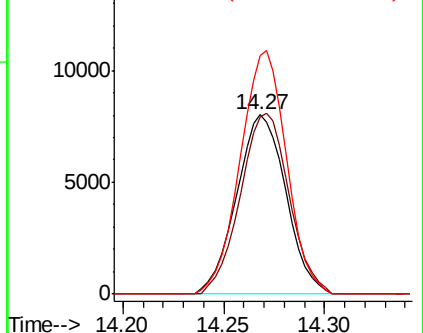
157 127.5 62.9 188.8

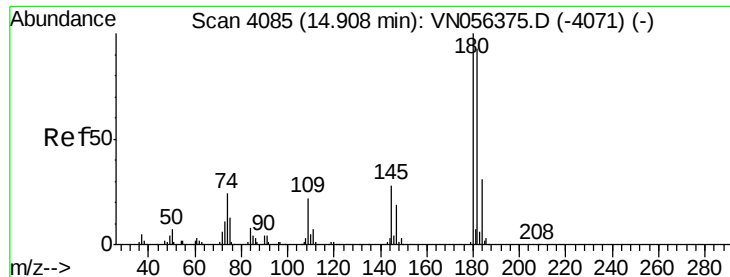


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

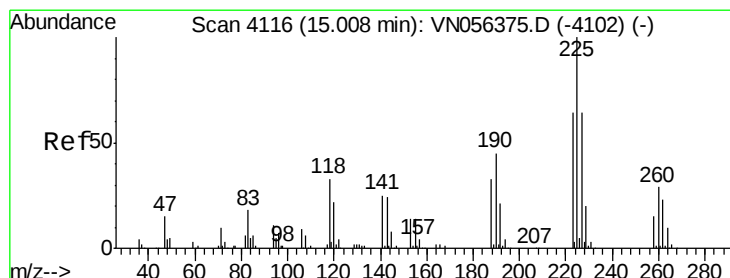
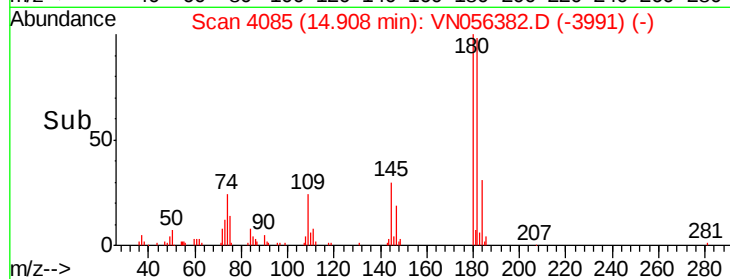
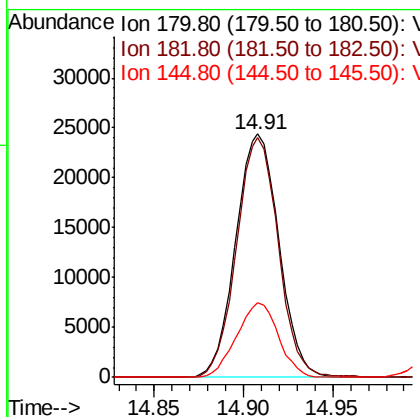
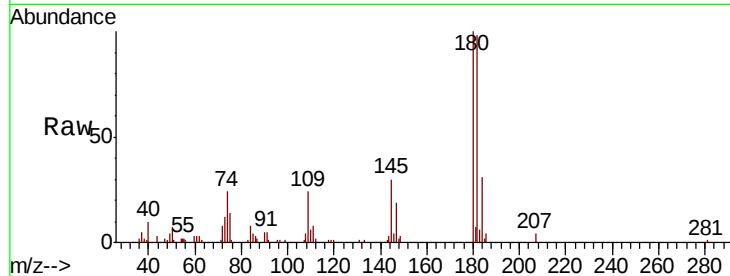




#93
 1,2,4-Trichlorobenzene
 Concen: 17.033 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

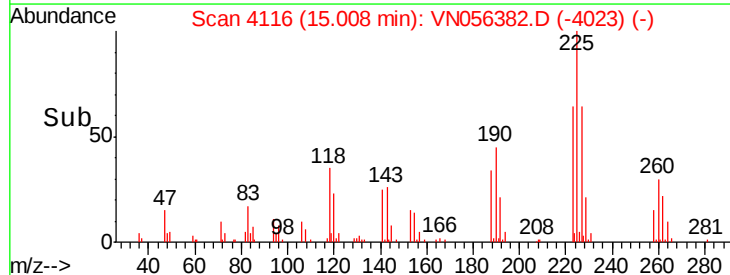
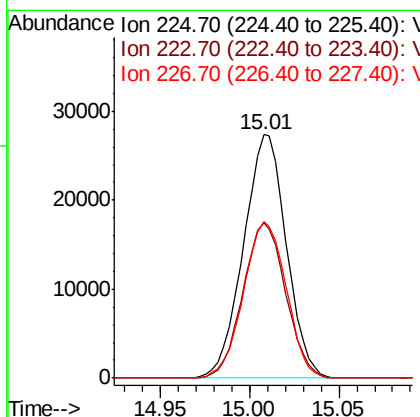
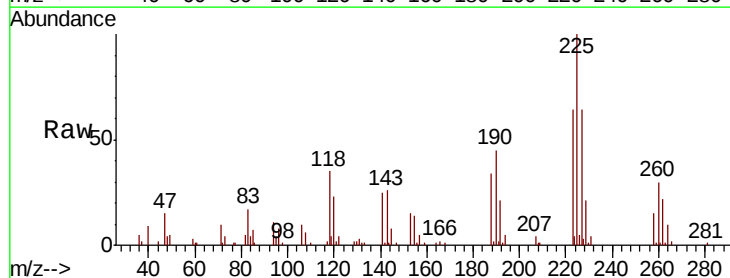
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

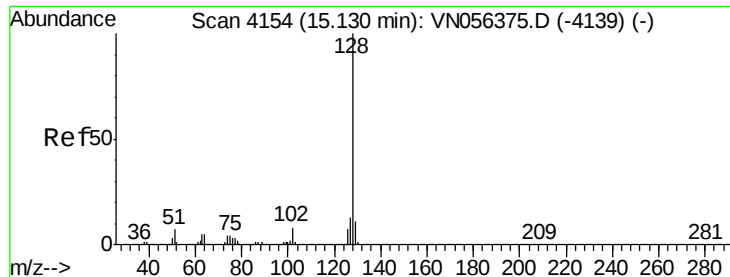
Tot Ion:180 Resp: 41008
 Ion Ratio Lower Upper
 180 100
 182 95.5 46.9 140.6
 145 29.6 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 21.053 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056382.D
 Acq: 19 Jun 2019 13:22

Tgt Ion:225 Resp: 45934
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.3
 227 63.9 32.1 96.3





#95

Naphthalene

Concen: 17.953 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

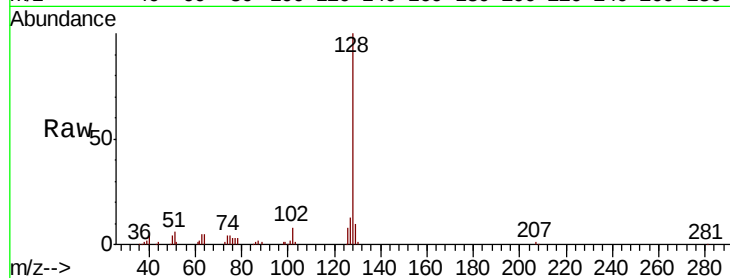
Tot Ion:128 Resp: 118297

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

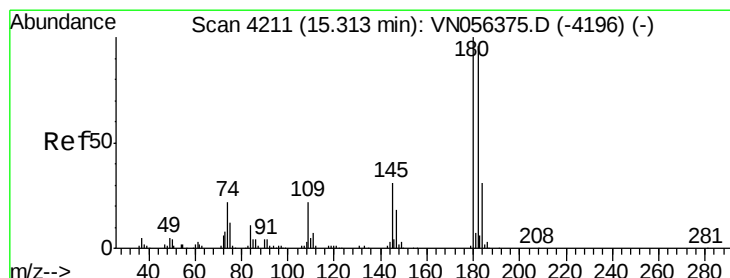
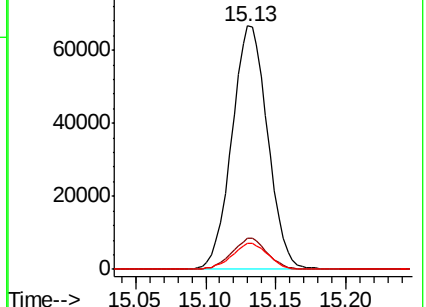
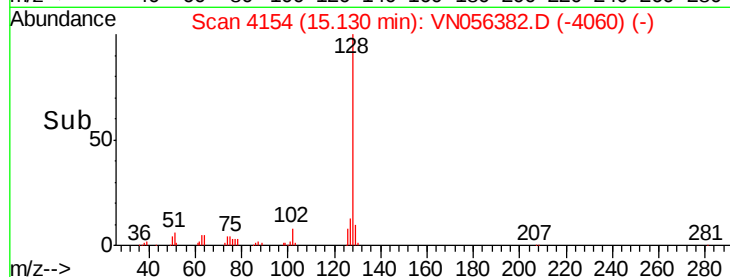
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.573 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056382.D

Acq: 19 Jun 2019 13:22

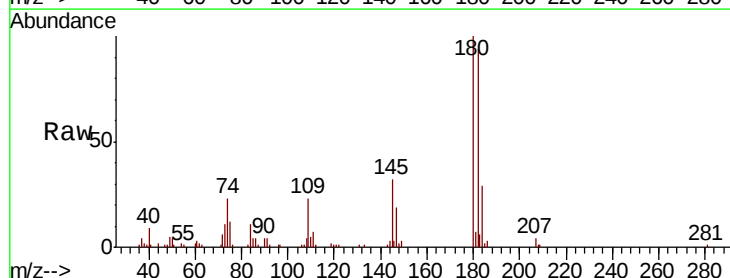
Tgt Ion:180 Resp: 51135

Ion Ratio Lower Upper

180 100

182 93.0 48.3 144.8

145 30.1 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

