

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056458.D
 Acq On : 24 Jun 2019 16:09
 Operator : JC/SP
 Sample : VN0624MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Quant Time: Jun 25 01:21:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	383796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	606015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	526379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	212035	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	7.59	113	184545	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.09	98	701111	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.40	95	235764	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	60850	18.724	ug/l	99
3) Chloromethane	2.06	50	79429	17.950	ug/l	98
4) Vinyl Chloride	2.18	62	77243	18.074	ug/l	99
5) Bromomethane	2.53	94	47988	19.153	ug/l	95
6) Chloroethane	2.68	64	46466	18.774	ug/l	100
7) Trichlorofluoromethane	3.00	101	104589	18.918	ug/l	98
8) Diethyl Ether	3.41	74	45251	19.340	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66587	18.887	ug/l	99
10) Methyl Iodide	3.95	142	90330	18.957	ug/l	100
11) Tert butyl alcohol	4.79	59	64901	90.590	ug/l	100
12) 1,1-Dichloroethene	3.73	96	65274	19.253	ug/l	93
13) Acrolein	3.61	56	46229	76.562	ug/l	99
14) Allyl chloride	4.32	41	105284	18.655	ug/l	98
15) Acrylonitrile	4.99	53	192106	96.926	ug/l	99
16) Acetone	3.82	43	181384	85.111	ug/l	96
17) Carbon Disulfide	4.05	76	123330	15.993	ug/l	99
18) Methyl Acetate	4.33	43	88588	20.715	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	226223	20.165	ug/l	91
20) Methylene Chloride	4.55	84	78717	19.042	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	69599	19.040	ug/l	95
22) Diisopropyl ether	5.95	45	235700	19.886	ug/l	96
23) Vinyl Acetate	5.90	43	952527	101.890	ug/l	99
24) 1,1-Dichloroethane	5.85	63	134291	19.738	ug/l	100
25) 2-Butanone	6.84	43	265851	94.254	ug/l	98
26) 2,2-Dichloropropane	6.83	77	91875	19.415	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	85268	19.938	ug/l	98
28) Bromochloromethane	7.19	49	62550	18.587	ug/l	95
29) Tetrahydrofuran	7.21	42	169856	98.544	ug/l	99
30) Chloroform	7.37	83	130828	19.487	ug/l	100
31) Cyclohexane	7.65	56	124956	19.024	ug/l #	95
32) 1,1,1-Trichloroethane	7.57	97	104210	19.582	ug/l	99
36) 1,1-Dichloropropene	7.79	75	96364	18.066	ug/l	98
37) Ethyl Acetate	6.93	43	103087	19.666	ug/l	99
38) Carbon Tetrachloride	7.77	117	86357	18.514	ug/l	96

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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	125139	19.013	ug/l	99
40) Benzene	8.04	78	305007	18.590	ug/l	99
41) Methacrylonitrile	7.17	41	45542	19.675	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	99606	18.395	ug/l	99
43) Isopropyl Acetate	8.17	43	165182	20.436	ug/l #	89
44) Trichloroethene	8.84	130	83501	18.893	ug/l	99
45) 1,2-Dichloropropane	9.12	63	83170	18.954	ug/l	100
46) Dibromomethane	9.21	93	53439	19.466	ug/l	98
47) Bromodichloromethane	9.40	83	94510	19.411	ug/l	98
48) Methyl methacrylate	9.20	41	75600	18.664	ug/l	99
49) 1,4-Dioxane	9.20	88	28371	337.519	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	501191	96.068	ug/l	99
52) Toluene	10.16	92	189691	18.910	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	98179	19.203	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	116117	19.804	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	79837	19.800	ug/l	99
56) Ethyl methacrylate	10.43	69	115903	19.669	ug/l	98
57) 1,3-Dichloropropane	10.71	76	131038	19.345	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	173078	81.759	ug/l	100
59) 2-Hexanone	10.75	43	354290	92.399	ug/l	99
60) Dibromochloromethane	10.90	129	70073	18.484	ug/l	99
61) 1,2-Dibromoethane	11.00	107	81007	19.671	ug/l	99
64) Tetrachloroethene	10.63	164	82302	19.744	ug/l	98
65) Chlorobenzene	11.43	112	201555	19.056	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	71165	19.908	ug/l	99
67) Ethyl Benzene	11.51	91	362986	19.545	ug/l	100
68) m/p-Xylenes	11.62	106	275735	40.513	ug/l	100
69) o-Xylene	11.95	106	133330	19.801	ug/l	100
70) Styrene	11.96	104	212960	19.787	ug/l	99
71) Bromoform	12.13	173	45923	18.066	ug/l #	99
73) Isopropylbenzene	12.25	105	355542	21.832	ug/l	100
74) N-amyl acetate	12.07	43	128431	19.903	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	108835	21.321	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	124028	29.501	ug/l #	100
77) Bromobenzene	12.53	156	130471	28.779	ug/l	64
78) n-propylbenzene	12.59	91	376876	20.298	ug/l	100
79) 2-Chlorotoluene	12.67	91	232353	21.373	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	299610	22.225	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22873	19.337	ug/l	98
82) 4-Chlorotoluene	12.77	91	214425	19.559	ug/l	99
83) tert-Butylbenzene	12.99	119	252842	21.147	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	323939	23.733	ug/l	100
85) sec-Butylbenzene	13.17	105	324949	19.911	ug/l	99
86) p-Isopropyltoluene	13.29	119	277496	19.813	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	133946	19.496	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	127160	19.111	ug/l	98
89) n-Butylbenzene	13.61	91	197129	18.592	ug/l	98
90) Hexachloroethane	13.87	117	42947	19.669	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	135087	19.818	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14153	18.865	ug/l	98

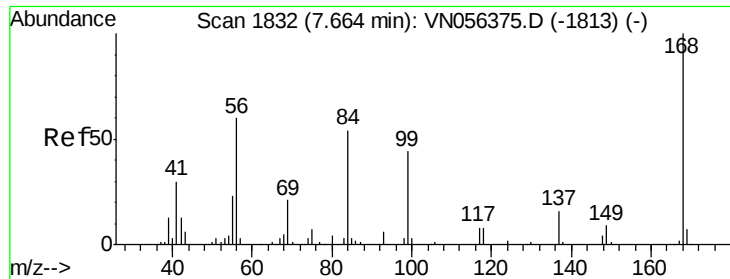
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062419\
Data File : VN056458.D
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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48059	17.633	ug/l	96
94) Hexachlorobutadiene	15.01	225	49798	20.447	ug/l	100
95) Naphthalene	15.13	128	168307	21.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57942	18.822	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

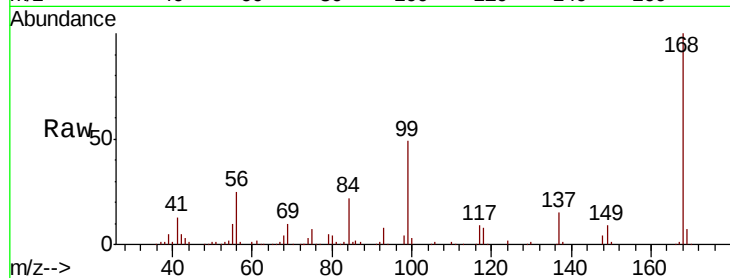
VN0624MBSD01

Tot Ion:168 Resp: 383796

Ion Ratio Lower Upper

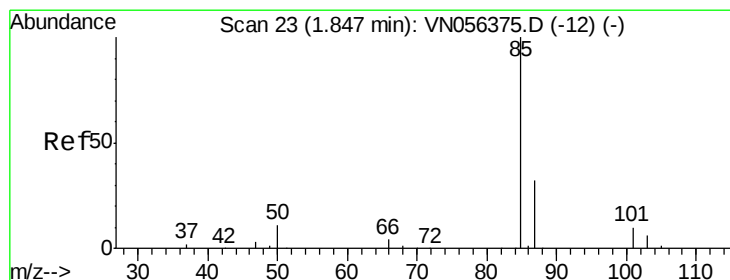
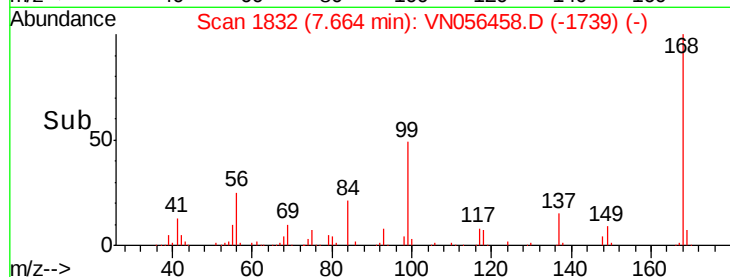
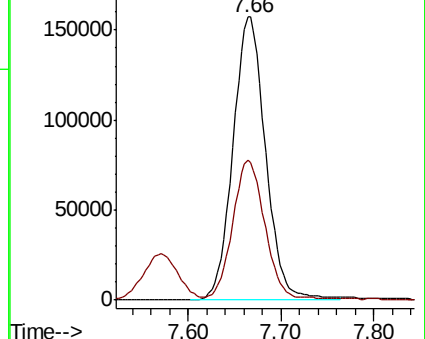
168 100

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



#2

Dichlorodifluoromethane

Concen: 18.724 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056458.D

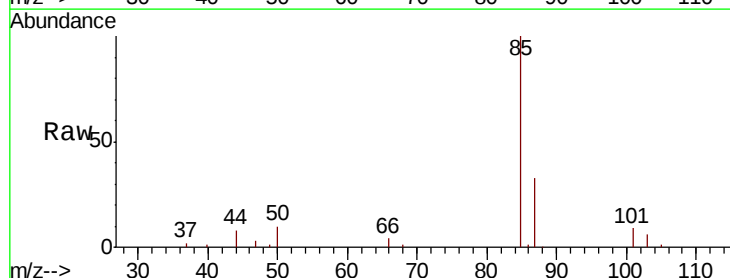
Acq: 24 Jun 2019 16:09

Tgt Ion: 85 Resp: 60850

Ion Ratio Lower Upper

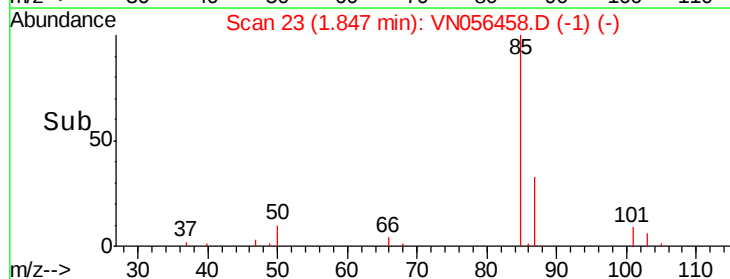
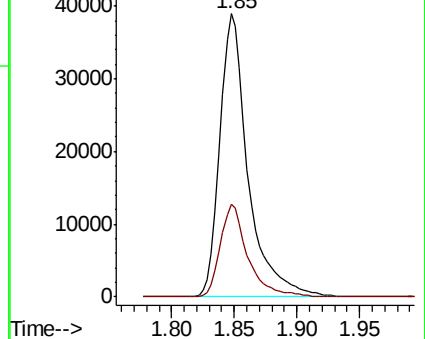
85 100

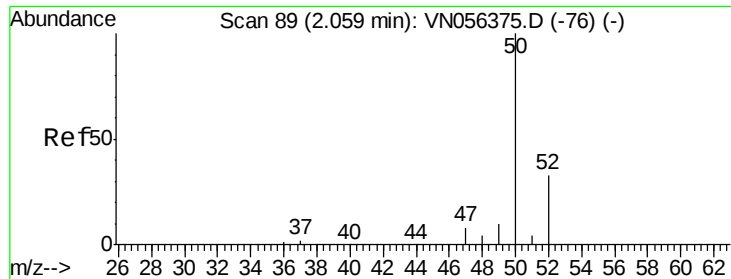
87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.950 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

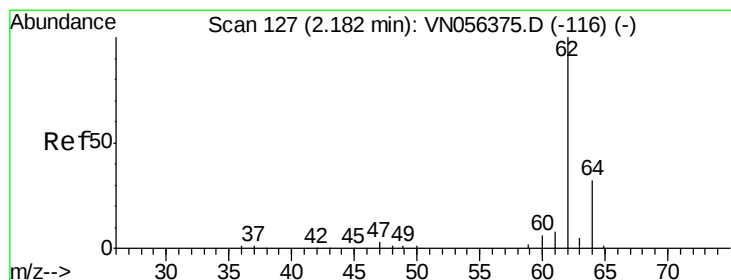
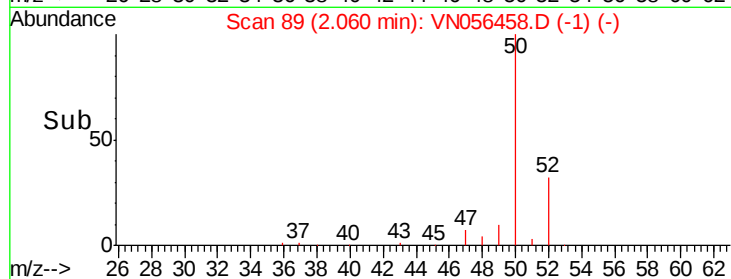
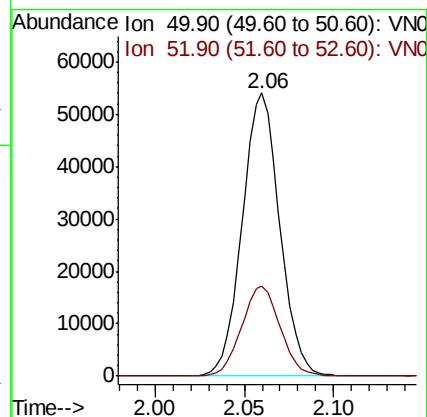
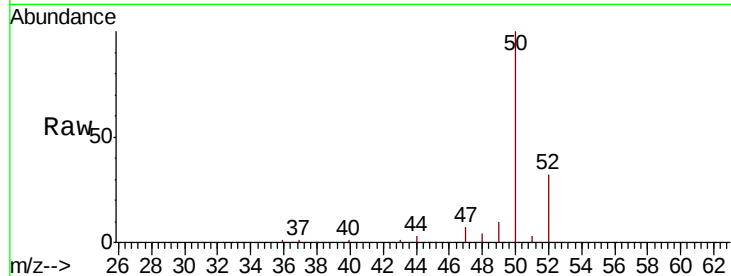
VN0624MBSD01

Tot Ion: 50 Resp: 79429

Ion Ratio Lower Upper

50 100

52 32.0 26.5 39.7



#4

Vinyl Chloride

Concen: 18.074 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056458.D

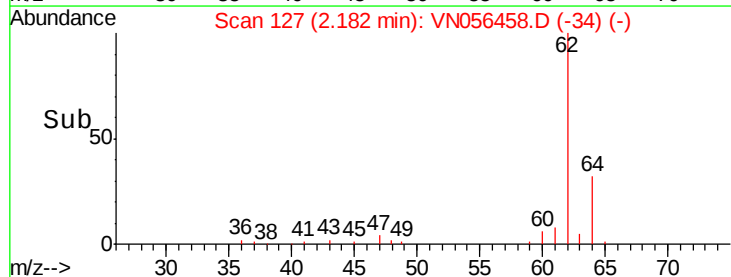
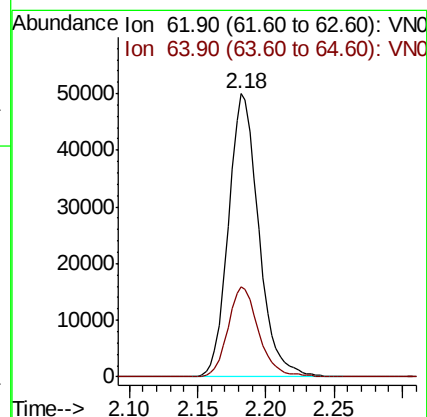
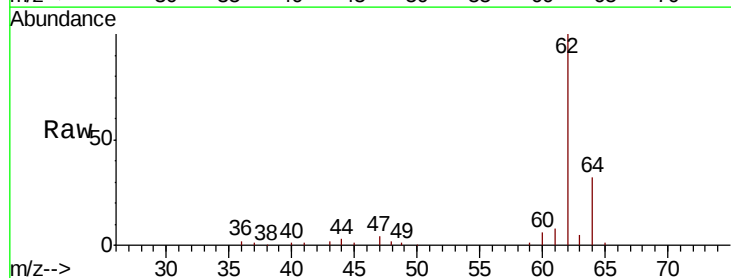
Acq: 24 Jun 2019 16:09

Tgt Ion: 62 Resp: 77243

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5

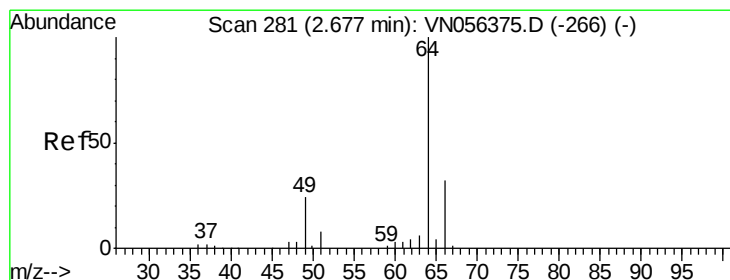
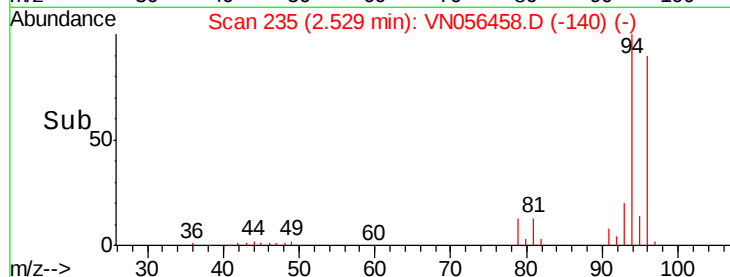
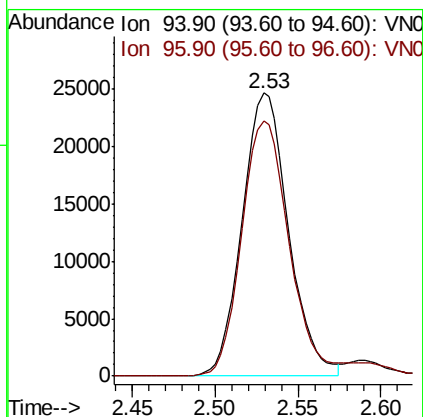
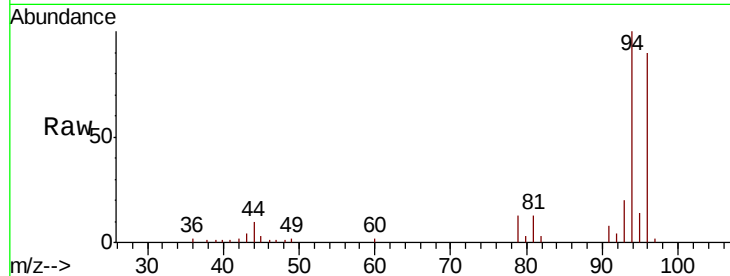




#5
Bromomethane
Concen: 19.153 ug/l
RT: 2.53 min Scan# 235
Delta R.T. 0.01 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

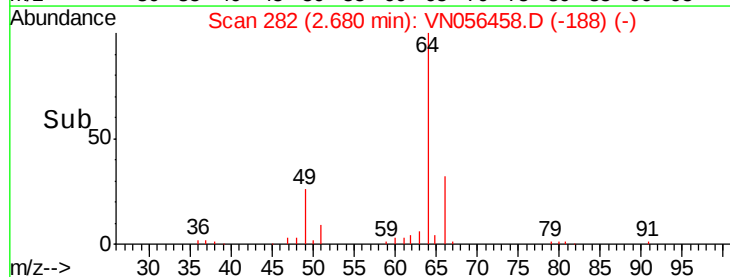
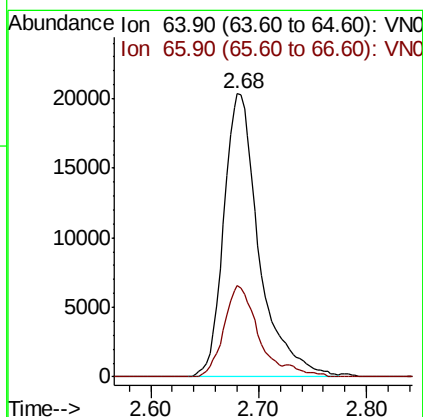
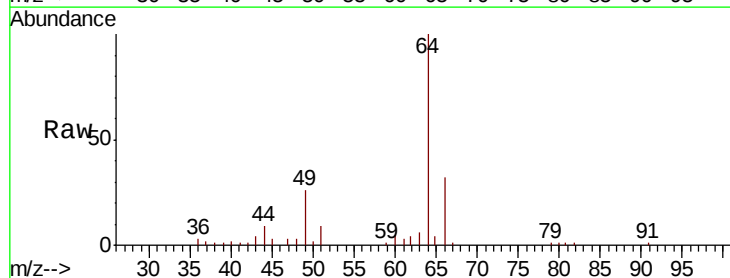
Instrument :
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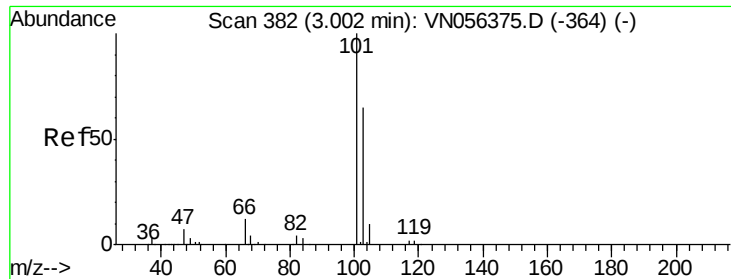
Tot Ion: 94 Resp: 47988
Ion Ratio Lower Upper
94 100
96 90.3 76.0 114.0



#6
Chloroethane
Concen: 18.774 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 64 Resp: 46466
Ion Ratio Lower Upper
64 100
66 32.5 25.8 38.8



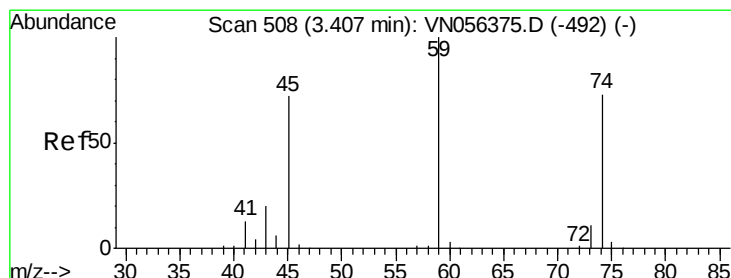
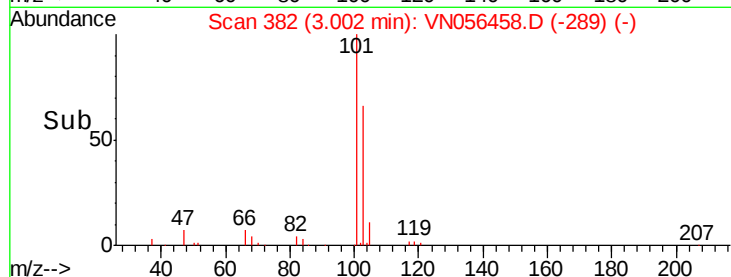
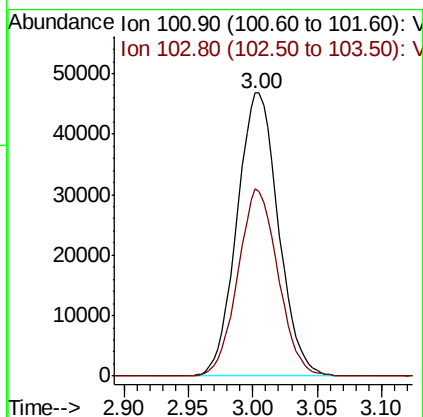
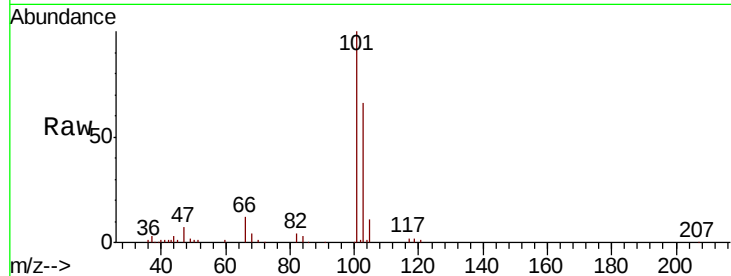


#7

Trichlorofluoromethane
 Concen: 18.918 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

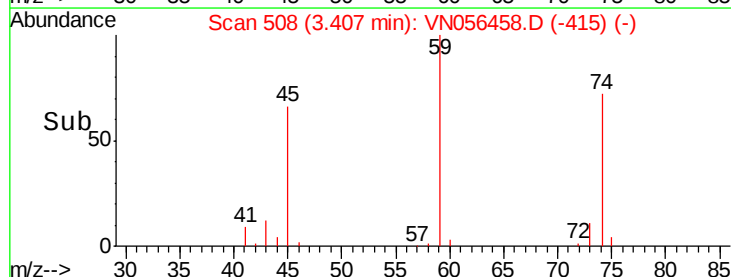
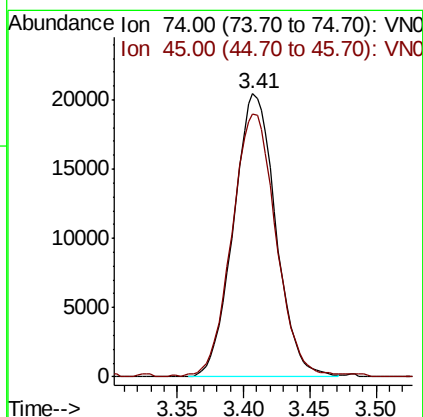
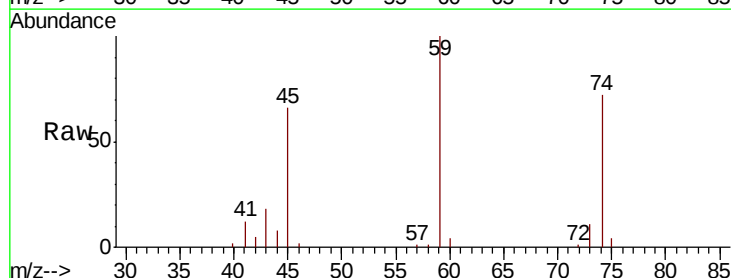
Tot Ion:101 Resp: 104589
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.7 77.5

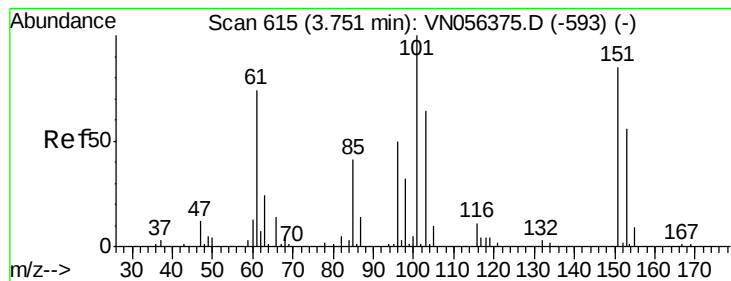


#8

Diethyl Ether
 Concen: 19.340 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion: 74 Resp: 45251
 Ion Ratio Lower Upper
 74 100
 45 97.1 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.887 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

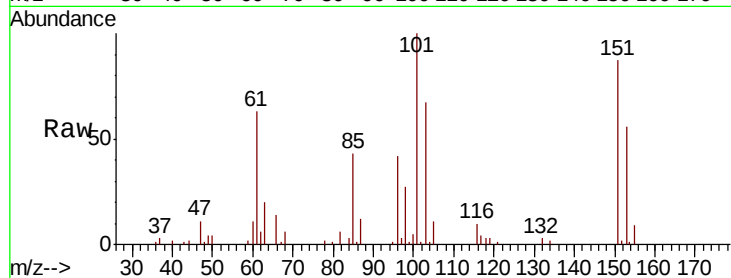
Tot Ion:101 Resp: 66587

Ion Ratio Lower Upper

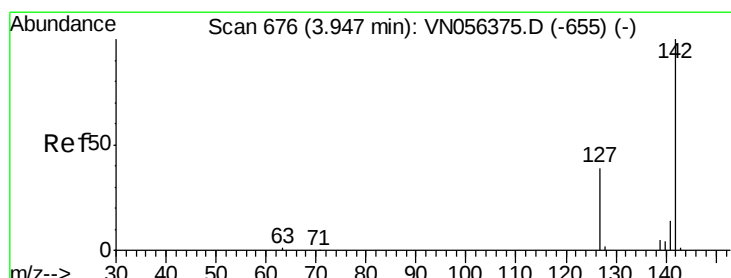
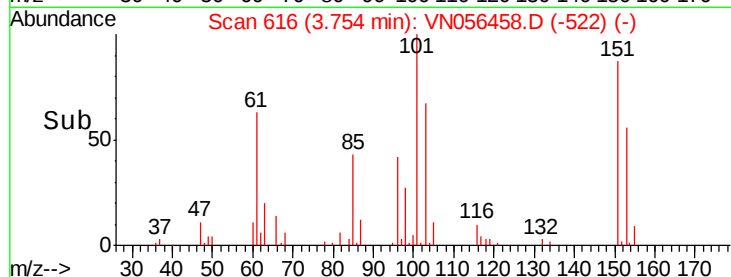
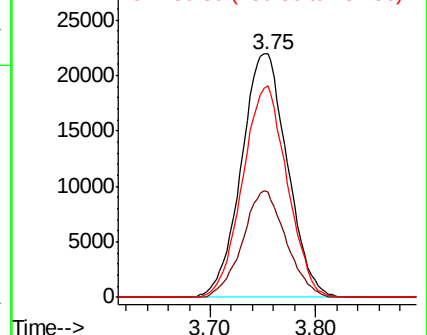
101 100

85 41.4 32.7 49.1

151 84.0 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: 18.957 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

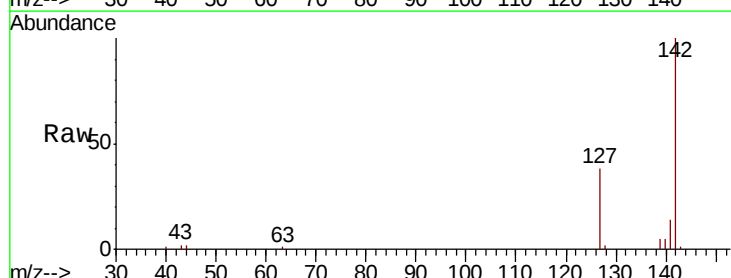
Tgt Ion:142 Resp: 90330

Ion Ratio Lower Upper

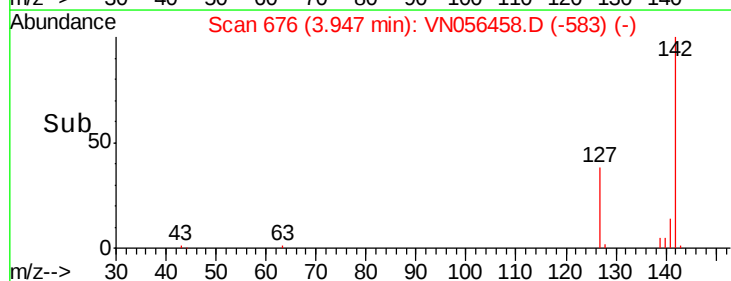
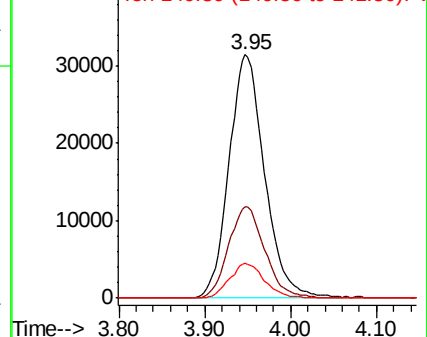
142 100

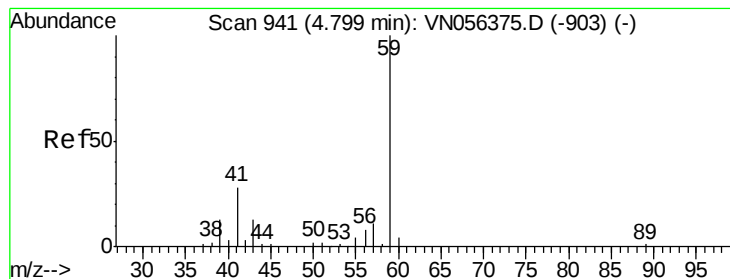
127 38.2 30.6 46.0

141 14.0 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



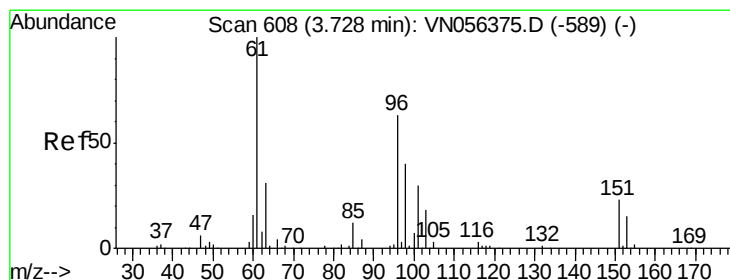
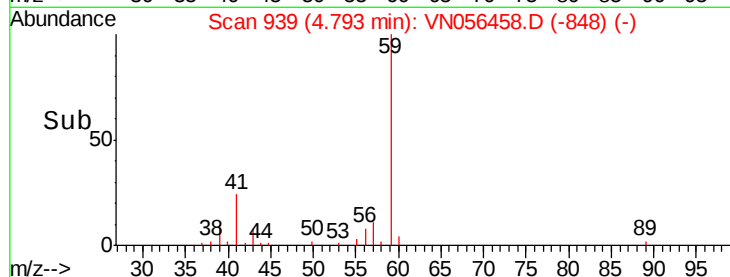
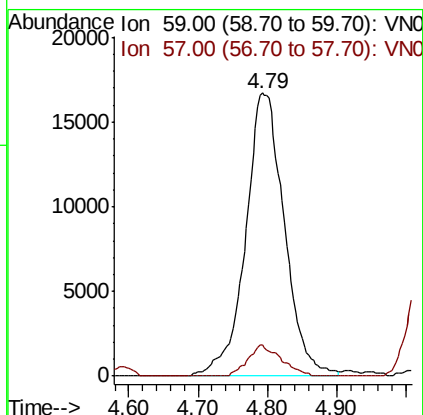
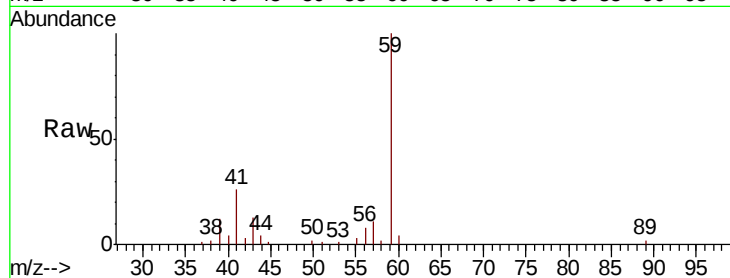


#11

Tert butyl alcohol
 Concen: 90.590 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

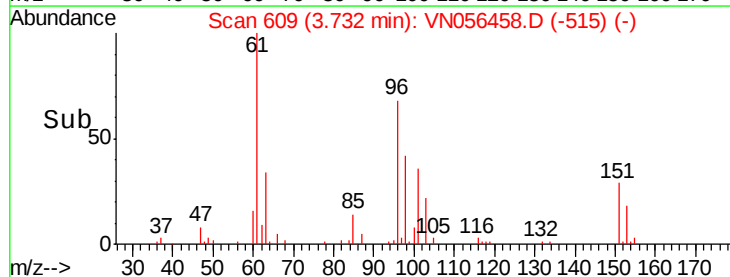
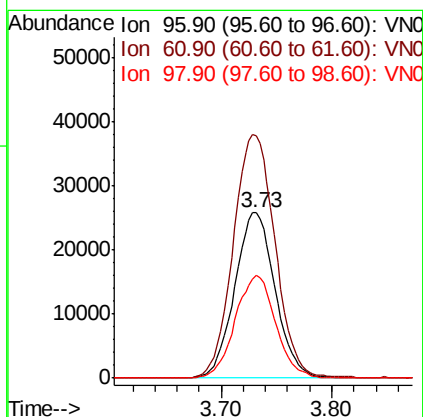
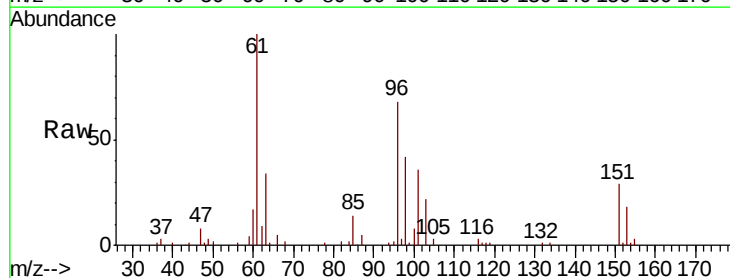
Tot Ion: 59 Resp: 64901
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.6 11.4

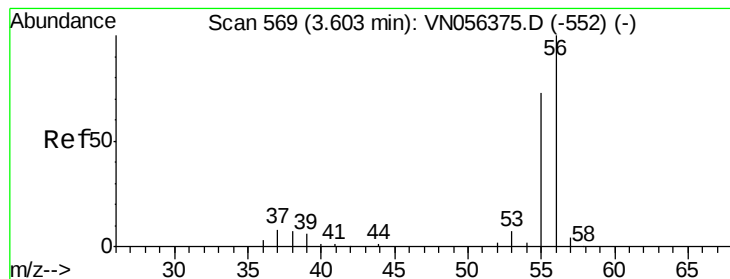


#12

1,1-Dichloroethene
 Concen: 19.253 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion: 96 Resp: 65274
 Ion Ratio Lower Upper
 96 100
 61 146.8 126.6 190.0
 98 62.3 51.1 76.7





#13

Acrolein

Concen: 76.562 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

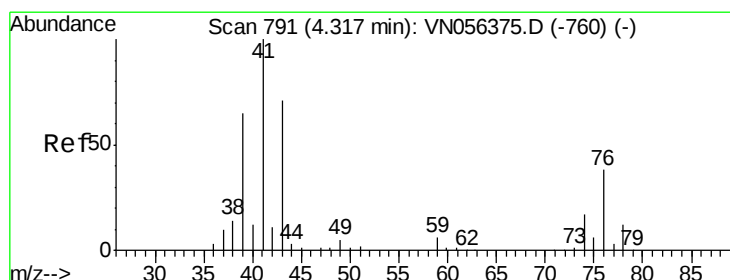
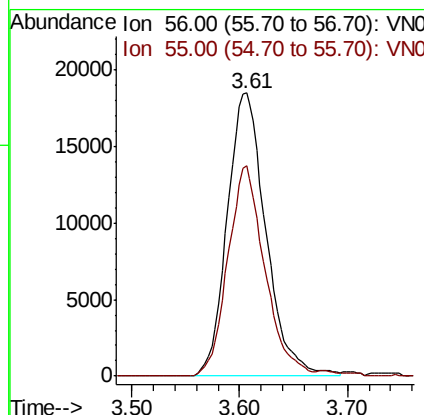
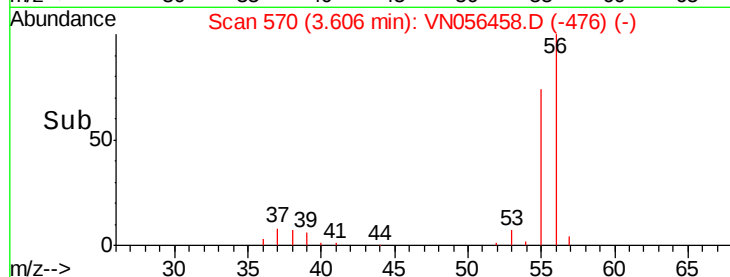
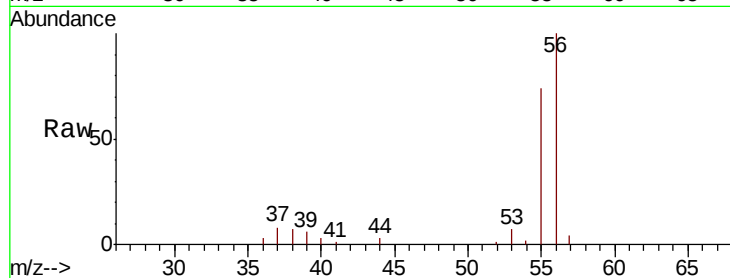
VN0624MBSD01

Tot Ion: 56 Resp: 46229

Ion Ratio Lower Upper

56 100

55 71.0 57.1 85.7



#14

Allyl chloride

Concen: 18.655 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

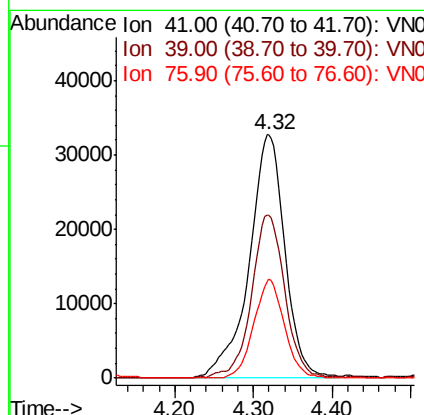
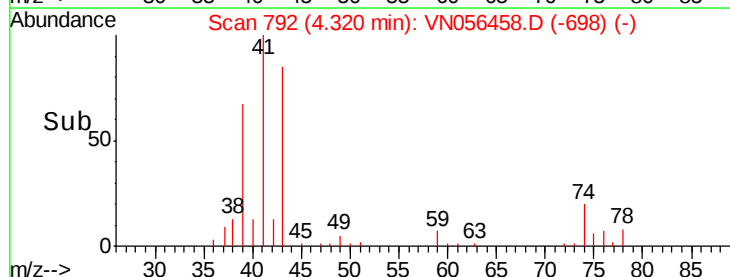
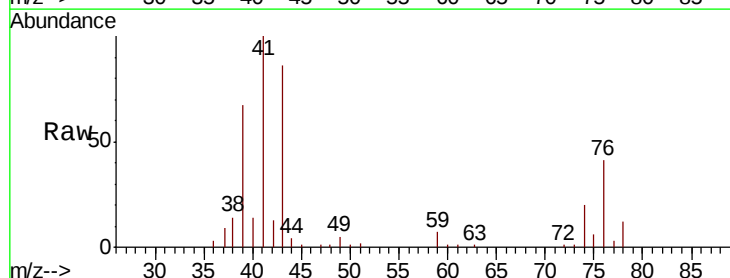
Tgt Ion: 41 Resp: 105284

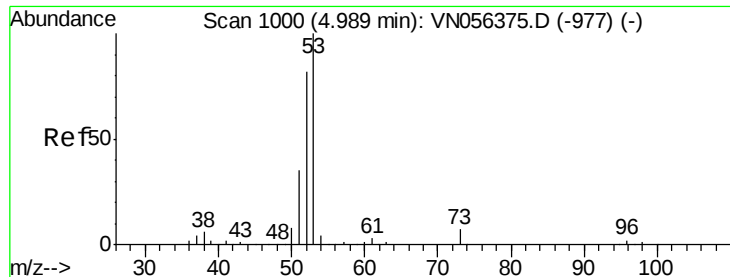
Ion Ratio Lower Upper

41 100

39 62.5 48.6 73.0

76 34.8 26.6 40.0





#15

Acrylonitrile

Concen: 96.926 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleID :

VN0624MBSD01

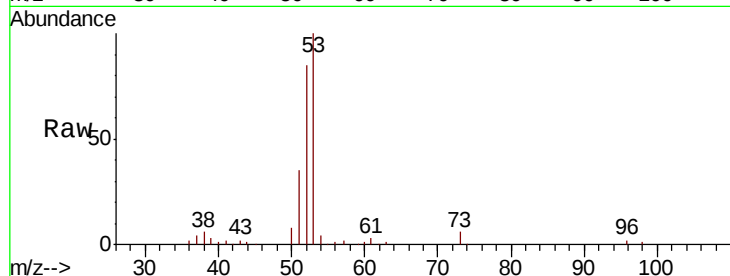
Tot Ion: 53 Resp: 192106

Ion Ratio Lower Upper

53 100

52 83.1 65.9 98.9

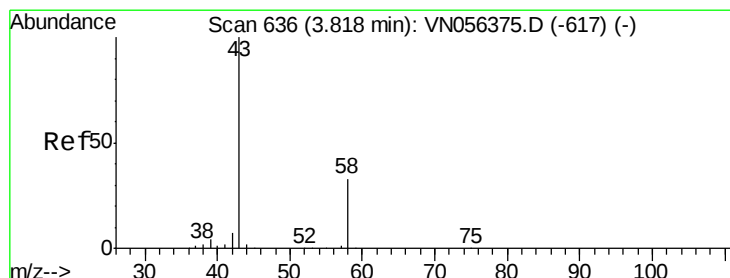
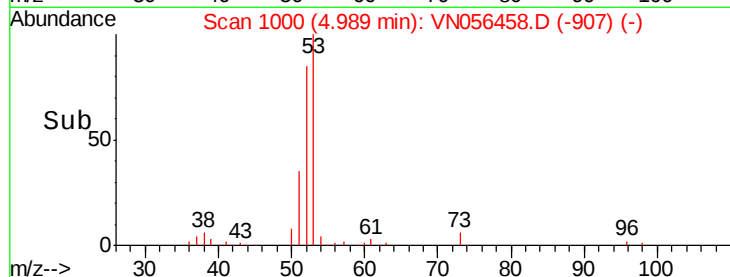
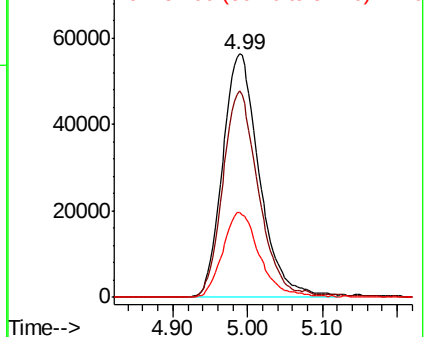
51 35.1 28.3 42.5



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: 85.111 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056458.D

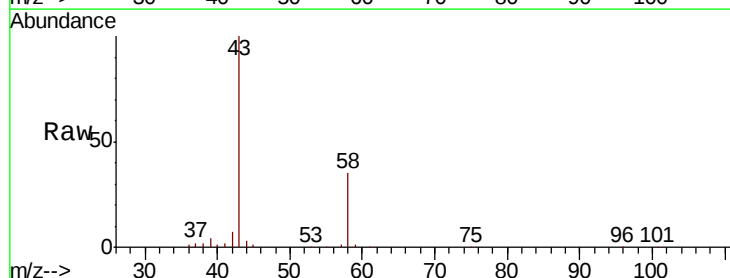
Acq: 24 Jun 2019 16:09

Tgt Ion: 43 Resp: 181384

Ion Ratio Lower Upper

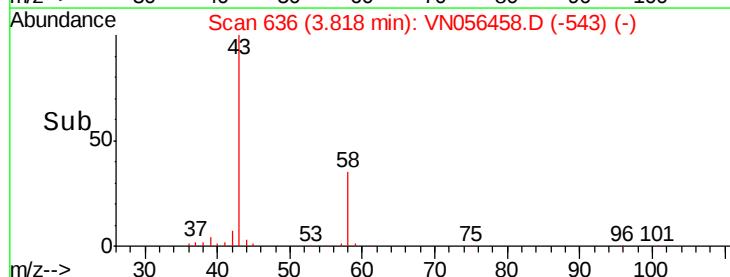
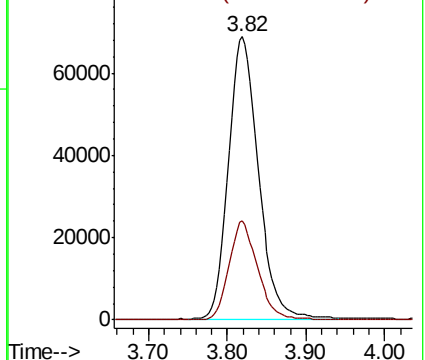
43 100

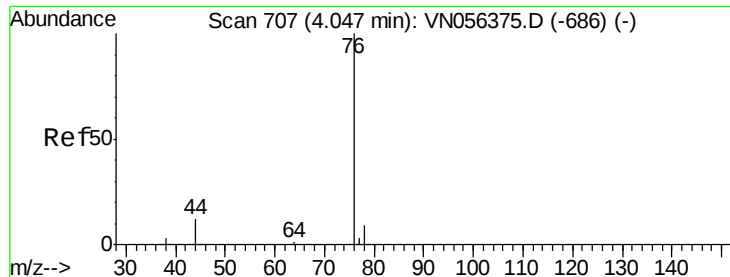
58 35.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 15.993 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

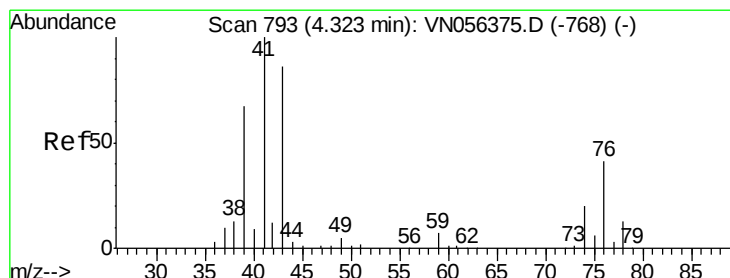
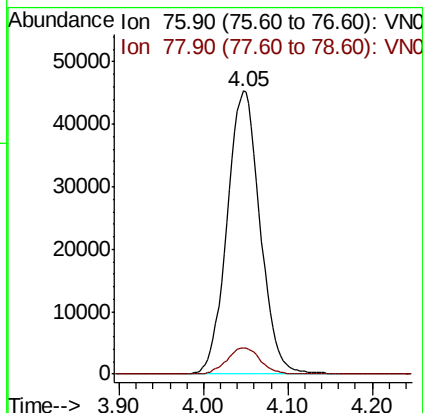
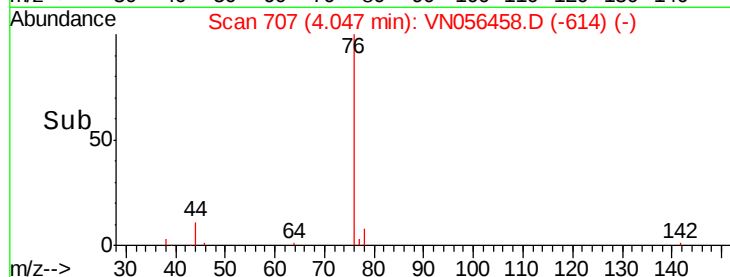
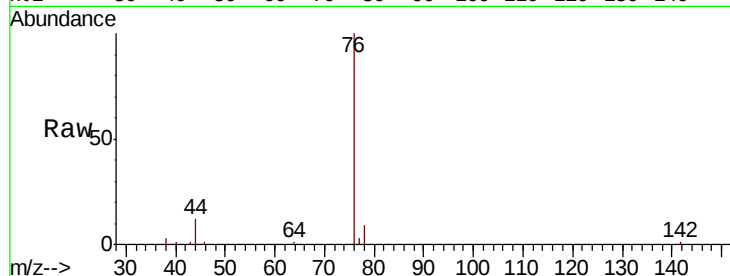
VN0624MBSD01

Tot Ion: 76 Resp: 123330

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



#18

Methyl Acetate

Concen: 20.715 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056458.D

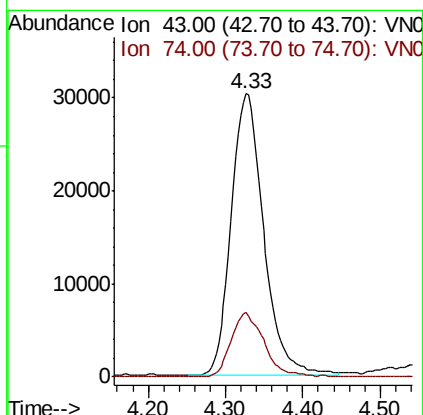
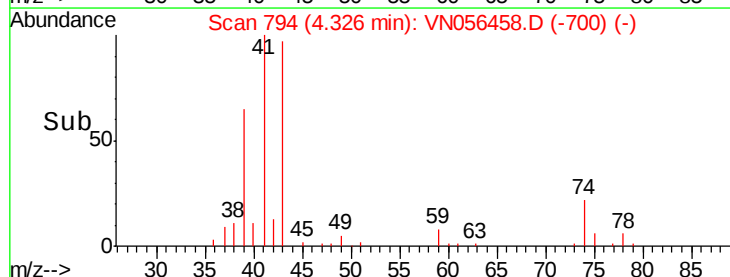
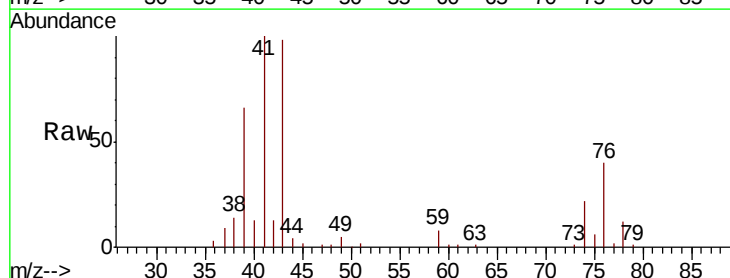
Acq: 24 Jun 2019 16:09

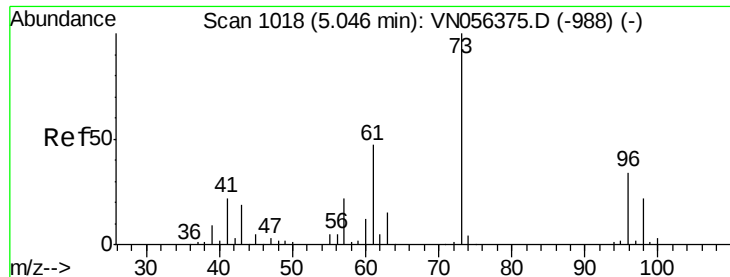
Tgt Ion: 43 Resp: 88588

Ion Ratio Lower Upper

43 100

74 23.0 19.2 28.8

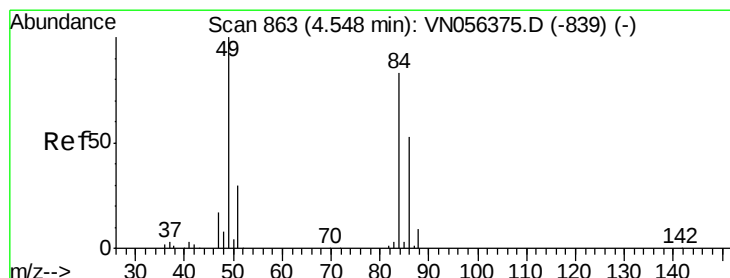
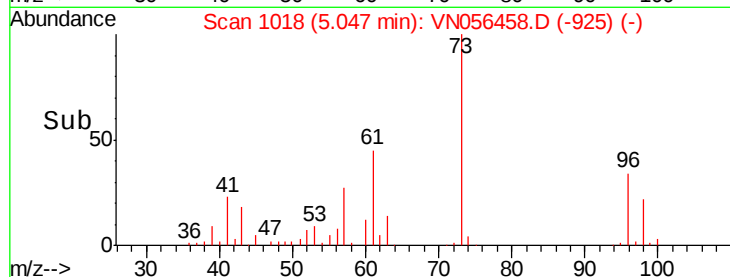
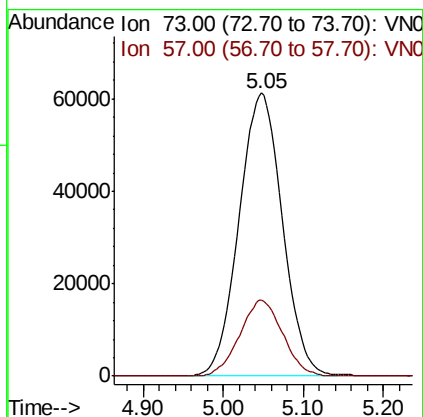
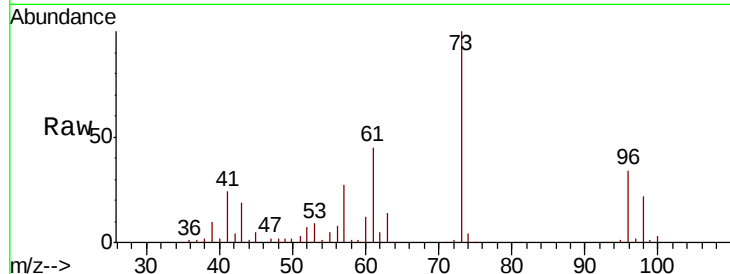




#19
Methvl tert-butvl Ether
Concen: 20.165 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

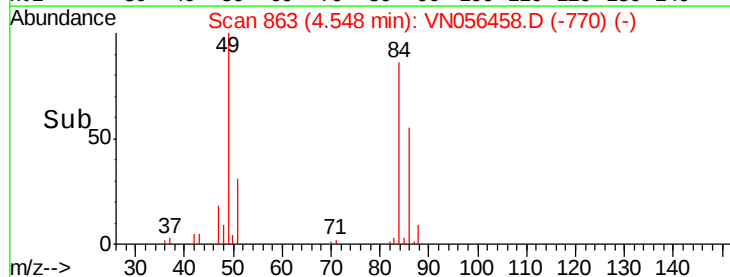
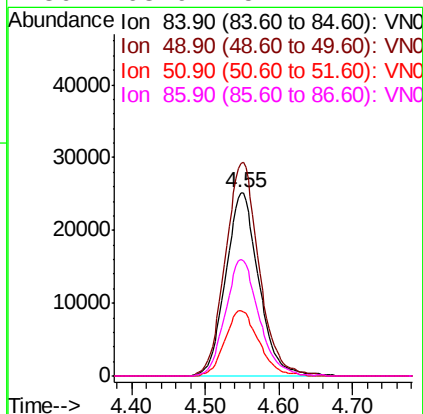
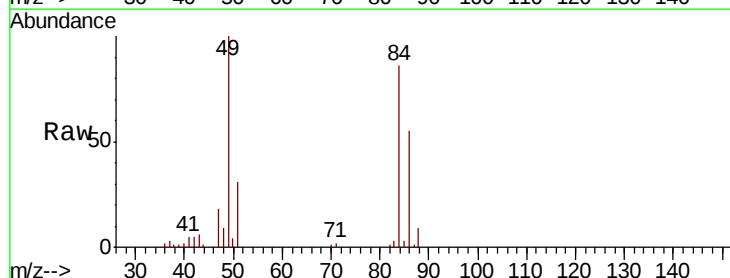
Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

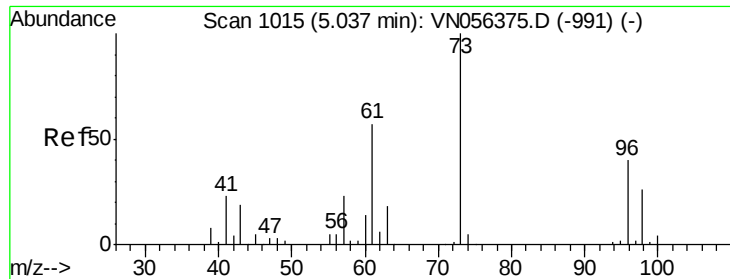
Tot Ion: 73 Resp: 226223
Ion Ratio Lower Upper
73 100
57 26.8 17.9 26.9



#20
Methylene Chloride
Concen: 19.042 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 84 Resp: 78717
Ion Ratio Lower Upper
84 100
49 115.8 96.4 144.6
51 35.4 28.6 43.0
86 63.9 51.4 77.2

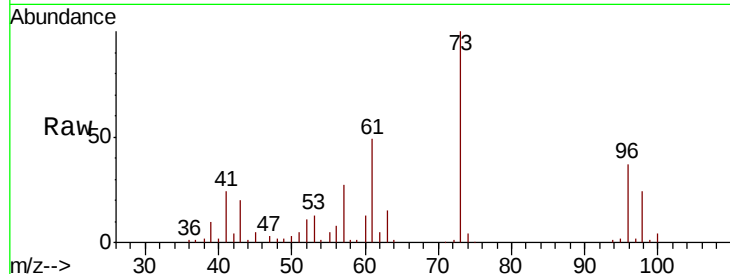




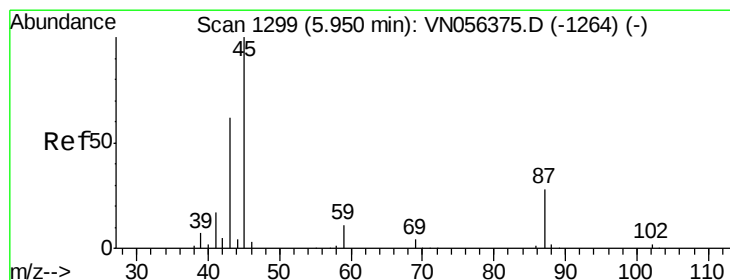
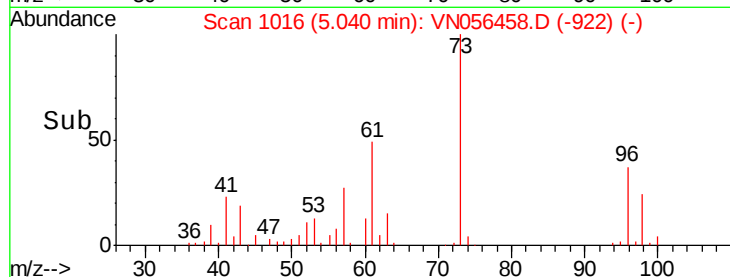
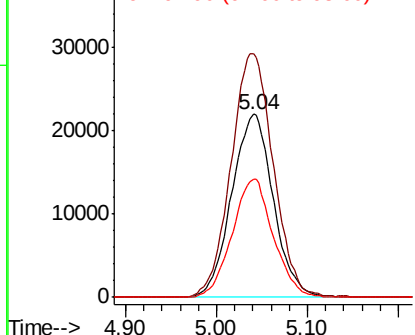
#21
trans-1,2-Dichloroethene
Concen: 19.040 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion: 96 Resp: 69599
Ion Ratio Lower Upper
96 100
61 133.0 113.0 169.6
98 64.2 52.2 78.2

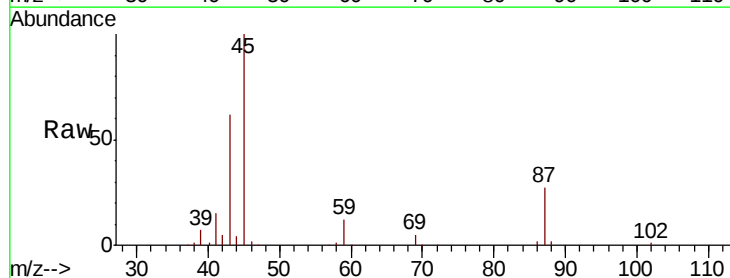


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

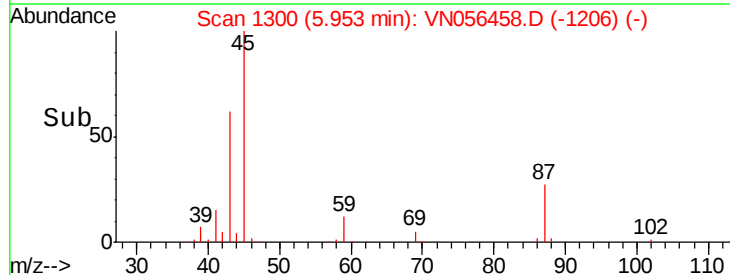
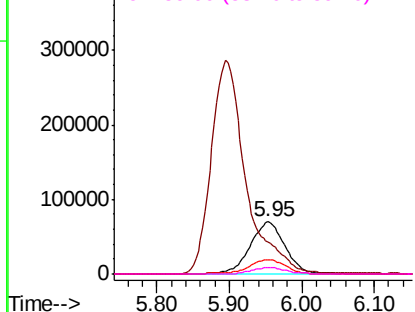


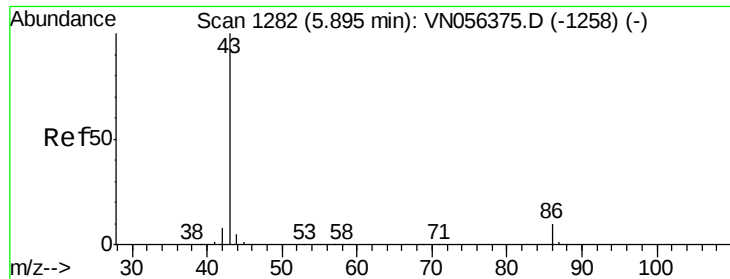
#22
Diisopropyl ether
Concen: 19.886 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 45 Resp: 235700
Ion Ratio Lower Upper
45 100
43 59.4 50.4 75.6
87 27.4 23.0 34.4
59 12.1 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: 101.890 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

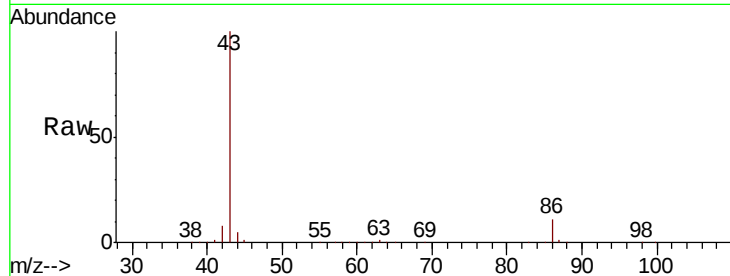
VN0624MBSD01

Tot Ion: 43 Resp: 952527

Ion Ratio Lower Upper

43 100

86 11.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

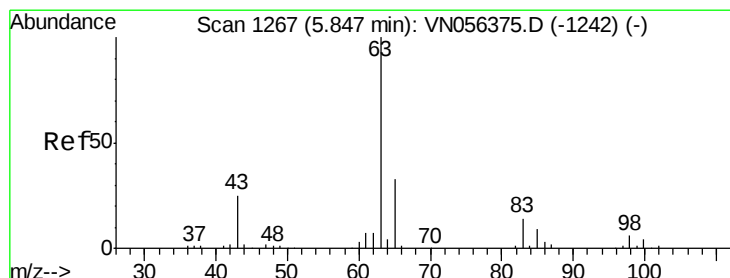
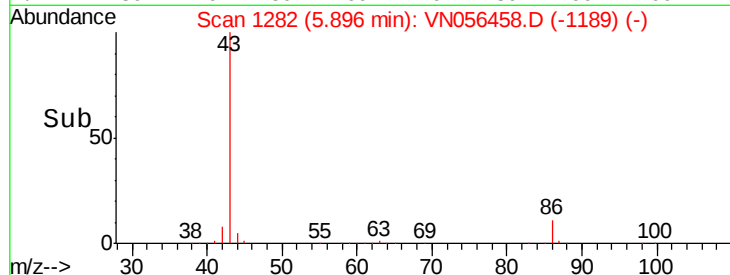
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.738 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

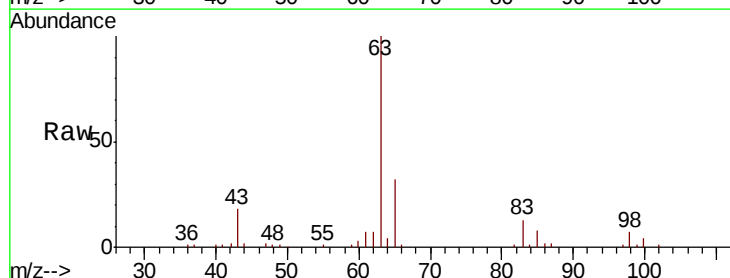
Tgt Ion: 63 Resp: 134291

Ion Ratio Lower Upper

63 100

98 6.6 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

5.85

50000

40000

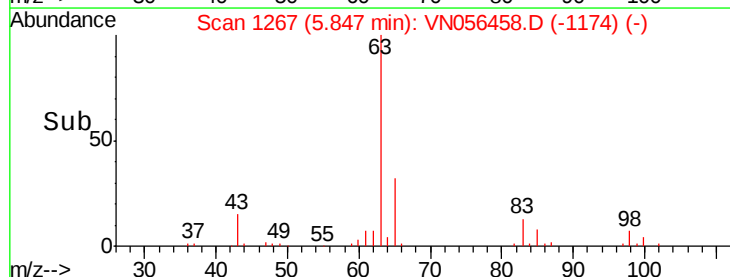
30000

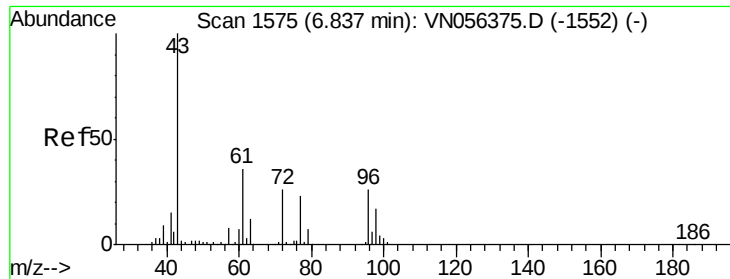
20000

10000

0

Time-->

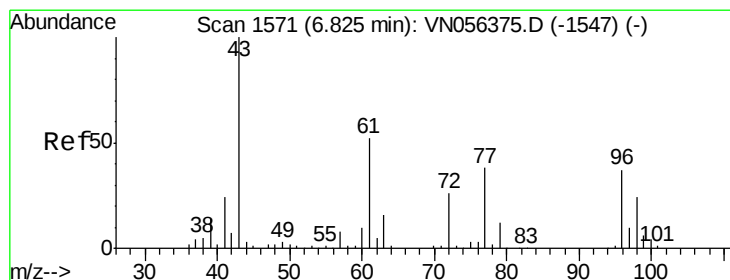
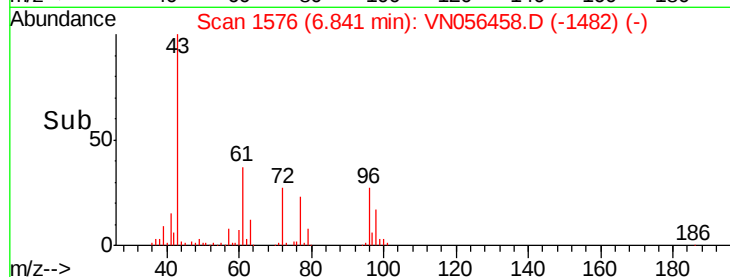
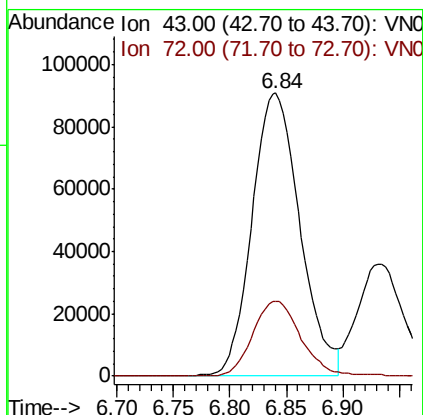
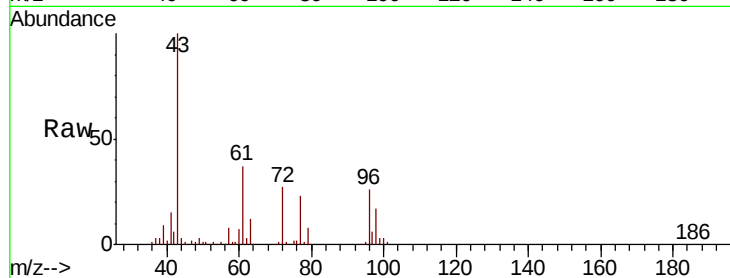




#25
2-Butanone
Concen: 94.254 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

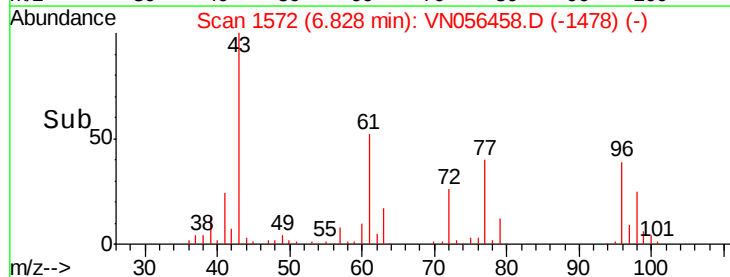
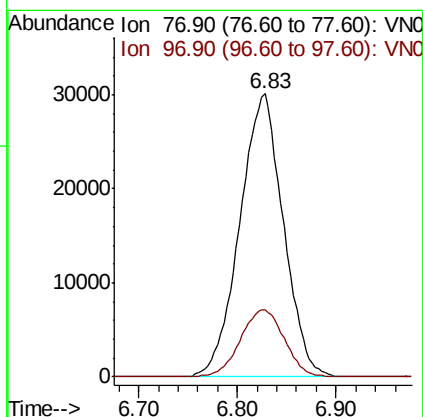
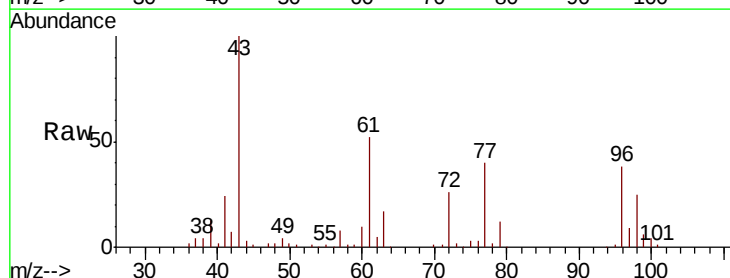
Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

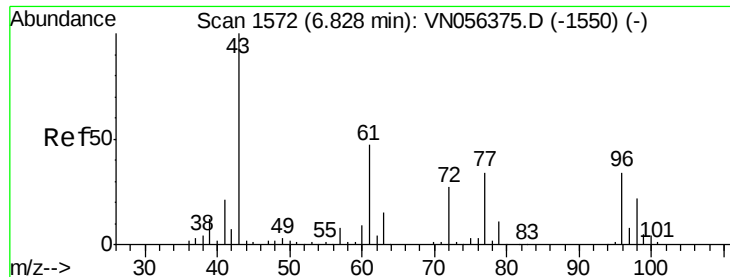
Tot Ion: 43 Resp: 265851
Ion Ratio Lower Upper
43 100
72 26.7 20.6 31.0



#26
2,2-Dichloropropane
Concen: 19.415 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 77 Resp: 91875
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.938 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleID :

VN0624MBSD01

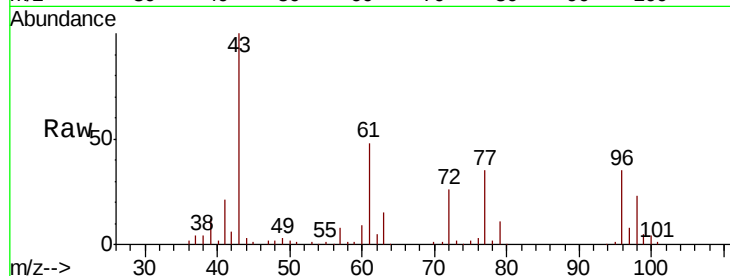
Tot Ion: 96 Resp: 85268

Ion Ratio Lower Upper

96 100

61 137.9 0.0 279.8

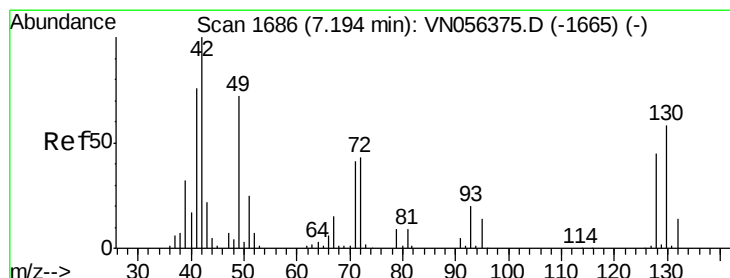
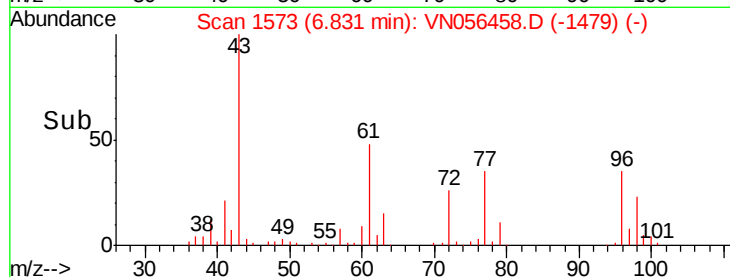
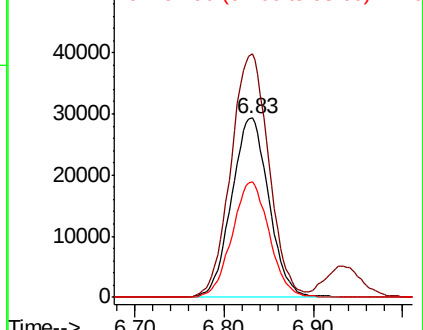
98 63.8 0.0 130.0



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: 18.587 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

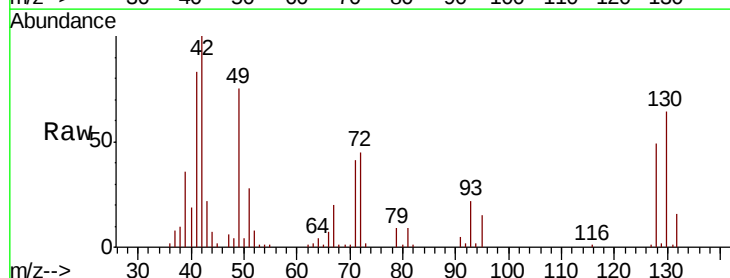
Tgt Ion: 49 Resp: 62550

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.2

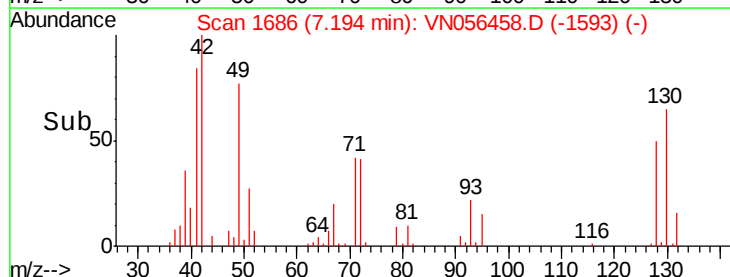
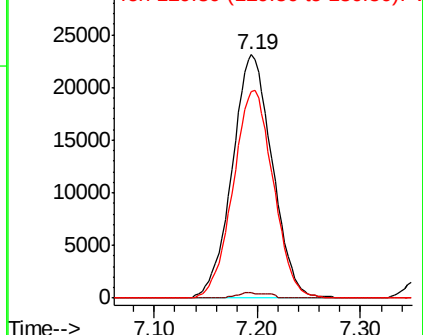
130 85.3 64.9 97.3

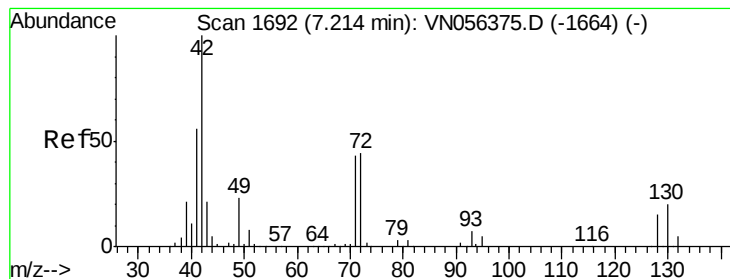


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.544 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

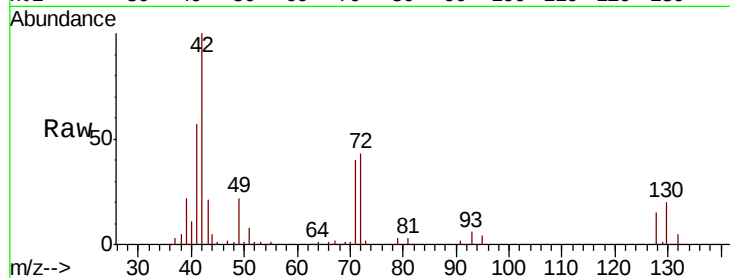
Tot Ion: 42 Resp: 169856

Ion Ratio Lower Upper

42 100

72 44.3 34.7 52.1

71 40.9 33.0 49.6

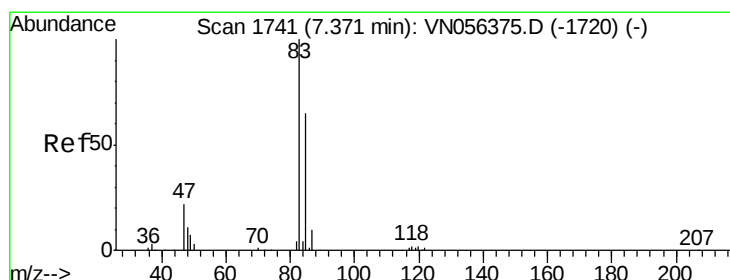
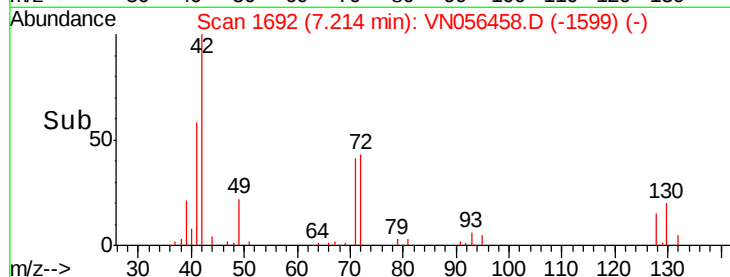
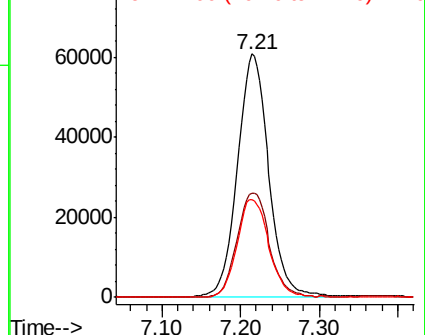


Abundance

Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.487 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056458.D

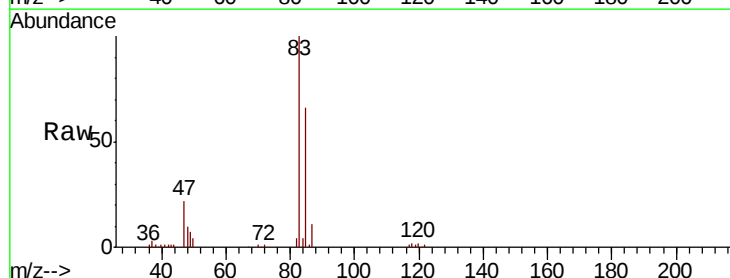
Acq: 24 Jun 2019 16:09

Tgt Ion: 83 Resp: 130828

Ion Ratio Lower Upper

83 100

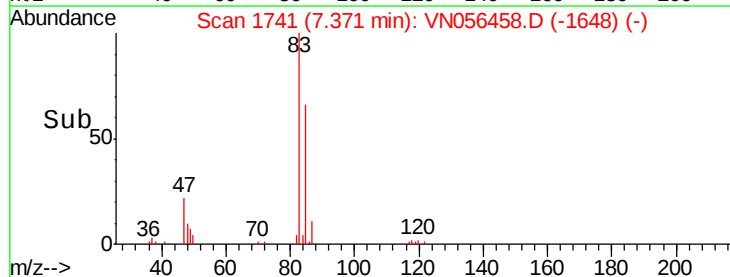
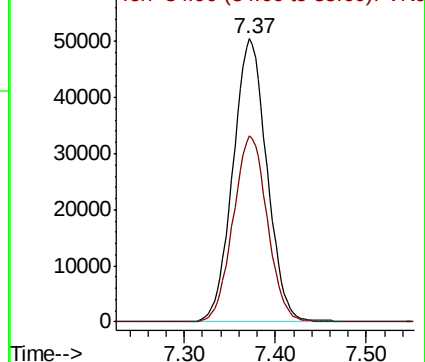
85 65.6 52.3 78.5

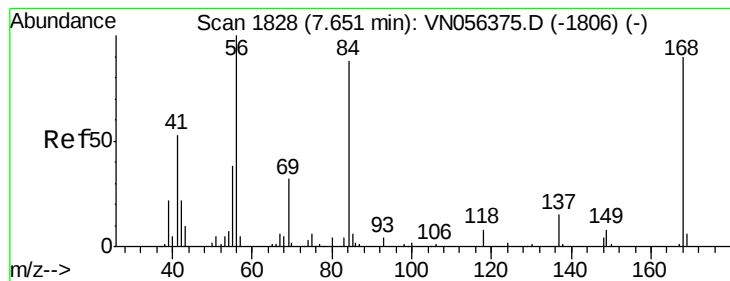


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.024 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

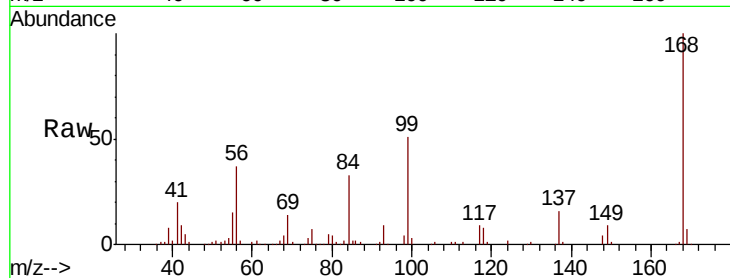
Tot Ion: 56 Resp: 124956

Ion Ratio Lower Upper

56 100

69 39.1 25.8 38.6#

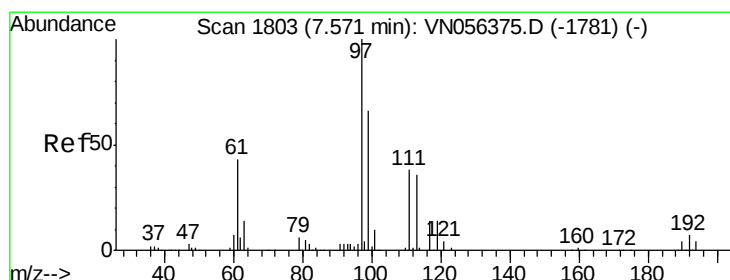
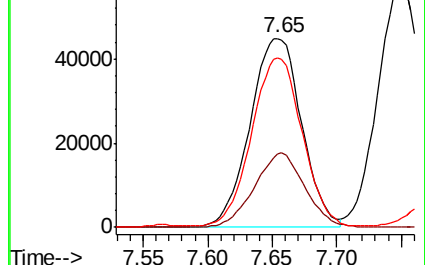
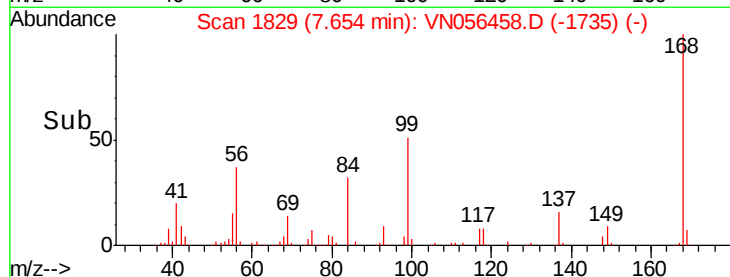
84 88.8 69.4 104.0



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: 19.582 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

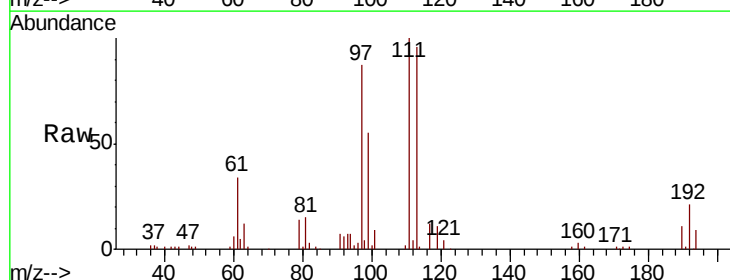
Tgt Ion: 97 Resp: 104210

Ion Ratio Lower Upper

97 100

99 65.3 51.8 77.6

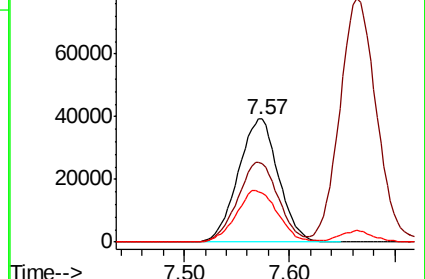
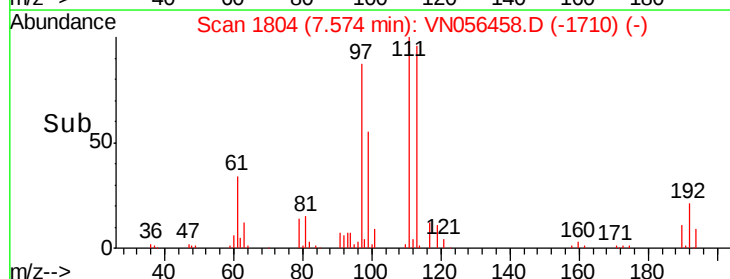
61 43.1 33.9 50.9

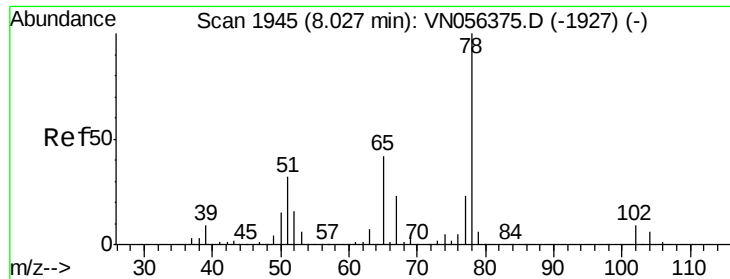


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

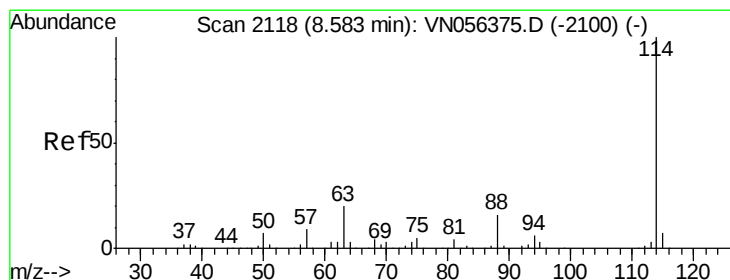
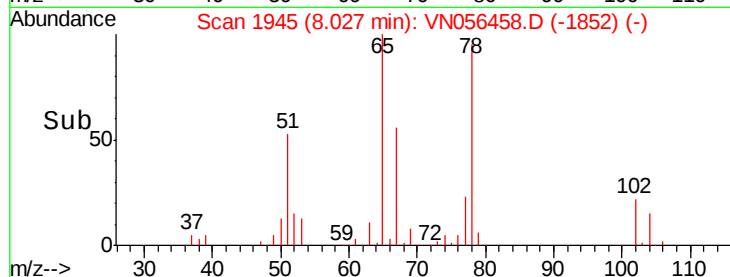
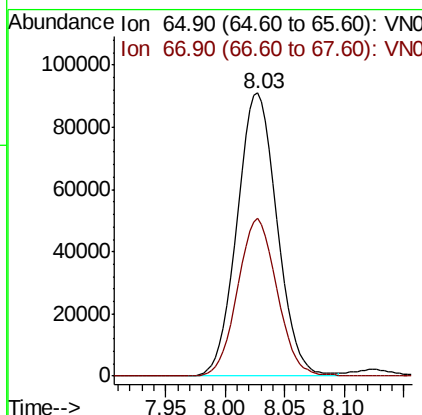
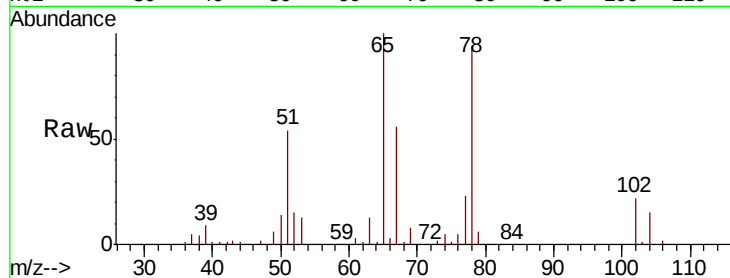




#33
 1,2-Dichloroethane-d4
 Concen: 49.848 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

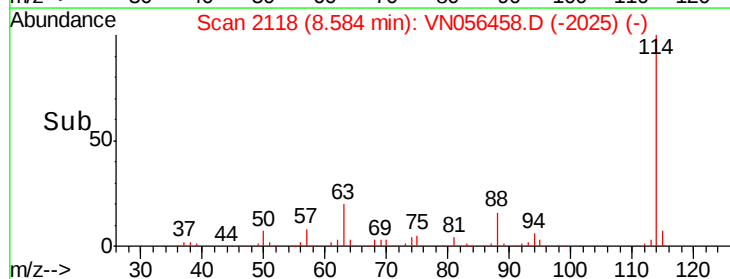
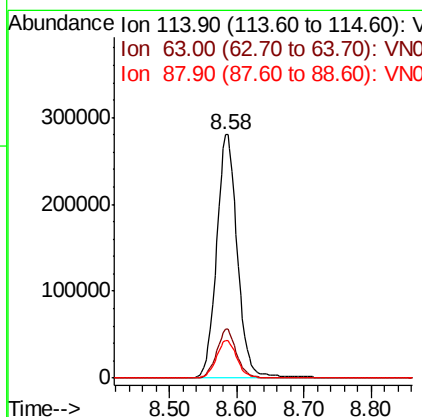
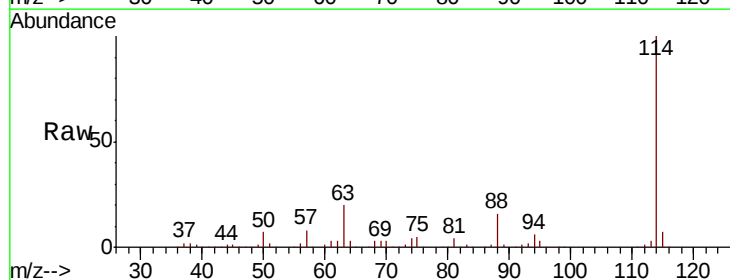
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

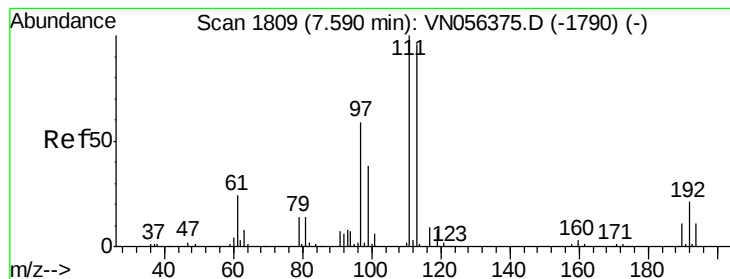
Tot Ion: 65 Resp: 212035
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion: 114 Resp: 606015
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.2
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.815 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

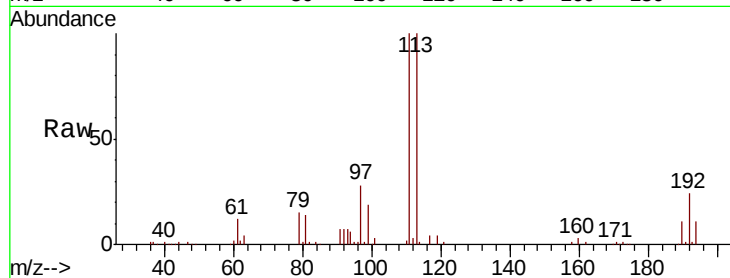
Tot Ion:113 Resp: 184545

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

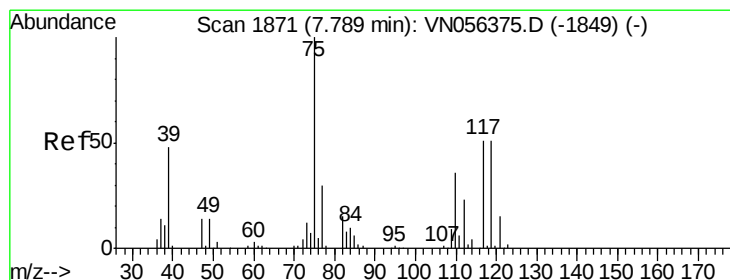
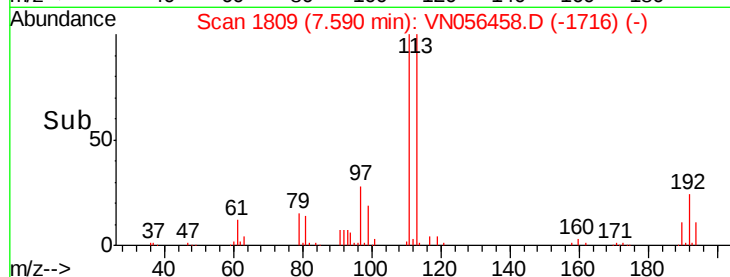
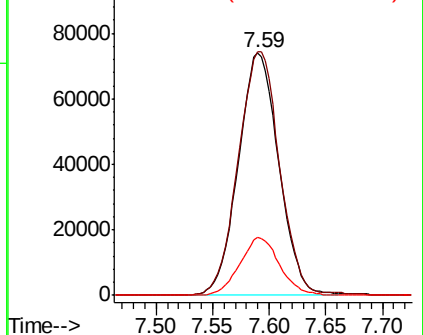
192 23.3 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.066 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

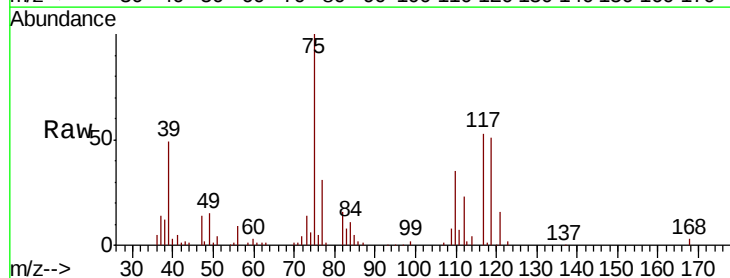
Tgt Ion: 75 Resp: 96364

Ion Ratio Lower Upper

75 100

110 37.3 18.1 54.3

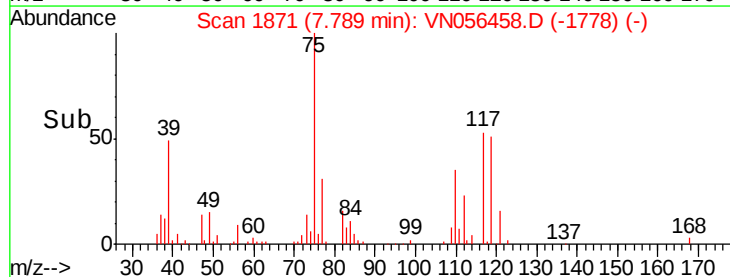
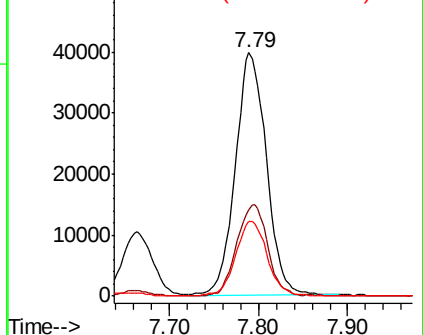
77 31.3 24.6 36.8

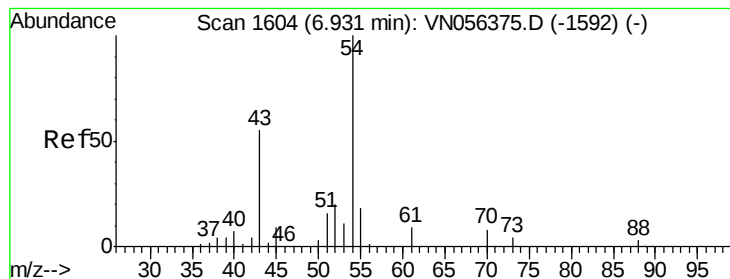


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#37

Ethyl Acetate

Concen: 19.666 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampled :

VN0624MBSD01

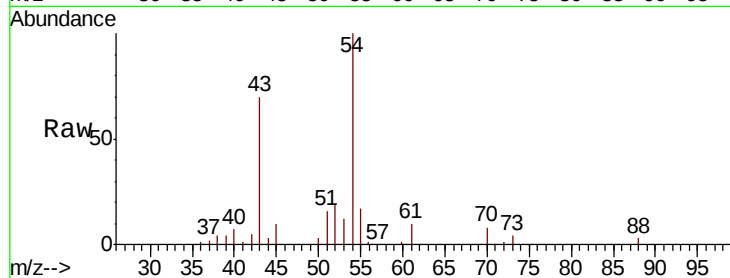
Tot Ion: 43 Resp: 103087

Ion Ratio Lower Upper

43 100

61 14.7 11.1 16.7

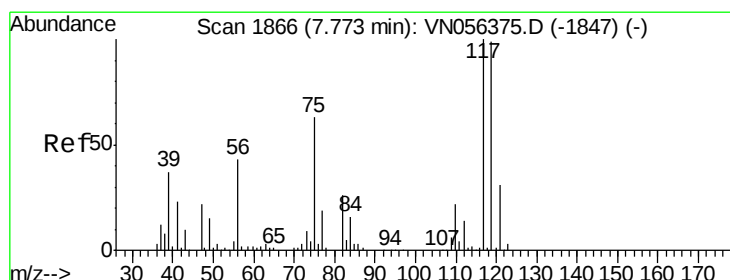
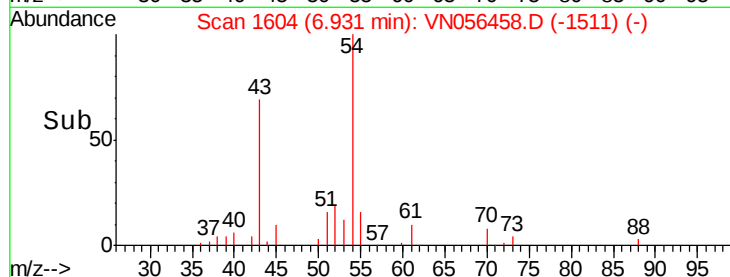
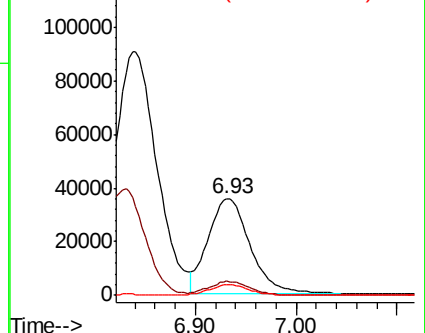
70 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1592) (-)

Ion 60.90 (60.60 to 61.60): VN056375.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN056375.D (-1592) (-)



#38

Carbon Tetrachloride

Concen: 18.514 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

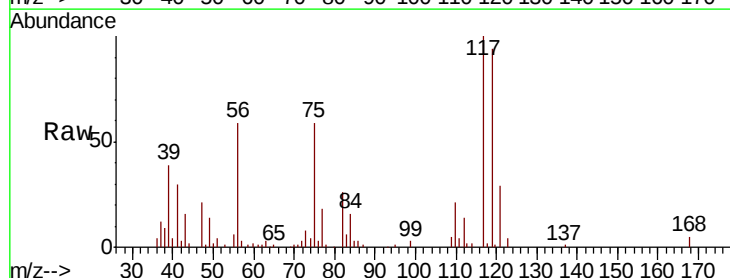
Tgt Ion: 117 Resp: 86357

Ion Ratio Lower Upper

117 100

119 94.1 79.1 118.7

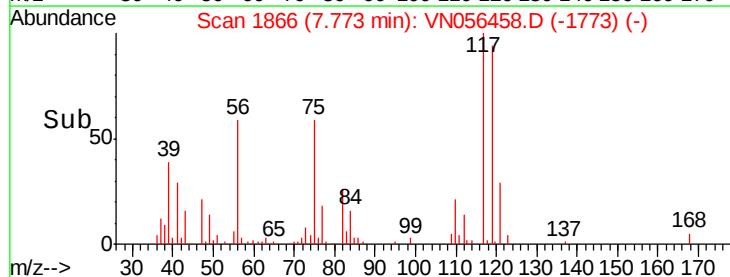
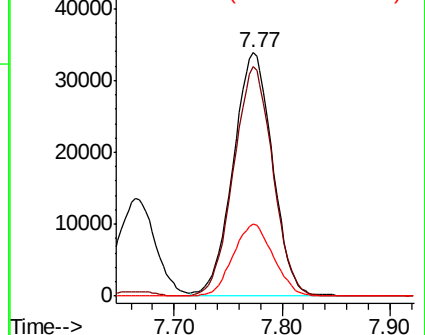
121 29.5 24.8 37.2

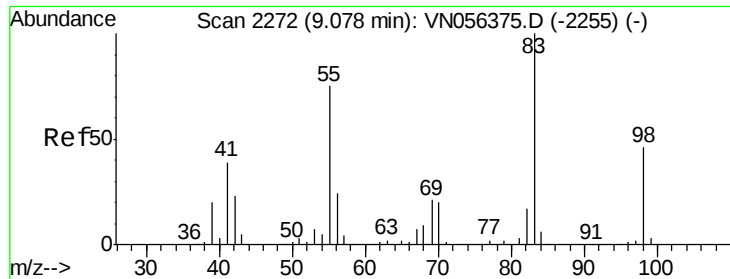


Abundance Ion 116.80 (116.50 to 117.50): VN056375.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN056375.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN056375.D (-1847) (-)

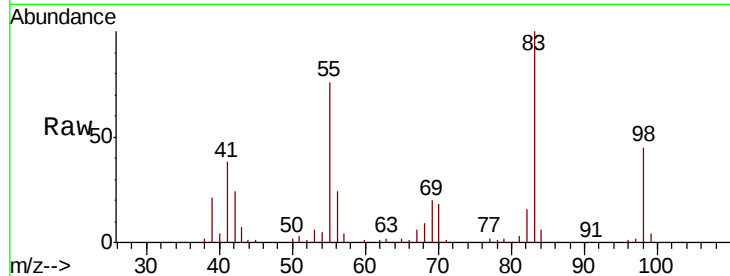




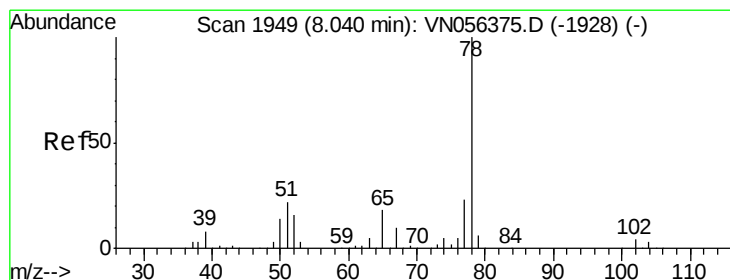
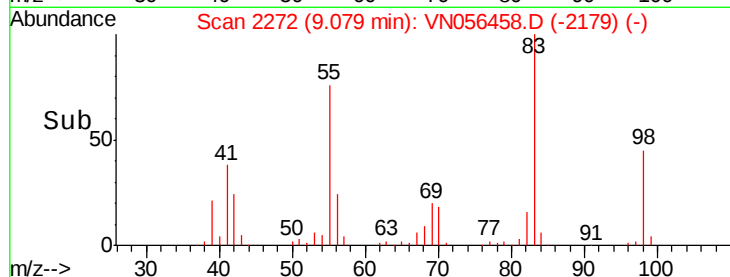
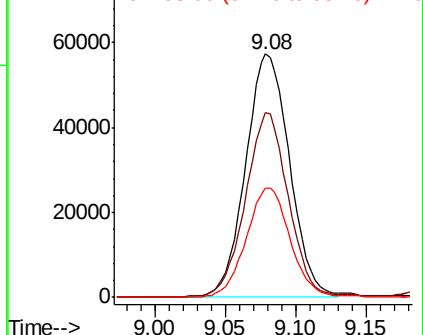
#39
Methvlcvclohexane
Concen: 19.013 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion: 83 Resp: 125139
Ion Ratio Lower Upper
83 100
55 75.2 60.0 90.0
98 44.6 36.6 54.8

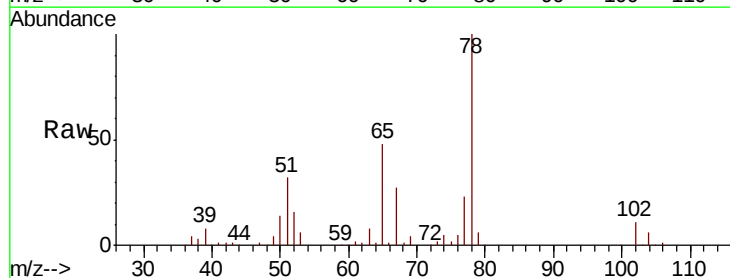


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

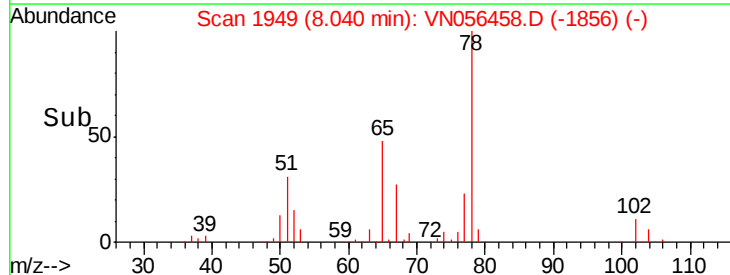
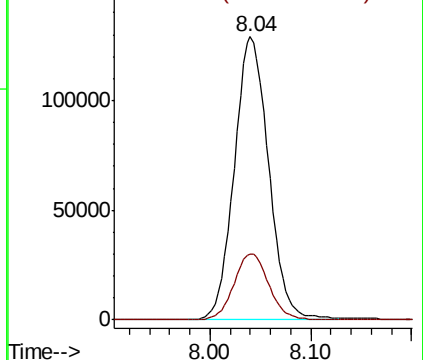


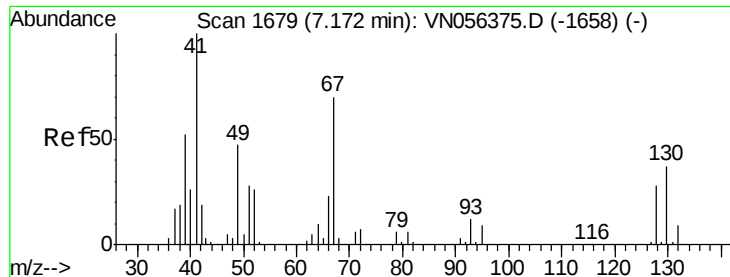
#40
Benzene
Concen: 18.590 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 78 Resp: 305007
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5



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

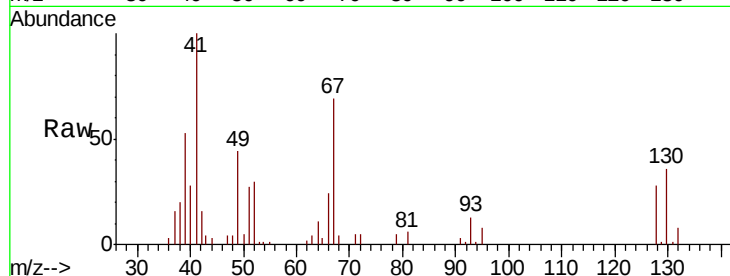




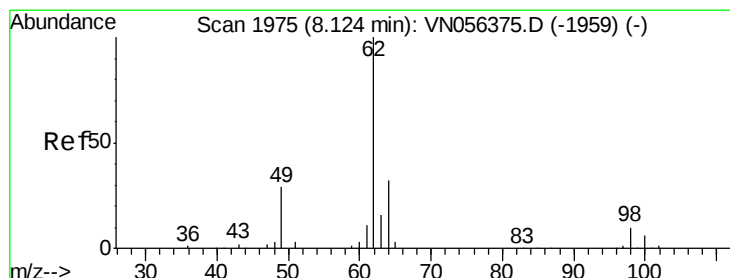
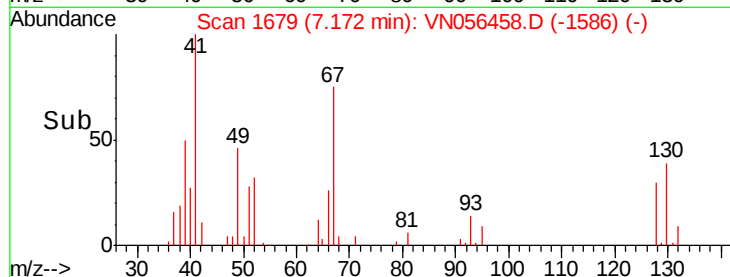
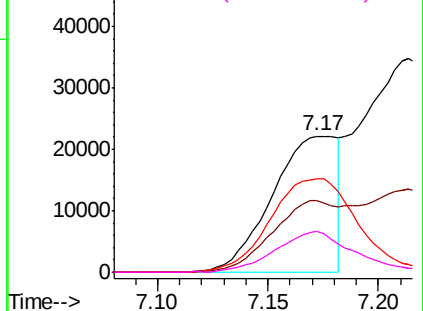
#41
Methacrylonitrile
Concen: 19.675 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion: 41 Resp: 45542
Ion Ratio Lower Upper
41 100
39 51.3 55.3 82.9#
67 92.7 79.2 118.8
52 36.3 31.4 47.0

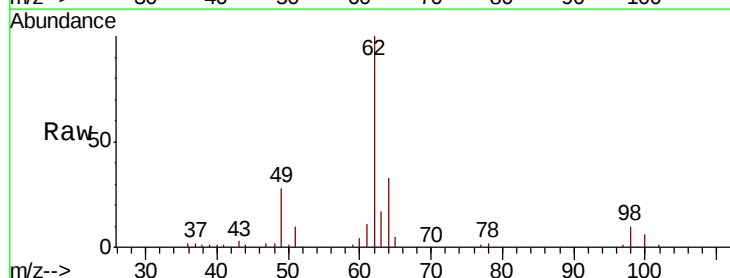


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

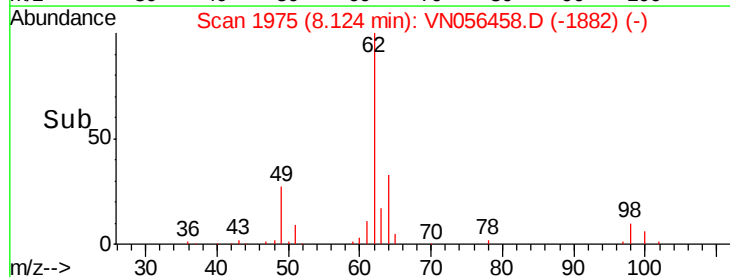
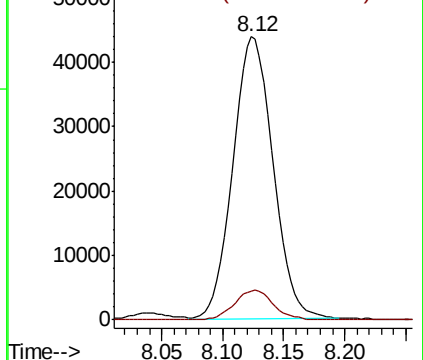


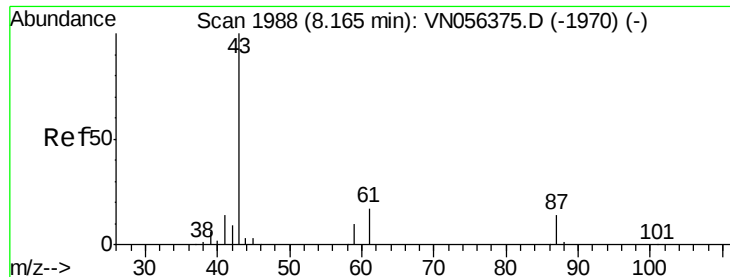
#42
1,2-Dichloroethane
Concen: 18.395 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 62 Resp: 99606
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 20.436 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

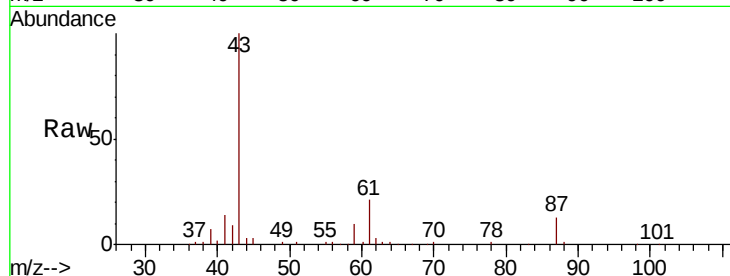
MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion: 43 Resp: 165182

Ion	Ratio	Lower	Upper
43	100		
61	19.7	22.0	33.0#
87	12.9	11.0	16.4

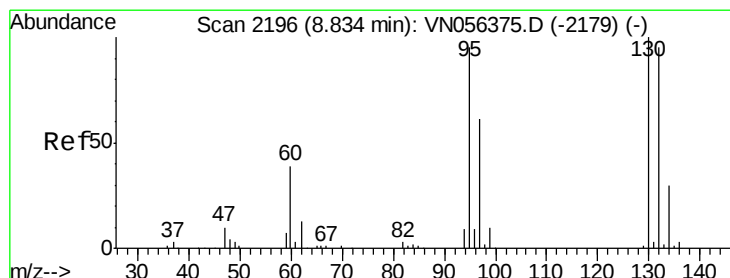
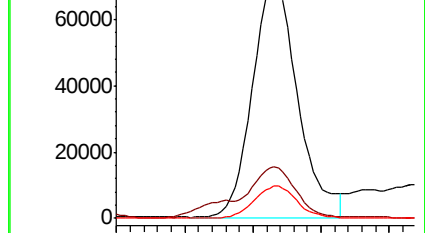
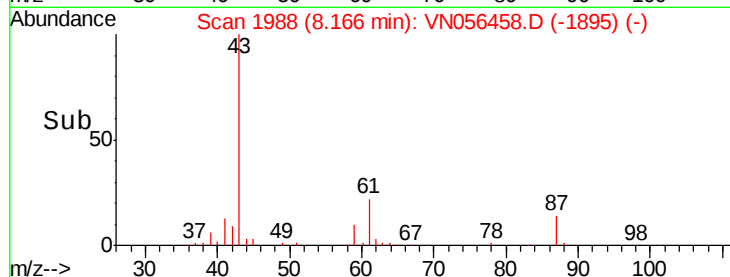


Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

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

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

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 18.893 ug/l

RT: 8.84 min Scan# 2197

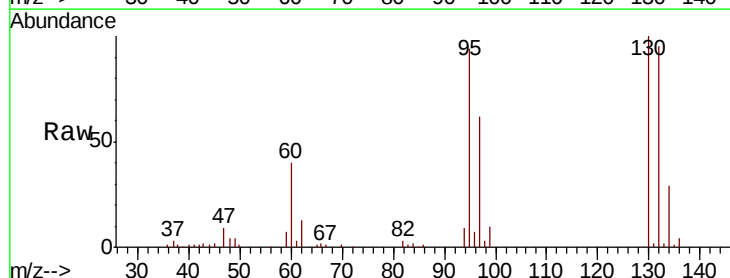
Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Tgt Ion: 130 Resp: 83501

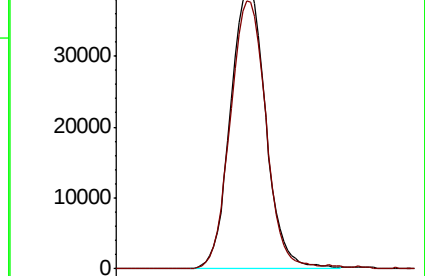
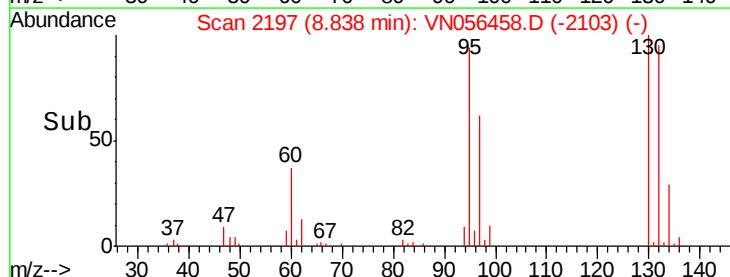
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	191.0

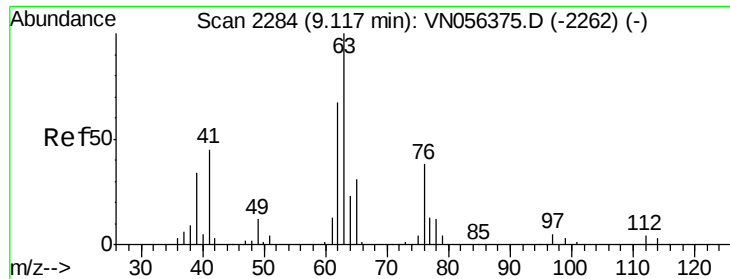


Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

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

Time--> 8.75 8.80 8.85 8.90 8.95

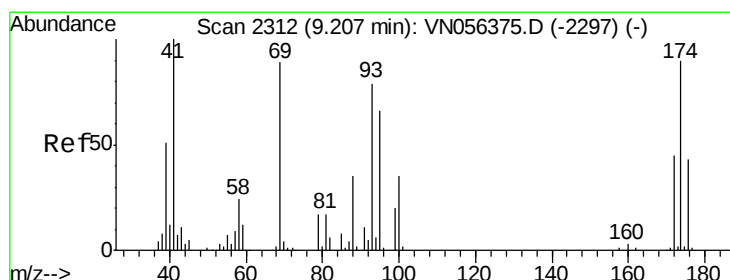
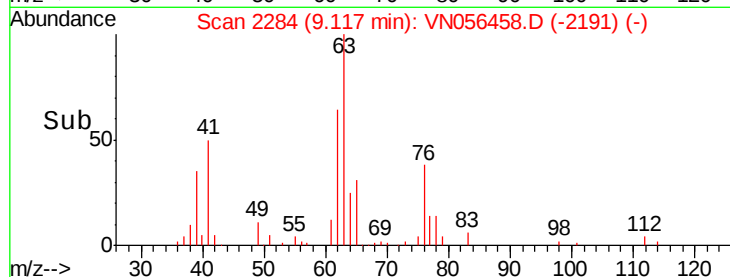
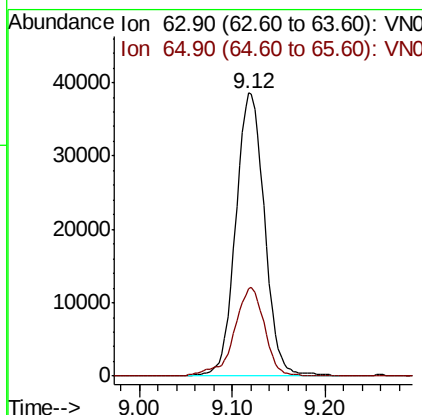
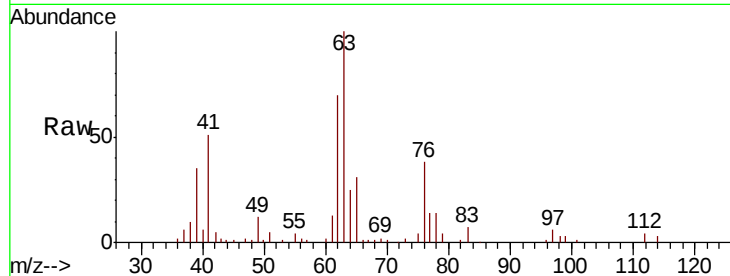




#45
 1,2-Dichloropropane
 Concen: 18.954 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

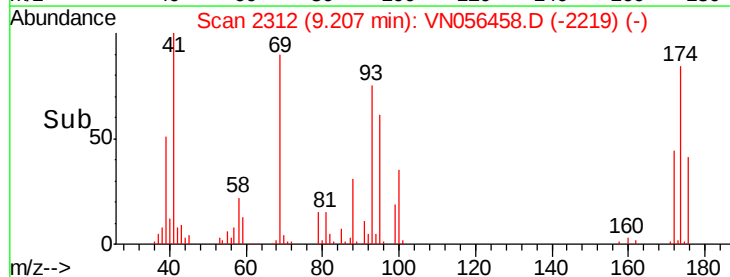
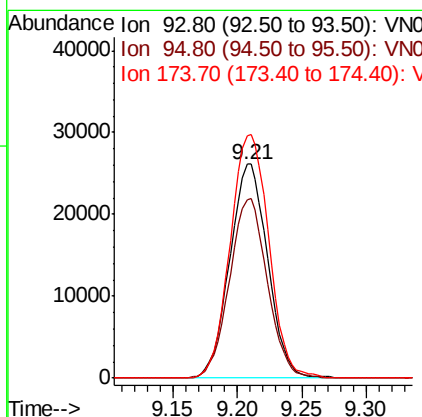
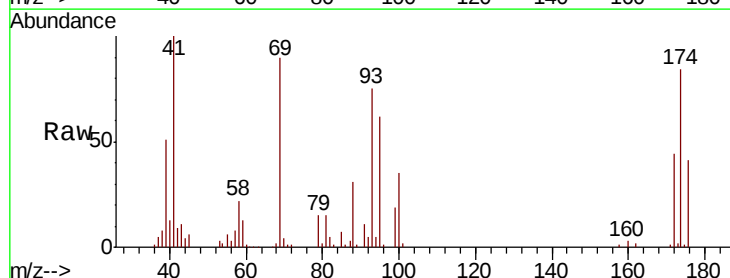
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion: 63 Resp: 83170
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6



#46
 Dibromomethane
 Concen: 19.466 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion: 93 Resp: 53439
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.2 99.2
 174 115.8 90.8 136.2





#47

Bromodichloromethane

Concen: 19.411 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

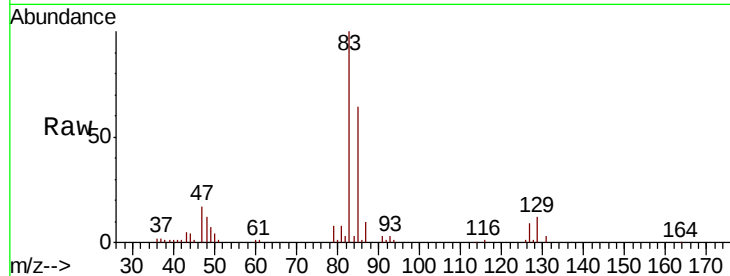
Tot Ion: 83 Resp: 94510

Ion Ratio Lower Upper

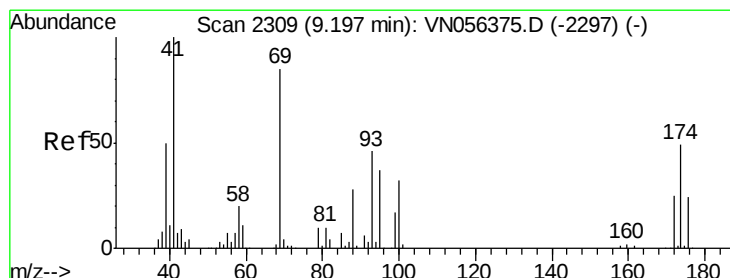
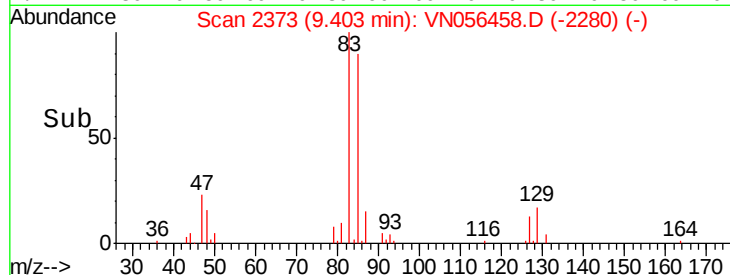
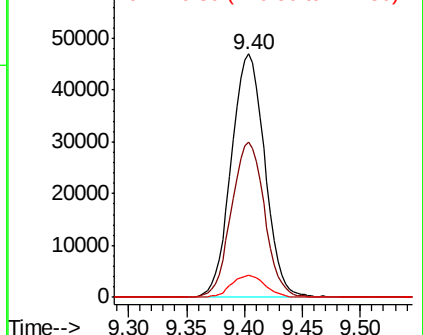
83 100

85 64.0 52.2 78.4

127 8.9 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 18.664 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

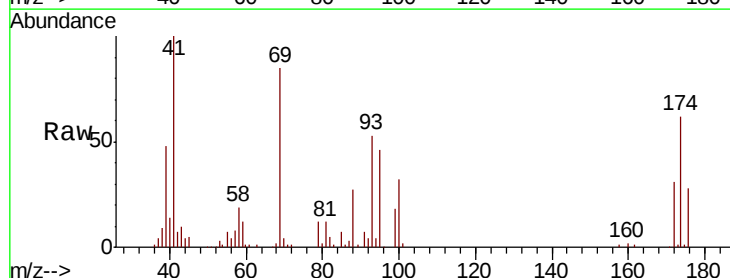
Tgt Ion: 41 Resp: 75600

Ion Ratio Lower Upper

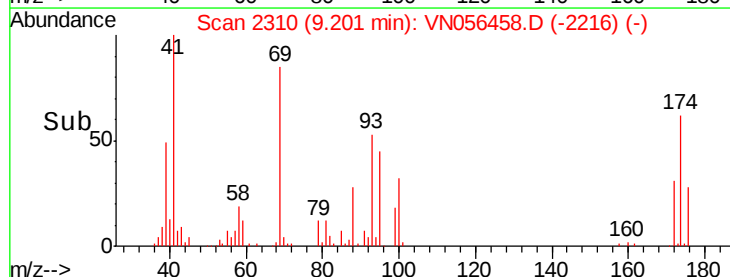
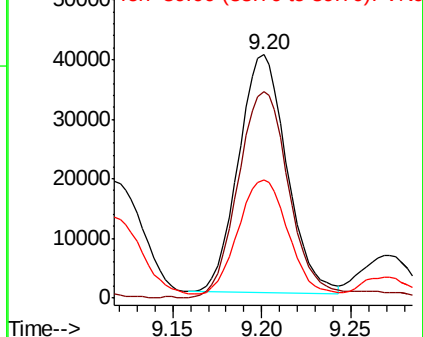
41 100

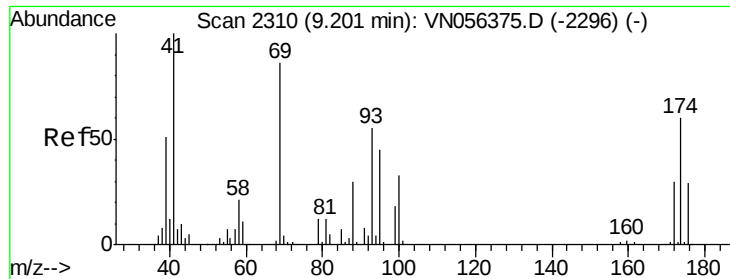
69 92.0 72.6 109.0

39 52.1 42.6 63.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

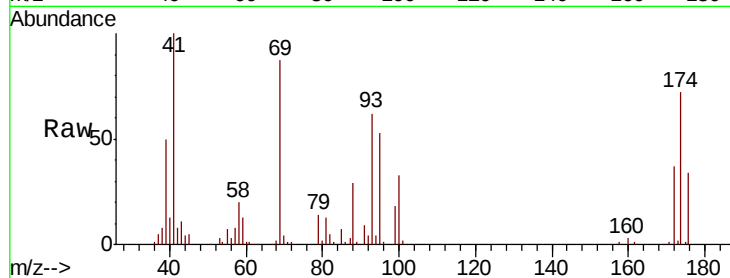




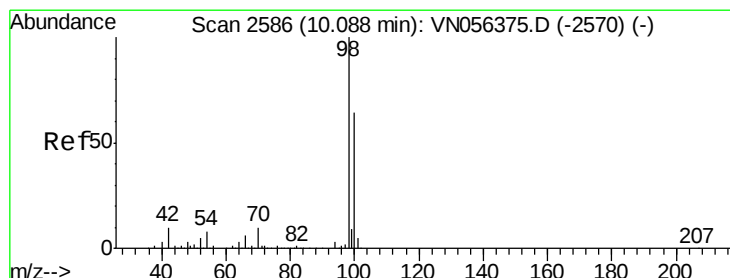
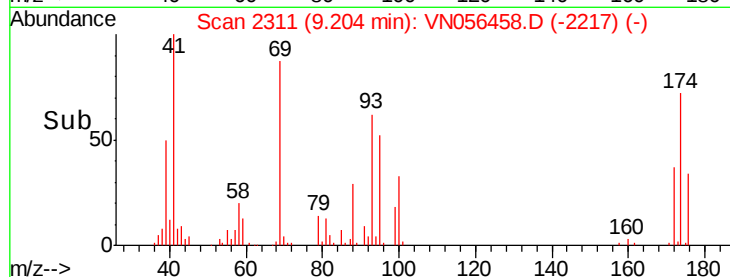
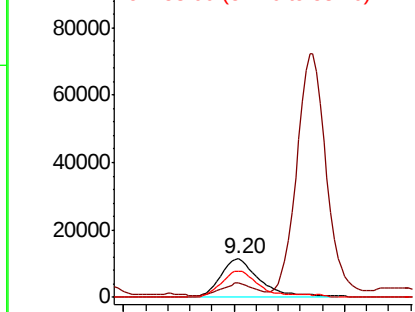
#49
 1,4-Dioxane
 Concen: 337.519 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Tot Ion: 88 Resp: 28371
 Ion Ratio Lower Upper
 88 100
 43 24.4 22.0 33.0
 58 63.2 51.8 77.8

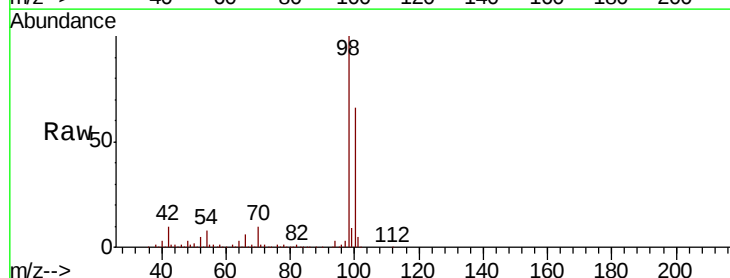


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

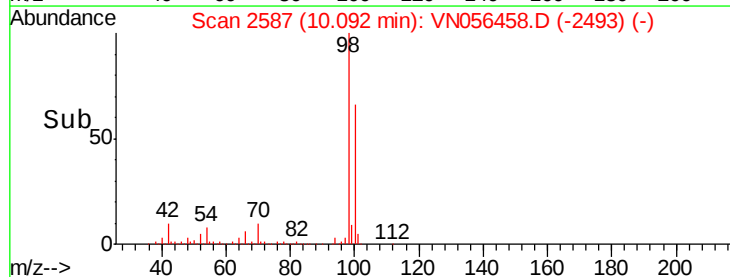
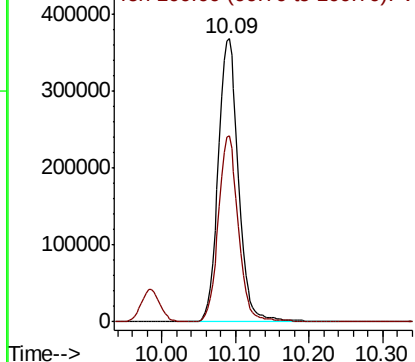


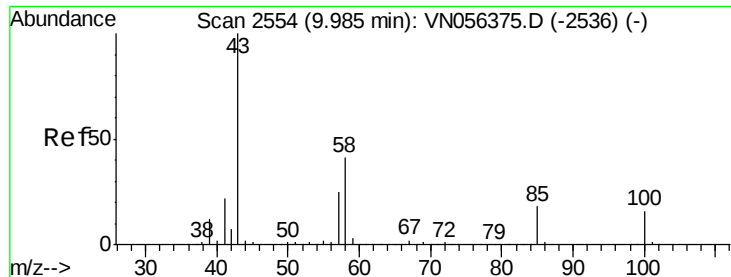
#50
 Toluene-d8
 Concen: 47.661 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion: 98 Resp: 701111
 Ion Ratio Lower Upper
 98 100
 100 64.1 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 96.068 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

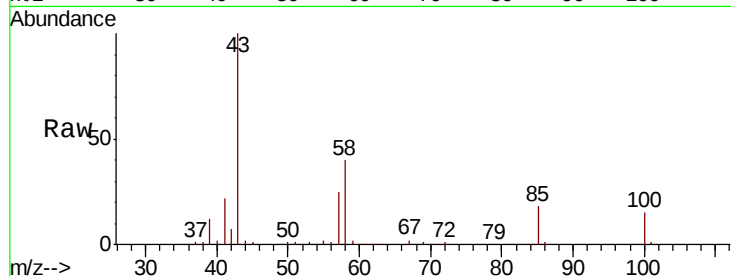
VN0624MBSD01

Tot Ion: 43 Resp: 501191

Ion Ratio Lower Upper

43 100

58 40.3 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

250000

200000

150000

100000

50000

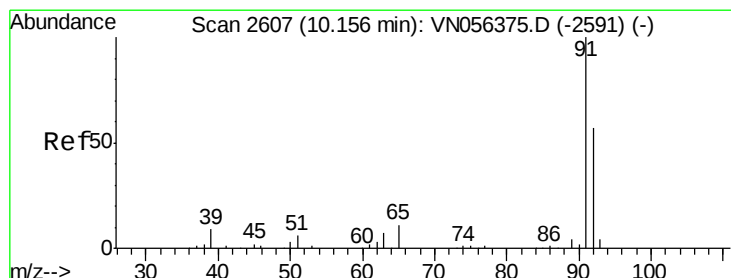
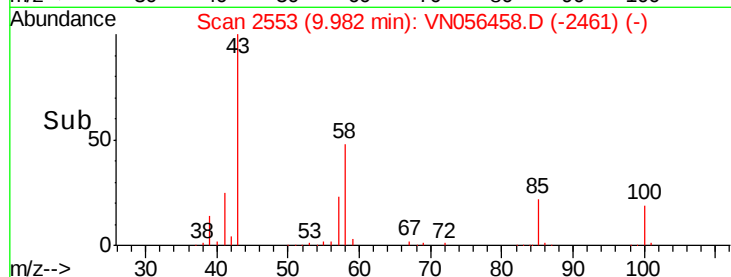
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 18.910 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056458.D

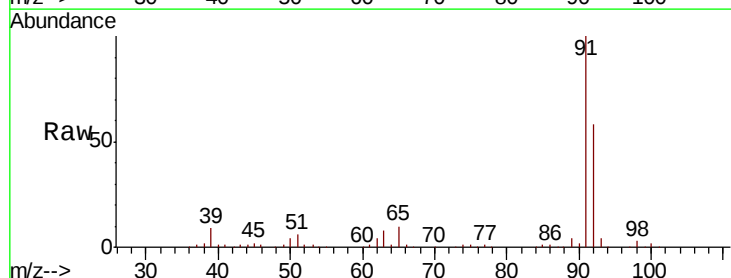
Acq: 24 Jun 2019 16:09

Tgt Ion: 92 Resp: 189691

Ion Ratio Lower Upper

92 100

91 175.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

150000

100000

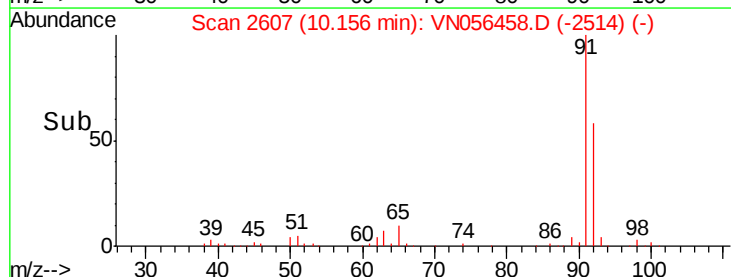
50000

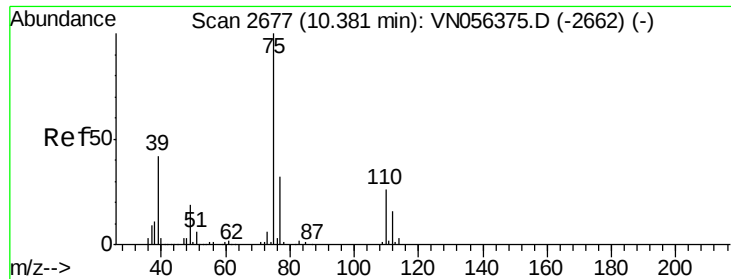
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.203 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

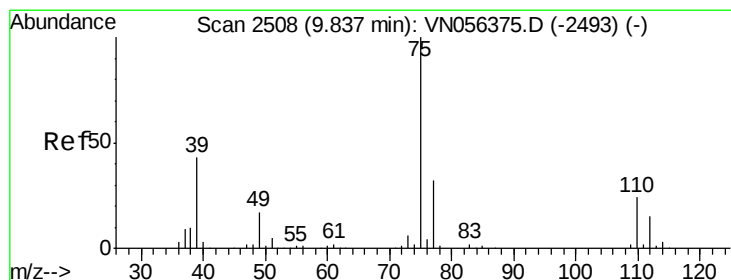
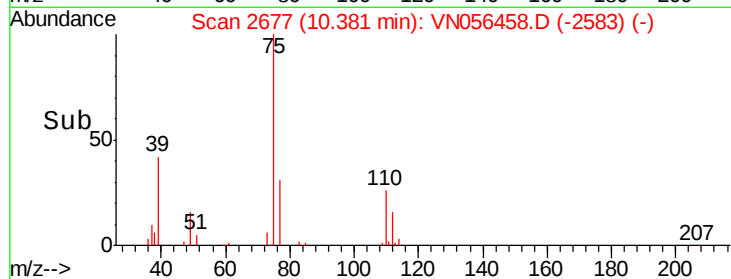
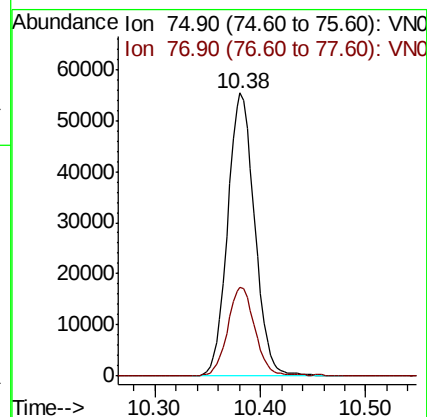
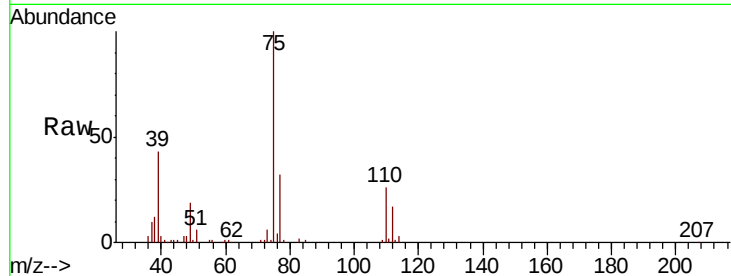
VN0624MBSD01

Tot Ion: 75 Resp: 98179

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.804 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

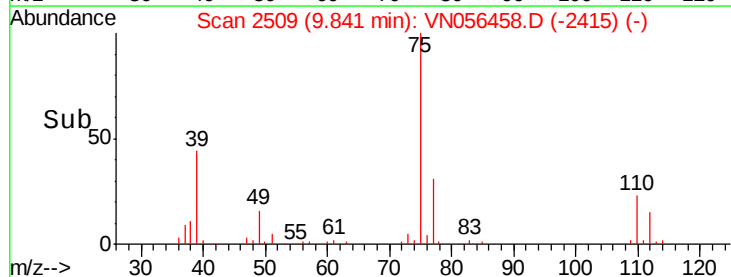
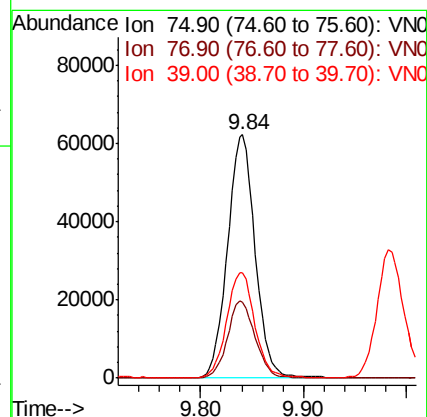
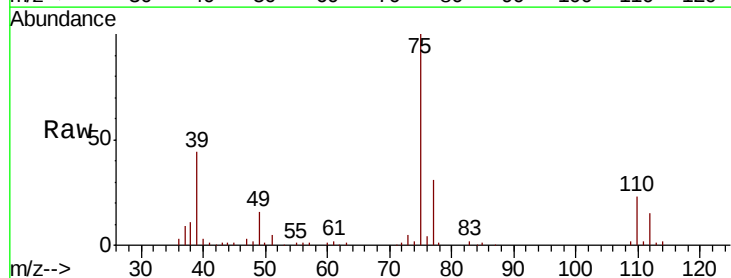
Tgt Ion: 75 Resp: 116117

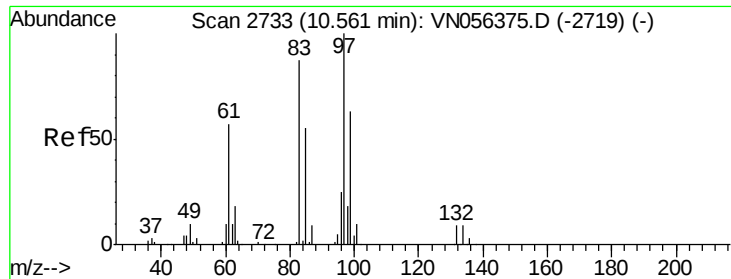
Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

39 43.5 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 19.800 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

Tot Ion: 97 Resp: 79837

Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.8	104.6
85	54.8	43.8	65.8
99	62.4	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

10.56

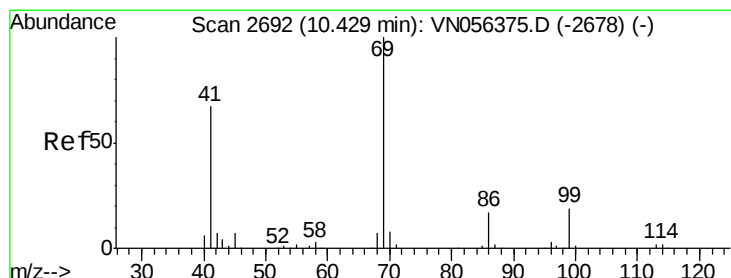
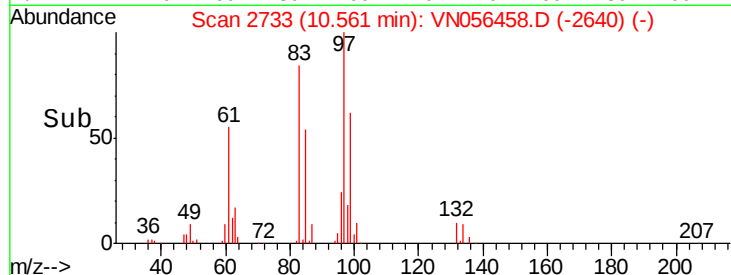
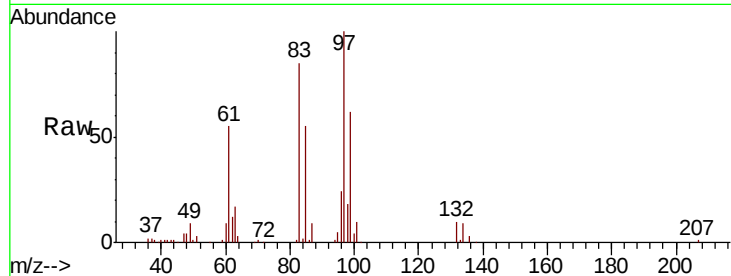
40000

20000

0

10.50 10.55 10.60 10.65

Time-->



#56

Ethyl methacrylate

Concen: 19.669 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Tgt Ion: 69 Resp: 115903

Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.4	77.2
39	30.4	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

10.43

80000

60000

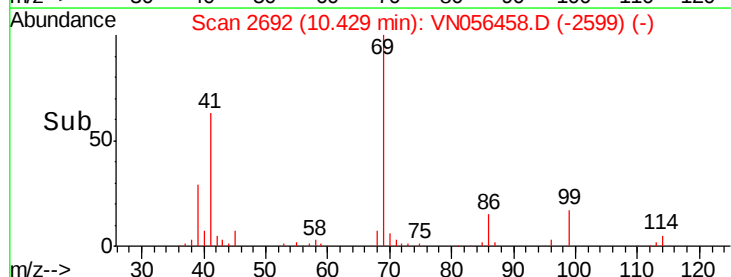
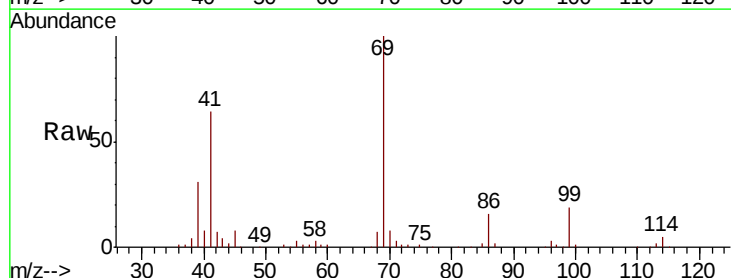
40000

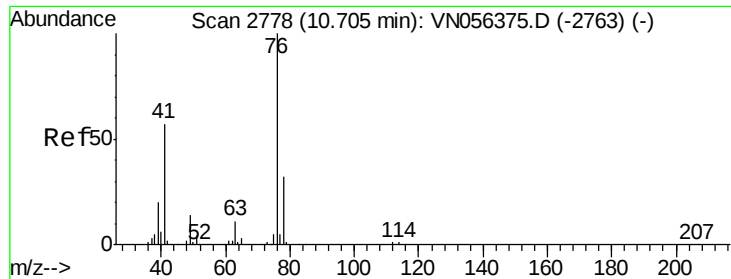
20000

0

10.40 10.45 10.50

Time-->

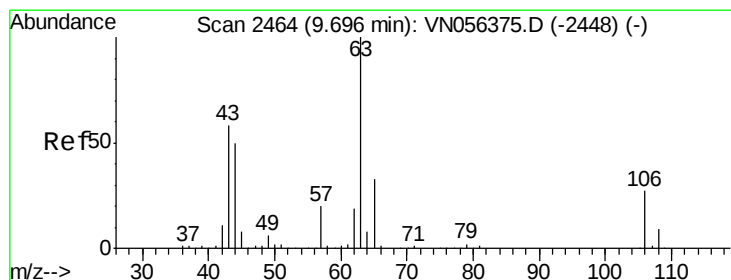
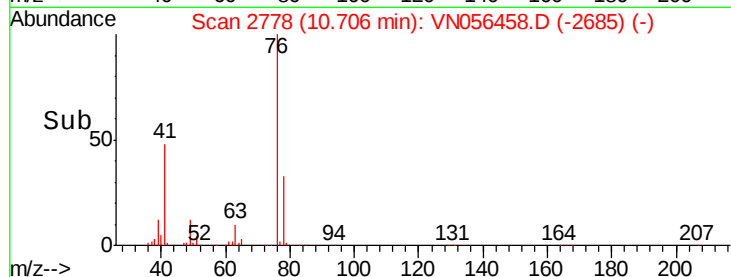
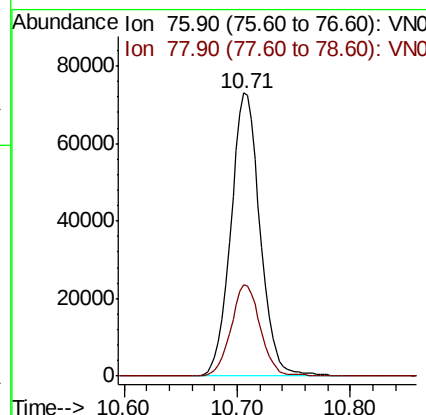
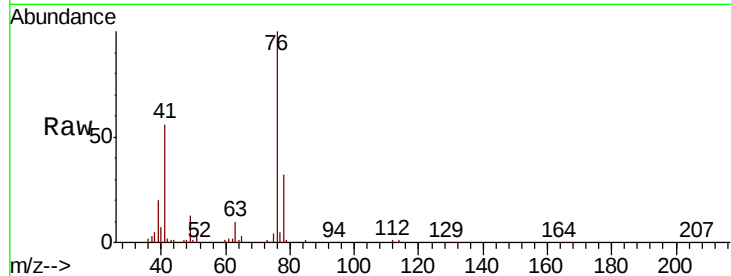




#57
 1,3-Dichloropropane
 Concen: 19.345 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

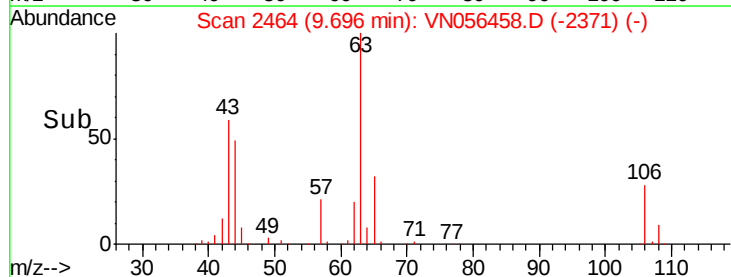
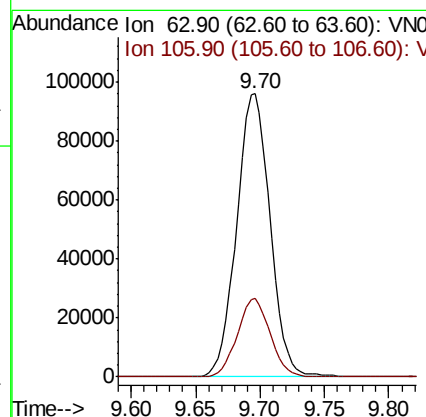
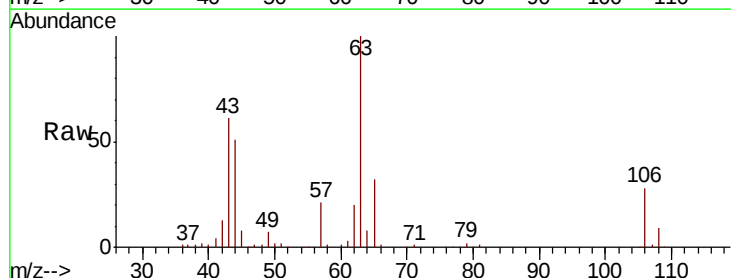
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

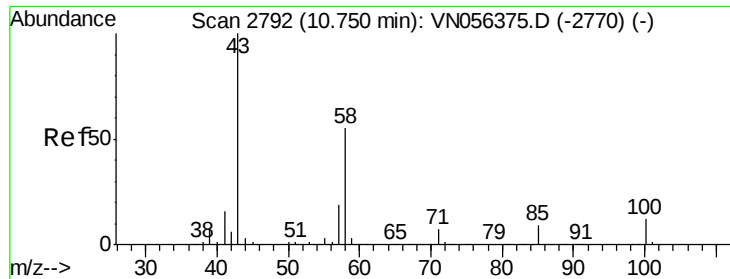
Tot Ion: 76 Resp: 131038
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.759 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion: 63 Resp: 173078
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.6 32.4

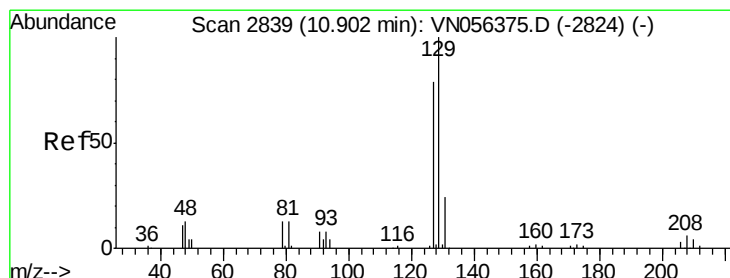
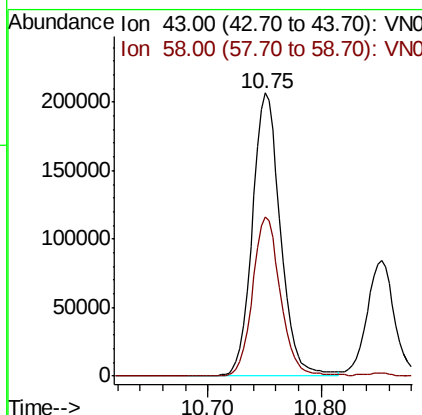
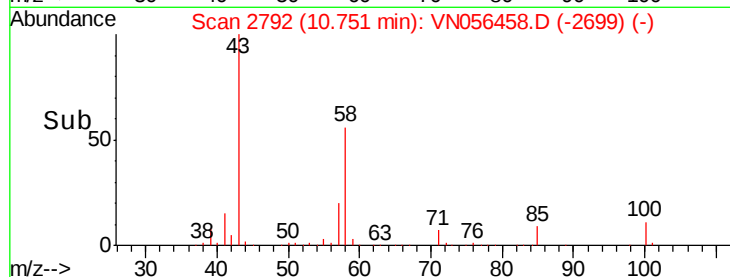
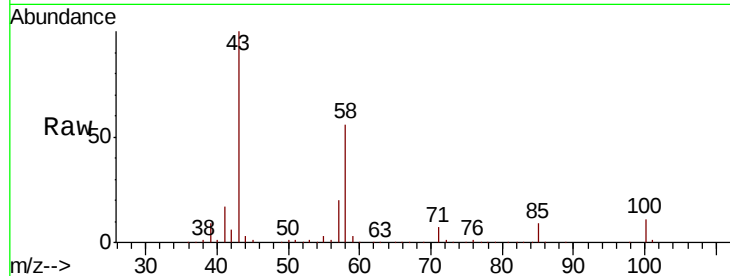




#59
2-Hexanone
Concen: 92.399 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

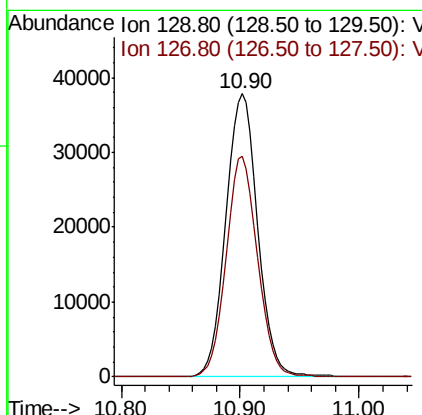
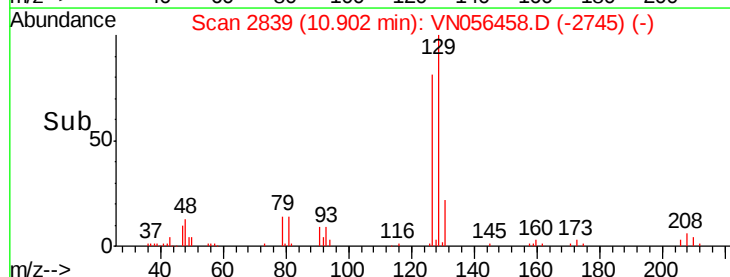
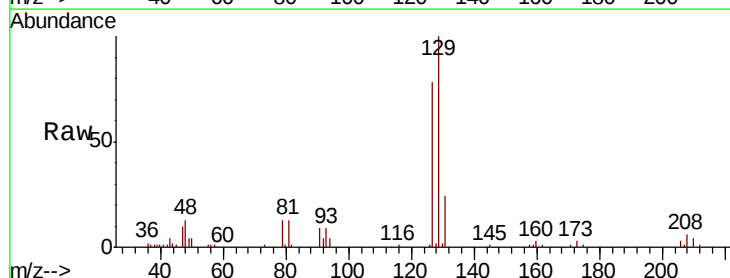
Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

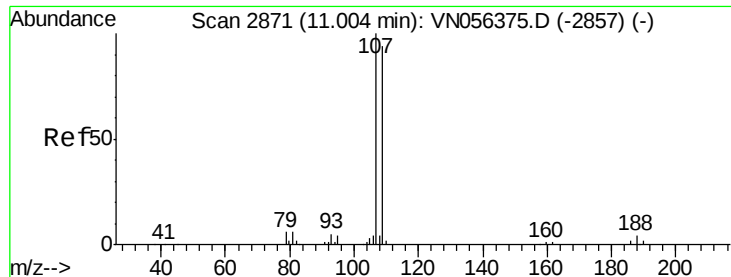
Tot Ion: 43 Resp: 354290
Ion Ratio Lower Upper
43 100
58 56.2 27.8 83.4



#60
Dibromochloromethane
Concen: 18.484 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion:129 Resp: 70073
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7

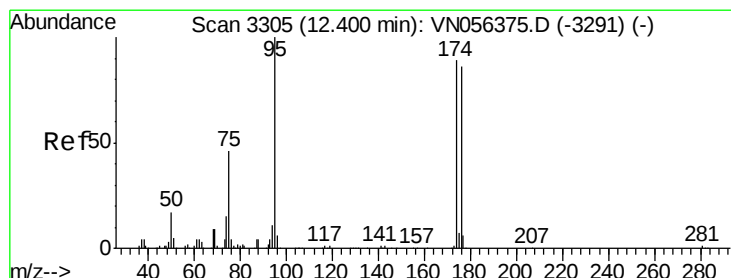
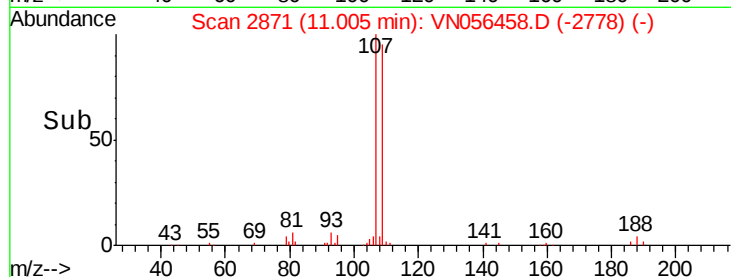
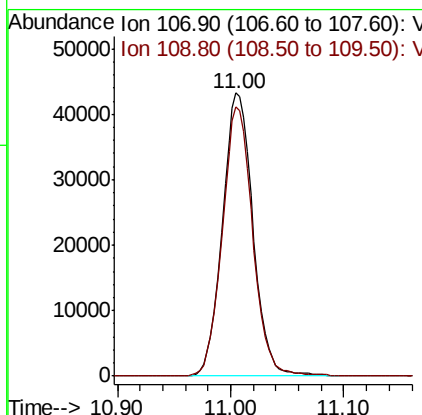
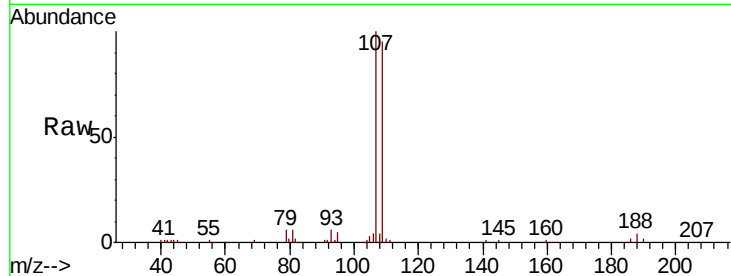




#61
 1,2-Dibromoethane
 Concen: 19.671 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

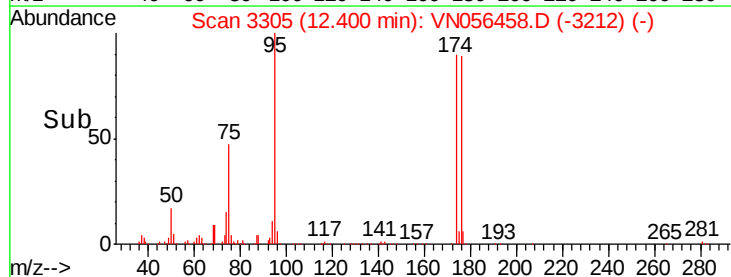
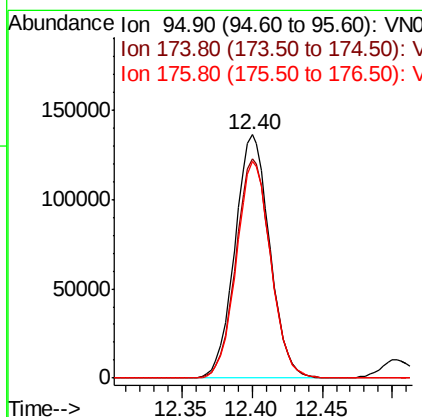
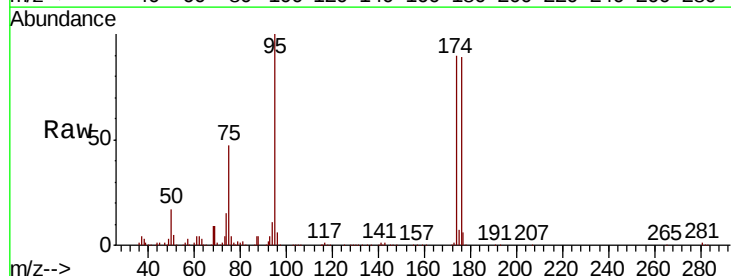
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

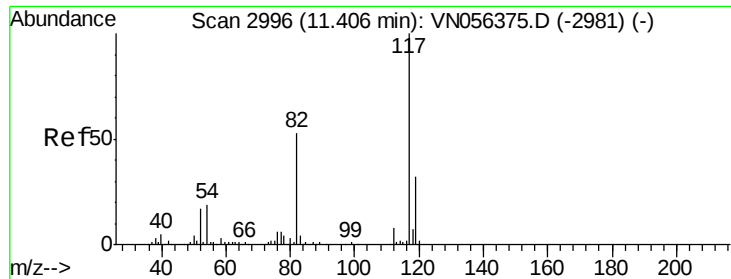
Tot Ion:107 Resp: 81007
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 48.078 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion: 95 Resp: 235764
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 179.4
 176 87.8 0.0 173.4

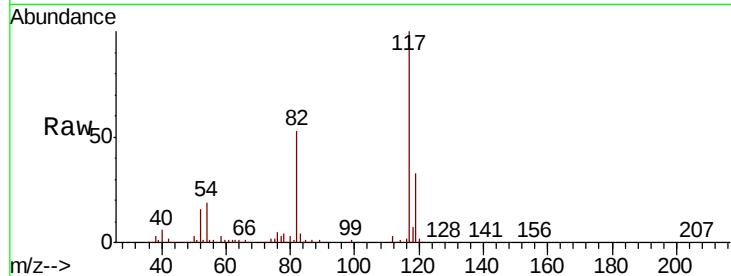




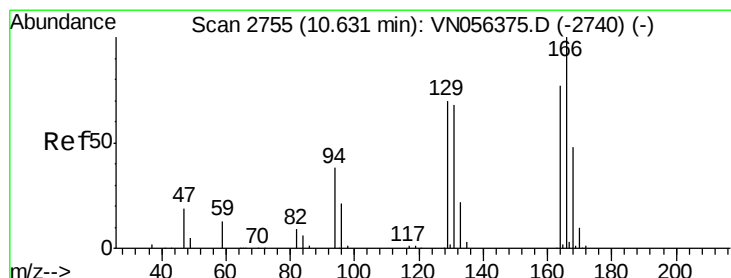
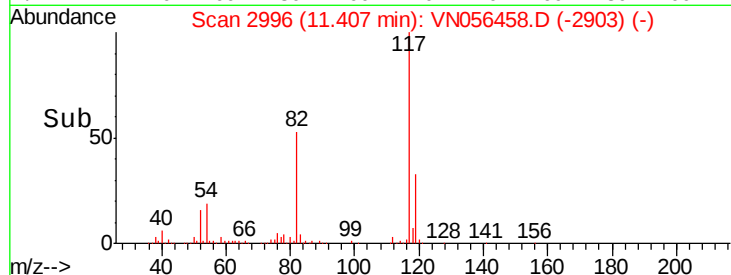
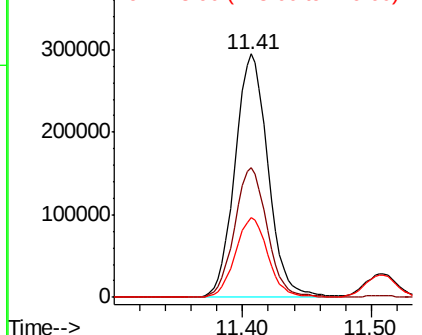
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion:117 Resp: 526379
Ion Ratio Lower Upper
117 100
82 53.3 42.0 63.0
119 32.6 25.3 37.9

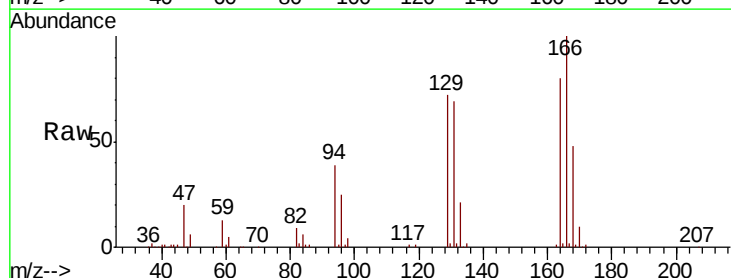


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

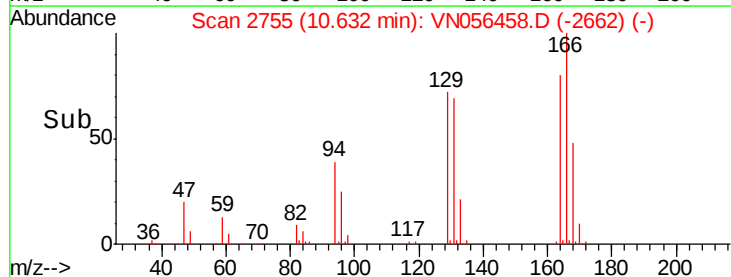
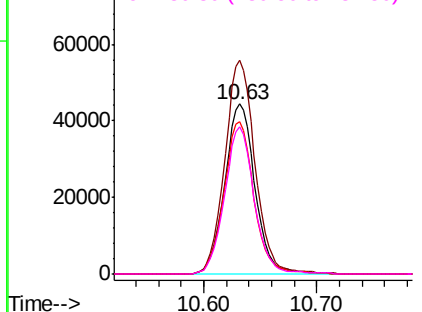


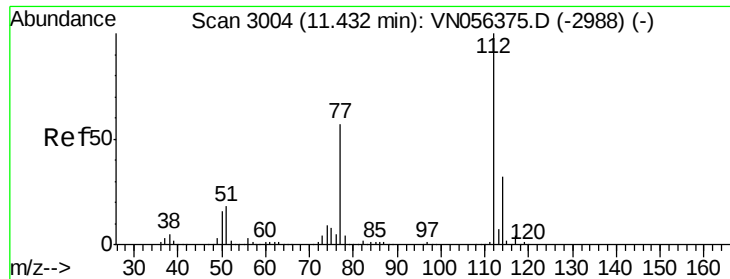
#64
Tetrachloroethene
Concen: 19.744 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion:164 Resp: 82302
Ion Ratio Lower Upper
164 100
166 125.8 103.4 155.0
129 89.9 72.0 108.0
131 86.6 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: 19.056 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

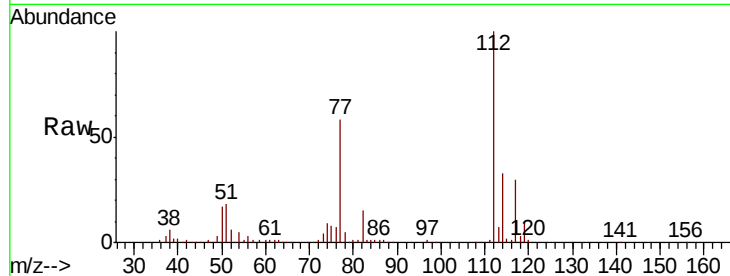
VN0624MBSD01

Tot Ion:112 Resp: 201555

Ion Ratio Lower Upper

112 100

114 32.9 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

120000

100000

80000

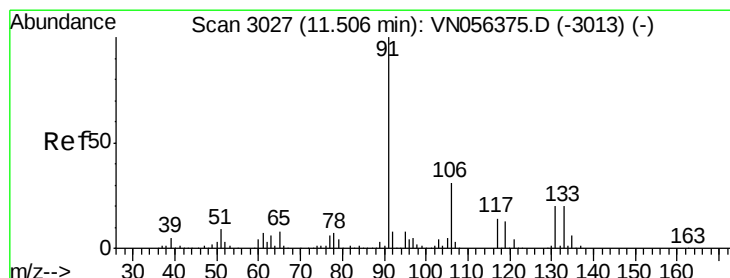
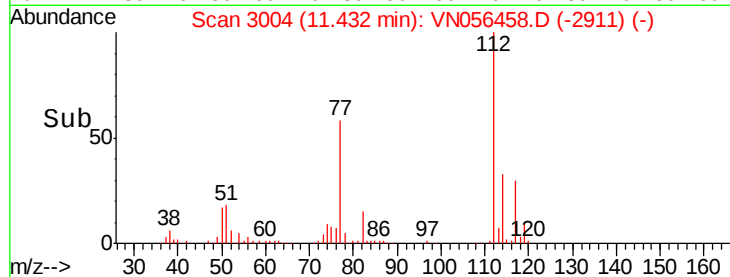
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.908 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

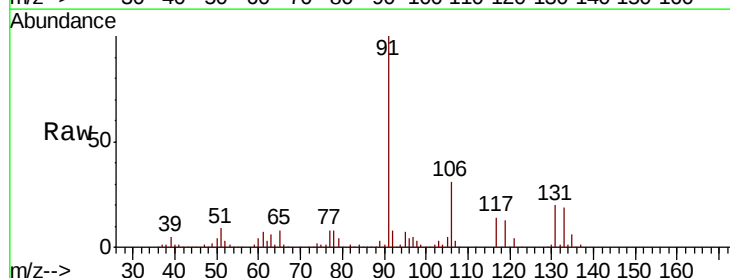
Tgt Ion:131 Resp: 71165

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.2

119 66.7 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

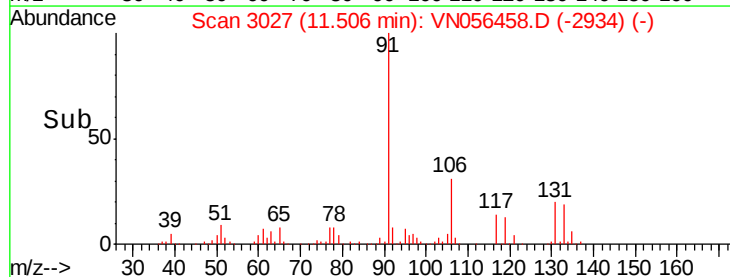
60000

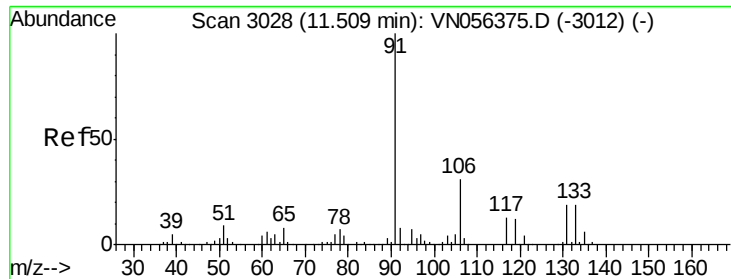
40000

20000

0

Time-->

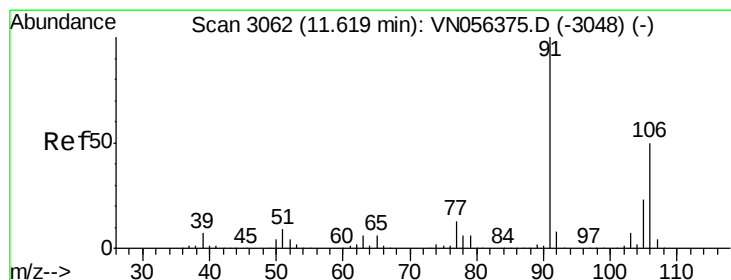
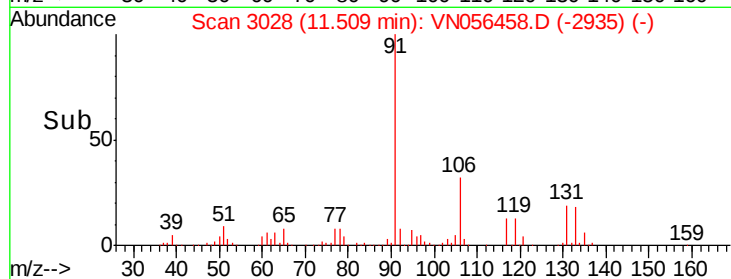
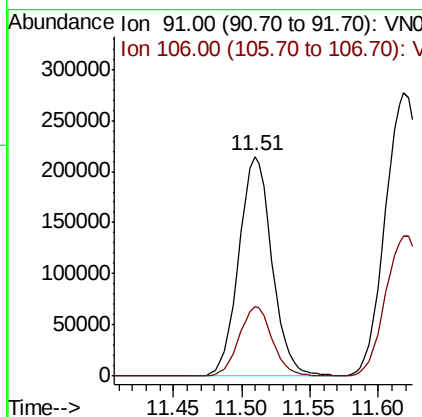
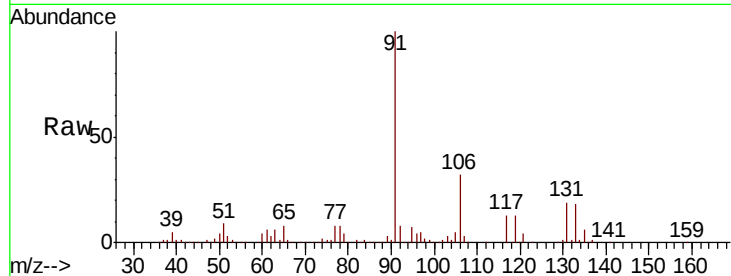




#67
Ethyl Benzene
Concen: 19.545 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

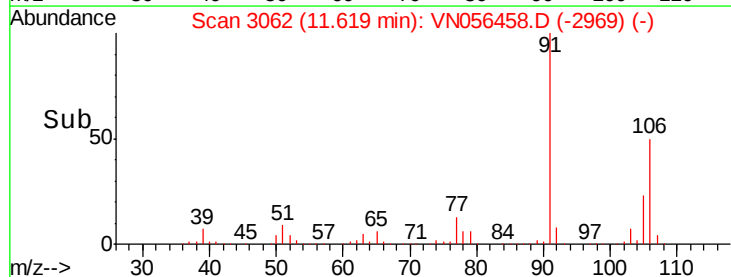
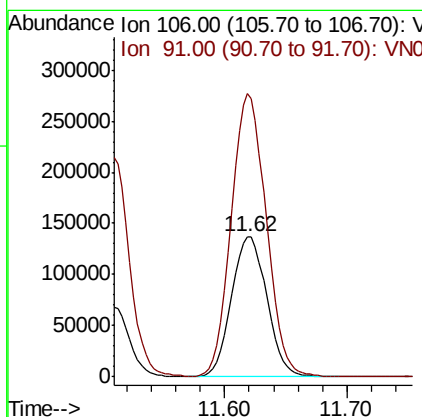
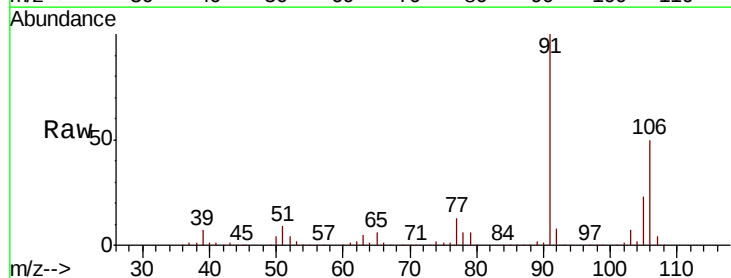
Instrument :
MSVOA_N
ClientSampled :
VN0624MBSD01

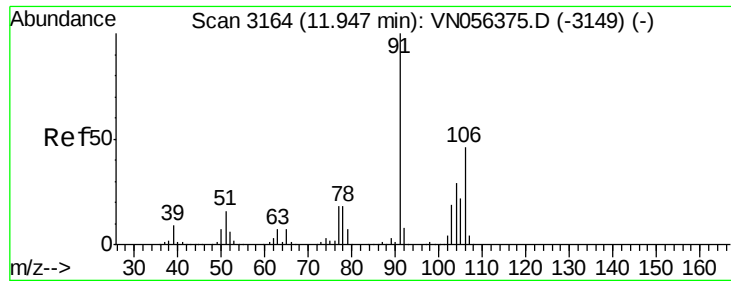
Tot Ion: 91 Resp: 362986
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 40.513 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 106 Resp: 275735
Ion Ratio Lower Upper
106 100
91 200.4 160.1 240.1

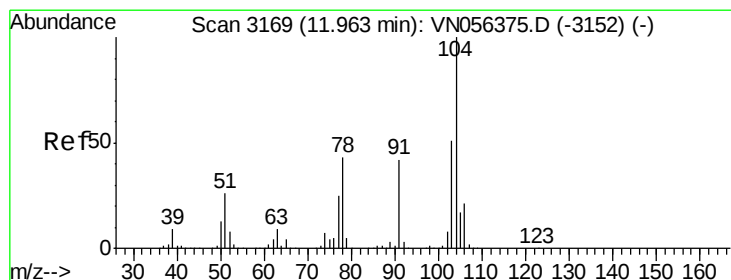
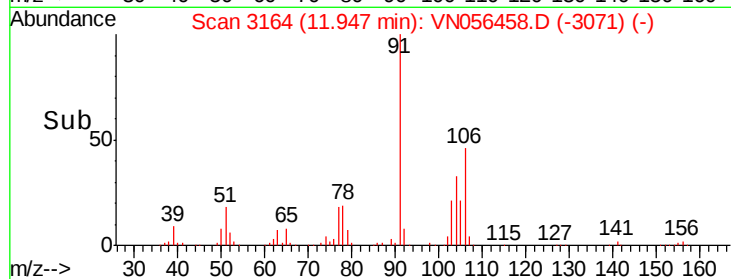
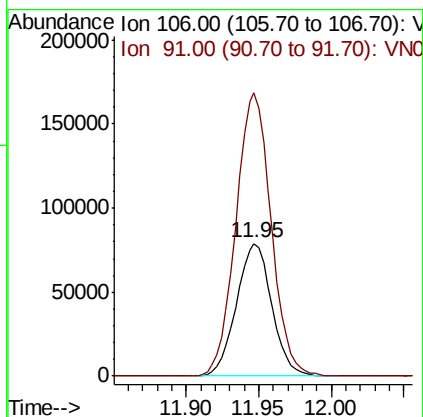
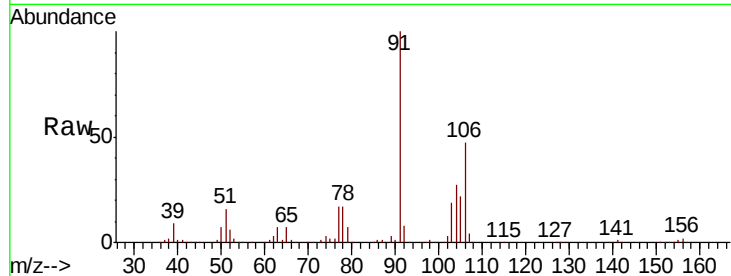




#69
o-Xylene
Concen: 19.801 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

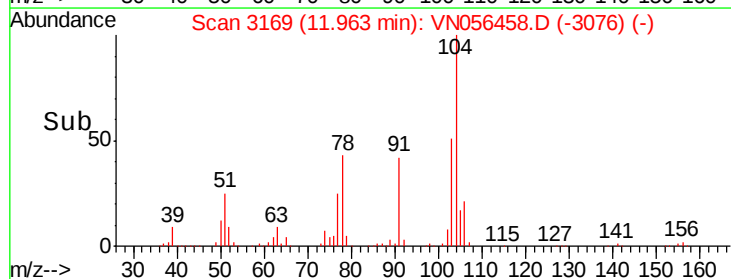
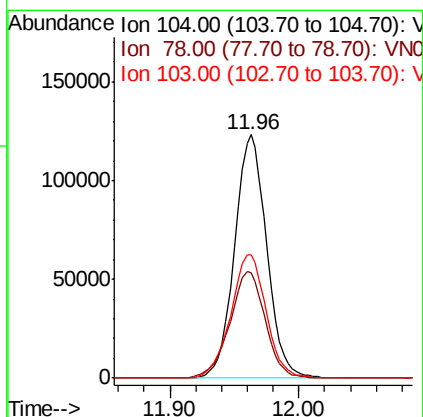
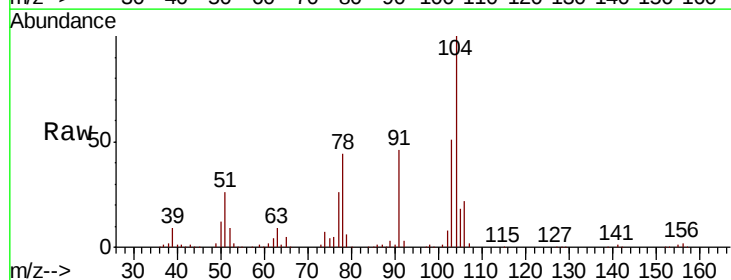
Instrument :
MSVOA_N
ClientSampled :
VN0624MBSD01

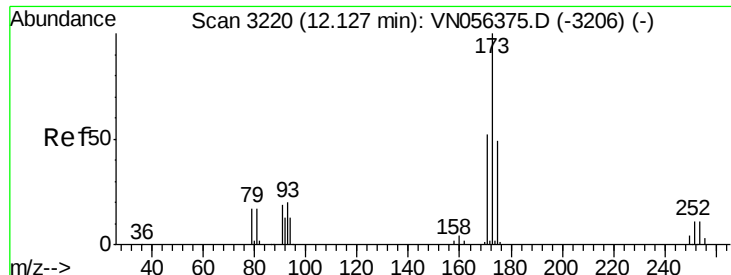
Tot Ion:106 Resp: 133330
Ion Ratio Lower Upper
106 100
91 213.7 107.1 321.3



#70
Styrene
Concen: 19.787 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion:104 Resp: 212960
Ion Ratio Lower Upper
104 100
78 48.3 38.6 57.8
103 55.9 43.9 65.9

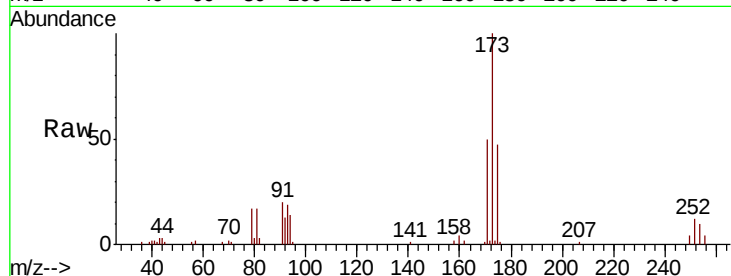




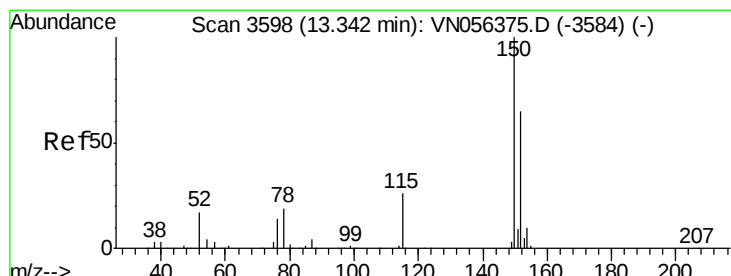
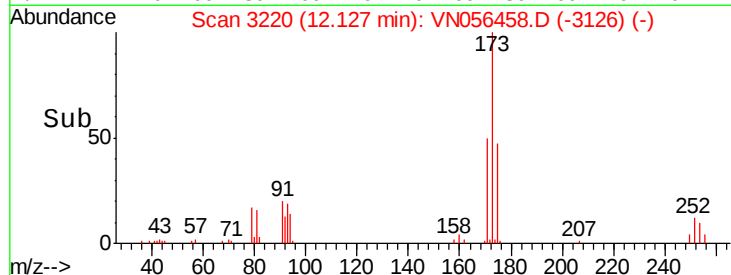
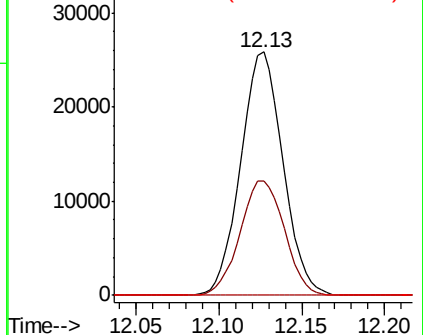
#71
Bromoform
Concen: 18.066 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion:173 Resp: 45923
Ion Ratio Lower Upper
173 100
175 49.3 24.4 73.4
254 0.0 0.0 0.0

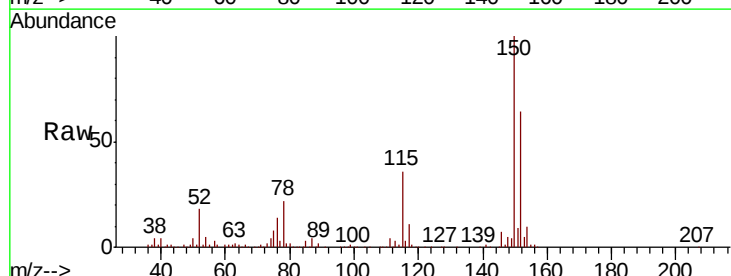


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

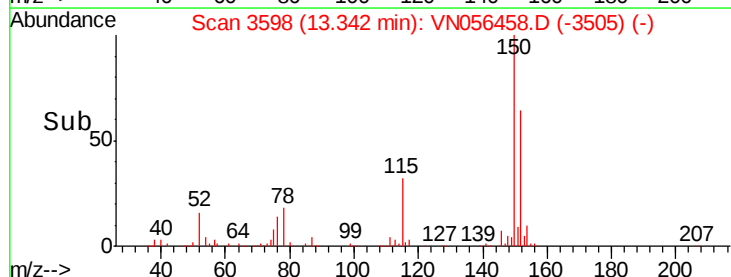
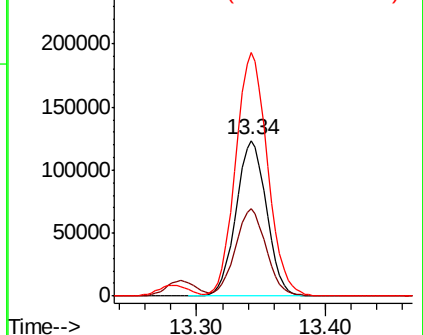


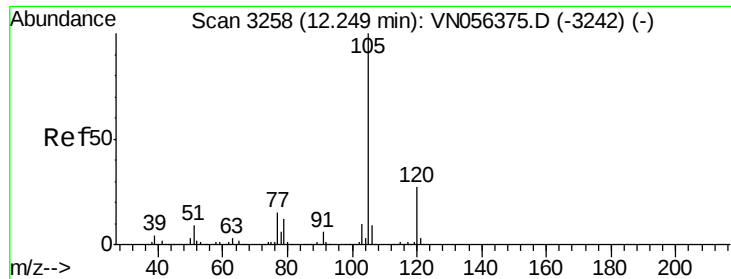
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion:152 Resp: 202755
Ion Ratio Lower Upper
152 100
115 56.0 28.1 84.4
150 163.6 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: 21.832 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

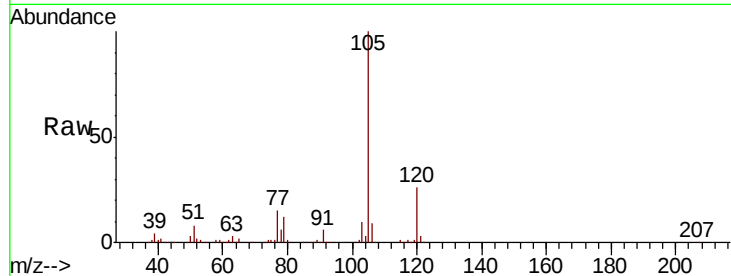
VN0624MBSD01

Tot Ion:105 Resp: 355542

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

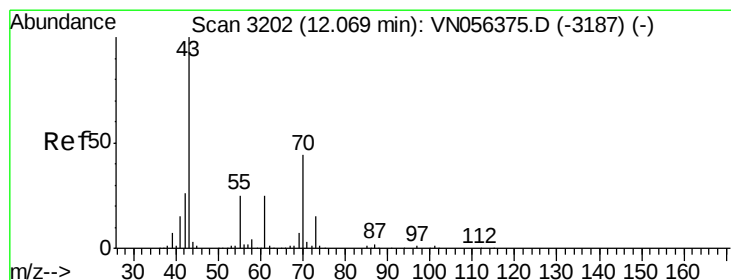
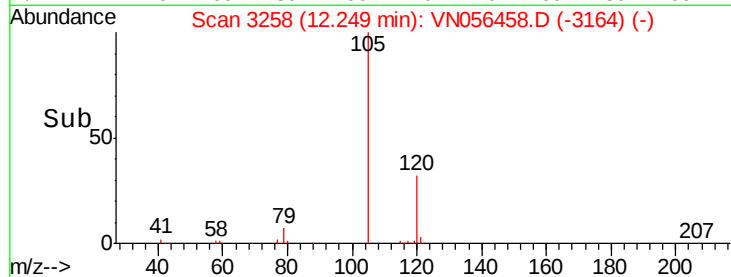
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.903 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Tgt Ion: 43 Resp: 128431

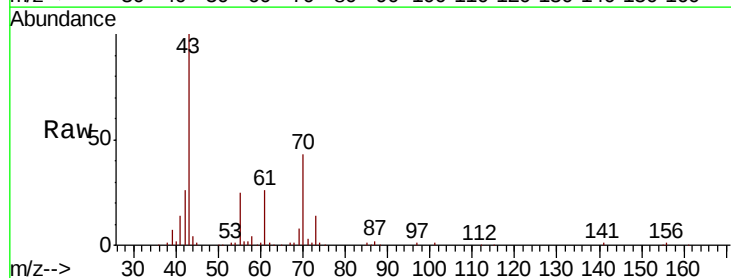
Ion Ratio Lower Upper

43 100

70 43.5 34.9 52.3

55 25.8 20.4 30.6

61 24.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

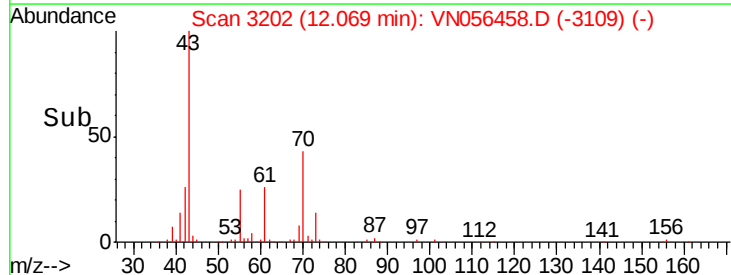
40000

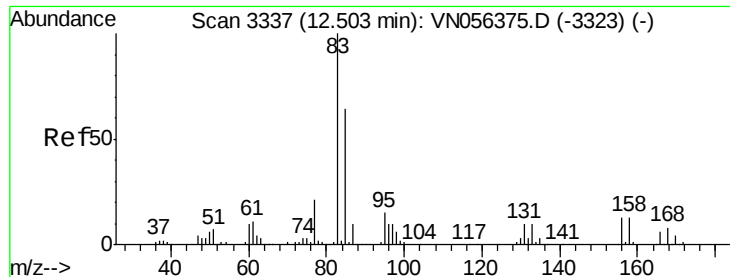
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.321 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

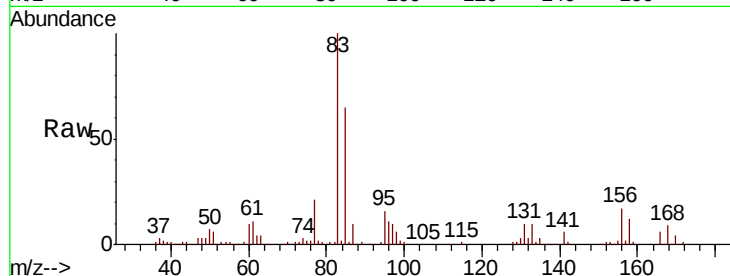
Tot Ion: 83 Resp: 108835

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

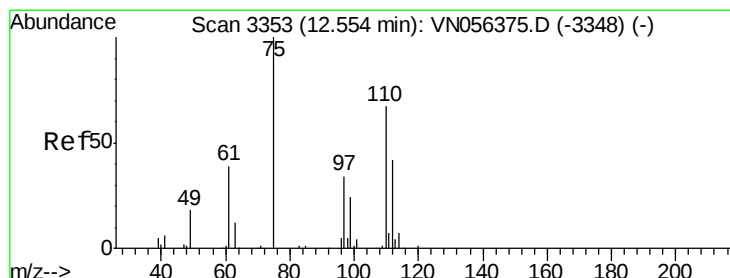
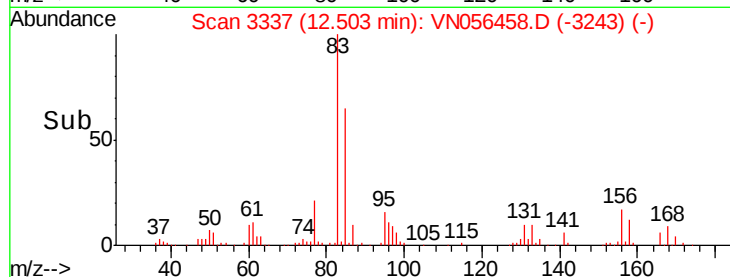
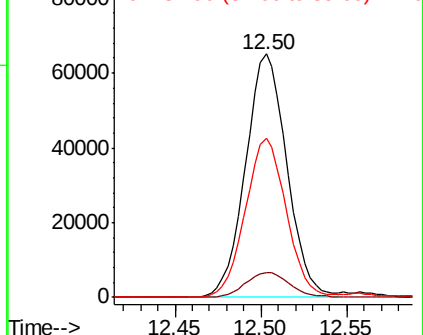
85 64.5 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.501 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056458.D

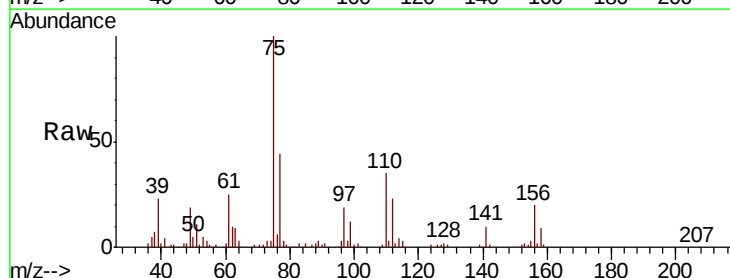
Acq: 24 Jun 2019 16:09

Tgt Ion: 75 Resp: 124028

Ion Ratio Lower Upper

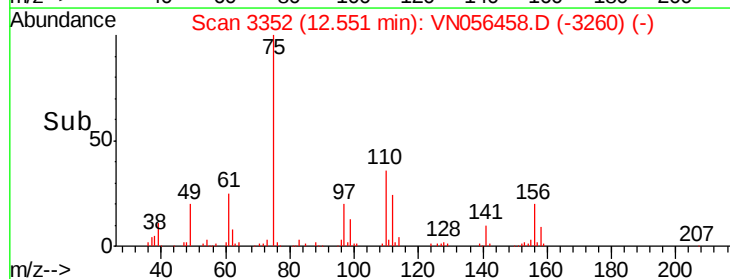
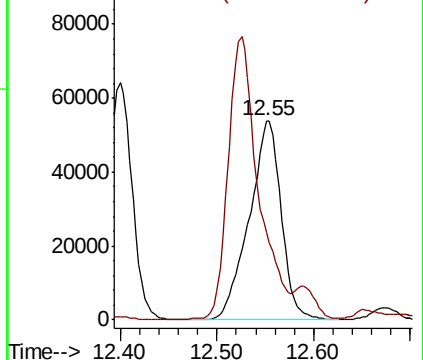
75 100

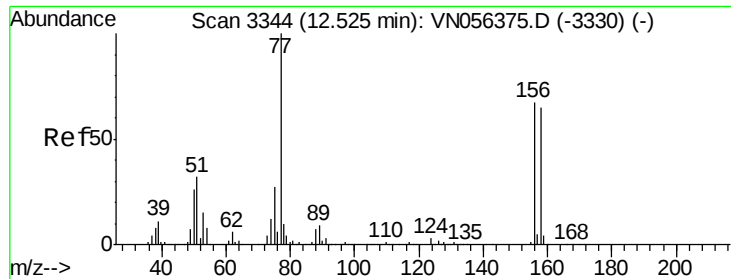
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 28.779 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

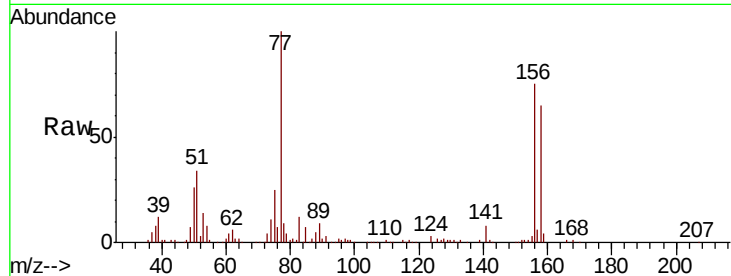
Tot Ion:156 Resp: 130471

Ion Ratio Lower Upper

156 100

77 128.7 92.5 277.3

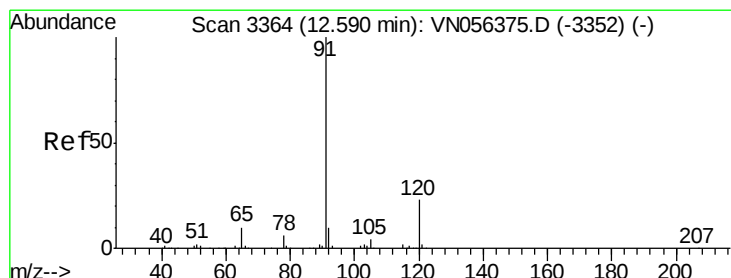
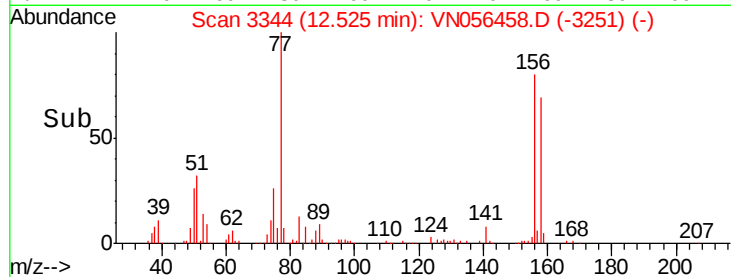
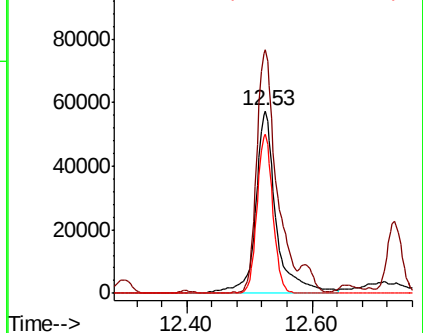
158 66.9 48.7 146.1



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: 20.298 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056458.D

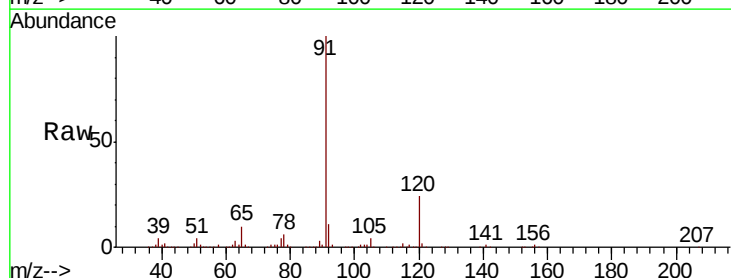
Acq: 24 Jun 2019 16:09

Tgt Ion: 91 Resp: 376876

Ion Ratio Lower Upper

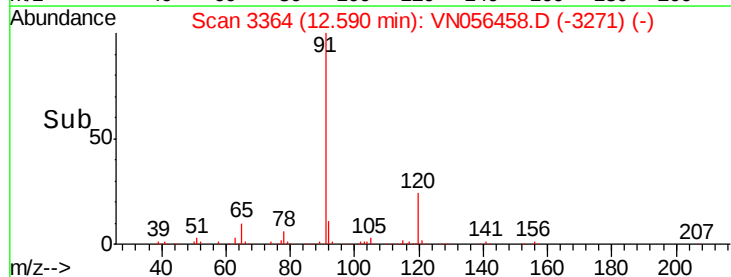
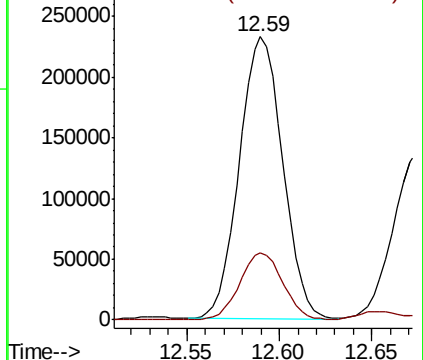
91 100

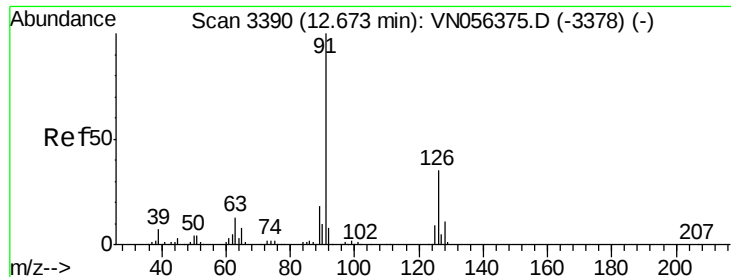
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

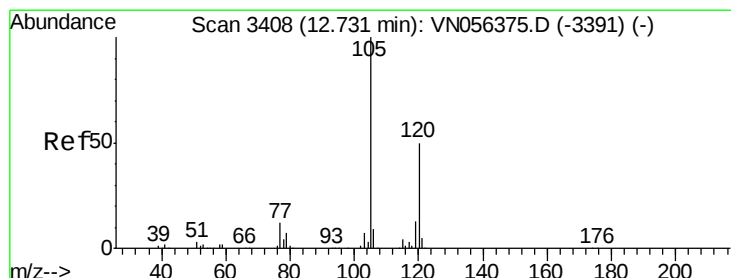
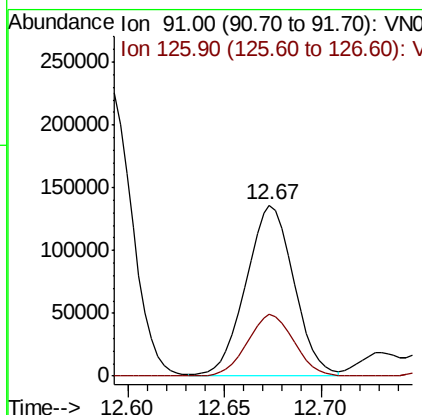
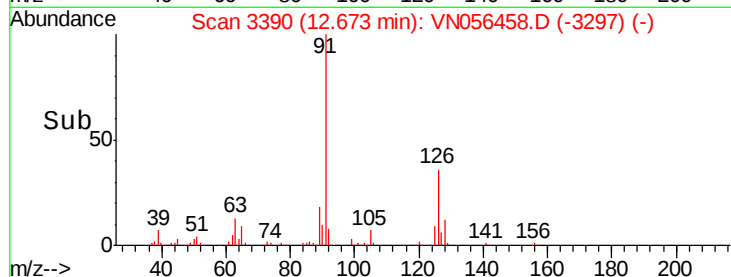
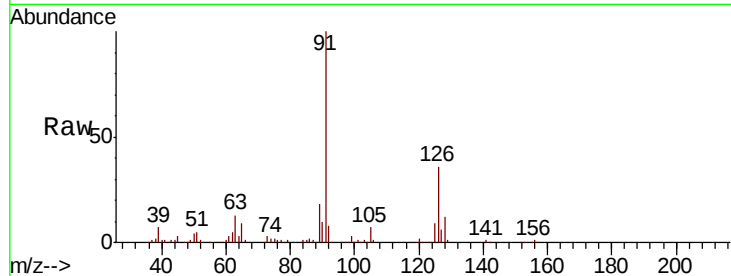




#79
 2-Chlorotoluene
 Concen: 21.373 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

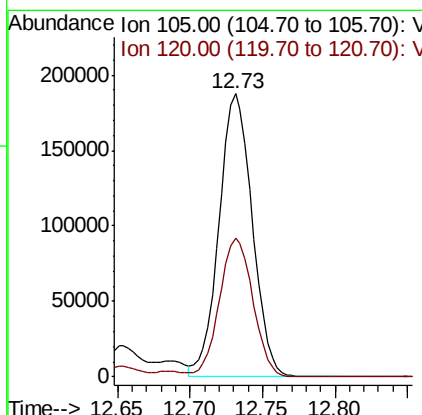
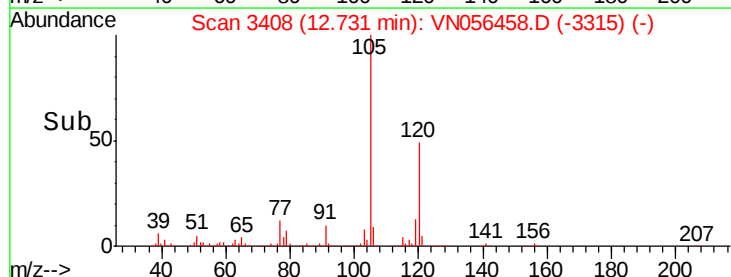
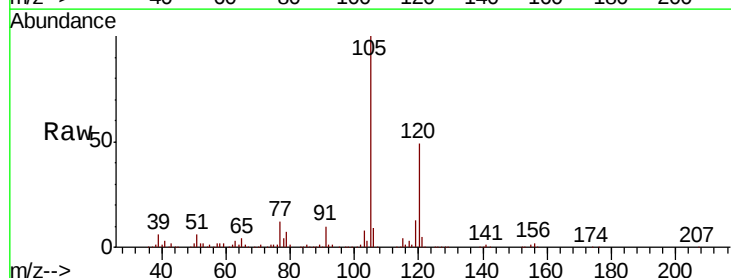
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

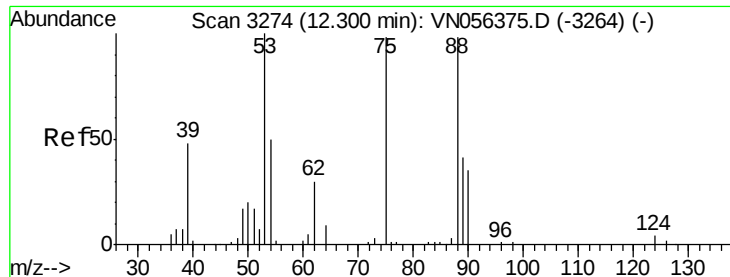
Tot Ion: 91 Resp: 232353
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.225 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion: 105 Resp: 299610
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.337 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampled :

VN0624MBSD01

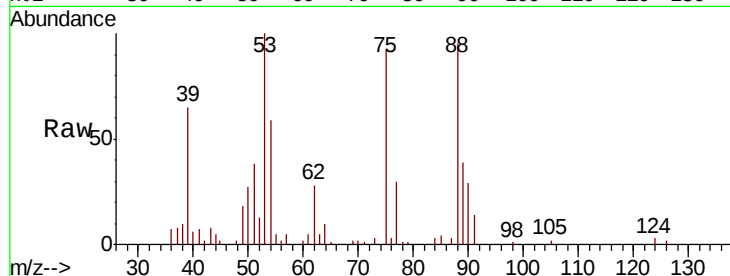
Tot Ion: 75 Resp: 22873

Ion Ratio Lower Upper

75 100

53 107.7 83.9 125.9

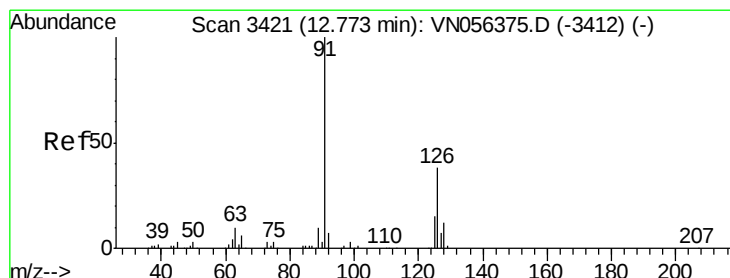
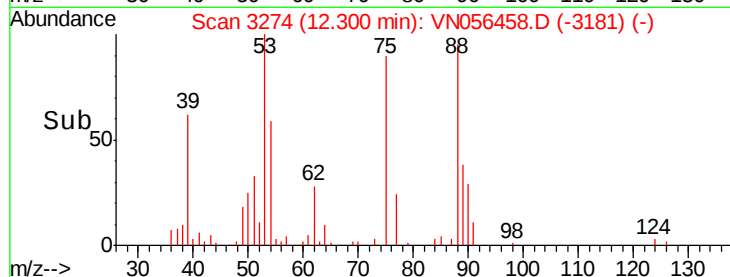
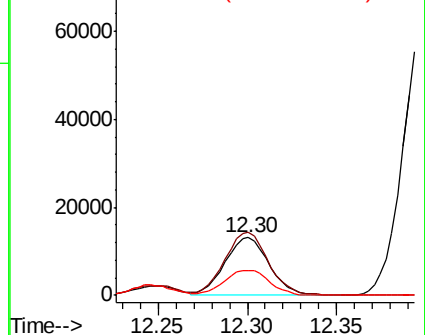
89 44.0 35.0 52.6



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: 19.559 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056458.D

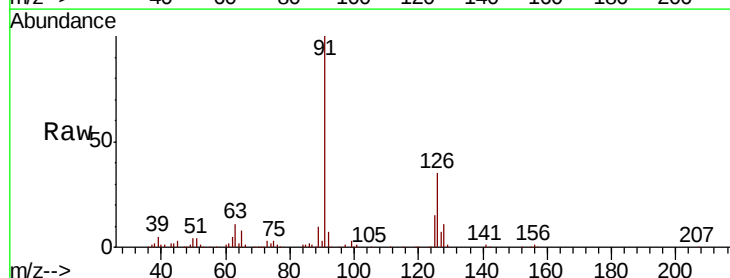
Acq: 24 Jun 2019 16:09

Tgt Ion: 91 Resp: 214425

Ion Ratio Lower Upper

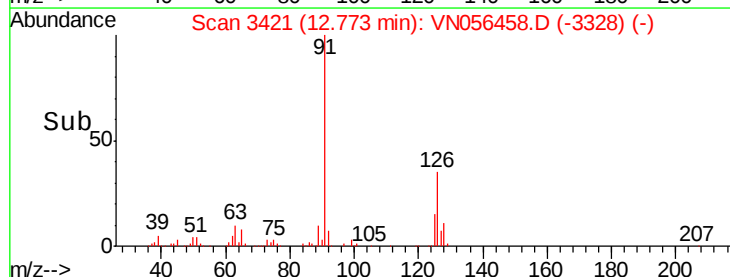
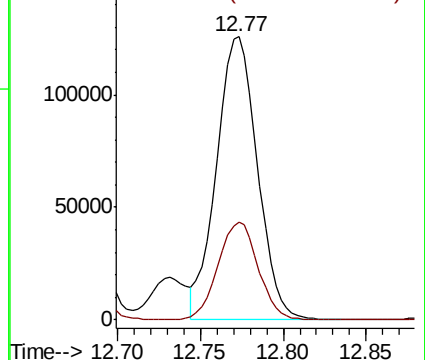
91 100

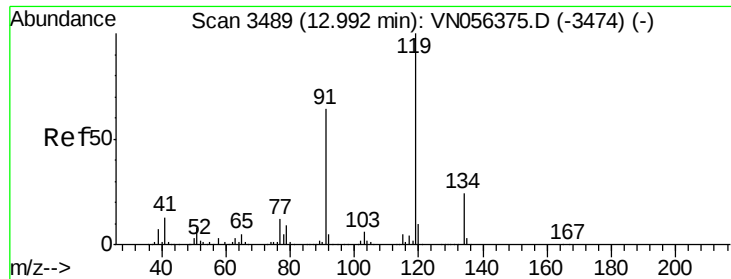
126 34.1 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

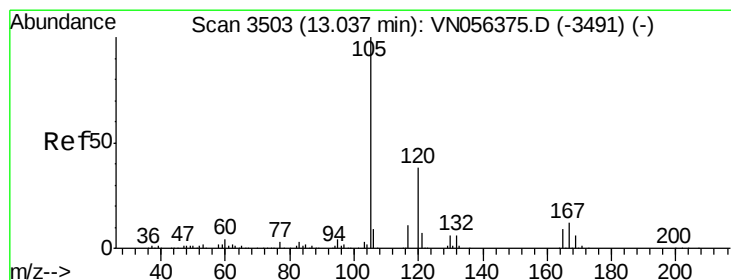
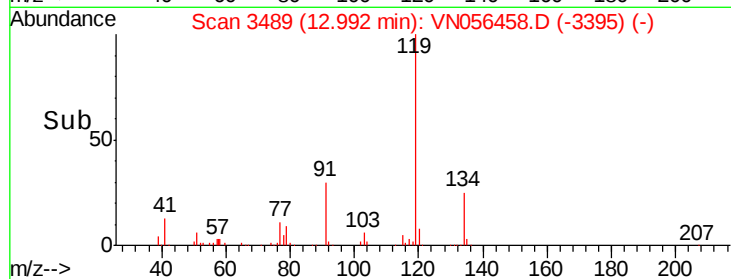
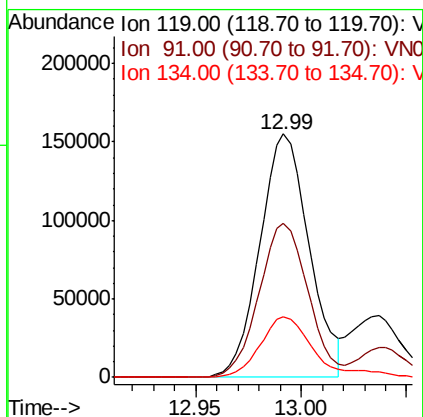
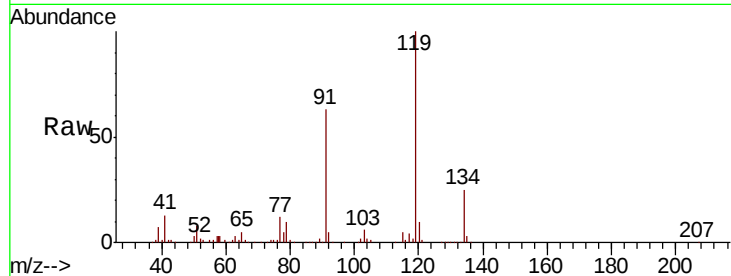




#83
tert-Butylbenzene
Concen: 21.147 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

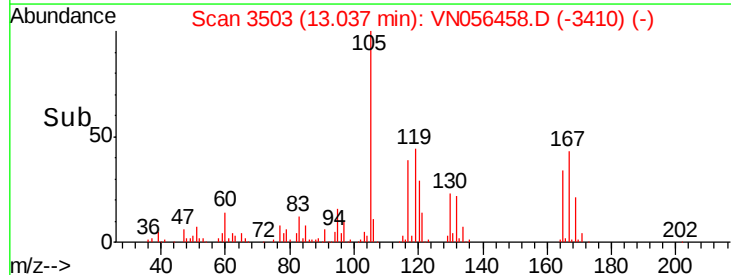
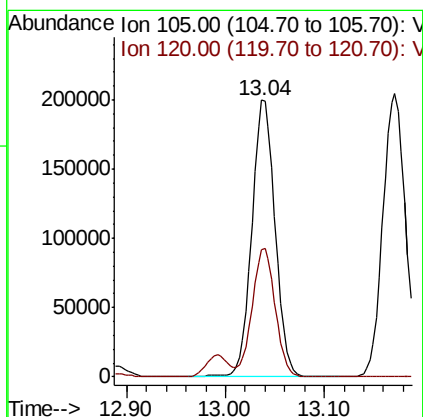
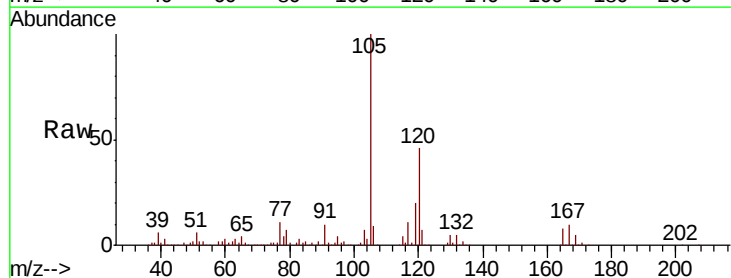
Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

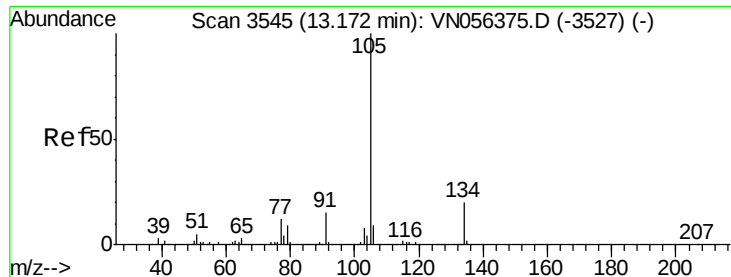
Tot Ion:119 Resp: 252842
Ion Ratio Lower Upper
119 100
91 63.1 31.6 94.7
134 27.3 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 23.733 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion:105 Resp: 323939
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.8

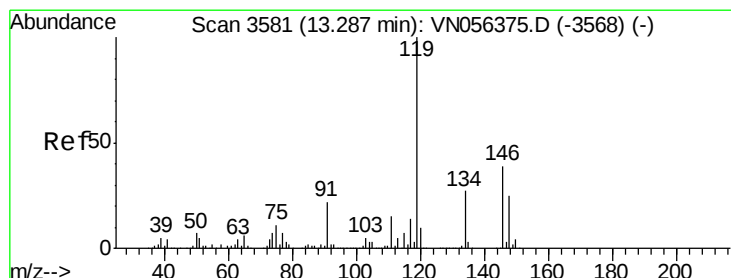
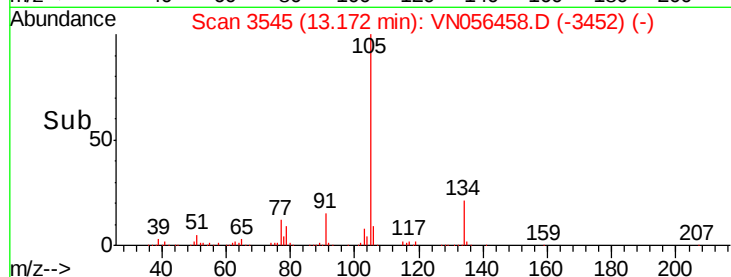
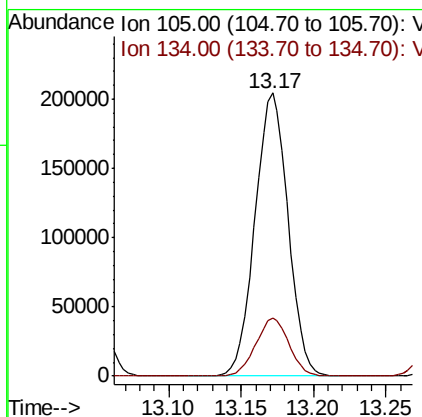
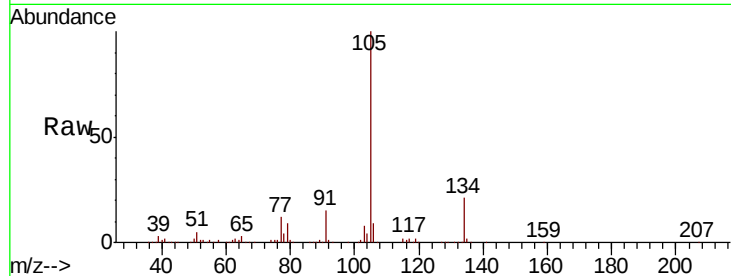




#85
 sec-Butylbenzene
 Concen: 19.911 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

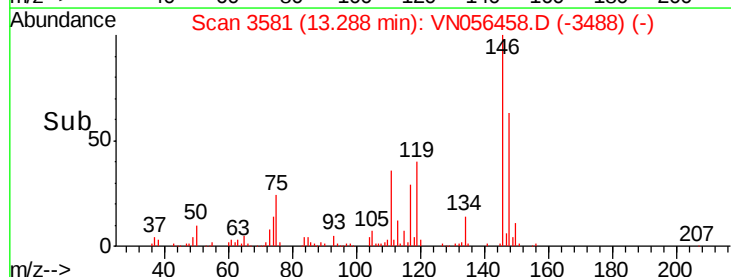
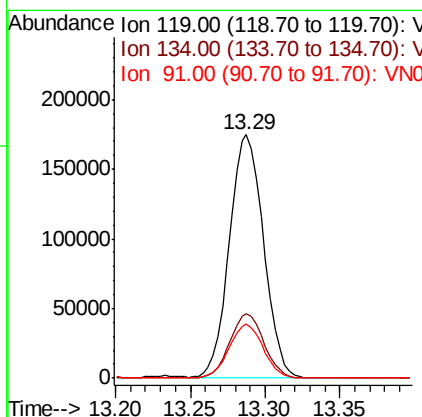
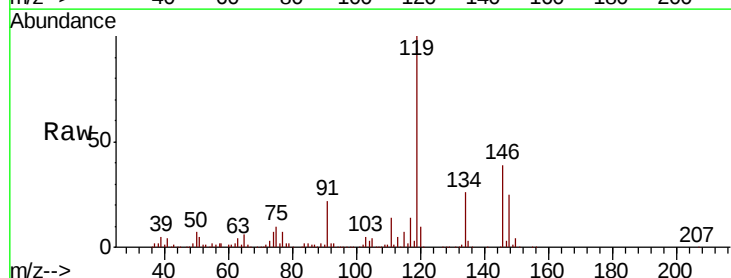
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

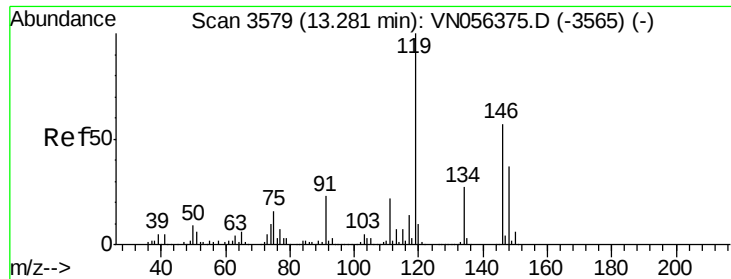
Tot Ion:105 Resp: 324949
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.813 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion:119 Resp: 277496
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.4
 91 21.8 11.2 33.5

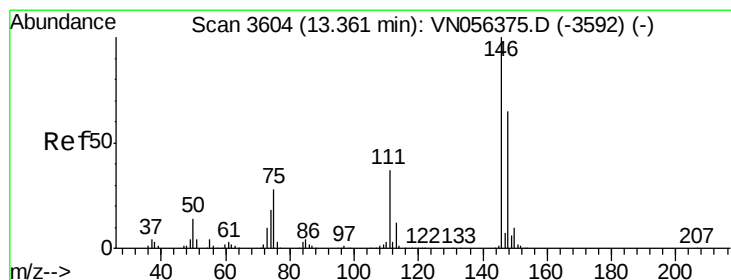
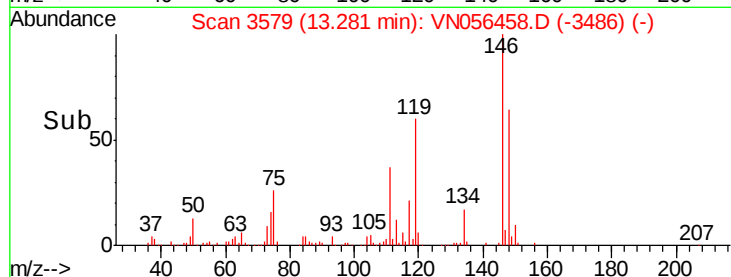
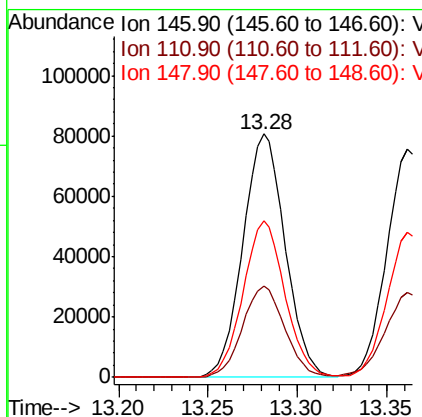
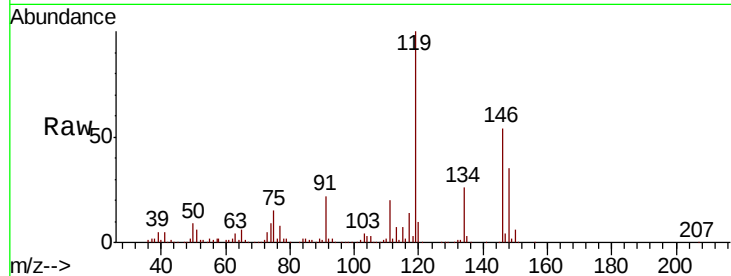




#87
 1,3-Dichlorobenzene
 Concen: 19.496 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

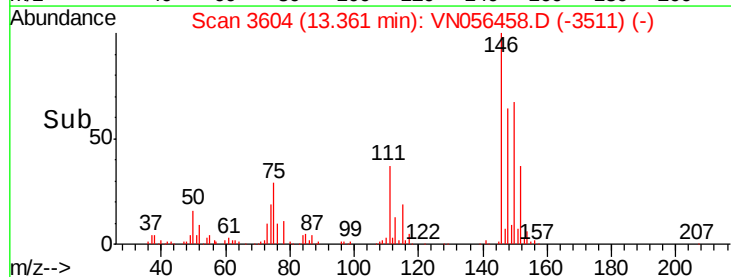
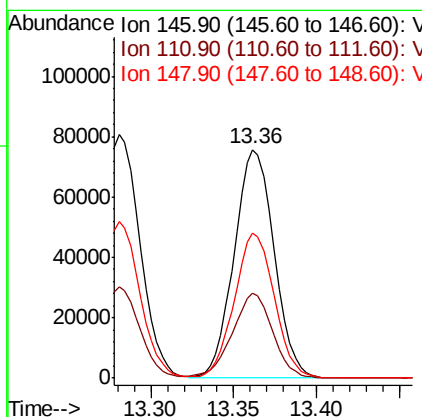
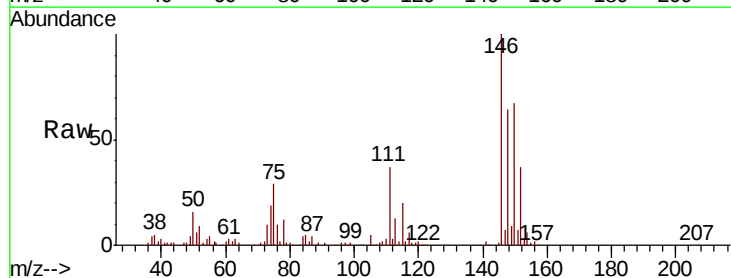
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

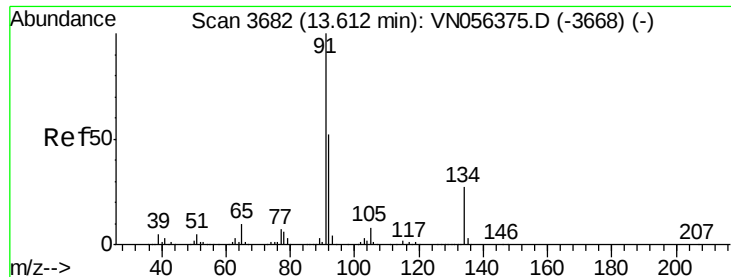
Tot Ion:146 Resp: 133946
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.9 56.9
 148 63.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.111 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056458.D
 Acq: 24 Jun 2019 16:09

Tgt Ion:146 Resp: 127160
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.4 55.4
 148 63.4 32.4 97.0

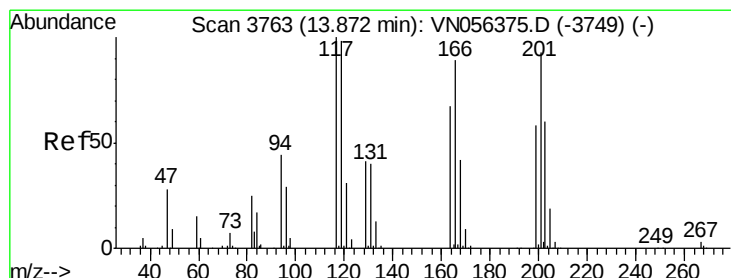
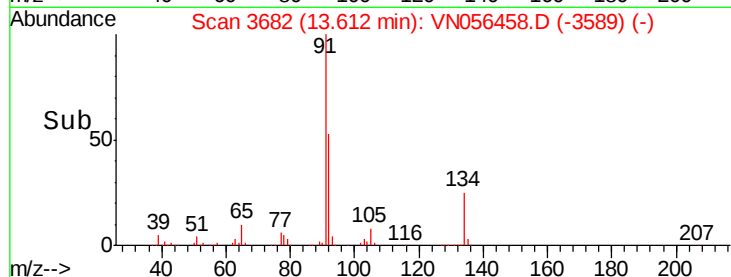
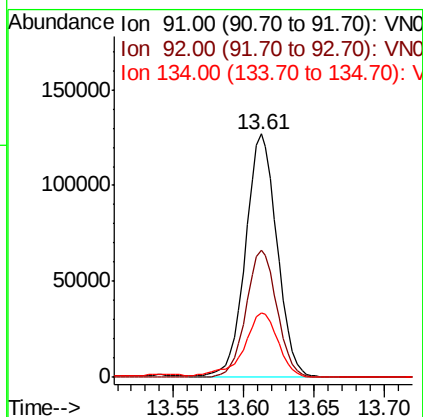
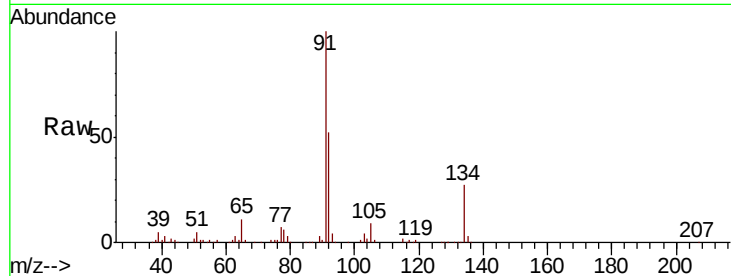




#89
n-Butylbenzene
Concen: 18.592 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

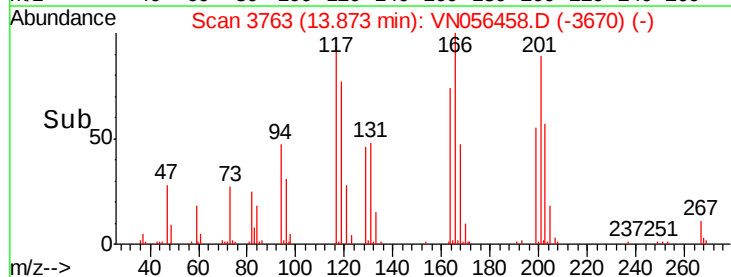
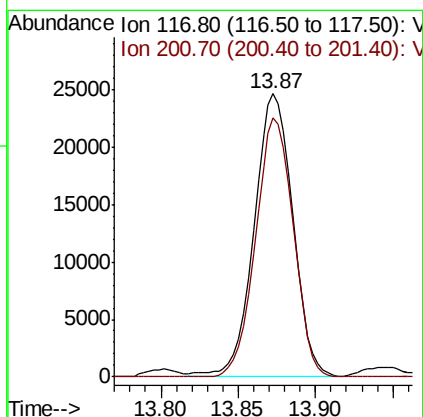
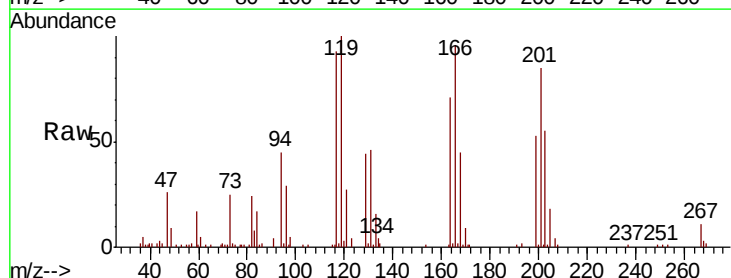
Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

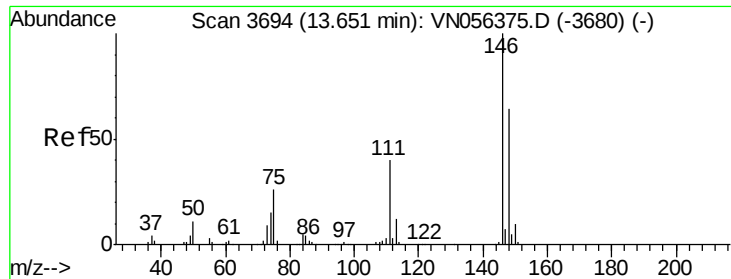
Tot Ion: 91 Resp: 197129
Ion Ratio Lower Upper
91 100
92 51.7 26.2 78.5
134 29.1 13.4 40.2



#90
Hexachloroethane
Concen: 19.669 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion: 117 Resp: 42947
Ion Ratio Lower Upper
117 100
201 89.0 45.9 137.6





#91

1,2-Dichlorobenzene

Concen: 19.818 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

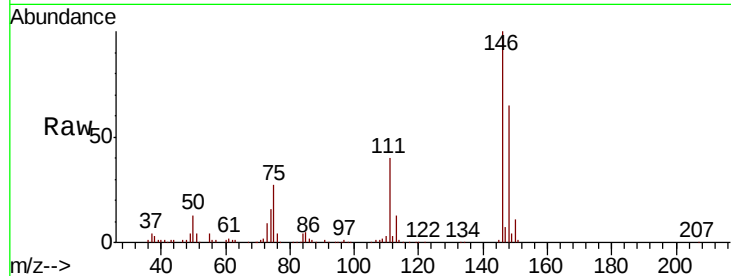
Tot Ion:146 Resp: 135087

Ion Ratio Lower Upper

146 100

111 39.6 19.3 57.9

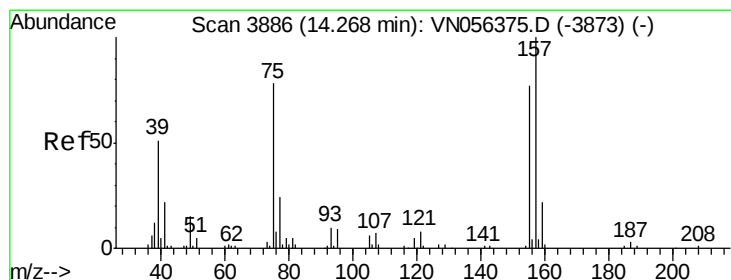
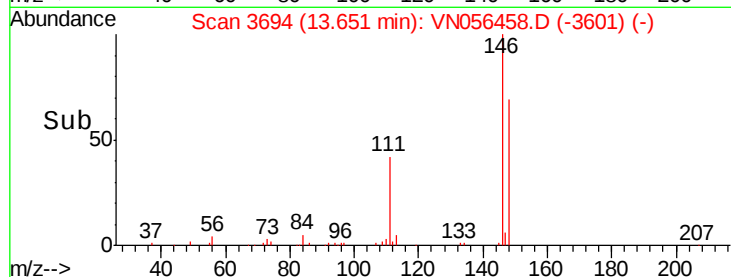
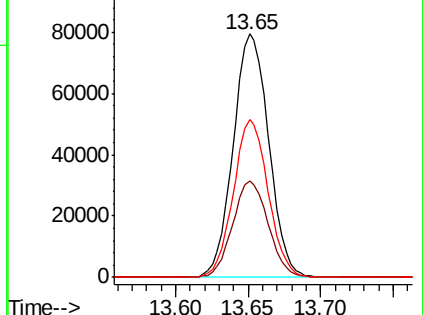
148 63.3 32.0 96.0



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: 18.865 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

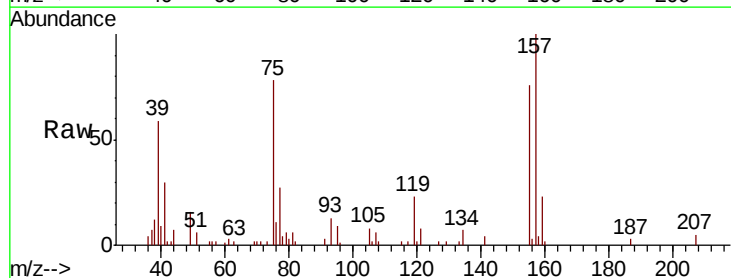
Tgt Ion: 75 Resp: 14153

Ion Ratio Lower Upper

75 100

155 96.3 48.9 146.8

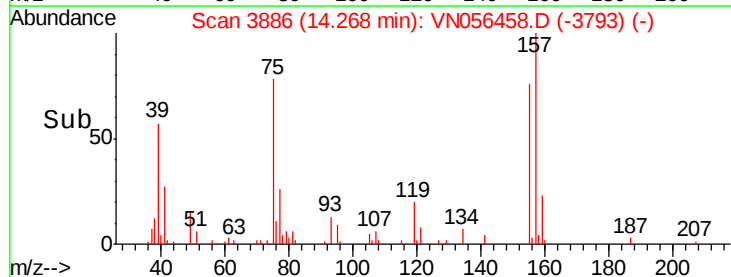
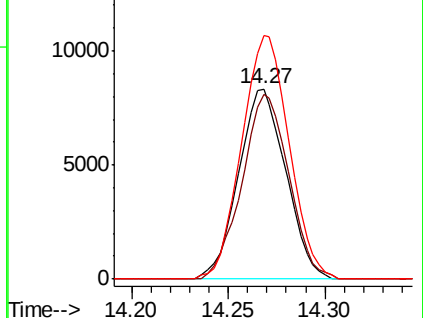
157 128.7 62.9 188.8

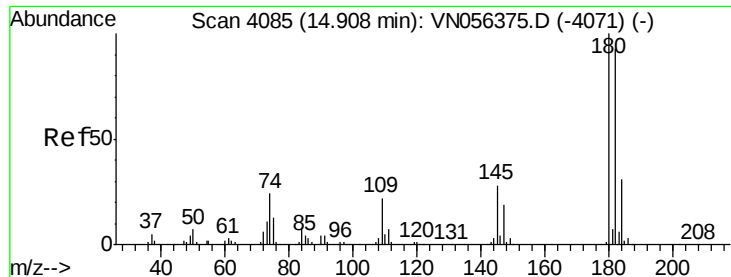


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 17.633 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBSD01

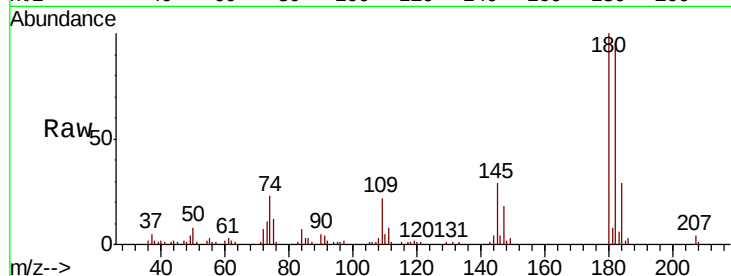
Tot Ion:180 Resp: 48059

Ion Ratio Lower Upper

180 100

182 97.6 46.9 140.6

145 31.1 14.4 43.0

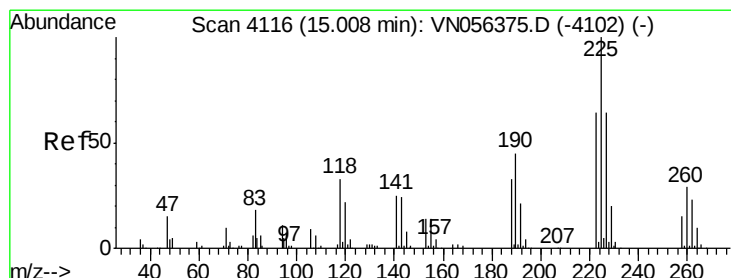
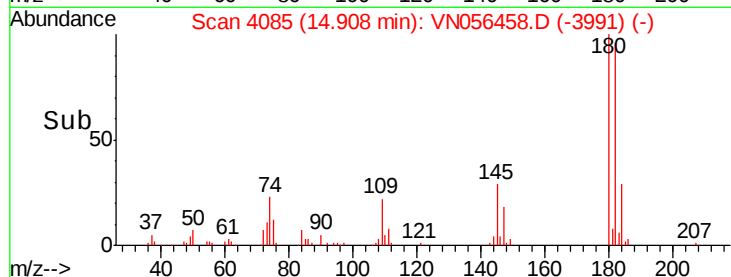
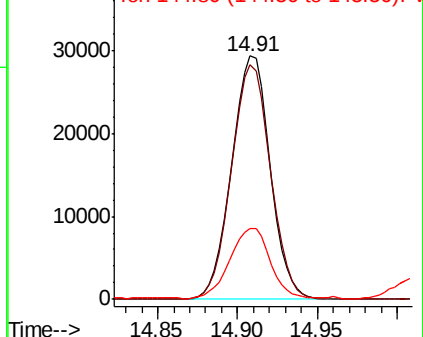


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.447 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056458.D

Acq: 24 Jun 2019 16:09

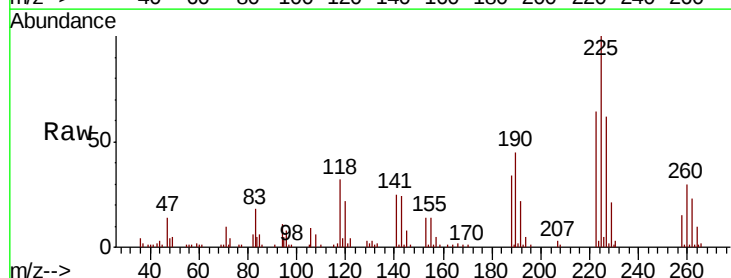
Tgt Ion:225 Resp: 49798

Ion Ratio Lower Upper

225 100

223 62.9 31.4 94.3

227 63.5 32.1 96.3

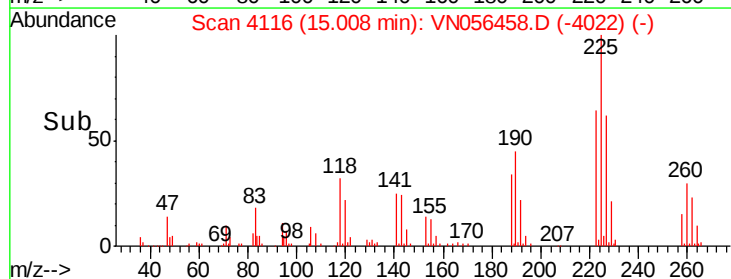
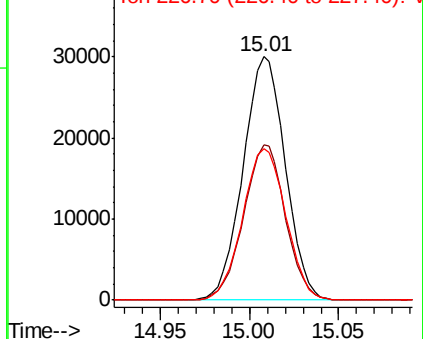


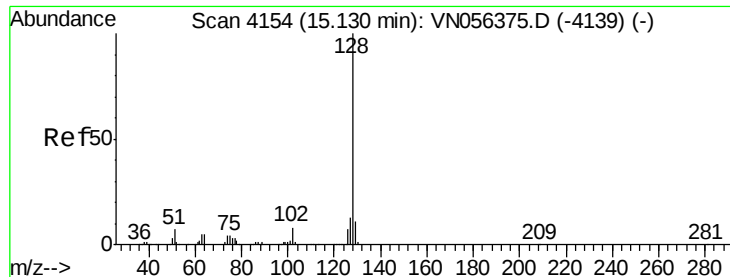
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

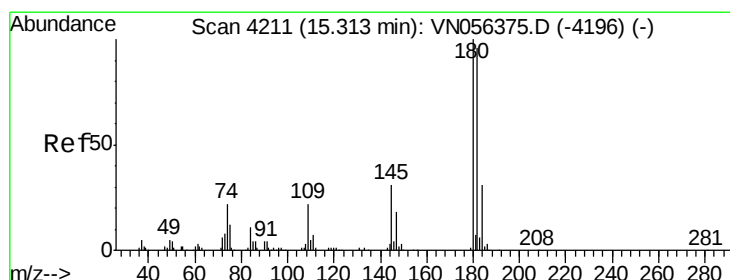
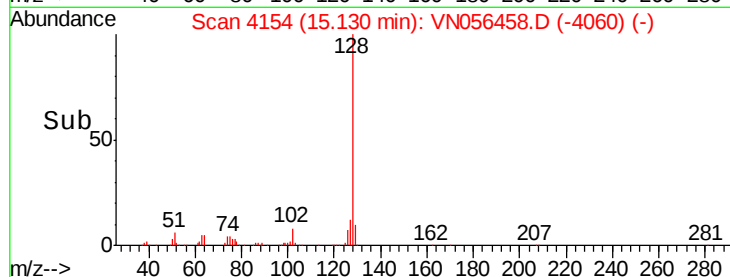
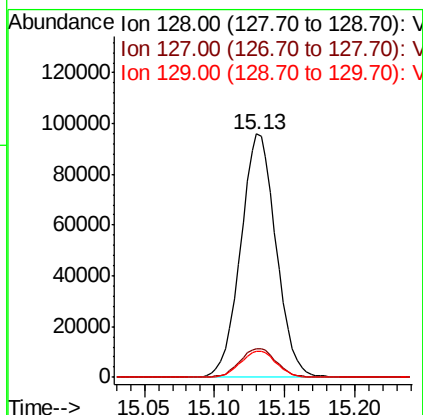
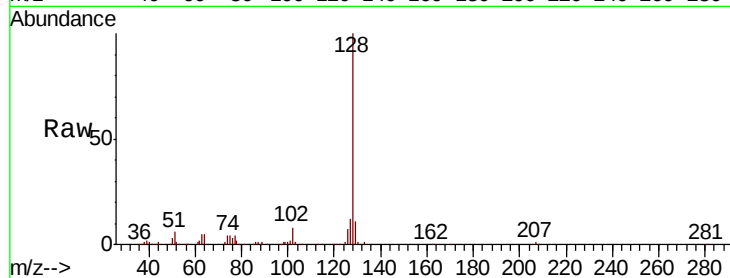




#95
Naphthalene
Concen: 21.483 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBSD01

Tot Ion:128 Resp: 168307
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.822 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056458.D
Acq: 24 Jun 2019 16:09

Tgt Ion:180 Resp: 57942
Ion Ratio Lower Upper
180 100
182 94.2 48.3 144.8
145 32.4 15.4 46.1

