

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056431.D
 Acq On : 21 Jun 2019 17:13
 Operator : JC/SP
 Sample : VN0621WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Quant Time: Jun 22 01:47:40 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	376922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	594248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194110	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	217817	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
35) Dibromofluoromethane	7.59	113	186280	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	10.09	98	715075	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	233829	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	64386	20.174	ug/l	99
3) Chloromethane	2.06	50	83334	19.176	ug/l	100
4) Vinyl Chloride	2.18	62	85684	20.414	ug/l	98
5) Bromomethane	2.53	94	51435	20.903	ug/l	98
6) Chloroethane	2.68	64	49172	20.230	ug/l	98
7) Trichlorofluoromethane	3.00	101	111070	20.457	ug/l	98
8) Diethyl Ether	3.41	74	48559	21.133	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68979	19.922	ug/l	98
10) Methyl Iodide	3.95	142	92320	19.728	ug/l	99
11) Tert butyl alcohol	4.80	59	66262	94.177	ug/l	96
12) 1,1-Dichloroethene	3.73	96	68236	20.493	ug/l	96
13) Acrolein	3.60	56	49451	83.391	ug/l	100
14) Allyl chloride	4.32	41	111176	20.058	ug/l	99
15) Acrylonitrile	4.99	53	203900	104.753	ug/l	99
16) Acetone	3.82	43	188452	90.041	ug/l	99
17) Carbon Disulfide	4.05	76	133001	17.562	ug/l	99
18) Methyl Acetate	4.32	43	91394	21.806	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	232379	21.091	ug/l	100
20) Methylene Chloride	4.55	84	83854	20.732	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	71715	19.977	ug/l	96
22) Diisopropyl ether	5.95	45	244173	20.976	ug/l	97
23) Vinyl Acetate	5.90	43	982152	106.975	ug/l	100
24) 1,1-Dichloroethane	5.85	63	139367	20.857	ug/l	98
25) 2-Butanone	6.84	43	275649	99.510	ug/l	97
26) 2,2-Dichloropropane	6.82	77	89269	19.209	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	86777	20.661	ug/l	99
28) Bromochloromethane	7.19	49	68525	20.733	ug/l	97
29) Tetrahydrofuran	7.21	42	180404	106.572	ug/l	99
30) Chloroform	7.37	83	137997	20.929	ug/l	98
31) Cyclohexane	7.65	56	127359	19.743	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	107505	20.570	ug/l	99
36) 1,1-Dichloropropene	7.79	75	100554	19.225	ug/l	98
37) Ethyl Acetate	6.93	43	109926	21.386	ug/l	99
38) Carbon Tetrachloride	7.77	117	87782	19.192	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	122287	18.948	ug/l	100
40) Benzene	8.04	78	318105	19.772	ug/l	100
41) Methacrylonitrile	7.18	41	52772	23.250	ug/l #	85
42) 1,2-Dichloroethane	8.12	62	107437	20.234	ug/l	99
43) Isopropyl Acetate	8.17	43	163223	20.593	ug/l #	92
44) Trichloroethene	8.83	130	86433	19.943	ug/l	98
45) 1,2-Dichloropropane	9.12	63	87922	20.434	ug/l	99
46) Dibromomethane	9.21	93	55949	20.784	ug/l	99
47) Bromodichloromethane	9.40	83	94911	19.879	ug/l	99
48) Methyl methacrylate	9.20	41	82642	20.807	ug/l	96
49) 1,4-Dioxane	9.20	88	30953	375.528	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	528404	103.290	ug/l	100
52) Toluene	10.16	92	198461	20.176	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	96451	19.233	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	116363	20.239	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	82036	20.749	ug/l	98
56) Ethyl methacrylate	10.43	69	120222	20.806	ug/l	98
57) 1,3-Dichloropropane	10.71	76	135964	20.470	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	200120	96.405	ug/l	100
59) 2-Hexanone	10.75	43	372223	98.998	ug/l	100
60) Dibromochloromethane	10.90	129	71558	19.151	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83684	20.723	ug/l	99
64) Tetrachloroethene	10.63	164	85816	21.073	ug/l	98
65) Chlorobenzene	11.43	112	206066	19.943	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	71400	20.446	ug/l	97
67) Ethyl Benzene	11.51	91	365296	20.135	ug/l	100
68) m/p-Xylenes	11.62	106	270090	40.622	ug/l	99
69) o-Xylene	11.95	106	134482	20.444	ug/l	100
70) Styrene	11.96	104	217163	20.654	ug/l	100
71) Bromoform	12.13	173	47855	19.061	ug/l #	98
73) Isopropylbenzene	12.25	105	356342	22.989	ug/l	99
74) N-amyl acetate	12.07	43	128760	20.843	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	112877	23.371	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	126100	31.330	ug/l #	100
77) Bromobenzene	12.53	156	91682	21.123	ug/l	99
78) n-propylbenzene	12.59	91	369575	20.791	ug/l	100
79) 2-Chlorotoluene	12.67	91	231625	22.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	289707	22.471	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21927	19.362	ug/l	92
82) 4-Chlorotoluene	12.77	91	210766	20.081	ug/l	98
83) tert-Butylbenzene	12.99	119	263527	23.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	270774	20.721	ug/l	99
85) sec-Butylbenzene	13.17	105	329077	21.062	ug/l	100
86) p-Isopropyltoluene	13.29	119	280671	20.932	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	133022	20.224	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	124806	19.592	ug/l	100
89) n-Butylbenzene	13.61	91	190714	18.788	ug/l	99
90) Hexachloroethane	13.87	117	41013	19.619	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	135701	20.794	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14303	19.914	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

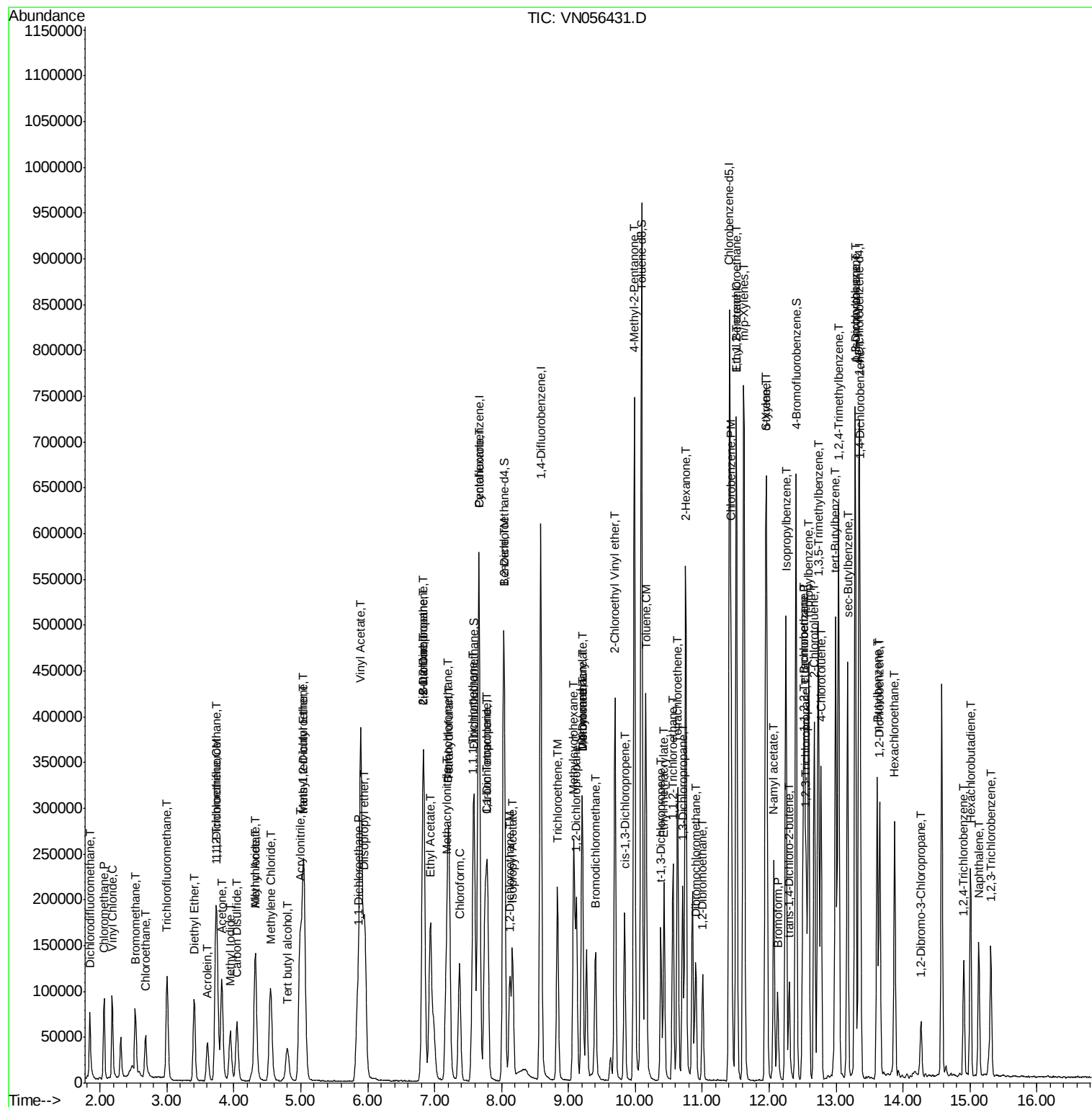
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	43991	17.105	ug/l	98
94) Hexachlorobutadiene	15.01	225	48883	21.015	ug/l	99
95) Naphthalene	15.13	128	130124	18.359	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52671	18.098	ug/l	100

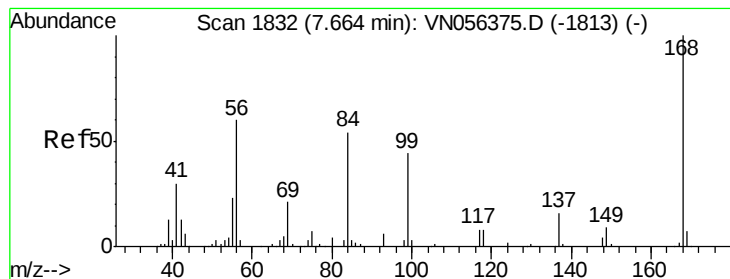
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062119\
Data File : VN056431.D
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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

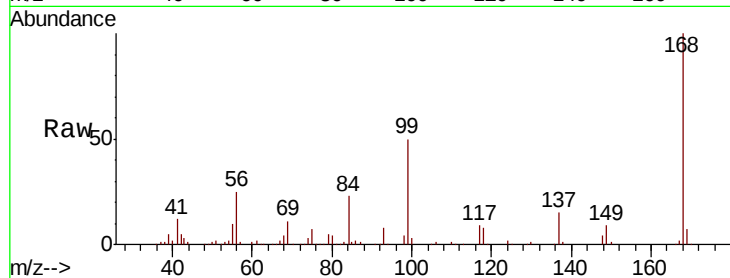
VN0621WBSD02

Tot Ion:168 Resp: 376922

Ion Ratio Lower Upper

168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

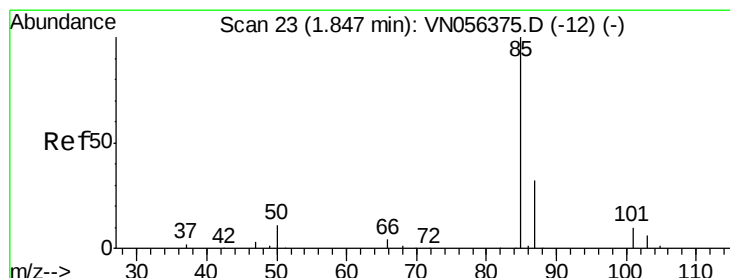
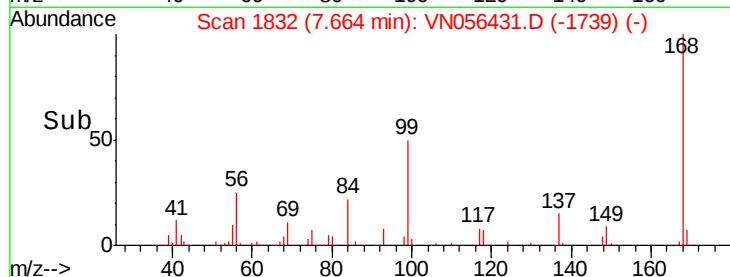
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.174 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056431.D

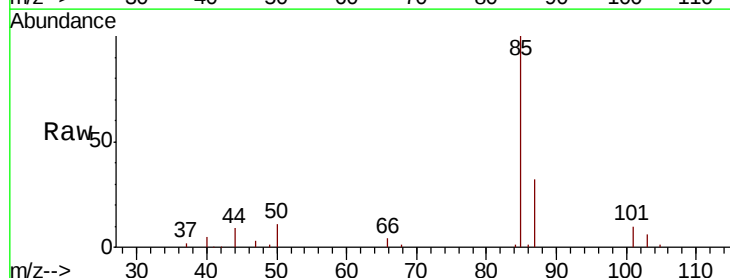
Acq: 21 Jun 2019 17:13

Tgt Ion: 85 Resp: 64386

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

30000

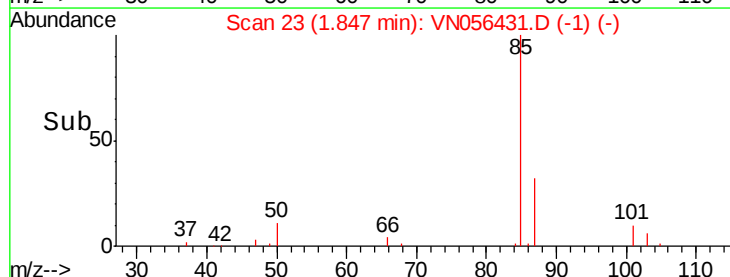
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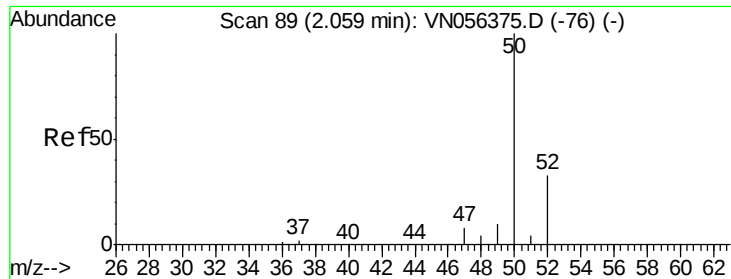
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.176 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

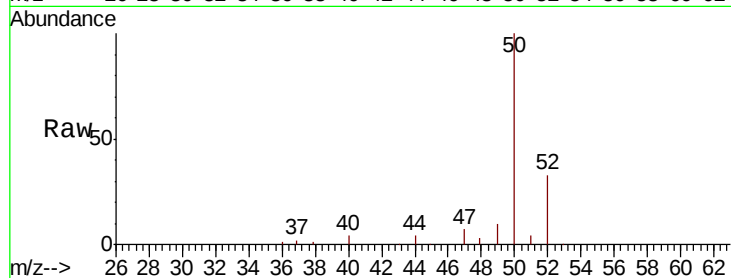
VN0621WBSD02

Tot Ion: 50 Resp: 83334

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

60000

50000

40000

30000

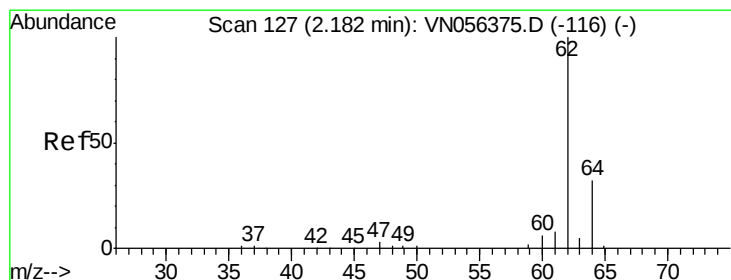
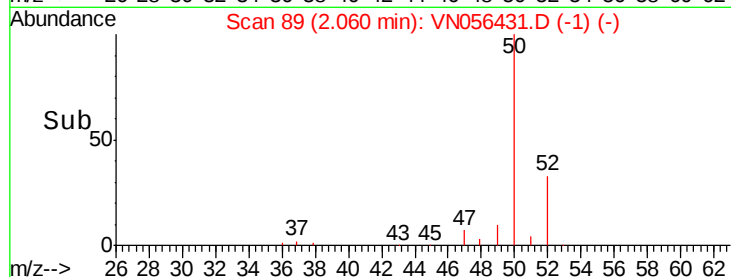
20000

10000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 20.414 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056431.D

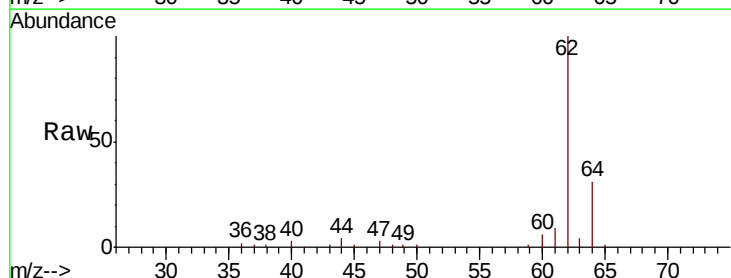
Acq: 21 Jun 2019 17:13

Tgt Ion: 62 Resp: 85684

Ion Ratio Lower Upper

62 100

64 31.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

60000

50000

40000

30000

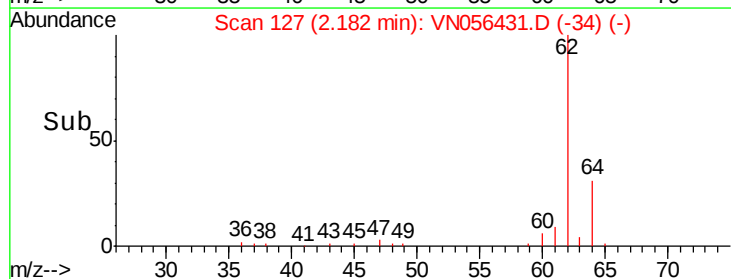
20000

10000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 20.903 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

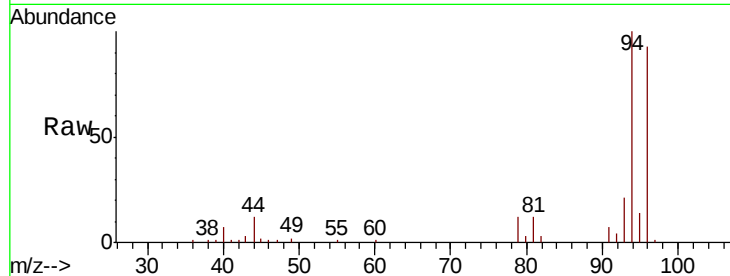
VN0621WBSD02

Tot Ion: 94 Resp: 51435

Ion Ratio Lower Upper

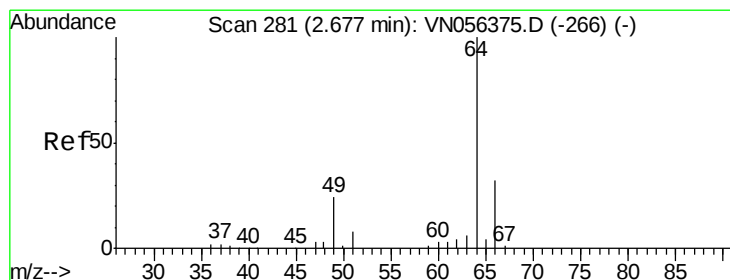
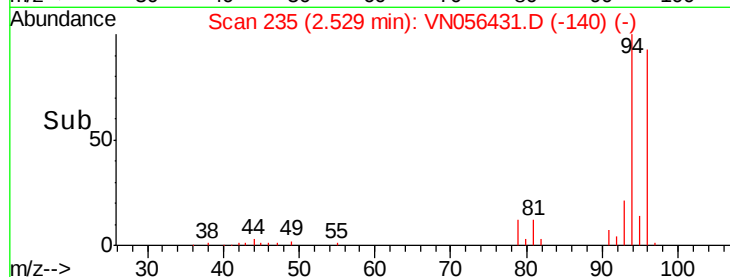
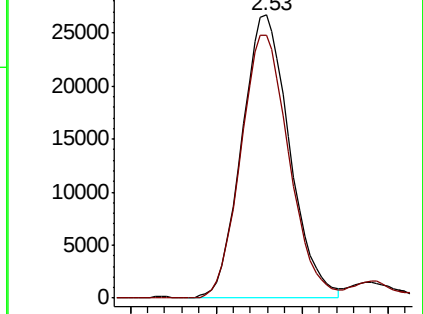
94 100

96 93.1 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.230 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN056431.D

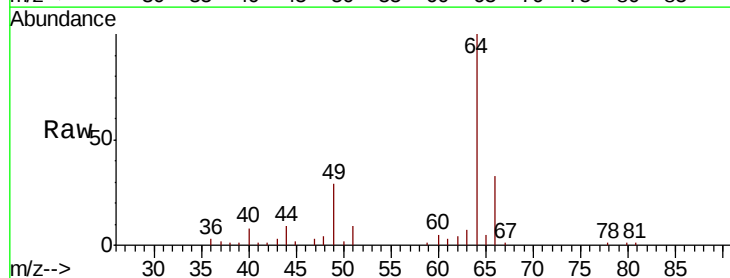
Acq: 21 Jun 2019 17:13

Tgt Ion: 64 Resp: 49172

Ion Ratio Lower Upper

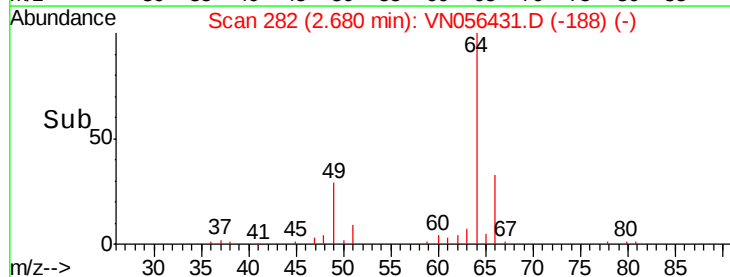
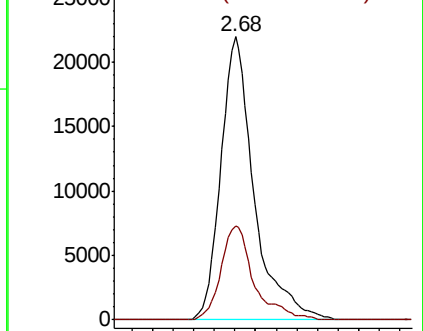
64 100

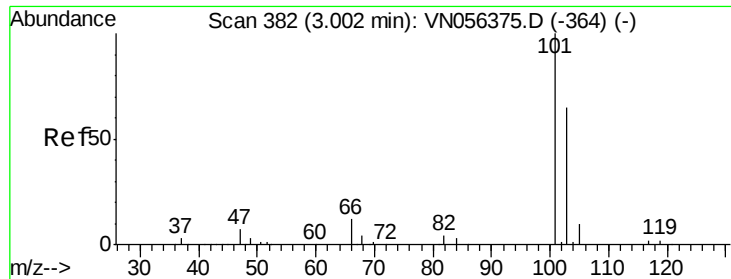
66 33.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



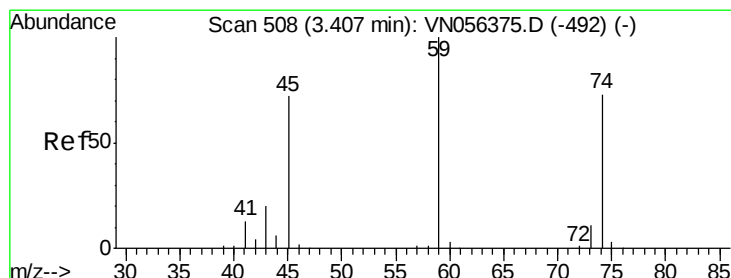
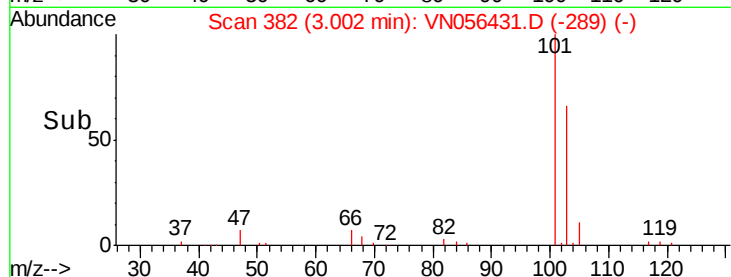
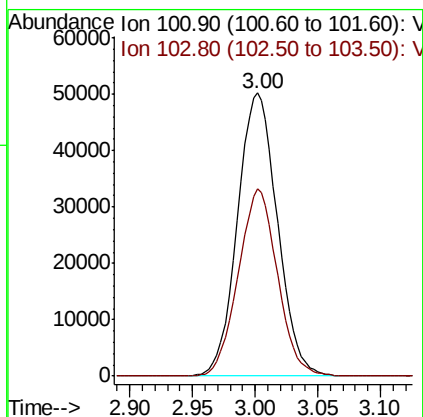
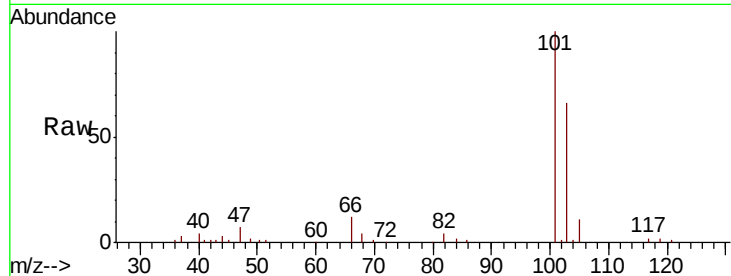


#7

Trichlorofluoromethane
 Concen: 20.457 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
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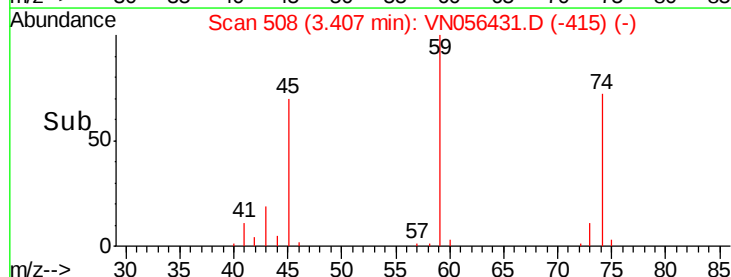
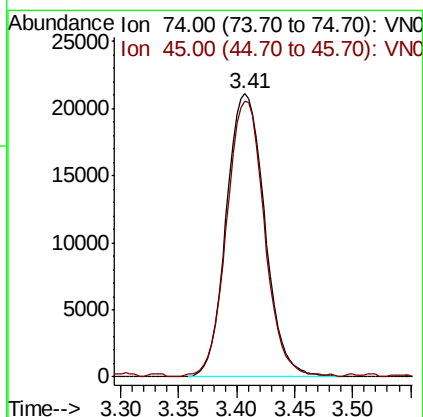
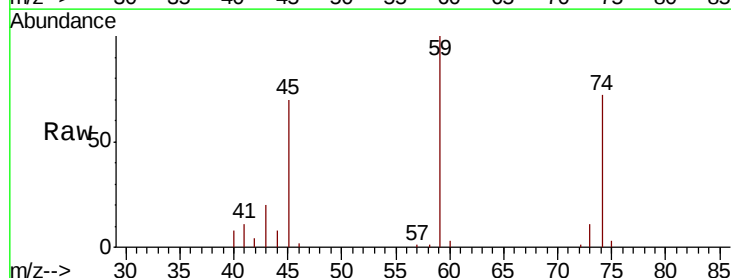
Tot Ion:101 Resp: 111070
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.7 77.5

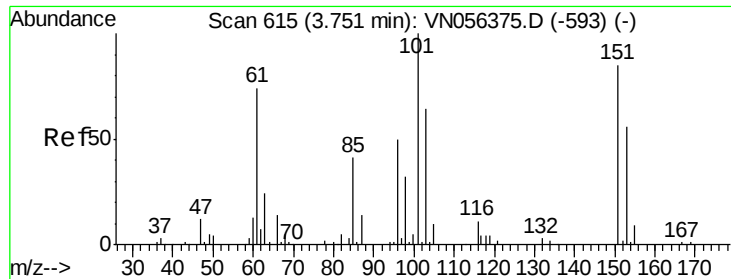


#8

Diethyl Ether
 Concen: 21.133 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion: 74 Resp: 48559
 Ion Ratio Lower Upper
 74 100
 45 96.3 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.922 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

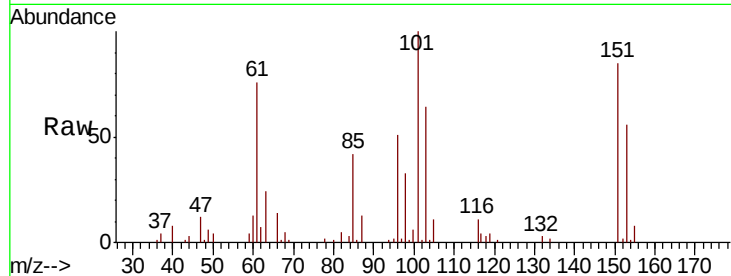
Tot Ion:101 Resp: 68979

Ion Ratio Lower Upper

101 100

85 41.8 32.7 49.1

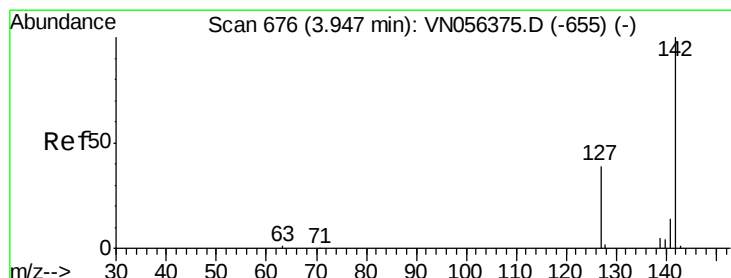
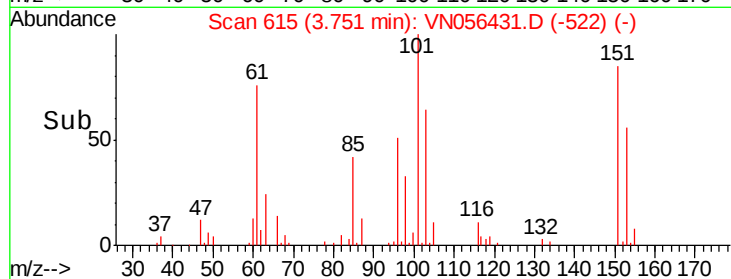
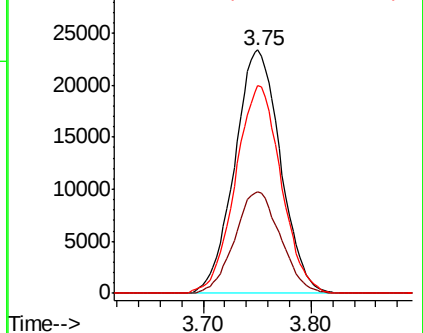
151 84.9 66.8 100.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.728 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

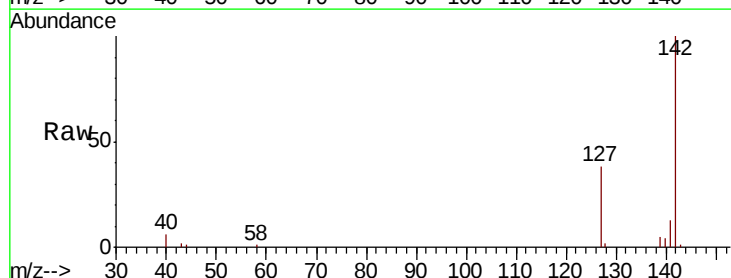
Tgt Ion:142 Resp: 92320

Ion Ratio Lower Upper

142 100

127 37.9 30.6 46.0

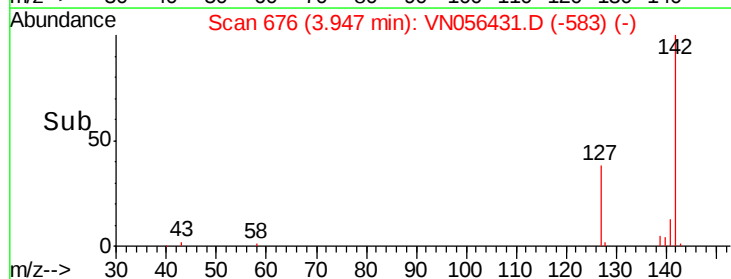
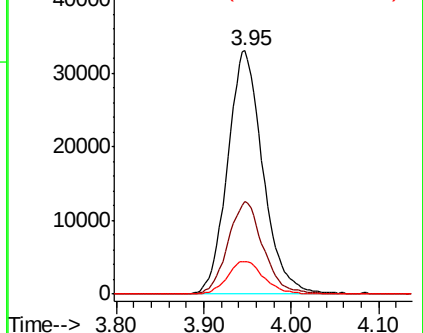
141 13.6 11.4 17.2

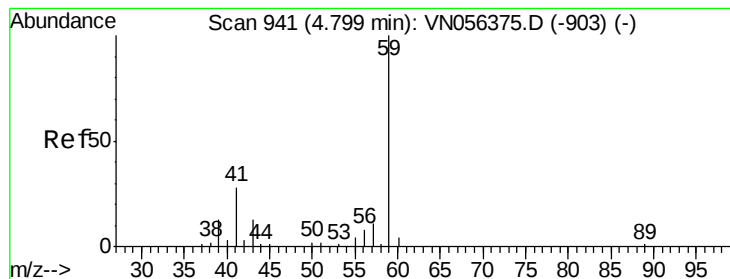


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



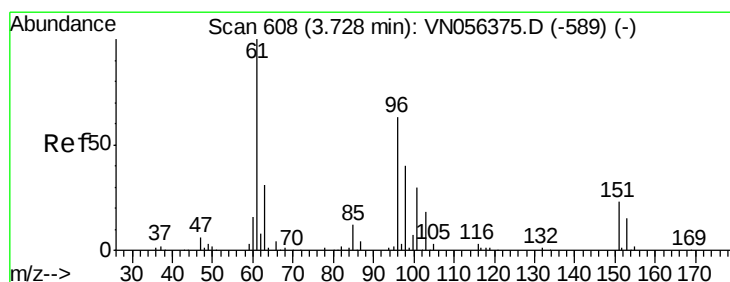
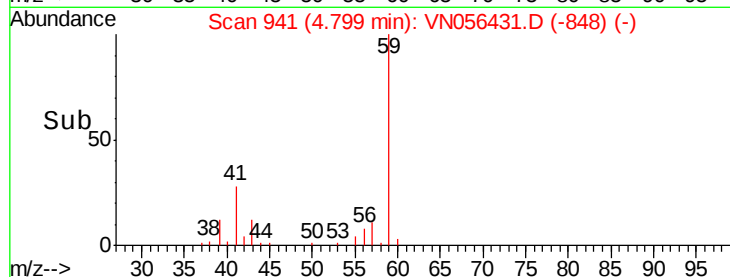
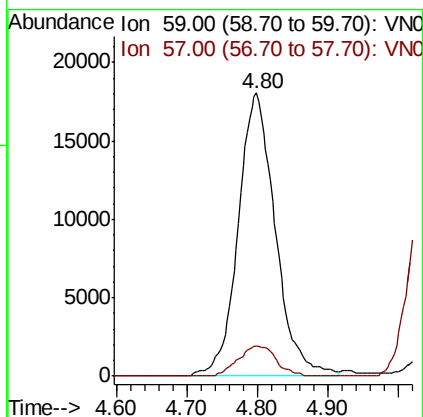
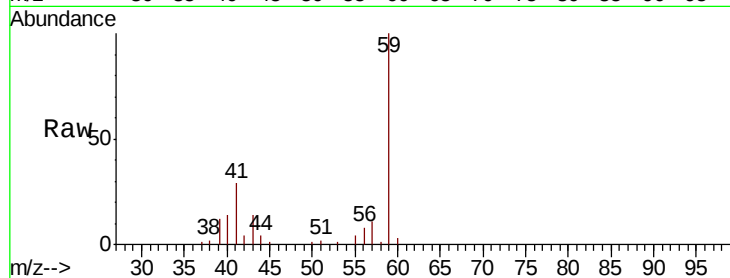


#11

Tert butyl alcohol
 Concen: 94.177 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

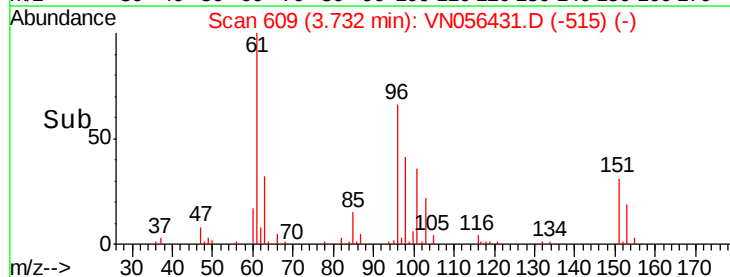
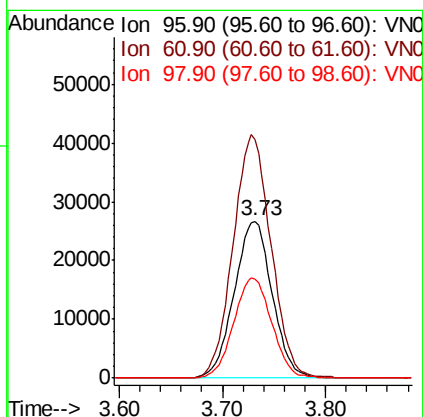
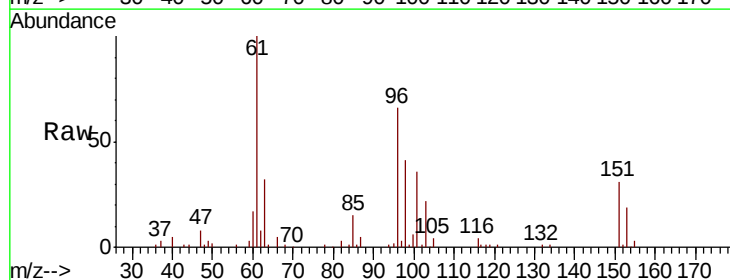
Tot Ion: 59 Resp: 66262
 Ion Ratio Lower Upper
 59 100
 57 10.9 7.6 11.4

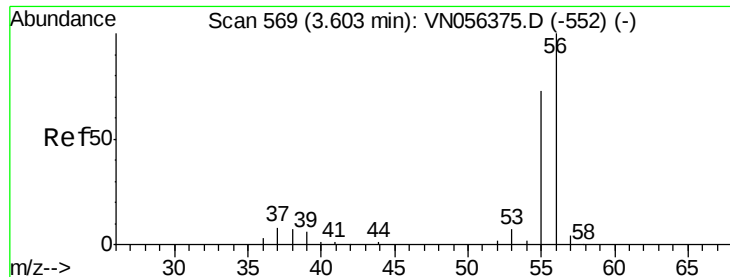


#12

1,1-Dichloroethene
 Concen: 20.493 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion: 96 Resp: 68236
 Ion Ratio Lower Upper
 96 100
 61 152.1 126.6 190.0
 98 62.9 51.1 76.7





#13

Acrolein

Concen: 83.391 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

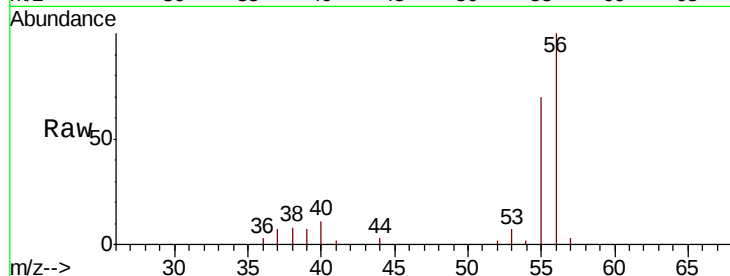
VN0621WBSD02

Tot Ion: 56 Resp: 49451

Ion Ratio Lower Upper

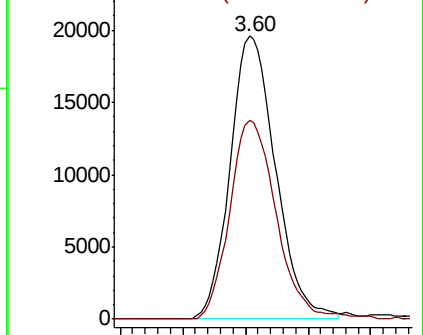
56 100

55 71.6 57.1 85.7

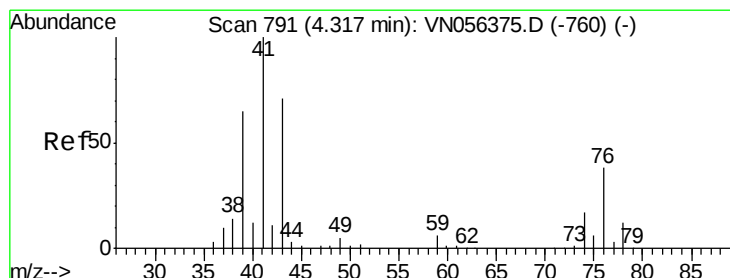
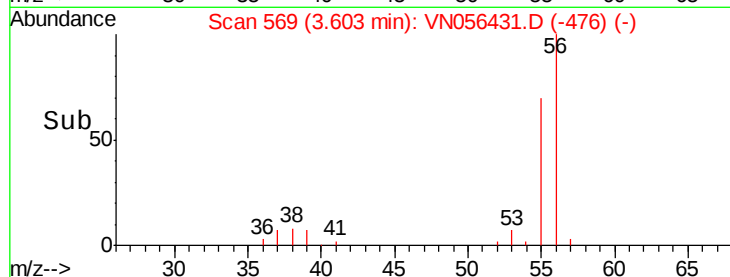


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 20.058 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

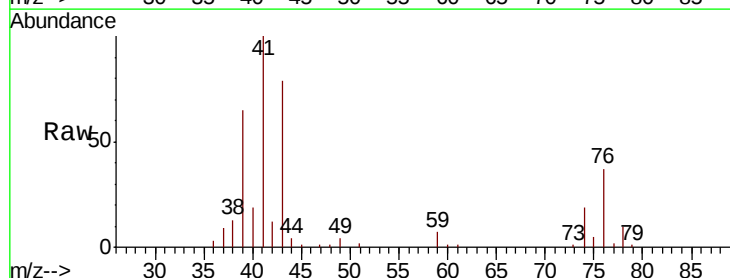
Tgt Ion: 41 Resp: 111176

Ion Ratio Lower Upper

41 100

39 60.5 48.6 73.0

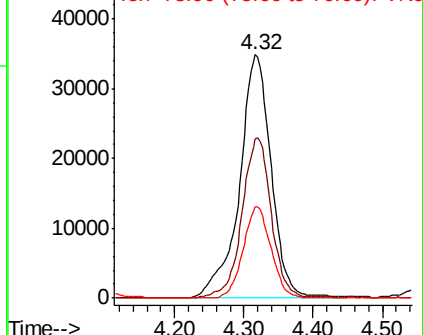
76 32.7 26.6 40.0



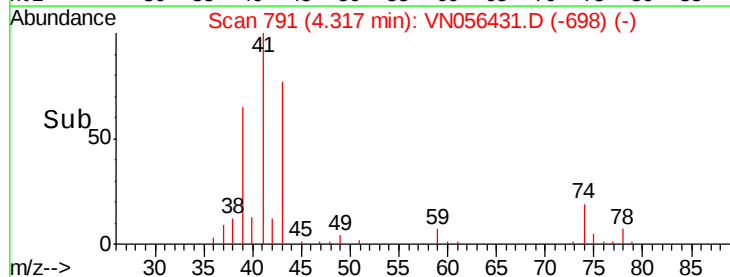
Abundance Ion 41.00 (40.70 to 41.70): VN0

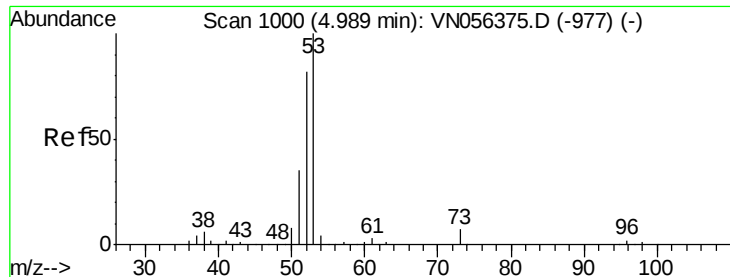
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->

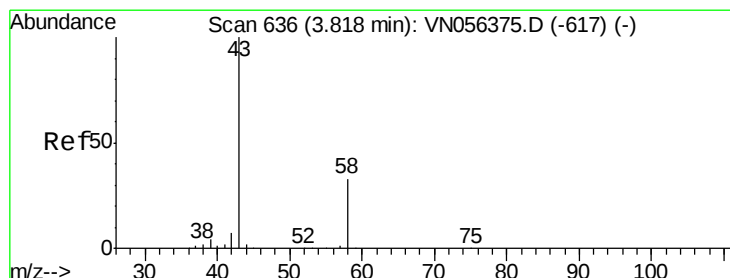
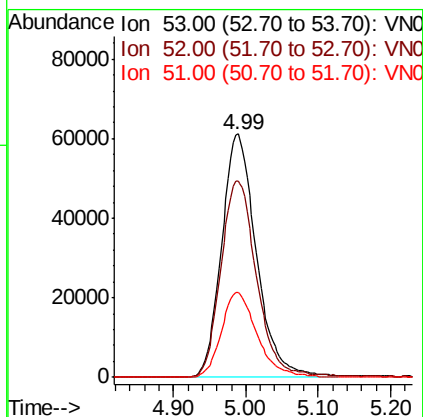
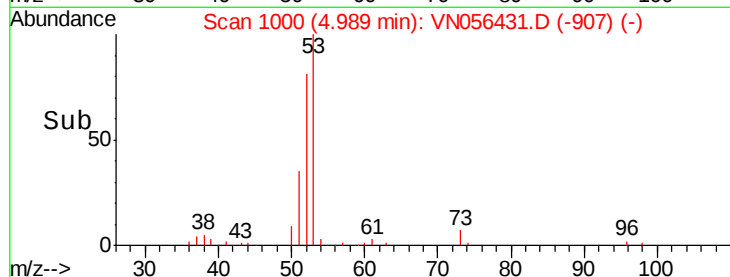
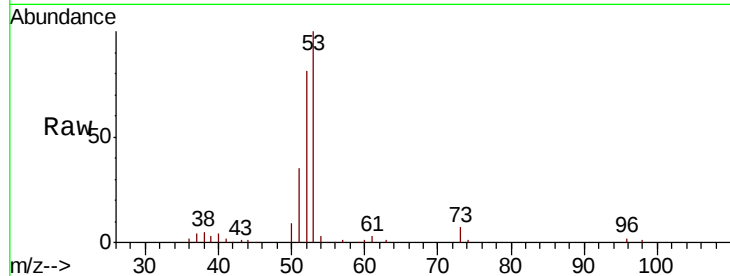




#15
 Acrylonitrile
 Concen: 104.753 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

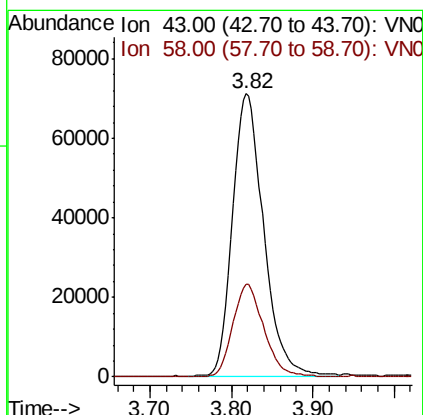
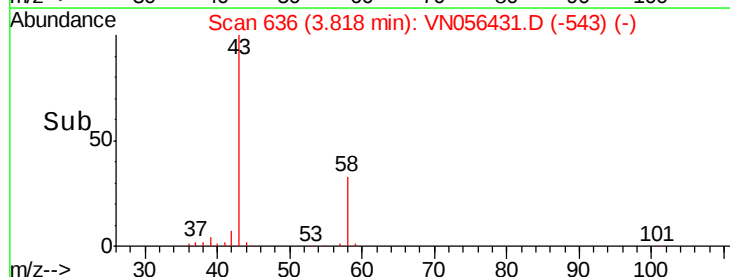
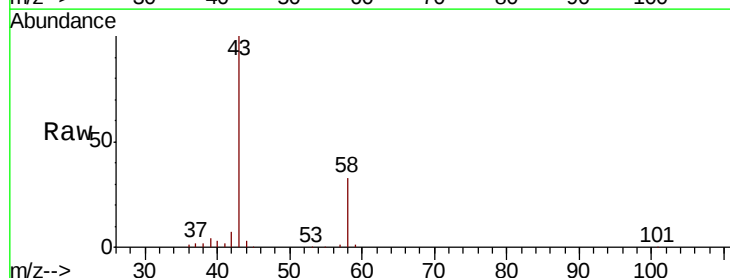
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

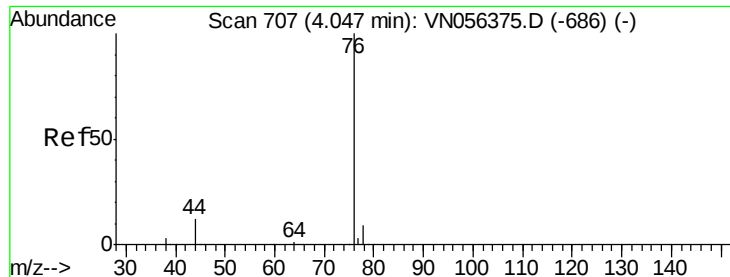
Tot Ion: 53 Resp: 203900
 Ion Ratio Lower Upper
 53 100
 52 82.8 65.9 98.9
 51 35.9 28.3 42.5



#16
 Acetone
 Concen: 90.041 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion: 43 Resp: 188452
 Ion Ratio Lower Upper
 43 100
 58 32.7 26.4 39.6

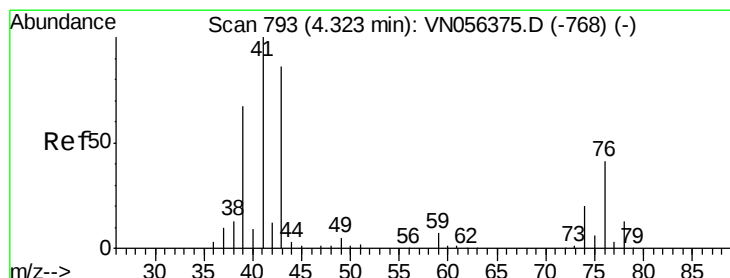
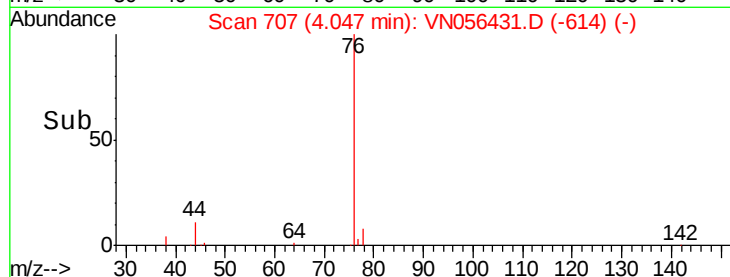
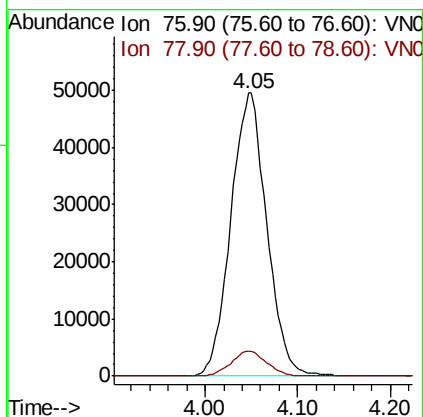
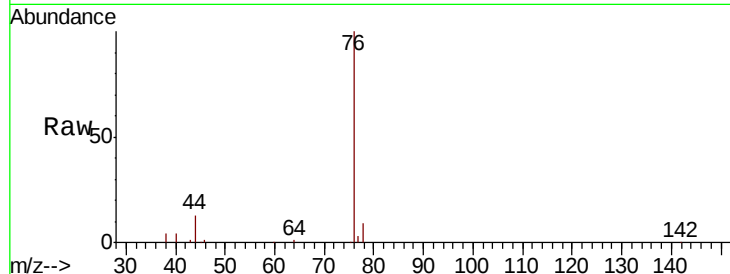




#17
Carbon Disulfide
Concen: 17.562 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

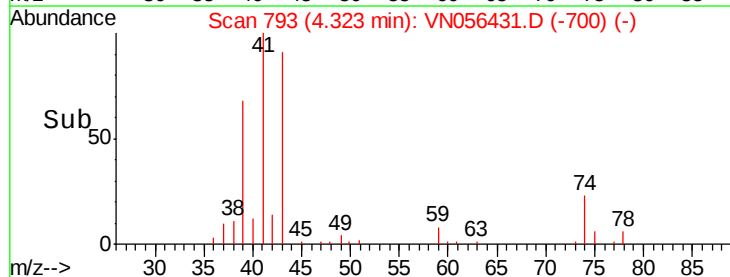
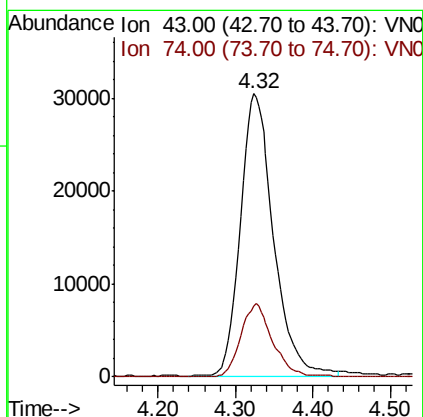
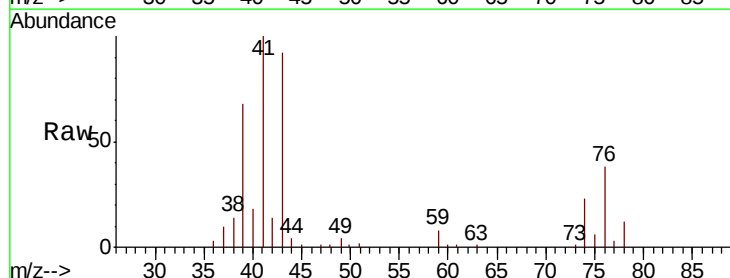
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

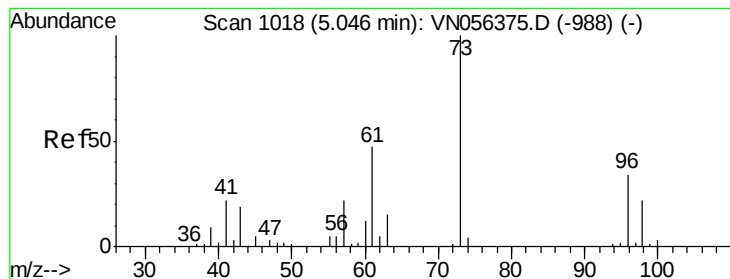
Tot Ion: 76 Resp: 133001
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 21.806 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 43 Resp: 91394
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8



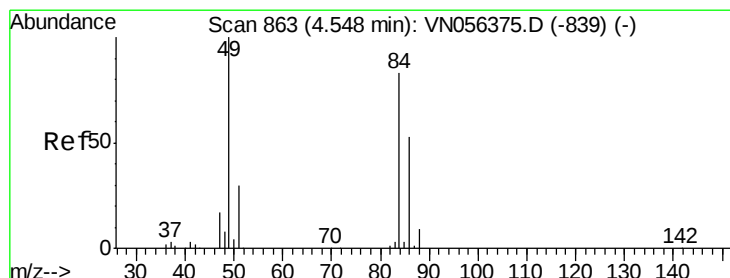
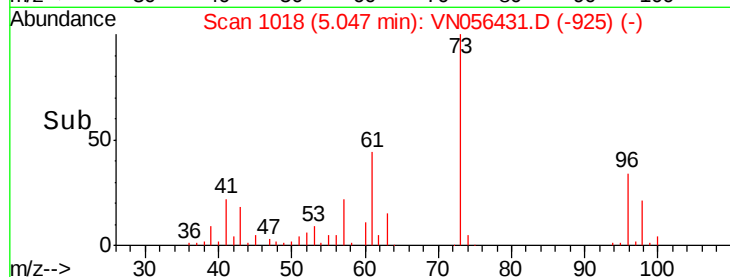
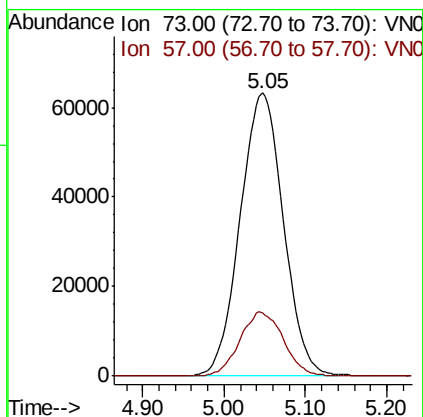
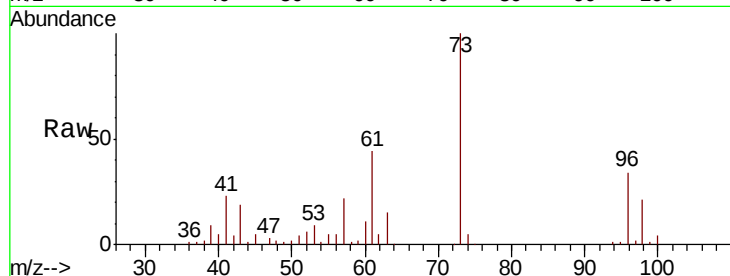


#19

Methyl tert-butyl Ether
 Concen: 21.091 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

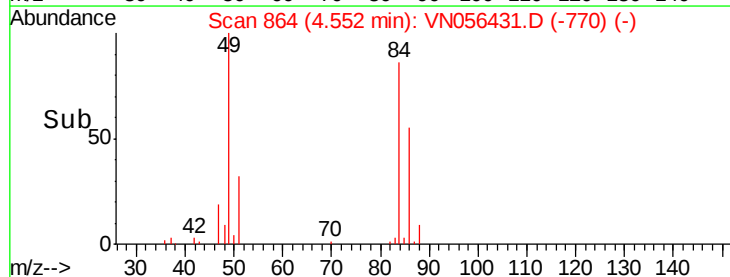
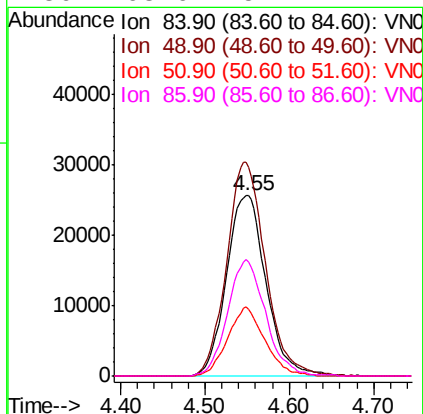
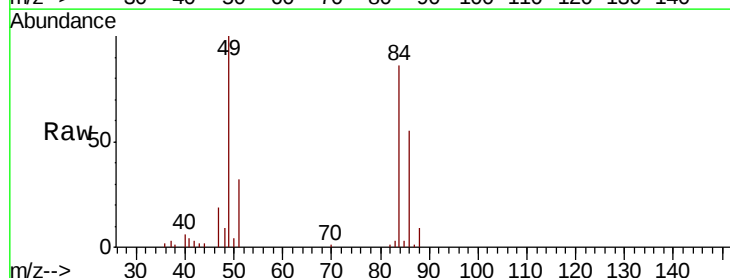
Tot Ion: 73 Resp: 232379
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.9 26.9

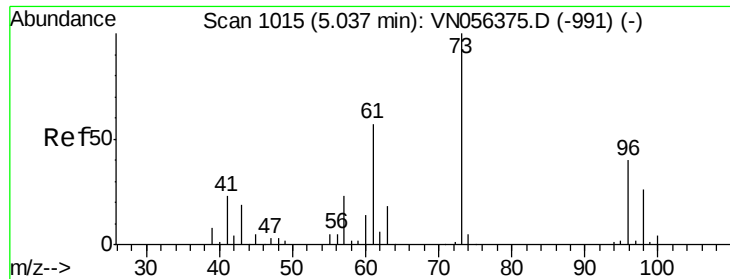


#20

Methylene Chloride
 Concen: 20.732 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion: 84 Resp: 83854
 Ion Ratio Lower Upper
 84 100
 49 116.2 96.4 144.6
 51 37.0 28.6 43.0
 86 63.6 51.4 77.2

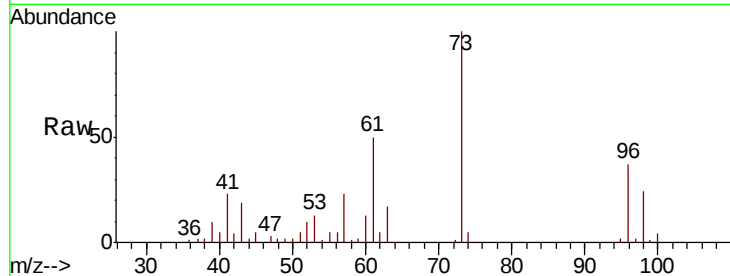




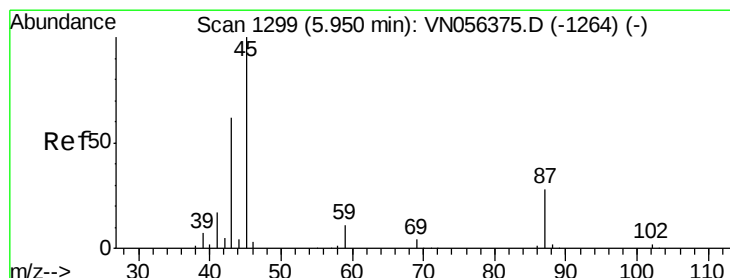
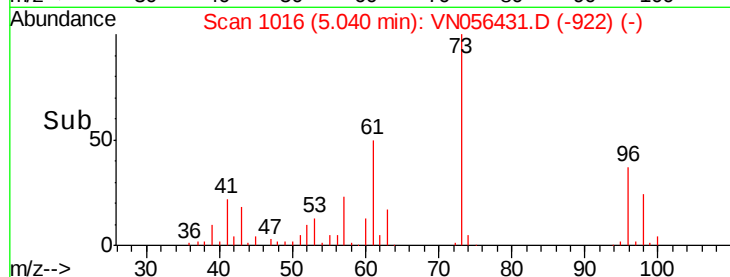
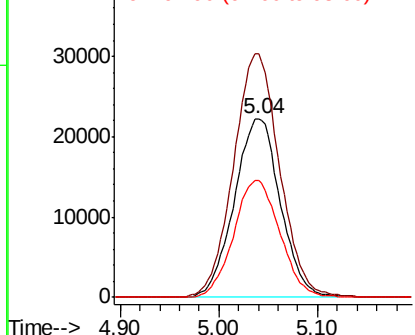
#21
trans-1,2-Dichloroethene
Concen: 19.977 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion: 96 Resp: 71715
Ion Ratio Lower Upper
96 100
61 134.9 113.0 169.6
98 65.2 52.2 78.2

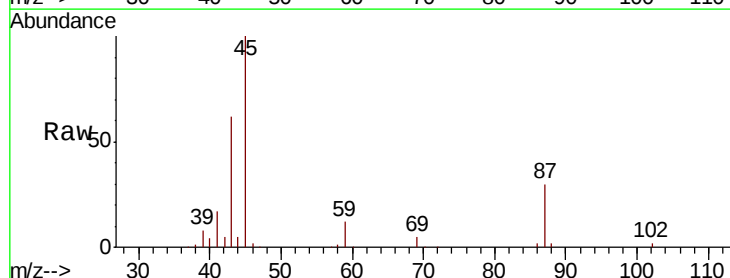


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

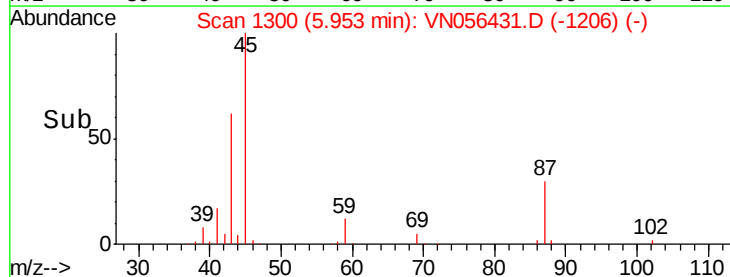
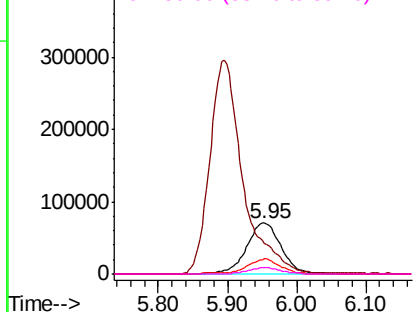


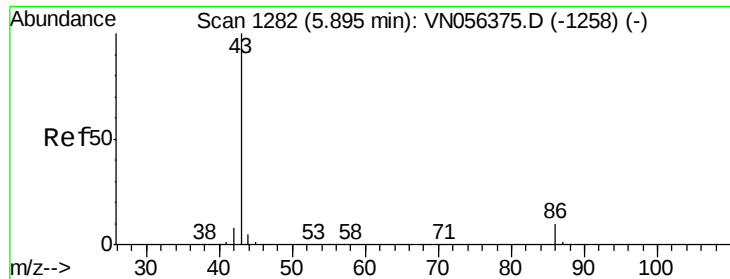
#22
Diisopropyl ether
Concen: 20.976 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 45 Resp: 244173
Ion Ratio Lower Upper
45 100
43 59.7 50.4 75.6
87 29.2 23.0 34.4
59 12.3 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

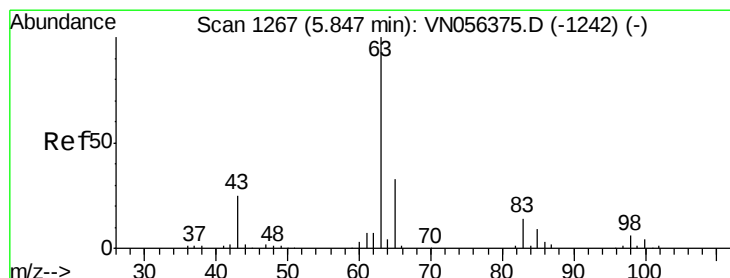
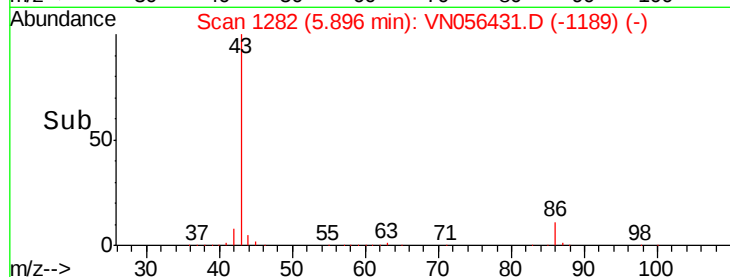
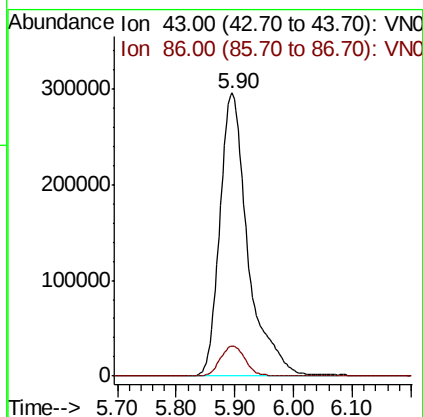
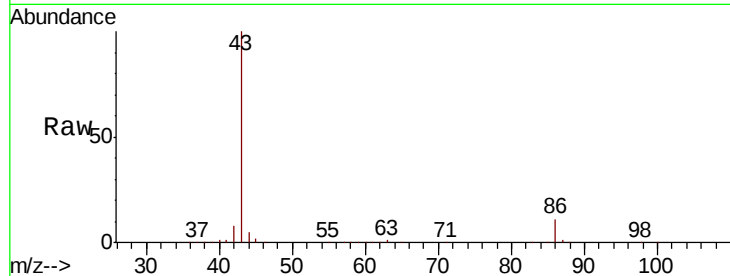




#23
 Vinyl Acetate
 Concen: 106.975 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

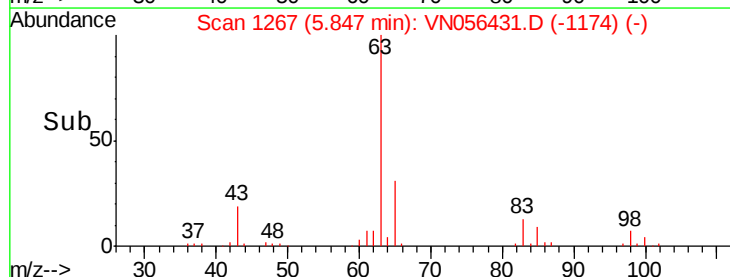
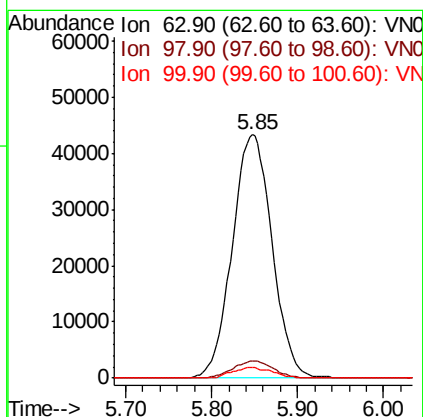
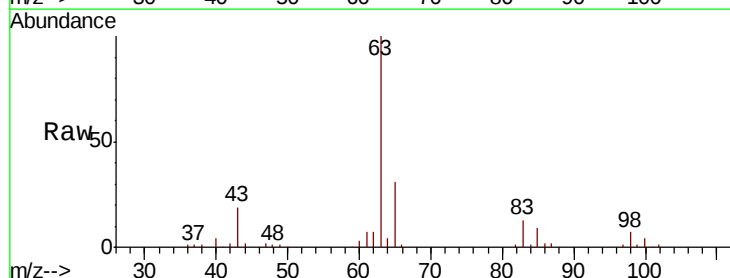
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

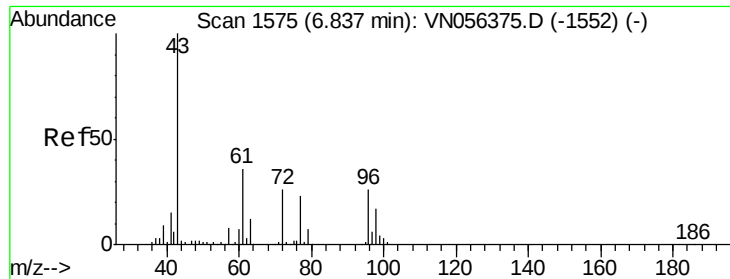
Tot Ion: 43 Resp: 982152
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.857 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion: 63 Resp: 139367
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.2 9.6
 100 4.4 2.1 6.5

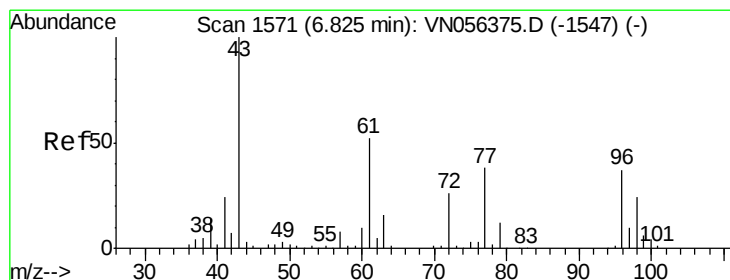
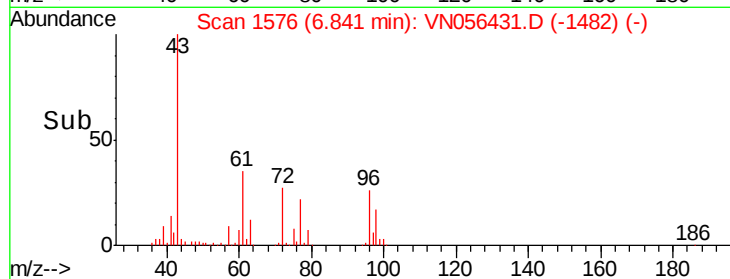
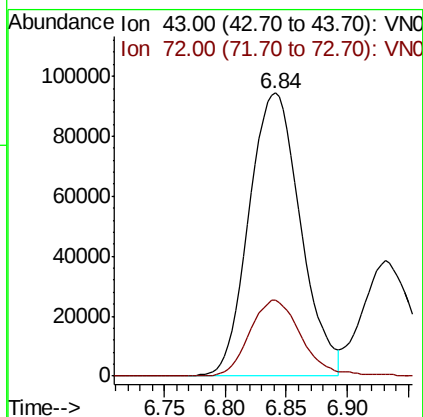
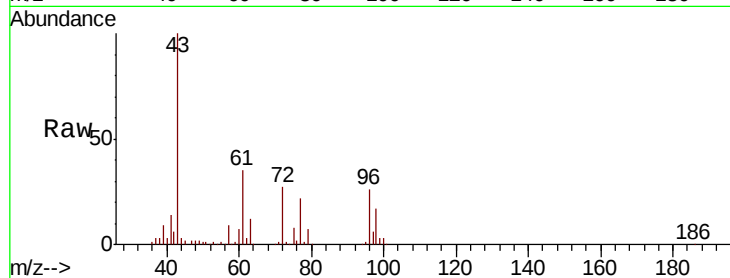




#25
2-Butanone
Concen: 99.510 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

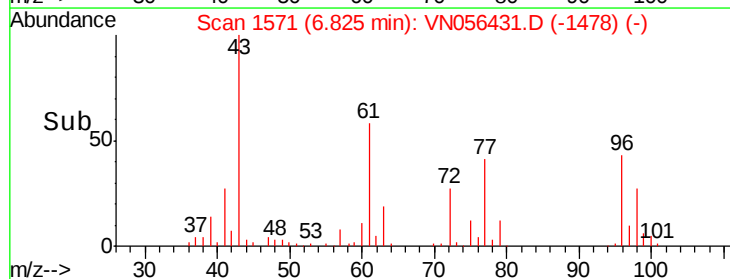
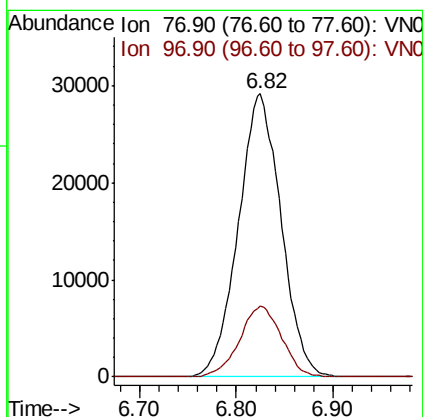
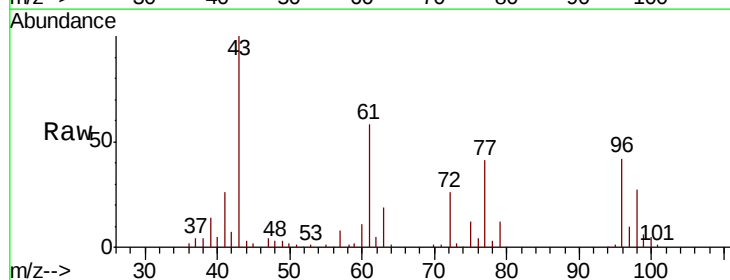
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

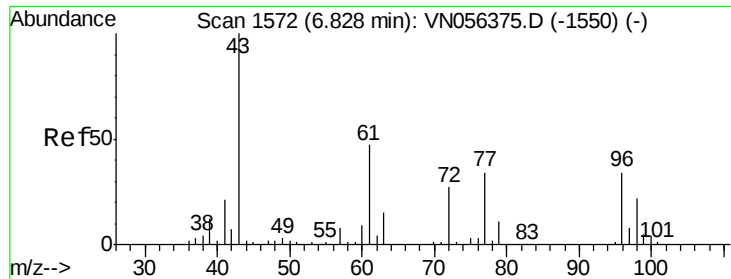
Tot Ion: 43 Resp: 275649
Ion Ratio Lower Upper
43 100
72 27.1 20.6 31.0



#26
2,2-Dichloropropane
Concen: 19.209 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 77 Resp: 89269
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.661 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

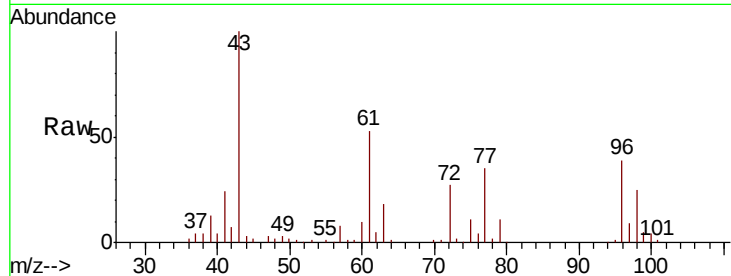
Tot Ion: 96 Resp: 86777

Ion Ratio Lower Upper

96 100

61 139.2 0.0 279.8

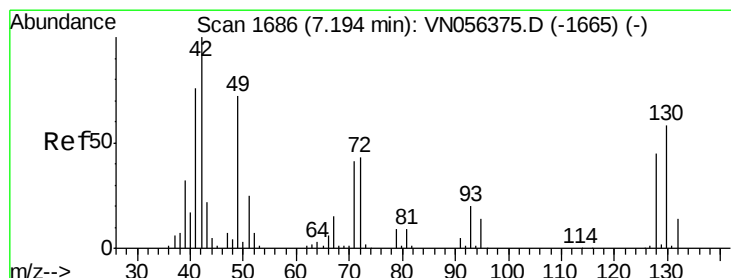
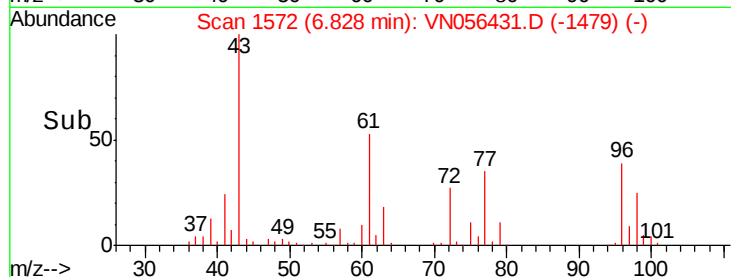
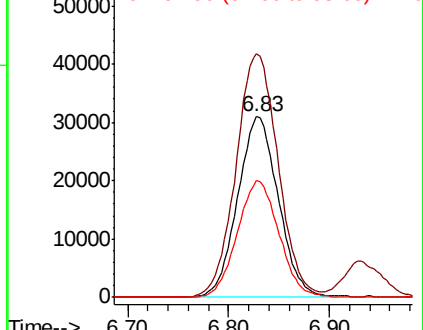
98 65.8 0.0 130.0



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: 20.733 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

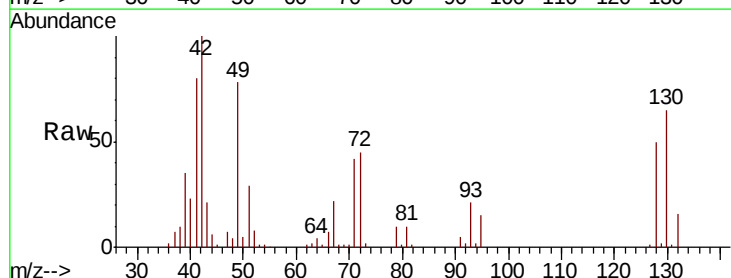
Tgt Ion: 49 Resp: 68525

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.2

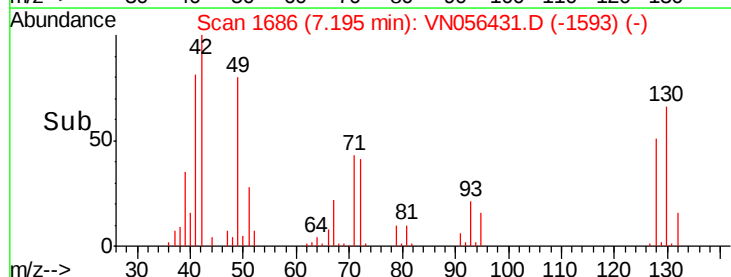
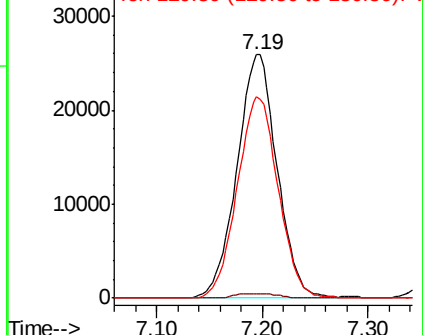
130 84.0 64.9 97.3

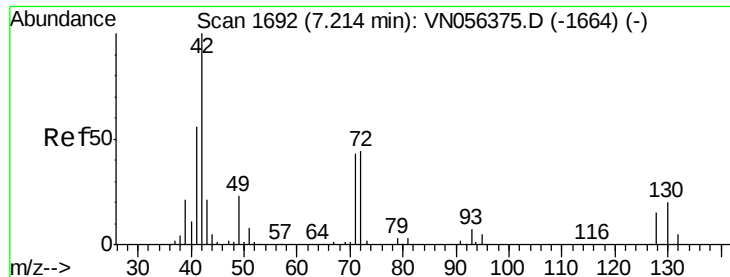


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 106.572 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

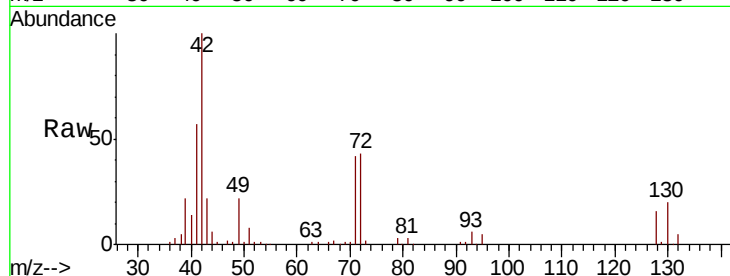
Tot Ion: 42 Resp: 180404

Ion Ratio Lower Upper

42 100

72 44.1 34.7 52.1

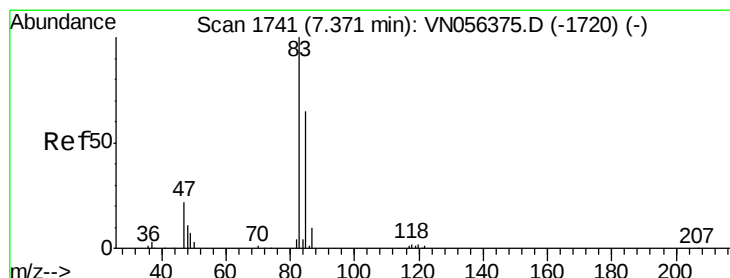
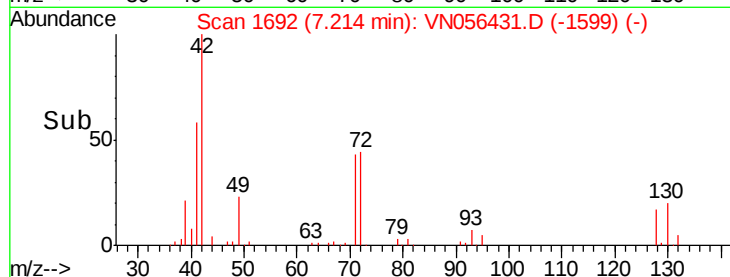
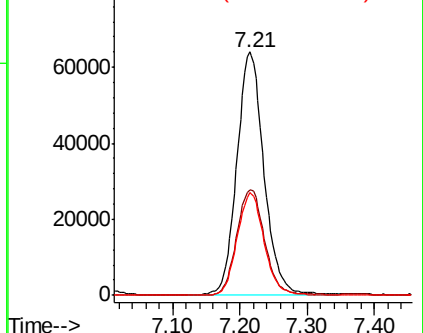
71 41.7 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.929 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056431.D

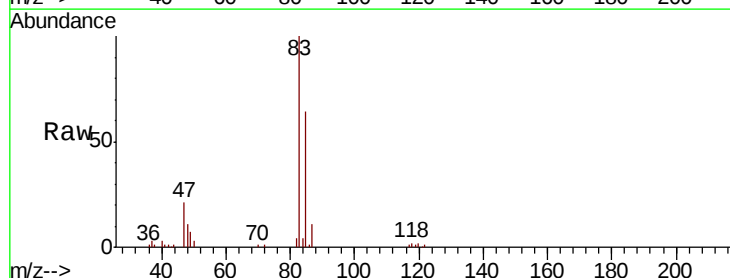
Acq: 21 Jun 2019 17:13

Tgt Ion: 83 Resp: 137997

Ion Ratio Lower Upper

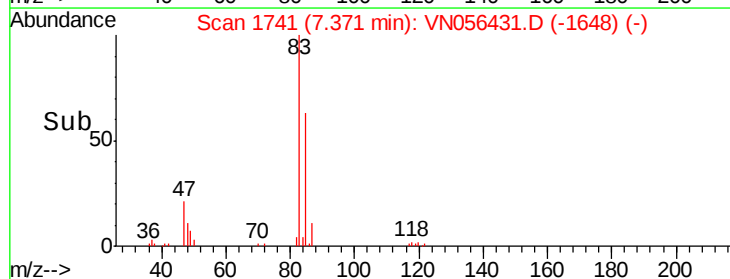
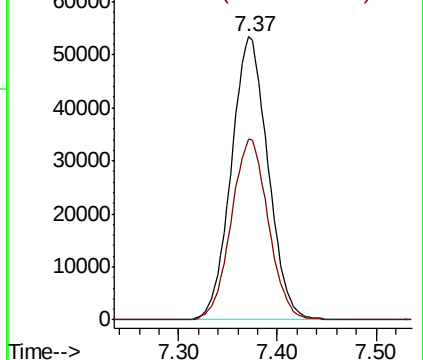
83 100

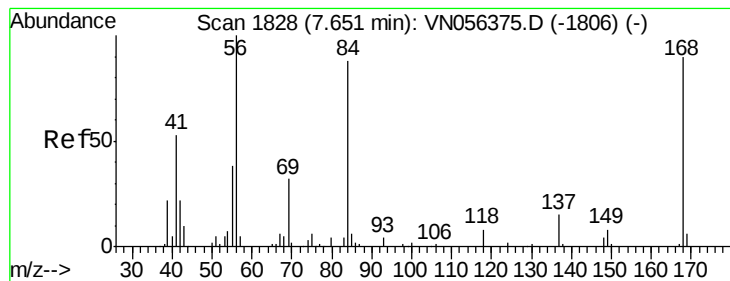
85 63.9 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.743 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

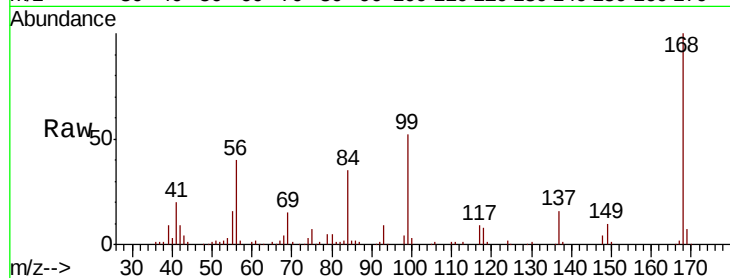
Tot Ion: 56 Resp: 127359

Ion Ratio Lower Upper

56 100

69 36.6 25.8 38.6

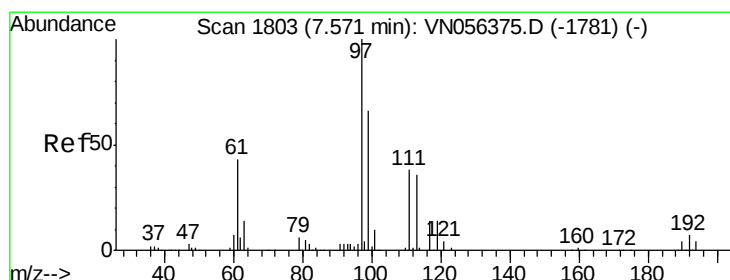
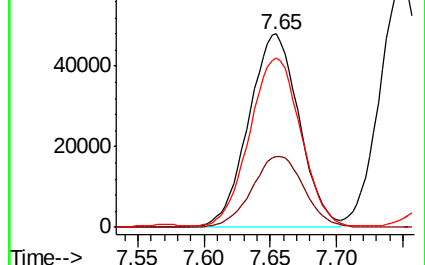
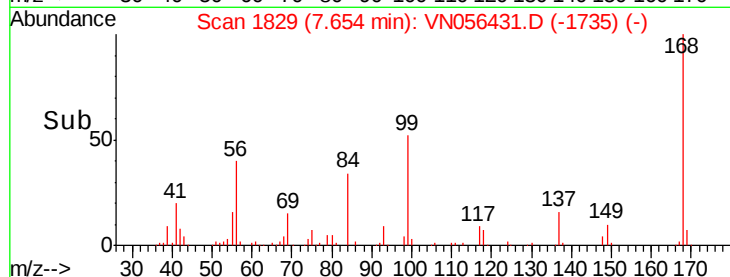
84 87.0 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.570 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

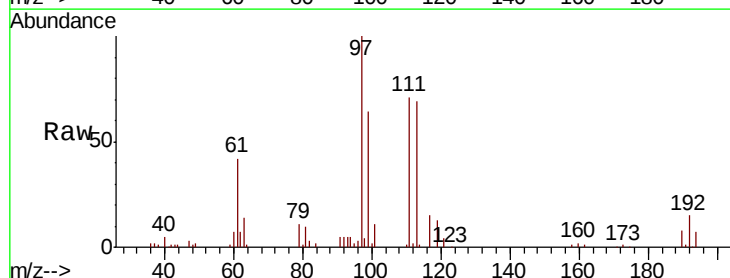
Tgt Ion: 97 Resp: 107505

Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

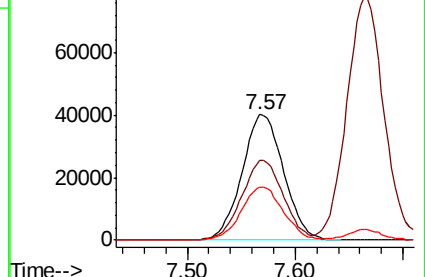
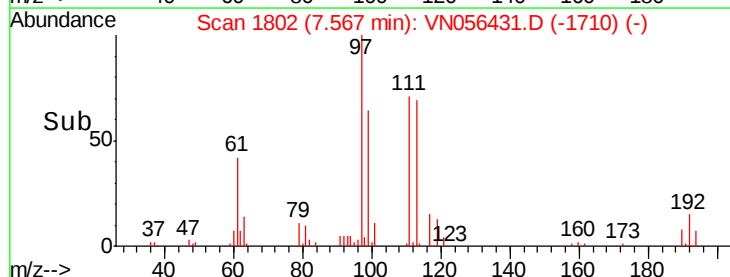
61 42.5 33.9 50.9

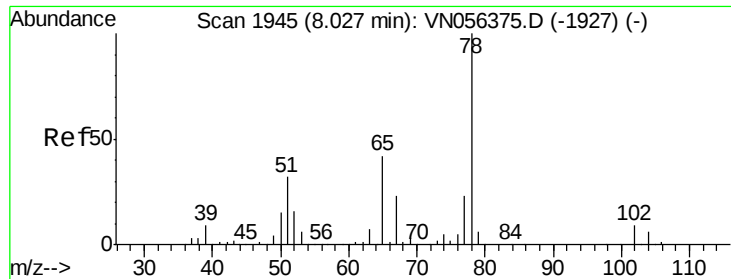


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

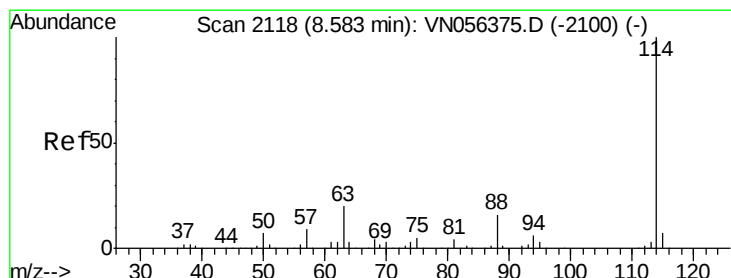
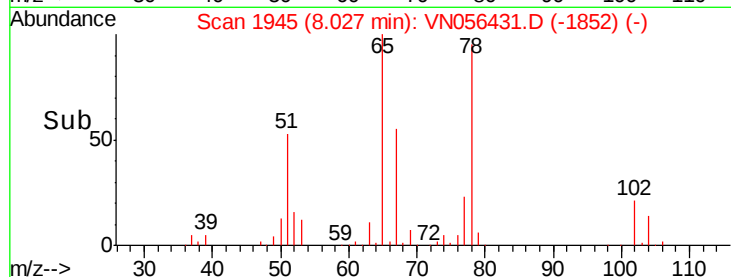
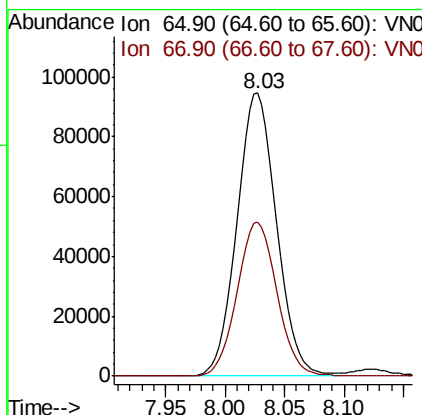
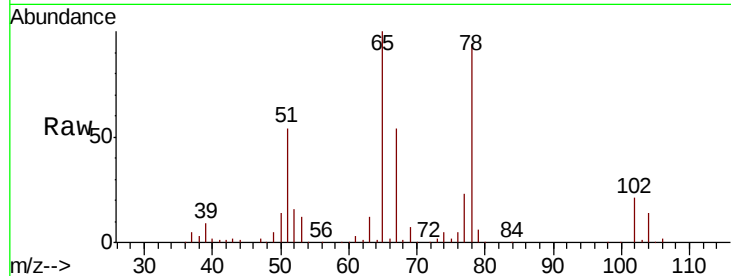




#33
 1,2-Dichloroethane-d4
 Concen: 52.141 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

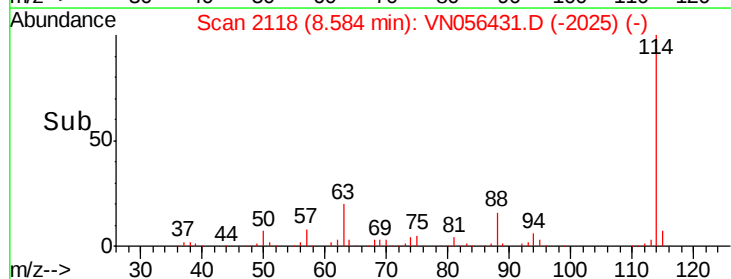
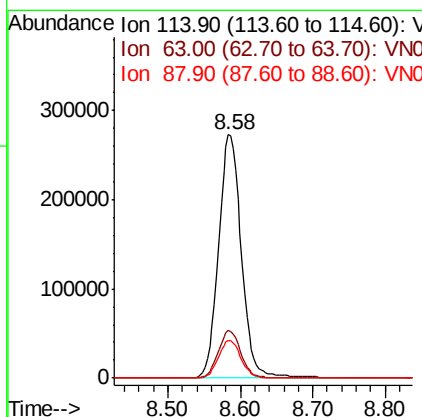
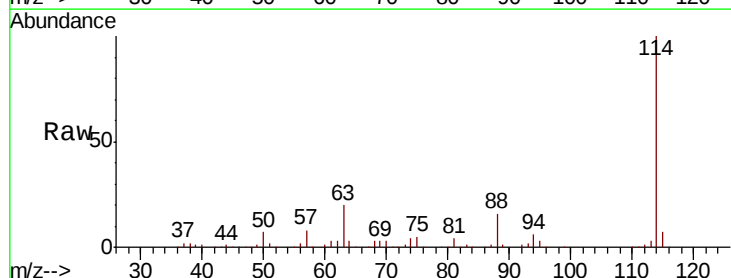
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

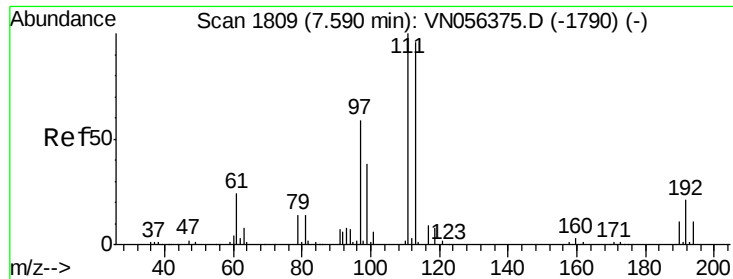
Tot Ion: 65 Resp: 217817
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion: 114 Resp: 594248
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.2
 88 15.6 0.0 31.4

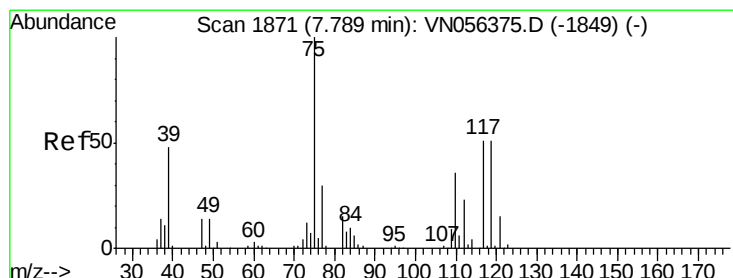
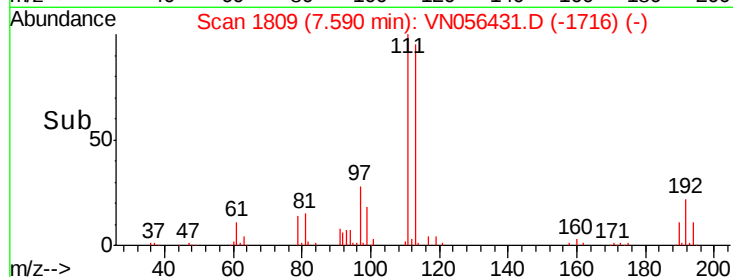
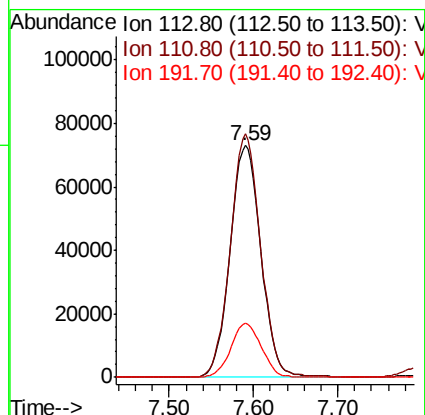
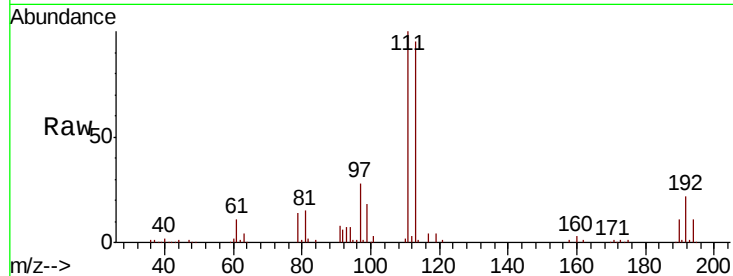




#35
 Dibromofluoromethane
 Concen: 50.249 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

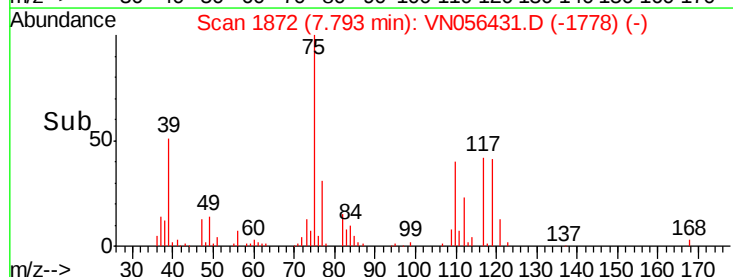
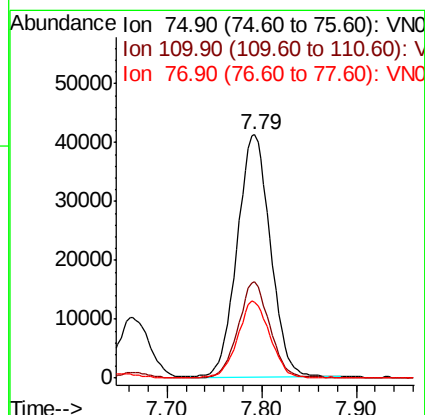
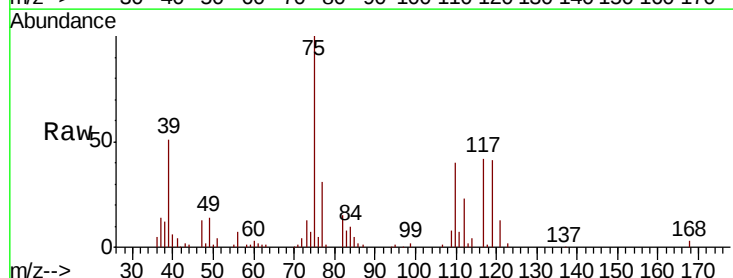
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

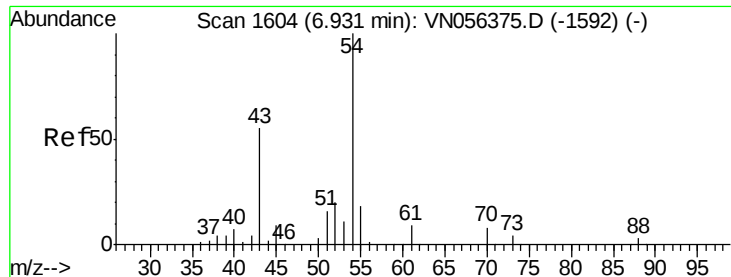
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	23.0	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 19.225 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.1	54.3
77	30.8	24.6	36.8

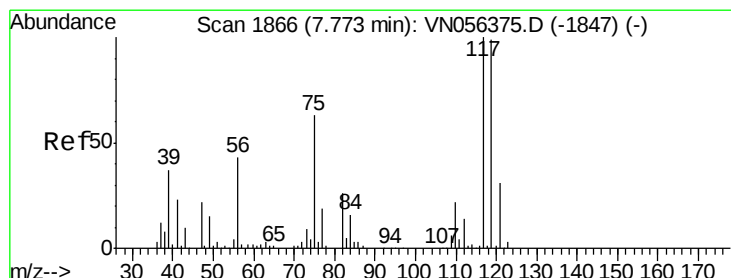
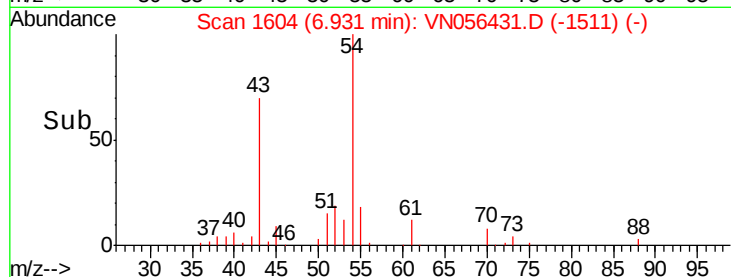
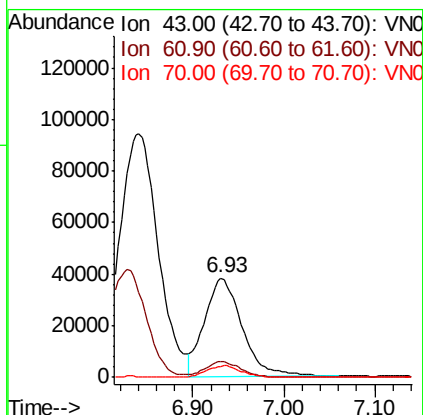
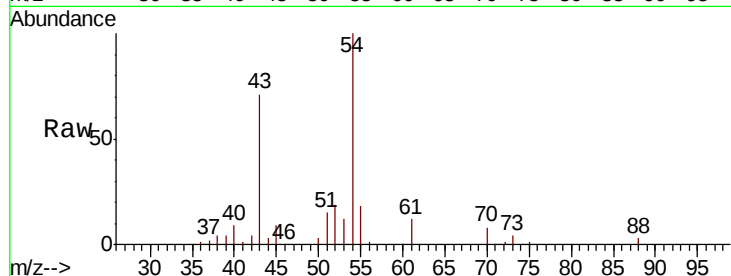




#37
Ethyl Acetate
Concen: 21.386 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

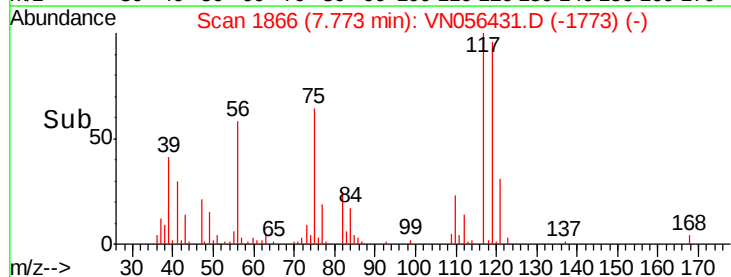
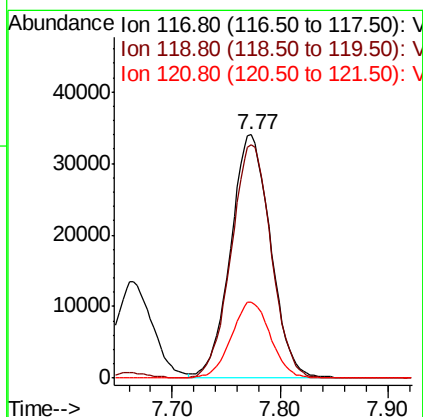
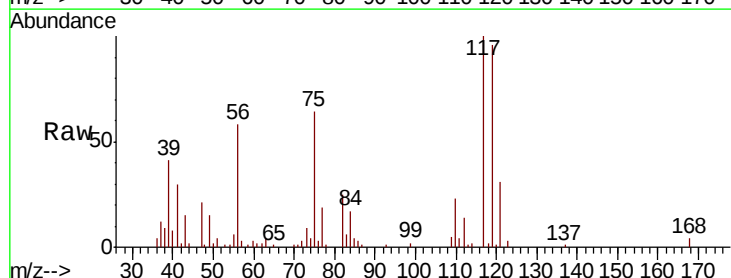
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

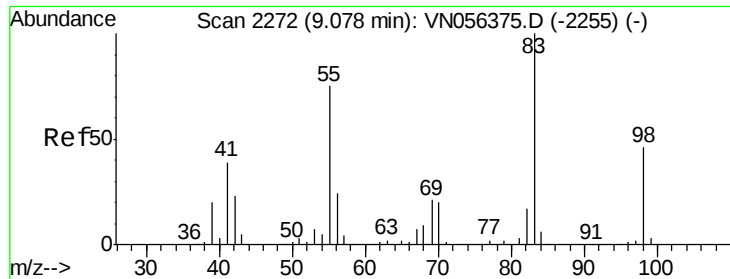
Tot Ion: 43 Resp: 109926
Ion Ratio Lower Upper
43 100
61 14.5 11.1 16.7
70 10.9 8.3 12.5



#38
Carbon Tetrachloride
Concen: 19.192 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 117 Resp: 87782
Ion Ratio Lower Upper
117 100
119 95.9 79.1 118.7
121 31.0 24.8 37.2

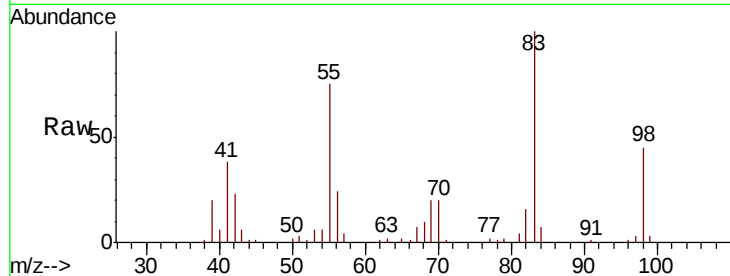




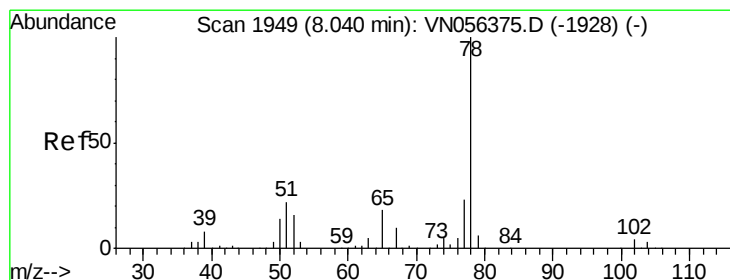
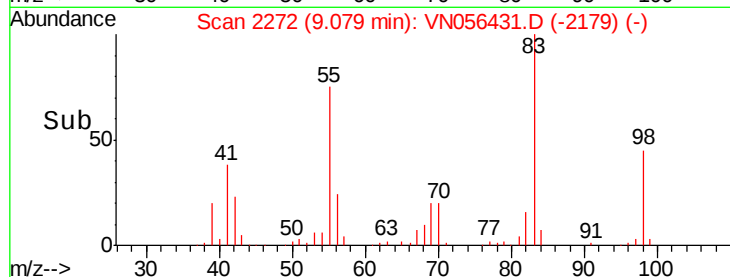
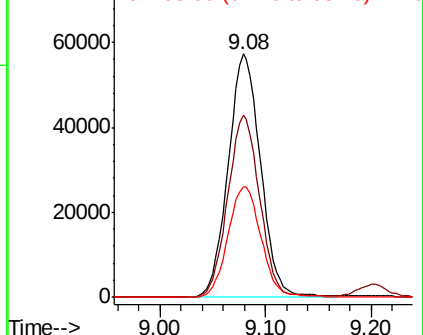
#39
Methvlcvclohexane
Concen: 18.948 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion: 83 Resp: 122287
Ion Ratio Lower Upper
83 100
55 74.9 60.0 90.0
98 45.3 36.6 54.8

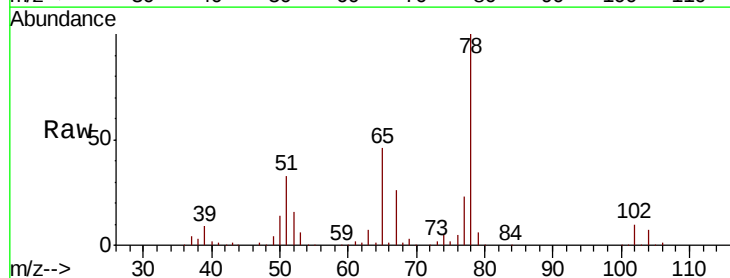


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

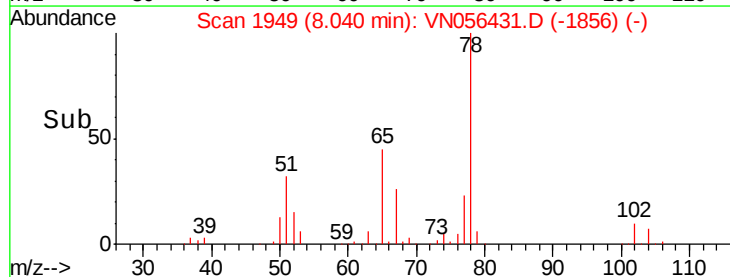
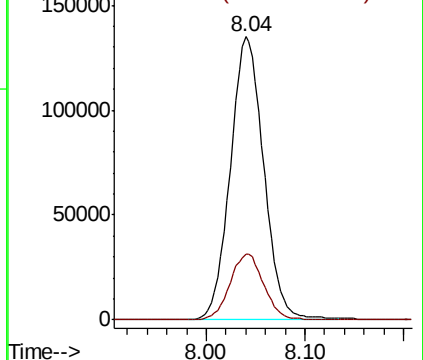


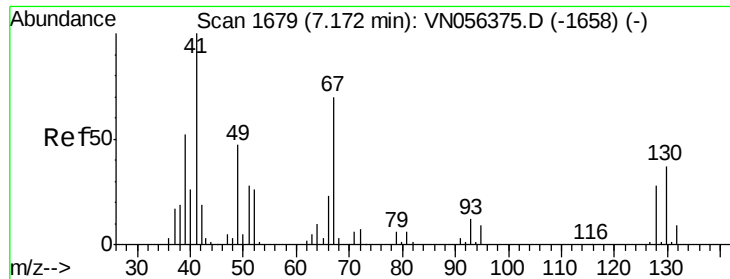
#40
Benzene
Concen: 19.772 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 78 Resp: 318105
Ion Ratio Lower Upper
78 100
77 23.0 18.3 27.5



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

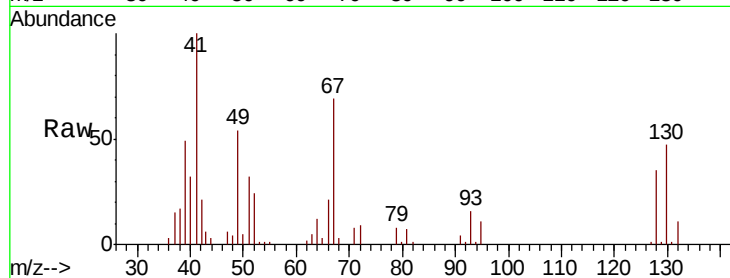




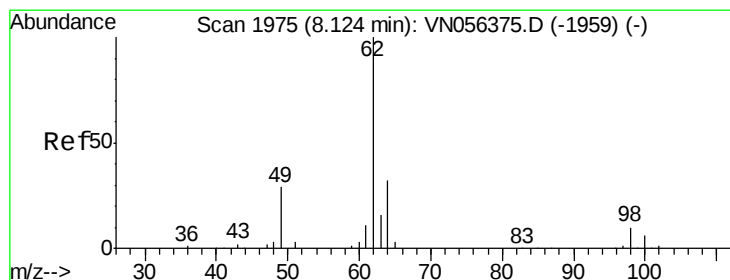
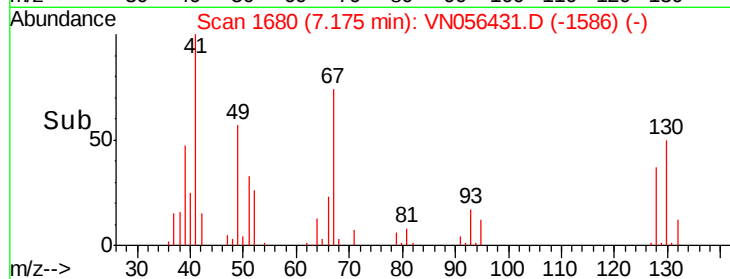
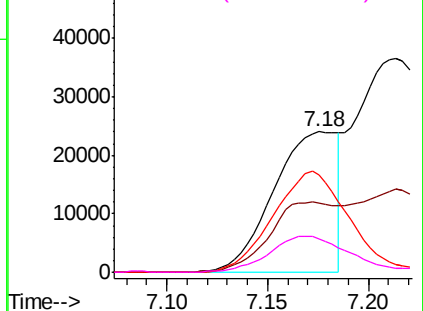
#41
Methacrylonitrile
Concen: 23.250 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion: 41 Resp: 52772
Ion Ratio Lower Upper
41 100
39 51.6 55.3 82.9#
67 86.3 79.2 118.8
52 33.2 31.4 47.0

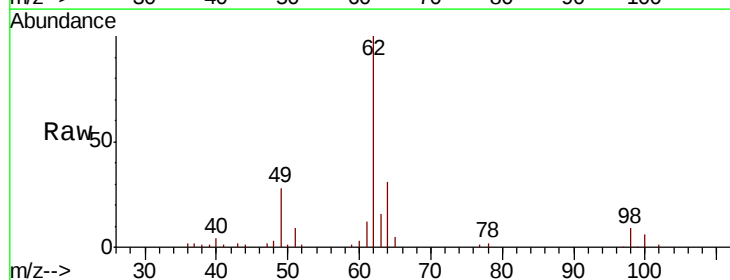


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

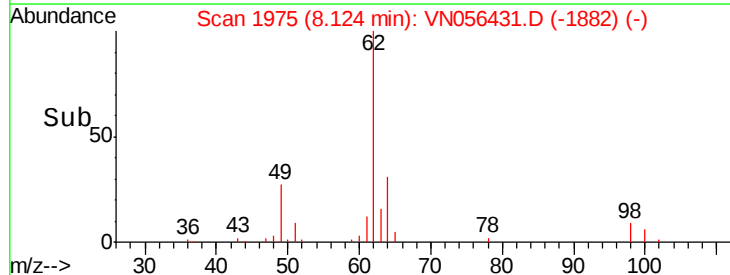
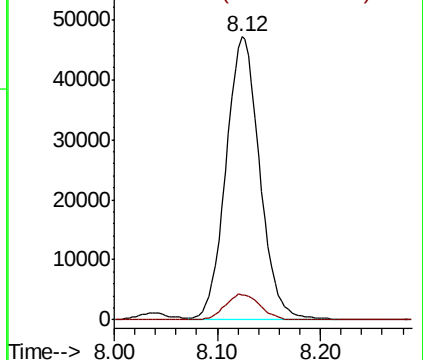


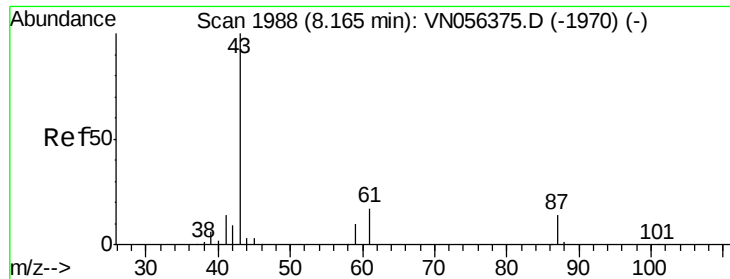
#42
1,2-Dichloroethane
Concen: 20.234 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 62 Resp: 107437
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.593 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

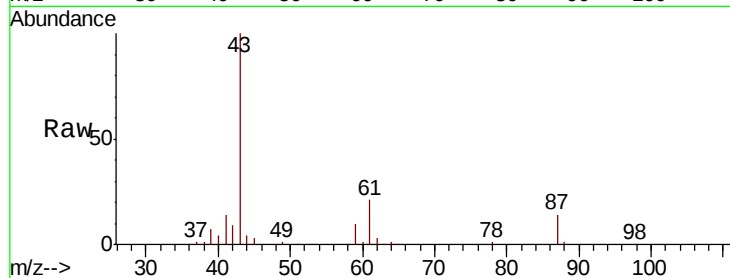
MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion: 43 Resp: 163223

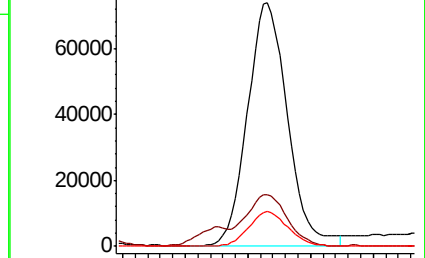
Ion	Ratio	Lower	Upper
43	100		
61	21.2	22.0	33.0#
87	14.3	11.0	16.4



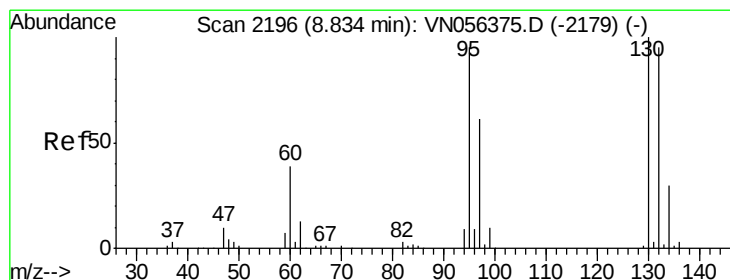
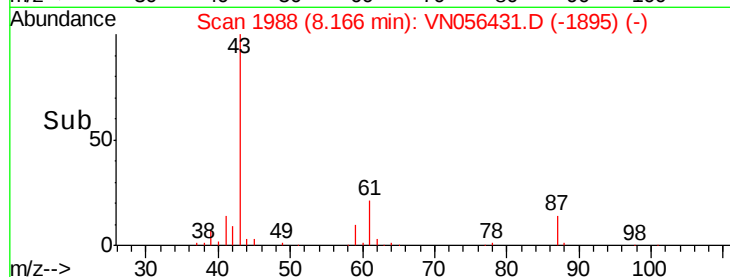
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->



#44

Trichloroethene

Concen: 19.943 ug/l

RT: 8.83 min Scan# 2196

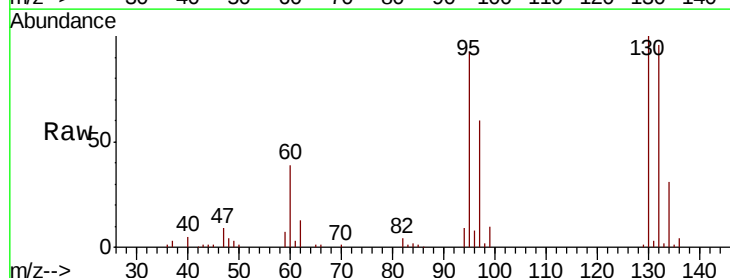
Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

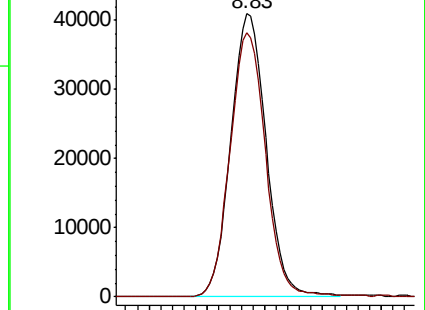
Tgt Ion:130 Resp: 86433

Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	191.0

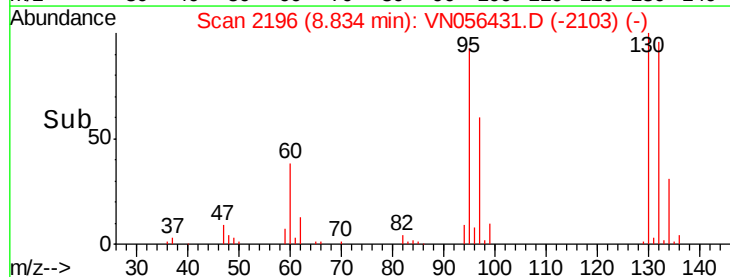


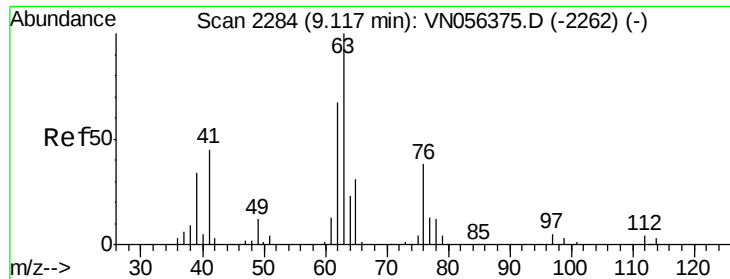
Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



Time-->





#45

1,2-Dichloropropane

Concen: 20.434 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

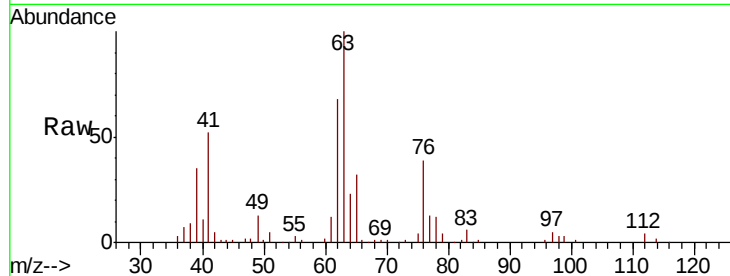
VN0621WBSD02

Tot Ion: 63 Resp: 87922

Ion Ratio Lower Upper

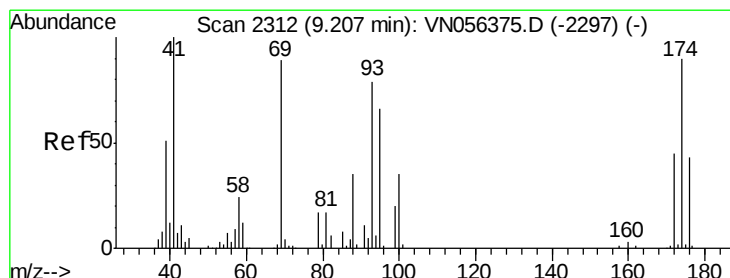
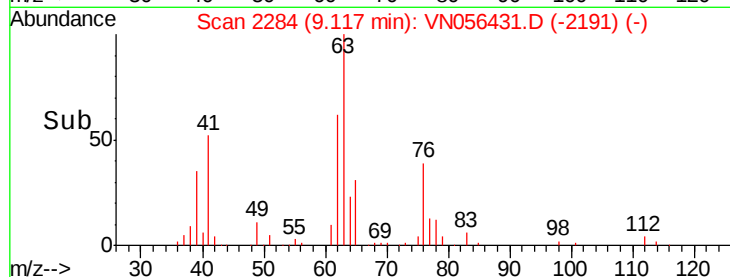
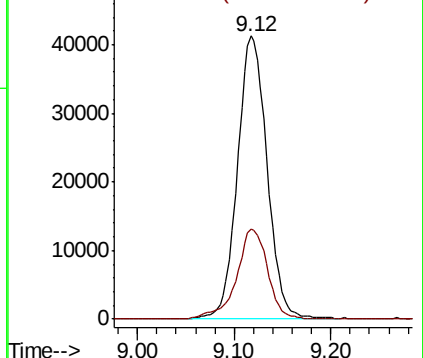
63 100

65 31.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.784 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

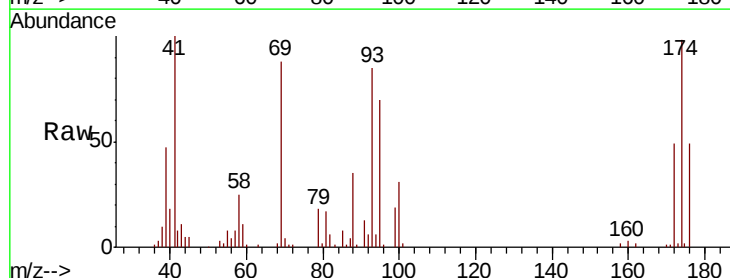
Tgt Ion: 93 Resp: 55949

Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.2

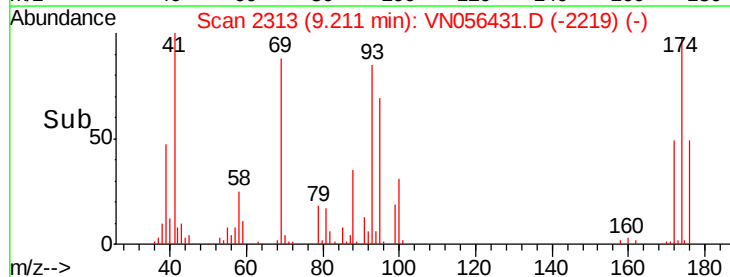
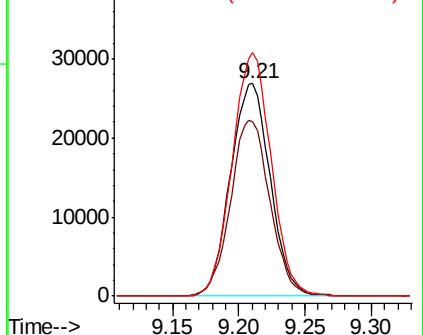
174 112.8 90.8 136.2

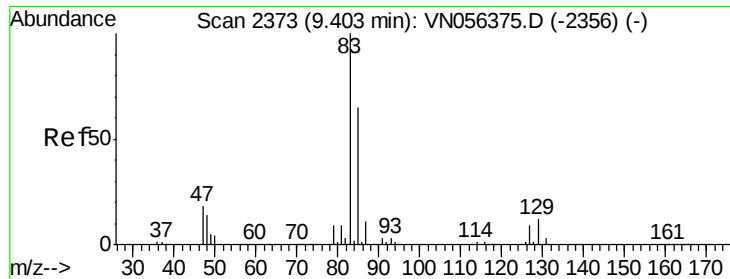


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.879 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

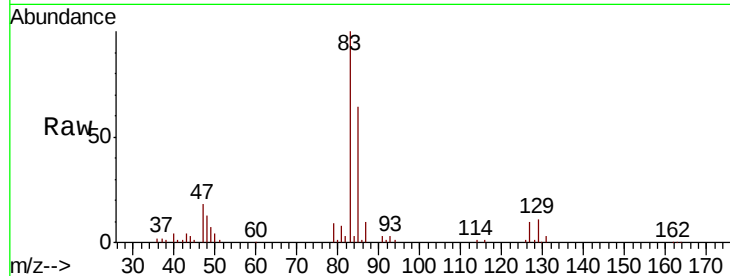
Tot Ion: 83 Resp: 94911

Ion Ratio Lower Upper

83 100

85 64.5 52.2 78.4

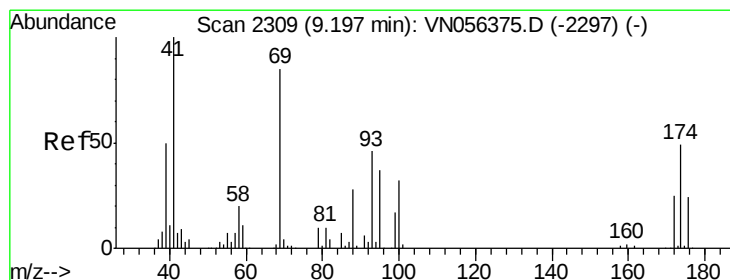
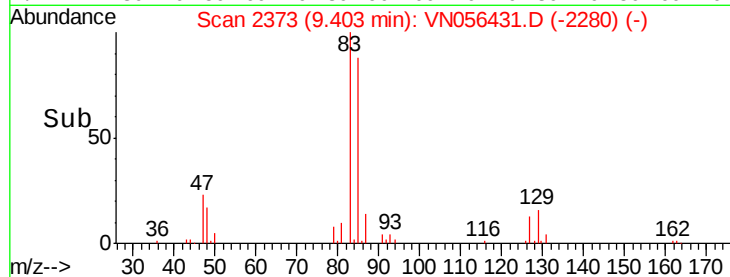
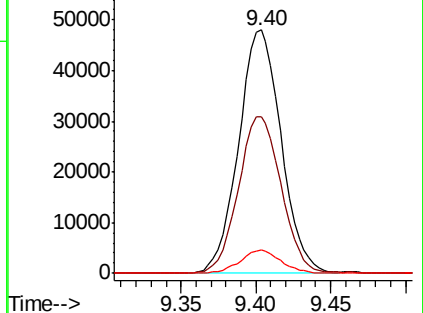
127 9.6 7.3 10.9



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: 20.807 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

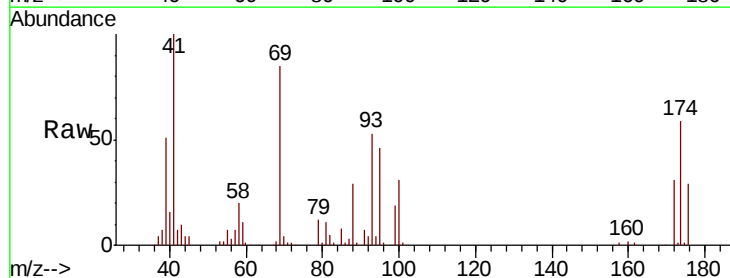
Tgt Ion: 41 Resp: 82642

Ion Ratio Lower Upper

41 100

69 86.5 72.6 109.0

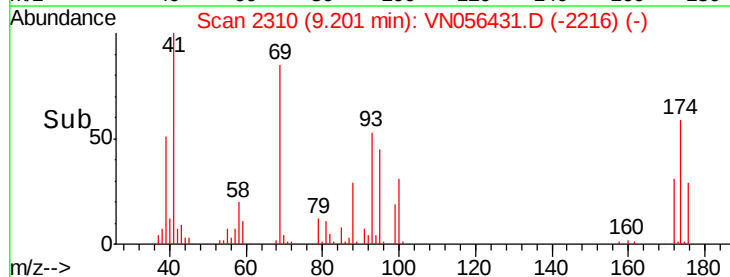
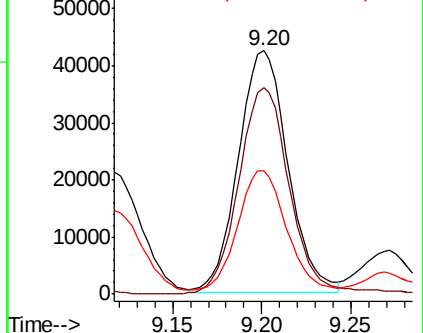
39 50.6 42.6 63.8

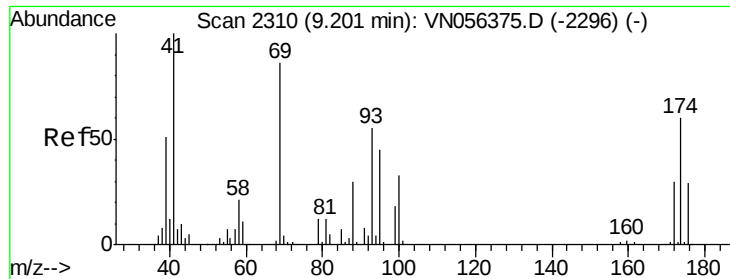


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 375.528 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

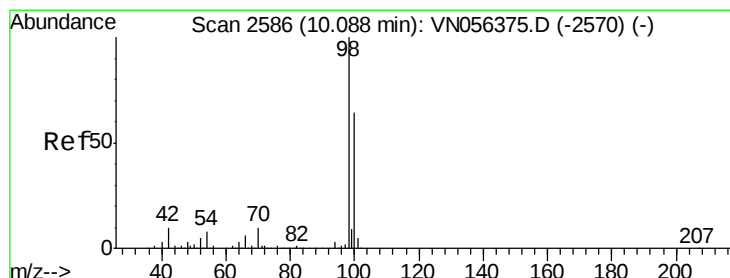
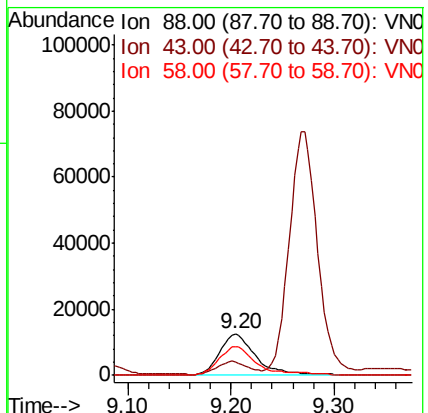
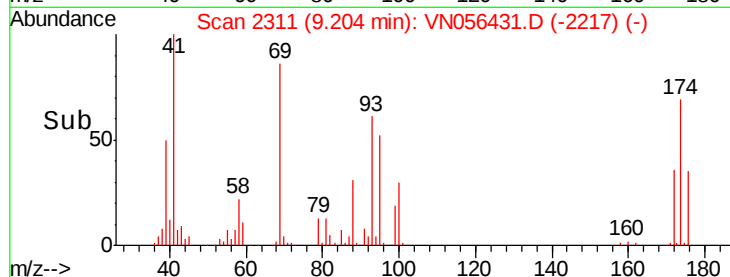
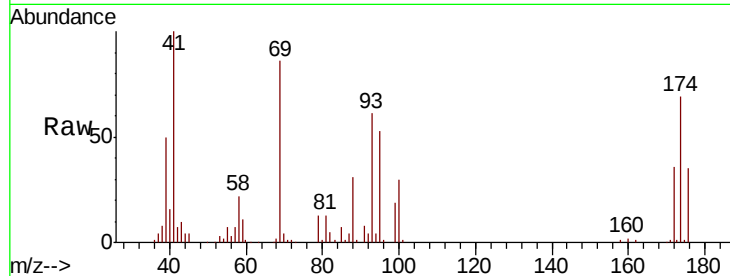
Tot Ion: 88 Resp: 30953

Ion Ratio Lower Upper

88 100

43 26.5 22.0 33.0

58 73.4 51.8 77.8



#50

Toluene-d8

Concen: 49.573 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056431.D

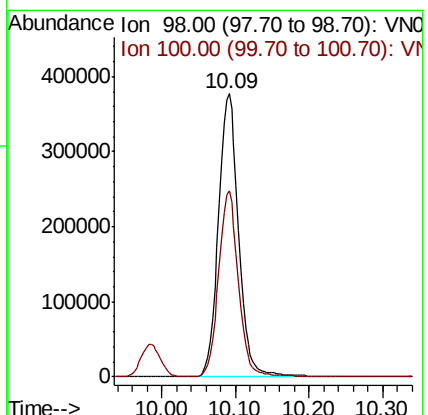
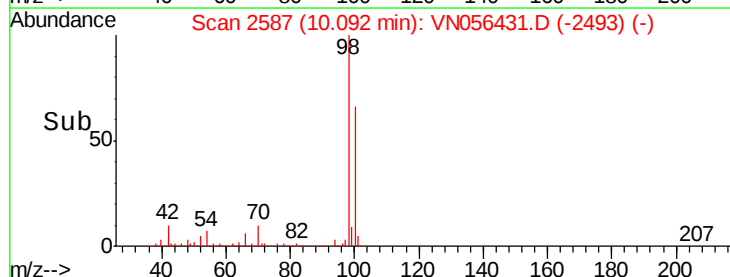
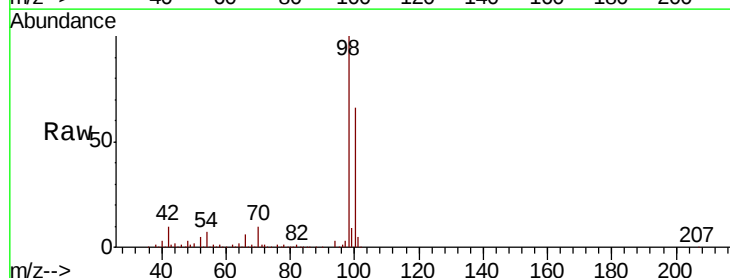
Acq: 21 Jun 2019 17:13

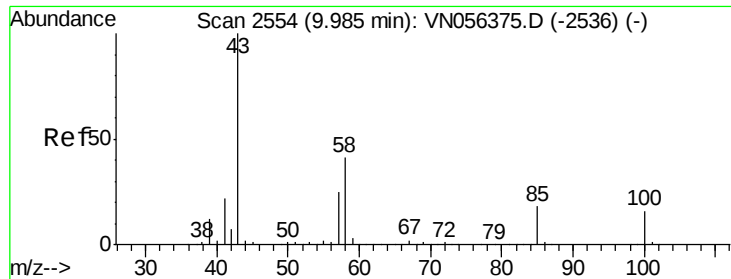
Tgt Ion: 98 Resp: 715075

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 103.290 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

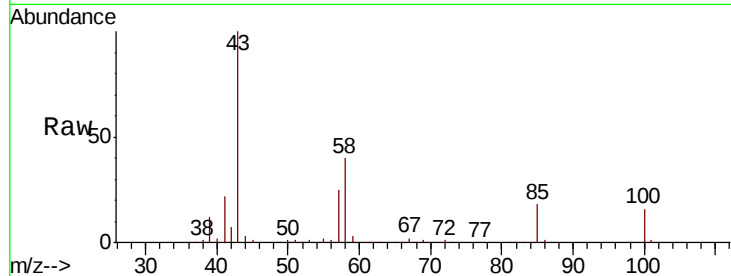
VN0621WBSD02

Tot Ion: 43 Resp: 528404

Ion Ratio Lower Upper

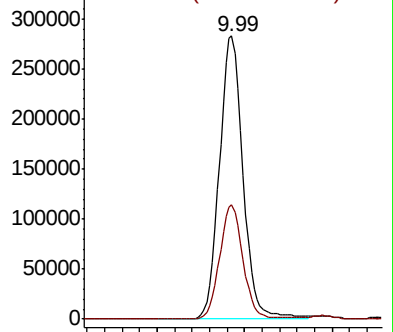
43 100

58 39.9 31.8 47.8

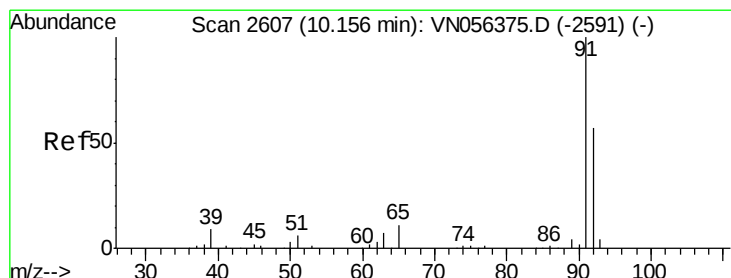
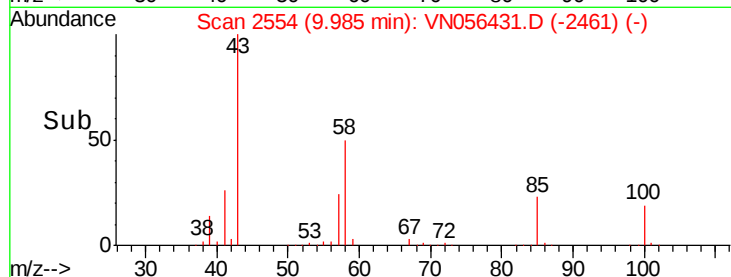


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.176 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056431.D

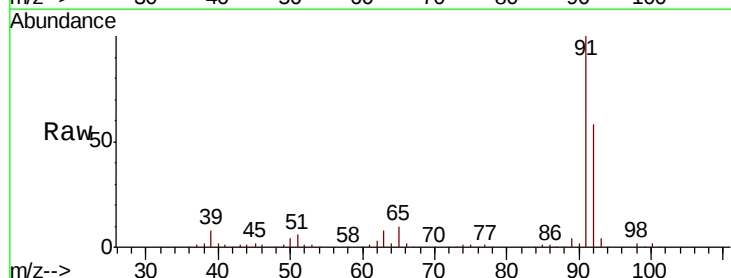
Acq: 21 Jun 2019 17:13

Tgt Ion: 92 Resp: 198461

Ion Ratio Lower Upper

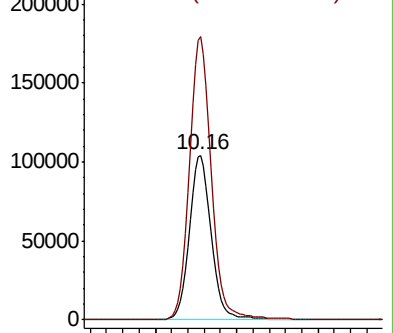
92 100

91 172.5 140.6 211.0

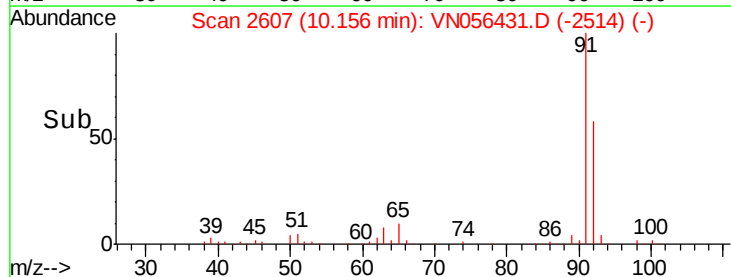


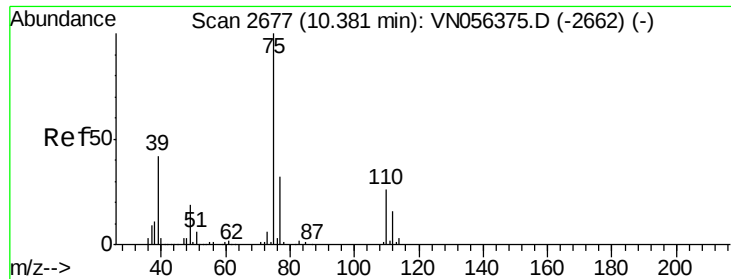
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 19.233 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

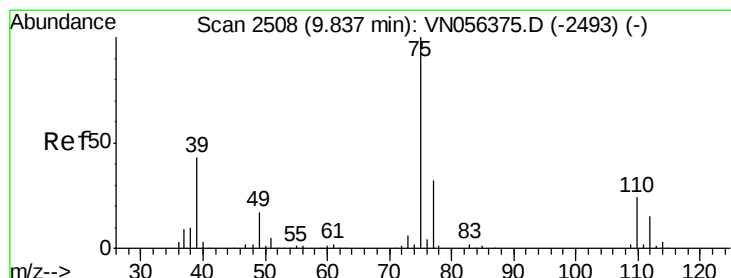
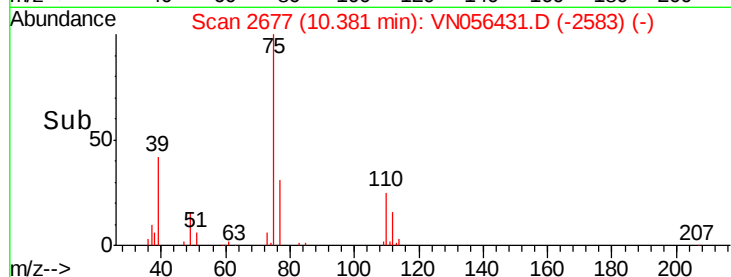
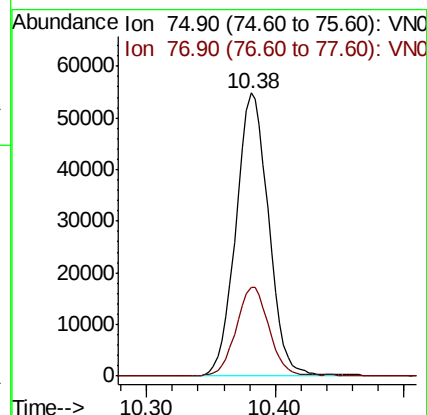
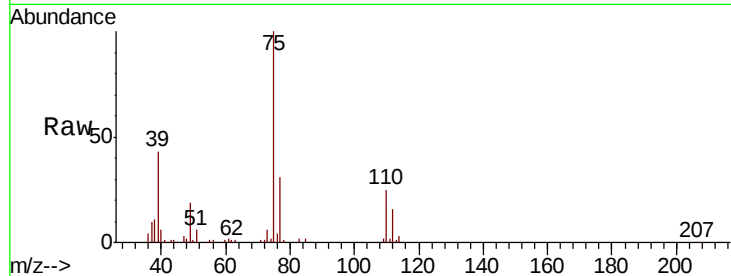
VN0621WBSD02

Tot Ion: 75 Resp: 96451

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.239 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

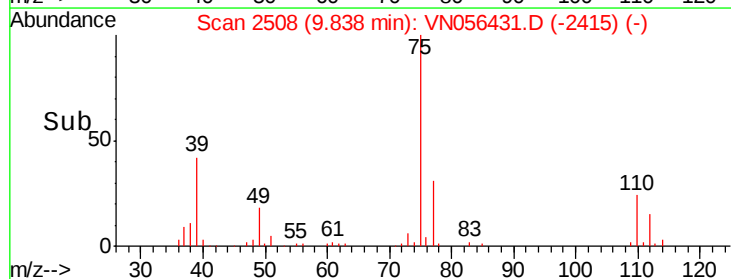
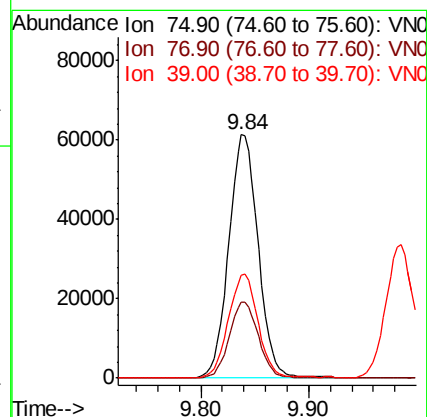
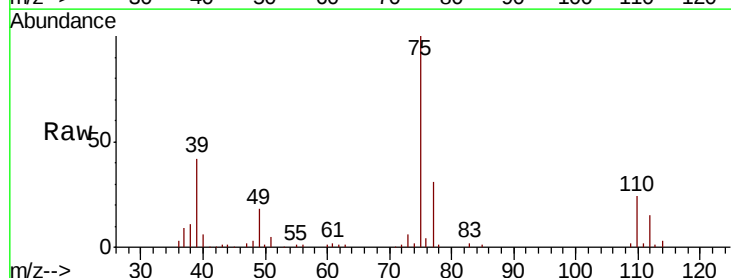
Tgt Ion: 75 Resp: 116363

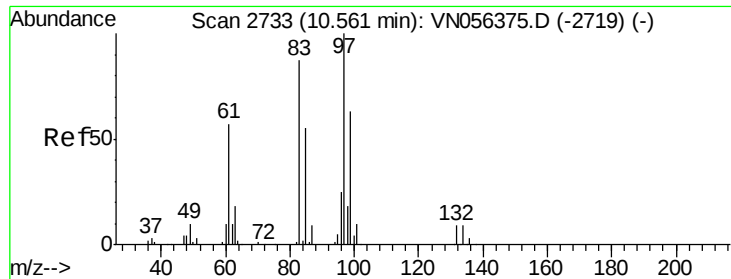
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 42.4 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 20.749 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion: 97 Resp: 82036

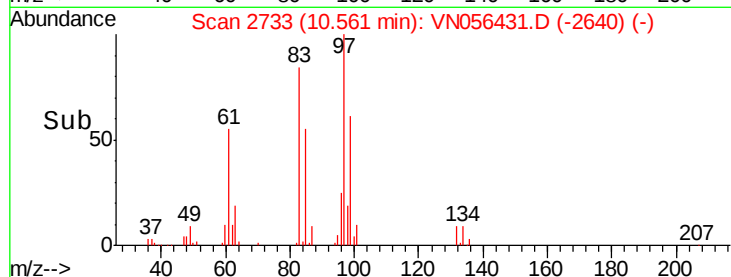
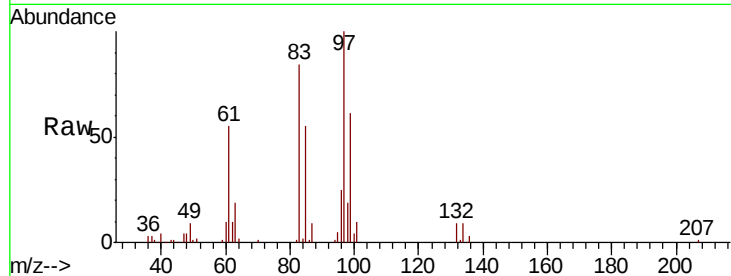
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.8	104.6
85	55.4	43.8	65.8
99	60.8	50.2	75.2

97 100

83 84.4 69.8 104.6

85 55.4 43.8 65.8

99 60.8 50.2 75.2

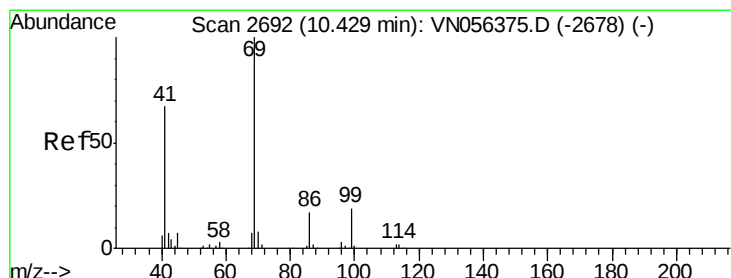
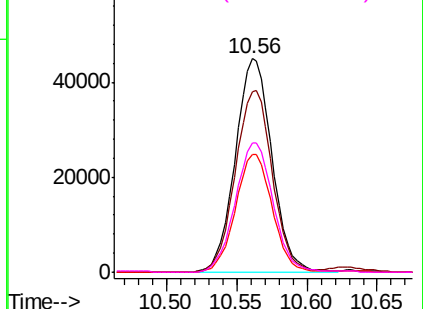


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.806 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

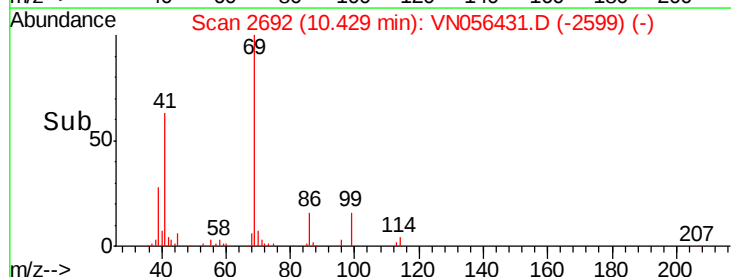
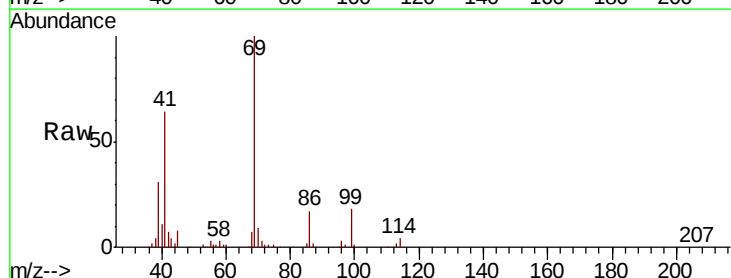
Tgt Ion: 69 Resp: 120222

Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.4	77.2
39	30.1	24.7	37.1

69 100

41 63.0 51.4 77.2

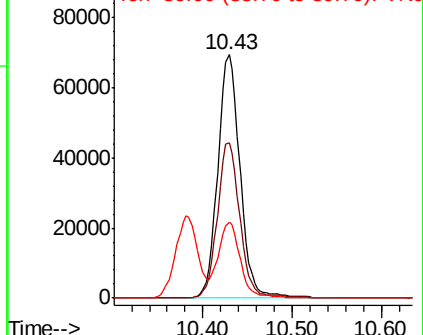
39 30.1 24.7 37.1

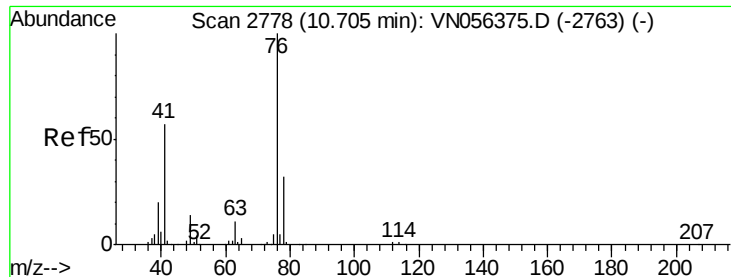


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.470 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

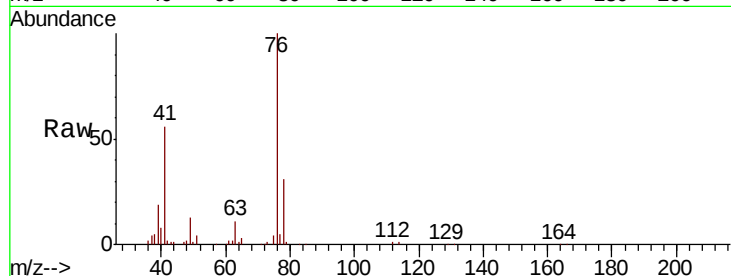
VN0621WBSD02

Tot Ion: 76 Resp: 135964

Ion Ratio Lower Upper

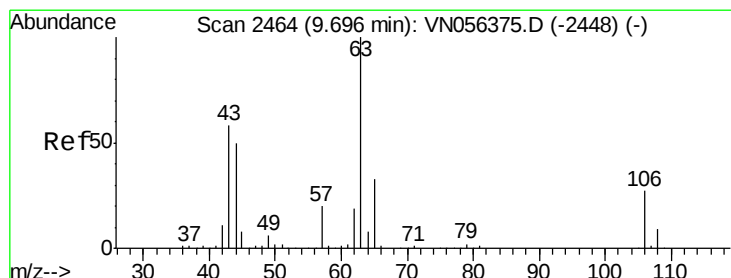
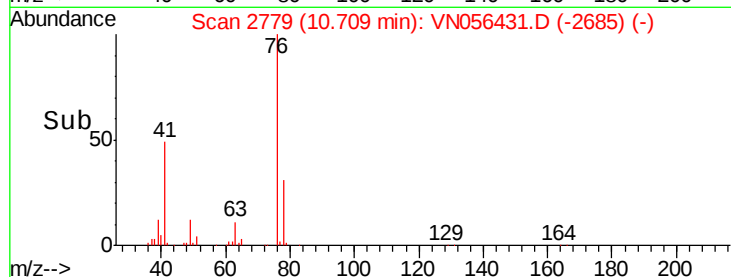
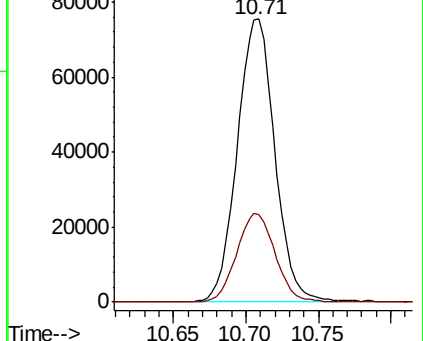
76 100

78 32.1 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 96.405 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056431.D

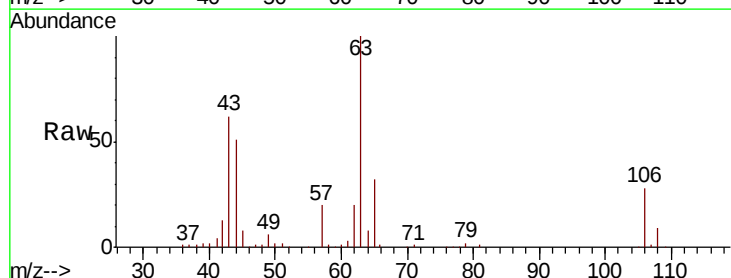
Acq: 21 Jun 2019 17:13

Tgt Ion: 63 Resp: 200120

Ion Ratio Lower Upper

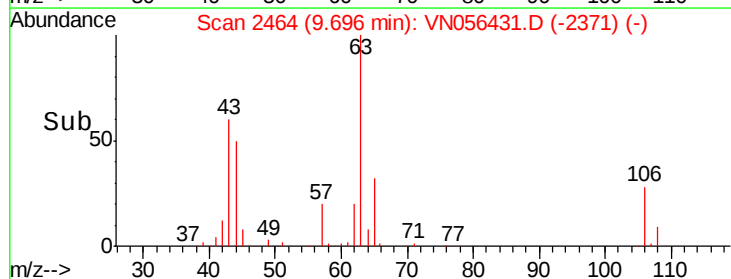
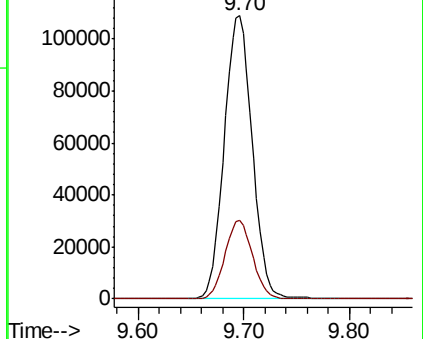
63 100

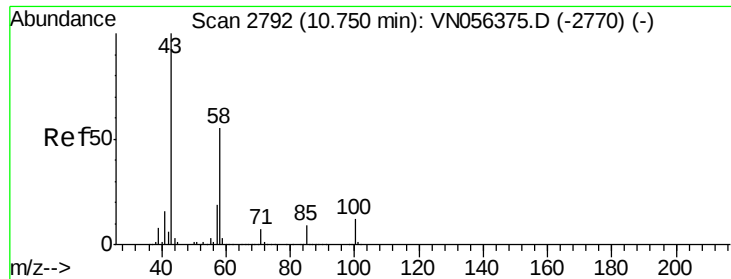
106 27.2 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

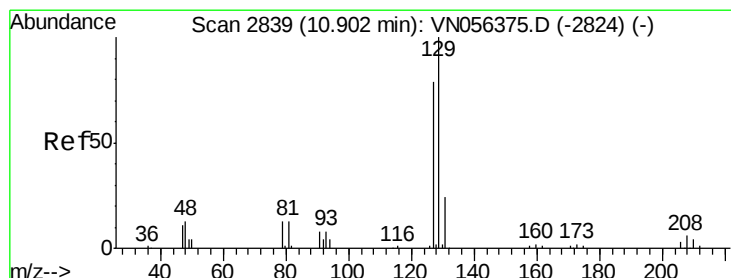
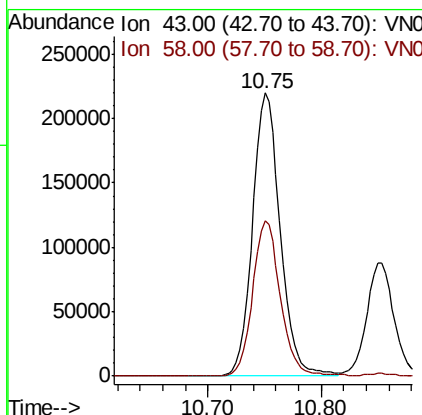
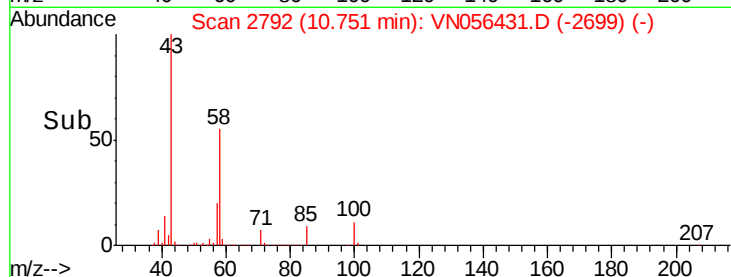
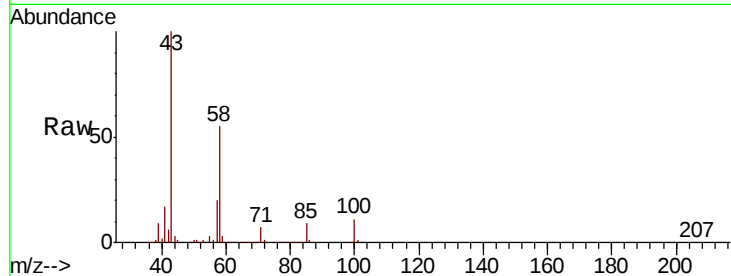




#59
2-Hexanone
Concen: 98.998 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

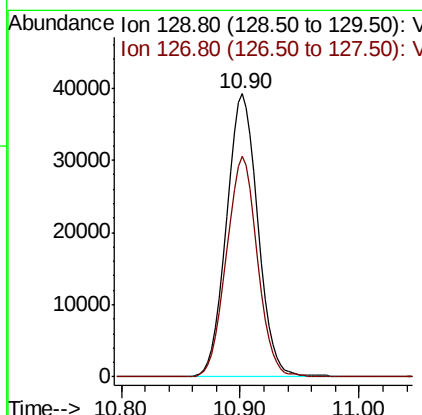
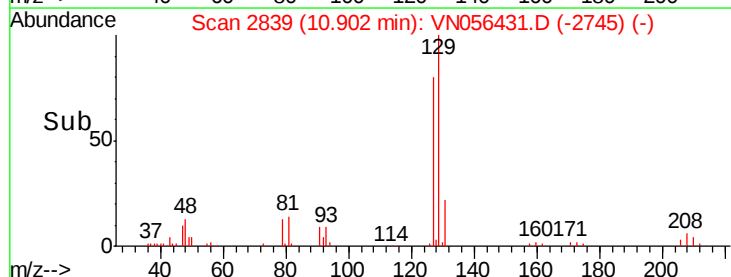
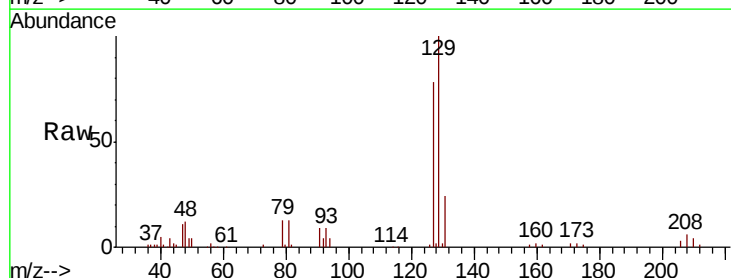
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

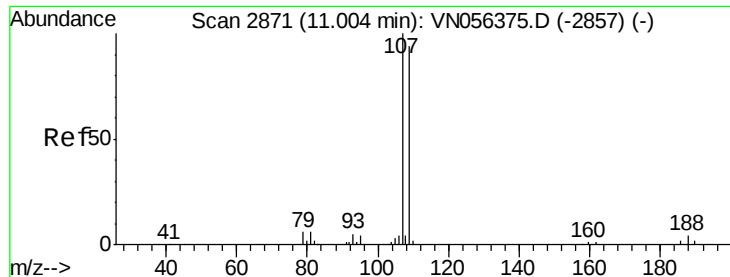
Tot Ion: 43 Resp: 372223
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4



#60
Dibromochloromethane
Concen: 19.151 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 129 Resp: 71558
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.723 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

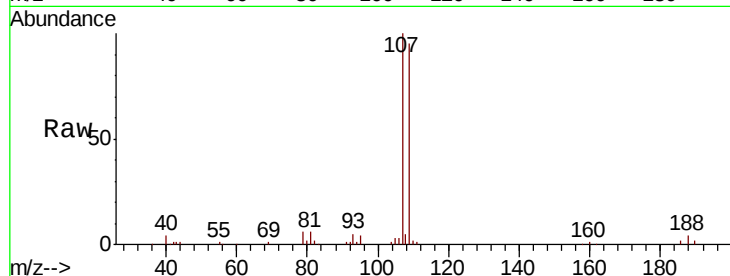
VN0621WBSD02

Tot Ion:107 Resp: 83684

Ion Ratio Lower Upper

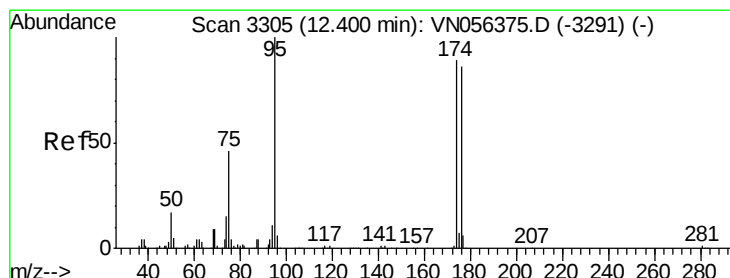
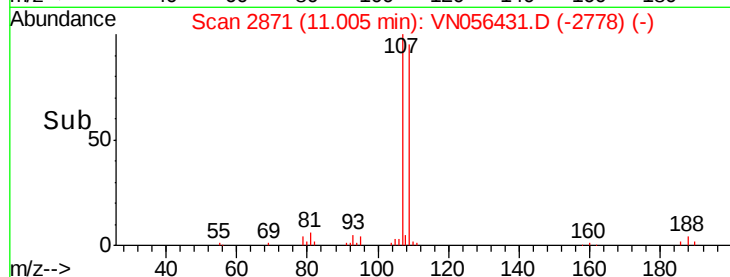
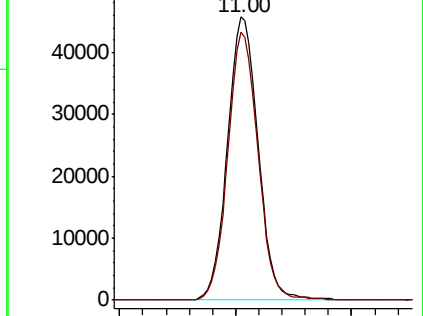
107 100

109 93.3 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.627 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

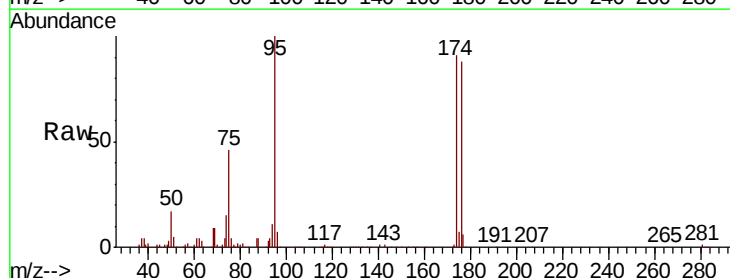
Tgt Ion: 95 Resp: 233829

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.4

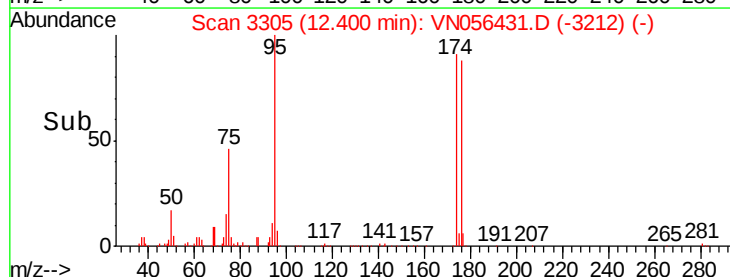
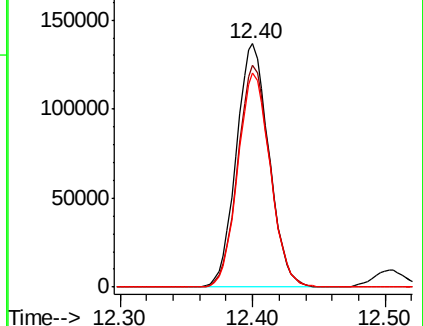
176 87.4 0.0 173.4

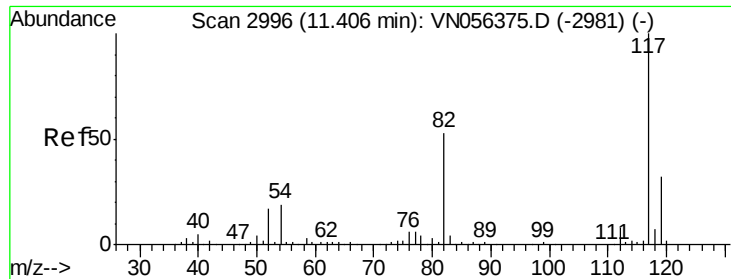


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

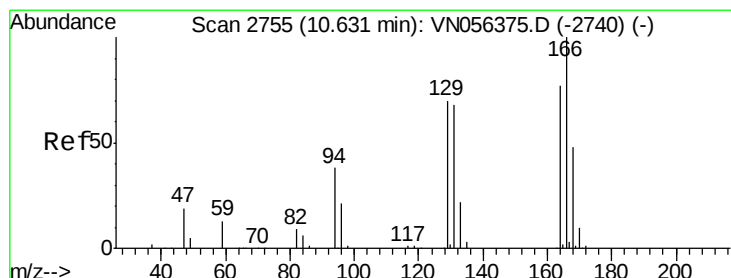
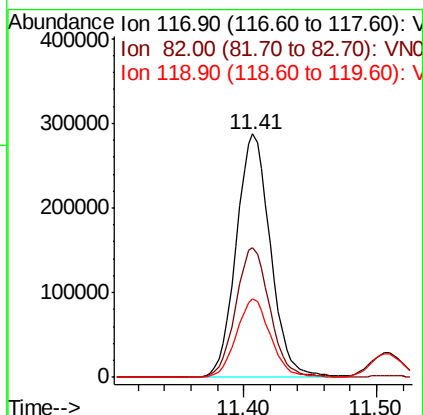
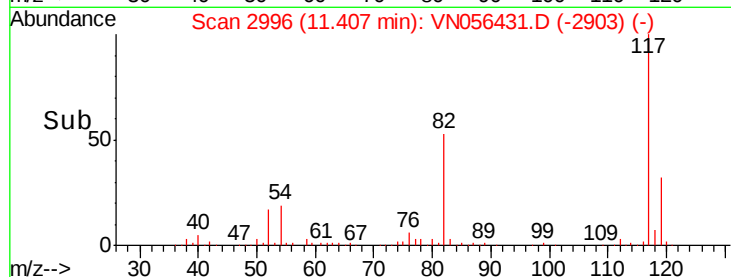
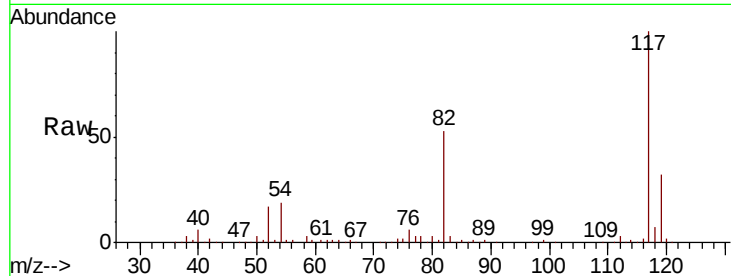




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

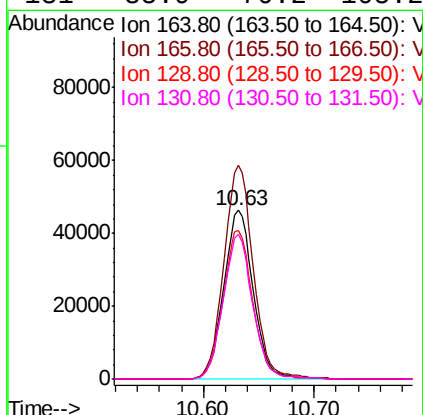
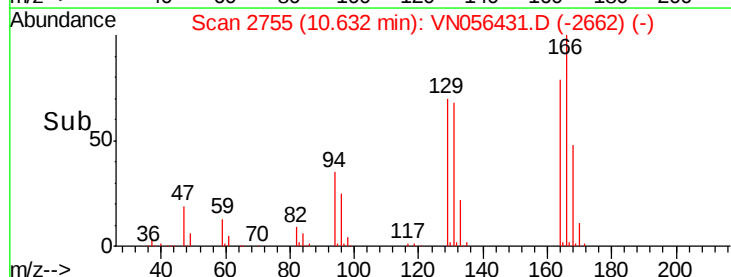
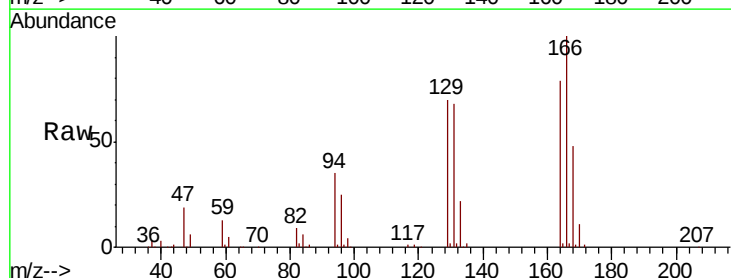
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

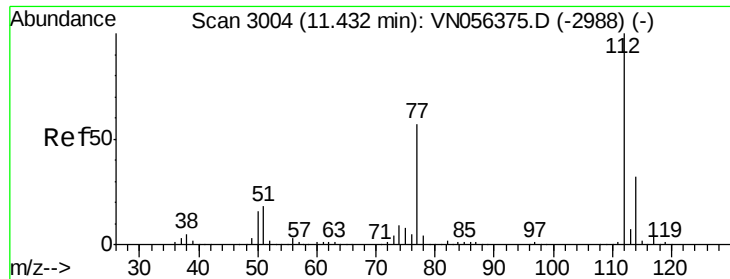
Tot Ion:117 Resp: 514224
Ion Ratio Lower Upper
117 100
82 53.5 42.0 63.0
119 32.1 25.3 37.9



#64
Tetrachloroethene
Concen: 21.073 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion:164 Resp: 85816
Ion Ratio Lower Upper
164 100
166 126.7 103.4 155.0
129 88.5 72.0 108.0
131 85.9 70.2 105.2

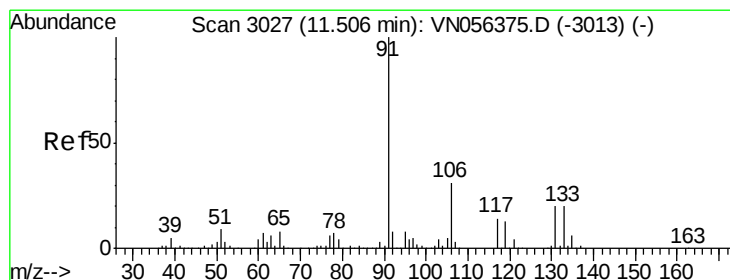
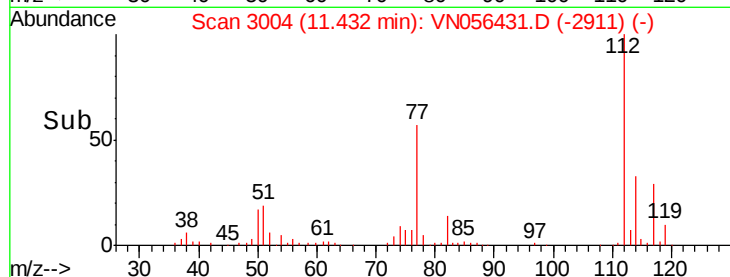
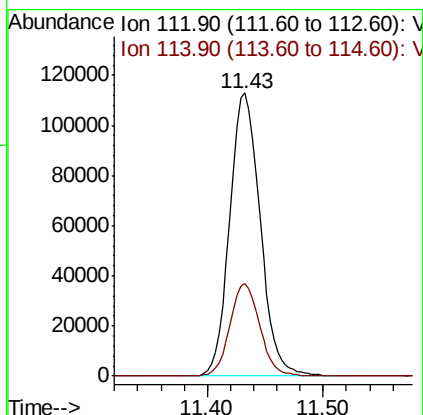
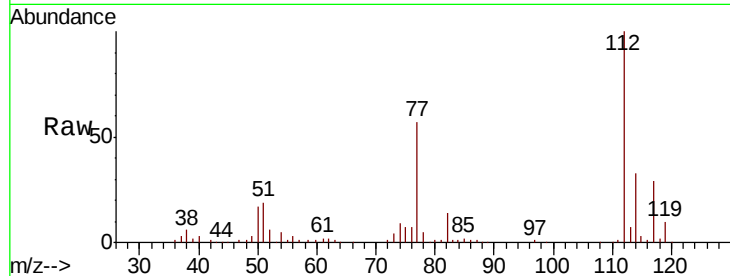




#65
Chlorobenzene
Concen: 19.943 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

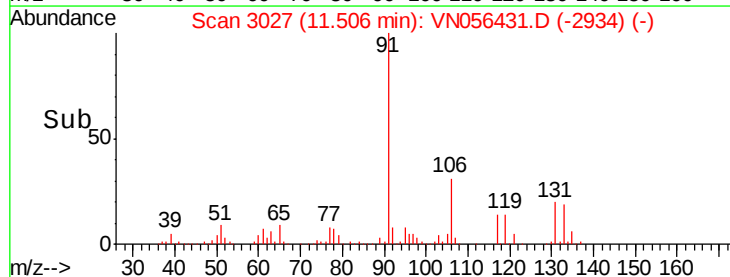
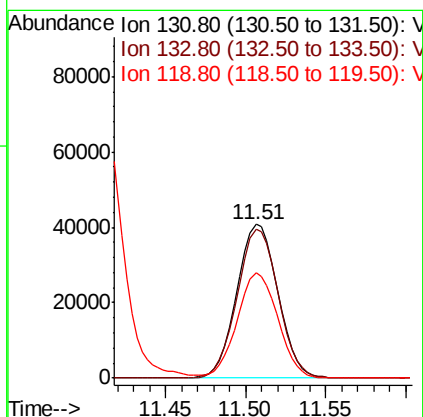
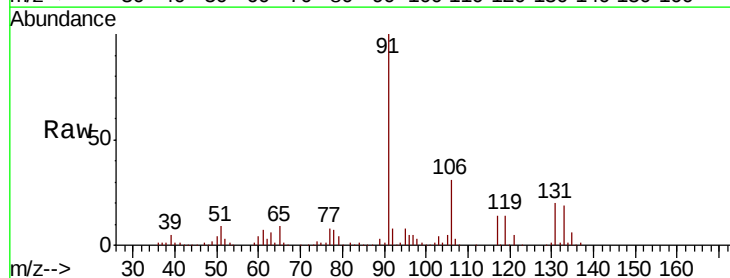
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

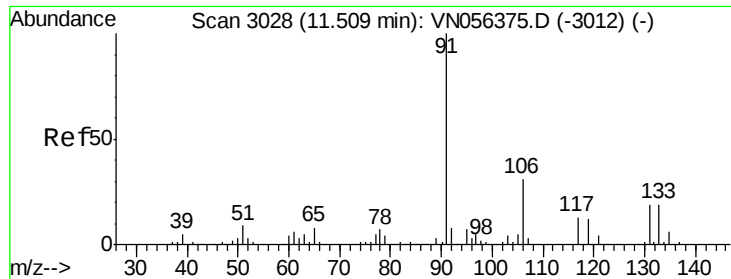
Tot Ion:112 Resp: 206066
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.446 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion:131 Resp: 71400
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.2
119 68.2 32.8 98.4

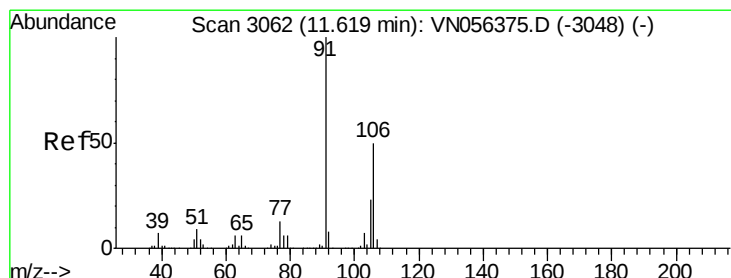
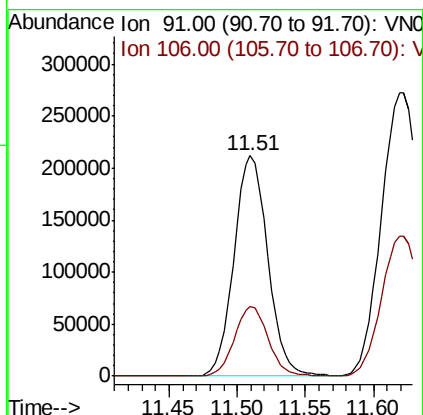
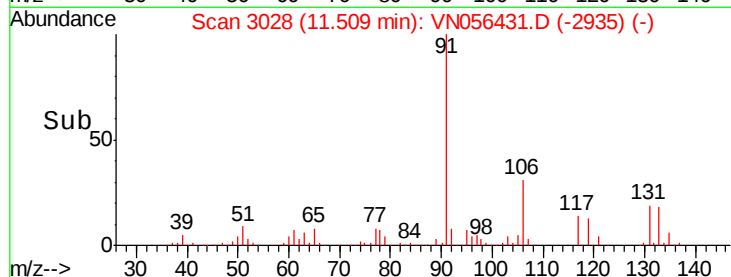
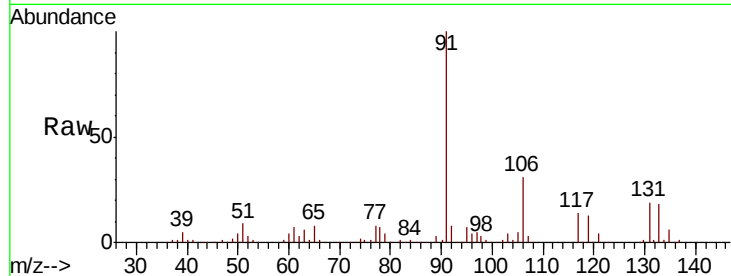




#67
Ethyl Benzene
Concen: 20.135 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

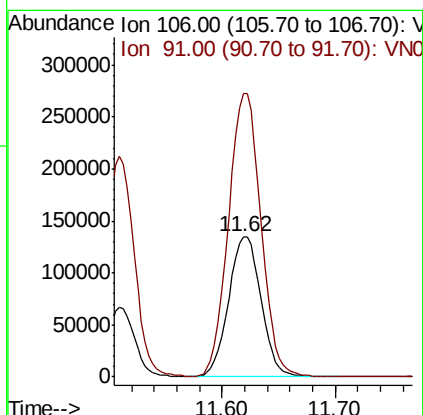
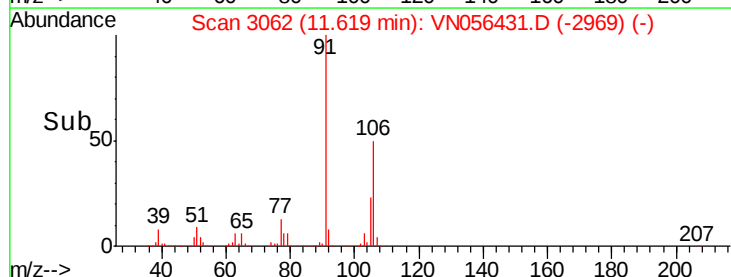
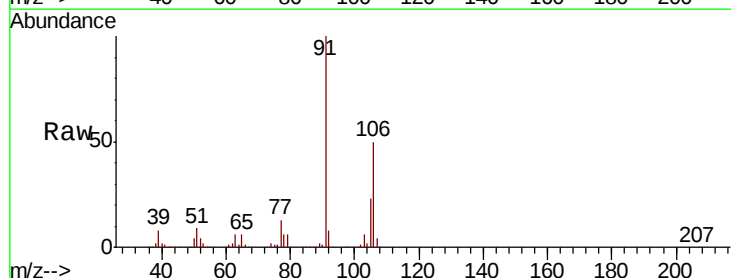
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

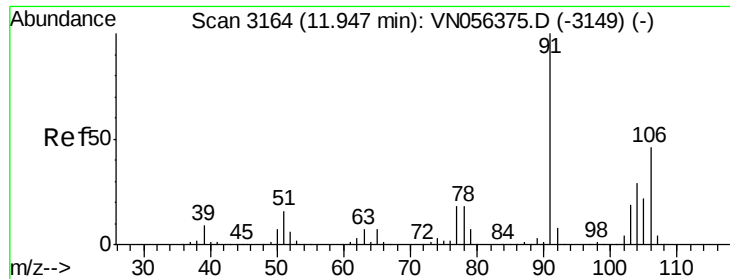
Tot Ion: 91 Resp: 365296
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 40.622 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 106 Resp: 270090
Ion Ratio Lower Upper
106 100
91 202.0 160.1 240.1

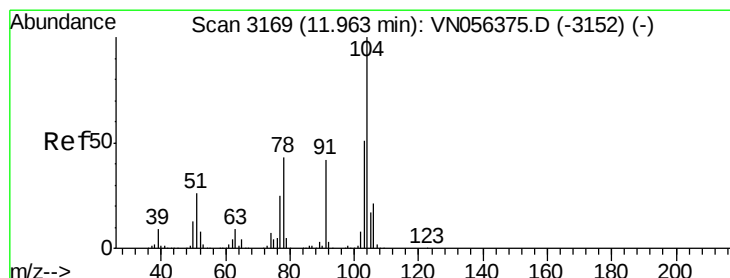
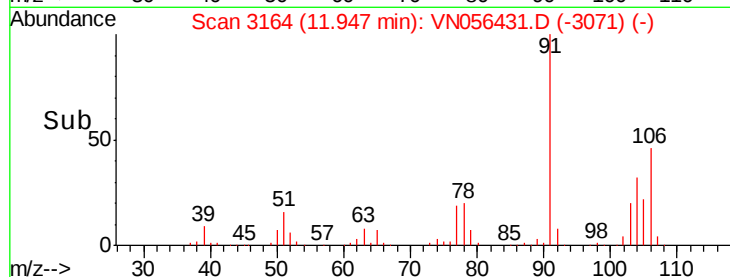
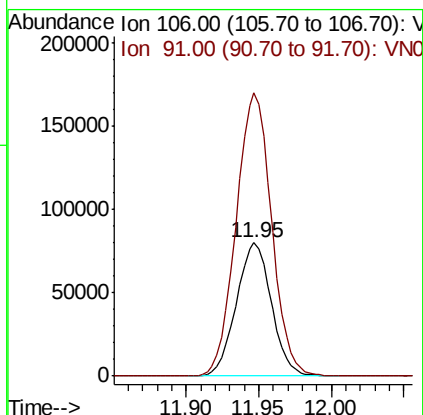
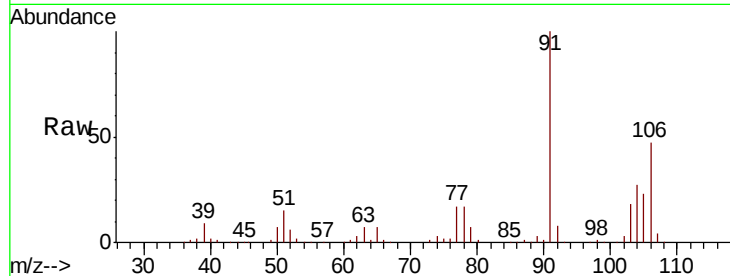




#69
o-Xylene
Concen: 20.444 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

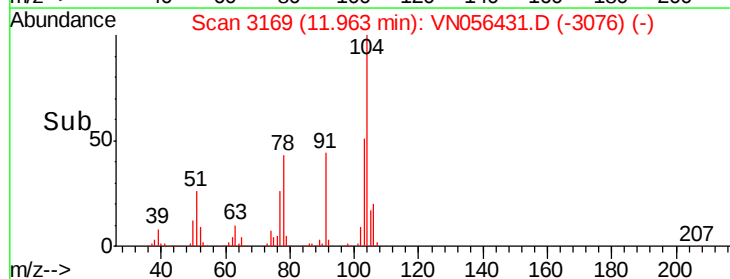
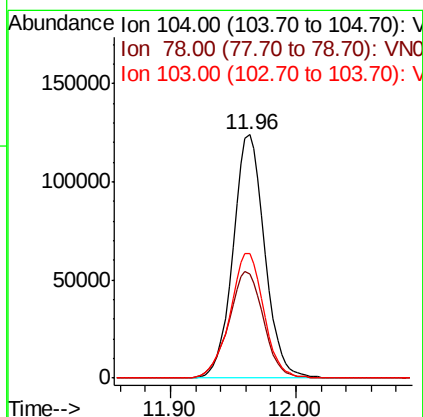
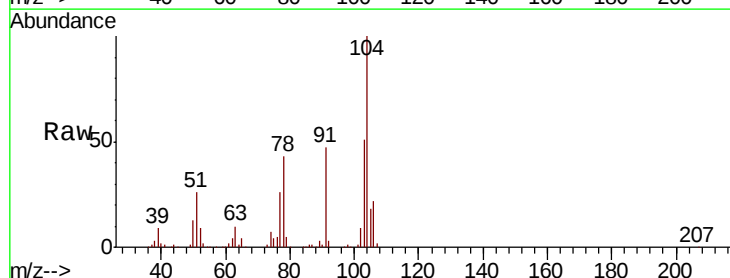
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

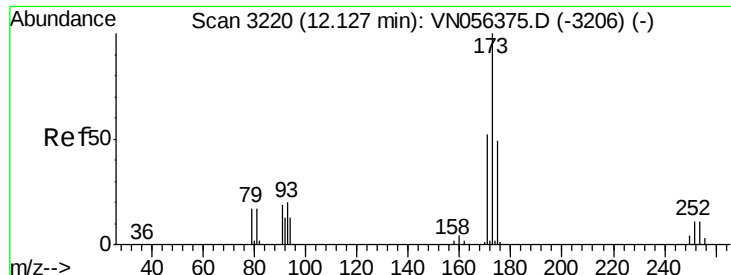
Tot Ion:106 Resp: 134482
Ion Ratio Lower Upper
106 100
91 214.3 107.1 321.3



#70
Styrene
Concen: 20.654 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion:104 Resp: 217163
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 54.7 43.9 65.9

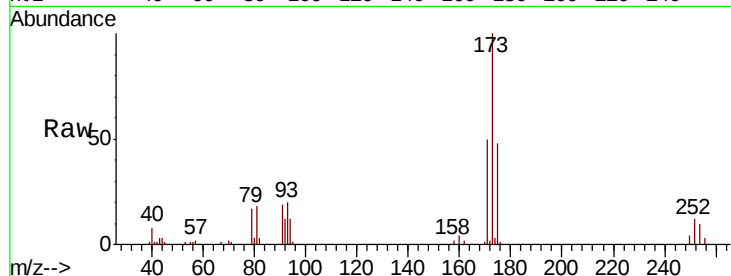




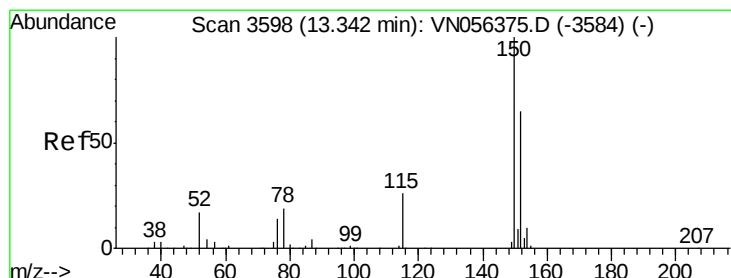
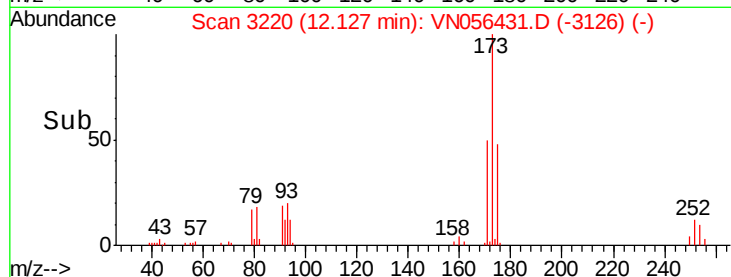
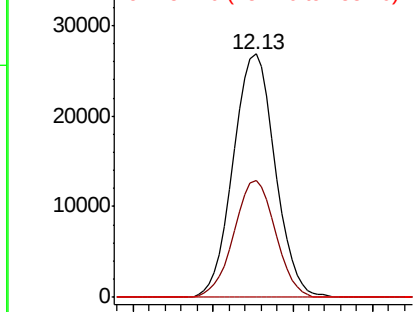
#71
Bromoform
Concen: 19.061 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion:173 Resp: 47855
Ion Ratio Lower Upper
173 100
175 47.6 24.4 73.4
254 0.0 0.0 0.0

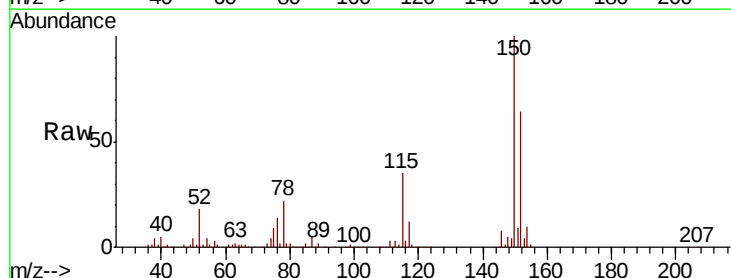


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

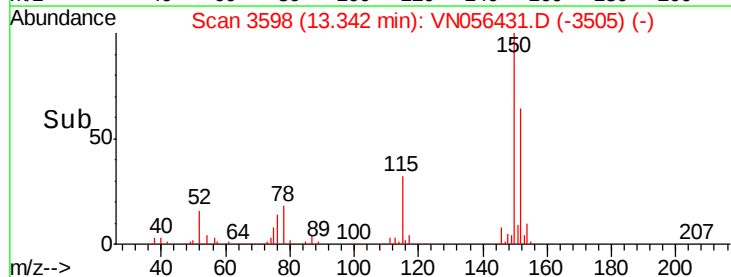
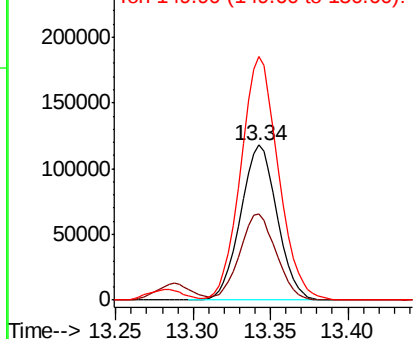


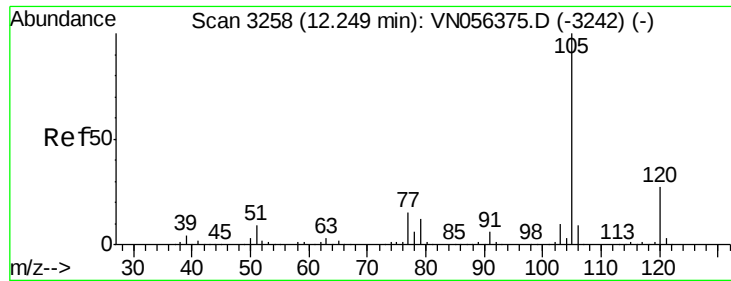
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion:152 Resp: 194110
Ion Ratio Lower Upper
152 100
115 55.4 28.1 84.4
150 161.8 0.0 348.4



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





#73

Isopropylbenzene

Concen: 22.989 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

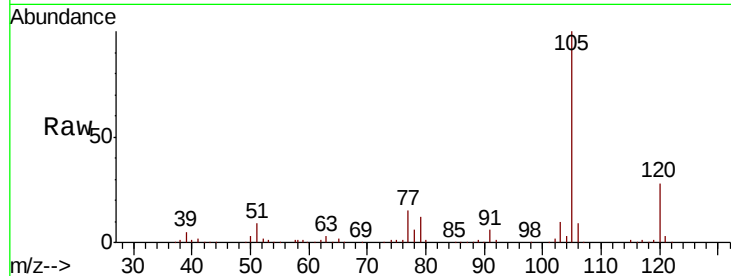
VN0621WBSD02

Tot Ion:105 Resp: 356342

Ion Ratio Lower Upper

105 100

120 27.2 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

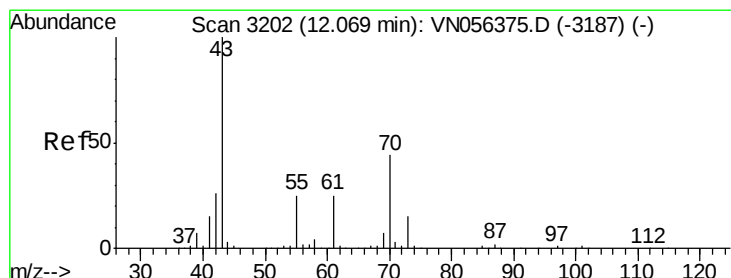
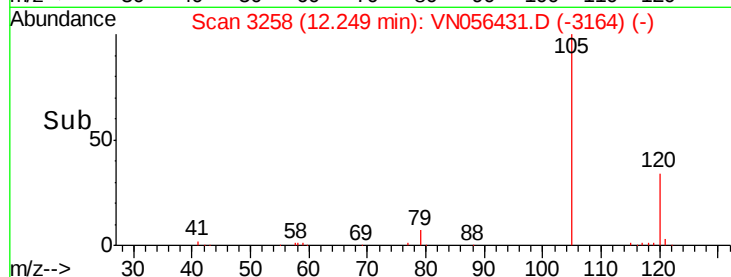
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.843 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Tgt Ion: 43 Resp: 128760

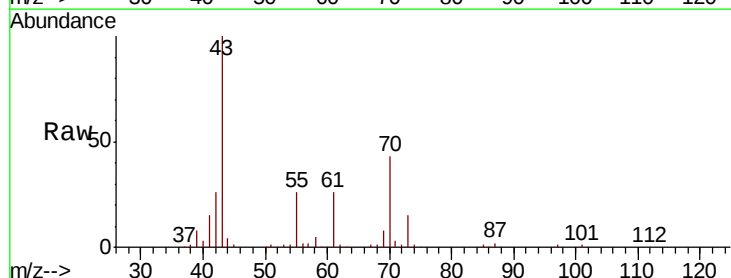
Ion Ratio Lower Upper

43 100

70 43.9 34.9 52.3

55 25.9 20.4 30.6

61 24.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

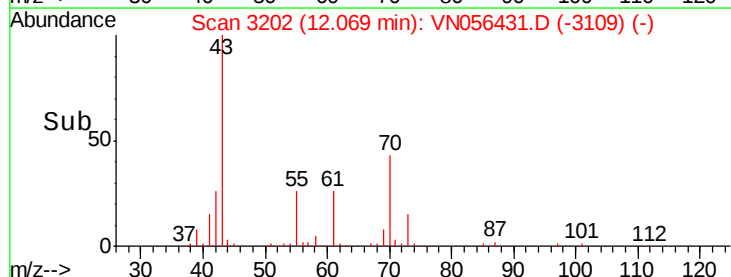
40000

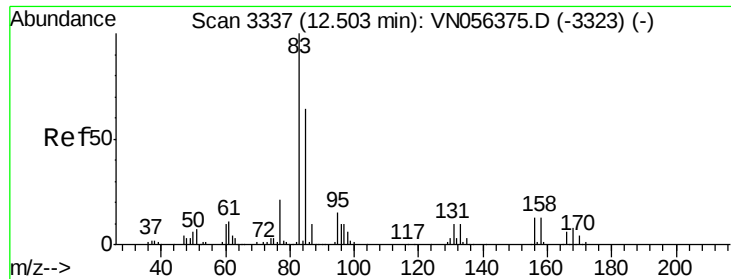
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.371 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

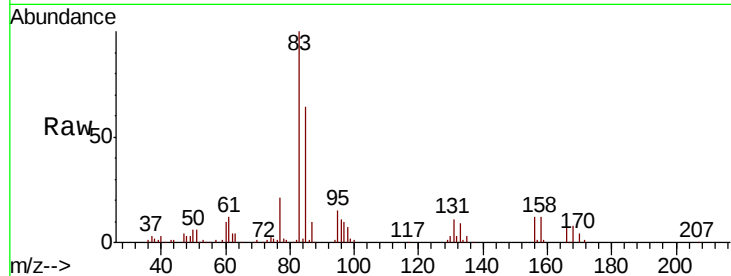
Tot Ion: 83 Resp: 112877

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.8

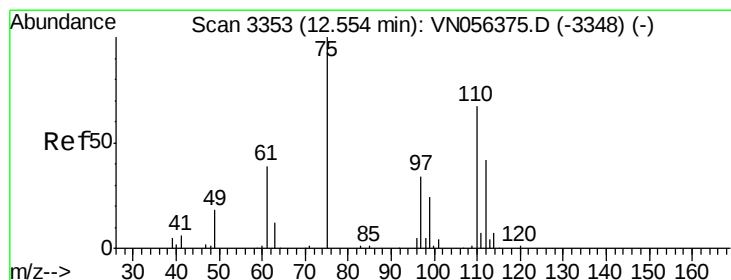
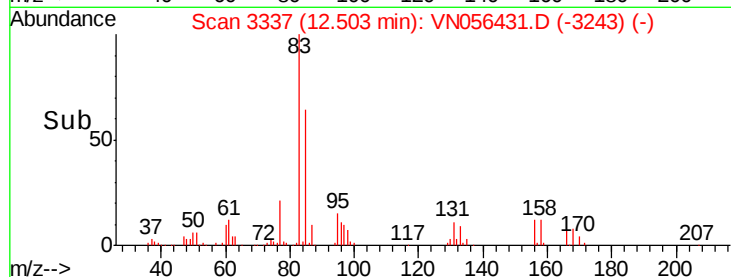
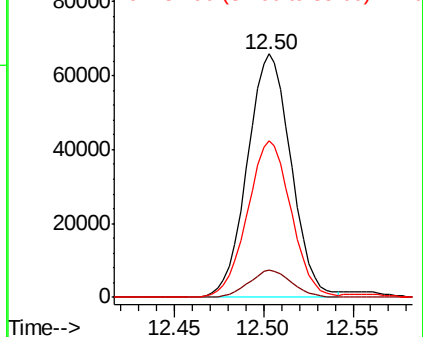
85 64.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.330 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056431.D

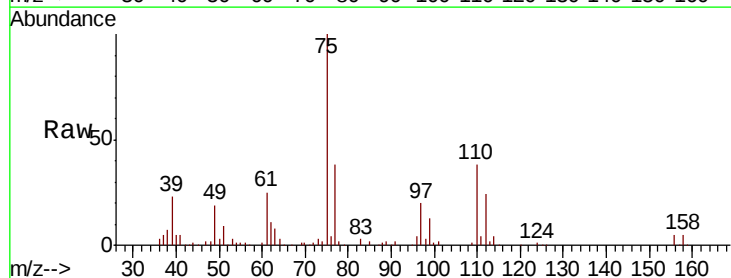
Acq: 21 Jun 2019 17:13

Tgt Ion: 75 Resp: 126100

Ion Ratio Lower Upper

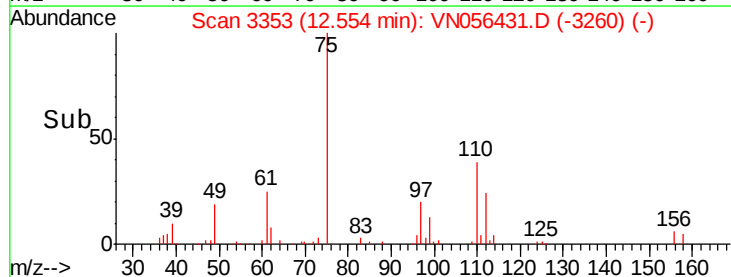
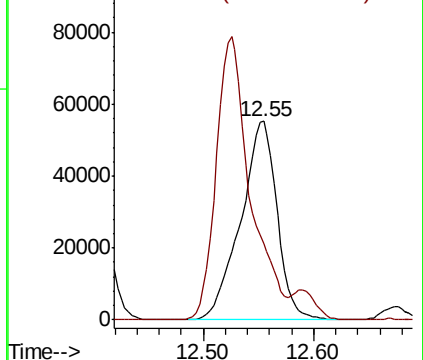
75 100

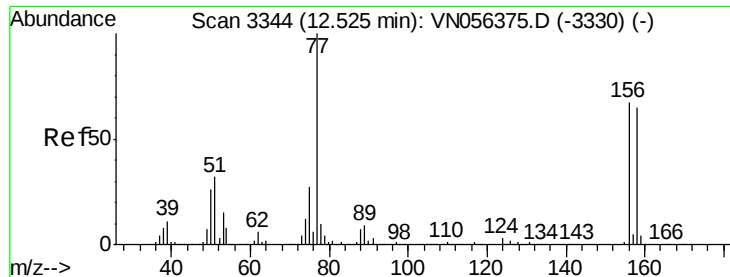
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.123 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

VN0621WBSD02

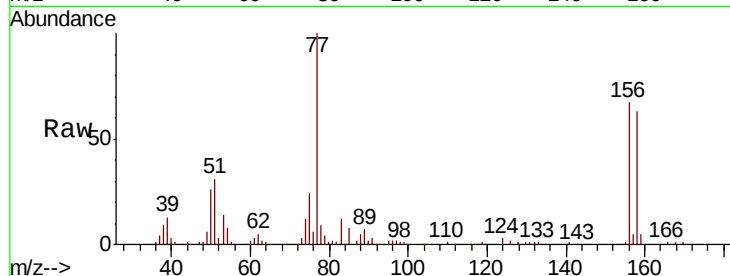
Tot Ion:156 Resp: 91682

Ion Ratio Lower Upper

156 100

77 183.8 92.5 277.3

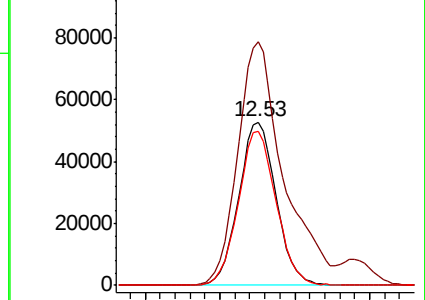
158 95.0 48.7 146.1



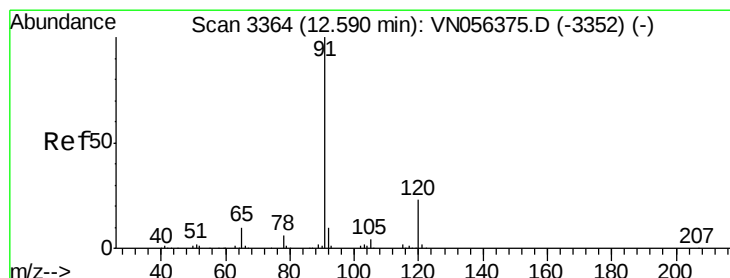
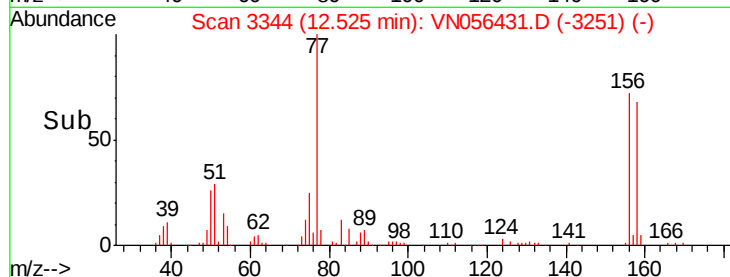
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.791 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056431.D

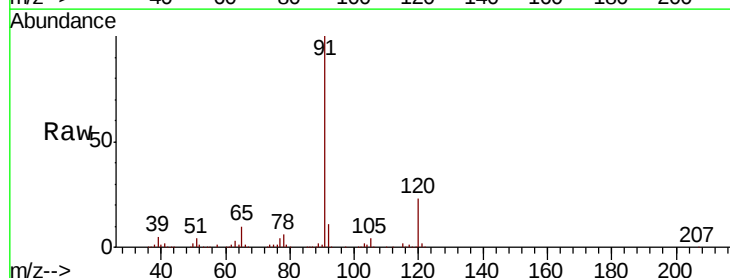
Acq: 21 Jun 2019 17:13

Tgt Ion: 91 Resp: 369575

Ion Ratio Lower Upper

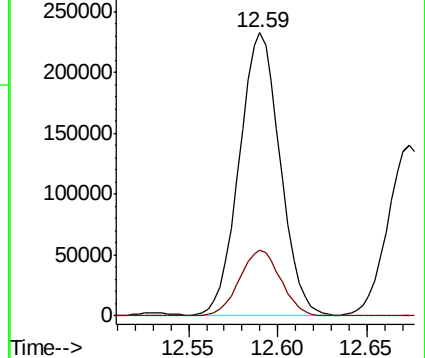
91 100

120 23.6 11.8 35.4

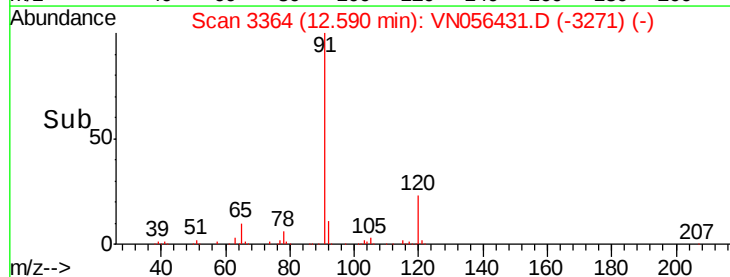


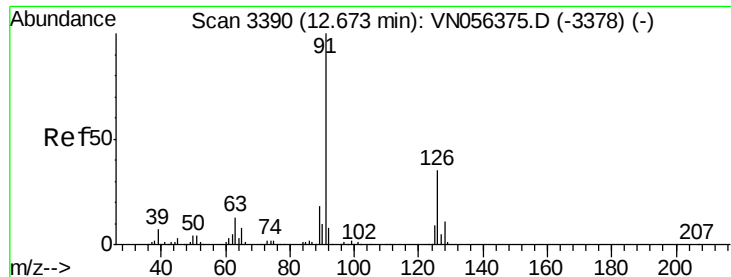
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 22.365 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

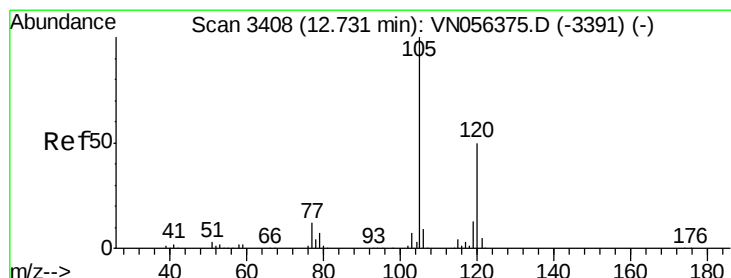
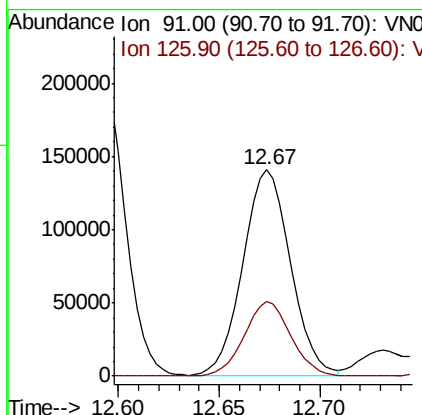
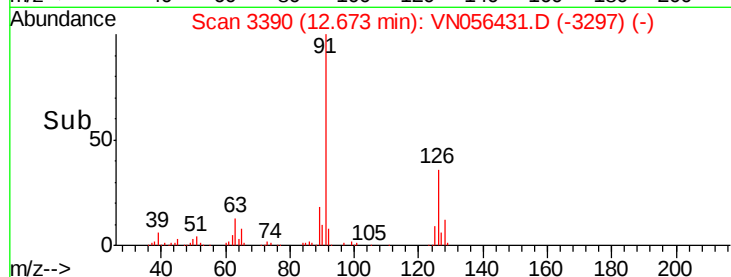
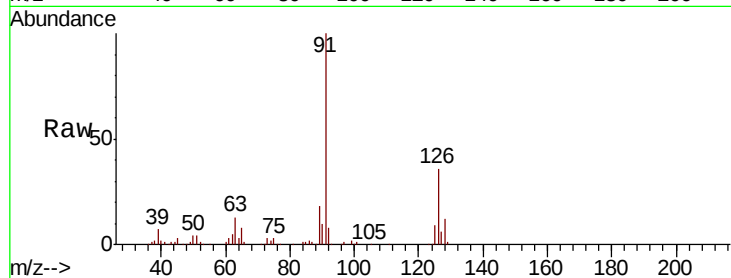
VN0621WBSD02

Tot Ion: 91 Resp: 231625

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.471 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056431.D

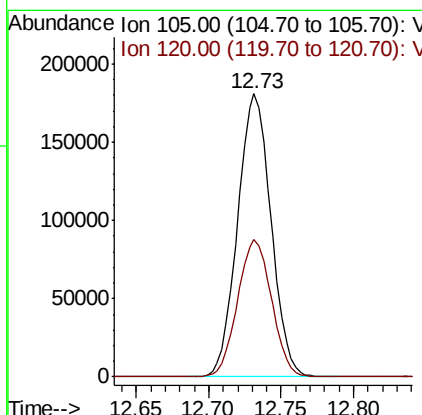
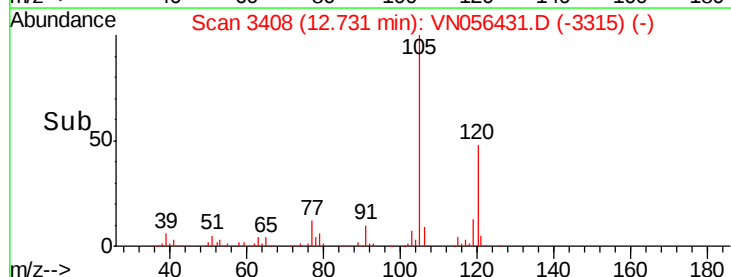
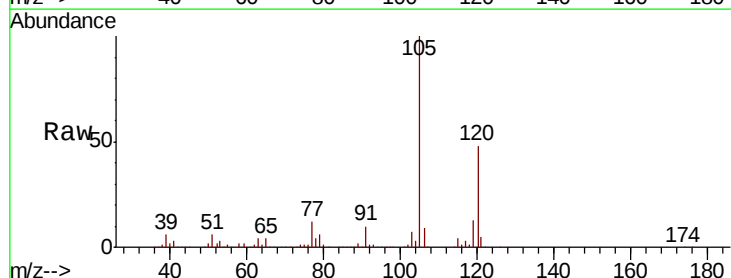
Acq: 21 Jun 2019 17:13

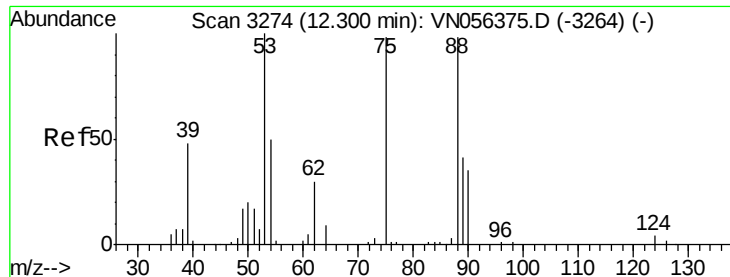
Tgt Ion: 105 Resp: 289707

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.362 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

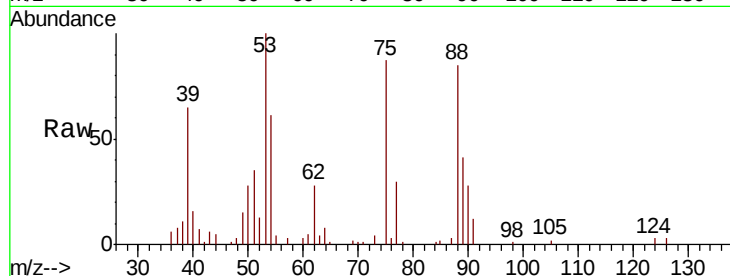
Tot Ion: 75 Resp: 21927

Ion Ratio Lower Upper

75 100

53 115.1 83.9 125.9

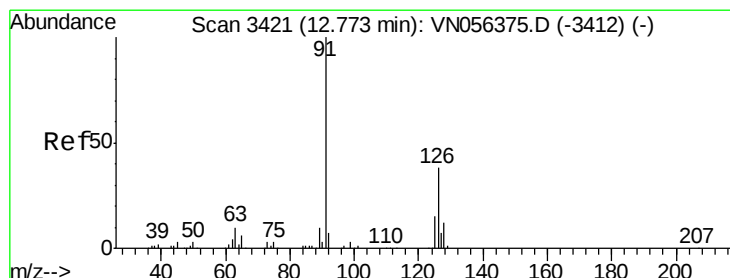
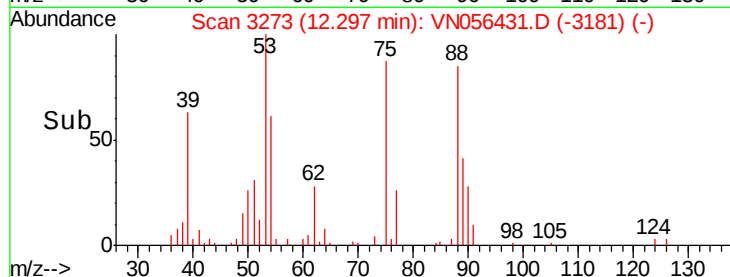
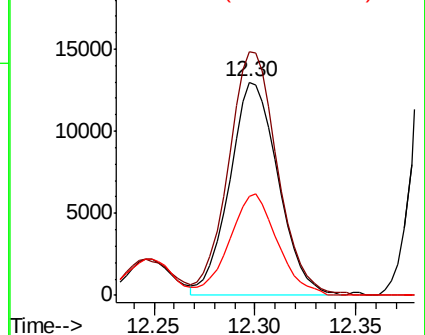
89 46.5 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.081 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056431.D

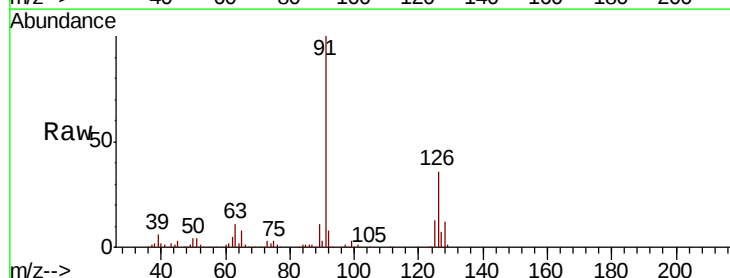
Acq: 21 Jun 2019 17:13

Tgt Ion: 91 Resp: 210766

Ion Ratio Lower Upper

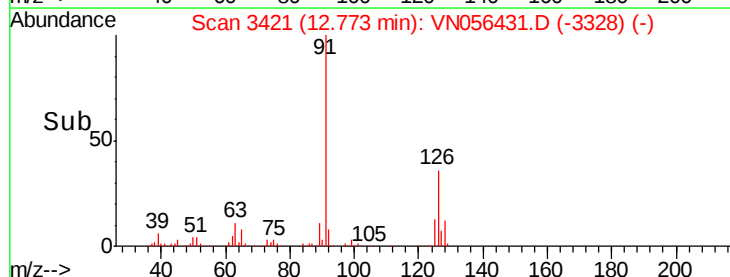
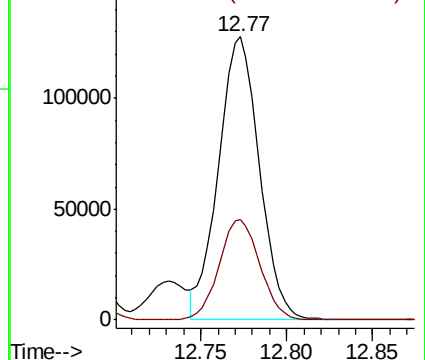
91 100

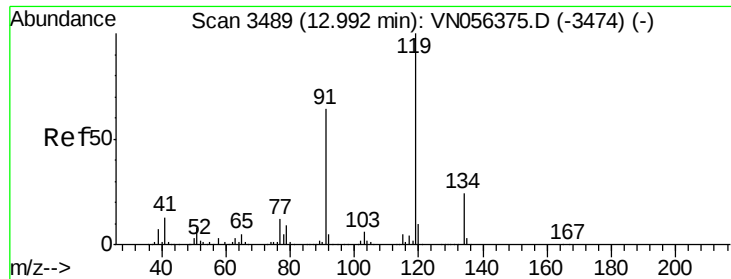
126 35.6 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

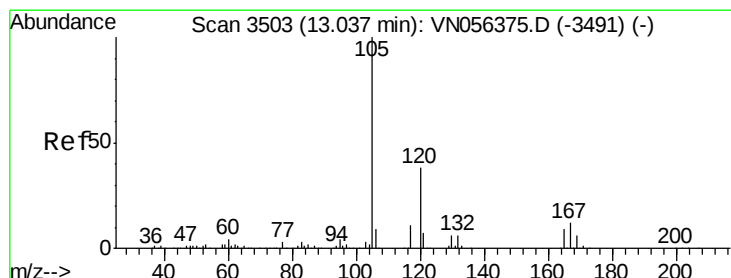
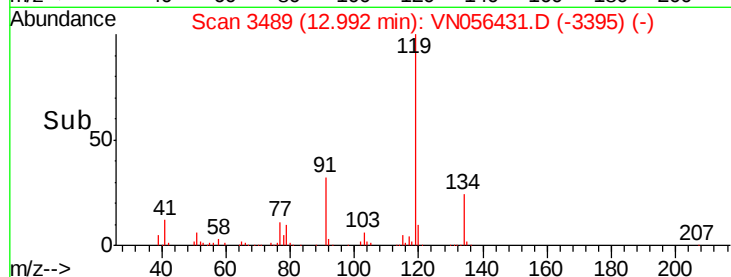
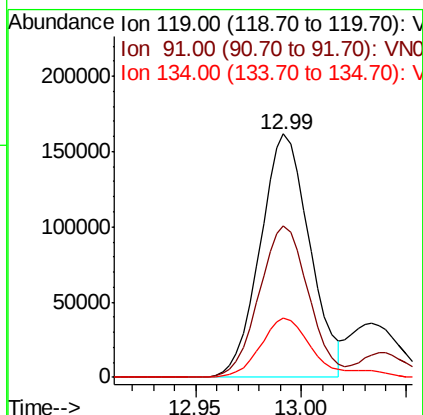
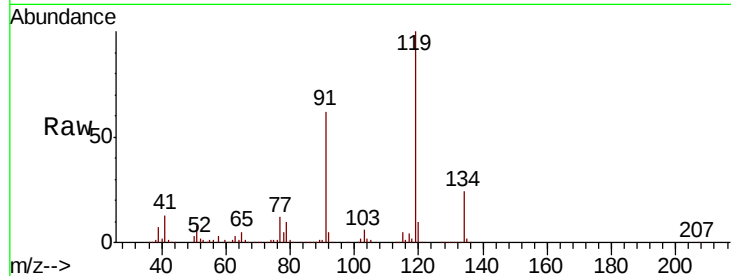




#83
tert-Butylbenzene
Concen: 23.282 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

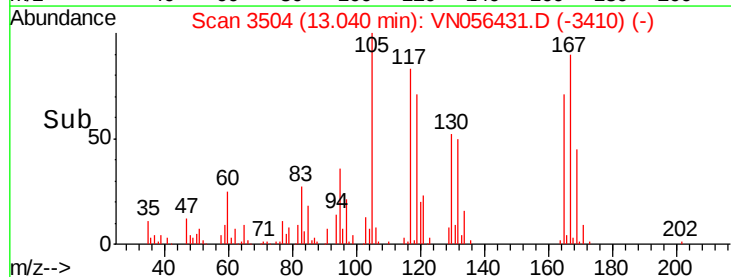
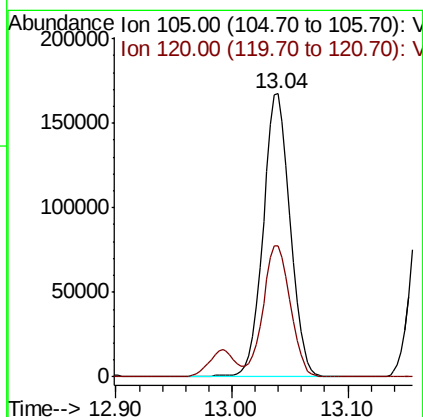
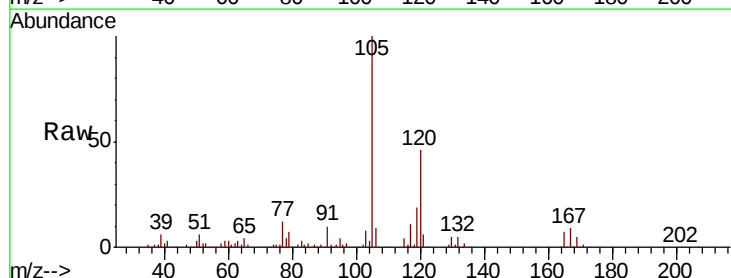
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

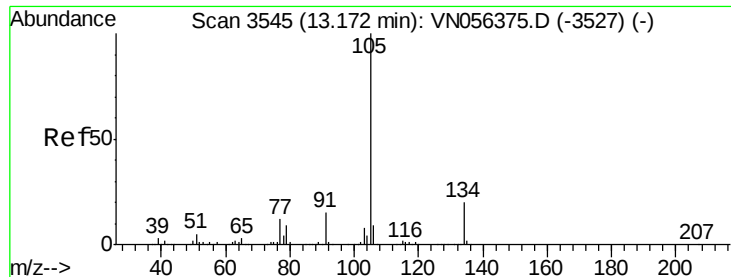
Tot Ion:119 Resp: 263527
Ion Ratio Lower Upper
119 100
91 62.3 31.6 94.7
134 26.5 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 20.721 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion:105 Resp: 270774
Ion Ratio Lower Upper
105 100
120 46.7 22.9 68.8

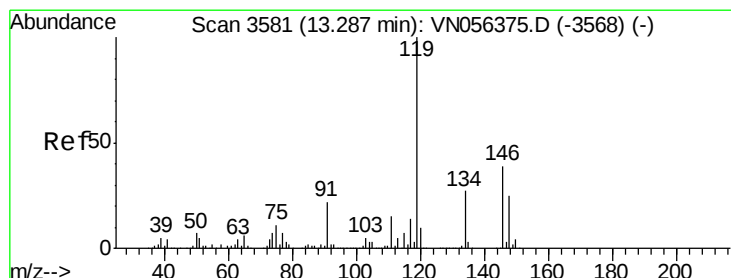
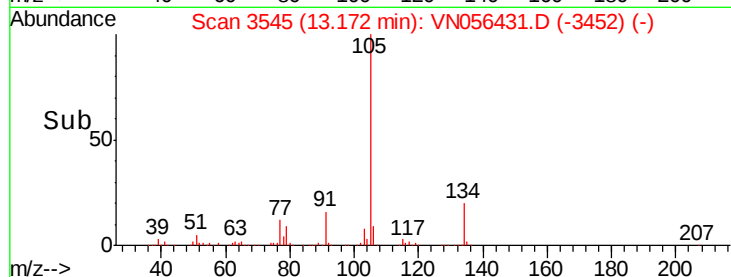
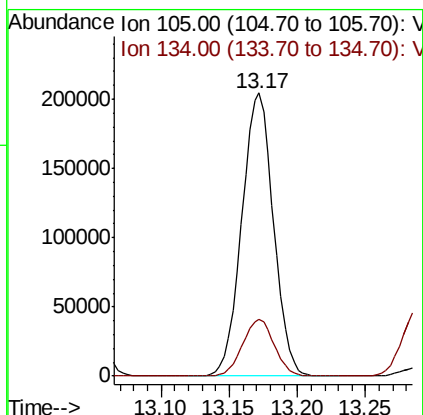
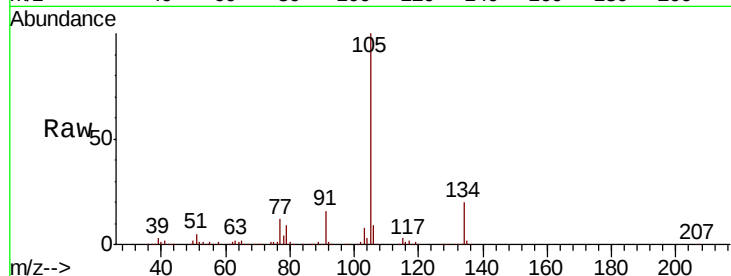




#85
 sec-Butylbenzene
 Concen: 21.062 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

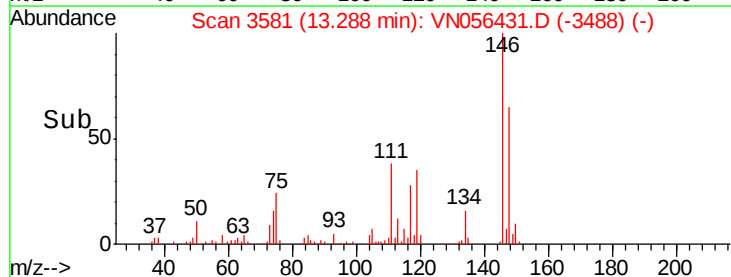
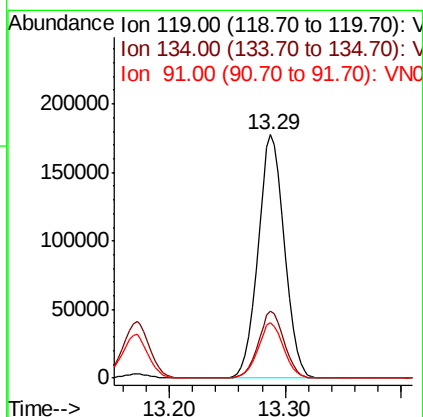
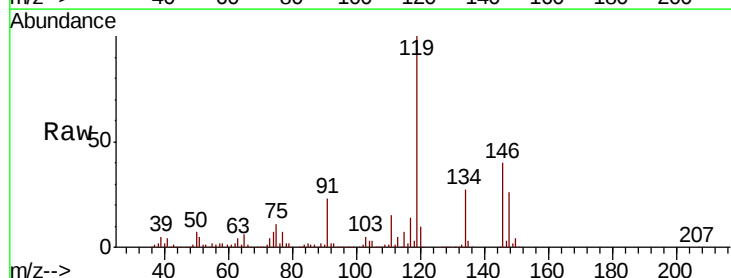
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

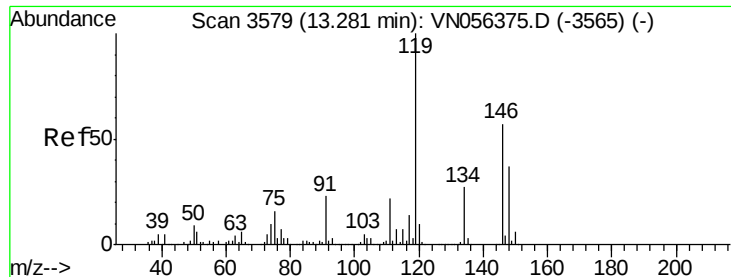
Tot Ion:105 Resp: 329077
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.932 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion:119 Resp: 280671
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 22.2 11.2 33.5

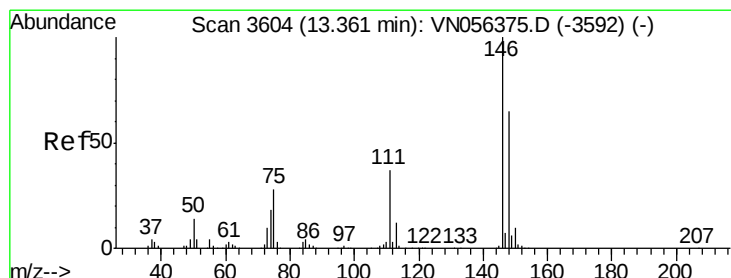
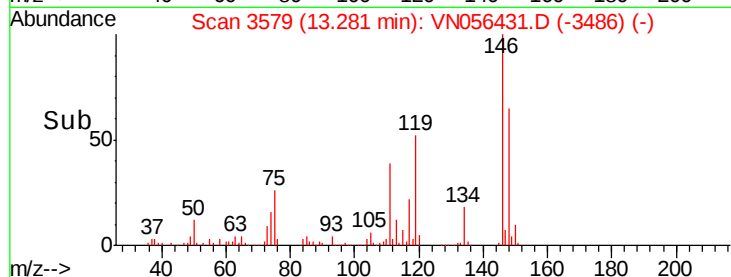
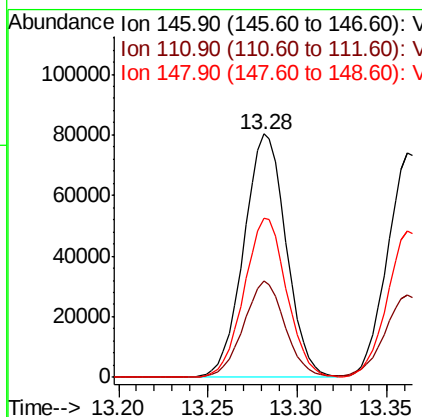
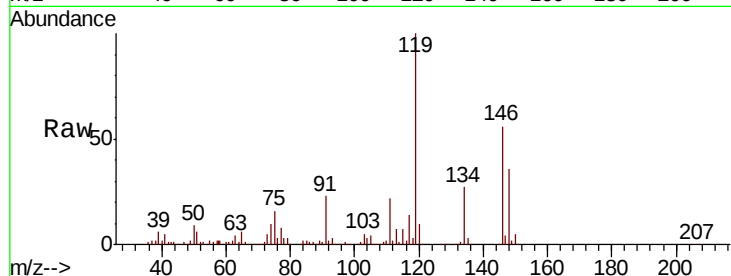




#87
 1,3-Dichlorobenzene
 Concen: 20.224 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

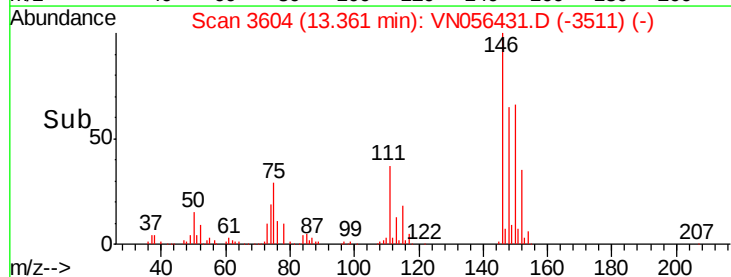
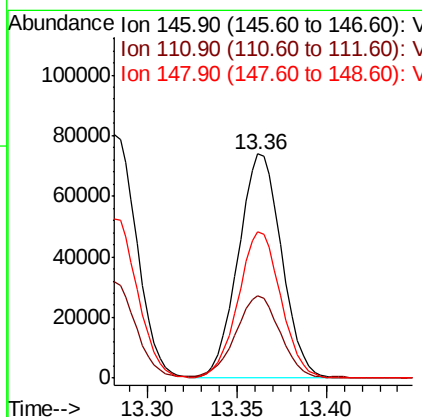
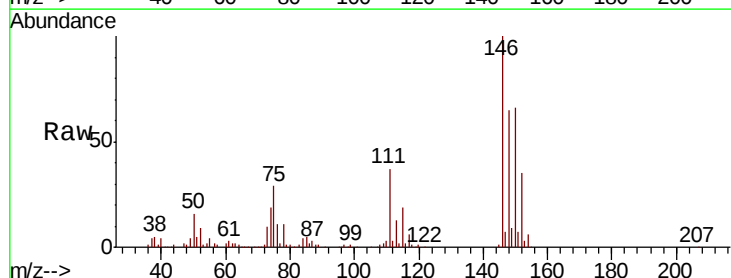
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

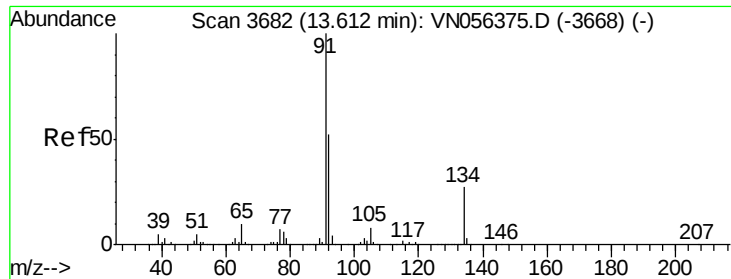
Tot Ion:146 Resp: 133022
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.9 56.9
 148 65.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.592 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion:146 Resp: 124806
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.4
 148 64.7 32.4 97.0

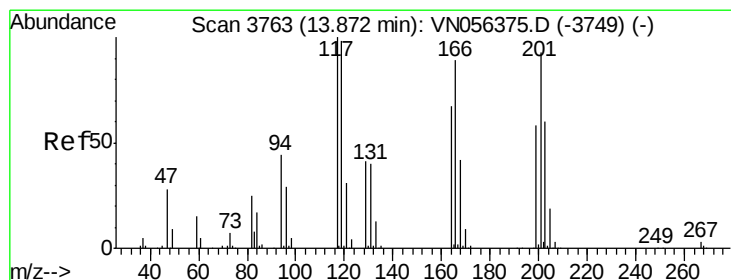
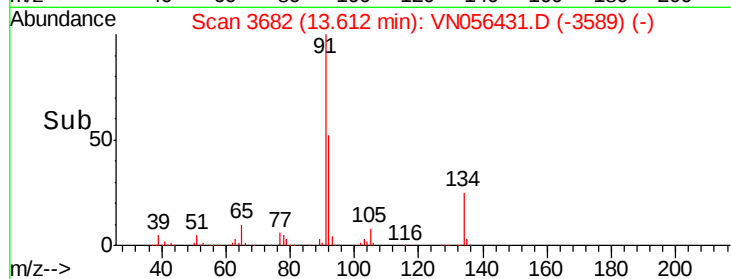
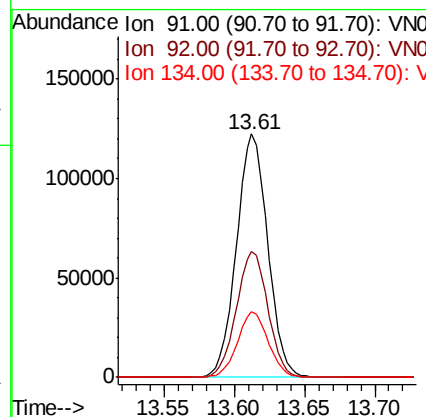
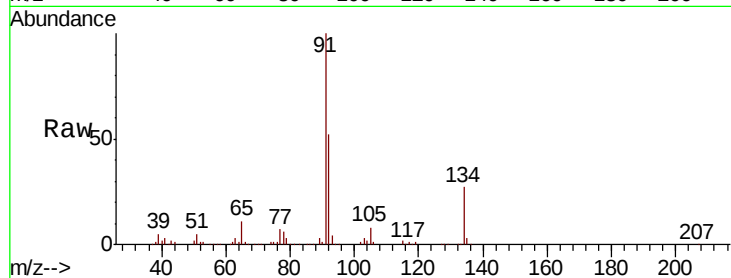




#89
n-Butylbenzene
Concen: 18.788 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

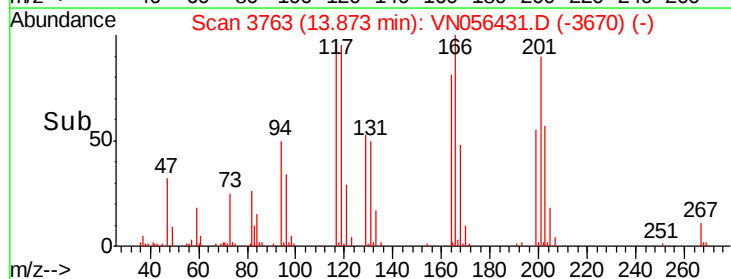
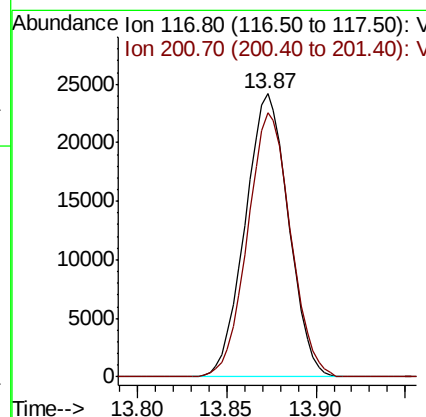
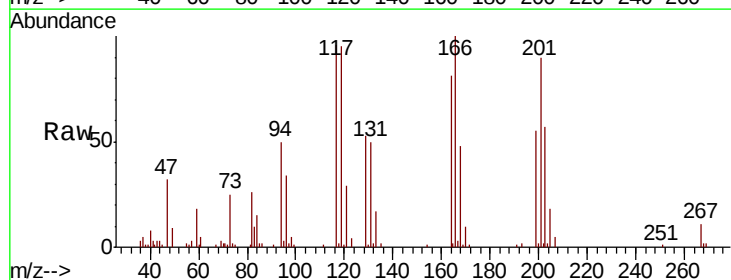
Instrument :
MSVOA_N
ClientSampled :
VN0621WBSD02

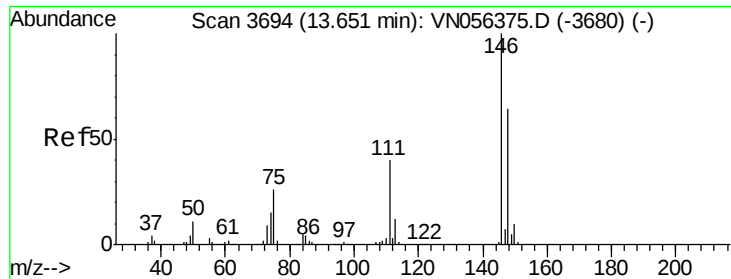
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	26.3	13.4	40.2



#90
Hexachloroethane
Concen: 19.619 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	45.9	137.6

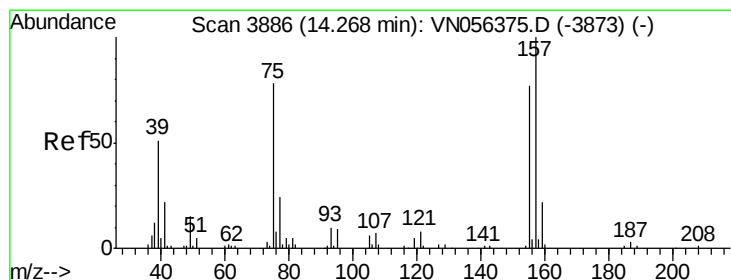
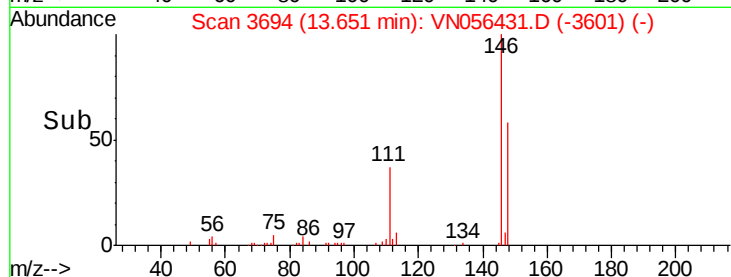
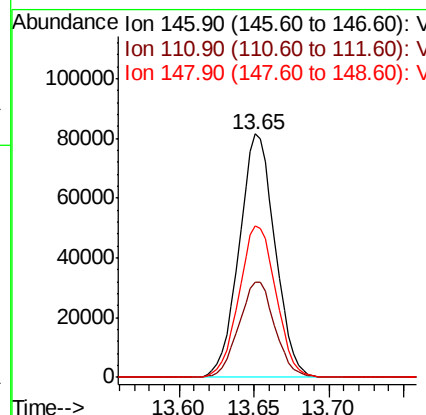
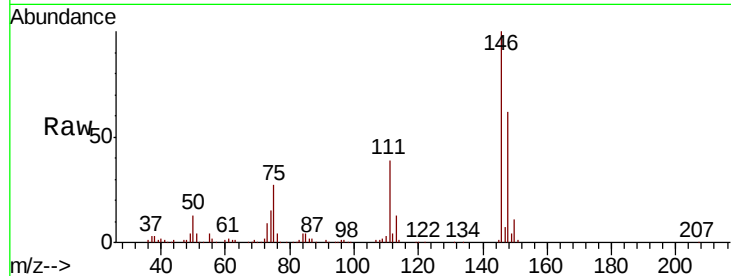




#91
 1,2-Dichlorobenzene
 Concen: 20.794 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

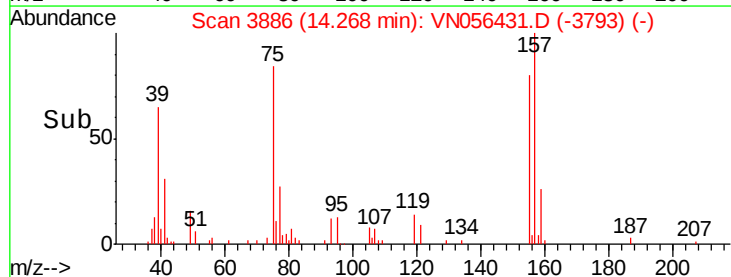
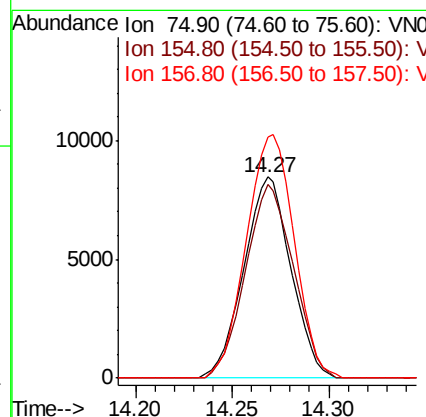
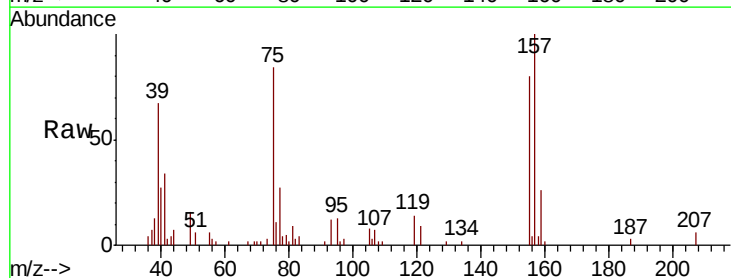
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

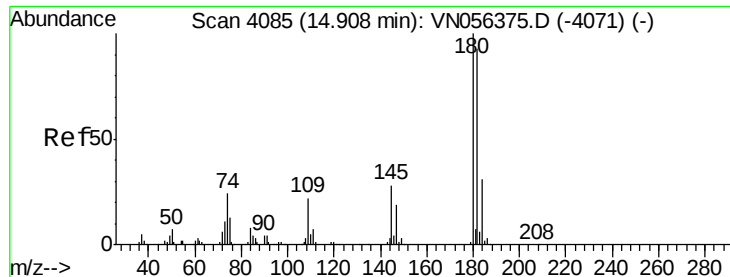
Tot Ion:146 Resp: 135701
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.3 57.9
 148 64.3 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.914 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion: 75 Resp: 14303
 Ion Ratio Lower Upper
 75 100
 155 98.2 48.9 146.8
 157 123.4 62.9 188.8

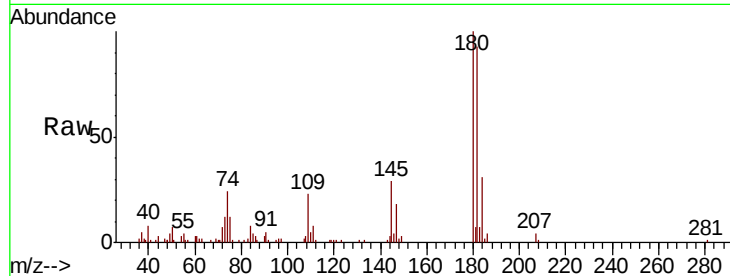




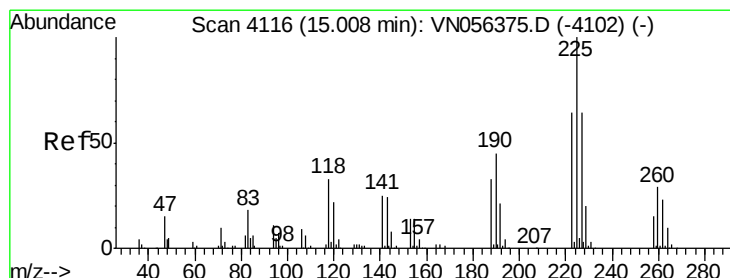
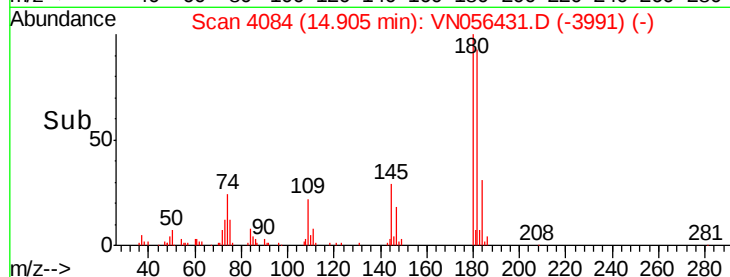
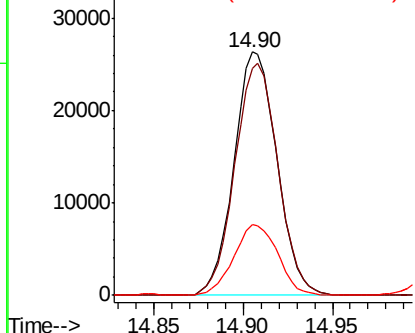
#93
 1,2,4-Trichlorobenzene
 Concen: 17.105 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Tot Ion:180 Resp: 43991
 Ion Ratio Lower Upper
 180 100
 182 96.0 46.9 140.6
 145 29.7 14.4 43.0

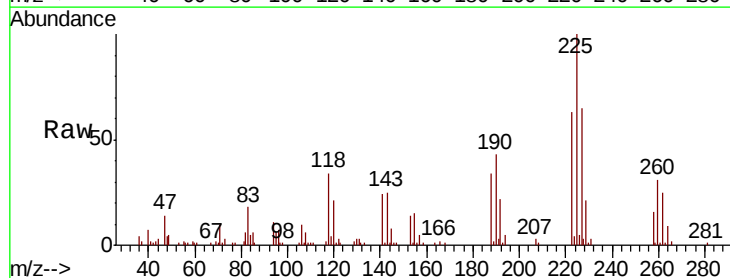


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

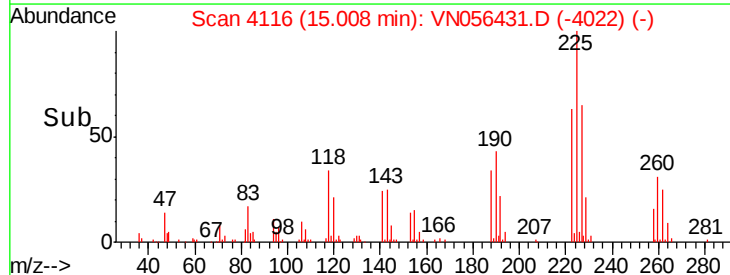
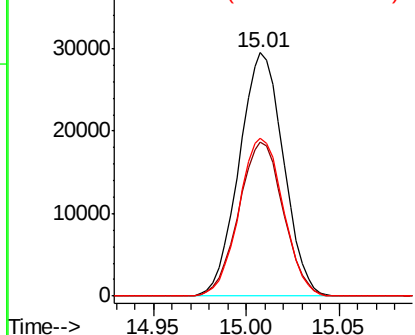


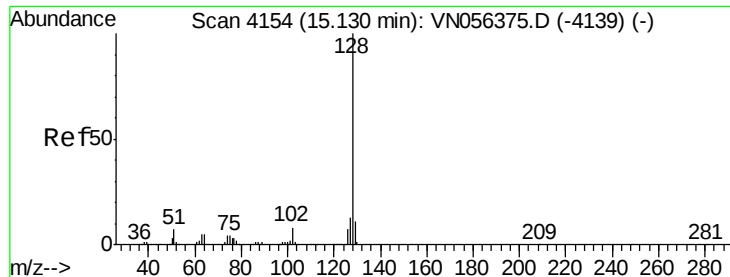
#94
 Hexachlorobutadiene
 Concen: 21.015 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion:225 Resp: 48883
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.4 94.3
 227 64.7 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: 18.359 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

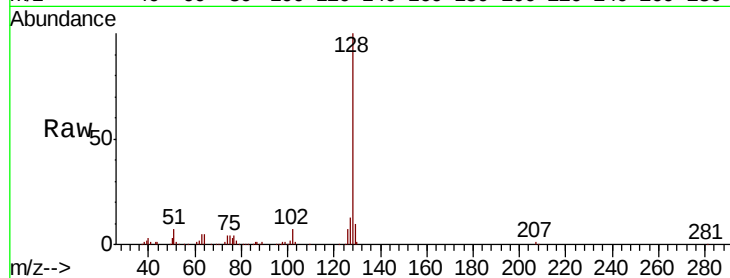
Tot Ion:128 Resp: 130124

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

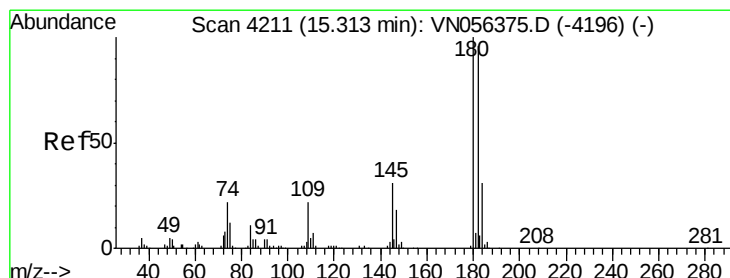
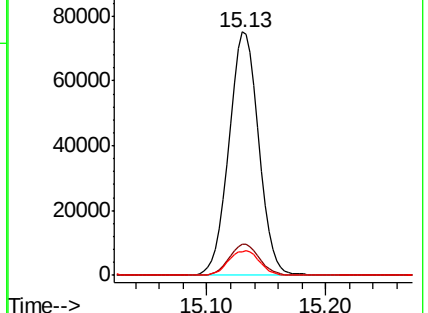
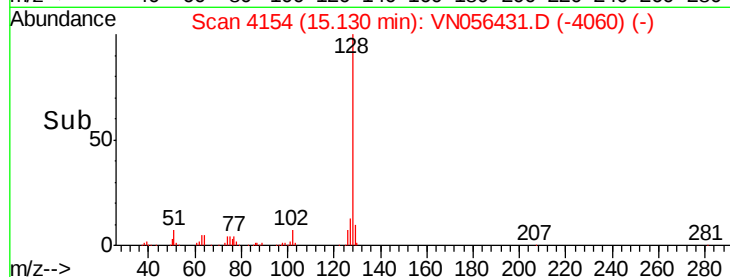
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.098 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

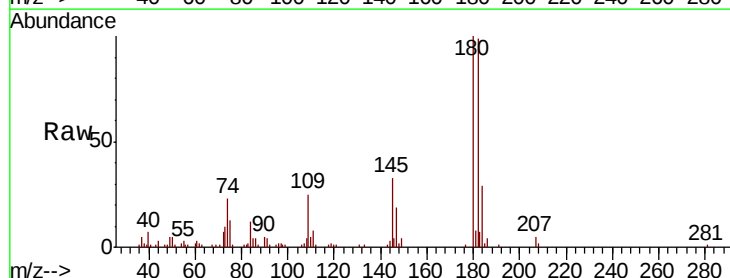
Tgt Ion:180 Resp: 52671

Ion Ratio Lower Upper

180 100

182 96.6 48.3 144.8

145 31.5 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

