

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056384.D
 Acq On : 19 Jun 2019 14:09
 Operator : JC/SP
 Sample : VN0619WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Quant Time: Jun 20 04:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 04:41:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	366136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	572959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184035	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	211622	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.59	113	180975	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.09	98	699021	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	219039	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64303	20.741	ug/l	98
3) Chloromethane	2.06	50	84909	20.114	ug/l	99
4) Vinyl Chloride	2.18	62	84454	20.714	ug/l	98
5) Bromomethane	2.53	94	50057	20.942	ug/l	97
6) Chloroethane	2.68	64	48528	20.553	ug/l	99
7) Trichlorofluoromethane	3.00	101	107037	20.295	ug/l	100
8) Diethyl Ether	3.41	74	45945	20.584	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66971	19.912	ug/l	98
10) Methyl Iodide	3.95	142	87358	19.218	ug/l	99
11) Tert butyl alcohol	4.79	59	80456	117.719	ug/l	98
12) 1,1-Dichloroethene	3.73	96	65955	20.392	ug/l	95
13) Acrolein	3.61	56	56499	98.084	ug/l	97
14) Allyl chloride	4.32	41	108069	20.072	ug/l	99
15) Acrylonitrile	4.99	53	194307	102.765	ug/l	99
16) Acetone	3.82	43	183517	90.266	ug/l	99
17) Carbon Disulfide	4.05	76	139967	19.026	ug/l	98
18) Methyl Acetate	4.33	43	84065	20.601	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	218242	20.392	ug/l	99
20) Methylene Chloride	4.55	84	79803	20.293	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	70780	20.296	ug/l	98
22) Diisopropyl ether	5.95	45	229709	20.315	ug/l	98
23) Vinyl Acetate	5.90	43	935600	104.907	ug/l	100
24) 1,1-Dichloroethane	5.85	63	130655	20.129	ug/l	98
25) 2-Butanone	6.84	43	264582	98.329	ug/l	99
26) 2,2-Dichloropropane	6.82	77	84328	18.680	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	84747	20.772	ug/l	100
28) Bromochloromethane	7.19	49	69175	21.547	ug/l	99
29) Tetrahydrofuran	7.21	42	175269	106.589	ug/l	98
30) Chloroform	7.37	83	130786	20.420	ug/l	99
31) Cyclohexane	7.65	56	126762	20.229	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	102814	20.252	ug/l	99
36) 1,1-Dichloropropene	7.79	75	98072	19.447	ug/l	99
37) Ethyl Acetate	6.93	43	103843	20.953	ug/l	98
38) Carbon Tetrachloride	7.77	117	83917	19.029	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 04:41:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	116915	18.788	ug/l	97
40) Benzene	8.04	78	307793	19.842	ug/l	100
41) Methacrylonitrile	7.21	41	148351	67.788	ug/l #	12
42) 1,2-Dichloroethane	8.12	62	100652	19.661	ug/l	99
43) Isopropyl Acetate	8.17	43	149255	19.531	ug/l	93
44) Trichloroethene	8.84	130	82664	19.782	ug/l	100
45) 1,2-Dichloropropane	9.12	63	82942	19.993	ug/l	100
46) Dibromomethane	9.21	93	52749	20.323	ug/l	99
47) Bromodichloromethane	9.40	83	90248	19.605	ug/l	100
48) Methyl methacrylate	9.20	41	72855	19.024	ug/l	98
49) 1,4-Dioxane	9.20	88	31350	394.434	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	496076	100.574	ug/l	100
52) Toluene	10.16	92	188445	19.870	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	88728	18.483	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	110259	19.890	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	75988	19.933	ug/l	98
56) Ethyl methacrylate	10.43	69	110478	19.830	ug/l	99
57) 1,3-Dichloropropane	10.71	76	129821	20.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	182806	91.336	ug/l	100
59) 2-Hexanone	10.75	43	349322	96.359	ug/l	100
60) Dibromochloromethane	10.90	129	67923	18.890	ug/l	99
61) 1,2-Dibromoethane	11.00	107	77808	19.984	ug/l	99
64) Tetrachloroethene	10.63	164	78588	19.993	ug/l	98
65) Chlorobenzene	11.43	112	198853	19.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	69008	20.472	ug/l	100
67) Ethyl Benzene	11.51	91	348567	19.904	ug/l	100
68) m/p-Xylenes	11.62	106	254522	39.658	ug/l	98
69) o-Xylene	11.95	106	127560	20.090	ug/l	99
70) Styrene	11.96	104	202016	19.905	ug/l	98
71) Bromoform	12.13	173	45008	18.653	ug/l #	98
73) Isopropylbenzene	12.25	105	339728	23.133	ug/l	100
74) N-amyl acetate	12.07	43	118104	20.164	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	106348	23.204	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	117955	30.911	ug/l #	100
77) Bromobenzene	12.53	156	84296	20.485	ug/l	98
78) n-propylbenzene	12.59	91	345173	20.481	ug/l	99
79) 2-Chlorotoluene	12.67	91	219362	22.338	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	269654	22.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20749	19.325	ug/l	95
82) 4-Chlorotoluene	12.77	91	198290	19.927	ug/l	99
83) tert-Butylbenzene	12.99	119	241396	22.395	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	258045	20.828	ug/l	100
85) sec-Butylbenzene	13.17	105	306893	20.718	ug/l	99
86) p-Isopropyltoluene	13.29	119	261755	20.590	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	123945	19.875	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	117250	19.414	ug/l	99
89) n-Butylbenzene	13.61	91	178449	18.543	ug/l	100
90) Hexachloroethane	13.87	117	38862	19.608	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	128123	20.708	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13709	20.132	ug/l	97

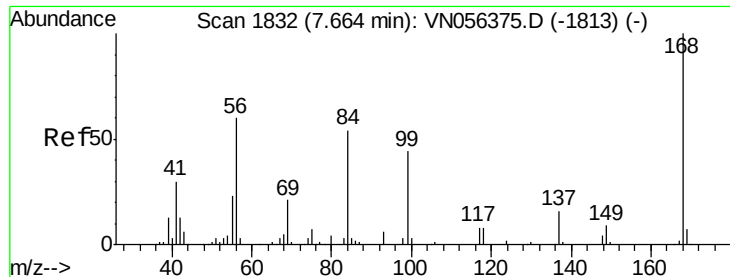
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
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Sample : VN0619WBSD01
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 04:41:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42360	17.285	ug/l	99
94) Hexachlorobutadiene	15.01	225	46084	20.885	ug/l	99
95) Naphthalene	15.13	128	120731	18.078	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50604	18.280	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

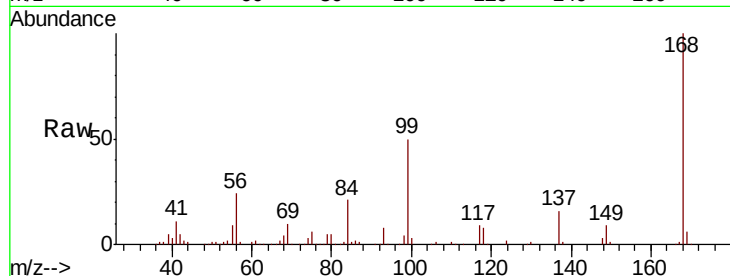
VN0619WBSD01

Tot Ion:168 Resp: 366136

Ion Ratio Lower Upper

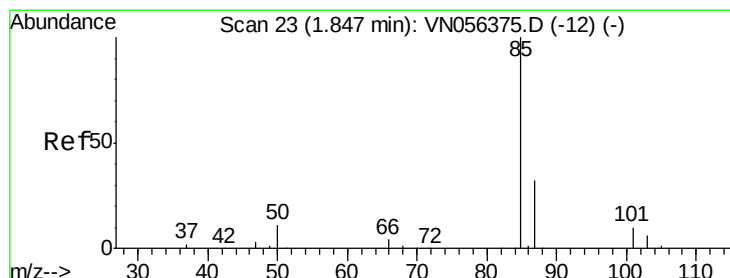
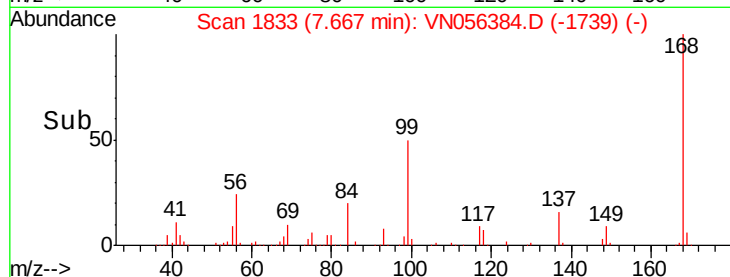
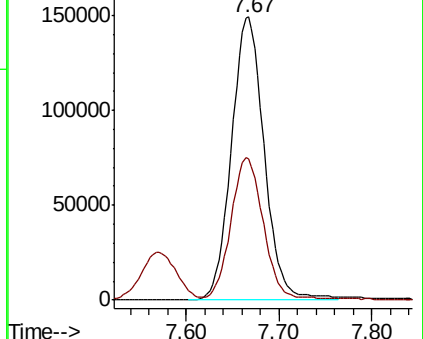
168 100

99 49.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.741 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056384.D

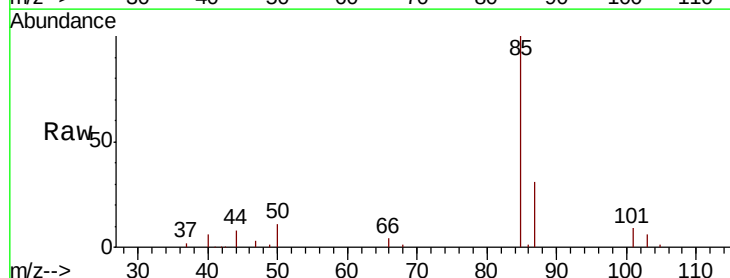
Acq: 19 Jun 2019 14:09

Tgt Ion: 85 Resp: 64303

Ion Ratio Lower Upper

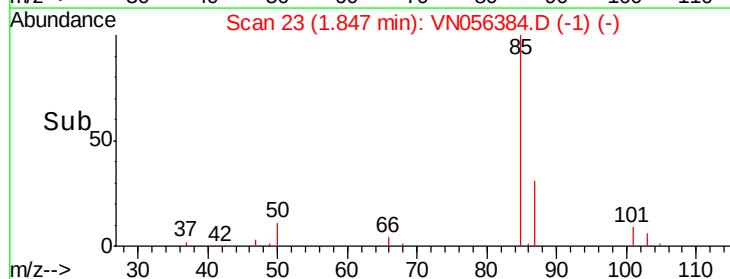
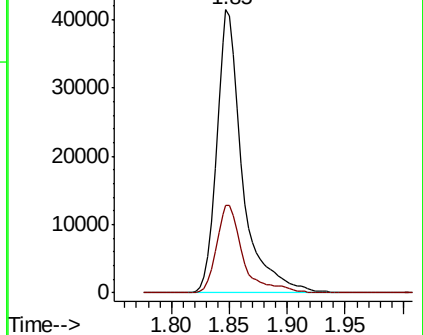
85 100

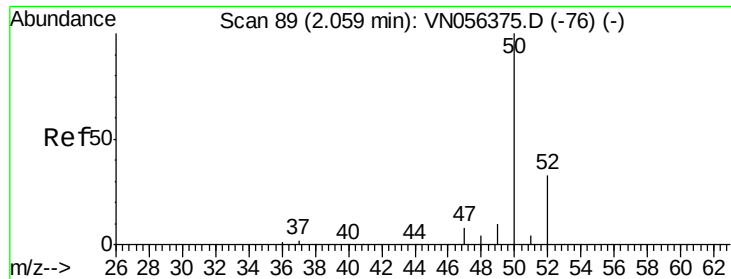
87 31.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.114 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

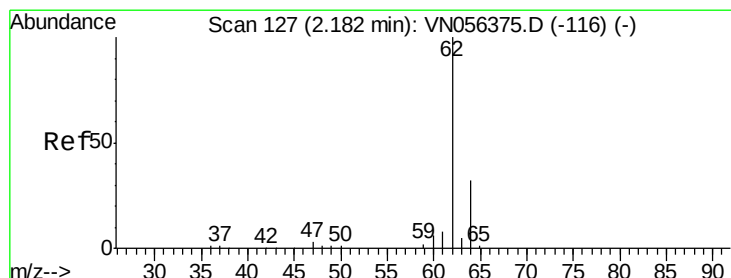
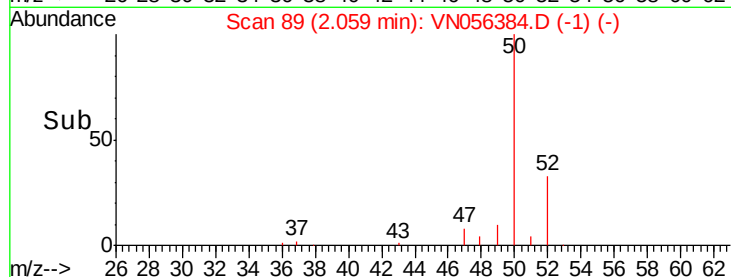
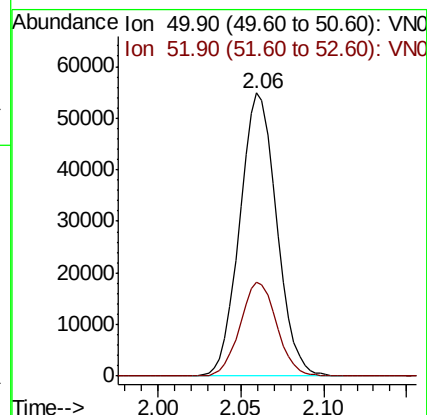
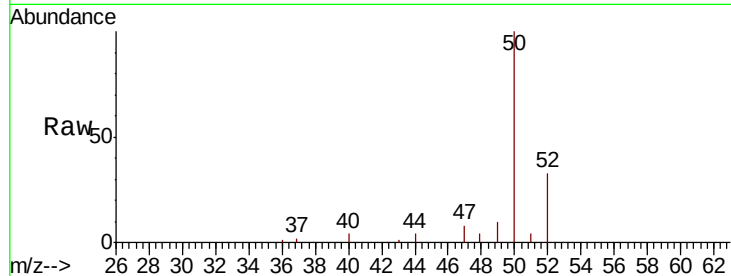
VN0619WBSD01

Tot Ion: 50 Resp: 84909

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



#4

Vinyl Chloride

Concen: 20.714 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056384.D

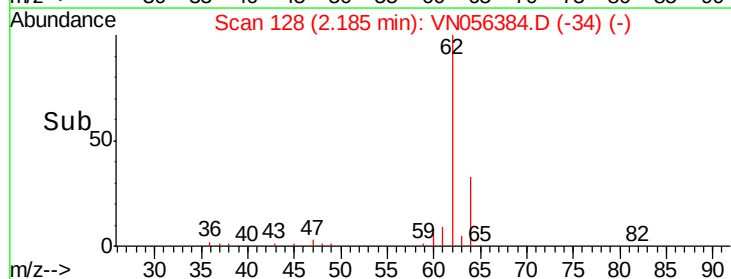
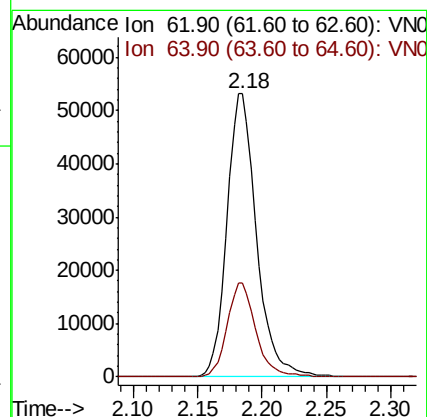
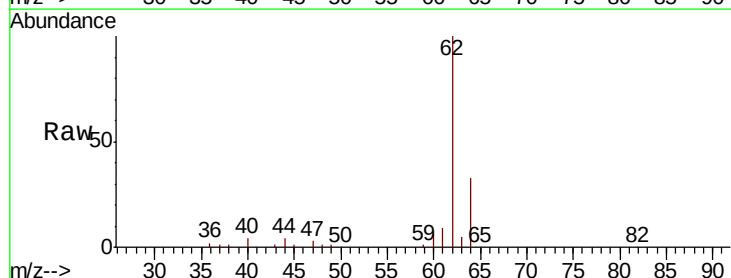
Acq: 19 Jun 2019 14:09

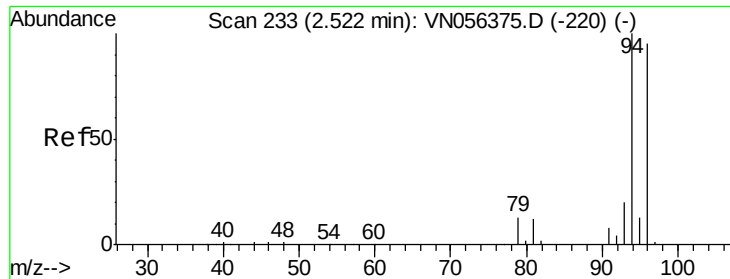
Tgt Ion: 62 Resp: 84454

Ion Ratio Lower Upper

62 100

64 33.3 25.7 38.5

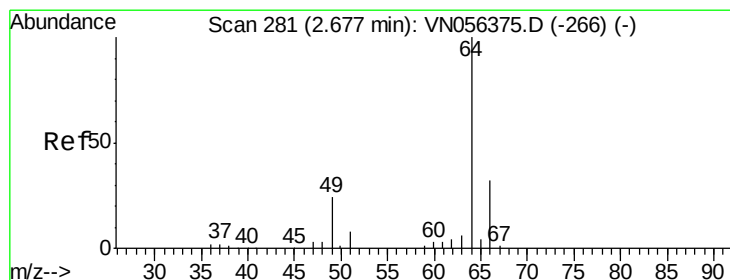
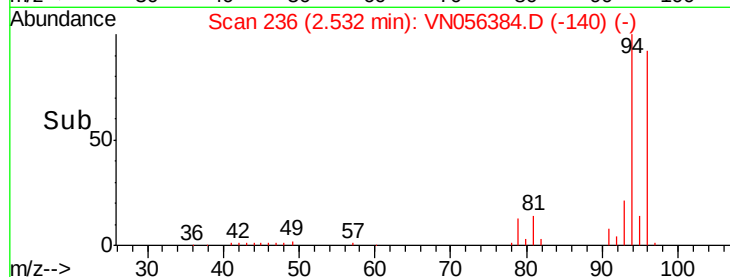
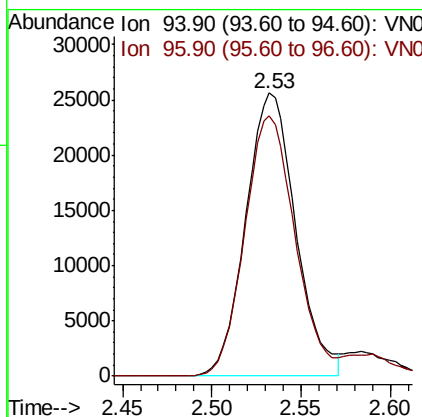
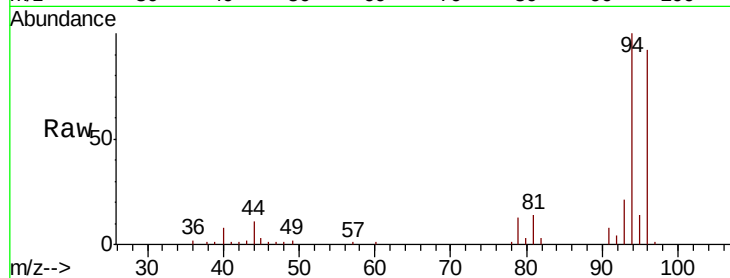




#5
Bromomethane
Concen: 20.942 ug/l
RT: 2.53 min Scan# 236
Delta R.T. 0.01 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

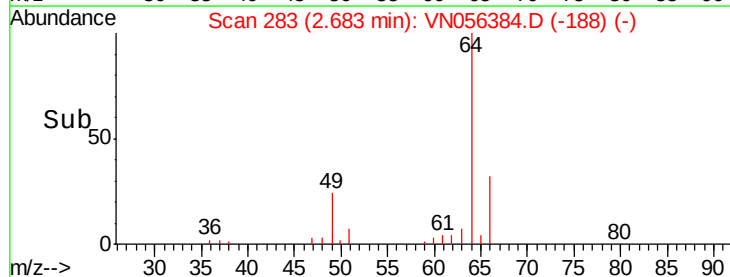
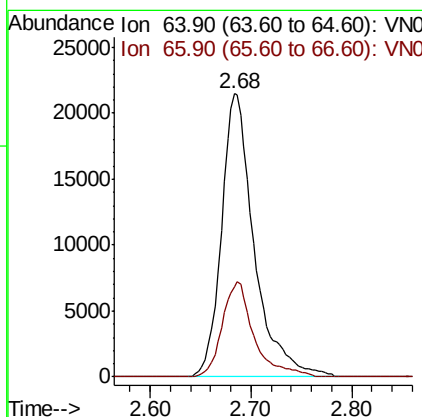
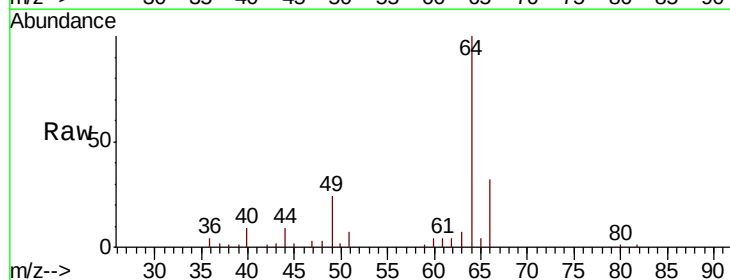
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

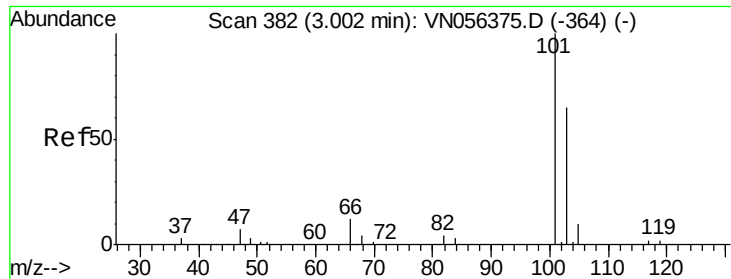
Tot Ion: 94 Resp: 50057
Ion Ratio Lower Upper
94 100
96 92.1 76.0 114.0



#6
Chloroethane
Concen: 20.553 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.01 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 64 Resp: 48528
Ion Ratio Lower Upper
64 100
66 31.8 25.8 38.8



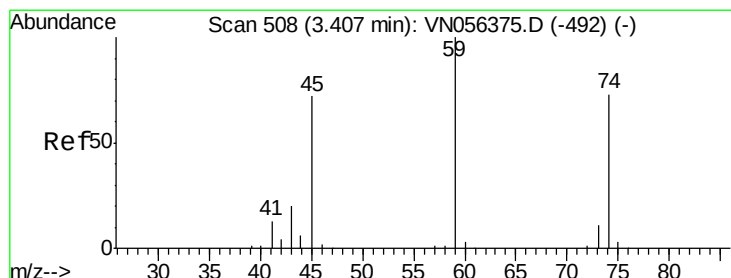
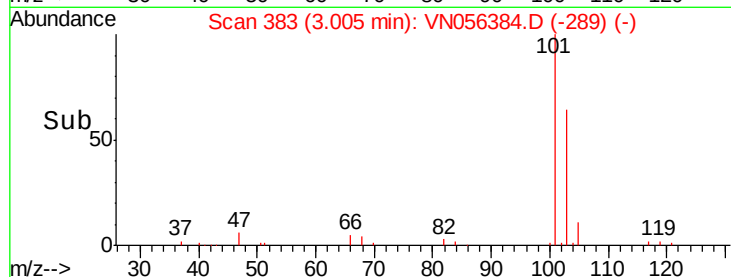
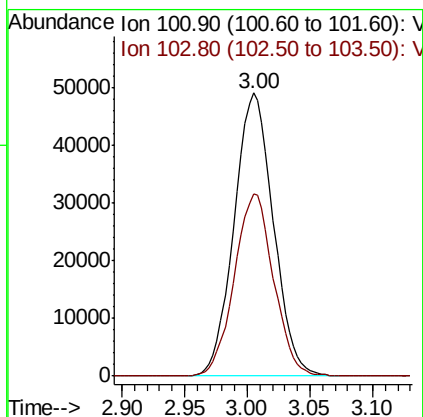
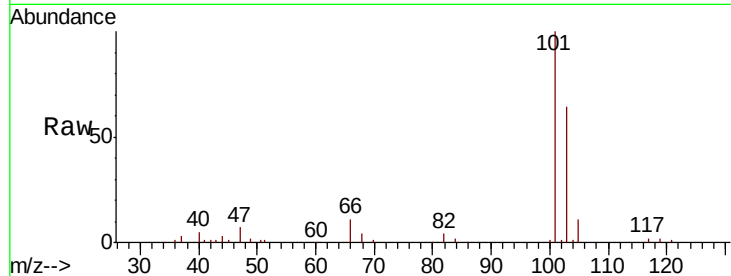


#7

Trichlorofluoromethane
 Concen: 20.295 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0619WBSD01

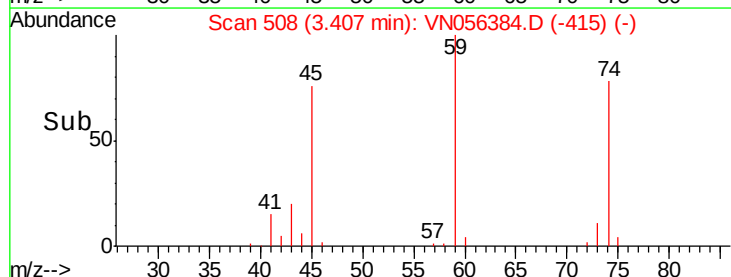
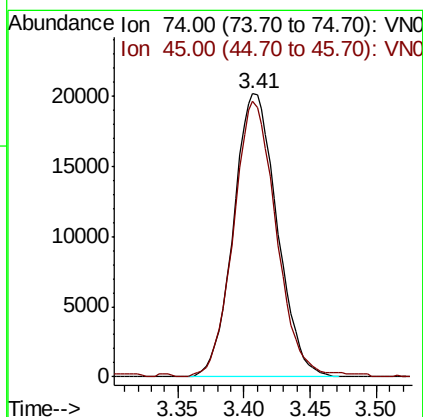
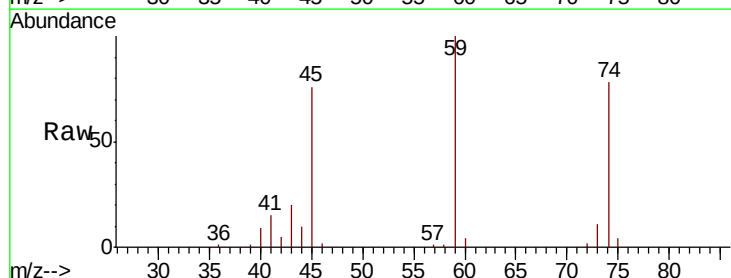
Tot Ion:101 Resp: 107037
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.7 77.5

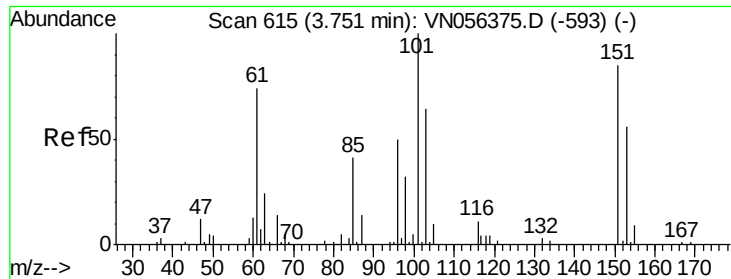


#8

Diethyl Ether
 Concen: 20.584 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion: 74 Resp: 45945
 Ion Ratio Lower Upper
 74 100
 45 95.1 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.912 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

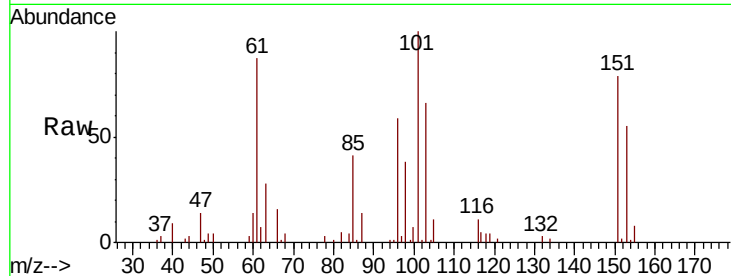
Tot Ion:101 Resp: 66971

Ion Ratio Lower Upper

101 100

85 42.5 32.7 49.1

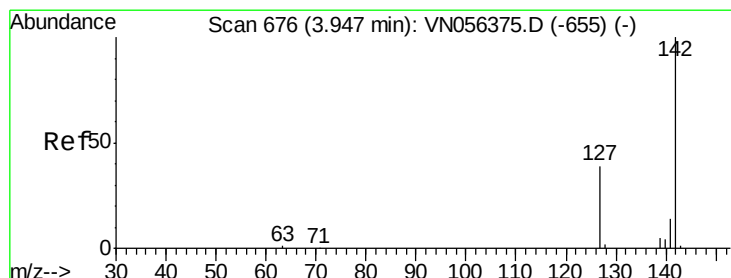
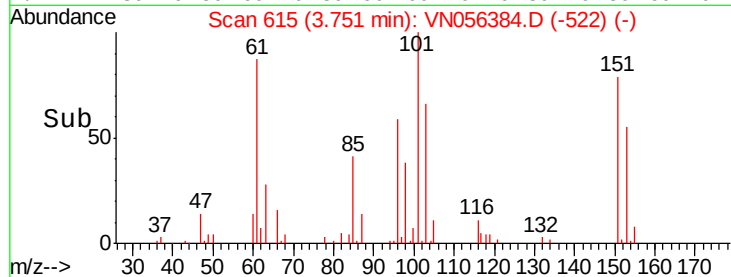
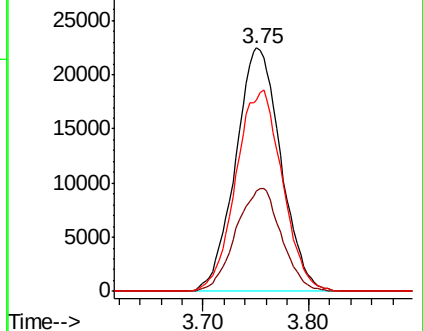
151 84.6 66.8 100.2



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: 19.218 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

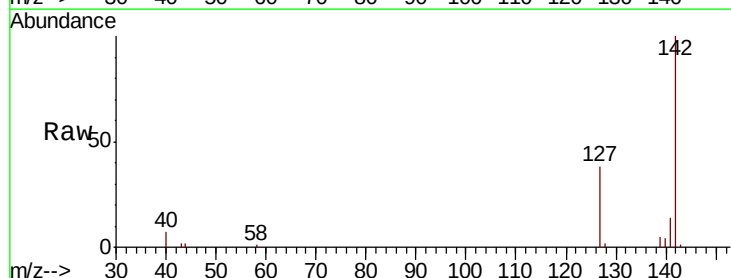
Tgt Ion:142 Resp: 87358

Ion Ratio Lower Upper

142 100

127 38.9 30.6 46.0

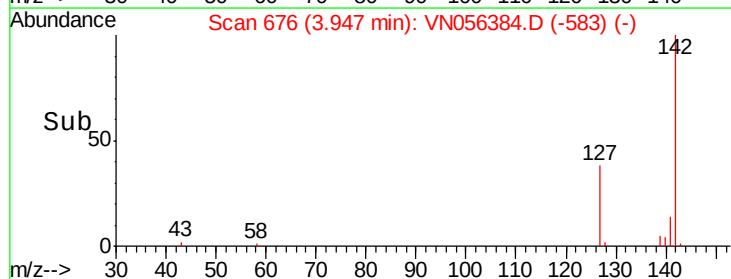
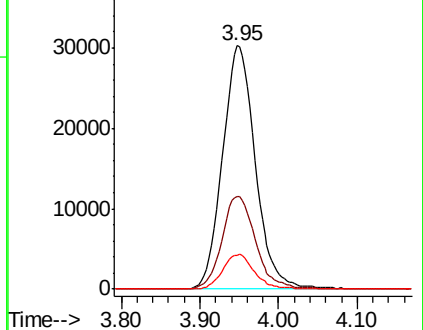
141 13.7 11.4 17.2

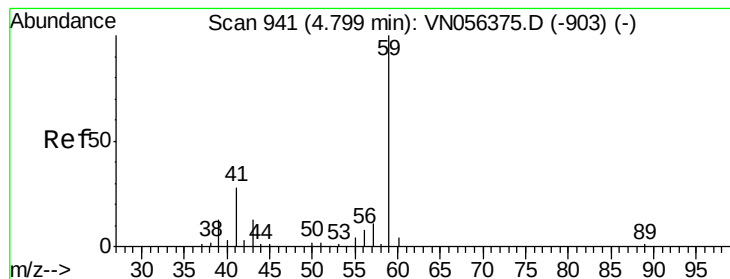


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



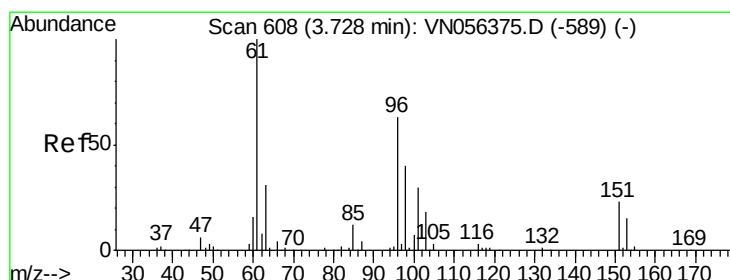
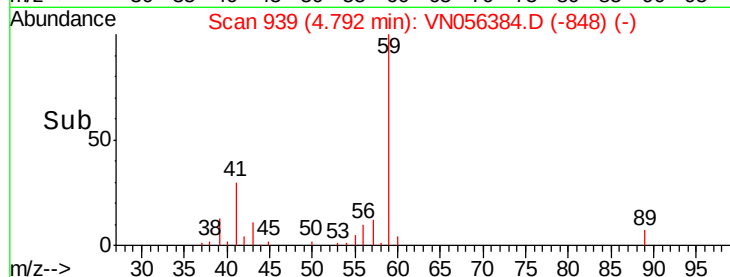
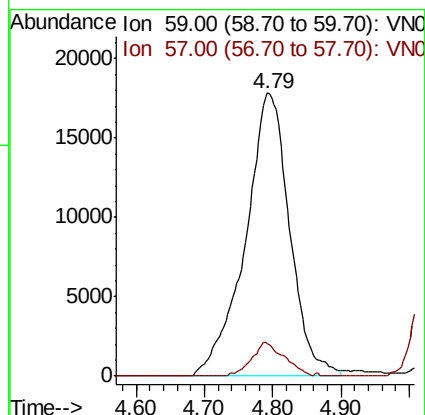
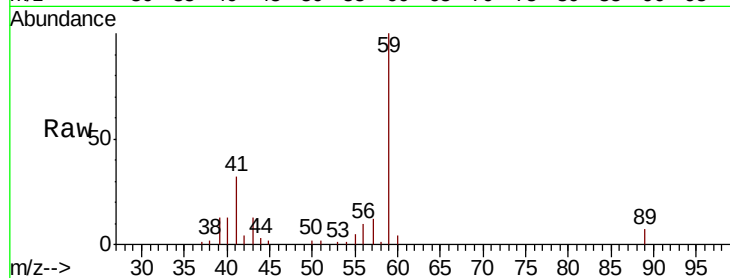


#11

Tert butyl alcohol
 Concen: 117.719 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

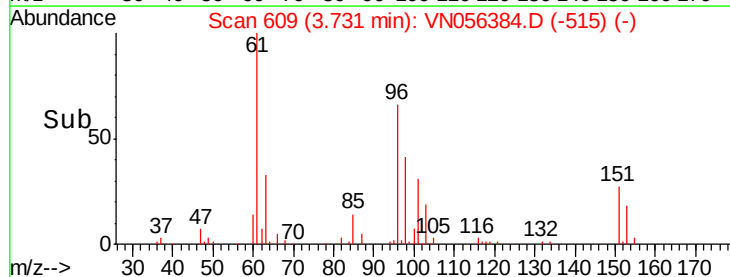
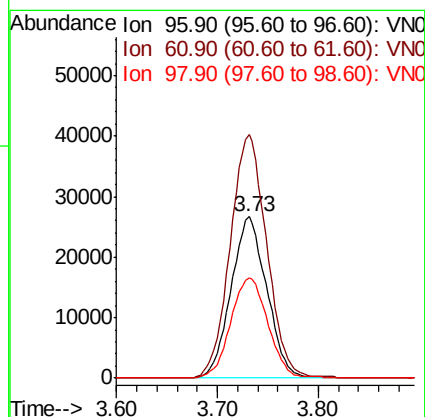
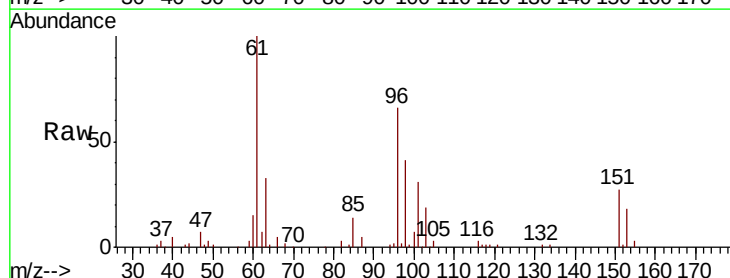
Tot Ion: 59 Resp: 80456
 Ion Ratio Lower Upper
 59 100
 57 8.8 7.6 11.4

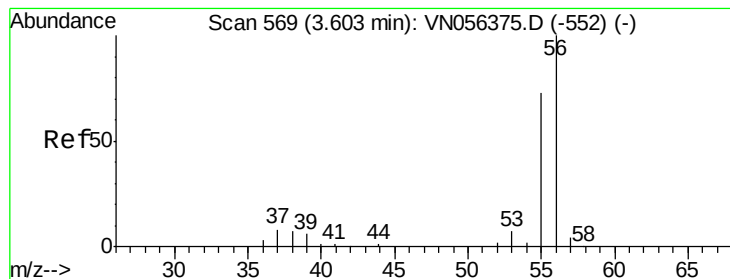


#12

1,1-Dichloroethene
 Concen: 20.392 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion: 96 Resp: 65955
 Ion Ratio Lower Upper
 96 100
 61 151.1 126.6 190.0
 98 62.1 51.1 76.7





#13

Acrolein

Concen: 98.084 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampled :

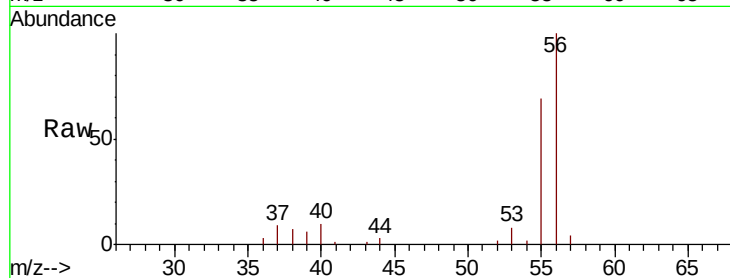
VN0619WBSD01

Tot Ion: 56 Resp: 56499

Ion Ratio Lower Upper

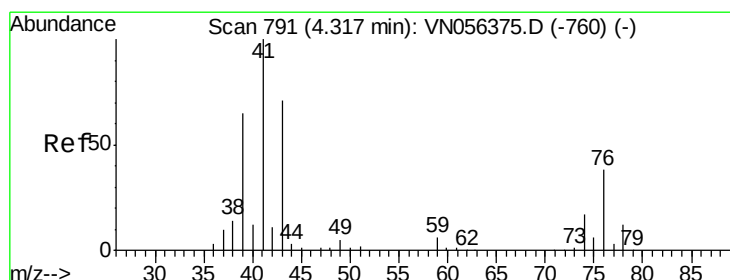
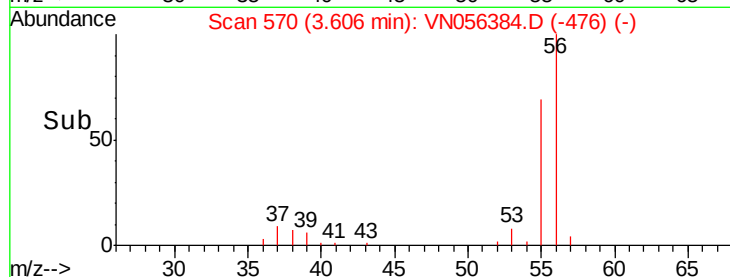
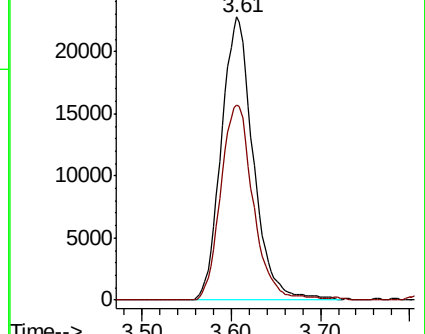
56 100

55 69.2 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.072 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

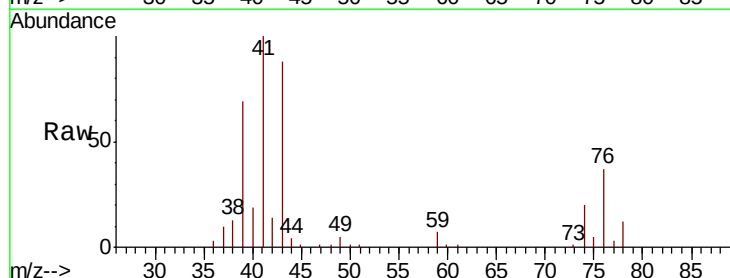
Tgt Ion: 41 Resp: 108069

Ion Ratio Lower Upper

41 100

39 61.3 48.6 73.0

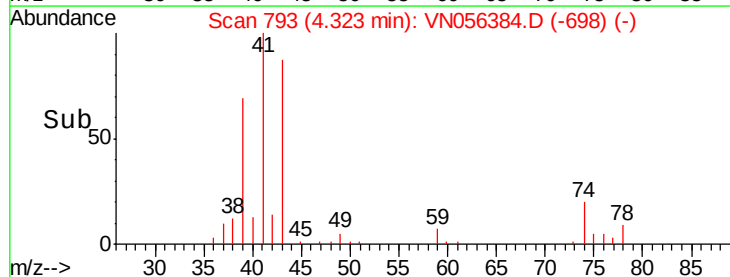
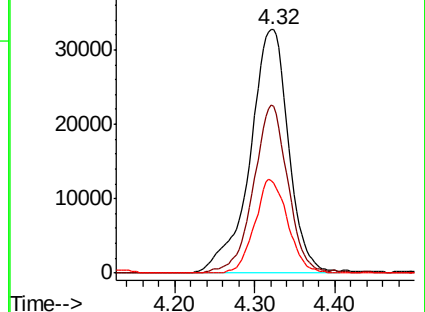
76 32.8 26.6 40.0

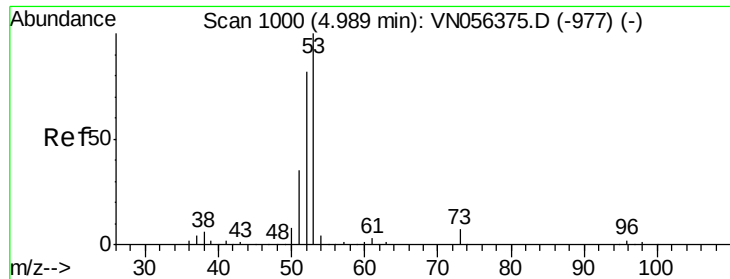


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.765 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

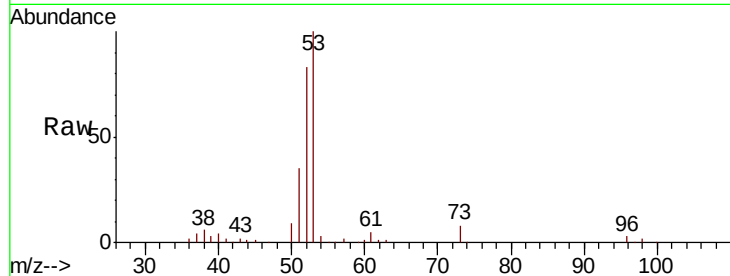
Tot Ion: 53 Resp: 194307

Ion Ratio Lower Upper

53 100

52 81.2 65.9 98.9

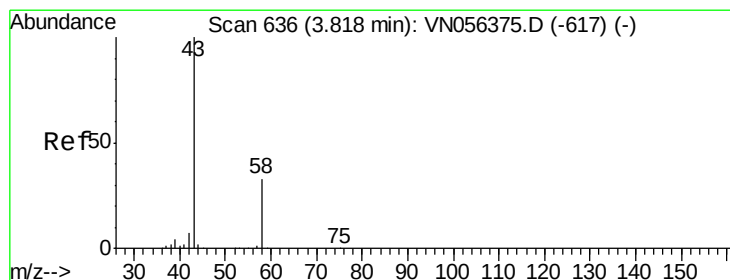
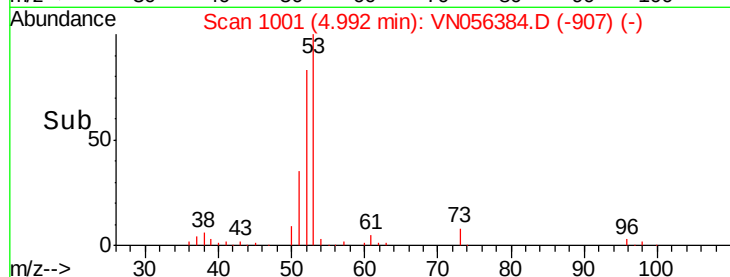
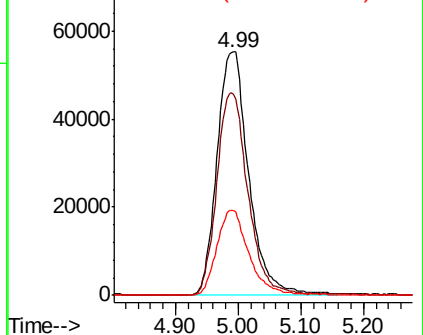
51 34.7 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 90.266 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056384.D

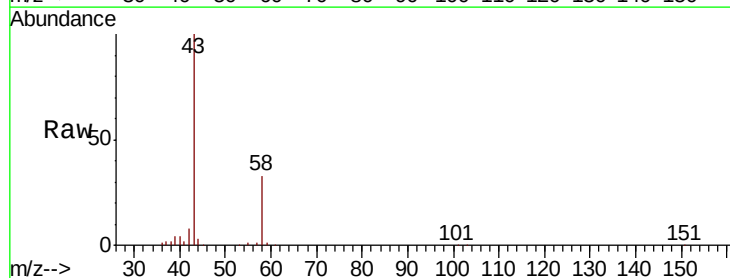
Acq: 19 Jun 2019 14:09

Tgt Ion: 43 Resp: 183517

Ion Ratio Lower Upper

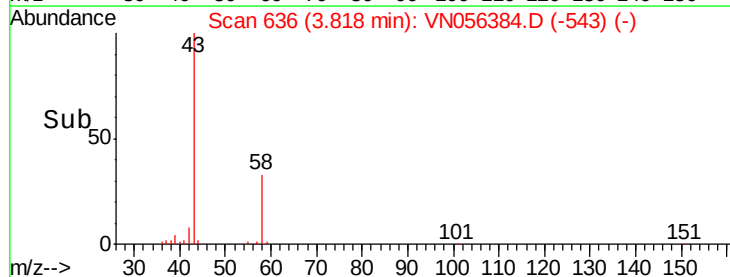
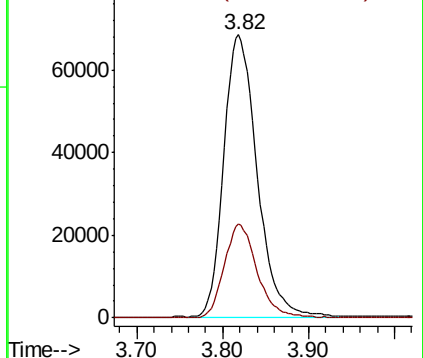
43 100

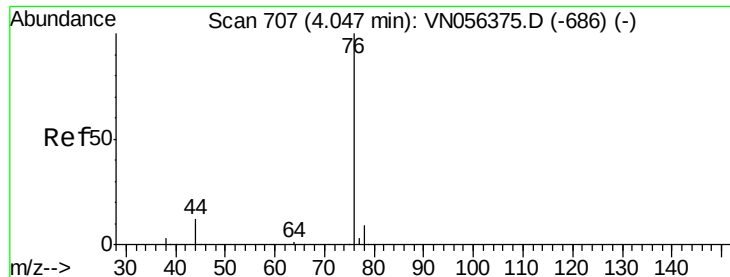
58 33.4 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.026 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

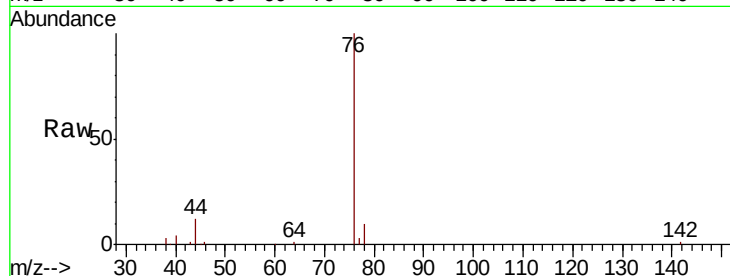
VN0619WBSD01

Tot Ion: 76 Resp: 139967

Ion Ratio Lower Upper

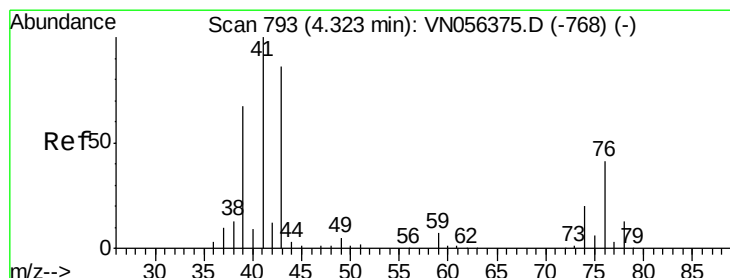
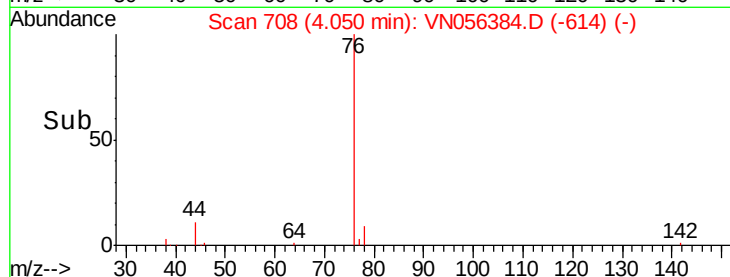
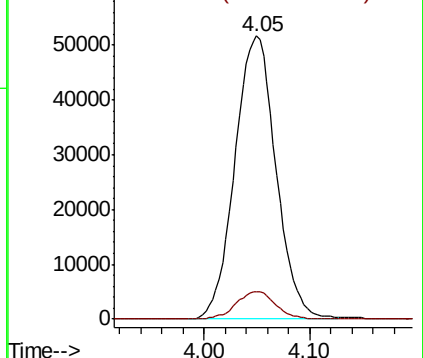
76 100

78 9.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.601 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056384.D

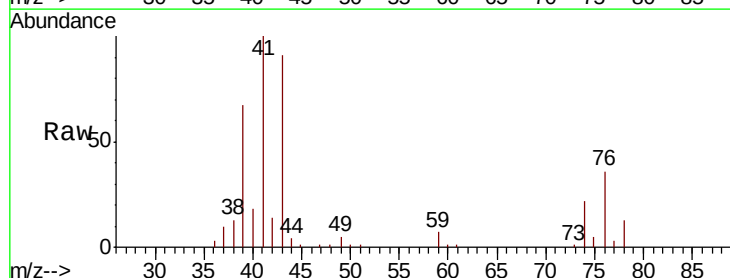
Acq: 19 Jun 2019 14:09

Tgt Ion: 43 Resp: 84065

Ion Ratio Lower Upper

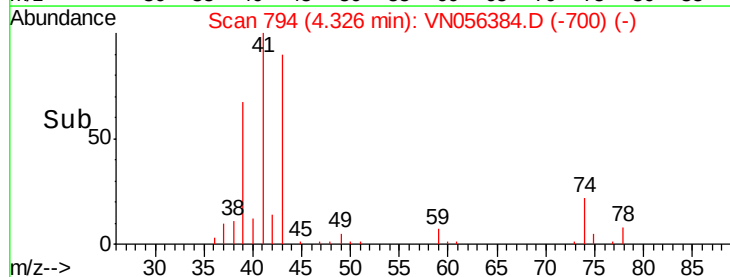
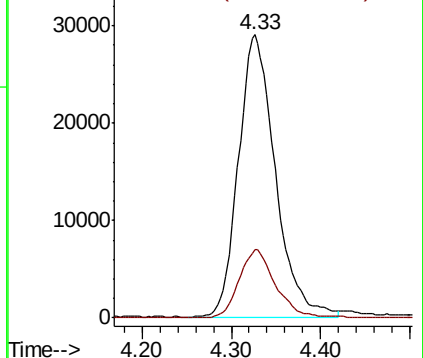
43 100

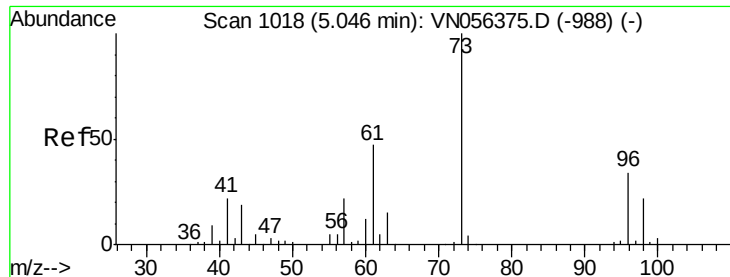
74 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

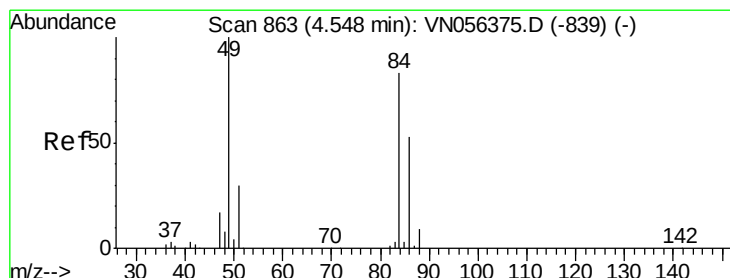
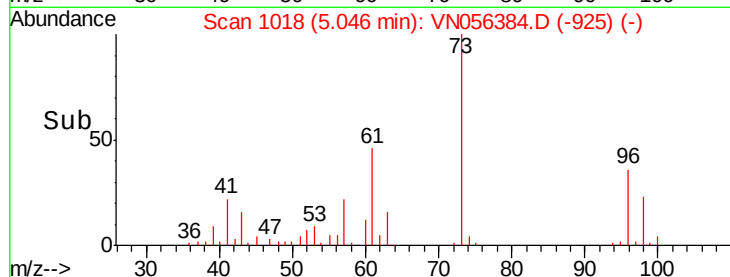
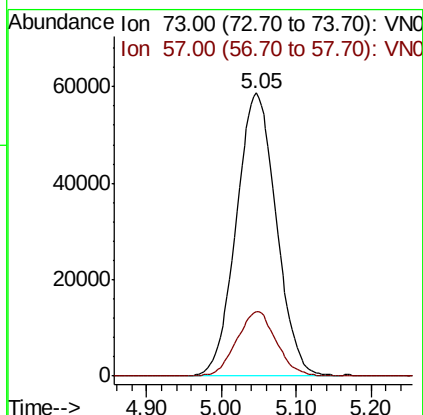
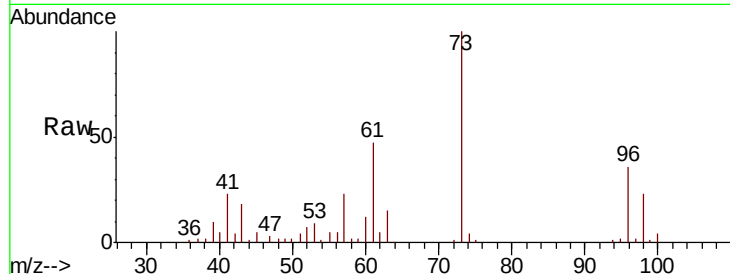




#19
Methvl tert-butyl Ether
Concen: 20.392 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

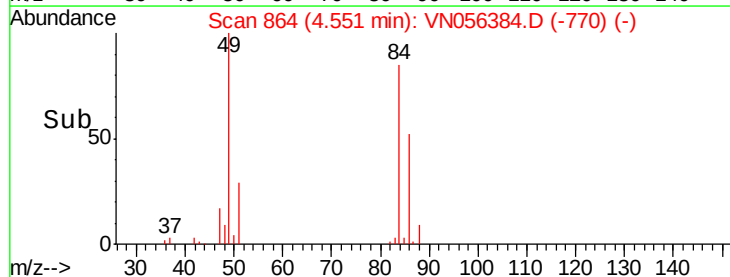
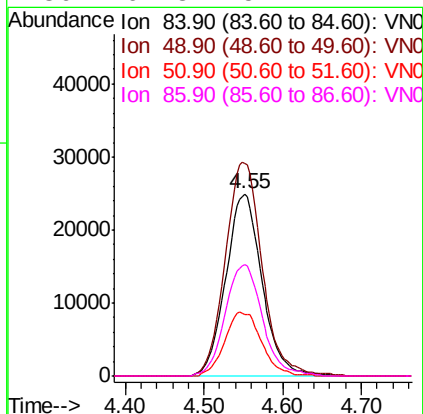
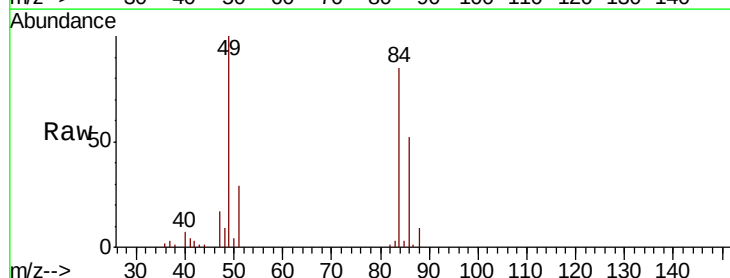
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

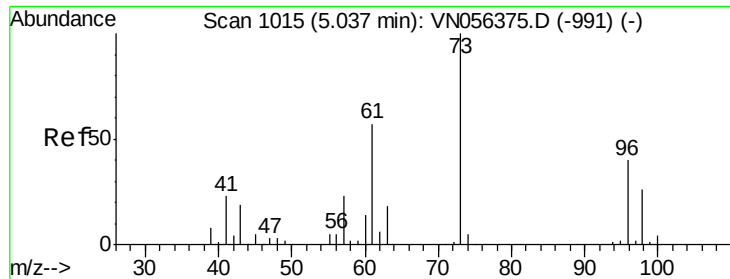
Tot Ion: 73 Resp: 218242
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9



#20
Methylene Chloride
Concen: 20.293 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 84 Resp: 79803
Ion Ratio Lower Upper
84 100
49 117.2 96.4 144.6
51 34.0 28.6 43.0
86 61.3 51.4 77.2

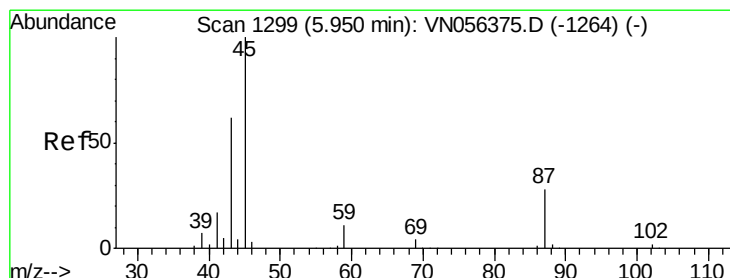
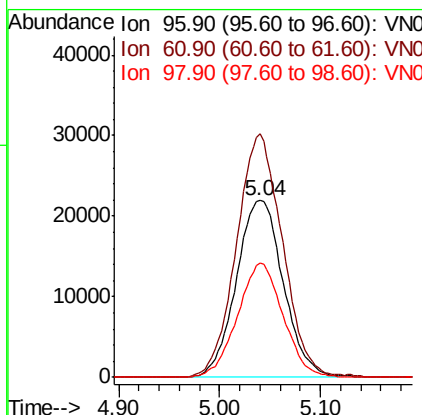
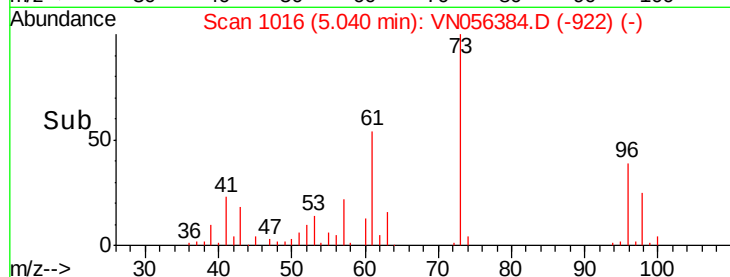
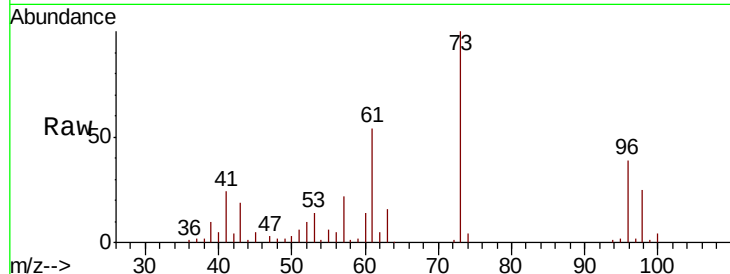




#21
trans-1,2-Dichloroethene
Concen: 20.296 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

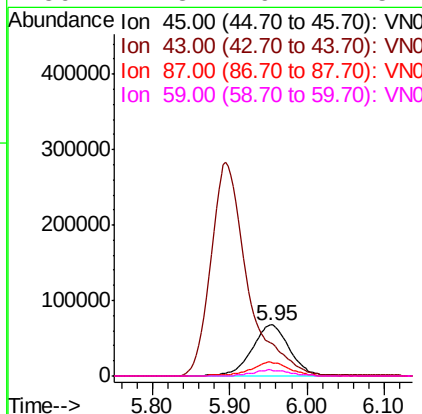
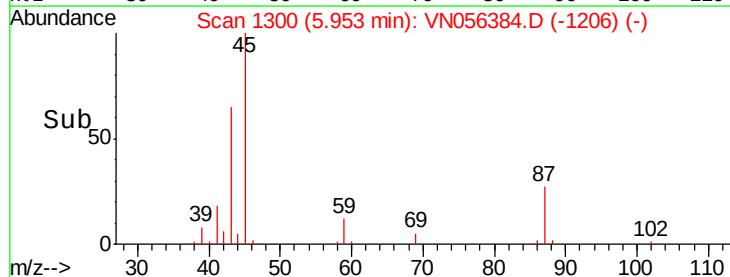
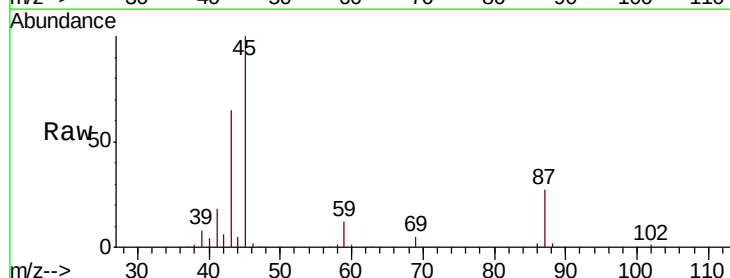
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

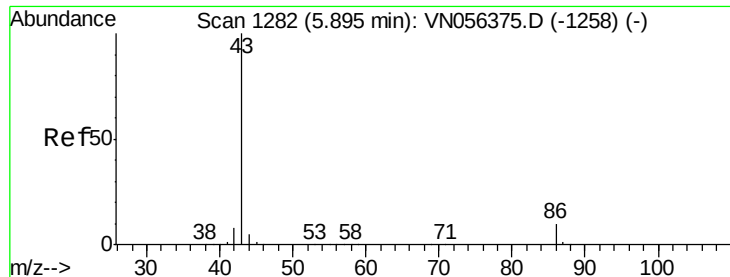
Tot Ion: 96 Resp: 70780
Ion Ratio Lower Upper
96 100
61 137.9 113.0 169.6
98 64.8 52.2 78.2



#22
Diisopropyl ether
Concen: 20.315 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 45 Resp: 229709
Ion Ratio Lower Upper
45 100
43 62.0 50.4 75.6
87 26.2 23.0 34.4
59 11.3 9.1 13.7





#23

Vinyl Acetate

Concen: 104.907 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

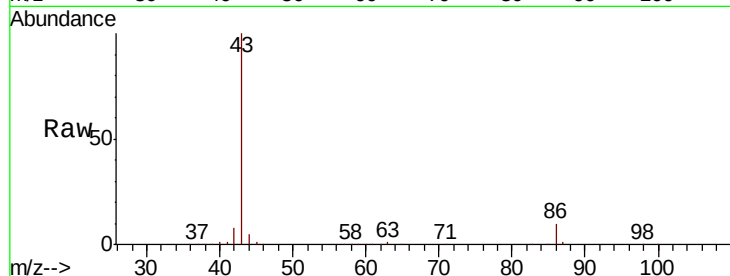
VN0619WBSD01

Tot Ion: 43 Resp: 935600

Ion Ratio Lower Upper

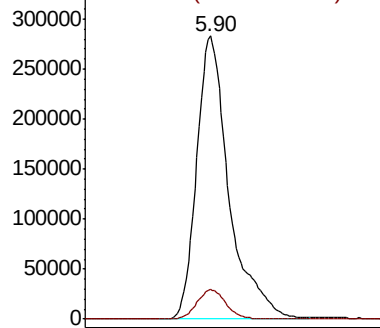
43 100

86 10.4 8.3 12.5

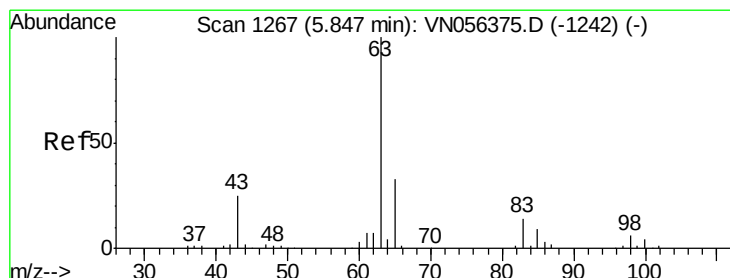
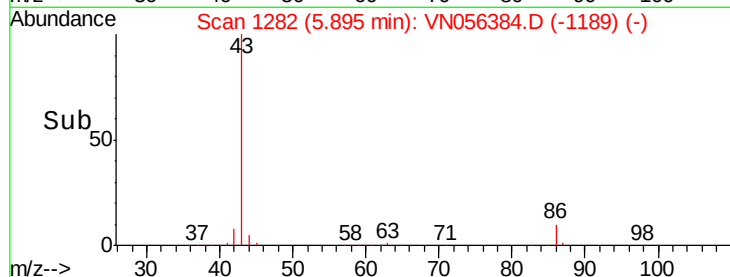


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.129 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

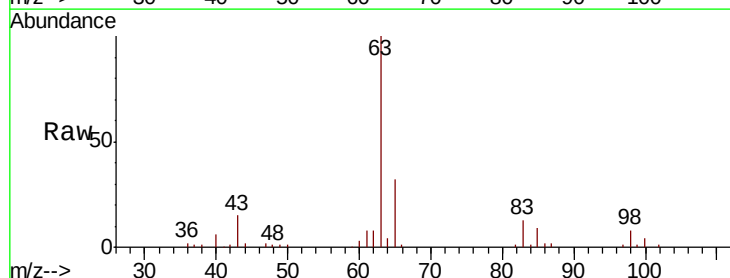
Tgt Ion: 63 Resp: 130655

Ion Ratio Lower Upper

63 100

98 7.5 3.2 9.6

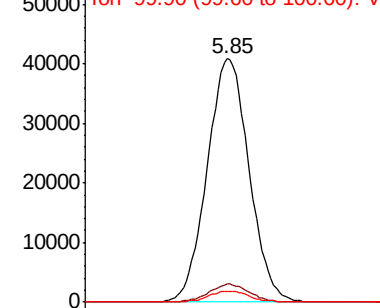
100 4.3 2.1 6.5



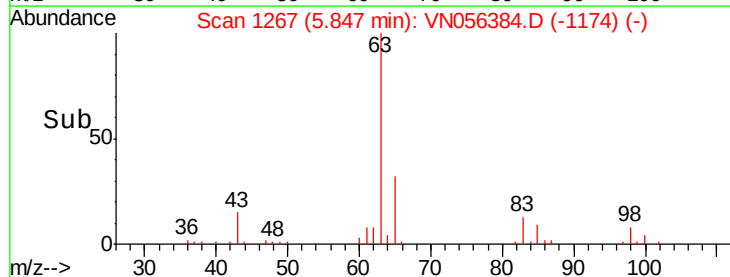
Abundance Ion 62.90 (62.60 to 63.60): VN0

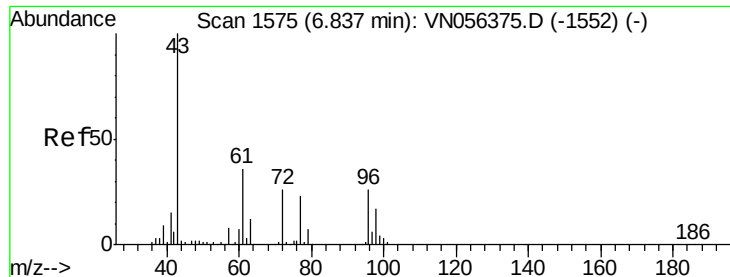
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 98.329 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

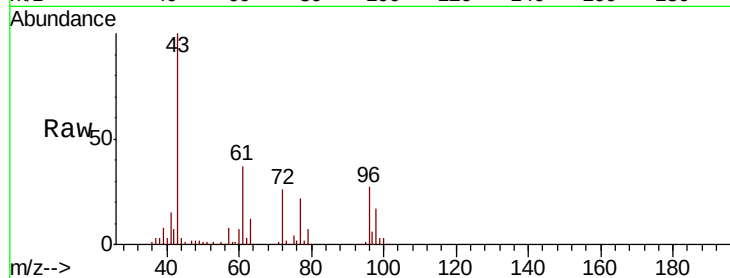
VN0619WBSD01

Tot Ion: 43 Resp: 264582

Ion Ratio Lower Upper

43 100

72 26.2 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

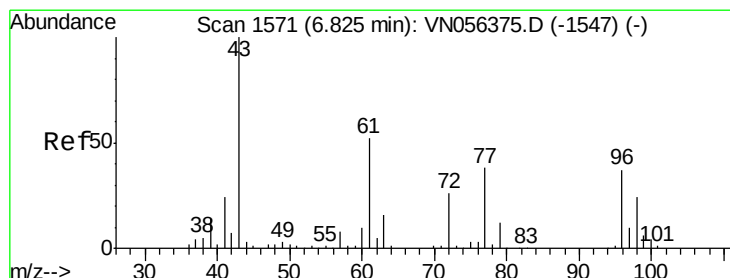
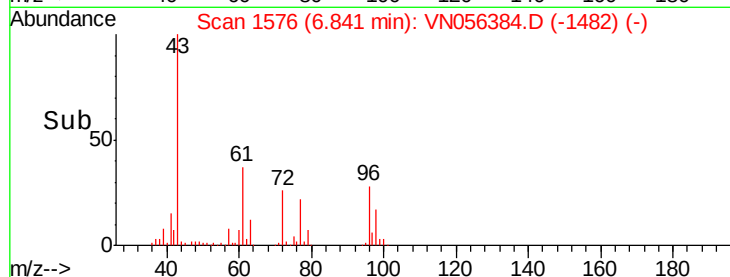
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 18.680 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056384.D

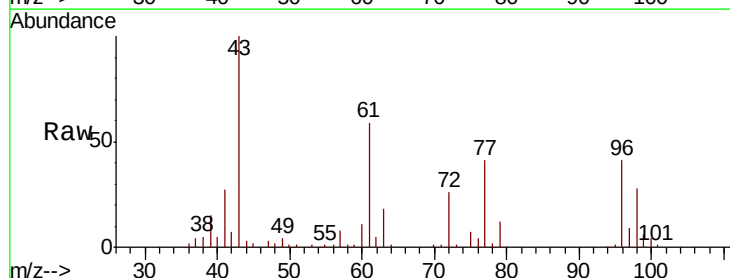
Acq: 19 Jun 2019 14:09

Tgt Ion: 77 Resp: 84328

Ion Ratio Lower Upper

77 100

97 24.8 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

30000

25000

20000

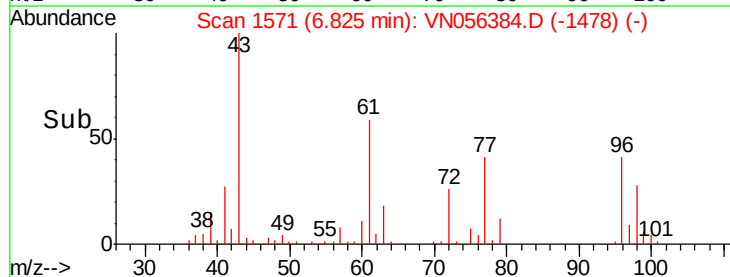
15000

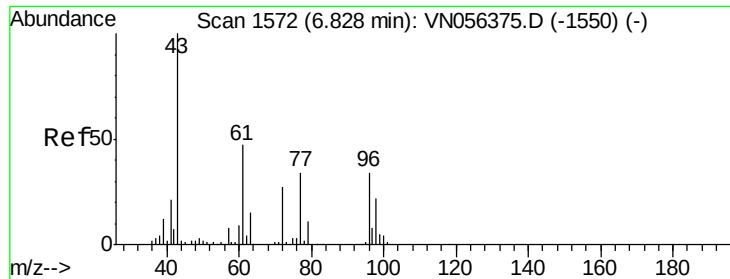
10000

5000

0

Time--> 6.70 6.80 6.90

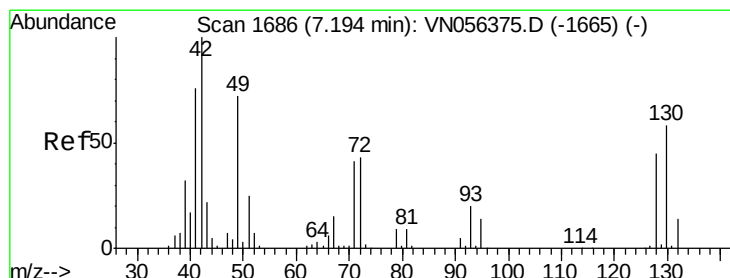
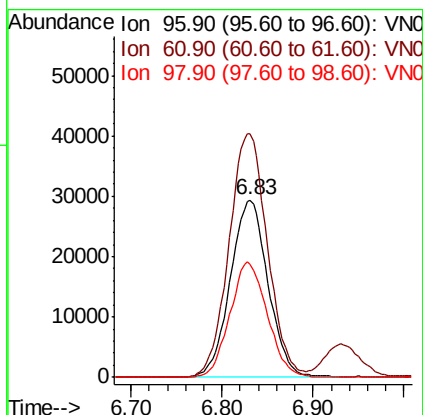
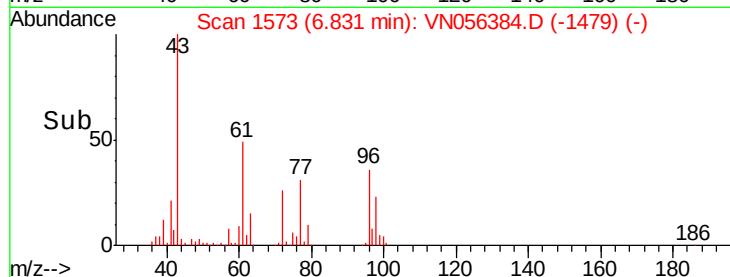
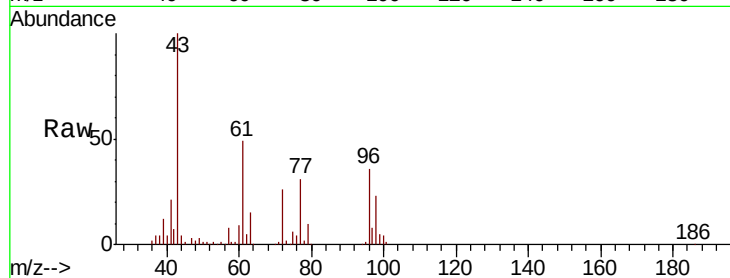




#27
 cis-1,2-Dichloroethene
 Concen: 20.772 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

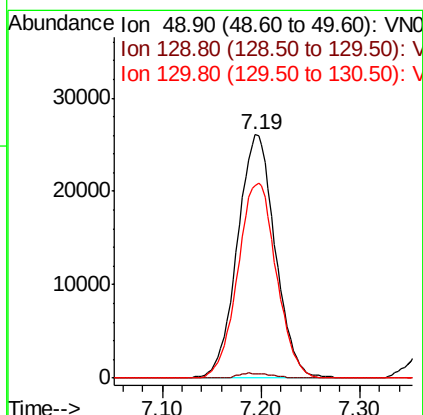
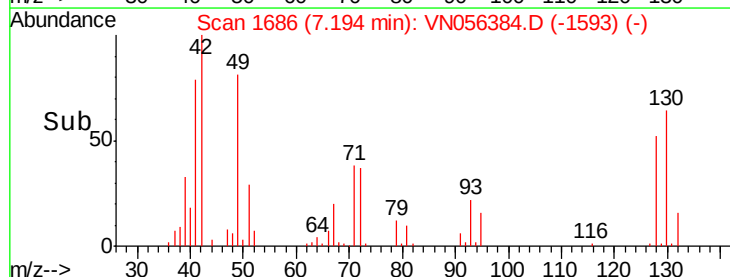
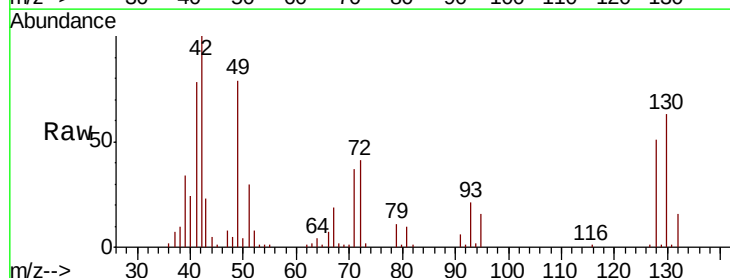
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

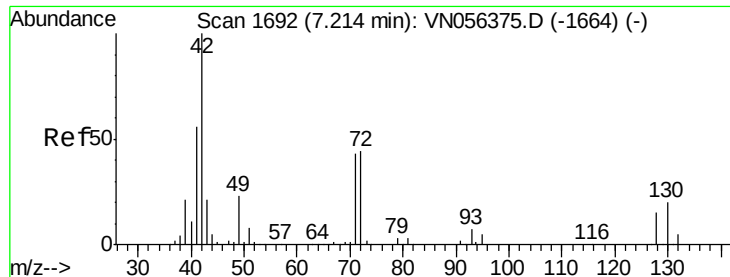
Tot Ion: 96 Resp: 84747
 Ion Ratio Lower Upper
 96 100
 61 139.5 0.0 279.8
 98 64.3 0.0 130.0



#28
 Bromochloromethane
 Concen: 21.547 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion: 49 Resp: 69175
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 4.2
 130 81.6 64.9 97.3





#29

Tetrahydrofuran

Concen: 106.589 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

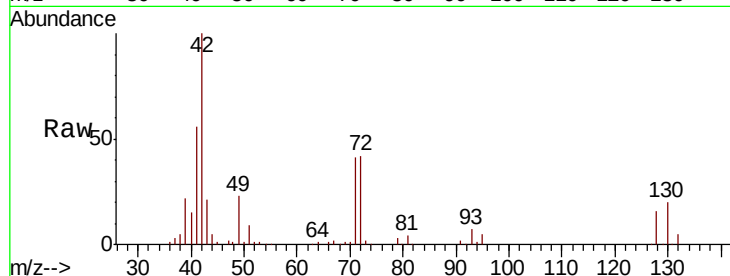
Tot Ion: 42 Resp: 175269

Ion Ratio Lower Upper

42 100

72 42.5 34.7 52.1

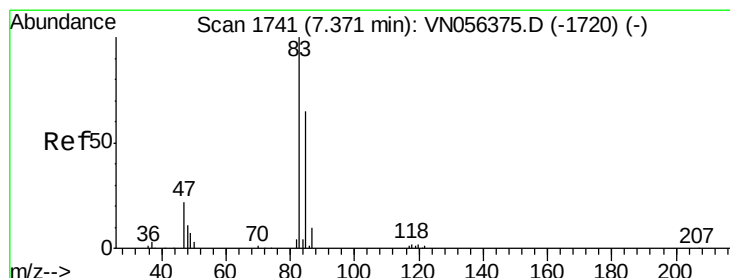
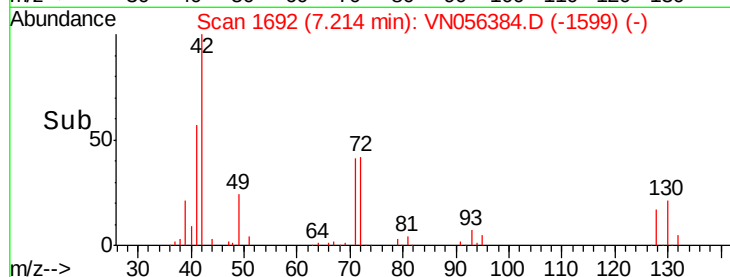
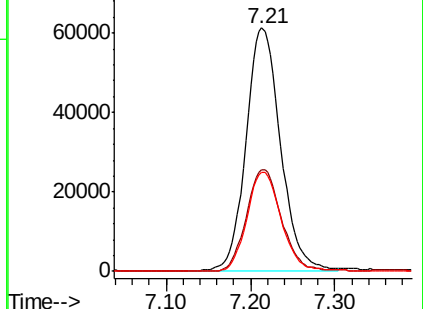
71 40.1 33.0 49.6



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: 20.420 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN056384.D

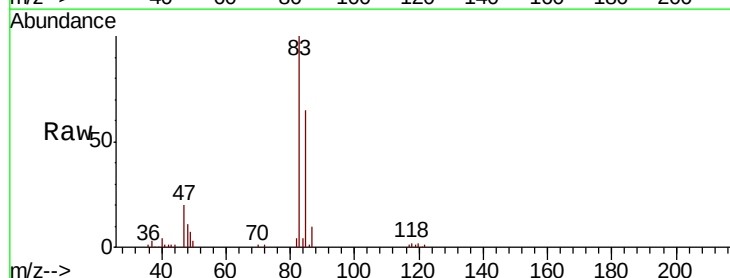
Acq: 19 Jun 2019 14:09

Tgt Ion: 83 Resp: 130786

Ion Ratio Lower Upper

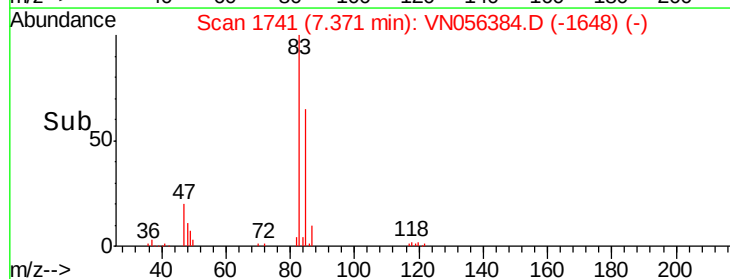
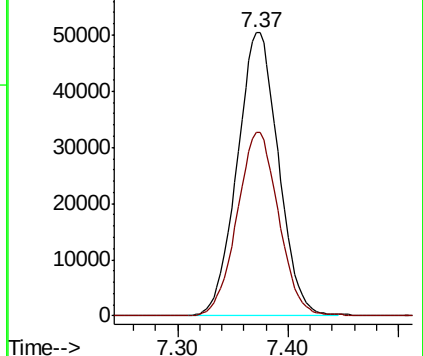
83 100

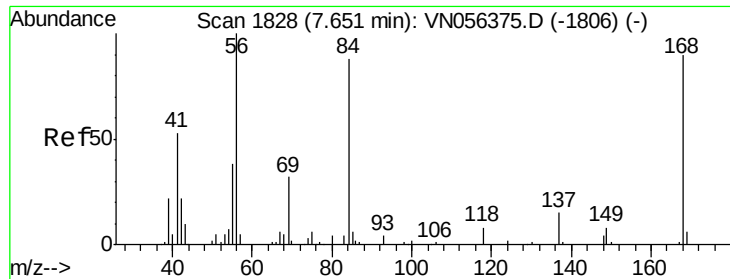
85 64.8 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

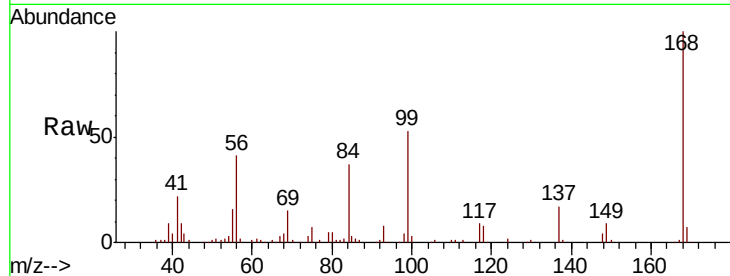




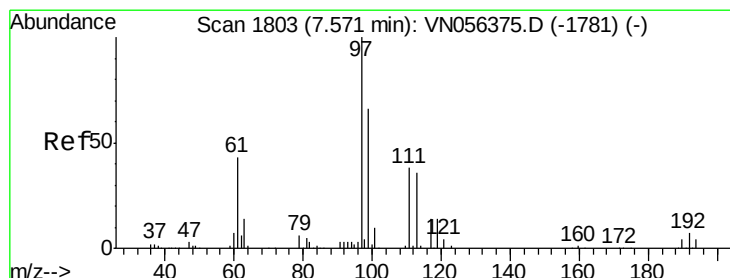
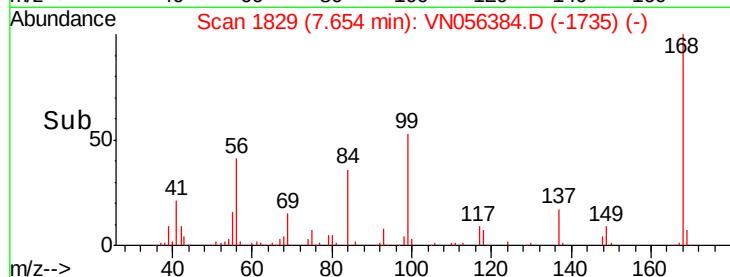
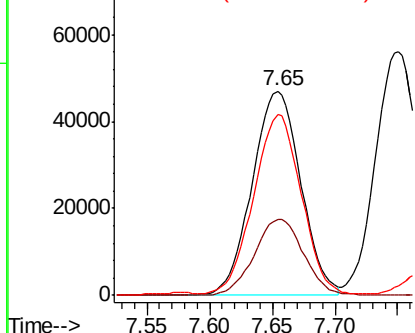
#31
Cyclohexane
Concen: 20.229 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

Tot Ion: 56 Resp: 126762
Ion Ratio Lower Upper
56 100
69 37.1 25.8 38.6
84 87.6 69.4 104.0

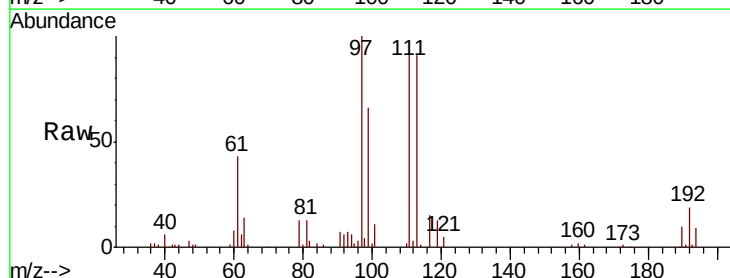


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

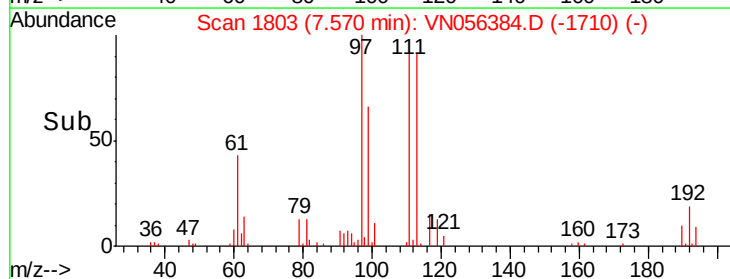
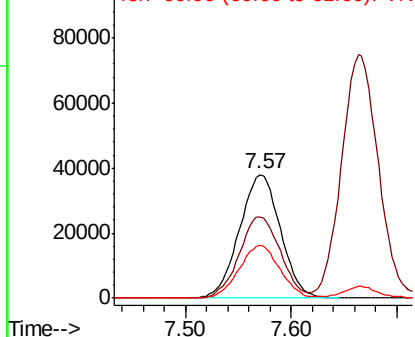


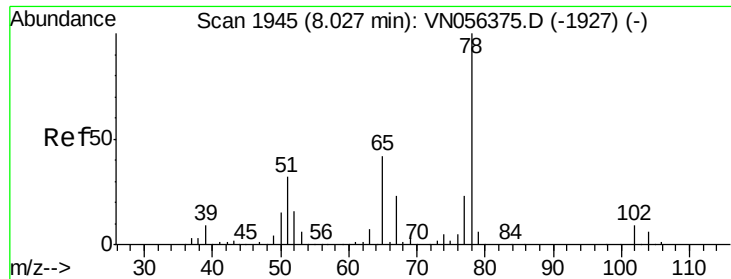
#32
1,1,1-Trichloroethane
Concen: 20.252 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 97 Resp: 102814
Ion Ratio Lower Upper
97 100
99 66.3 51.8 77.6
61 42.2 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

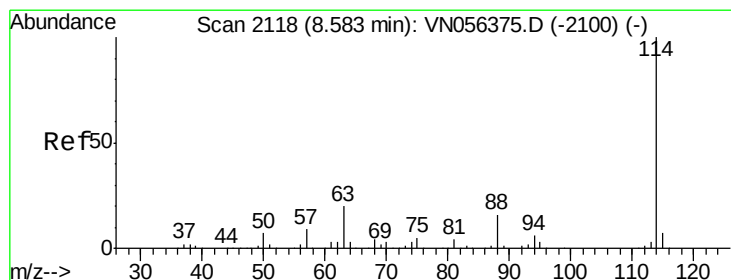
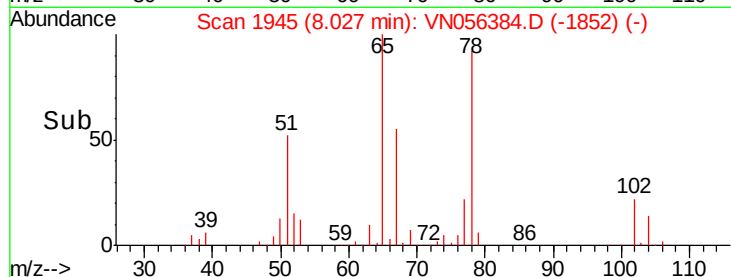
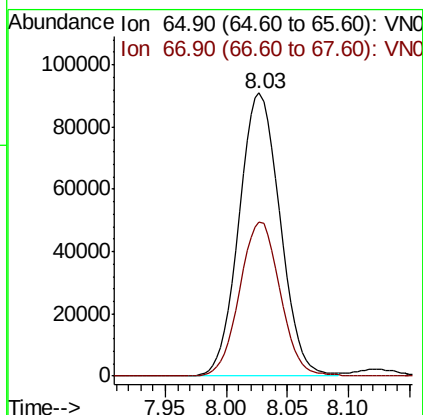
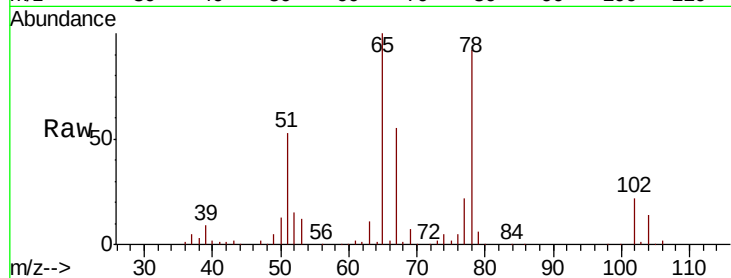




#33
 1,2-Dichloroethane-d4
 Concen: 52.150 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

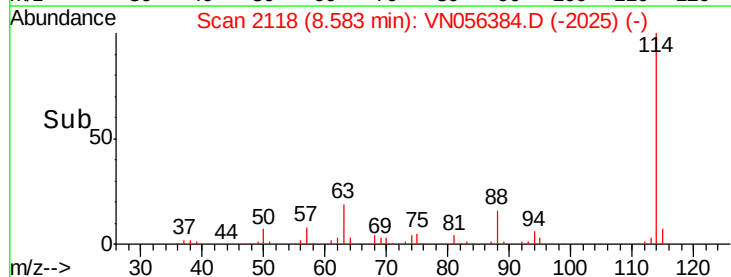
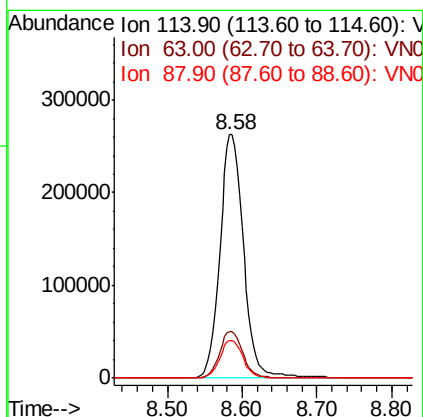
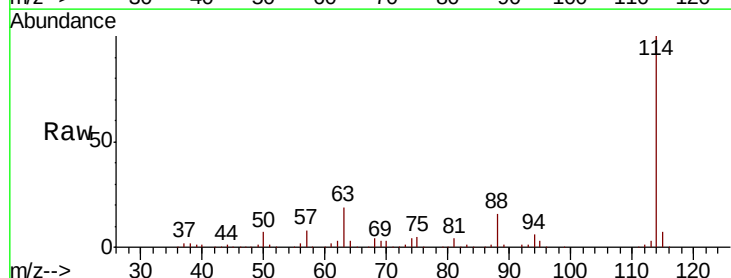
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

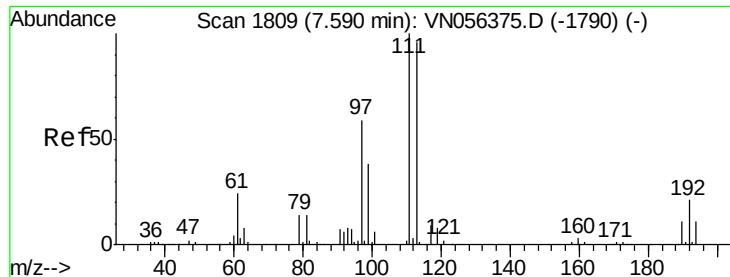
Tot Ion: 65 Resp: 211622
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion: 114 Resp: 572959
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.5 0.0 31.4

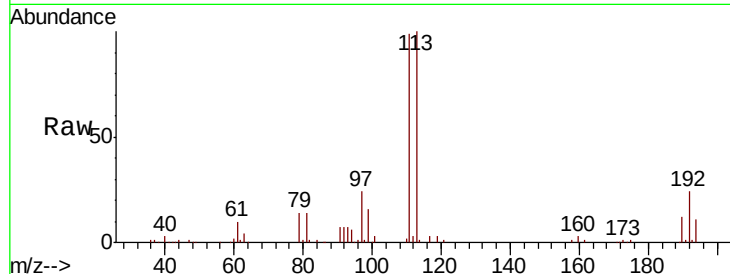




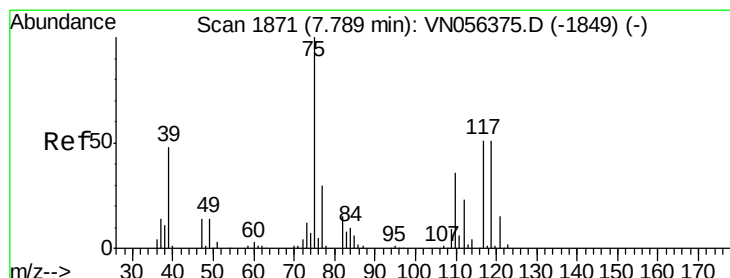
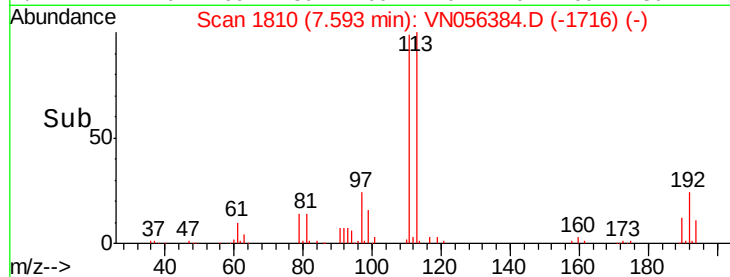
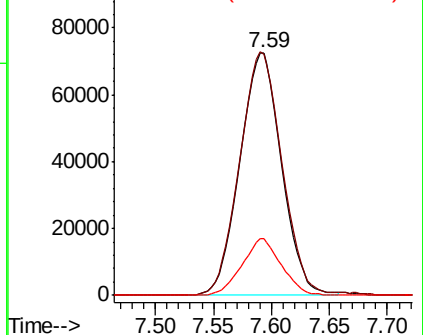
#35
 Dibromofluoromethane
 Concen: 50.632 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion:113 Resp: 180975
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 22.1 17.7 26.5

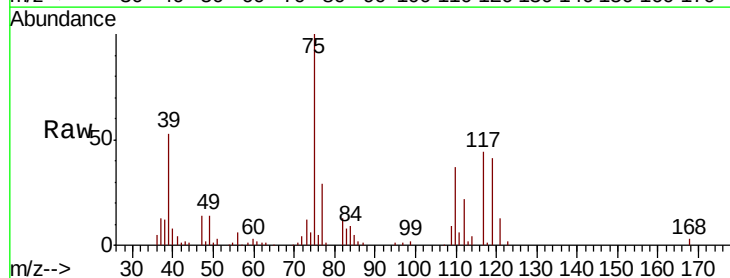


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

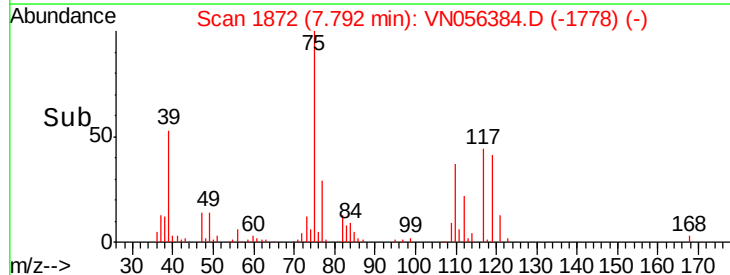
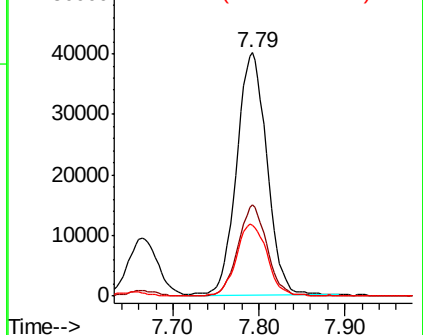


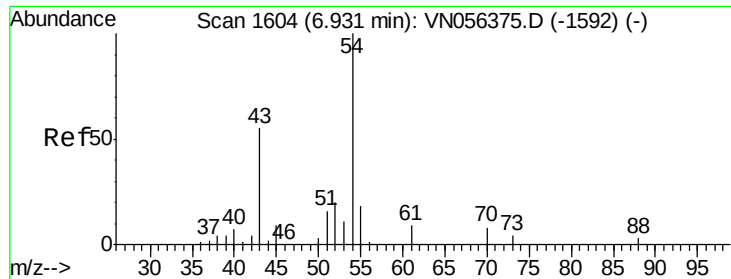
#36
 1,1-Dichloropropene
 Concen: 19.447 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion: 75 Resp: 98072
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.1 54.3
 77 30.3 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

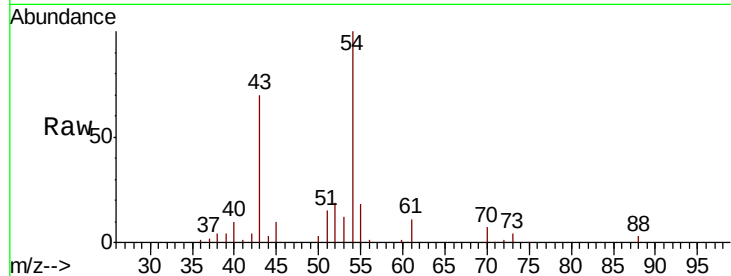




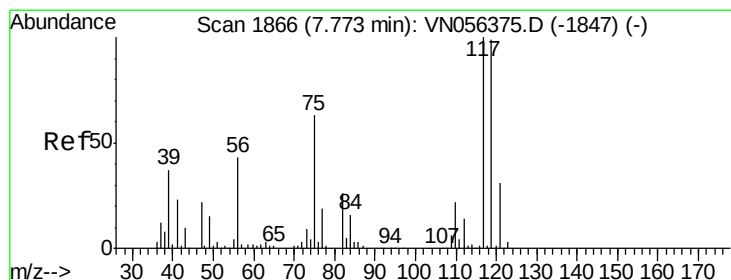
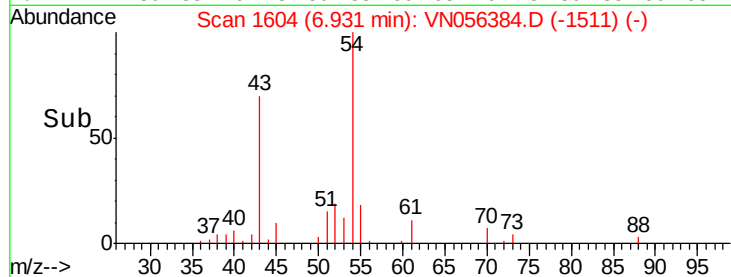
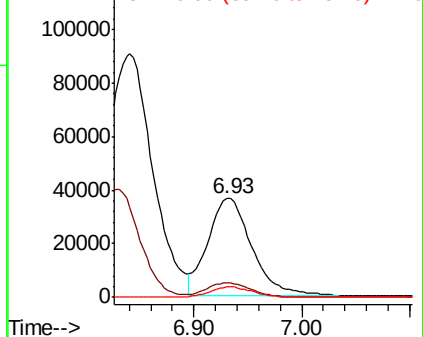
#37
Ethyl Acetate
Concen: 20.953 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

Tot Ion: 43 Resp: 103843
Ion Ratio Lower Upper
43 100
61 15.5 11.1 16.7
70 10.2 8.3 12.5

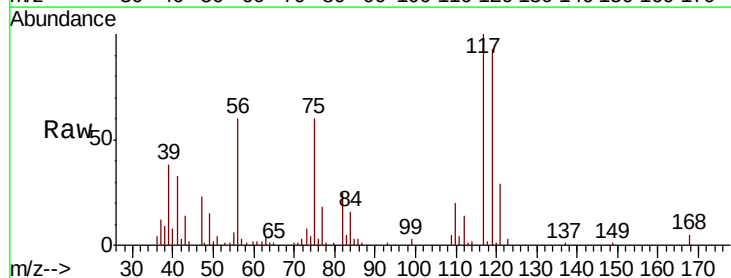


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

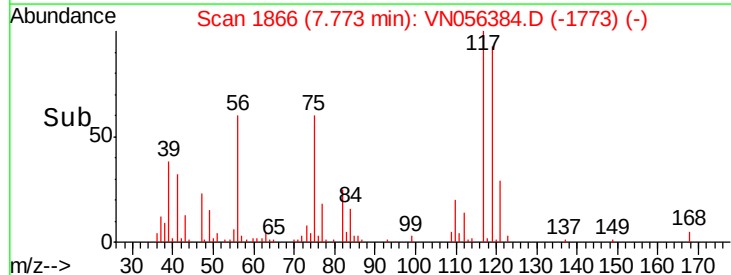
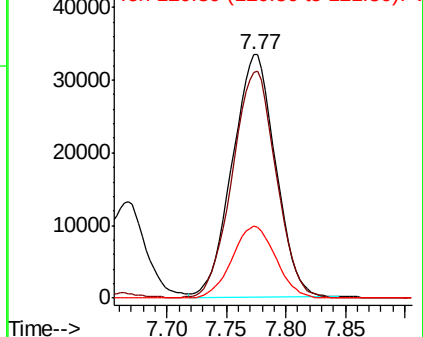


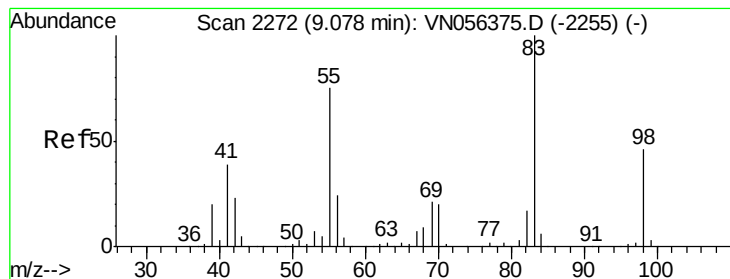
#38
Carbon Tetrachloride
Concen: 19.029 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 117 Resp: 83917
Ion Ratio Lower Upper
117 100
119 93.5 79.1 118.7
121 29.6 24.8 37.2



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





#39

Methylvlcyclohexane

Concen: 18.788 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampled :

VN0619WBSD01

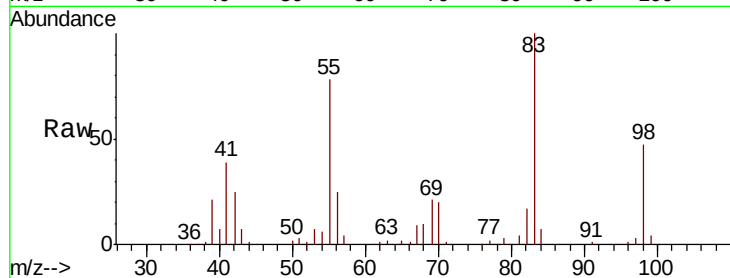
Tot Ion: 83 Resp: 116915

Ion Ratio Lower Upper

83 100

55 77.7 60.0 90.0

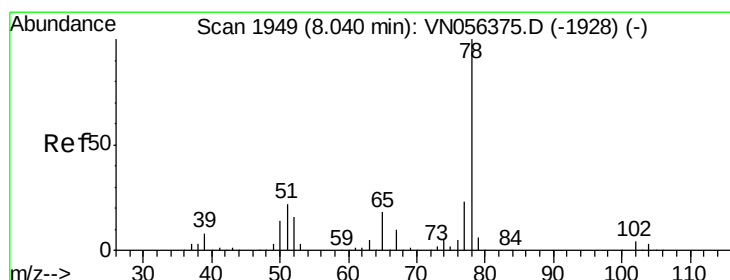
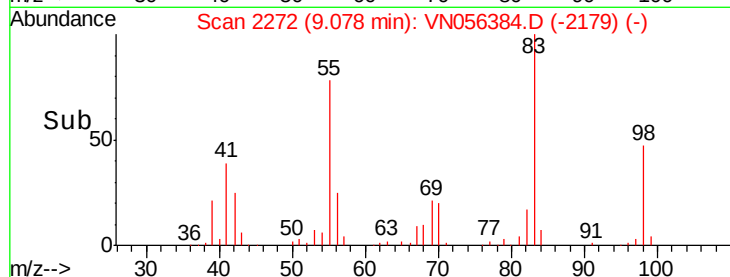
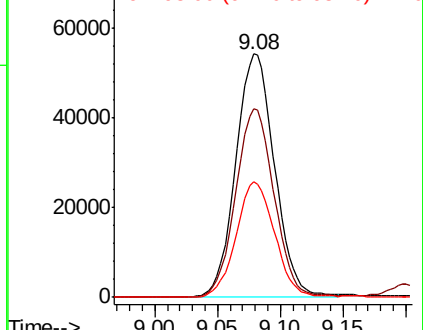
98 47.5 36.6 54.8



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: 19.842 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN056384.D

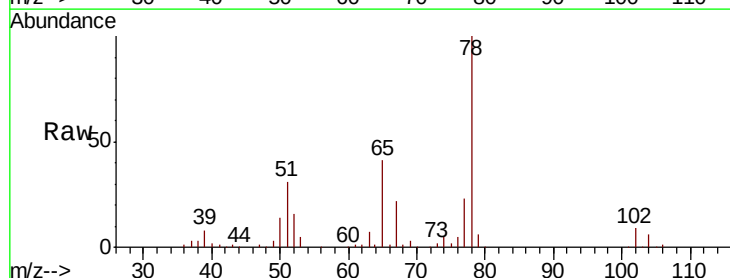
Acq: 19 Jun 2019 14:09

Tgt Ion: 78 Resp: 307793

Ion Ratio Lower Upper

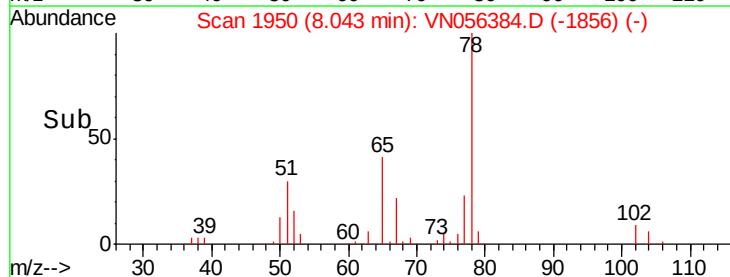
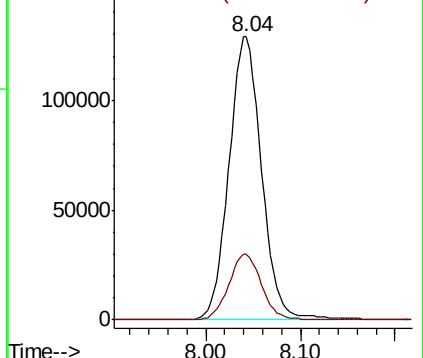
78 100

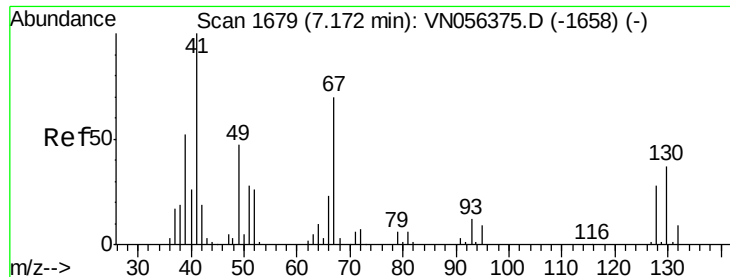
77 23.1 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 67.788 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.04 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 41 Resp: 148351

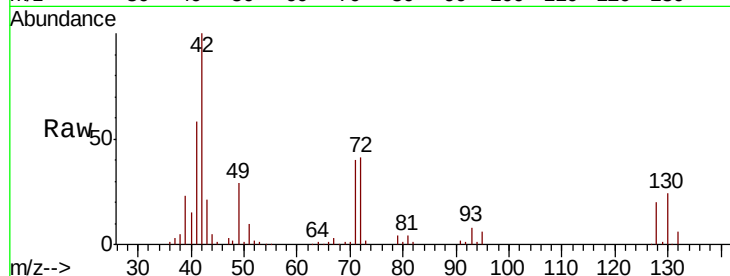
Ion Ratio Lower Upper

41 100

39 0.0 55.3 82.9#

67 0.0 79.2 118.8#

52 0.0 31.4 47.0#

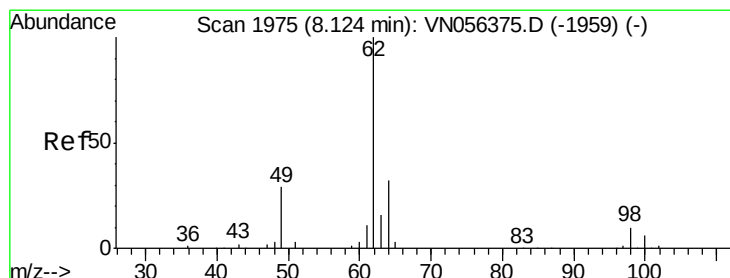
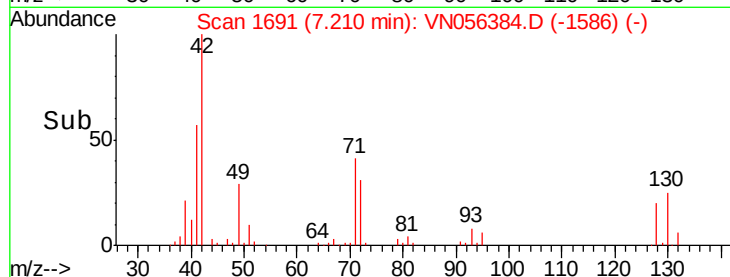
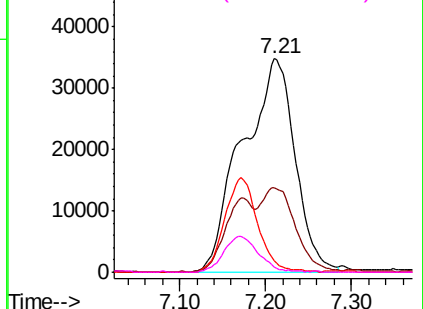


Abundance Ion 41.00 (40.70 to 41.70): VN0

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: 19.661 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN056384.D

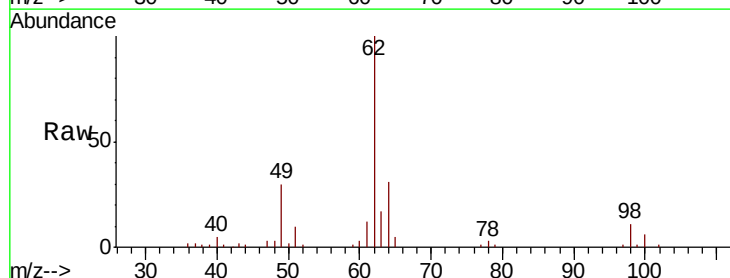
Acq: 19 Jun 2019 14:09

Tgt Ion: 62 Resp: 100652

Ion Ratio Lower Upper

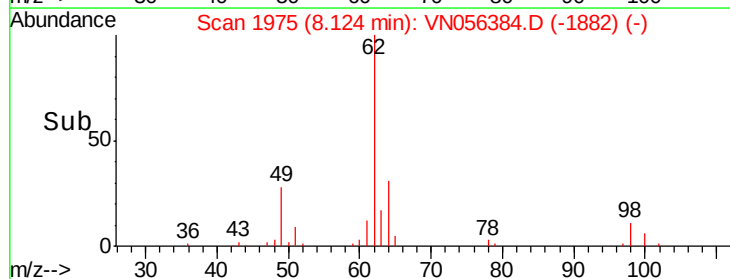
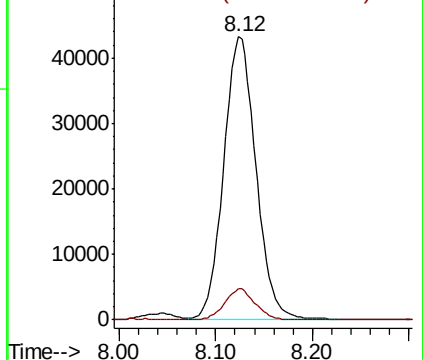
62 100

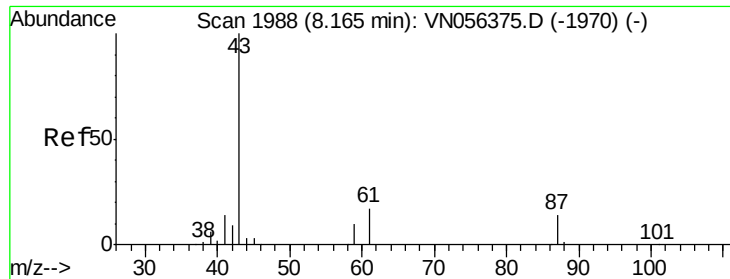
98 10.2 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.531 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

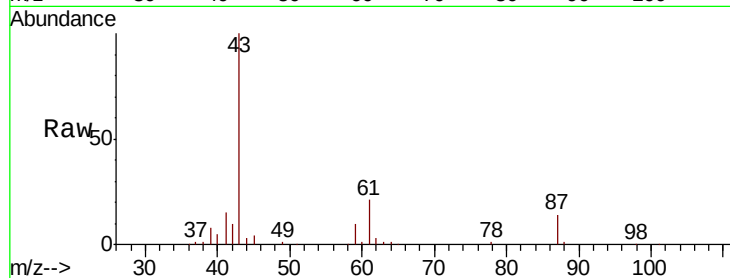
Tot Ion: 43 Resp: 149255

Ion Ratio Lower Upper

43 100

61 22.1 22.0 33.0

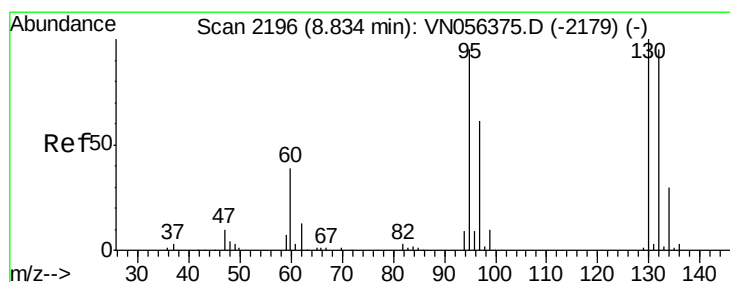
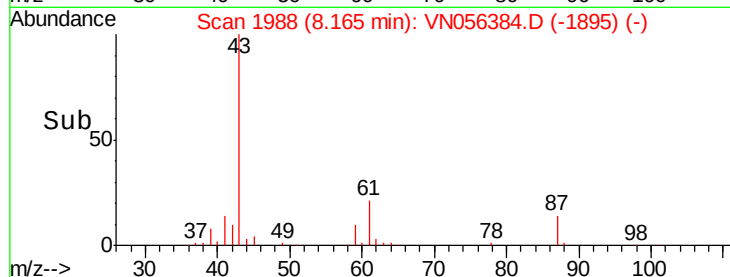
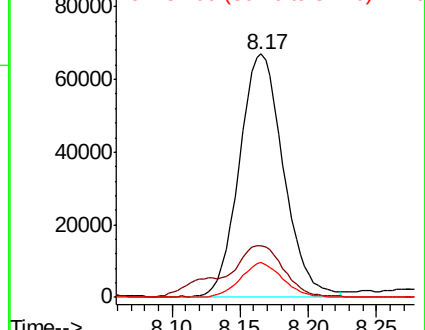
87 13.8 11.0 16.4



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

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

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



#44

Trichloroethene

Concen: 19.782 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056384.D

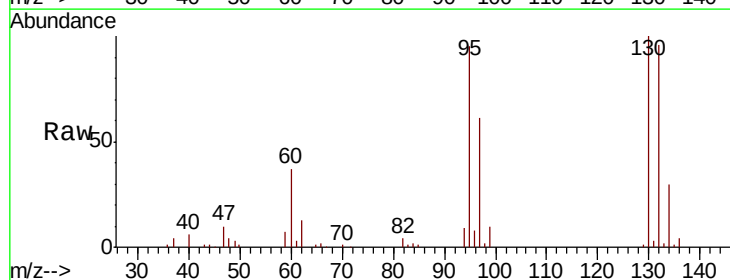
Acq: 19 Jun 2019 14:09

Tgt Ion:130 Resp: 82664

Ion Ratio Lower Upper

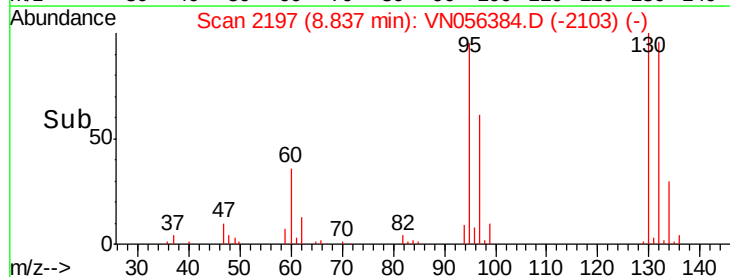
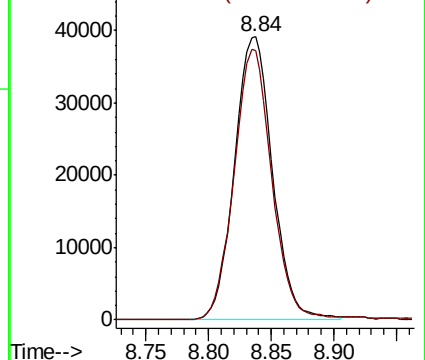
130 100

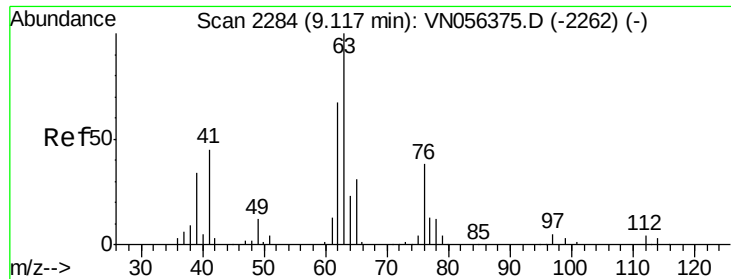
95 95.0 0.0 191.0



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

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

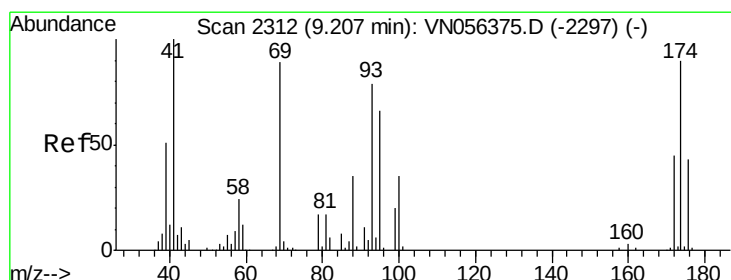
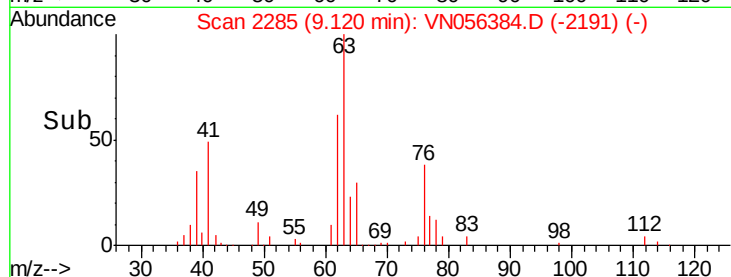
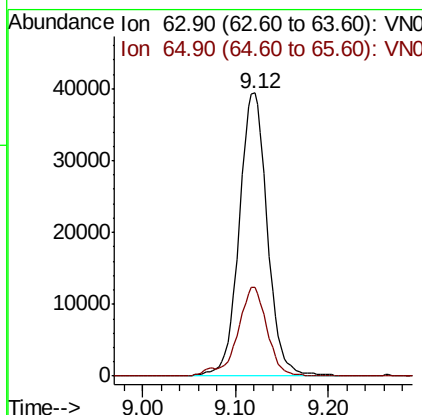
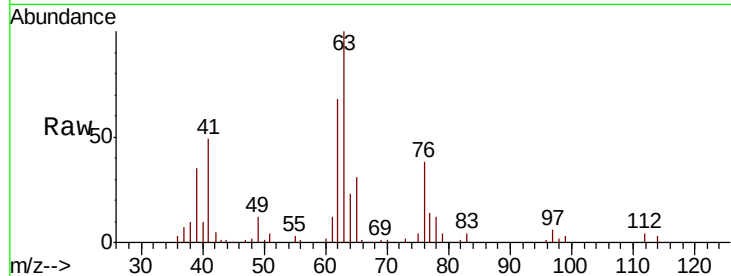




#45
 1,2-Dichloropropane
 Concen: 19.993 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

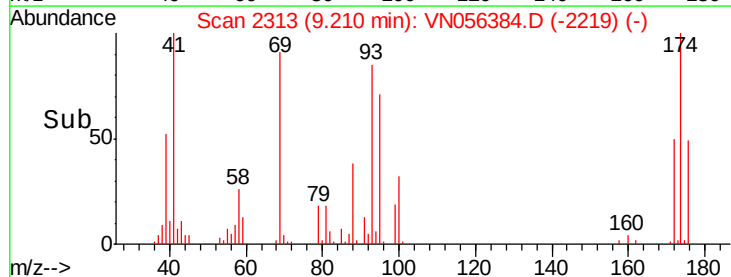
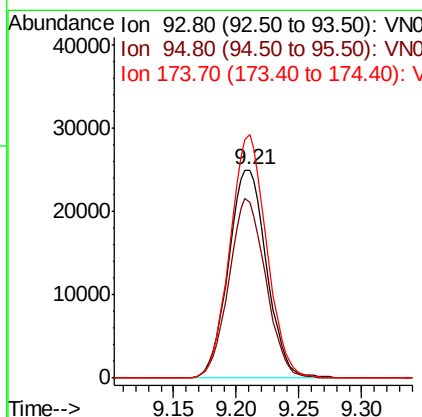
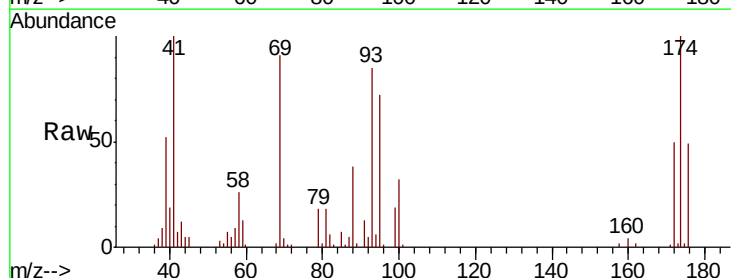
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

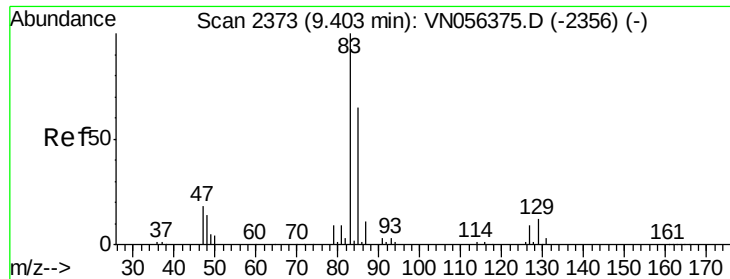
Tot Ion: 63 Resp: 82942
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 20.323 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion: 93 Resp: 52749
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.2 99.2
 174 112.5 90.8 136.2





#47

Bromodichloromethane

Concen: 19.605 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

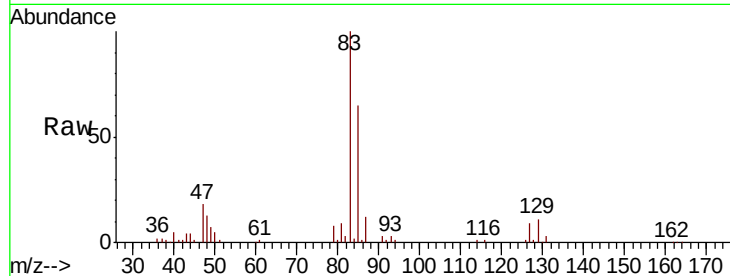
Tot Ion: 83 Resp: 90248

Ion Ratio Lower Upper

83 100

85 65.3 52.2 78.4

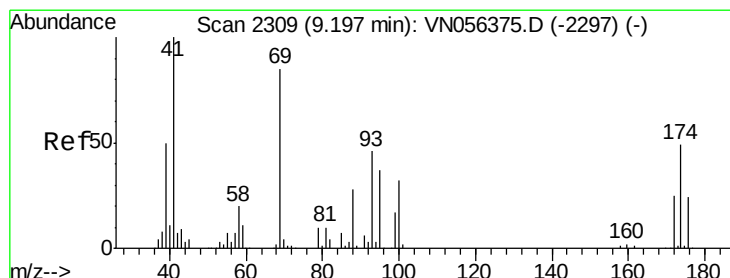
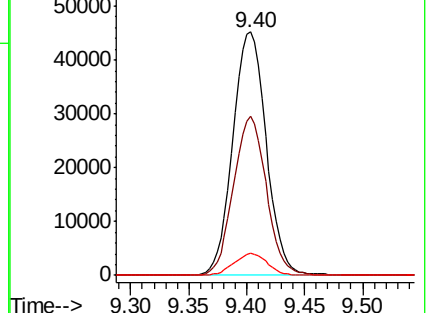
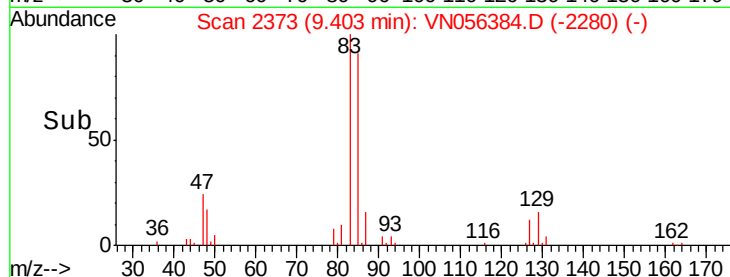
127 8.9 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.024 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

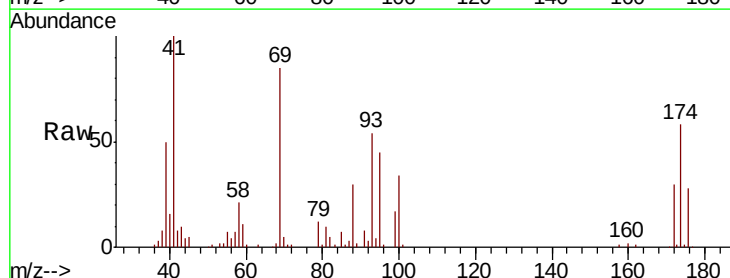
Tgt Ion: 41 Resp: 72855

Ion Ratio Lower Upper

41 100

69 93.5 72.6 109.0

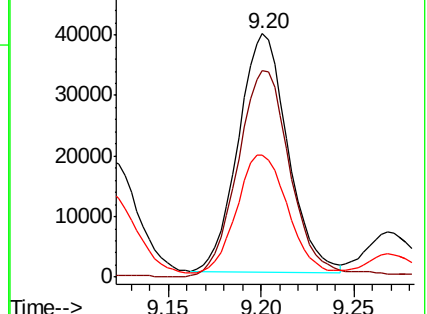
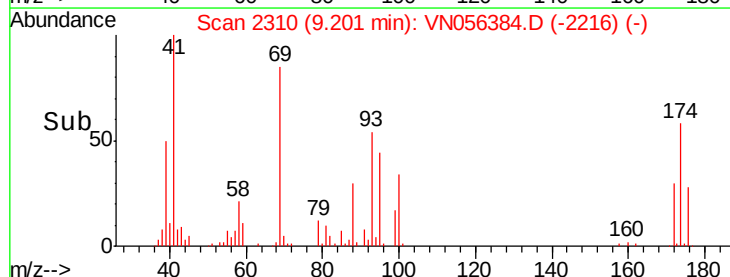
39 53.9 42.6 63.8

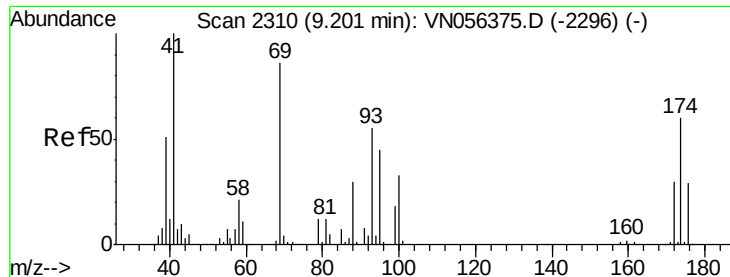


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 394.434 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

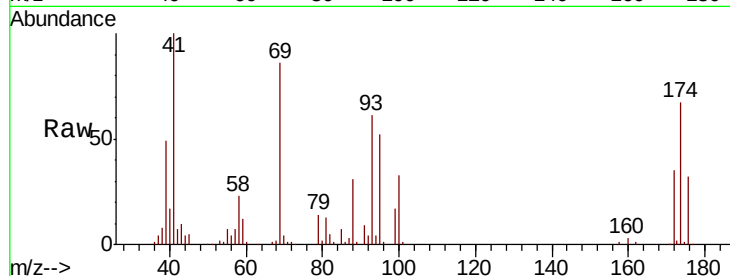
Tot Ion: 88 Resp: 31350

Ion Ratio Lower Upper

88 100

43 26.1 22.0 33.0

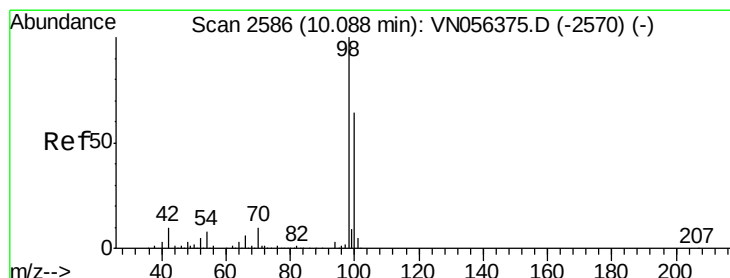
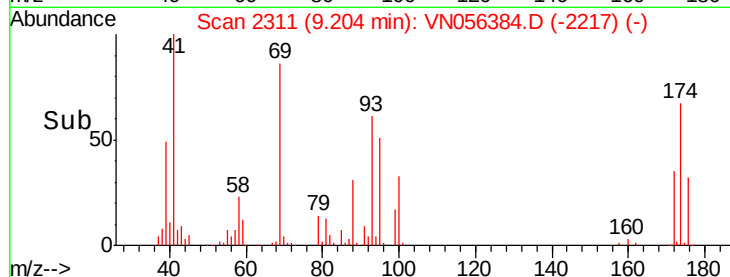
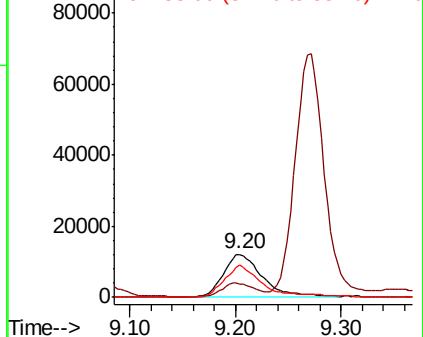
58 73.2 51.8 77.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.260 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056384.D

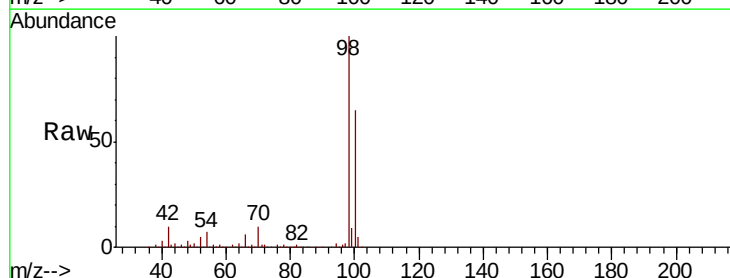
Acq: 19 Jun 2019 14:09

Tgt Ion: 98 Resp: 699021

Ion Ratio Lower Upper

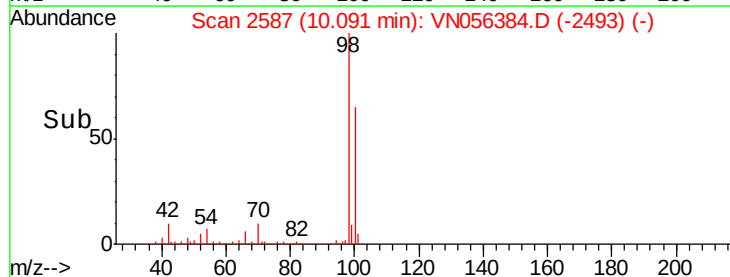
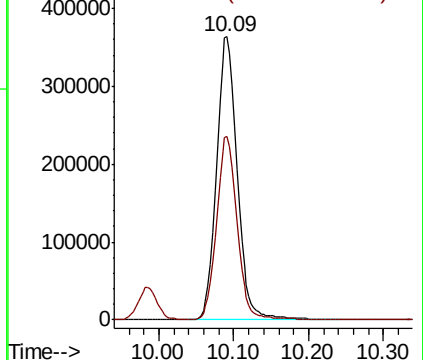
98 100

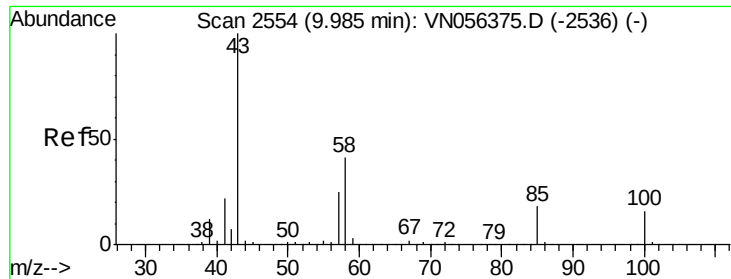
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 100.574 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

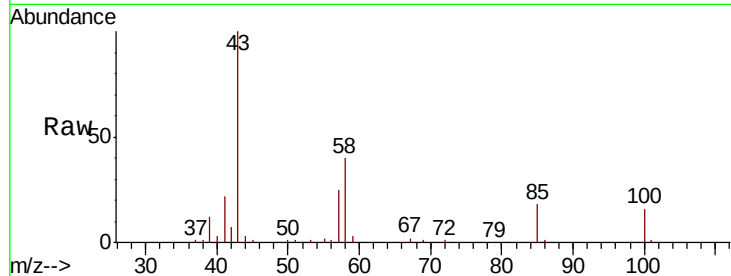
VN0619WBSD01

Tot Ion: 43 Resp: 496076

Ion Ratio Lower Upper

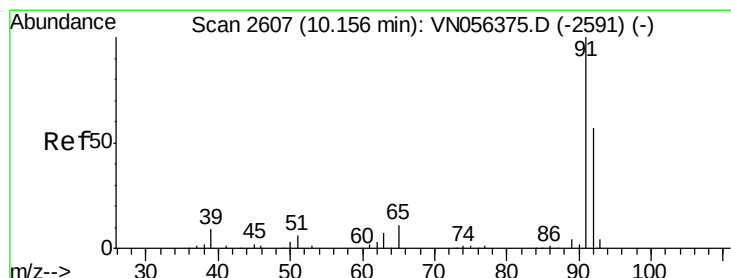
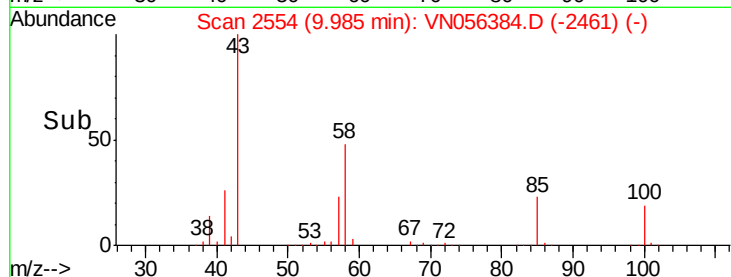
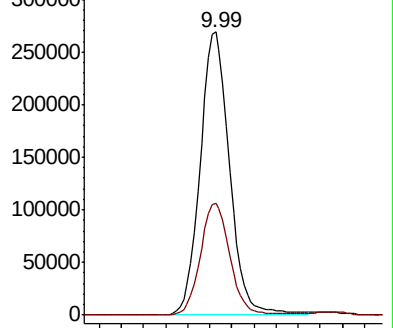
43 100

58 39.8 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.870 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056384.D

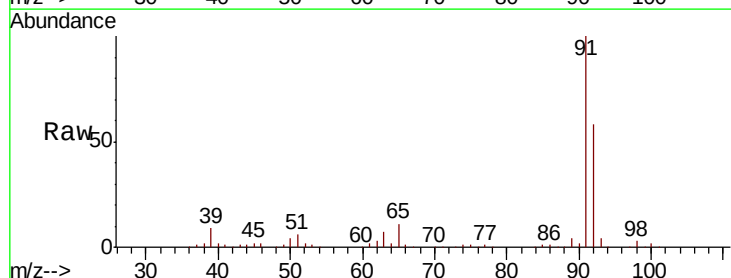
Acq: 19 Jun 2019 14:09

Tgt Ion: 92 Resp: 188445

Ion Ratio Lower Upper

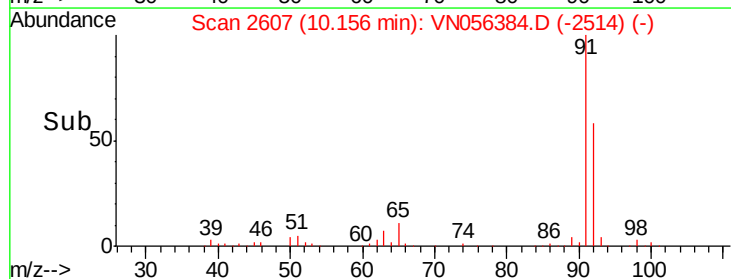
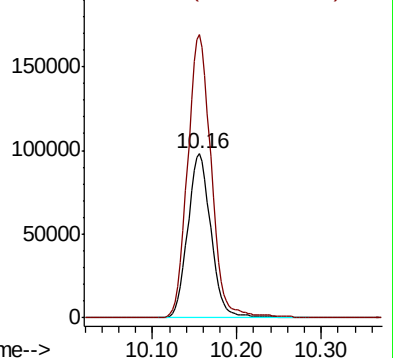
92 100

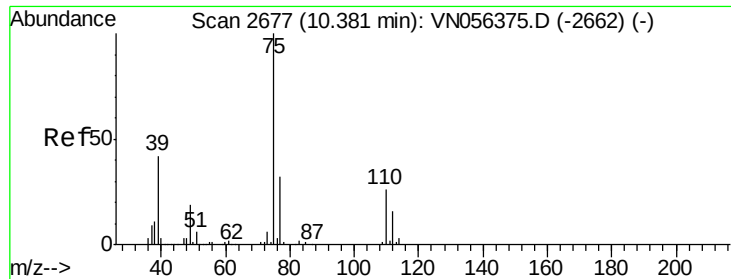
91 174.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.483 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampled :

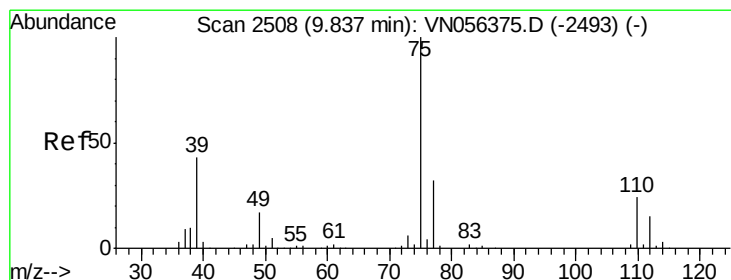
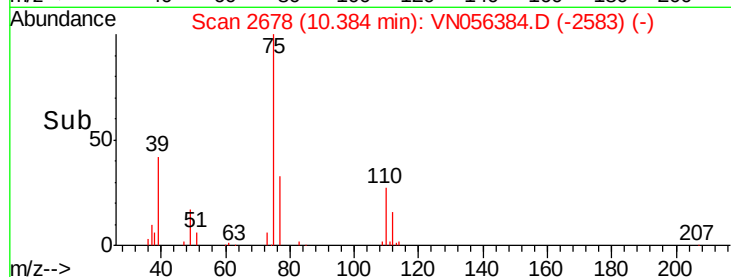
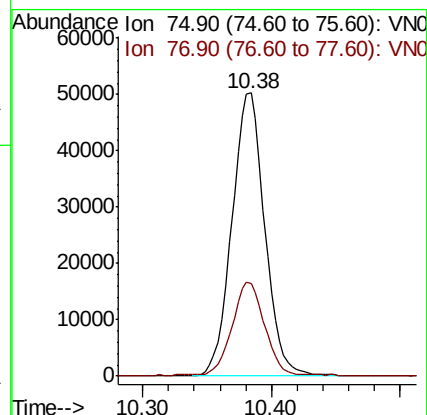
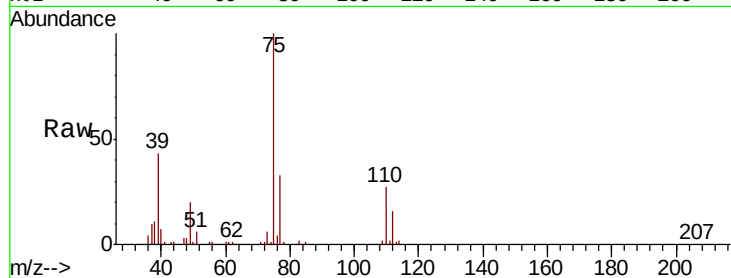
VN0619WBSD01

Tot Ion: 75 Resp: 88728

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.890 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

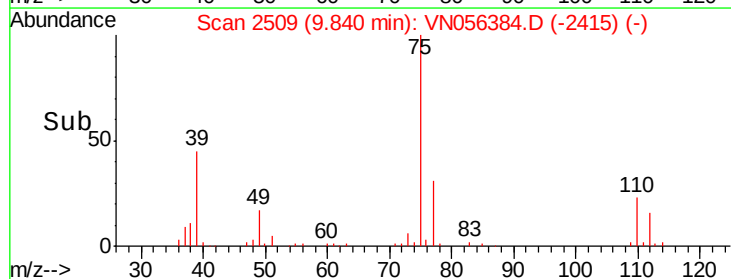
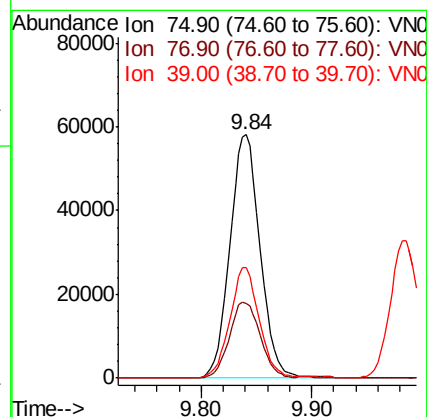
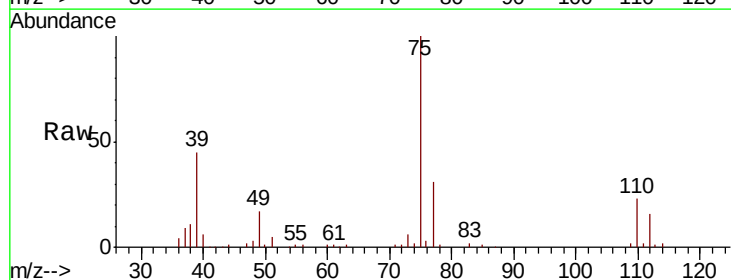
Tgt Ion: 75 Resp: 110259

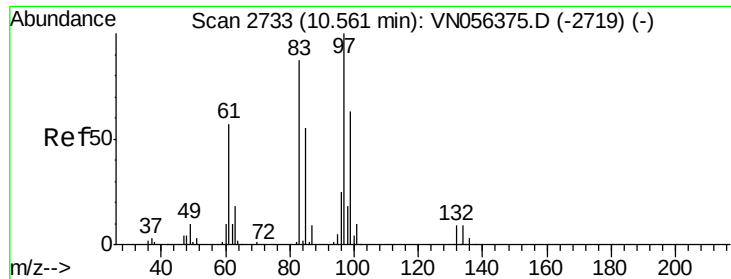
Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 45.3 34.2 51.4

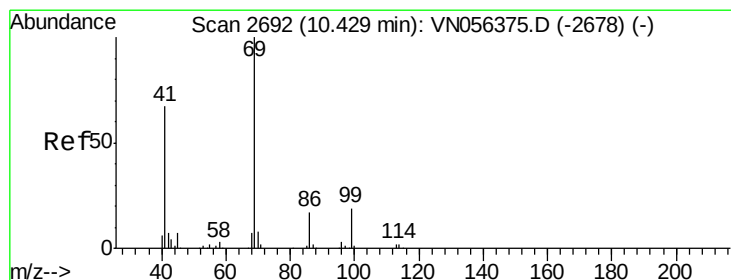
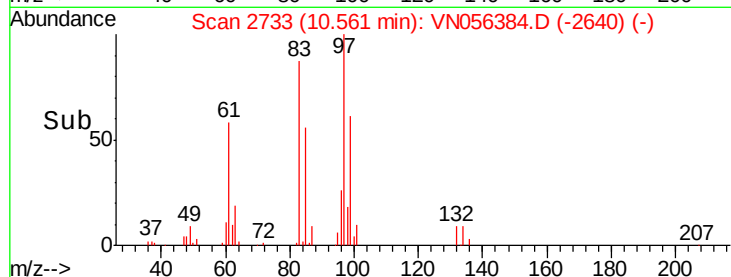
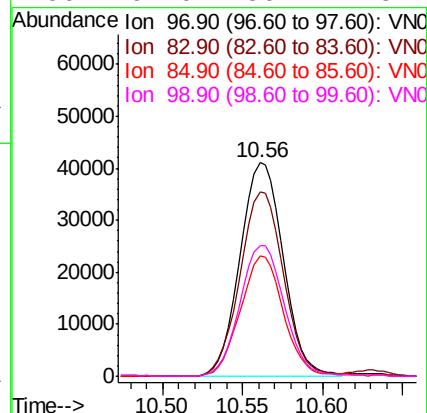
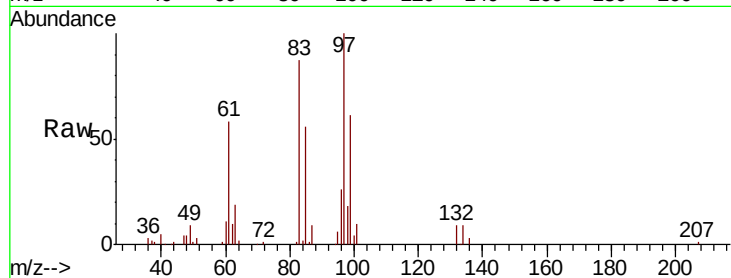




#55
 1,1,2-Trichloroethane
 Concen: 19.933 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

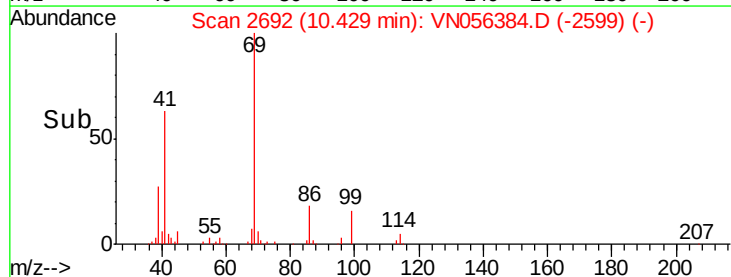
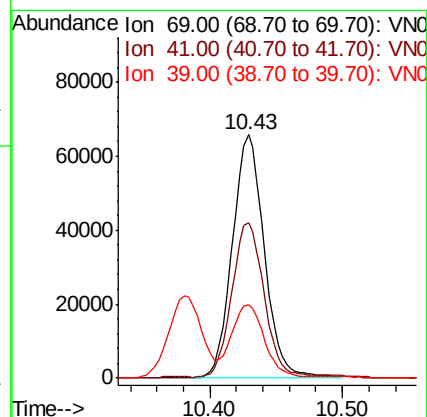
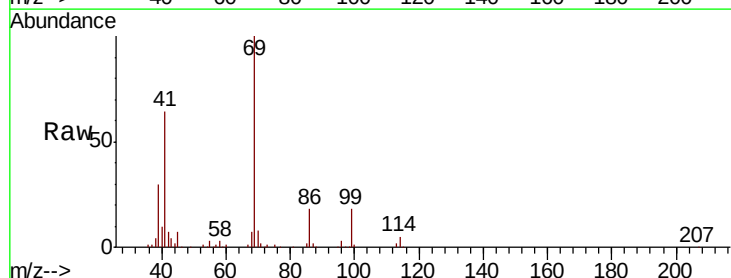
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

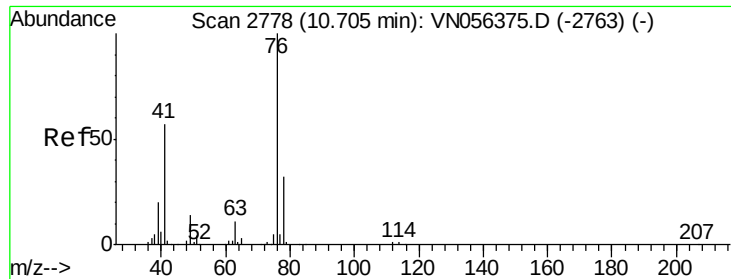
Tot Ion	97	Resp	75988
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.8	104.6
85	56.3	43.8	65.8
99	61.0	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 19.830 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion	69	Resp	110478
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.4	77.2
39	30.4	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.271 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

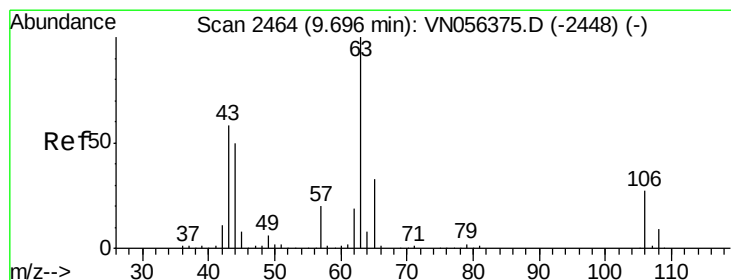
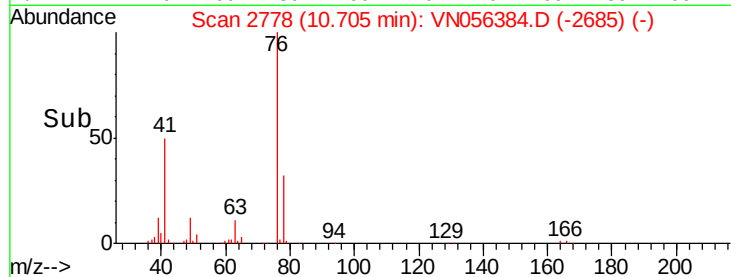
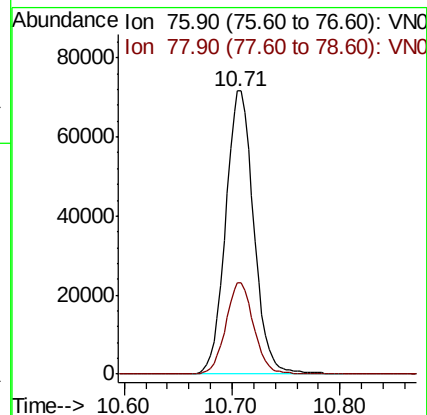
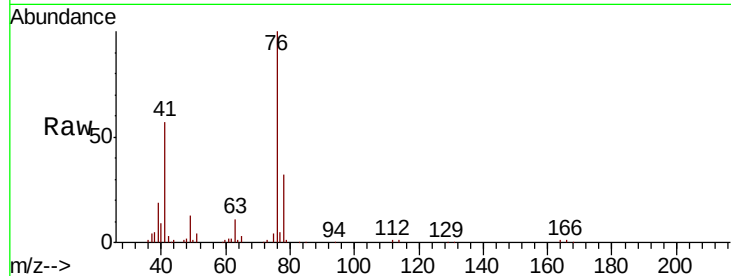
VN0619WBSD01

Tot Ion: 76 Resp: 129821

Ion Ratio Lower Upper

76 100

78 31.9 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 91.336 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN056384.D

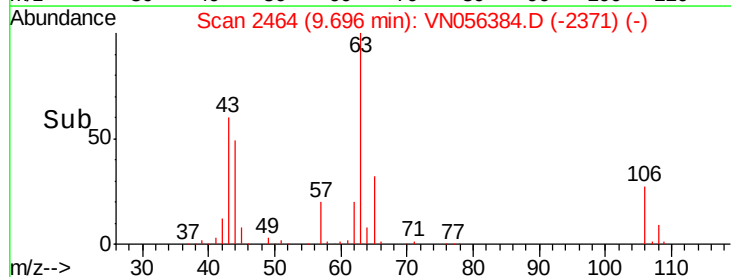
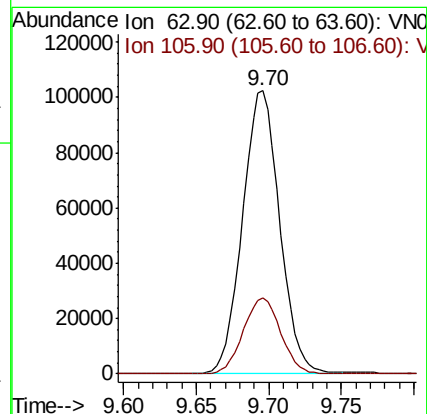
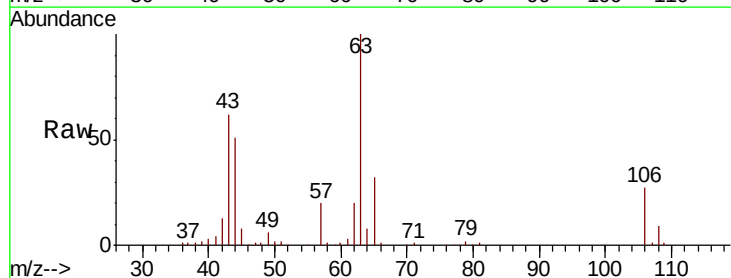
Acq: 19 Jun 2019 14:09

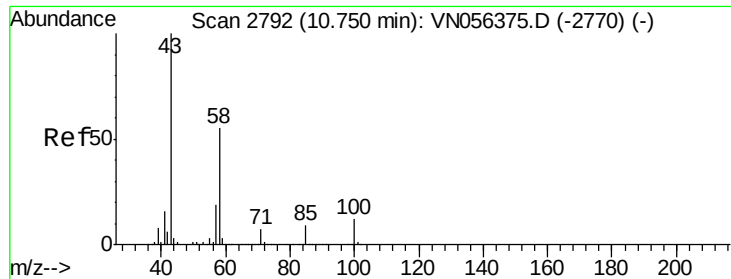
Tgt Ion: 63 Resp: 182806

Ion Ratio Lower Upper

63 100

106 27.0 21.6 32.4

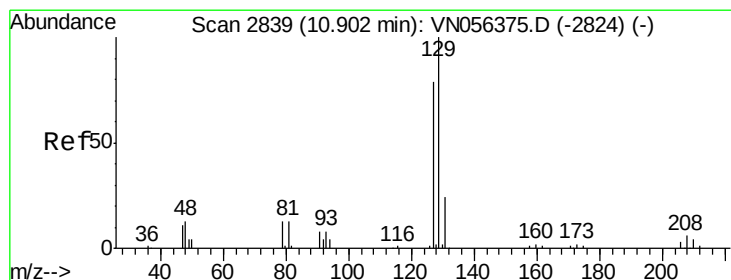
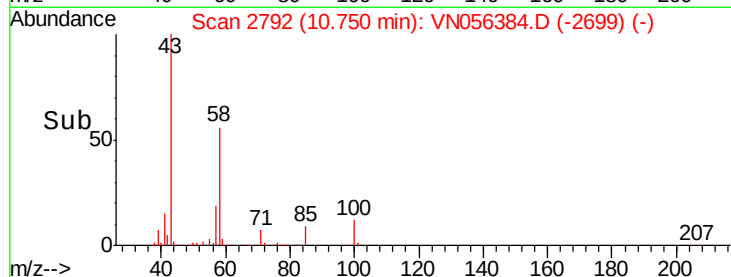
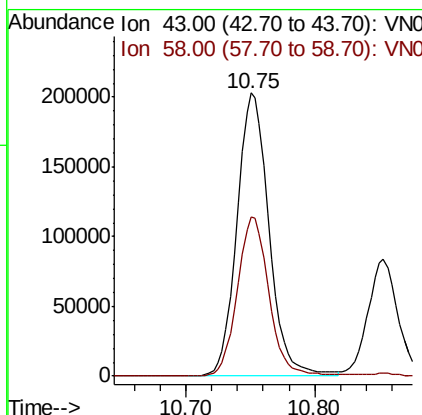
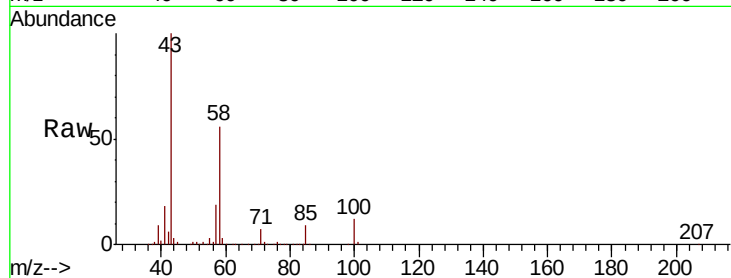




#59
2-Hexanone
Concen: 96.359 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

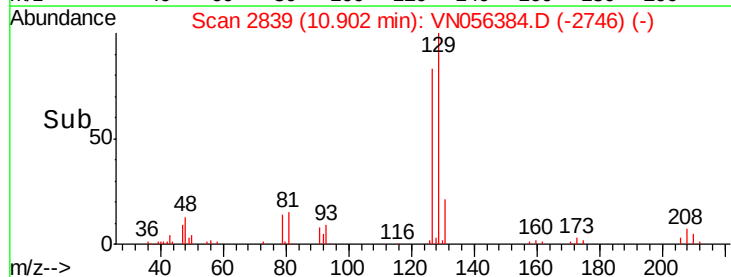
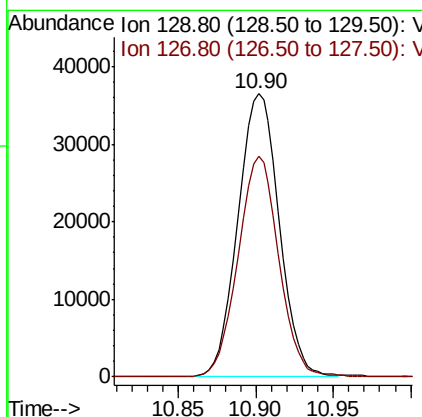
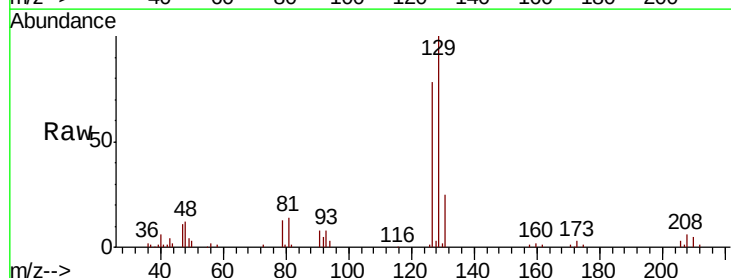
Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

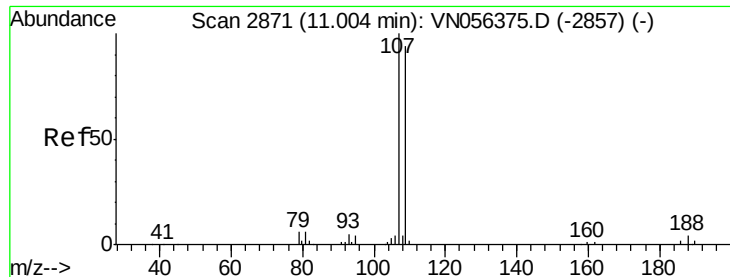
Tot Ion: 43 Resp: 349322
Ion Ratio Lower Upper
43 100
58 55.8 27.8 83.4



#60
Dibromochloromethane
Concen: 18.890 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 129 Resp: 67923
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.984 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

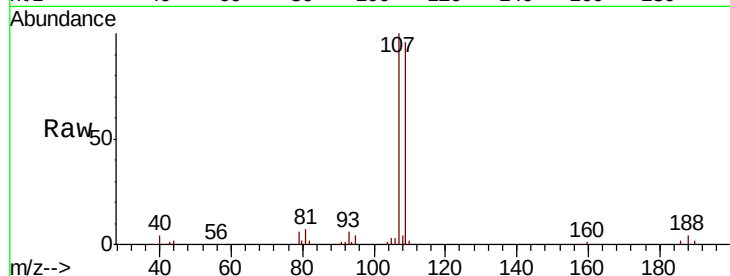
VN0619WBSD01

Tot Ion:107 Resp: 77808

Ion Ratio Lower Upper

107 100

109 94.6 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

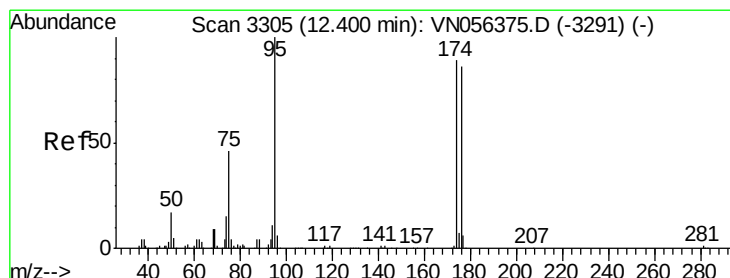
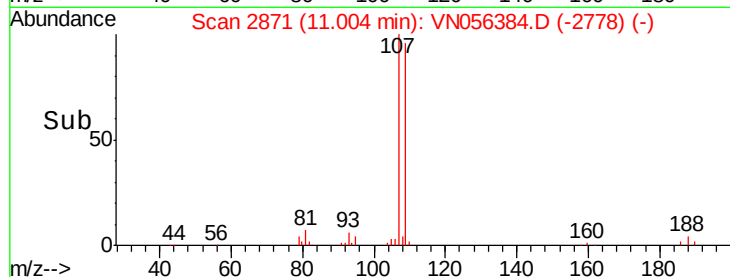
20000

10000

0

10.95 11.00 11.05 11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.244 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

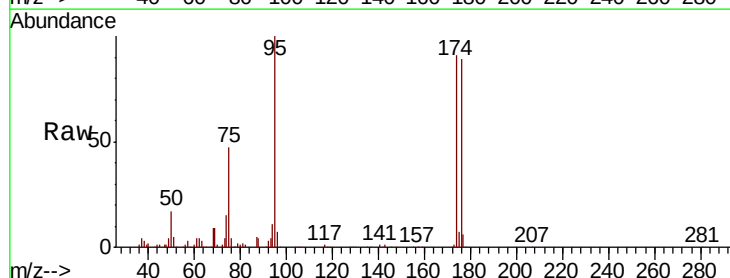
Tgt Ion: 95 Resp: 219039

Ion Ratio Lower Upper

95 100

174 90.5 0.0 179.4

176 88.4 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

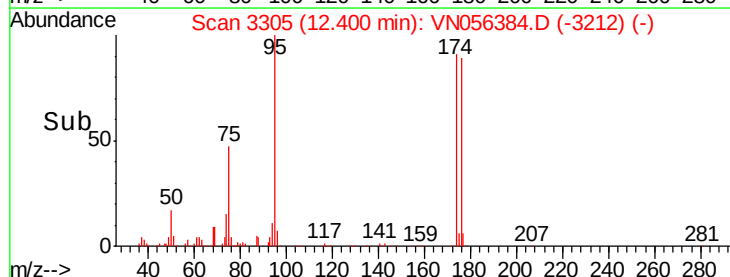
100000

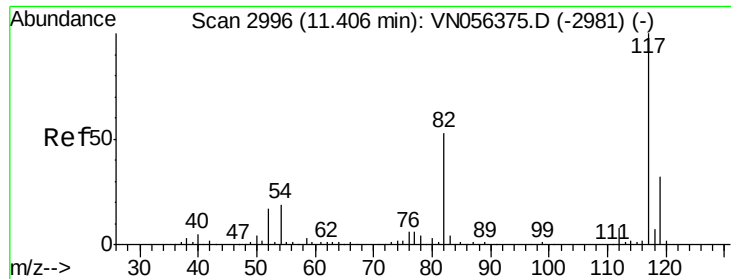
50000

0

12.35 12.40 12.45 12.50

Time-->

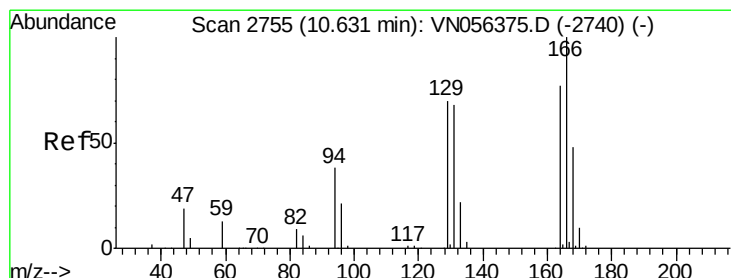
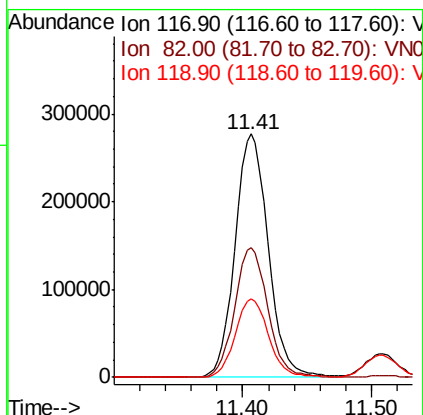
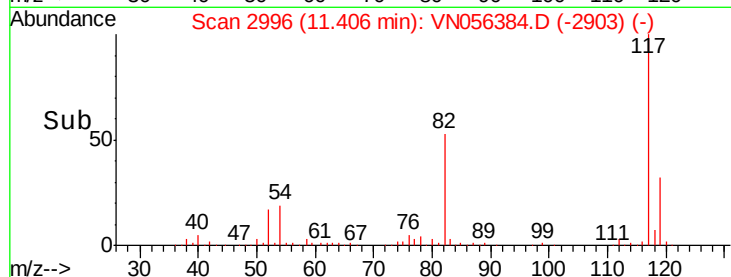
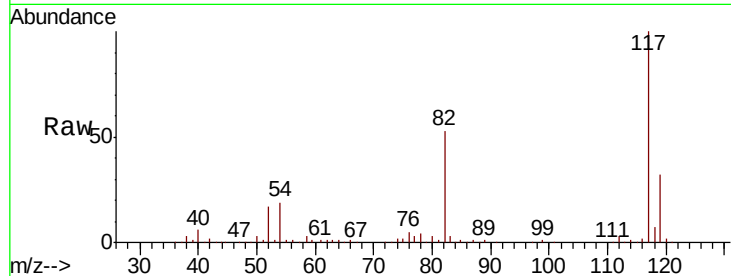




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

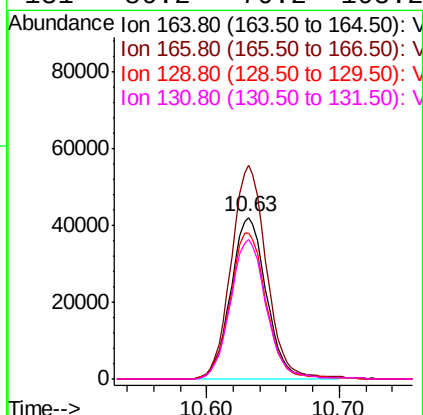
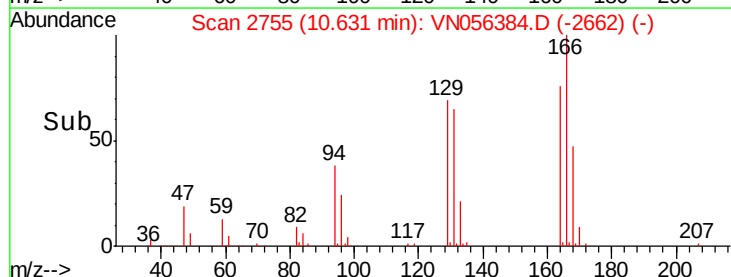
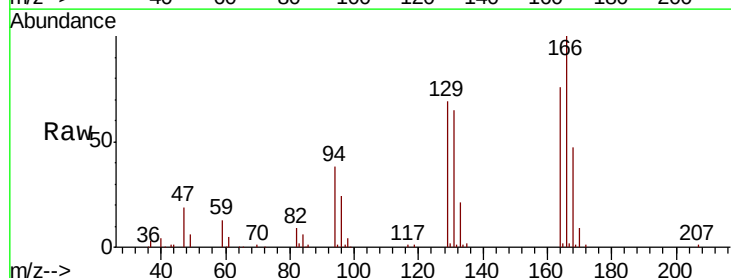
Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

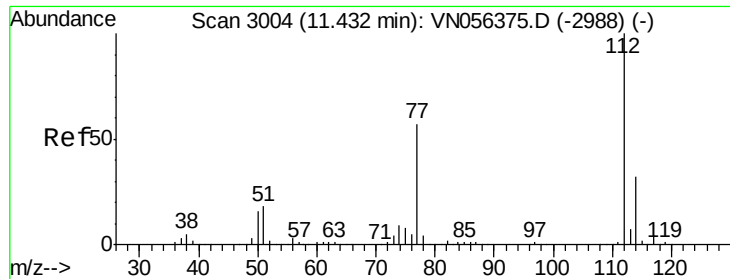
Tot Ion:117 Resp: 496357
Ion Ratio Lower Upper
117 100
82 53.4 42.0 63.0
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 19.993 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion:164 Resp: 78588
Ion Ratio Lower Upper
164 100
166 132.3 103.4 155.0
129 90.6 72.0 108.0
131 86.2 70.2 105.2

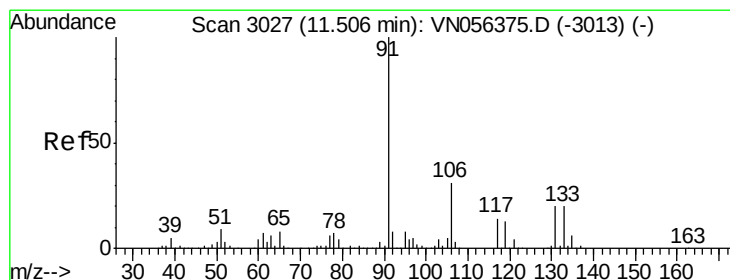
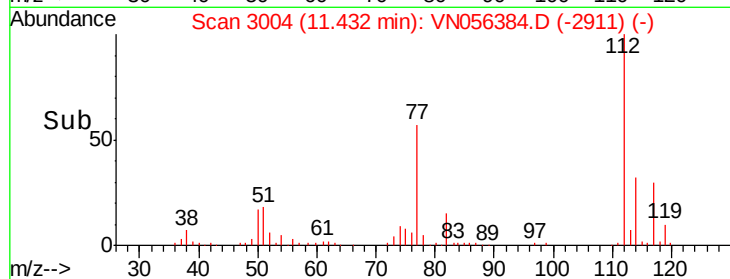
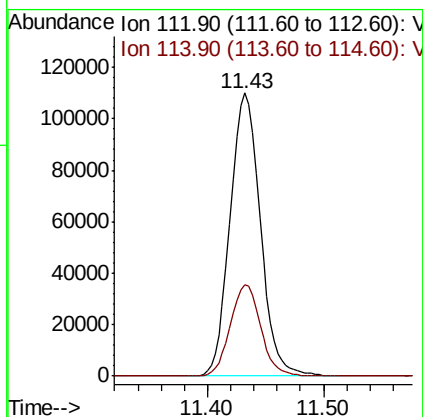
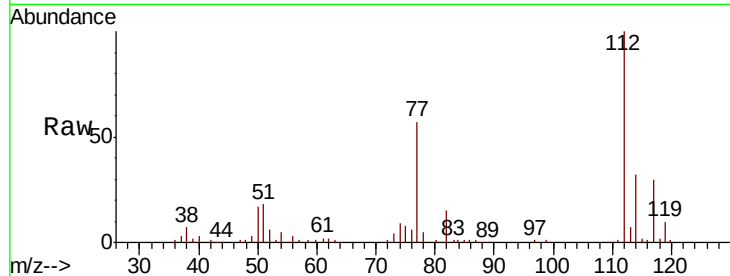




#65
Chlorobenzene
Concen: 19.938 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

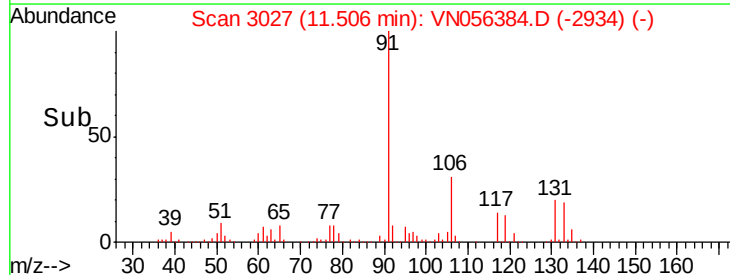
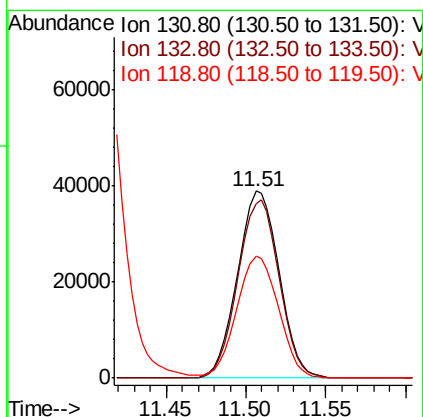
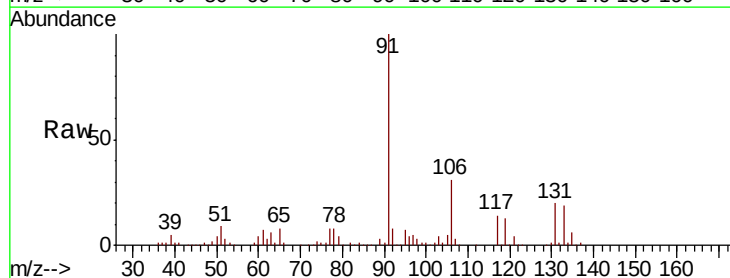
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

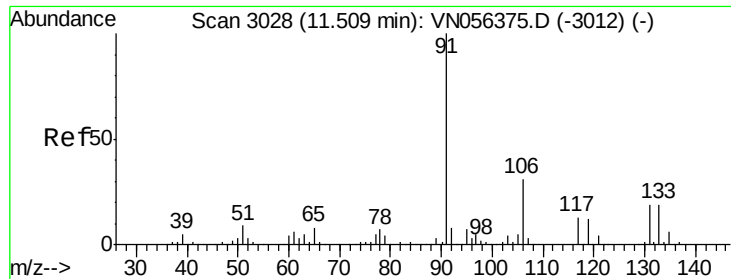
Tot Ion:112 Resp: 198853
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.472 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion:131 Resp: 69008
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 66.1 32.8 98.4

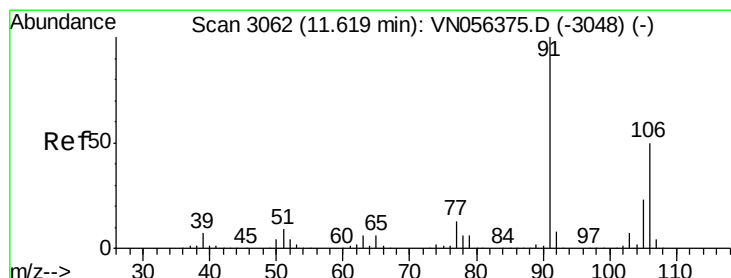
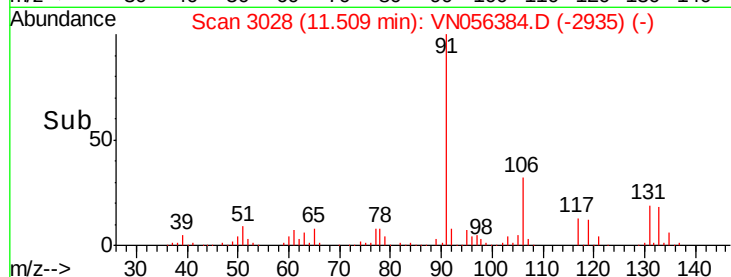
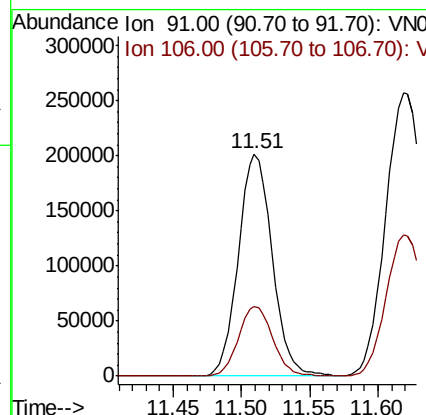
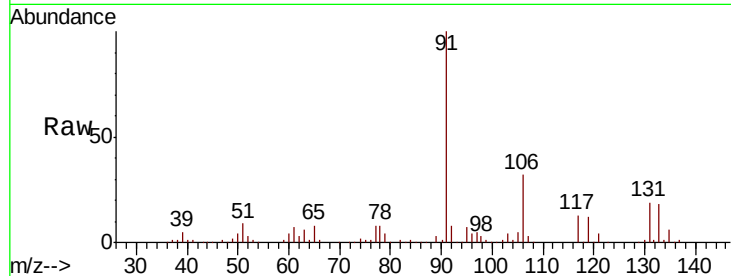




#67
Ethyl Benzene
Concen: 19.904 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

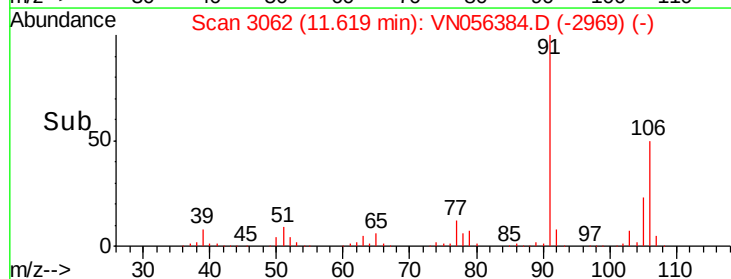
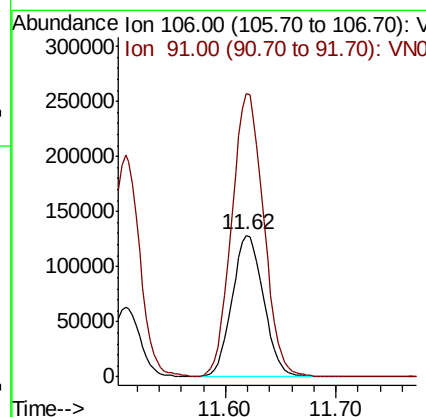
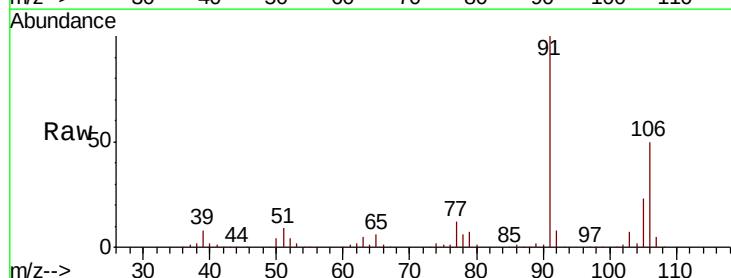
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

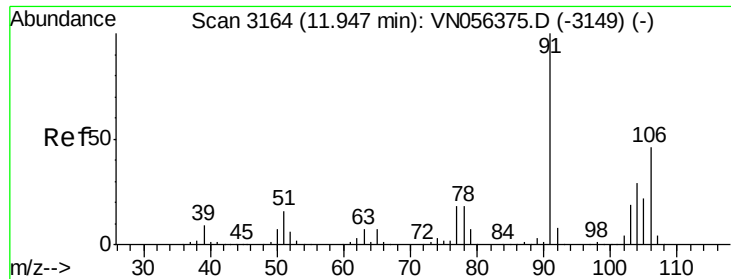
Tot Ion: 91 Resp: 348567
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 39.658 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion: 106 Resp: 254522
Ion Ratio Lower Upper
106 100
91 203.4 160.1 240.1

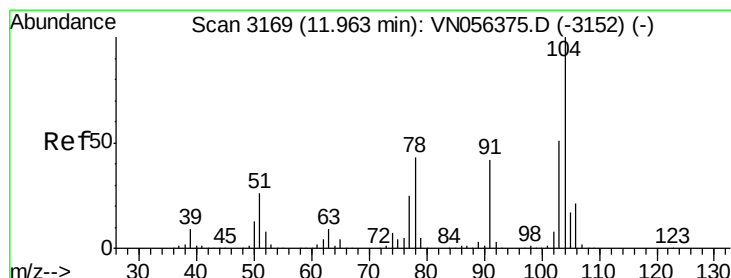
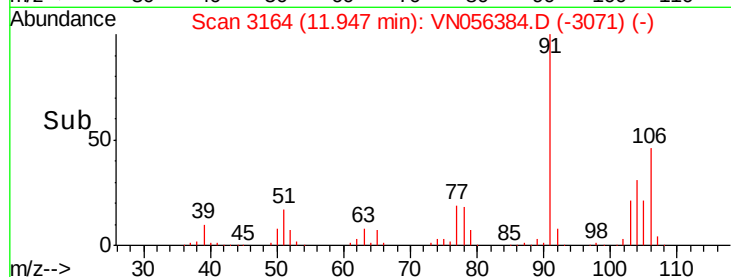
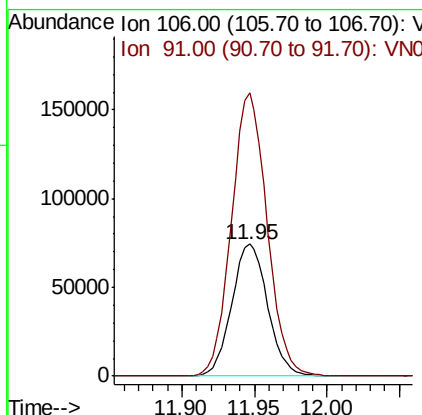
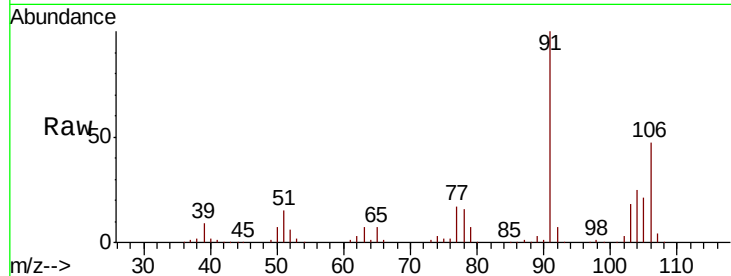




#69
o-Xylene
Concen: 20.090 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

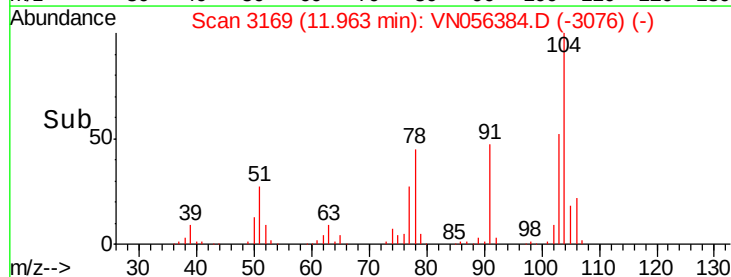
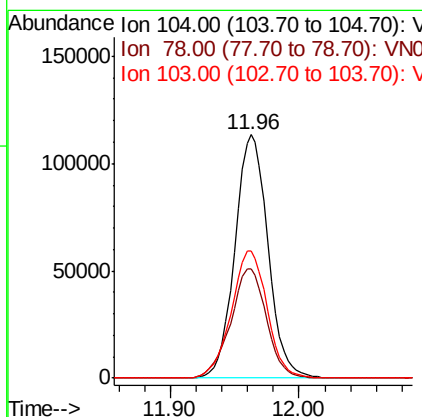
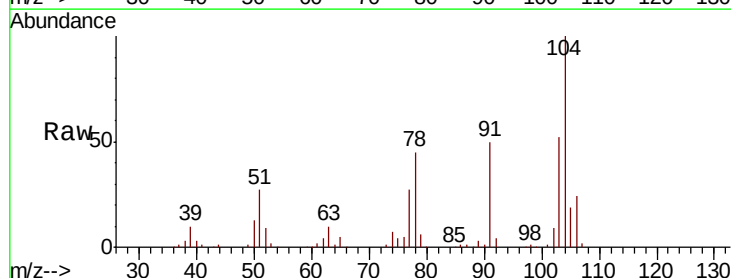
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

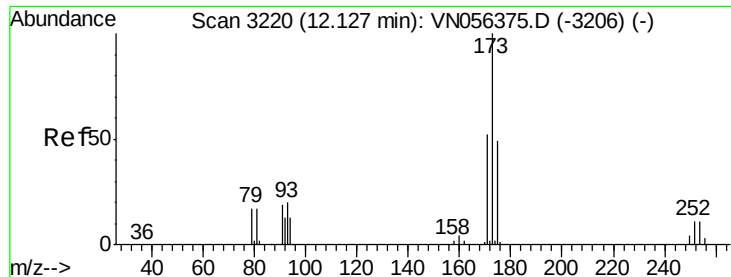
Tot Ion:106 Resp: 127560
Ion Ratio Lower Upper
106 100
91 213.3 107.1 321.3



#70
Styrene
Concen: 19.905 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion:104 Resp: 202016
Ion Ratio Lower Upper
104 100
78 48.6 38.6 57.8
103 56.6 43.9 65.9





#71

Bromoform

Concen: 18.653 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

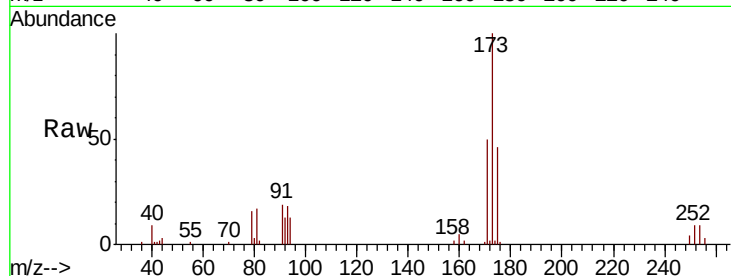
Tot Ion:173 Resp: 45008

Ion Ratio Lower Upper

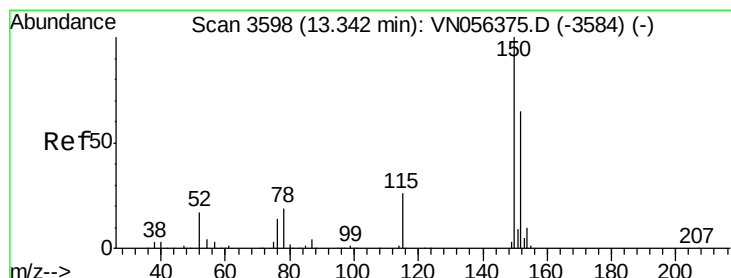
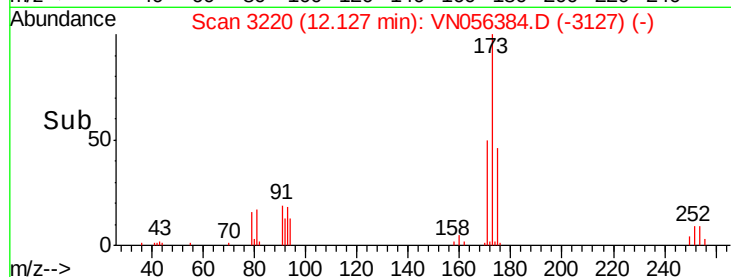
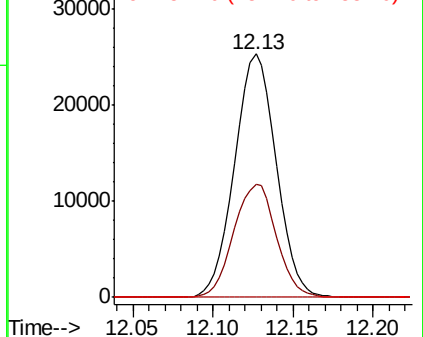
173 100

175 47.5 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: VN056384.D

Acq: 19 Jun 2019 14:09

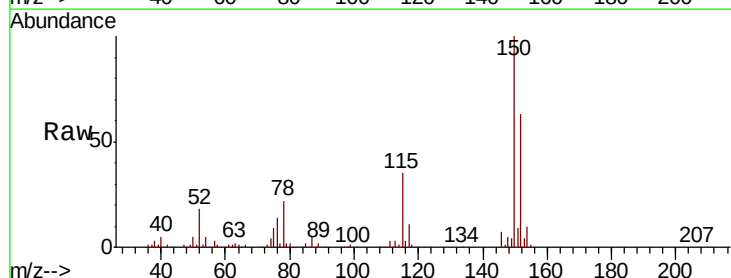
Tgt Ion:152 Resp: 184035

Ion Ratio Lower Upper

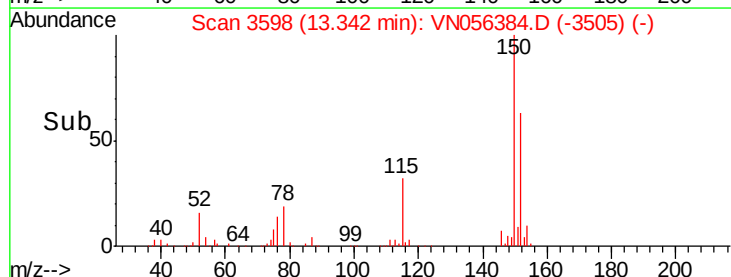
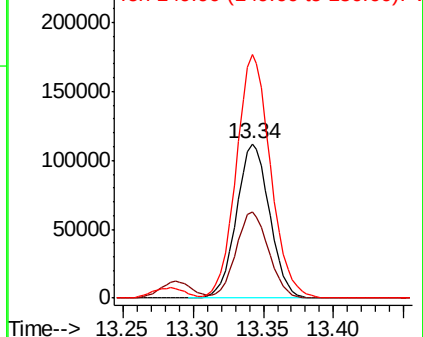
152 100

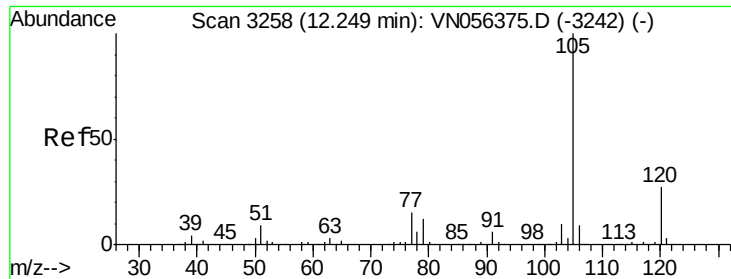
115 55.3 28.1 84.4

150 163.4 0.0 348.4



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





#73

Isopropylbenzene

Concen: 23.133 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

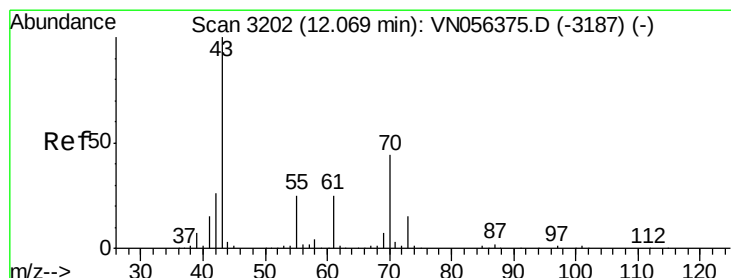
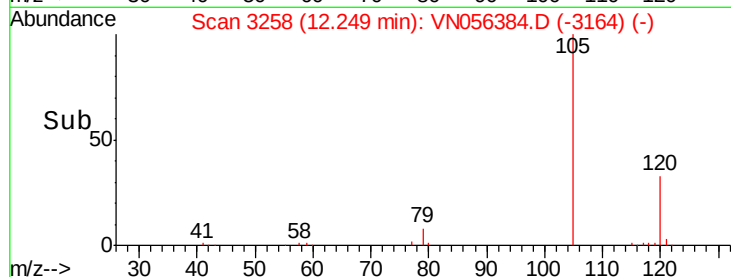
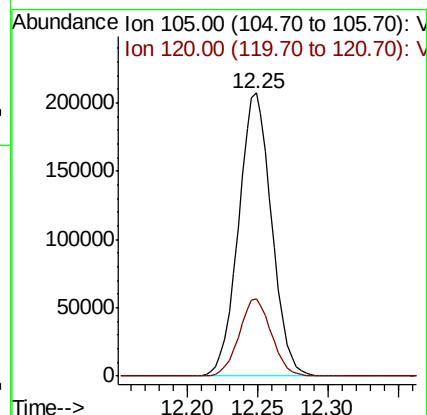
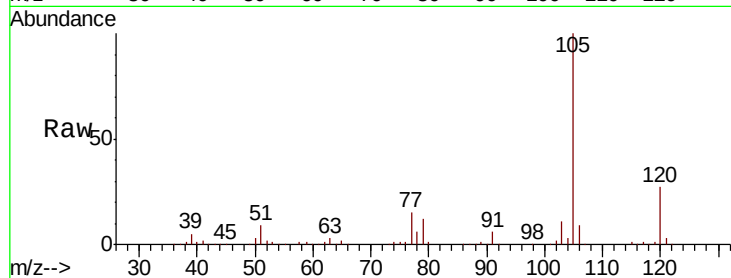
VN0619WBSD01

Tot Ion:105 Resp: 339728

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 20.164 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Tgt Ion: 43 Resp: 118104

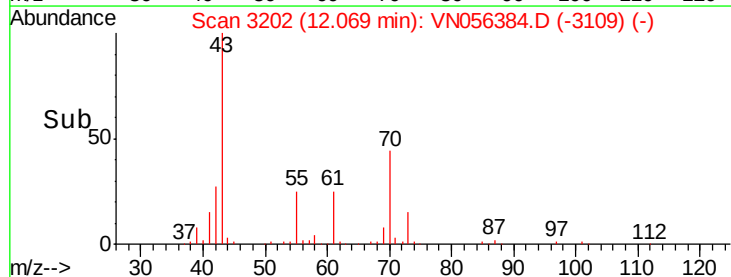
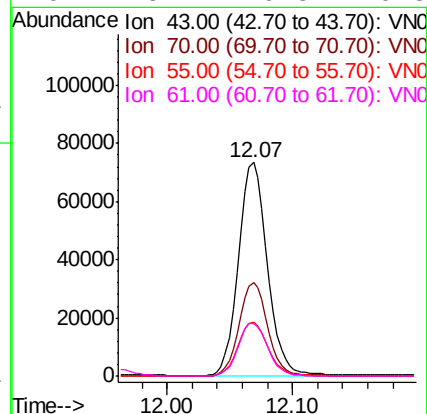
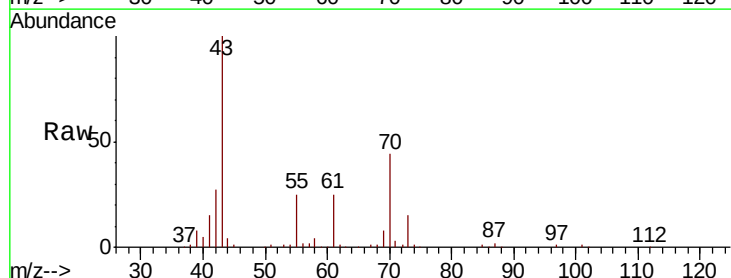
Ion Ratio Lower Upper

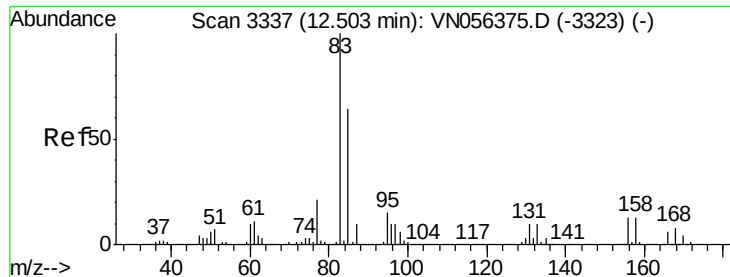
43 100

70 43.0 34.9 52.3

55 25.9 20.4 30.6

61 25.1 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.204 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

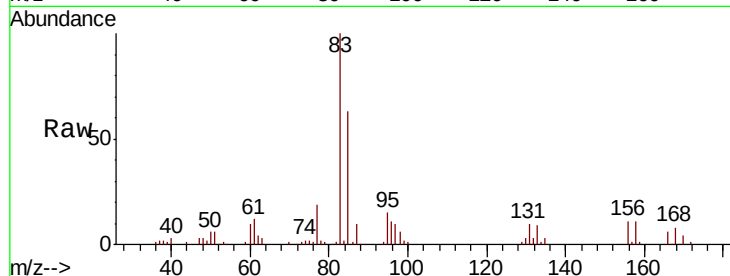
Tot Ion: 83 Resp: 106348

Ion Ratio Lower Upper

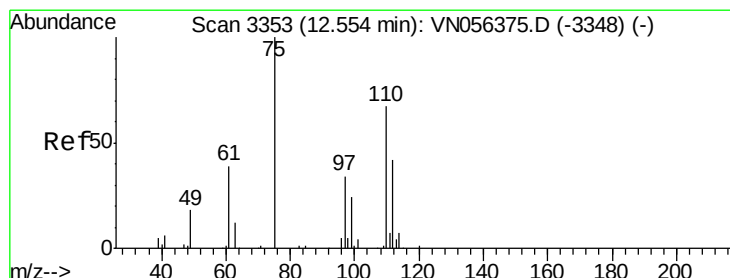
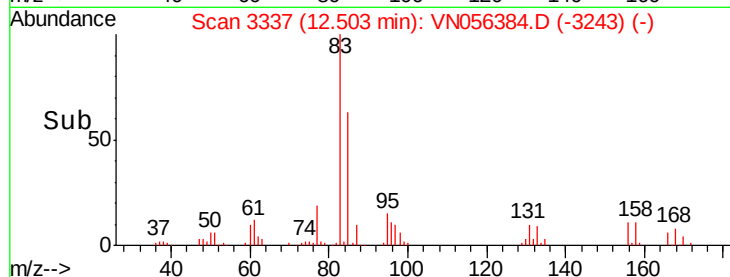
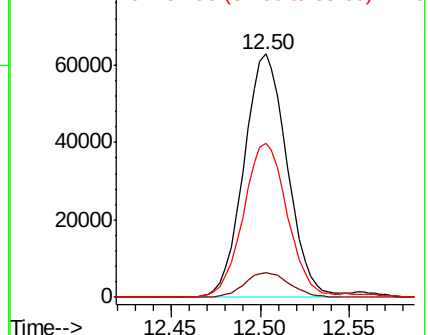
83 100

131 10.5 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): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.911 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056384.D

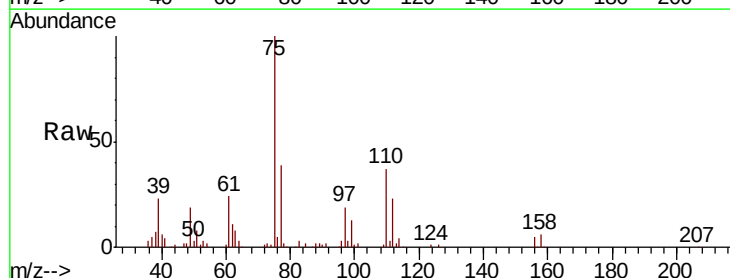
Acq: 19 Jun 2019 14:09

Tgt Ion: 75 Resp: 117955

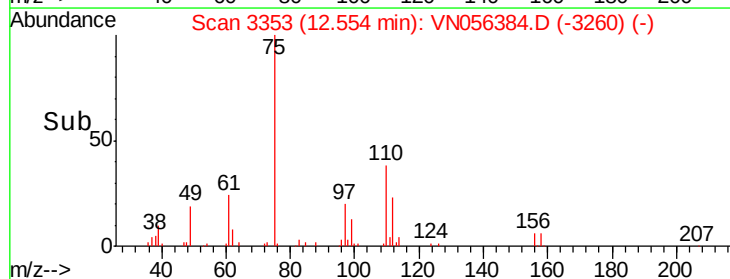
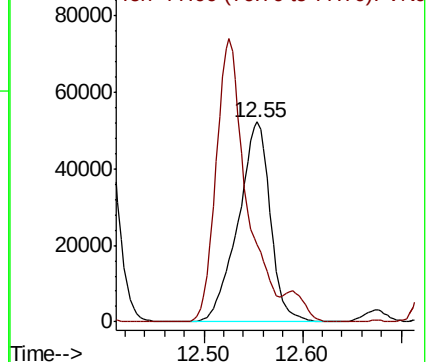
Ion Ratio Lower Upper

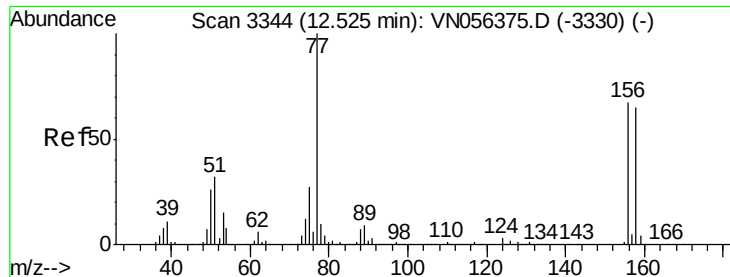
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.485 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

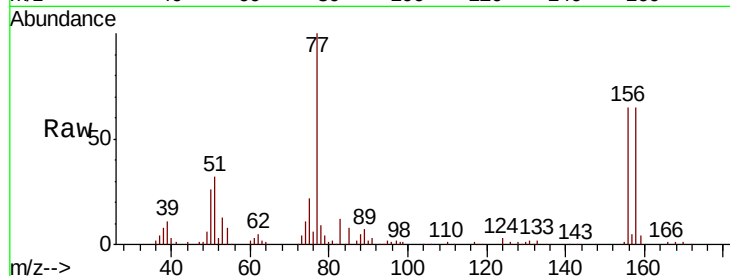
Tot Ion:156 Resp: 84296

Ion Ratio Lower Upper

156 100

77 188.0 92.5 277.3

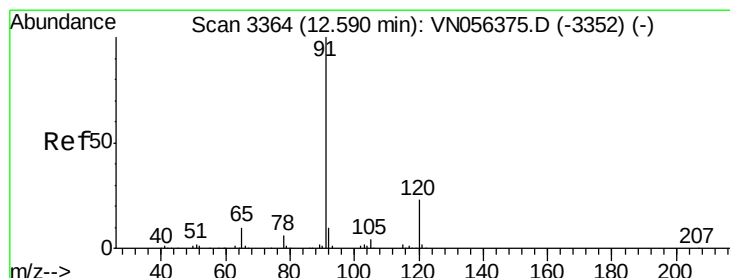
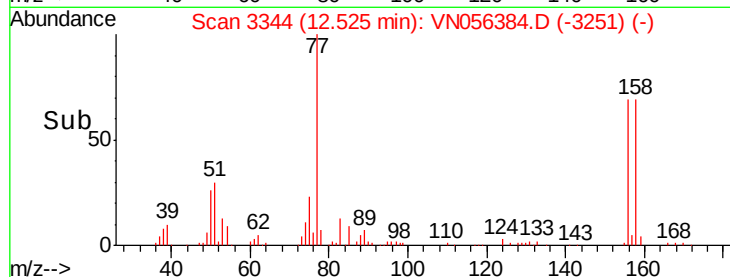
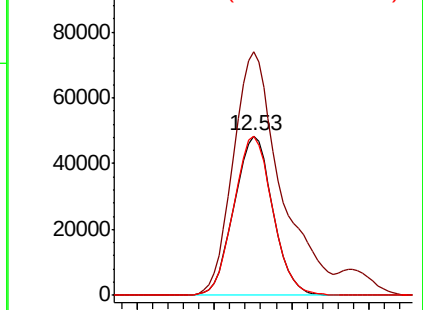
158 100.1 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.481 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056384.D

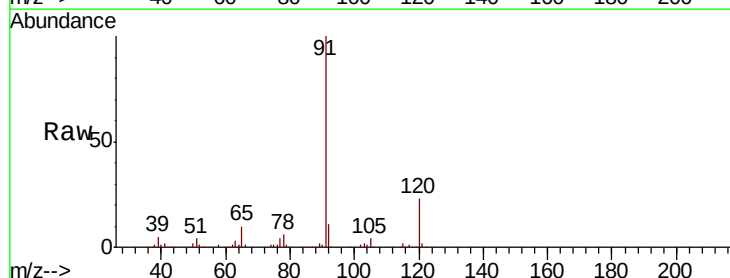
Acq: 19 Jun 2019 14:09

Tgt Ion: 91 Resp: 345173

Ion Ratio Lower Upper

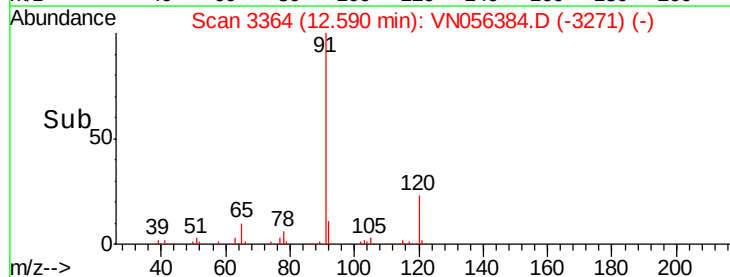
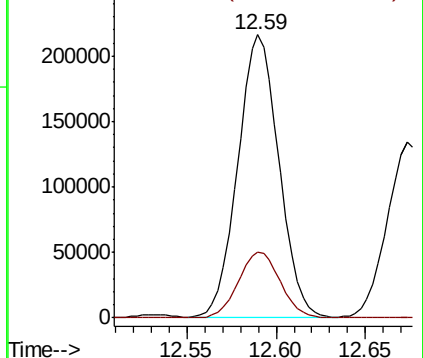
91 100

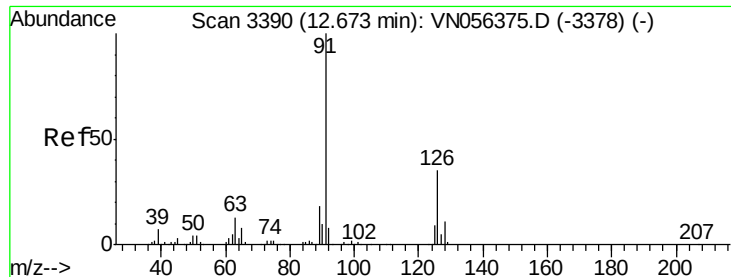
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.338 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

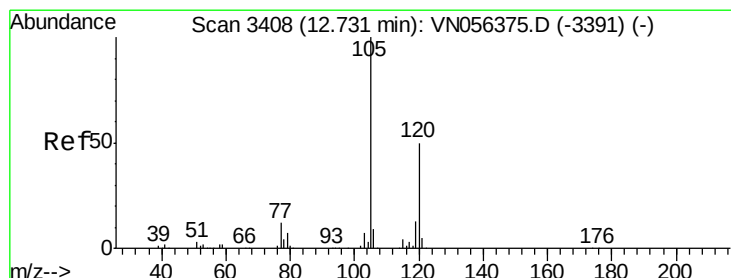
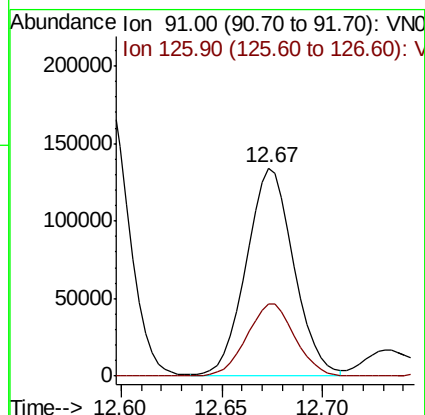
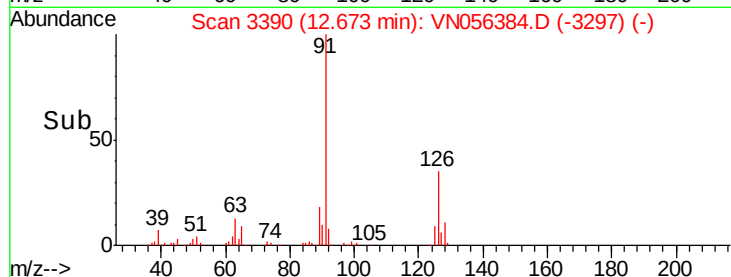
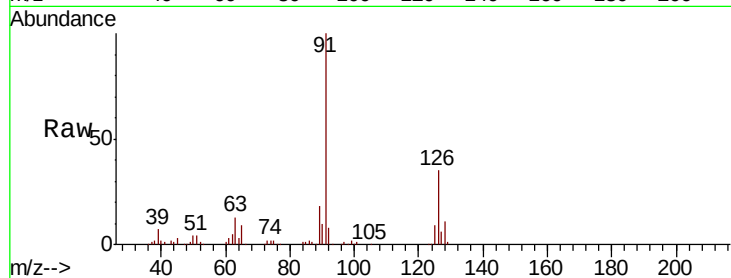
VN0619WBSD01

Tot Ion: 91 Resp: 219362

Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.017 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056384.D

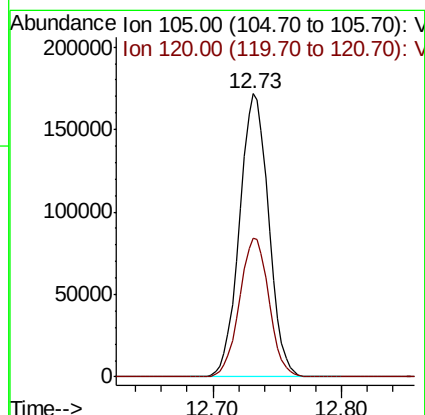
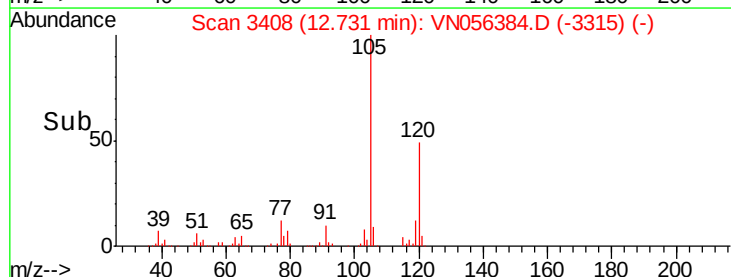
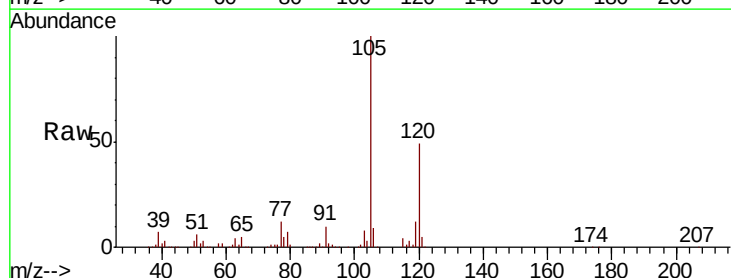
Acq: 19 Jun 2019 14:09

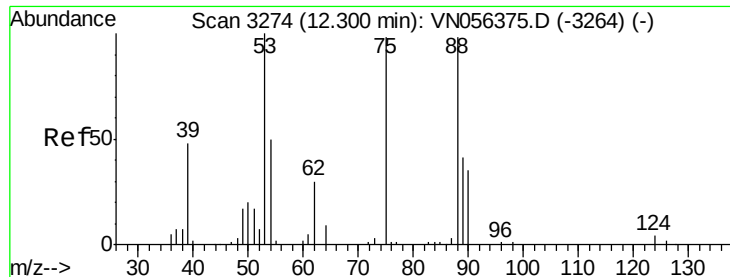
Tgt Ion: 105 Resp: 269654

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.325 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

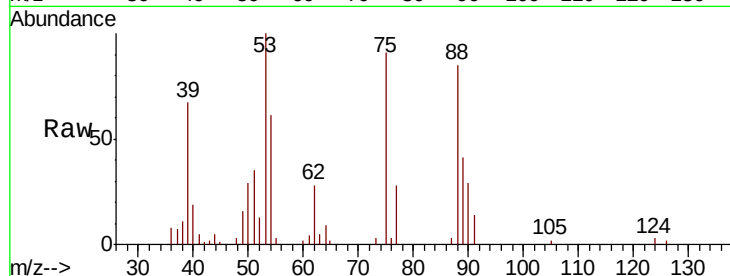
Tot Ion: 75 Resp: 20749

Ion Ratio Lower Upper

75 100

53 111.7 83.9 125.9

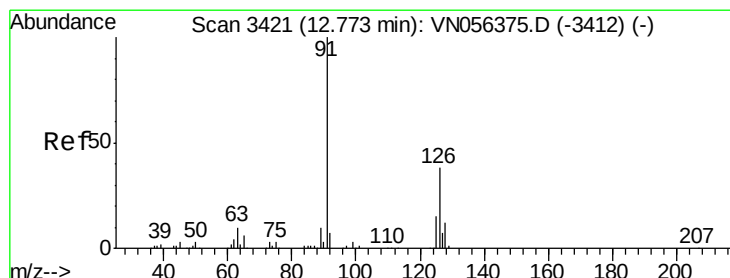
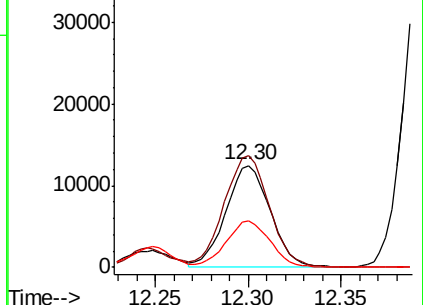
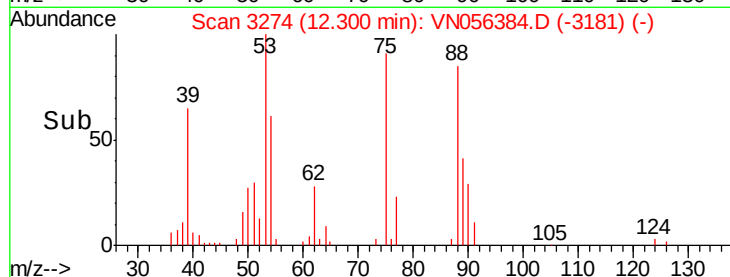
89 44.8 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.927 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056384.D

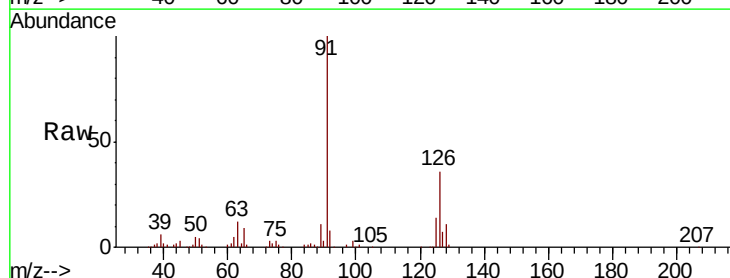
Acq: 19 Jun 2019 14:09

Tgt Ion: 91 Resp: 198290

Ion Ratio Lower Upper

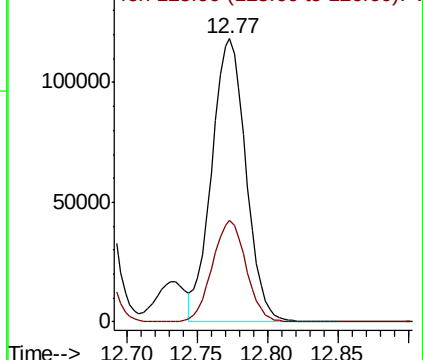
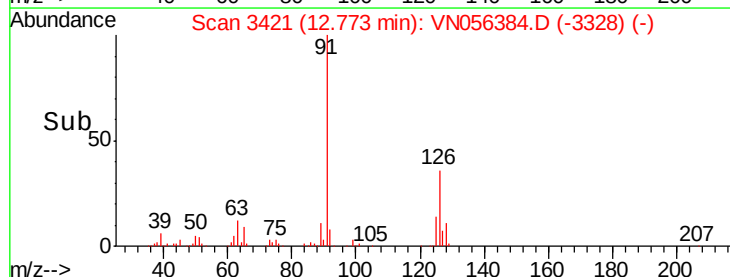
91 100

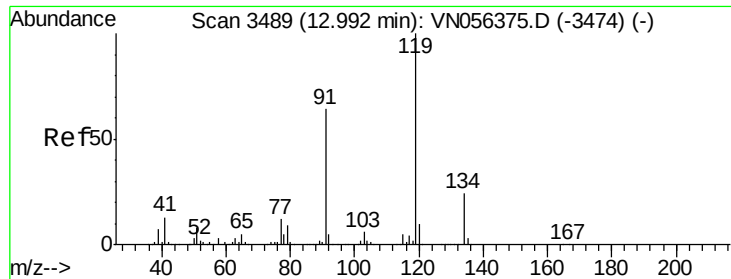
126 35.5 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

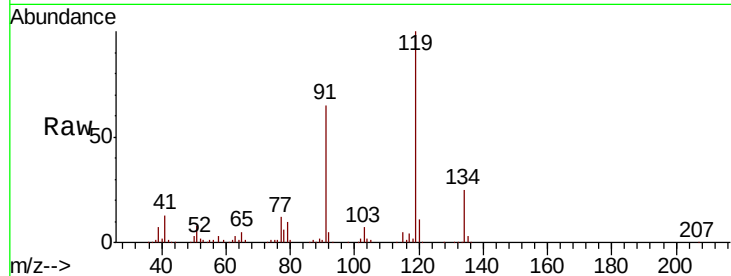




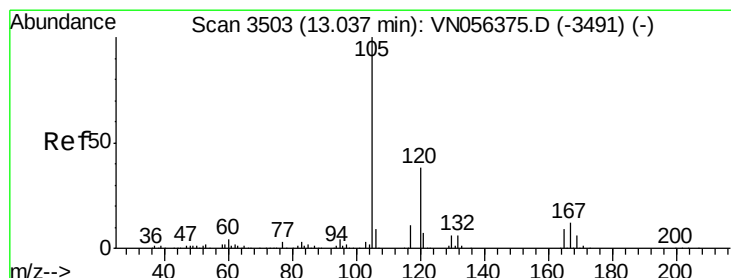
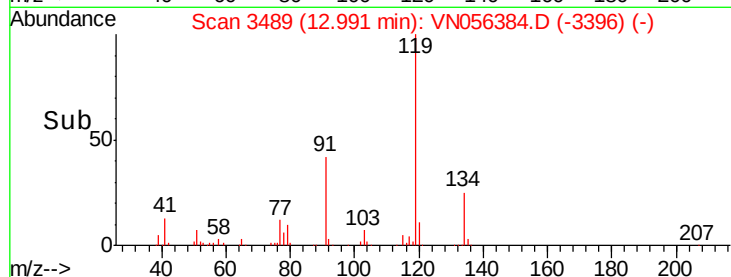
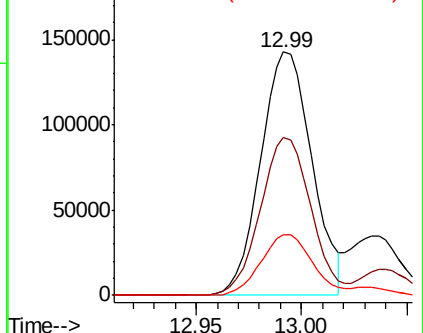
#83
 tert-Butylbenzene
 Concen: 22.395 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion:119 Resp: 241396
 Ion Ratio Lower Upper
 119 100
 91 63.6 31.6 94.7
 134 24.9 13.2 39.5

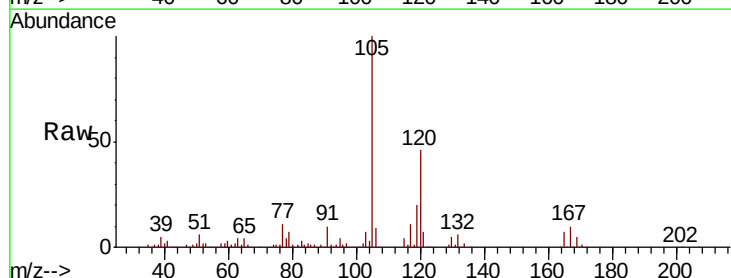


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

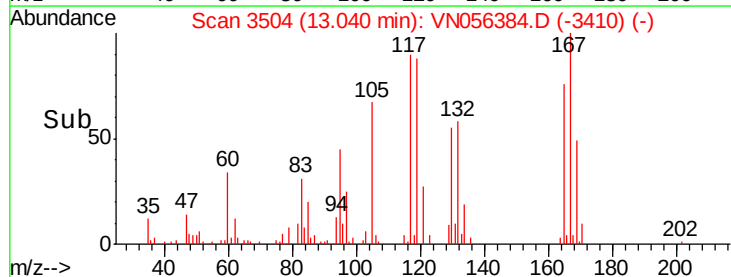
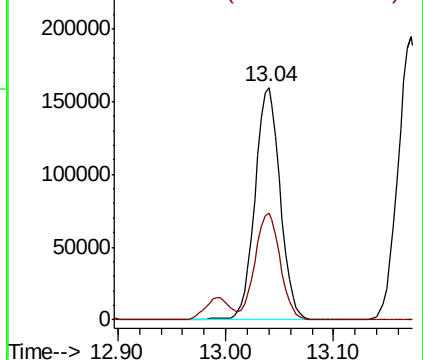


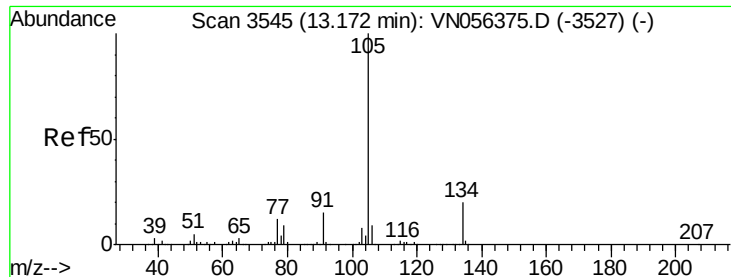
#84
 1,2,4-Trimethylbenzene
 Concen: 20.828 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion:105 Resp: 258045
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 20.718 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

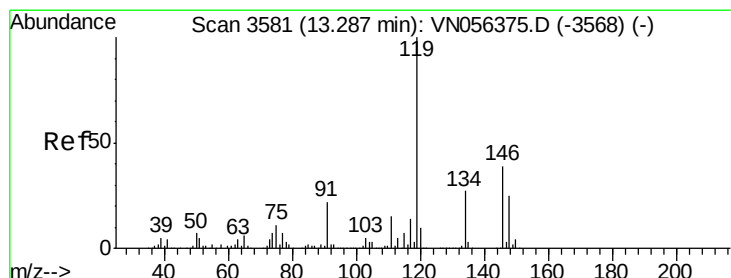
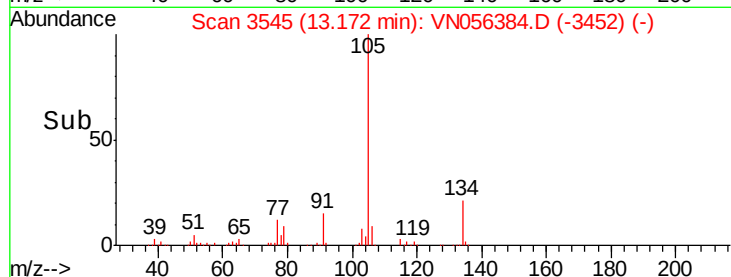
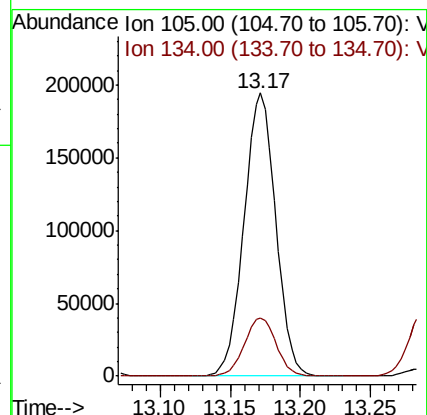
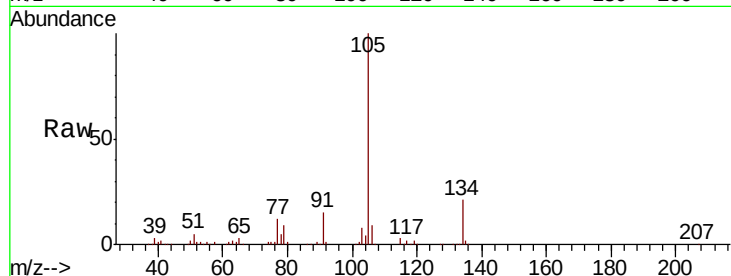
VN0619WBSD01

Tot Ion:105 Resp: 306893

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.4



#86

p-Isopropyltoluene

Concen: 20.590 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

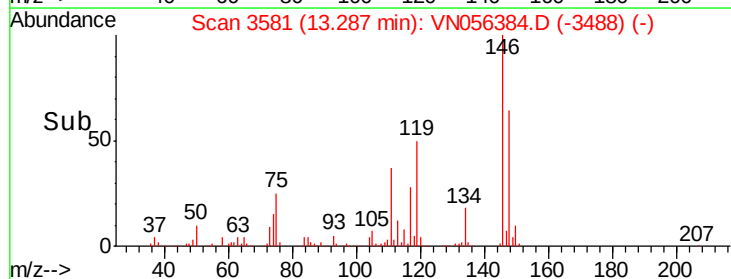
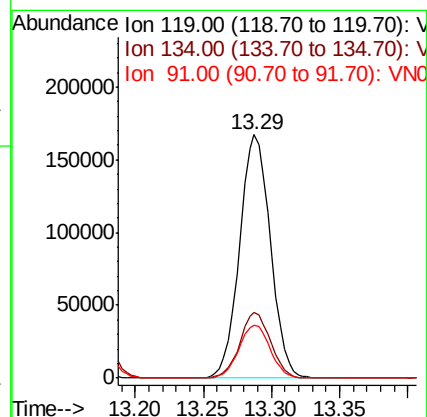
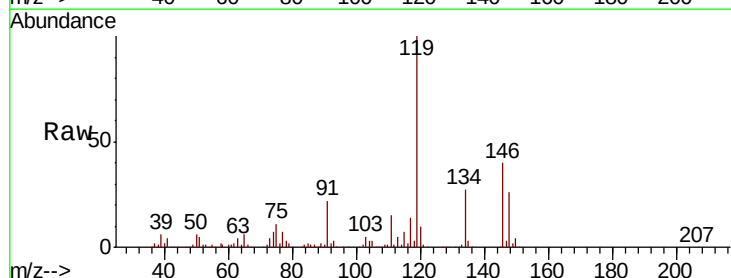
Tgt Ion:119 Resp: 261755

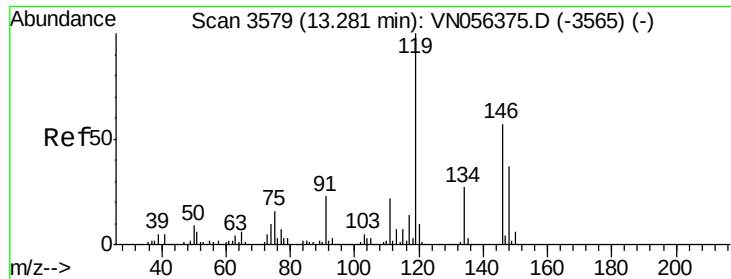
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.875 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

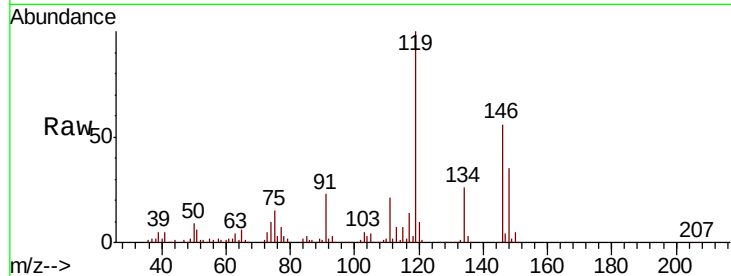
Tot Ion:146 Resp: 123945

Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.9

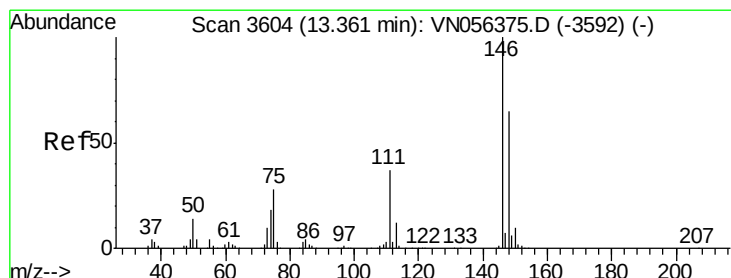
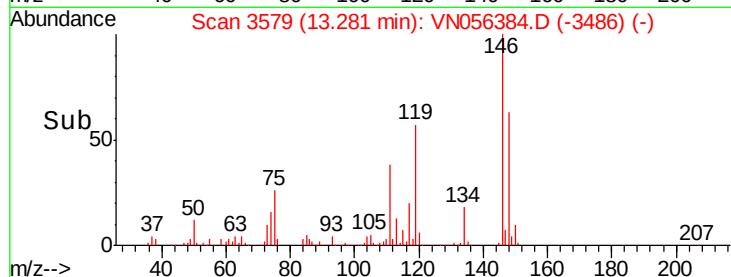
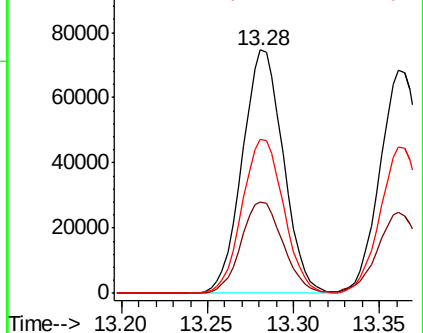
148 64.1 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.414 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

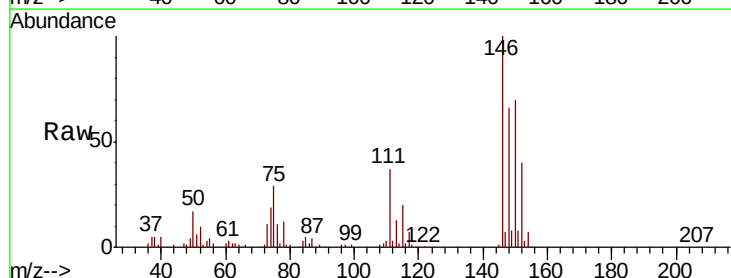
Tgt Ion:146 Resp: 117250

Ion Ratio Lower Upper

146 100

111 37.5 18.4 55.4

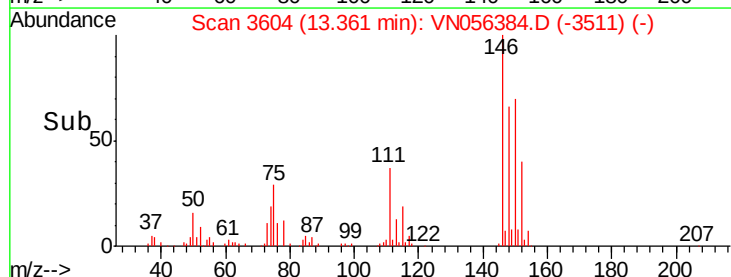
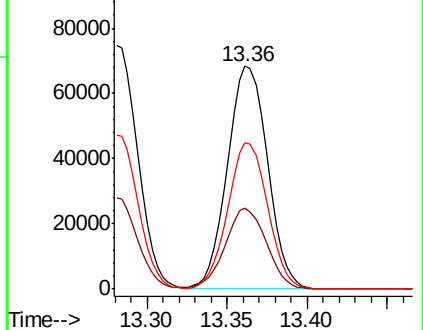
148 65.3 32.4 97.0

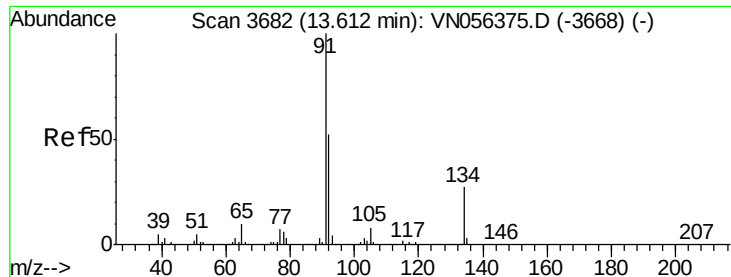


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.543 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

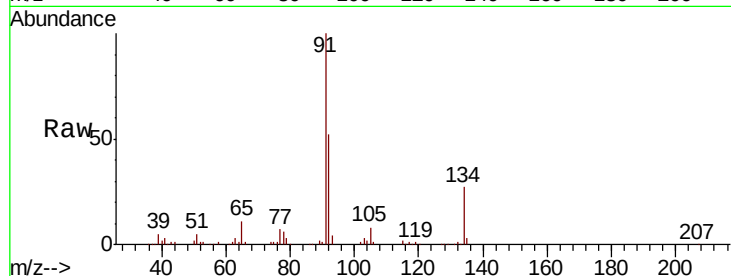
Tot Ion: 91 Resp: 178449

Ion Ratio Lower Upper

91 100

92 52.6 26.2 78.5

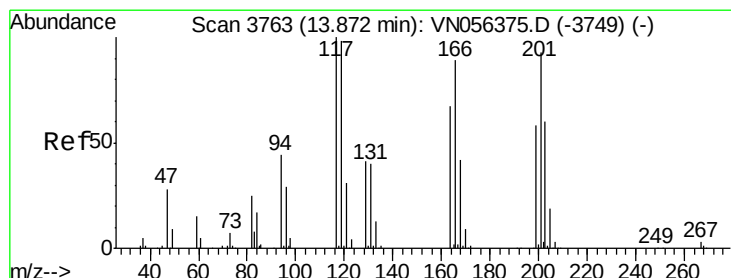
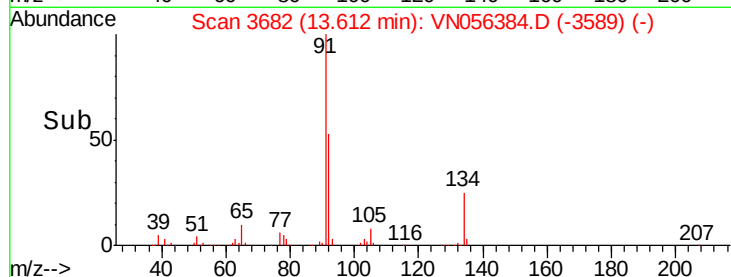
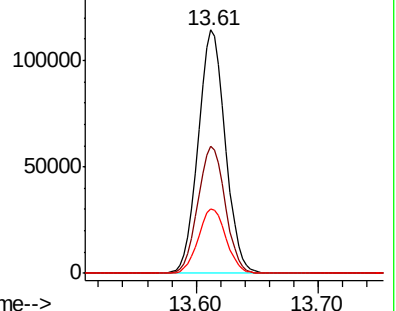
134 26.9 13.4 40.2



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

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

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



#90

Hexachloroethane

Concen: 19.608 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056384.D

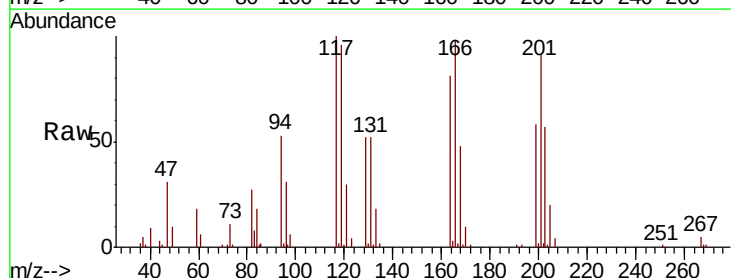
Acq: 19 Jun 2019 14:09

Tgt Ion: 117 Resp: 38862

Ion Ratio Lower Upper

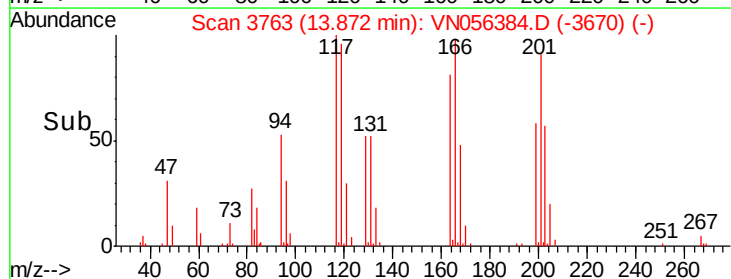
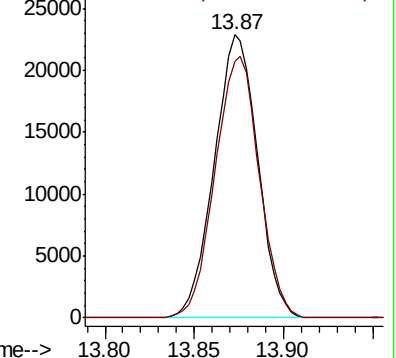
117 100

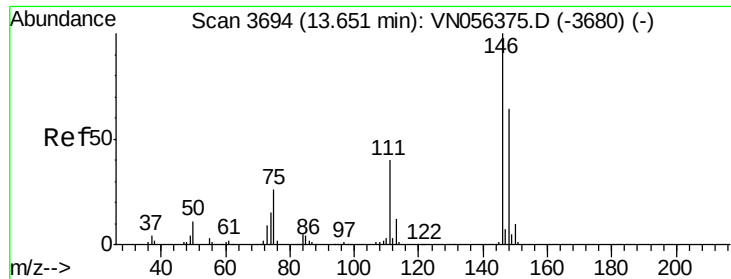
201 93.8 45.9 137.6



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

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





#91

1,2-Dichlorobenzene

Concen: 20.708 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

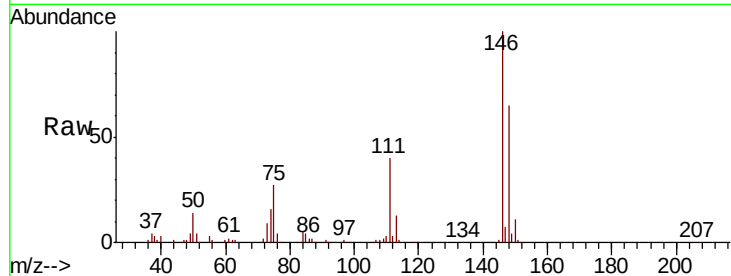
Tot Ion:146 Resp: 128123

Ion Ratio Lower Upper

146 100

111 38.4 19.3 57.9

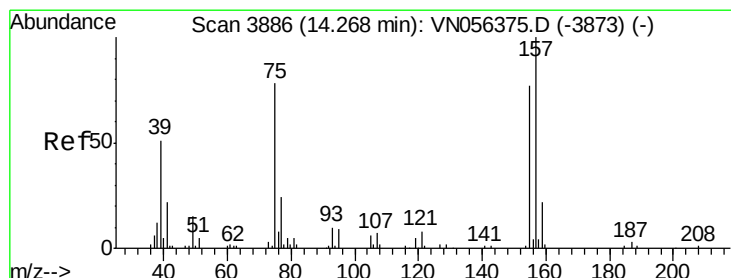
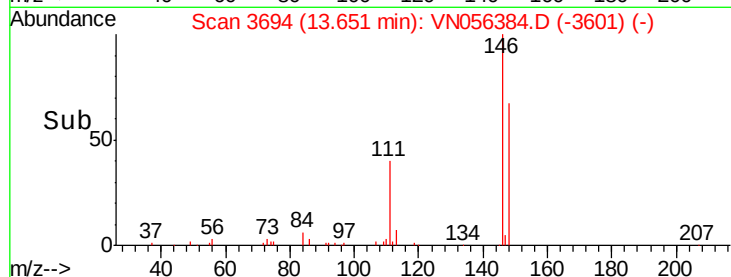
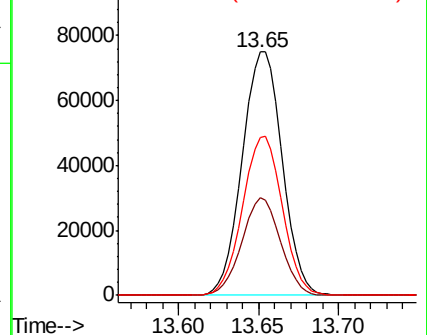
148 64.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.132 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN056384.D

Acq: 19 Jun 2019 14:09

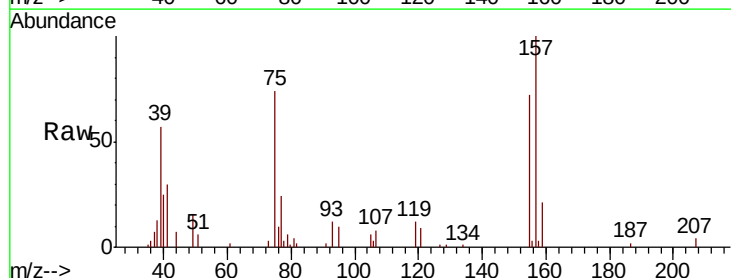
Tgt Ion: 75 Resp: 13709

Ion Ratio Lower Upper

75 100

155 93.7 48.9 146.8

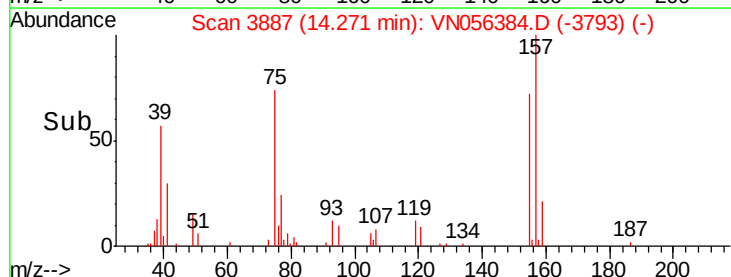
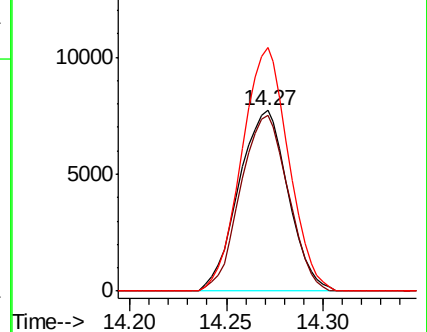
157 128.2 62.9 188.8

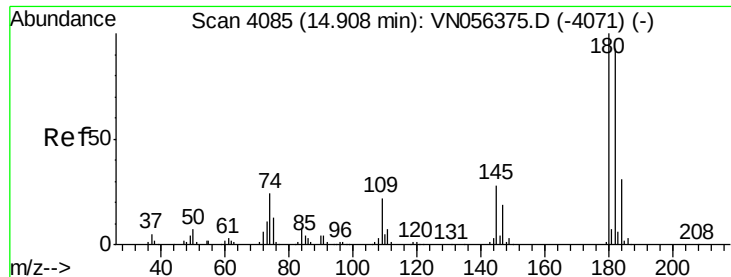


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

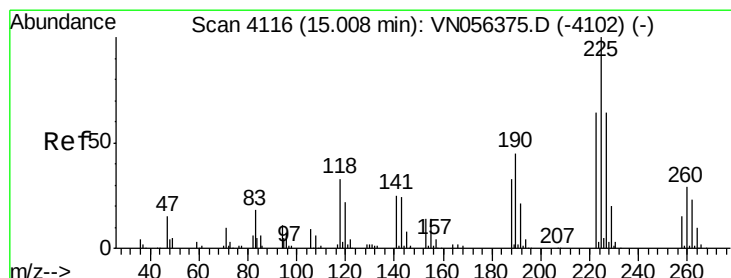
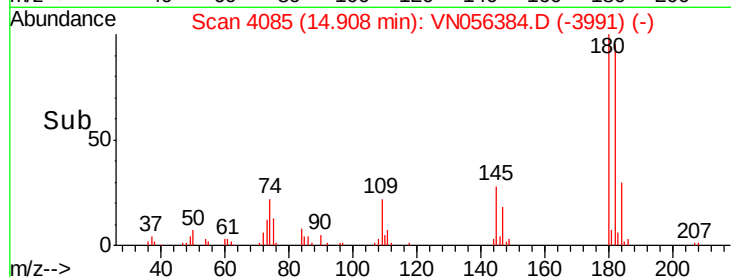
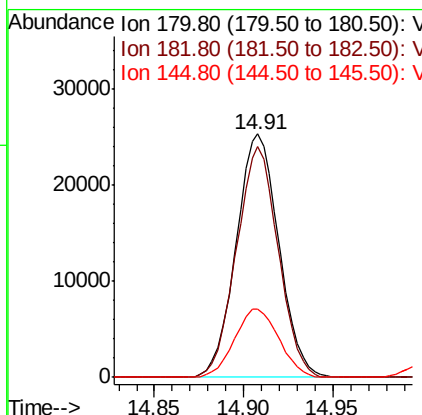
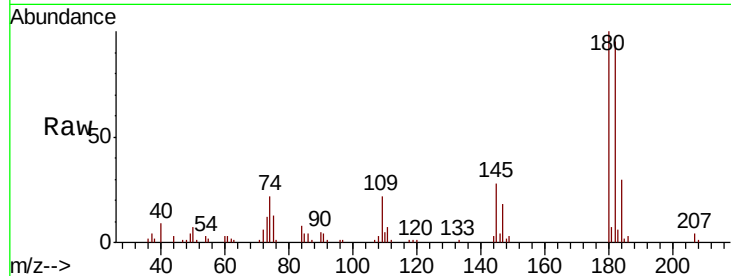




#93
 1,2,4-Trichlorobenzene
 Concen: 17.285 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

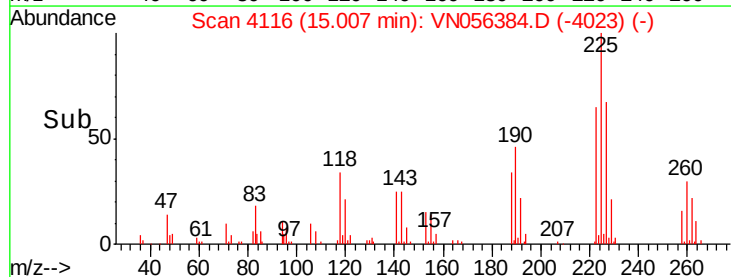
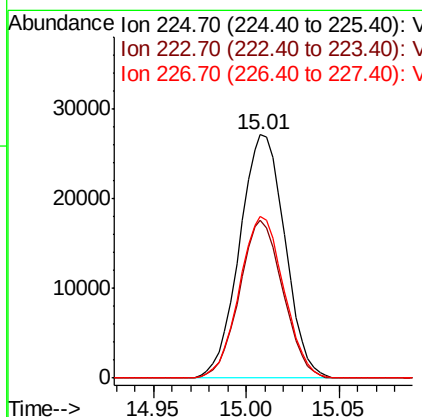
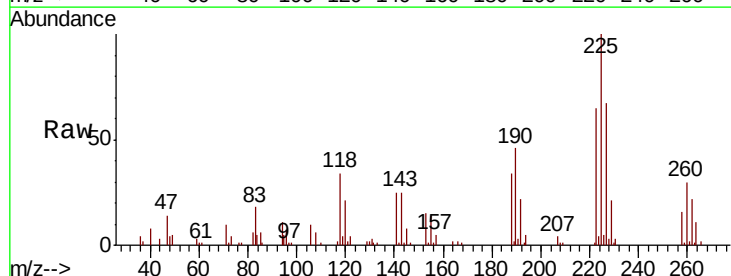
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

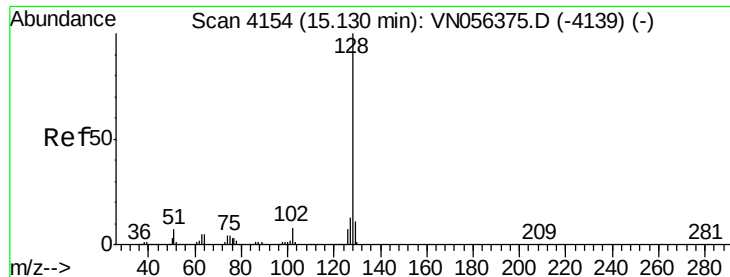
Tot Ion:180 Resp: 42360
 Ion Ratio Lower Upper
 180 100
 182 92.8 46.9 140.6
 145 29.0 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 20.885 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056384.D
 Acq: 19 Jun 2019 14:09

Tgt Ion:225 Resp: 46084
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.4 94.3
 227 65.2 32.1 96.3

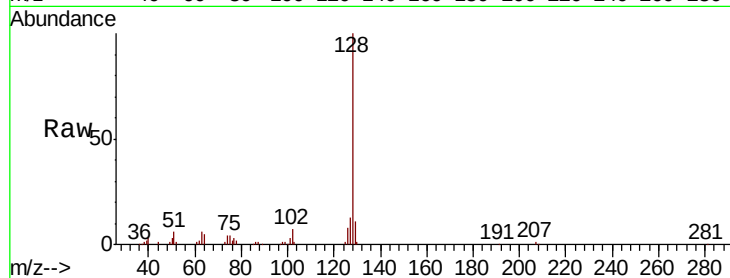




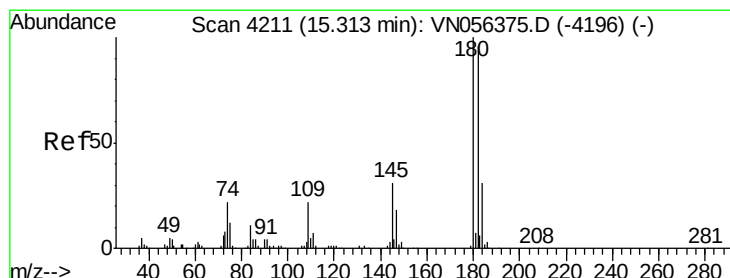
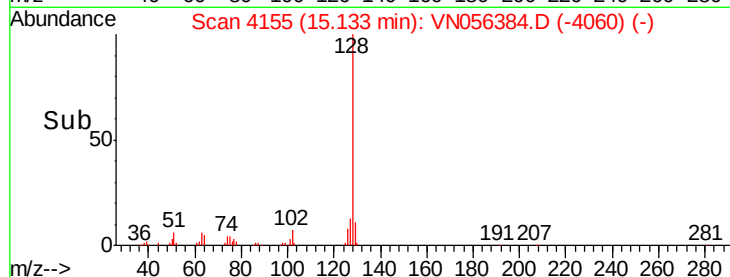
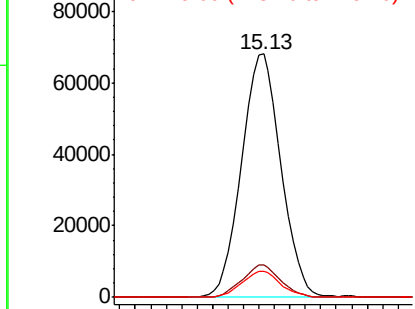
#95
Naphthalene
Concen: 18.078 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion:128 Resp: 120731
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.5 8.6 12.8

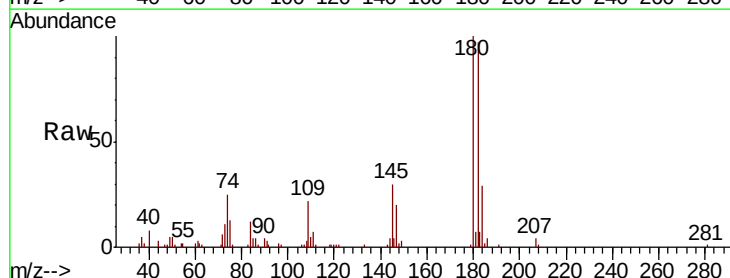


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.280 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056384.D
Acq: 19 Jun 2019 14:09

Tgt Ion:180 Resp: 50604
Ion Ratio Lower Upper
180 100
182 96.2 48.3 144.8
145 30.1 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

