

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058427.D
 Acq On : 30 Sep 2019 12:15
 Operator : JC/SP
 Sample : VN0930WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:30:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	425067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	725538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	646265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299712	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	310444	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
35) Dibromofluoromethane	7.57	113	223300	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.08	98	871263	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.41	95	310460	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	96268	20.655	ug/l	97
3) Chloromethane	2.04	50	108374	21.150	ug/l	100
4) Vinyl Chloride	2.17	62	105323	20.982	ug/l	98
5) Bromomethane	2.55	94	53775	20.169	ug/l	97
6) Chloroethane	2.69	64	62894	20.912	ug/l	100
7) Trichlorofluoromethane	3.00	101	128091	21.146	ug/l	95
8) Diethyl Ether	3.39	74	54113	20.705	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84872	20.631	ug/l	99
10) Methyl Iodide	3.93	142	88347	19.368	ug/l	98
11) Tert butyl alcohol	4.76	59	77715	112.620	ug/l	100
12) 1,1-Dichloroethene	3.72	96	80758	20.140	ug/l	100
13) Acrolein	3.59	56	27699	126.201	ug/l	98
14) Allyl chloride	4.30	41	148422	20.339	ug/l	100
15) Acrylonitrile	4.96	53	216420	107.610	ug/l	99
16) Acetone	3.80	43	217185	102.567	ug/l	99
17) Carbon Disulfide	4.03	76	219928	20.807	ug/l	97
18) Methyl Acetate	4.30	43	103431	19.421	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	289686	20.475	ug/l	98
20) Methylene Chloride	4.53	84	97485	19.949	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	92814	20.815	ug/l	96
22) Diisopropyl ether	5.93	45	317126	20.195	ug/l	98
23) Vinyl Acetate	5.87	43	1302156	109.975	ug/l	99
24) 1,1-Dichloroethane	5.83	63	183953	20.815	ug/l	99
25) 2-Butanone	6.82	43	308224	106.019	ug/l	99
26) 2,2-Dichloropropane	6.81	77	146230	20.126	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	106950	20.522	ug/l	98
28) Bromochloromethane	7.17	49	77126	21.832	ug/l	99
29) Tetrahydrofuran	7.19	42	194939	105.646	ug/l	100
30) Chloroform	7.36	83	186700	20.847	ug/l	98
31) Cyclohexane	7.64	56	177072	20.598	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	157362	21.398	ug/l	100
36) 1,1-Dichloropropene	7.78	75	139425	20.097	ug/l	99
37) Ethyl Acetate	6.91	43	127352	21.652	ug/l	99
38) Carbon Tetrachloride	7.76	117	129316	20.650	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	167455	20.669	ug/l	99
40) Benzene	8.03	78	409470	20.533	ug/l	99
41) Methacrylonitrile	7.16	41	57392	21.210	ug/l	96
42) 1,2-Dichloroethane	8.11	62	157528	20.304	ug/l	99
43) Isopropyl Acetate	8.15	43	211093	19.085	ug/l	98
44) Trichloroethene	8.82	130	100308	20.371	ug/l	96
45) 1,2-Dichloropropane	9.11	63	110859	20.728	ug/l	100
46) Dibromomethane	9.20	93	70155	20.713	ug/l	98
47) Bromodichloromethane	9.39	83	136794	21.317	ug/l	99
48) Methyl methacrylate	9.19	41	100240	19.903	ug/l	98
49) 1,4-Dioxane	9.19	88	35768	531.126	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	631639	111.175	ug/l	98
52) Toluene	10.15	92	249951	19.913	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	143139	20.493	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	162044	20.900	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	95561	20.909	ug/l	99
56) Ethyl methacrylate	10.43	69	145217	20.939	ug/l	100
57) 1,3-Dichloropropane	10.71	76	171391	21.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	282252	102.067	ug/l	99
59) 2-Hexanone	10.75	43	459426	111.054	ug/l	99
60) Dibromochloromethane	10.90	129	93013	19.313	ug/l	98
61) 1,2-Dibromoethane	11.00	107	97094	20.791	ug/l	98
64) Tetrachloroethene	10.63	164	81009	19.730	ug/l	97
65) Chlorobenzene	11.43	112	262345	20.422	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91255	21.084	ug/l	99
67) Ethyl Benzene	11.51	91	487405	20.947	ug/l	99
68) m/p-Xylenes	11.62	106	350629	40.051	ug/l	94
69) o-Xylene	11.95	106	171367	20.334	ug/l	97
70) Styrene	11.97	104	286762	20.945	ug/l	99
71) Bromoform	12.13	173	57334	19.597	ug/l #	99
73) Isopropylbenzene	12.25	105	474448	21.420	ug/l	100
74) N-amyl acetate	12.07	43	180603	20.496	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	137374	20.974	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	170730	31.188	ug/l #	100
77) Bromobenzene	12.53	156	108783	20.946	ug/l	99
78) n-propylbenzene	12.60	91	544606	21.825	ug/l	100
79) 2-Chlorotoluene	12.68	91	320480	20.807	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	396720	21.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34963	19.397	ug/l	90
82) 4-Chlorotoluene	12.78	91	325864	20.734	ug/l	99
83) tert-Butylbenzene	13.00	119	335170	21.423	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	391240	21.061	ug/l	99
85) sec-Butylbenzene	13.18	105	452558	21.977	ug/l	100
86) p-Isopropyltoluene	13.29	119	398031	21.959	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	190531	20.232	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	190555	20.338	ug/l	98
89) n-Butylbenzene	13.62	91	348919	21.250	ug/l	100
90) Hexachloroethane	13.88	117	60802	22.325	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	187634	20.737	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24671	21.360	ug/l	94

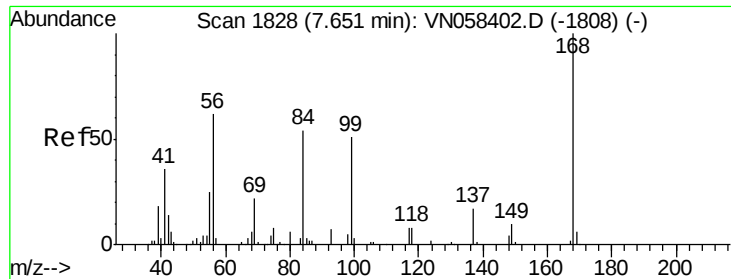
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Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	105369	21.073	ug/l	98
94) Hexachlorobutadiene	15.02	225	53459	20.801	ug/l	98
95) Naphthalene	15.13	128	283828	19.365	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	100815	20.096	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

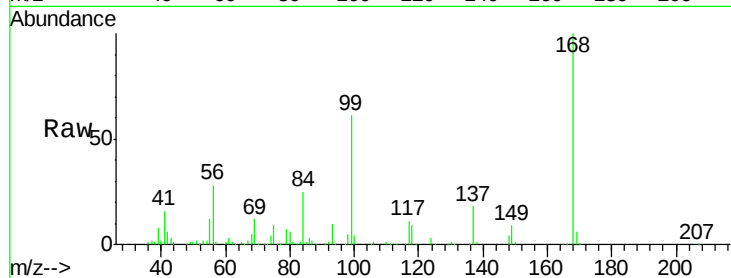
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 425067

Ion Ratio Lower Upper

168 100

99 61.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

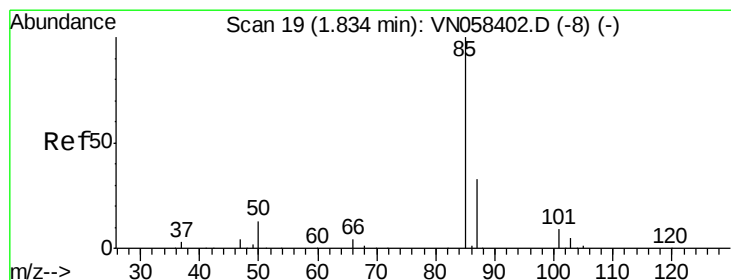
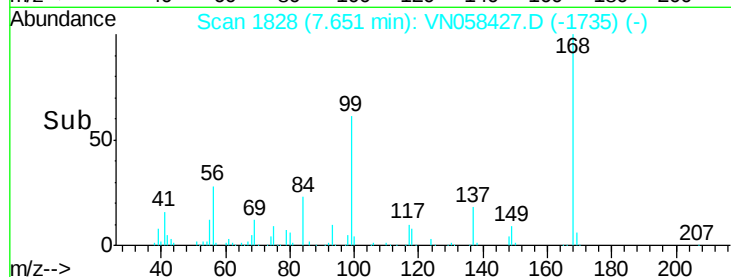
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.655 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058427.D

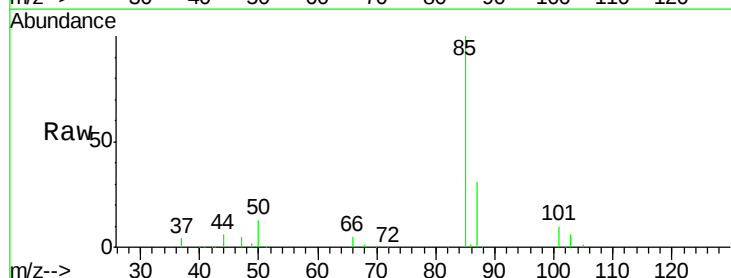
Acq: 30 Sep 2019 12:15

Tgt Ion: 85 Resp: 96268

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

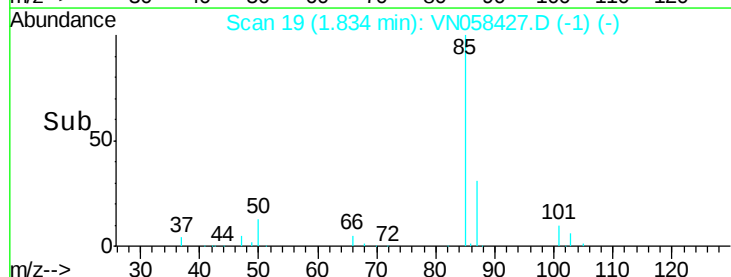
40000

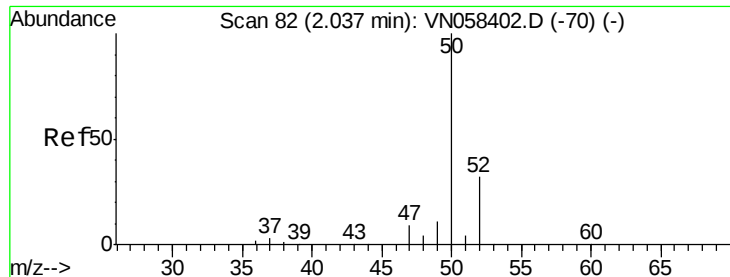
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.150 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

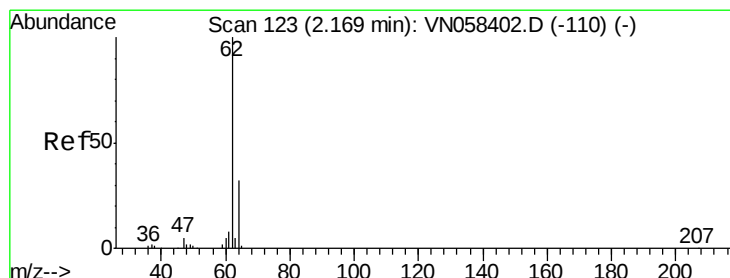
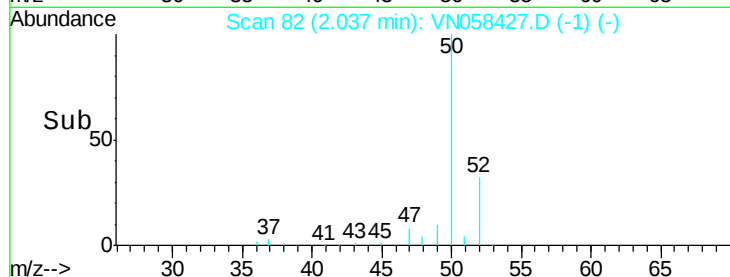
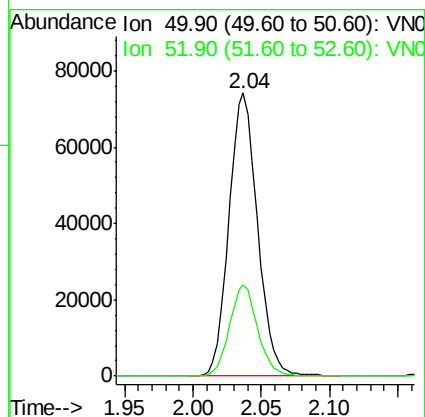
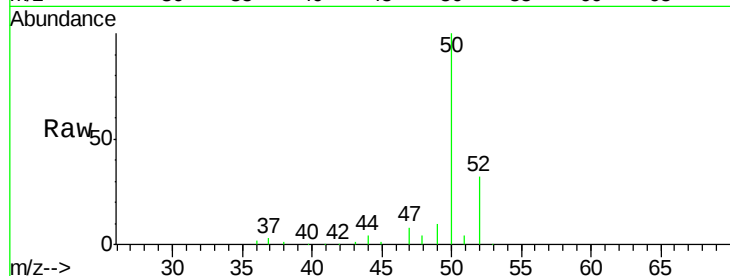
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 108374

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



#4

Vinyl Chloride

Concen: 20.982 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058427.D

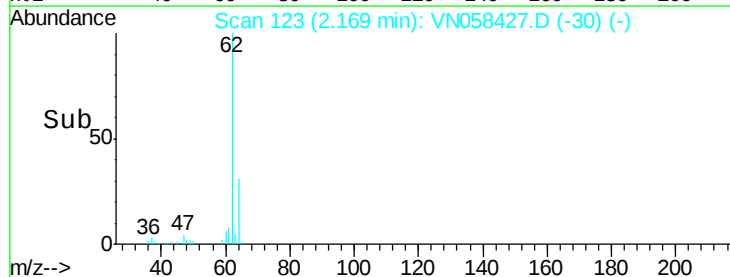
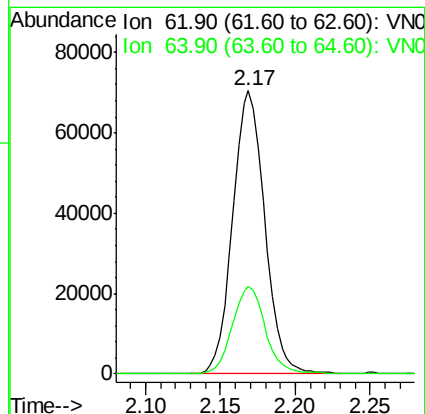
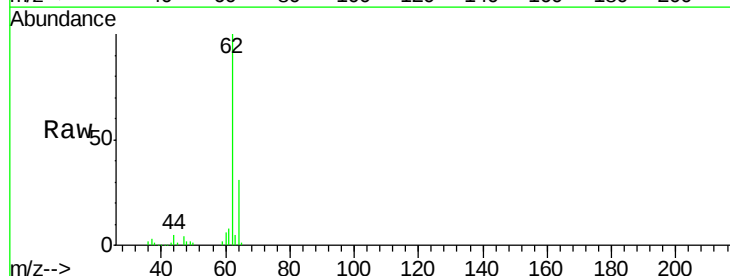
Acq: 30 Sep 2019 12:15

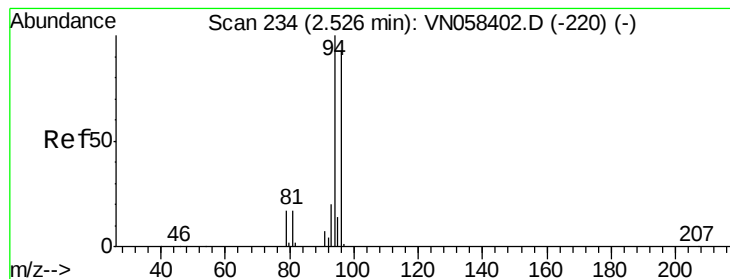
Tgt Ion: 62 Resp: 105323

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 20.169 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

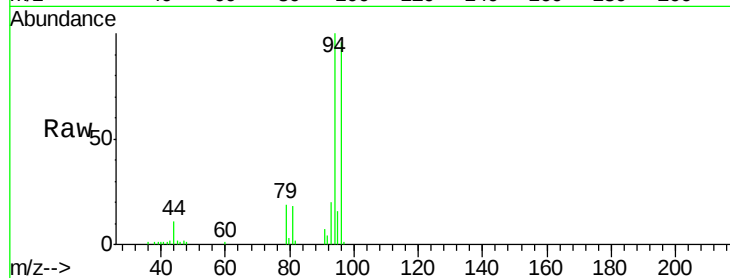
ClientSampled :

Tot Ion: 94 Resp: 53775

Ion Ratio Lower Upper

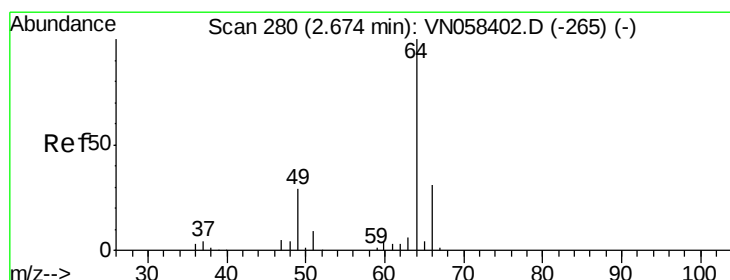
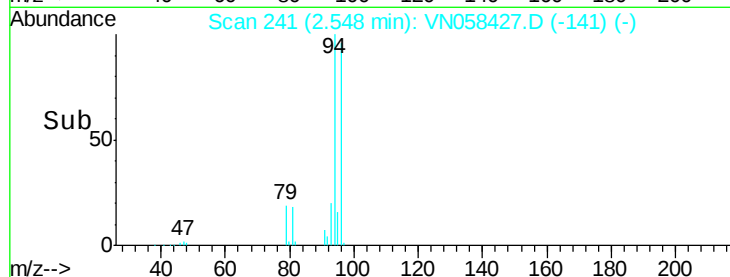
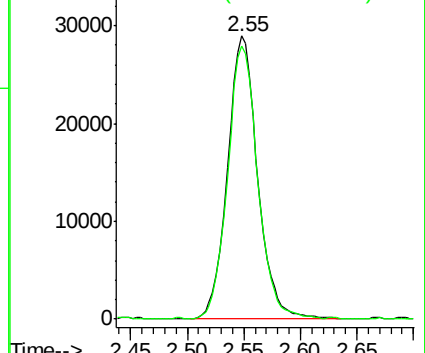
94 100

96 96.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.912 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058427.D

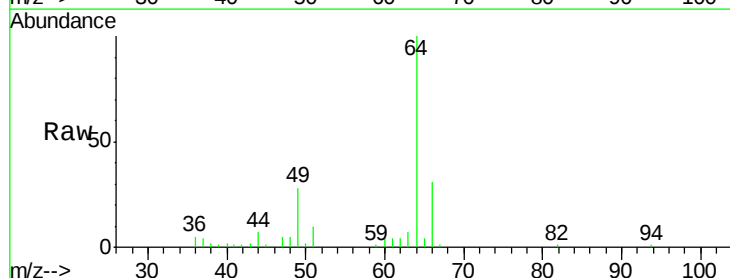
Acq: 30 Sep 2019 12:15

Tgt Ion: 64 Resp: 62894

Ion Ratio Lower Upper

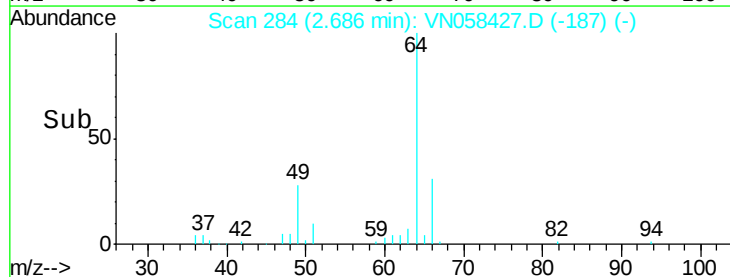
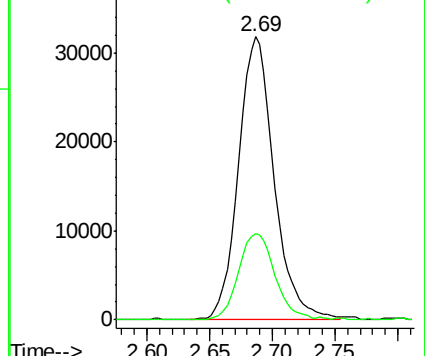
64 100

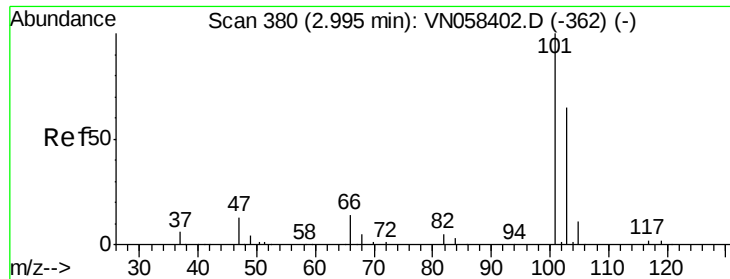
66 30.6 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



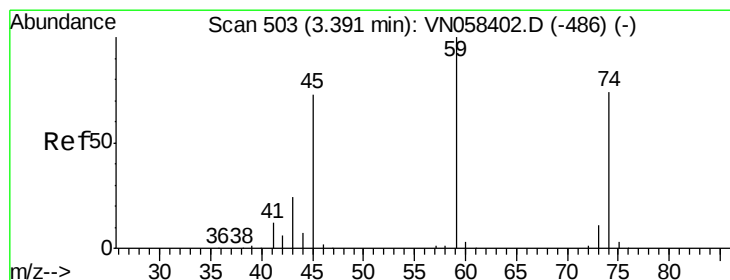
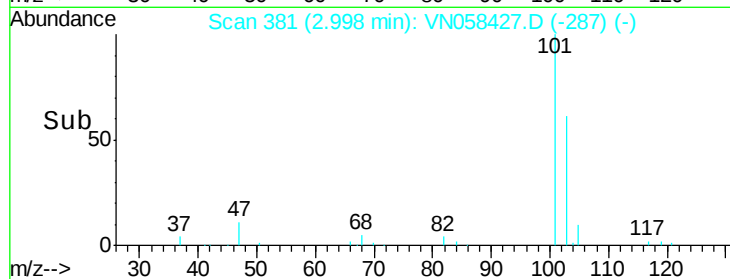
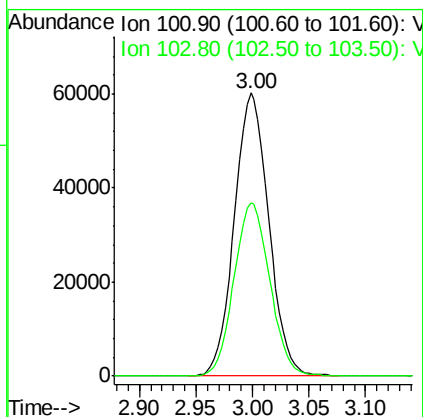
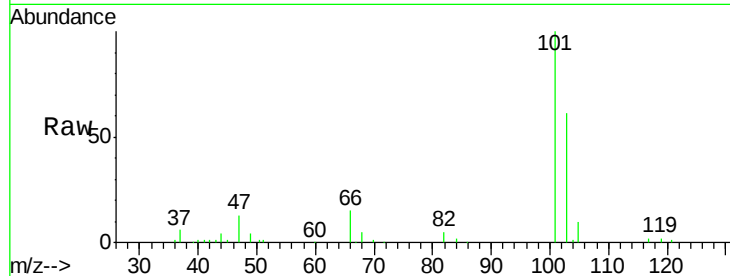


#7

Trichlorofluoromethane
 Concen: 21.146 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :

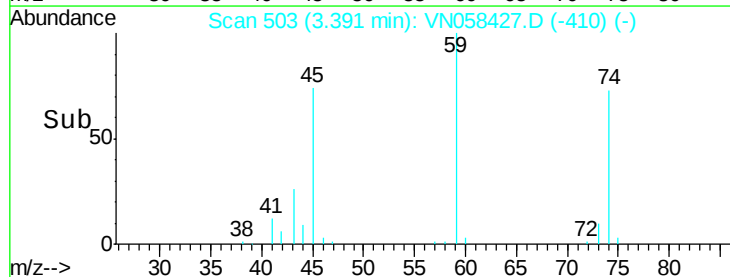
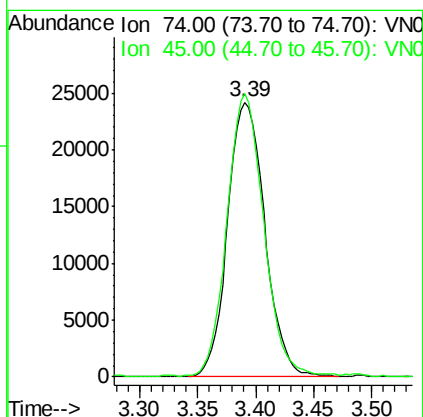
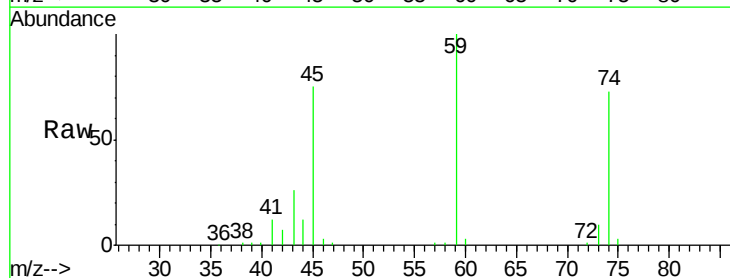
Tot Ion:101 Resp: 128091
 Ion Ratio Lower Upper
 101 100
 103 61.4 52.3 78.5

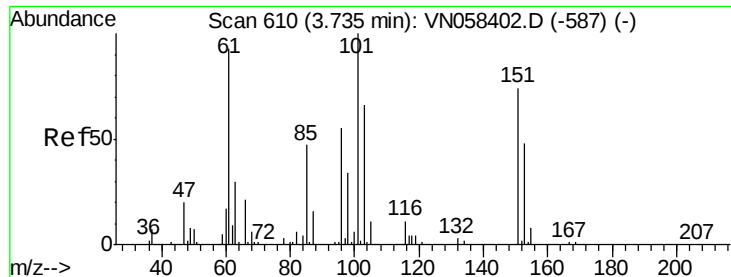


#8

Diethyl Ether
 Concen: 20.705 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion: 74 Resp: 54113
 Ion Ratio Lower Upper
 74 100
 45 102.3 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.631 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

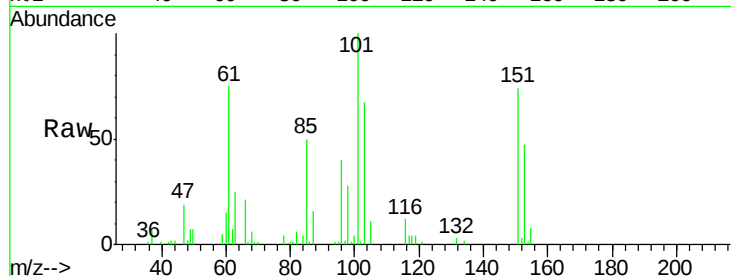
Tot Ion:101 Resp: 84872

Ion Ratio Lower Upper

101 100

85 48.0 36.7 55.1

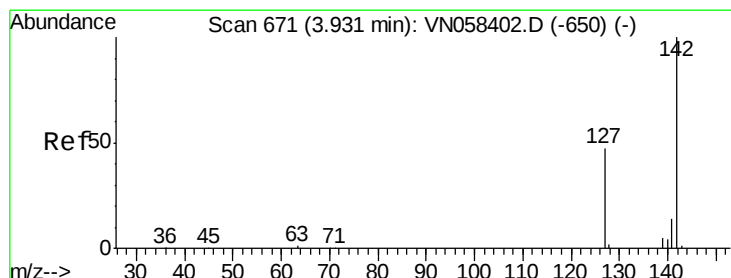
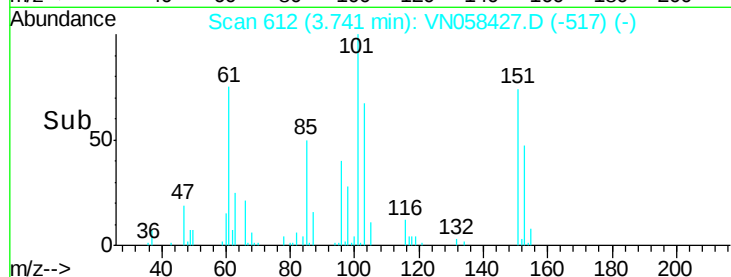
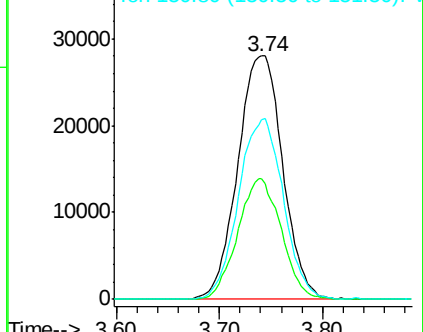
151 74.1 59.4 89.0



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: 19.368 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

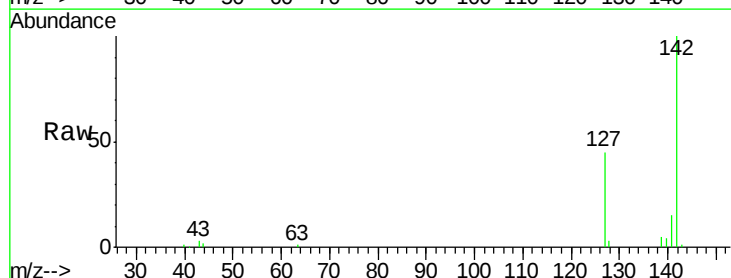
Tgt Ion:142 Resp: 88347

Ion Ratio Lower Upper

142 100

127 45.2 37.2 55.8

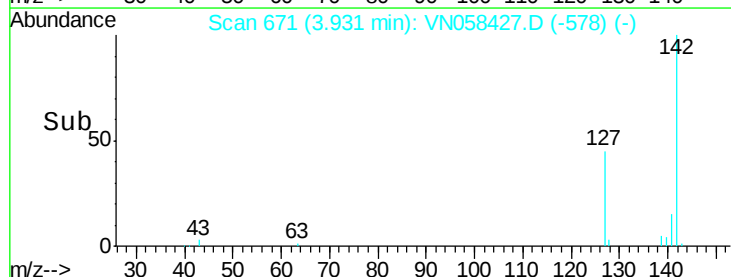
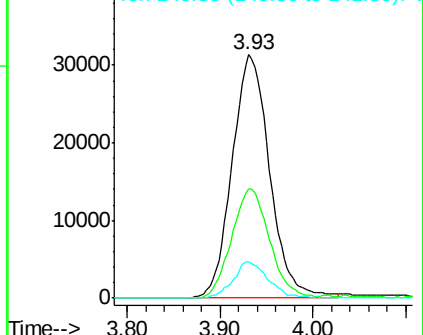
141 13.8 11.3 16.9

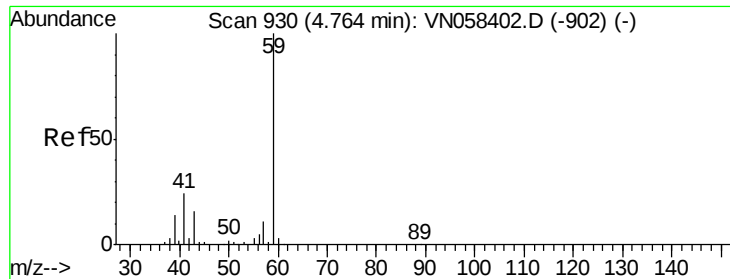


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

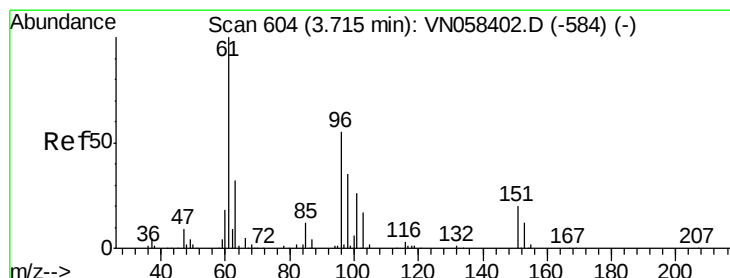
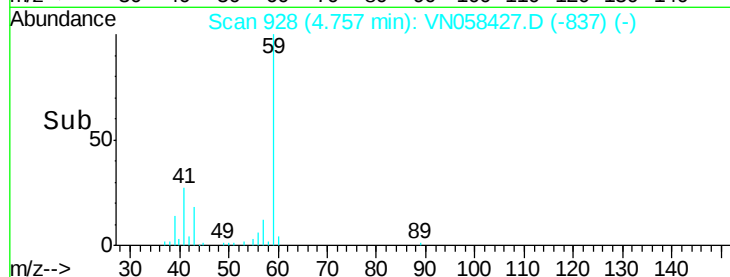
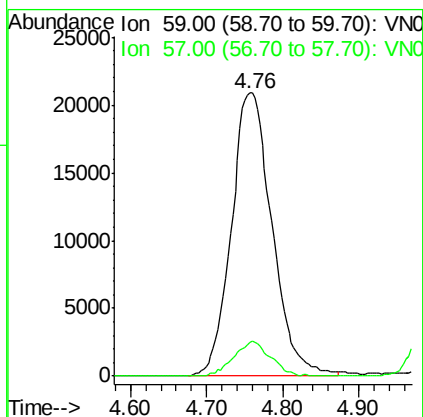
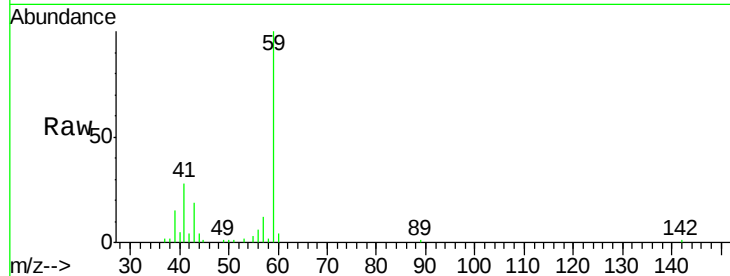




#11
Tert butyl alcohol
Concen: 112.620 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

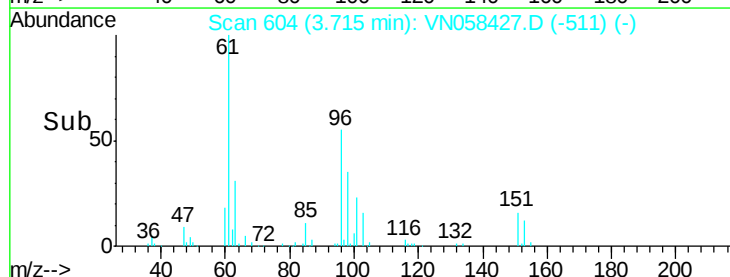
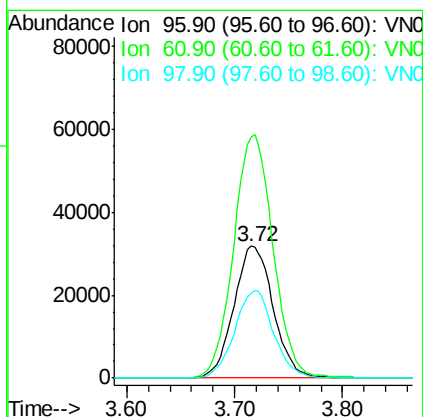
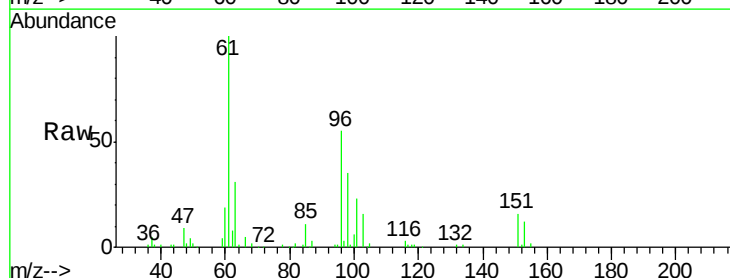
Instrument :
MSVOA_N
ClientSampleId :

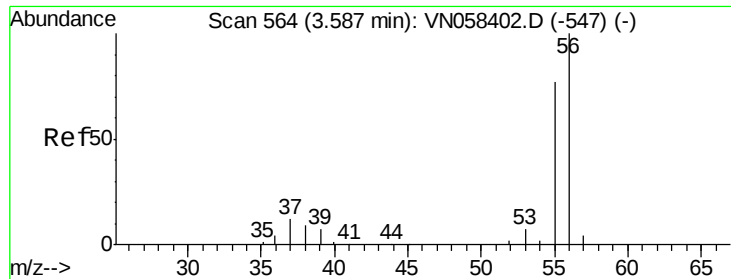
Tot Ion: 59 Resp: 77715
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4



#12
1,1-Dichloroethene
Concen: 20.140 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 96 Resp: 80758
Ion Ratio Lower Upper
96 100
61 182.9 146.7 220.1
98 64.3 51.3 76.9

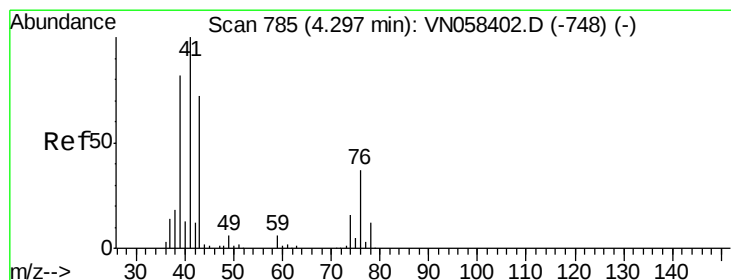
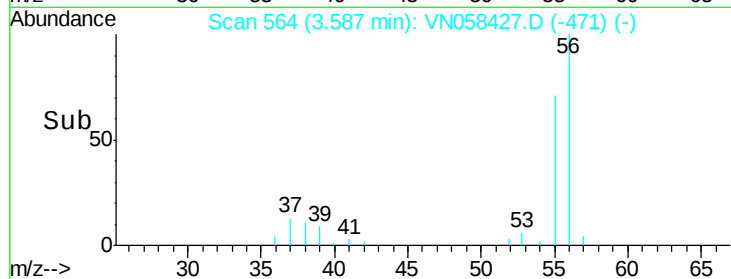
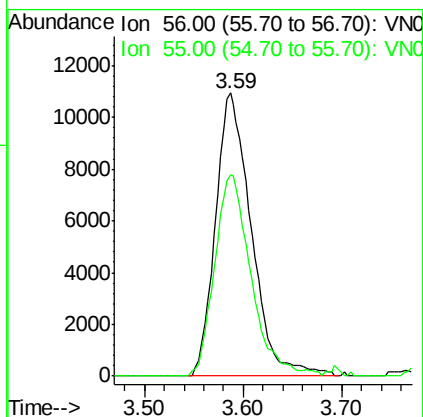
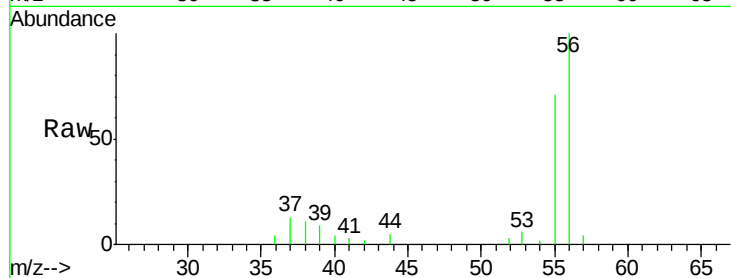




#13
Acrolein
Concen: 126.201 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

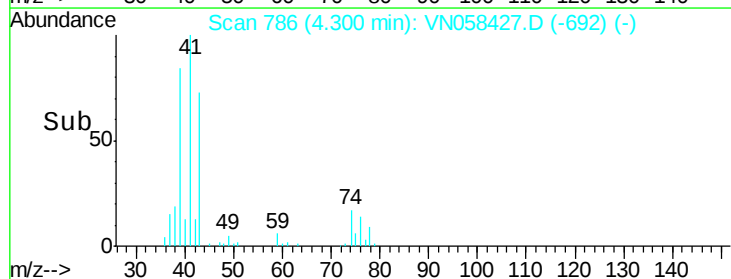
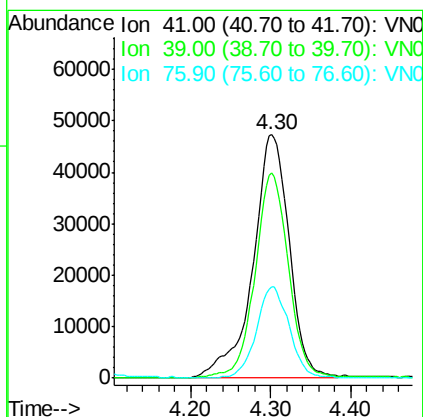
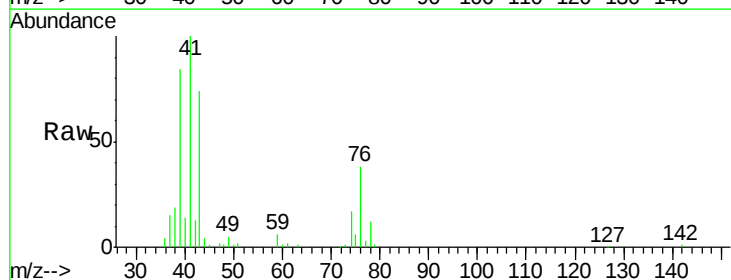
Instrument :
MSVOA_N
ClientSampleId :

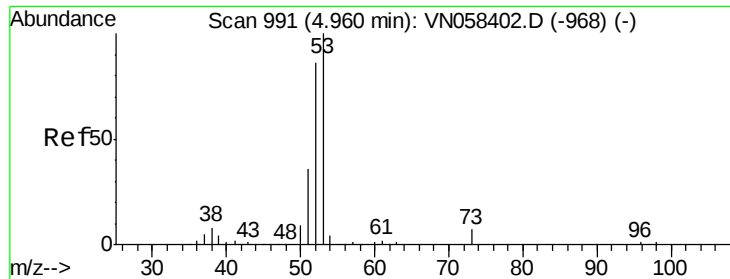
Tot Ion: 56 Resp: 27699
Ion Ratio Lower Upper
56 100
55 71.5 58.3 87.5



#14
Allyl chloride
Concen: 20.339 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 41 Resp: 148422
Ion Ratio Lower Upper
41 100
39 78.1 62.3 93.5
76 33.9 26.9 40.3





#15

Acrylonitrile

Concen: 107.610 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

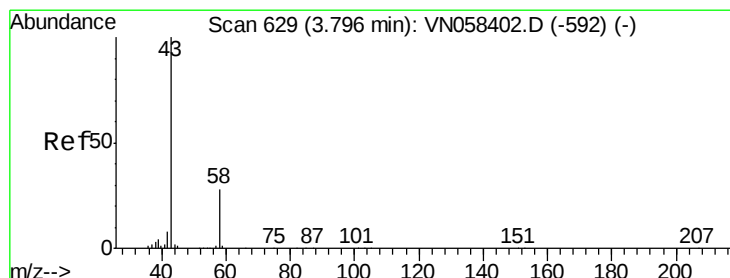
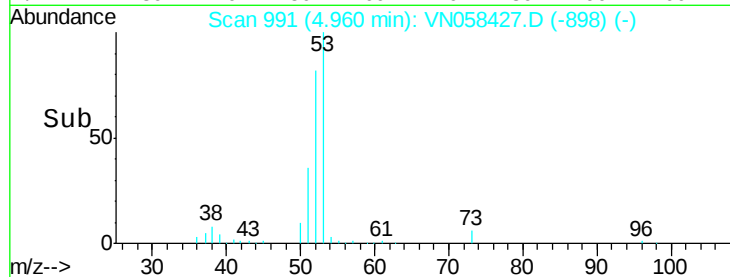
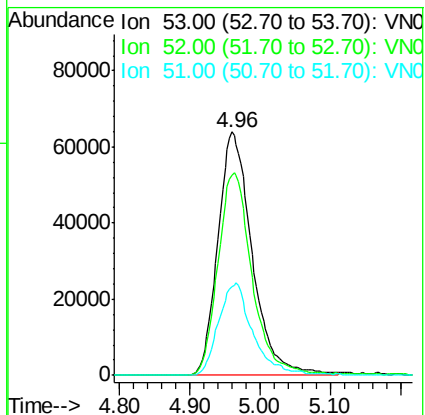
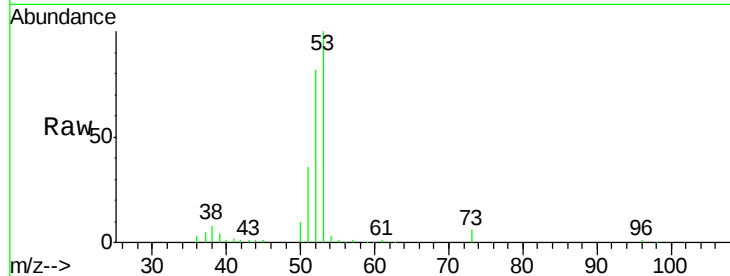
Tot Ion: 53 Resp: 216420

Ion Ratio Lower Upper

53 100

52 82.5 66.6 100.0

51 37.3 29.8 44.8



#16

Acetone

Concen: 102.567 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058427.D

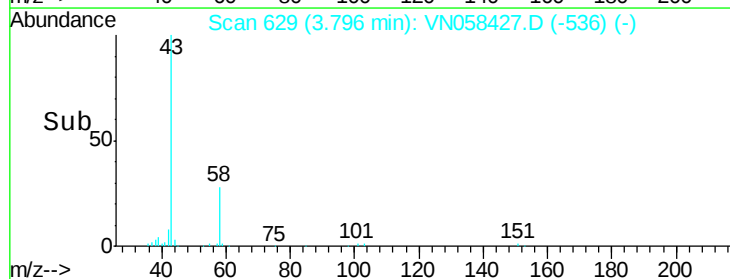
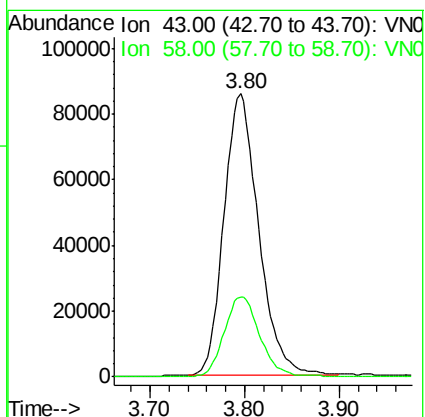
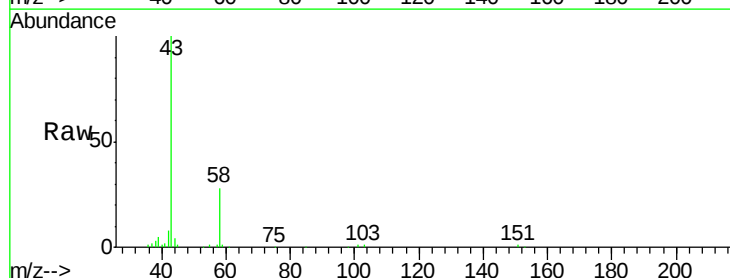
Acq: 30 Sep 2019 12:15

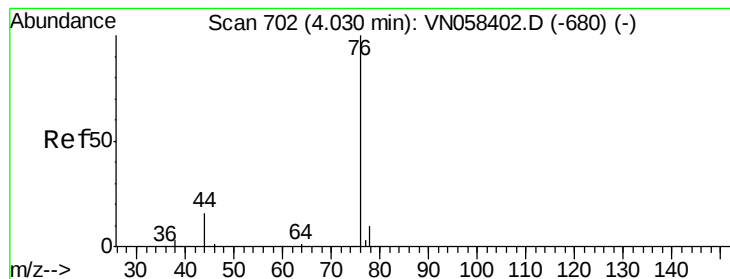
Tgt Ion: 43 Resp: 217185

Ion Ratio Lower Upper

43 100

58 28.5 22.4 33.6





#17

Carbon Disulfide

Concen: 20.807 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

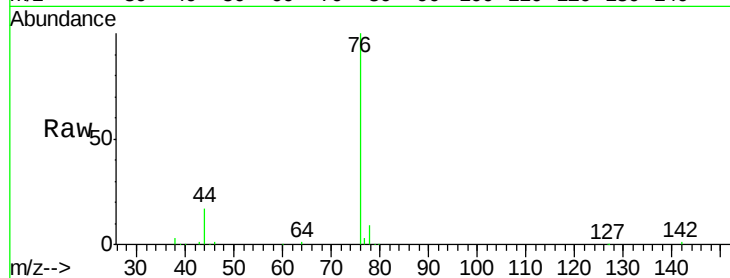
ClientSampled :

Tot Ion: 76 Resp: 219928

Ion Ratio Lower Upper

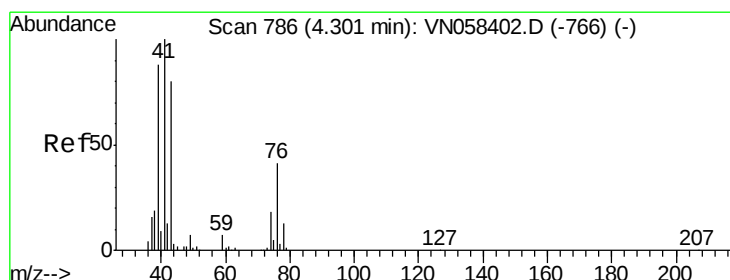
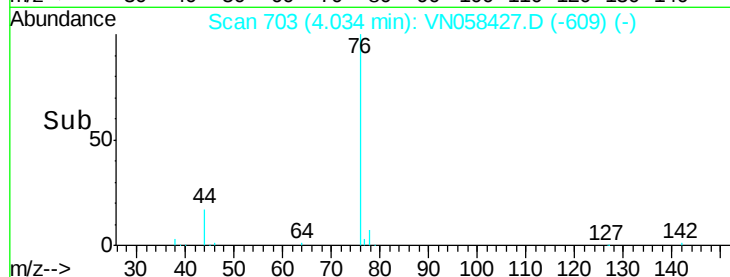
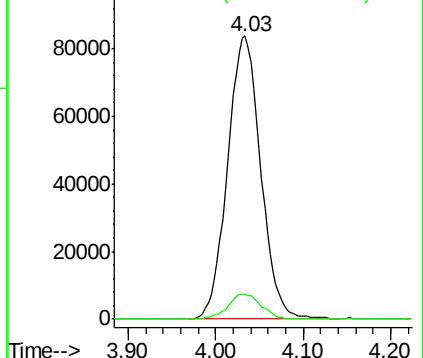
76 100

78 8.6 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.421 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058427.D

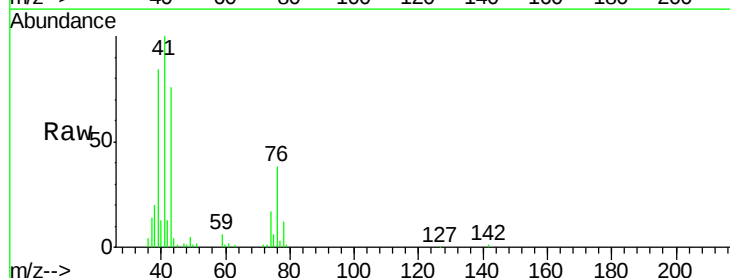
Acq: 30 Sep 2019 12:15

Tgt Ion: 43 Resp: 103431

Ion Ratio Lower Upper

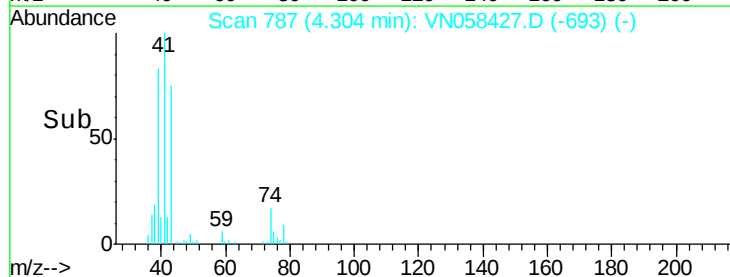
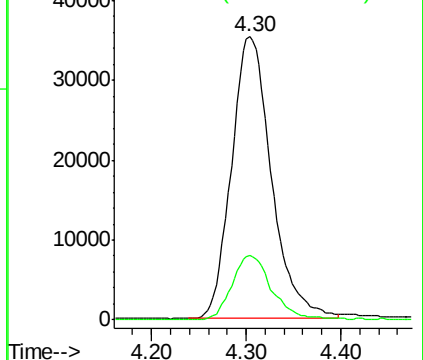
43 100

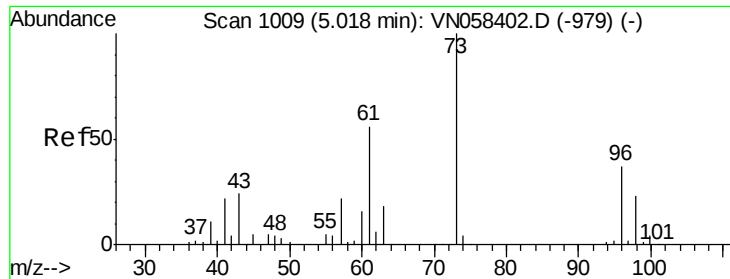
74 22.7 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

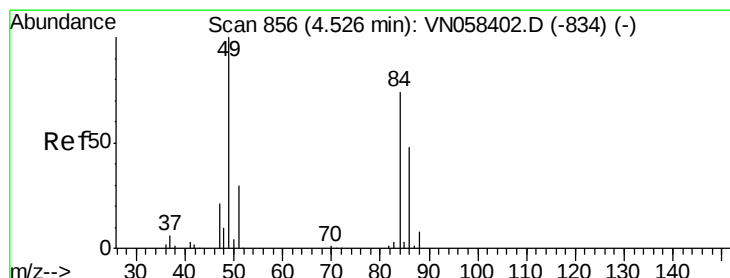
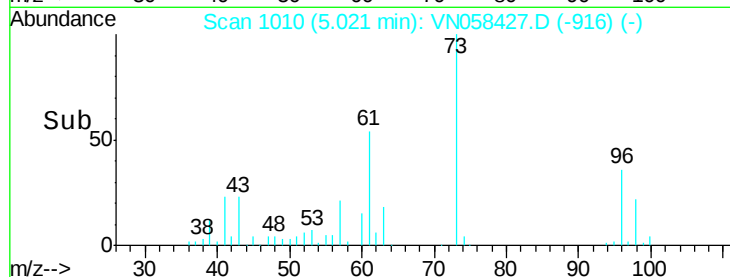
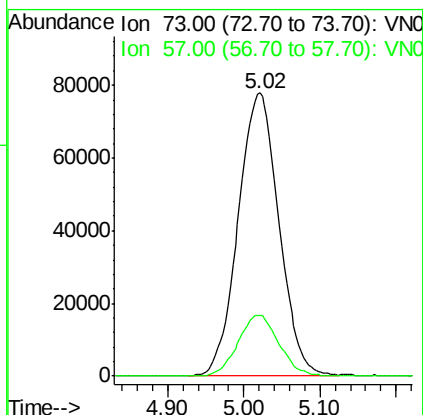
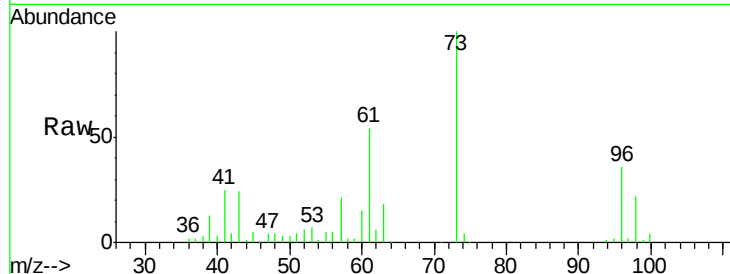




#19
Methyl tert-butyl Ether
Concen: 20.475 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

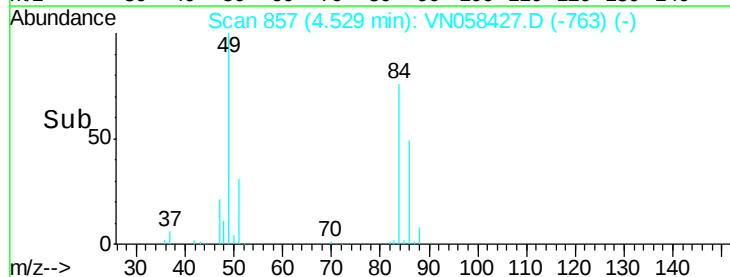
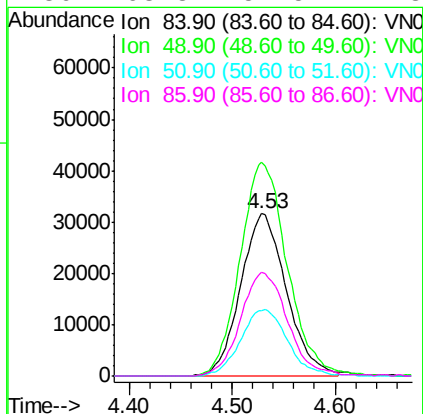
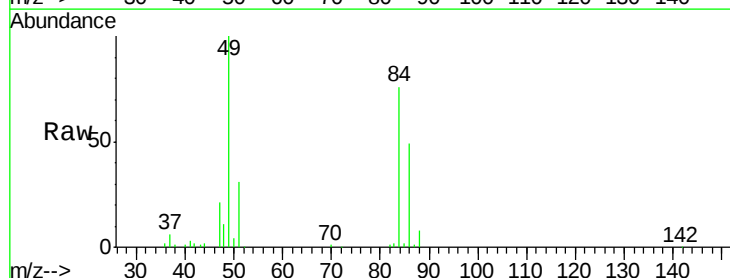
Instrument :
MSVOA_N
ClientSampled :

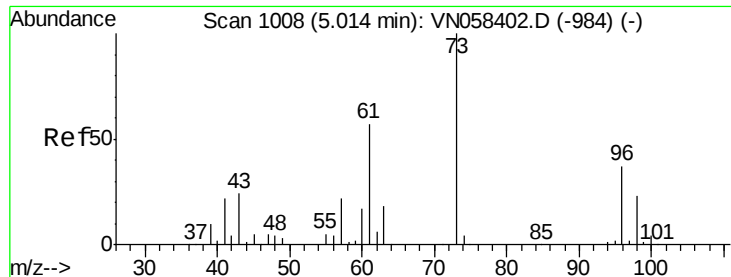
Tot Ion: 73 Resp: 289686
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4



#20
Methylene Chloride
Concen: 19.949 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 84 Resp: 97485
Ion Ratio Lower Upper
84 100
49 131.5 107.9 161.9
51 40.6 32.8 49.2
86 63.8 51.5 77.3

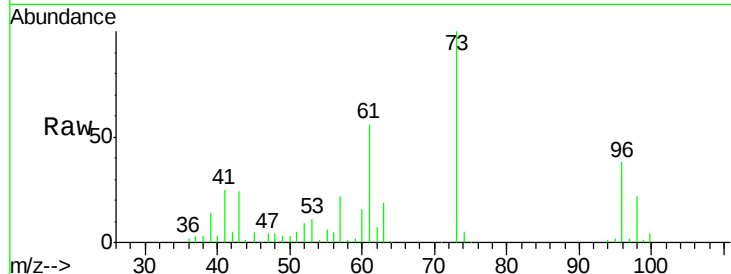




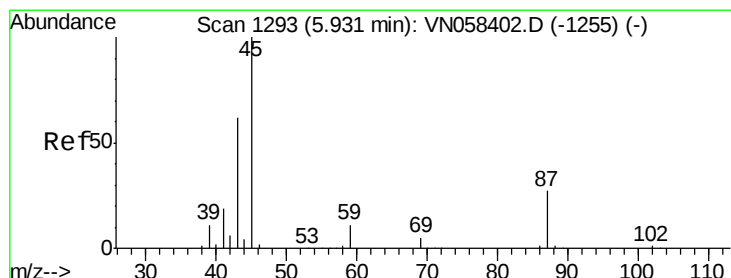
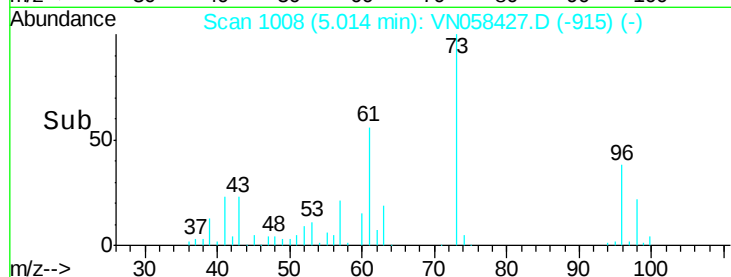
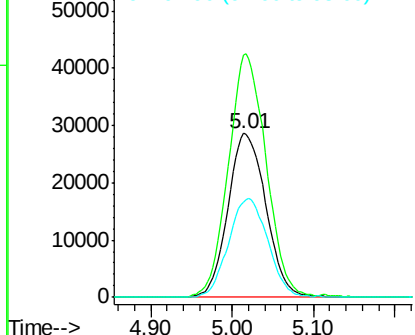
#21
trans-1,2-Dichloroethene
Concen: 20.815 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 92814
Ion Ratio Lower Upper
96 100
61 147.9 121.9 182.9
98 57.8 49.3 73.9

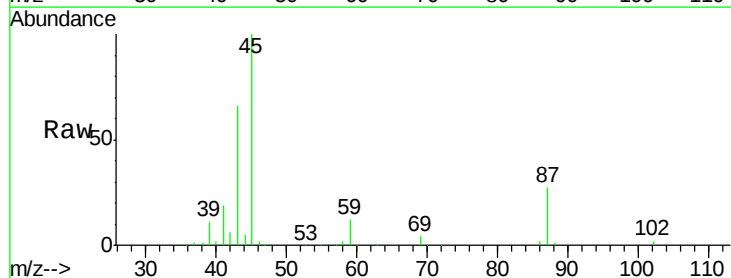


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

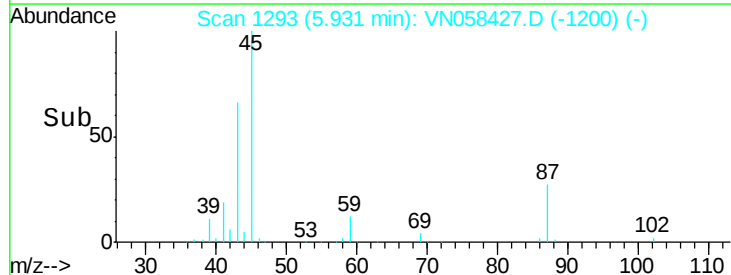
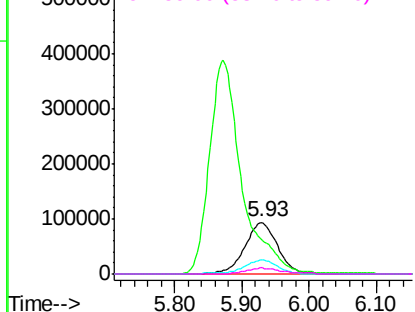


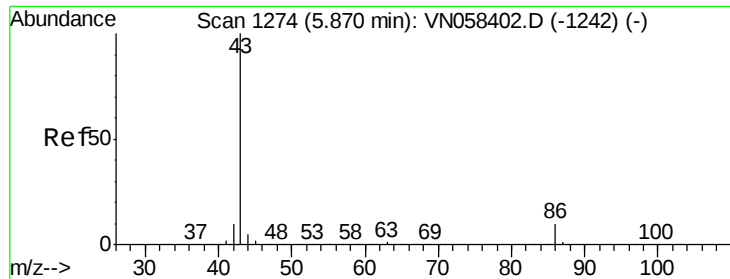
#22
Diisopropyl ether
Concen: 20.195 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 45 Resp: 317126
Ion Ratio Lower Upper
45 100
43 63.7 49.7 74.5
87 26.4 21.5 32.3
59 11.4 8.9 13.3



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





#23

Vinyl Acetate

Concen: 109.975 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

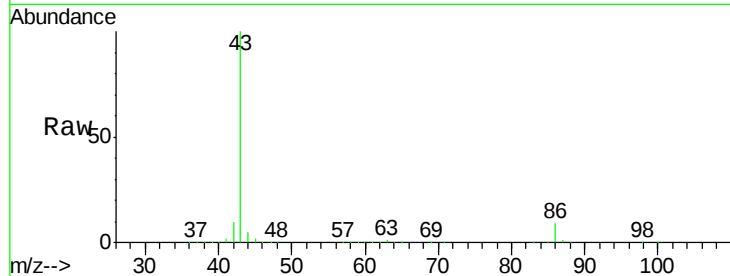
ClientSampled :

Tot Ion: 43 Resp: 1302156

Ion Ratio Lower Upper

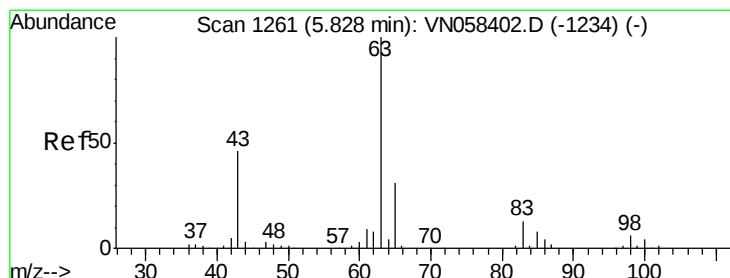
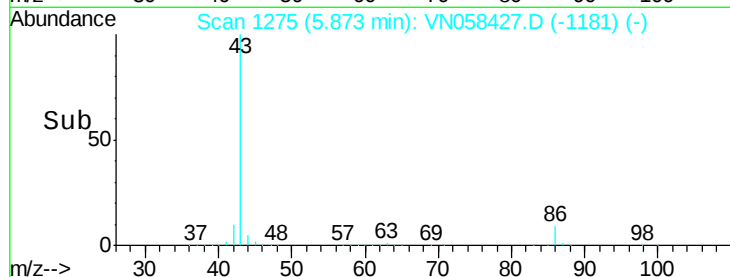
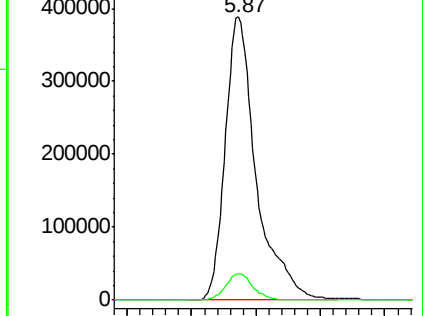
43 100

86 9.2 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.815 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

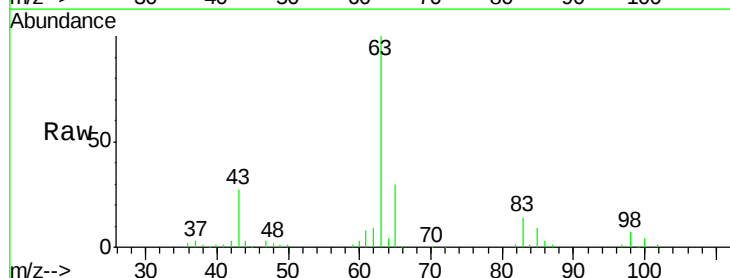
Tgt Ion: 63 Resp: 183953

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.0

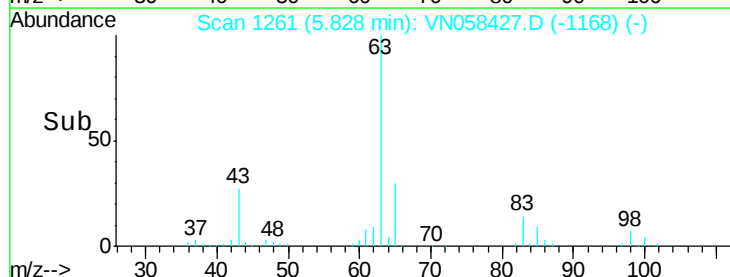
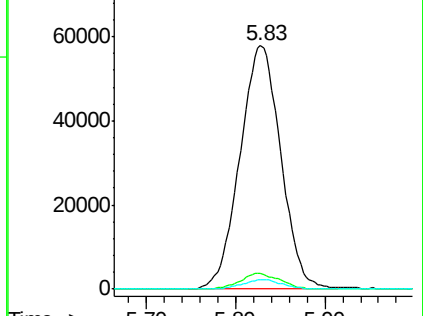
100 3.9 2.0 5.8

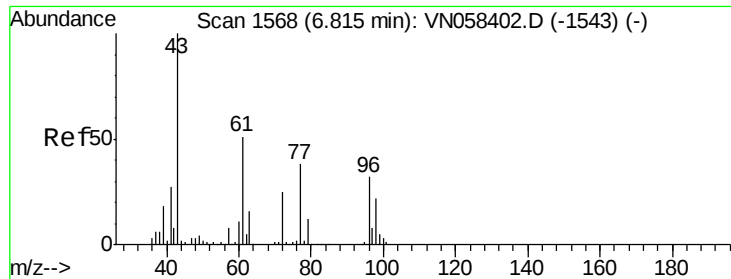


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 106.019 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

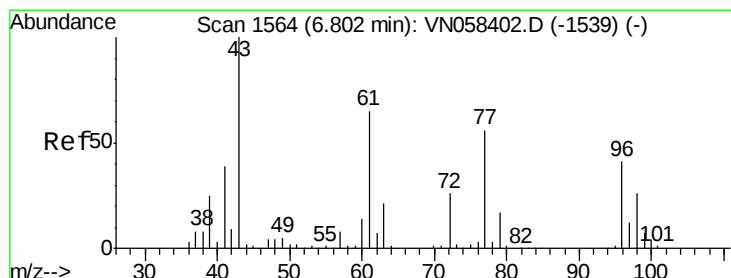
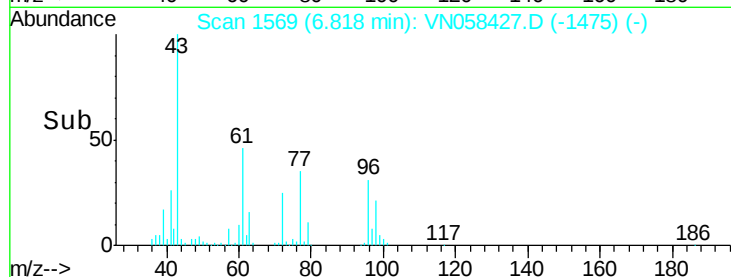
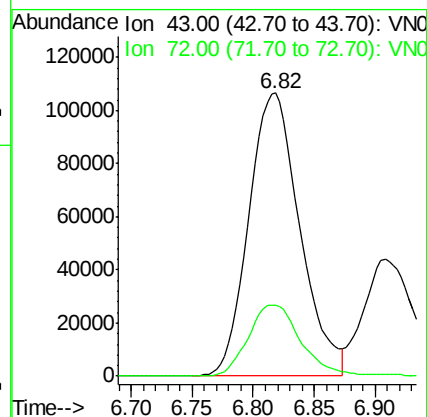
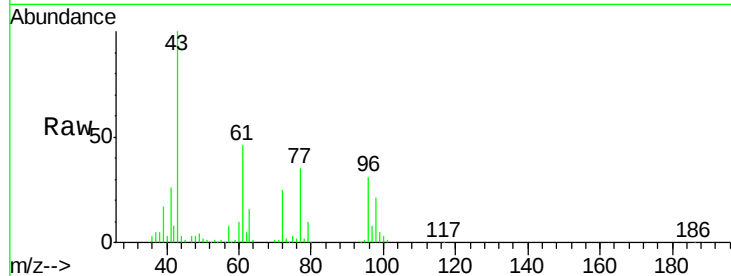
ClientSampleId :

Tot Ion: 43 Resp: 308224

Ion Ratio Lower Upper

43 100

72 24.9 20.2 30.4



#26

2,2-Dichloropropane

Concen: 20.126 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058427.D

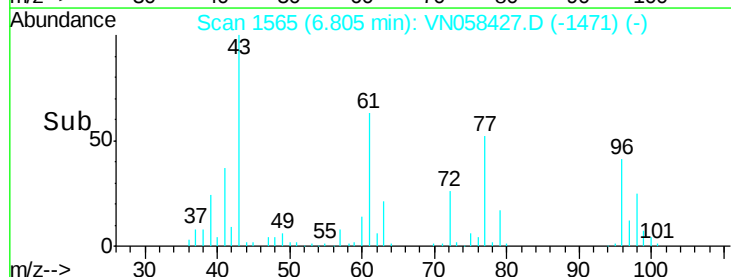
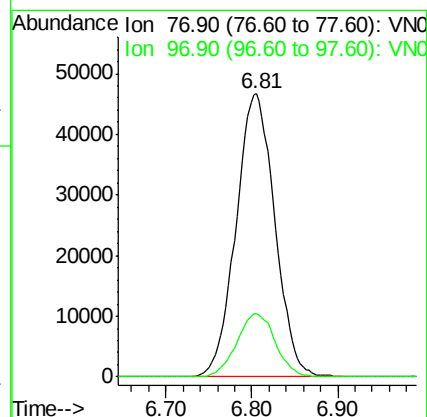
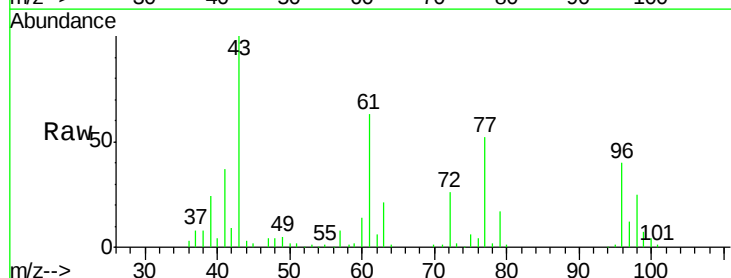
Acq: 30 Sep 2019 12:15

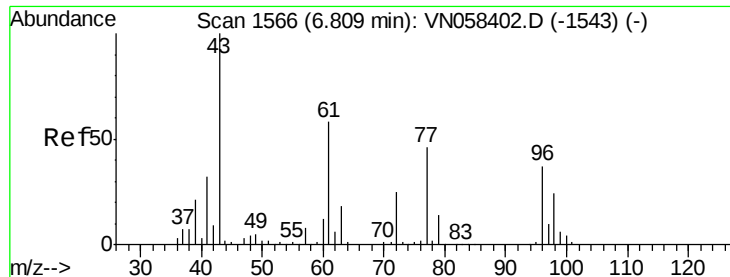
Tgt Ion: 77 Resp: 146230

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 20.522 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

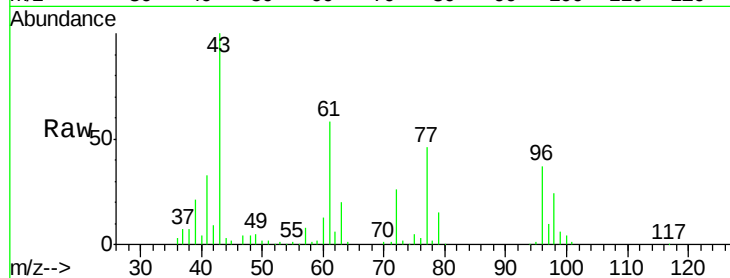
Tot Ion: 96 Resp: 106950

Ion Ratio Lower Upper

96 100

61 155.2 0.0 318.8

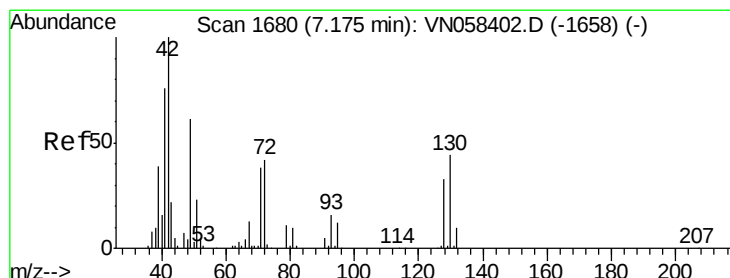
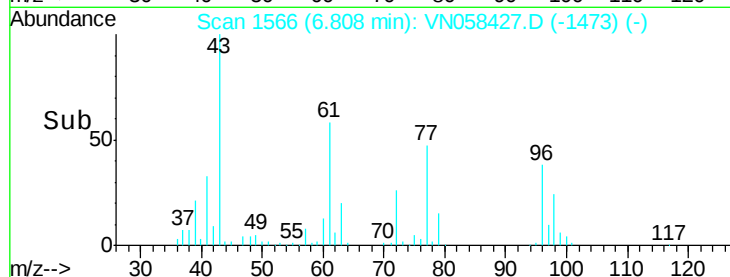
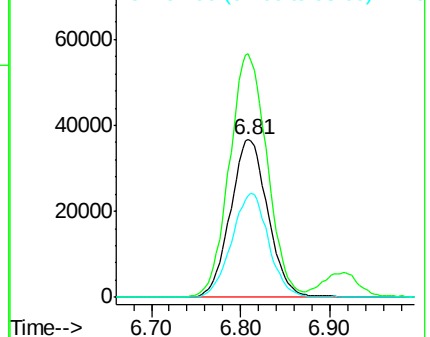
98 64.8 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.832 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

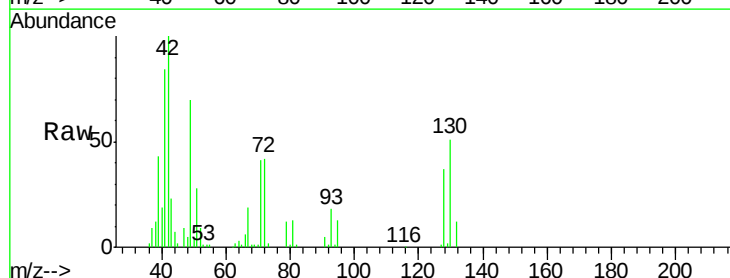
Tgt Ion: 49 Resp: 77126

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.4

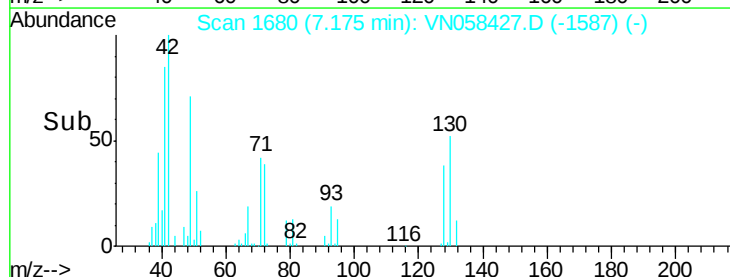
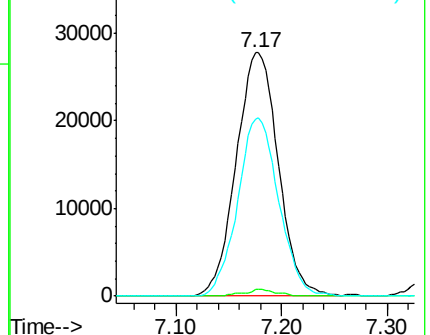
130 71.4 56.3 84.5

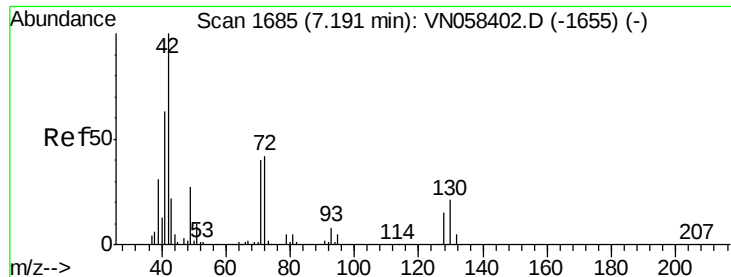


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

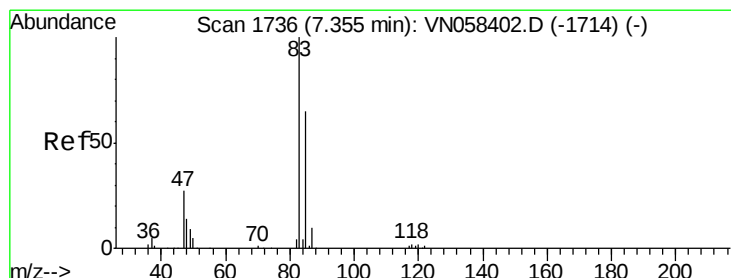
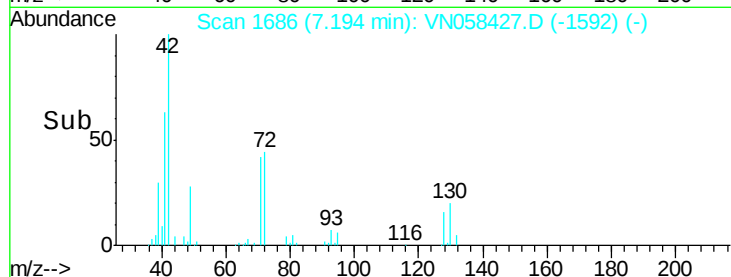
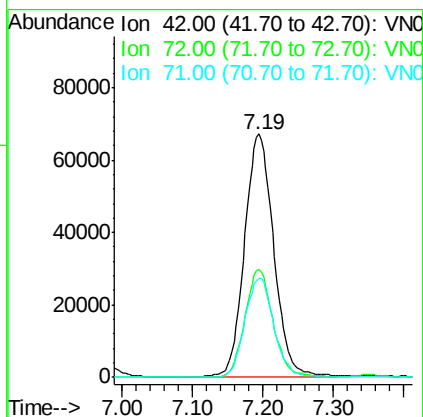
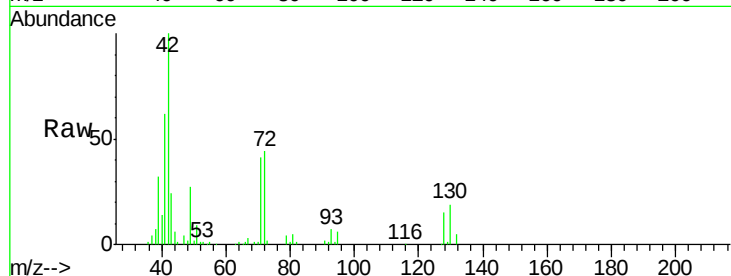




#29
Tetrahydrofuran
Concen: 105.646 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

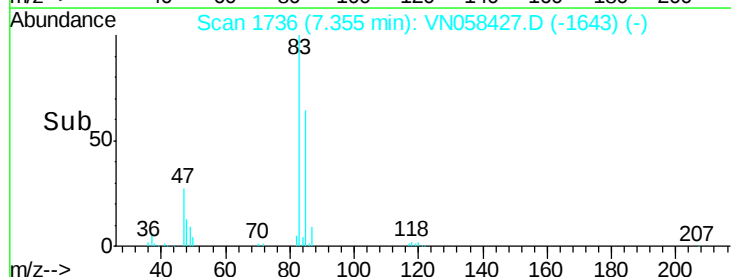
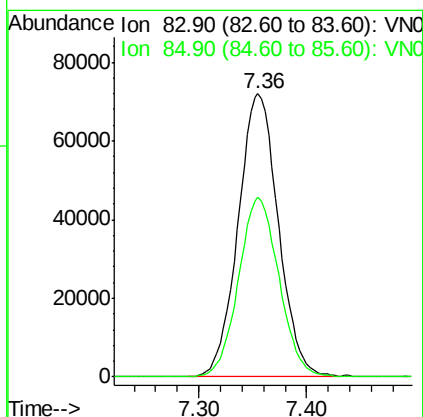
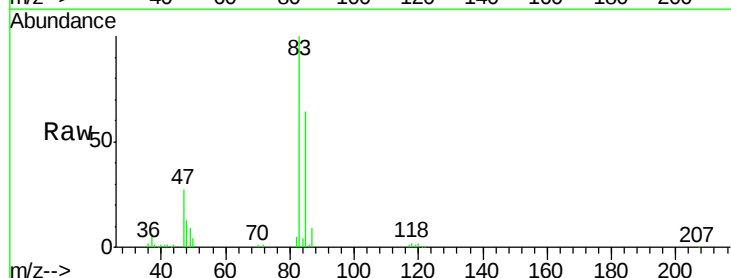
Instrument :
MSVOA_N
ClientSampled :

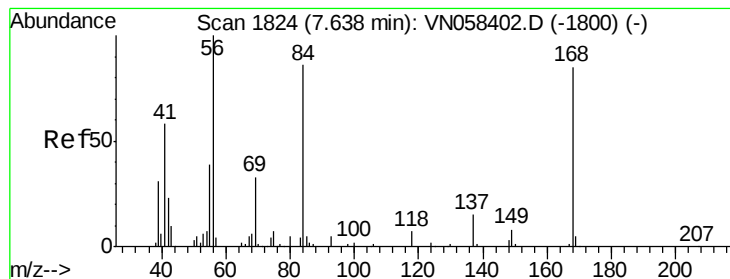
Tot Ion: 42 Resp: 194939
Ion Ratio Lower Upper
42 100
72 42.3 33.7 50.5
71 40.0 31.8 47.6



#30
Chloroform
Concen: 20.847 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 83 Resp: 186700
Ion Ratio Lower Upper
83 100
85 63.5 52.0 78.0





#31

Cyclohexane

Concen: 20.598 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :

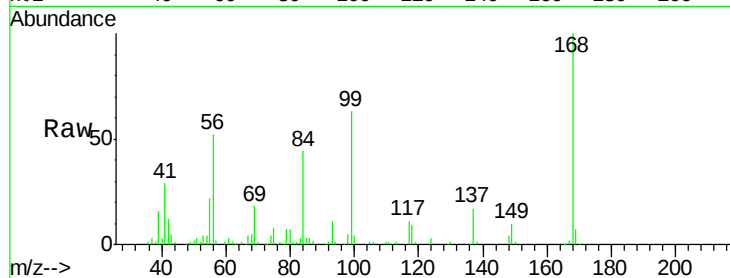
Tot Ion: 56 Resp: 177072

Ion Ratio Lower Upper

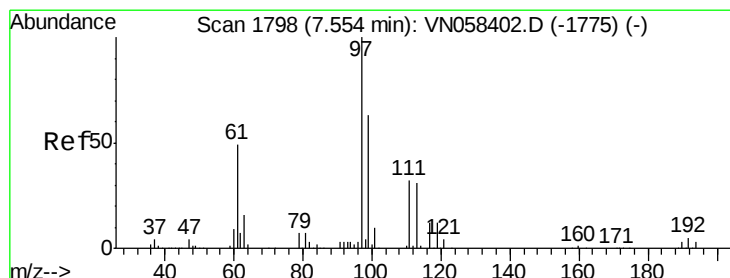
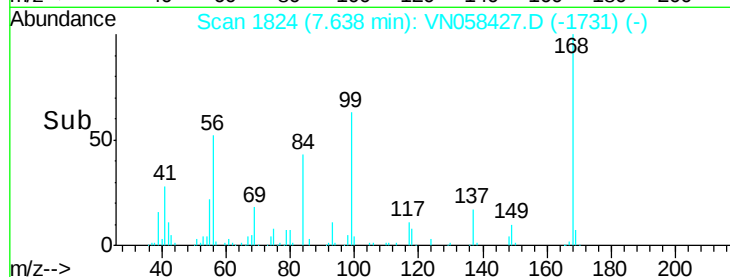
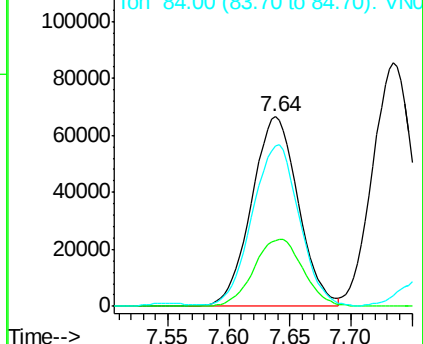
56 100

69 34.9 26.2 39.4

84 83.1 67.6 101.4



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: 21.398 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

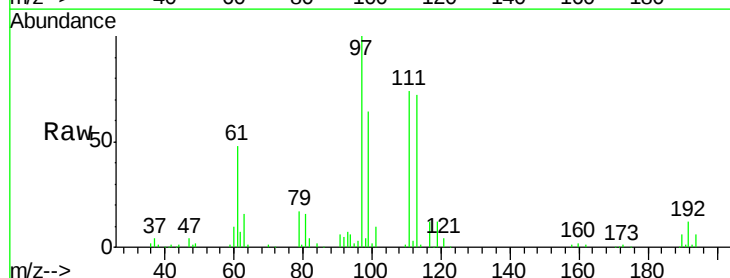
Tgt Ion: 97 Resp: 157362

Ion Ratio Lower Upper

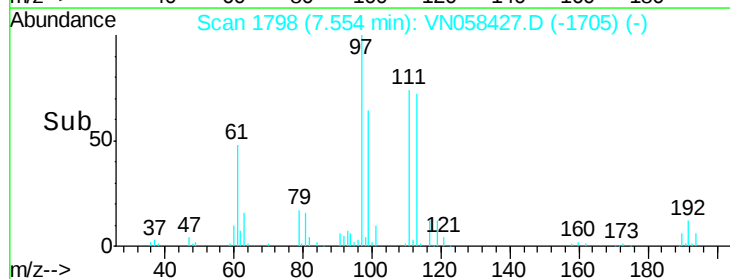
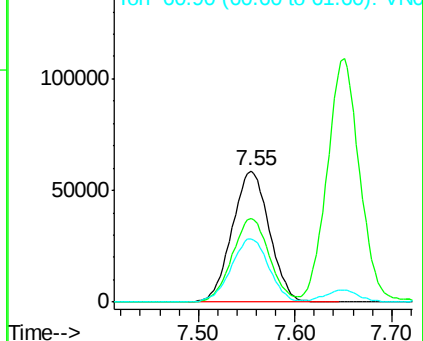
97 100

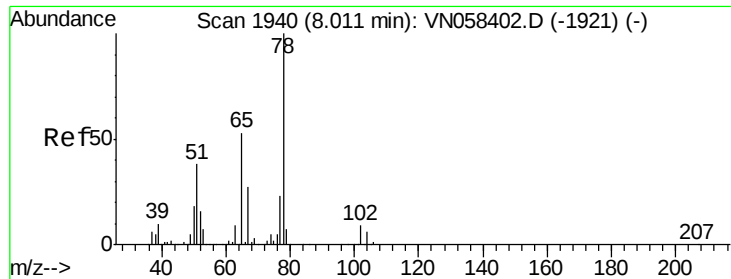
99 63.6 51.1 76.7

61 48.7 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.978 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

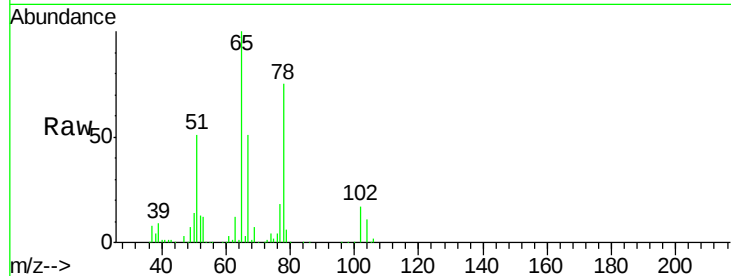
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 310444

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058427.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058427.D (-1847) (-)

8.01

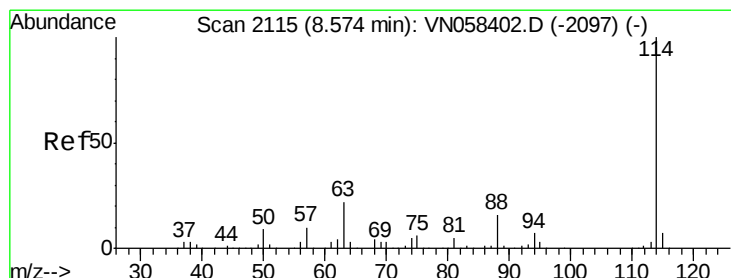
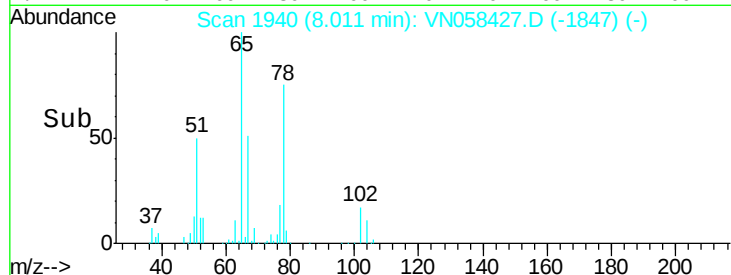
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

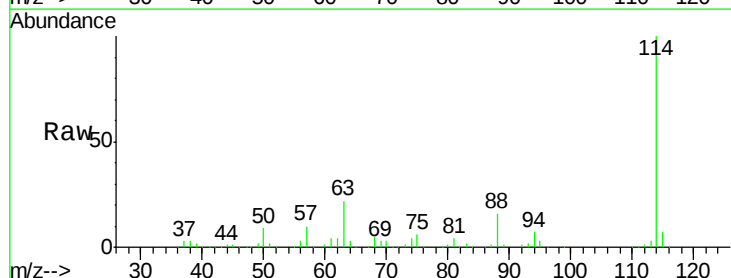
Tgt Ion: 114 Resp: 725538

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.0

88 15.9 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058427.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058427.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058427.D (-2022) (-)

8.57

400000

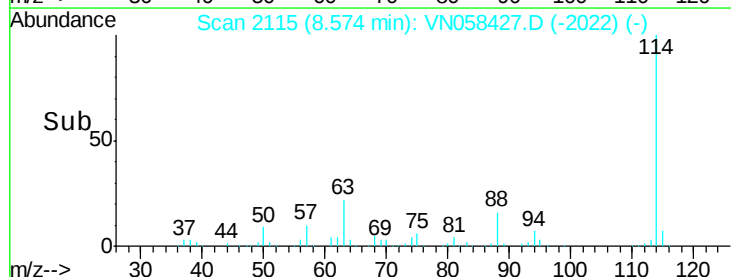
300000

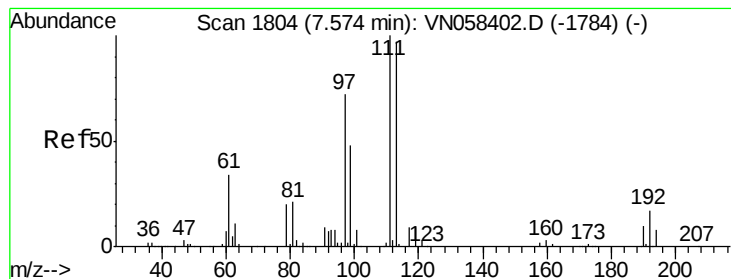
200000

100000

0

Time--> 8.50 8.55 8.60 8.65 8.70





#35

Dibromofluoromethane

Concen: 50.216 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :

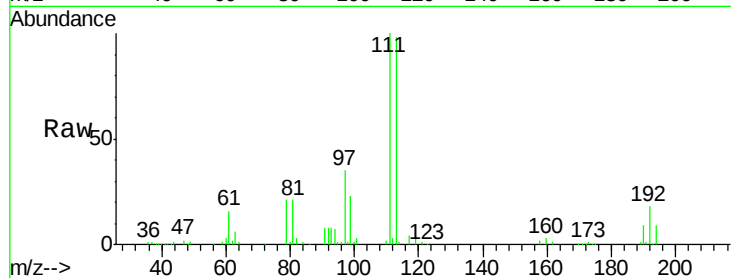
Tot Ion:113 Resp: 223300

Ion Ratio Lower Upper

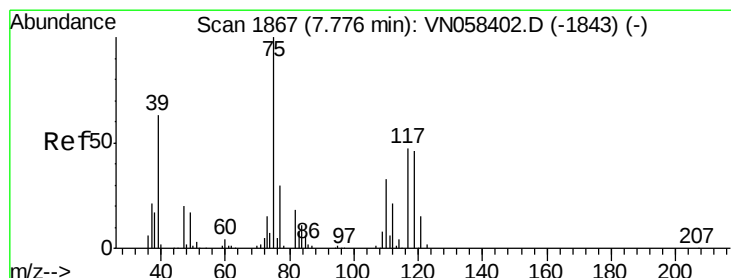
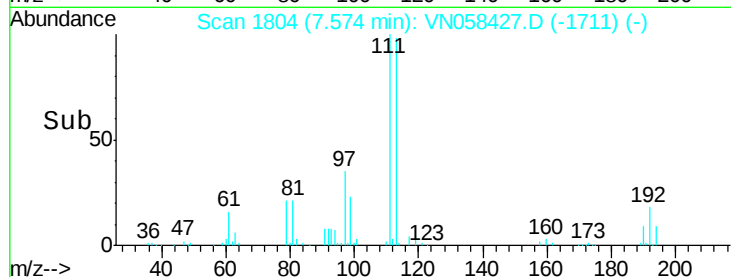
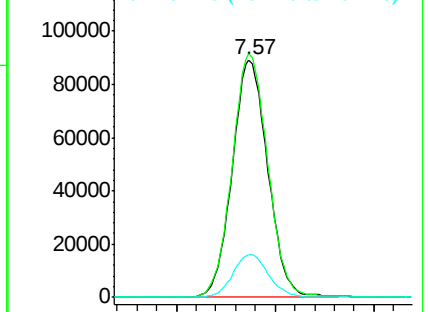
113 100

111 102.7 83.4 125.2

192 18.1 14.9 22.3



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: 20.097 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

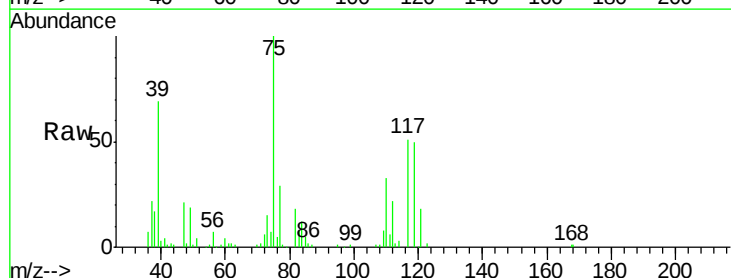
Tgt Ion: 75 Resp: 139425

Ion Ratio Lower Upper

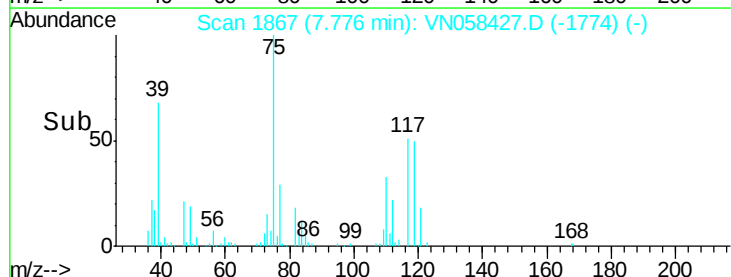
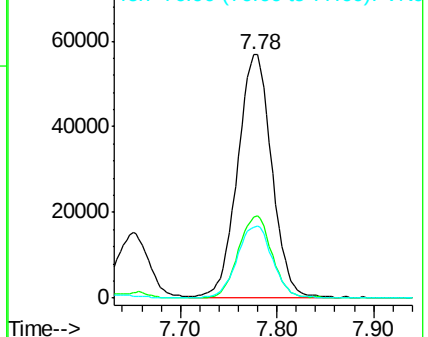
75 100

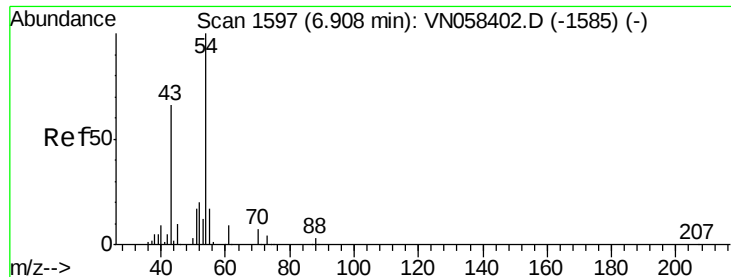
110 33.3 16.4 49.2

77 30.9 24.3 36.5



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

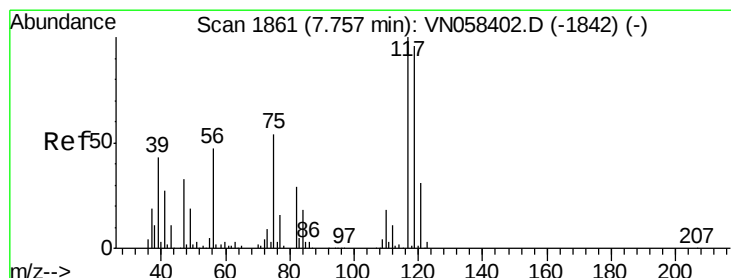
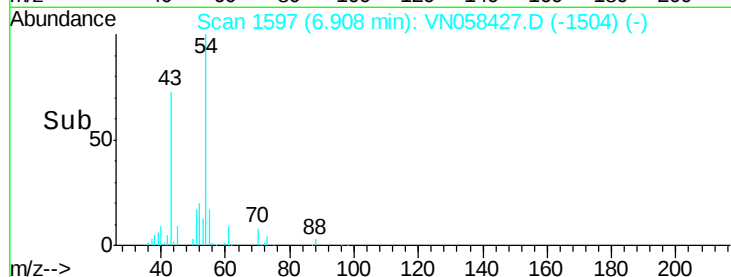
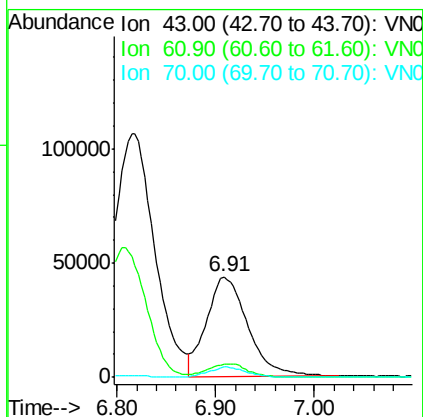
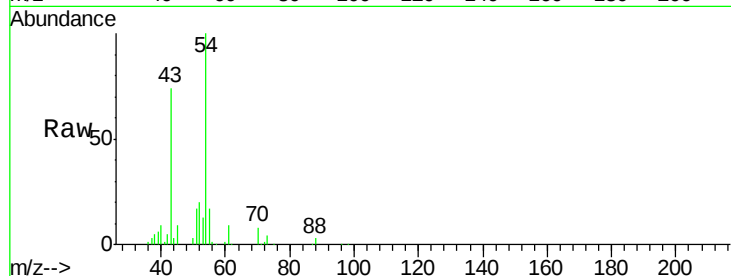




#37
Ethyl Acetate
Concen: 21.652 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

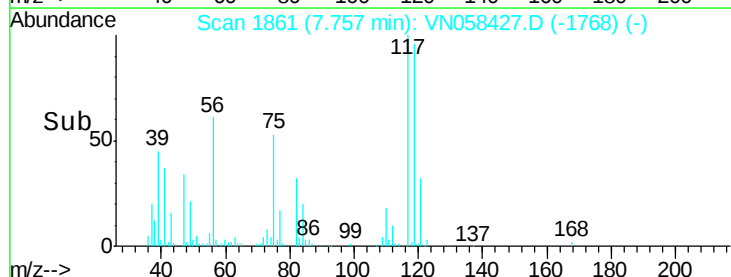
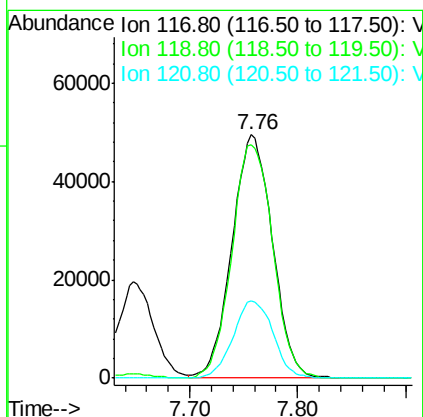
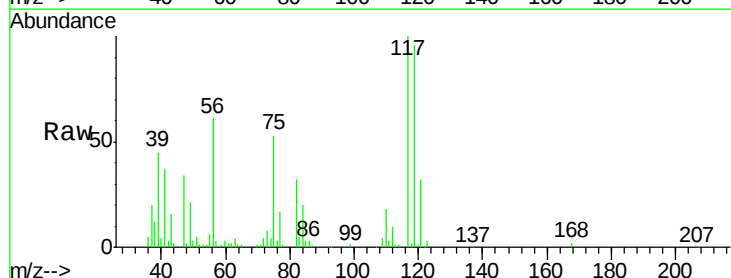
Instrument :
MSVOA_N
ClientSampleId :

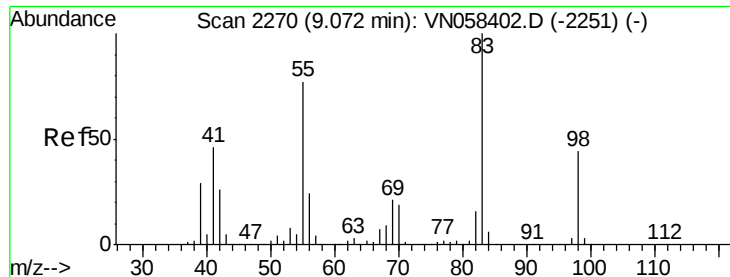
Tot Ion: 43 Resp: 127352
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 20.650 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 117 Resp: 129316
Ion Ratio Lower Upper
117 100
119 96.1 76.6 115.0
121 31.7 24.7 37.1

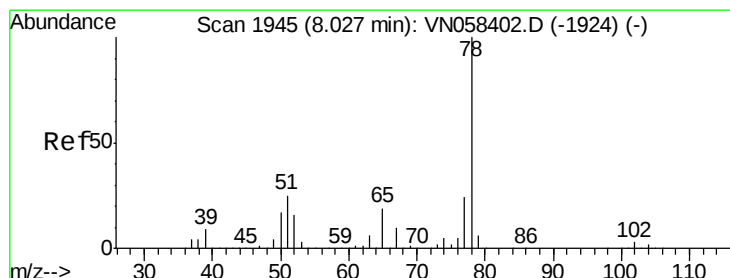
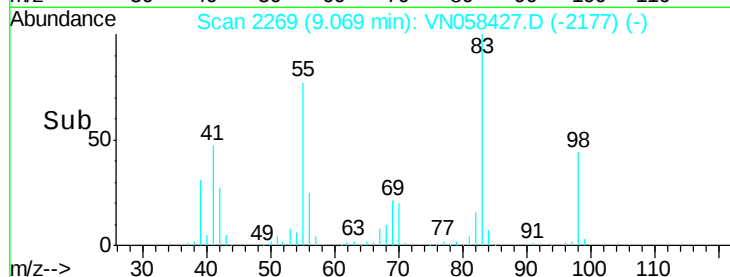
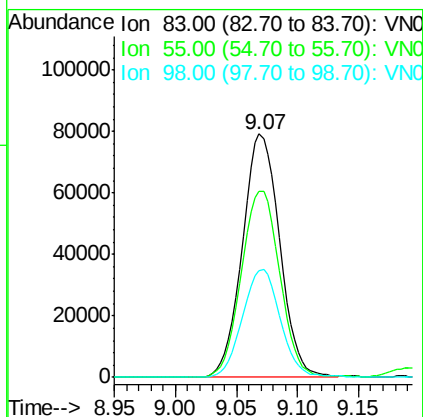
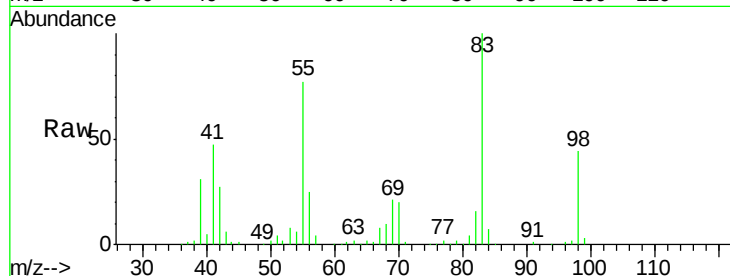




#39
Methvlcvclohexane
Concen: 20.669 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

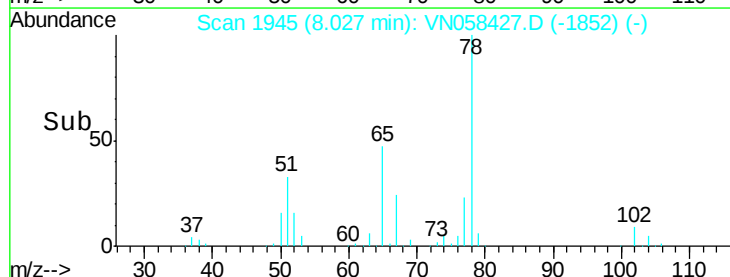
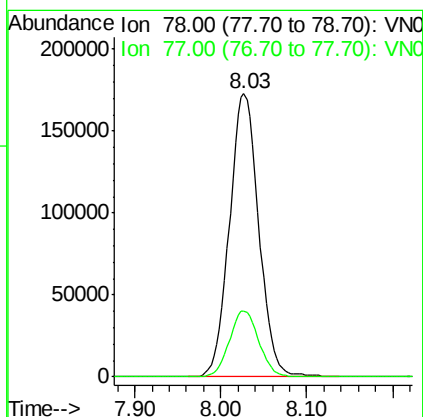
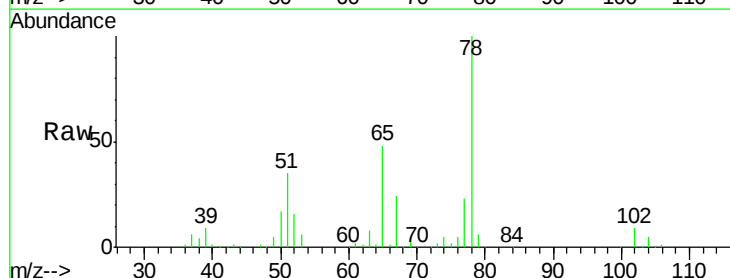
Instrument :
MSVOA_N
ClientSampled :

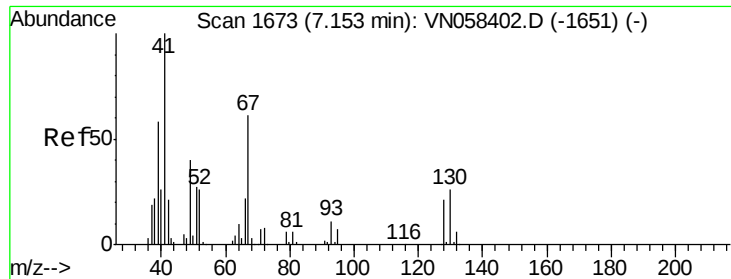
Tot Ion: 83 Resp: 167455
Ion Ratio Lower Upper
83 100
55 76.6 61.8 92.6
98 44.0 35.4 53.0



#40
Benzene
Concen: 20.533 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 78 Resp: 409470
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3

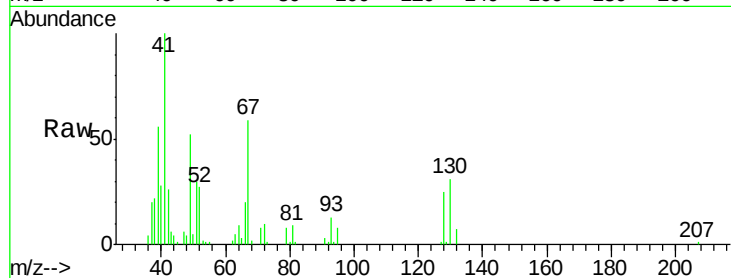




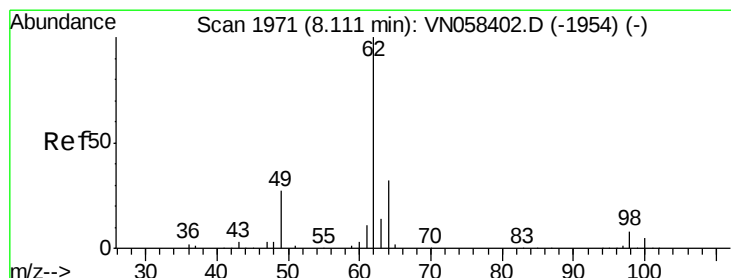
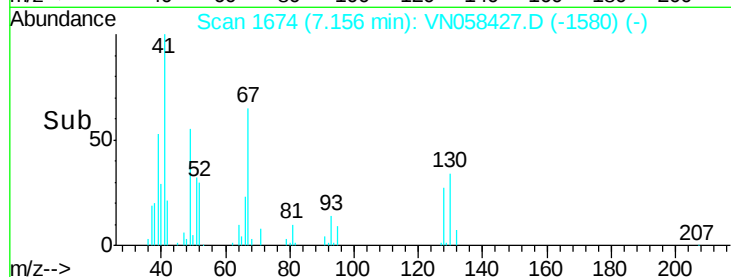
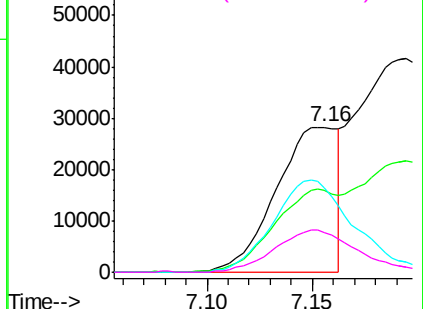
#41
Methacrylonitrile
Concen: 21.210 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 57392
Ion Ratio Lower Upper
41 100
39 58.0 50.2 75.4
67 83.9 70.2 105.4
52 38.9 31.4 47.0

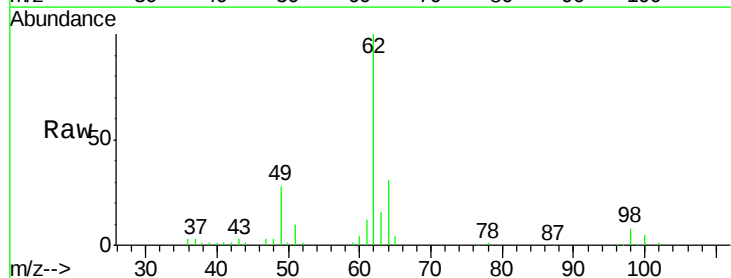


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

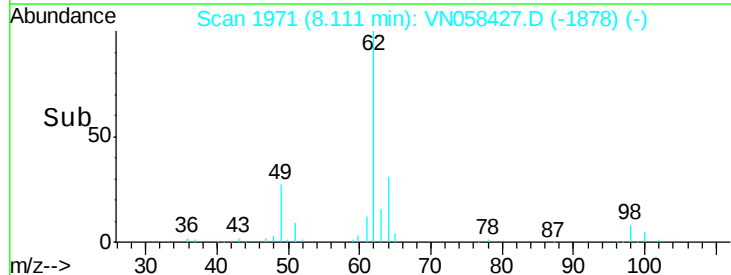
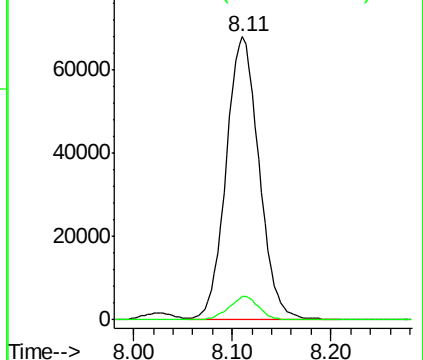


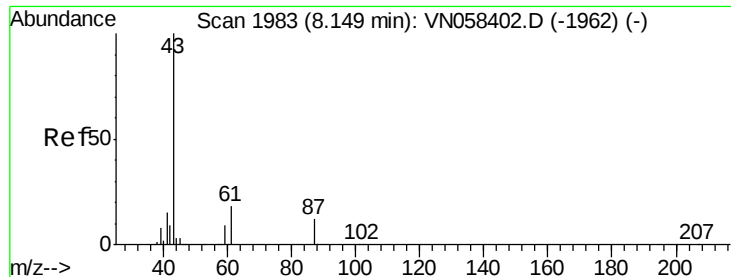
#42
1,2-Dichloroethane
Concen: 20.304 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 62 Resp: 157528
Ion Ratio Lower Upper
62 100
98 7.5 0.0 15.6



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



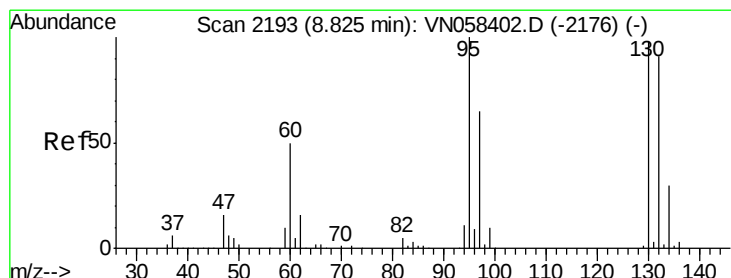
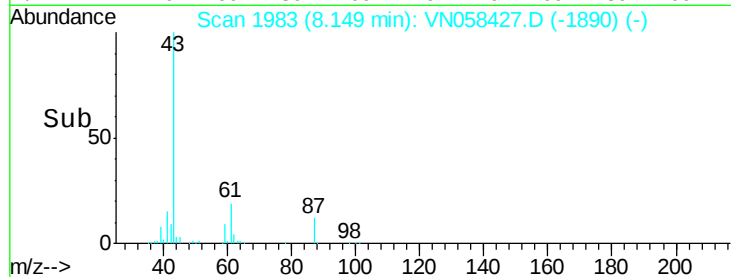
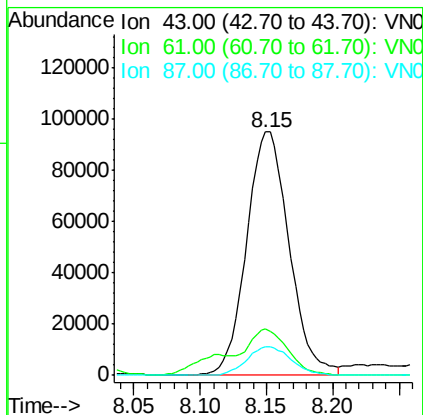
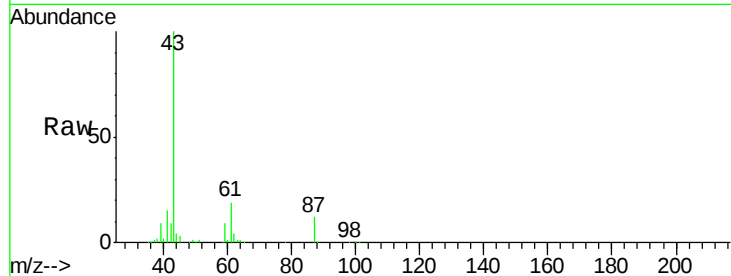


#43

Isopropyl Acetate
 Concen: 19.085 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :

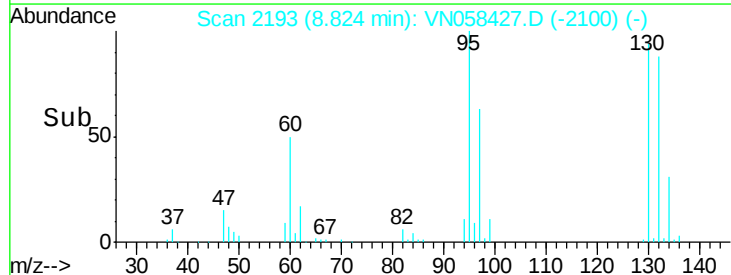
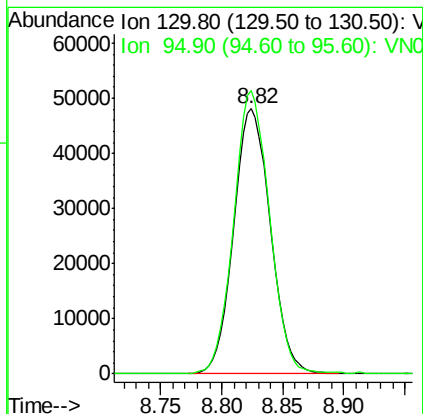
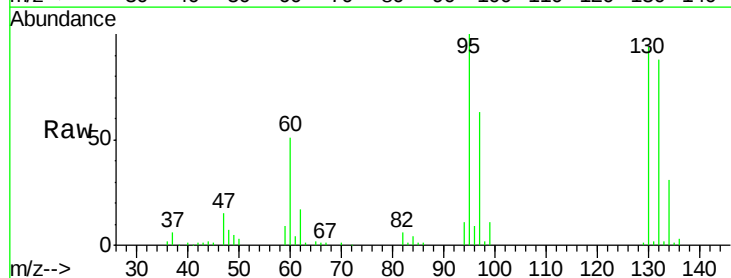
Tot Ion: 43 Resp: 211093
 Ion Ratio Lower Upper
 43 100
 61 17.4 14.8 22.2
 87 12.4 9.7 14.5

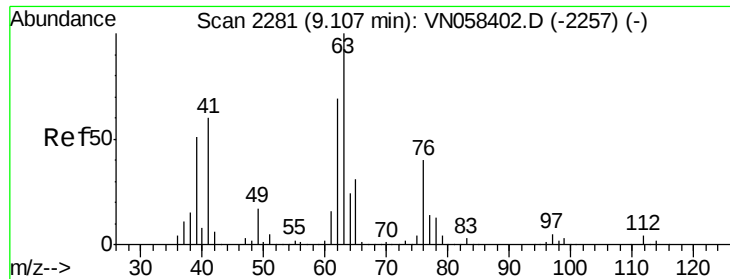


#44

Trichloroethene
 Concen: 20.371 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion: 130 Resp: 100308
 Ion Ratio Lower Upper
 130 100
 95 106.6 0.0 204.2

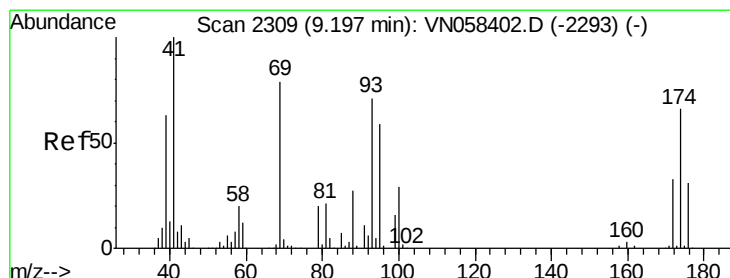
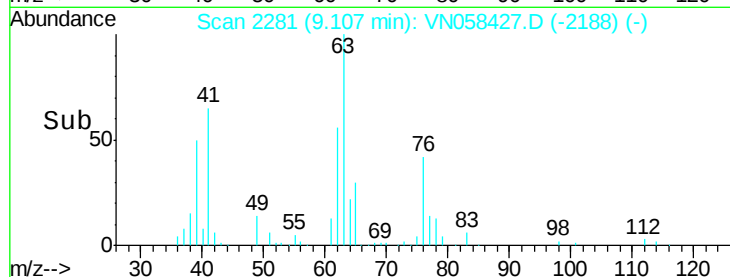
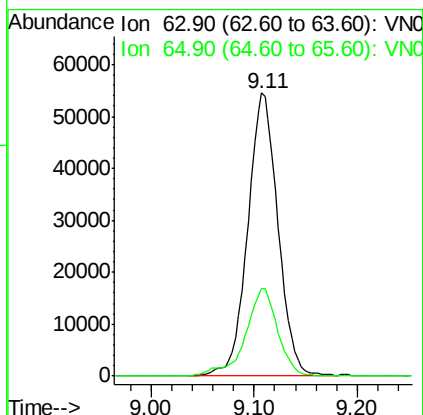
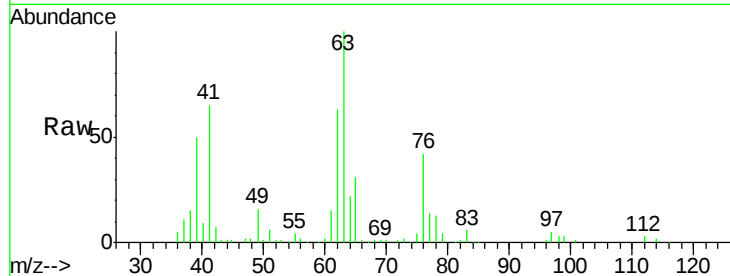




#45
 1,2-Dichloropropane
 Concen: 20.728 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

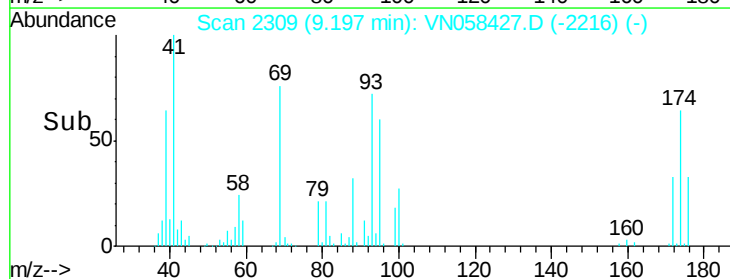
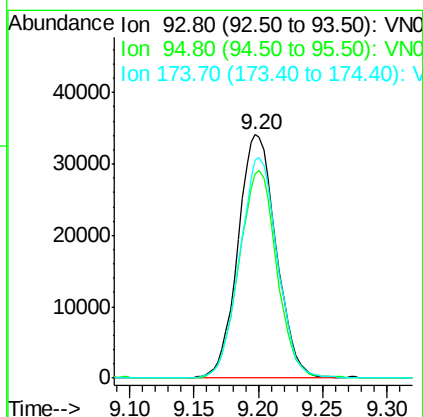
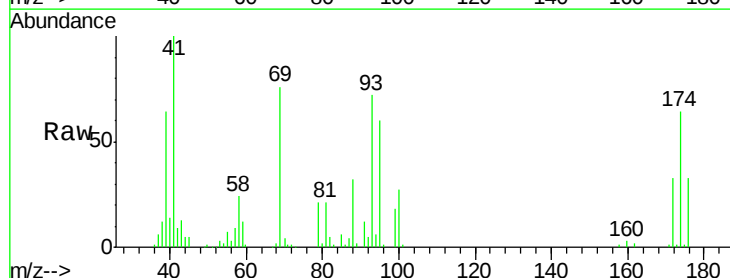
Instrument :
 MSVOA_N
 ClientSampled :

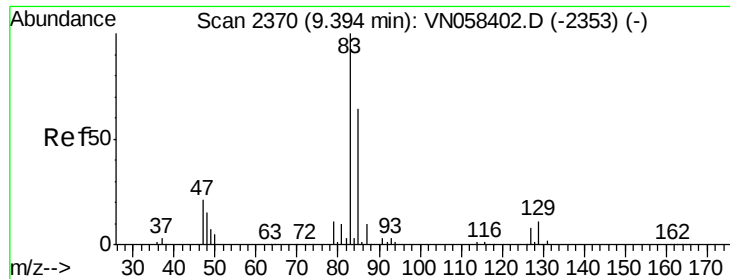
Tot Ion: 63 Resp: 110859
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4



#46
 Dibromomethane
 Concen: 20.713 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion: 93 Resp: 70155
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.0 100.4
 174 90.1 74.2 111.2





#47

Bromodichloromethane

Concen: 21.317 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

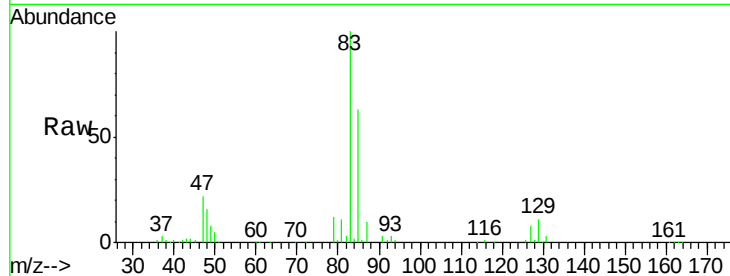
Tot Ion: 83 Resp: 136794

Ion Ratio Lower Upper

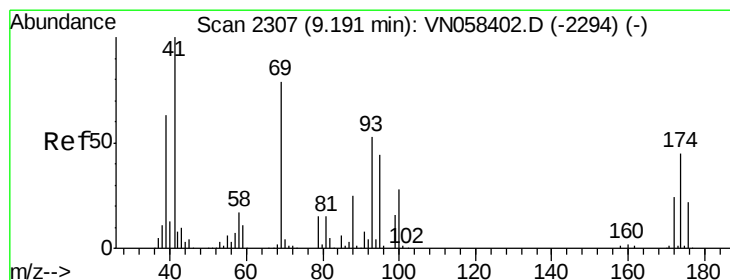
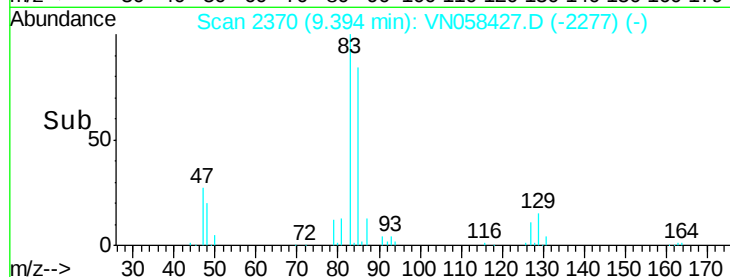
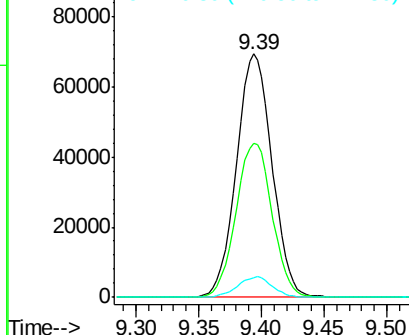
83 100

85 63.0 51.2 76.8

127 8.3 6.3 9.5



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



#48

Methyl methacrylate

Concen: 19.903 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

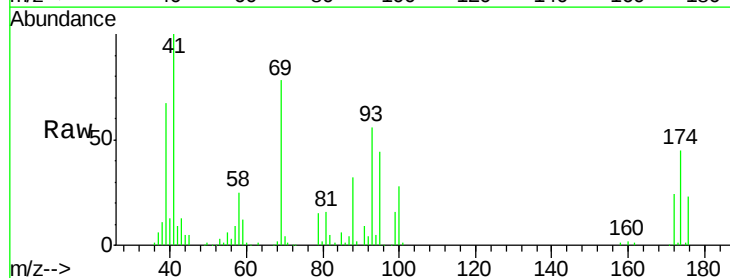
Tgt Ion: 41 Resp: 100240

Ion Ratio Lower Upper

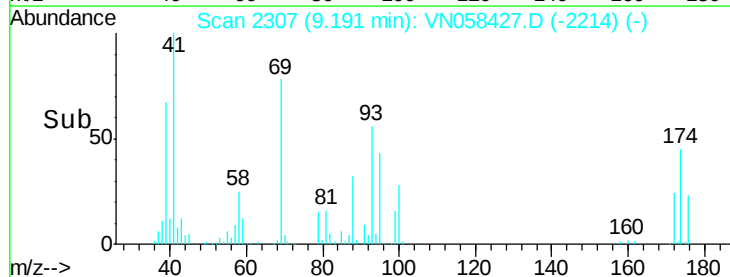
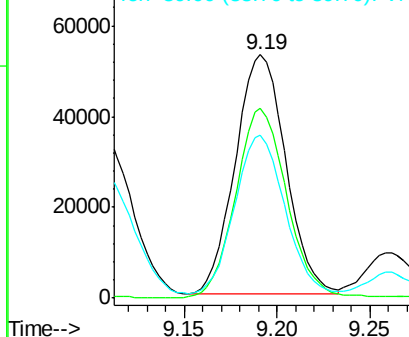
41 100

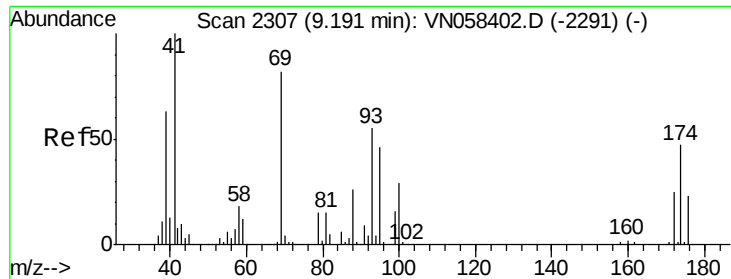
69 81.3 64.7 97.1

39 68.9 52.9 79.3



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

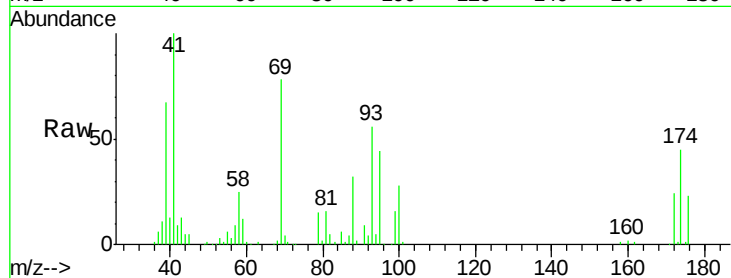




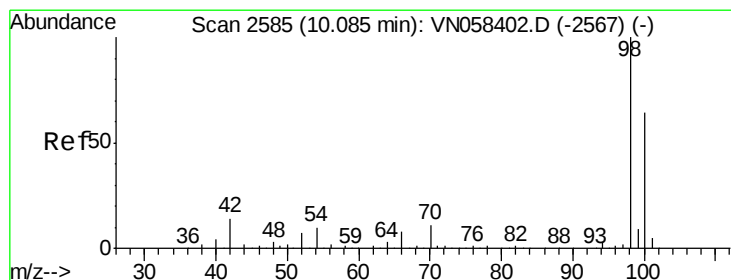
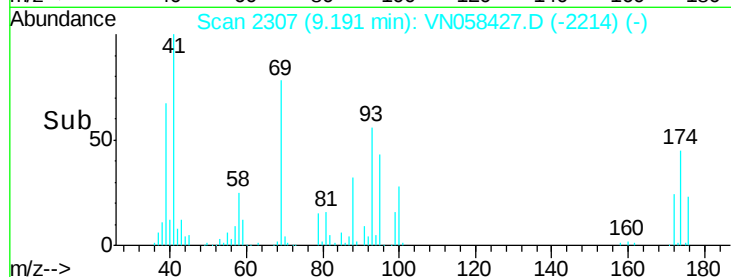
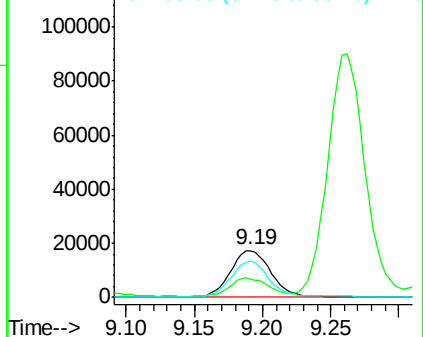
#49
 1,4-Dioxane
 Concen: 531.126 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 35768
 Ion Ratio Lower Upper
 88 100
 43 37.6 31.1 46.7
 58 72.4 58.1 87.1

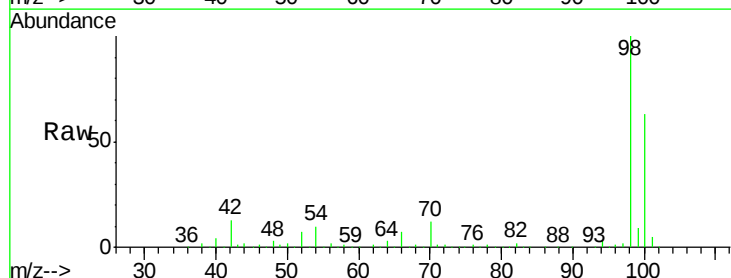


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

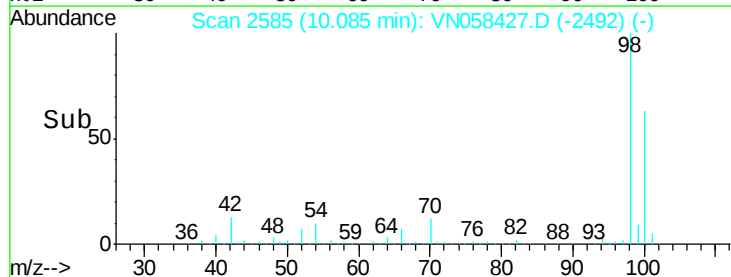
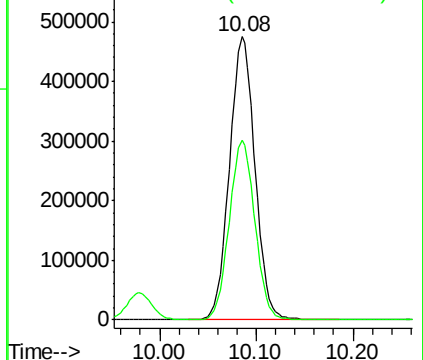


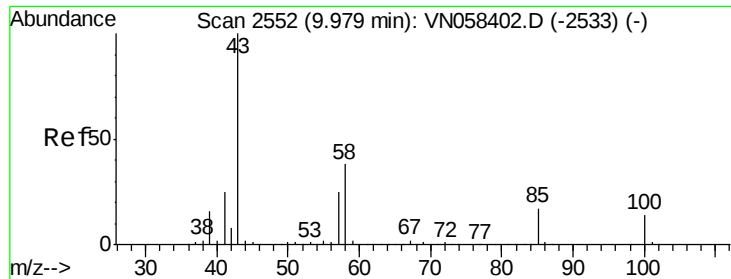
#50
 Toluene-d8
 Concen: 50.016 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion: 98 Resp: 871263
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.0 76.6



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: 111.175 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

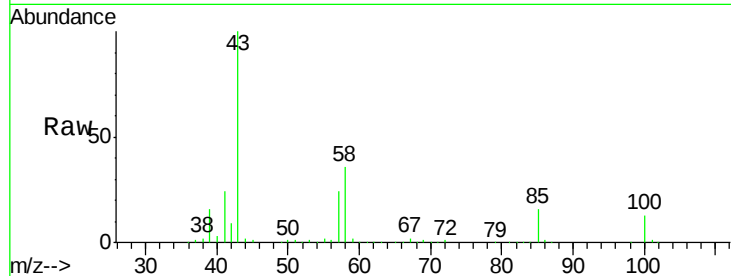
ClientSampleId :

Tot Ion: 43 Resp: 631639

Ion Ratio Lower Upper

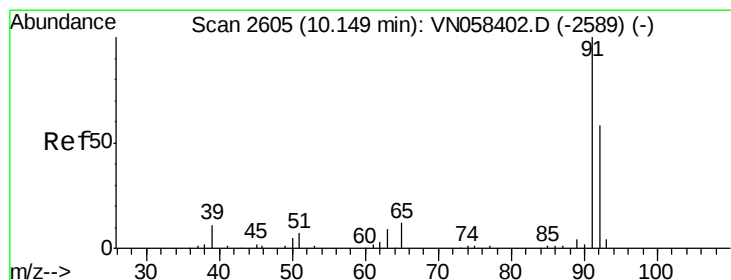
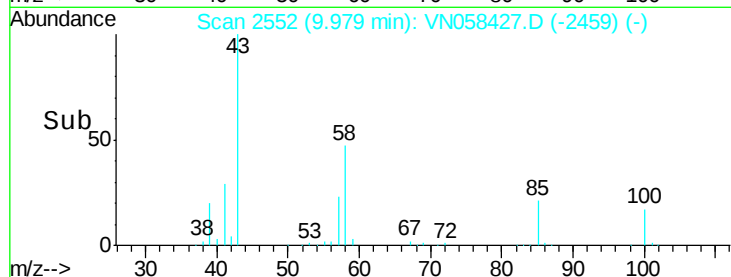
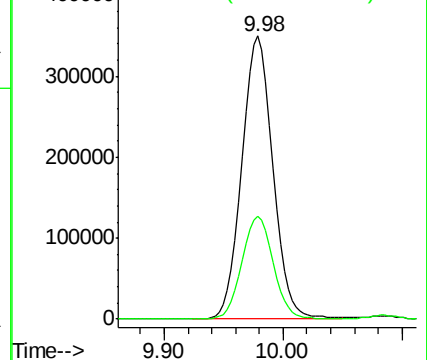
43 100

58 36.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.913 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058427.D

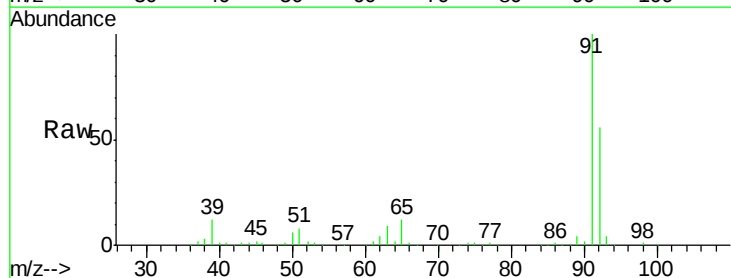
Acq: 30 Sep 2019 12:15

Tgt Ion: 92 Resp: 249951

Ion Ratio Lower Upper

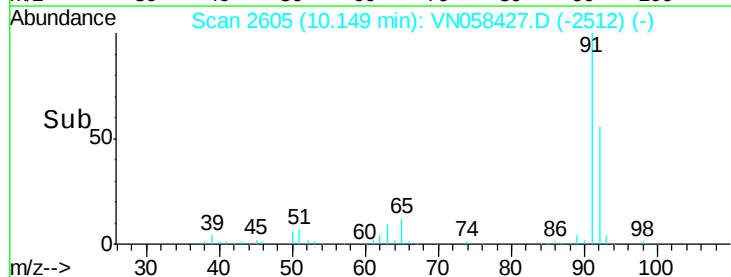
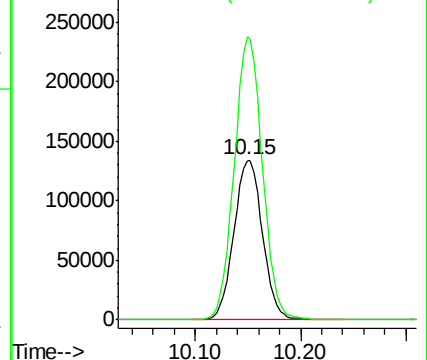
92 100

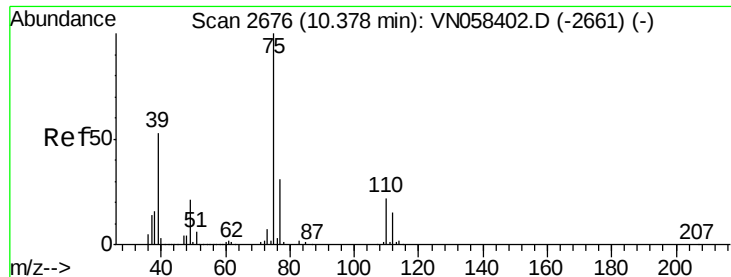
91 175.8 140.2 210.4



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: 20.493 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

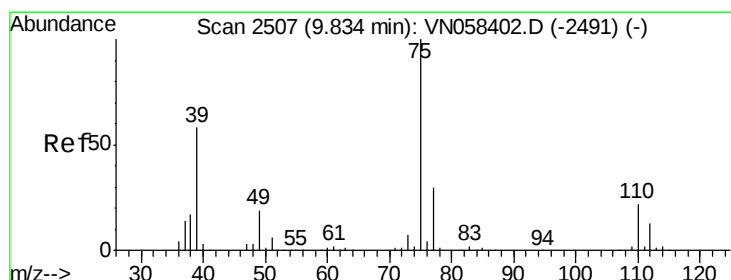
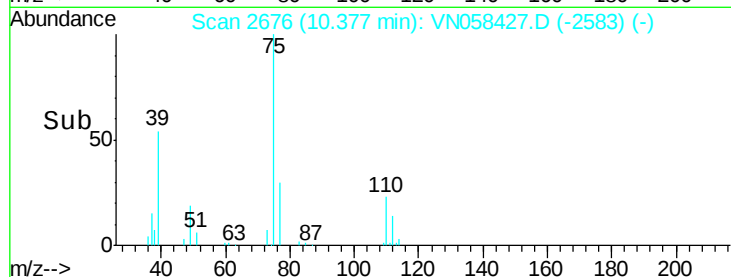
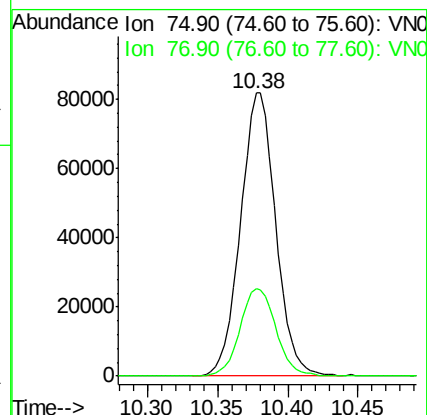
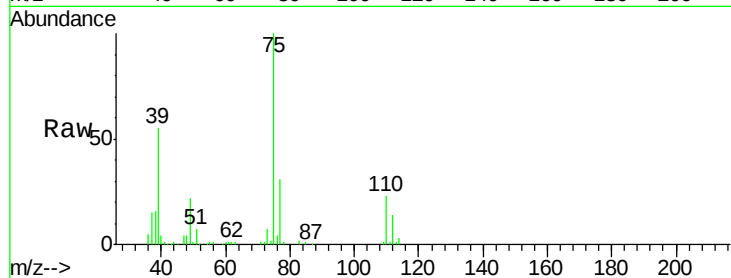
ClientSampleId :

Tot Ion: 75 Resp: 143139

Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.900 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

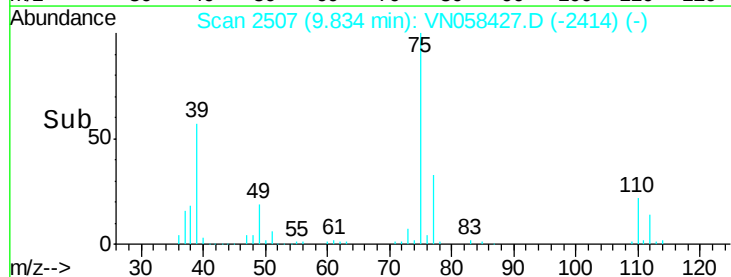
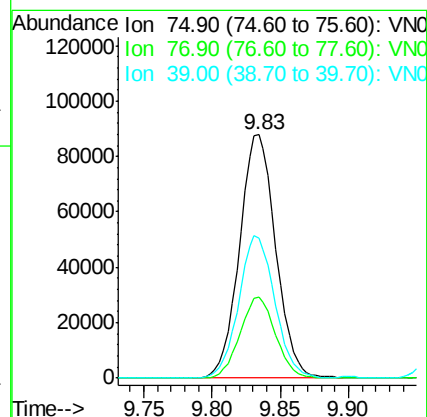
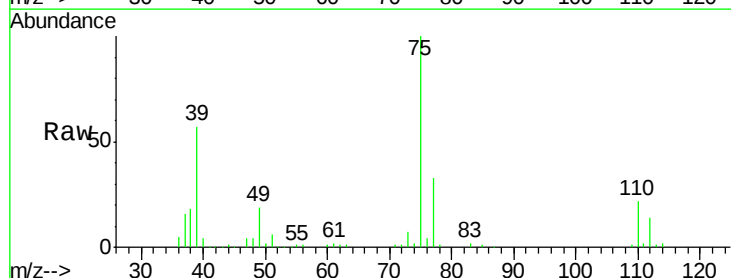
Tgt Ion: 75 Resp: 162044

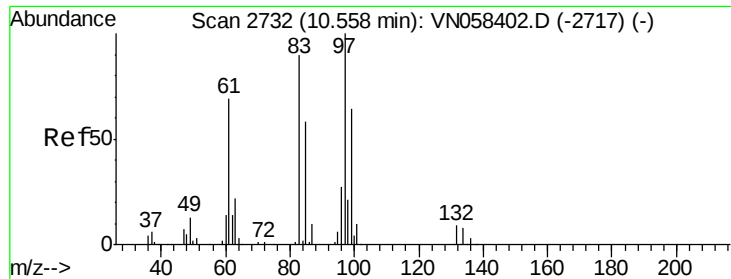
Ion Ratio Lower Upper

75 100

77 33.3 24.2 36.4

39 57.1 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 20.909 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 95561

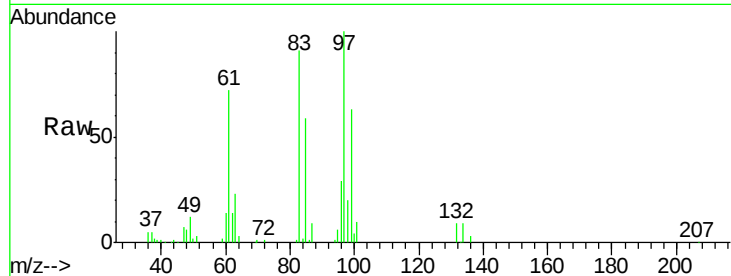
Ion Ratio Lower Upper

97 100

83 91.0 71.8 107.6

85 58.7 46.6 69.8

99 63.4 51.5 77.3

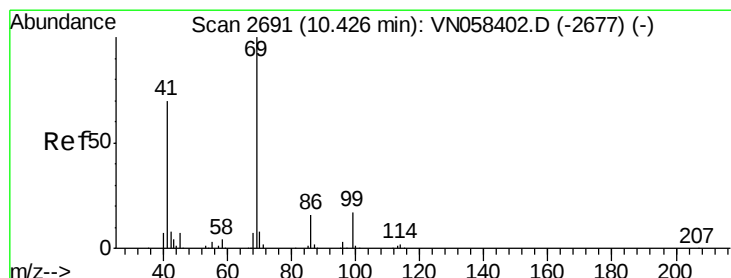
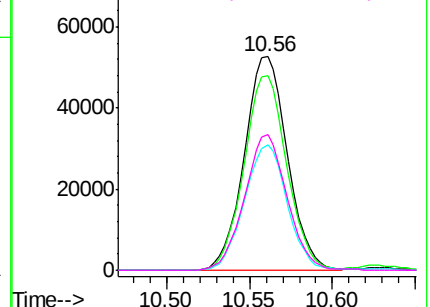
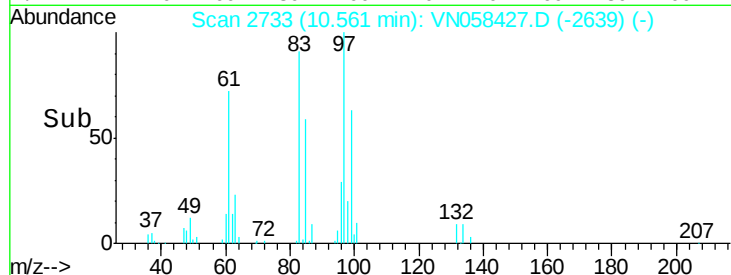


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 20.939 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

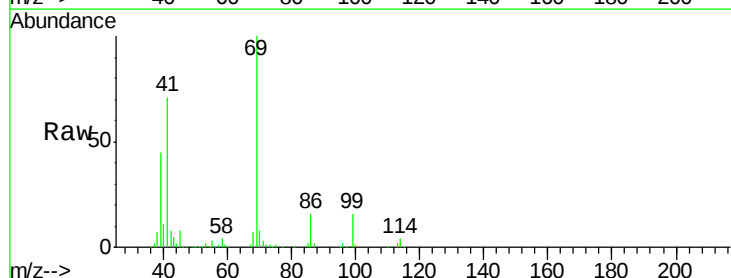
Tgt Ion: 69 Resp: 145217

Ion Ratio Lower Upper

69 100

41 70.3 56.3 84.5

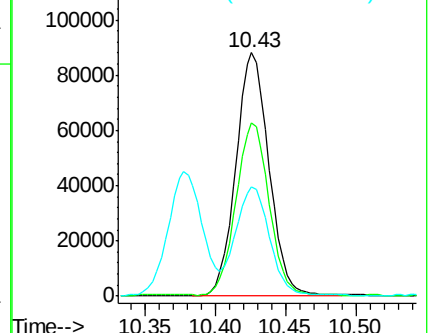
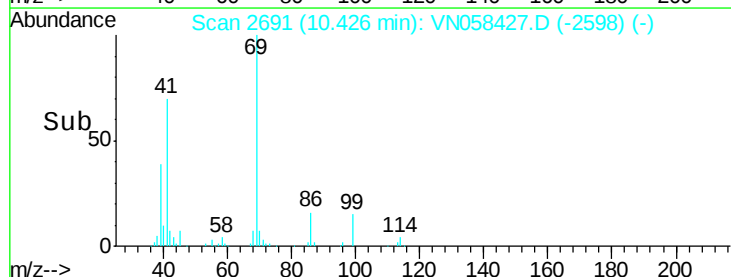
39 45.4 35.8 53.6

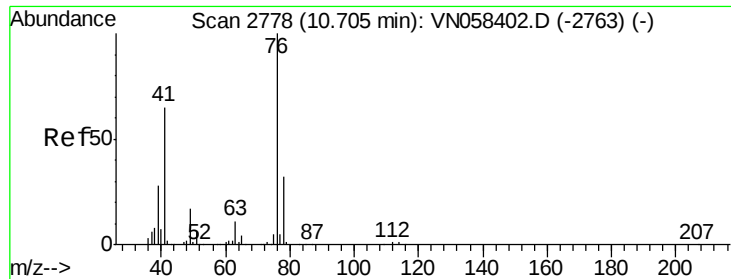


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

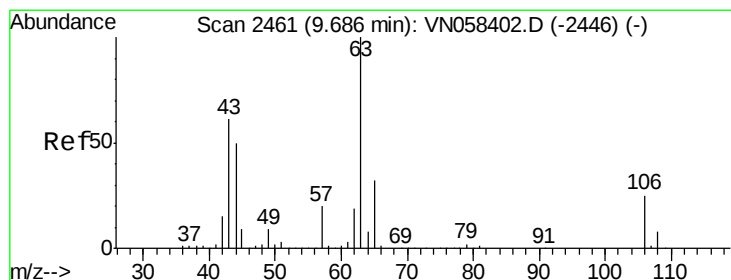
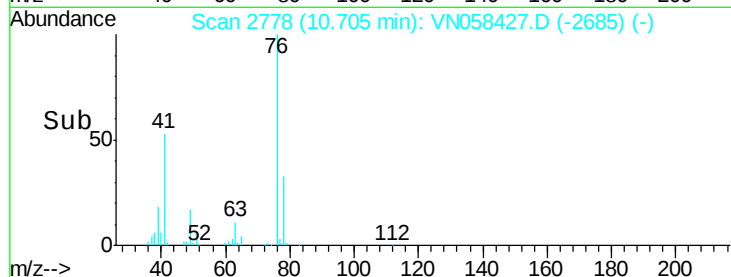
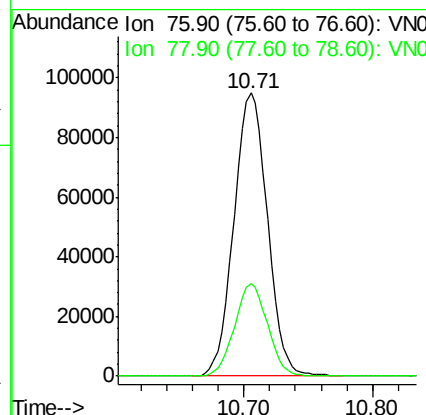
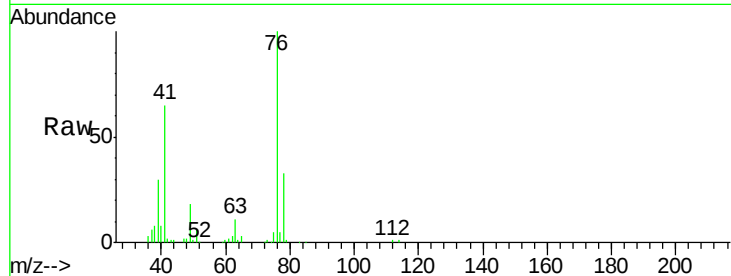




#57
 1,3-Dichloropropane
 Concen: 21.024 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

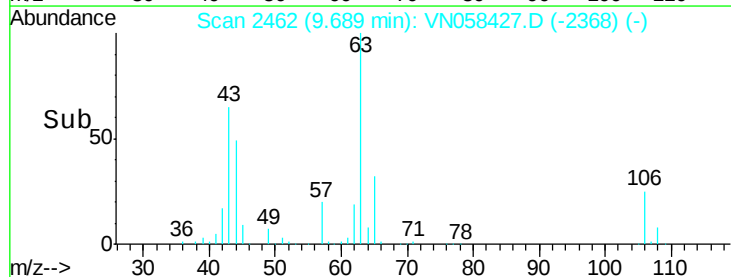
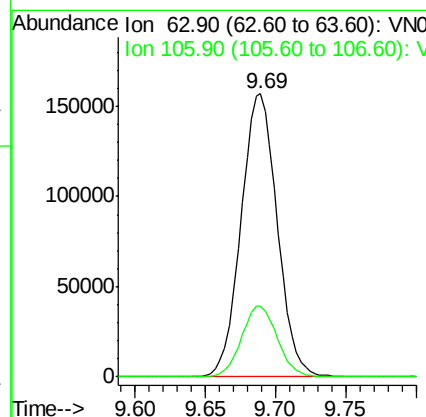
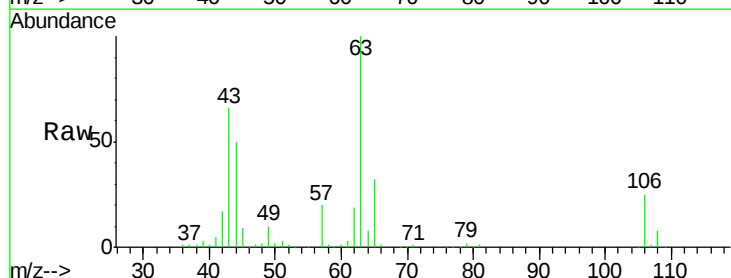
Instrument :
 MSVOA_N
 ClientSampled :

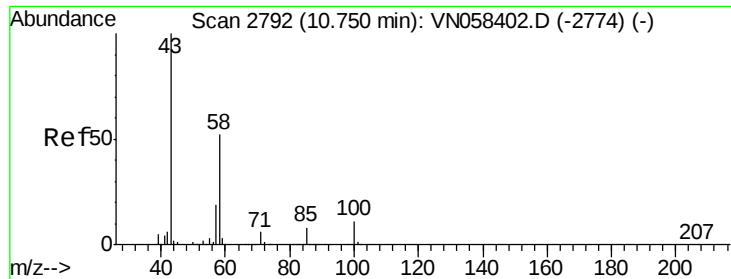
Tot Ion: 76 Resp: 171391
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.067 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion: 63 Resp: 282252
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.3 30.5

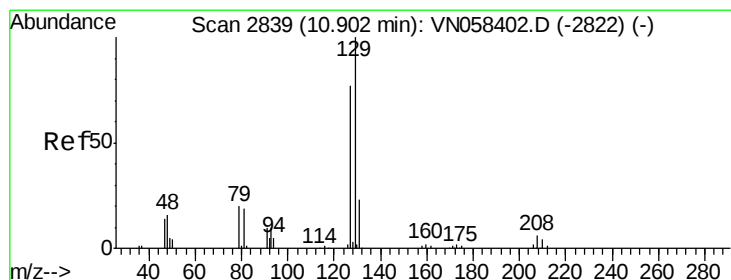
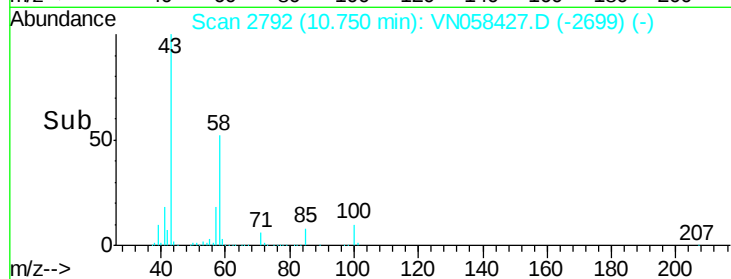
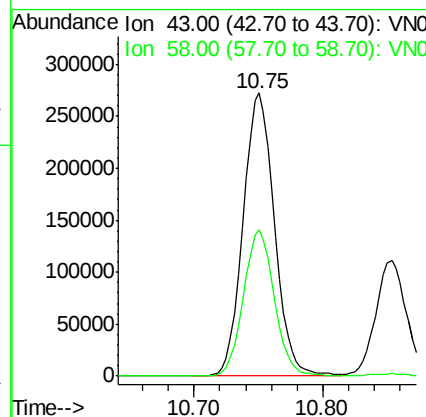
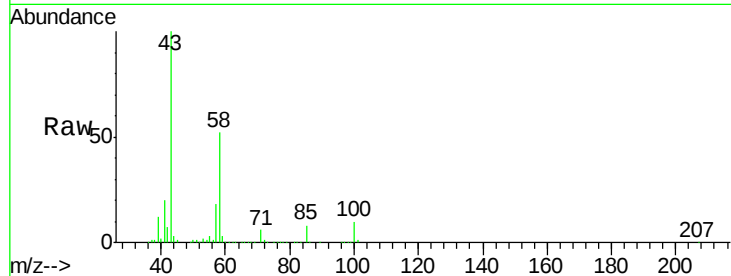




#59
2-Hexanone
Concen: 111.054 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

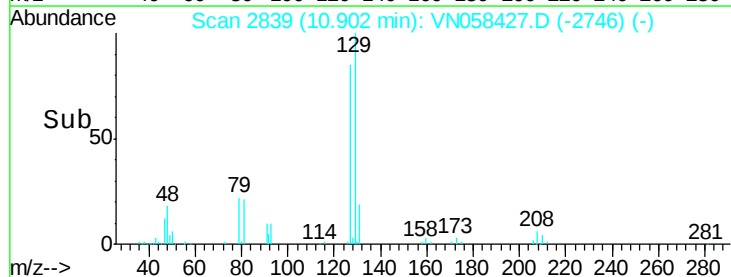
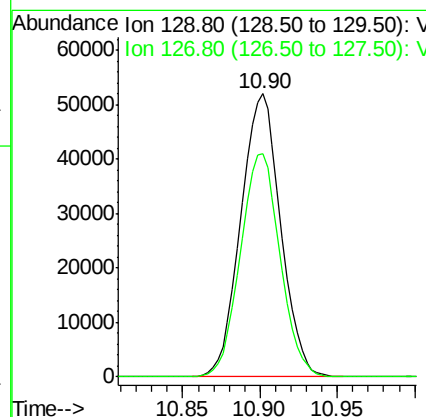
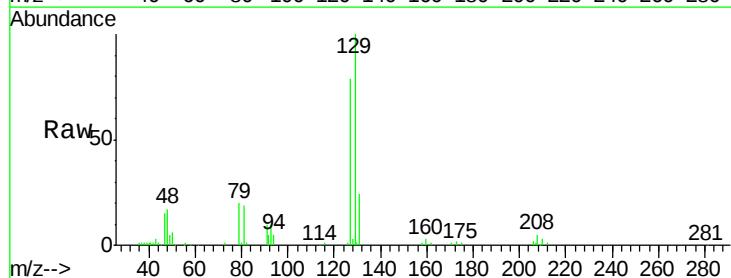
Instrument :
MSVOA_N
ClientSampleId :

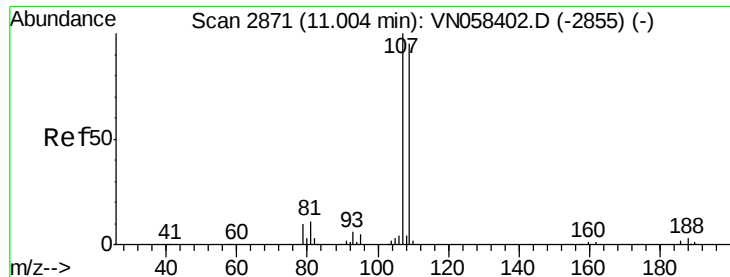
Tot Ion: 43 Resp: 459426
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.3



#60
Dibromochloromethane
Concen: 19.313 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 129 Resp: 93013
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.8

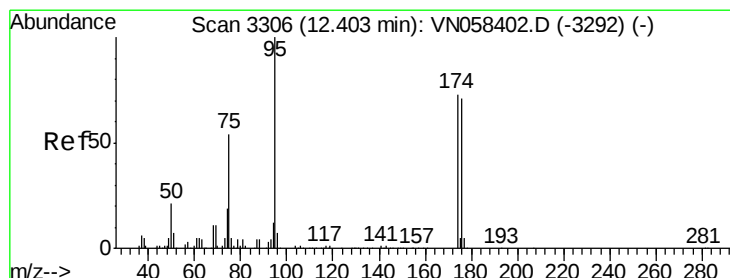
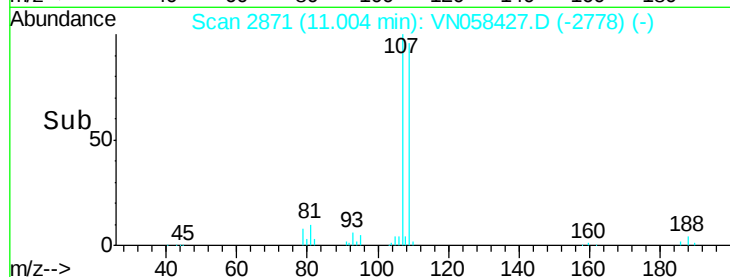
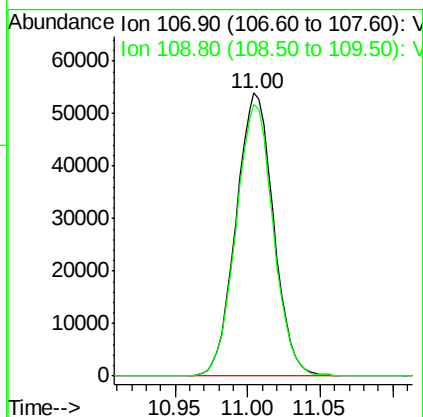
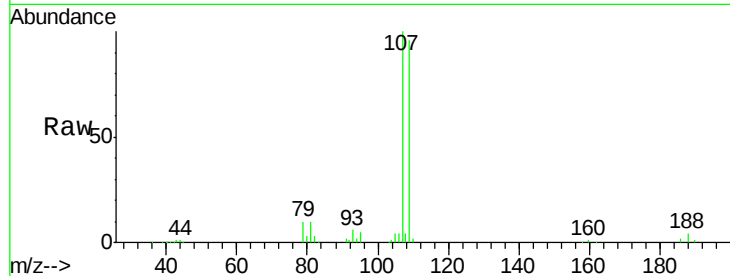




#61
 1,2-Dibromoethane
 Concen: 20.791 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

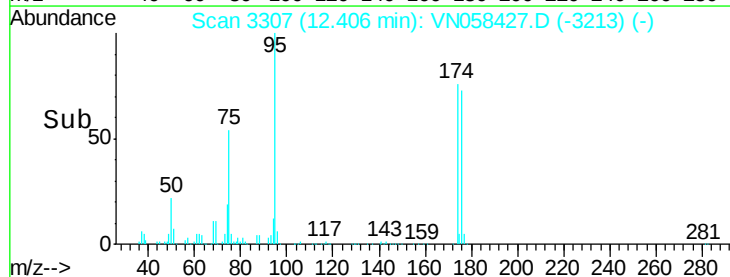
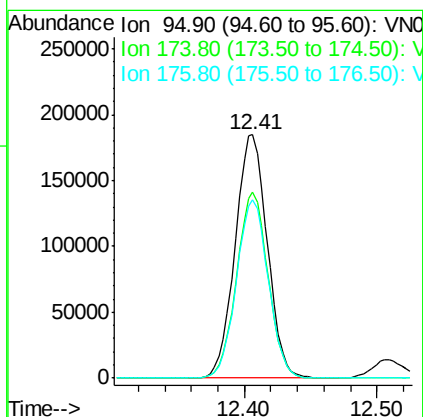
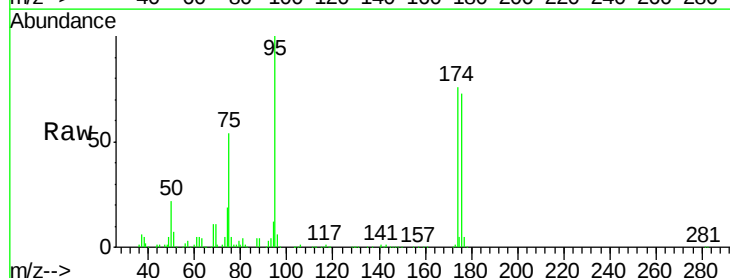
Instrument :
 MSVOA_N
 ClientSampleId :

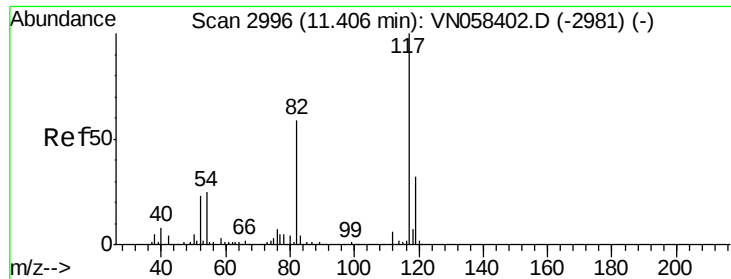
Tot Ion: 107 Resp: 97094
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 49.290 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion: 95 Resp: 310460
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 150.6
 176 72.5 0.0 146.2

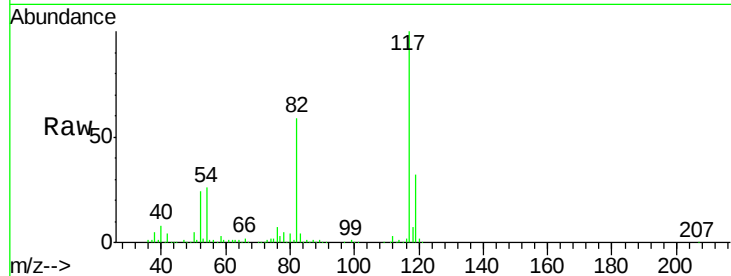




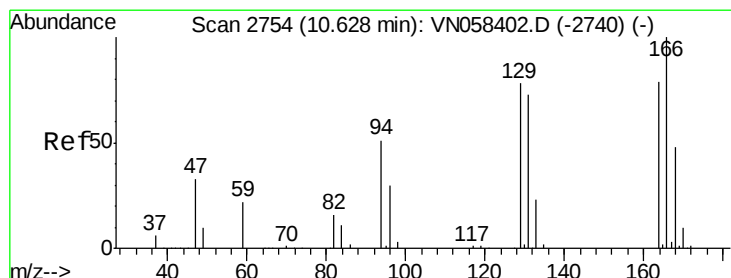
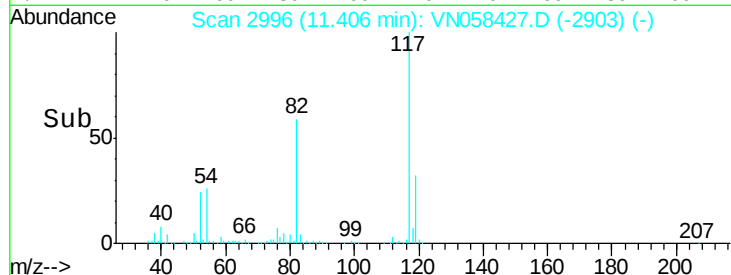
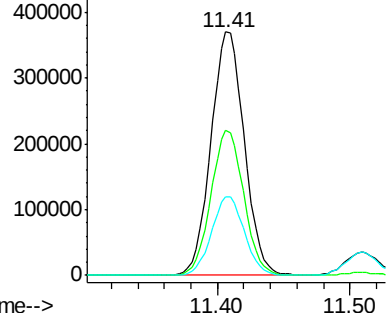
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 646265
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.0
119 32.3 25.5 38.3

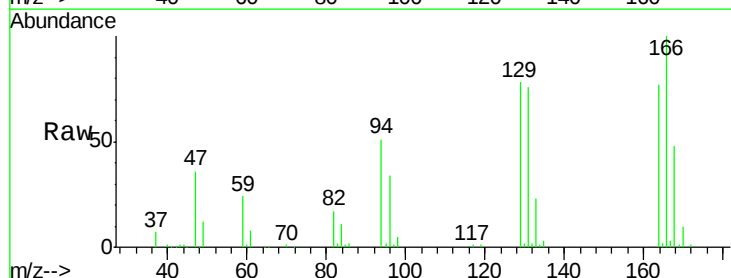


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

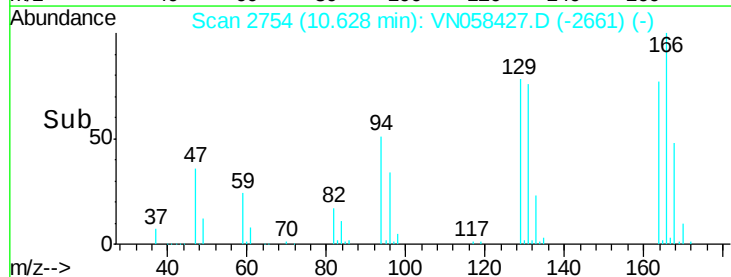
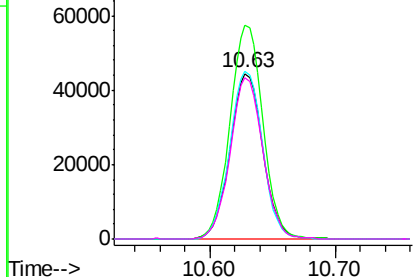


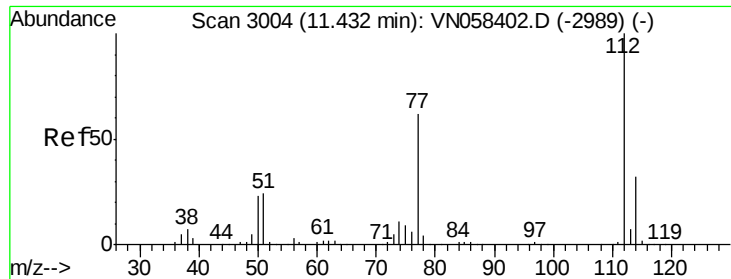
#64
Tetrachloroethene
Concen: 19.730 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion:164 Resp: 81009
Ion Ratio Lower Upper
164 100
166 129.3 101.1 151.7
129 101.2 79.2 118.8
131 98.0 74.1 111.1



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

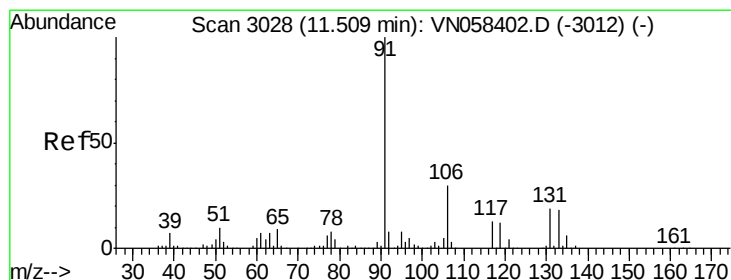
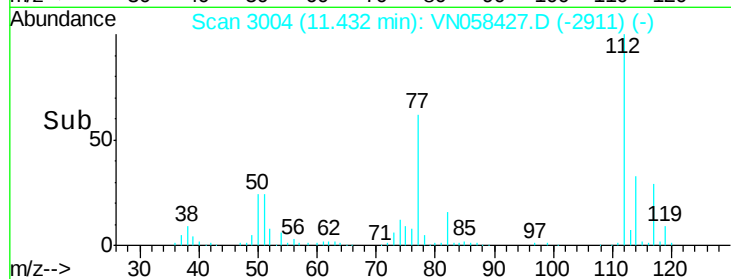
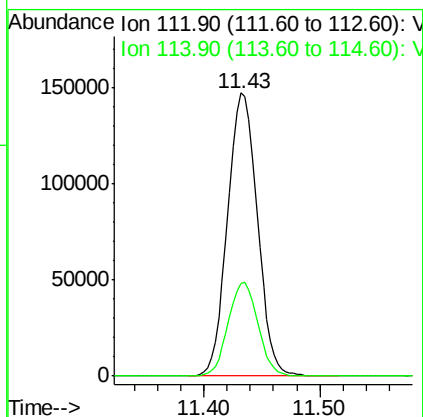
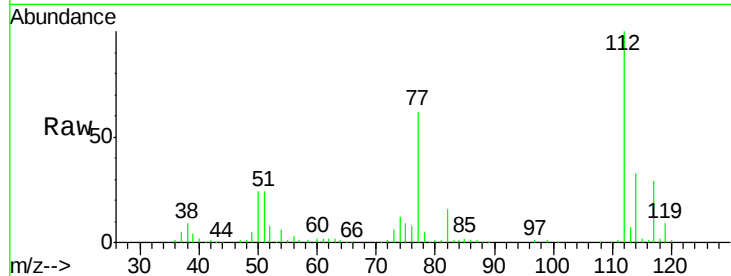




#65
Chlorobenzene
Concen: 20.422 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

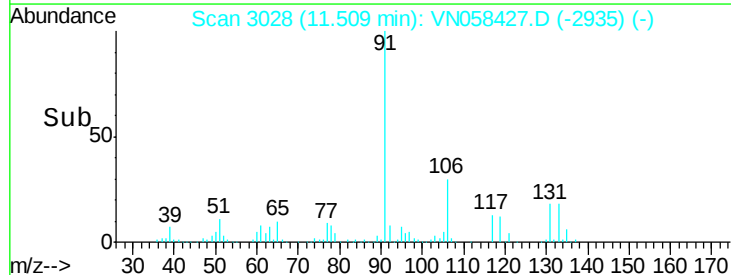
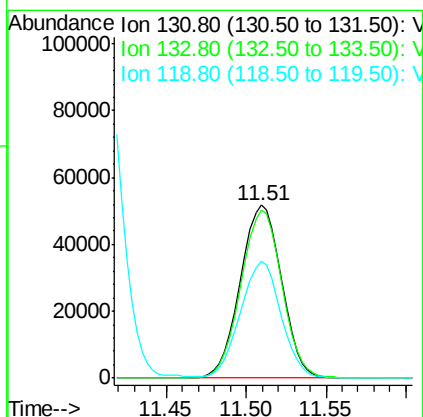
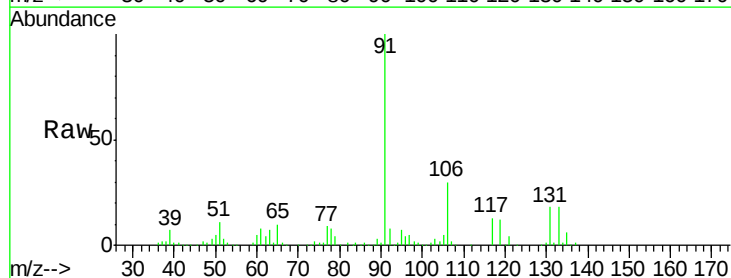
Instrument :
MSVOA_N
ClientSampled :

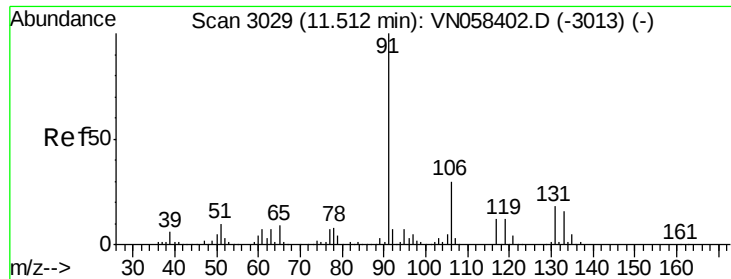
Tot Ion:112 Resp: 262345
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.084 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion:131 Resp: 91255
Ion Ratio Lower Upper
131 100
133 96.1 47.8 143.3
119 66.4 33.0 99.0

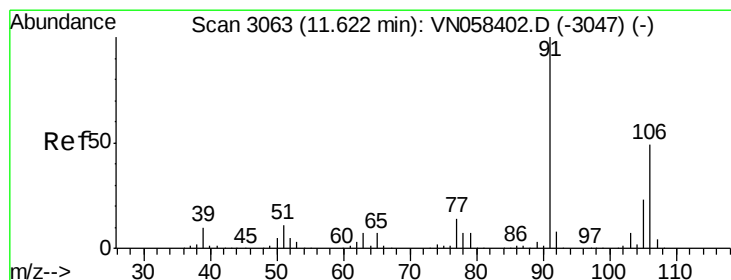
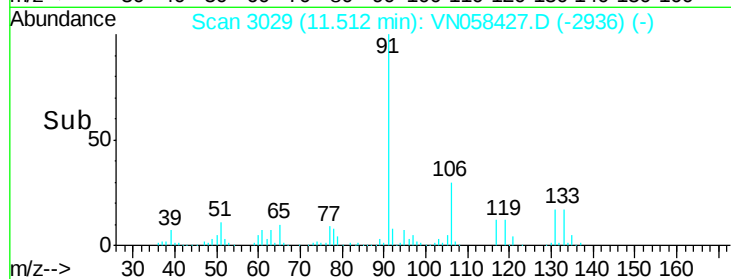
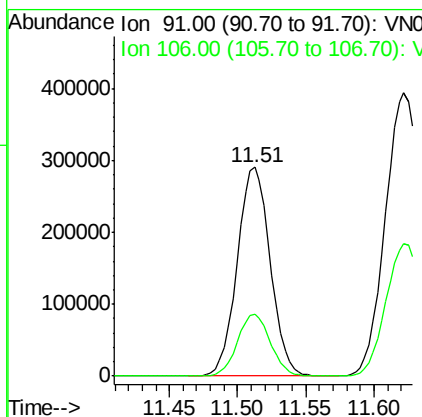
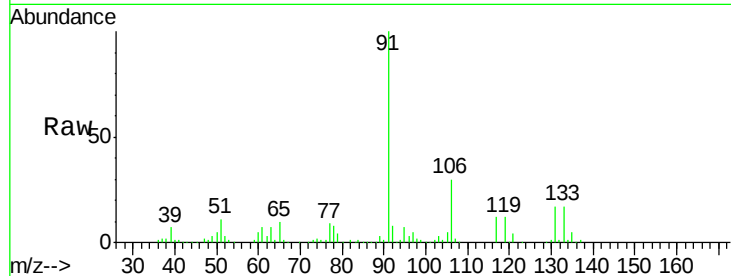




#67
Ethyl Benzene
Concen: 20.947 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

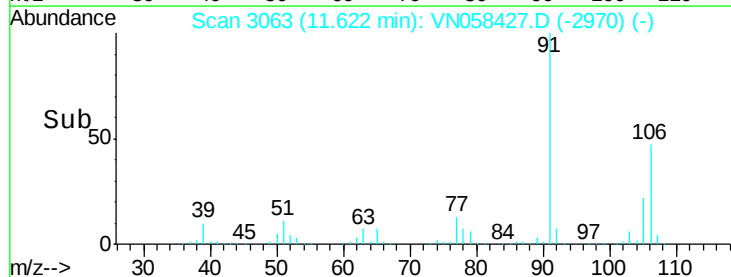
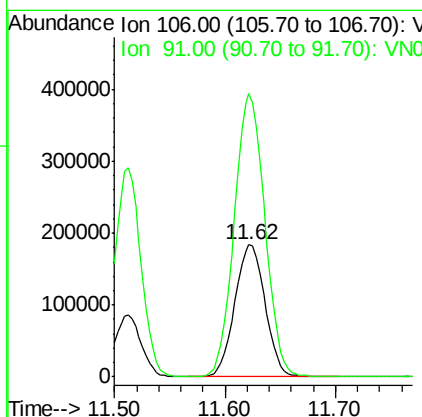
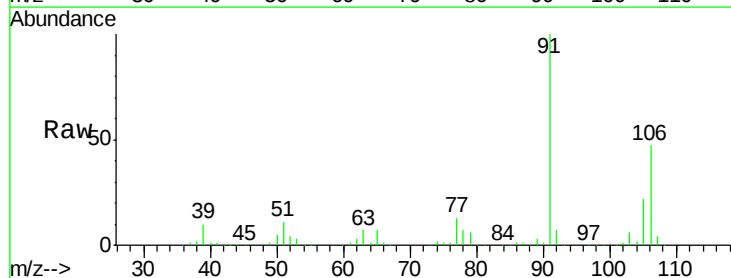
Instrument :
MSVOA_N
ClientSampled :

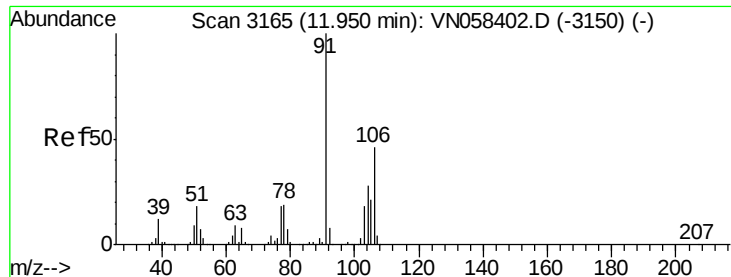
Tot Ion: 91 Resp: 487405
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5



#68
m/p-Xylenes
Concen: 40.051 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 106 Resp: 350629
Ion Ratio Lower Upper
106 100
91 215.1 165.0 247.4

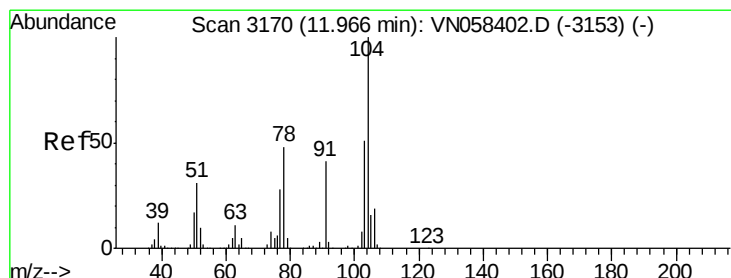
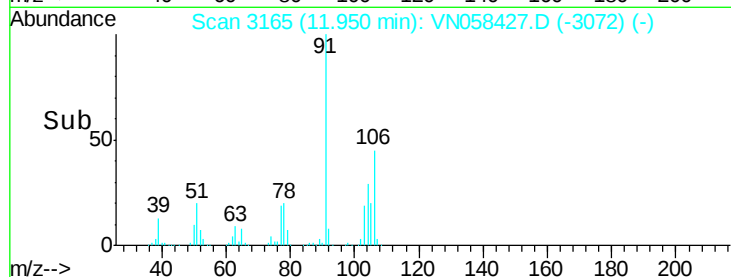
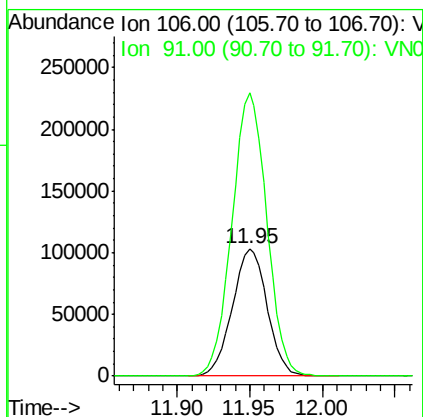
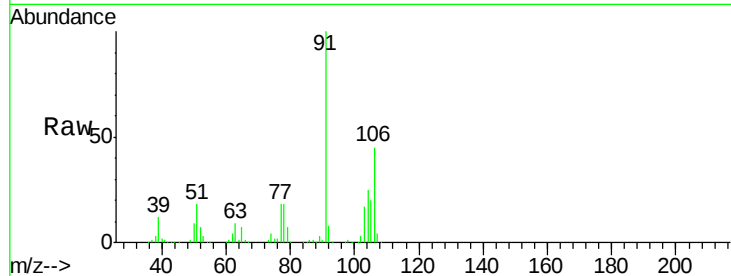




#69
o-Xylene
Concen: 20.334 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

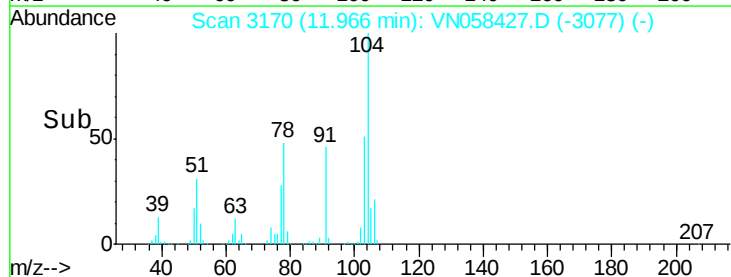
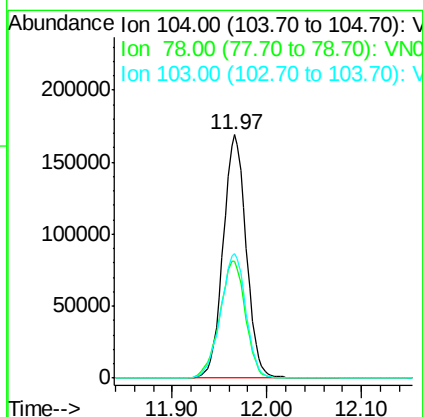
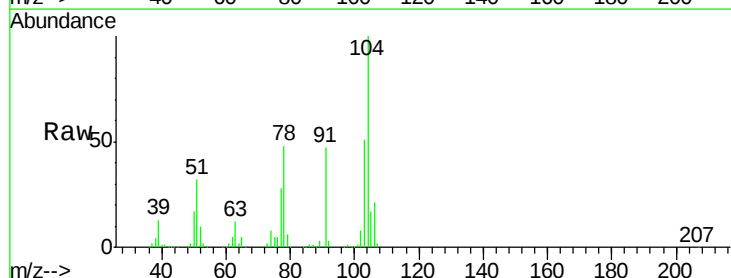
Instrument :
MSVOA_N
ClientSampled :

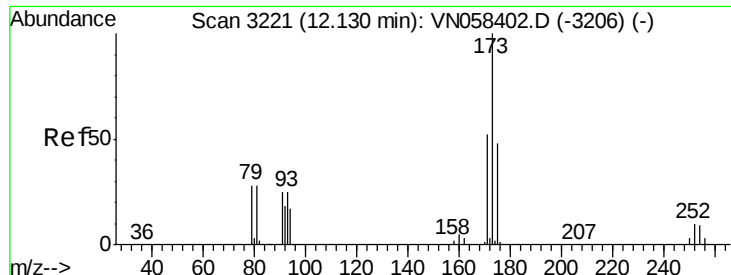
Tot Ion:106 Resp: 171367
Ion Ratio Lower Upper
106 100
91 222.4 109.1 327.4



#70
Styrene
Concen: 20.945 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion:104 Resp: 286762
Ion Ratio Lower Upper
104 100
78 53.7 42.8 64.2
103 55.9 43.7 65.5





#71

Bromoform

Concen: 19.597 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

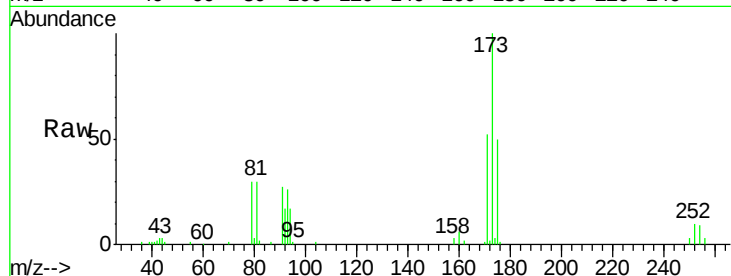
Tot Ion:173 Resp: 57334

Ion Ratio Lower Upper

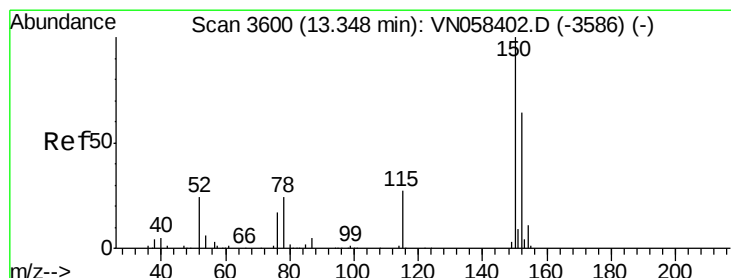
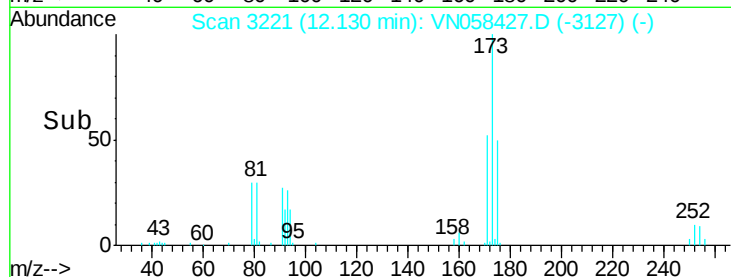
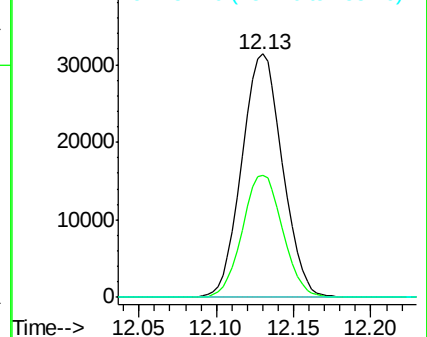
173 100

175 49.7 24.3 73.0

254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

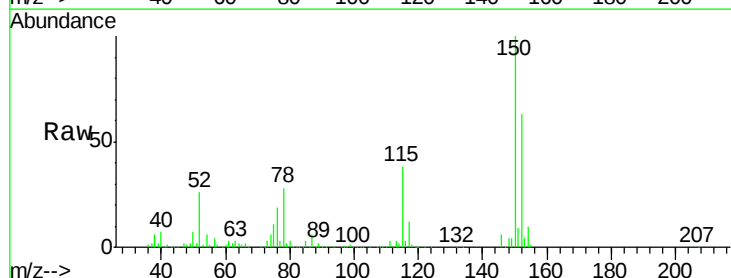
Tgt Ion:152 Resp: 299712

Ion Ratio Lower Upper

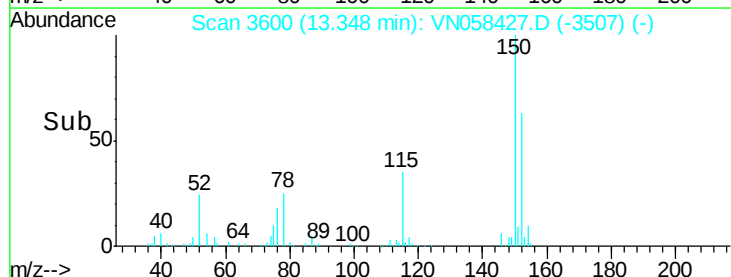
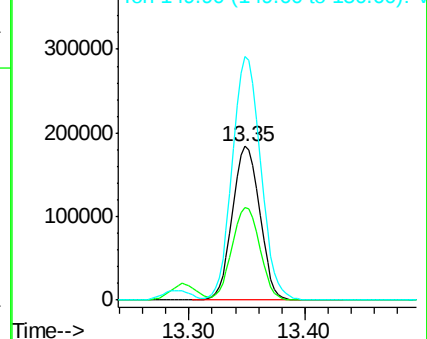
152 100

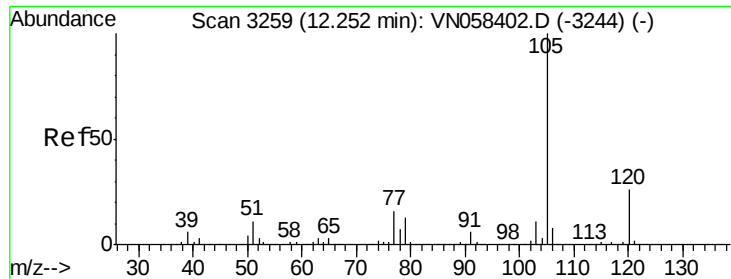
115 61.5 30.0 90.0

150 164.2 0.0 348.2



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





#73

Isopropylbenzene

Concen: 21.420 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

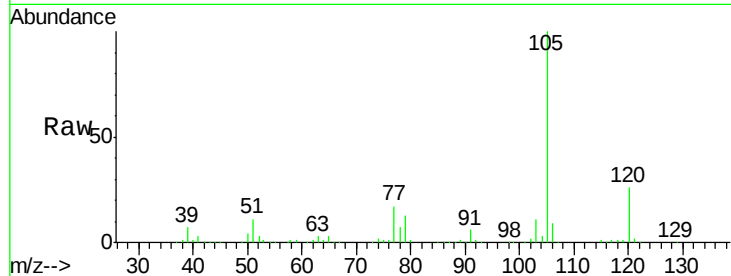
ClientSampleId :

Tot Ion:105 Resp: 474448

Ion Ratio Lower Upper

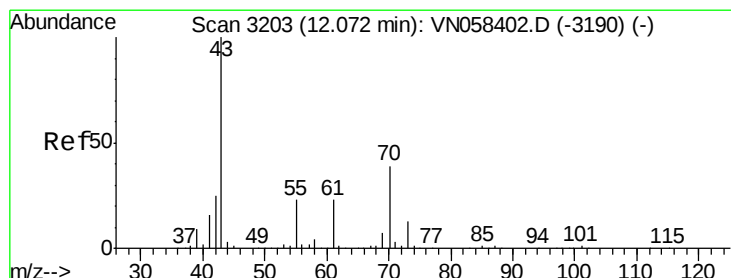
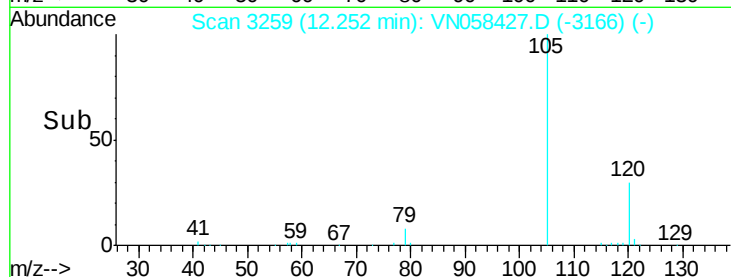
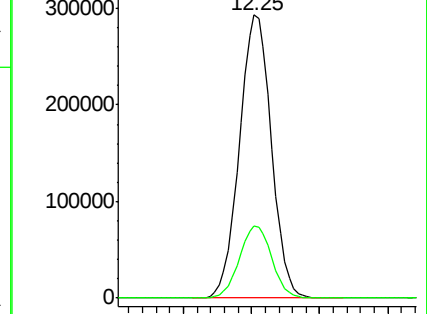
105 100

120 25.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.496 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Tgt Ion: 43 Resp: 180603

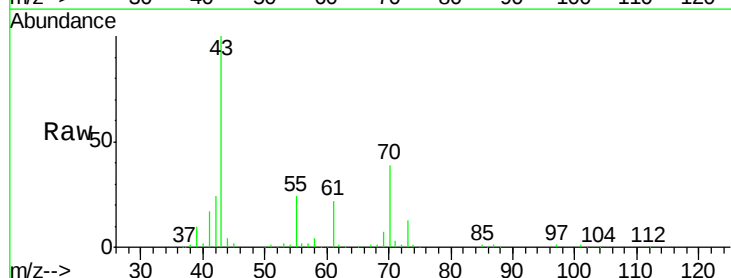
Ion Ratio Lower Upper

43 100

70 40.0 31.4 47.2

55 24.2 18.2 27.4

61 22.3 18.3 27.5

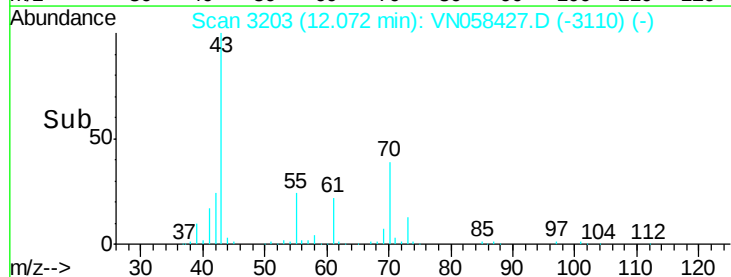
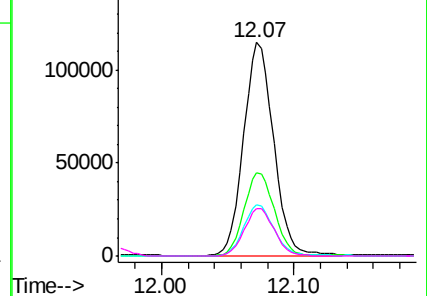


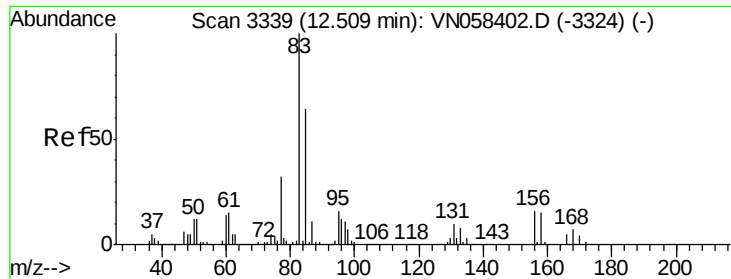
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.974 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

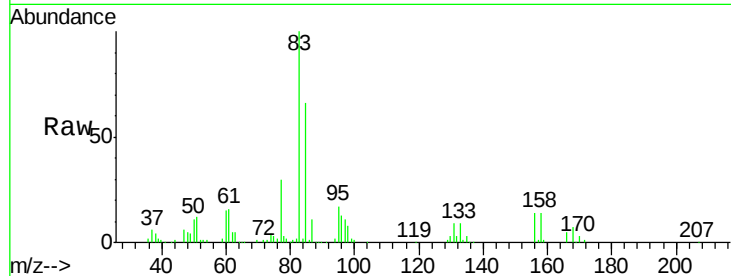
Tot Ion: 83 Resp: 137374

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

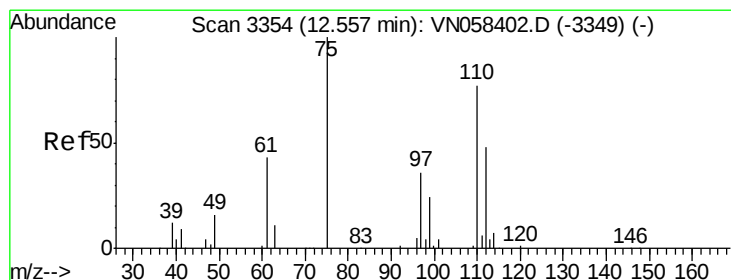
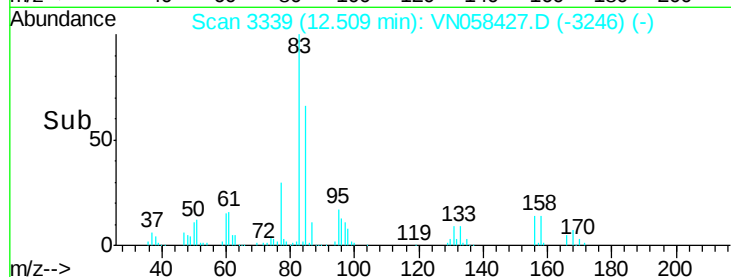
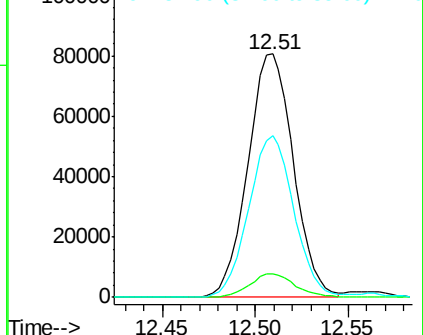
85 65.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.188 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058427.D

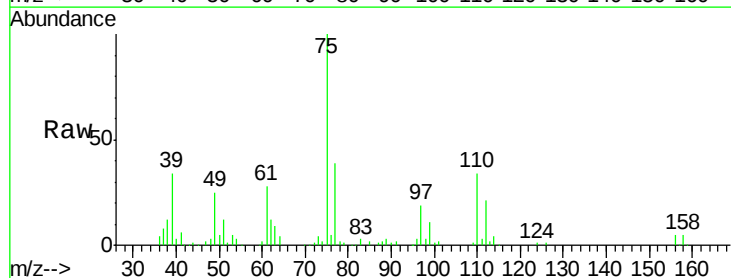
Acq: 30 Sep 2019 12:15

Tgt Ion: 75 Resp: 170730

Ion Ratio Lower Upper

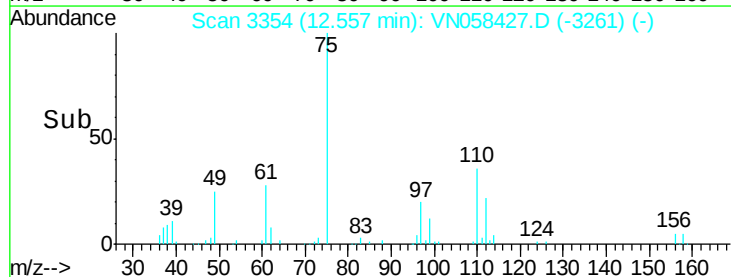
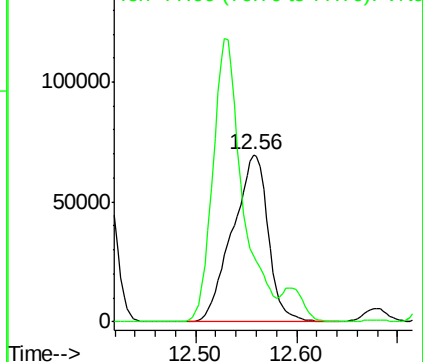
75 100

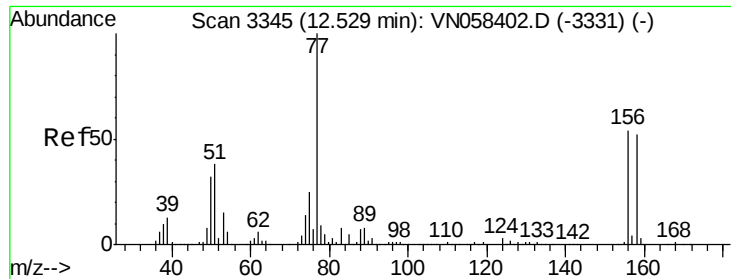
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.946 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

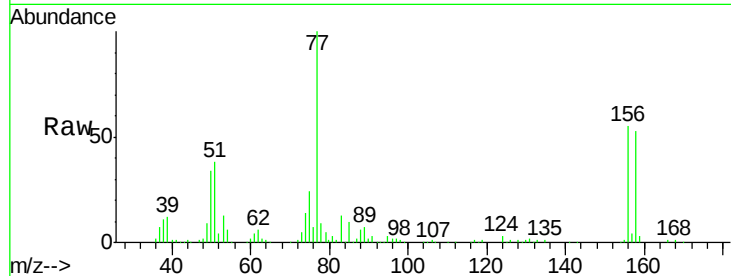
Tot Ion:156 Resp: 108783

Ion Ratio Lower Upper

156 100

77 221.3 110.0 330.0

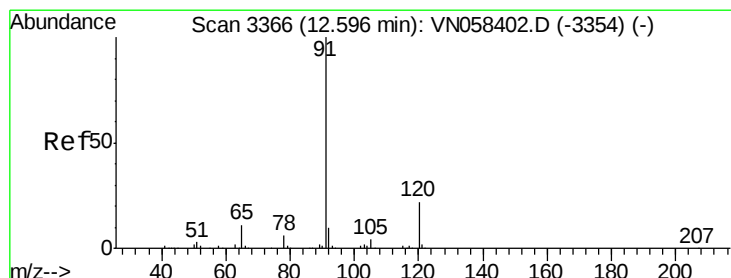
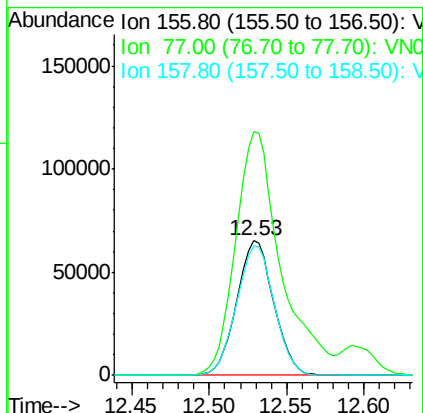
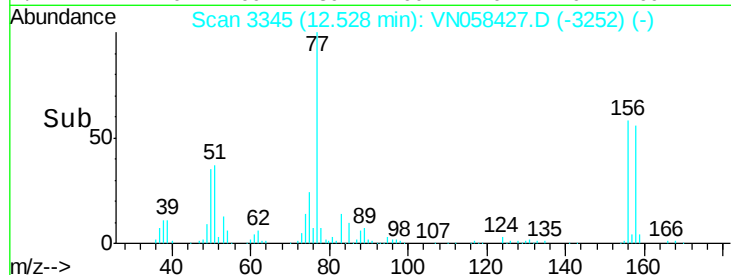
158 98.0 47.9 143.8



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: 21.825 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058427.D

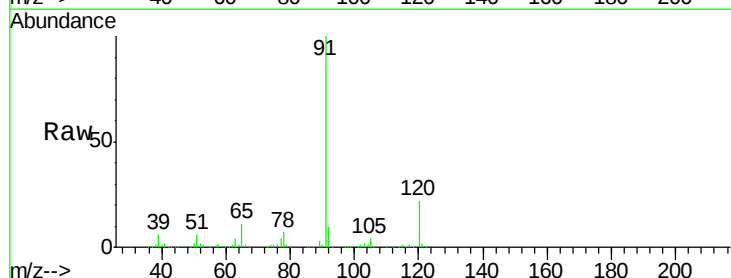
Acq: 30 Sep 2019 12:15

Tgt Ion: 91 Resp: 544606

Ion Ratio Lower Upper

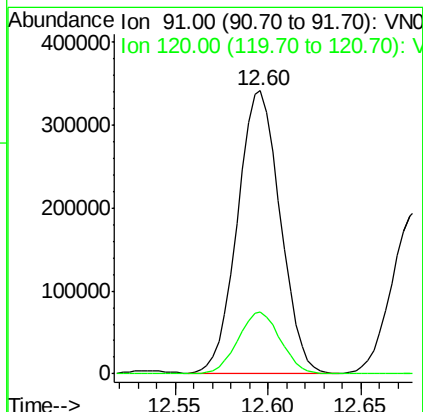
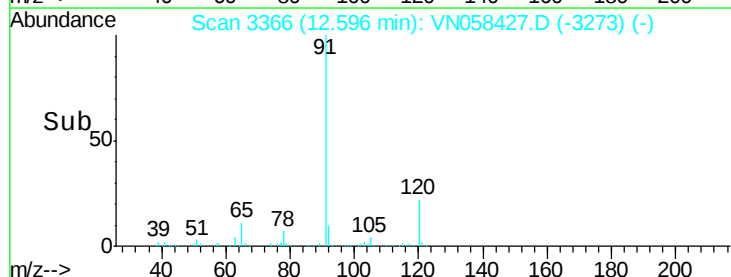
91 100

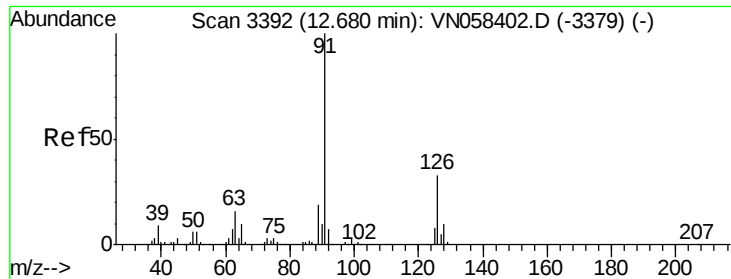
120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.807 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

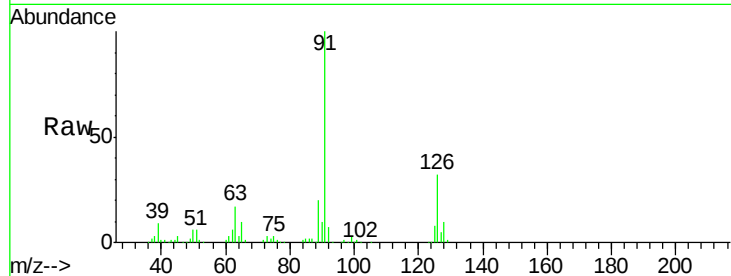
ClientSampleId :

Tot Ion: 91 Resp: 320480

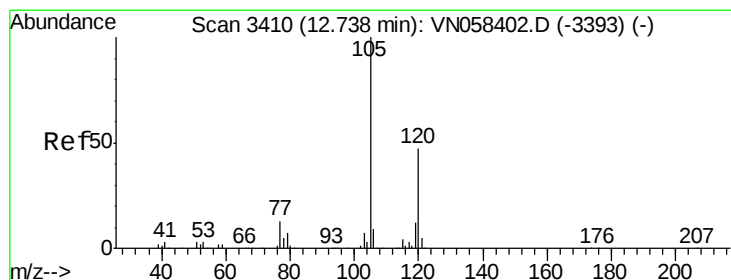
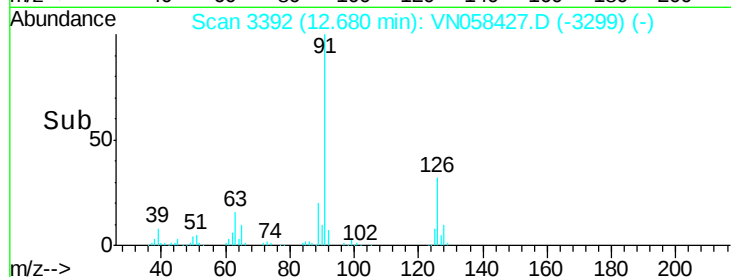
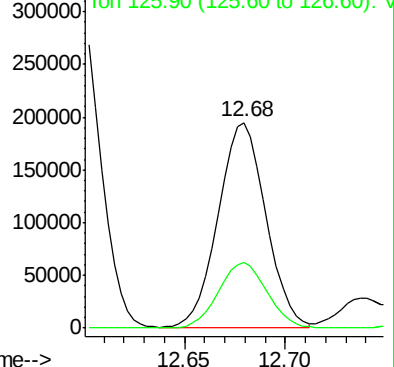
Ion Ratio Lower Upper

91 100

126 32.7 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058427.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.397 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058427.D

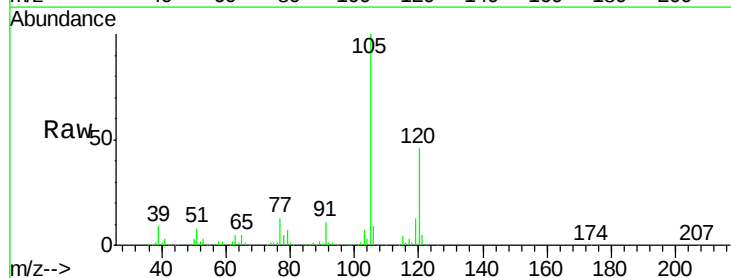
Acq: 30 Sep 2019 12:15

Tgt Ion:105 Resp: 396720

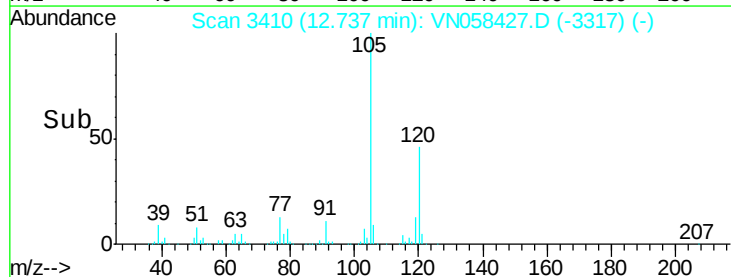
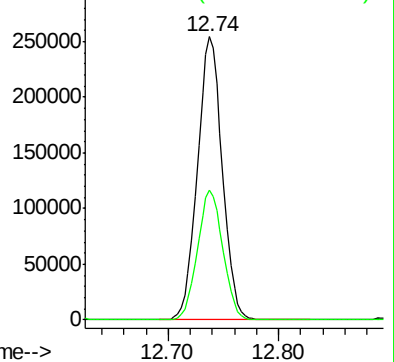
Ion Ratio Lower Upper

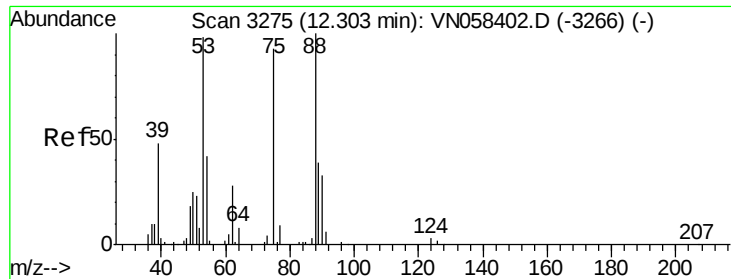
105 100

120 46.7 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058427.D (-3317) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.397 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

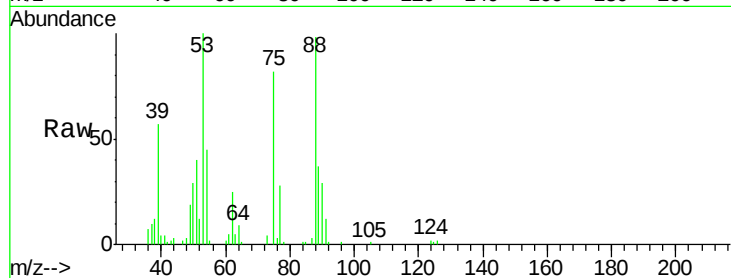
Tot Ion: 75 Resp: 34963

Ion Ratio Lower Upper

75 100

53 119.2 85.4 128.0

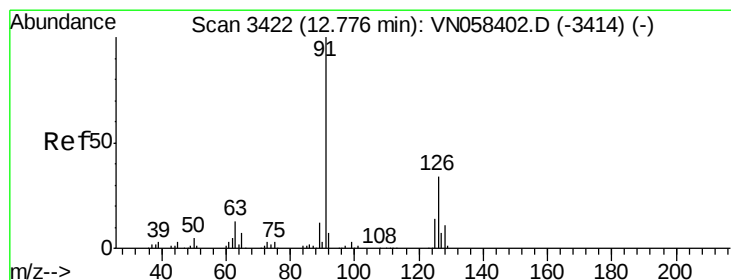
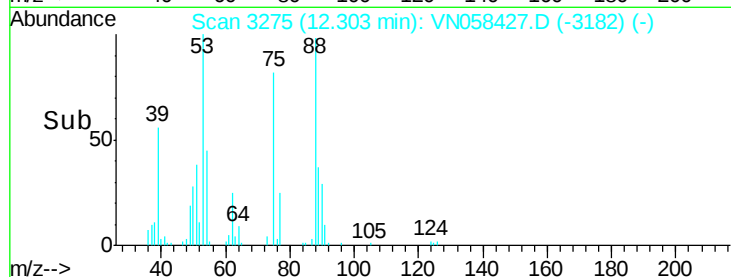
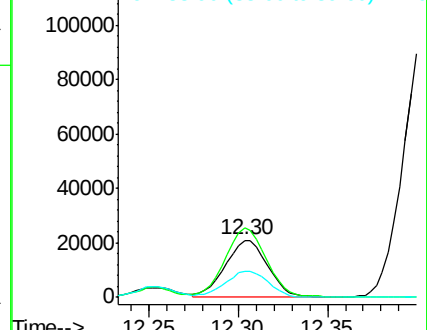
89 46.0 35.0 52.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.734 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058427.D

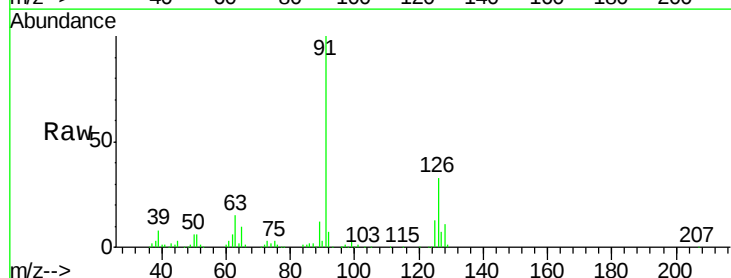
Acq: 30 Sep 2019 12:15

Tgt Ion: 91 Resp: 325864

Ion Ratio Lower Upper

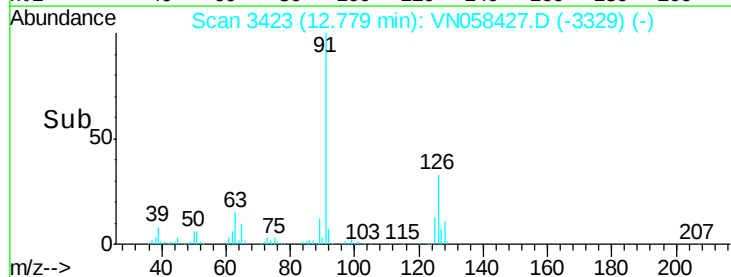
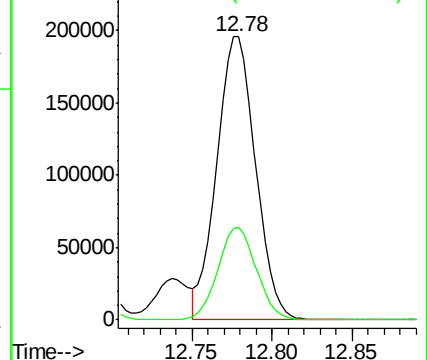
91 100

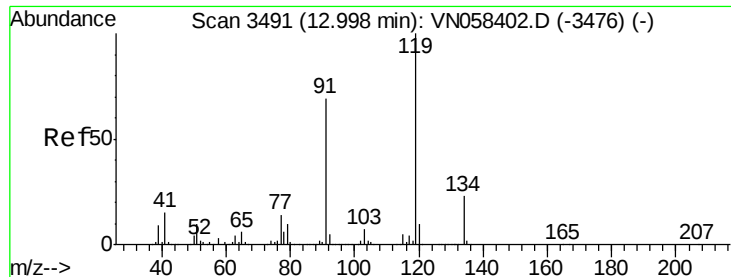
126 32.5 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

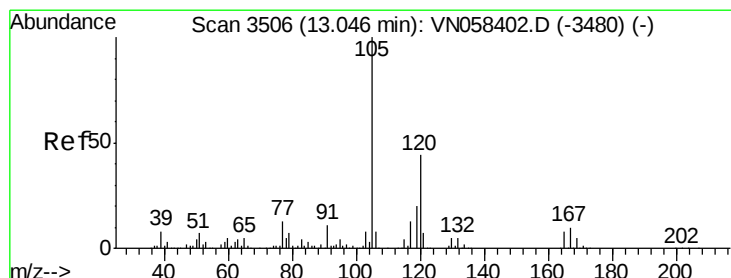
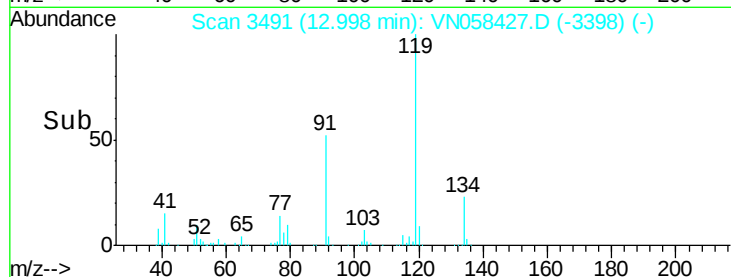
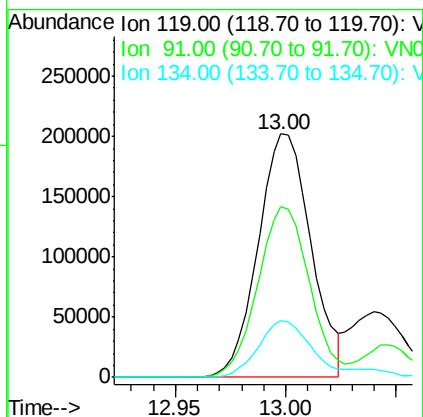
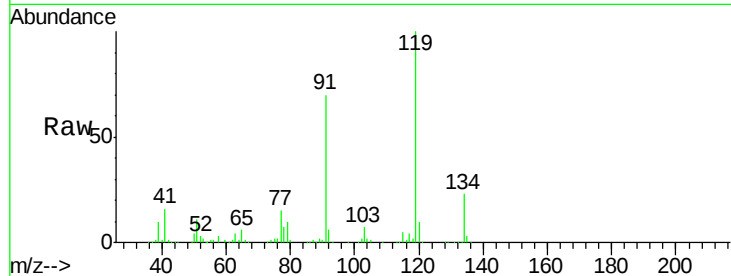




#83
tert-Butylbenzene
Concen: 21.423 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

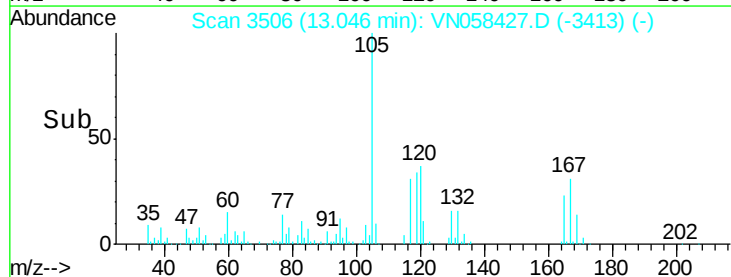
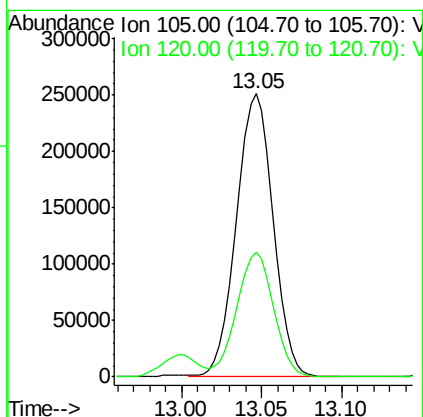
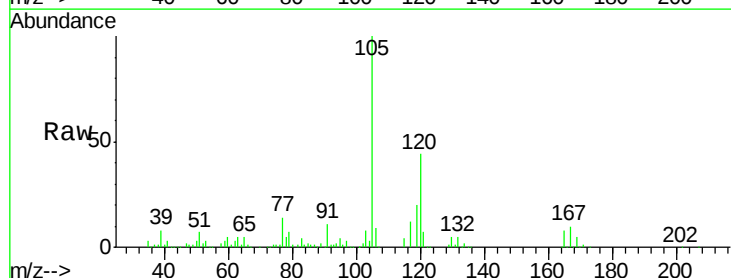
Instrument :
MSVOA_N
ClientSampleId :

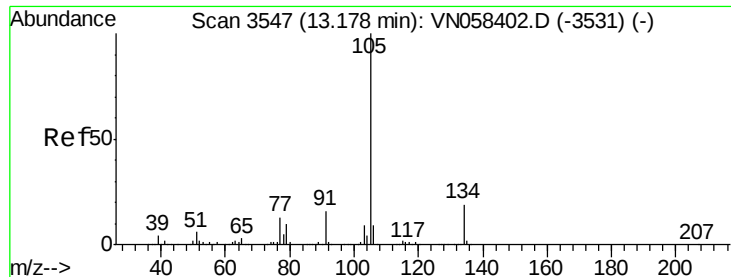
Tot Ion:119 Resp: 335170
Ion Ratio Lower Upper
119 100
91 68.7 34.2 102.6
134 23.1 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 21.061 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion:105 Resp: 391240
Ion Ratio Lower Upper
105 100
120 44.3 21.7 65.1





#85

sec-Butylbenzene

Concen: 21.977 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

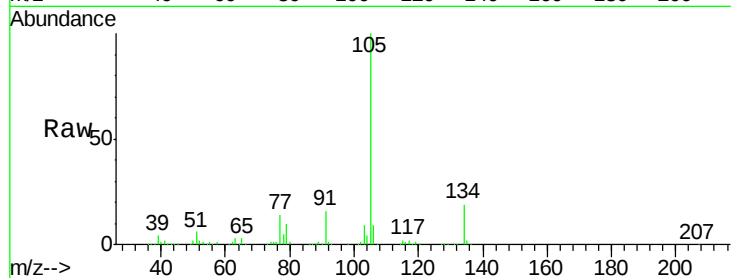
ClientSampled :

Tot Ion:105 Resp: 452558

Ion Ratio Lower Upper

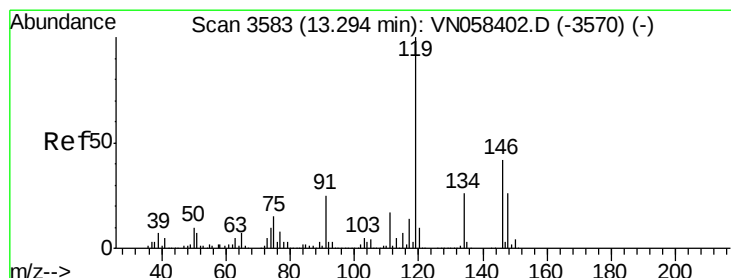
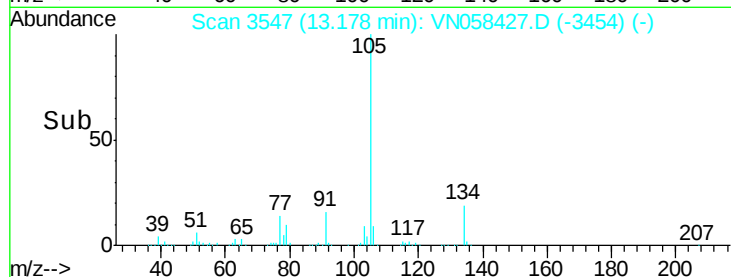
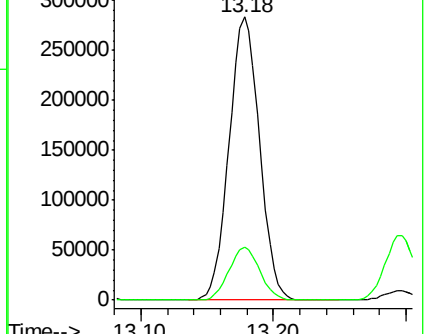
105 100

134 18.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.959 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

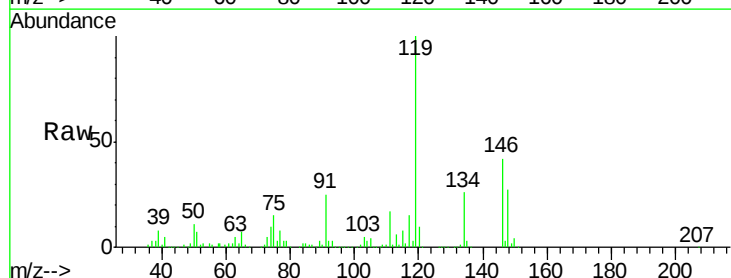
Tgt Ion:119 Resp: 398031

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

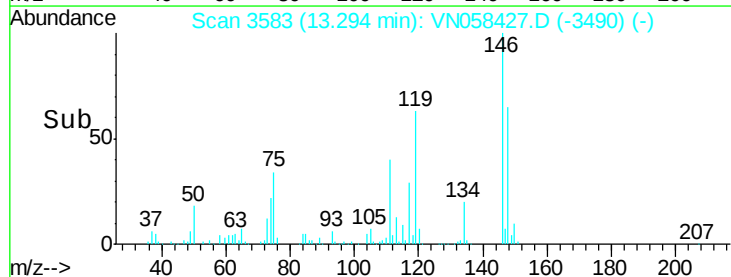
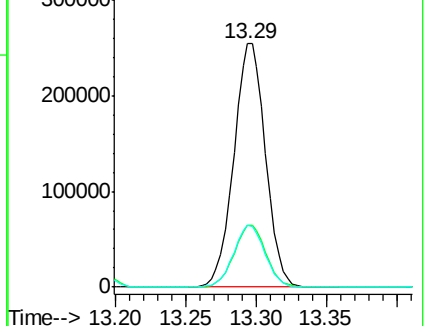
91 25.0 12.4 37.0

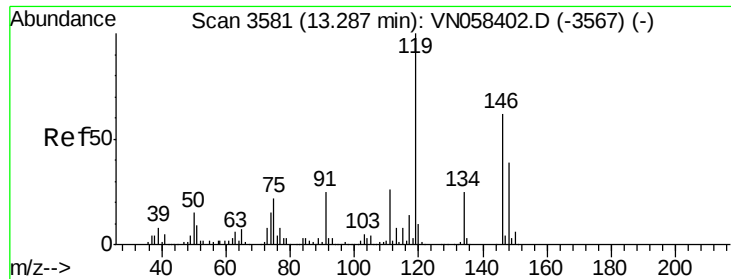


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

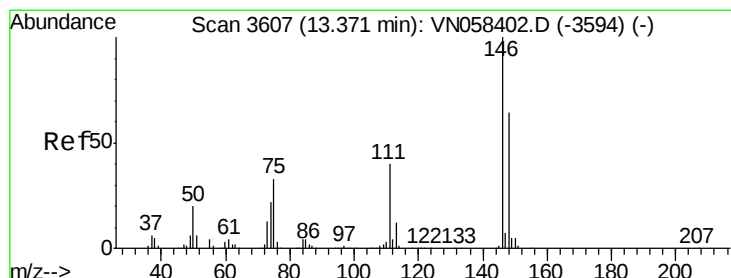
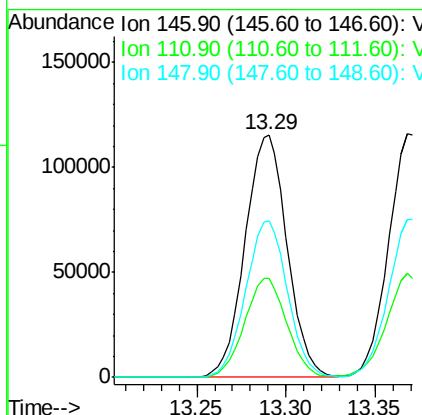
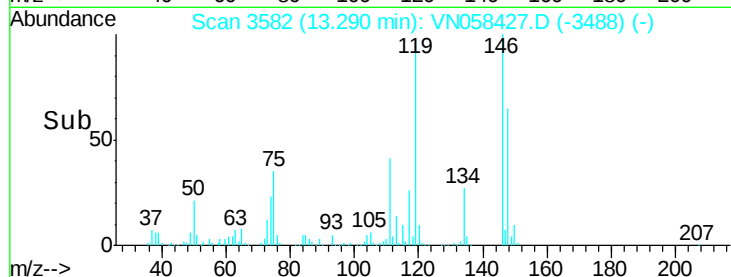
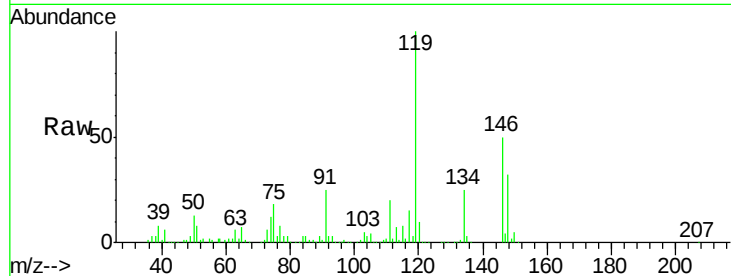




#87
 1,3-Dichlorobenzene
 Concen: 20.232 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

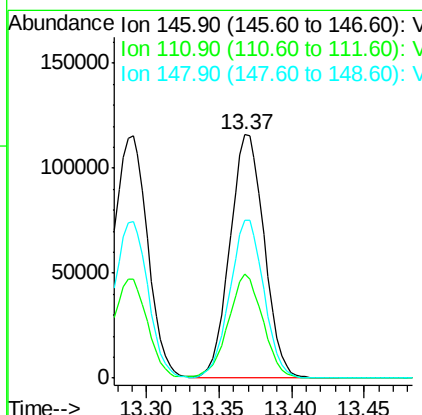
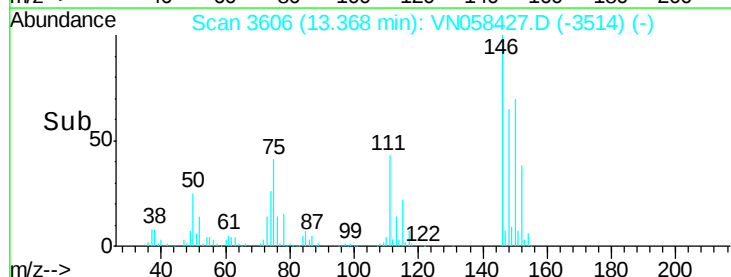
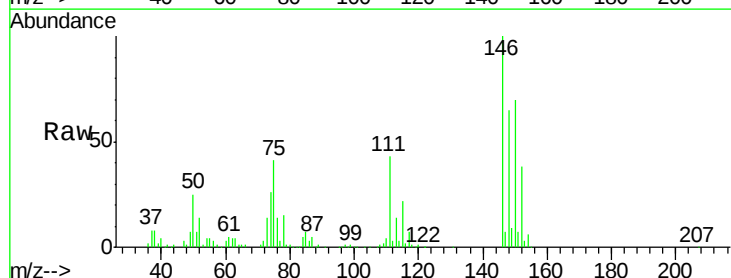
Instrument :
 MSVOA_N
 ClientSampleId :

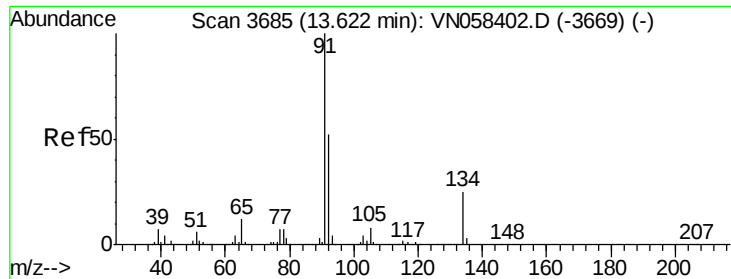
Tot Ion:146 Resp: 190531
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.8 62.4
 148 64.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.338 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion:146 Resp: 190555
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.5 61.6
 148 64.5 31.5 94.5

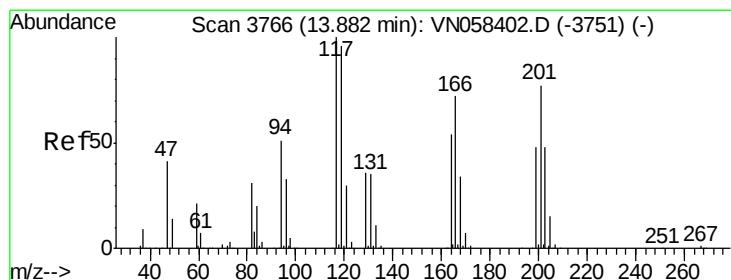
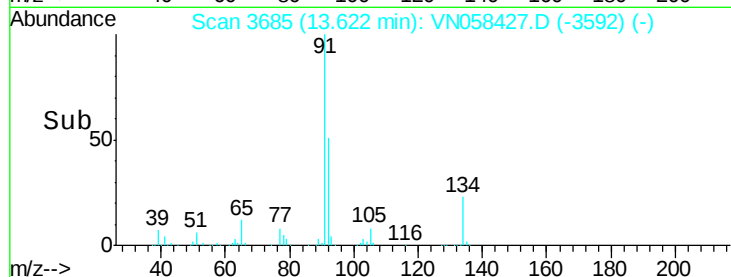
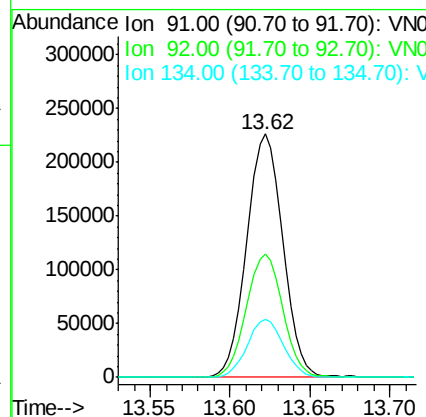
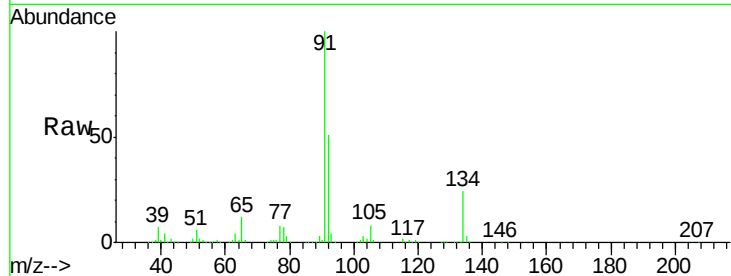




#89
n-Butylbenzene
Concen: 21.250 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

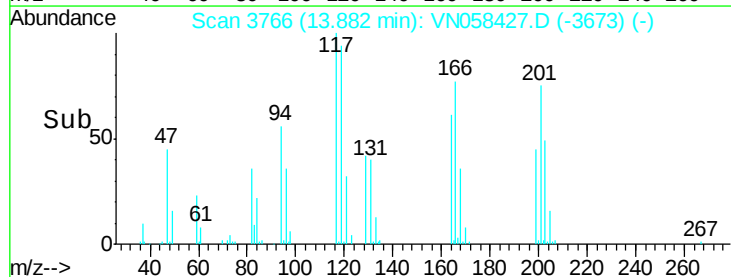
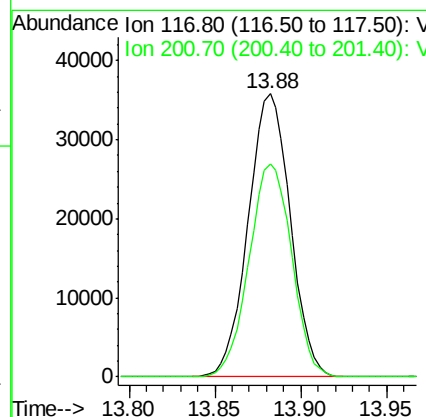
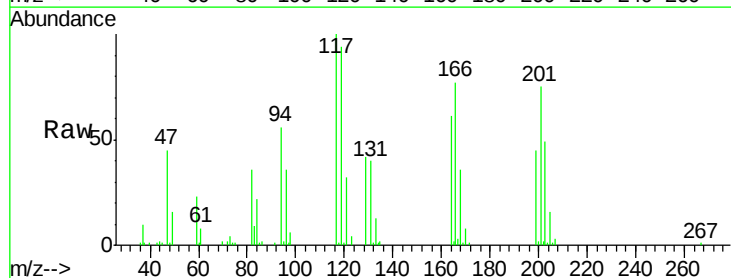
Instrument :
MSVOA_N
ClientSampled :

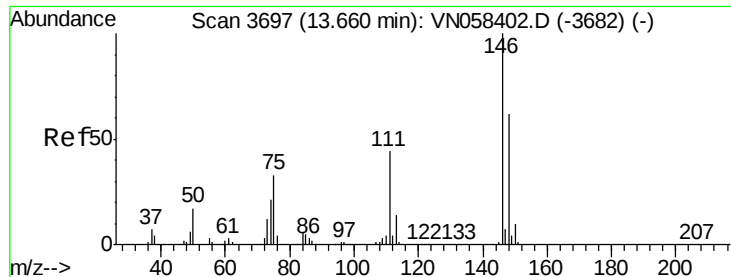
Tot Ion: 91 Resp: 348919
Ion Ratio Lower Upper
91 100
92 51.4 25.7 77.1
134 24.0 12.2 36.6



#90
Hexachloroethane
Concen: 22.325 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 117 Resp: 60802
Ion Ratio Lower Upper
117 100
201 76.1 38.6 116.0

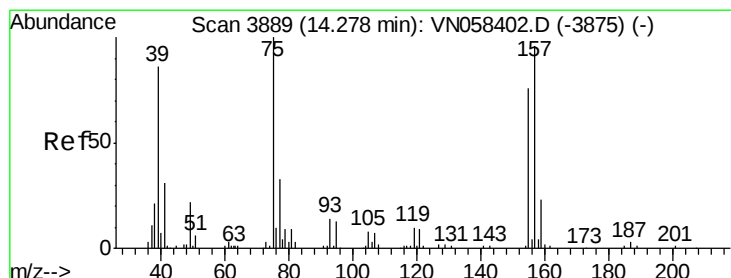
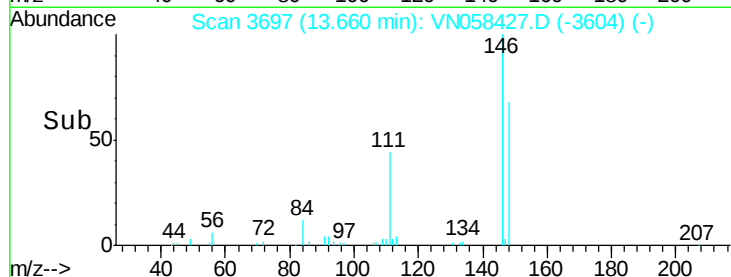
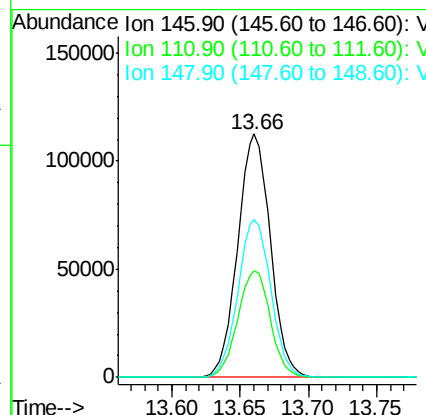
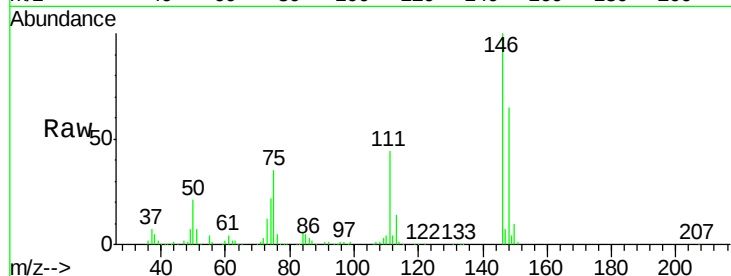




#91
 1,2-Dichlorobenzene
 Concen: 20.737 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

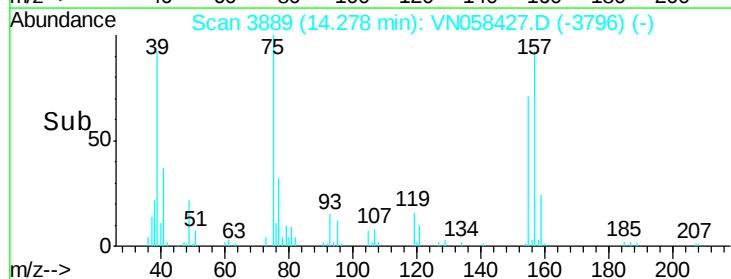
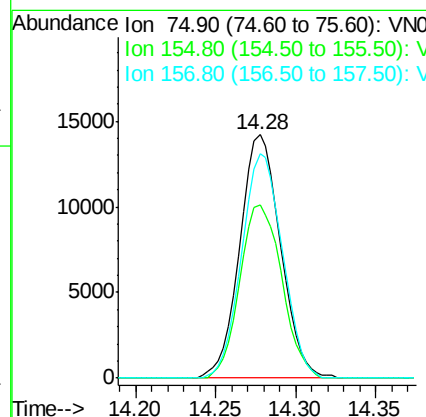
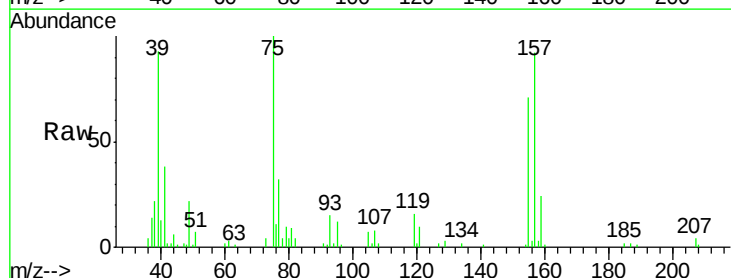
Instrument :
 MSVOA_N
 ClientSampled :

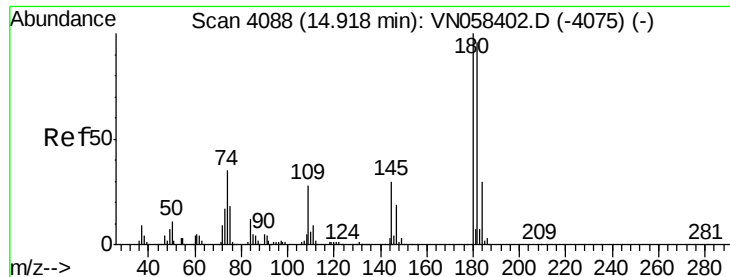
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.3
148	65.4	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.360 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	39.2	117.6
157	92.1	48.7	146.1





#93

1,2,4-Trichlorobenzene

Concen: 21.073 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

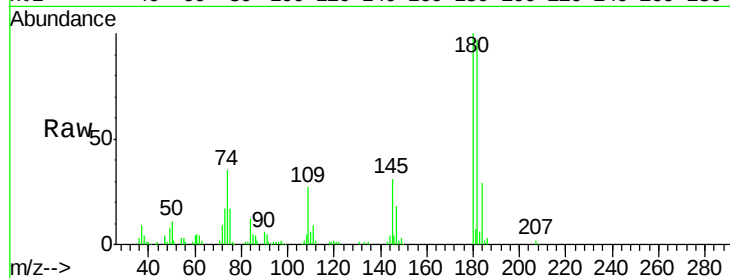
Tot Ion:180 Resp: 105369

Ion Ratio Lower Upper

180 100

182 97.8 47.4 142.3

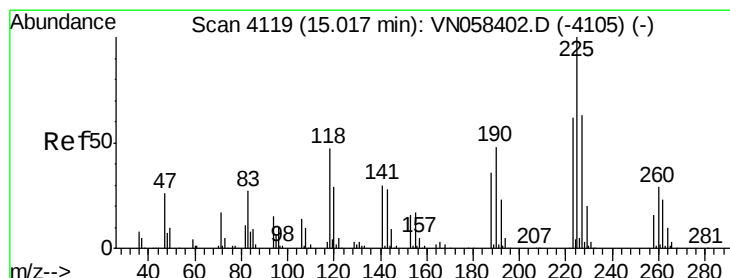
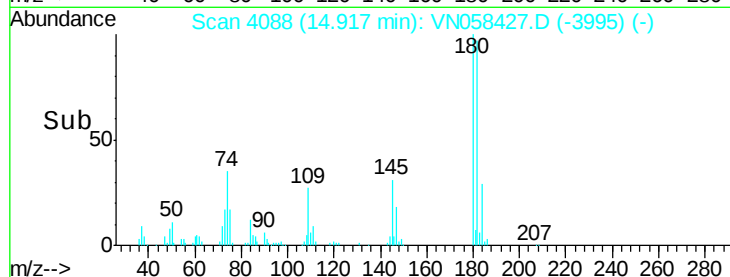
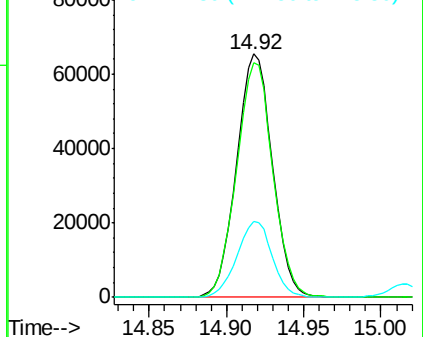
145 30.8 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.801 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

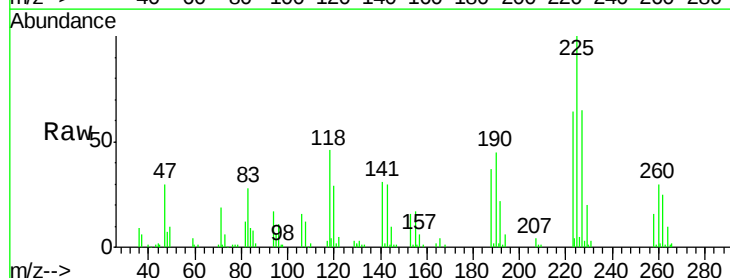
Tgt Ion:225 Resp: 53459

Ion Ratio Lower Upper

225 100

223 63.1 31.1 93.5

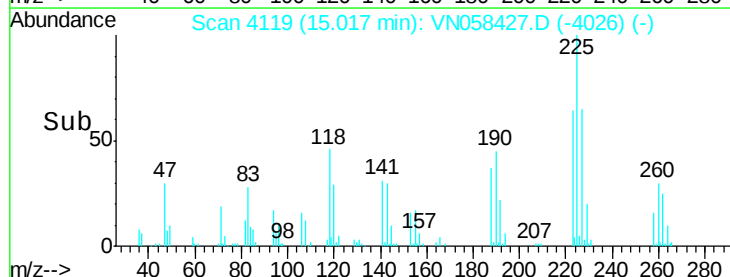
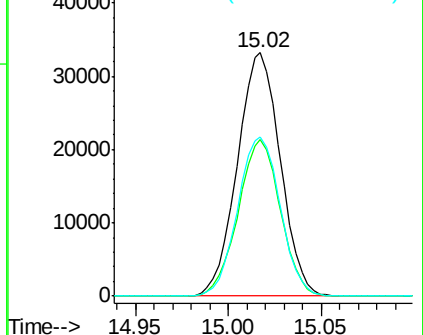
227 64.9 31.4 94.2

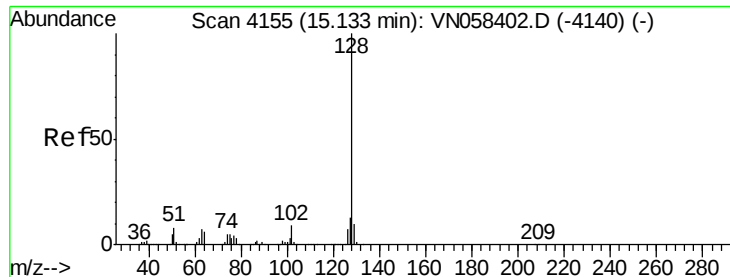


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.365 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

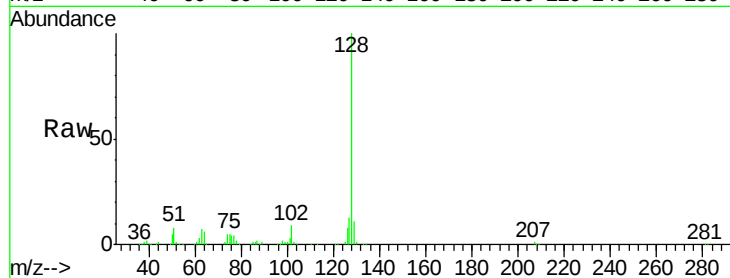
Tot Ion:128 Resp: 283828

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

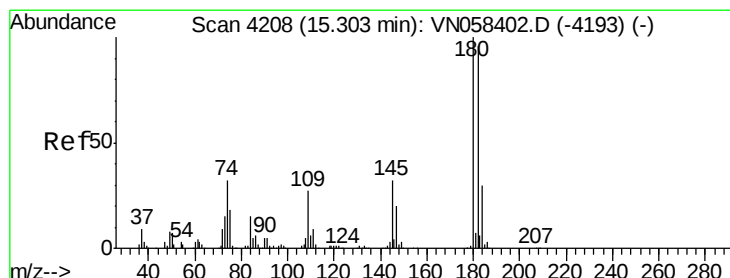
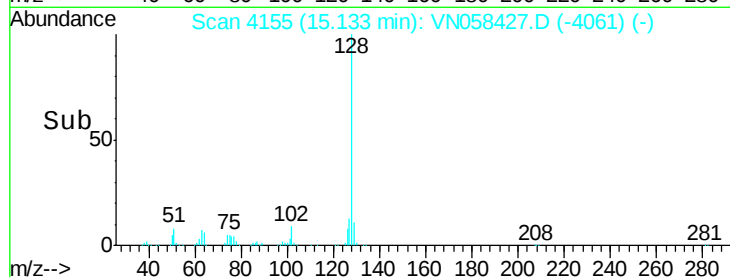
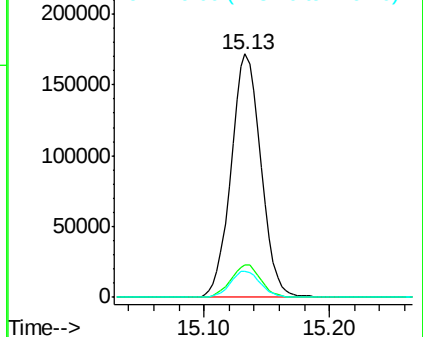
129 10.8 8.3 12.5



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: 20.096 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

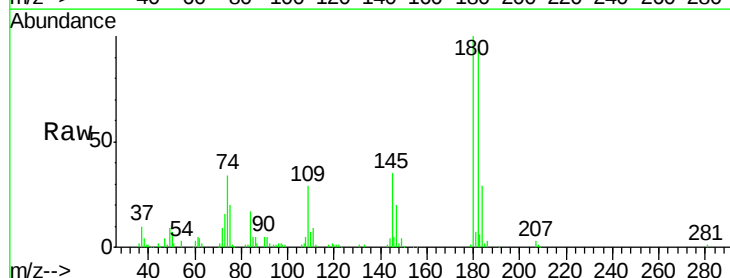
Tgt Ion:180 Resp: 100815

Ion Ratio Lower Upper

180 100

182 96.5 48.3 144.9

145 34.5 16.1 48.3



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

