

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059651.D
 Acq On : 18 Dec 2019 16:04
 Operator : JC/SP
 Sample : VN1218MBS02
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 04:28:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	241126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	392608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	355575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	180140	51.34	ug/l	0.00
Spiked Amount						
			Recovery	=	102.68%	
35) Dibromofluoromethane	7.57	113	124108	50.52	ug/l	0.00
Spiked Amount						
			Recovery	=	101.04%	
50) Toluene-d8	10.08	98	488227	50.20	ug/l	0.00
Spiked Amount						
			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	171607	48.36	ug/l	0.00
Spiked Amount						
			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	53294	17.104	ug/l	98
3) Chloromethane	2.04	50	80799	16.341	ug/l	99
4) Vinyl Chloride	2.17	62	75221	16.042	ug/l	98
5) Bromomethane	2.54	94	51169	18.772	ug/l	97
6) Chloroethane	2.68	64	51710	19.622	ug/l	99
7) Trichlorofluoromethane	3.00	101	100007	19.439	ug/l	99
8) Diethyl Ether	3.38	74	31182	19.399	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	48593	18.743	ug/l	99
10) Methyl Iodide	3.92	142	60536	17.638	ug/l	99
11) Tert butyl alcohol	4.75	59	56617	88.015	ug/l	99
12) 1,1-Dichloroethene	3.71	96	45322	17.920	ug/l	96
13) Acrolein	3.58	56	31796	69.390	ug/l	99
14) Allyl chloride	4.29	41	93353	17.981	ug/l	100
15) Acrylonitrile	4.95	53	148011	95.124	ug/l	99
16) Acetone	3.79	43	150535	72.262	ug/l	99
17) Carbon Disulfide	4.02	76	140301	16.741	ug/l	99
18) Methyl Acetate	4.29	43	80267	18.388	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	170712	19.117	ug/l	99
20) Methylene Chloride	4.52	84	57455	19.097	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	50867	18.042	ug/l	97
22) Diisopropyl ether	5.91	45	192319	20.093	ug/l	92
23) Vinyl Acetate	5.86	43	800975	106.633	ug/l	99
24) 1,1-Dichloroethane	5.81	63	106028	19.555	ug/l	100
25) 2-Butanone	6.81	43	216356	86.853	ug/l	99
26) 2,2-Dichloropropane	6.80	77	93164	18.906	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	58673	18.780	ug/l	97
28) Bromochloromethane	7.17	49	44300	19.731	ug/l	99
29) Tetrahydrofuran	7.18	42	144385	95.130	ug/l	98
30) Chloroform	7.35	83	103569	19.406	ug/l	97
31) Cyclohexane	7.63	56	94564	18.458	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	87710	18.229	ug/l	99
36) 1,1-Dichloropropene	7.77	75	76353	18.649	ug/l	98
37) Ethyl Acetate	6.90	43	90567	19.032	ug/l	99
38) Carbon Tetrachloride	7.75	117	77331	18.202	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059651.D
 Acq On : 18 Dec 2019 16:04
 Operator : JC/SP
 Sample : VN1218MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 04:28:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	83639	18.009	ug/l	98
40) Benzene	8.02	78	225937	18.883	ug/l	99
41) Methacrylonitrile	7.18	41	131067	66.738	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	90410	19.731	ug/l	99
43) Isopropyl Acetate	8.14	43	139969	18.919	ug/l #	93
44) Trichloroethene	8.82	130	57273	18.274	ug/l	95
45) 1,2-Dichloropropane	9.10	63	62318	19.287	ug/l	98
46) Dibromomethane	9.19	93	40554	19.158	ug/l	99
47) Bromodichloromethane	9.39	83	82273	19.494	ug/l	99
48) Methyl methacrylate	9.18	41	60503	18.025	ug/l	99
49) 1,4-Dioxane	9.18	88	19281	400.824	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	432937	98.146	ug/l	99
52) Toluene	10.14	92	137257	18.670	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	91630	18.773	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	99037	19.303	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	56748	19.671	ug/l	98
56) Ethyl methacrylate	10.42	69	78611	18.355	ug/l	99
57) 1,3-Dichloropropane	10.70	76	98259	19.562	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	157066	115.313	ug/l	99
59) 2-Hexanone	10.74	43	315499	90.750	ug/l	99
60) Dibromochloromethane	10.89	129	59588	18.925	ug/l	98
61) 1,2-Dibromoethane	10.99	107	57719	18.865	ug/l	97
64) Tetrachloroethene	10.62	164	55469	16.734	ug/l	99
65) Chlorobenzene	11.43	112	142879	18.571	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	55175	18.880	ug/l	99
67) Ethyl Benzene	11.50	91	257945	18.574	ug/l	100
68) m/p-Xylenes	11.62	106	189315	36.916	ug/l	98
69) o-Xylene	11.94	106	88857	18.210	ug/l	98
70) Styrene	11.96	104	142107	18.126	ug/l	99
71) Bromoform	12.12	173	40829	18.586	ug/l #	97
73) Isopropylbenzene	12.25	105	238284	18.759	ug/l	100
74) N-amyl acetate	12.06	43	108744	18.663	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	78991	19.604	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	113272	28.277	ug/l #	100
77) Bromobenzene	12.52	156	58249	18.647	ug/l	99
78) n-propylbenzene	12.59	91	286091	19.053	ug/l	99
79) 2-Chlorotoluene	12.67	91	170857	18.818	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	201546	18.749	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29482	18.178	ug/l	96
82) 4-Chlorotoluene	12.77	91	173149	18.625	ug/l	100
83) tert-Butylbenzene	12.99	119	164849	18.109	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	206260	19.297	ug/l	98
85) sec-Butylbenzene	13.17	105	226472	18.702	ug/l	98
86) p-Isopropyltoluene	13.28	119	201001	18.327	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	102483	17.841	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	102826	17.755	ug/l	98
89) n-Butylbenzene	13.61	91	182364	17.736	ug/l	100
90) Hexachloroethane	13.87	117	39705	19.153	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	102464	18.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19212	18.131	ug/l	93

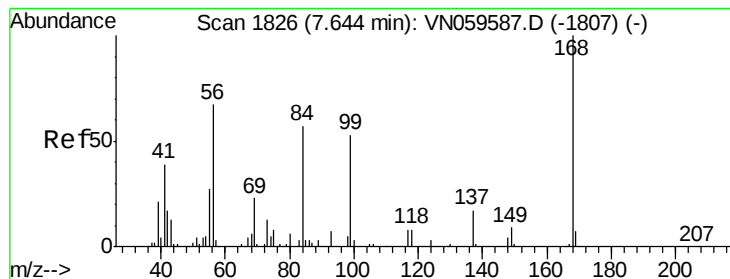
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121819\
Data File : VN059651.D
Acq On : 18 Dec 2019 16:04
Operator : JC/SP
Sample : VN1218MBS02
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 19 04:28:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	61015	16.679	ug/l	99
94) Hexachlorobutadiene	15.00	225	33057	17.716	ug/l	98
95) Naphthalene	15.12	128	177670	16.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	62288	16.835	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

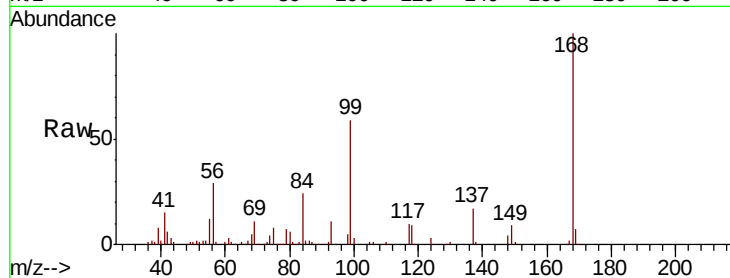
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 241126

Ion Ratio Lower Upper

168 100

99 58.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

40000

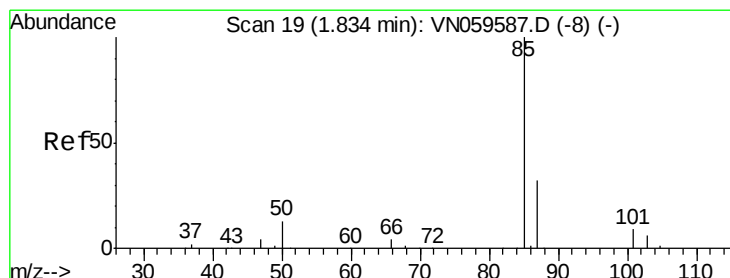
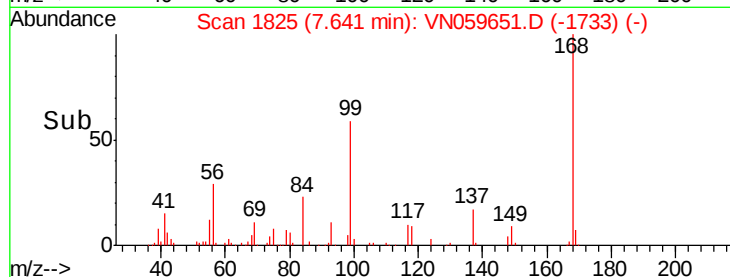
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.104 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059651.D

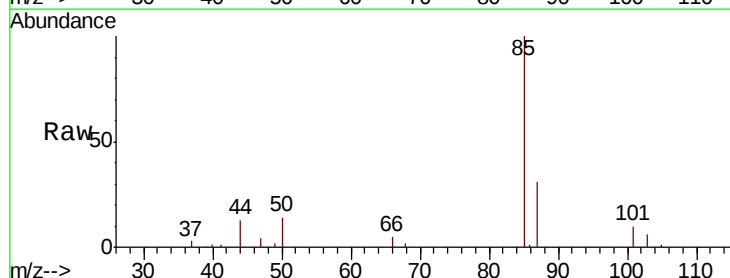
Acq: 18 Dec 2019 16:04

Tgt Ion: 85 Resp: 53294

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

20000

10000

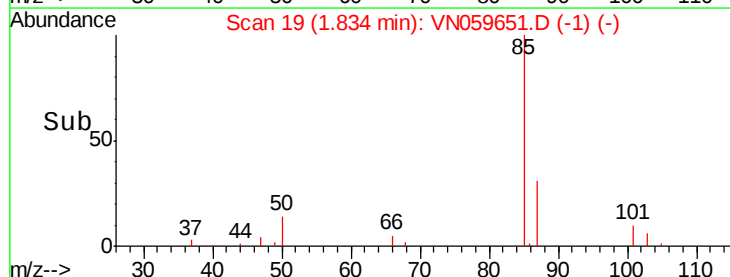
0

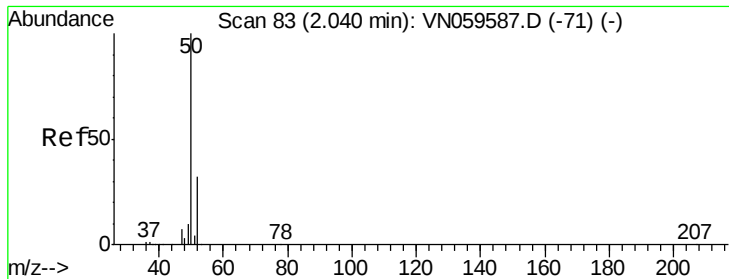
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 16.341 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

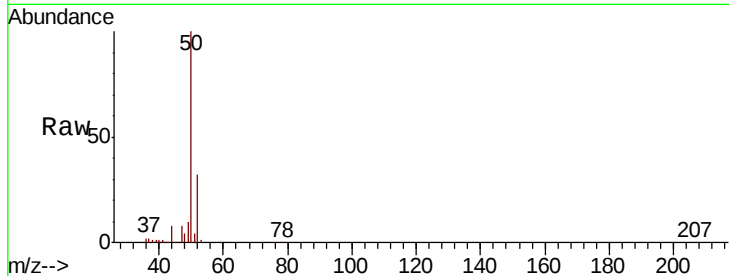
ClientSampled :

Tot Ion: 50 Resp: 80799

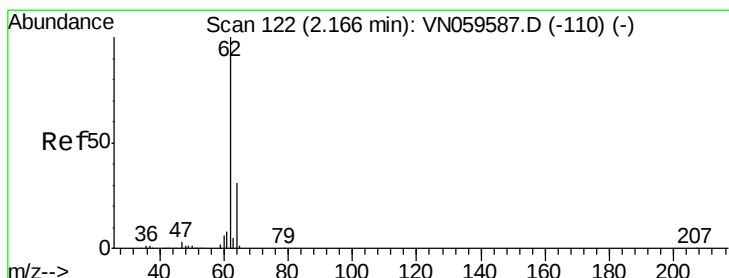
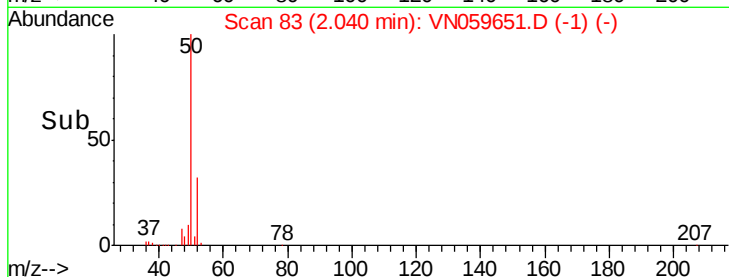
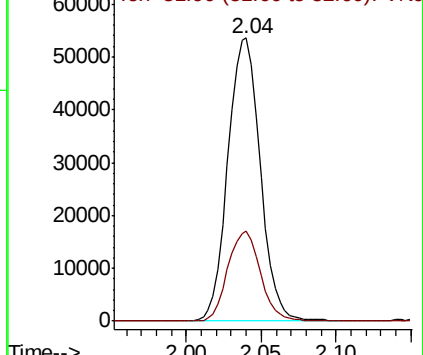
Ion Ratio Lower Upper

50 100

52 31.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 16.042 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059651.D

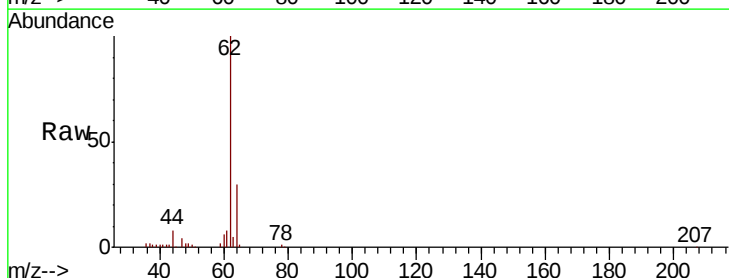
Acq: 18 Dec 2019 16:04

Tgt Ion: 62 Resp: 75221

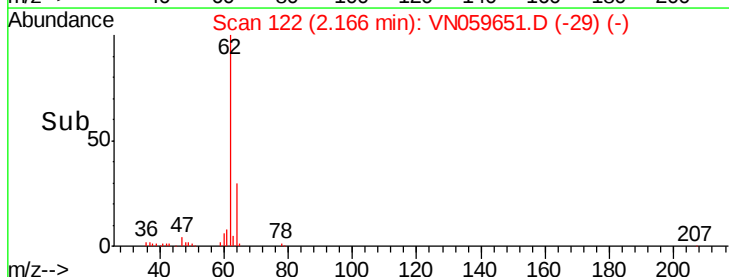
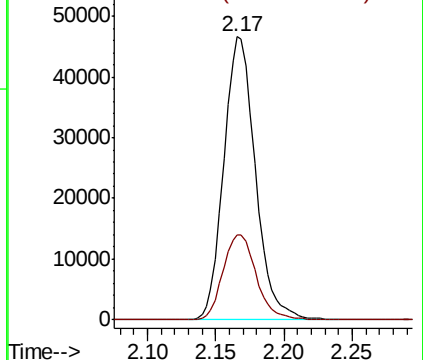
Ion Ratio Lower Upper

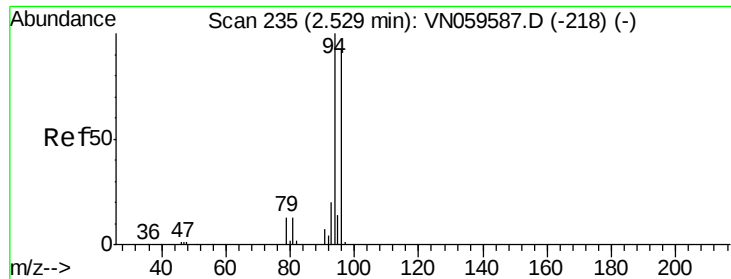
62 100

64 29.9 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.772 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

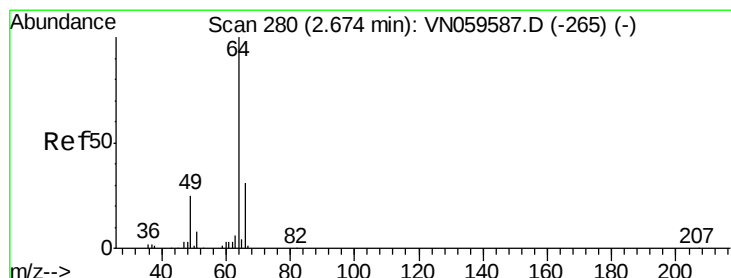
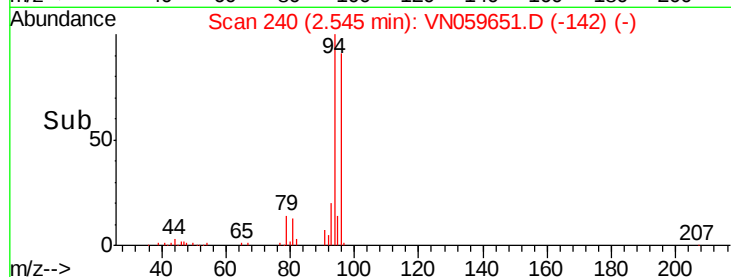
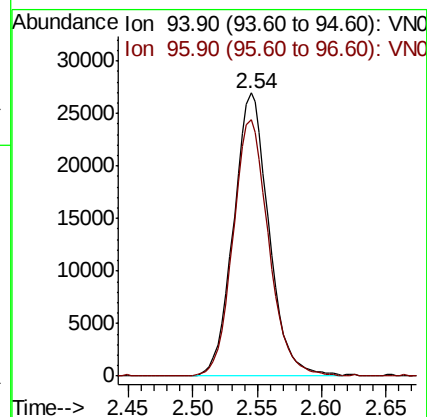
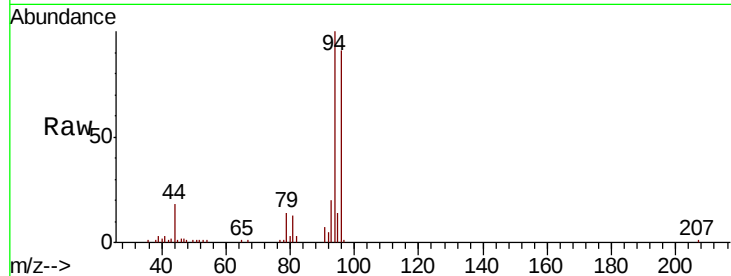
ClientSampled :

Tot Ion: 94 Resp: 51169

Ion Ratio Lower Upper

94 100

96 90.6 74.7 112.1



#6

Chloroethane

Concen: 19.622 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN059651.D

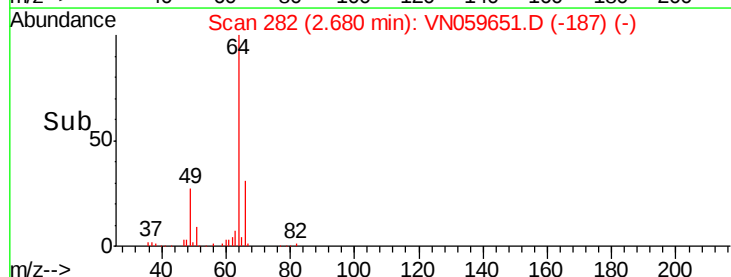
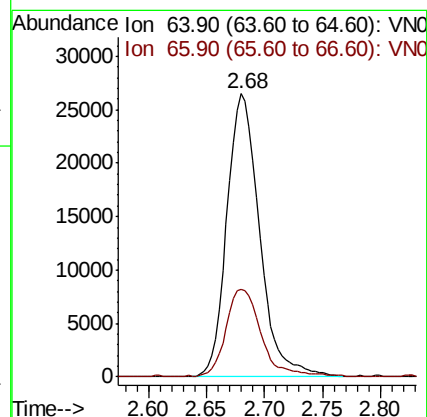
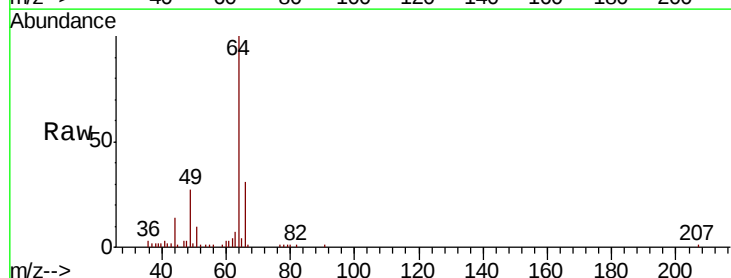
Acq: 18 Dec 2019 16:04

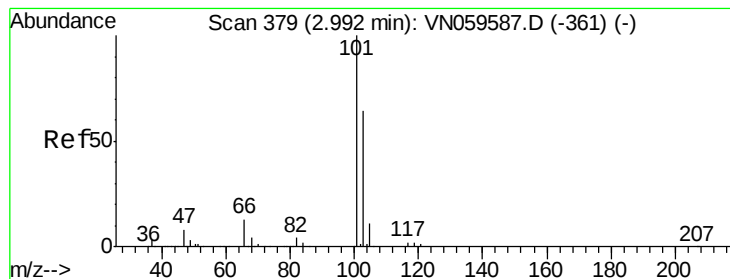
Tgt Ion: 64 Resp: 51710

Ion Ratio Lower Upper

64 100

66 31.1 25.1 37.7



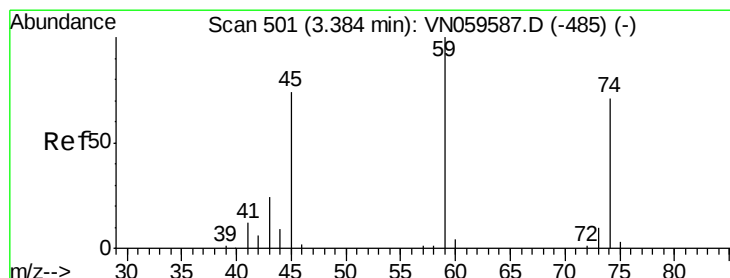
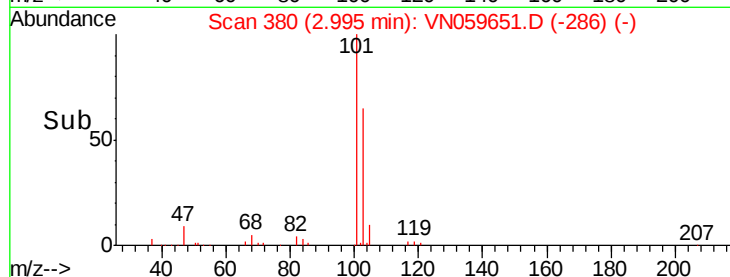
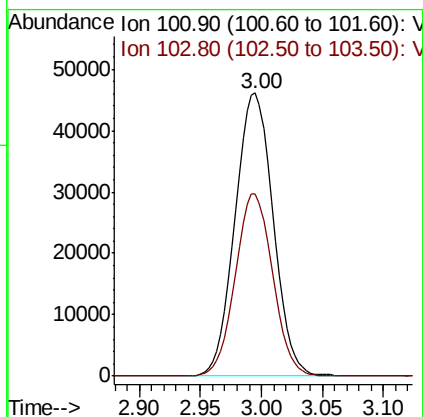
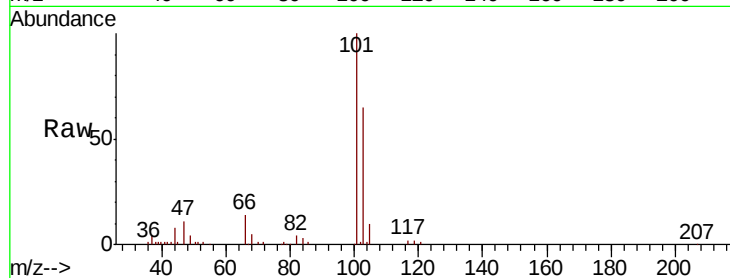


#7

Trichlorofluoromethane
 Concen: 19.439 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Instrument :
 MSVOA_N
 ClientSampled :

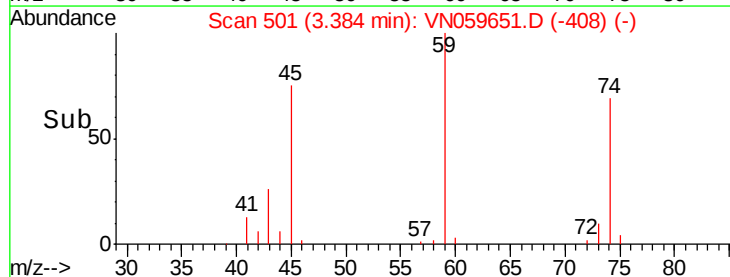
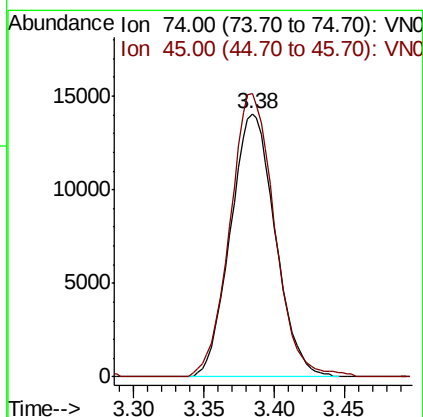
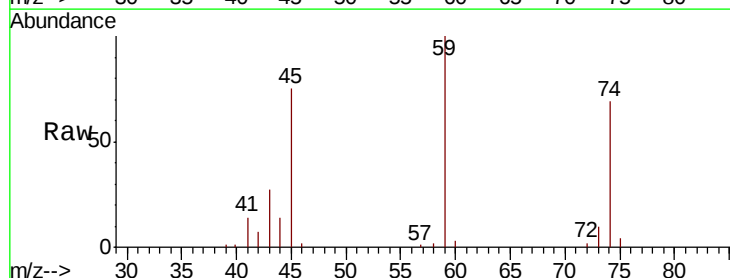
Tot Ion:101 Resp: 100007
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.0 76.6

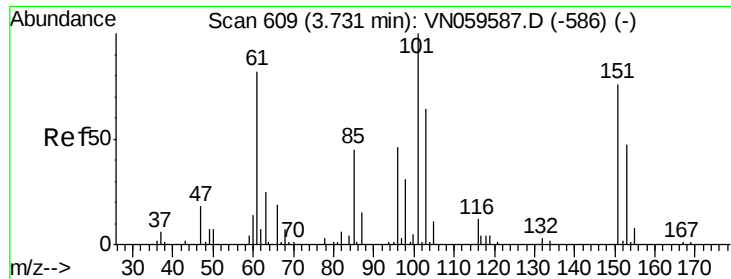


#8

Diethyl Ether
 Concen: 19.399 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion: 74 Resp: 31182
 Ion Ratio Lower Upper
 74 100
 45 107.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.743 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

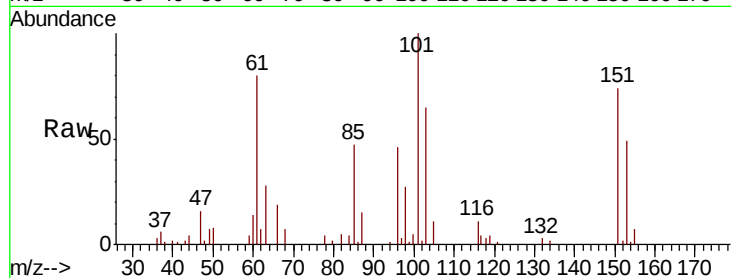
Tot Ion:101 Resp: 48593

Ion Ratio Lower Upper

101 100

85 46.0 36.6 54.8

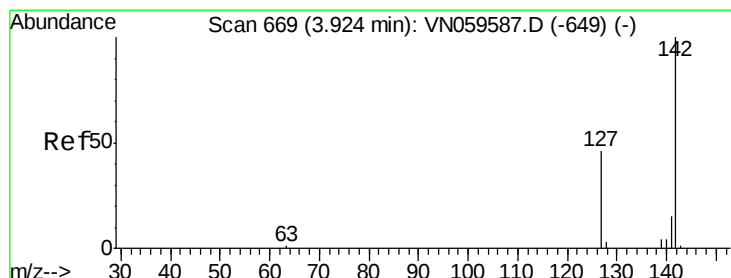
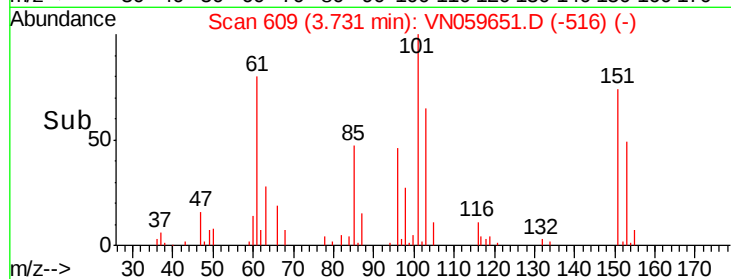
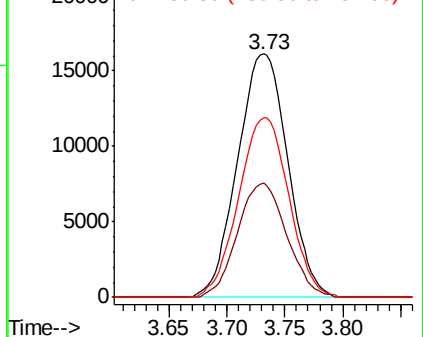
151 73.8 59.7 89.5



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: 17.638 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

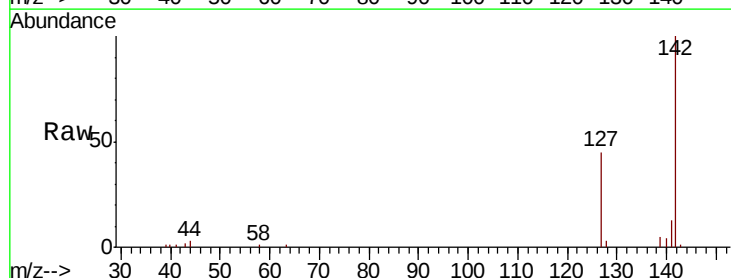
Tgt Ion:142 Resp: 60536

Ion Ratio Lower Upper

142 100

127 46.9 36.7 55.1

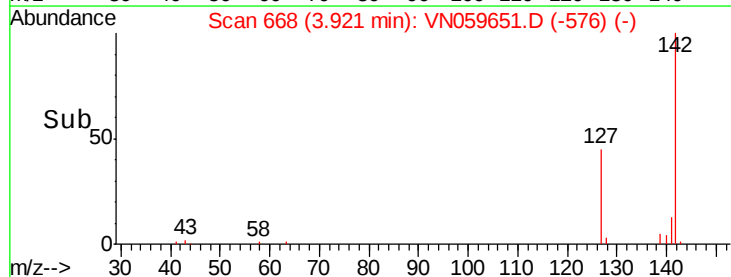
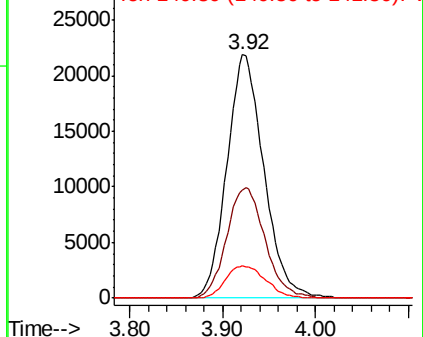
141 14.3 11.7 17.5

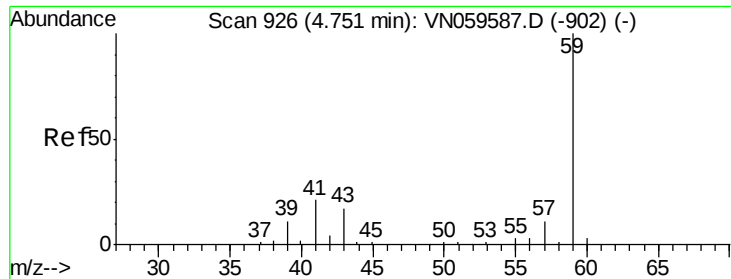


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

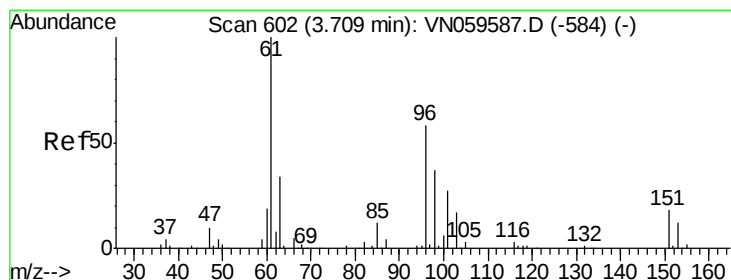
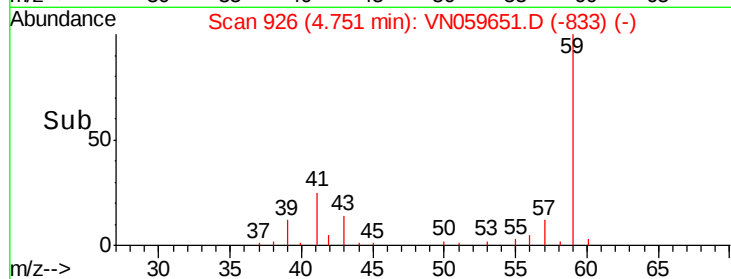
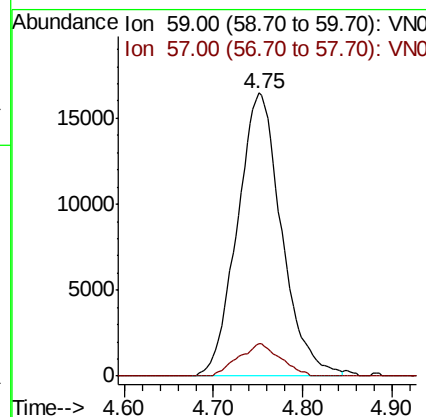
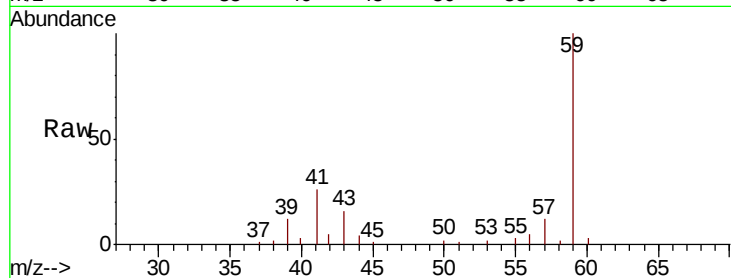




#11
Tert butyl alcohol
Concen: 88.015 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

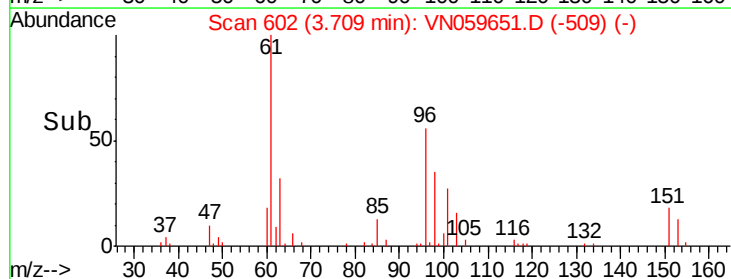
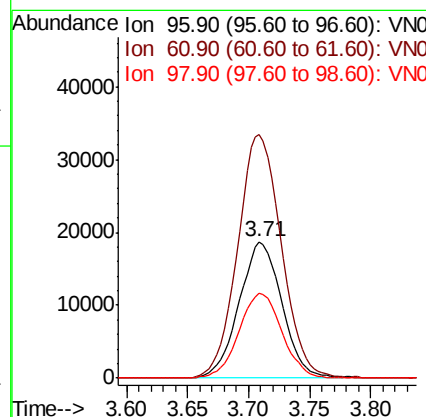
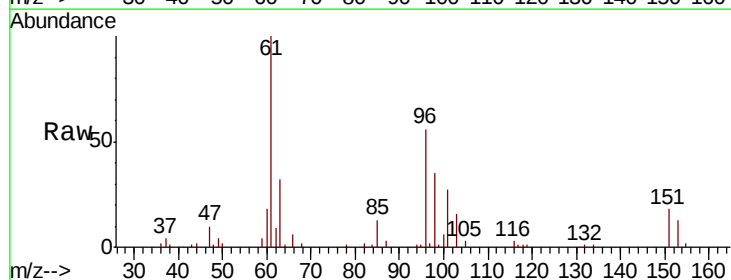
Instrument :
MSVOA_N
ClientSampleId :

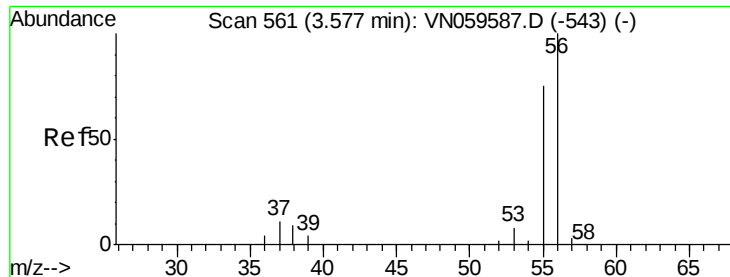
Tot Ion: 59 Resp: 56617
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8



#12
1,1-Dichloroethene
Concen: 17.920 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 96 Resp: 45322
Ion Ratio Lower Upper
96 100
61 178.3 137.5 206.3
98 61.9 50.2 75.4

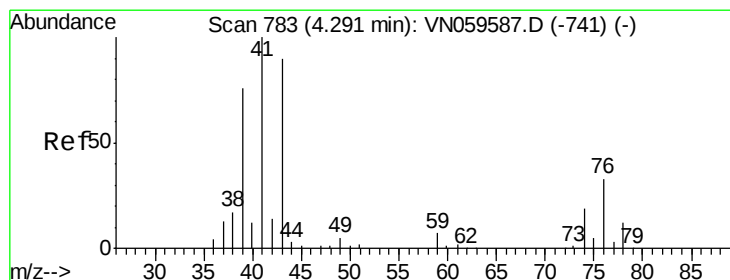
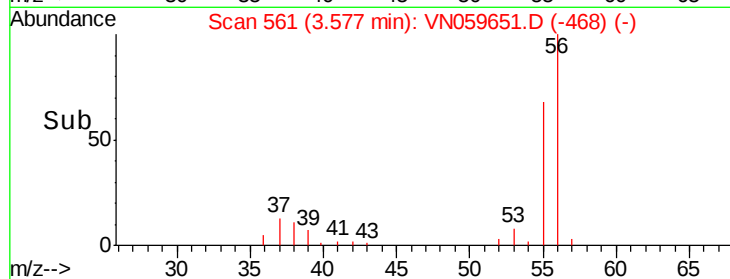
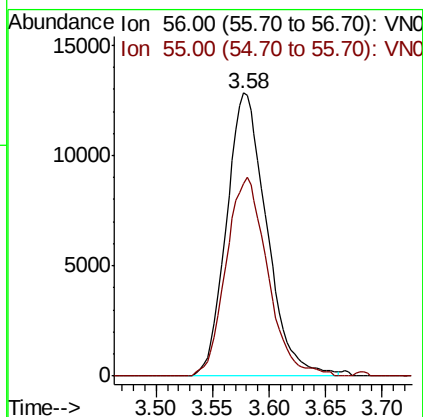
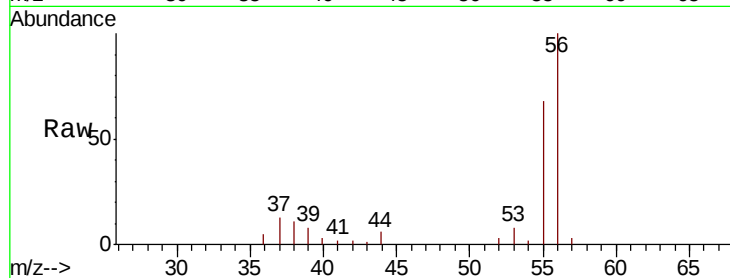




#13
Acrolein
Concen: 69.390 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

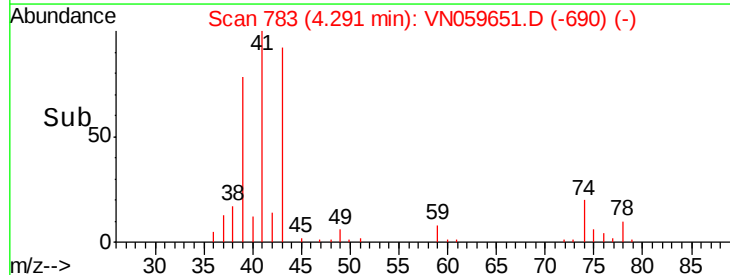
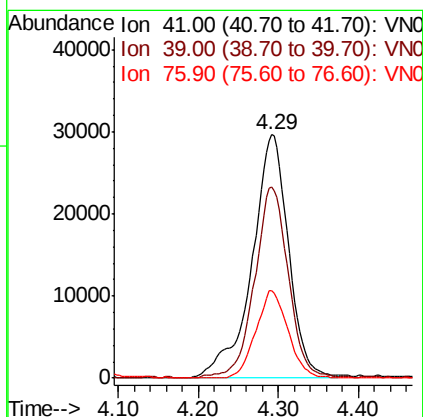
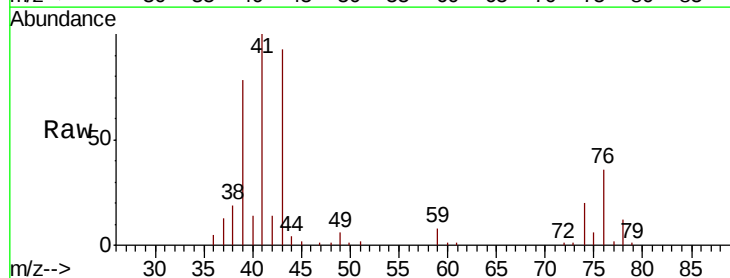
Instrument :
MSVOA_N
ClientSampled :

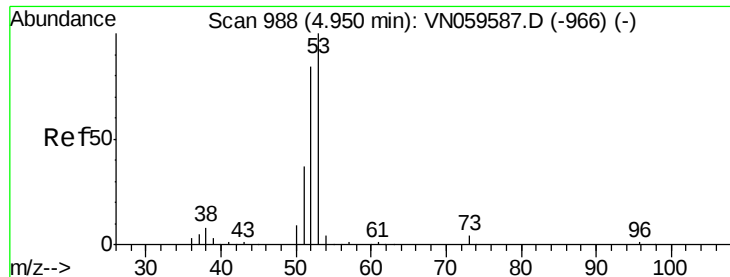
Tot Ion: 56 Resp: 31796
Ion Ratio Lower Upper
56 100
55 72.2 58.6 88.0



#14
Allyl chloride
Concen: 17.981 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 41 Resp: 93353
Ion Ratio Lower Upper
41 100
39 72.3 57.8 86.8
76 31.4 25.4 38.0





#15

Acrylonitrile

Concen: 95.124 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampled :

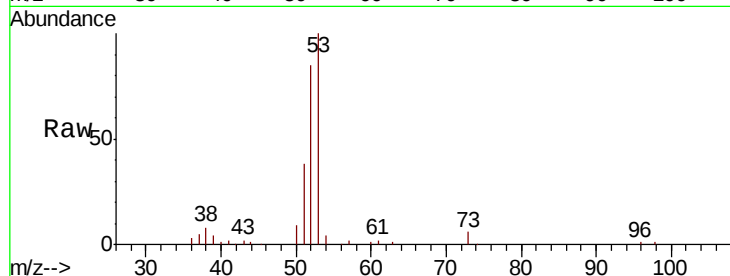
Tot Ion: 53 Resp: 148011

Ion Ratio Lower Upper

53 100

52 83.4 66.3 99.5

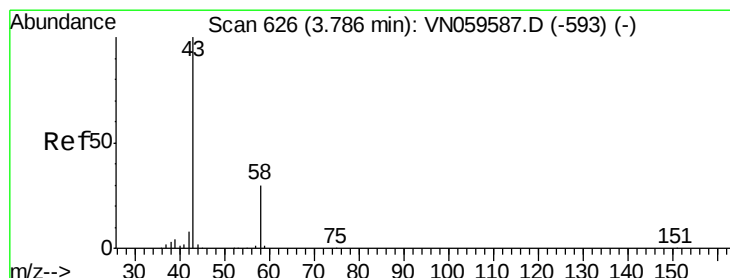
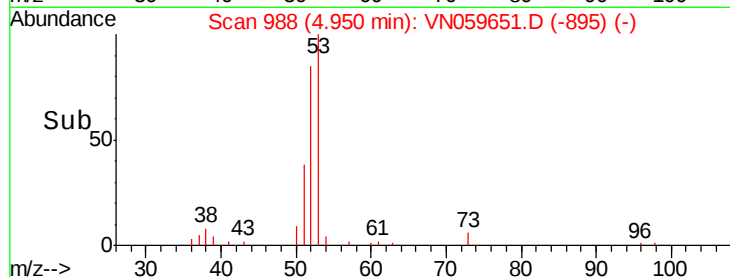
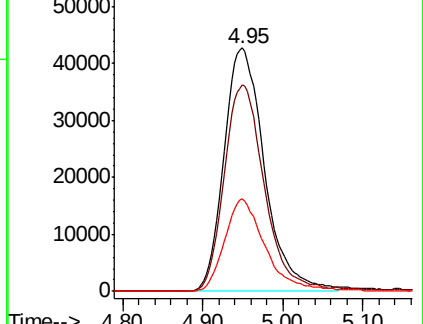
51 37.8 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 72.262 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059651.D

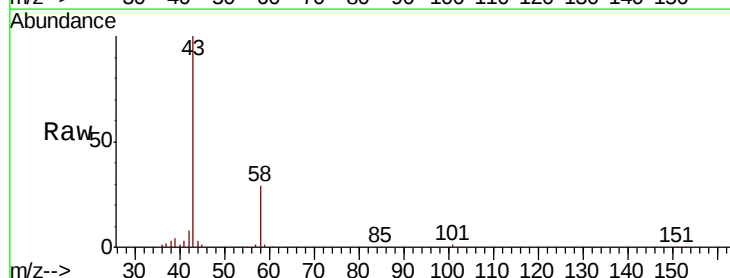
Acq: 18 Dec 2019 16:04

Tgt Ion: 43 Resp: 150535

Ion Ratio Lower Upper

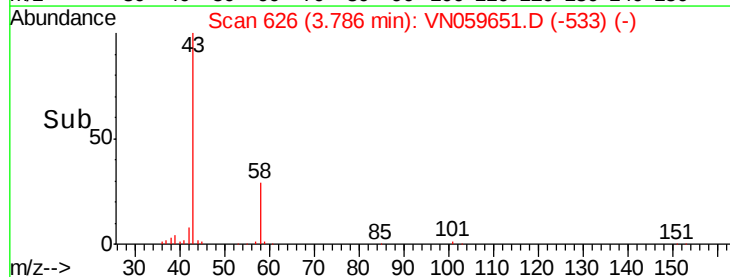
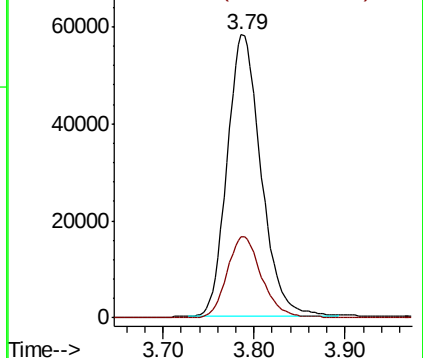
43 100

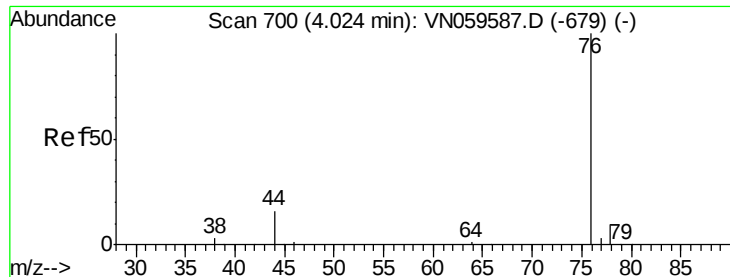
58 28.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.741 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

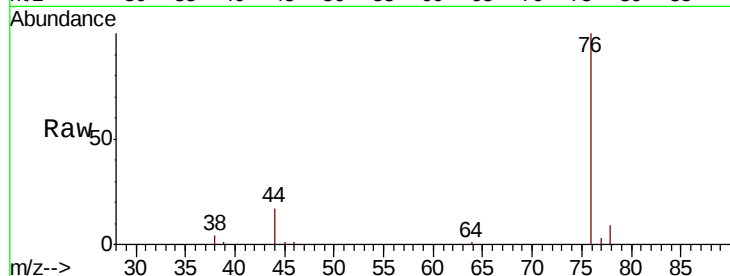
ClientSampled :

Tot Ion: 76 Resp: 140301

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.02

60000

50000

40000

30000

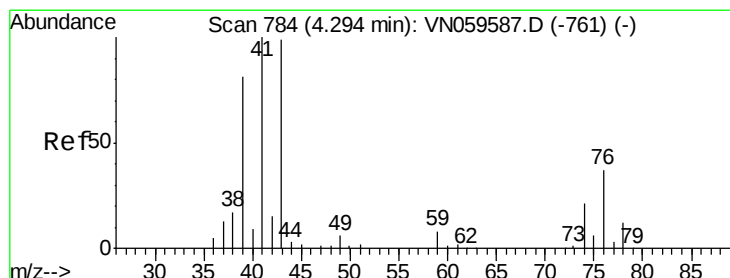
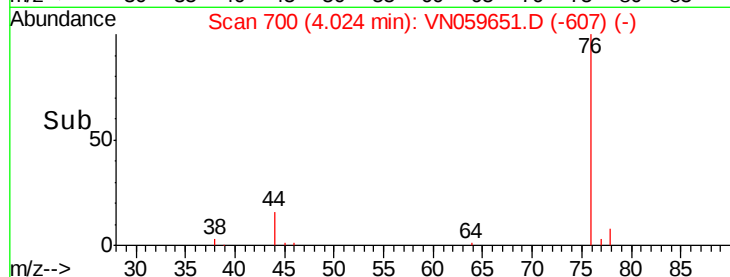
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 18.388 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059651.D

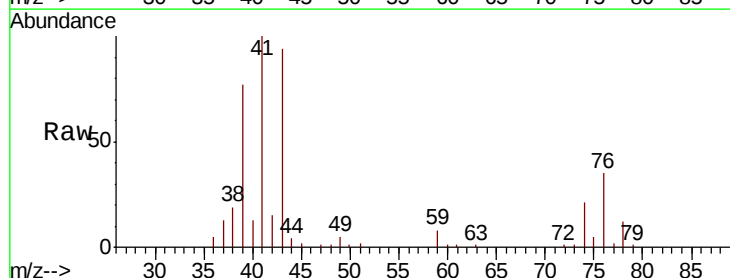
Acq: 18 Dec 2019 16:04

Tgt Ion: 43 Resp: 80267

Ion Ratio Lower Upper

43 100

74 21.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.29

30000

25000

20000

15000

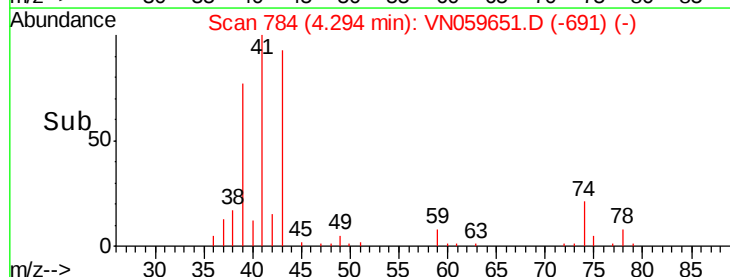
10000

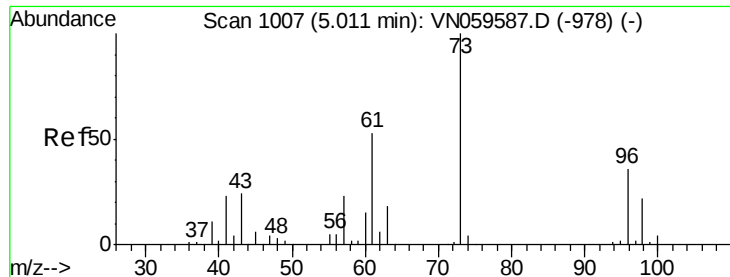
5000

0

Time-->

4.20 4.30 4.40

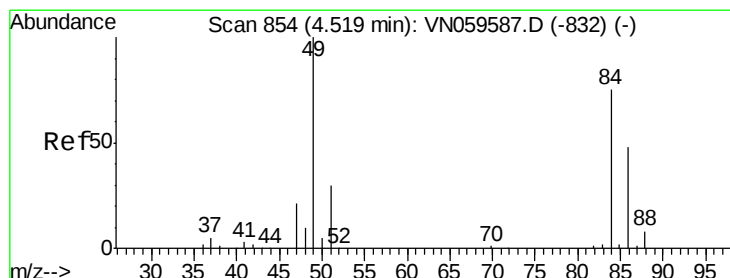
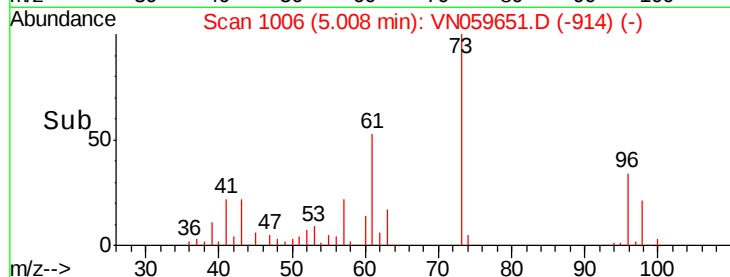
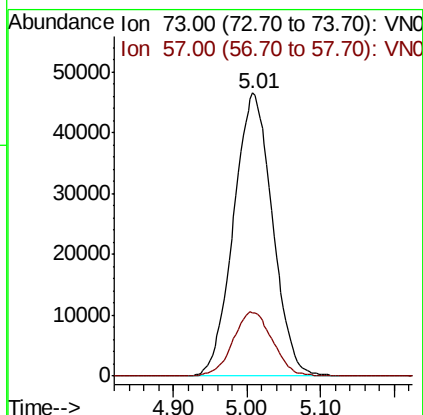
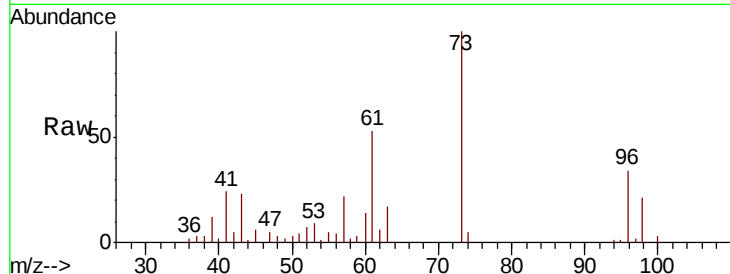




#19
Methyl tert-butyl Ether
Concen: 19.117 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

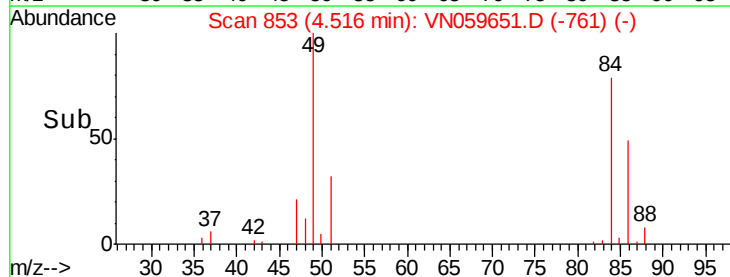
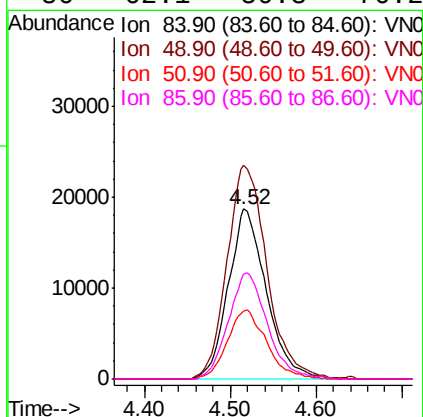
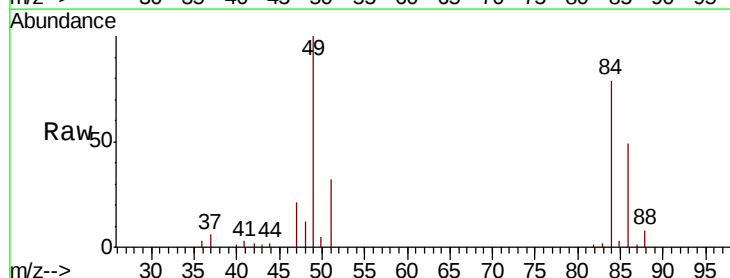
Instrument :
MSVOA_N
ClientSampled :

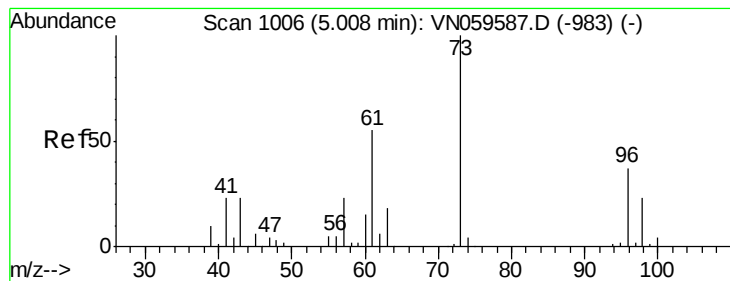
Tot Ion: 73 Resp: 170712
Ion Ratio Lower Upper
73 100
57 22.5 18.6 27.8



#20
Methylene Chloride
Concen: 19.097 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 84 Resp: 57455
Ion Ratio Lower Upper
84 100
49 125.8 106.6 160.0
51 40.1 31.9 47.9
86 62.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.042 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampled :

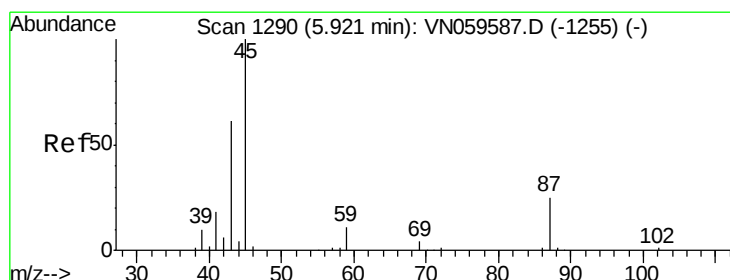
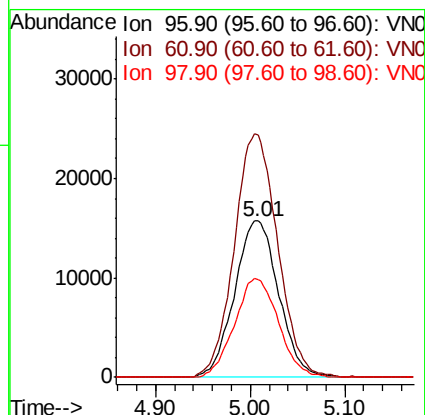
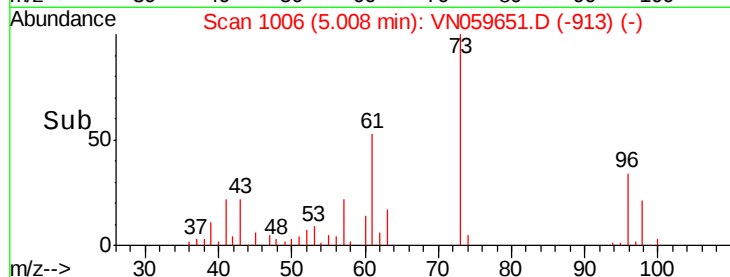
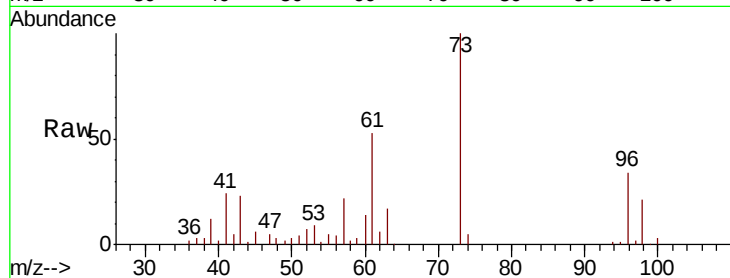
Tot Ion: 96 Resp: 50867

Ion Ratio Lower Upper

96 100

61 155.6 120.4 180.6

98 62.9 50.6 75.8



#22

Diisopropyl ether

Concen: 20.093 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion: 45 Resp: 192319

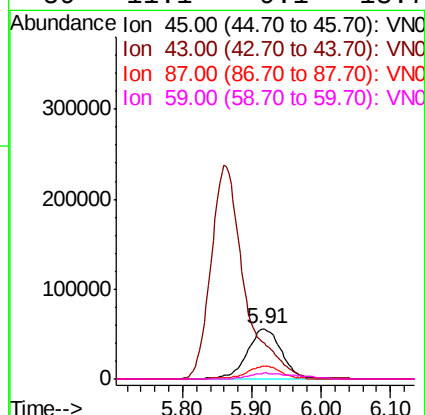
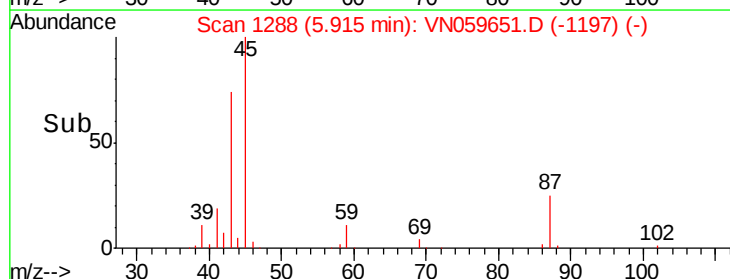
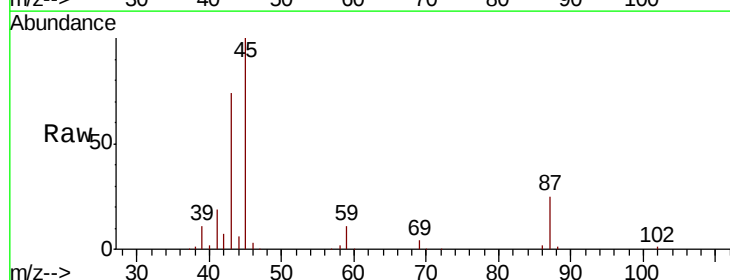
Ion Ratio Lower Upper

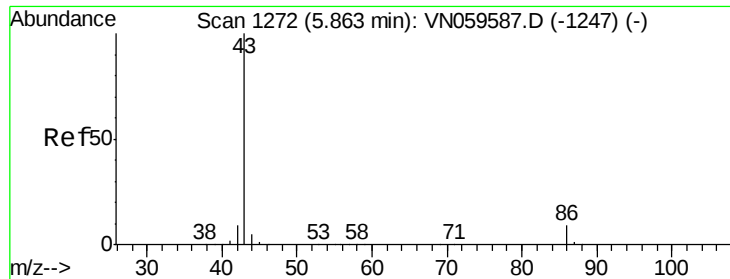
45 100

43 72.8 50.8 76.2

87 24.6 21.0 31.6

59 11.1 9.1 13.7





#23

Vinyl Acetate

Concen: 106.633 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

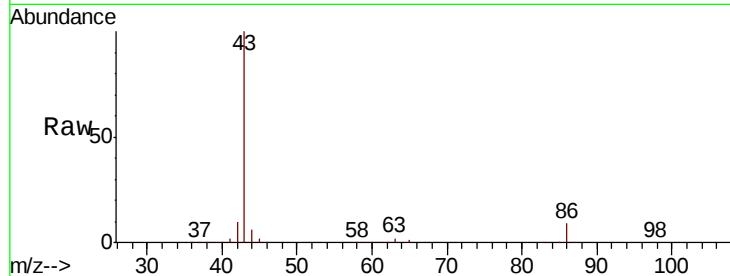
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 800975

Ion Ratio Lower Upper

43 100

86 9.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN059587.D (-1247) (-)

5.86

250000

200000

150000

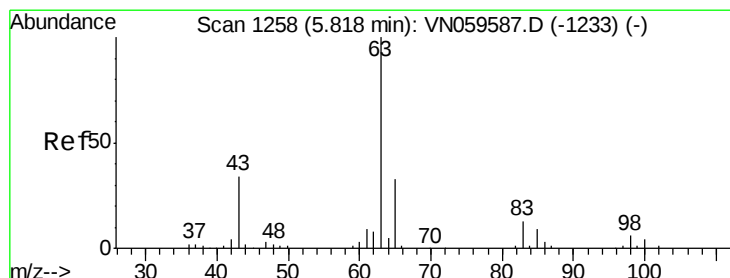
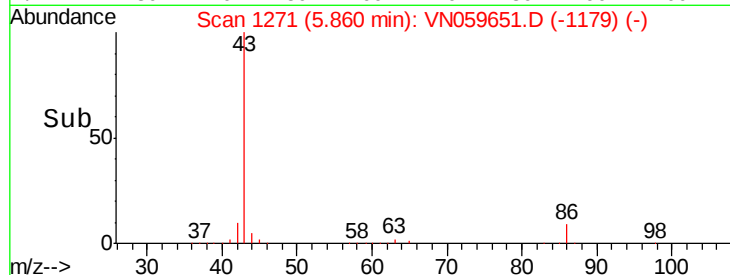
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.555 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

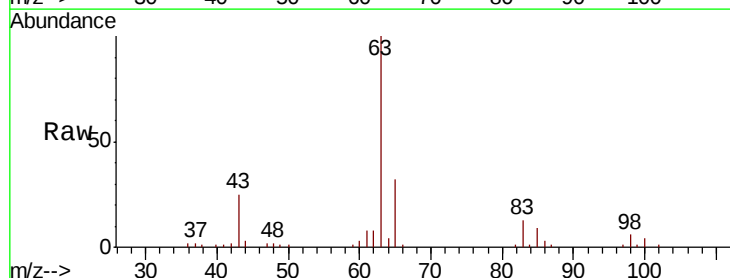
Tgt Ion: 63 Resp: 106028

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059587.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059587.D (-1233) (-)

5.81

40000

30000

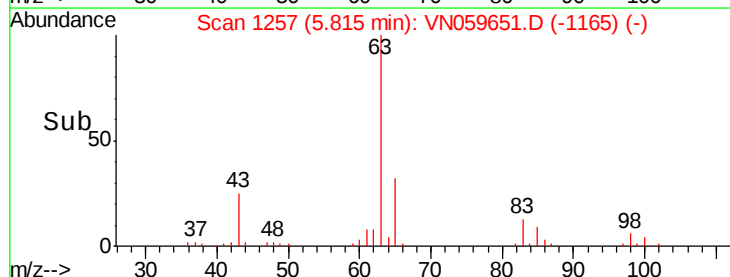
20000

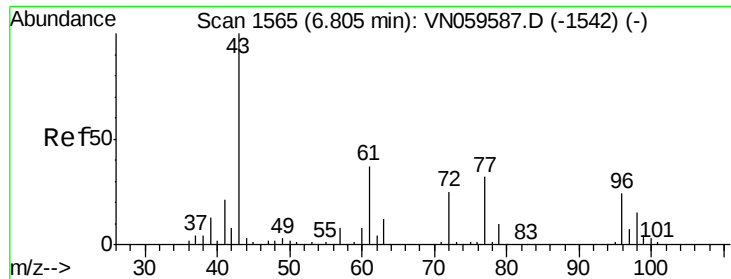
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 86.853 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

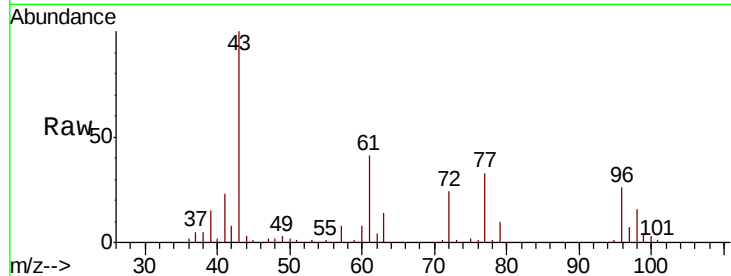
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 216356

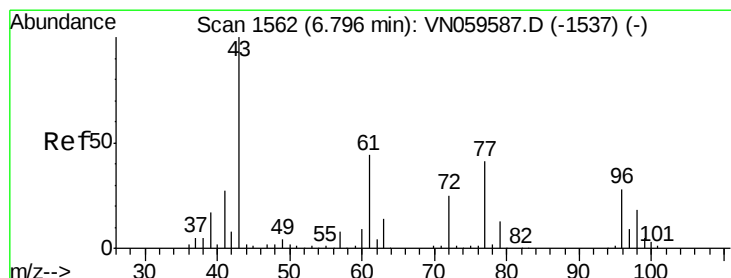
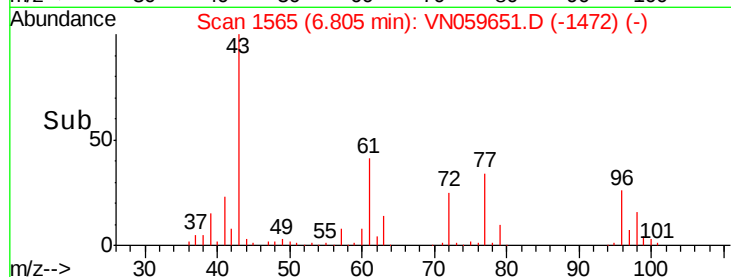
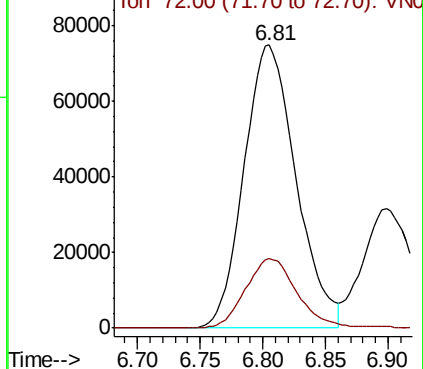
Ion Ratio Lower Upper

43 100

72 24.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1542) (-)



#26

2,2-Dichloropropane

Concen: 18.906 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059651.D

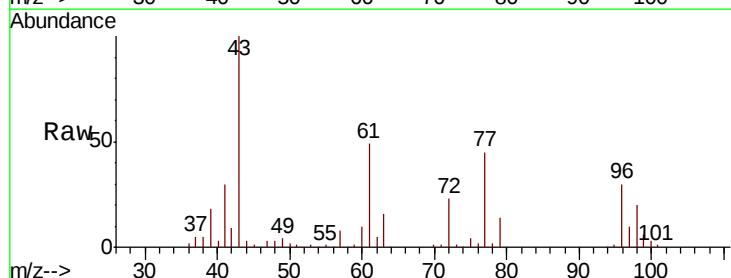
Acq: 18 Dec 2019 16:04

Tgt Ion: 77 Resp: 93164

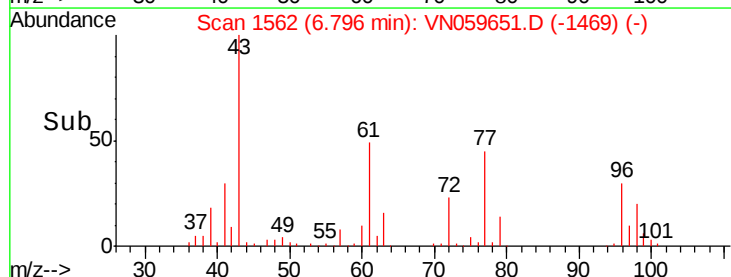
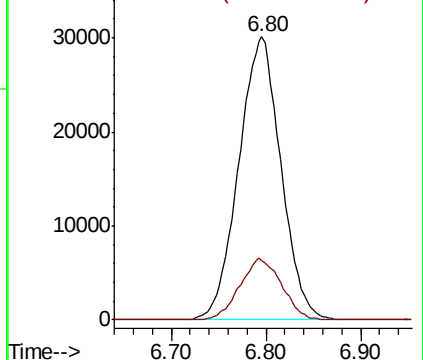
Ion Ratio Lower Upper

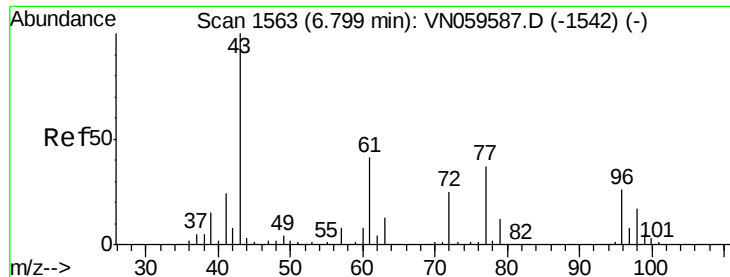
77 100

97 21.4 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059587.D (-1537) (-)





#27

cis-1,2-Dichloroethene

Concen: 18.780 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

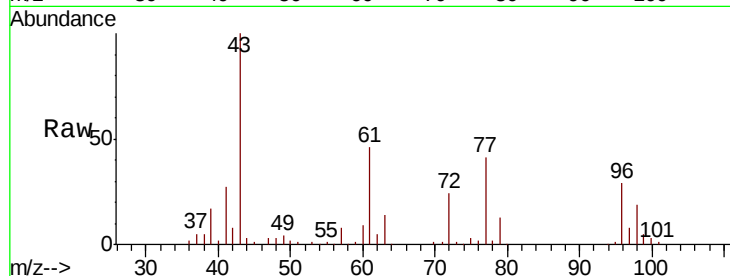
Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 58673

Ion	Ratio	Lower	Upper
96	100		
61	164.3	0.0	317.6
98	64.1	0.0	127.0

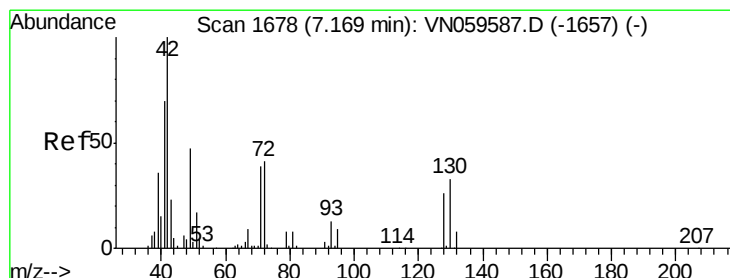
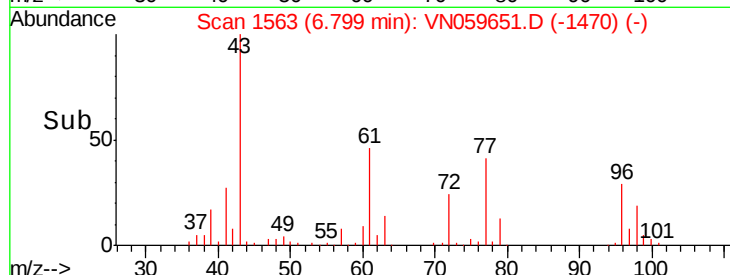
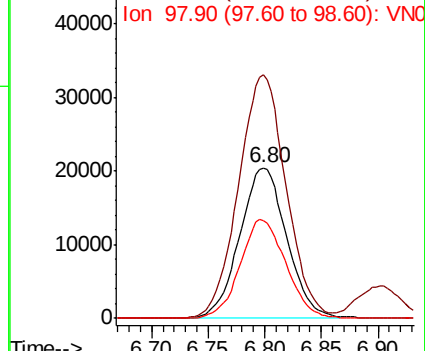


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.731 ug/l

RT: 7.17 min Scan# 1678

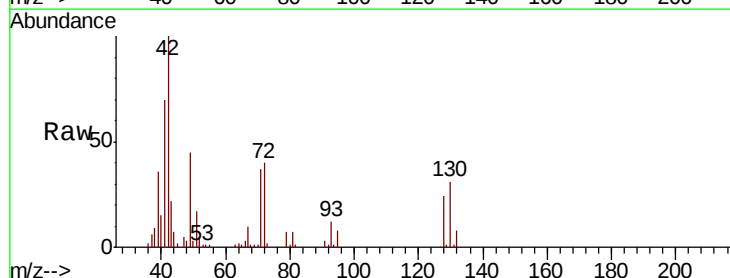
Delta R.T. 0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion: 49 Resp: 44300

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.4
130	67.9	54.7	82.1

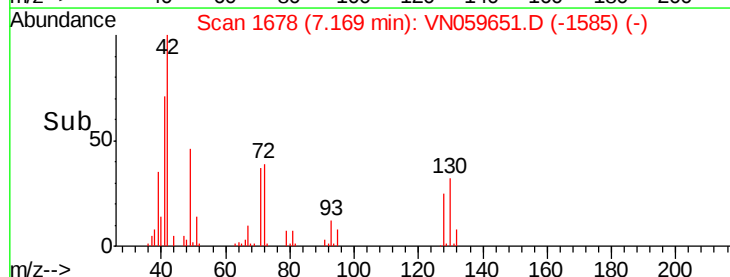
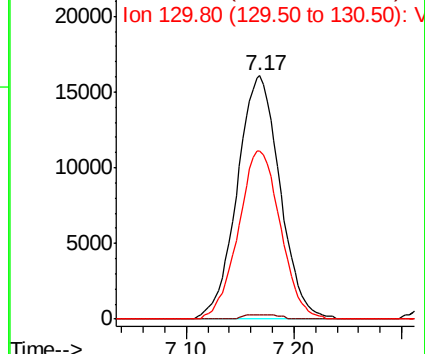


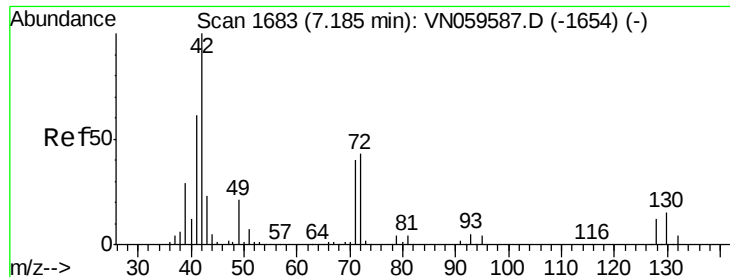
Abundance

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

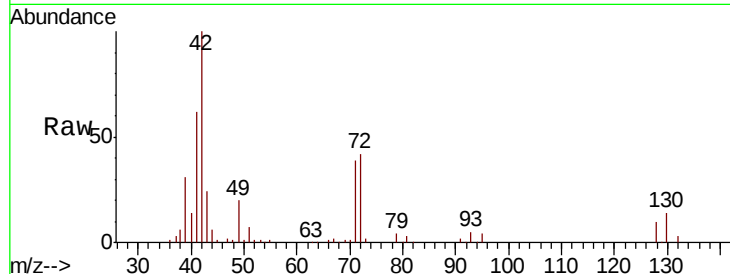




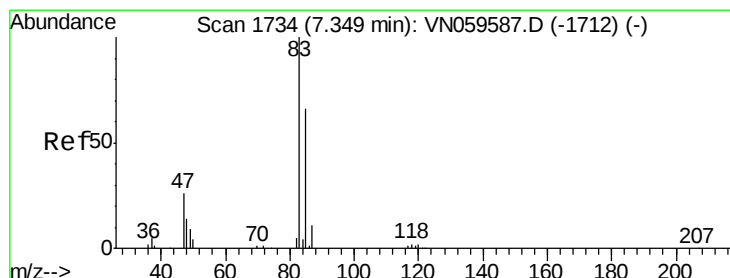
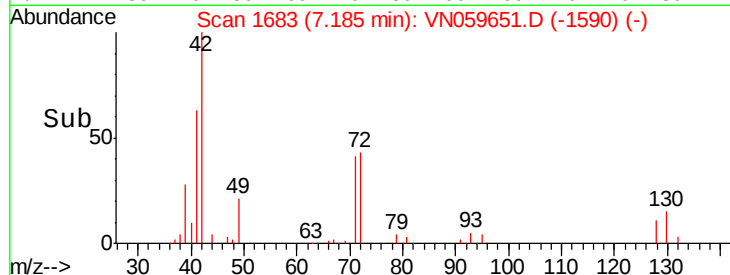
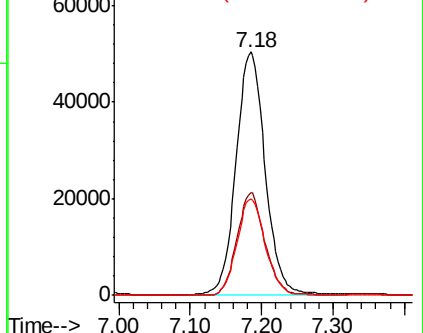
#29
Tetrahydrofuran
Concen: 95.130 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 144385
Ion Ratio Lower Upper
42 100
72 40.0 33.1 49.7
71 38.4 31.4 47.0

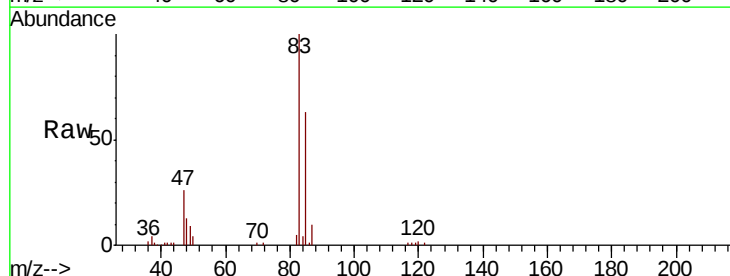


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

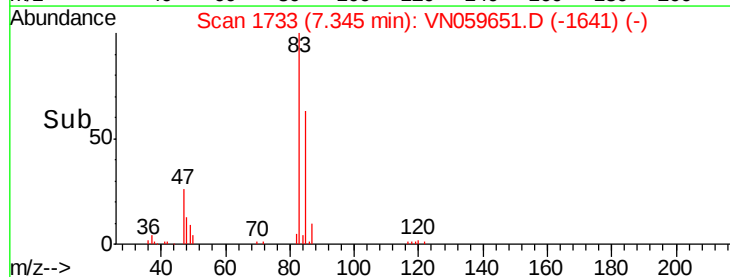
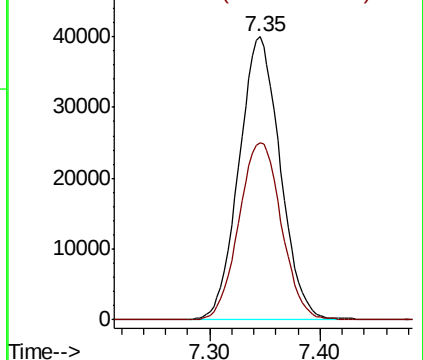


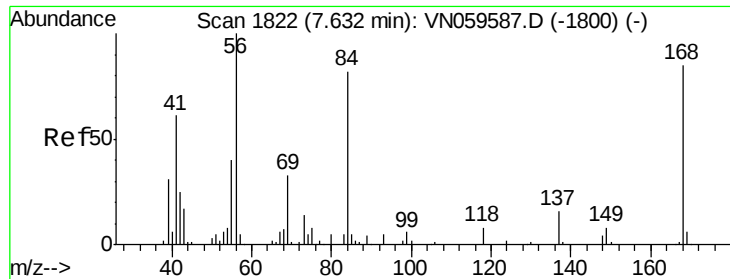
#30
Chloroform
Concen: 19.406 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 83 Resp: 103569
Ion Ratio Lower Upper
83 100
85 62.8 52.4 78.6



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

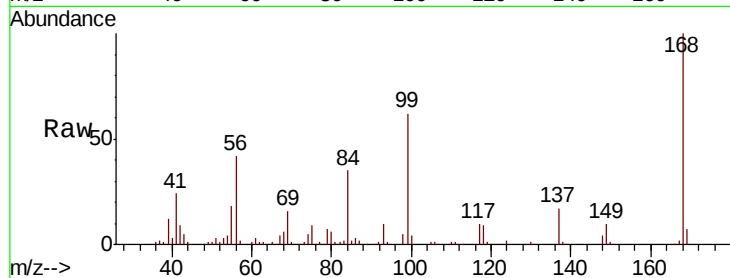




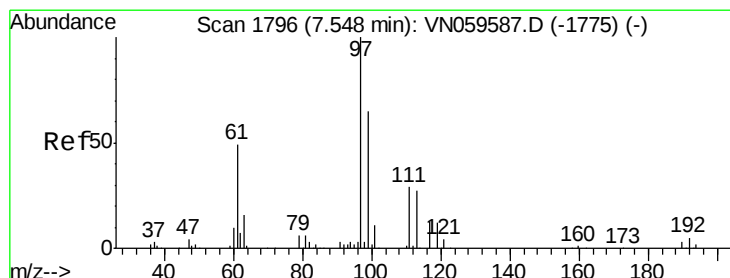
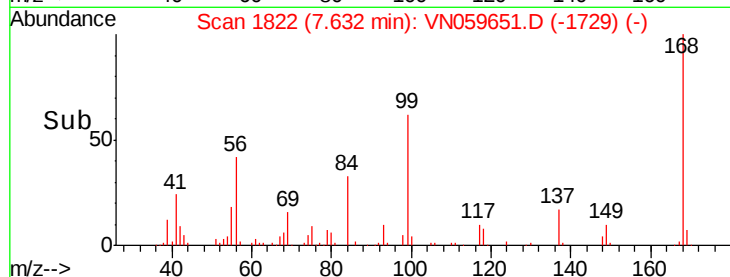
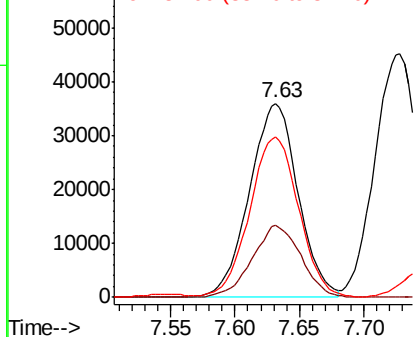
#31
Cyclohexane
Concen: 18.458 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 94564
Ion Ratio Lower Upper
56 100
69 36.9 26.5 39.7
84 81.3 65.3 97.9

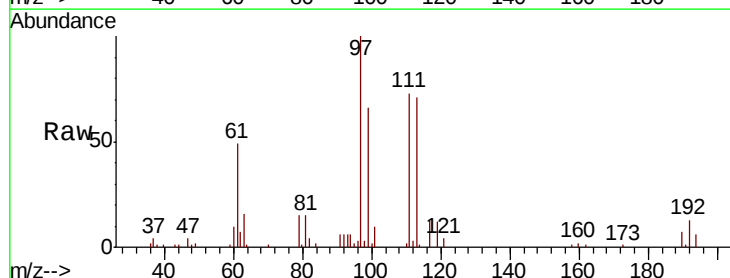


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

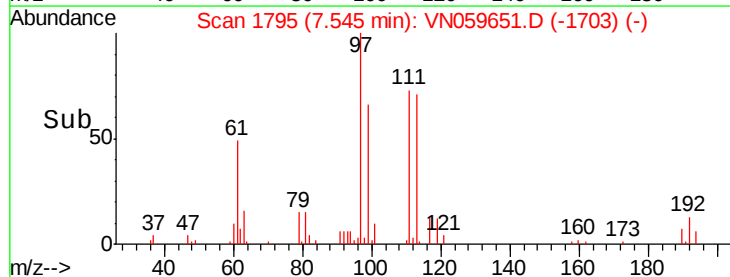
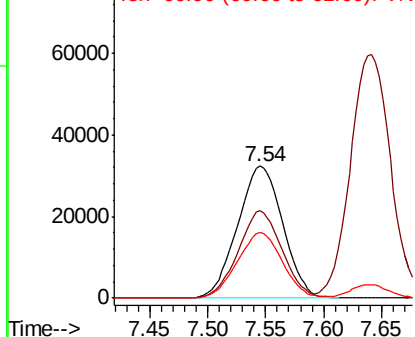


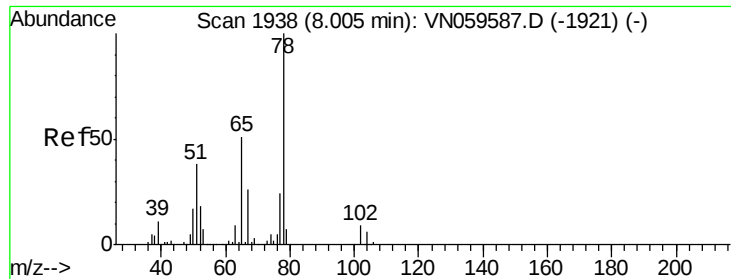
#32
1,1,1-Trichloroethane
Concen: 18.229 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 97 Resp: 87710
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.4
61 49.4 38.5 57.7



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

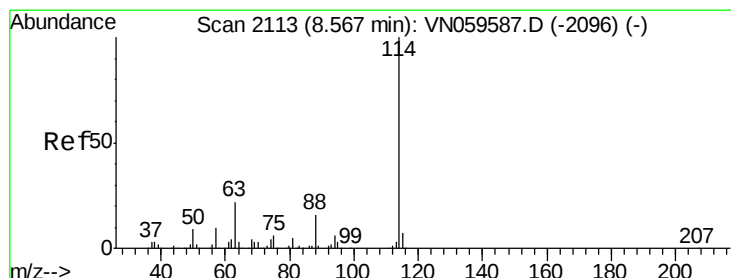
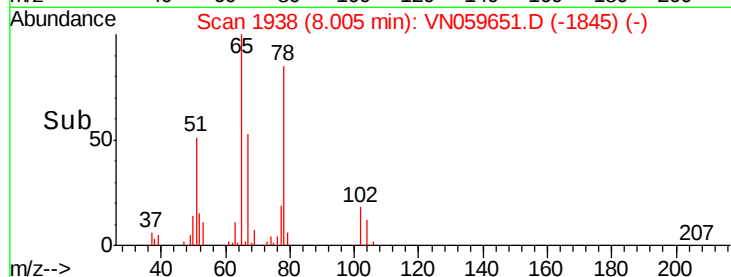
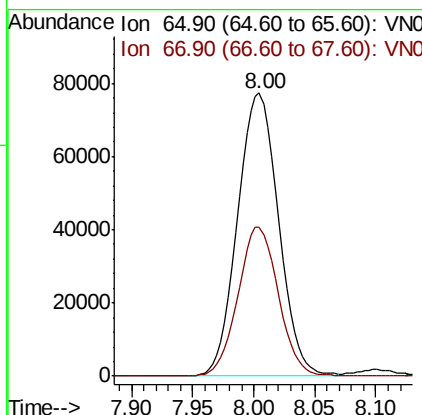
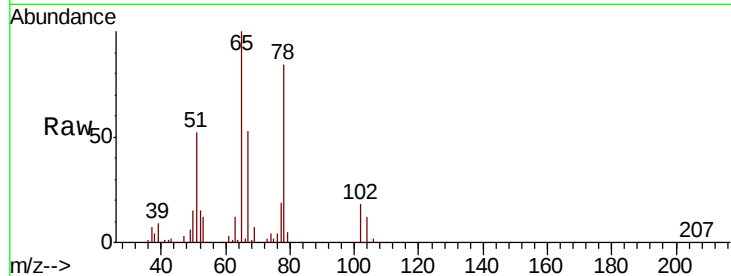




#33
 1,2-Dichloroethane-d4
 Concen: 51.340 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

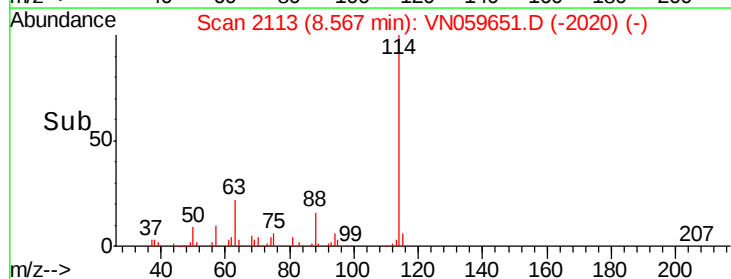
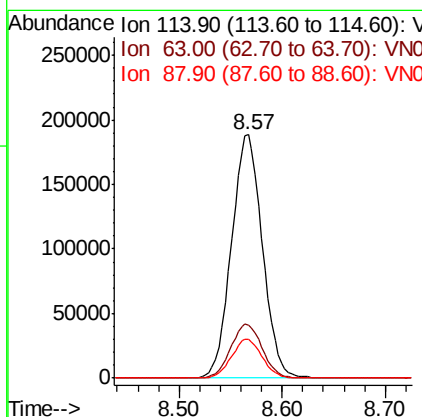
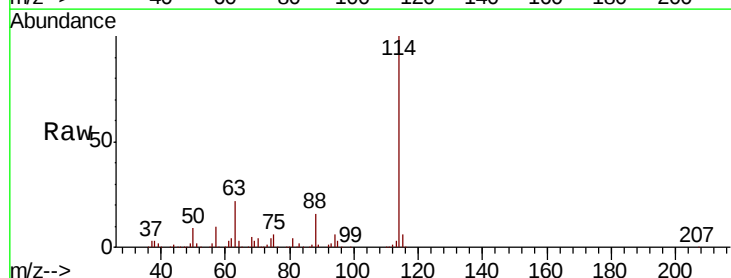
Instrument :
 MSVOA_N
 ClientSampleId :

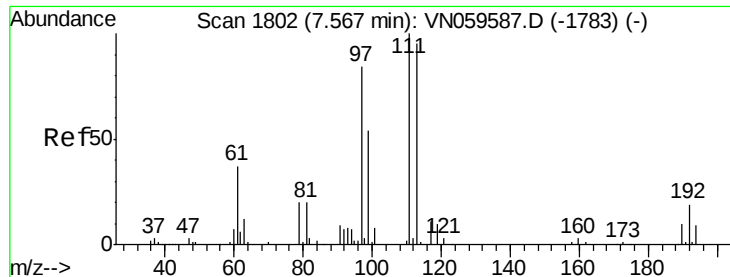
Tot Ion: 65 Resp: 180140
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion: 114 Resp: 392608
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.6
 88 16.1 0.0 31.4

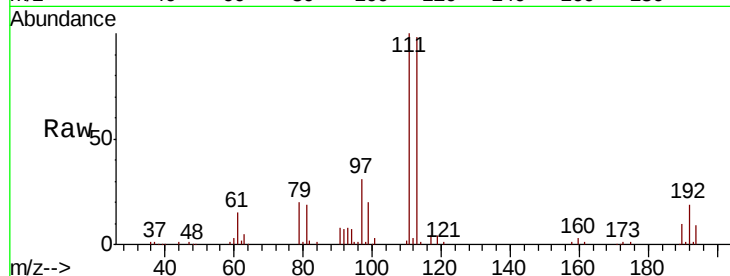




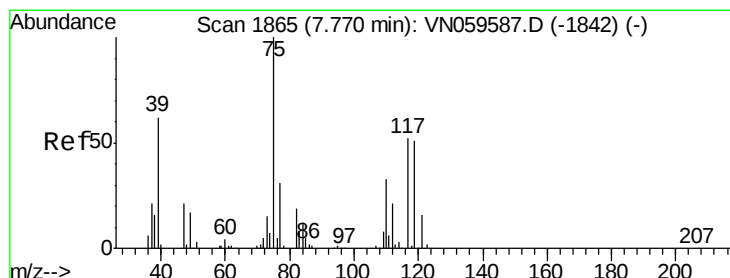
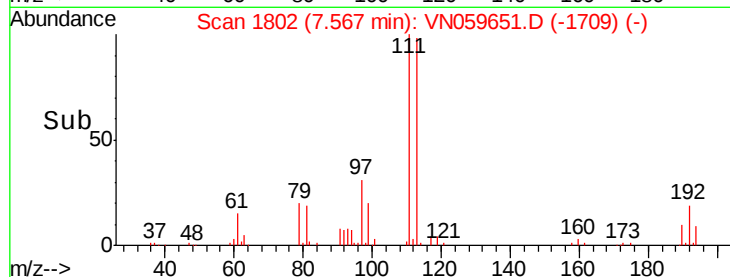
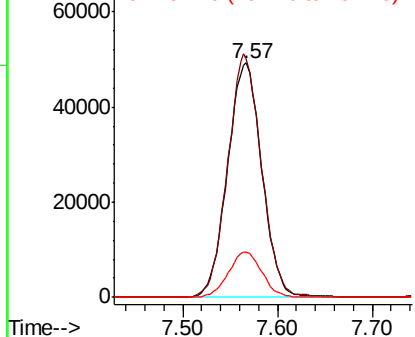
#35
 Dibromofluoromethane
 Concen: 50.522 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.5	125.3
192	18.8	15.4	23.2

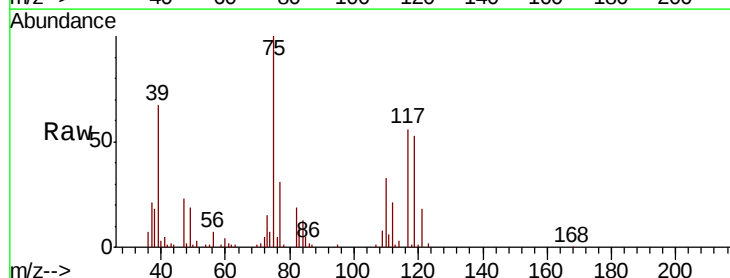


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

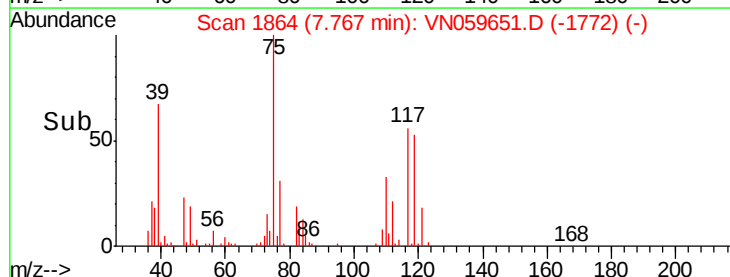
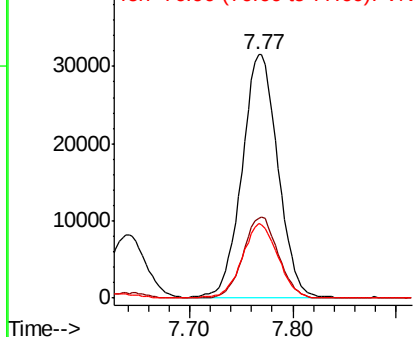


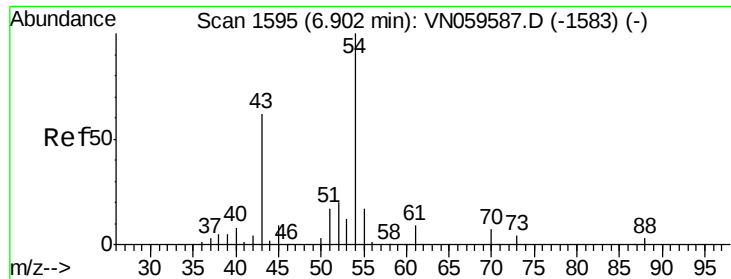
#36
 1,1-Dichloropropene
 Concen: 18.649 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.6	49.7
77	30.4	25.1	37.7



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

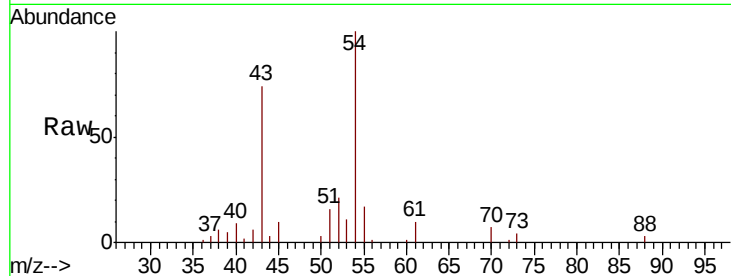




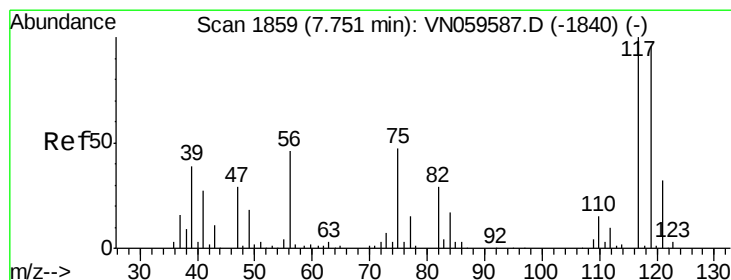
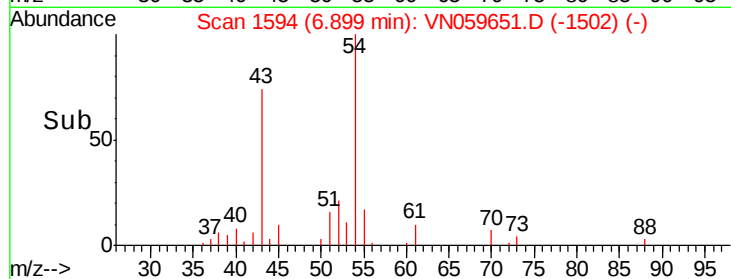
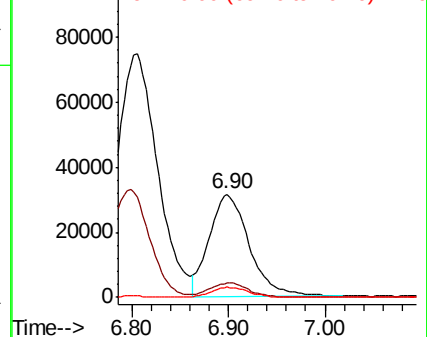
#37
Ethyl Acetate
Concen: 19.032 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 90567
Ion Ratio Lower Upper
43 100
61 13.8 10.9 16.3
70 9.1 7.7 11.5

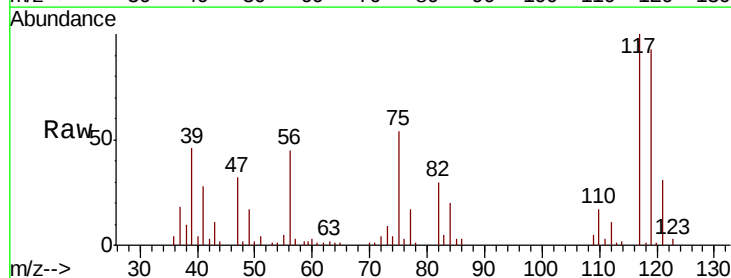


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

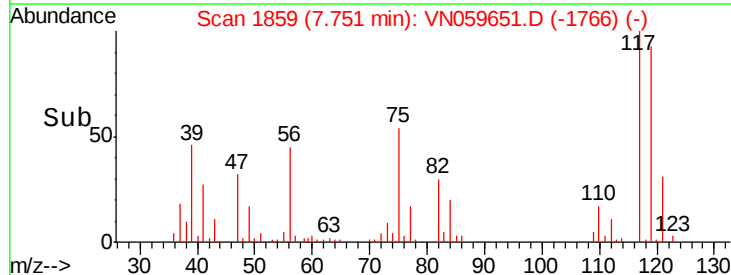
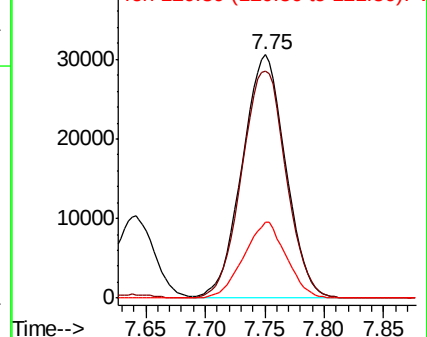


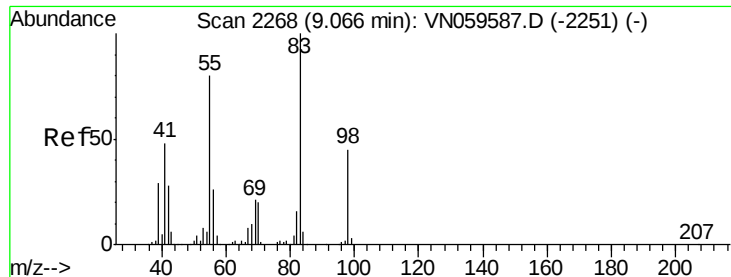
#38
Carbon Tetrachloride
Concen: 18.202 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 117 Resp: 77331
Ion Ratio Lower Upper
117 100
119 93.5 76.5 114.7
121 31.0 25.1 37.7



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

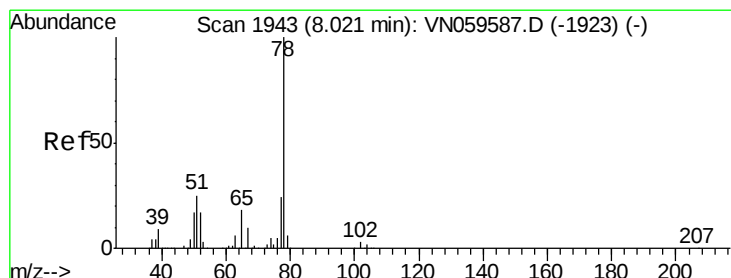
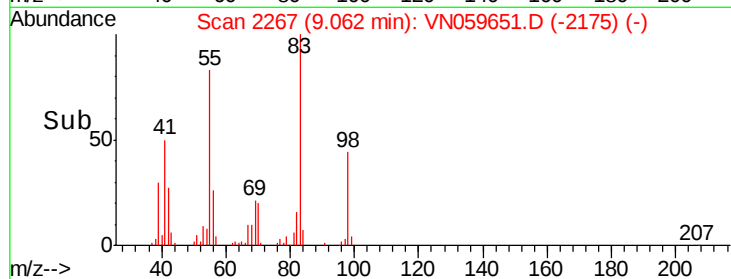
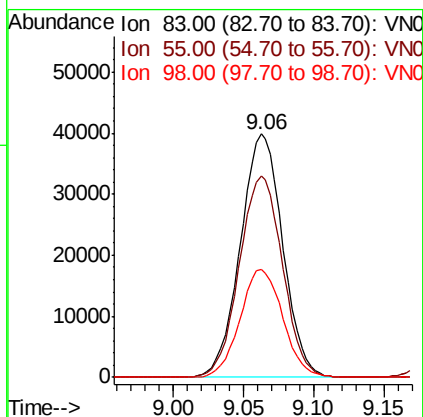
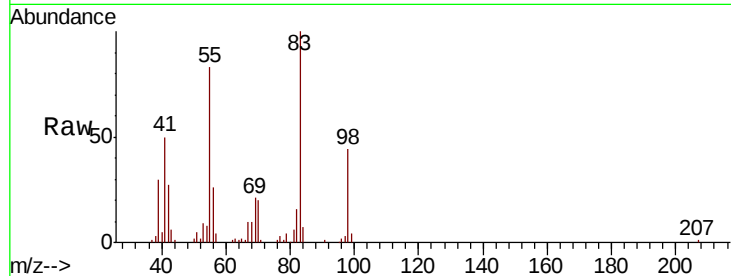




#39
Methvlcvclohexane
Concen: 18.009 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

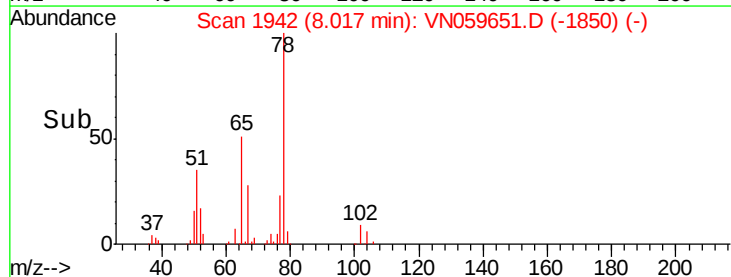
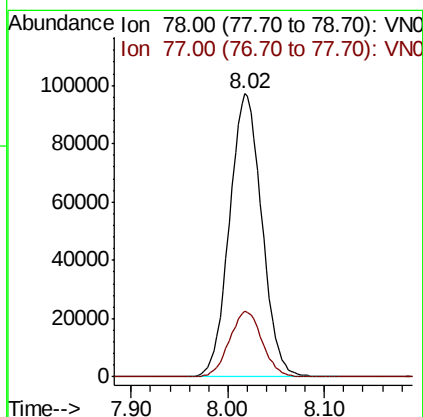
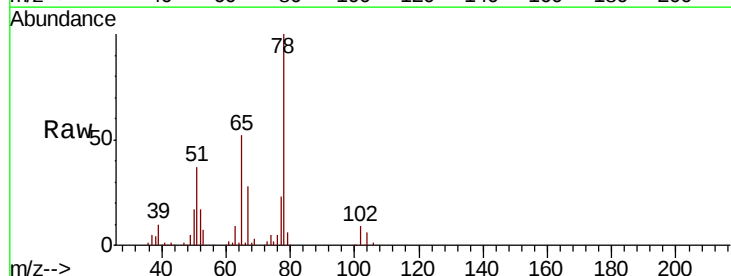
Instrument :
MSVOA_N
ClientSampled :

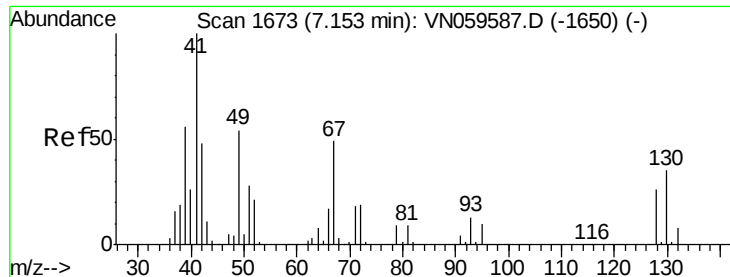
Tot Ion: 83 Resp: 83639
Ion Ratio Lower Upper
83 100
55 82.5 64.2 96.2
98 44.2 35.9 53.9



#40
Benzene
Concen: 18.883 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 78 Resp: 225937
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3

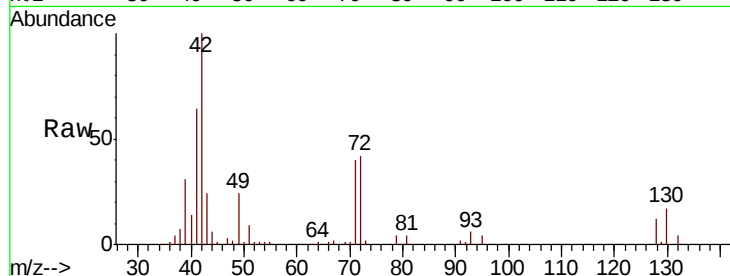




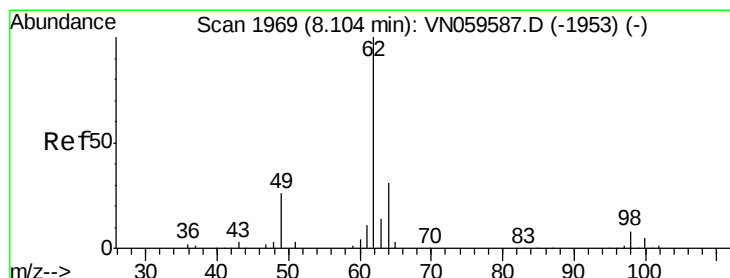
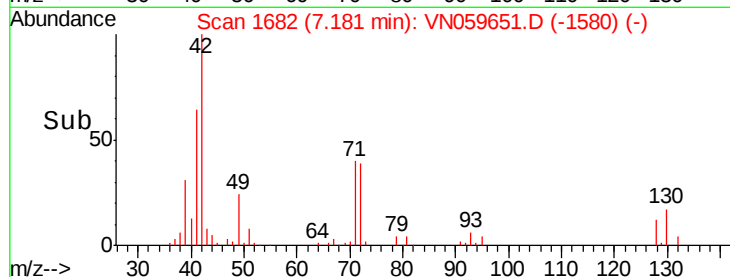
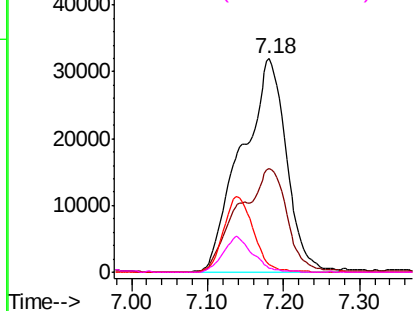
#41
Methacrylonitrile
Concen: 66.738 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	131067
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

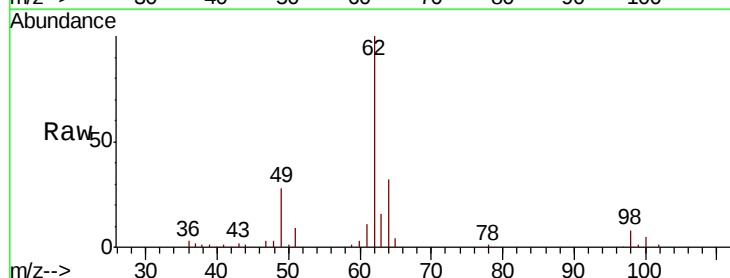


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

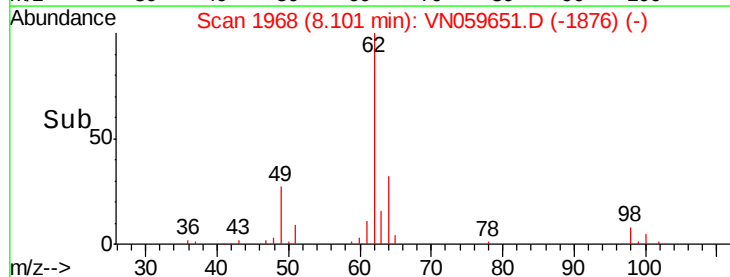
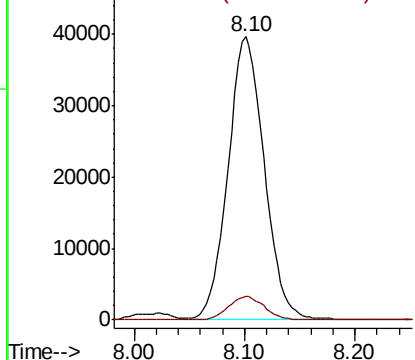


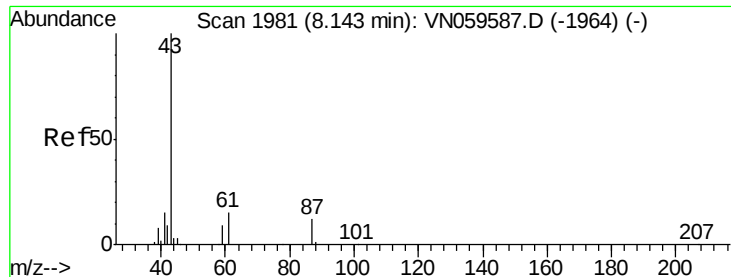
#42
1,2-Dichloroethane
Concen: 19.731 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion:	62	Resp:	90410
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8



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

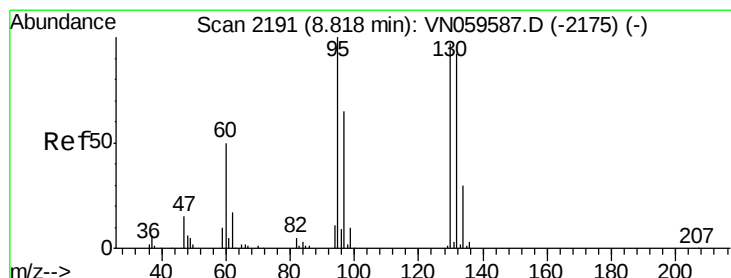
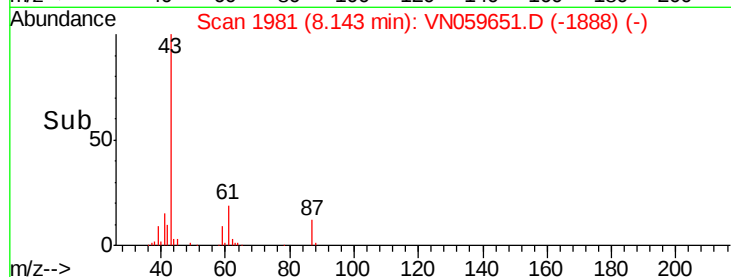
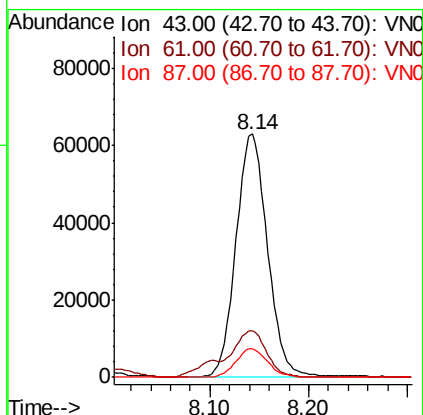
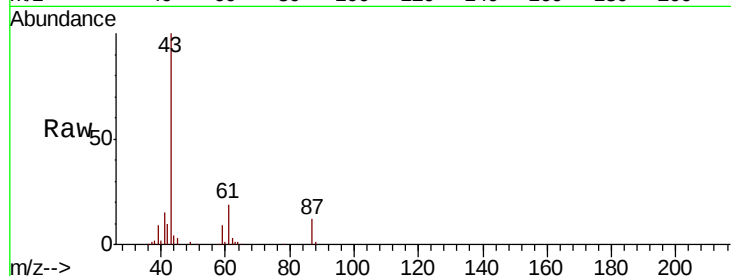




#43
Isopropyl Acetate
Concen: 18.919 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

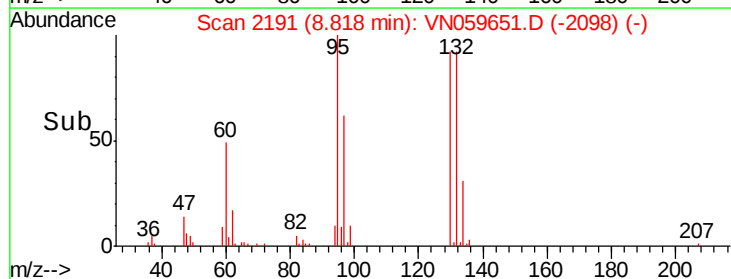
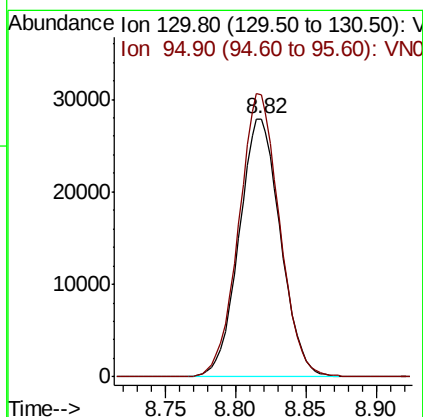
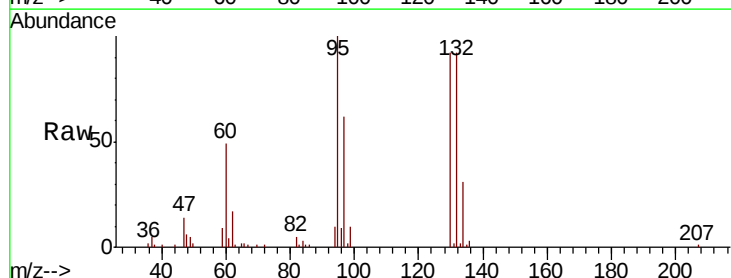
Instrument :
MSVOA_N
ClientSampleId :

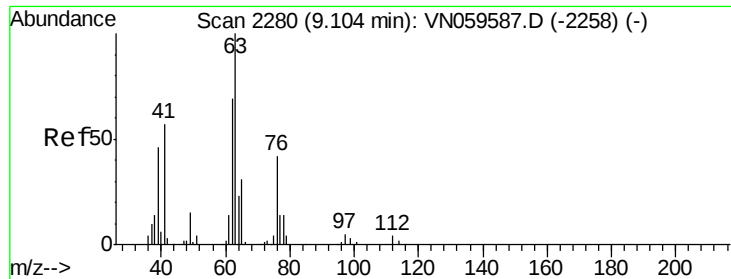
Tot Ion: 43 Resp: 139969
Ion Ratio Lower Upper
43 100
61 20.1 20.2 30.2#
87 11.9 9.5 14.3



#44
Trichloroethene
Concen: 18.274 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion:130 Resp: 57273
Ion Ratio Lower Upper
130 100
95 109.0 0.0 207.0

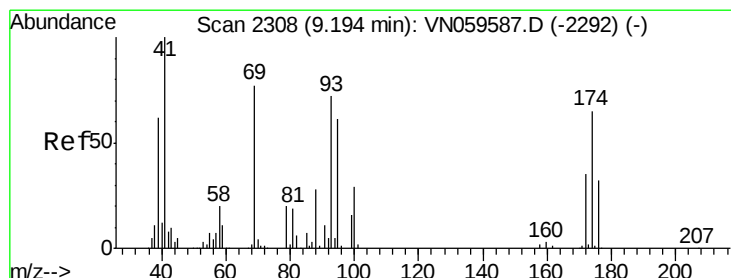
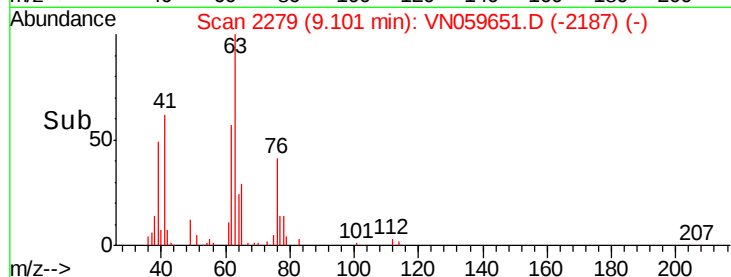
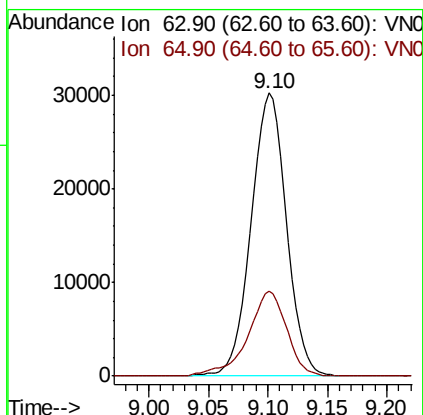
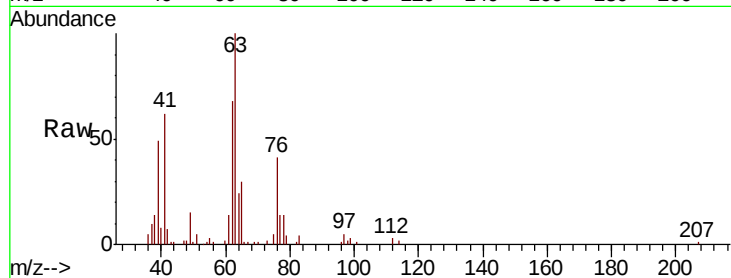




#45
 1,2-Dichloropropane
 Concen: 19.287 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

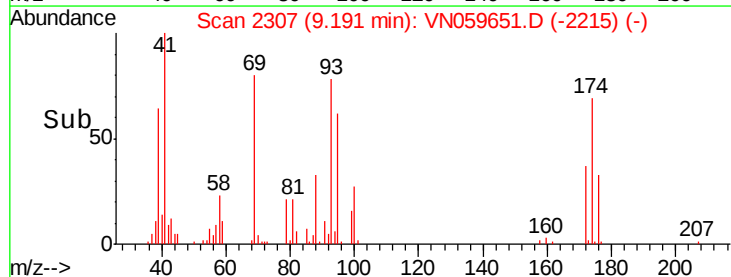
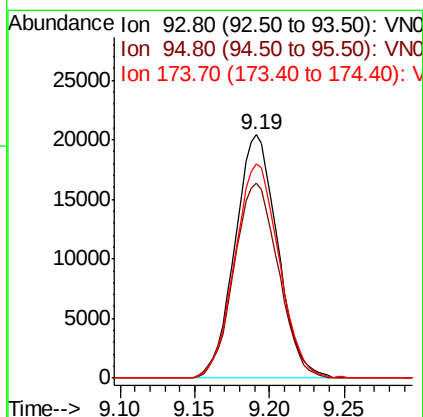
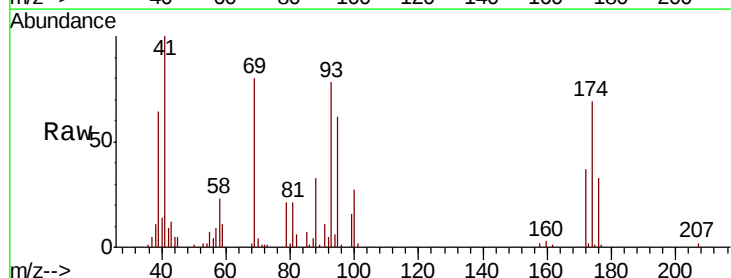
Instrument :
 MSVOA_N
 ClientSampleId :

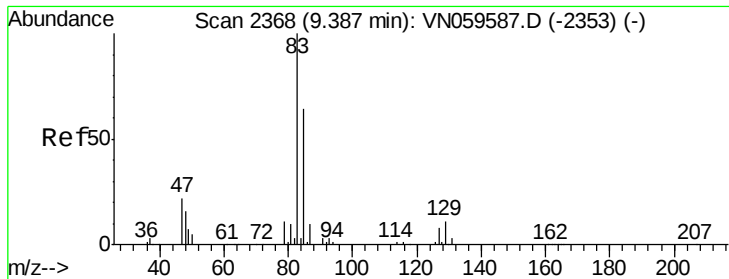
Tot Ion: 63 Resp: 62318
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.9 37.3



#46
 Dibromomethane
 Concen: 19.158 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion: 93 Resp: 40554
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.0 100.6
 174 91.3 73.4 110.2





#47

Bromodichloromethane

Concen: 19.494 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampled :

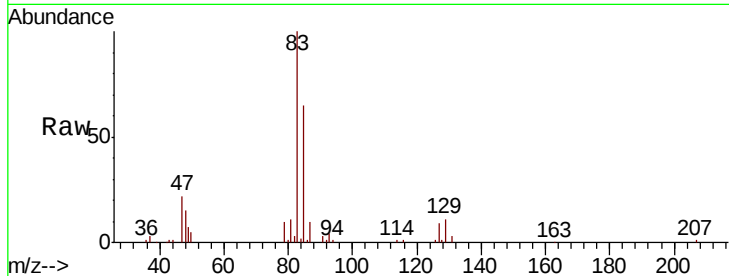
Tot Ion: 83 Resp: 82273

Ion Ratio Lower Upper

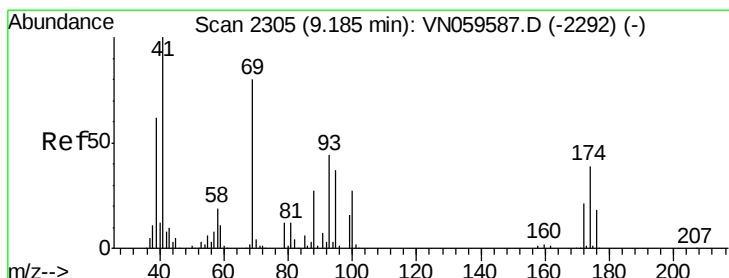
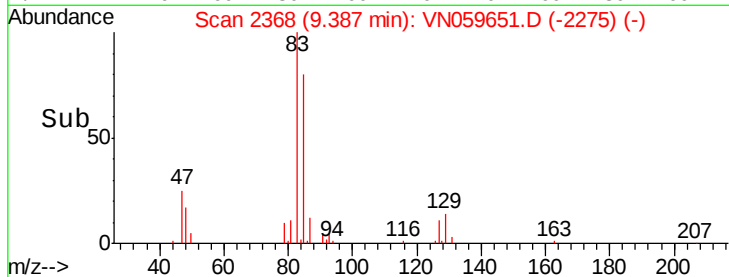
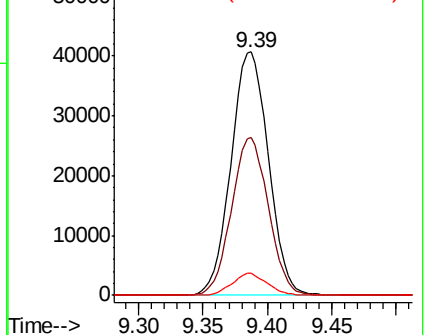
83 100

85 65.0 51.1 76.7

127 8.9 6.6 9.8



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: 18.025 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

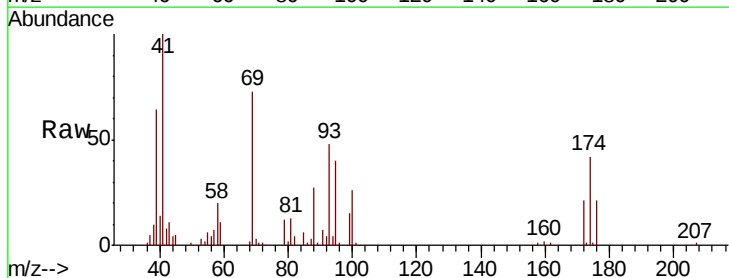
Tgt Ion: 41 Resp: 60503

Ion Ratio Lower Upper

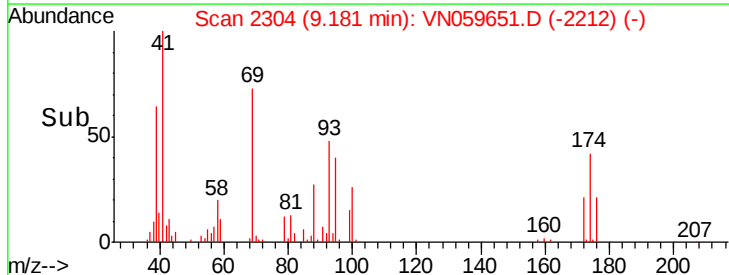
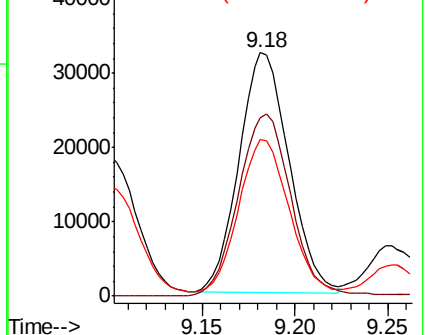
41 100

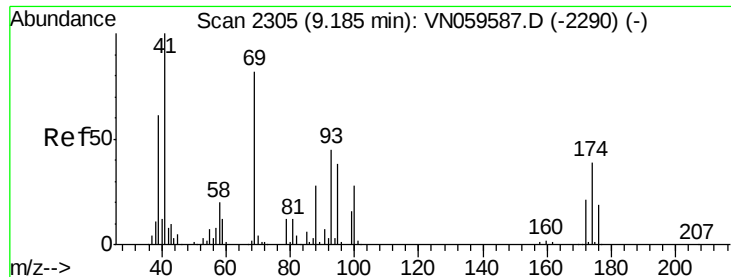
69 80.1 64.4 96.6

39 66.3 51.3 76.9



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

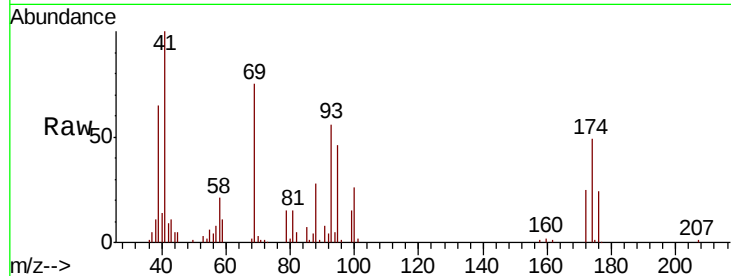




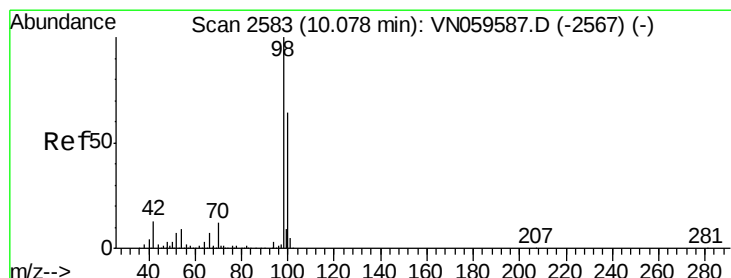
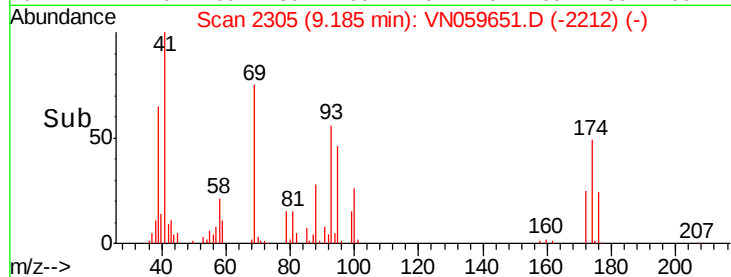
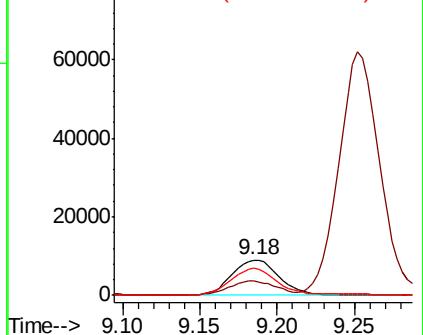
#49
1,4-Dioxane
Concen: 400.824 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 19281
Ion Ratio Lower Upper
88 100
43 40.8 29.7 44.5
58 74.7 56.6 85.0

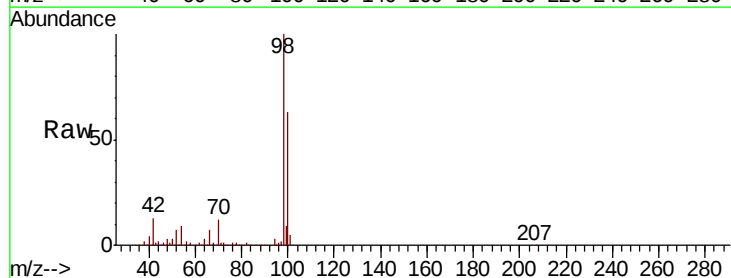


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

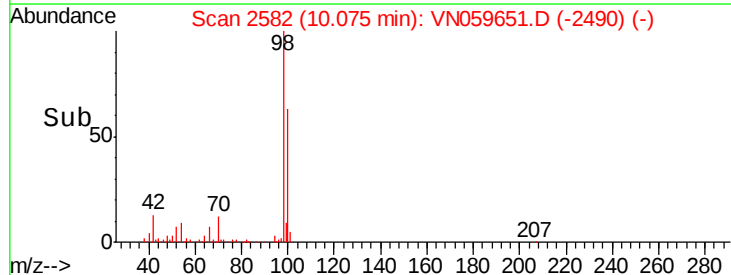
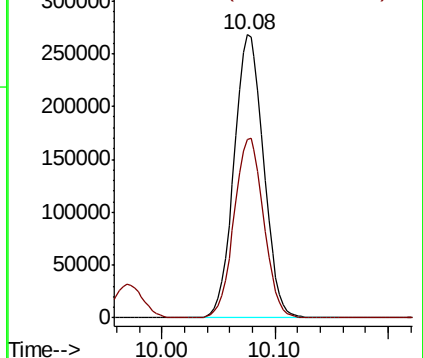


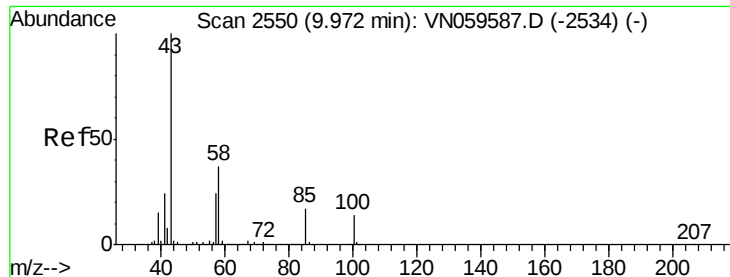
#50
Toluene-d8
Concen: 50.200 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 98 Resp: 488227
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



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: 98.146 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

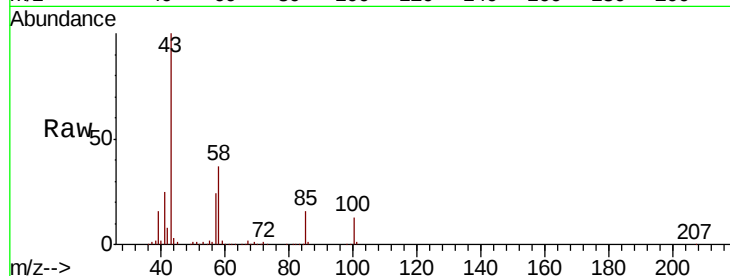
ClientSampleId :

Tot Ion: 43 Resp: 432937

Ion Ratio Lower Upper

43 100

58 36.7 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.97

250000

200000

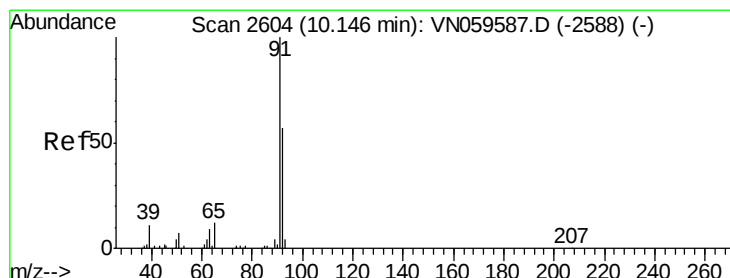
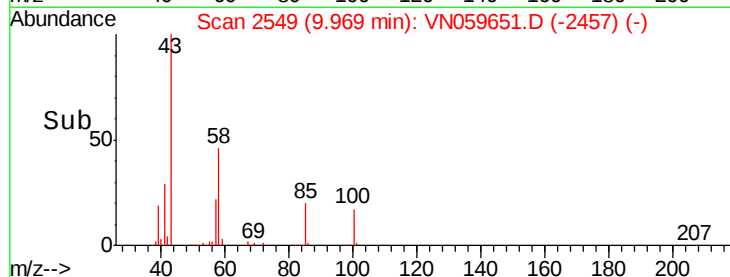
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.670 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059651.D

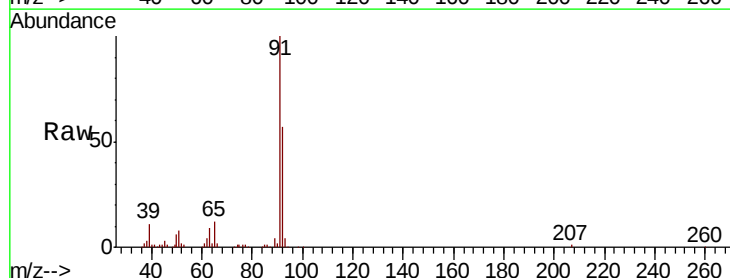
Acq: 18 Dec 2019 16:04

Tgt Ion: 92 Resp: 137257

Ion Ratio Lower Upper

92 100

91 173.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

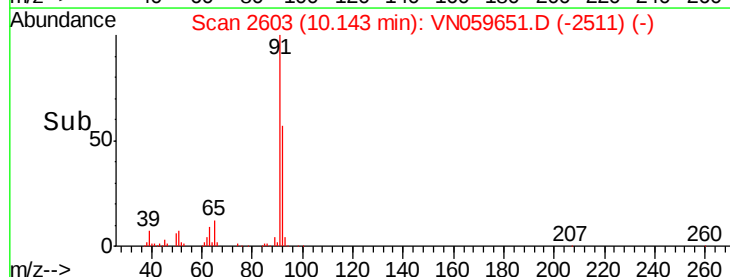
150000

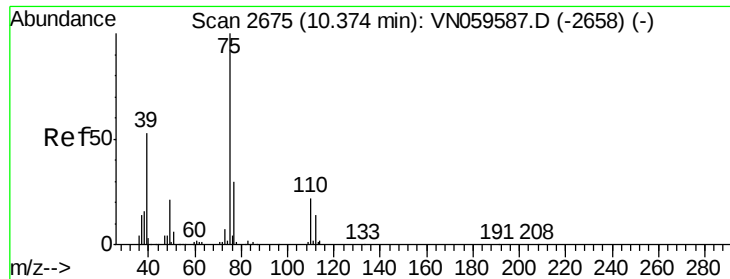
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.773 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

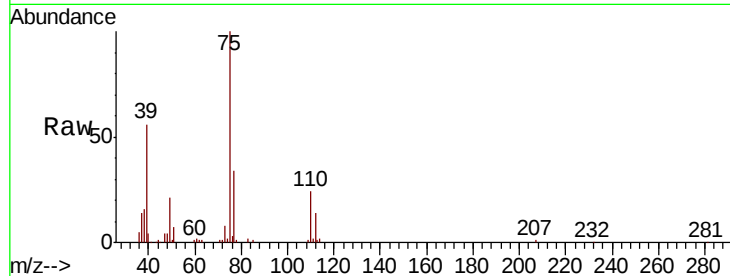
ClientSampled :

Tot Ion: 75 Resp: 91630

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

50000

40000

30000

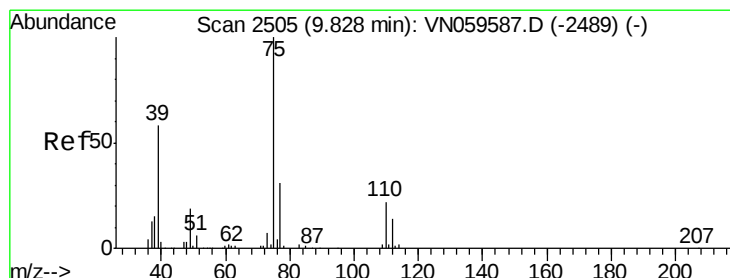
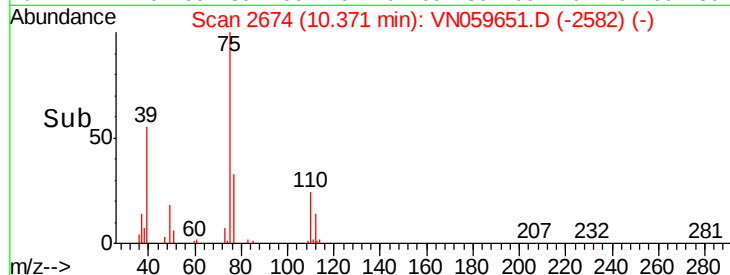
20000

10000

0

Time-->

10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 19.303 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

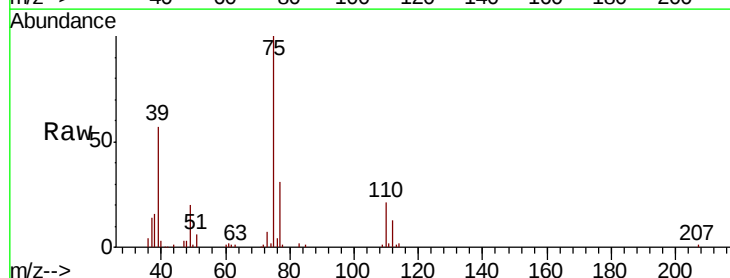
Tgt Ion: 75 Resp: 99037

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 56.9 46.1 69.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.82

60000

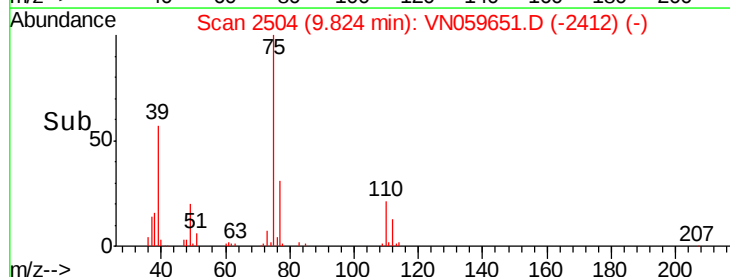
40000

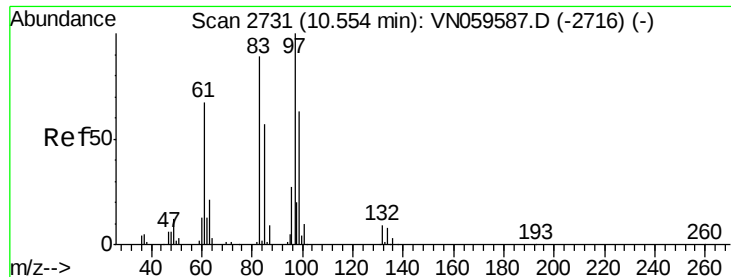
20000

0

Time-->

9.75 9.80 9.85 9.90

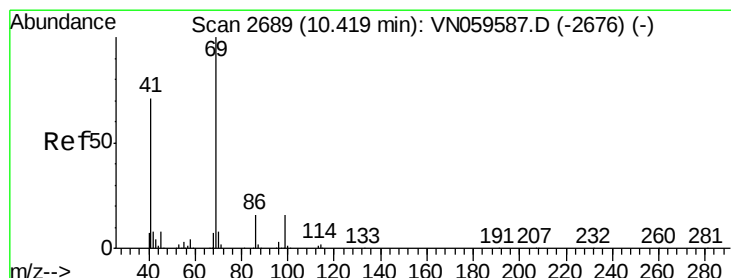
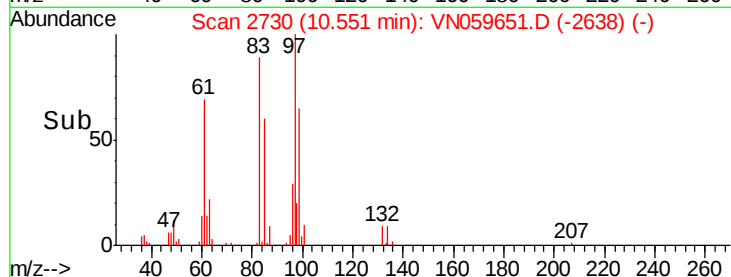
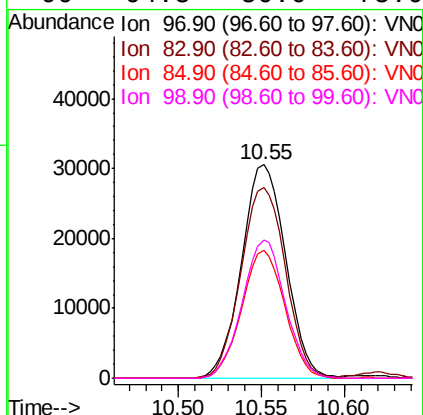
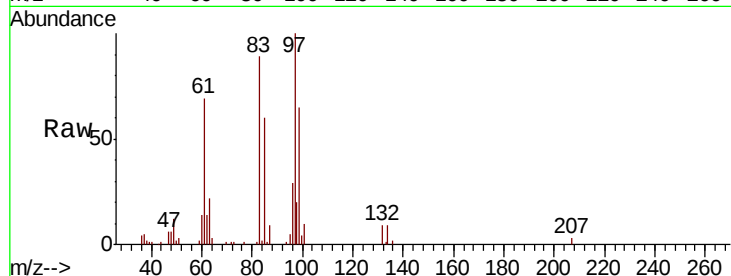




#55
 1,1,2-Trichloroethane
 Concen: 19.671 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

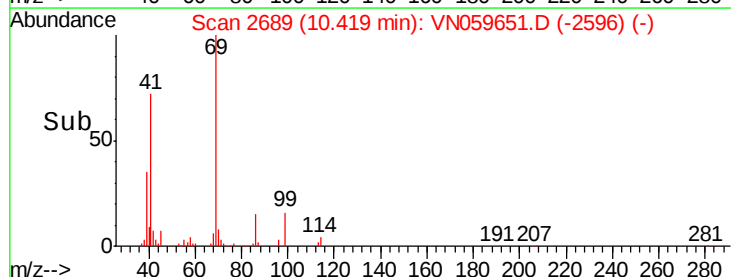
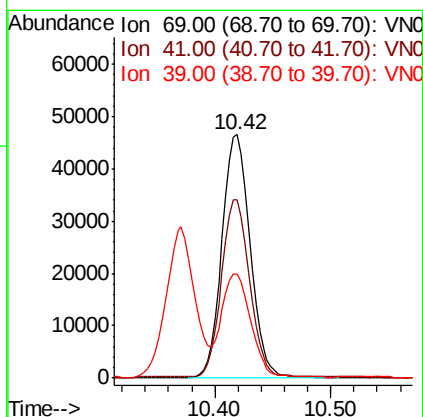
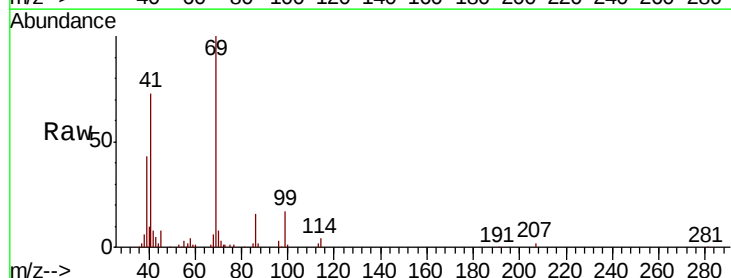
Instrument :
 MSVOA_N
 ClientSampleId :

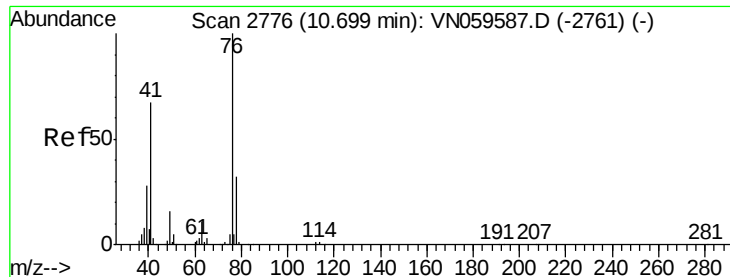
Tot Ion:	97	Resp:	56748
Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.3	106.9
85	59.8	45.8	68.8
99	64.8	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 18.355 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion:	69	Resp:	78611
Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.1	85.7
39	43.6	34.7	52.1





#57

1,3-Dichloropropane

Concen: 19.562 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

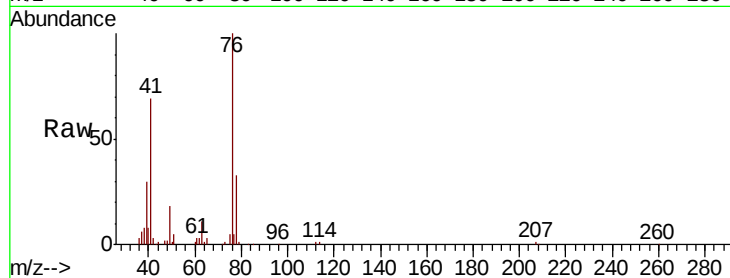
ClientSampled :

Tot Ion: 76 Resp: 98259

Ion Ratio Lower Upper

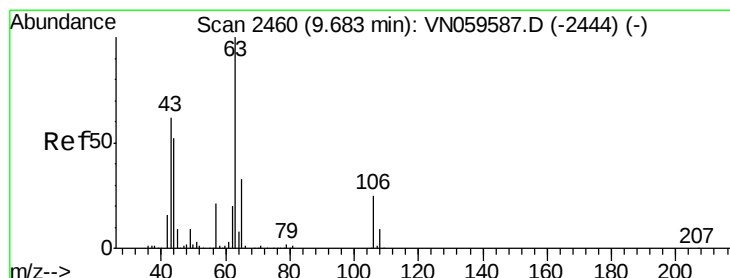
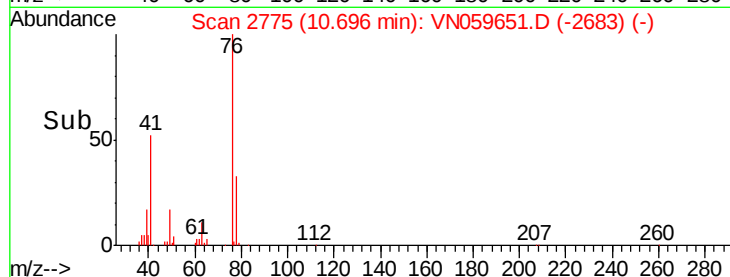
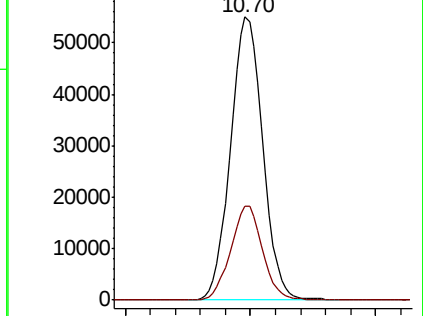
76 100

78 32.8 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 115.313 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059651.D

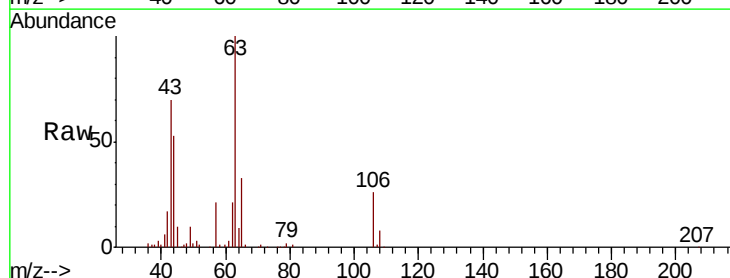
Acq: 18 Dec 2019 16:04

Tgt Ion: 63 Resp: 157066

Ion Ratio Lower Upper

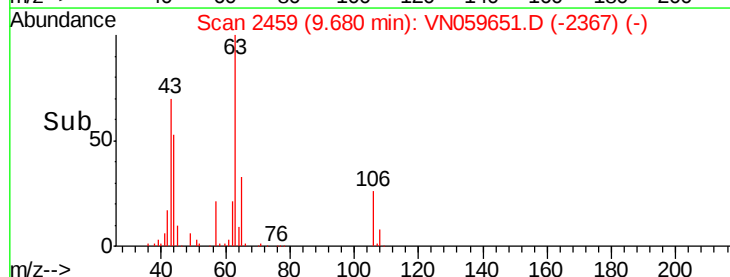
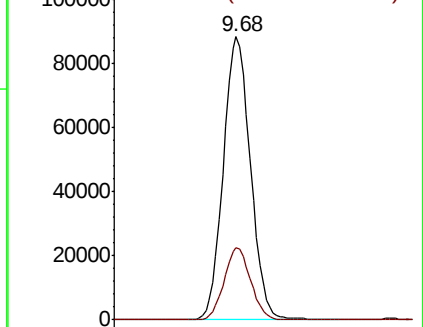
63 100

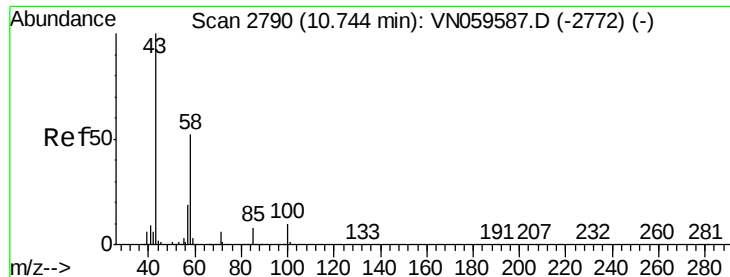
106 24.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

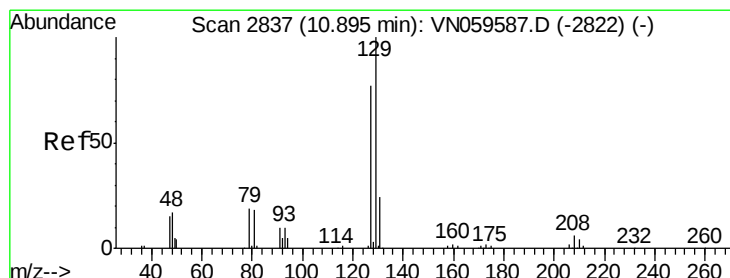
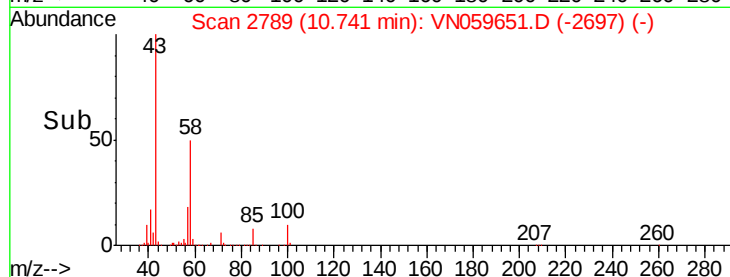
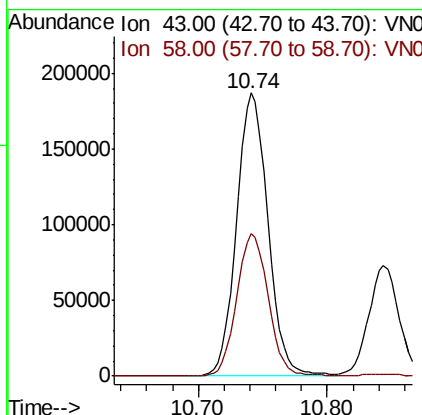
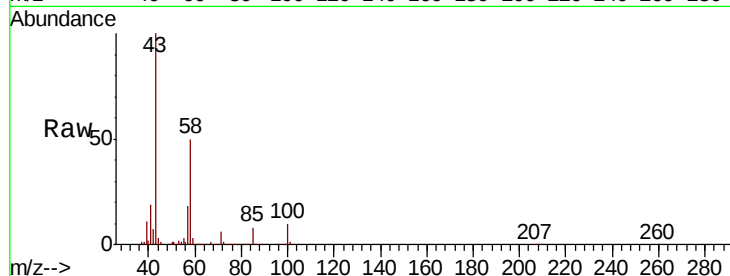




#59
2-Hexanone
Concen: 90.750 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

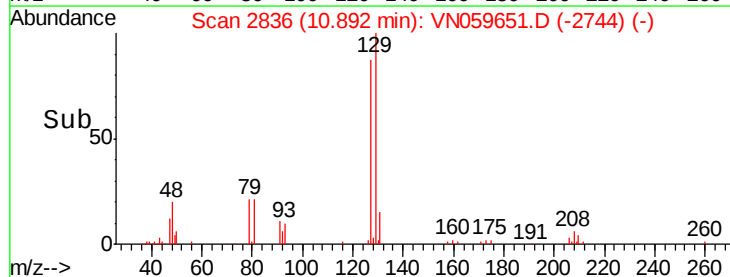
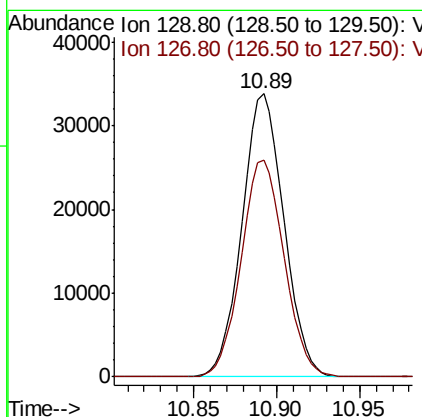
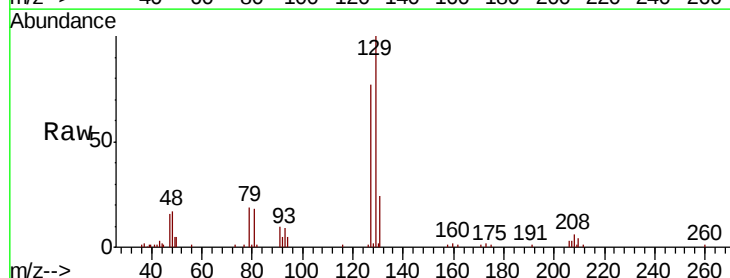
Instrument :
MSVOA_N
ClientSampled :

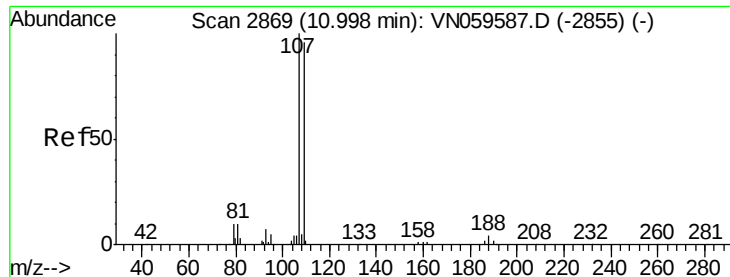
Tot Ion: 43 Resp: 315499
Ion Ratio Lower Upper
43 100
58 50.8 25.8 77.3



#60
Dibromochloromethane
Concen: 18.925 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 129 Resp: 59588
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.865 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

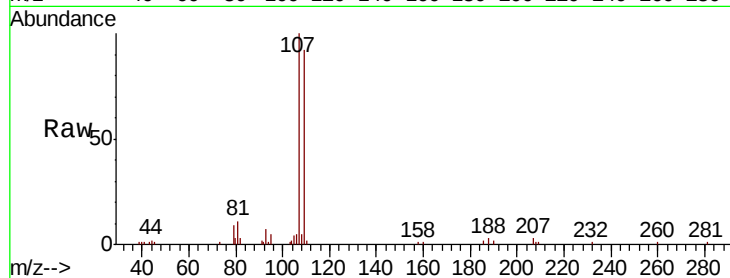
ClientSampleId :

Tot Ion:107 Resp: 57719

Ion Ratio Lower Upper

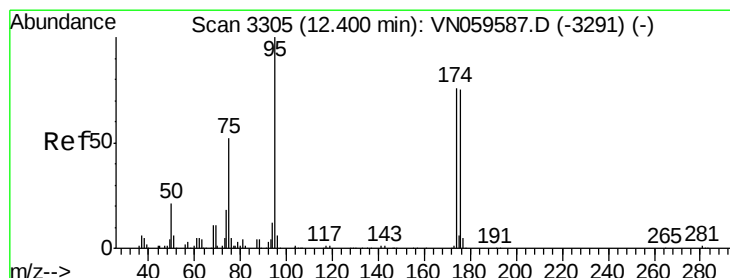
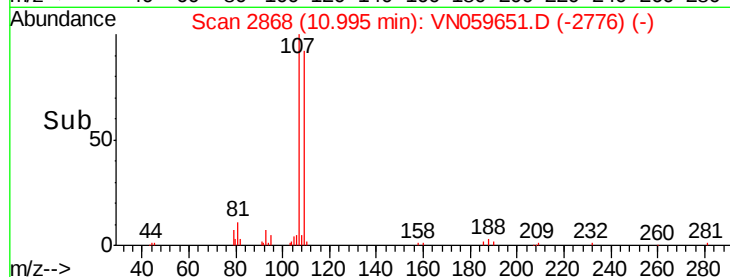
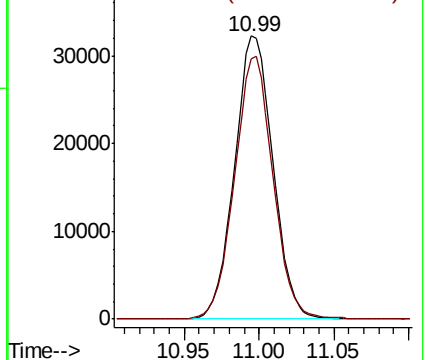
107 100

109 92.7 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.356 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

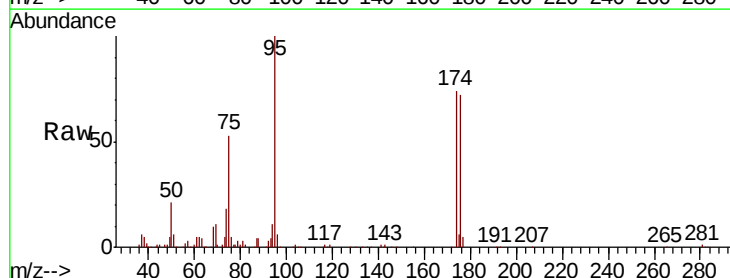
Tgt Ion: 95 Resp: 171607

Ion Ratio Lower Upper

95 100

174 75.4 0.0 151.4

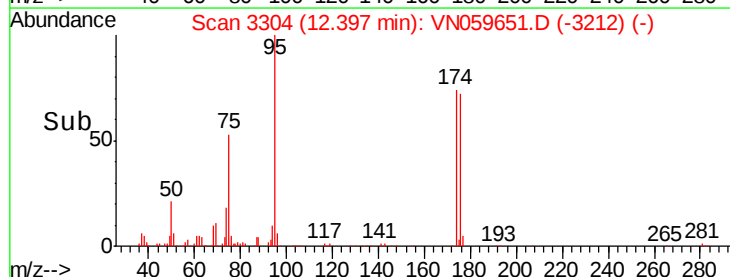
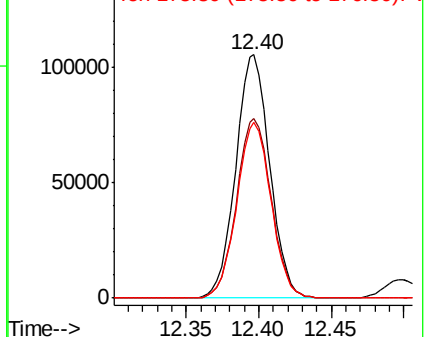
176 73.0 0.0 146.0

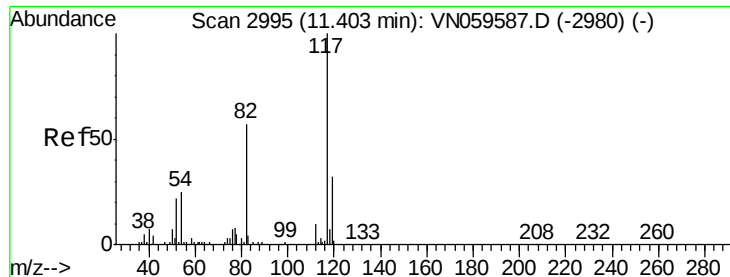


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

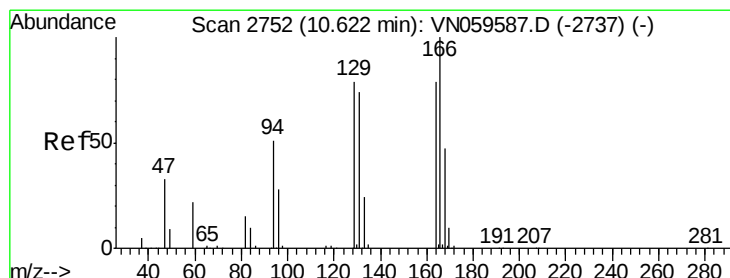
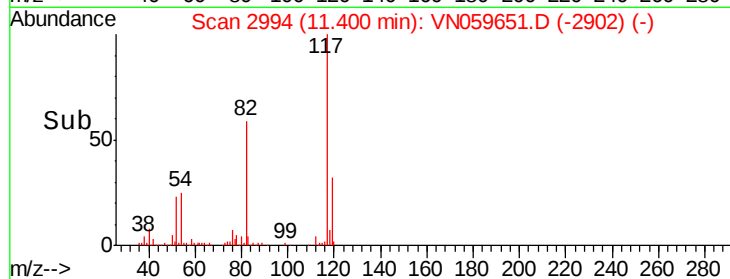
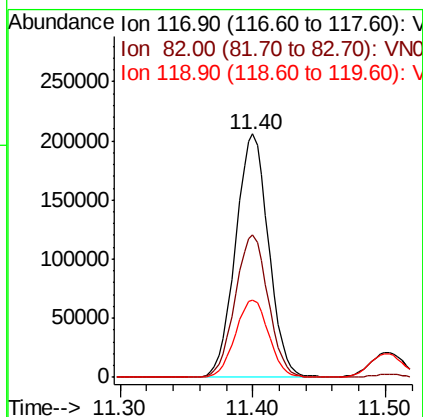
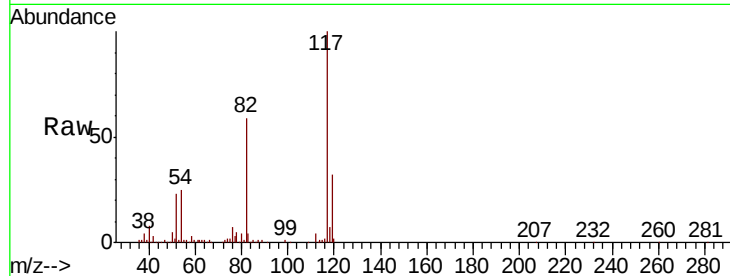




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

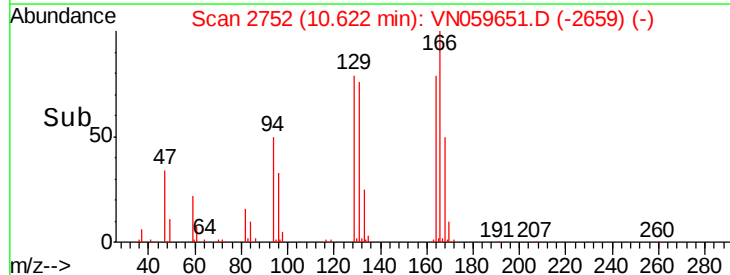
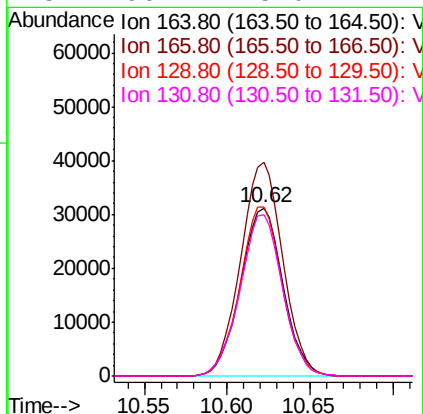
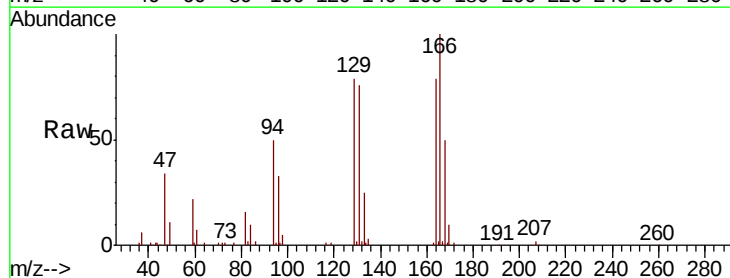
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 355575
Ion Ratio Lower Upper
117 100
82 58.7 45.9 68.9
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 16.734 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion:164 Resp: 55469
Ion Ratio Lower Upper
164 100
166 127.1 101.4 152.0
129 100.5 80.2 120.4
131 96.2 75.0 112.4

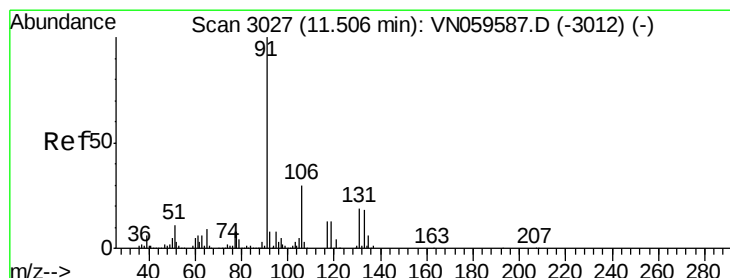
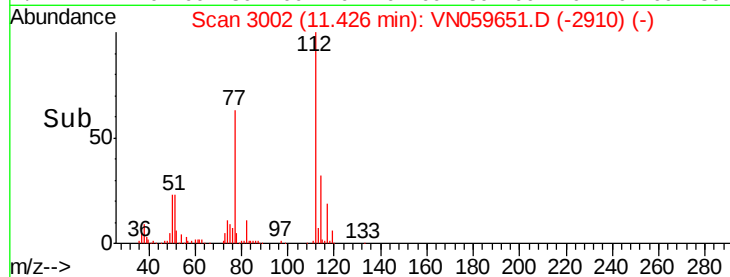
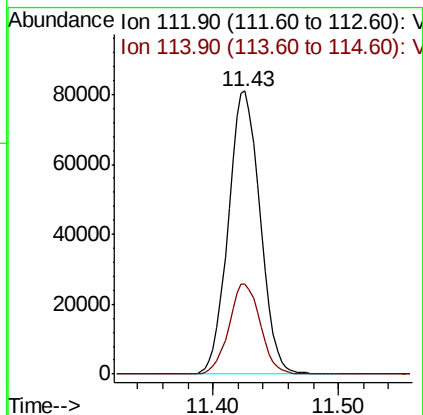
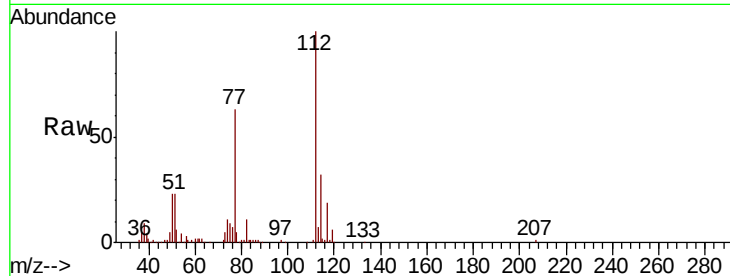




#65
Chlorobenzene
Concen: 18.571 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

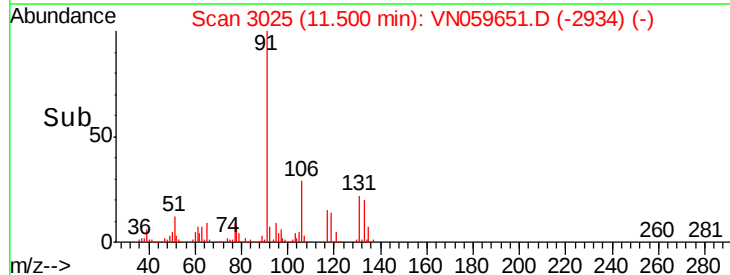
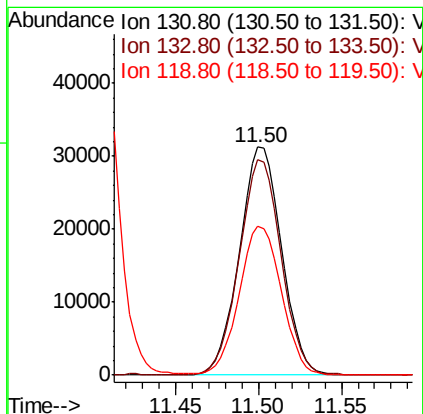
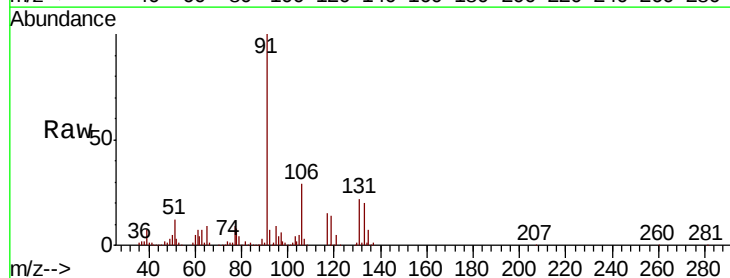
Instrument :
MSVOA_N
ClientSampleId :

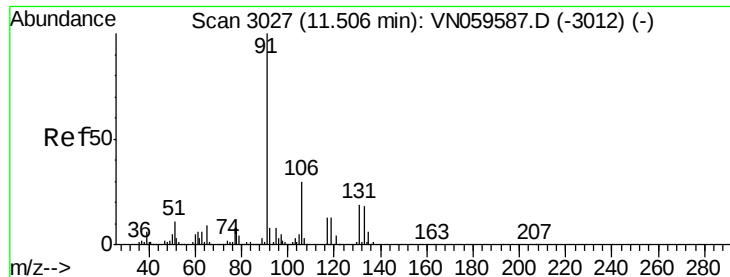
Tot Ion:112 Resp: 142879
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.880 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.01 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion:131 Resp: 55175
Ion Ratio Lower Upper
131 100
133 94.3 47.4 142.2
119 65.5 33.1 99.3





#67

Ethyl Benzene

Concen: 18.574 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

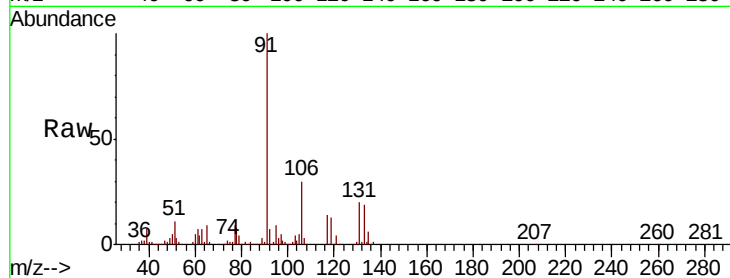
ClientSampled :

Tot Ion: 91 Resp: 257945

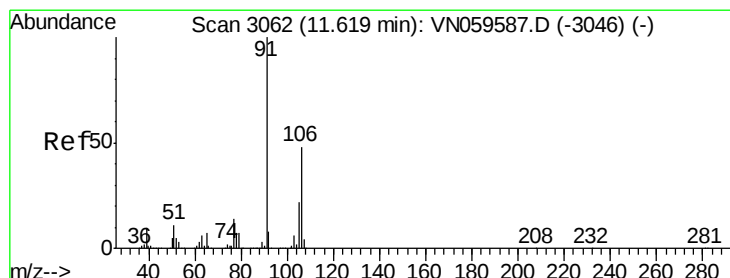
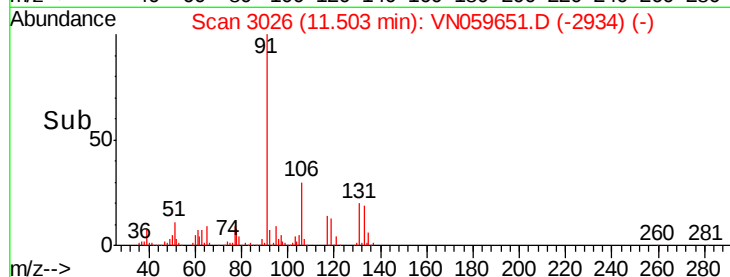
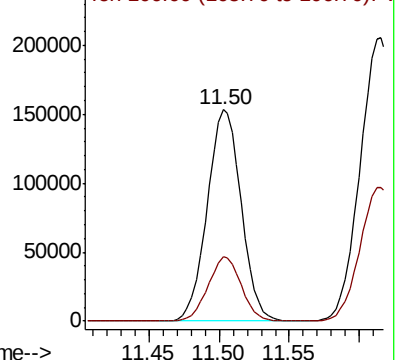
Ion Ratio Lower Upper

91 100

106 30.2 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)



#68

m/p-Xylenes

Concen: 36.916 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059651.D

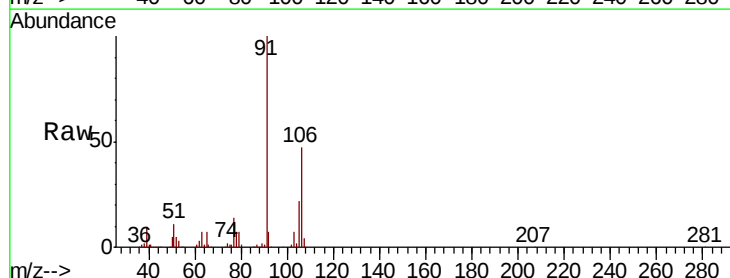
Acq: 18 Dec 2019 16:04

Tgt Ion: 106 Resp: 189315

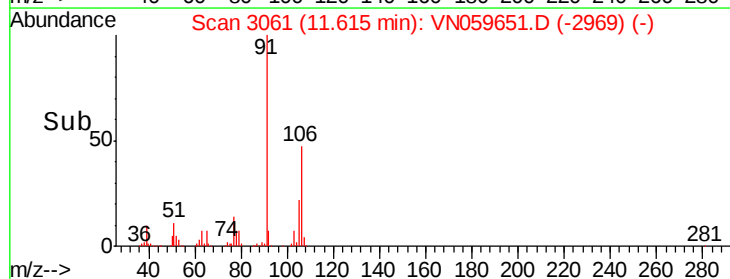
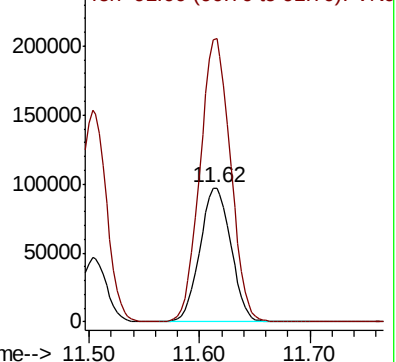
Ion Ratio Lower Upper

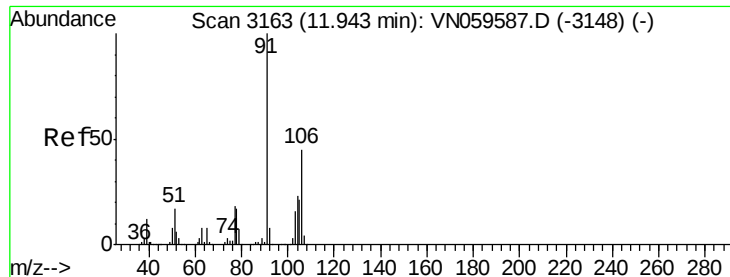
106 100

91 207.5 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)





#69

o-Xylene

Concen: 18.210 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

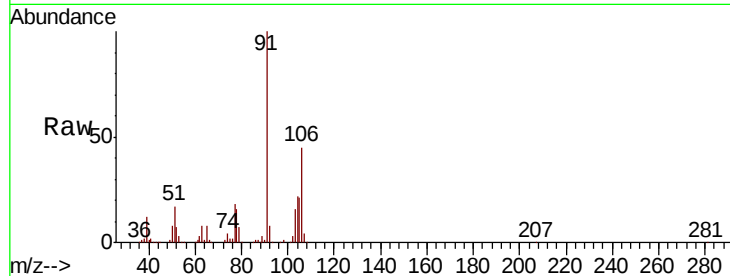
ClientSampleId :

Tot Ion:106 Resp: 88857

Ion Ratio Lower Upper

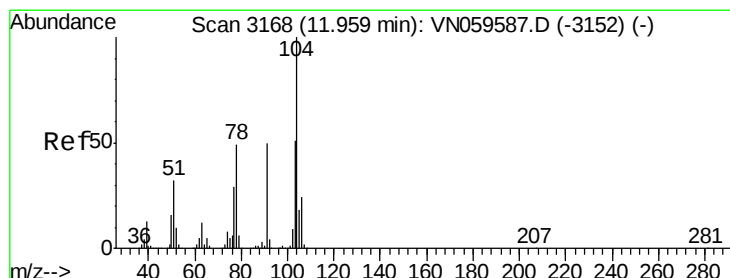
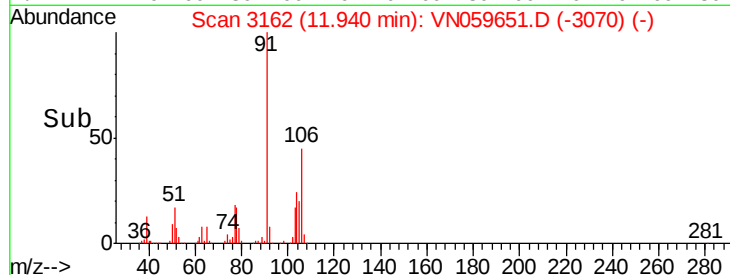
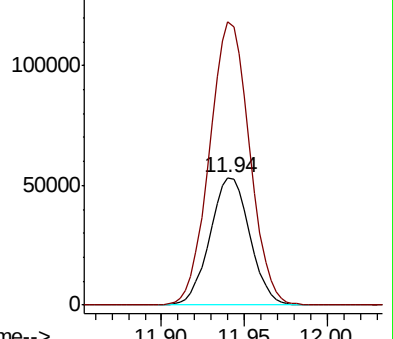
106 100

91 223.6 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 18.126 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

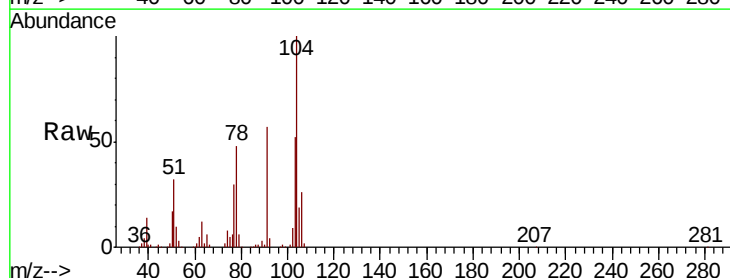
Tgt Ion:104 Resp: 142107

Ion Ratio Lower Upper

104 100

78 53.0 42.4 63.6

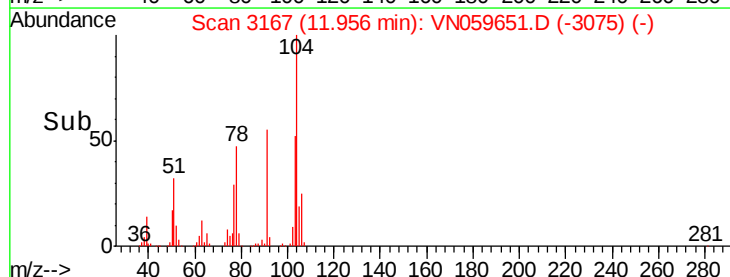
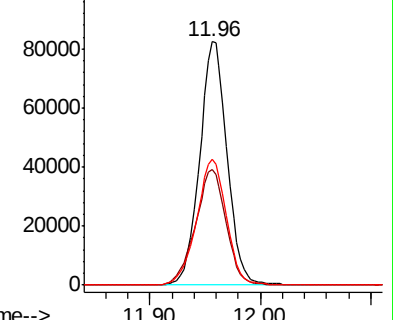
103 56.1 43.9 65.9

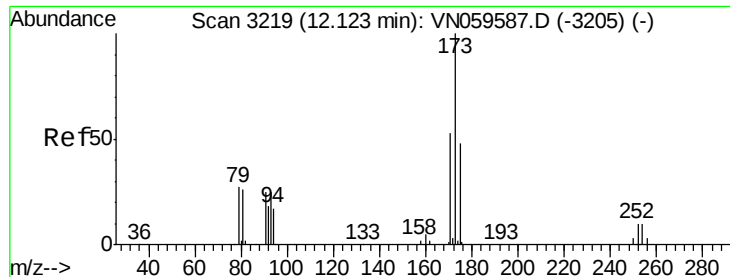


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.586 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

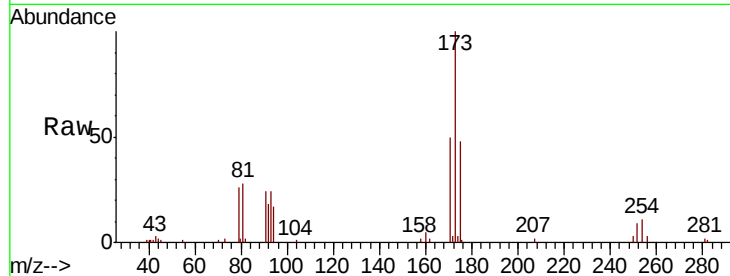
Tot Ion:173 Resp: 40829

Ion Ratio Lower Upper

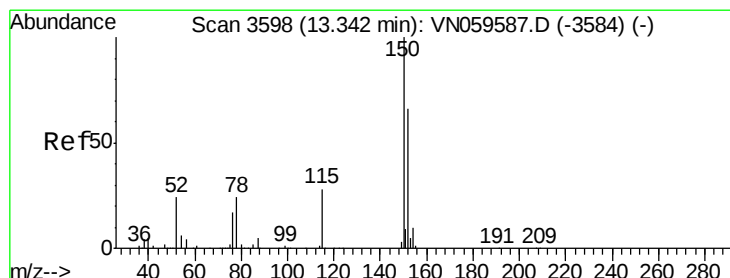
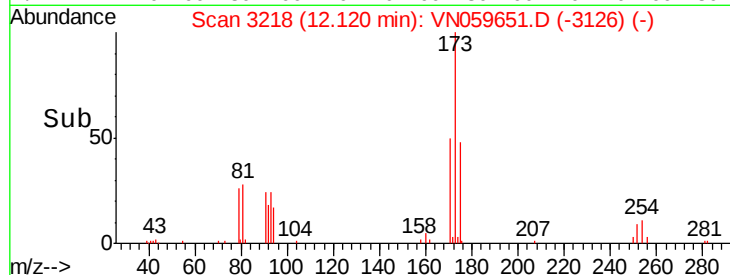
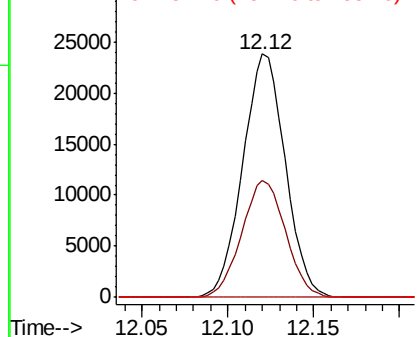
173 100

175 49.4 23.8 71.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

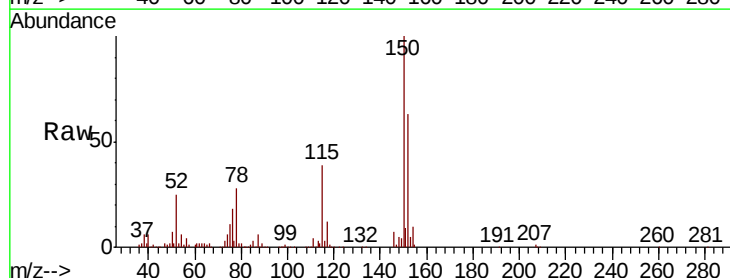
Tgt Ion:152 Resp: 161814

Ion Ratio Lower Upper

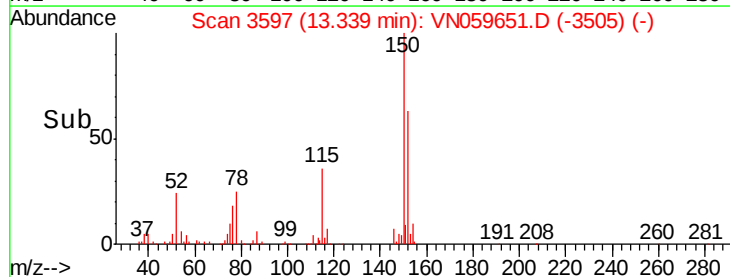
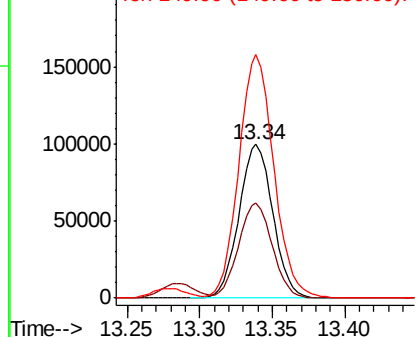
152 100

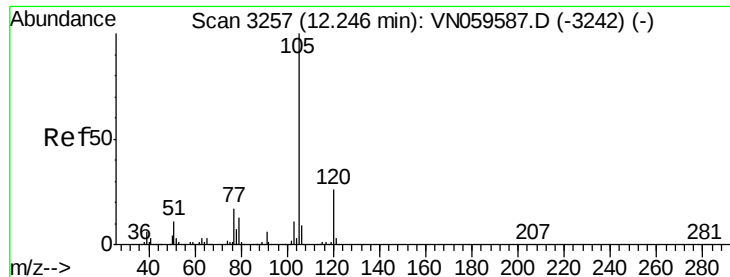
115 61.3 30.3 90.9

150 164.0 0.0 345.2



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: 18.759 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

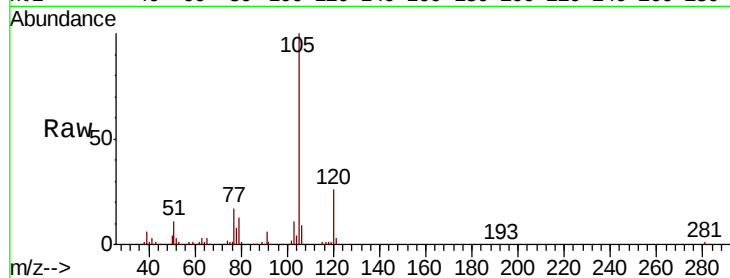
ClientSampleId :

Tot Ion:105 Resp: 238284

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

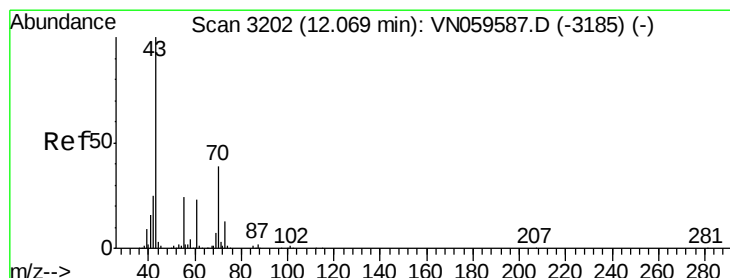
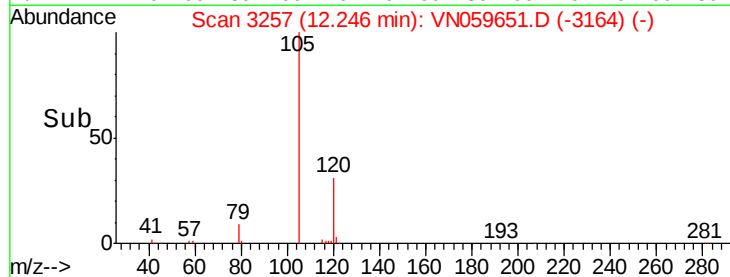
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.663 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion: 43 Resp: 108744

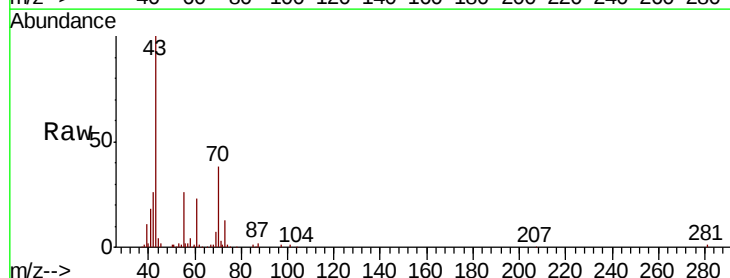
Ion Ratio Lower Upper

43 100

70 38.6 31.3 46.9

55 26.3 19.8 29.6

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

100000

80000

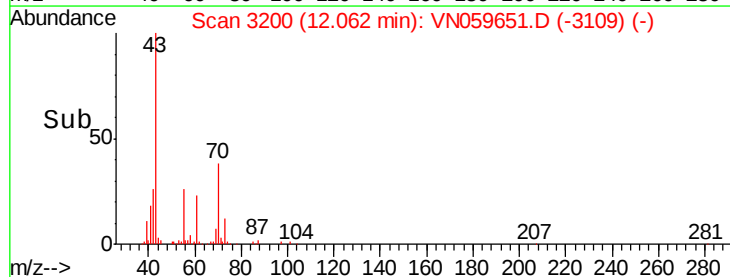
60000

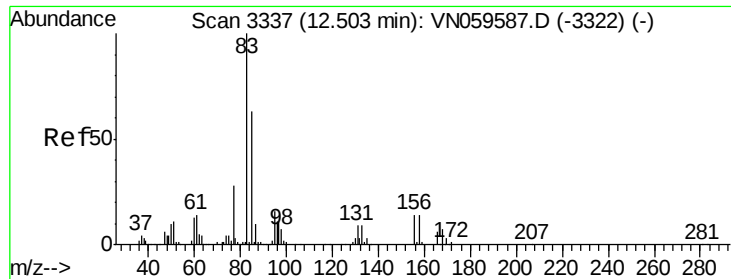
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.604 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059651.D

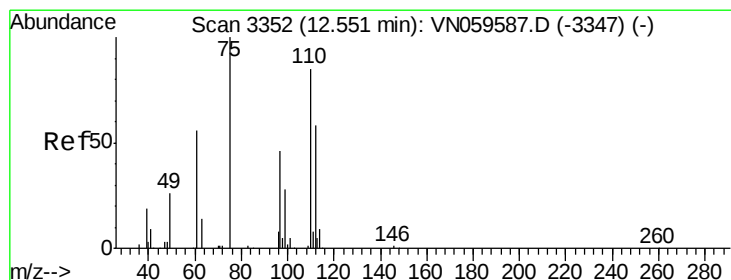
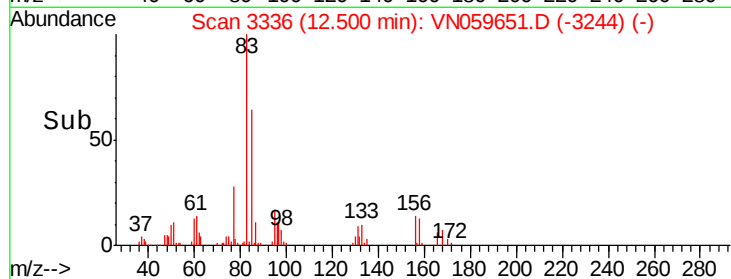
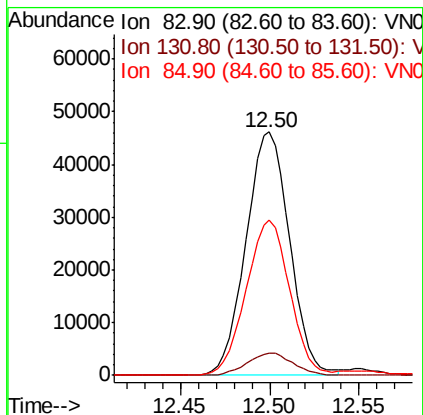
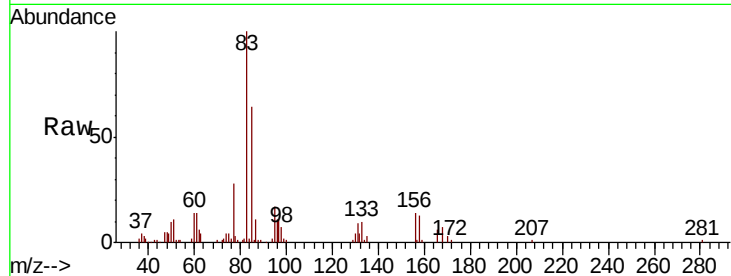
Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	83	Resp:	78991
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	63.3	31.9	95.5



#76

1,2,3-Trichloropropane

Concen: 28.277 ug/l

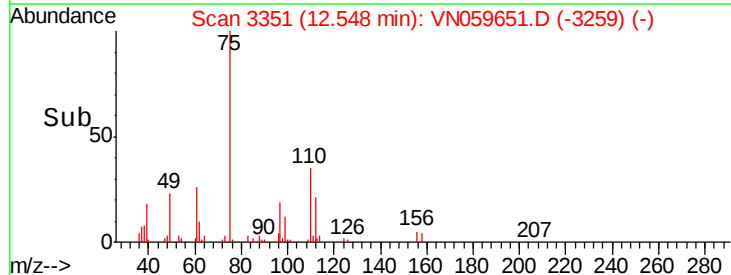
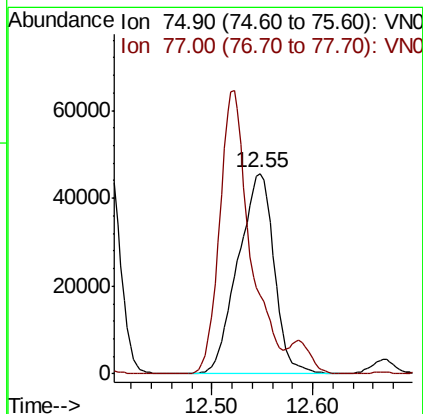
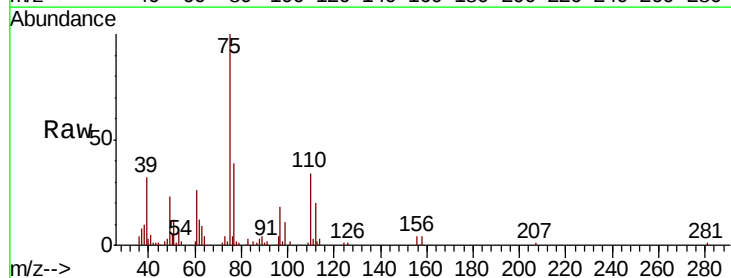
RT: 12.55 min Scan# 3351

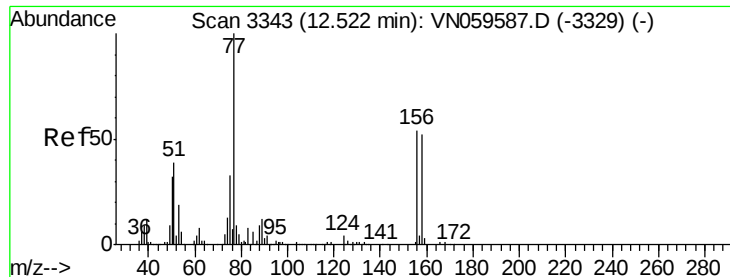
Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Tgt Ion:	75	Resp:	113272
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.647 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

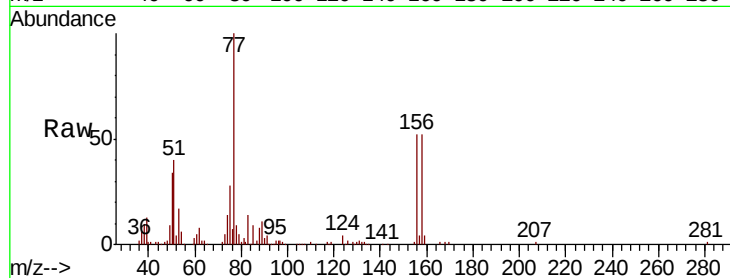
Tot Ion:156 Resp: 58249

Ion Ratio Lower Upper

156 100

77 233.6 115.8 347.4

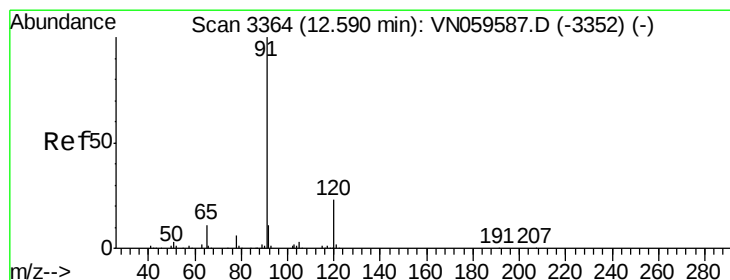
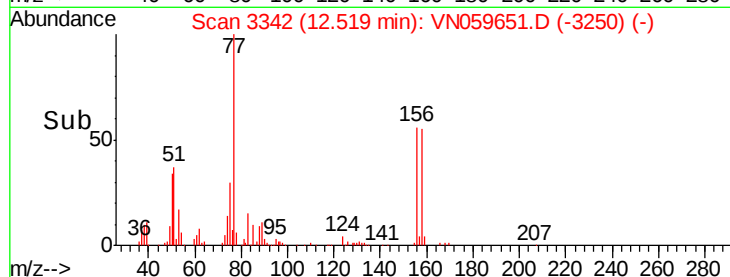
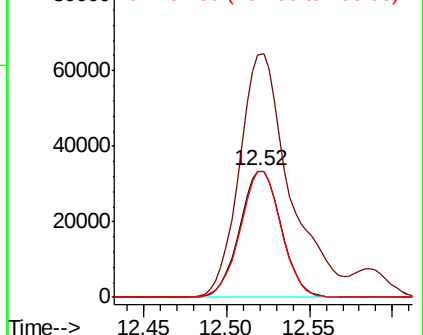
158 98.1 49.2 147.6



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: 19.053 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059651.D

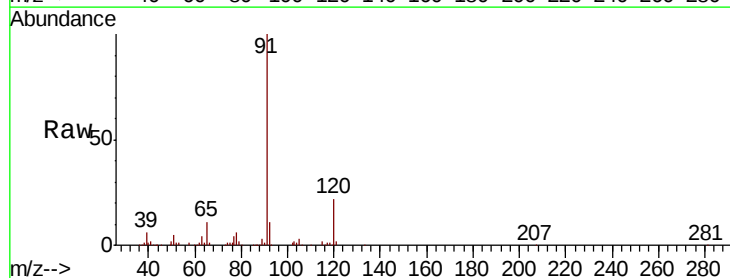
Acq: 18 Dec 2019 16:04

Tgt Ion: 91 Resp: 286091

Ion Ratio Lower Upper

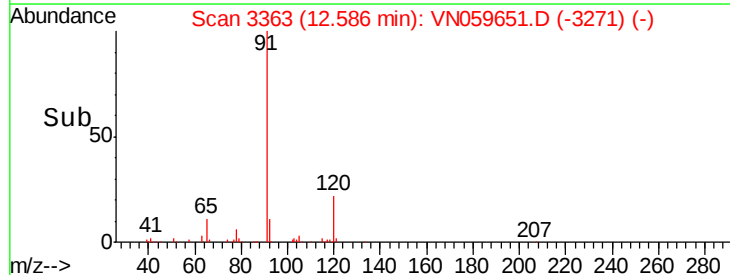
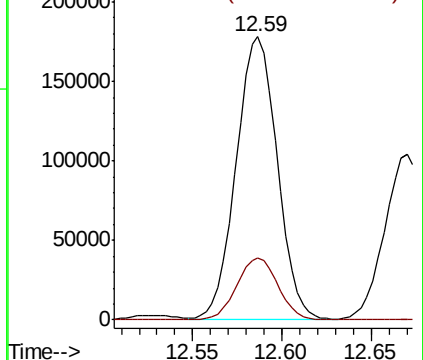
91 100

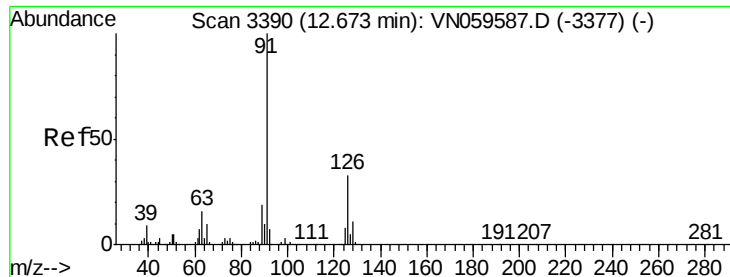
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

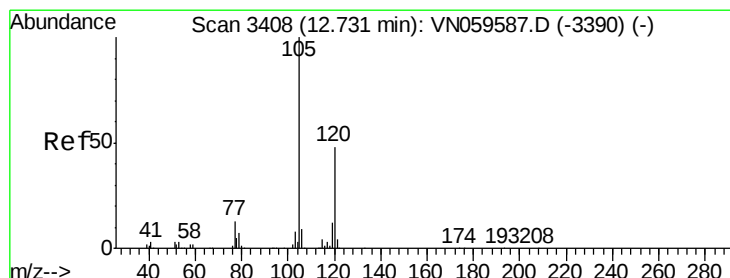
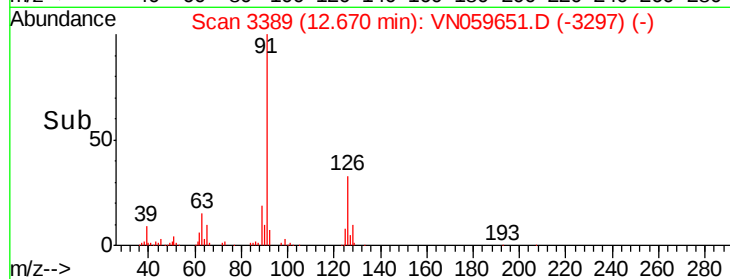
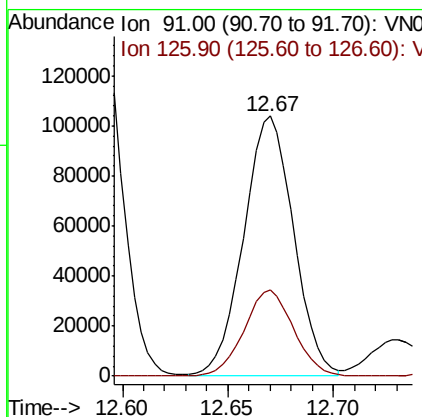
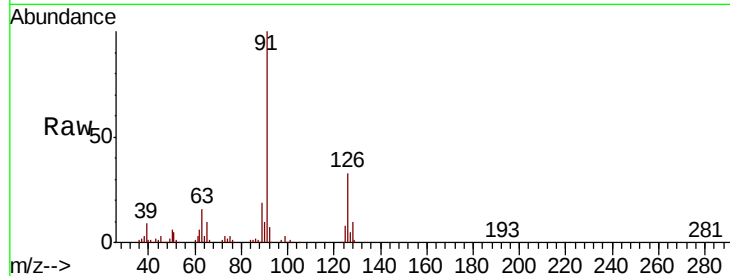




#79
 2-Chlorotoluene
 Concen: 18.818 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

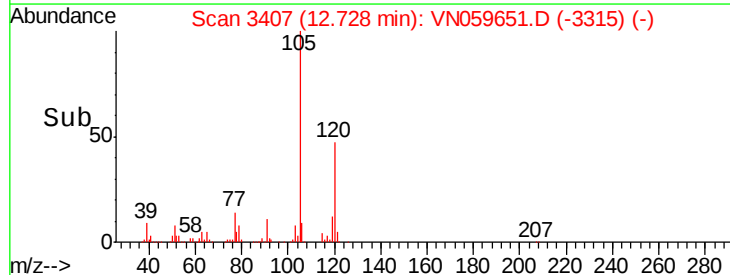
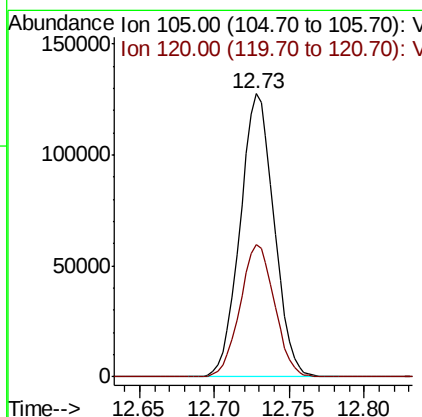
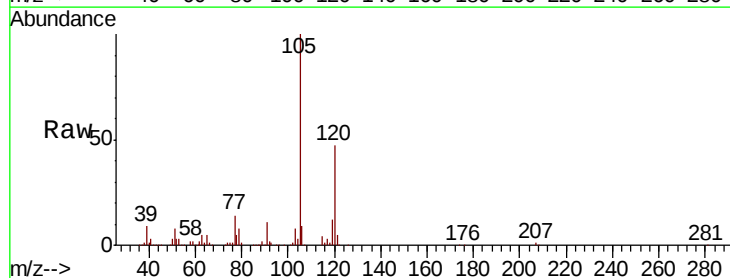
Instrument :
 MSVOA_N
 ClientSampleId :

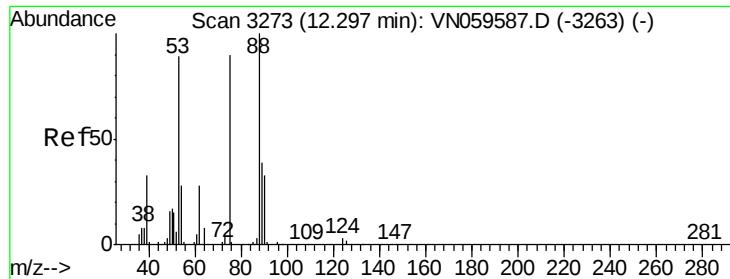
Tot Ion: 91 Resp: 170857
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 18.749 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion: 105 Resp: 201546
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.1 72.4

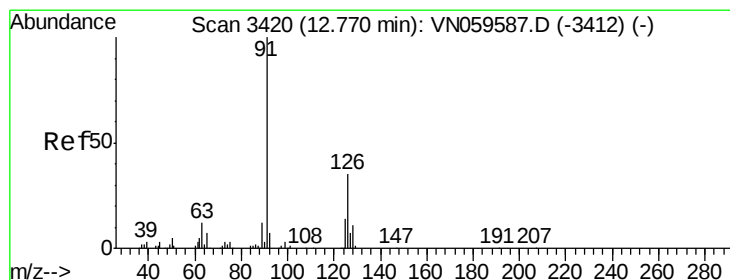
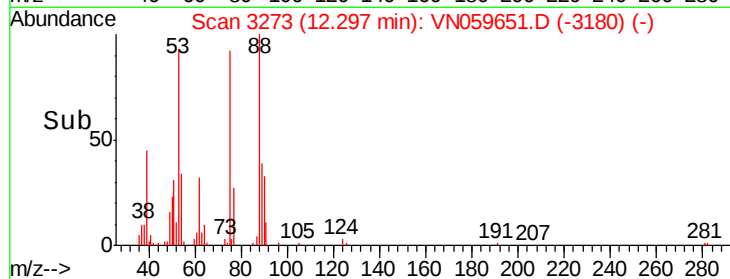
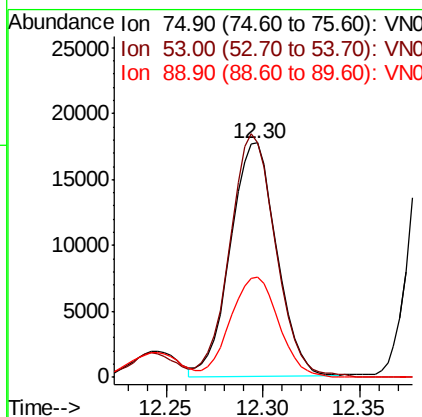
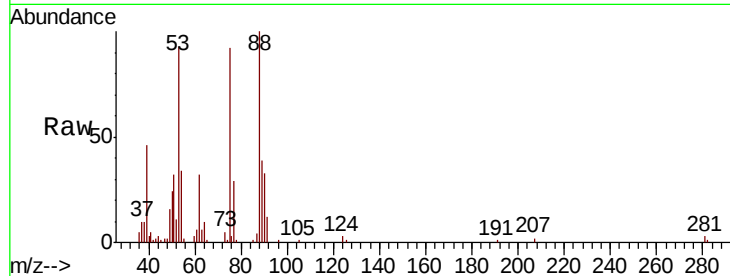




#81
trans-1,4-Dichloro-2-butene
Concen: 18.178 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

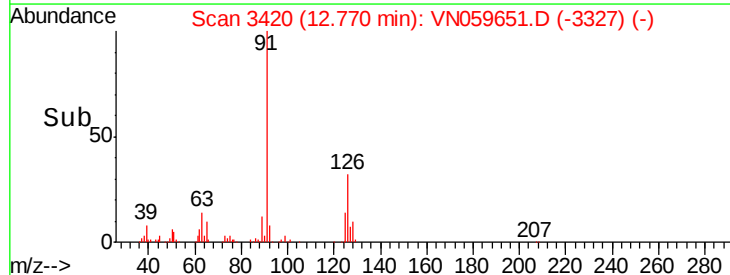
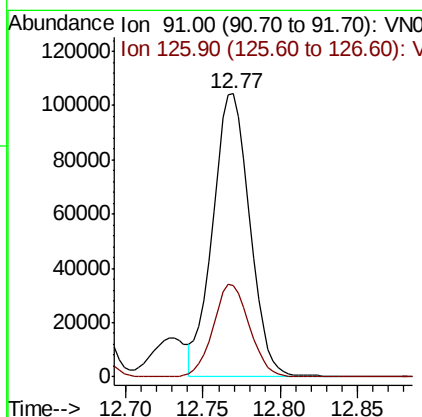
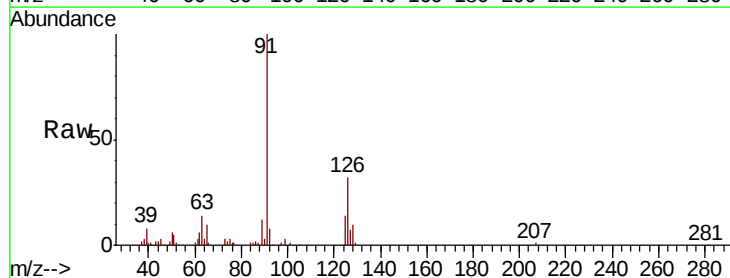
Instrument :
MSVOA_N
ClientSampleId :

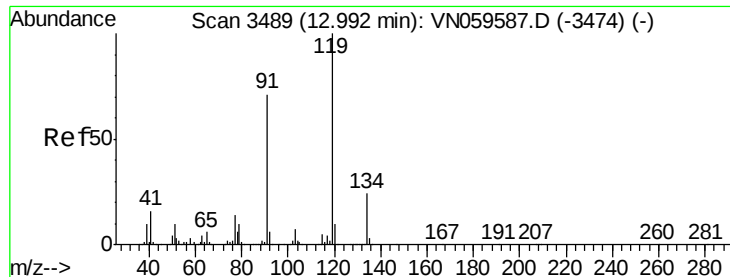
Tot Ion: 75 Resp: 29482
Ion Ratio Lower Upper
75 100
53 103.5 78.1 117.1
89 45.0 35.4 53.2



#82
4-Chlorotoluene
Concen: 18.625 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059651.D
Acq: 18 Dec 2019 16:04

Tgt Ion: 91 Resp: 173149
Ion Ratio Lower Upper
91 100
126 32.2 16.3 48.8





#83

tert-Butylbenzene

Concen: 18.109 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampled :

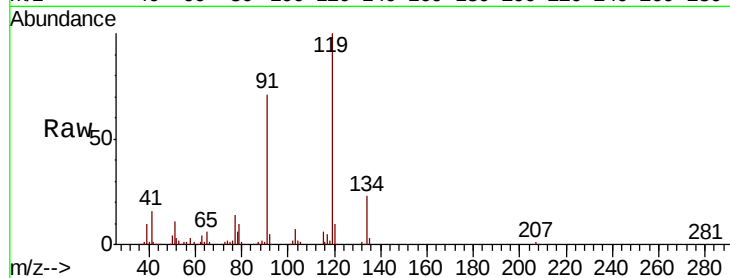
Tot Ion:119 Resp: 164849

Ion Ratio Lower Upper

119 100

91 70.8 34.8 104.4

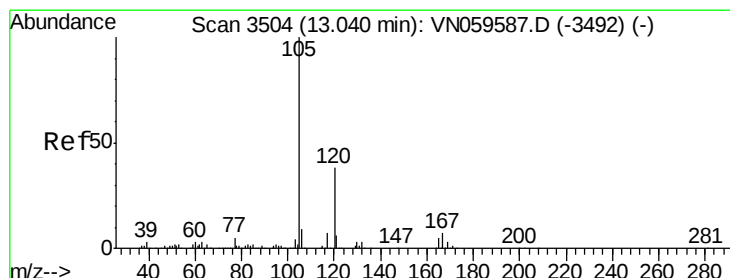
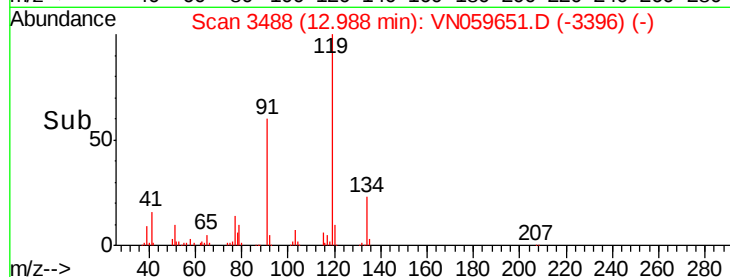
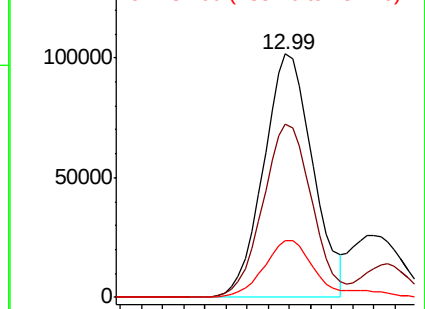
134 23.6 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.297 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059651.D

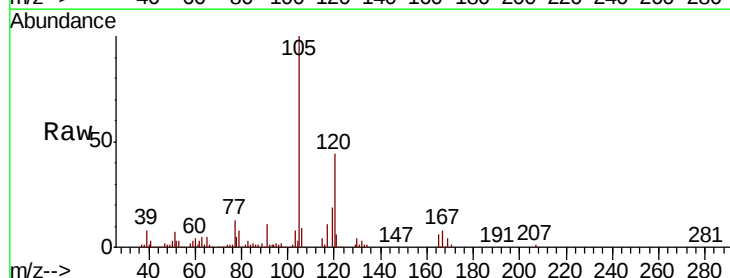
Acq: 18 Dec 2019 16:04

Tgt Ion:105 Resp: 206260

Ion Ratio Lower Upper

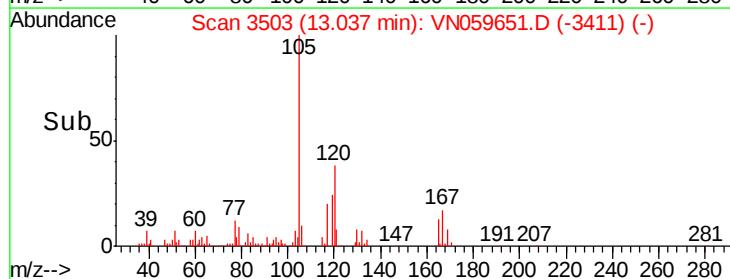
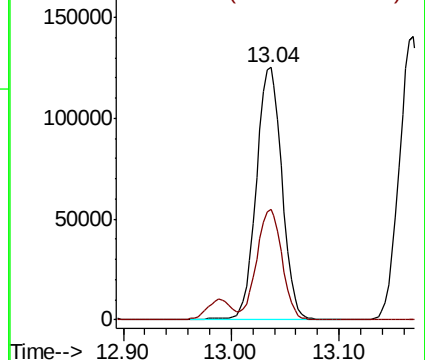
105 100

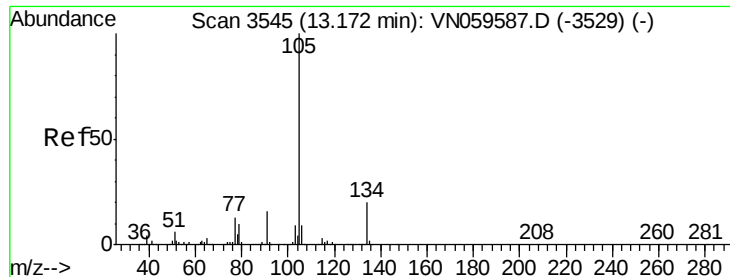
120 43.2 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.702 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

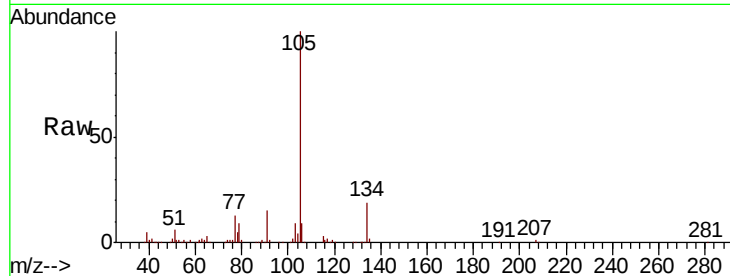
ClientSampled :

Tot Ion:105 Resp: 226472

Ion Ratio Lower Upper

105 100

134 18.9 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

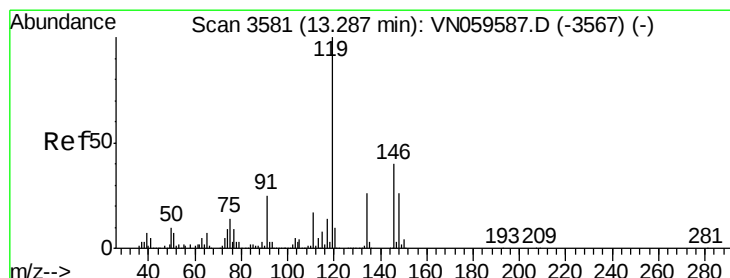
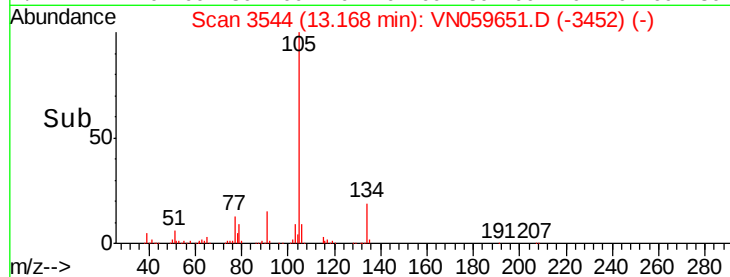
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.327 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

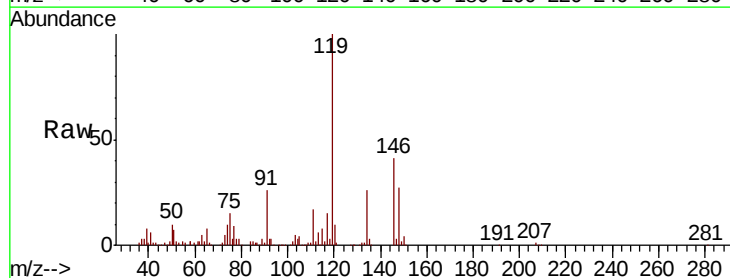
Tgt Ion:119 Resp: 201001

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 25.7 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

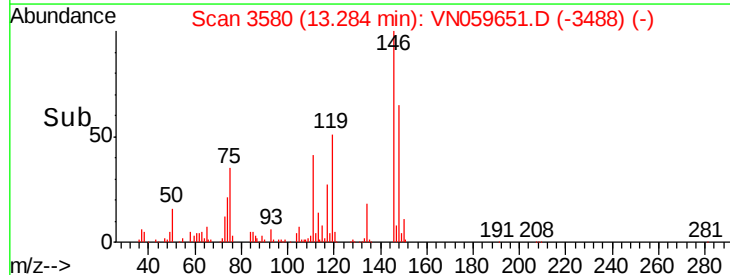
150000

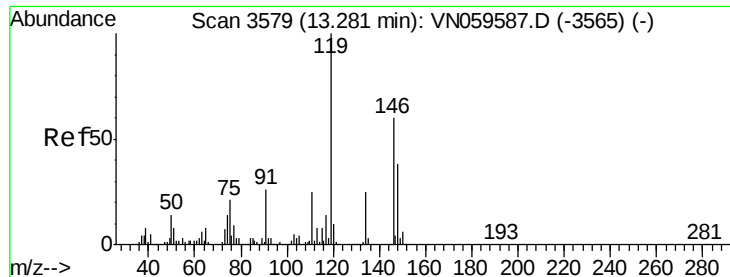
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 17.841 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

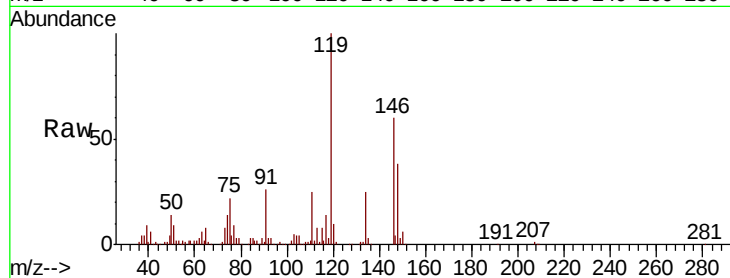
Tot Ion:146 Resp: 102483

Ion Ratio Lower Upper

146 100

111 41.9 20.8 62.2

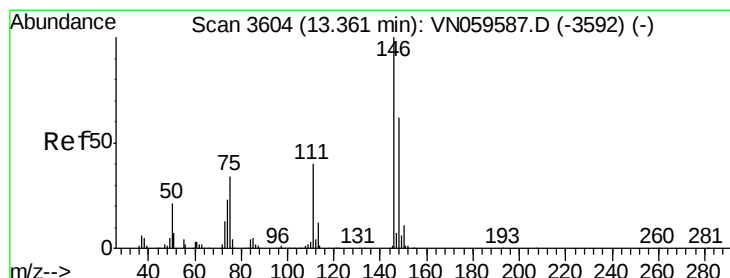
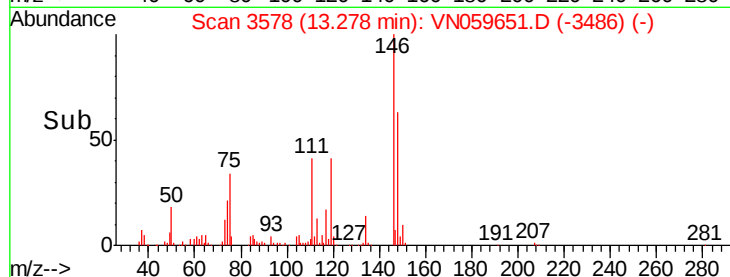
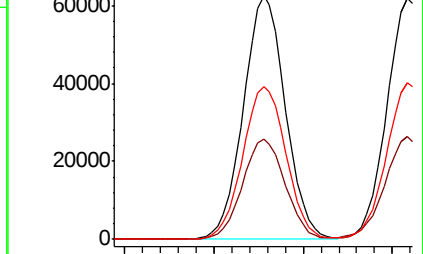
148 64.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.755 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

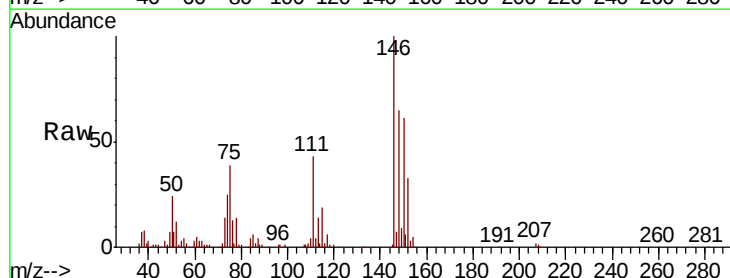
Tgt Ion:146 Resp: 102826

Ion Ratio Lower Upper

146 100

111 43.0 20.8 62.2

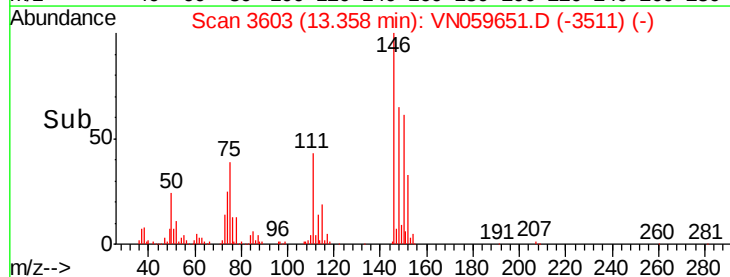
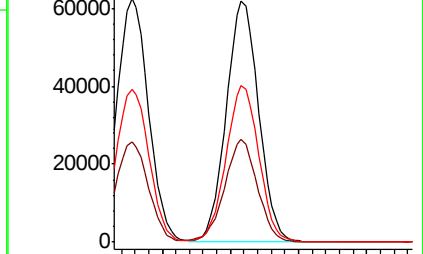
148 65.4 31.8 95.4

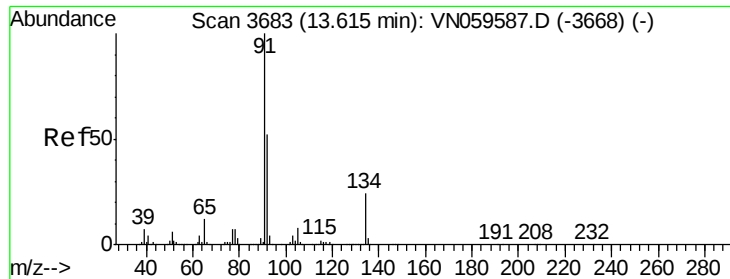


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.736 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

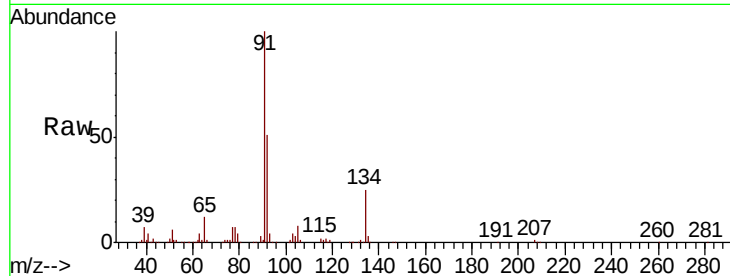
Tot Ion: 91 Resp: 182364

Ion Ratio Lower Upper

91 100

92 51.4 25.9 77.7

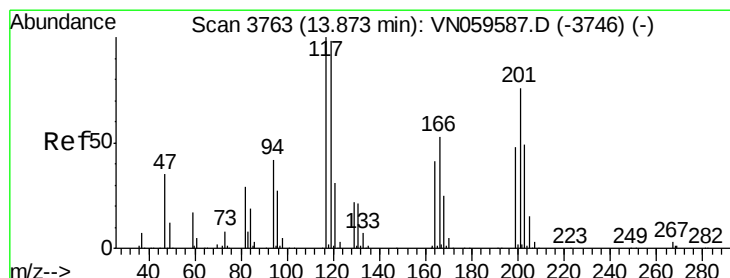
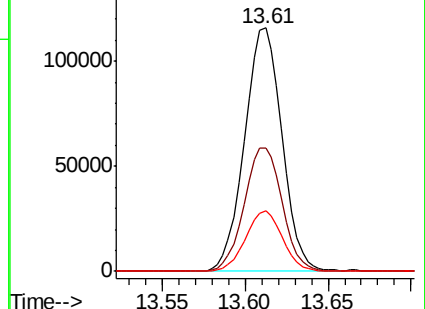
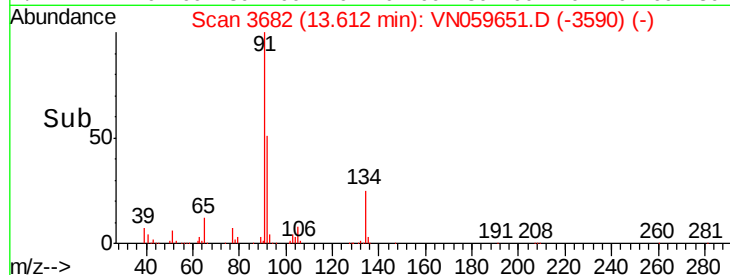
134 24.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059587.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059587.D (-3668) (-)



#90

Hexachloroethane

Concen: 19.153 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN059651.D

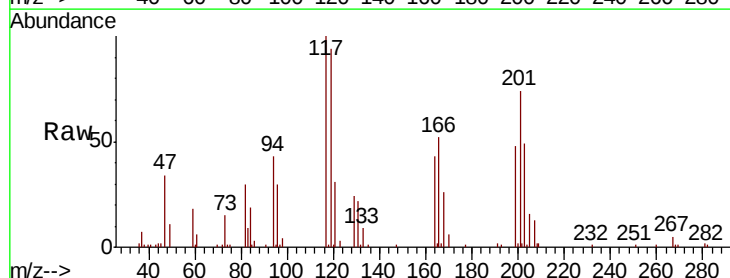
Acq: 18 Dec 2019 16:04

Tgt Ion: 117 Resp: 39705

Ion Ratio Lower Upper

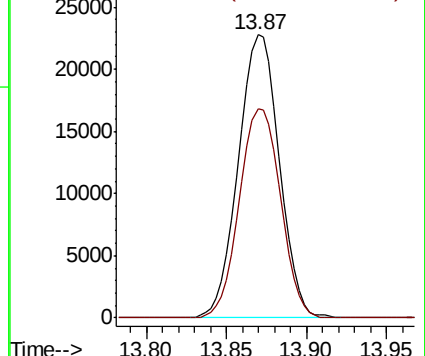
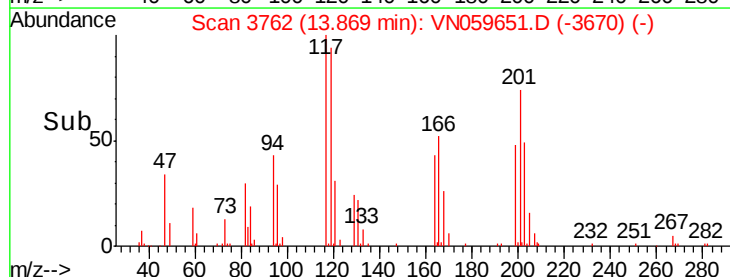
117 100

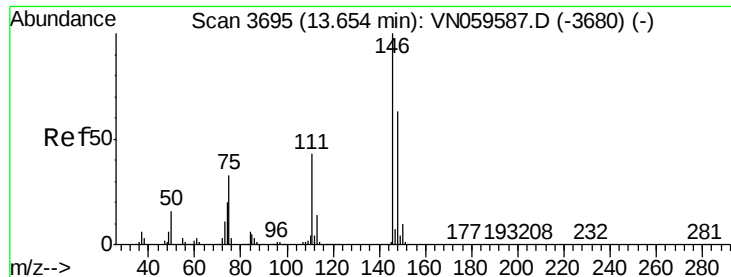
201 74.4 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059587.D (-3746) (-)

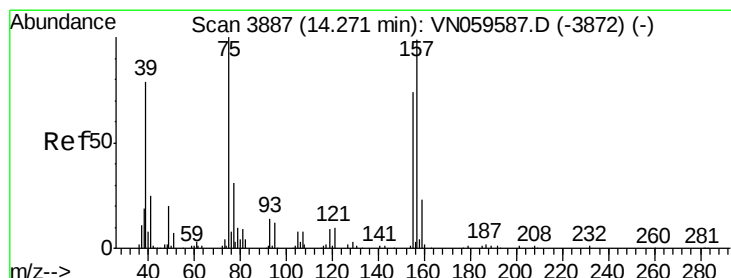
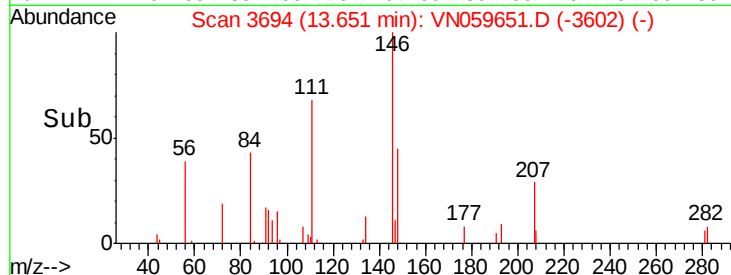
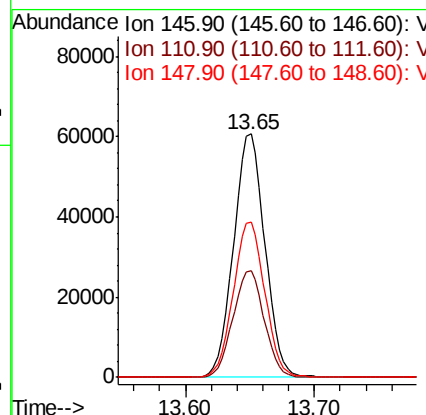
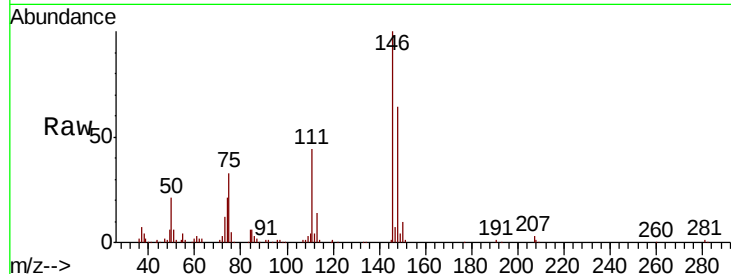




#91
 1,2-Dichlorobenzene
 Concen: 18.087 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

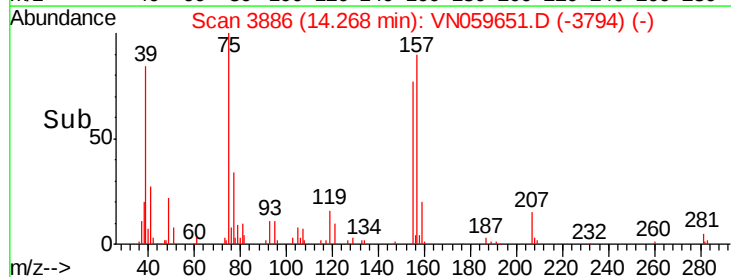
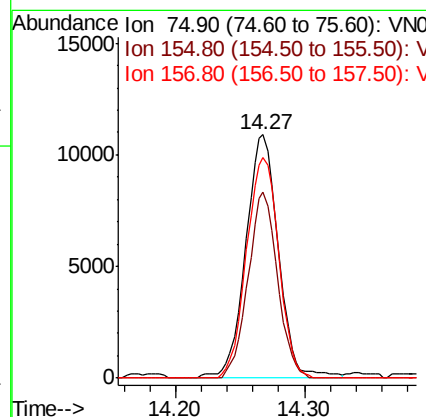
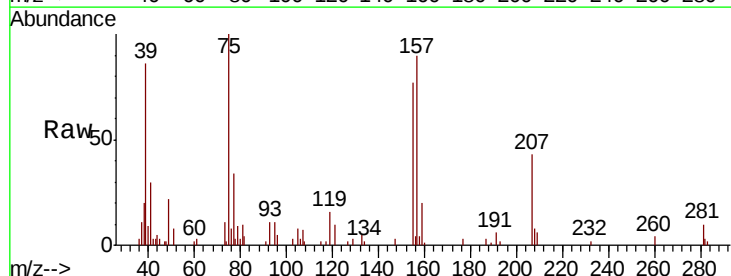
Instrument :
 MSVOA_N
 ClientSampleId :

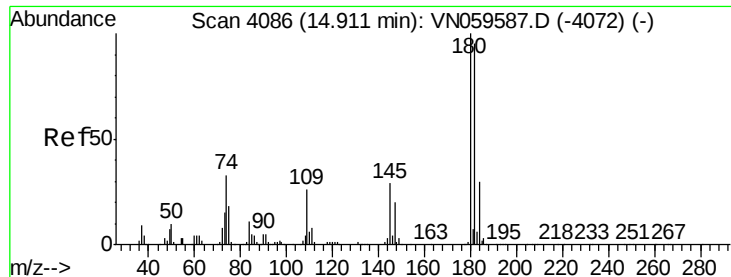
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	64.8
148	63.8	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.131 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.9	37.0	110.9
157	89.3	48.4	145.2

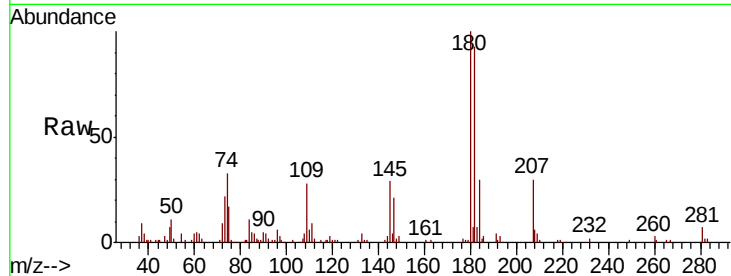




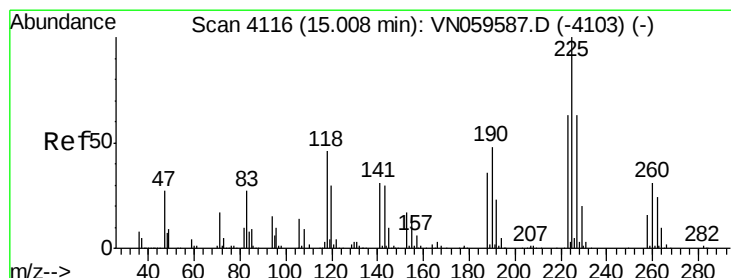
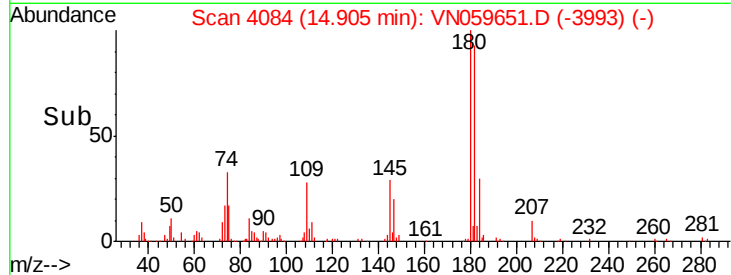
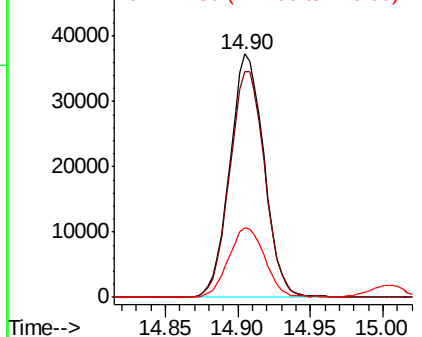
#93
 1,2,4-Trichlorobenzene
 Concen: 16.679 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 61015
 Ion Ratio Lower Upper
 180 100
 182 95.1 46.9 140.7
 145 30.4 15.0 45.1

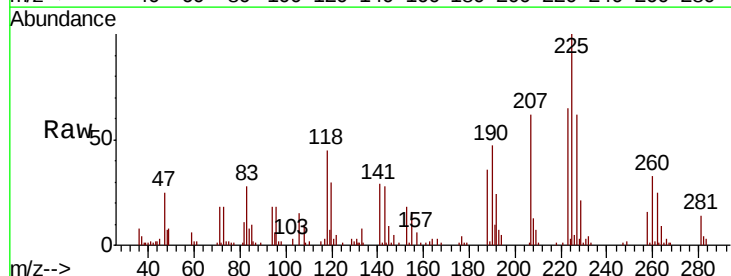


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

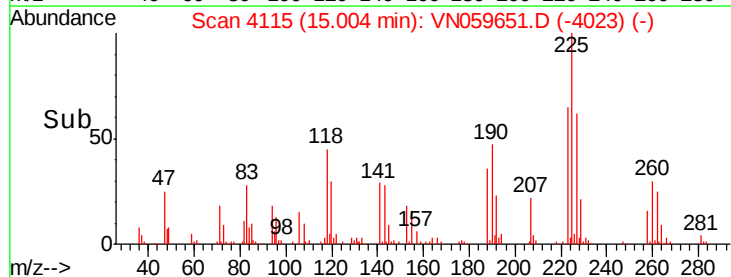
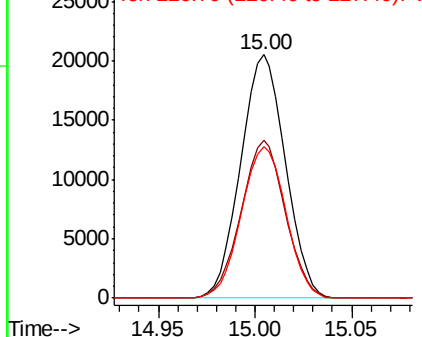


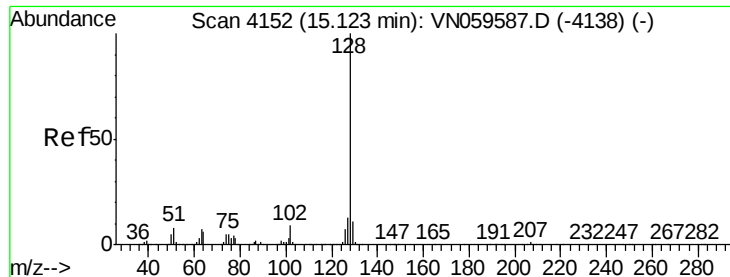
#94
 Hexachlorobutadiene
 Concen: 17.716 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059651.D
 Acq: 18 Dec 2019 16:04

Tgt Ion:225 Resp: 33057
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.8 95.3
 227 61.9 32.1 96.5



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: 16.269 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

Instrument :

MSVOA_N

ClientSampled :

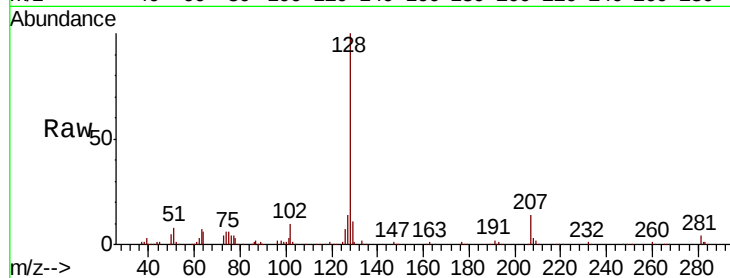
Tot Ion:128 Resp: 177670

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

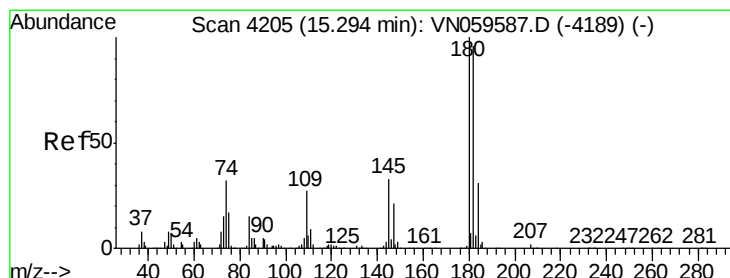
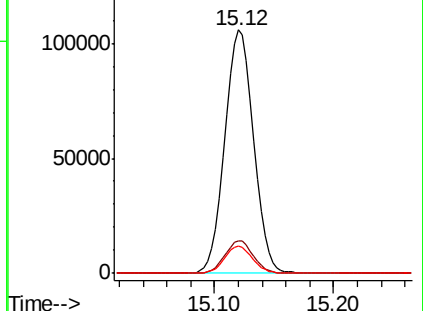
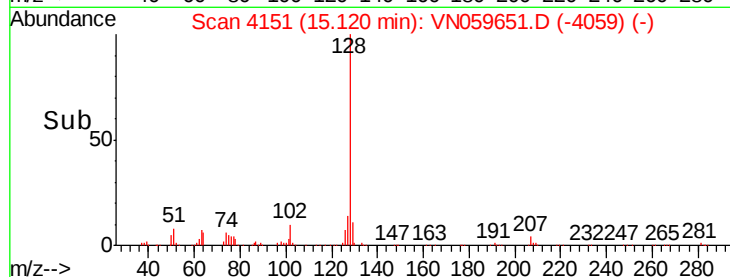
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.835 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.00 min

Lab File: VN059651.D

Acq: 18 Dec 2019 16:04

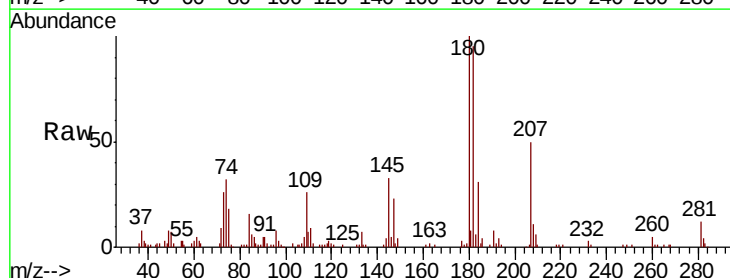
Tgt Ion:180 Resp: 62288

Ion Ratio Lower Upper

180 100

182 93.4 47.4 142.3

145 32.8 16.3 48.9



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

