

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059133.D
 Acq On : 8 Nov 2019 10:09
 Operator : JC/SP
 Sample : VN1108MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Quant Time: Nov 11 00:55:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	471423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	725154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	654768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	279689	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	7.56	113	218731	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.08	98	842892	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	298055	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	91629	19.291	ug/l 99
3) Chloromethane	2.04	50	118651	18.377	ug/l 100
4) Vinyl Chloride	2.17	62	119532	19.095	ug/l 99
5) Bromomethane	2.54	94	66263	18.395	ug/l 97
6) Chloroethane	2.68	64	71222	19.234	ug/l 96
7) Trichlorofluoromethane	3.00	101	147655	19.721	ug/l 97
8) Diethyl Ether	3.39	74	61508	20.218	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	90412	20.027	ug/l 100
10) Methyl Iodide	3.93	142	91730	16.416	ug/l 99
11) Tert butyl alcohol	4.75	59	100537	91.033	ug/l 98
12) 1,1-Dichloroethene	3.71	96	86598	19.692	ug/l 100
13) Acrolein	3.58	56	49417	86.787	ug/l 99
14) Allyl chloride	4.29	41	171303	18.963	ug/l 100
15) Acrylonitrile	4.95	53	274367	99.825	ug/l 99
16) Acetone	3.79	43	312237	103.612	ug/l 98
17) Carbon Disulfide	4.03	76	250052	18.317	ug/l 100
18) Methyl Acetate	4.29	43	145995	20.411	ug/l 99
19) Methyl tert-butyl Ether	5.01	73	305867	20.202	ug/l 100
20) Methylene Chloride	4.52	84	103308	19.678	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	94027	19.919	ug/l 95
22) Diisopropyl ether	5.92	45	342415	20.068	ug/l 97
23) Vinyl Acetate	5.86	43	1396635	105.615	ug/l 100
24) 1,1-Dichloroethane	5.82	63	188063	19.734	ug/l 100
25) 2-Butanone	6.81	43	396463	99.824	ug/l 100
26) 2,2-Dichloropropane	6.80	77	160743	19.290	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	108271	19.770	ug/l 99
28) Bromochloromethane	7.17	49	55792	19.459	ug/l 99
29) Tetrahydrofuran	7.18	42	247295	97.994	ug/l 99
30) Chloroform	7.35	83	182177	19.928	ug/l 98
31) Cyclohexane	7.63	56	172192	19.086	ug/l 98
32) 1,1,1-Trichloroethane	7.54	97	155272	20.202	ug/l 99
36) 1,1-Dichloropropene	7.77	75	133856	19.748	ug/l 100
37) Ethyl Acetate	6.90	43	153373	20.340	ug/l 99
38) Carbon Tetrachloride	7.75	117	136656	20.256	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	156089	19.842	ug/l	98
40) Benzene	8.02	78	413169	20.242	ug/l	100
41) Methacrylonitrile	7.18	41	216882	66.145	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	144080	20.581	ug/l	99
43) Isopropyl Acetate	8.14	43	234715	19.525	ug/l	98
44) Trichloroethene	8.82	130	101158	20.161	ug/l	99
45) 1,2-Dichloropropane	9.10	63	113774	20.522	ug/l	99
46) Dibromomethane	9.19	93	67542	19.550	ug/l	98
47) Bromodichloromethane	9.39	83	139962	20.289	ug/l	100
48) Methyl methacrylate	9.18	41	106874	19.876	ug/l	99
49) 1,4-Dioxane	9.18	88	34296	358.899	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	744751	109.491	ug/l	99
52) Toluene	10.14	92	251010	20.518	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	156814	19.675	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	171809	20.040	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	100251	20.248	ug/l	99
56) Ethyl methacrylate	10.42	69	147862	19.108	ug/l	99
57) 1,3-Dichloropropane	10.70	76	175322	20.574	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	285664	103.673	ug/l	100
59) 2-Hexanone	10.74	43	555643	106.428	ug/l	100
60) Dibromochloromethane	10.89	129	106080	20.264	ug/l	98
61) 1,2-Dibromoethane	11.00	107	100993	20.150	ug/l	100
64) Tetrachloroethene	10.62	164	88655	19.912	ug/l	99
65) Chlorobenzene	11.43	112	258748	20.272	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	99603	20.802	ug/l	100
67) Ethyl Benzene	11.51	91	466206	20.587	ug/l	99
68) m/p-Xylenes	11.62	106	347777	40.997	ug/l	100
69) o-Xylene	11.94	106	165839	20.229	ug/l	99
70) Styrene	11.96	104	263122	20.408	ug/l	99
71) Bromoform	12.12	173	75655	20.314	ug/l #	97
73) Isopropylbenzene	12.25	105	442365	20.521	ug/l	100
74) N-amyl acetate	12.07	43	180790	19.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	150446	20.494	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	200641	29.738	ug/l #	100
77) Bromobenzene	12.52	156	105799	19.535	ug/l	97
78) n-propylbenzene	12.59	91	514343	20.838	ug/l	100
79) 2-Chlorotoluene	12.67	91	306705	20.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	376227	20.597	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50522	19.778	ug/l	99
82) 4-Chlorotoluene	12.77	91	312349	20.339	ug/l	99
83) tert-Butylbenzene	12.99	119	319989	20.285	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	369515	20.909	ug/l	100
85) sec-Butylbenzene	13.17	105	419722	20.459	ug/l	99
86) p-Isopropyltoluene	13.29	119	377444	20.837	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	182838	19.714	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	180940	19.499	ug/l	99
89) n-Butylbenzene	13.62	91	316094	19.937	ug/l	99
90) Hexachloroethane	13.88	117	71745	19.724	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	185443	20.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29671	20.274	ug/l	94

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91918	18.641	ug/l	100
94) Hexachlorobutadiene	15.01	225	61663	19.602	ug/l	99
95) Naphthalene	15.13	128	241587	17.818	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	94730	18.528	ug/l	98

(#) = 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: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

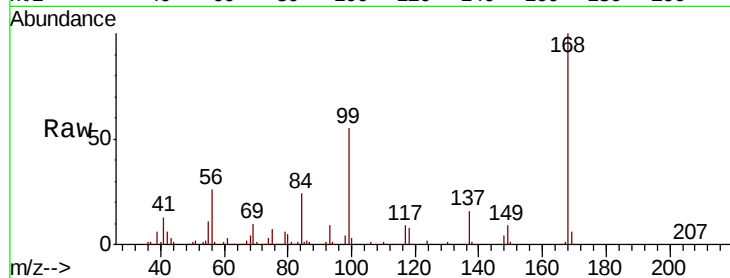
VN1108MBS01

Tot Ion:168 Resp: 471423

Ion Ratio Lower Upper

168 100

99 55.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

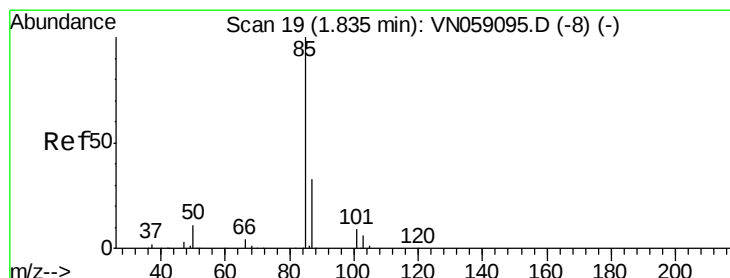
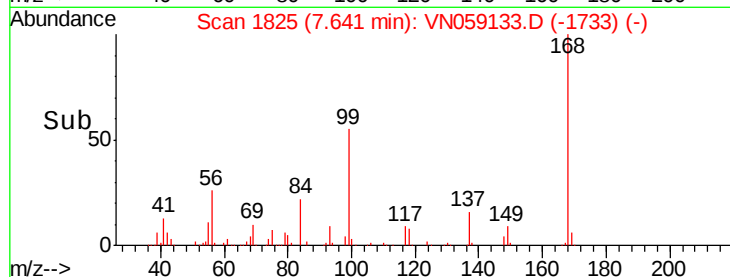
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.291 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059133.D

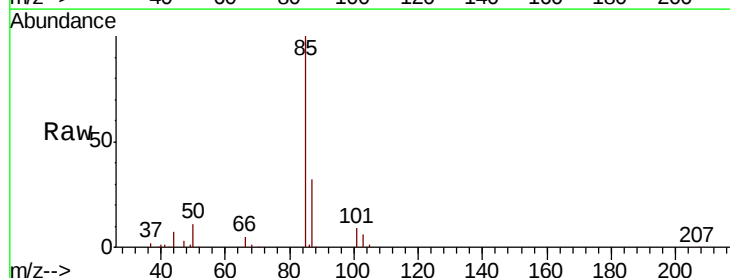
Acq: 8 Nov 2019 10:09

Tgt Ion: 85 Resp: 91629

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

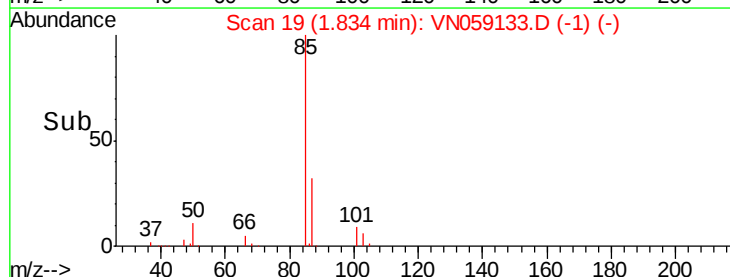
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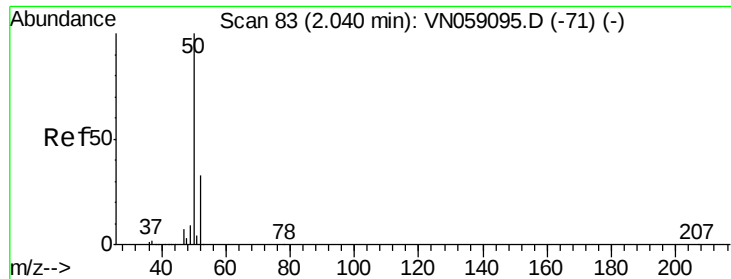
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.377 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

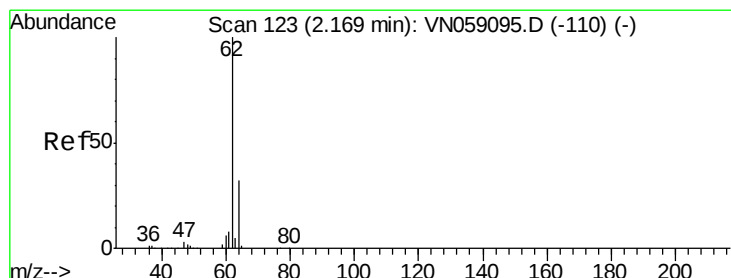
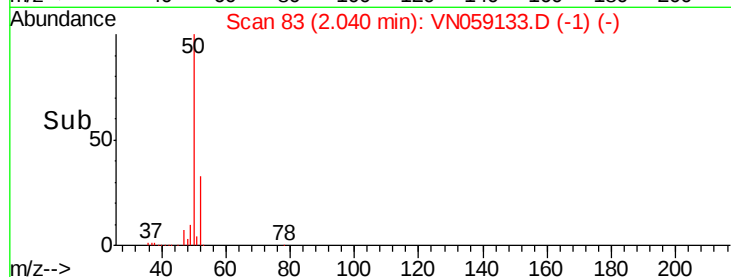
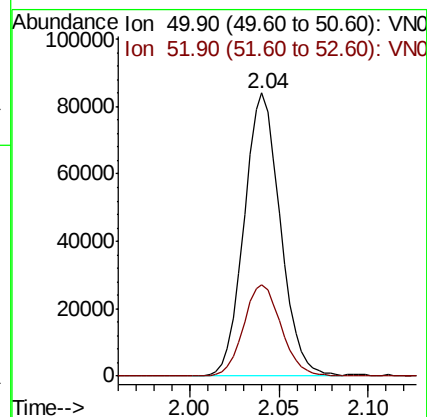
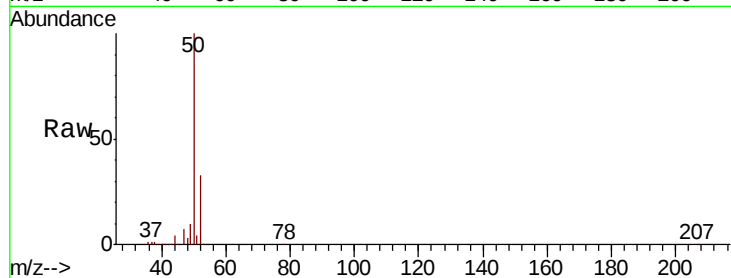
VN1108MBS01

Tot Ion: 50 Resp: 118651

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 19.095 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059133.D

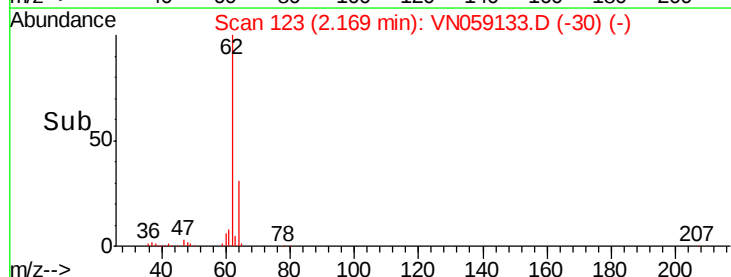
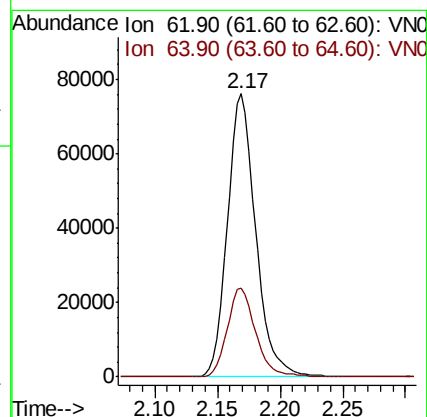
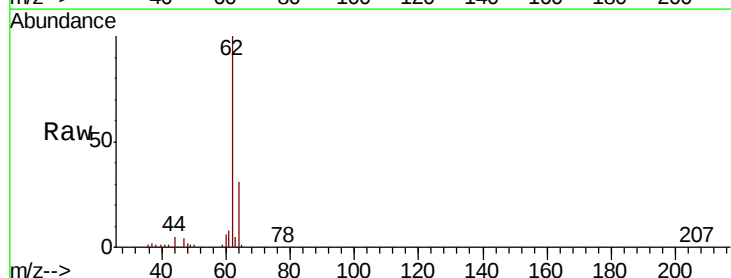
Acq: 8 Nov 2019 10:09

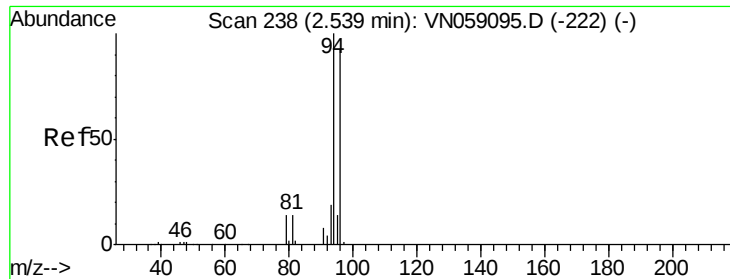
Tgt Ion: 62 Resp: 119532

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 18.395 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

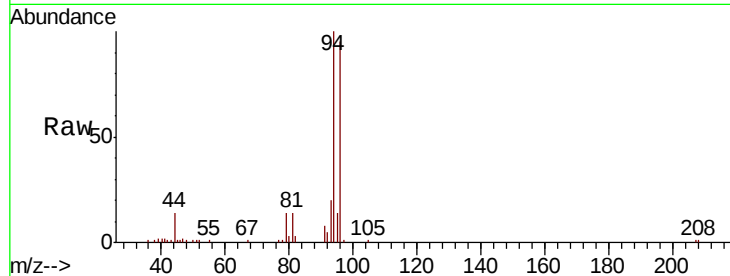
VN1108MBS01

Tot Ion: 94 Resp: 66263

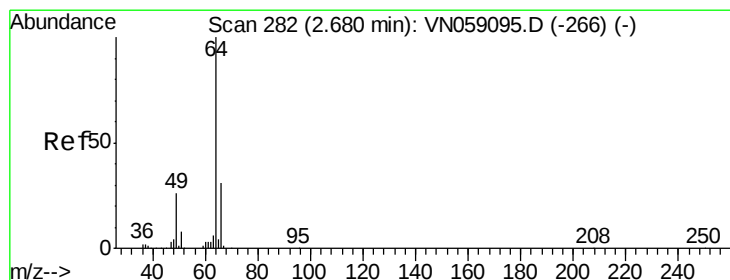
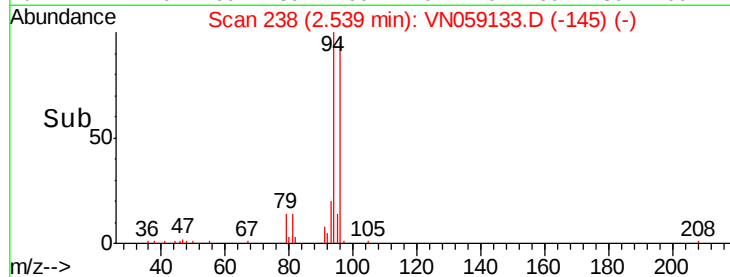
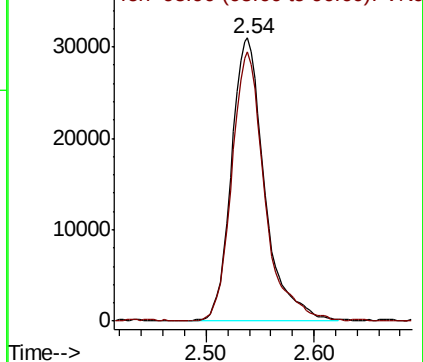
Ion Ratio Lower Upper

94 100

96 95.2 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.234 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059133.D

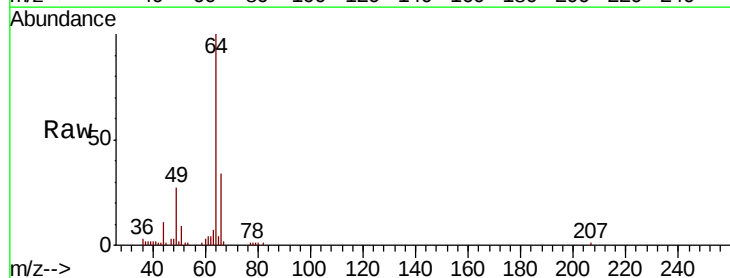
Acq: 8 Nov 2019 10:09

Tgt Ion: 64 Resp: 71222

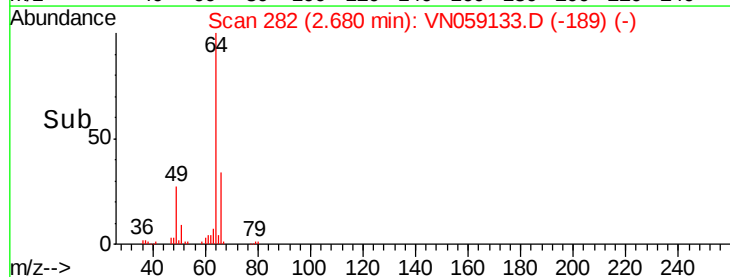
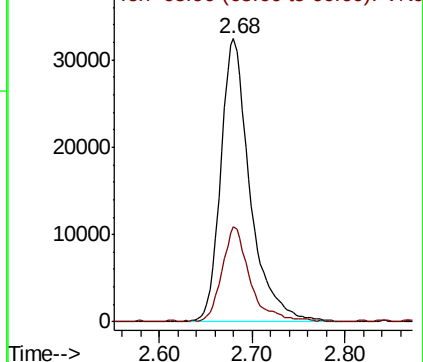
Ion Ratio Lower Upper

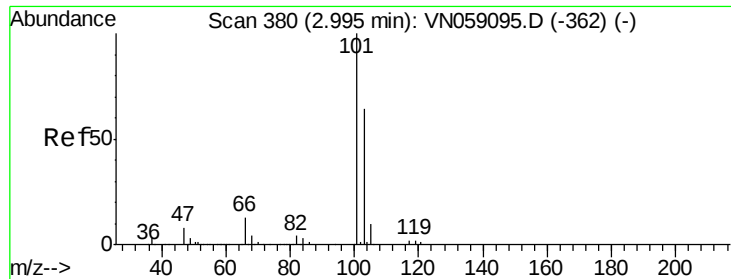
64 100

66 33.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



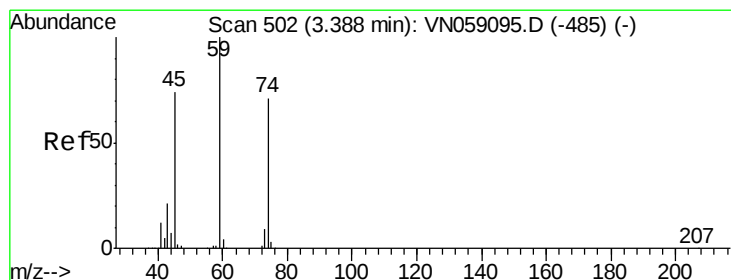
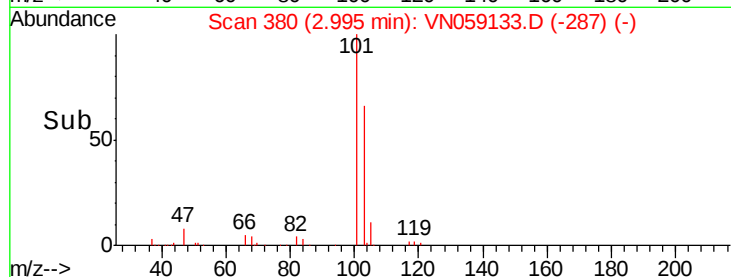
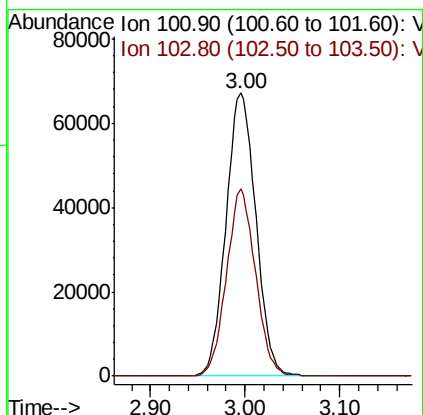
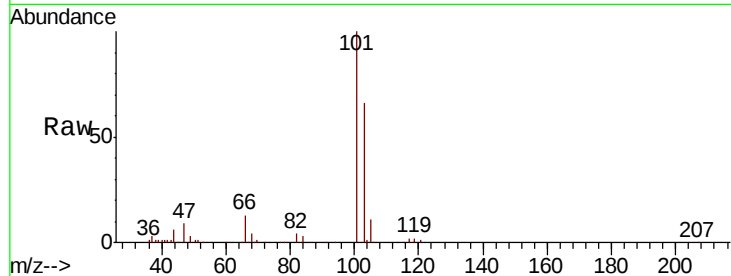


#7

Trichlorofluoromethane
 Concen: 19.721 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Instrument :
 MSVOA_N
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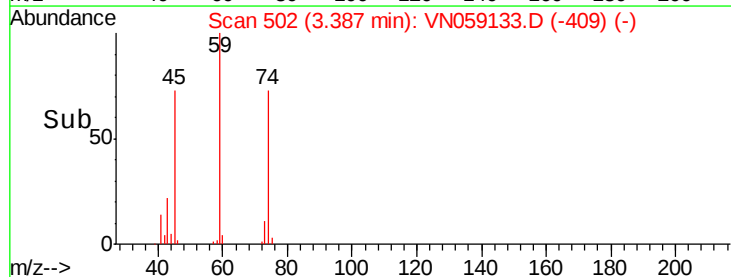
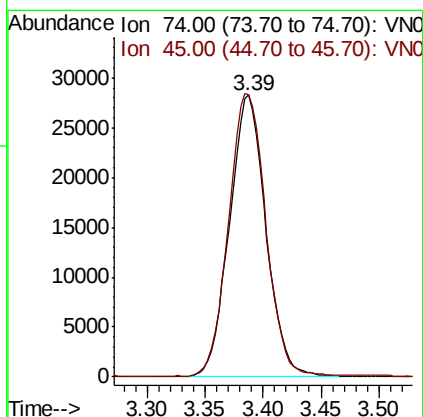
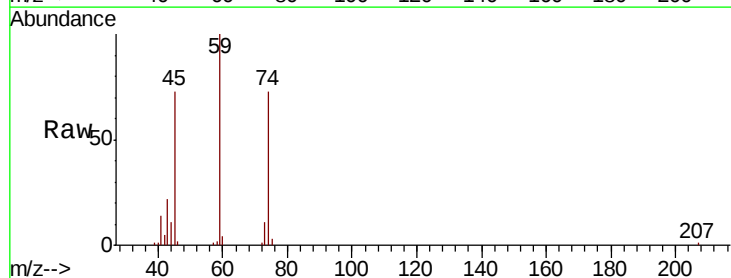
Tot Ion:101 Resp: 147655
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.2 76.8



#8

Diethyl Ether
 Concen: 20.218 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion: 74 Resp: 61508
 Ion Ratio Lower Upper
 74 100
 45 103.2 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.027 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

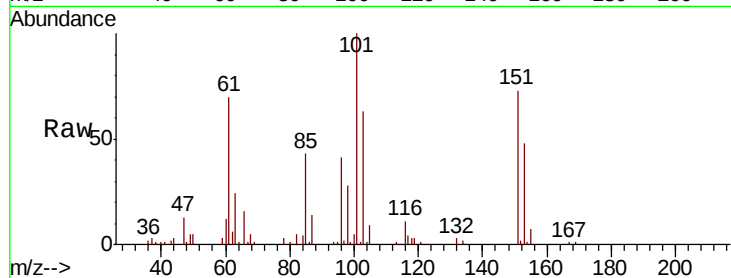
Tot Ion:101 Resp: 90412

Ion Ratio Lower Upper

101 100

85 44.2 35.5 53.3

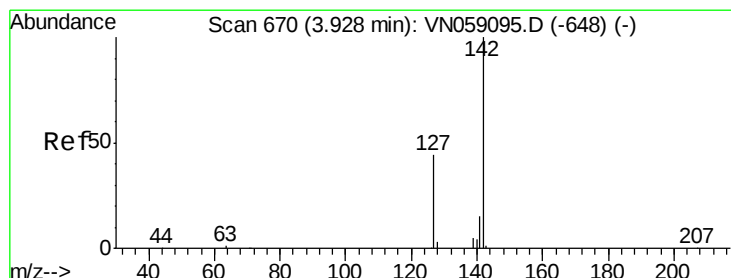
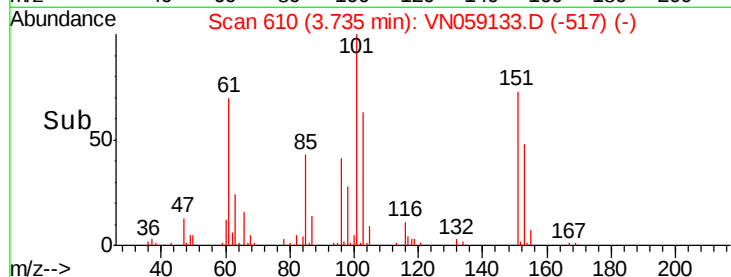
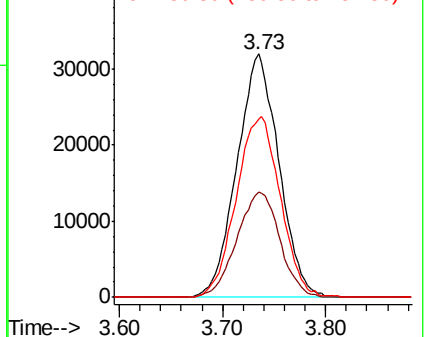
151 78.1 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.416 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

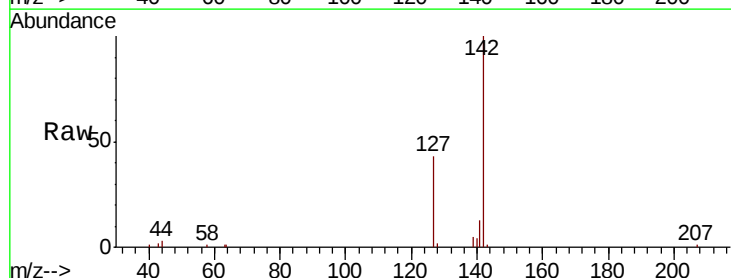
Tgt Ion:142 Resp: 91730

Ion Ratio Lower Upper

142 100

127 43.1 34.2 51.2

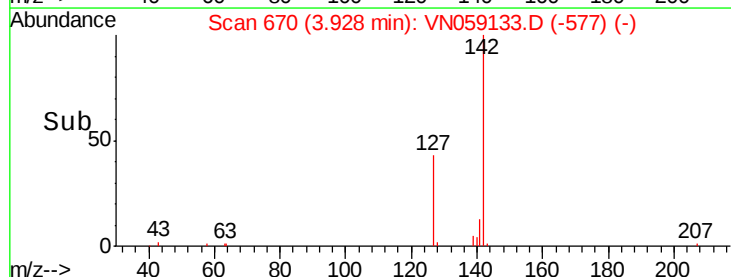
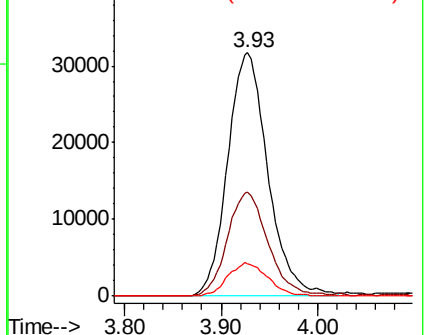
141 13.6 11.4 17.0

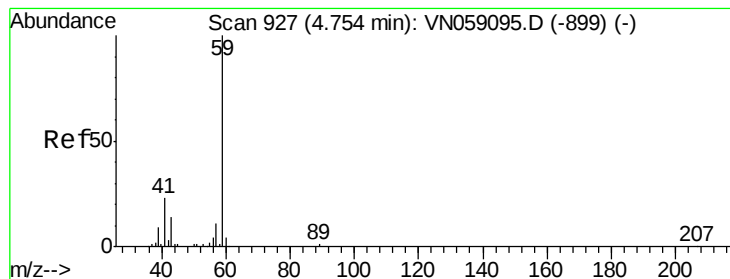


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.033 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

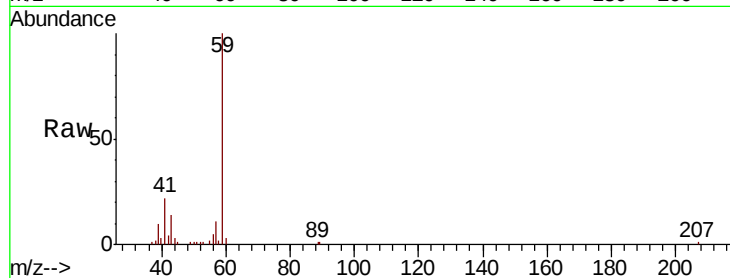
VN1108MBS01

Tot Ion: 59 Resp: 100537

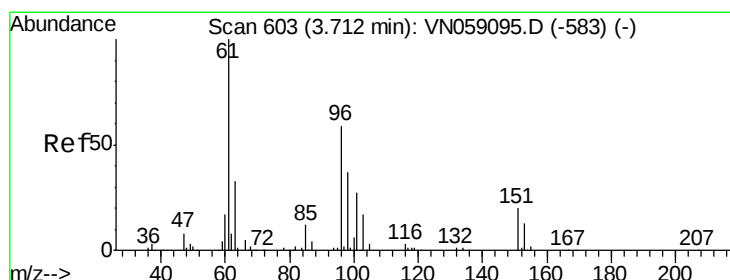
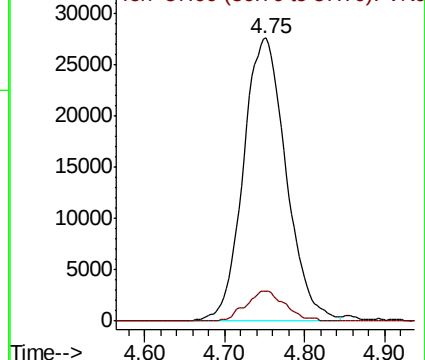
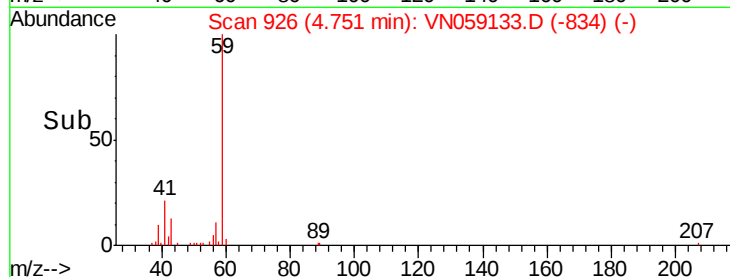
Ion Ratio Lower Upper

59 100

57 9.8 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN059133.D (-834) (-)



#12

1,1-Dichloroethene

Concen: 19.692 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

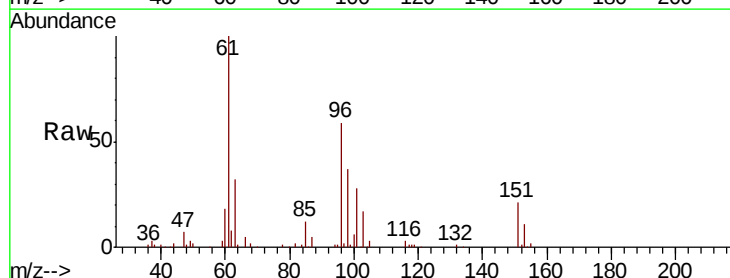
Tgt Ion: 96 Resp: 86598

Ion Ratio Lower Upper

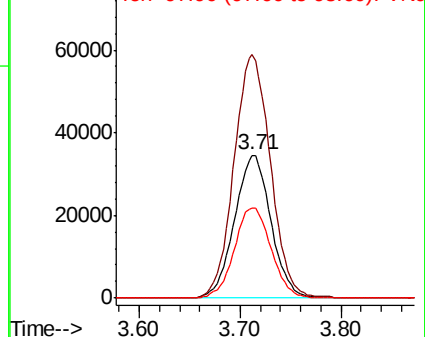
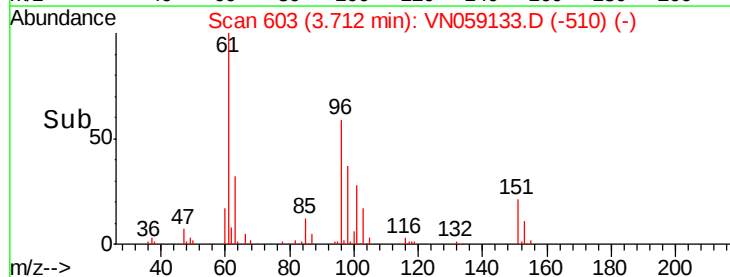
96 100

61 170.1 136.5 204.7

98 63.1 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN059133.D (-510) (-)





#13

Acrolein

Concen: 86.787 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

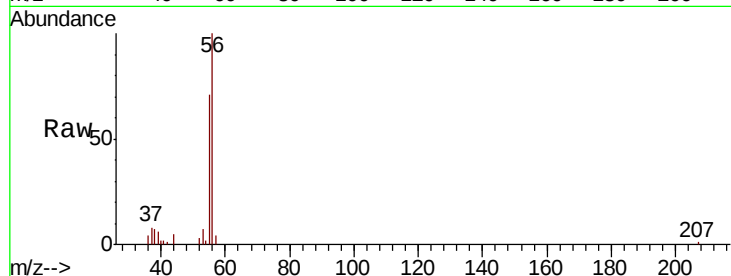
VN1108MBS01

Tot Ion: 56 Resp: 49417

Ion Ratio Lower Upper

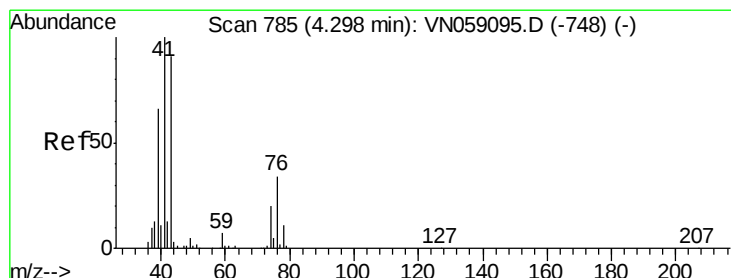
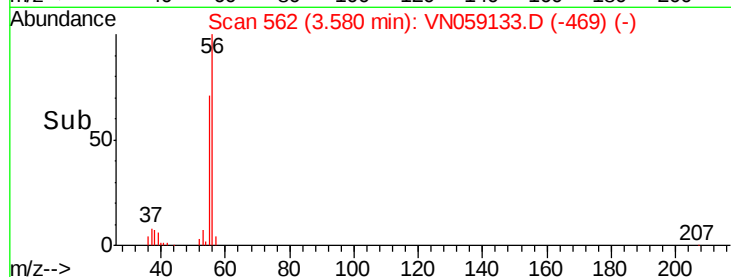
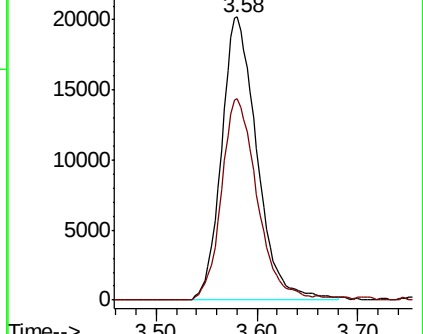
56 100

55 71.5 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.963 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

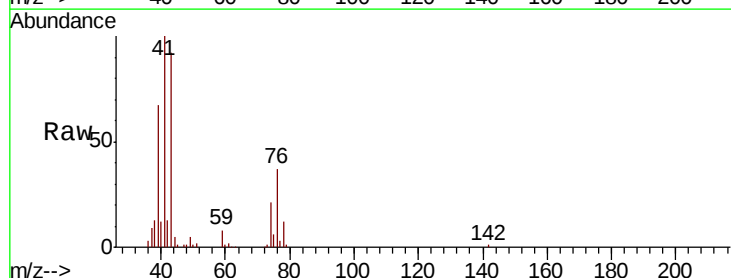
Tgt Ion: 41 Resp: 171303

Ion Ratio Lower Upper

41 100

39 61.6 49.1 73.7

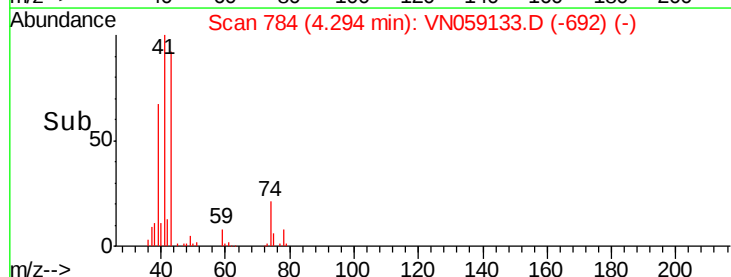
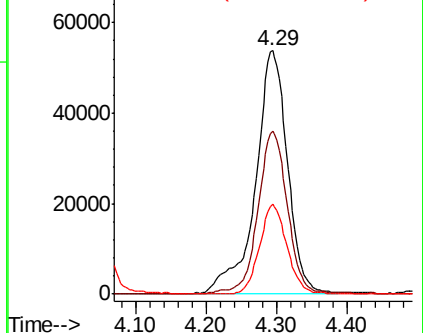
76 31.5 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.825 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VN1108MBS01

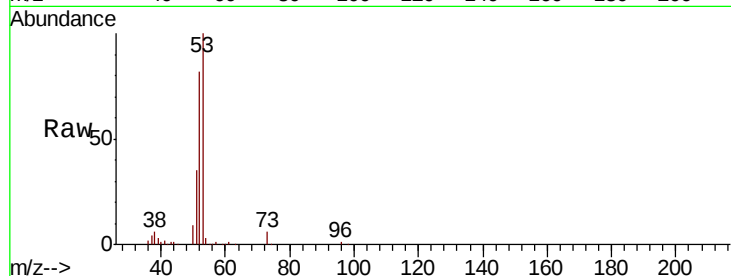
Tot Ion: 53 Resp: 274367

Ion Ratio Lower Upper

53 100

52 81.5 65.0 97.6

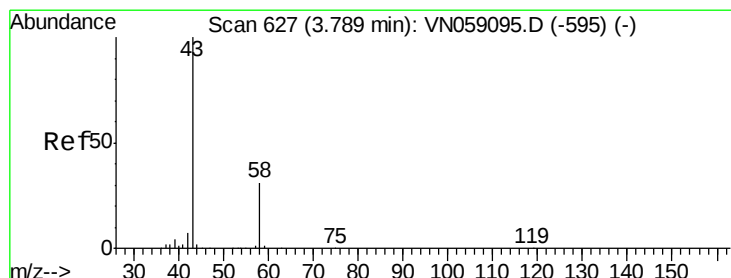
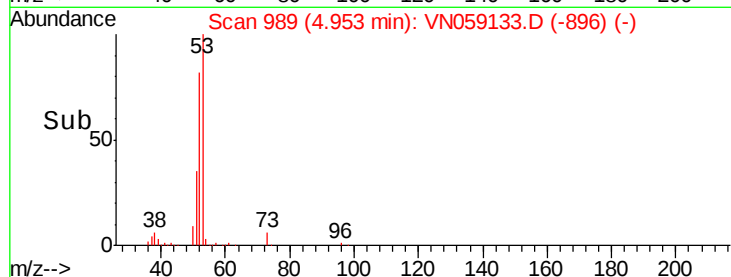
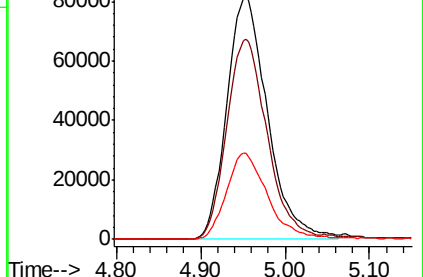
51 35.8 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059133.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059133.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059133.D (-966) (-)



#16

Acetone

Concen: 103.612 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059133.D

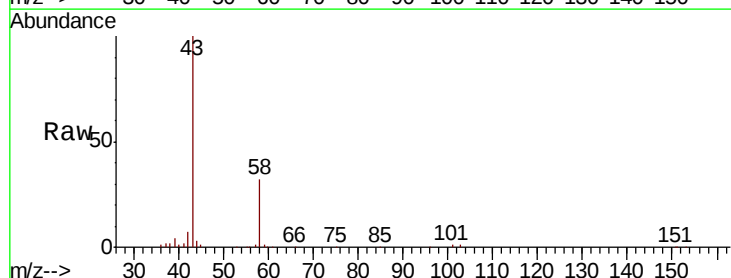
Acq: 8 Nov 2019 10:09

Tgt Ion: 43 Resp: 312237

Ion Ratio Lower Upper

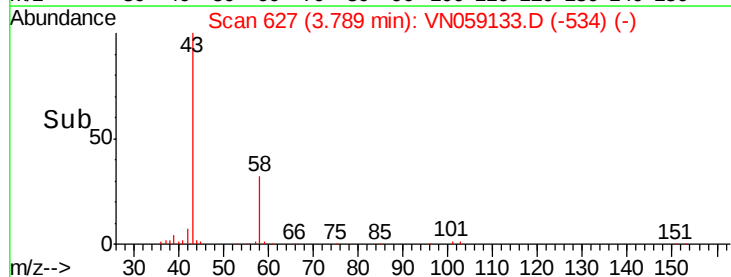
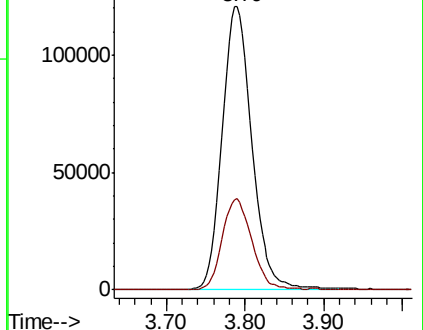
43 100

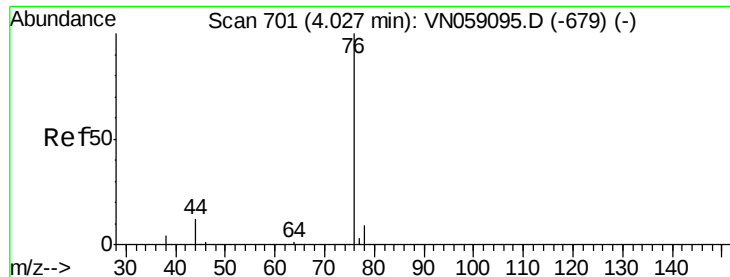
58 32.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059133.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059133.D (-534) (-)

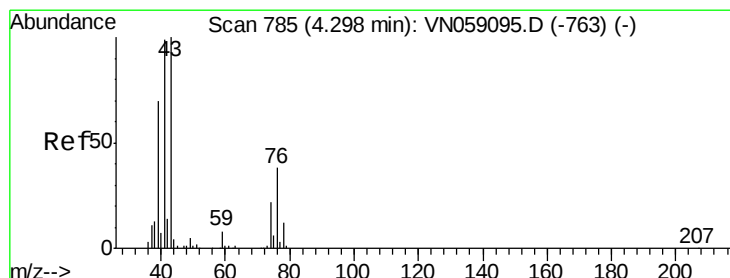
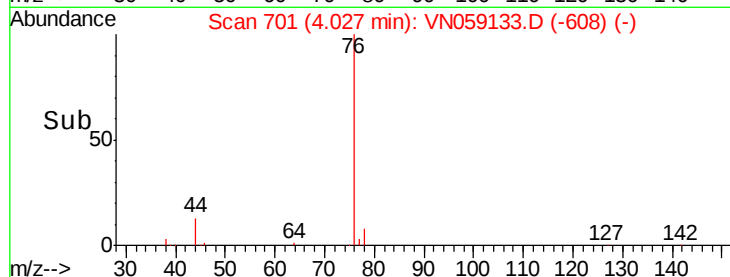
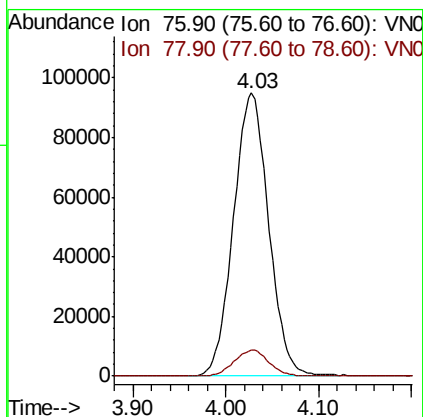
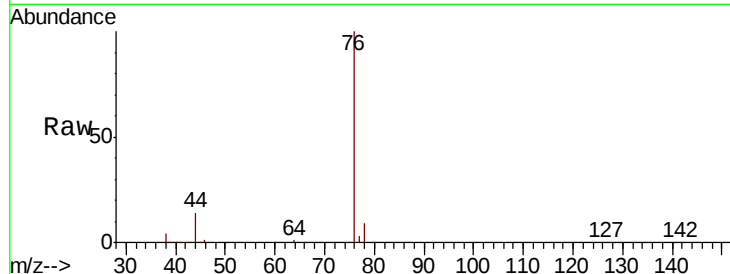




#17
Carbon Disulfide
Concen: 18.317 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

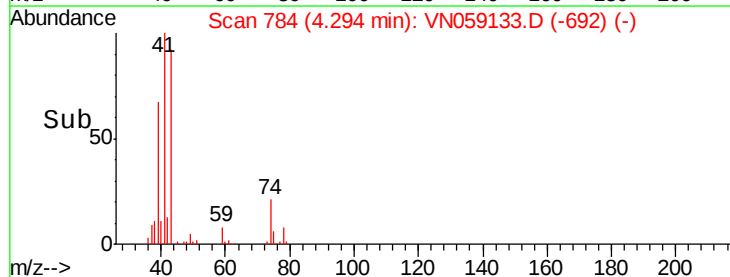
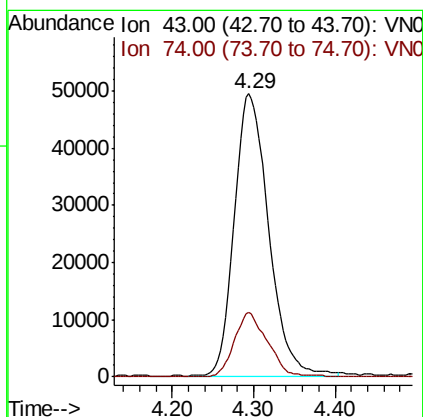
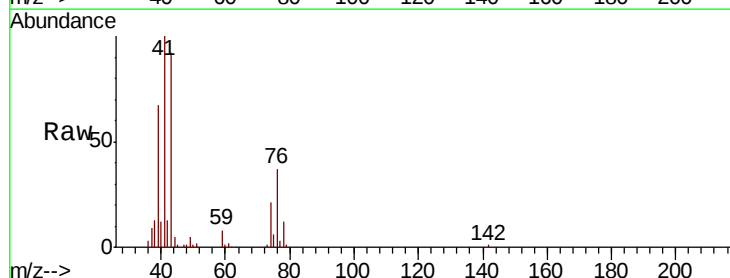
Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

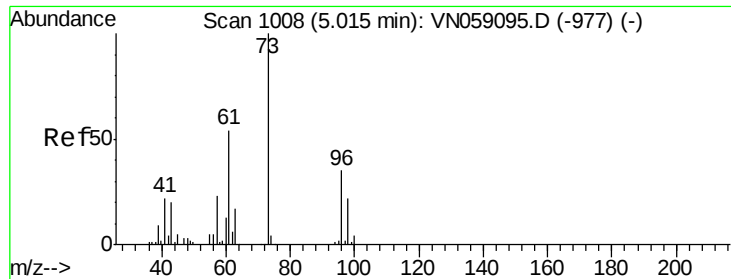
Tot Ion: 76 Resp: 250052
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 20.411 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion: 43 Resp: 145995
Ion Ratio Lower Upper
43 100
74 21.8 17.8 26.8

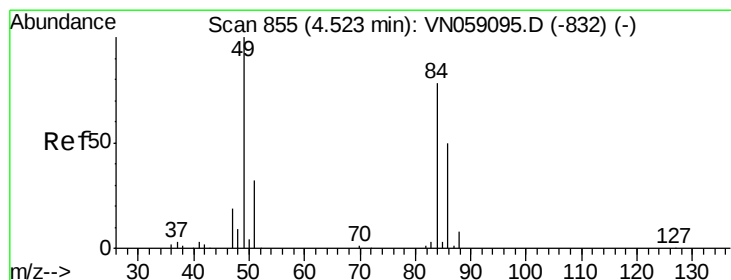
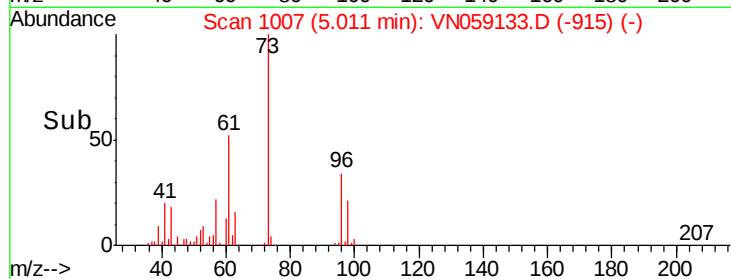
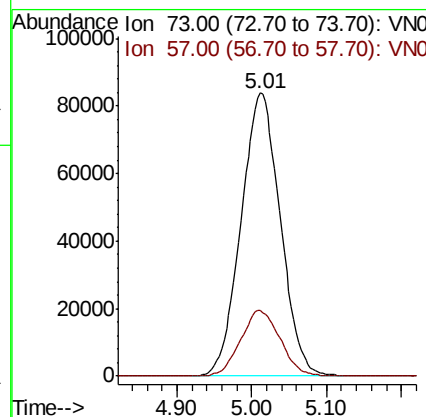
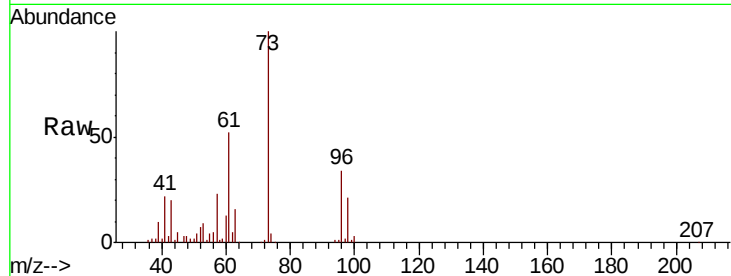




#19
Methvl tert-butvl Ether
Concen: 20.202 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

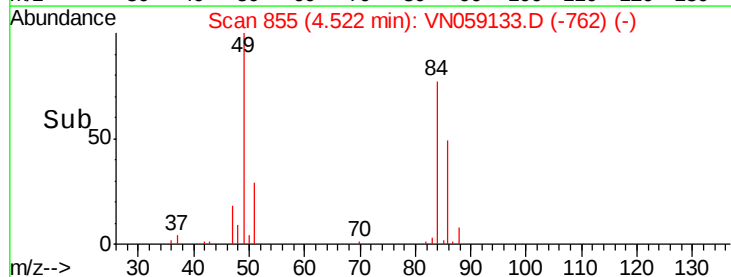
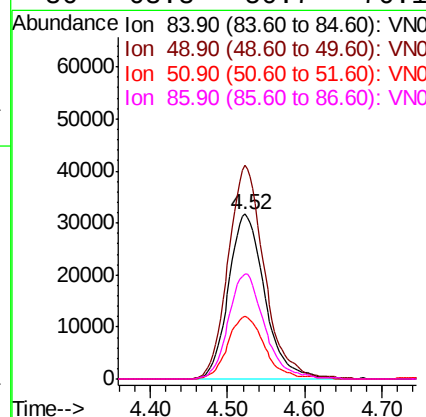
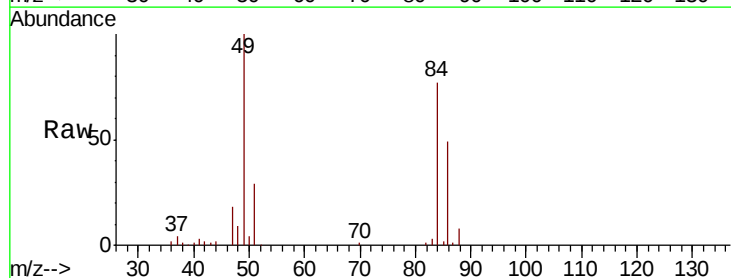
Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

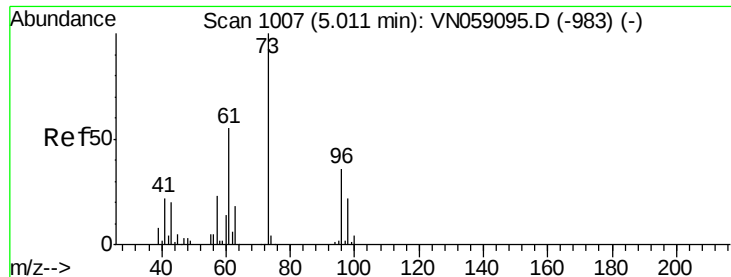
Tot Ion: 73 Resp: 305867
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6



#20
Methylene Chloride
Concen: 19.678 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion: 84 Resp: 103308
Ion Ratio Lower Upper
84 100
49 129.7 102.0 153.0
51 37.8 32.2 48.2
86 63.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.919 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VN1108MBS01

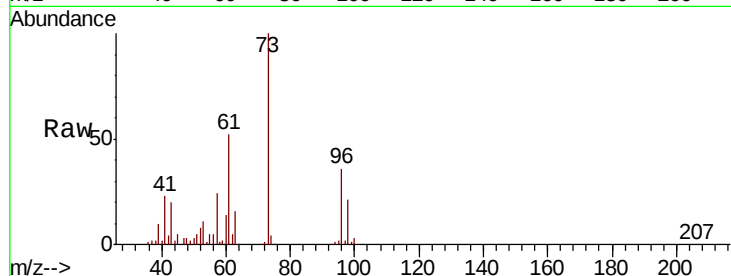
Tot Ion: 96 Resp: 94027

Ion Ratio Lower Upper

96 100

61 147.2 122.6 183.8

98 58.1 50.3 75.5

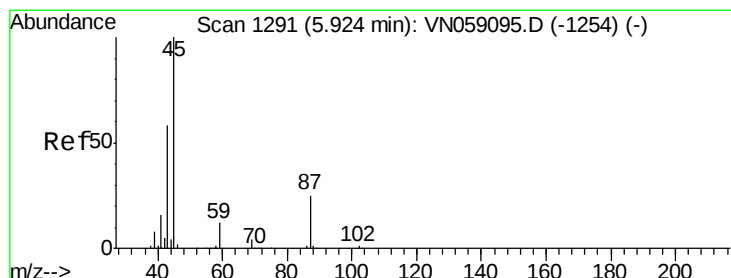
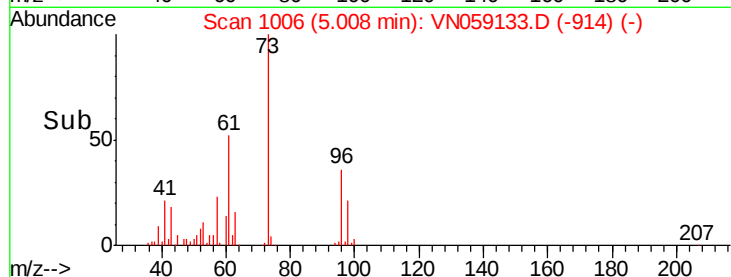
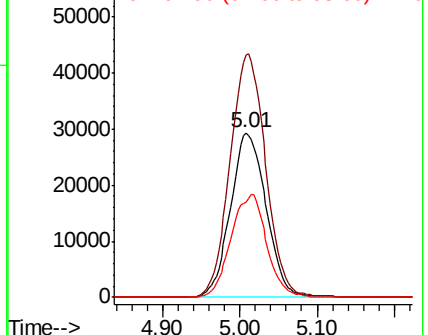


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.068 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion: 45 Resp: 342415

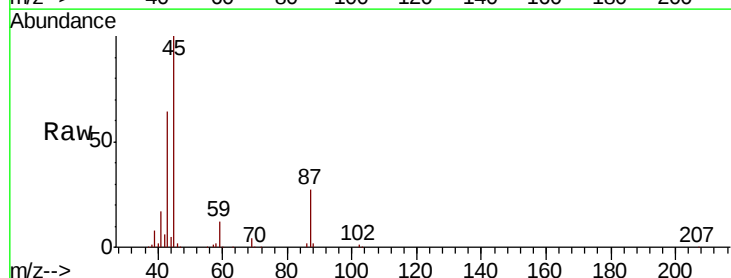
Ion Ratio Lower Upper

45 100

43 61.4 46.7 70.1

87 26.4 20.5 30.7

59 11.4 9.6 14.4



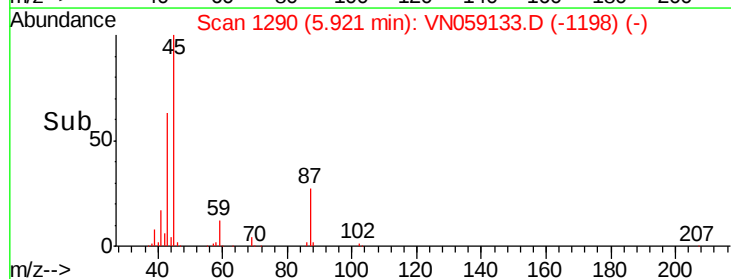
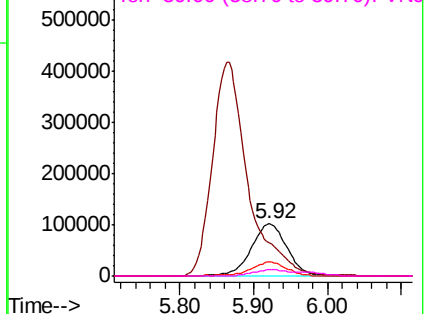
Abundance

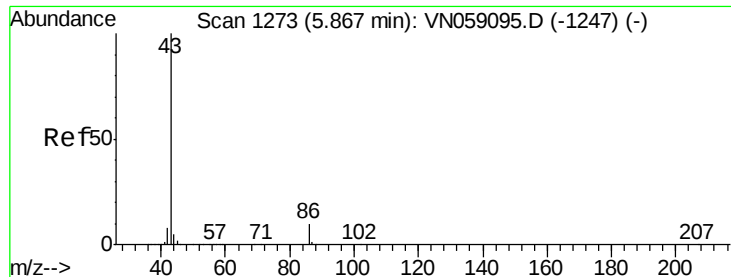
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 105.615 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

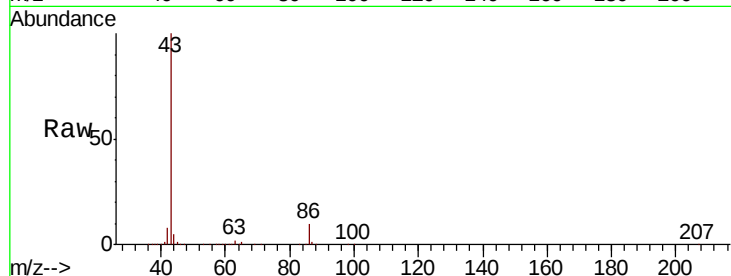
VN1108MBS01

Tot Ion: 43 Resp: 1396635

Ion Ratio Lower Upper

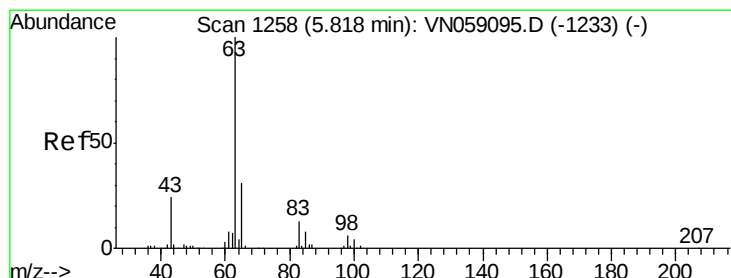
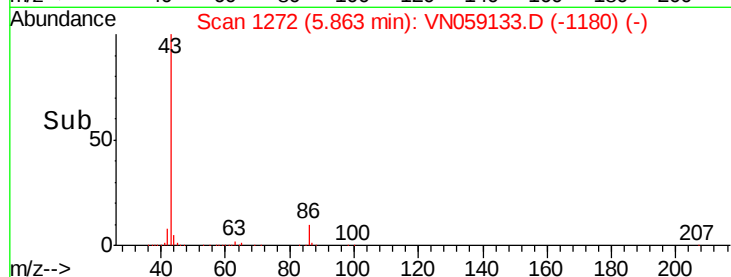
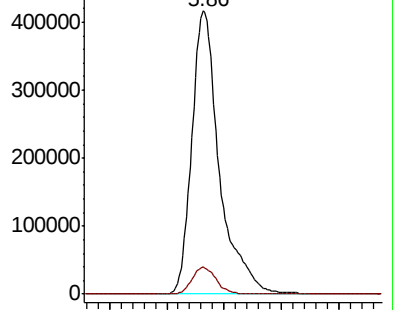
43 100

86 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059133.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059133.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 19.734 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

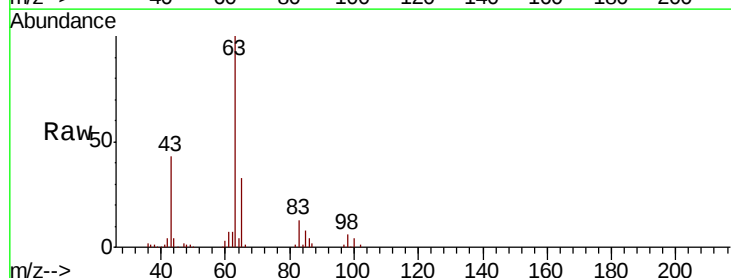
Tgt Ion: 63 Resp: 188063

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

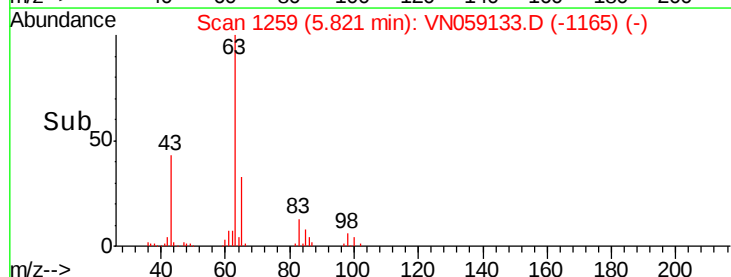
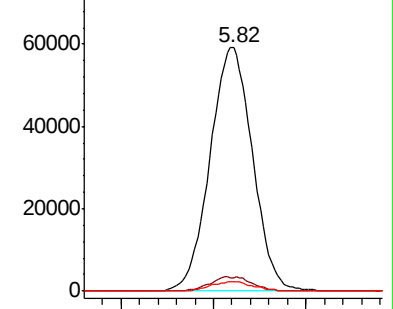
100 4.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059133.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059133.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059133.D (-1165) (-)





#25

2-Butanone

Concen: 99.824 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

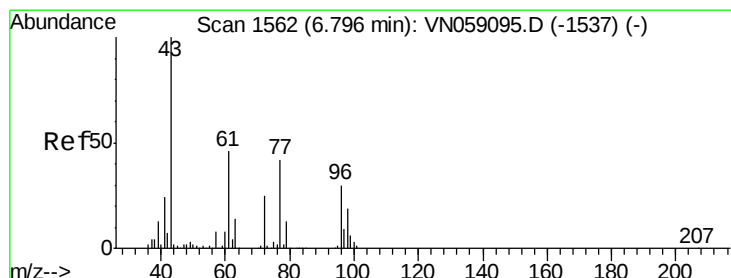
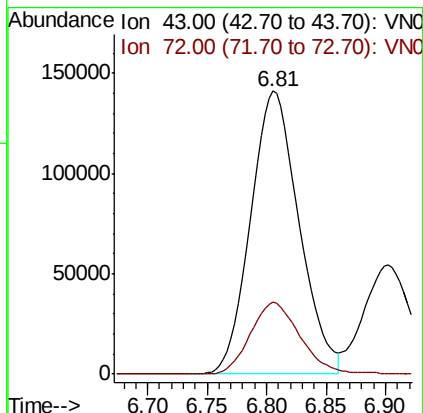
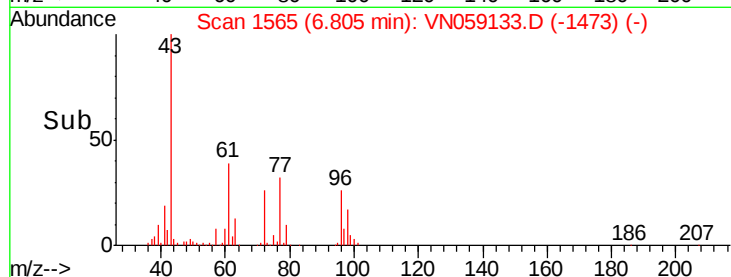
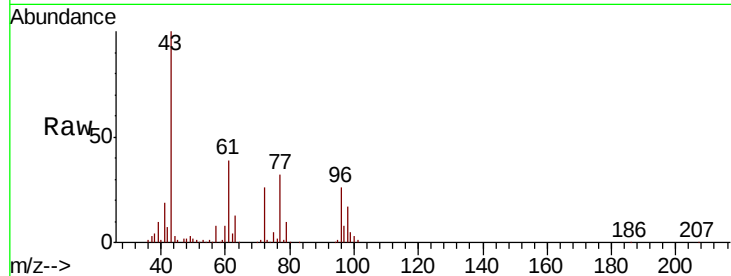
VN1108MBS01

Tot Ion: 43 Resp: 396463

Ion Ratio Lower Upper

43 100

72 25.6 20.3 30.5



#26

2,2-Dichloropropane

Concen: 19.290 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059133.D

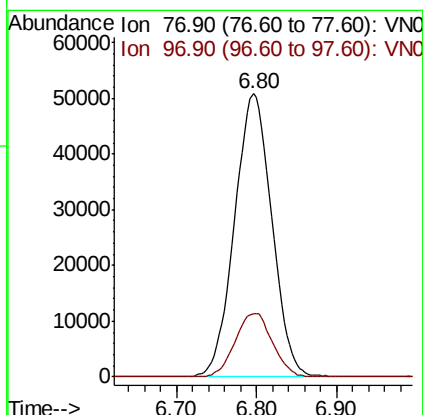
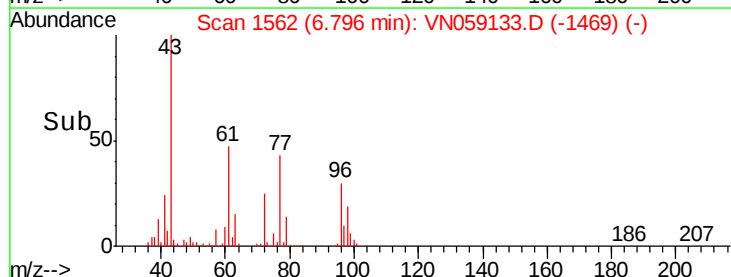
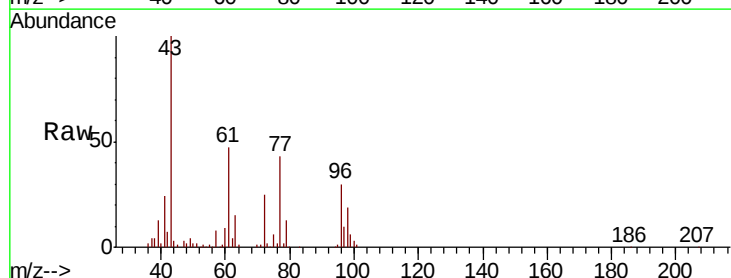
Acq: 8 Nov 2019 10:09

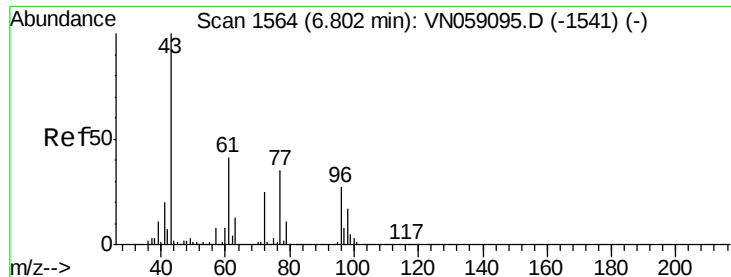
Tgt Ion: 77 Resp: 160743

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.770 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

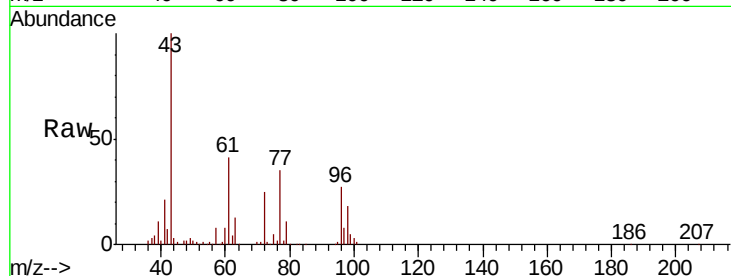
Tot Ion: 96 Resp: 108271

Ion Ratio Lower Upper

96 100

61 157.5 0.0 311.6

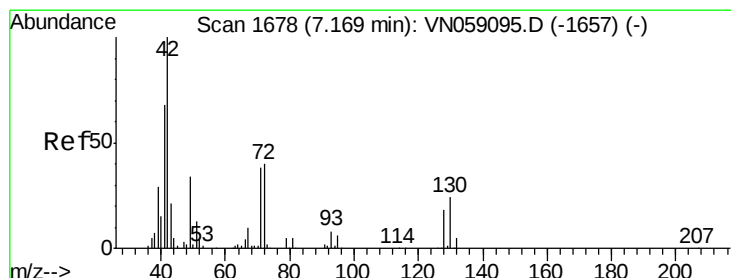
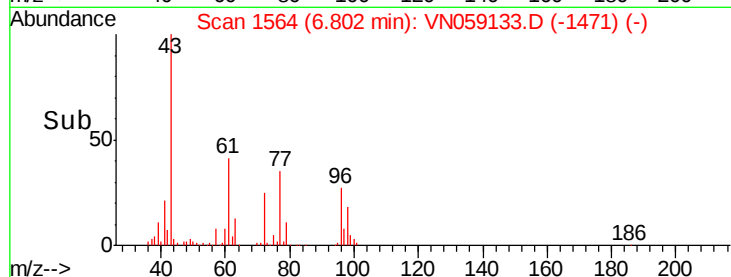
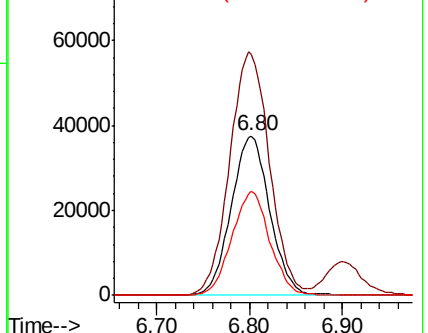
98 64.0 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059133.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059133.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059133.D (-1471) (-)



#28

Bromochloromethane

Concen: 19.459 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

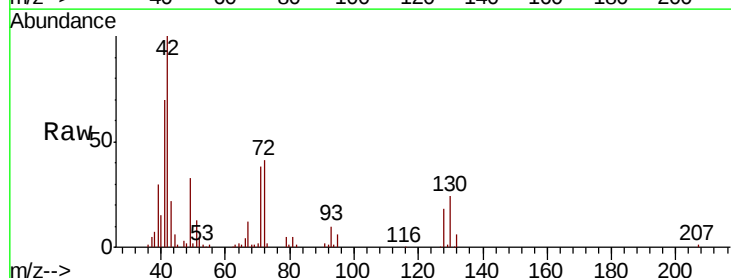
Tgt Ion: 49 Resp: 55792

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

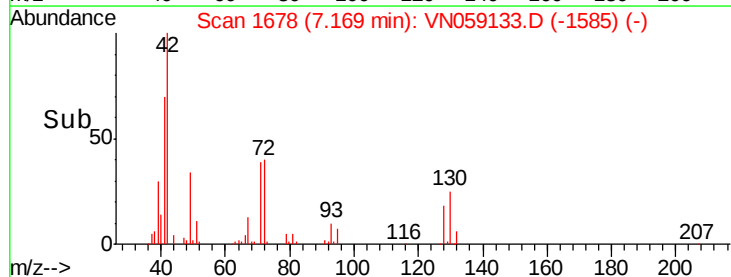
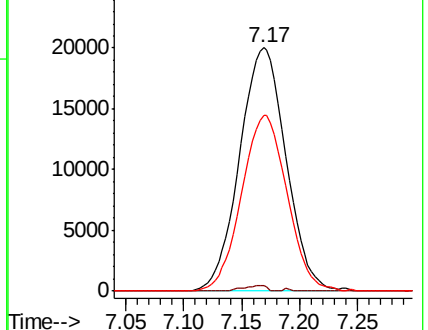
130 70.6 55.6 83.4

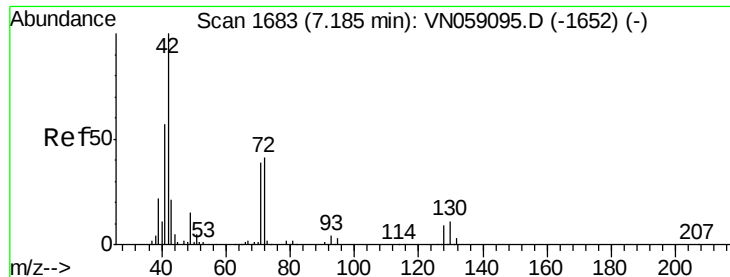


Abundance Ion 48.90 (48.60 to 49.60): VN059133.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059133.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059133.D (-1585) (-)

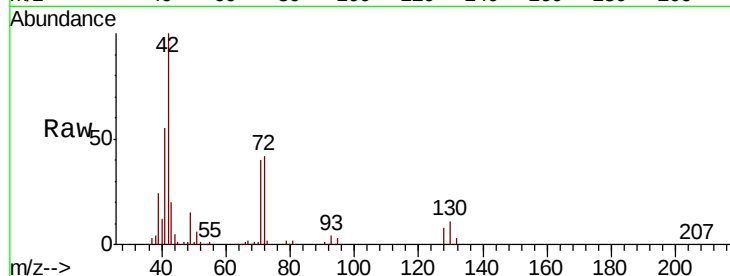




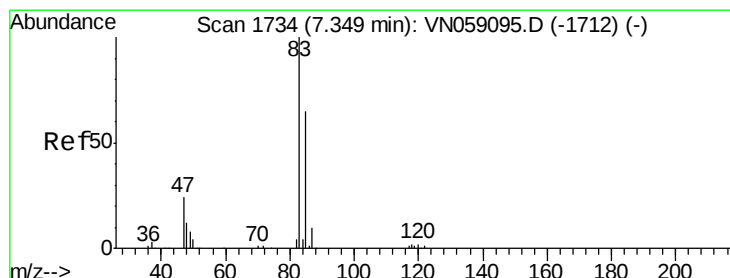
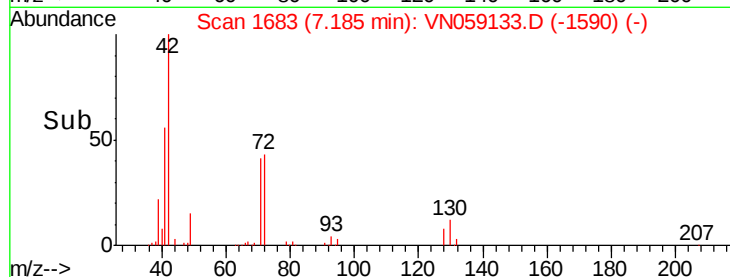
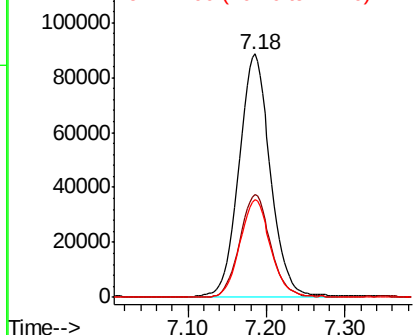
#29
Tetrahydrofuran
Concen: 97.994 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.1	49.7
71	39.4	30.9	46.3

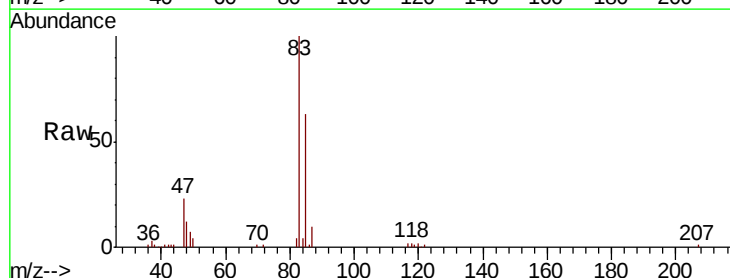


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

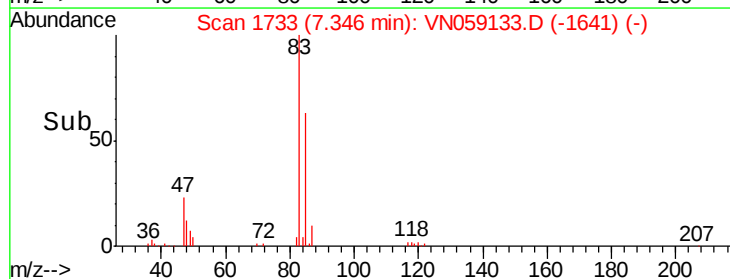
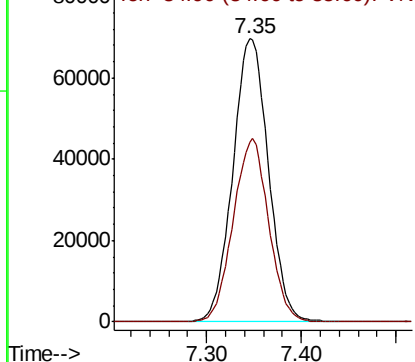


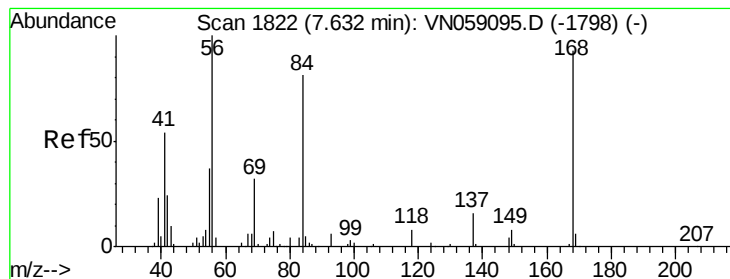
#30
Chloroform
Concen: 19.928 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.8



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





#31

Cyclohexane

Concen: 19.086 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

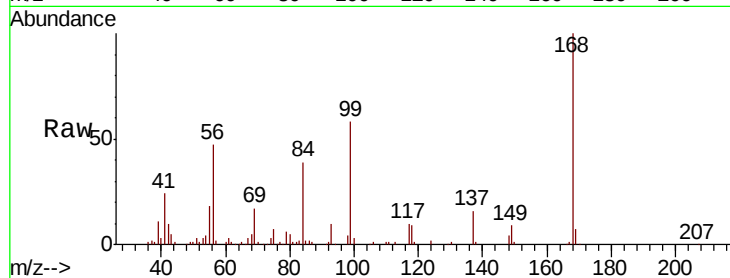
Tot Ion: 56 Resp: 172192

Ion Ratio Lower Upper

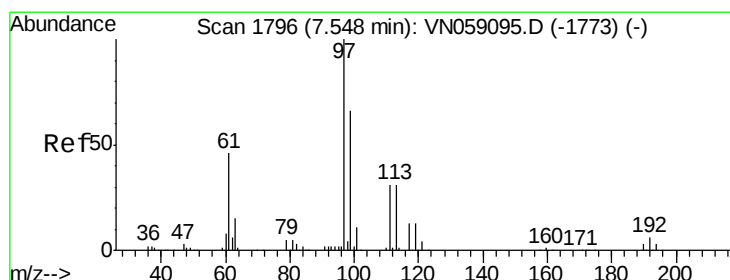
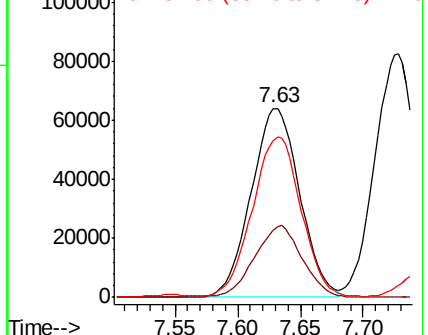
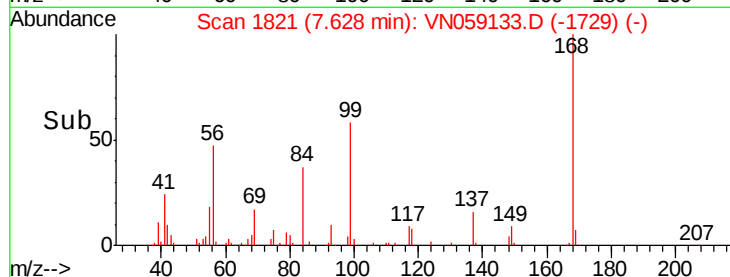
56 100

69 35.5 25.8 38.8

84 81.8 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN059133.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 20.202 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

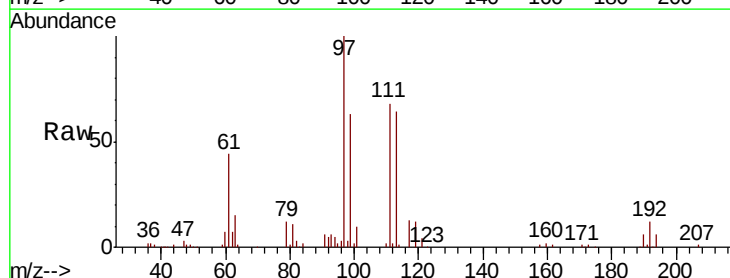
Tgt Ion: 97 Resp: 155272

Ion Ratio Lower Upper

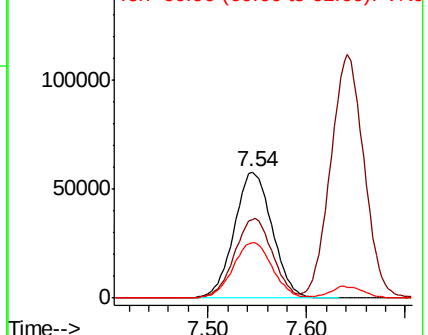
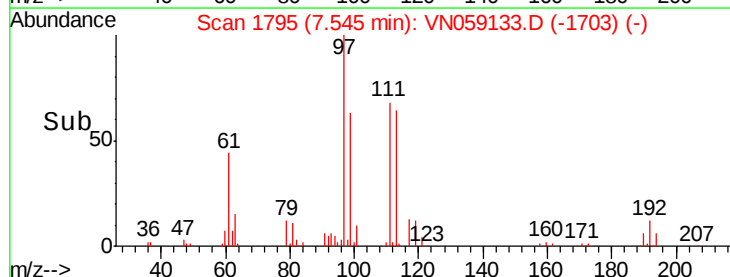
97 100

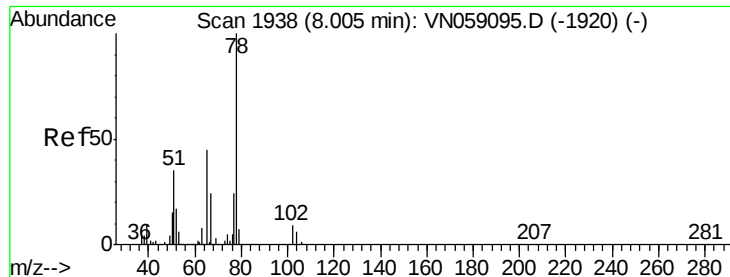
99 62.9 51.0 76.6

61 45.1 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VN059133.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.264 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

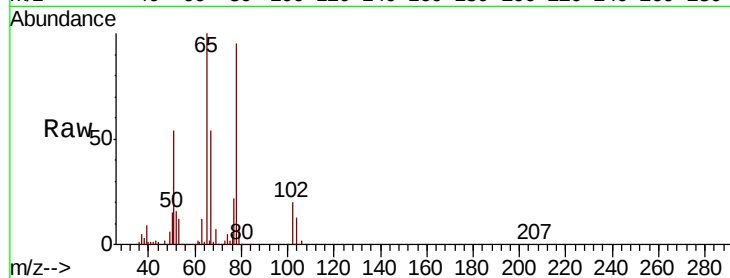
VN1108MBS01

Tot Ion: 65 Resp: 279689

Ion Ratio Lower Upper

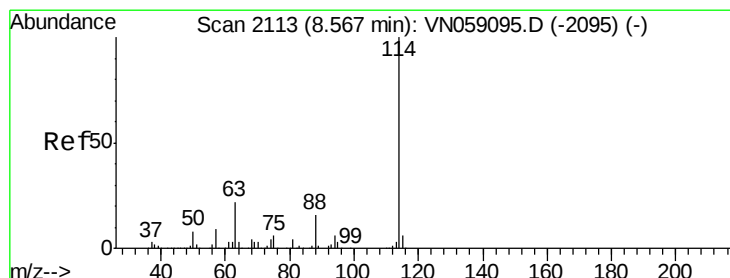
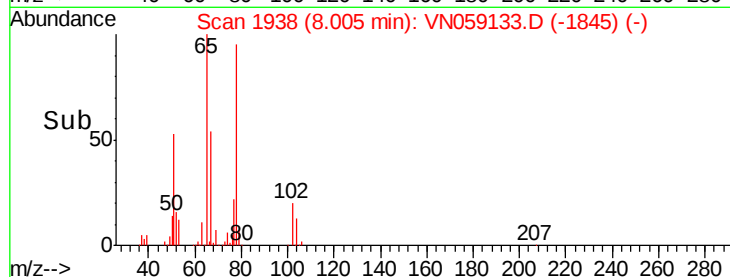
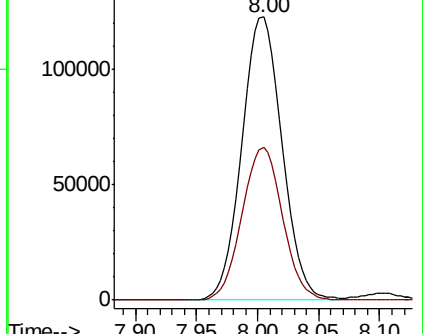
65 100

67 54.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059133.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059133.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

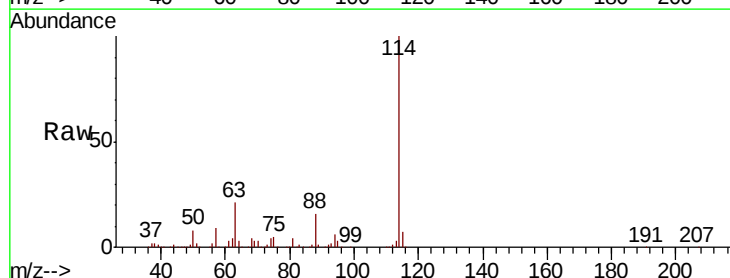
Tgt Ion: 114 Resp: 725154

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

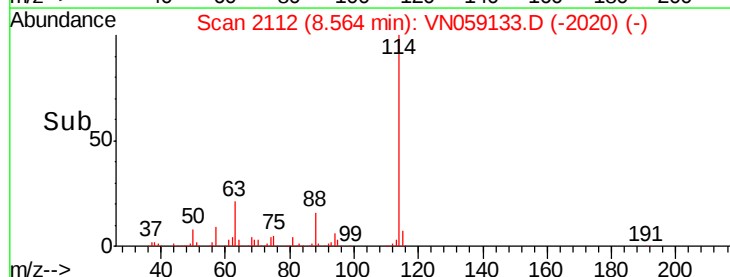
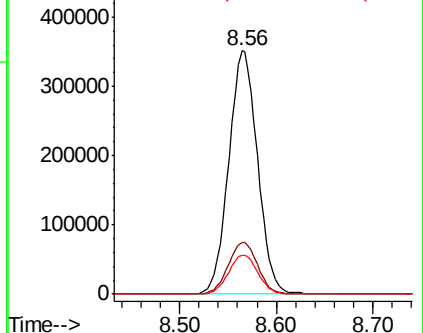
88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059133.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059133.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059133.D (-2020) (-)

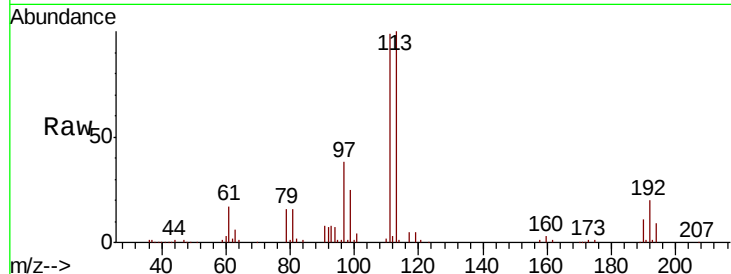




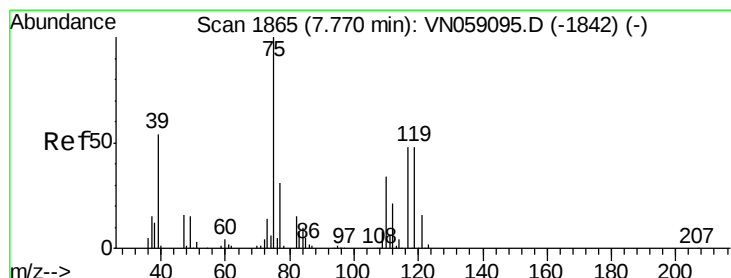
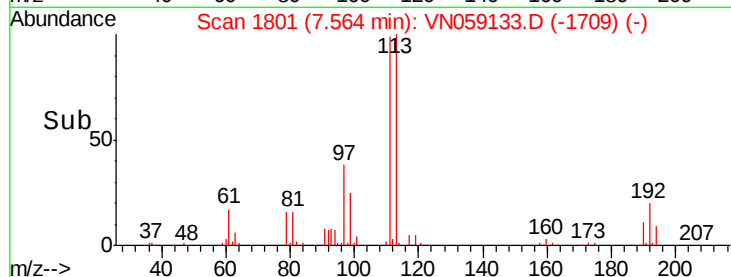
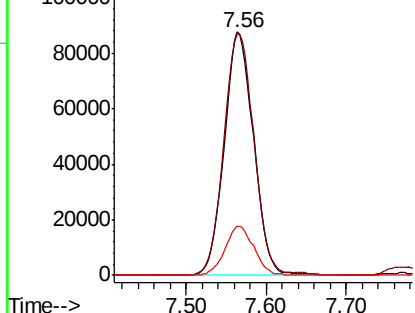
#35
 Dibromofluoromethane
 Concen: 50.517 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.8	124.2
192	20.0	16.1	24.1

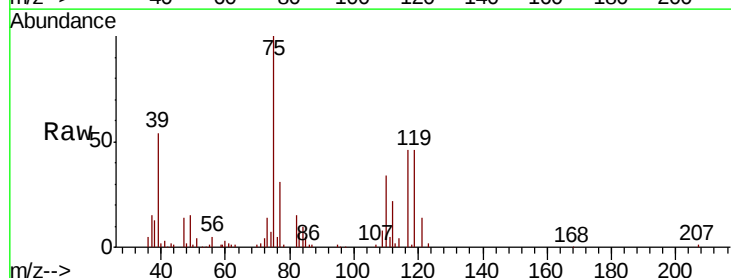


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

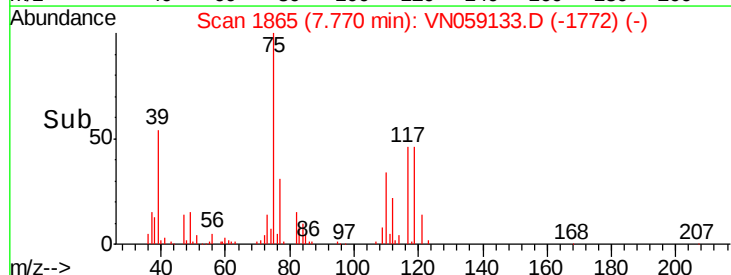
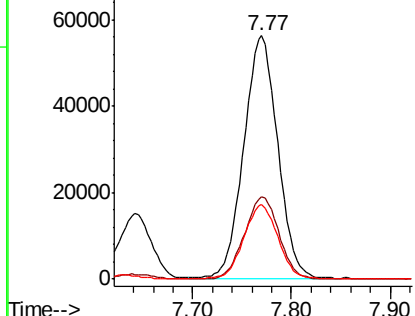


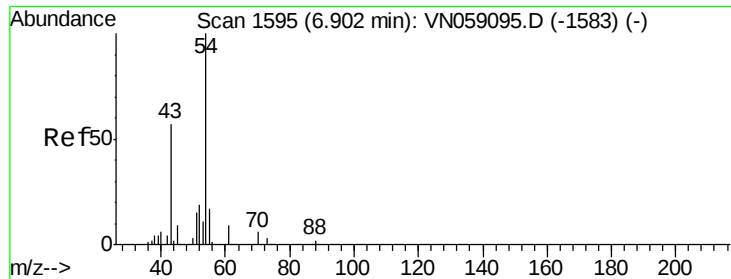
#36
 1,1-Dichloropropene
 Concen: 19.748 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.1	51.2
77	31.1	24.8	37.2



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

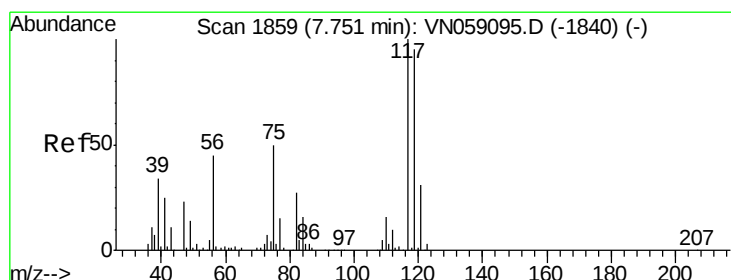
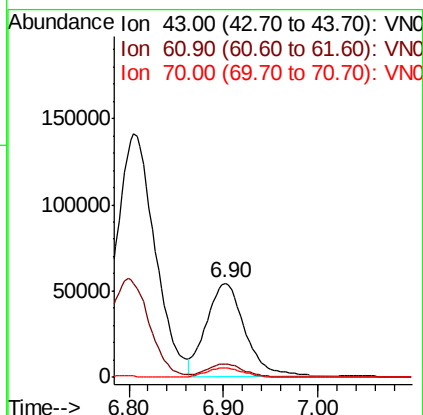
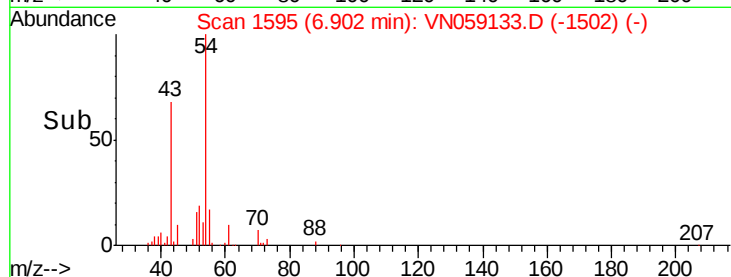
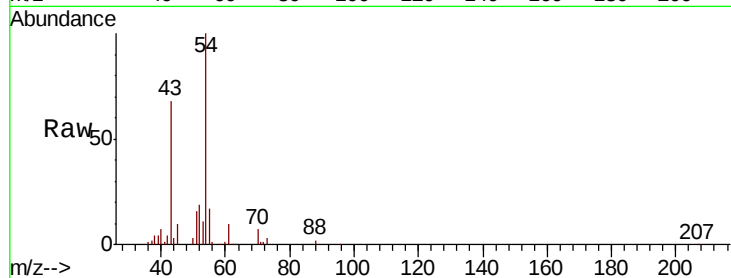




#37
Ethyl Acetate
Concen: 20.340 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

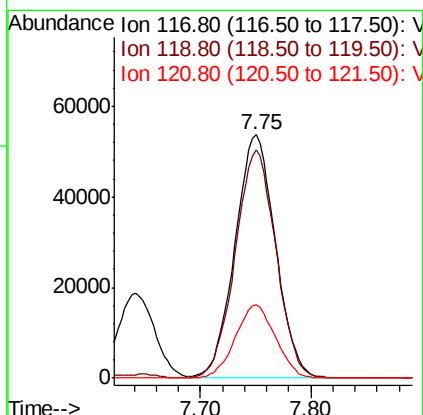
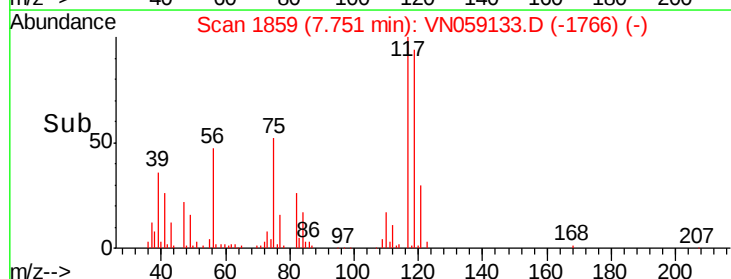
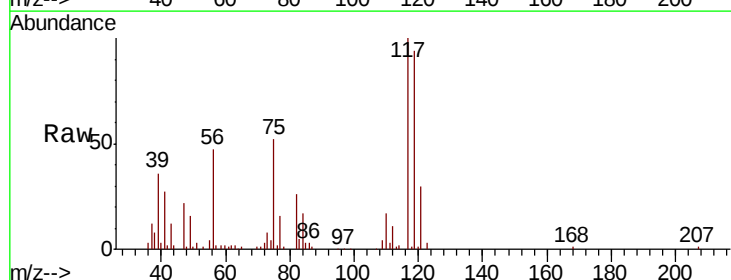
Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion: 43 Resp: 153373
Ion Ratio Lower Upper
43 100
61 14.5 11.2 16.8
70 9.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.256 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion: 117 Resp: 136656
Ion Ratio Lower Upper
117 100
119 93.8 75.6 113.4
121 30.1 24.6 36.8

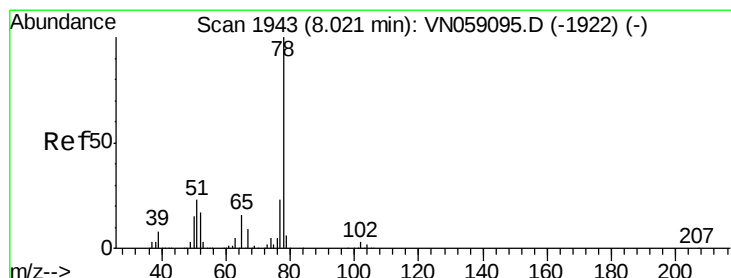
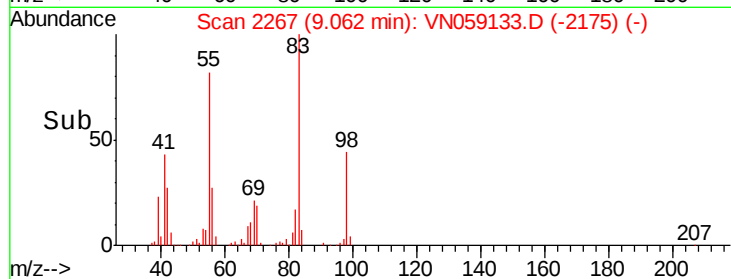
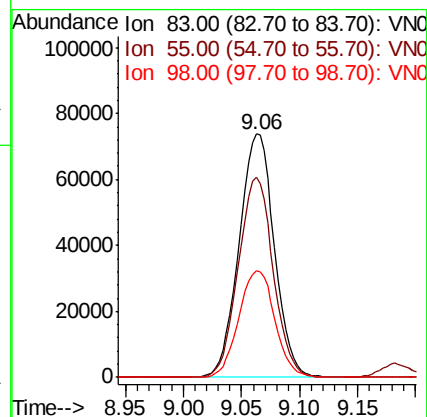
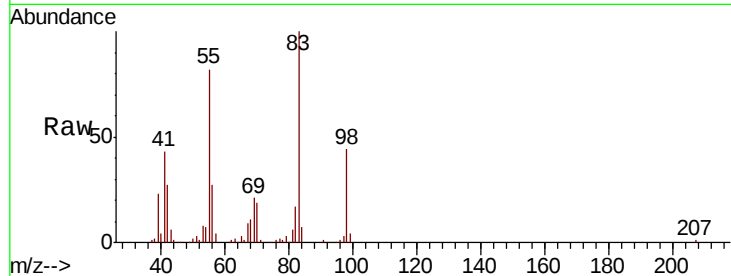




#39
Methvlcvclohexane
Concen: 19.842 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

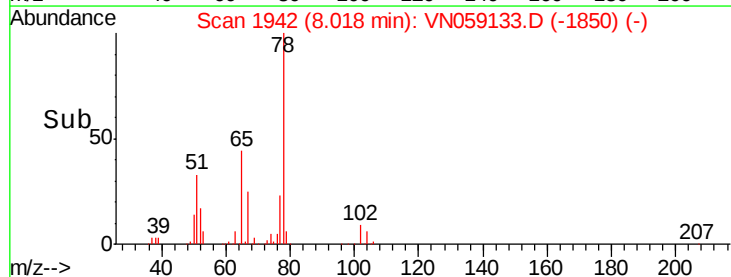
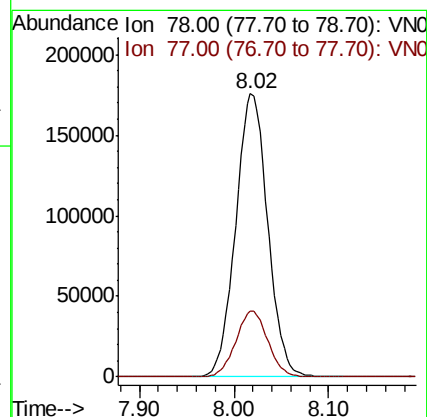
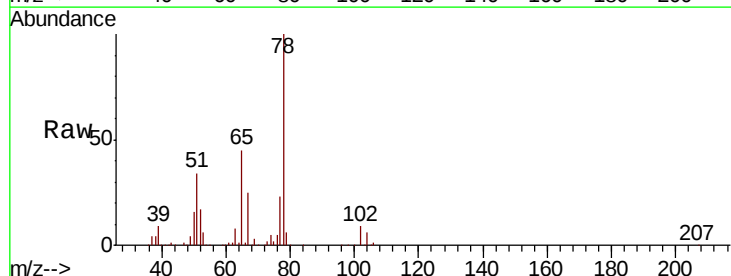
Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

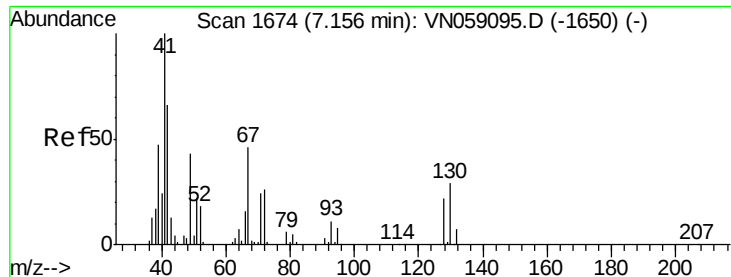
Tot Ion: 83 Resp: 156089
Ion Ratio Lower Upper
83 100
55 82.0 63.9 95.9
98 43.7 35.6 53.4



#40
Benzene
Concen: 20.242 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion: 78 Resp: 413169
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

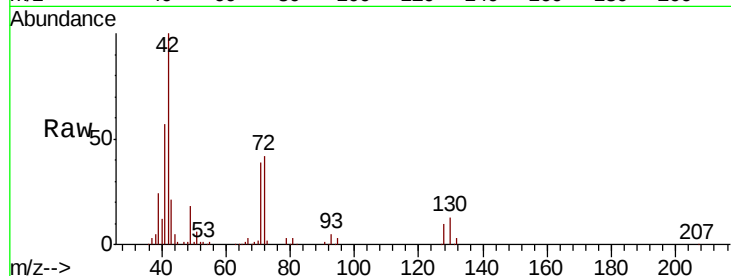




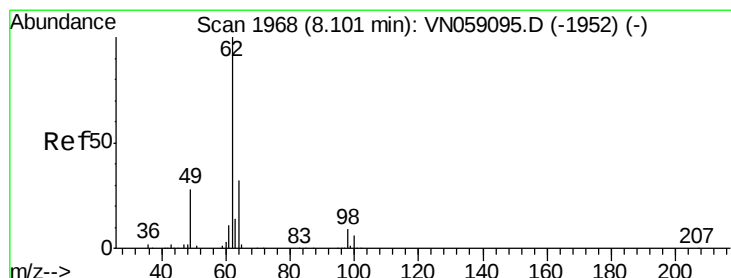
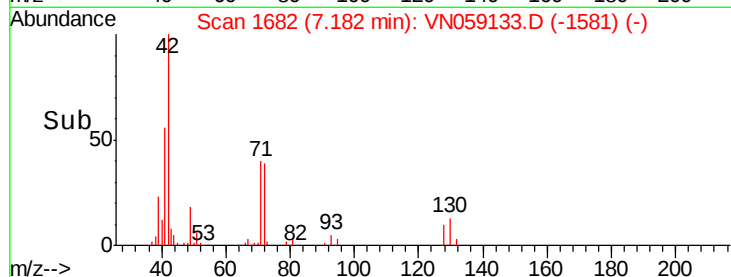
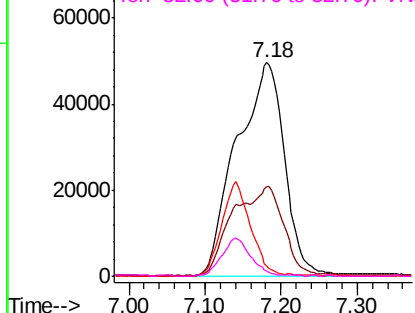
#41
Methacrylonitrile
Concen: 66.145 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion:	41	Resp:	216882
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

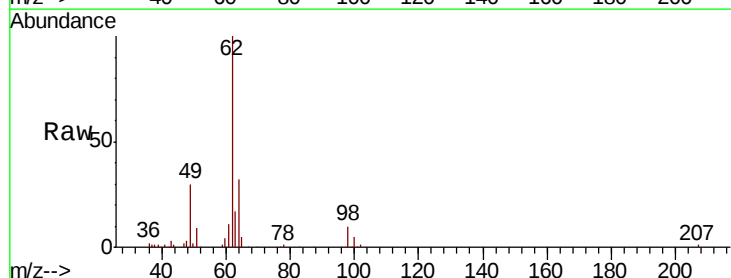


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

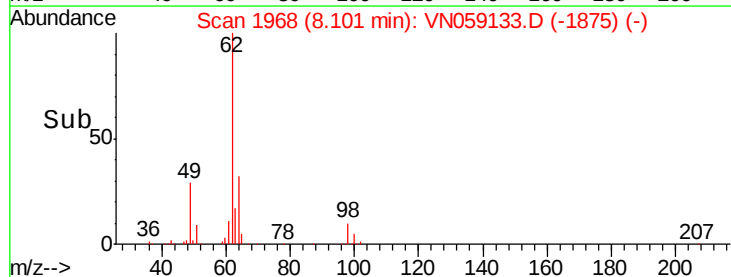
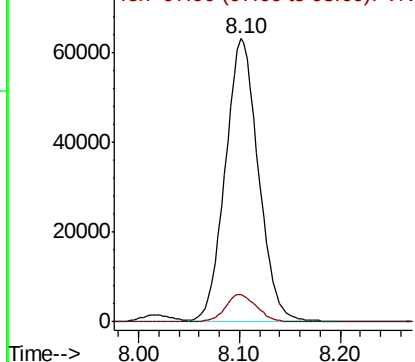


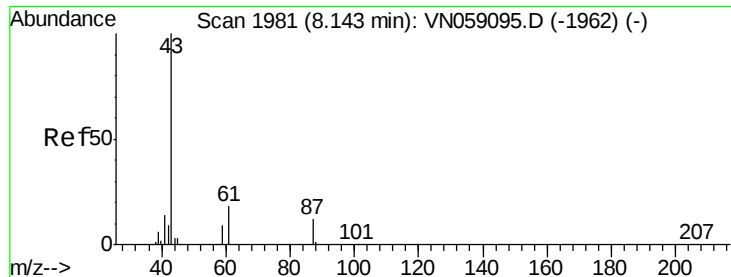
#42
1,2-Dichloroethane
Concen: 20.581 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion:	62	Resp:	144080
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 19.525 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

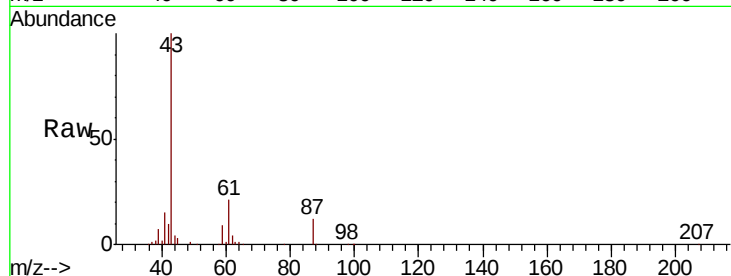
Tot Ion: 43 Resp: 234715

Ion Ratio Lower Upper

43 100

61 27.1 21.0 31.6

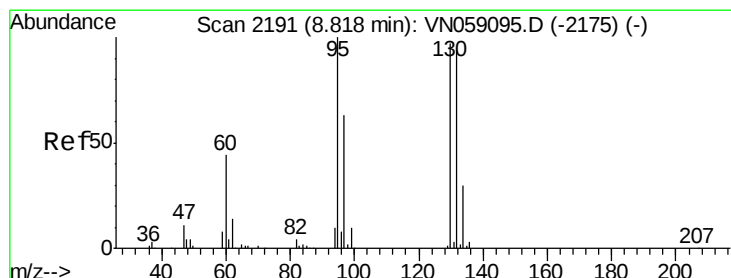
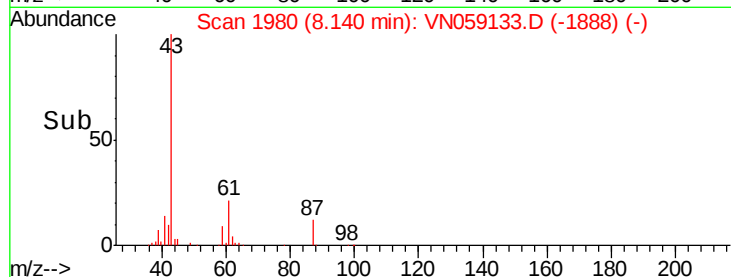
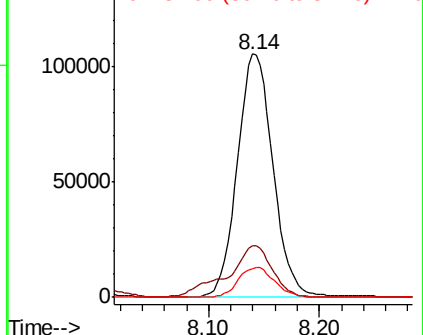
87 12.7 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059133.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN059133.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN059133.D (-1988) (-)



#44

Trichloroethene

Concen: 20.161 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059133.D

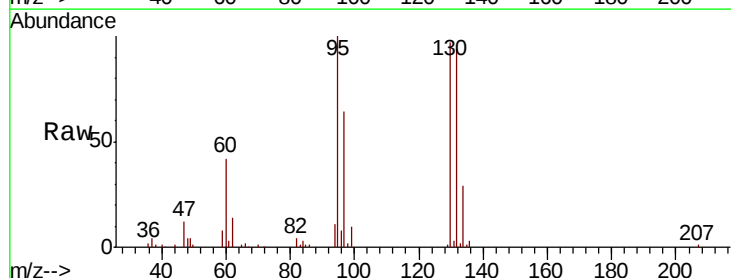
Acq: 8 Nov 2019 10:09

Tgt Ion:130 Resp: 101158

Ion Ratio Lower Upper

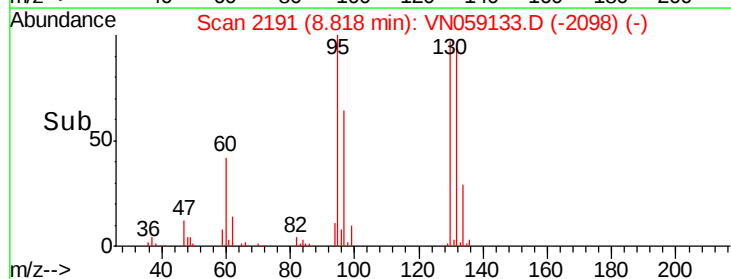
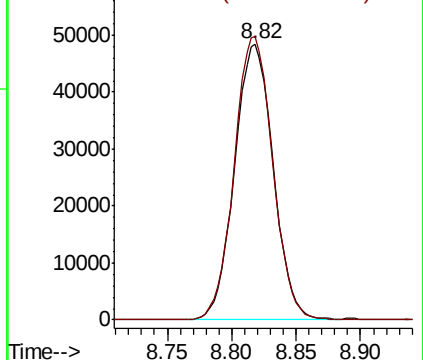
130 100

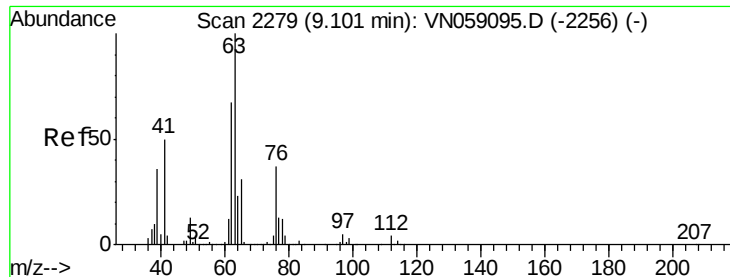
95 102.6 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059133.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059133.D (-2098) (-)

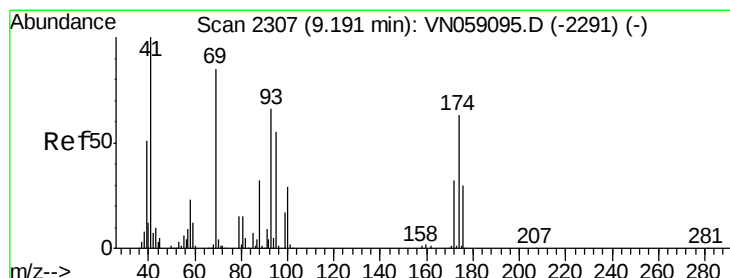
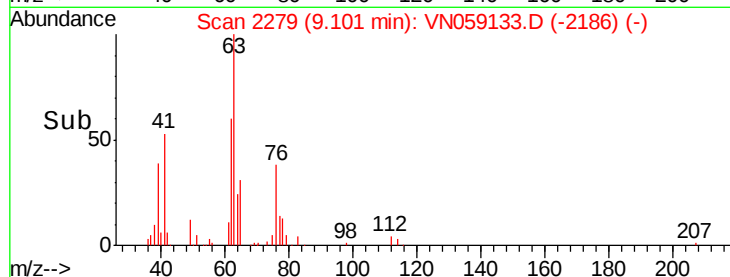
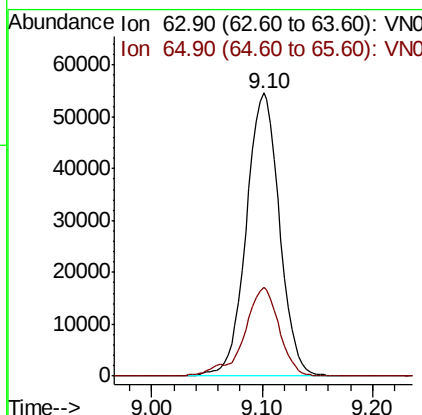
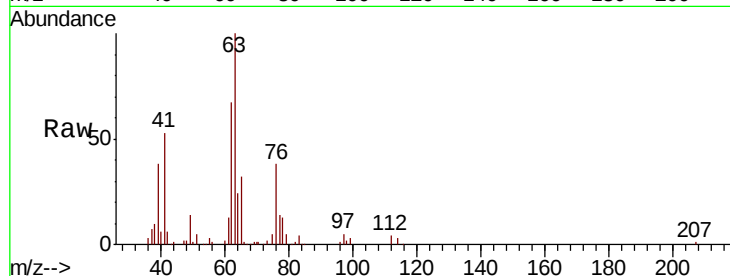




#45
 1,2-Dichloropropane
 Concen: 20.522 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

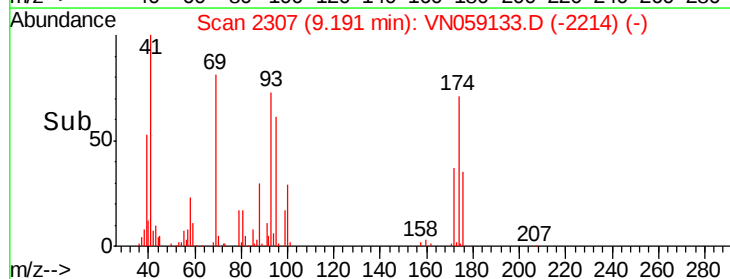
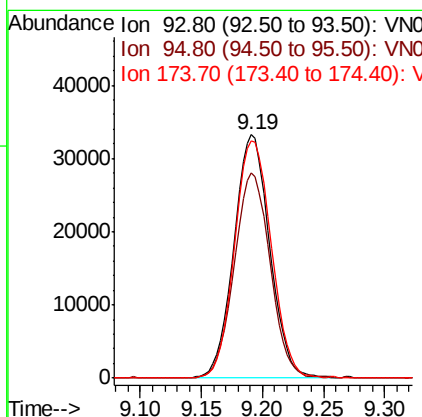
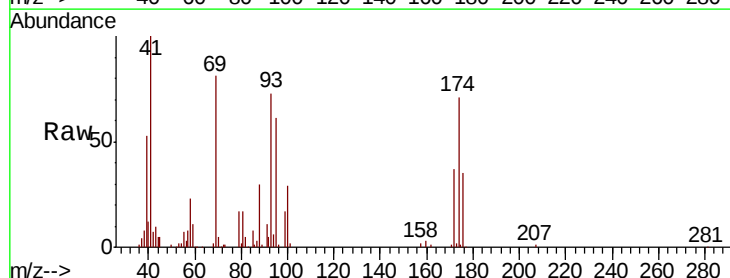
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

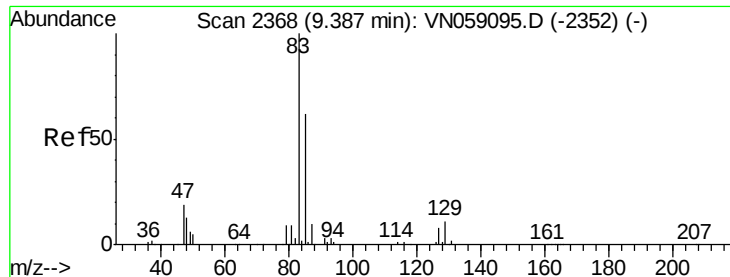
Tot Ion: 63 Resp: 113774
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.6 37.0



#46
 Dibromomethane
 Concen: 19.550 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion: 93 Resp: 67542
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.6 100.0
 174 100.2 78.2 117.2

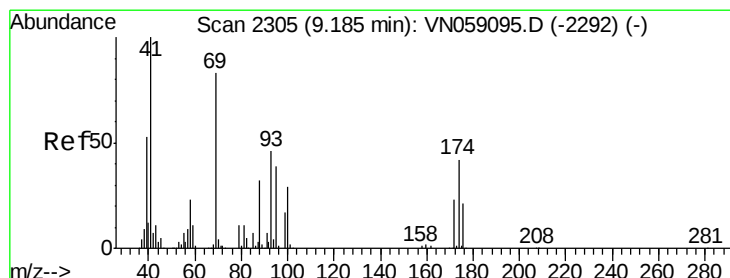
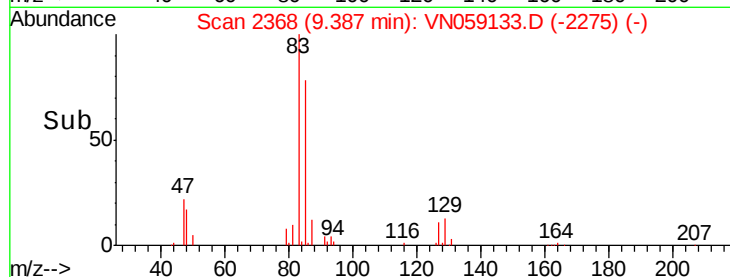
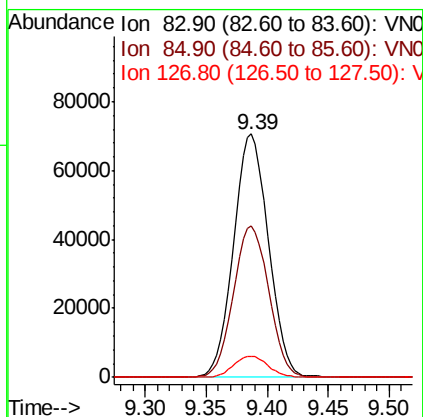
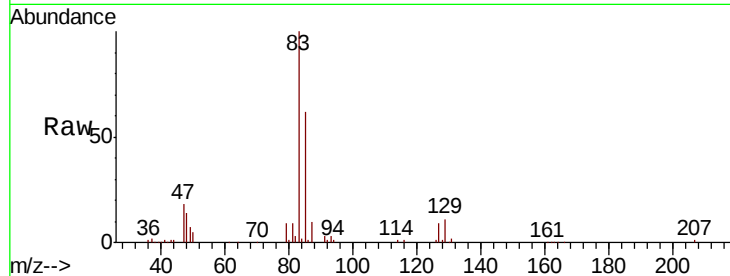




#47
 Bromodichloromethane
 Concen: 20.289 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

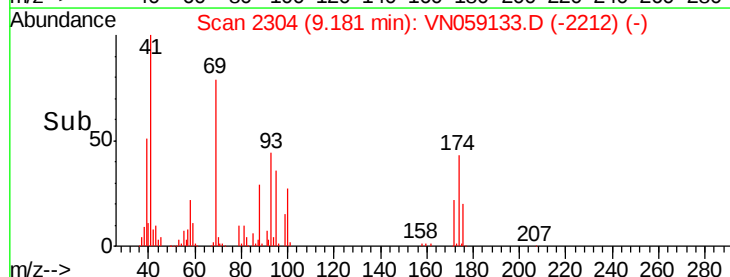
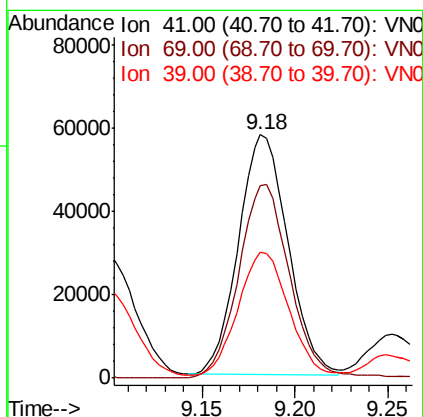
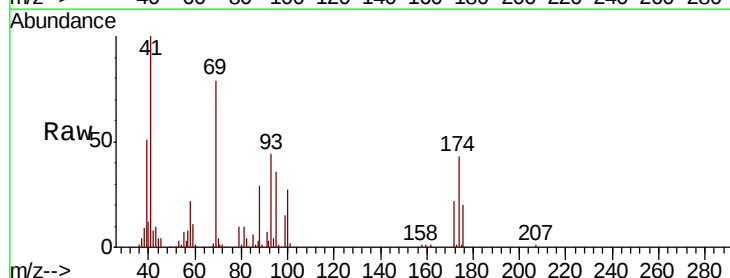
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Tot Ion: 83 Resp: 139962
 Ion Ratio Lower Upper
 83 100
 85 62.0 49.7 74.5
 127 8.8 6.4 9.6



#48
 Methyl methacrylate
 Concen: 19.876 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion: 41 Resp: 106874
 Ion Ratio Lower Upper
 41 100
 69 83.5 67.3 100.9
 39 54.5 43.3 64.9





#49

1,4-Dioxane

Concen: 358.899 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VN1108MBS01

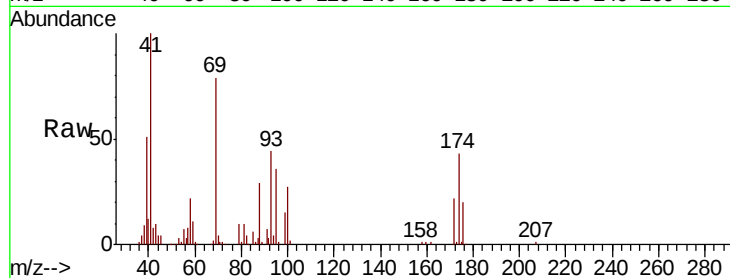
Tot Ion: 88 Resp: 34296

Ion Ratio Lower Upper

88 100

43 35.3 26.3 39.5

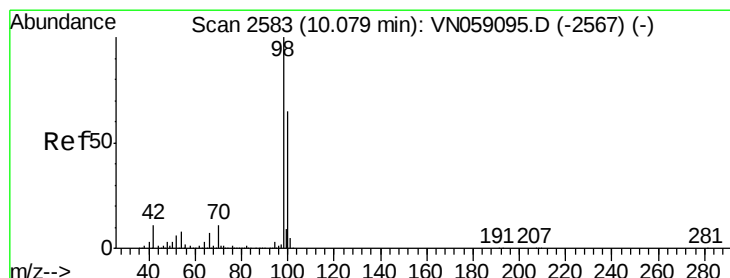
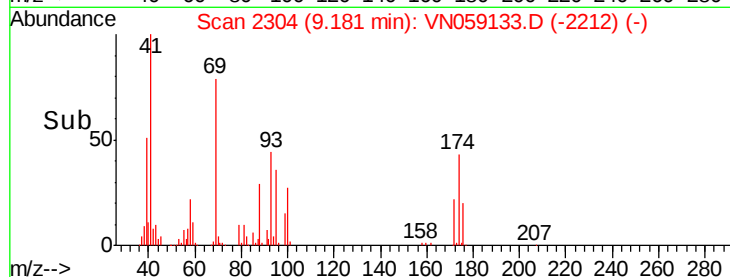
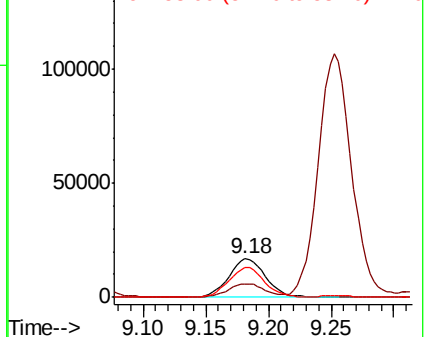
58 75.2 60.6 90.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.422 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059133.D

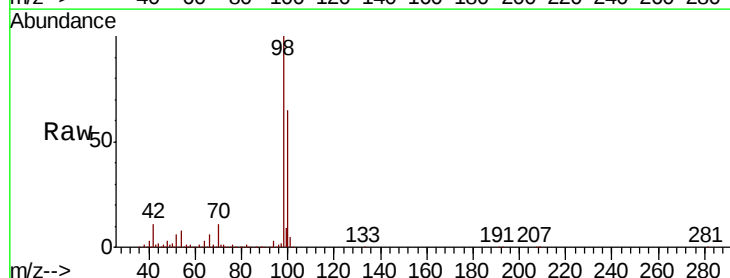
Acq: 8 Nov 2019 10:09

Tgt Ion: 98 Resp: 842892

Ion Ratio Lower Upper

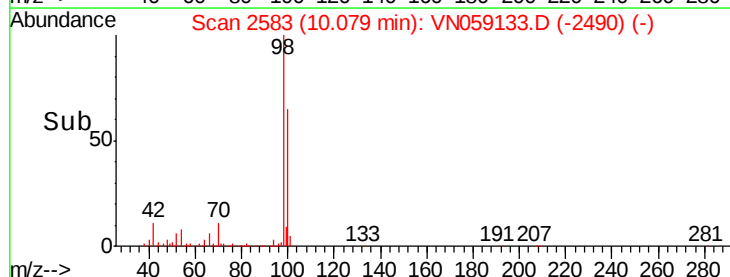
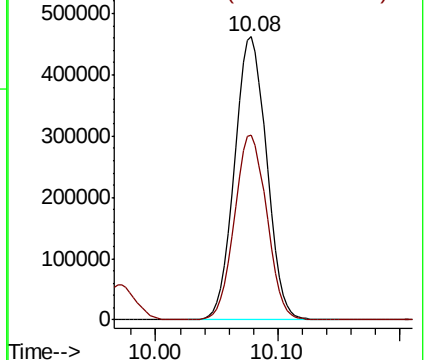
98 100

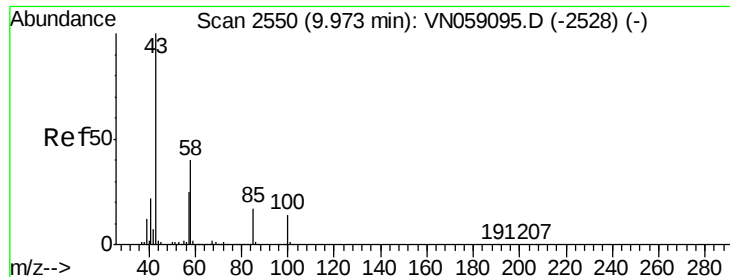
100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 109.491 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

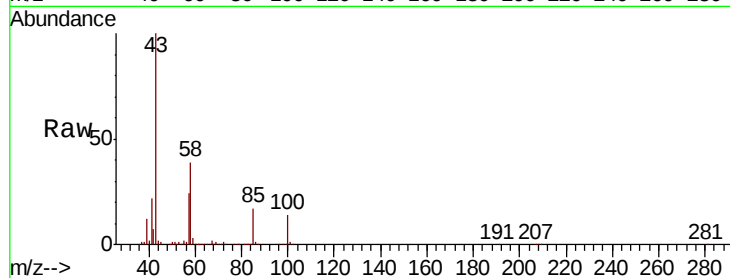
VN1108MBS01

Tot Ion: 43 Resp: 744751

Ion Ratio Lower Upper

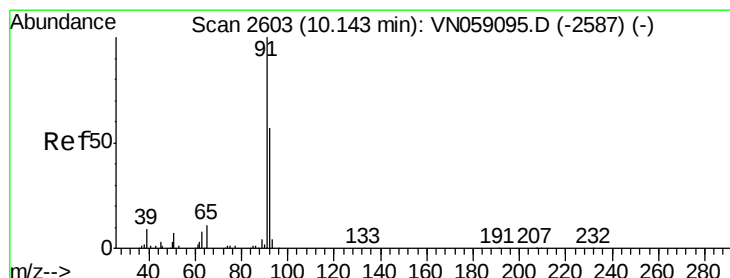
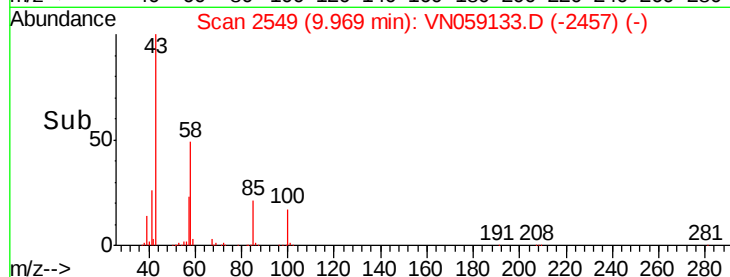
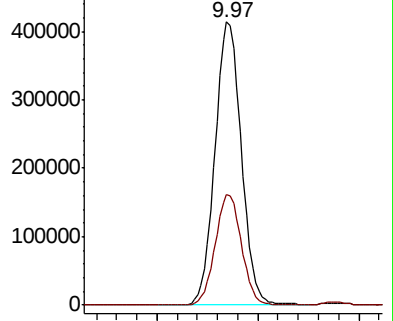
43 100

58 38.8 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)



#52

Toluene

Concen: 20.518 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059133.D

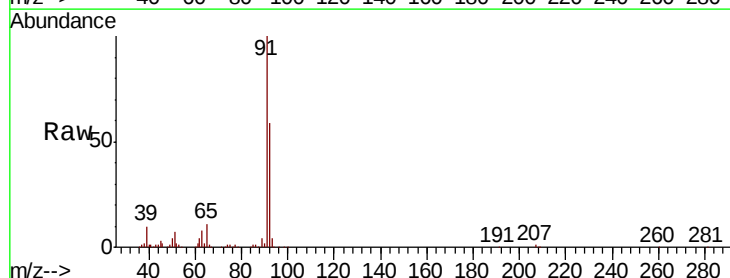
Acq: 8 Nov 2019 10:09

Tgt Ion: 92 Resp: 251010

Ion Ratio Lower Upper

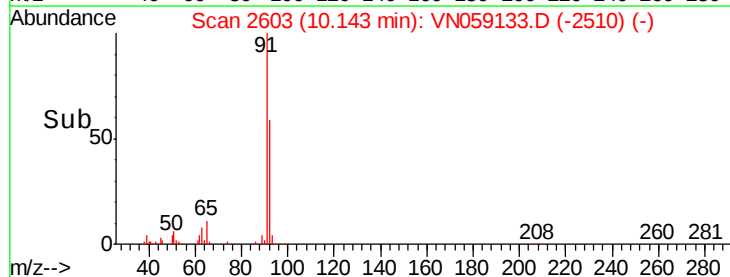
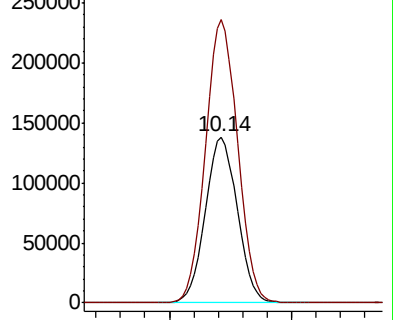
92 100

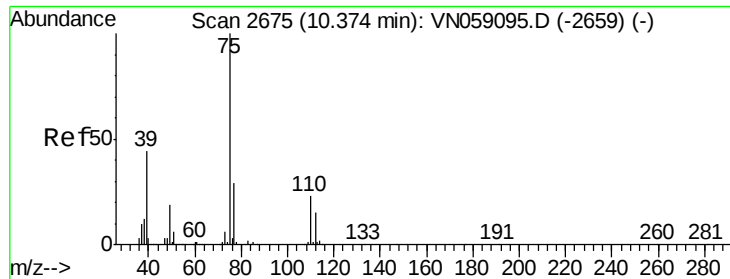
91 171.4 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)





#53

t-1,3-Dichloropropene

Concen: 19.675 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

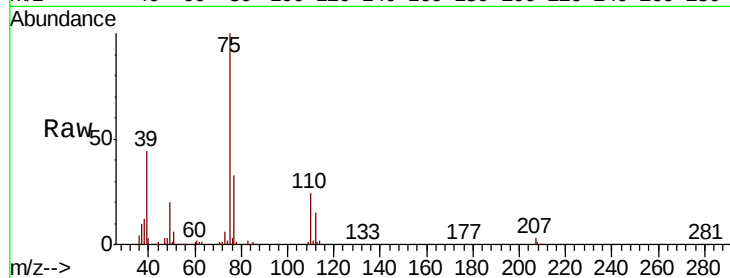
VN1108MBS01

Tot Ion: 75 Resp: 156814

Ion Ratio Lower Upper

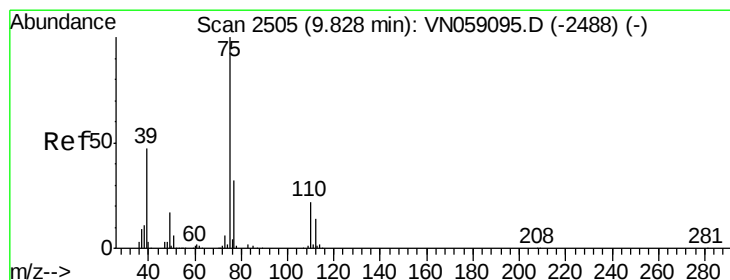
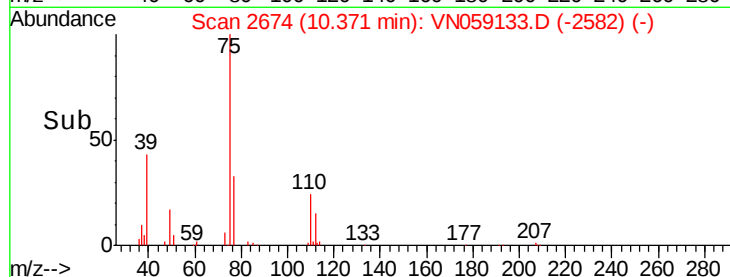
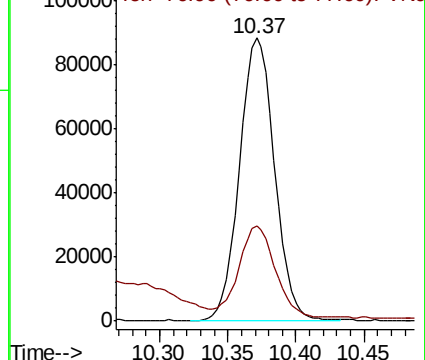
75 100

77 32.0 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.040 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

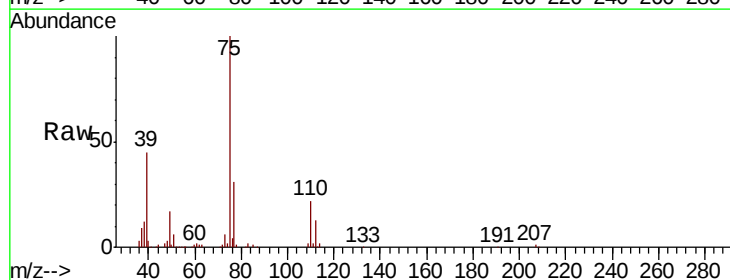
Tgt Ion: 75 Resp: 171809

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

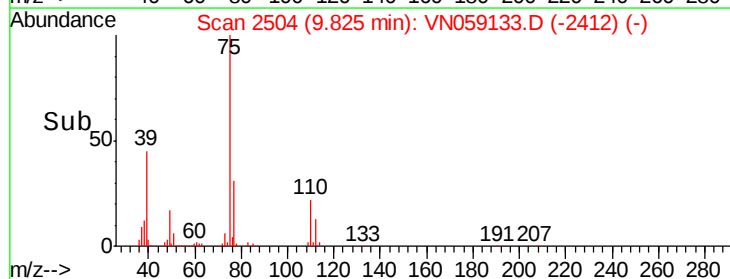
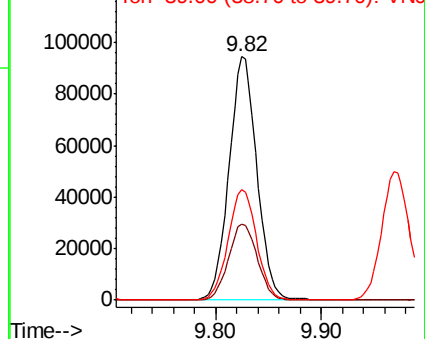
39 45.2 37.3 55.9

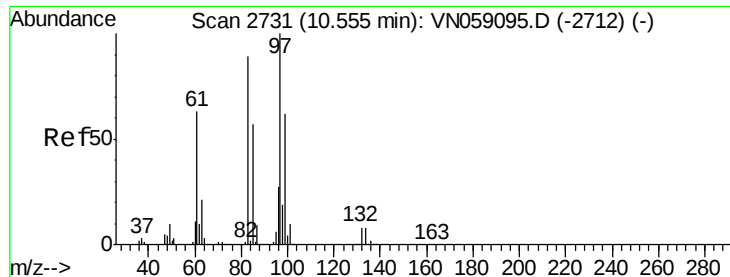


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.248 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 97 Resp: 100251

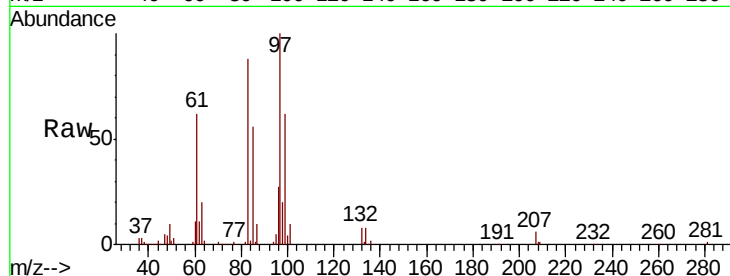
Ion Ratio Lower Upper

97 100

83 88.2 71.0 106.4

85 56.2 45.8 68.8

99 62.0 49.4 74.0

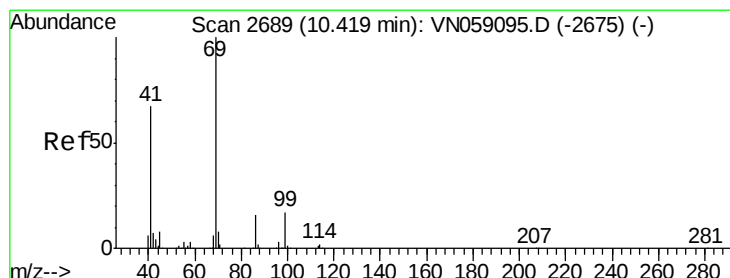
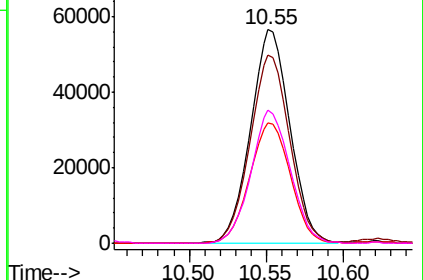
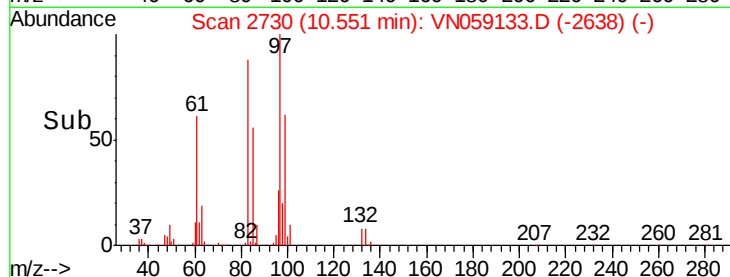


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.108 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

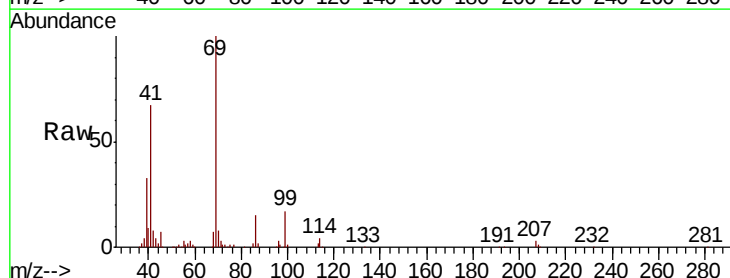
Tgt Ion: 69 Resp: 147862

Ion Ratio Lower Upper

69 100

41 66.4 53.6 80.4

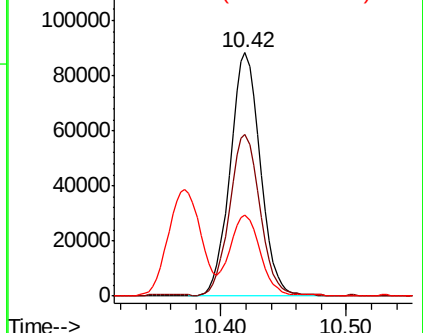
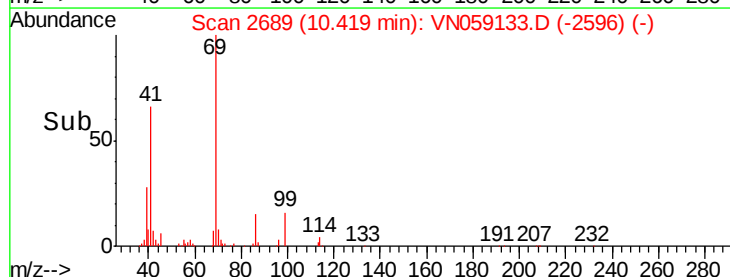
39 33.7 26.2 39.4

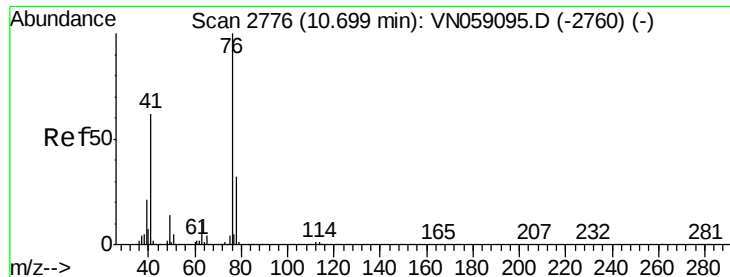


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.574 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

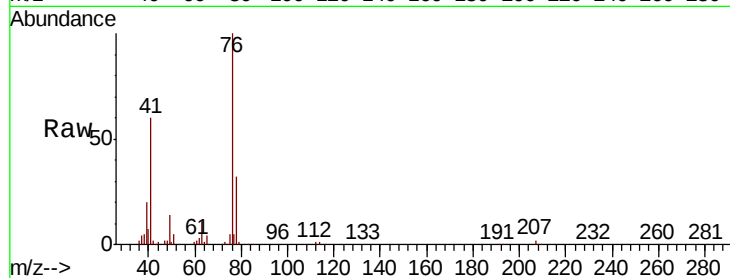
VN1108MBS01

Tot Ion: 76 Resp: 175322

Ion Ratio Lower Upper

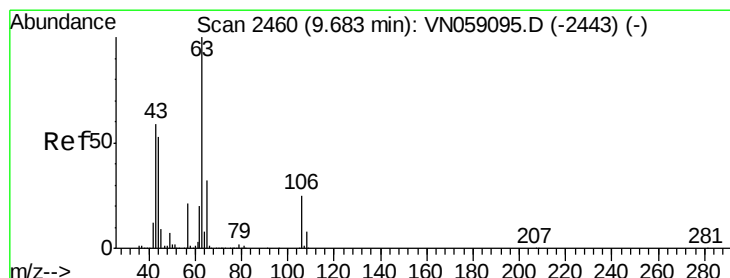
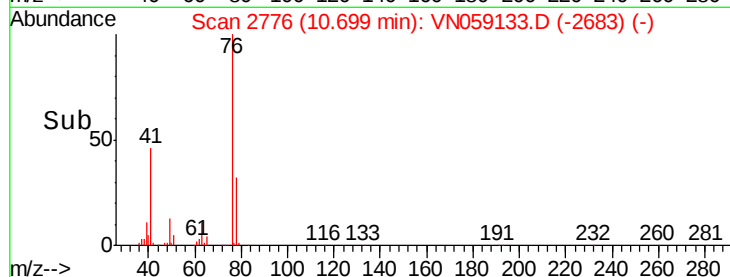
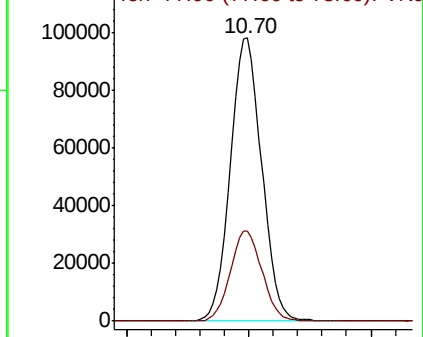
76 100

78 32.2 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: 103.673 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059133.D

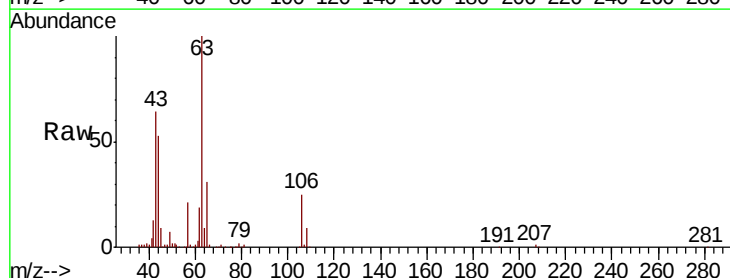
Acq: 8 Nov 2019 10:09

Tgt Ion: 63 Resp: 285664

Ion Ratio Lower Upper

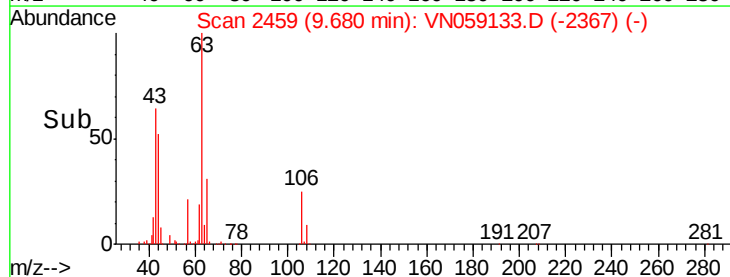
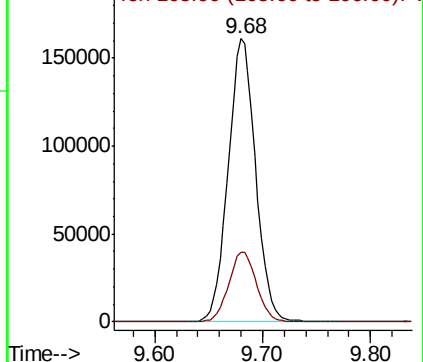
63 100

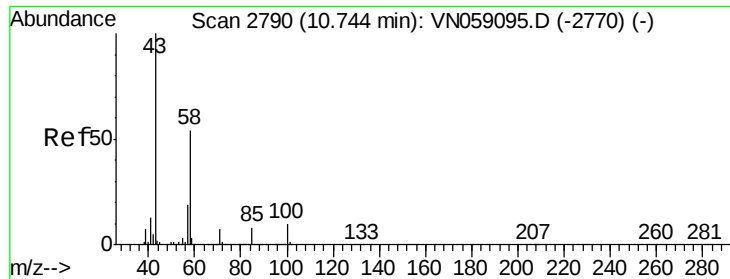
106 25.0 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

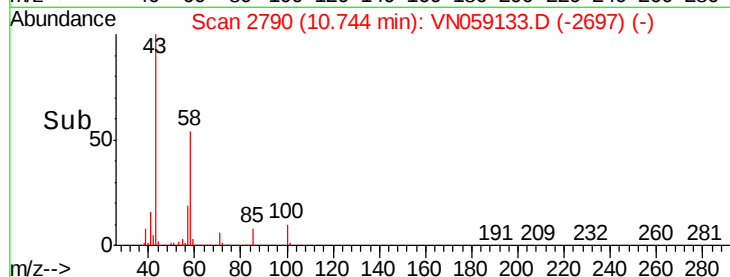
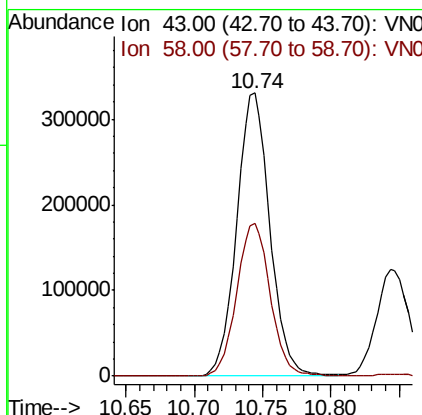
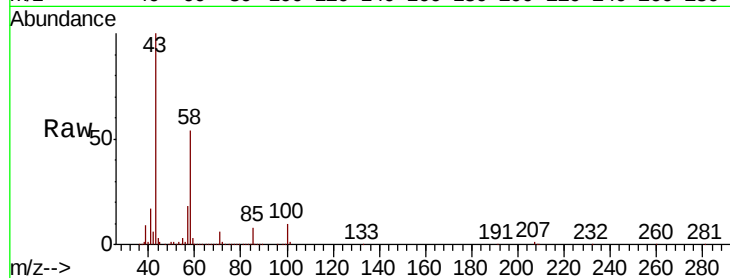




#59
2-Hexanone
Concen: 106.428 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

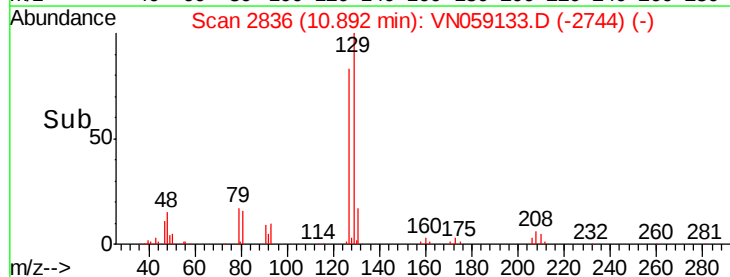
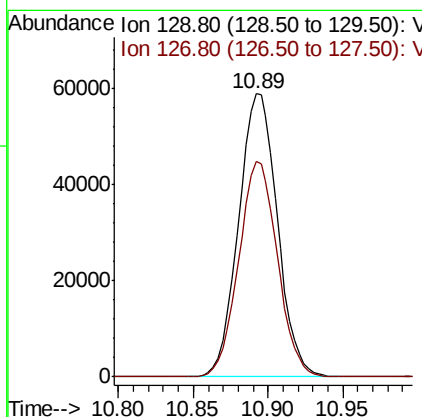
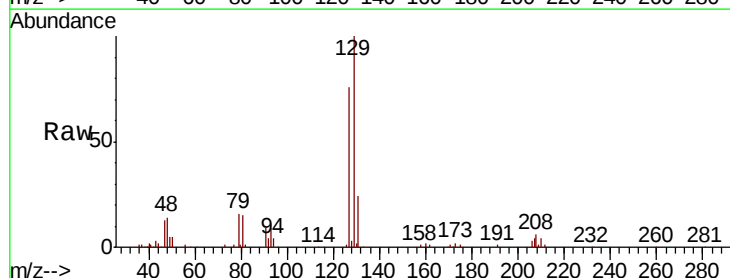
Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

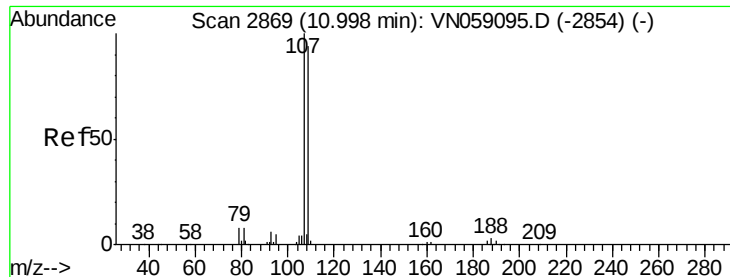
Tot Ion: 43 Resp: 555643
Ion Ratio Lower Upper
43 100
58 54.8 27.3 81.8



#60
Dibromochloromethane
Concen: 20.264 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion: 129 Resp: 106080
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8

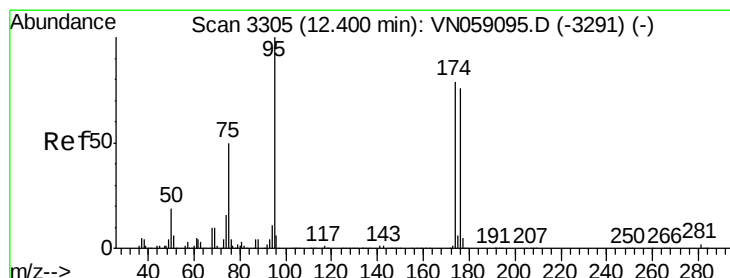
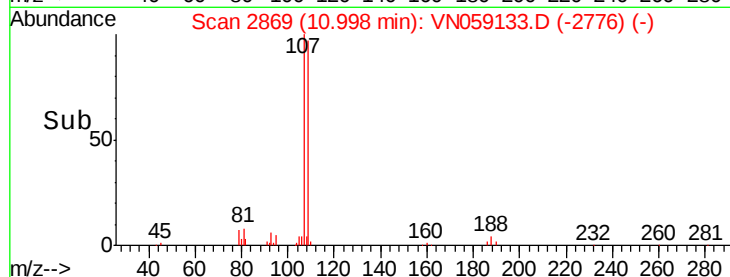
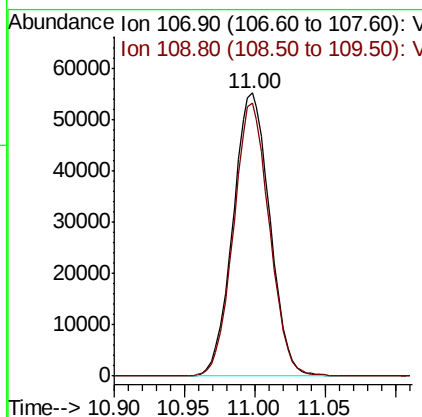
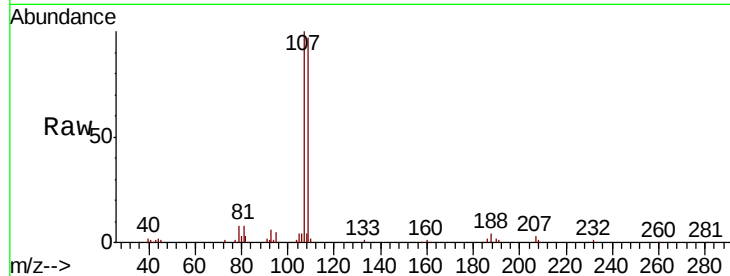




#61
 1,2-Dibromoethane
 Concen: 20.150 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

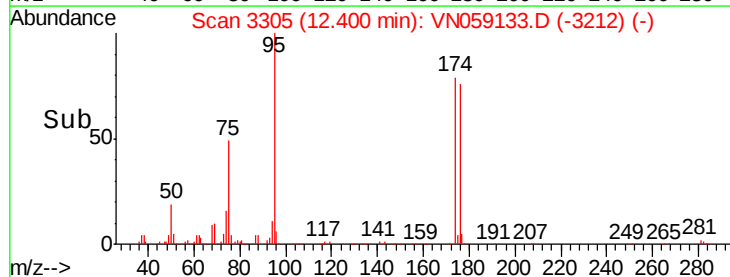
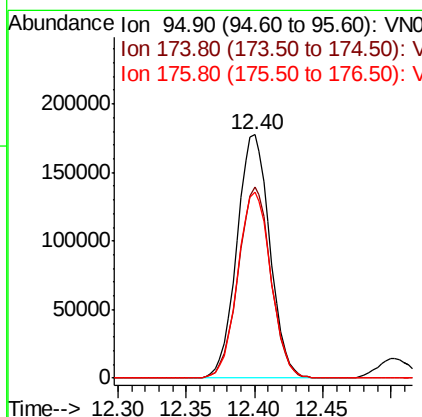
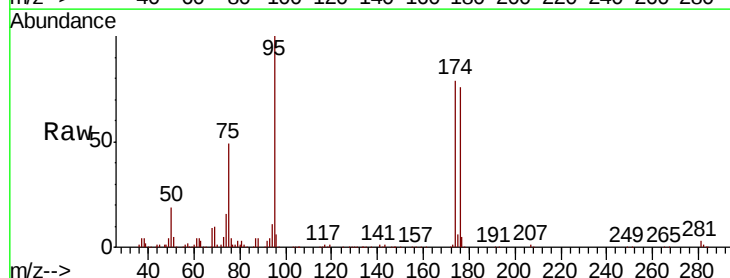
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

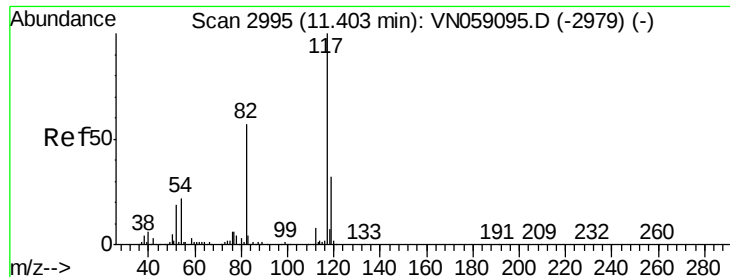
Tot Ion:107 Resp: 100993
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 48.469 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion: 95 Resp: 298055
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 158.2
 176 77.0 0.0 151.8

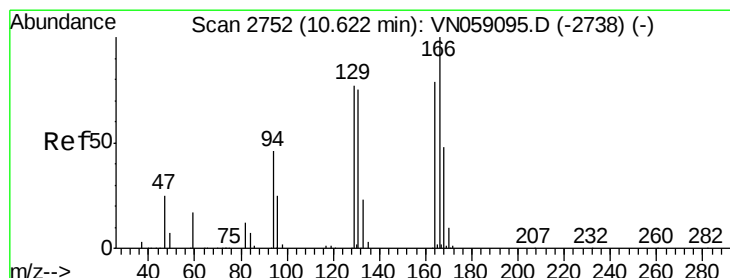
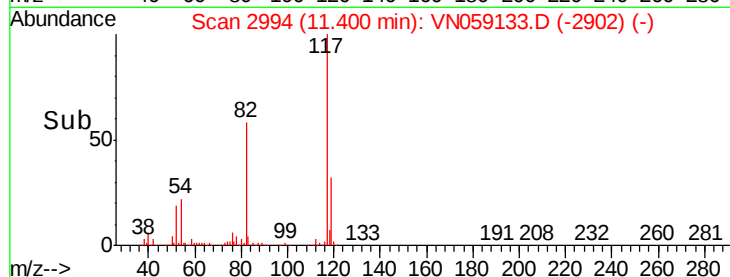
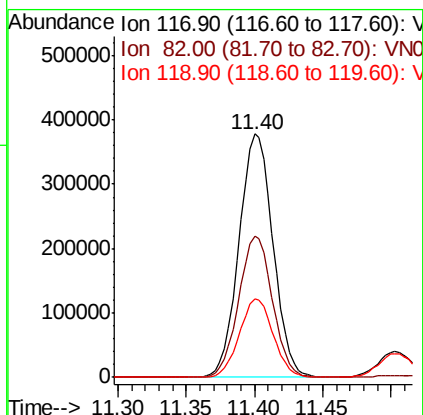
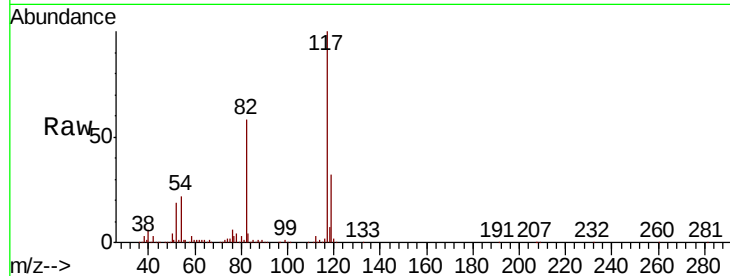




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

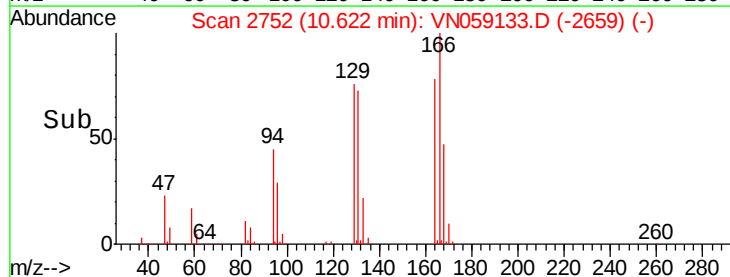
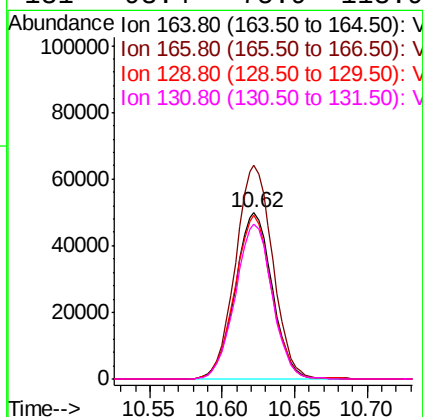
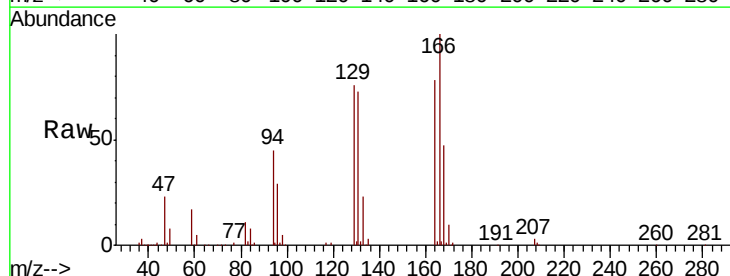
Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion:117 Resp: 654768
Ion Ratio Lower Upper
117 100
82 58.2 45.8 68.8
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 19.912 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion:164 Resp: 88655
Ion Ratio Lower Upper
164 100
166 128.6 101.5 152.3
129 98.3 78.3 117.5
131 93.4 75.9 113.9





#65

Chlorobenzene

Concen: 20.272 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

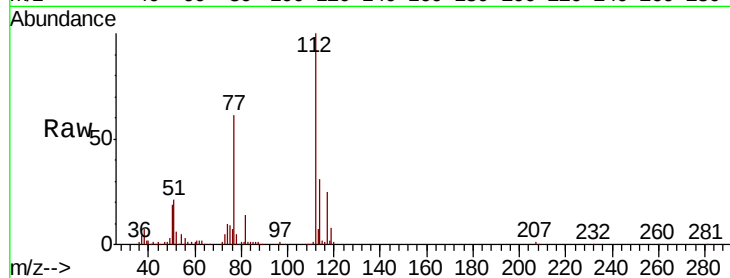
VN1108MBS01

Tot Ion:112 Resp: 258748

Ion Ratio Lower Upper

112 100

114 31.4 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

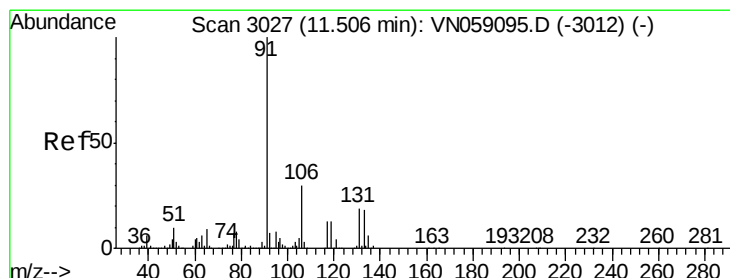
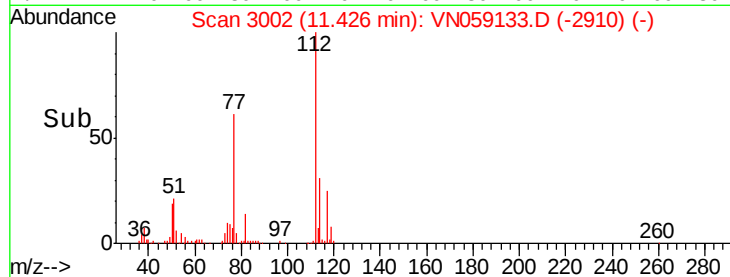
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.802 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

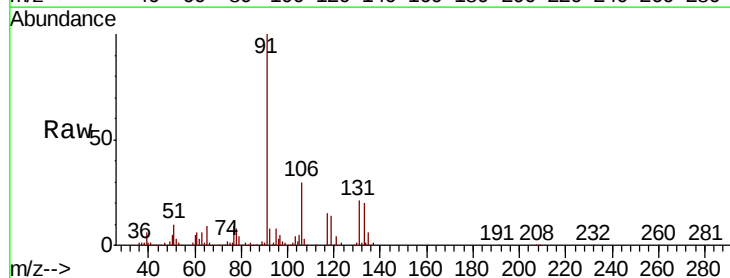
Tgt Ion:131 Resp: 99603

Ion Ratio Lower Upper

131 100

133 94.6 47.4 142.3

119 65.9 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

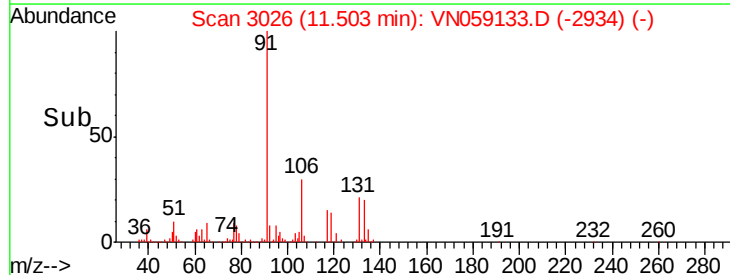
60000

40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 20.587 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

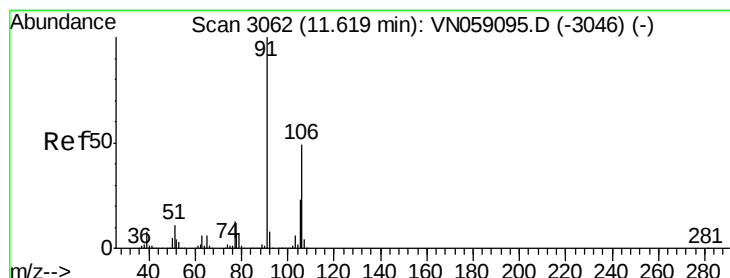
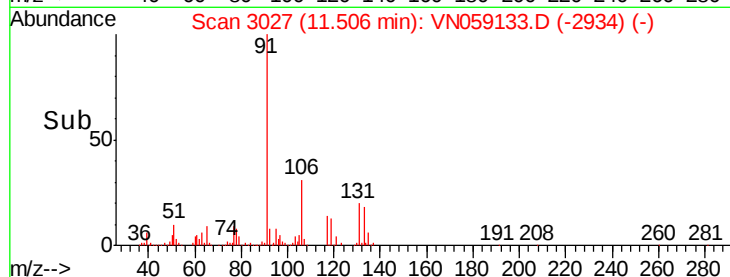
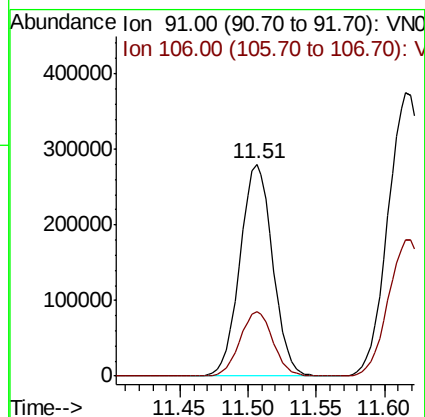
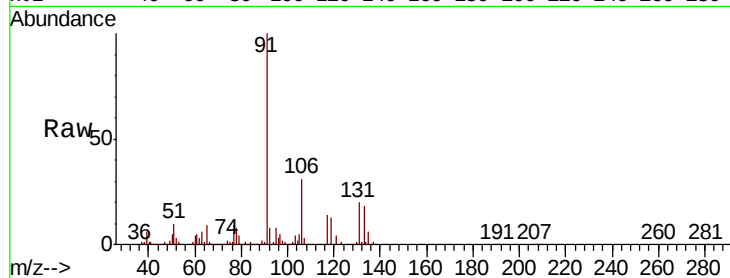
VN1108MBS01

Tot Ion: 91 Resp: 466206

Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1



#68

m/p-Xylenes

Concen: 40.997 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059133.D

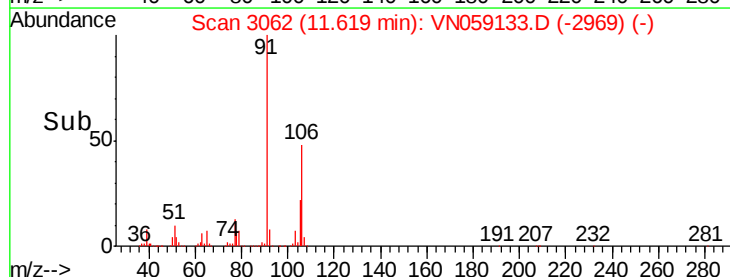
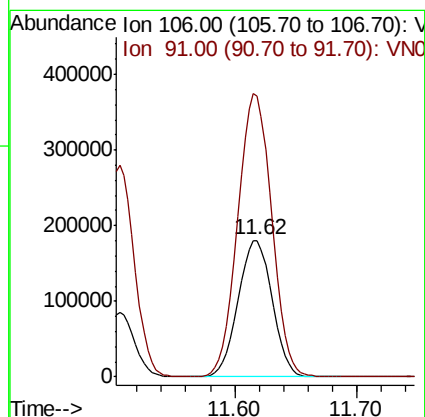
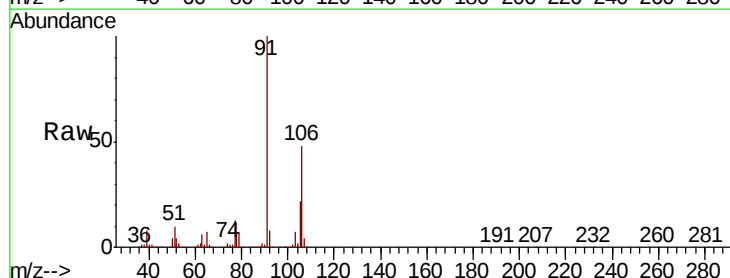
Acq: 8 Nov 2019 10:09

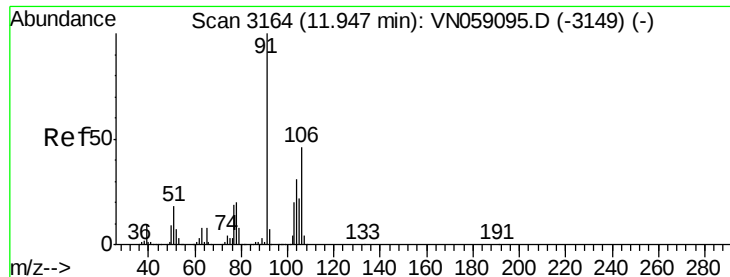
Tgt Ion: 106 Resp: 347777

Ion Ratio Lower Upper

106 100

91 206.5 164.7 247.1

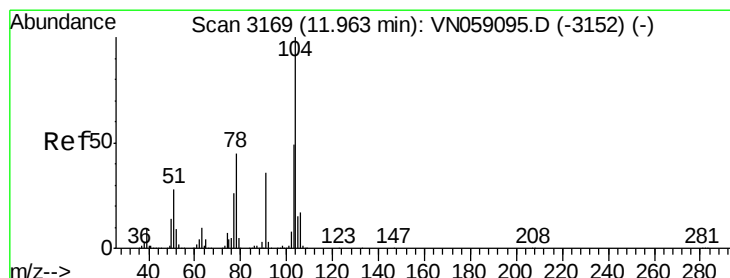
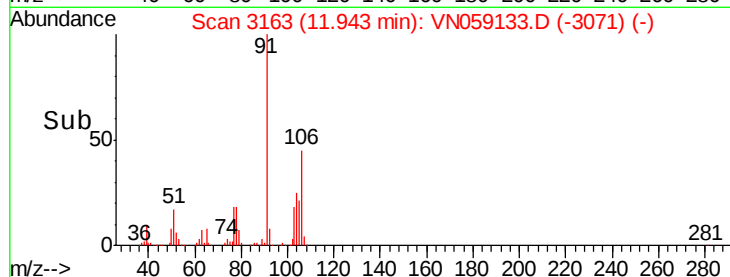
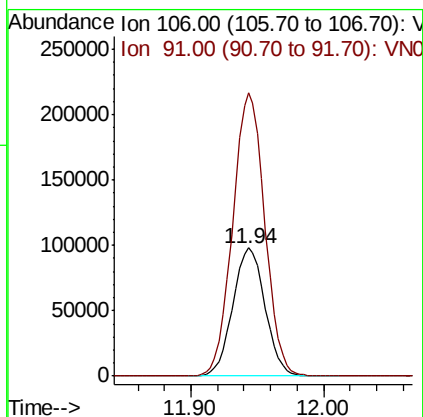
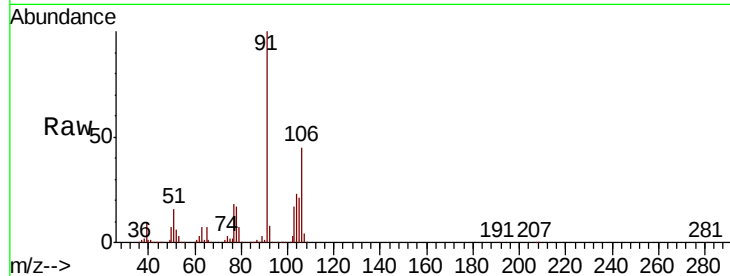




#69
o-Xylene
Concen: 20.229 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

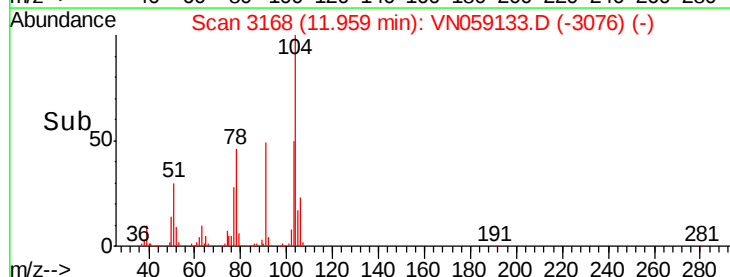
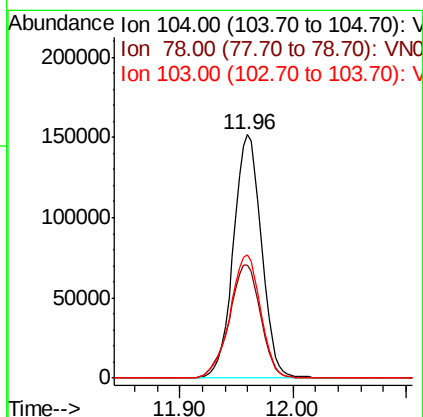
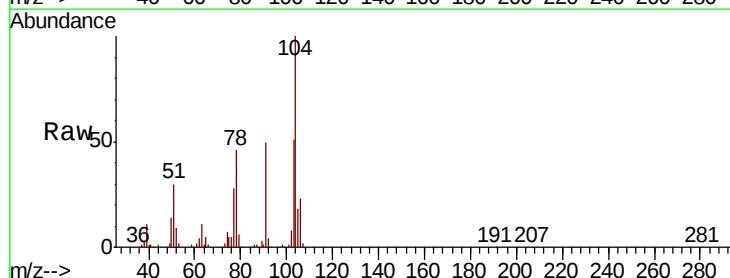
Instrument :
MSVOA_N
ClientSampled :
VN1108MBS01

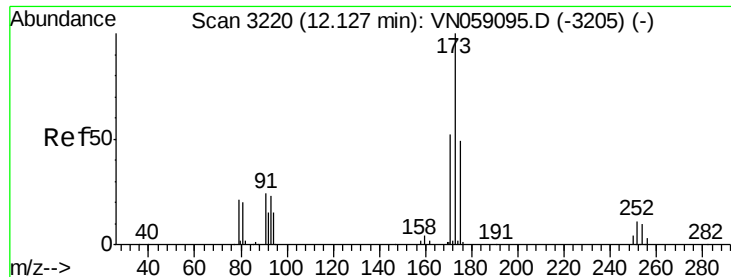
Tot Ion:106 Resp: 165839
Ion Ratio Lower Upper
106 100
91 218.8 110.1 330.3



#70
Styrene
Concen: 20.408 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion:104 Resp: 263122
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 55.1 43.8 65.6





#71

Bromoform

Concen: 20.314 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

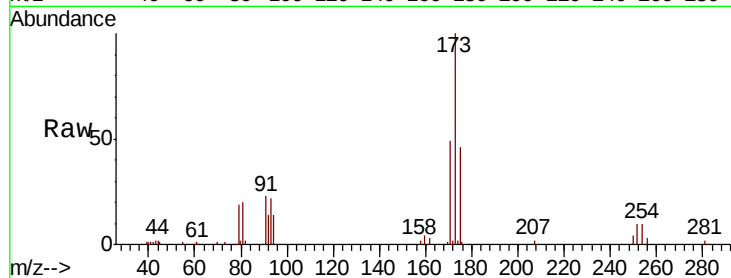
Tot Ion:173 Resp: 75655

Ion Ratio Lower Upper

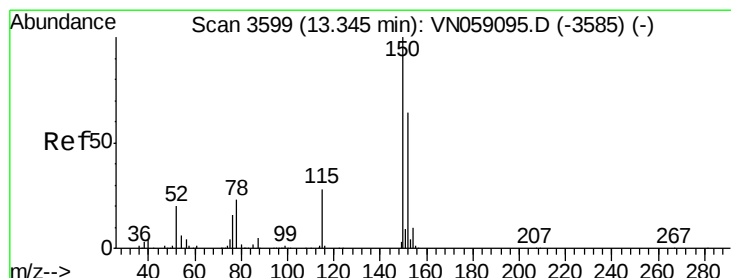
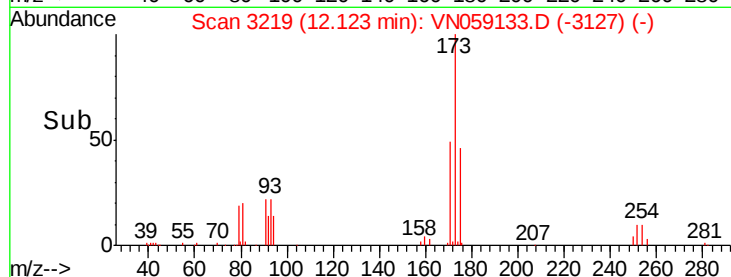
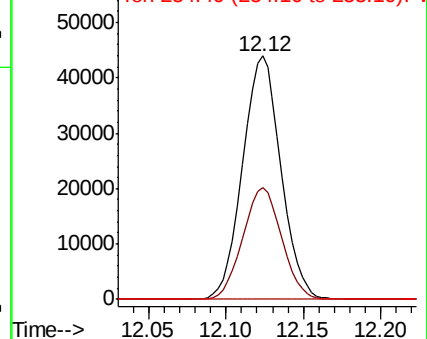
173 100

175 46.3 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

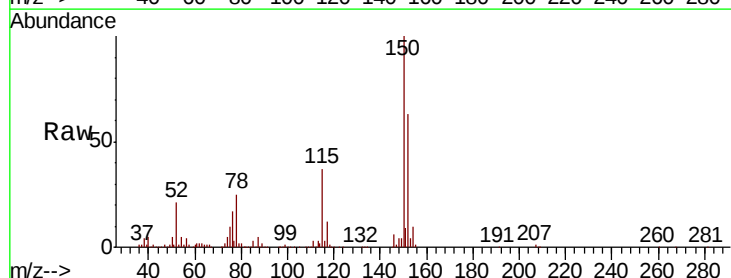
Tgt Ion:152 Resp: 296353

Ion Ratio Lower Upper

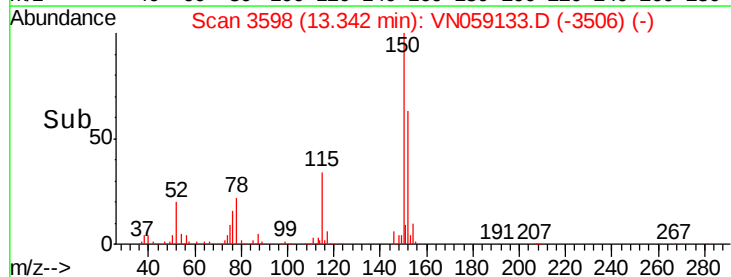
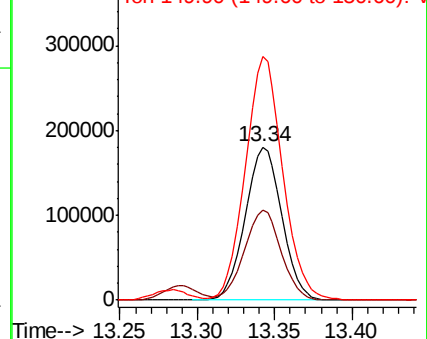
152 100

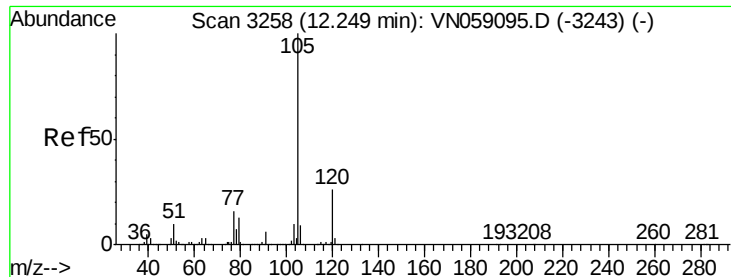
115 59.2 29.4 88.2

150 162.3 0.0 345.8



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: 20.521 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

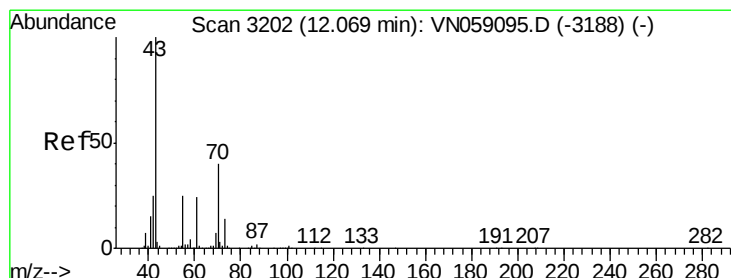
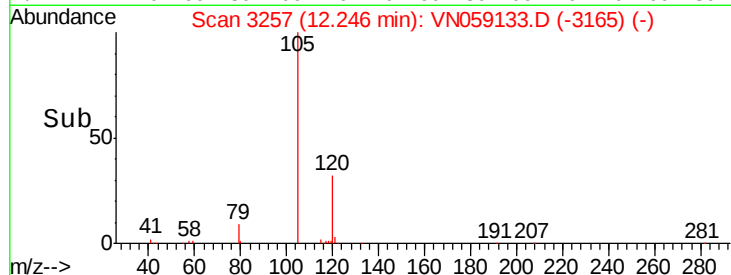
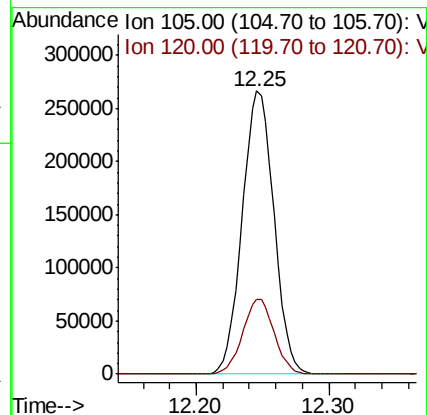
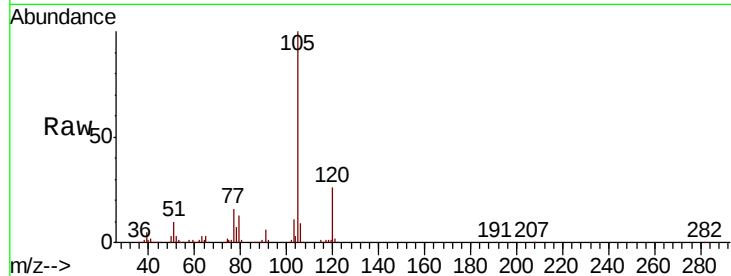
VN1108MBS01

Tot Ion:105 Resp: 442365

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3



#74

N-ethyl acetate

Concen: 19.792 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion: 43 Resp: 180790

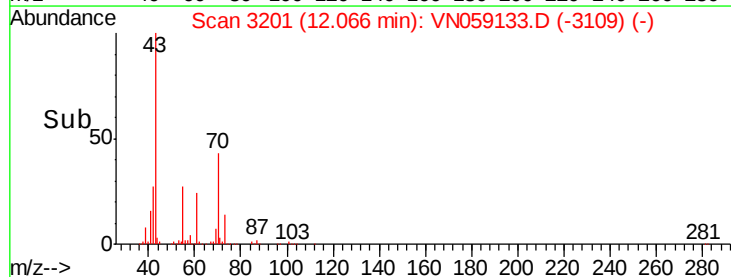
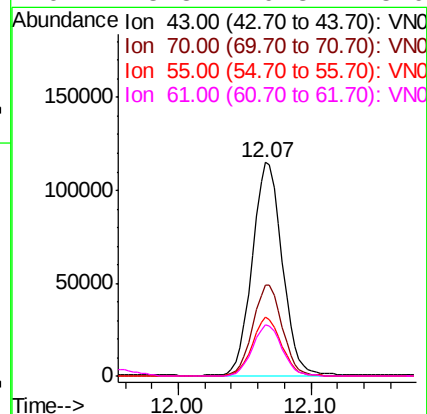
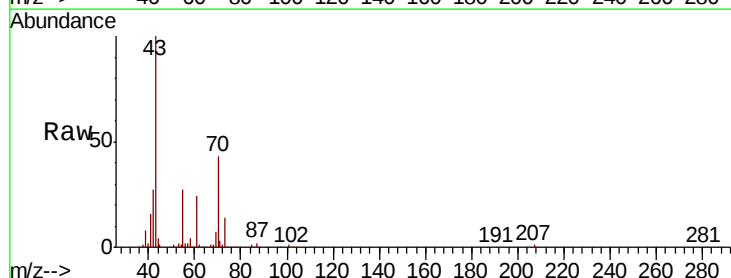
Ion Ratio Lower Upper

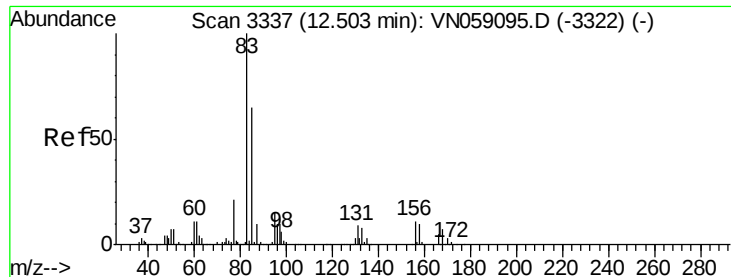
43 100

70 42.2 32.2 48.4

55 26.9 20.4 30.6

61 23.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.494 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

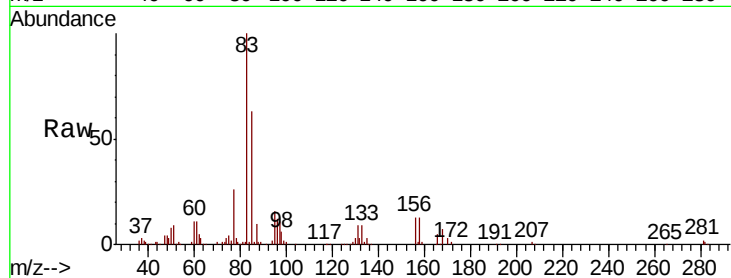
Tot Ion: 83 Resp: 150446

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

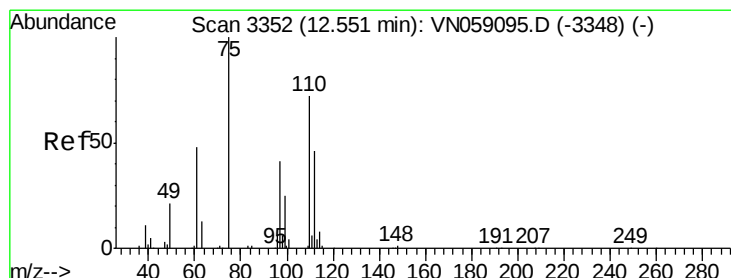
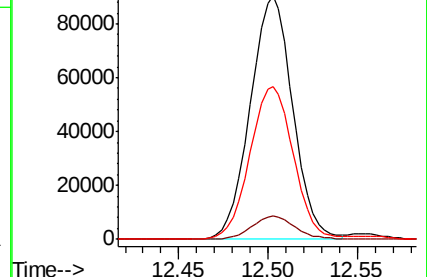
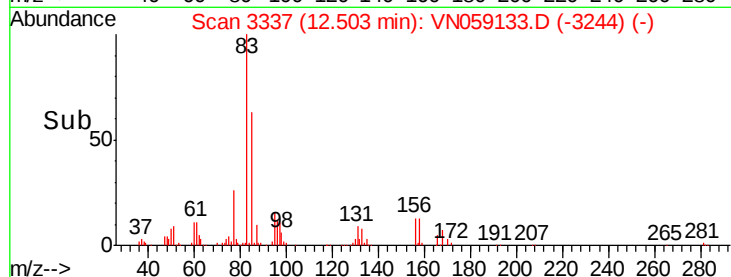
85 64.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059133.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059133.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059133.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 29.738 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059133.D

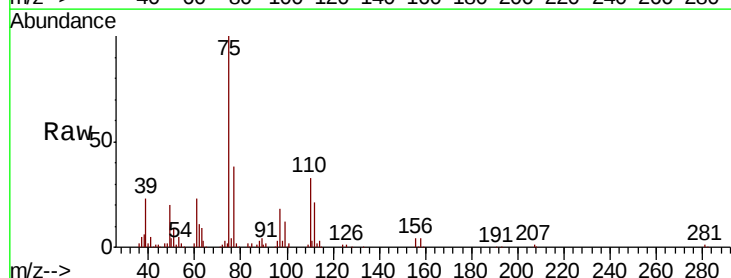
Acq: 8 Nov 2019 10:09

Tgt Ion: 75 Resp: 200641

Ion Ratio Lower Upper

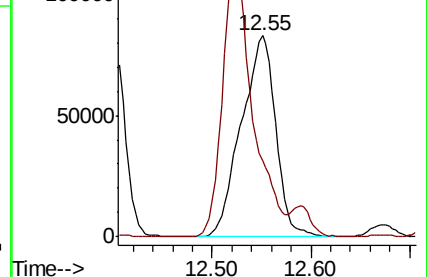
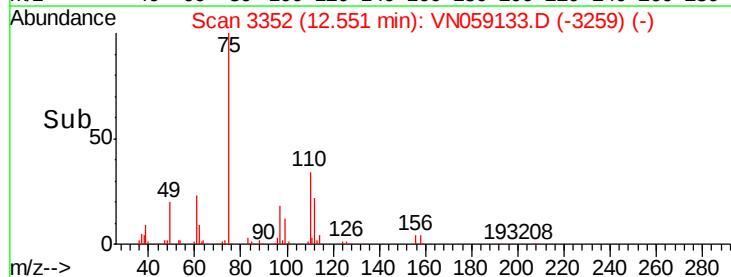
75 100

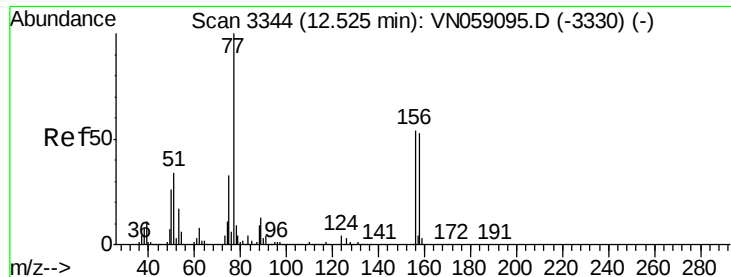
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059133.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059133.D (-3259) (-)





#77

Bromobenzene

Concen: 19.535 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

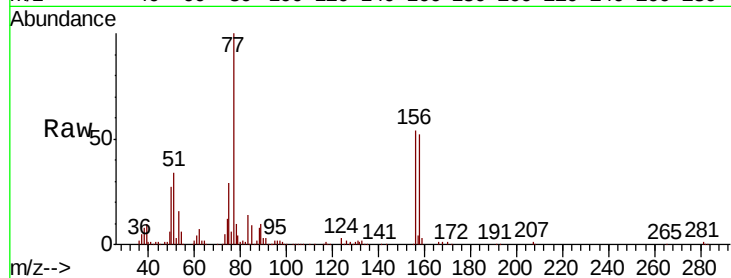
Tot Ion:156 Resp: 105799

Ion Ratio Lower Upper

156 100

77 230.5 112.8 338.3

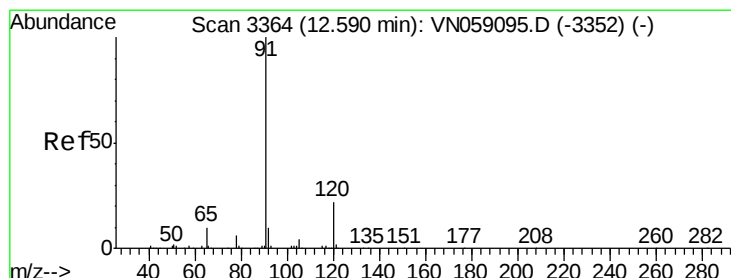
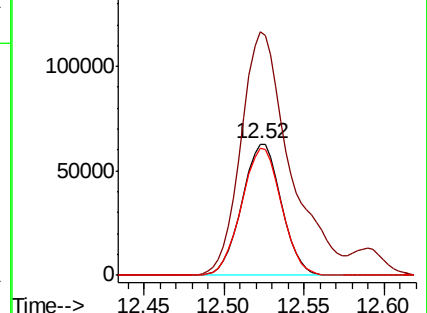
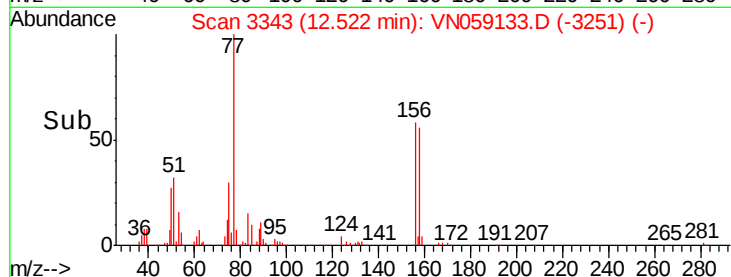
158 98.4 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.838 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059133.D

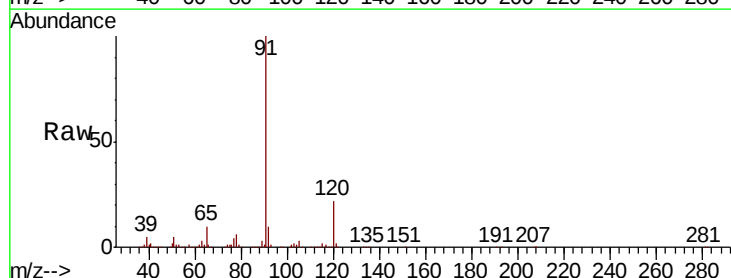
Acq: 8 Nov 2019 10:09

Tgt Ion: 91 Resp: 514343

Ion Ratio Lower Upper

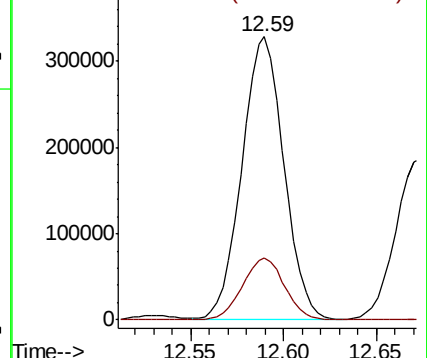
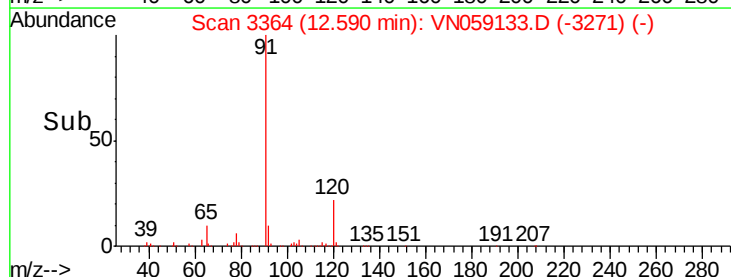
91 100

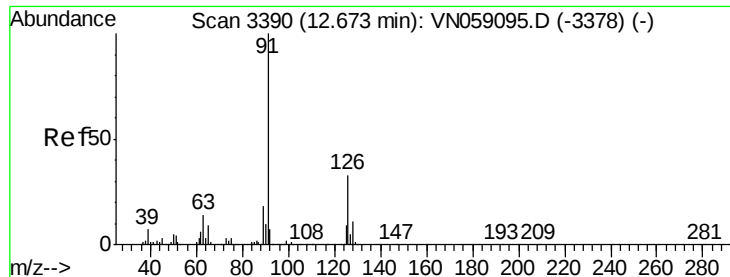
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.031 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

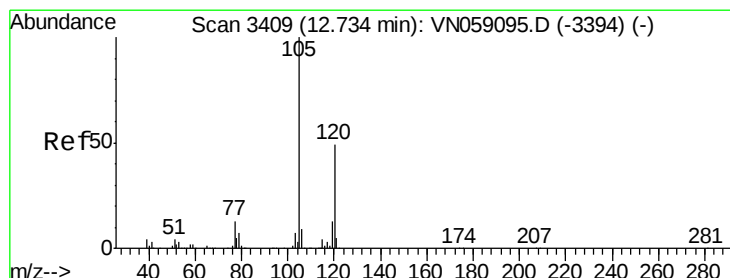
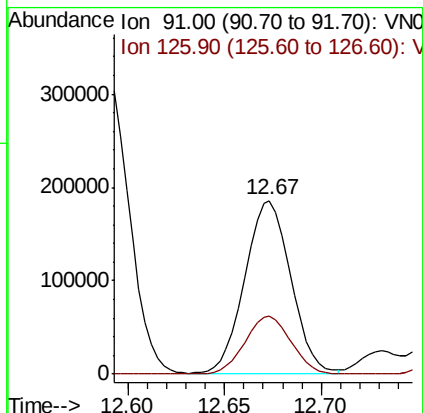
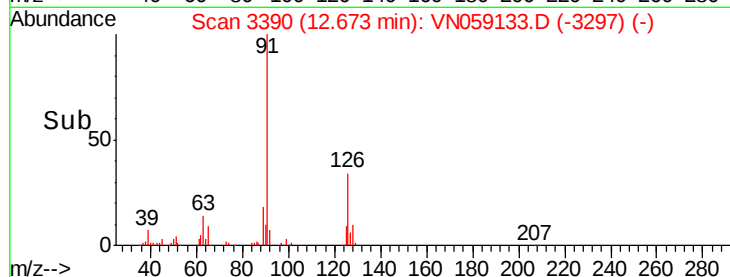
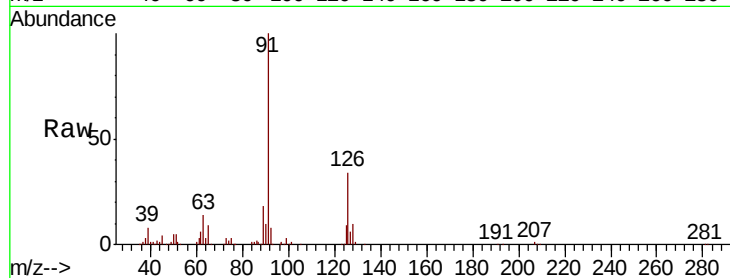
VN1108MBS01

Tot Ion: 91 Resp: 306705

Ion Ratio Lower Upper

91 100

126 33.9 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 20.597 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059133.D

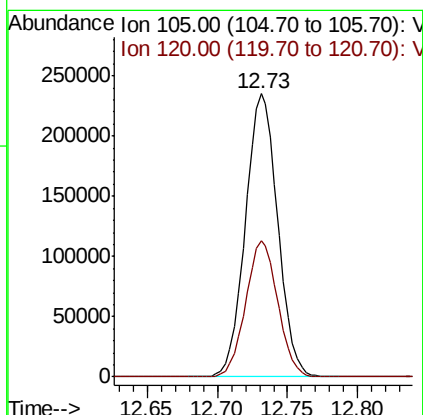
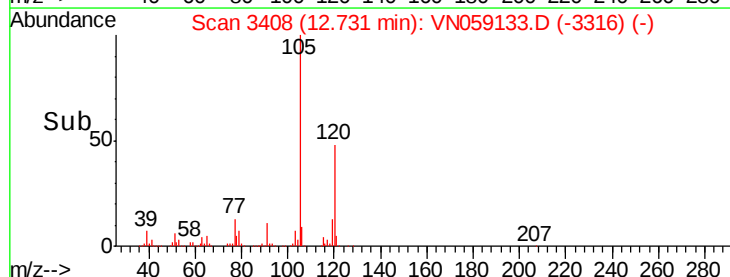
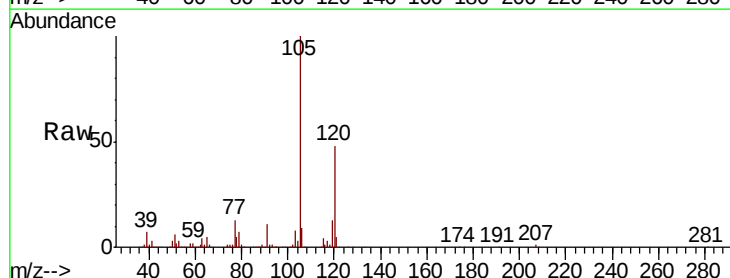
Acq: 8 Nov 2019 10:09

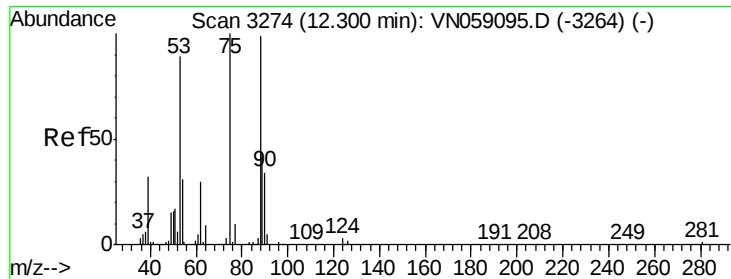
Tgt Ion: 105 Resp: 376227

Ion Ratio Lower Upper

105 100

120 47.9 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.778 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

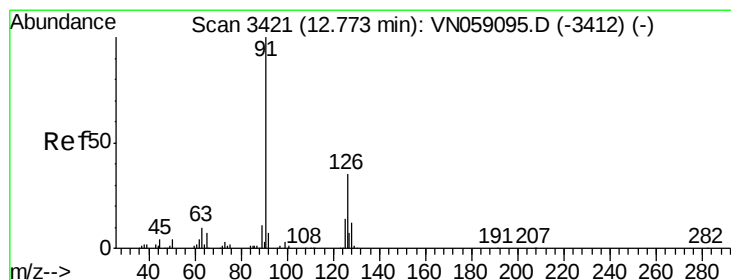
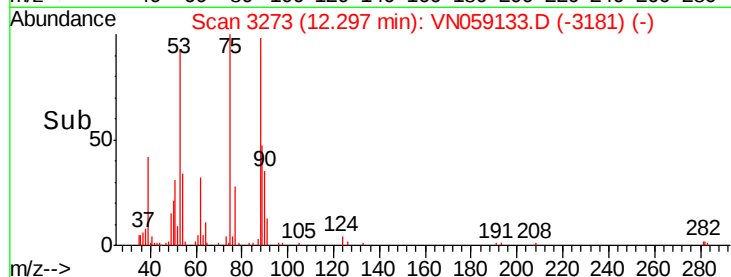
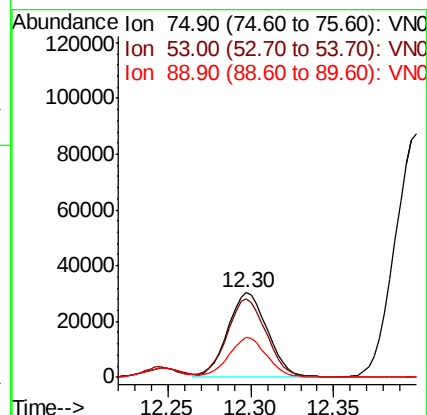
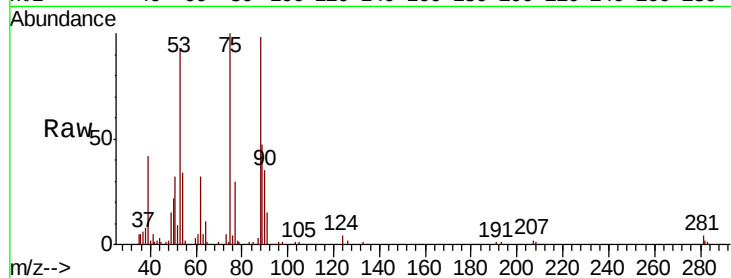
Tot Ion: 75 Resp: 50522

Ion Ratio Lower Upper

75 100

53 92.1 72.2 108.2

89 45.0 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.339 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059133.D

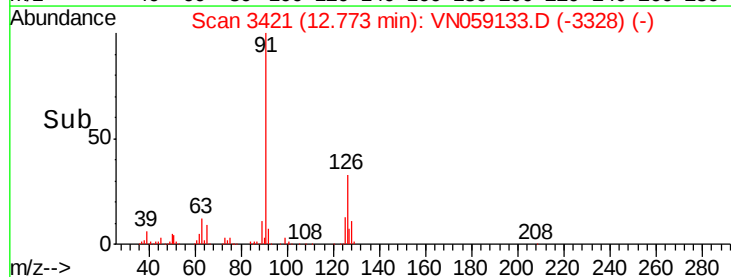
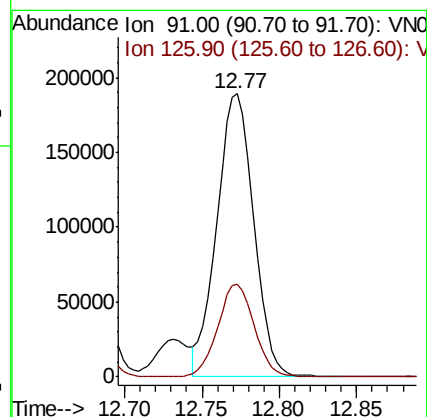
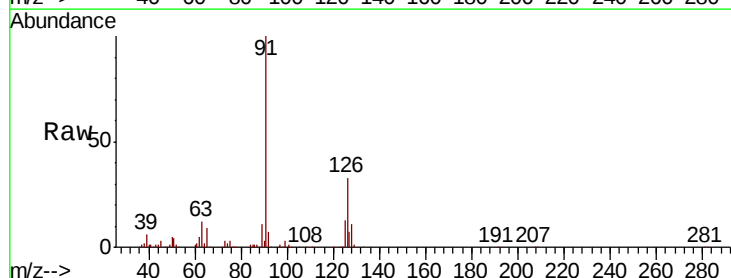
Acq: 8 Nov 2019 10:09

Tgt Ion: 91 Resp: 312349

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.2





#83

tert-Butylbenzene

Concen: 20.285 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VN1108MBS01

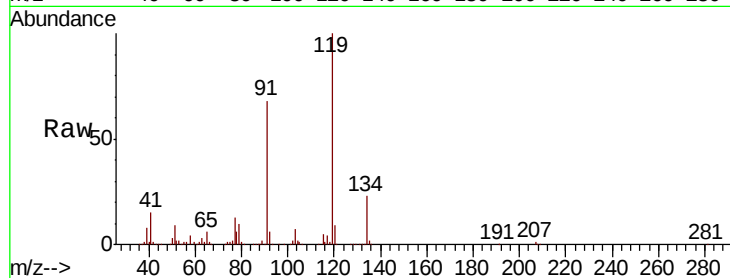
Tot Ion:119 Resp: 319989

Ion Ratio Lower Upper

119 100

91 66.1 33.2 99.6

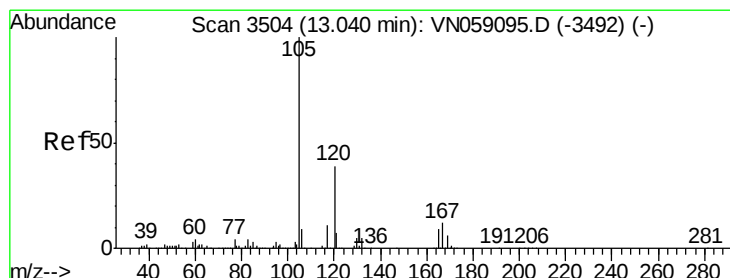
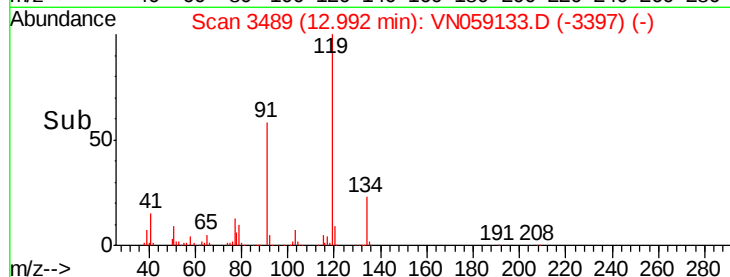
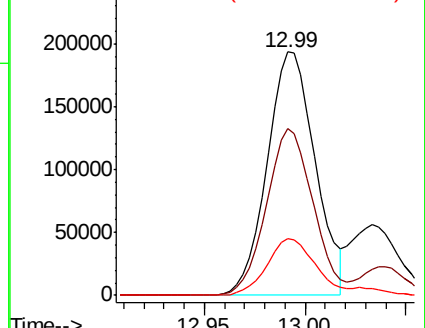
134 23.2 12.7 38.1



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: 20.909 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059133.D

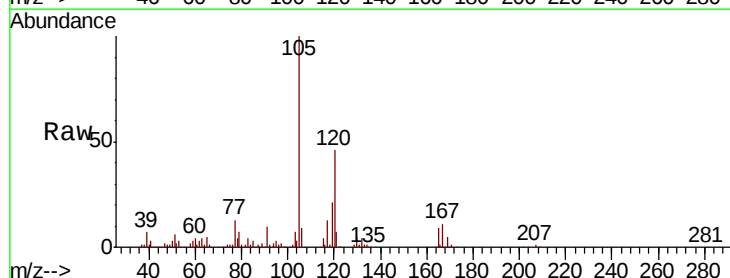
Acq: 8 Nov 2019 10:09

Tgt Ion:105 Resp: 369515

Ion Ratio Lower Upper

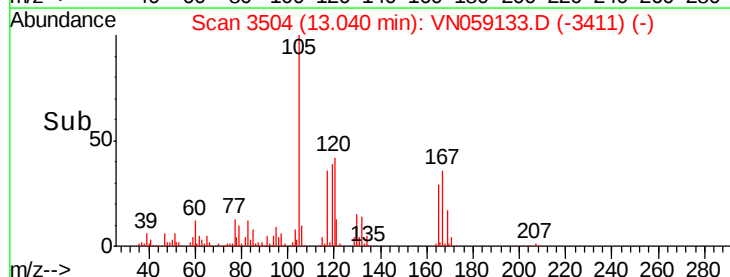
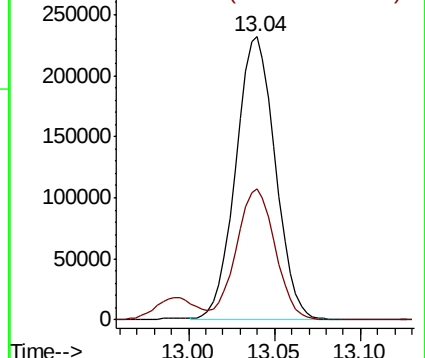
105 100

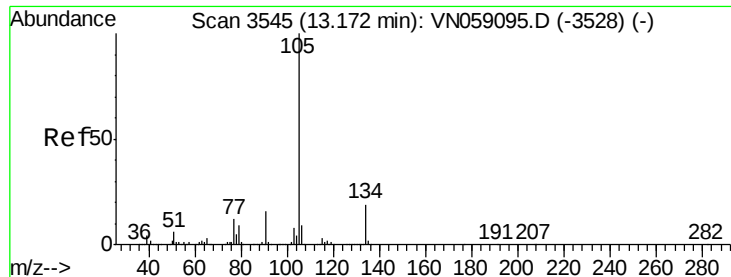
120 45.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.459 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

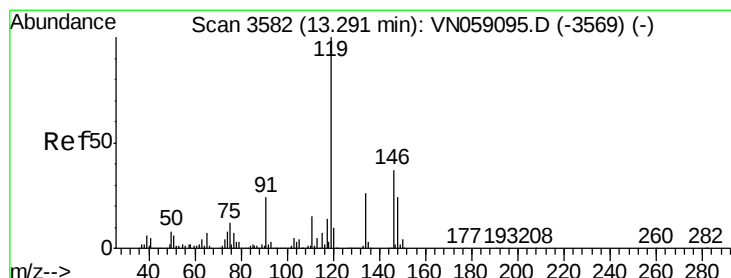
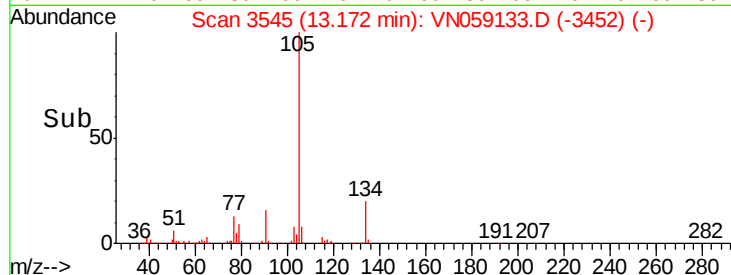
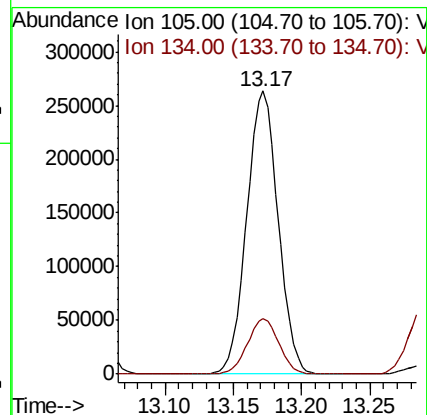
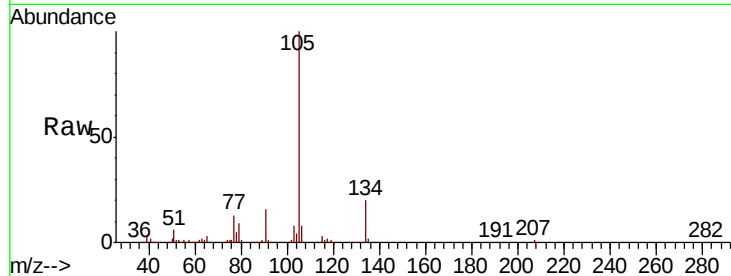
VN1108MBS01

Tot Ion:105 Resp: 419722

Ion Ratio Lower Upper

105 100

134 19.8 9.7 29.1



#86

p-Isopropyltoluene

Concen: 20.837 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

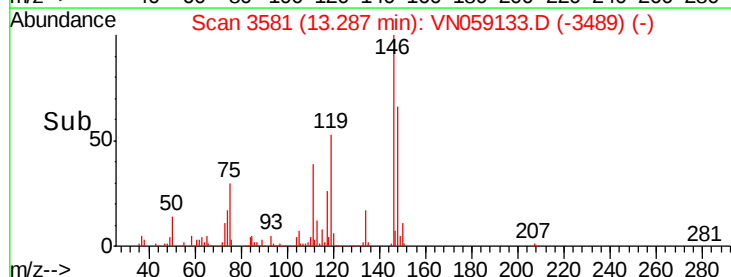
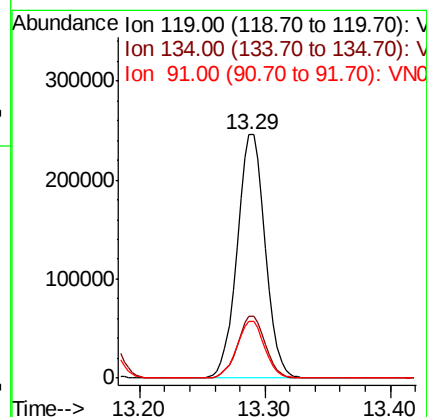
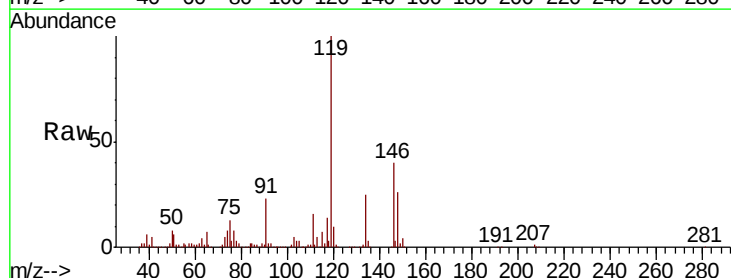
Tgt Ion:119 Resp: 377444

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 23.4 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 19.714 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

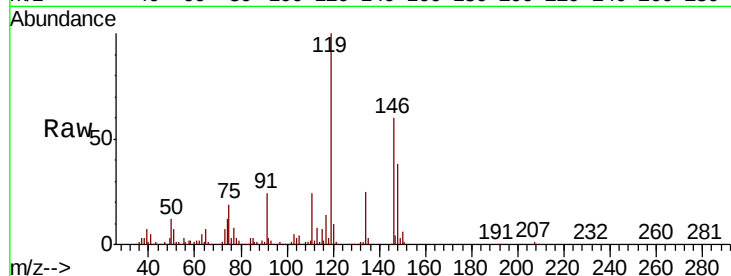
Tot Ion:146 Resp: 182838

Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

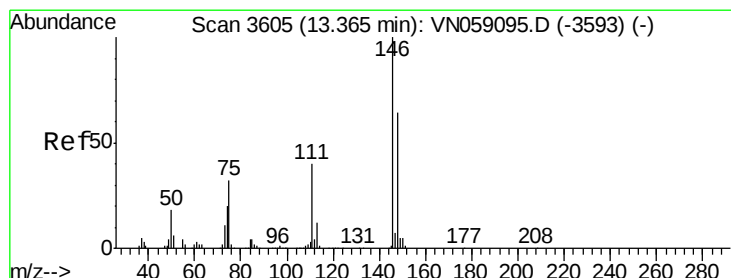
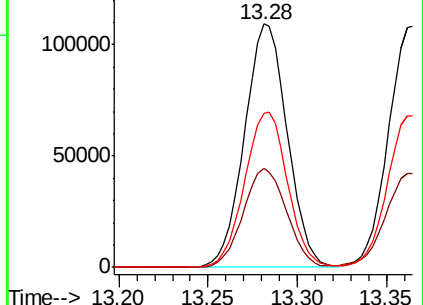
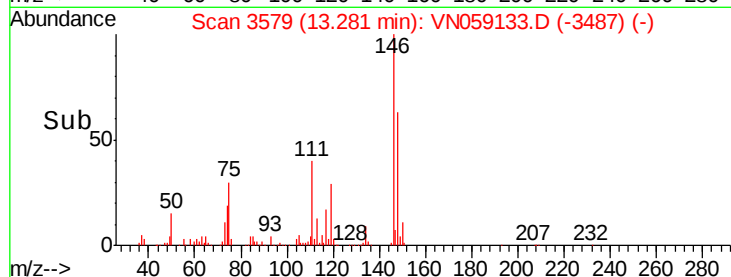
148 64.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.499 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

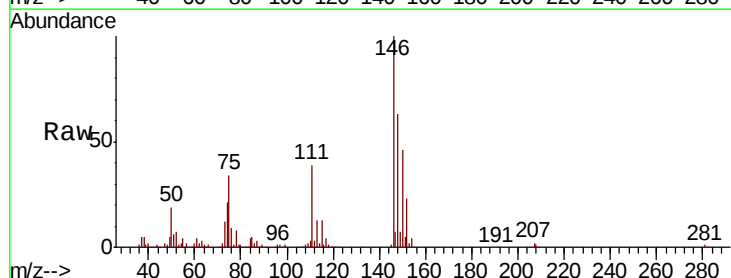
Tgt Ion:146 Resp: 180940

Ion Ratio Lower Upper

146 100

111 41.5 20.3 60.9

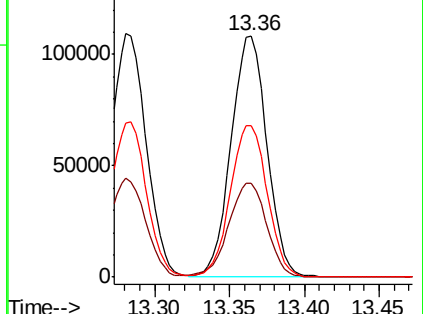
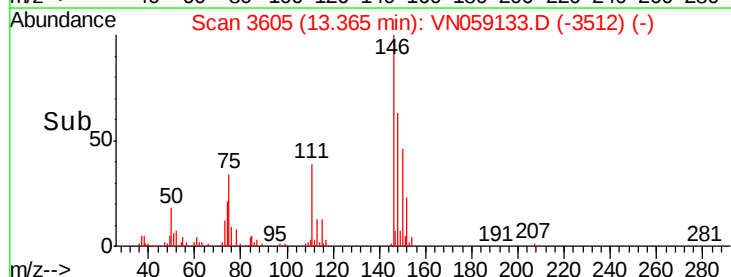
148 64.8 31.9 95.7

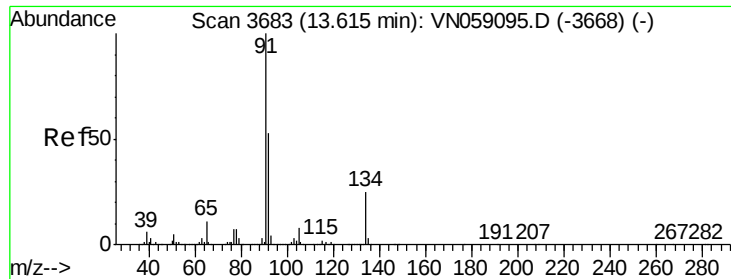


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

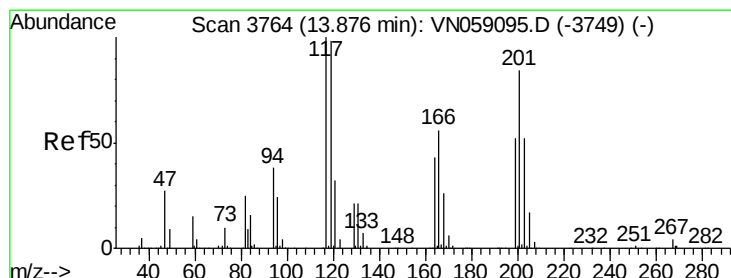
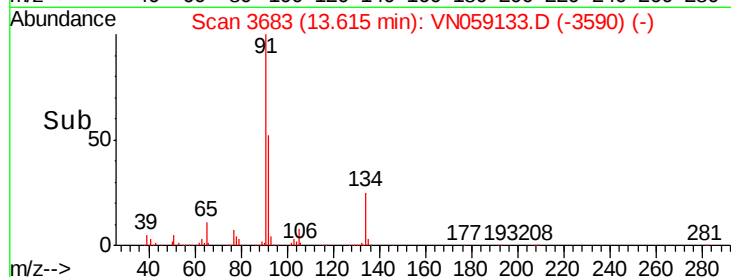
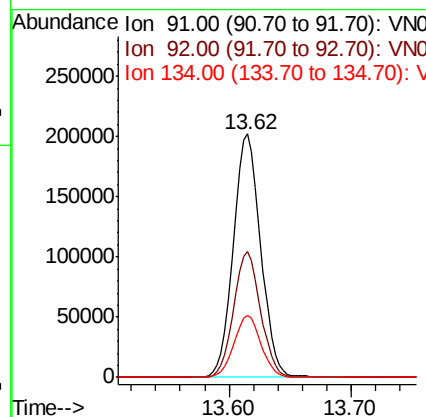
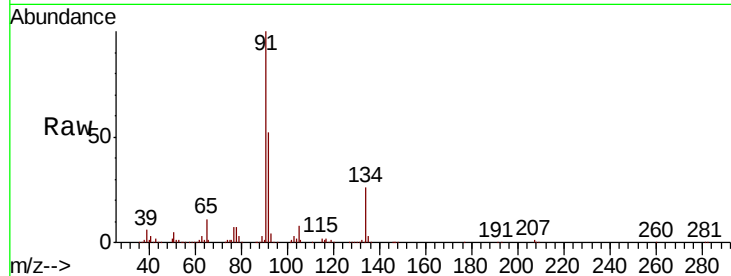




#89
n-Butylbenzene
Concen: 19.937 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

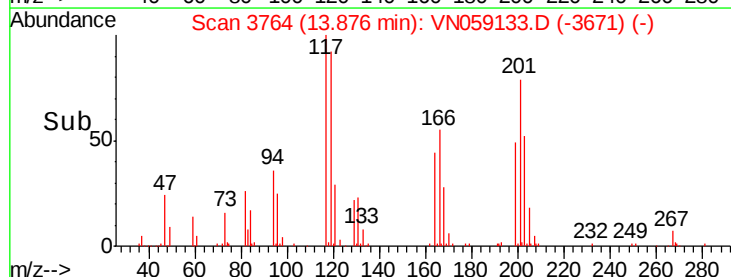
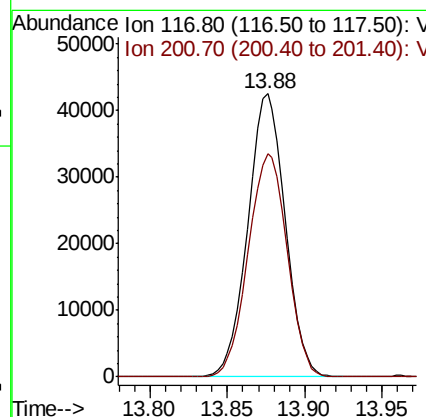
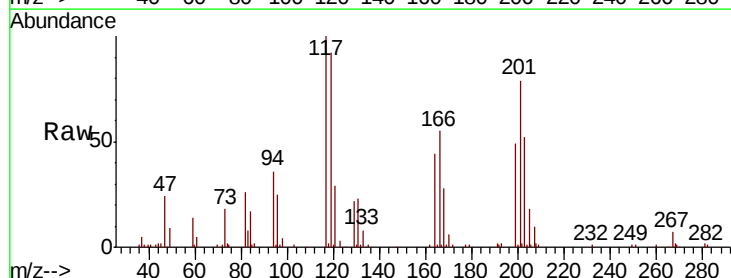
Instrument :
MSVOA_N
ClientSampled :
VN1108MBS01

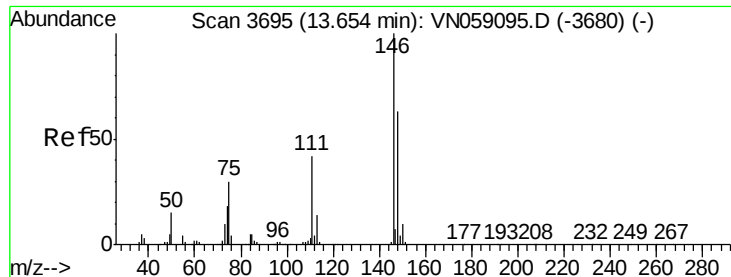
Tot Ion: 91 Resp: 316094
Ion Ratio Lower Upper
91 100
92 51.0 26.1 78.3
134 25.2 12.6 37.8



#90
Hexachloroethane
Concen: 19.724 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion: 117 Resp: 71745
Ion Ratio Lower Upper
117 100
201 81.9 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 20.326 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

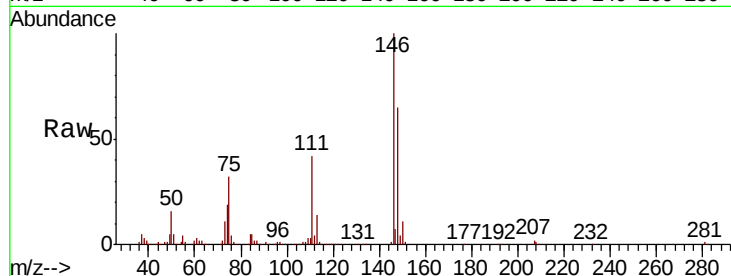
Tot Ion:146 Resp: 185443

Ion Ratio Lower Upper

146 100

111 42.0 21.2 63.6

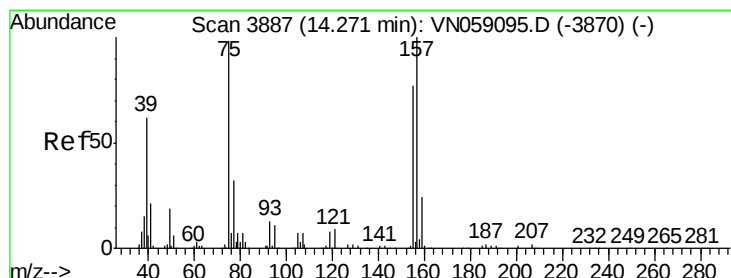
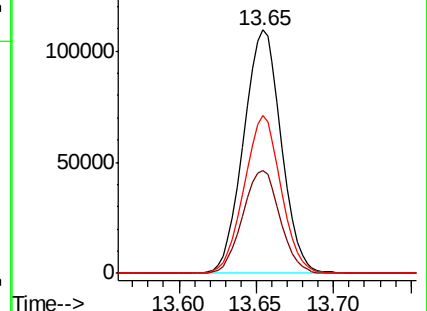
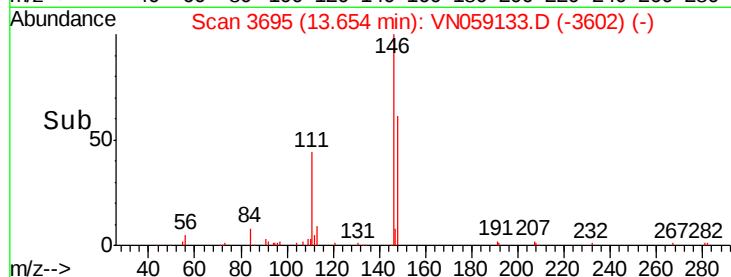
148 63.5 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.274 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

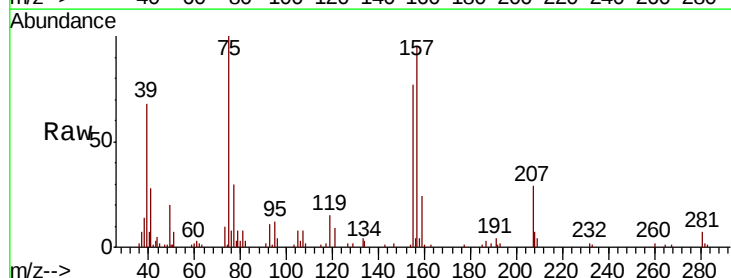
Tgt Ion: 75 Resp: 29671

Ion Ratio Lower Upper

75 100

155 74.3 40.2 120.6

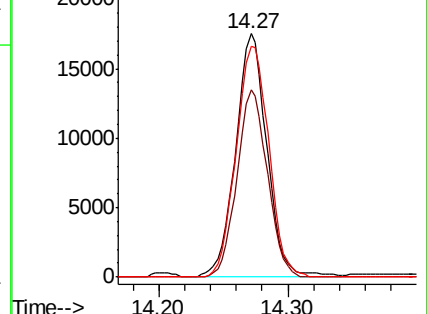
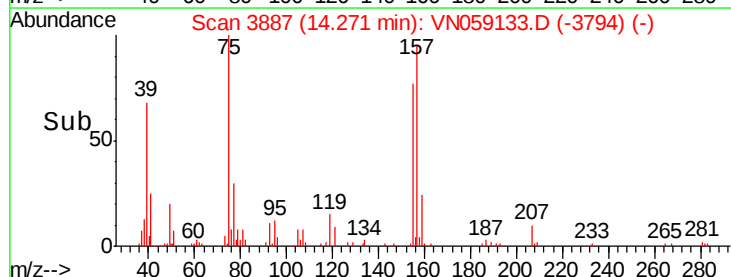
157 98.3 51.8 155.5

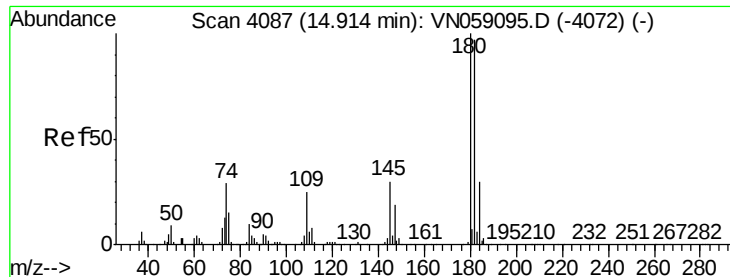


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

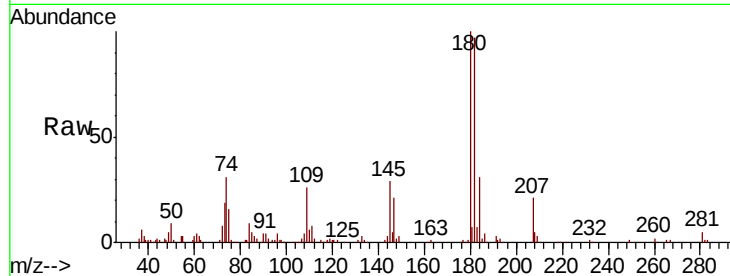




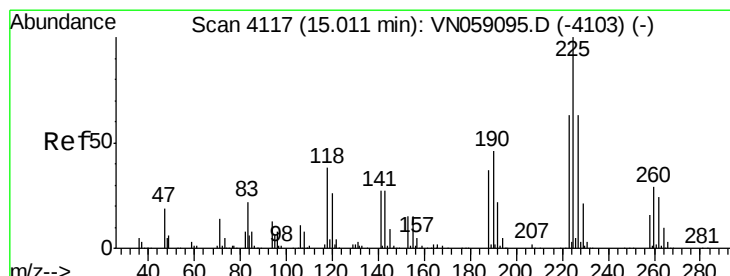
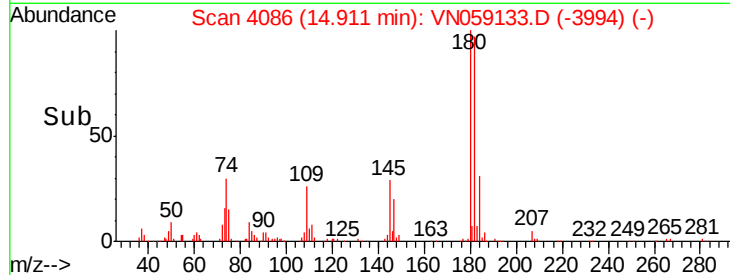
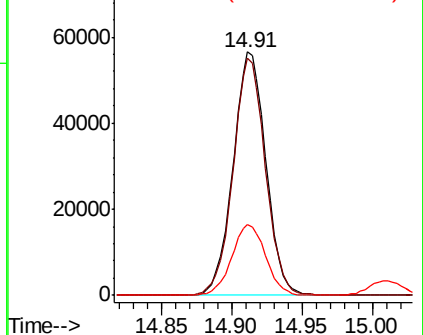
#93
 1,2,4-Trichlorobenzene
 Concen: 18.641 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.3
145	30.1	15.1	45.3

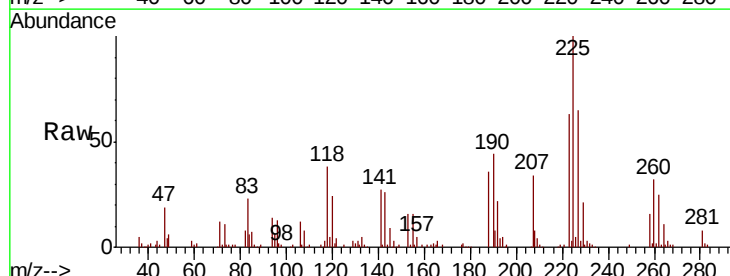


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

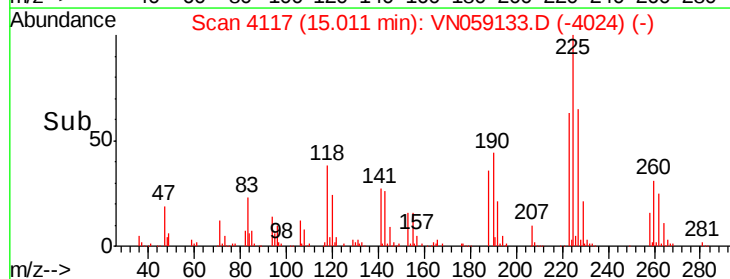
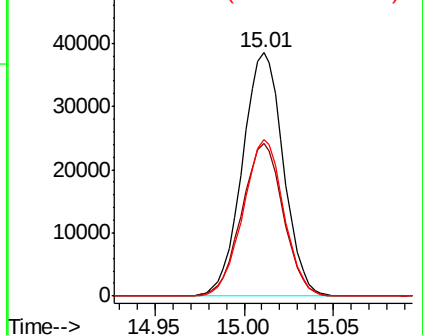


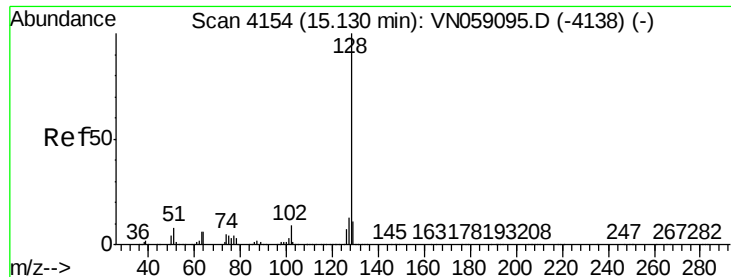
#94
 Hexachlorobutadiene
 Concen: 19.602 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.9
227	63.9	31.5	94.5



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: 17.818 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

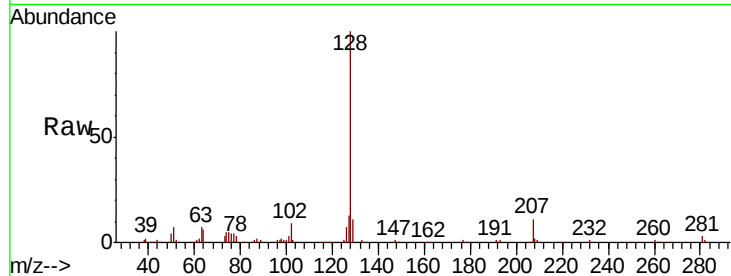
Tot Ion:128 Resp: 241587

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

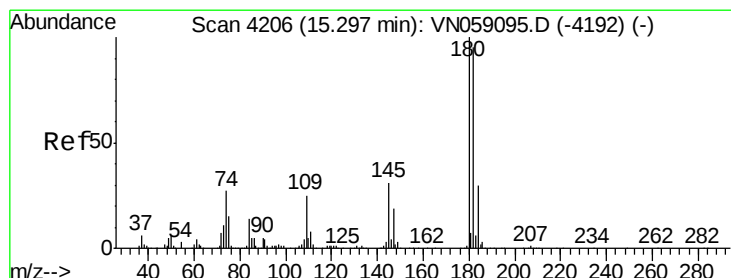
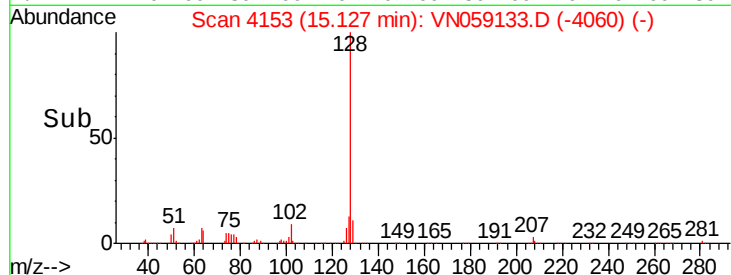
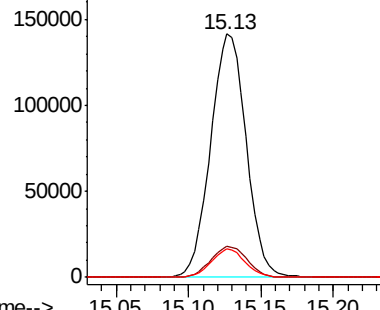
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.528 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

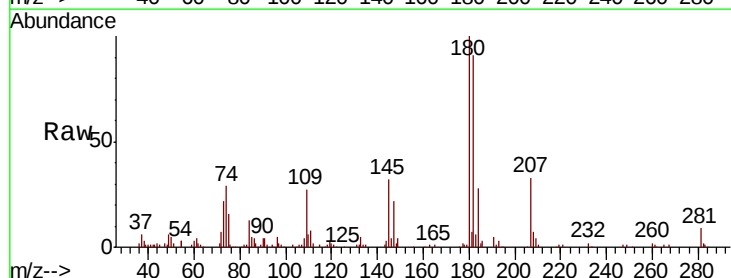
Tgt Ion:180 Resp: 94730

Ion Ratio Lower Upper

180 100

182 93.0 47.3 141.8

145 33.0 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

