

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059648.D
 Acq On : 18 Dec 2019 14:16
 Operator : JC/SP
 Sample : VN1218MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 04:26:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141717	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	171674	57.94	ug/l	0.00
Spiked Amount						
			Recovery	=	115.88%	
35) Dibromofluoromethane	7.57	113	120326	58.13	ug/l	0.00
Spiked Amount						
			Recovery	=	116.26%	
50) Toluene-d8	10.08	98	470064	57.36	ug/l	0.00
Spiked Amount						
			Recovery	=	114.72%	
62) 4-Bromofluorobenzene	12.40	95	164790	55.10	ug/l	0.00
Spiked Amount						
			Recovery	=	110.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	38362	14.580	ug/l	98
3) Chloromethane	2.04	50	63040	15.098	ug/l	98
4) Vinyl Chloride	2.17	62	69991	17.677	ug/l	98
5) Bromomethane	2.54	94	39309	17.077	ug/l	100
6) Chloroethane	2.68	64	41887	18.823	ug/l	99
7) Trichlorofluoromethane	2.99	101	78161	17.992	ug/l	100
8) Diethyl Ether	3.39	74	24302	17.904	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	37930	17.325	ug/l	99
10) Methyl Iodide	3.92	142	48015	16.566	ug/l	100
11) Tert butyl alcohol	4.75	59	46667	85.911	ug/l	98
12) 1,1-Dichloroethene	3.71	96	36955	17.304	ug/l	98
13) Acrolein	3.58	56	17423	45.028	ug/l	98
14) Allyl chloride	4.29	41	74218	16.928	ug/l	99
15) Acrylonitrile	4.95	53	121553	92.511	ug/l	100
16) Acetone	3.79	43	124817	70.954	ug/l	99
17) Carbon Disulfide	4.02	76	115159	16.316	ug/l	99
18) Methyl Acetate	4.29	43	64788	17.576	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	130977	17.369	ug/l	100
20) Methylene Chloride	4.52	84	45196	17.790	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	41372	17.377	ug/l	99
22) Diisopropyl ether	5.92	45	147486	18.247	ug/l	93
23) Vinyl Acetate	5.86	43	609699	96.121	ug/l	99
24) 1,1-Dichloroethane	5.82	63	82877	18.101	ug/l	100
25) 2-Butanone	6.81	43	171967	81.750	ug/l	100
26) 2,2-Dichloropropane	6.80	77	73144	17.577	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	47219	17.898	ug/l	98
28) Bromochloromethane	7.17	49	37581	19.819	ug/l	96
29) Tetrahydrofuran	7.19	42	115158	89.850	ug/l	99
30) Chloroform	7.35	83	80648	17.895	ug/l	98
31) Cyclohexane	7.63	56	75144	17.370	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	71082	17.495	ug/l	99
36) 1,1-Dichloropropene	7.77	75	60410	17.509	ug/l	99
37) Ethyl Acetate	6.90	43	71600	17.855	ug/l	99
38) Carbon Tetrachloride	7.75	117	62570	17.477	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65523	16.743	ug/l	99
40) Benzene	8.02	78	181470	17.998	ug/l	99
41) Methacrylonitrile	7.18	41	104362	63.061	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	71528	18.524	ug/l	100
43) Isopropyl Acetate	8.14	43	107044	17.170	ug/l	99
44) Trichloroethene	8.82	130	46236	17.507	ug/l	99
45) 1,2-Dichloropropane	9.10	63	49404	18.145	ug/l	98
46) Dibromomethane	9.19	93	31533	17.677	ug/l	99
47) Bromodichloromethane	9.39	83	63905	17.969	ug/l	98
48) Methyl methacrylate	9.18	41	46390	16.400	ug/l	97
49) 1,4-Dioxane	9.18	88	14910	367.825	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	338678	91.111	ug/l	99
52) Toluene	10.14	92	107755	17.393	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	71221	17.316	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	75618	17.490	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	43863	18.043	ug/l	98
56) Ethyl methacrylate	10.42	69	60813	16.851	ug/l	99
57) 1,3-Dichloropropane	10.70	76	76746	18.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	104271	90.845	ug/l	100
59) 2-Hexanone	10.74	43	249940	85.314	ug/l	100
60) Dibromochloromethane	10.90	129	46171	17.402	ug/l	99
61) 1,2-Dibromoethane	11.00	107	44472	17.249	ug/l	100
64) Tetrachloroethene	10.62	164	44267	15.496	ug/l	98
65) Chlorobenzene	11.43	112	113839	17.168	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	42443	16.852	ug/l	98
67) Ethyl Benzene	11.51	91	201427	16.829	ug/l	100
68) m/p-Xylenes	11.62	106	149603	33.849	ug/l	99
69) o-Xylene	11.94	106	70734	16.820	ug/l	99
70) Styrene	11.96	104	110174	16.306	ug/l	98
71) Bromoform	12.12	173	32030	16.918	ug/l #	99
73) Isopropylbenzene	12.24	105	190584	17.131	ug/l	99
74) N-amyl acetate	12.07	43	83597	16.382	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	63057	17.869	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	90575	25.817	ug/l #	100
77) Bromobenzene	12.52	156	46447	16.977	ug/l	99
78) n-propylbenzene	12.59	91	226674	17.237	ug/l	98
79) 2-Chlorotoluene	12.67	91	135803	17.078	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	161116	17.114	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	23116	16.274	ug/l	99
82) 4-Chlorotoluene	12.77	91	137611	16.902	ug/l	99
83) tert-Butylbenzene	12.99	119	130355	16.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	158728	16.956	ug/l	98
85) sec-Butylbenzene	13.17	105	180094	16.981	ug/l	99
86) p-Isopropyltoluene	13.29	119	157993	16.449	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82993	16.497	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	80421	15.855	ug/l	98
89) n-Butylbenzene	13.61	91	151608	16.835	ug/l	99
90) Hexachloroethane	13.87	117	30033	16.542	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	81680	16.463	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	15106	16.420	ug/l	94

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QLast Update : Fri Dec 13 23:17:39 2019
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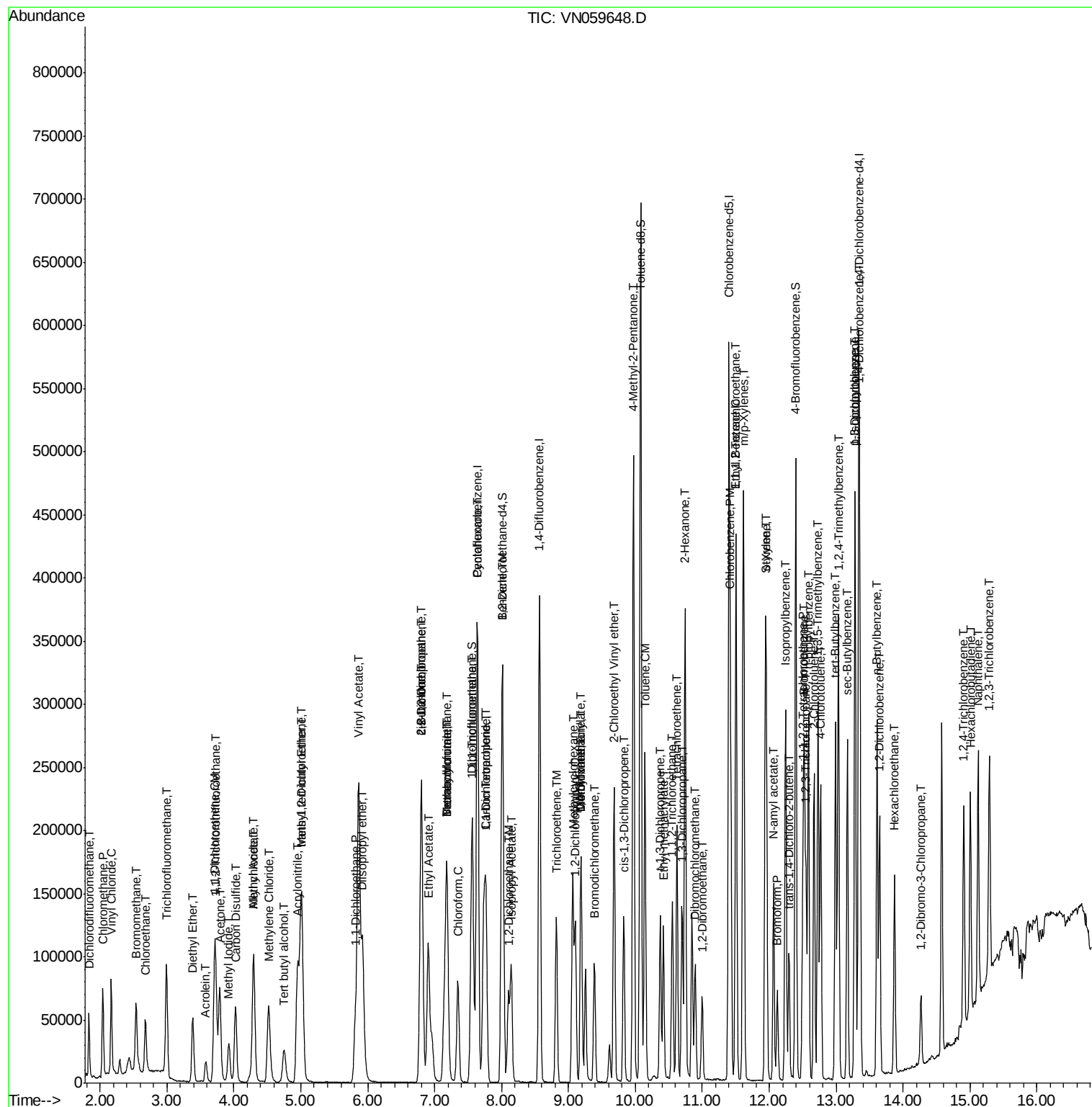
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55338	17.273	ug/l	98
94) Hexachlorobutadiene	15.00	225	32050	19.474	ug/l	99
95) Naphthalene	15.12	128	157941	16.514	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	56976	17.584	ug/l	100

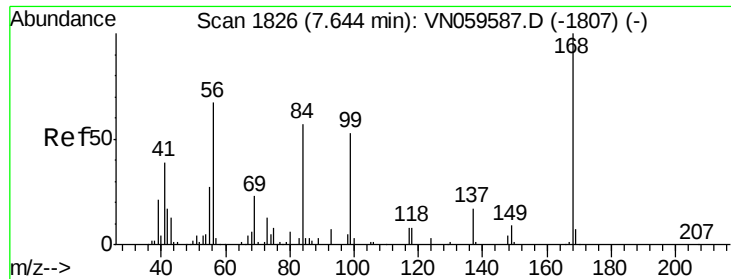
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

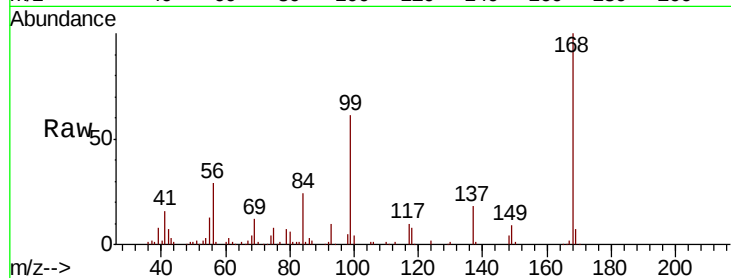
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 203617

Ion Ratio Lower Upper

168 100

99 60.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

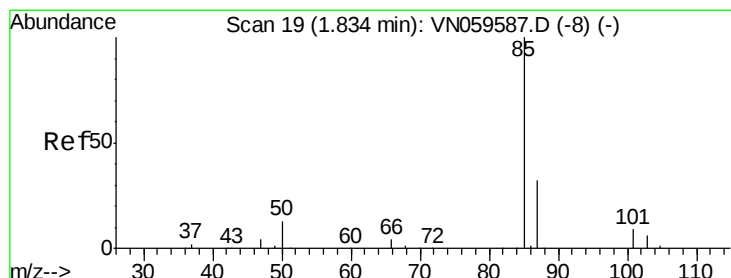
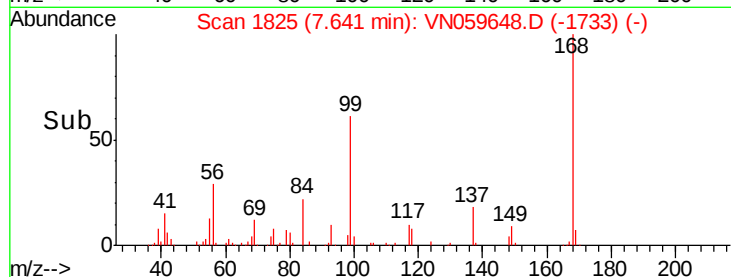
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 14.580 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059648.D

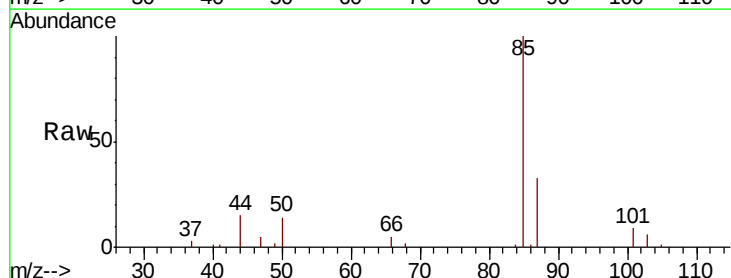
Acq: 18 Dec 2019 14:16

Tgt Ion: 85 Resp: 38362

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

25000

20000

15000

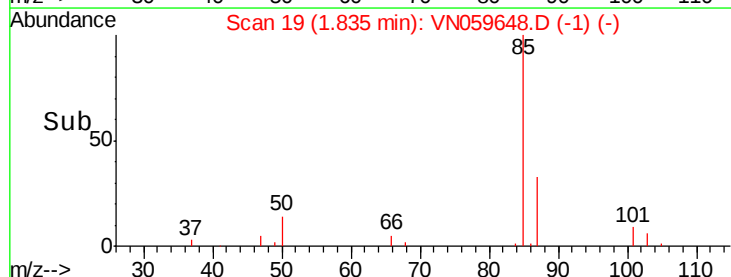
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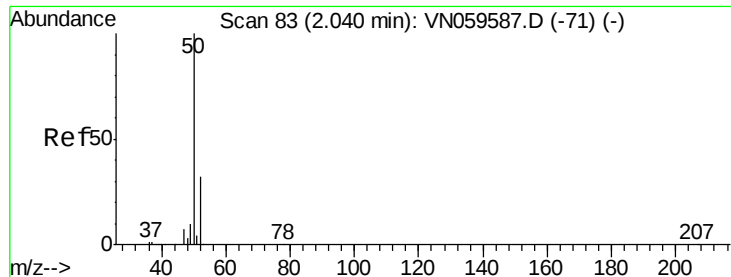
5000

0

1.80 1.85 1.90

Time-->

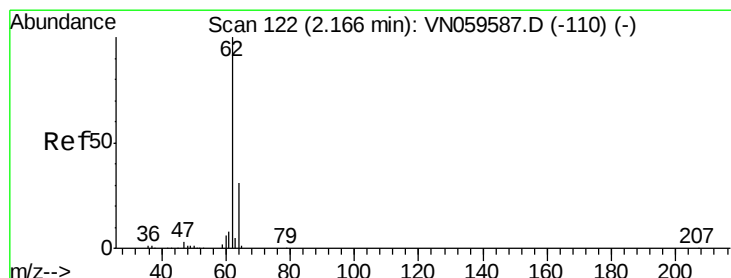
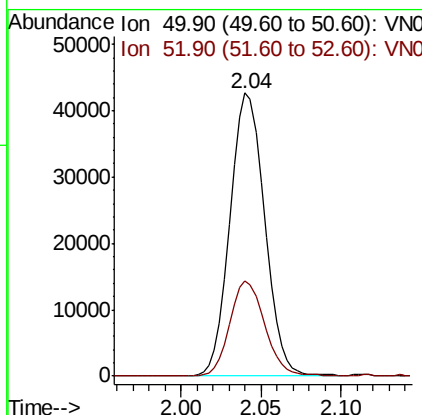
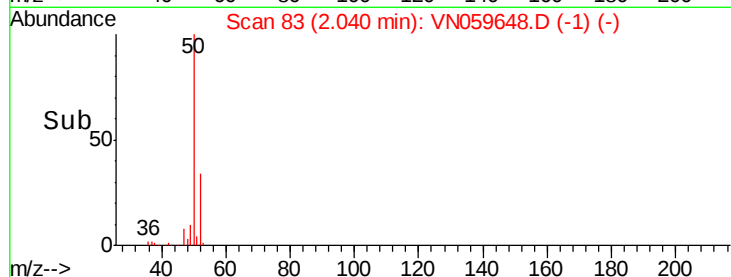
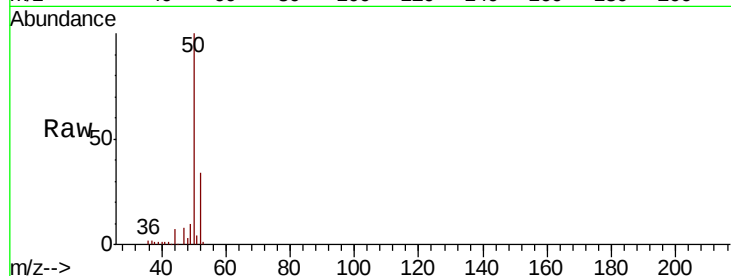




#3
Chloromethane
Concen: 15.098 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

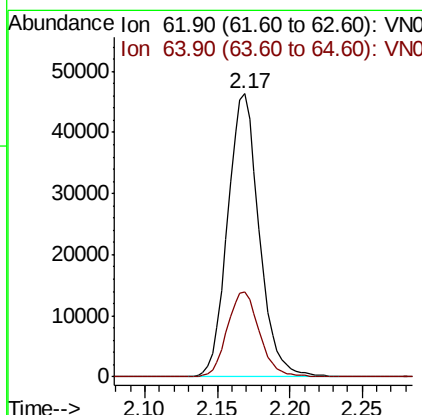
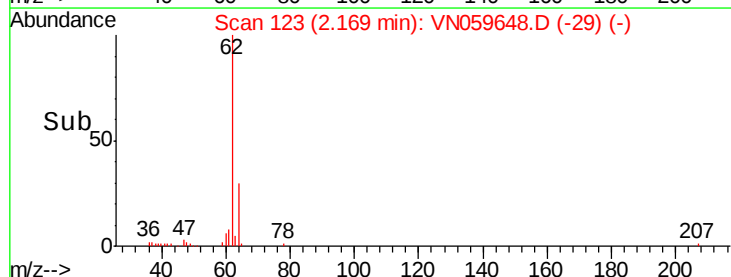
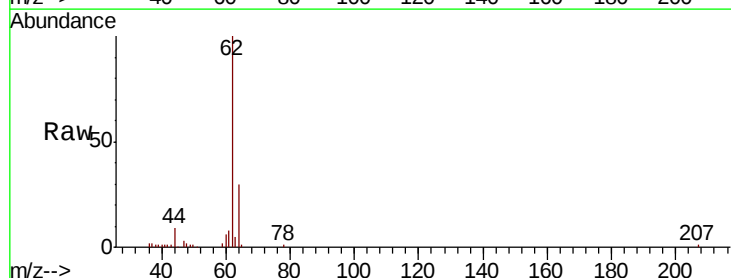
Instrument :
MSVOA_N
ClientSampled :

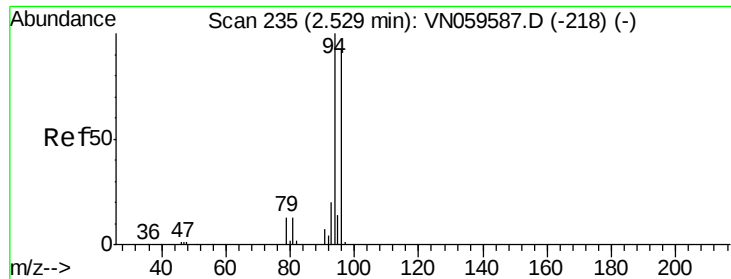
Tot Ion: 50 Resp: 63040
Ion Ratio Lower Upper
50 100
52 33.5 25.9 38.9



#4
Vinyl Chloride
Concen: 17.677 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 62 Resp: 69991
Ion Ratio Lower Upper
62 100
64 29.9 24.6 37.0





#5

Bromomethane

Concen: 17.077 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

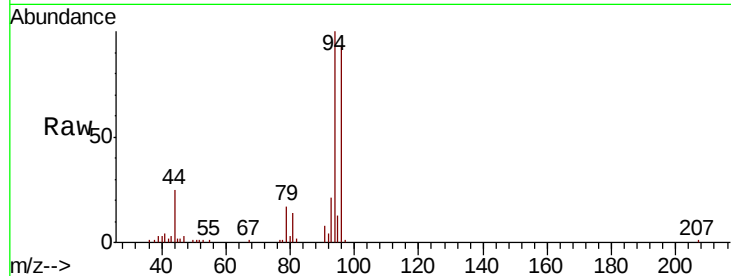
ClientSampled :

Tot Ion: 94 Resp: 39309

Ion Ratio Lower Upper

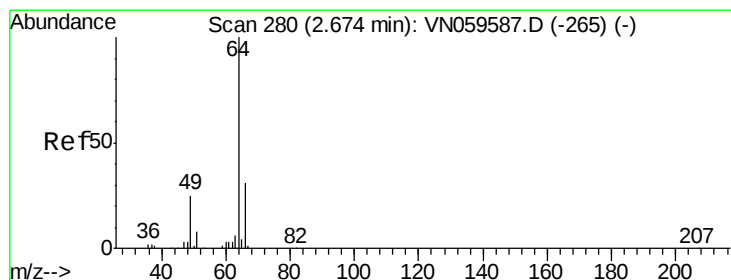
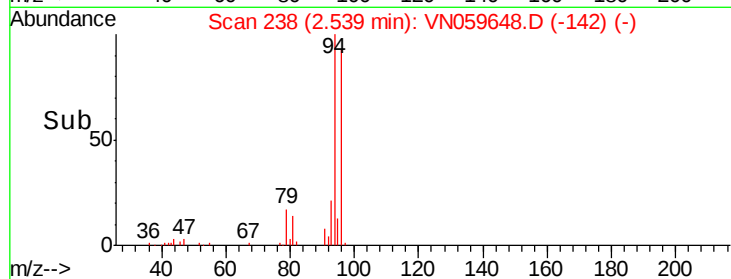
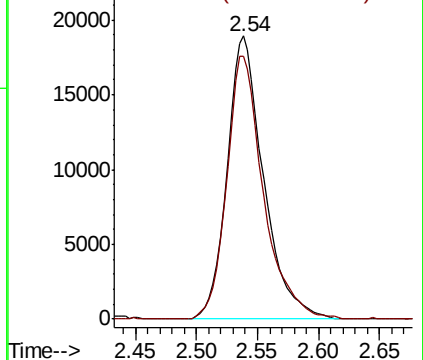
94 100

96 92.9 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.823 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN059648.D

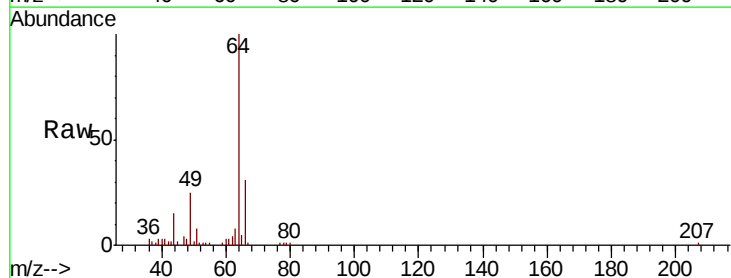
Acq: 18 Dec 2019 14:16

Tgt Ion: 64 Resp: 41887

Ion Ratio Lower Upper

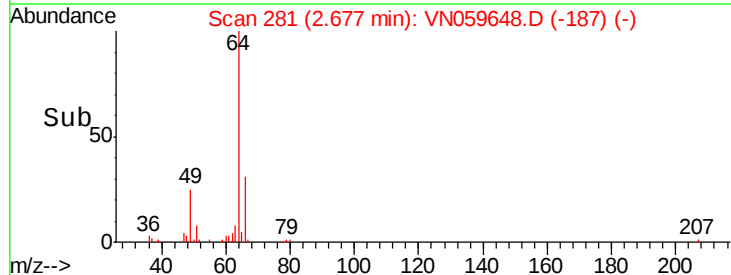
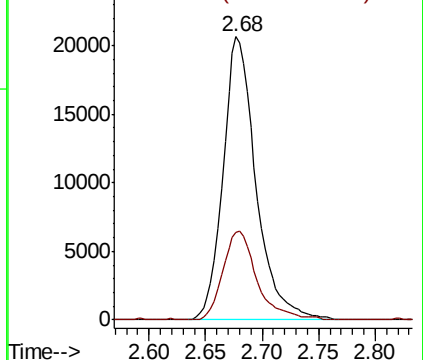
64 100

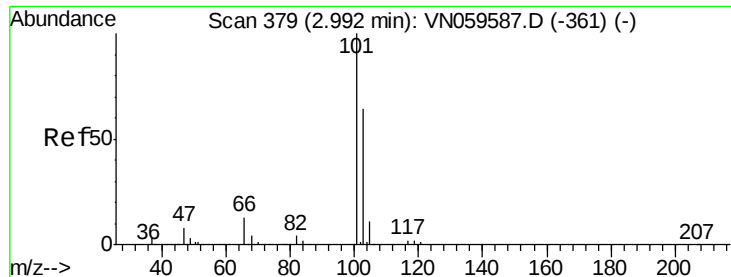
66 31.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



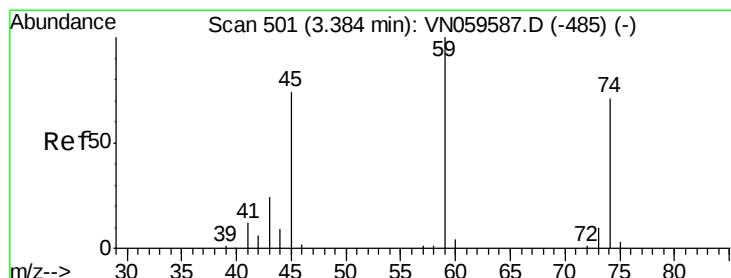
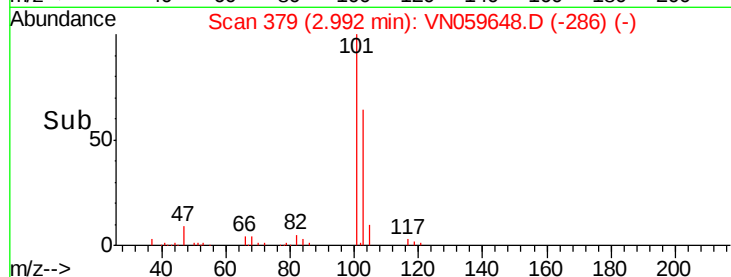
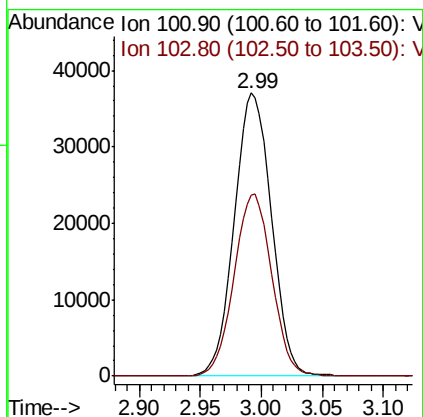
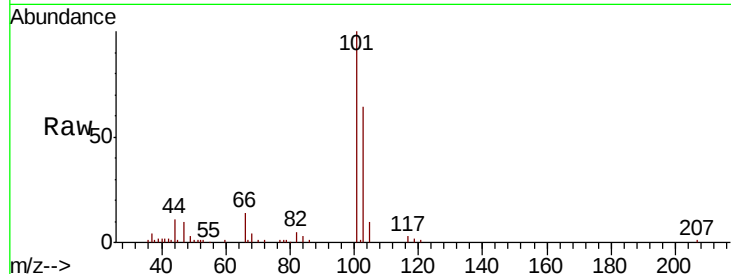


#7

Trichlorofluoromethane
 Concen: 17.992 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Instrument :
 MSVOA_N
 ClientSampled :

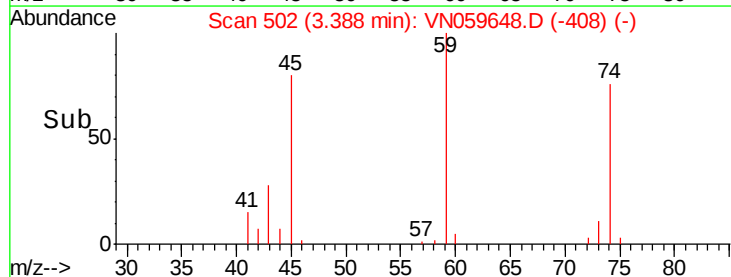
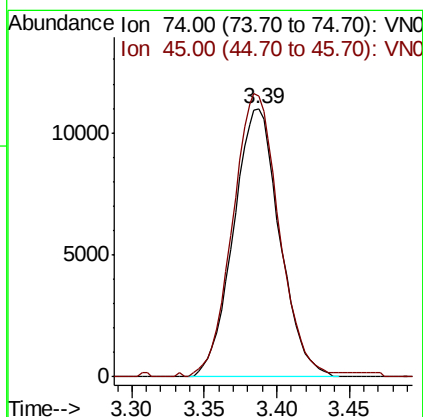
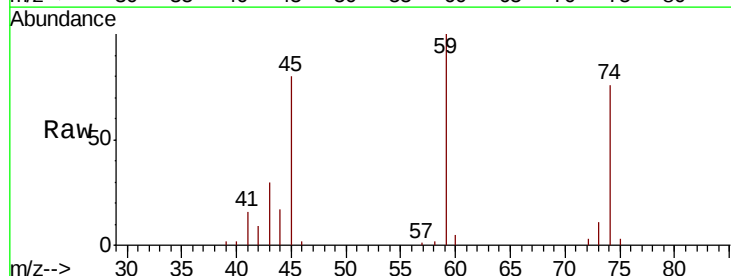
Tot Ion:101 Resp: 78161
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.0 76.6

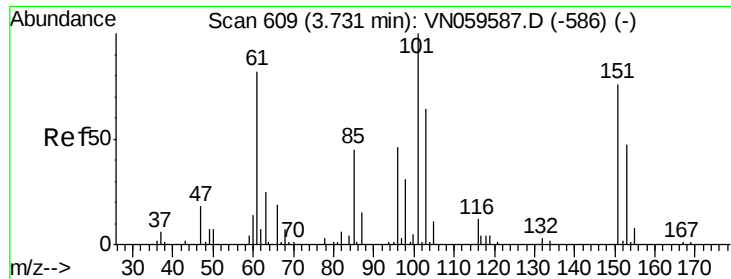


#8

Diethyl Ether
 Concen: 17.904 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion: 74 Resp: 24302
 Ion Ratio Lower Upper
 74 100
 45 106.6 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.325 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

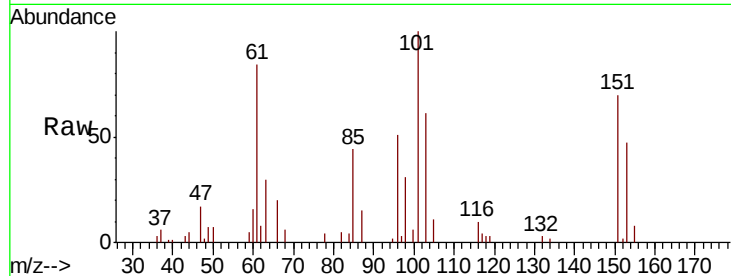
Tot Ion:101 Resp: 37930

Ion Ratio Lower Upper

101 100

85 43.9 36.6 54.8

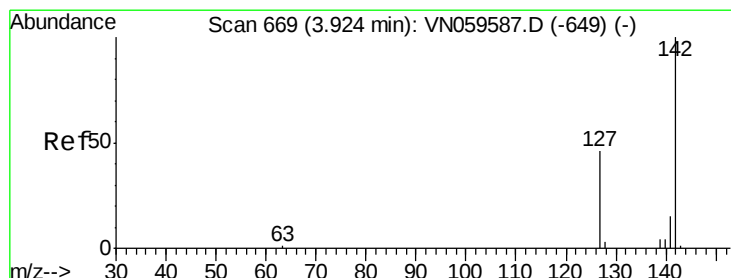
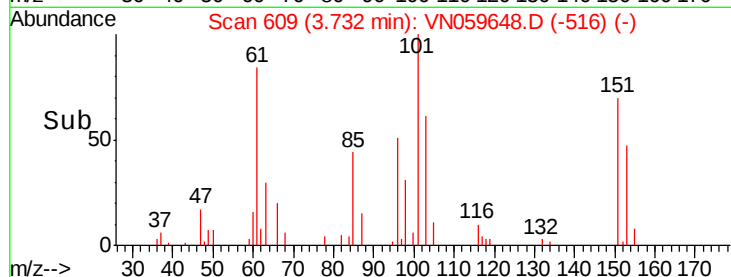
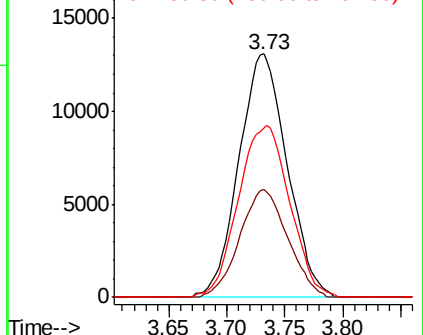
151 74.9 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.566 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

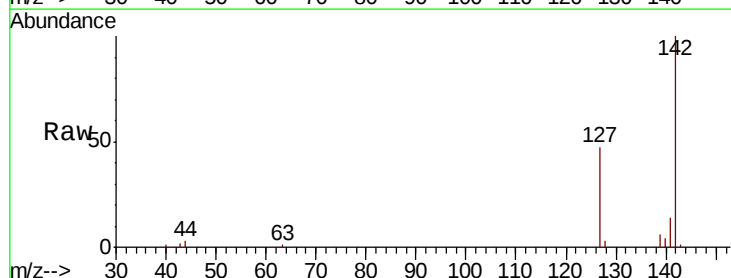
Tgt Ion:142 Resp: 48015

Ion Ratio Lower Upper

142 100

127 45.9 36.7 55.1

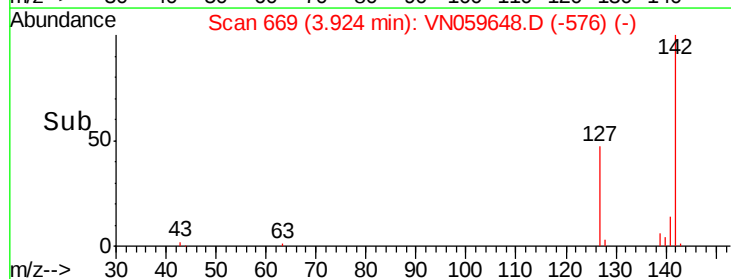
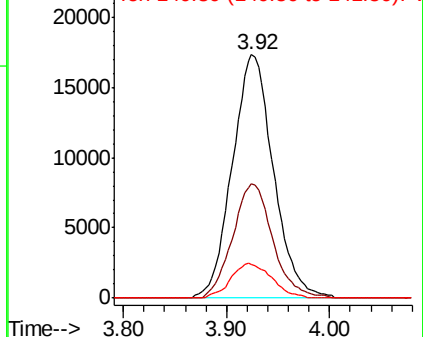
141 14.3 11.7 17.5

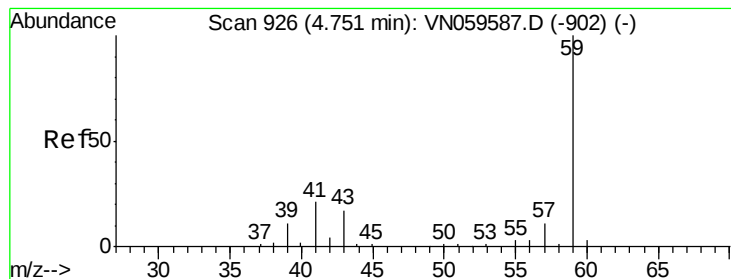


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 85.911 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

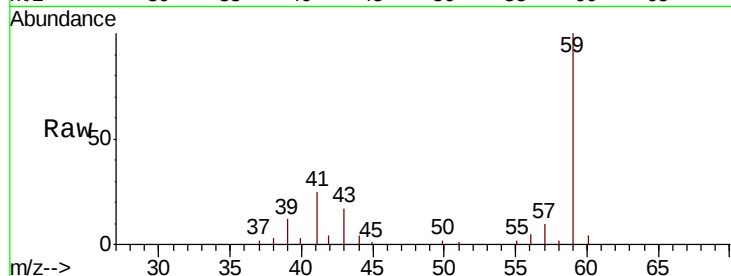
ClientSampleId :

Tot Ion: 59 Resp: 46667

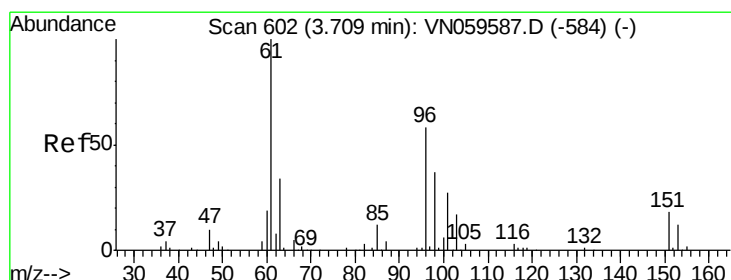
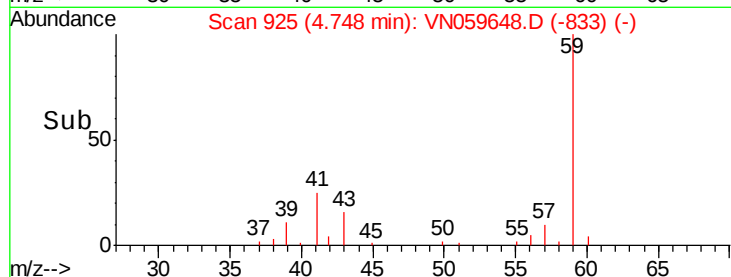
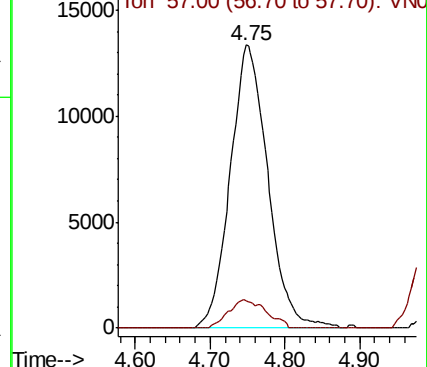
Ion Ratio Lower Upper

59 100

57 10.0 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN059587.D (-902) (-)



#12

1,1-Dichloroethene

Concen: 17.304 ug/l

RT: 3.71 min Scan# 602

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

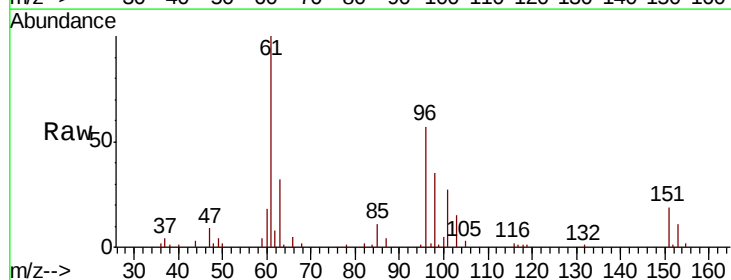
Tgt Ion: 96 Resp: 36955

Ion Ratio Lower Upper

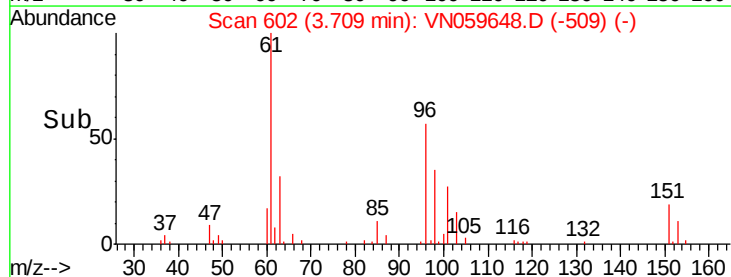
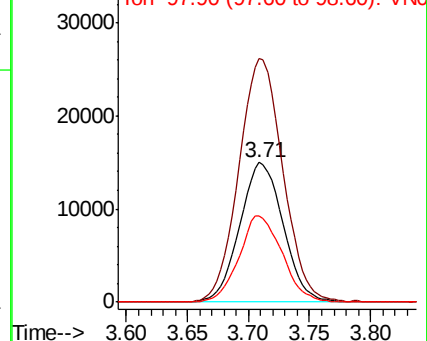
96 100

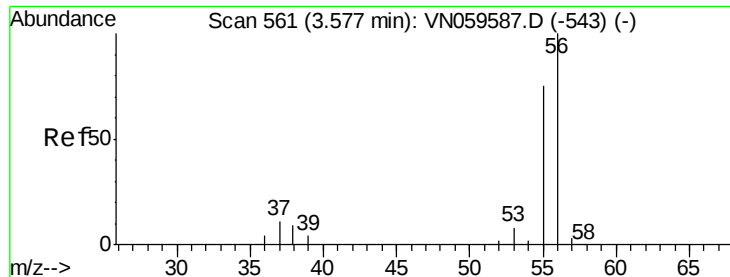
61 174.2 137.5 206.3

98 61.6 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-584) (-)

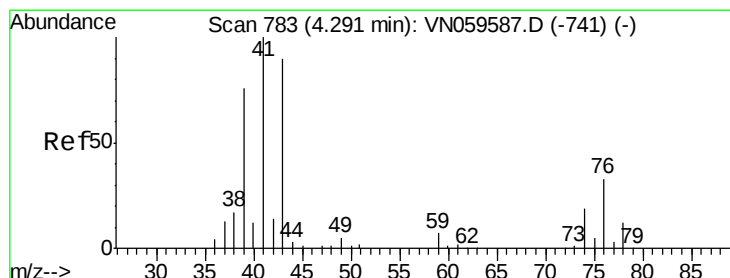
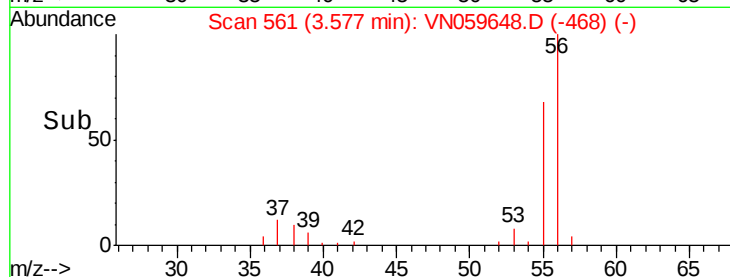
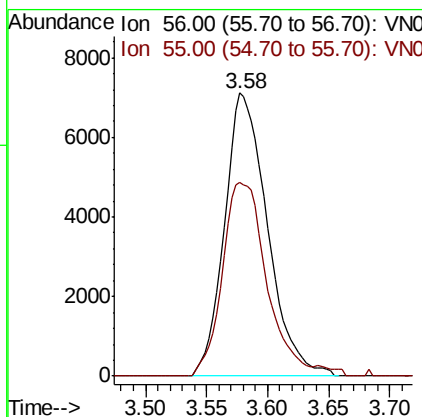
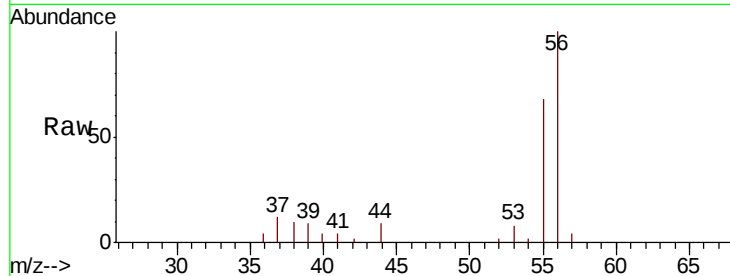




#13
Acrolein
Concen: 45.028 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

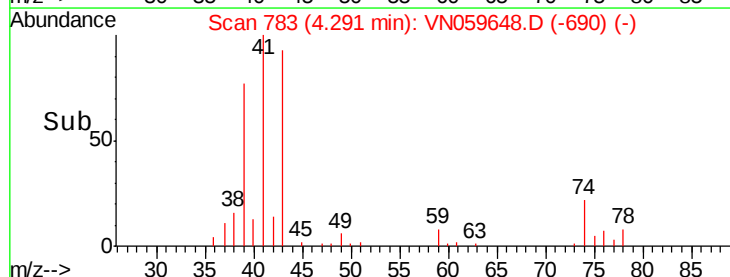
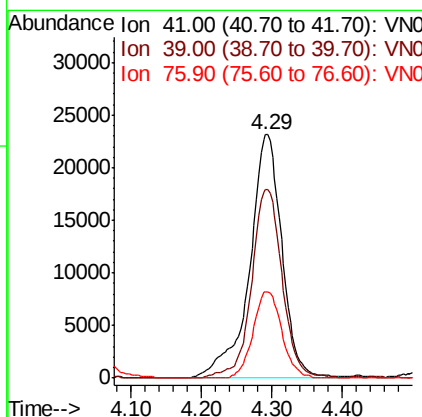
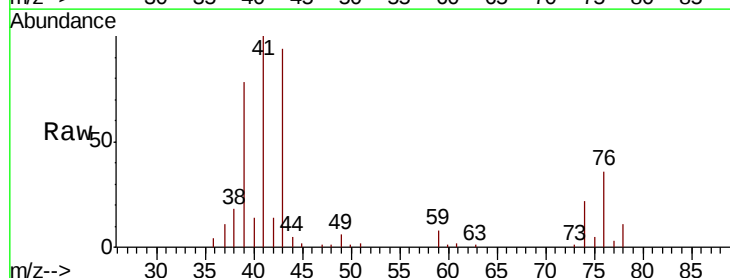
Instrument :
MSVOA_N
ClientSampleId :

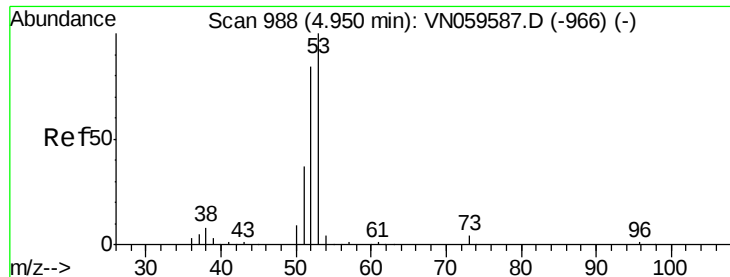
Tot Ion: 56 Resp: 17423
Ion Ratio Lower Upper
56 100
55 71.9 58.6 88.0



#14
Allyl chloride
Concen: 16.928 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 41 Resp: 74218
Ion Ratio Lower Upper
41 100
39 72.8 57.8 86.8
76 31.3 25.4 38.0





#15

Acrylonitrile

Concen: 92.511 ug/l

RT: 4.95 min Scan# 988

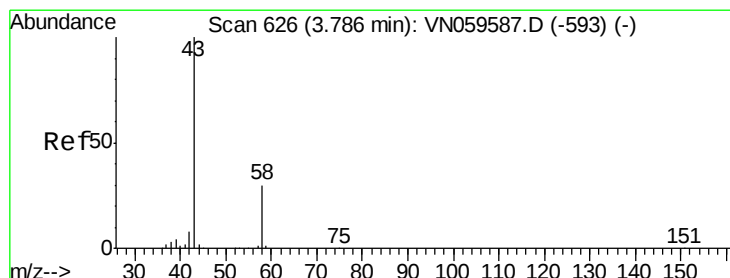
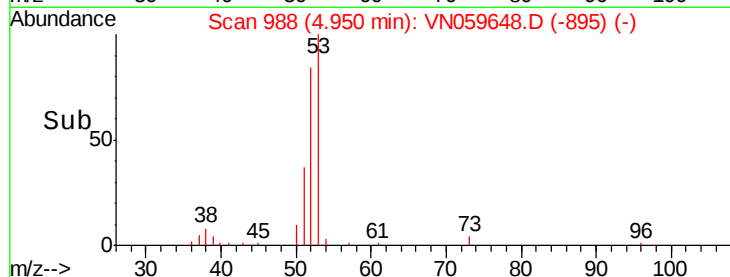
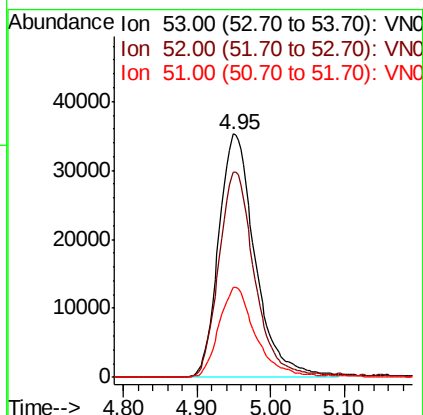
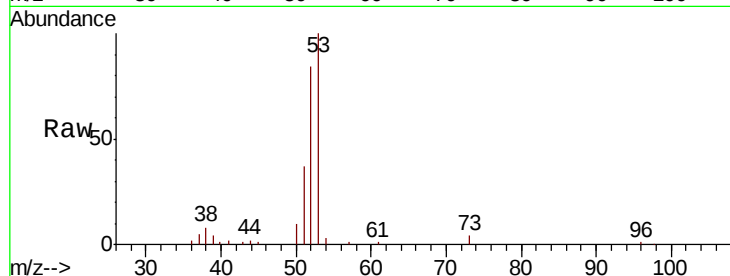
Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	53	Resp:	121553
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.3	99.5
51	37.1	29.7	44.5



#16

Acetone

Concen: 70.954 ug/l

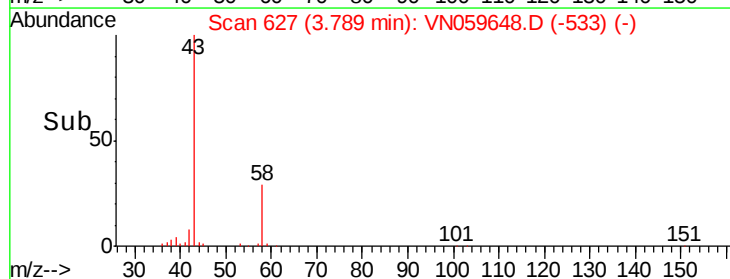
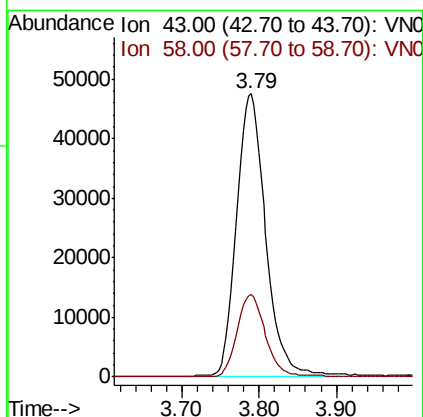
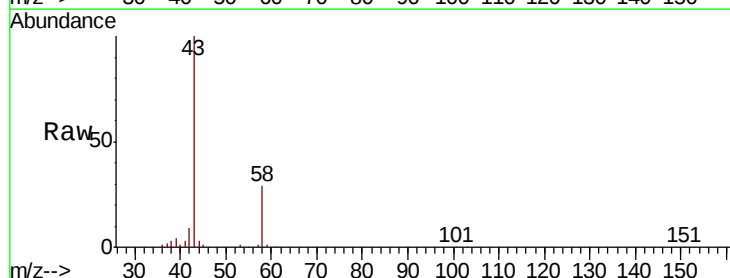
RT: 3.79 min Scan# 627

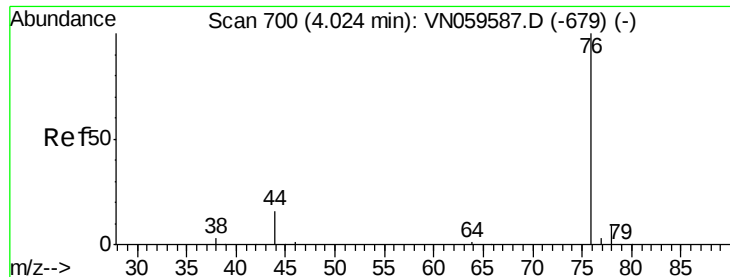
Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tgt Ion:	43	Resp:	124817
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.6	35.4





#17

Carbon Disulfide

Concen: 16.316 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

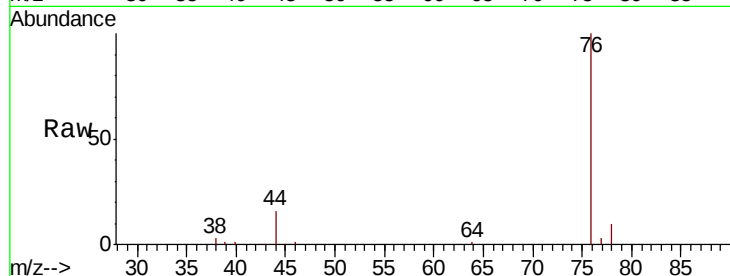
ClientSampleId :

Tot Ion: 76 Resp: 115159

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN059587.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059587.D (-679) (-)

4.02

50000

40000

30000

20000

10000

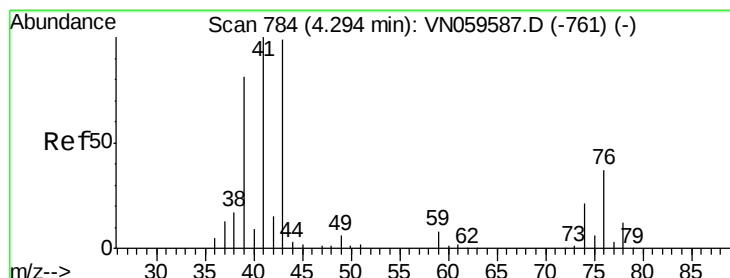
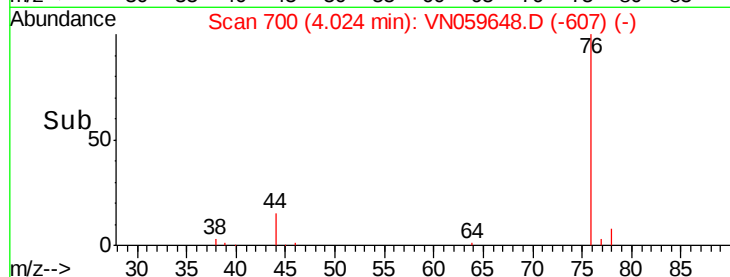
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 17.576 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059648.D

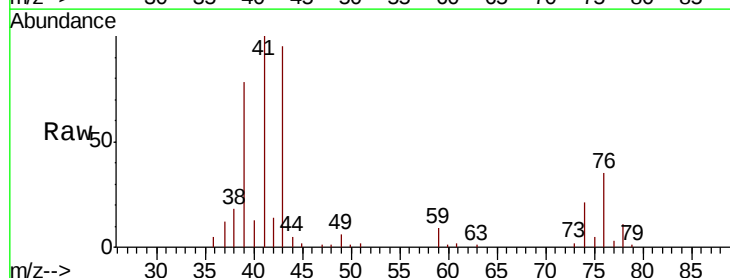
Acq: 18 Dec 2019 14:16

Tgt Ion: 43 Resp: 64788

Ion Ratio Lower Upper

43 100

74 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-761) (-)

Ion 74.00 (73.70 to 74.70): VN059587.D (-761) (-)

4.29

25000

20000

15000

10000

5000

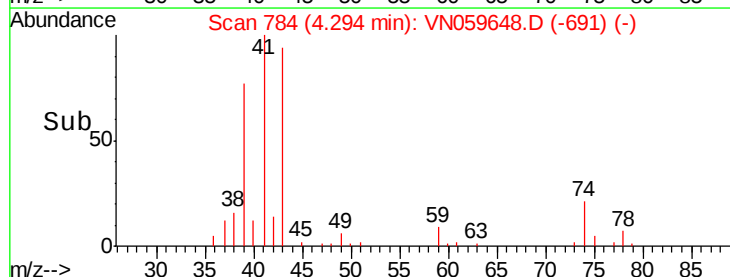
0

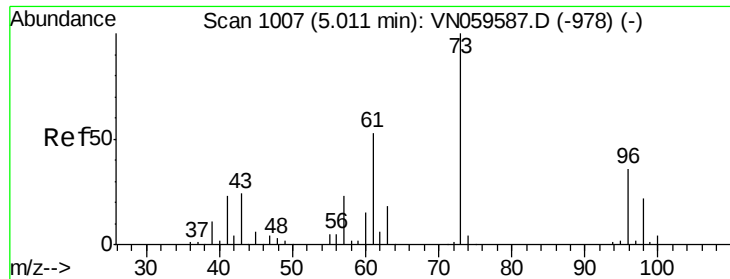
Time-->

4.20

4.30

4.40

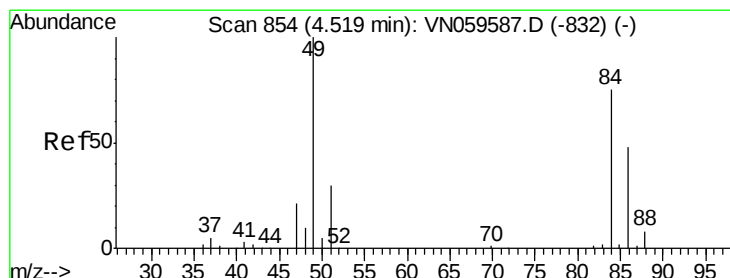
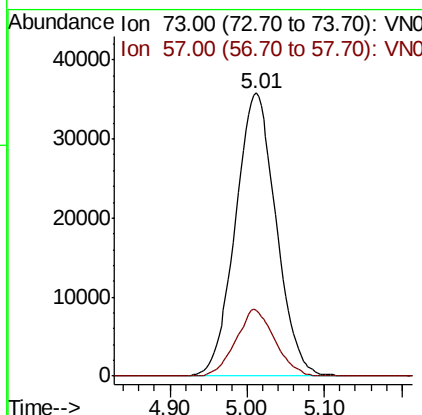
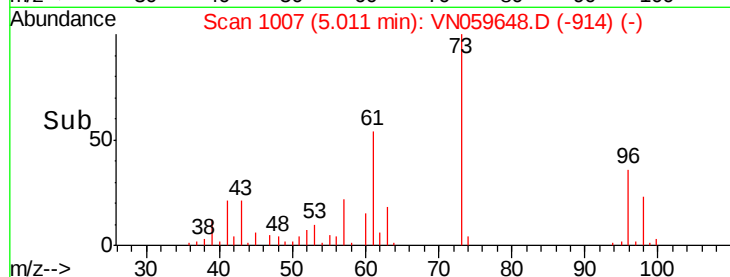
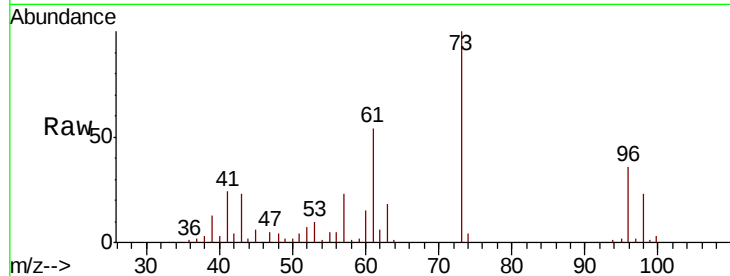




#19
Methvl tert-butvl Ether
Concen: 17.369 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

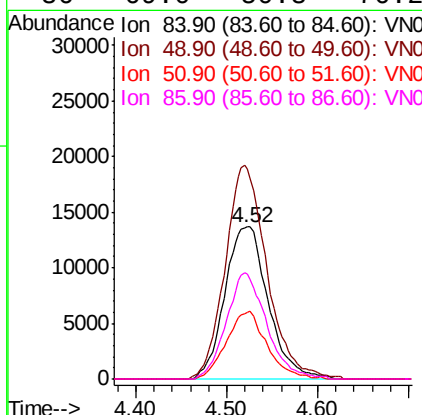
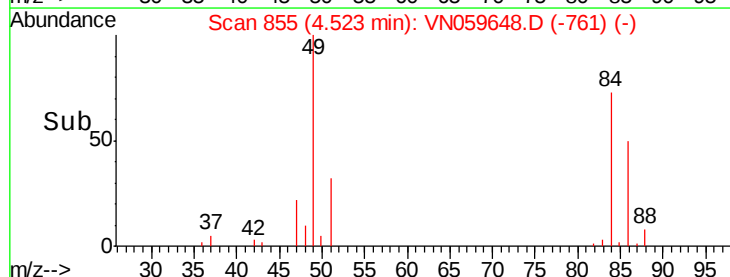
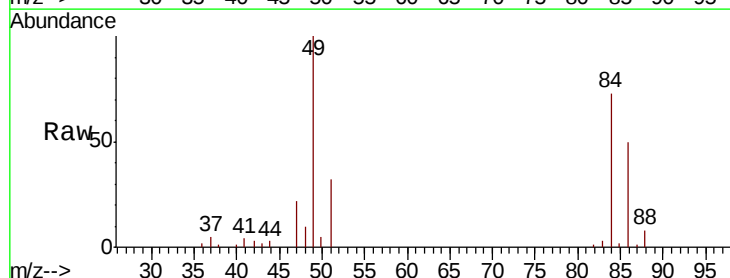
Instrument :
MSVOA_N
ClientSampleId :

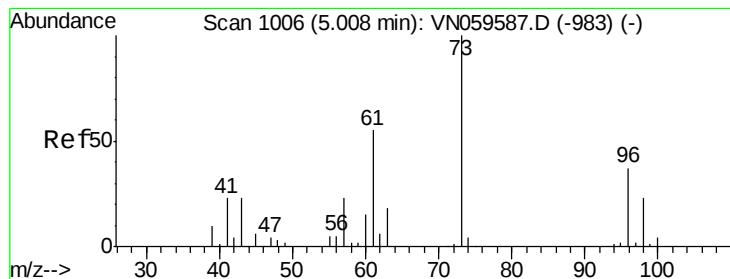
Tot Ion: 73 Resp: 130977
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8



#20
Methylene Chloride
Concen: 17.790 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 84 Resp: 45196
Ion Ratio Lower Upper
84 100
49 137.7 106.6 160.0
51 43.9 31.9 47.9
86 69.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 17.377 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :

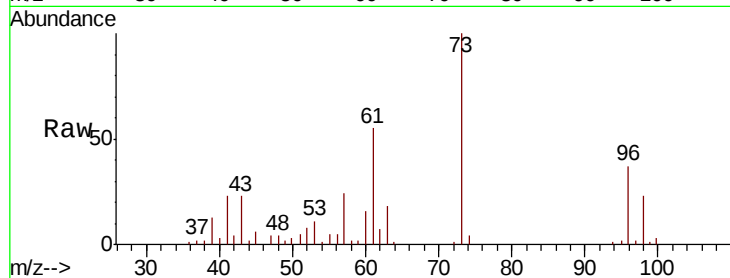
Tot Ion: 96 Resp: 41372

Ion Ratio Lower Upper

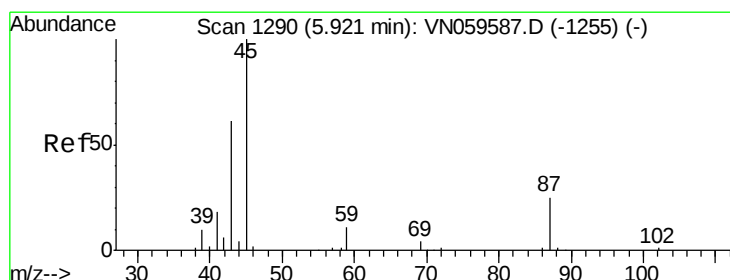
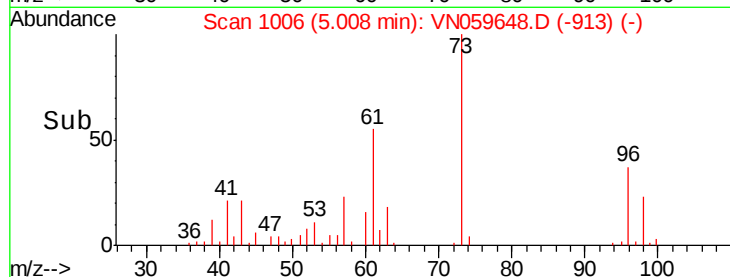
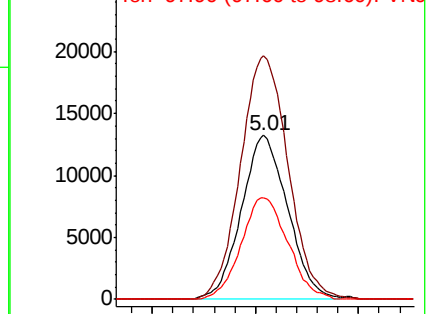
96 100

61 148.7 120.4 180.6

98 62.0 50.6 75.8



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



#22

Diisopropyl ether

Concen: 18.247 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tgt Ion: 45 Resp: 147486

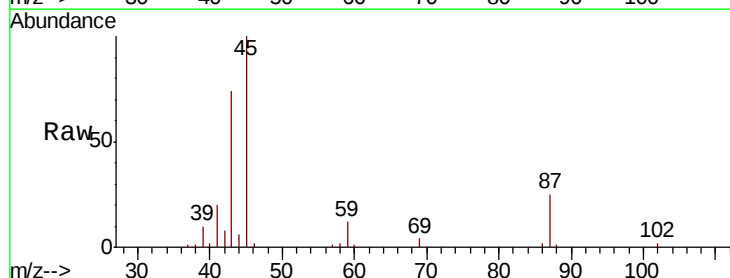
Ion Ratio Lower Upper

45 100

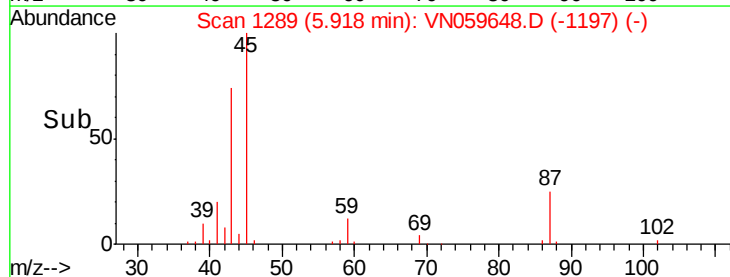
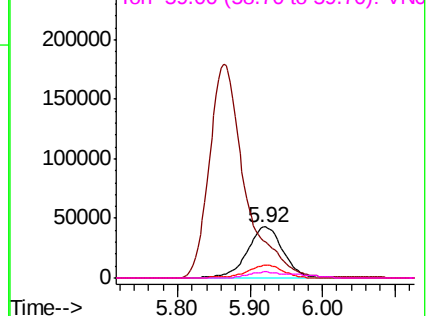
43 71.6 50.8 76.2

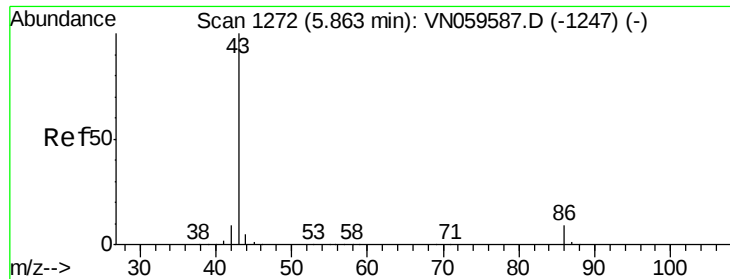
87 24.7 21.0 31.6

59 11.5 9.1 13.7



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

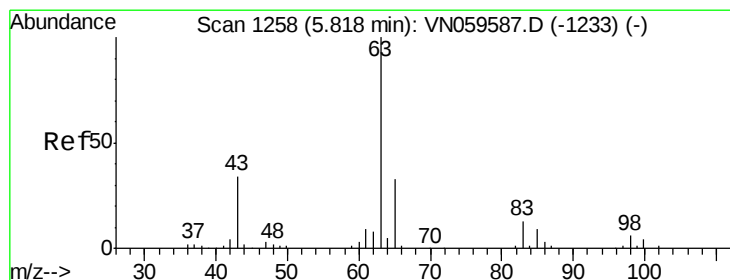
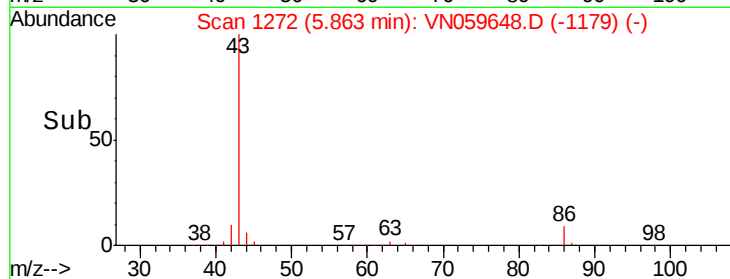
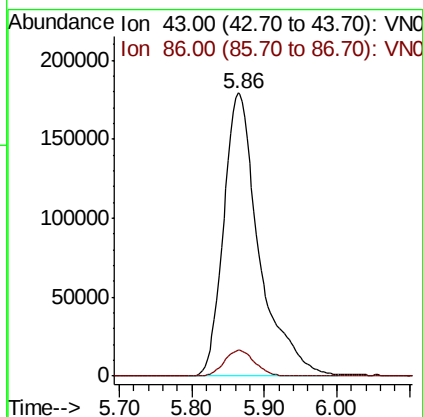
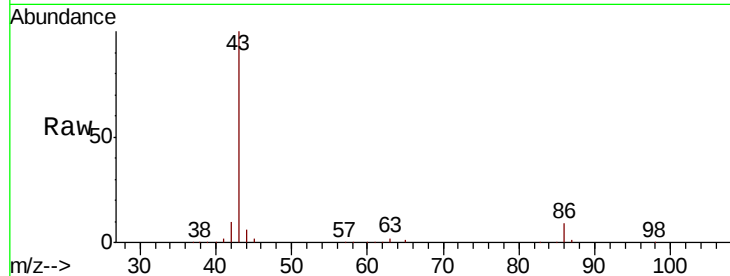




#23
 Vinyl Acetate
 Concen: 96.121 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

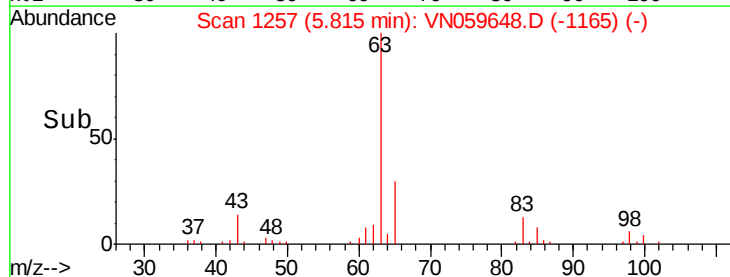
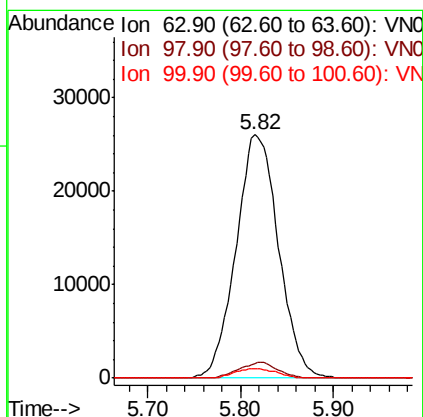
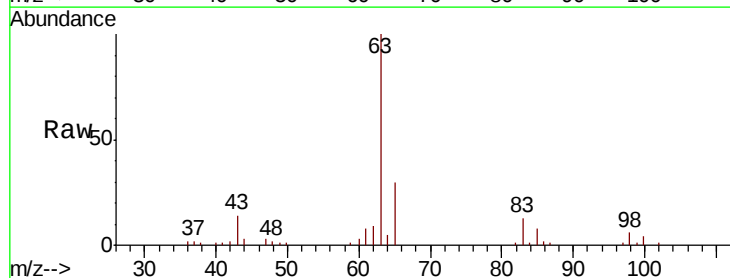
Instrument :
 MSVOA_N
 ClientSampleId :

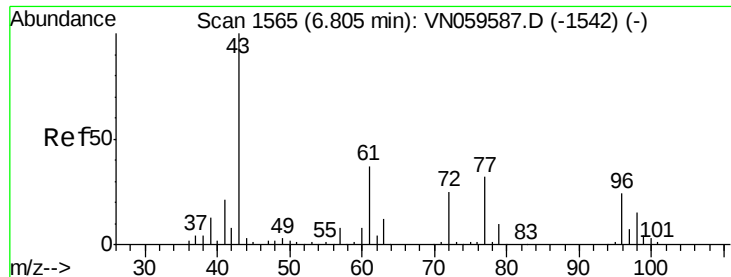
Tot Ion: 43 Resp: 609699
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 18.101 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion: 63 Resp: 82877
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 4.0 2.0 6.0

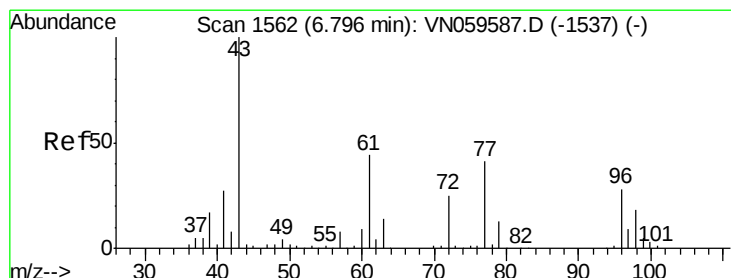
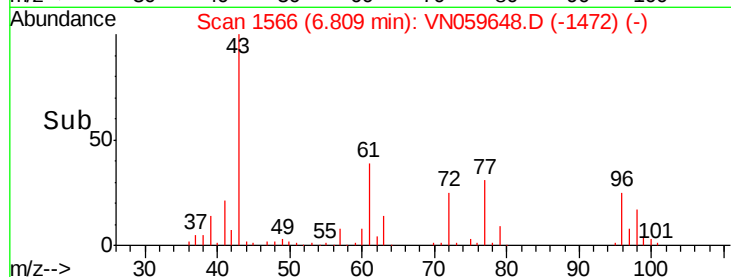
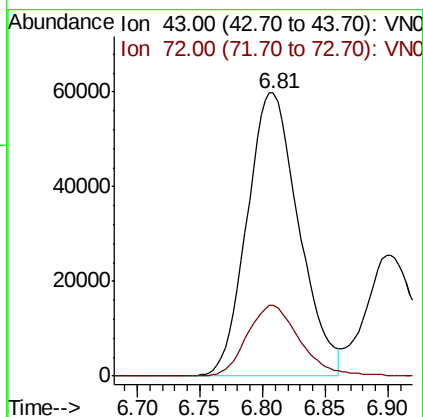
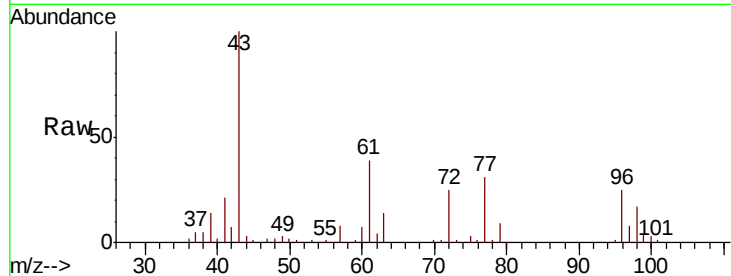




#25
2-Butanone
Concen: 81.750 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

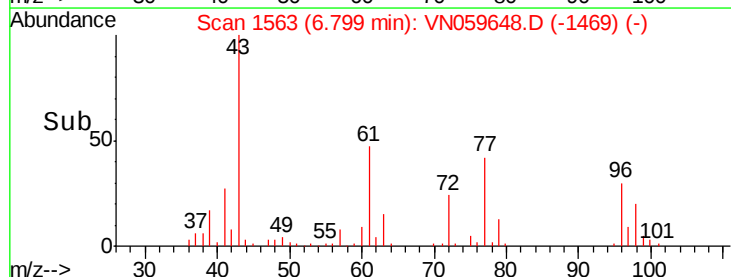
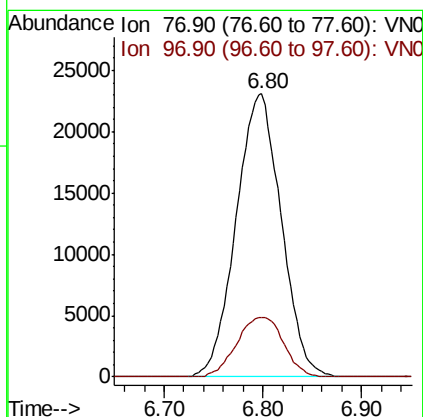
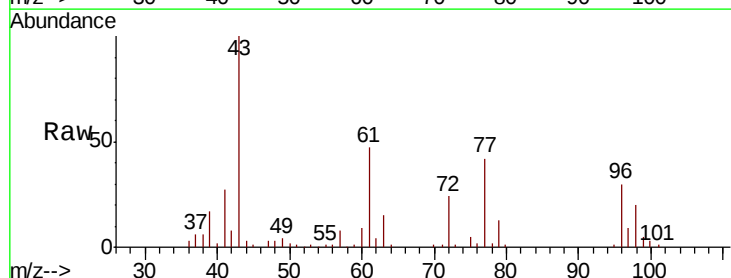
Instrument :
MSVOA_N
ClientSampled :

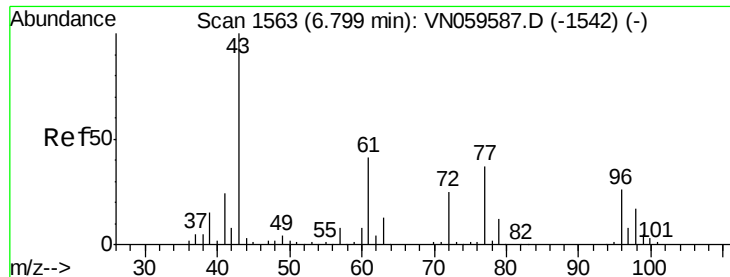
Tot Ion: 43 Resp: 171967
Ion Ratio Lower Upper
43 100
72 25.1 19.9 29.9



#26
2,2-Dichloropropane
Concen: 17.577 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 77 Resp: 73144
Ion Ratio Lower Upper
77 100
97 21.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 17.898 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

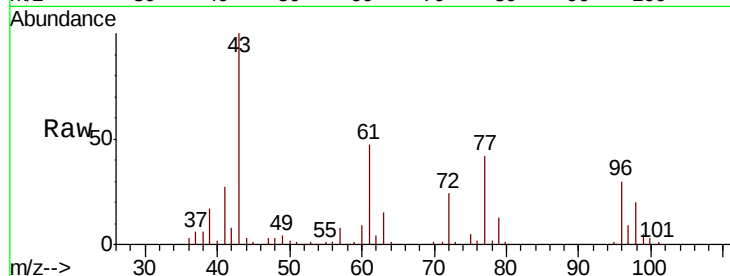
Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 47219

Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	317.6
98	65.5	0.0	127.0

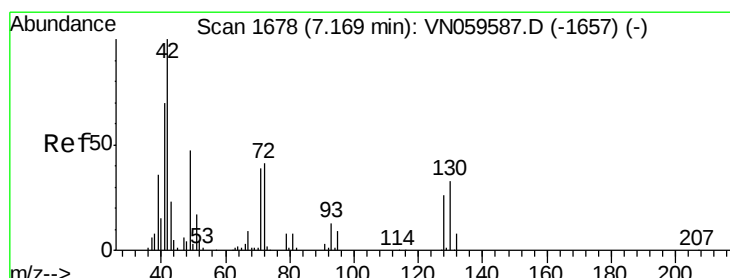
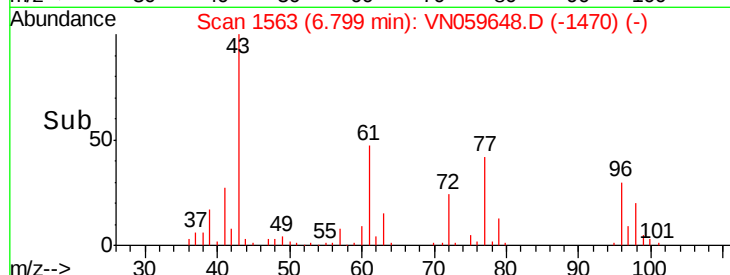
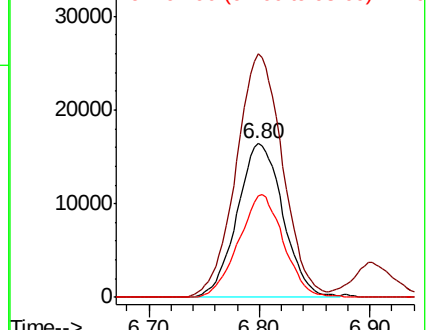


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.819 ug/l

RT: 7.17 min Scan# 1678

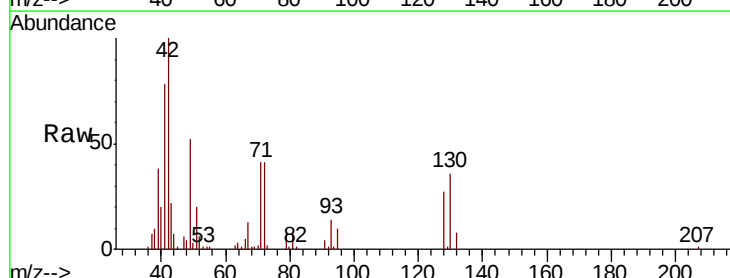
Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tgt Ion: 49 Resp: 37581

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.4
130	65.0	54.7	82.1

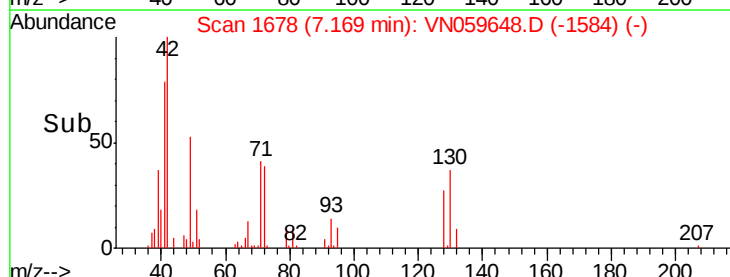
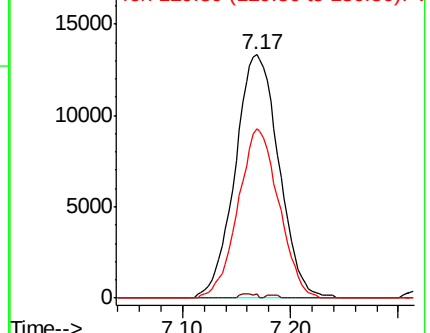


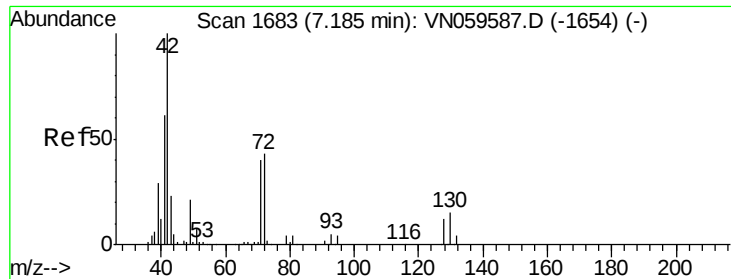
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

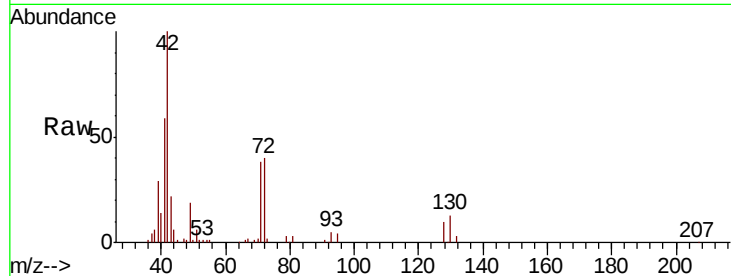




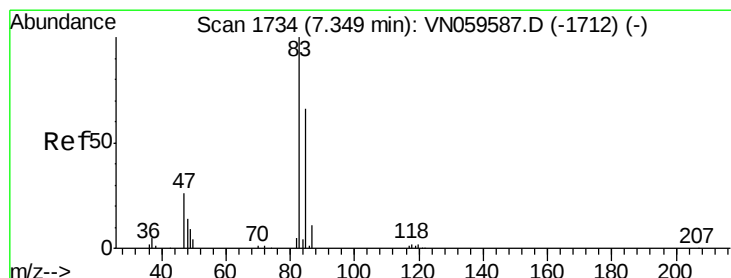
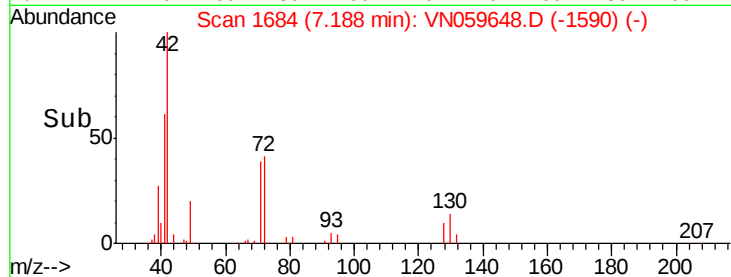
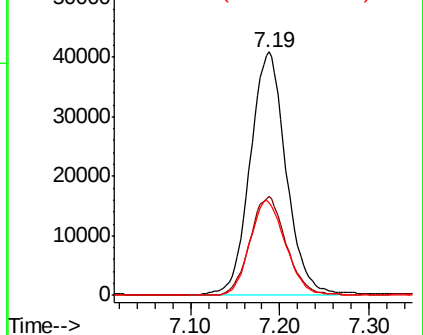
#29
Tetrahydrofuran
Concen: 89.850 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 115158
Ion Ratio Lower Upper
42 100
72 40.6 33.1 49.7
71 38.5 31.4 47.0

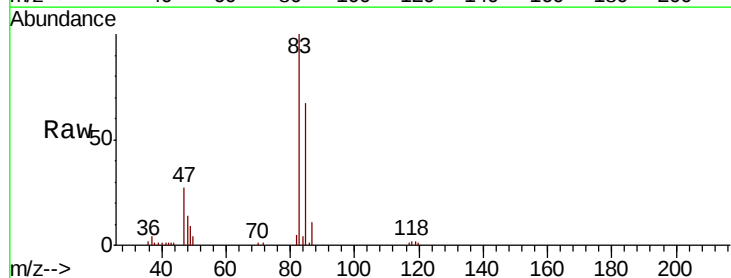


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

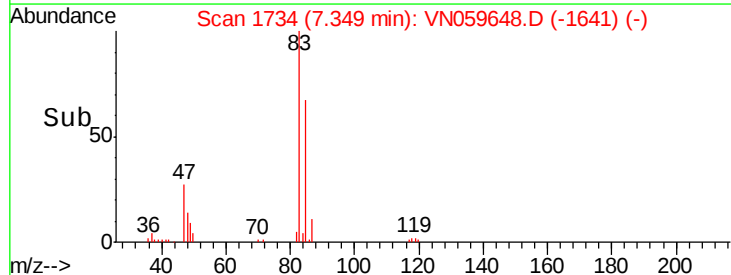
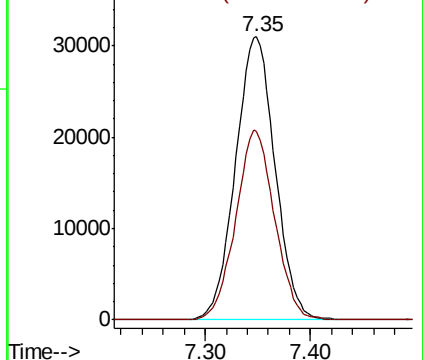


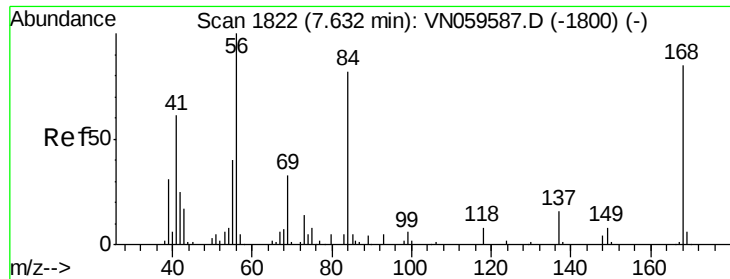
#30
Chloroform
Concen: 17.895 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 83 Resp: 80648
Ion Ratio Lower Upper
83 100
85 66.7 52.4 78.6



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

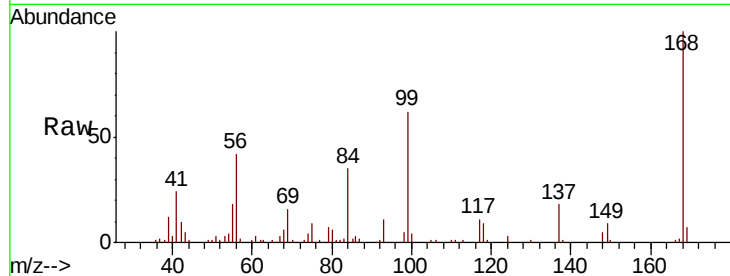




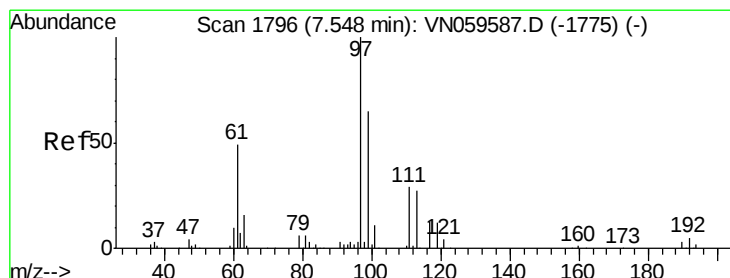
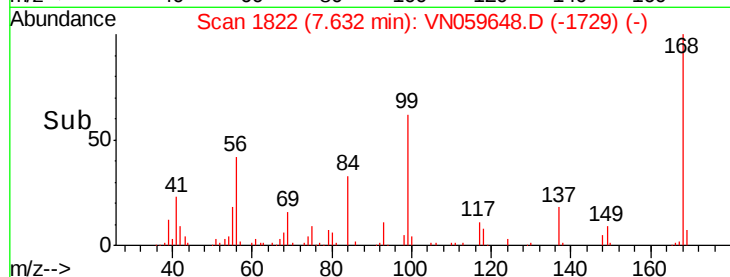
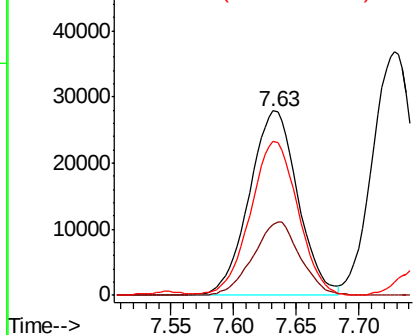
#31
Cyclohexane
Concen: 17.370 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 75144
Ion Ratio Lower Upper
56 100
69 38.7 26.5 39.7
84 82.5 65.3 97.9

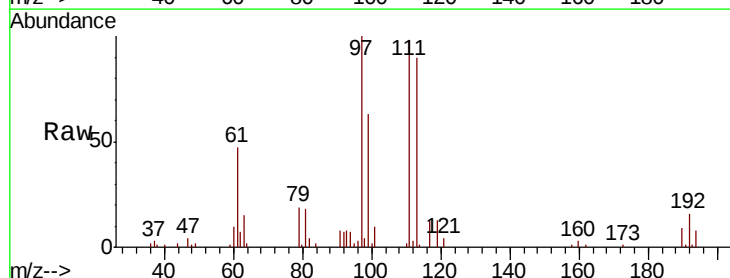


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

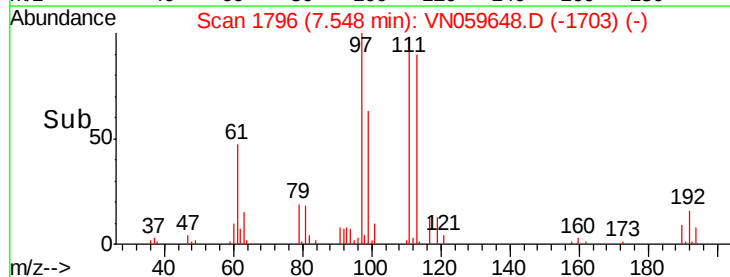
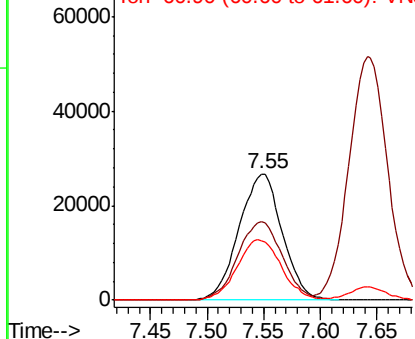


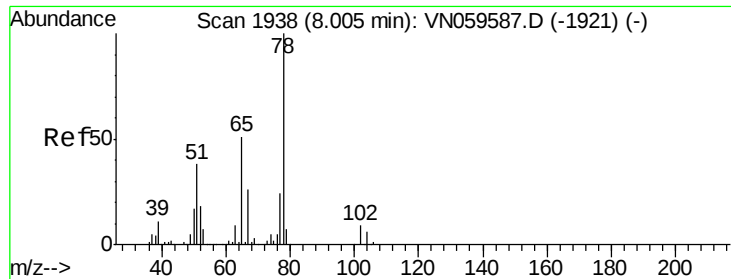
#32
1,1,1-Trichloroethane
Concen: 17.495 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 97 Resp: 71082
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.4
61 48.9 38.5 57.7



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





#33

1,2-Dichloroethane-d4

Concen: 57.941 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

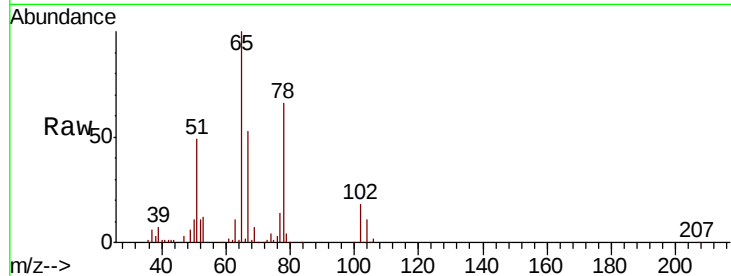
ClientSampleId :

Tot Ion: 65 Resp: 171674

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0

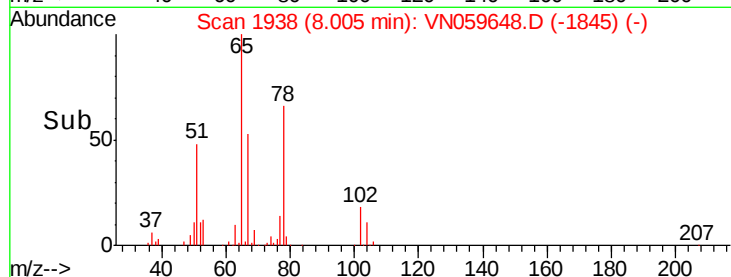


Abundance Ion 64.90 (64.60 to 65.60): VN059587.D (-1921) (-)

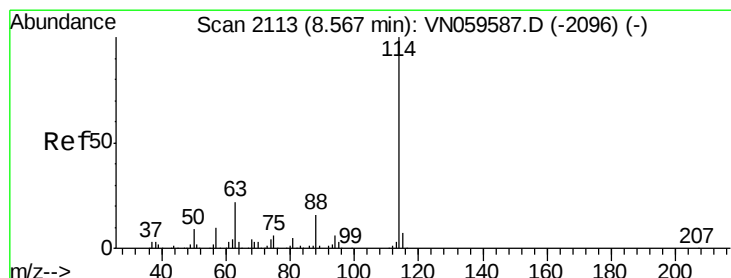
Ion 66.90 (66.60 to 67.60): VN059587.D (-1921) (-)

8.00

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

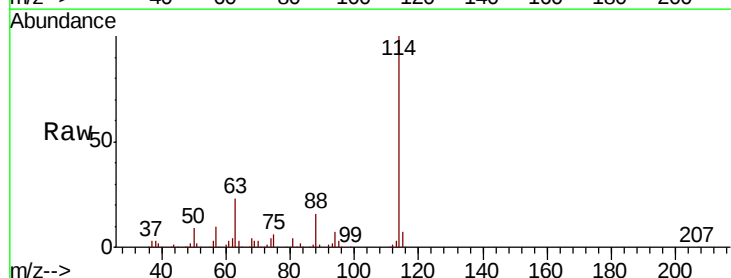
Tgt Ion: 114 Resp: 330842

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.6

88 16.4 0.0 31.4



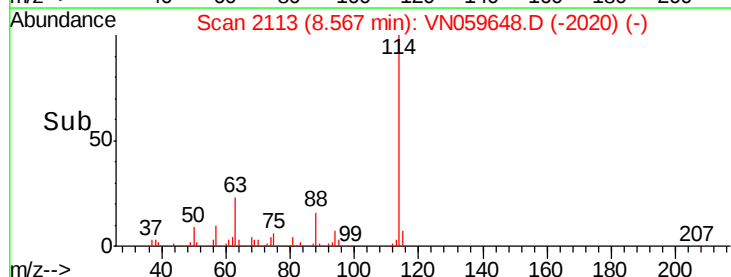
Abundance Ion 113.90 (113.60 to 114.60): VN059587.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN059587.D (-2096) (-)

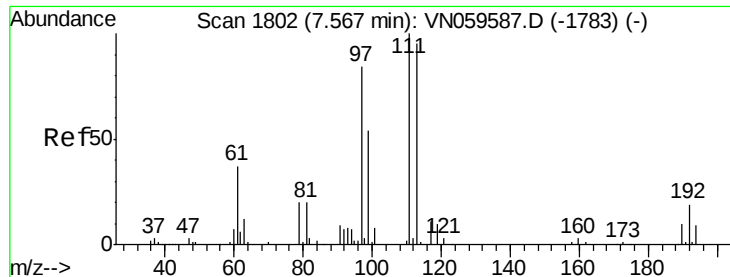
Ion 87.90 (87.60 to 88.60): VN059587.D (-2096) (-)

8.57

Time-->



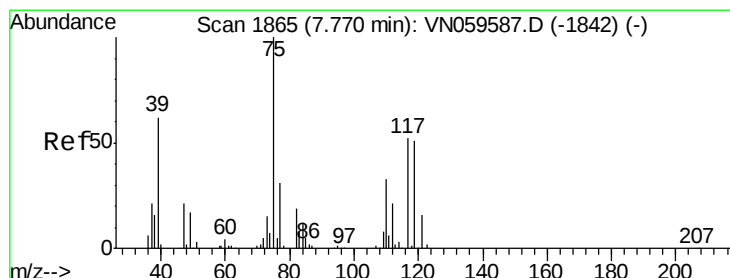
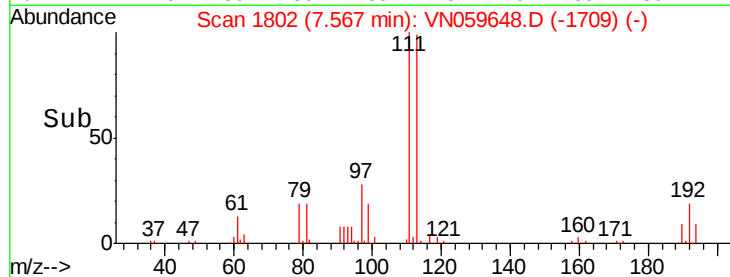
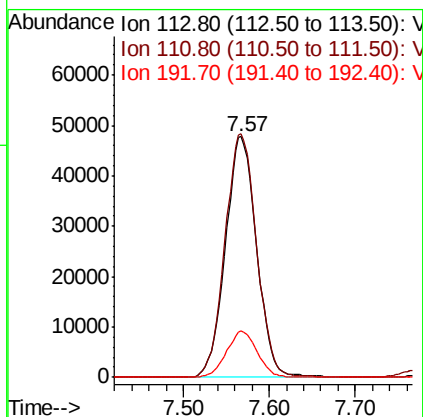
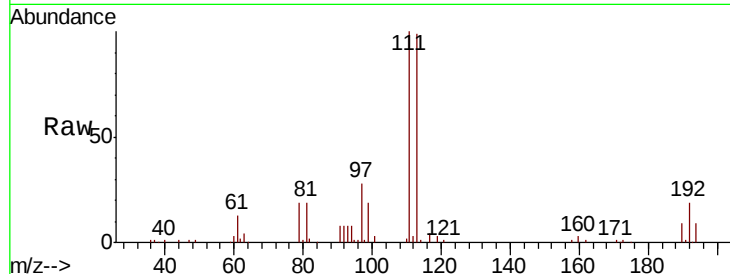
Time-->



#35
 Dibromofluoromethane
 Concen: 58.127 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

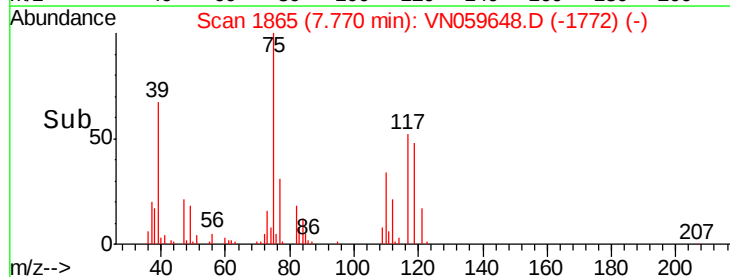
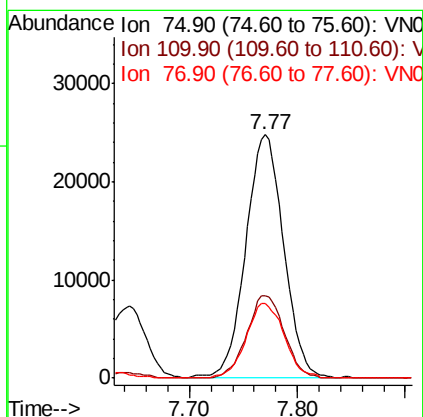
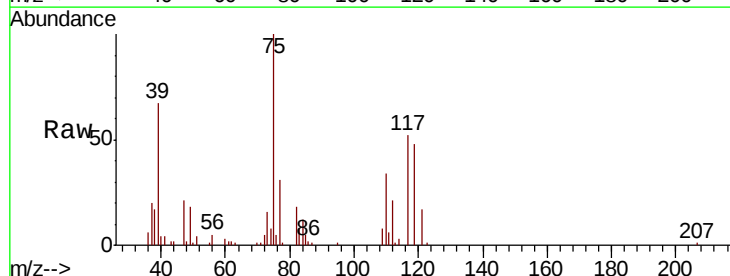
Instrument :
 MSVOA_N
 ClientSampleId :

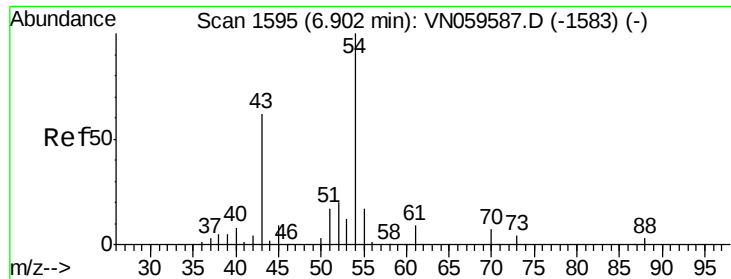
Tot Ion:113 Resp: 120326
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.5 125.3
 192 18.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 17.509 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion: 75 Resp: 60410
 Ion Ratio Lower Upper
 75 100
 110 33.5 16.6 49.7
 77 31.0 25.1 37.7

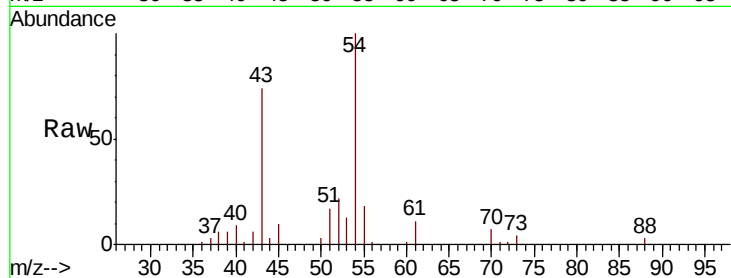




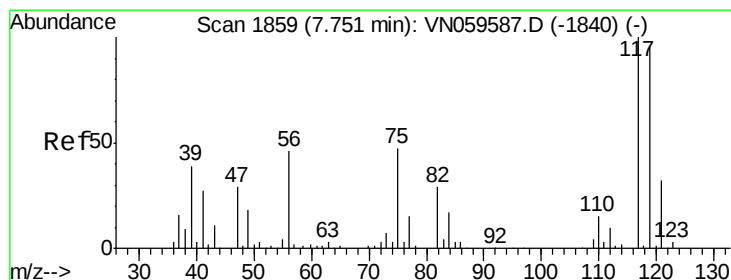
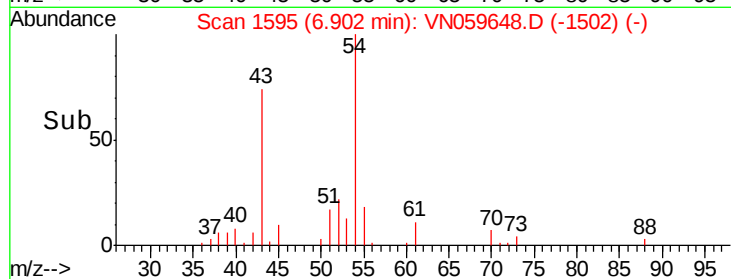
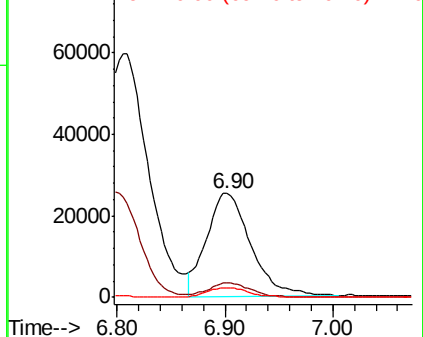
#37
Ethyl Acetate
Concen: 17.855 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 71600
Ion Ratio Lower Upper
43 100
61 13.8 10.9 16.3
70 9.1 7.7 11.5

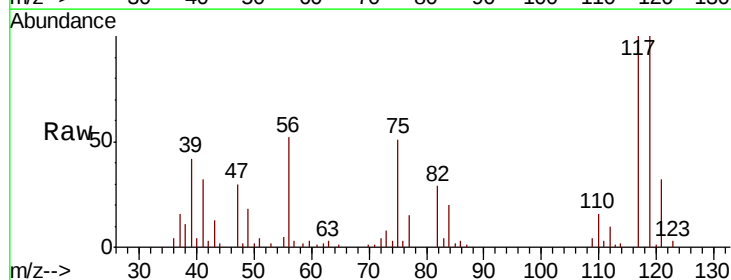


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

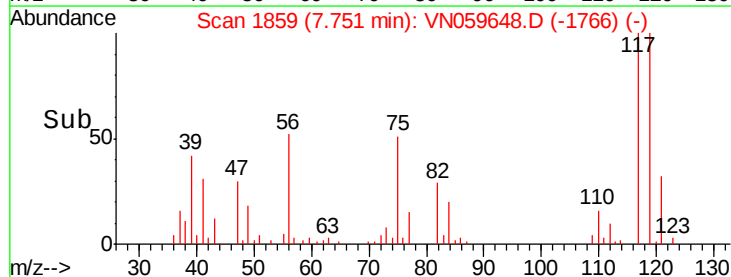
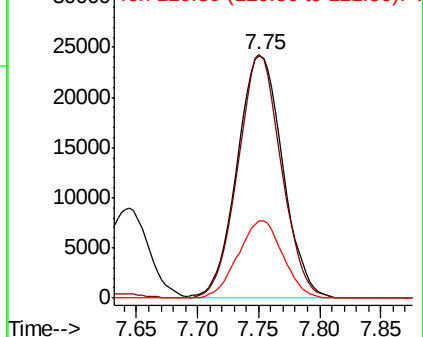


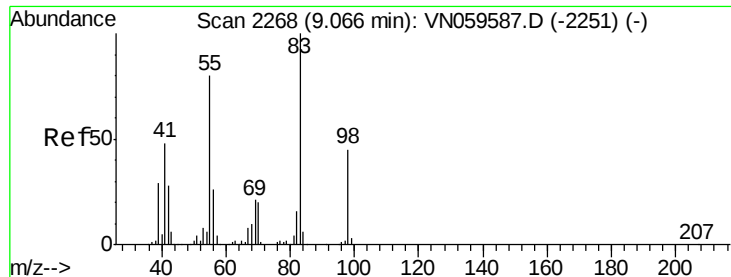
#38
Carbon Tetrachloride
Concen: 17.477 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 117 Resp: 62570
Ion Ratio Lower Upper
117 100
119 100.4 76.5 114.7
121 31.8 25.1 37.7



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

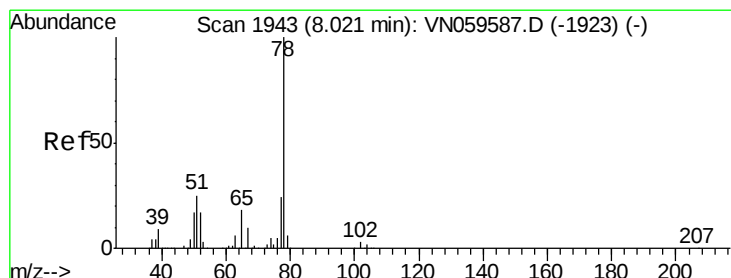
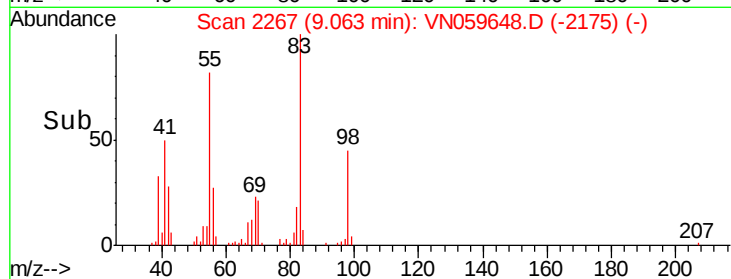
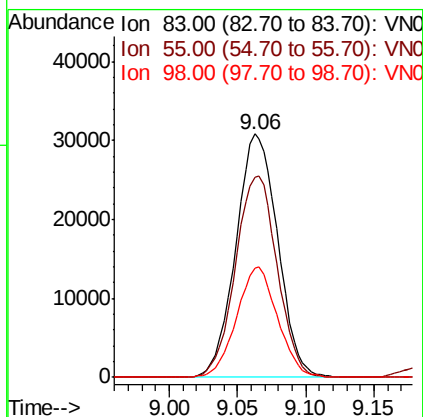
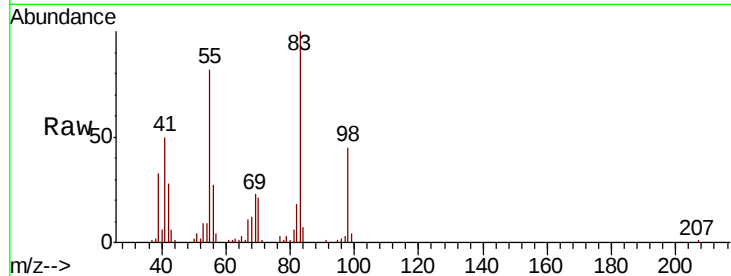




#39
Methvlcvclohexane
Concen: 16.743 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

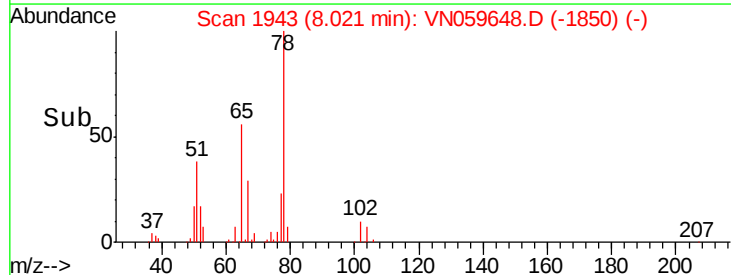
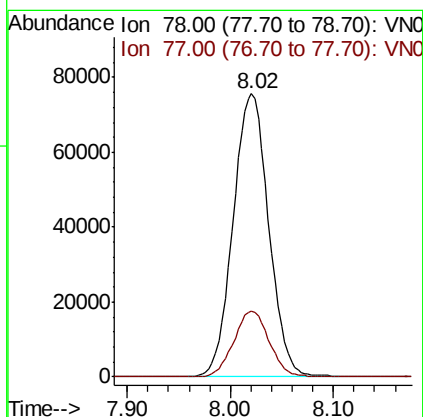
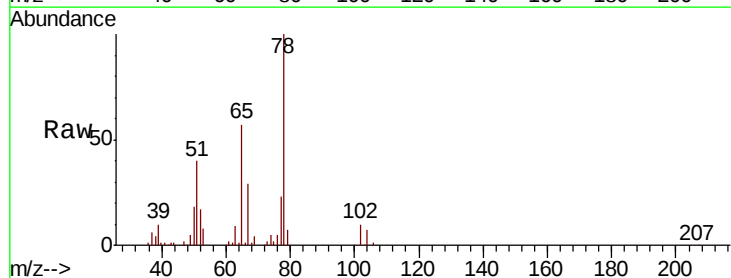
Instrument :
MSVOA_N
ClientSampled :

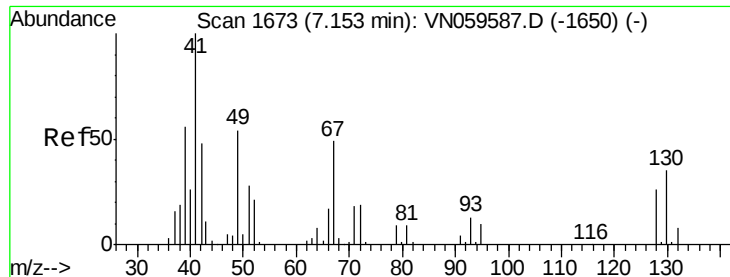
Tot Ion: 83 Resp: 65523
Ion Ratio Lower Upper
83 100
55 82.0 64.2 96.2
98 44.7 35.9 53.9



#40
Benzene
Concen: 17.998 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 78 Resp: 181470
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3

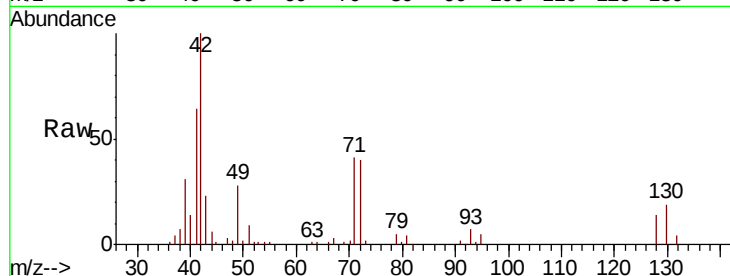




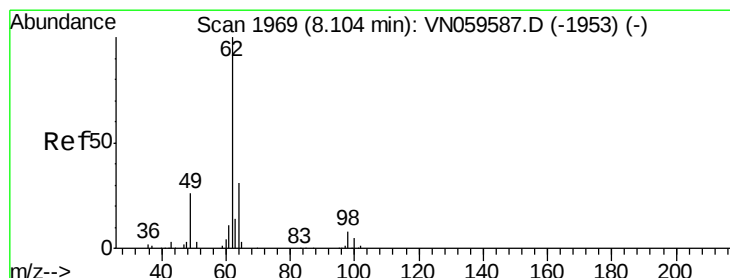
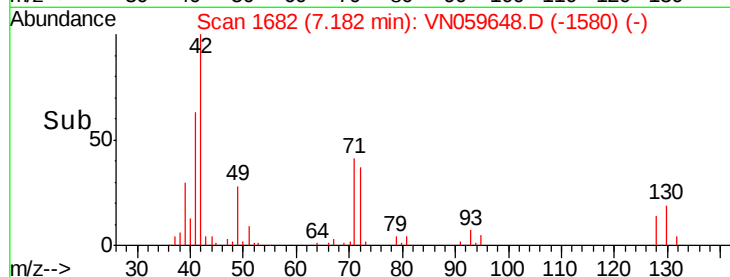
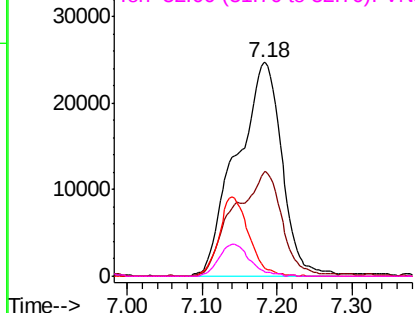
#41
Methacrylonitrile
Concen: 63.061 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	104362
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

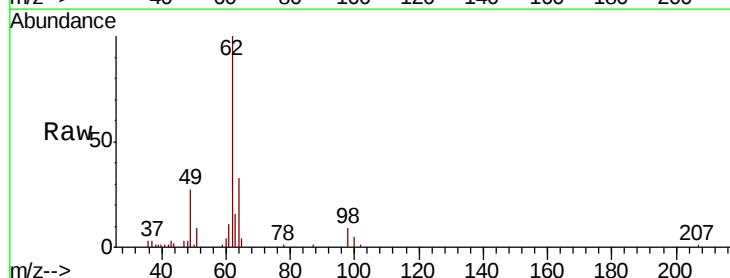


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

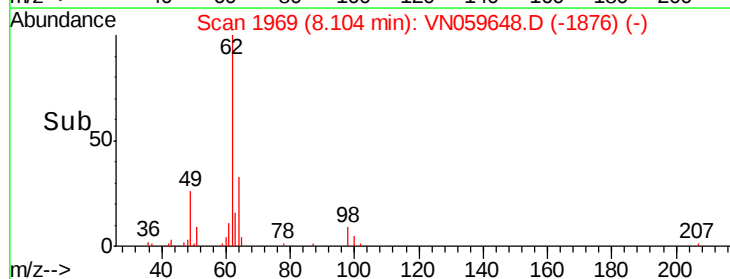
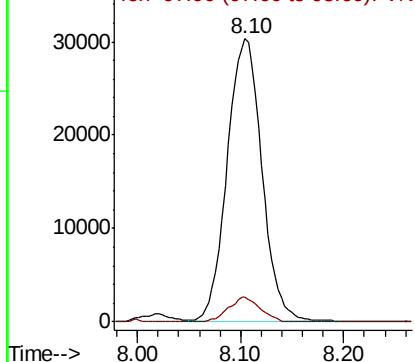


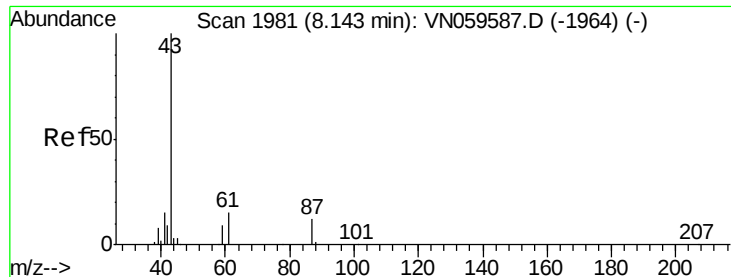
#42
1,2-Dichloroethane
Concen: 18.524 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion:	62	Resp:	71528
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8



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

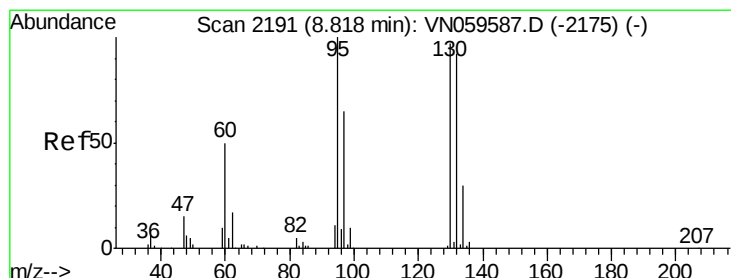
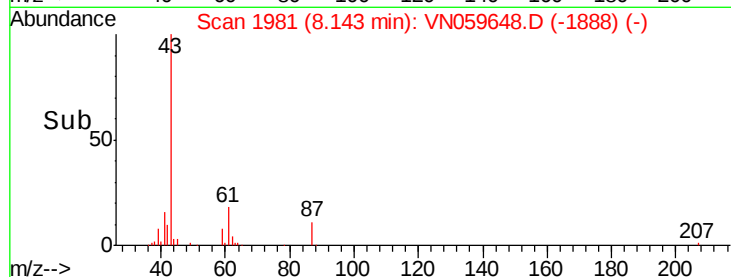
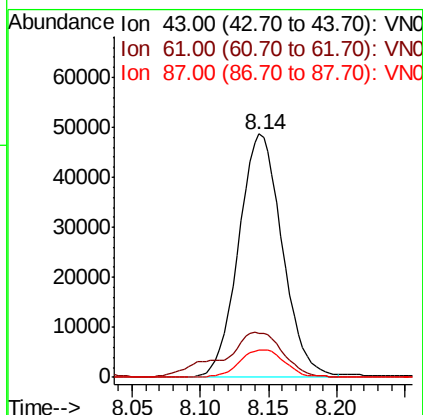
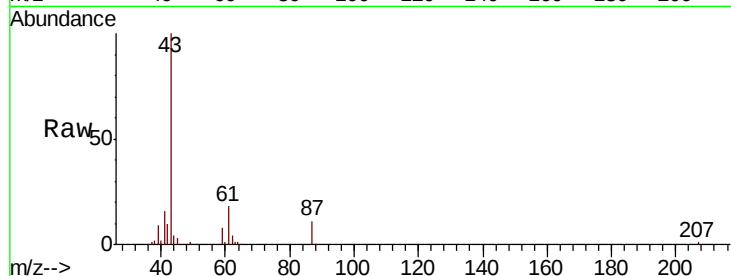




#43
Isopropyl Acetate
Concen: 17.170 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

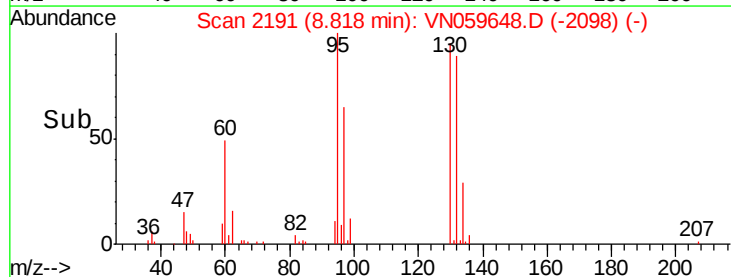
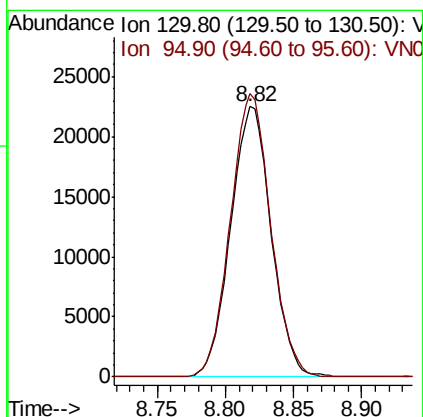
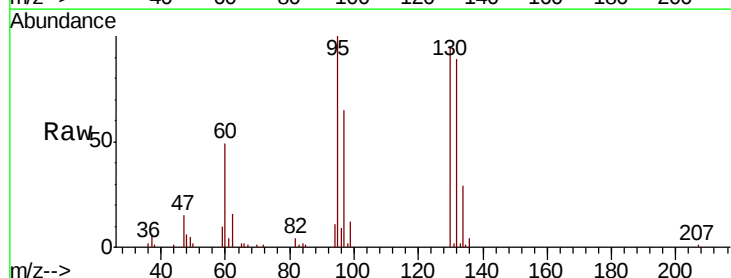
Instrument :
MSVOA_N
ClientSampleId :

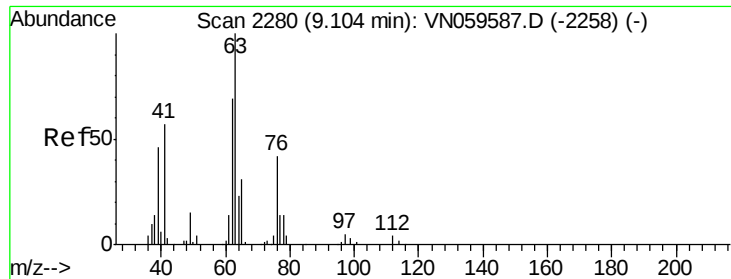
Tot Ion: 43 Resp: 107044
Ion Ratio Lower Upper
43 100
61 25.8 20.2 30.2
87 11.8 9.5 14.3



#44
Trichloroethene
Concen: 17.507 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion:130 Resp: 46236
Ion Ratio Lower Upper
130 100
95 104.8 0.0 207.0

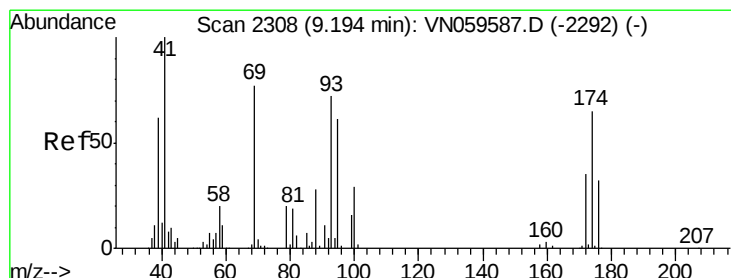
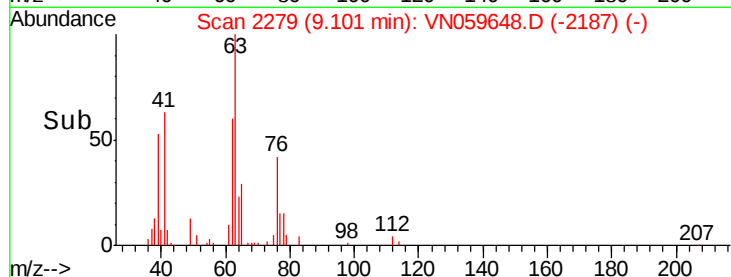
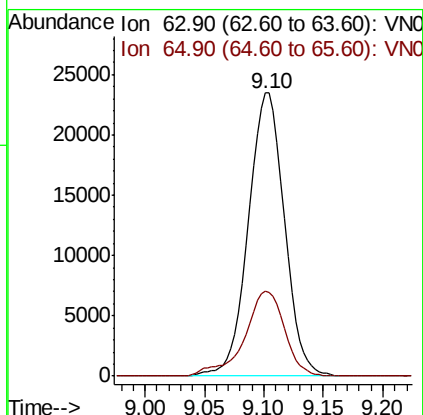
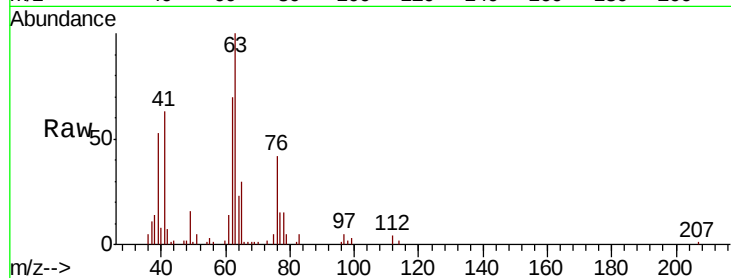




#45
 1,2-Dichloropropane
 Concen: 18.145 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

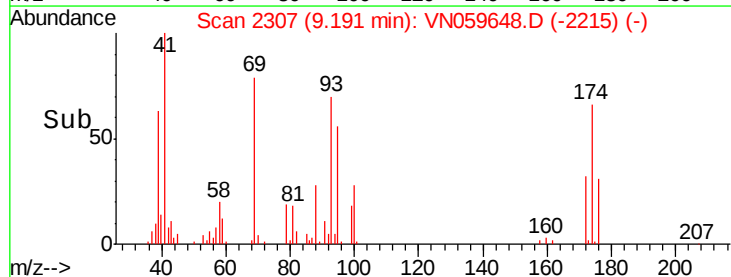
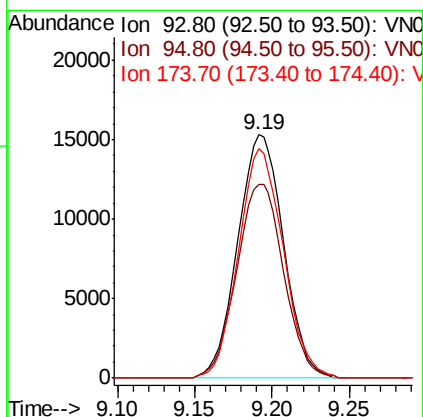
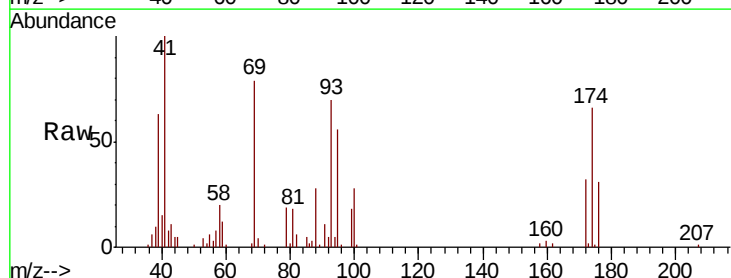
Instrument :
 MSVOA_N
 ClientSampled :

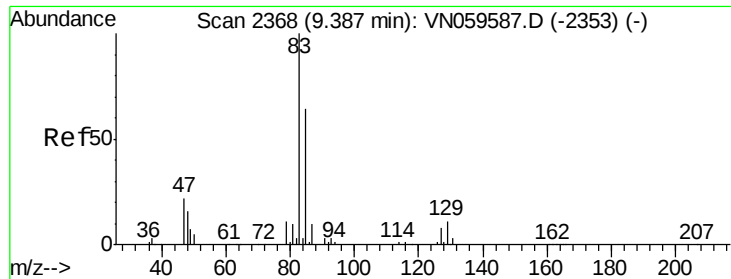
Tot Ion: 63 Resp: 49404
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.9 37.3



#46
 Dibromomethane
 Concen: 17.677 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion: 93 Resp: 31533
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.6
 174 92.3 73.4 110.2

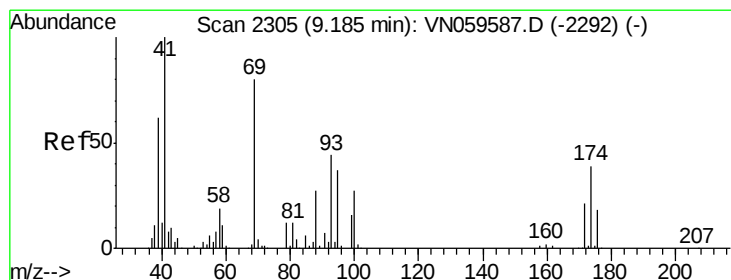
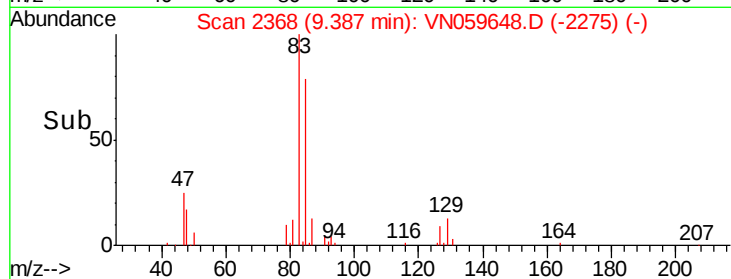
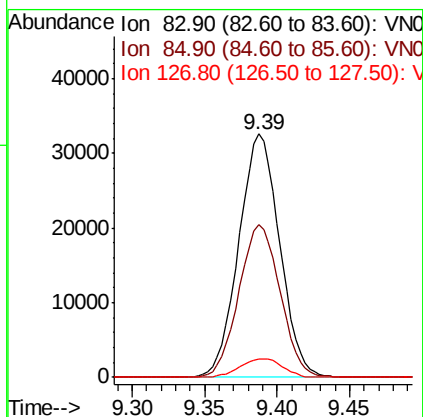
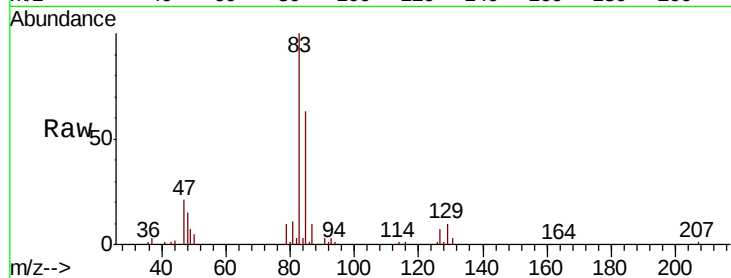




#47
Bromodichloromethane
Concen: 17.969 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

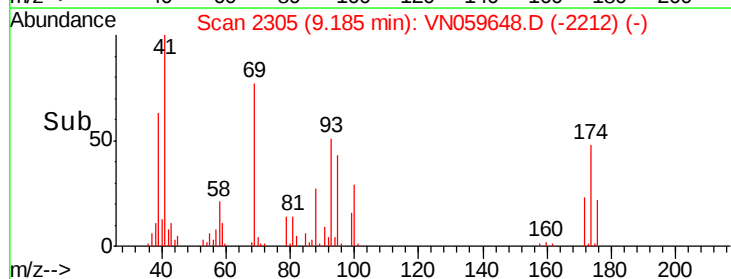
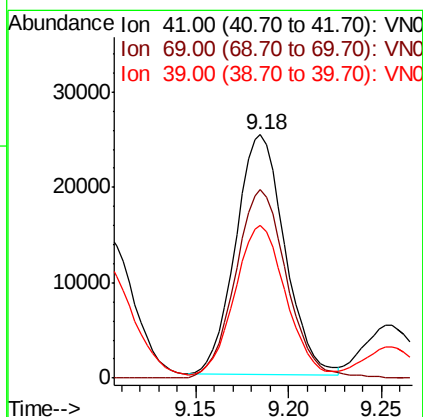
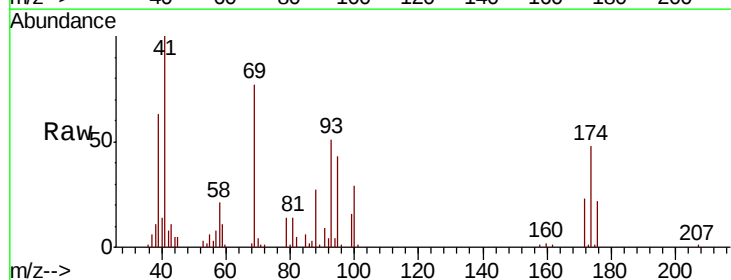
Instrument :
MSVOA_N
ClientSampleId :

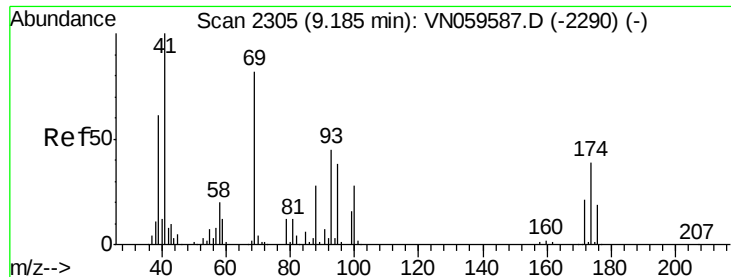
Tot Ion: 83 Resp: 63905
Ion Ratio Lower Upper
83 100
85 62.5 51.1 76.7
127 7.3 6.6 9.8



#48
Methyl methacrylate
Concen: 16.400 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 41 Resp: 46390
Ion Ratio Lower Upper
41 100
69 82.4 64.4 96.6
39 67.2 51.3 76.9

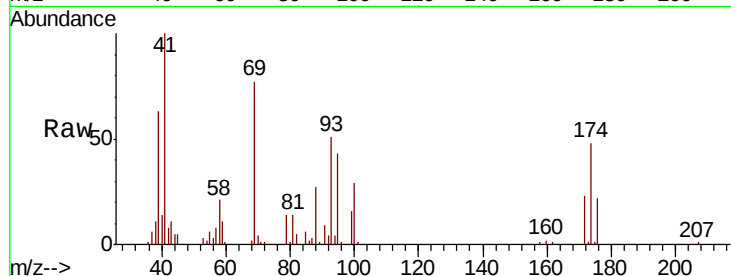




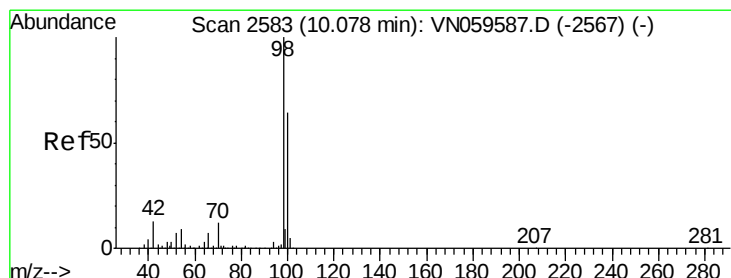
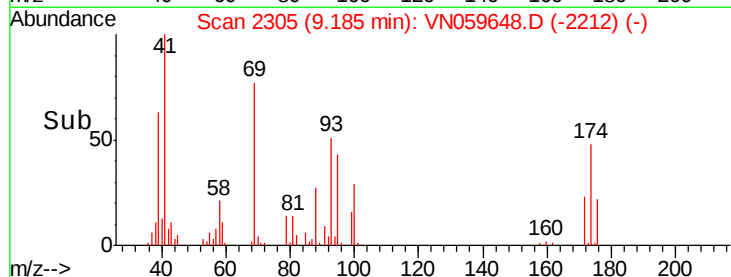
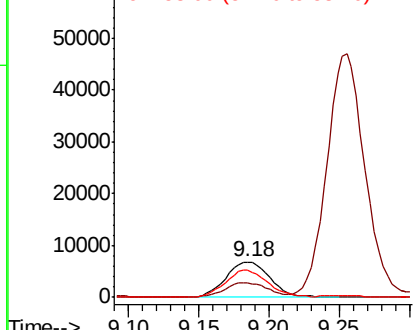
#49
1,4-Dioxane
Concen: 367.825 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 14910
Ion Ratio Lower Upper
88 100
43 40.5 29.7 44.5
58 74.4 56.6 85.0

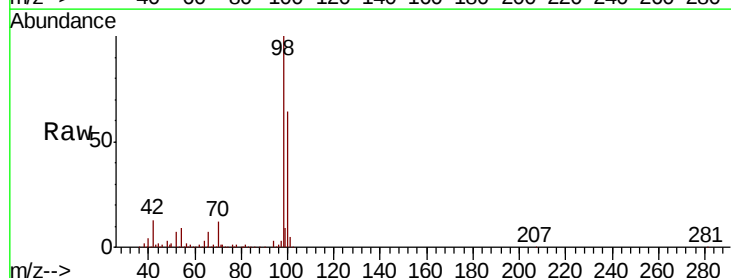


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

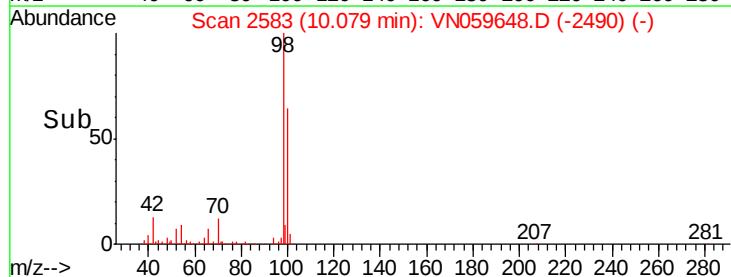
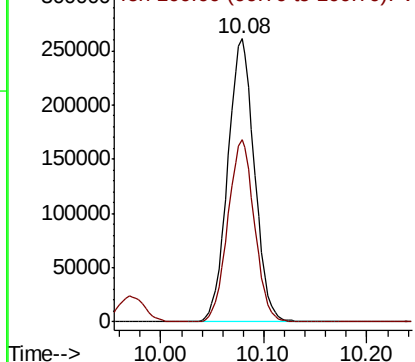


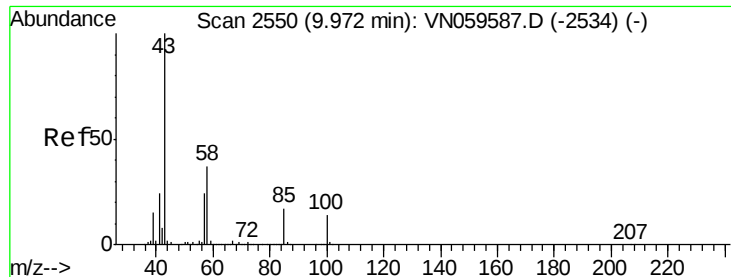
#50
Toluene-d8
Concen: 57.356 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 98 Resp: 470064
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

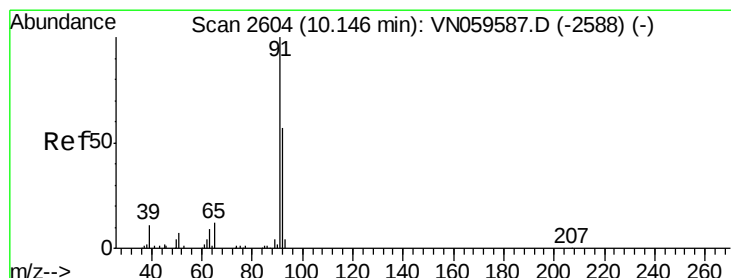
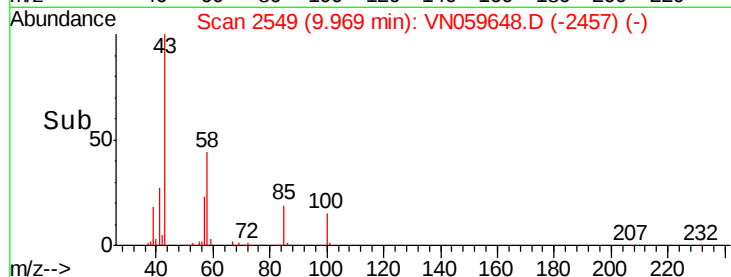
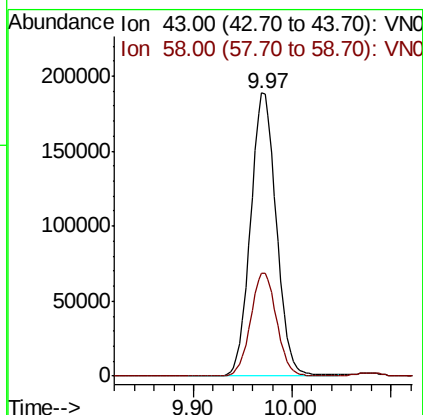
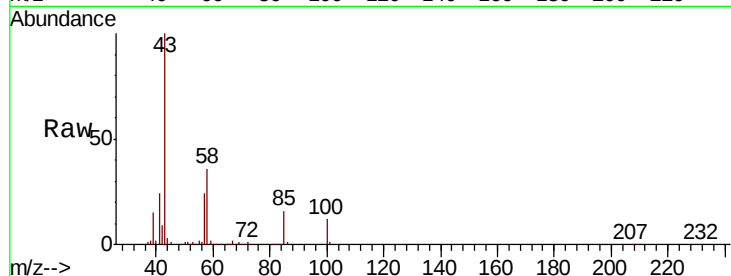




#51
4-Methyl-2-Pentanone
Concen: 91.111 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

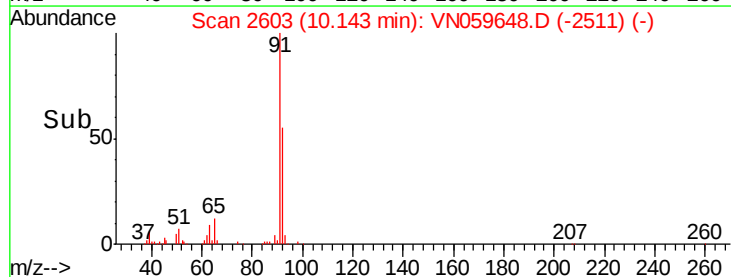
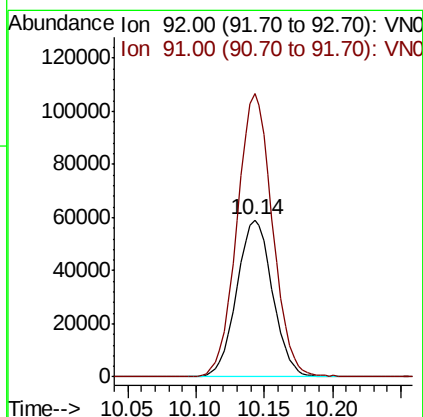
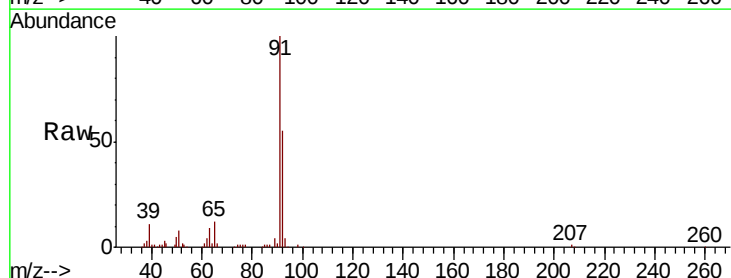
Instrument :
MSVOA_N
ClientSampled :

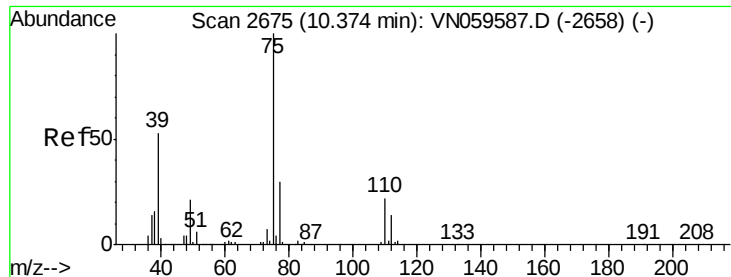
Tot Ion: 43 Resp: 338678
Ion Ratio Lower Upper
43 100
58 36.8 29.8 44.8



#52
Toluene
Concen: 17.393 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 92 Resp: 107755
Ion Ratio Lower Upper
92 100
91 178.3 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 17.316 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

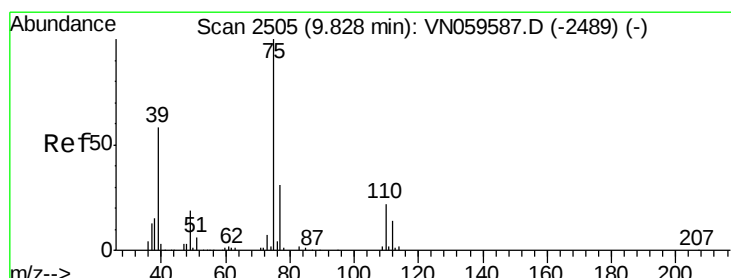
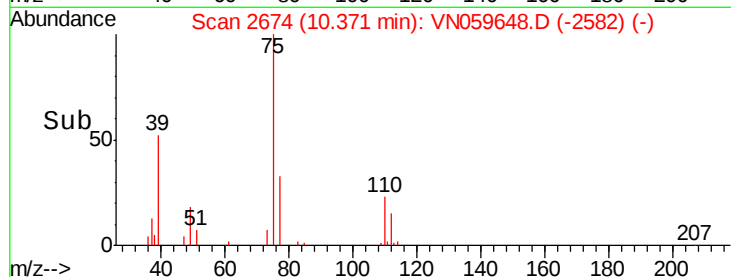
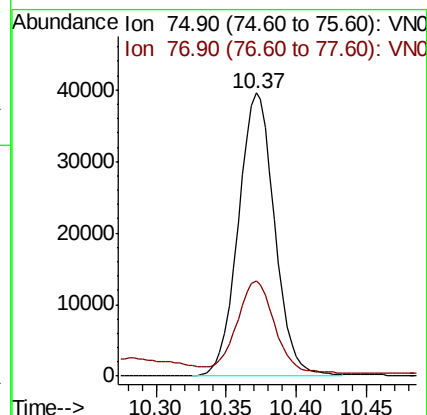
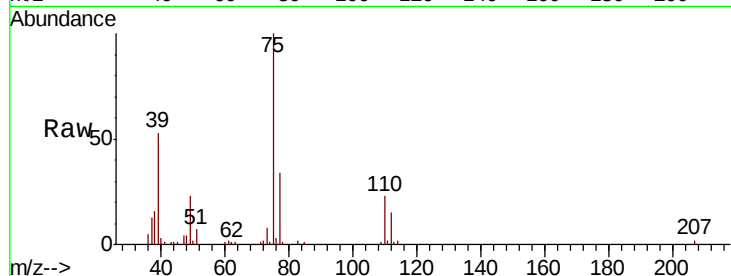
ClientSampleId :

Tot Ion: 75 Resp: 71221

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 17.490 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

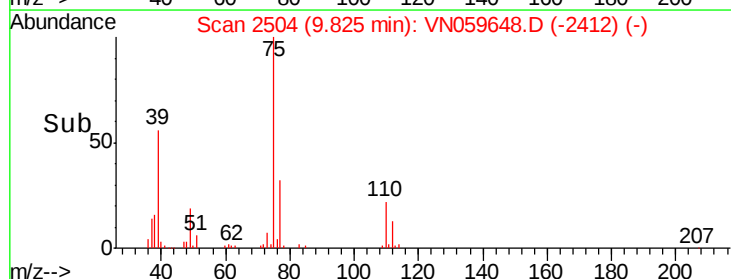
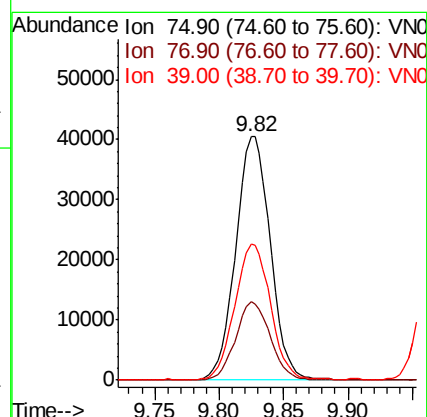
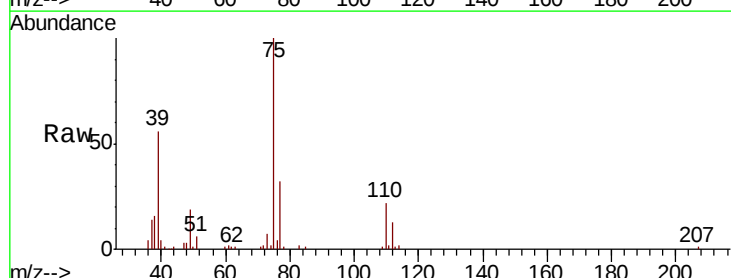
Tgt Ion: 75 Resp: 75618

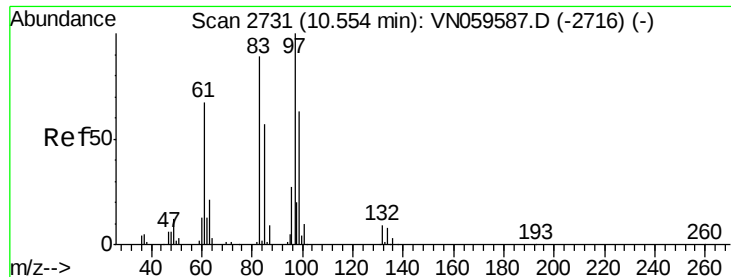
Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

39 56.1 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 18.043 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 43863

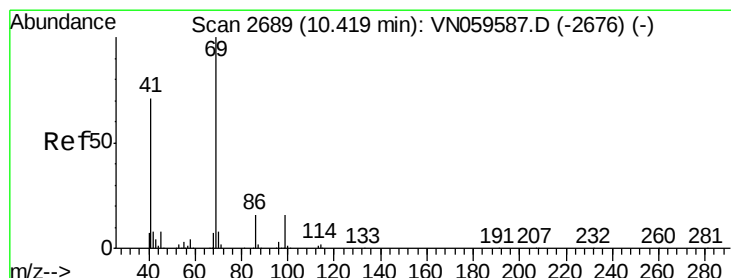
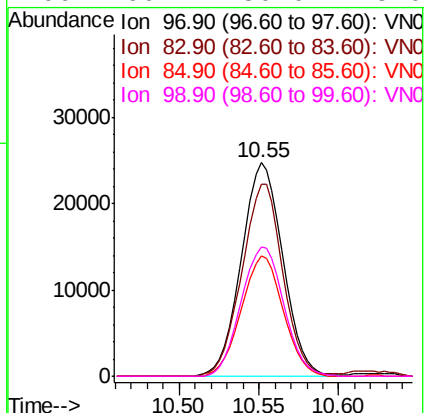
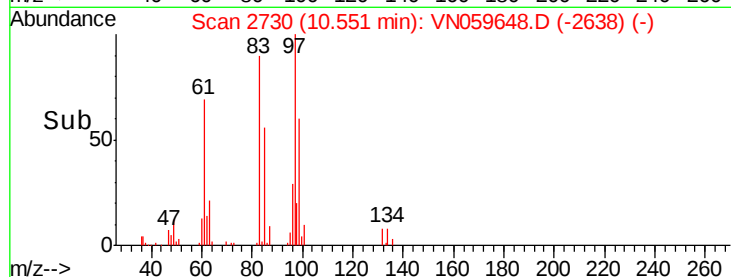
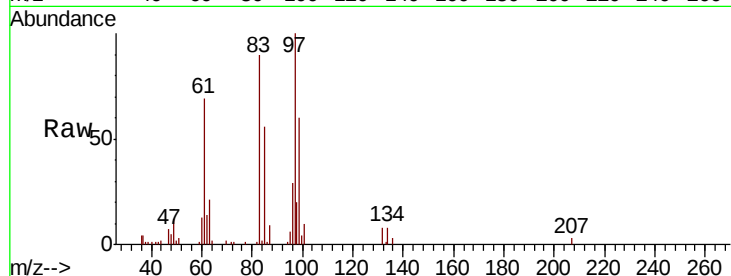
Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.3	106.9
85	56.2	45.8	68.8
99	60.4	50.0	75.0

97 100

83 90.2 71.3 106.9

85 56.2 45.8 68.8

99 60.4 50.0 75.0



#56

Ethyl methacrylate

Concen: 16.851 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

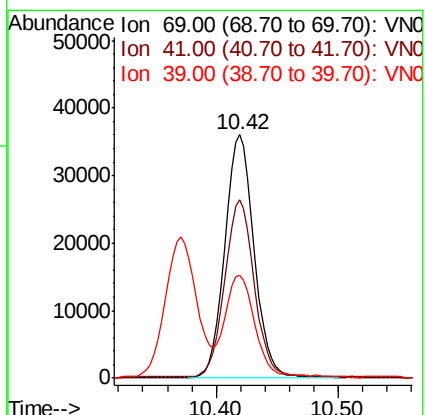
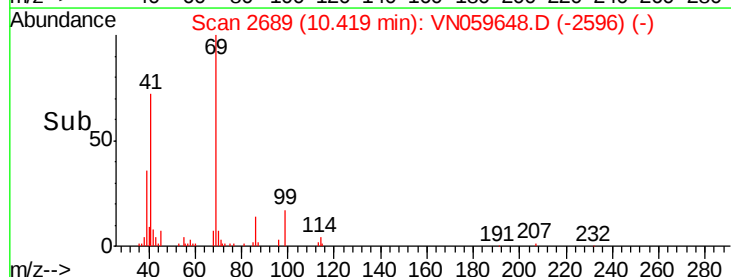
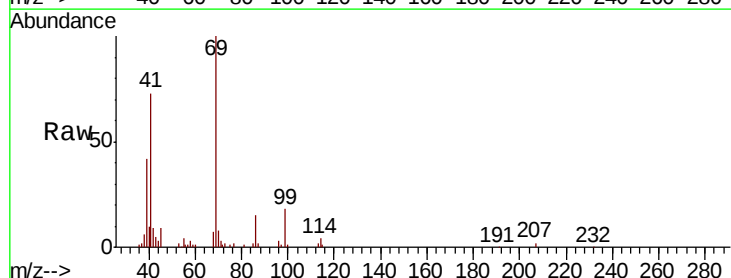
Tgt Ion: 69 Resp: 60813

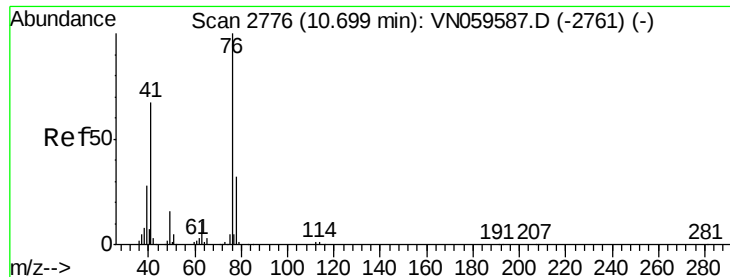
Ion	Ratio	Lower	Upper
69	100		
41	73.0	57.1	85.7
39	43.3	34.7	52.1

69 100

41 73.0 57.1 85.7

39 43.3 34.7 52.1





#57

1,3-Dichloropropane

Concen: 18.131 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

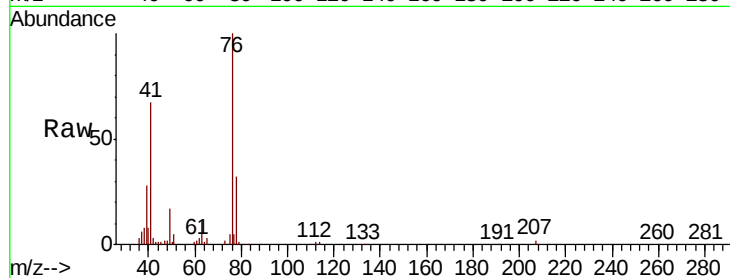
ClientSampleId :

Tot Ion: 76 Resp: 76746

Ion Ratio Lower Upper

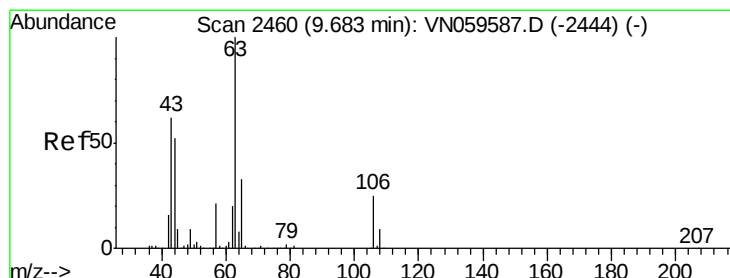
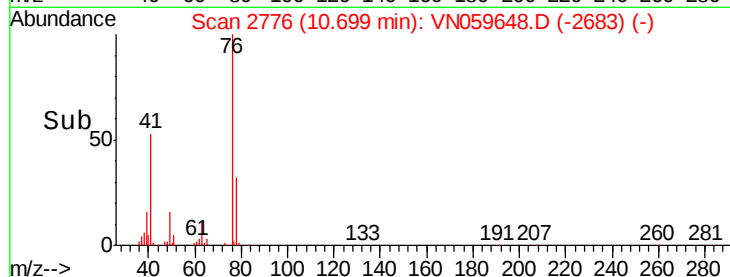
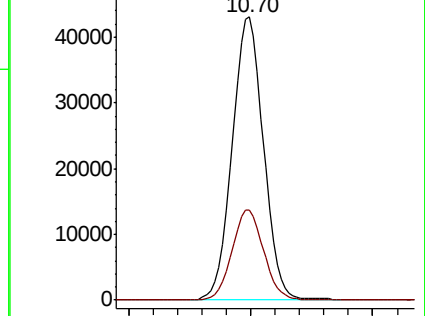
76 100

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: 90.845 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059648.D

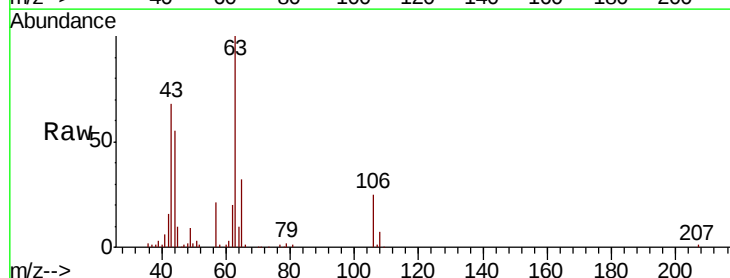
Acq: 18 Dec 2019 14:16

Tgt Ion: 63 Resp: 104271

Ion Ratio Lower Upper

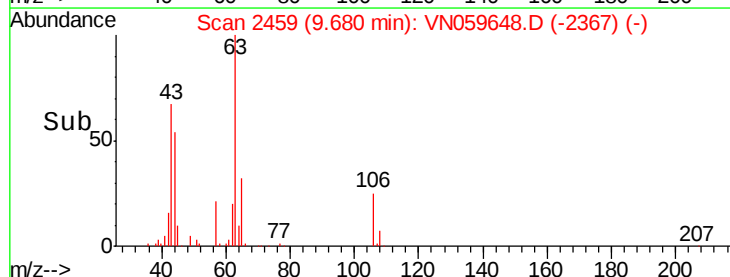
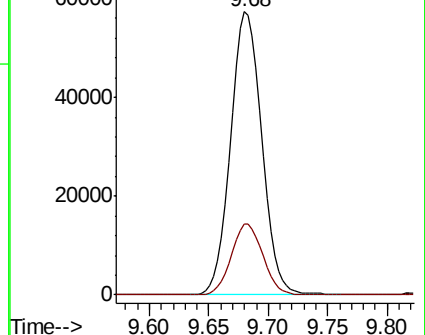
63 100

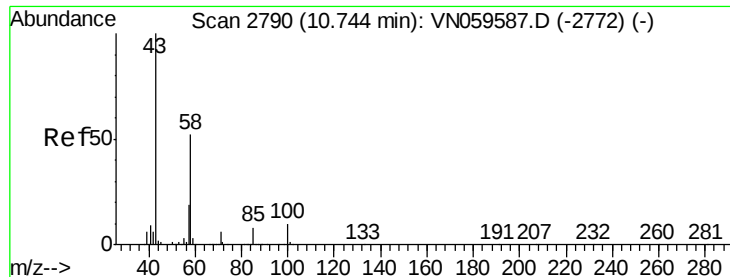
106 25.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

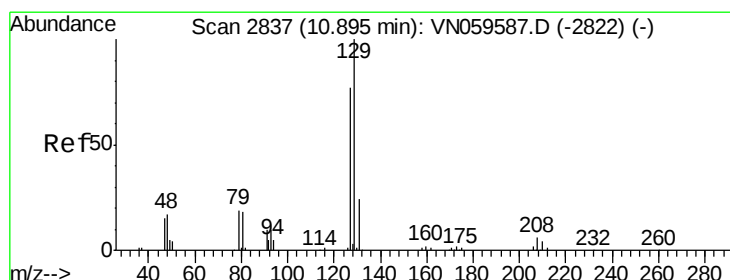
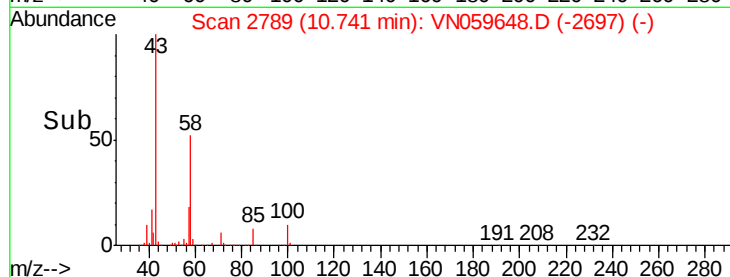
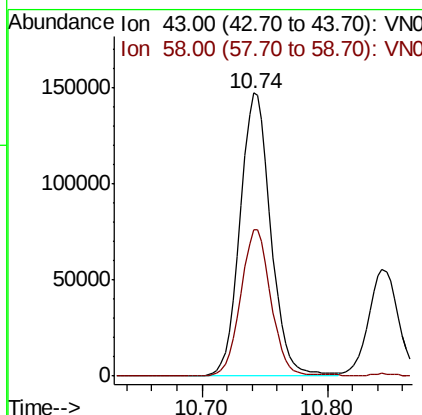
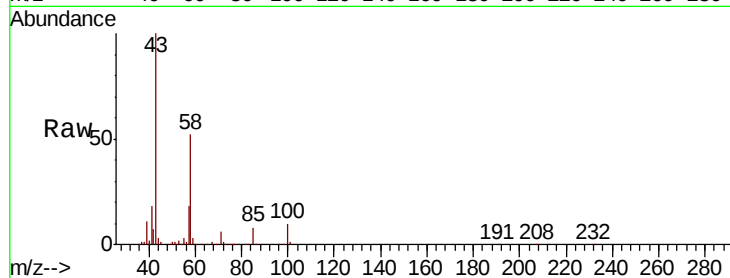




#59
2-Hexanone
Concen: 85.314 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

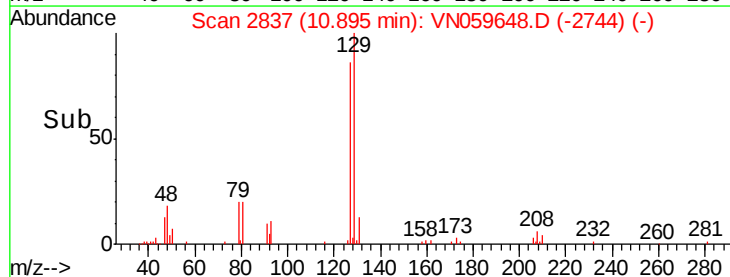
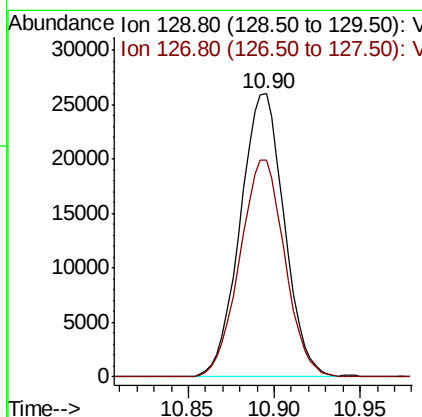
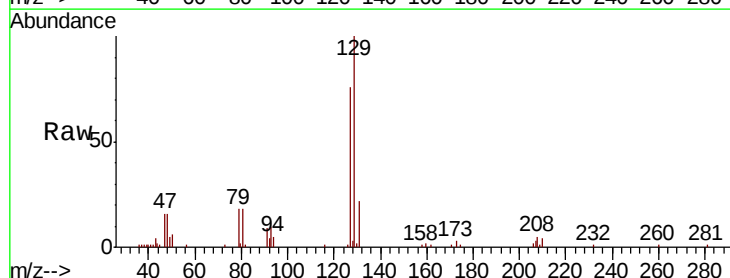
Instrument :
MSVOA_N
ClientSampleId :

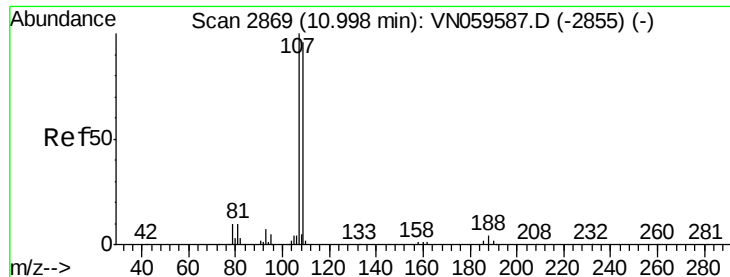
Tot Ion: 43 Resp: 249940
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3



#60
Dibromochloromethane
Concen: 17.402 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 129 Resp: 46171
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5

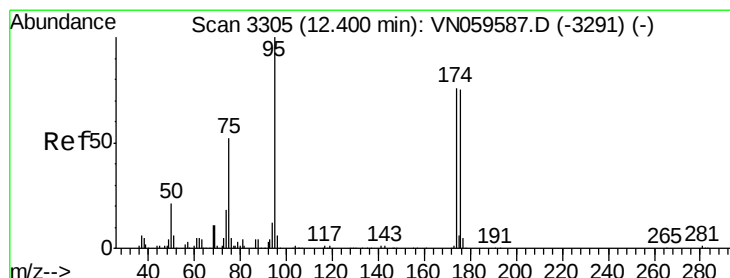
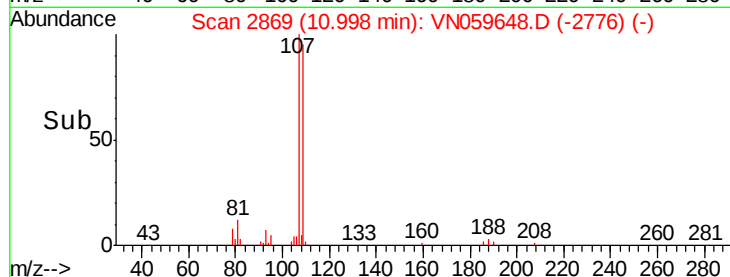
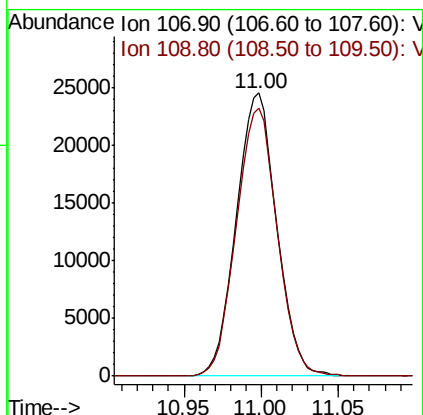
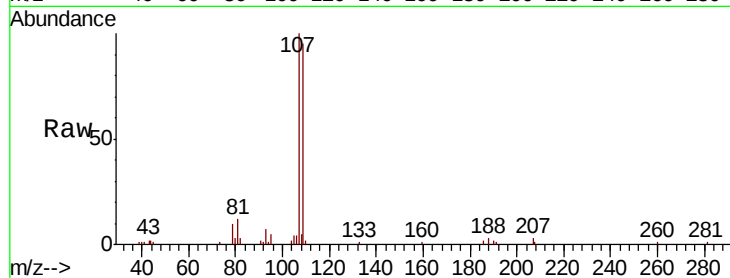




#61
 1,2-Dibromoethane
 Concen: 17.249 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

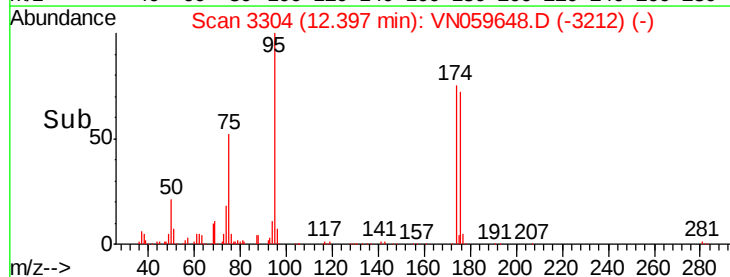
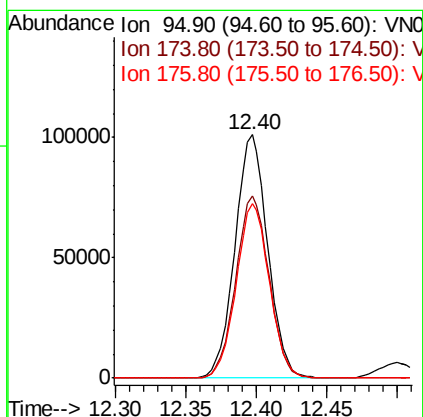
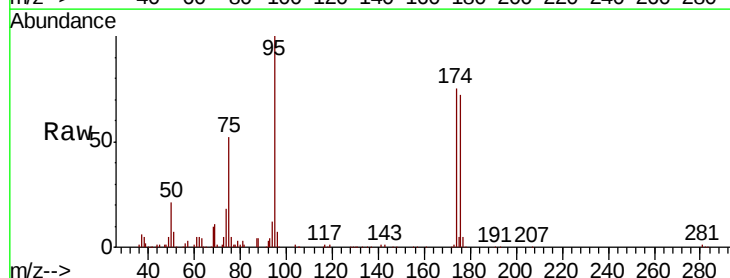
Instrument :
 MSVOA_N
 ClientSampled :

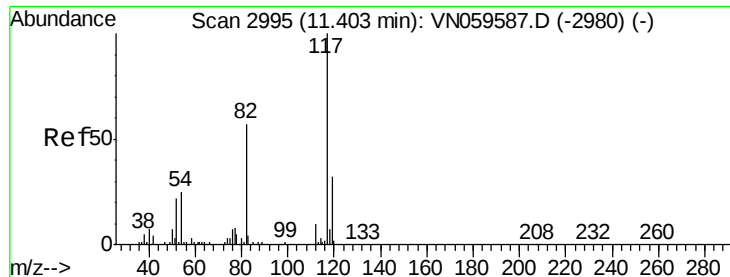
Tot Ion:107 Resp: 44472
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 55.105 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion: 95 Resp: 164790
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 151.4
 176 72.5 0.0 146.0

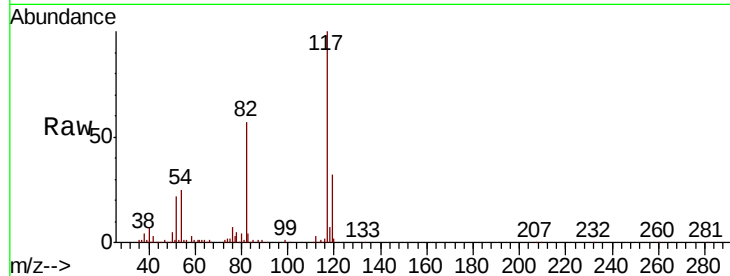




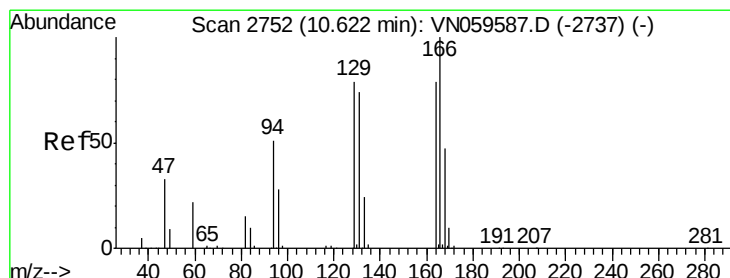
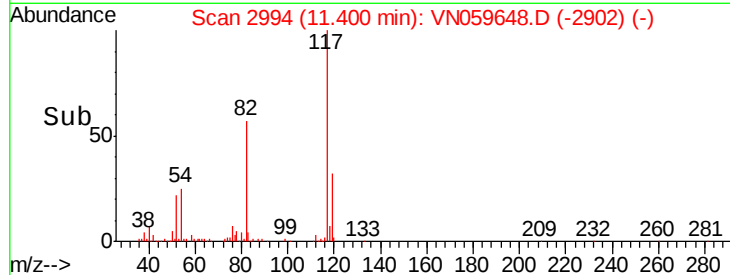
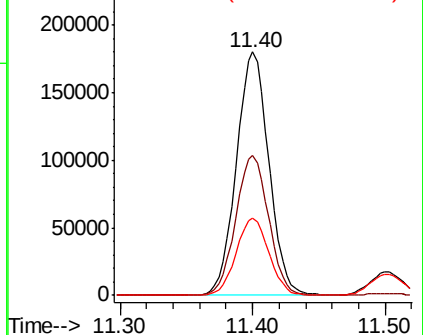
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 306445
Ion Ratio Lower Upper
117 100
82 57.2 45.9 68.9
119 31.9 25.5 38.3

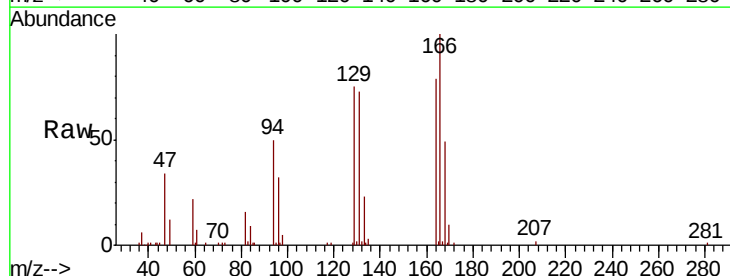


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

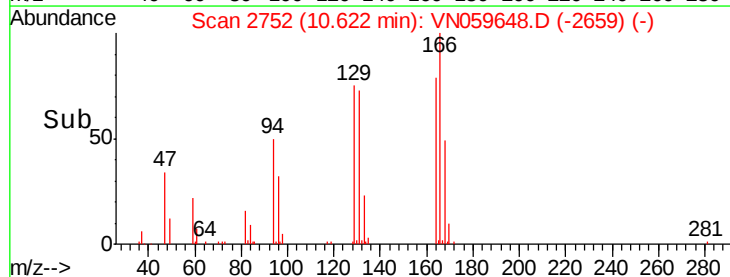
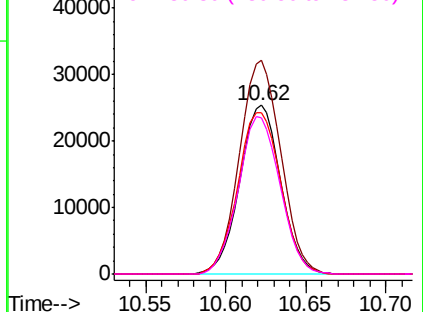


#64
Tetrachloroethene
Concen: 15.496 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion:164 Resp: 44267
Ion Ratio Lower Upper
164 100
166 126.8 101.4 152.0
129 95.6 80.2 120.4
131 92.8 75.0 112.4



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

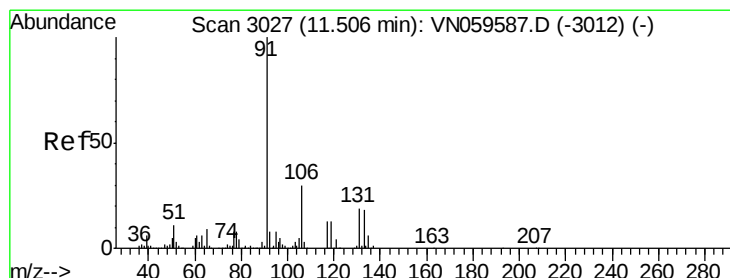
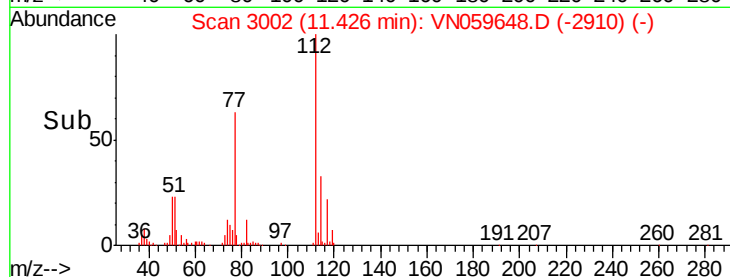
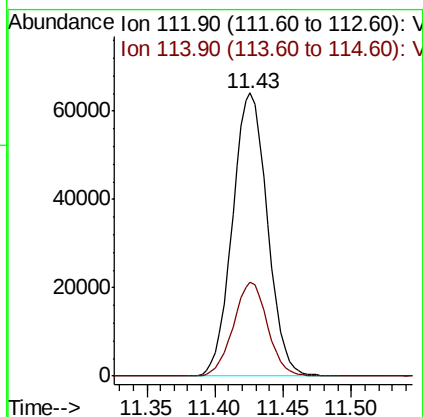
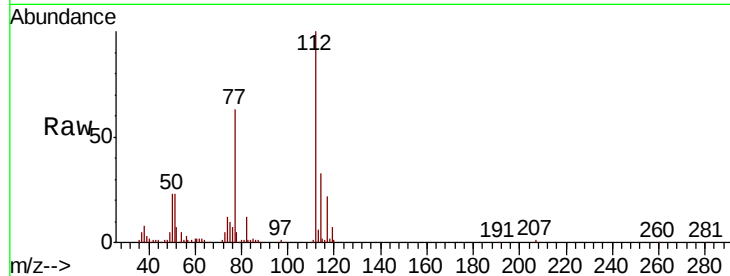




#65
Chlorobenzene
Concen: 17.168 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

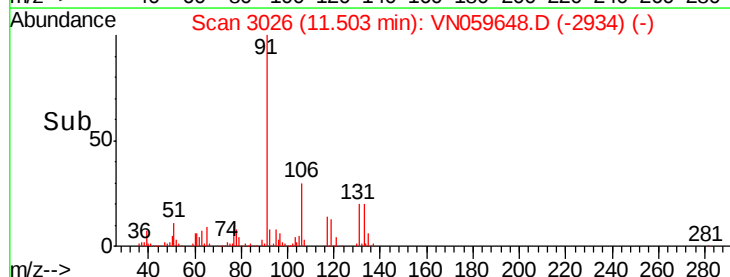
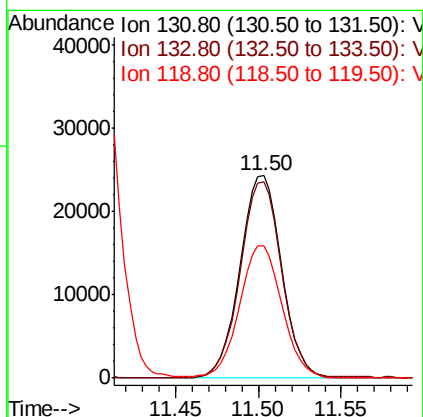
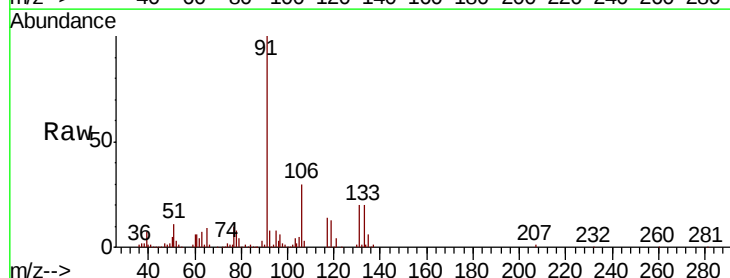
Instrument :
MSVOA_N
ClientSampled :

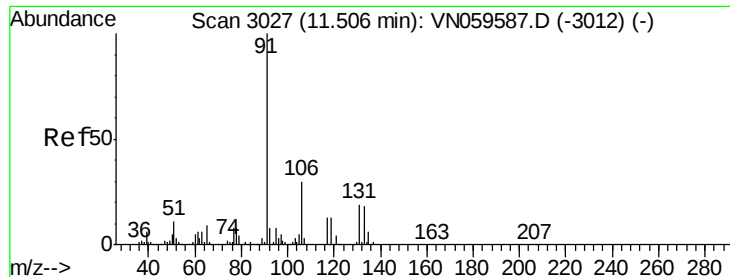
Tot Ion:112 Resp: 113839
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 16.852 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion:131 Resp: 42443
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.2
119 67.1 33.1 99.3





#67

Ethyl Benzene

Concen: 16.829 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

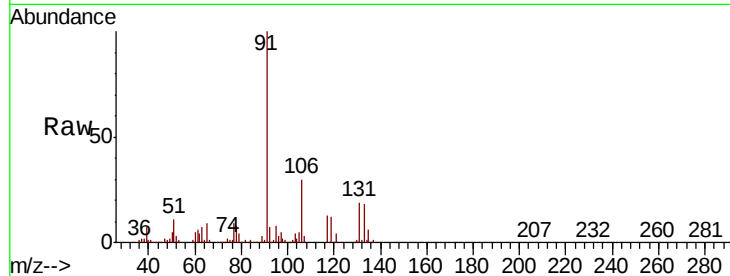
ClientSampled :

Tot Ion: 91 Resp: 201427

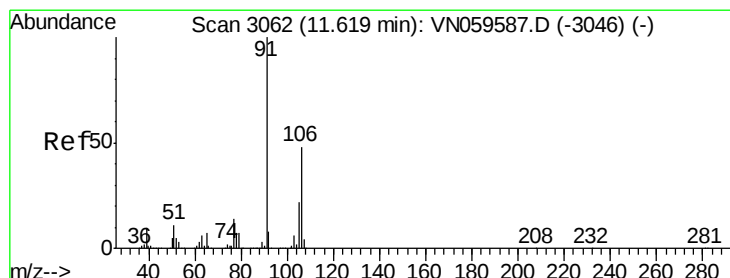
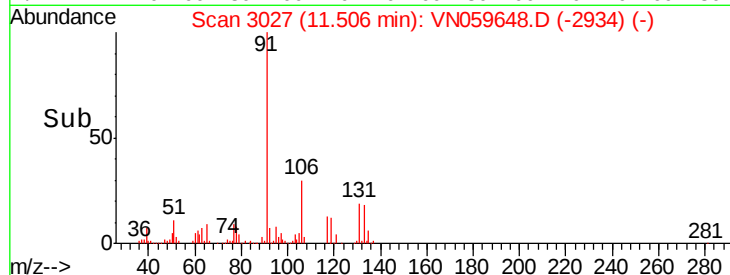
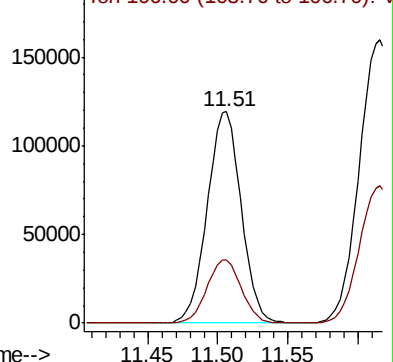
Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



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



#68

m/p-Xylenes

Concen: 33.849 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059648.D

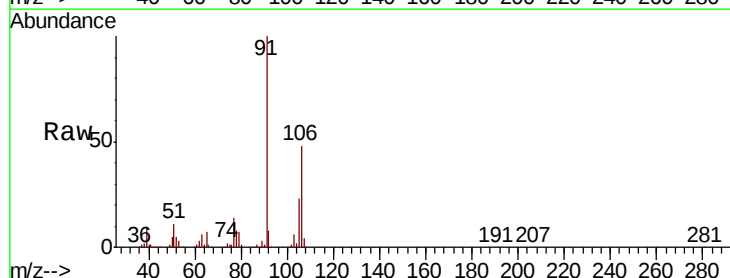
Acq: 18 Dec 2019 14:16

Tgt Ion: 106 Resp: 149603

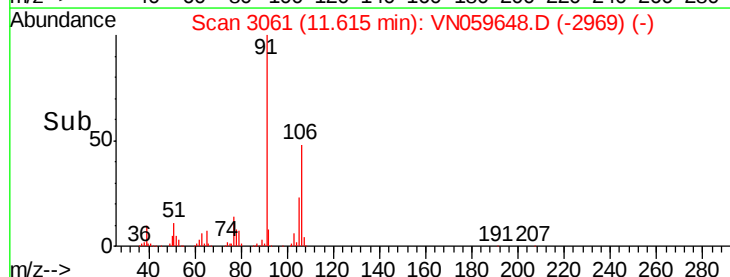
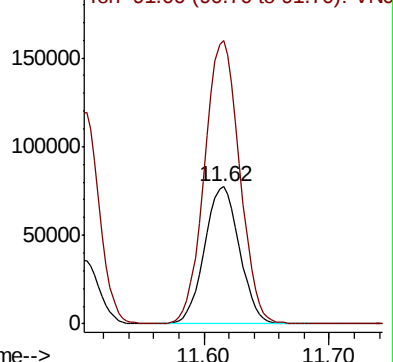
Ion Ratio Lower Upper

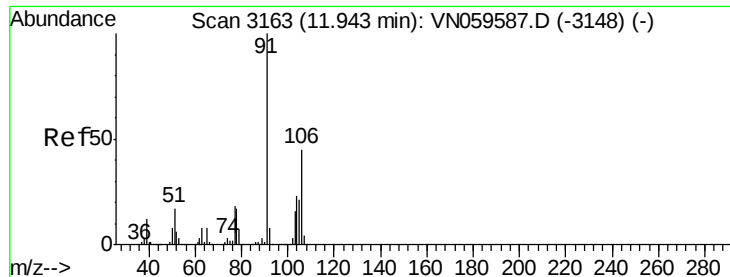
106 100

91 208.3 167.9 251.9



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

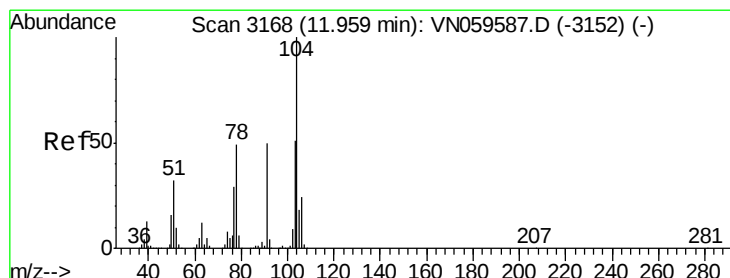
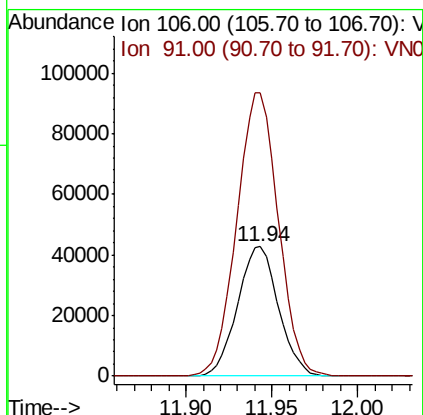
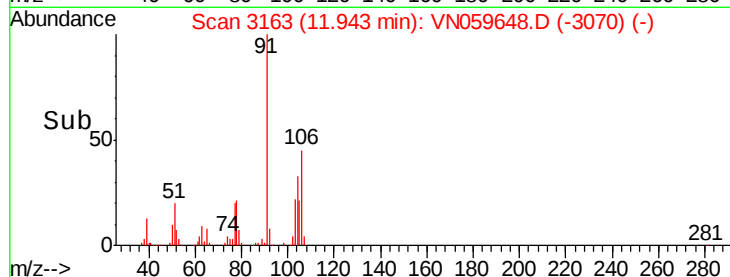
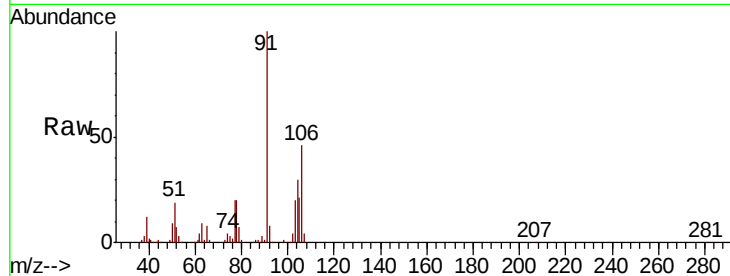




#69
o-Xylene
Concen: 16.820 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

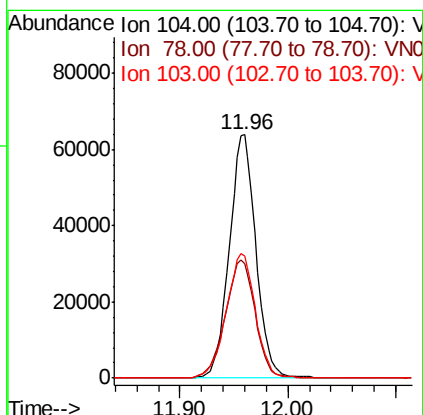
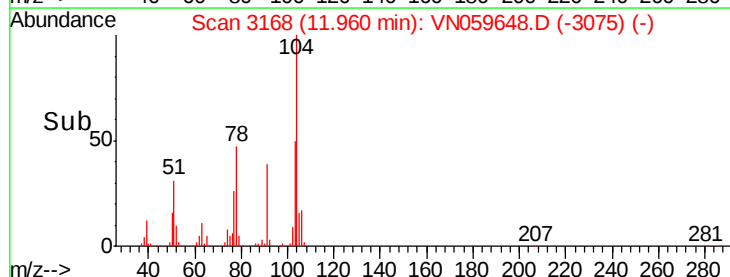
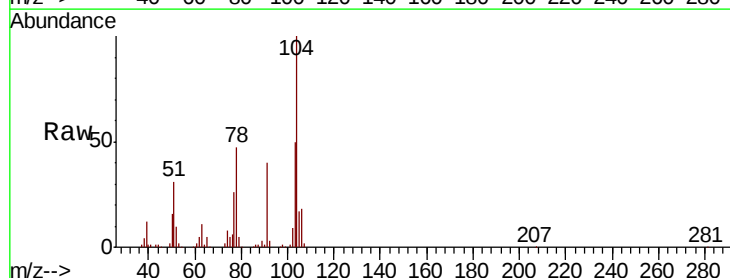
Instrument :
MSVOA_N
ClientSampled :

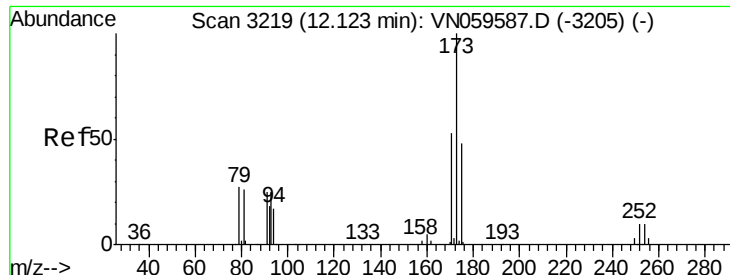
Tot Ion:106 Resp: 70734
Ion Ratio Lower Upper
106 100
91 221.6 110.3 330.9



#70
Styrene
Concen: 16.306 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion:104 Resp: 110174
Ion Ratio Lower Upper
104 100
78 54.3 42.4 63.6
103 55.9 43.9 65.9





#71

Bromoform

Concen: 16.918 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

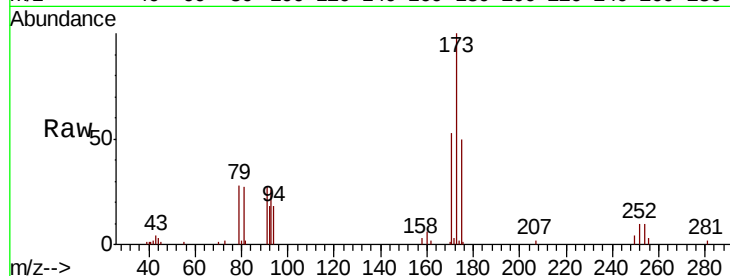
Tot Ion:173 Resp: 32030

Ion Ratio Lower Upper

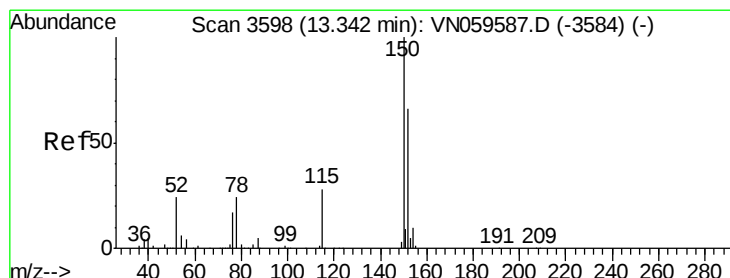
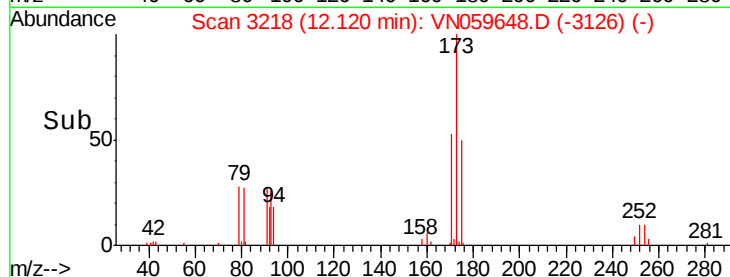
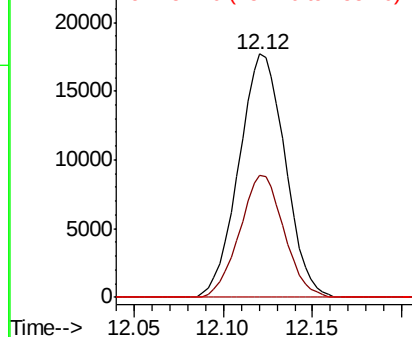
173 100

175 48.1 23.8 71.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

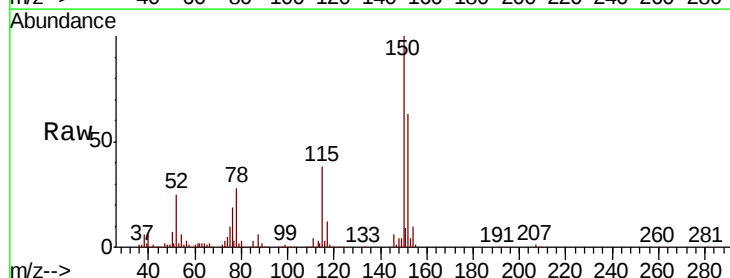
Tgt Ion:152 Resp: 141717

Ion Ratio Lower Upper

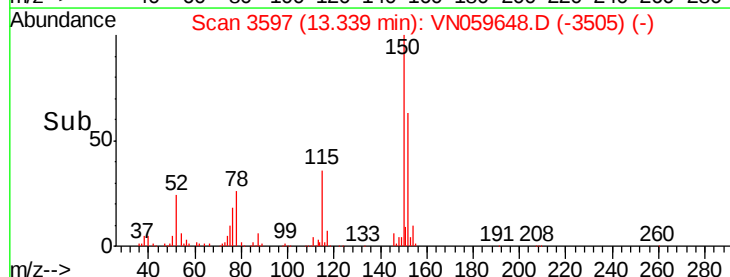
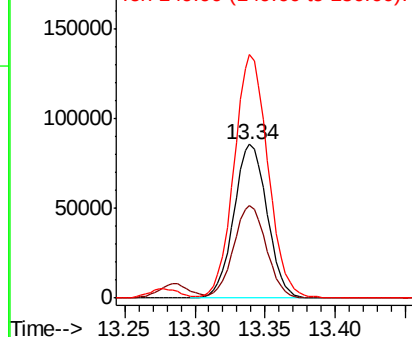
152 100

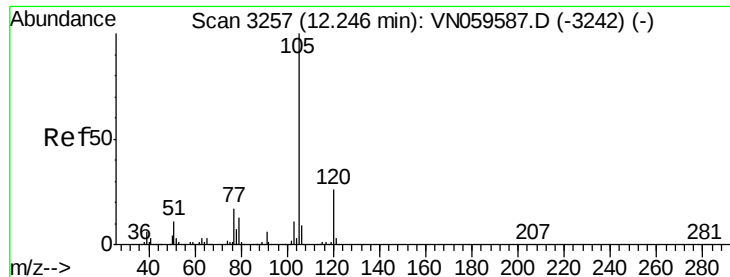
115 59.7 30.3 90.9

150 160.7 0.0 345.2



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





#73

Isopropylbenzene

Concen: 17.131 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

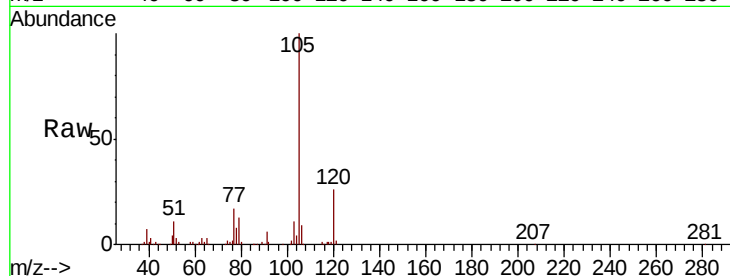
ClientSampleId :

Tot Ion:105 Resp: 190584

Ion Ratio Lower Upper

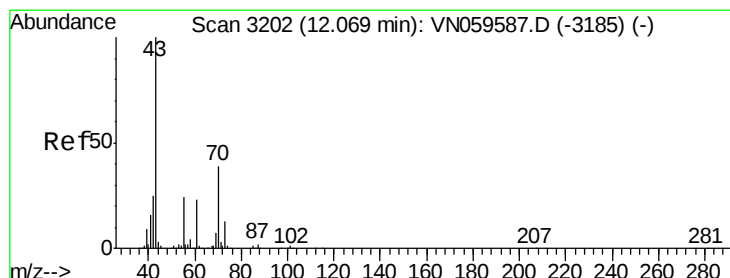
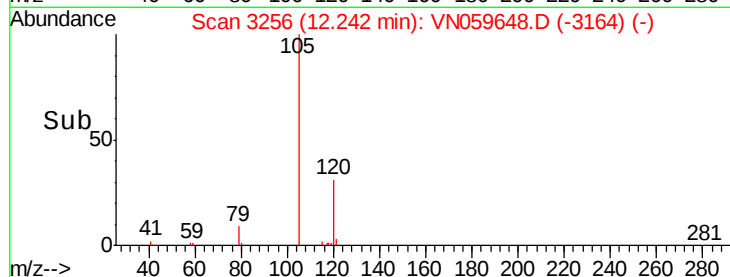
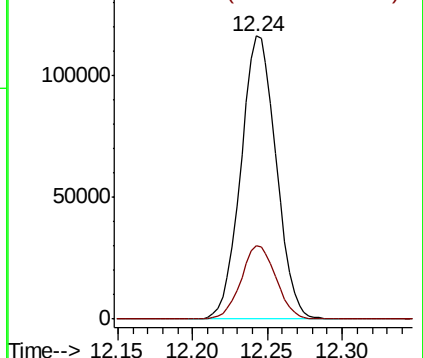
105 100

120 25.7 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.382 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Tgt Ion: 43 Resp: 83597

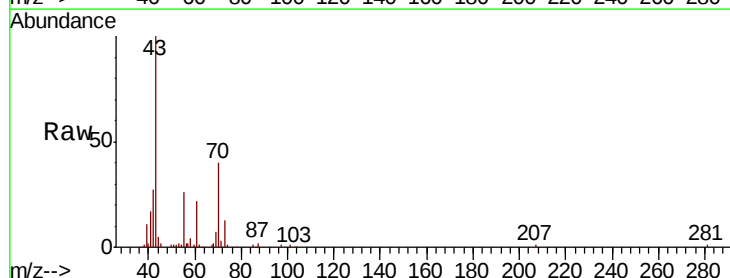
Ion Ratio Lower Upper

43 100

70 38.8 31.3 46.9

55 26.2 19.8 29.6

61 22.1 18.3 27.5

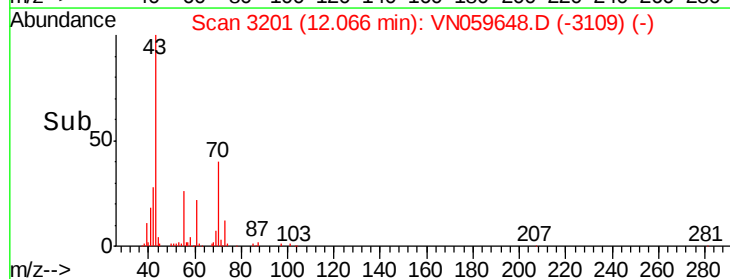
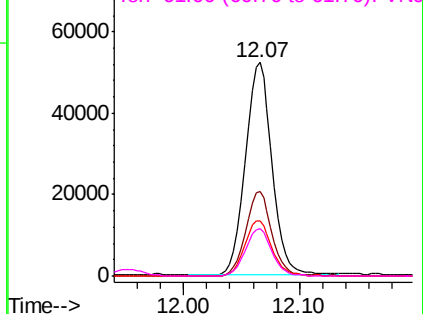


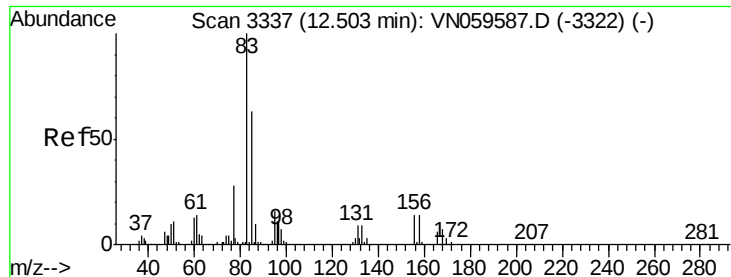
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.869 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

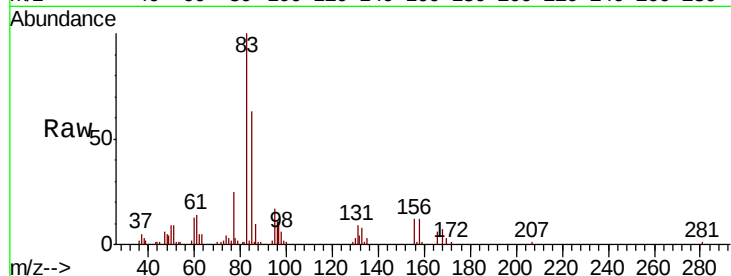
Tot Ion: 83 Resp: 63057

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

85 62.9 31.9 95.5



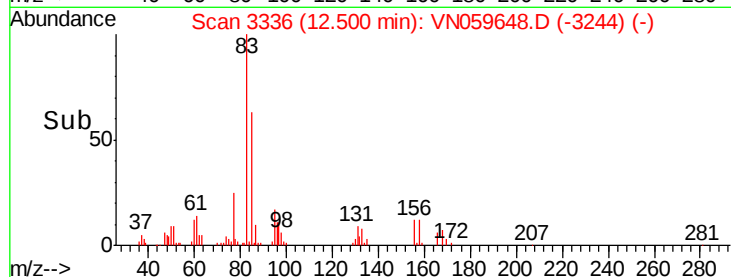
Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059587.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-3322) (-)

12.50

Time-->



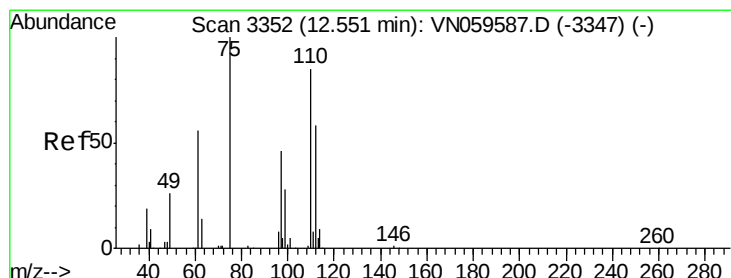
Abundance Ion 82.90 (82.60 to 83.60): VN059648.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059648.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059648.D (-3244) (-)

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.817 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN059648.D

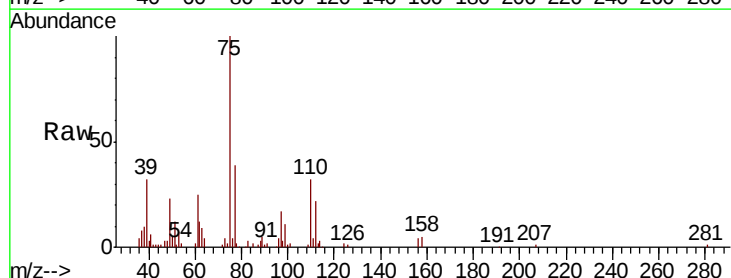
Acq: 18 Dec 2019 14:16

Tgt Ion: 75 Resp: 90575

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

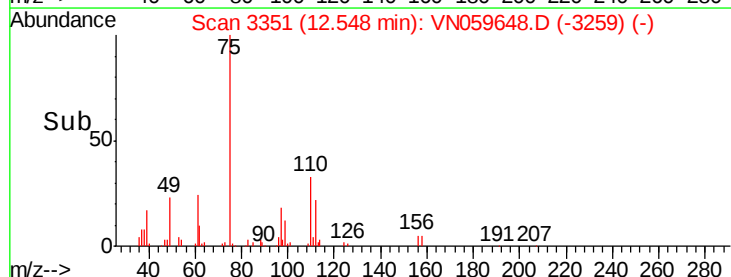


Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059587.D (-3347) (-)

12.55

Time-->

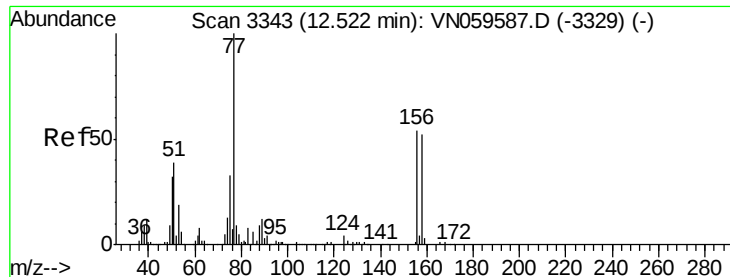


Abundance Ion 74.90 (74.60 to 75.60): VN059648.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059648.D (-3259) (-)

12.55

Time-->



#77

Bromobenzene

Concen: 16.977 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

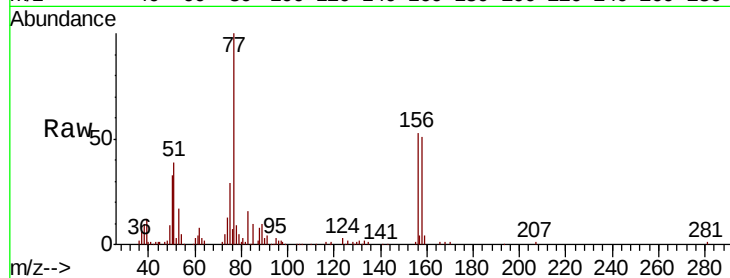
Tot Ion:156 Resp: 46447

Ion Ratio Lower Upper

156 100

77 232.4 115.8 347.4

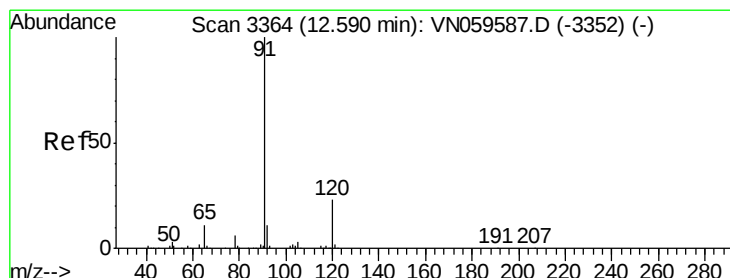
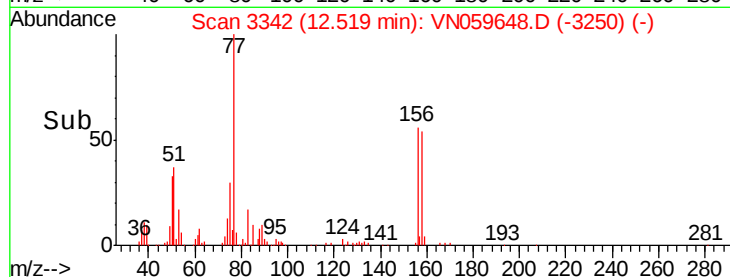
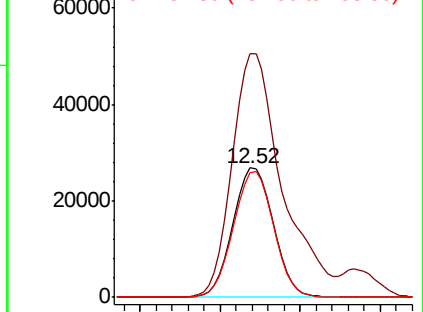
158 96.3 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.237 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059648.D

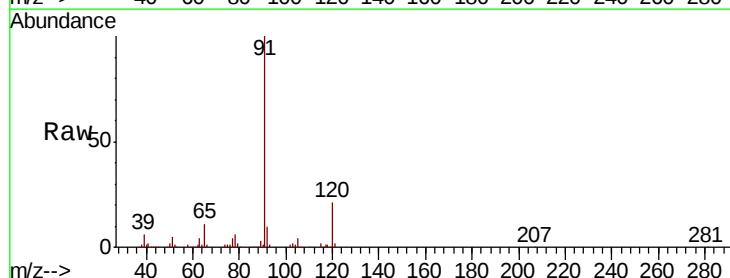
Acq: 18 Dec 2019 14:16

Tgt Ion: 91 Resp: 226674

Ion Ratio Lower Upper

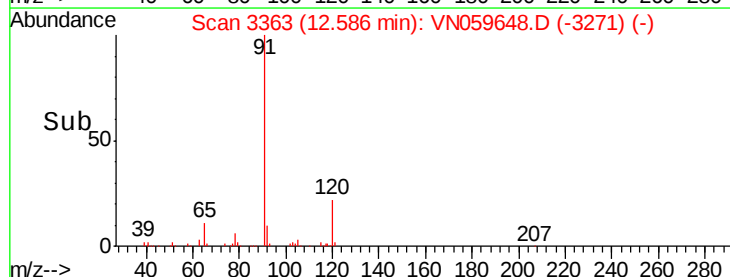
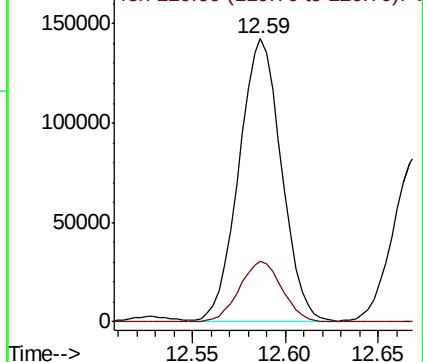
91 100

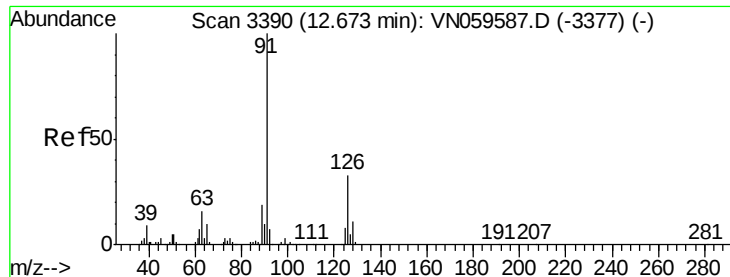
120 21.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.078 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

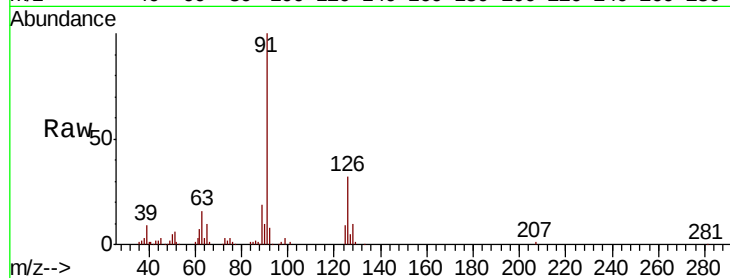
ClientSampleId :

Tot Ion: 91 Resp: 135803

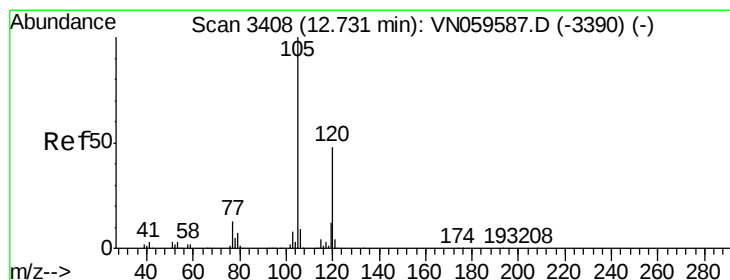
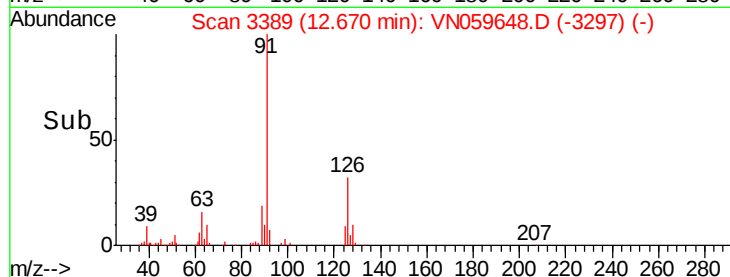
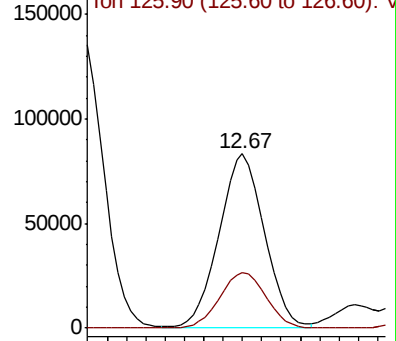
Ion Ratio Lower Upper

91 100

126 32.6 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.114 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059648.D

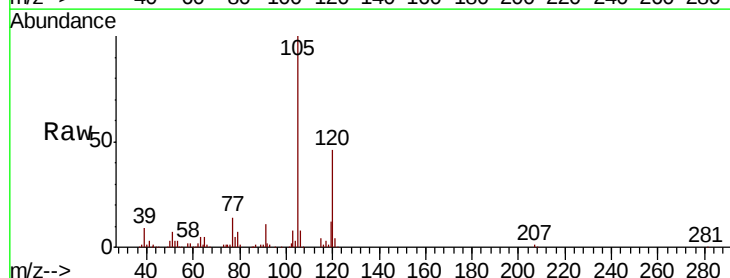
Acq: 18 Dec 2019 14:16

Tgt Ion: 105 Resp: 161116

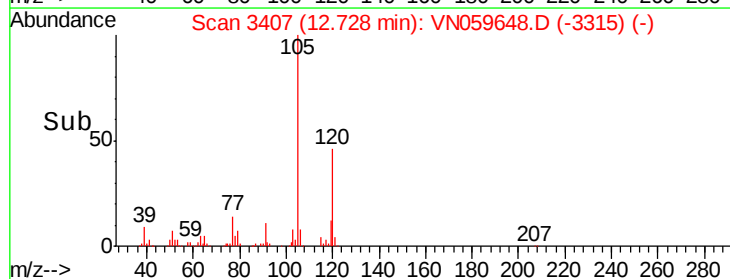
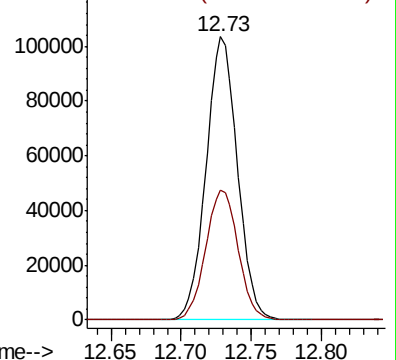
Ion Ratio Lower Upper

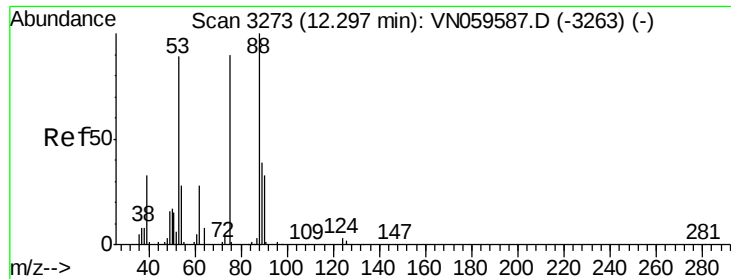
105 100

120 47.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.274 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

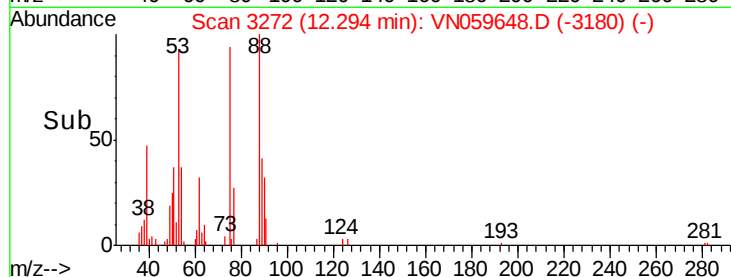
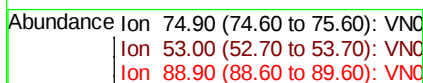
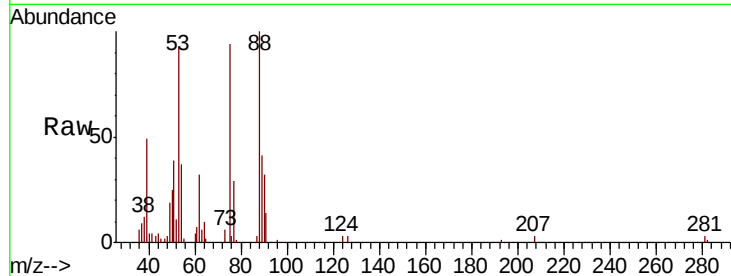
Tot Ion: 75 Resp: 23116

Ion Ratio Lower Upper

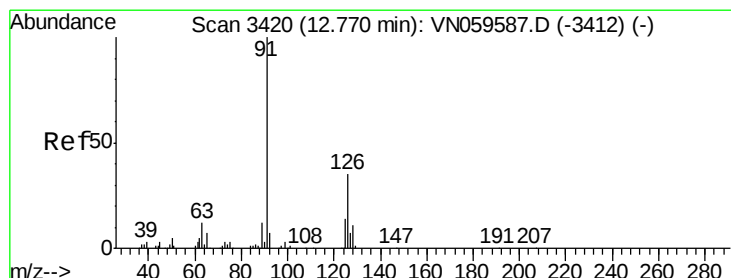
75 100

53 98.5 78.1 117.1

89 43.1 35.4 53.2



Time-->



#82

4-Chlorotoluene

Concen: 16.902 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059648.D

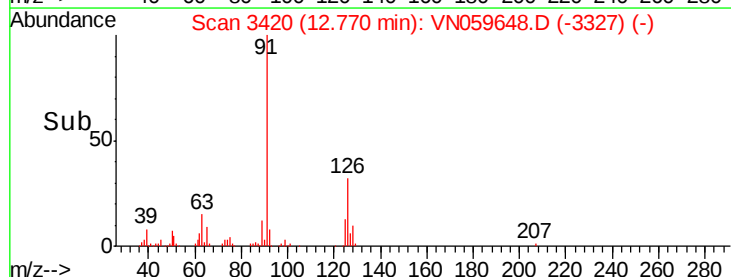
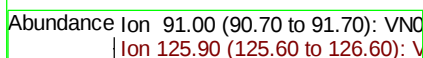
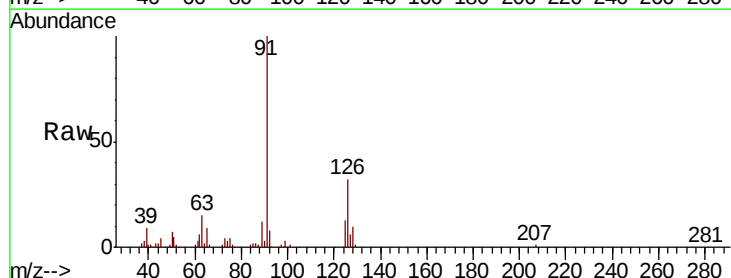
Acq: 18 Dec 2019 14:16

Tgt Ion: 91 Resp: 137611

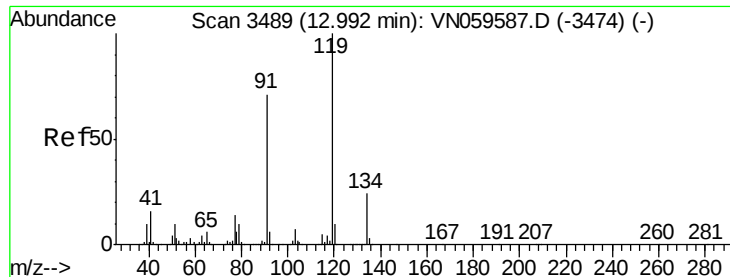
Ion Ratio Lower Upper

91 100

126 32.0 16.3 48.8



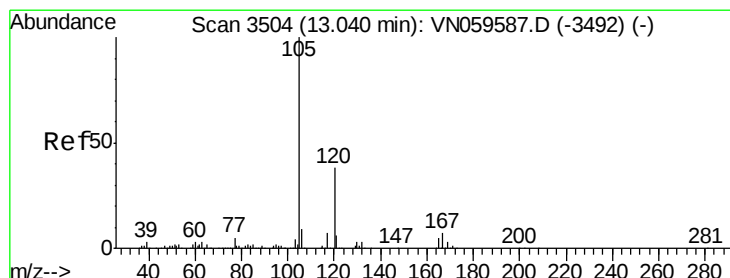
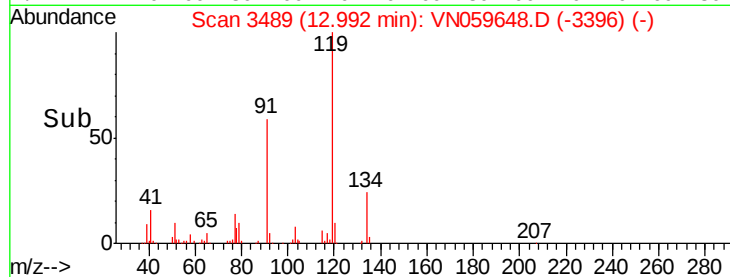
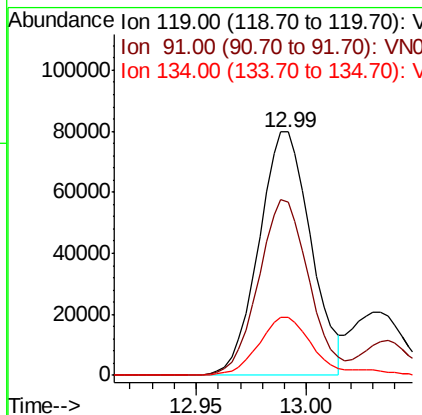
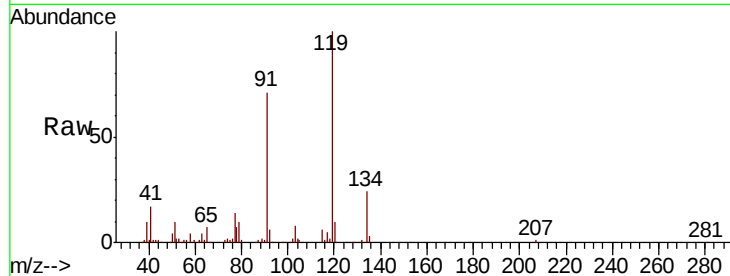
Time-->



#83
 tert-Butylbenzene
 Concen: 16.350 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

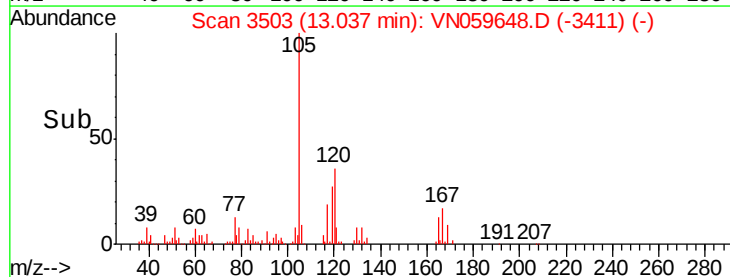
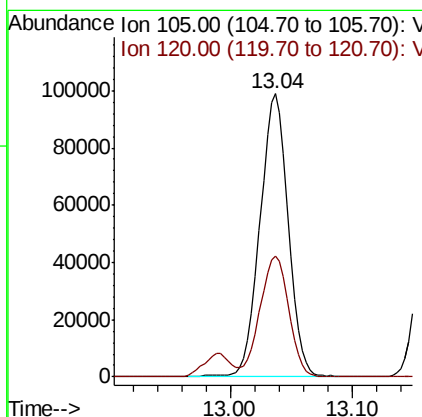
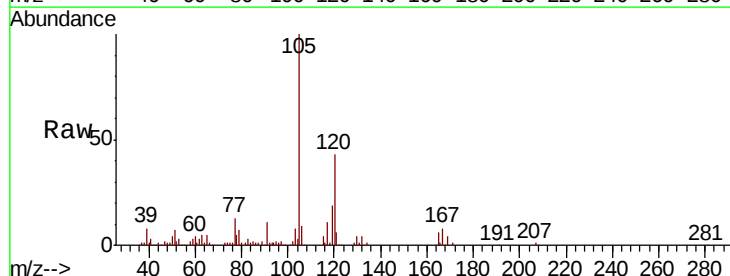
Instrument :
 MSVOA_N
 ClientSampleId :

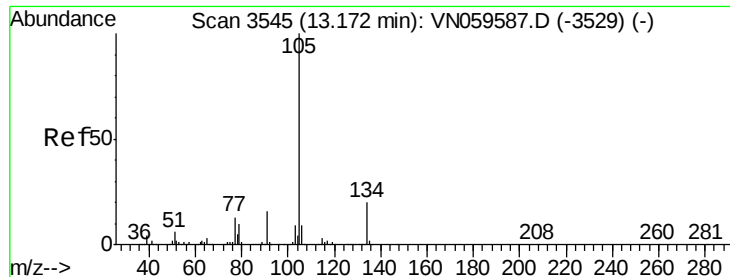
Tot Ion:119 Resp: 130355
 Ion Ratio Lower Upper
 119 100
 91 70.1 34.8 104.4
 134 24.2 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 16.956 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion:105 Resp: 158728
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 16.981 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

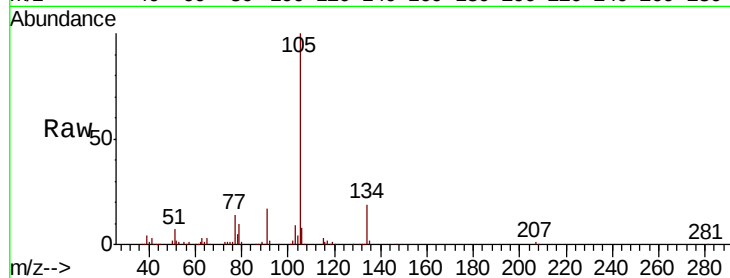
ClientSampleId :

Tot Ion:105 Resp: 180094

Ion Ratio Lower Upper

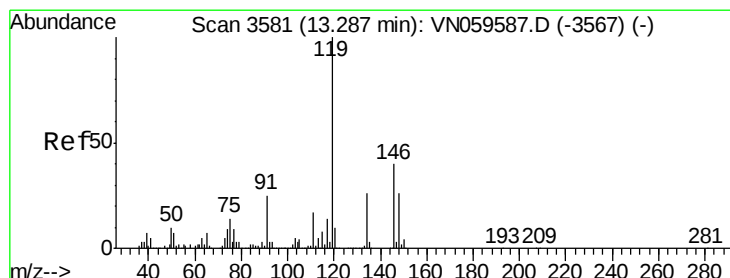
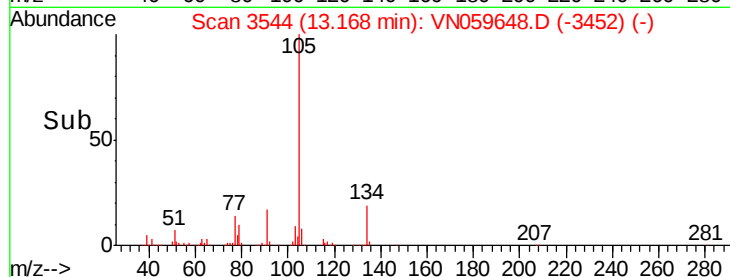
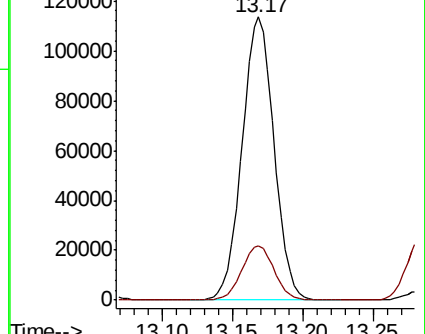
105 100

134 19.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.449 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

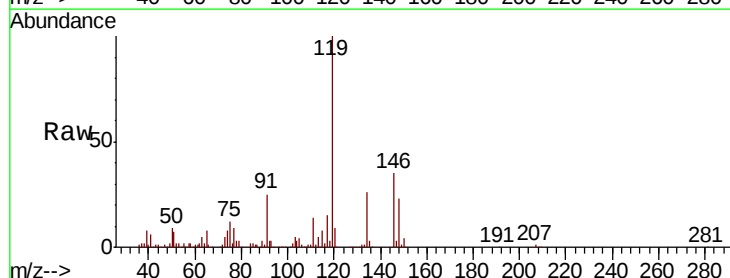
Tgt Ion:119 Resp: 157993

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

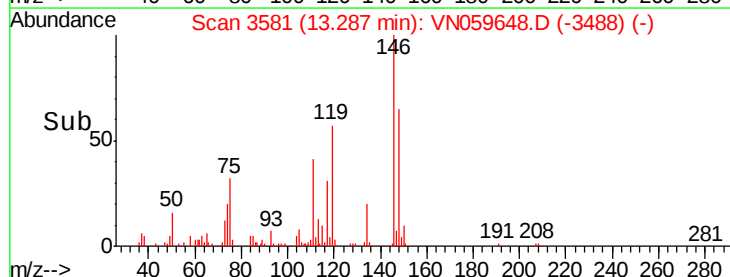
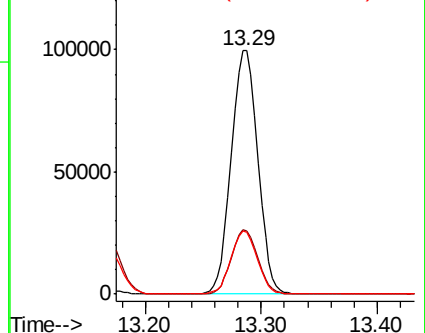
91 25.6 12.4 37.4

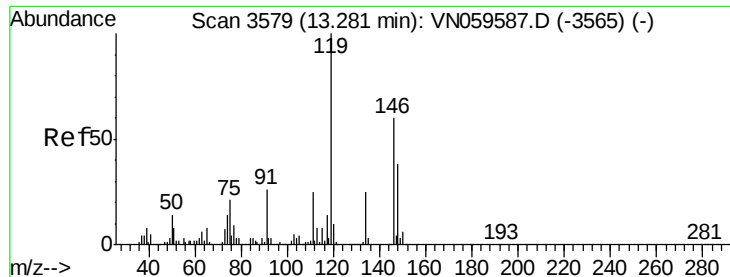


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

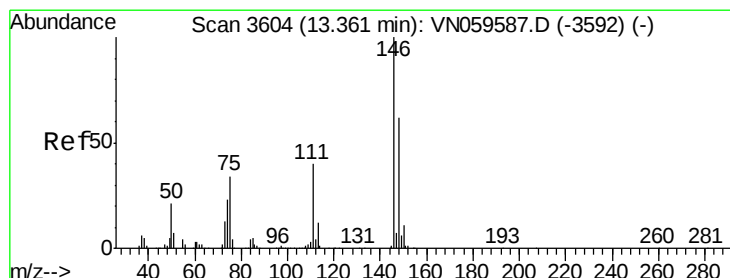
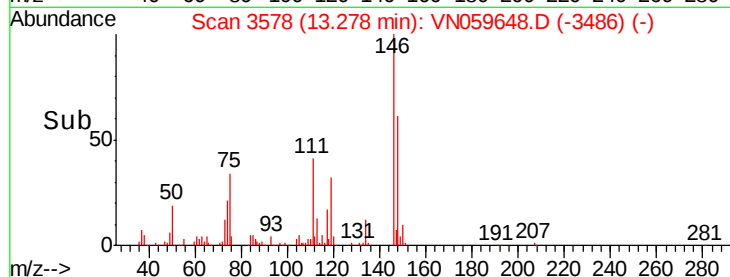
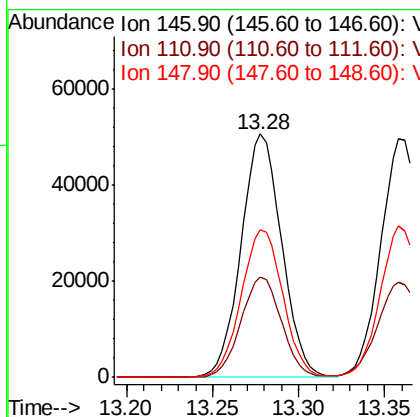
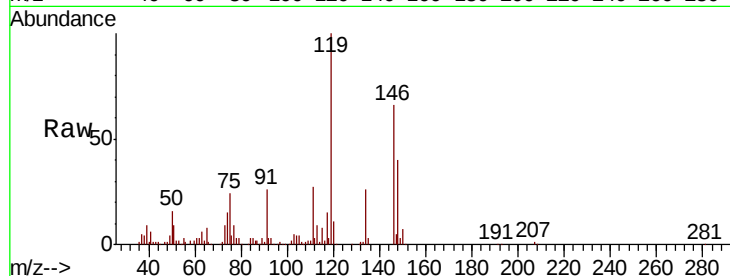




#87
 1,3-Dichlorobenzene
 Concen: 16.497 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

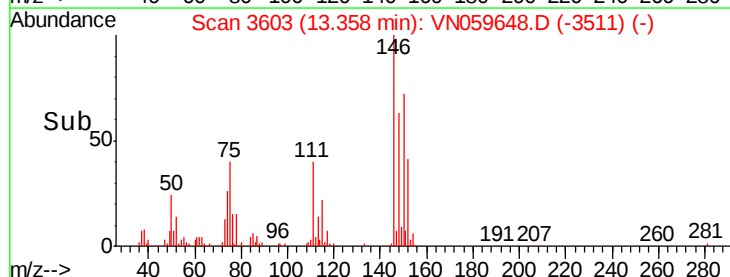
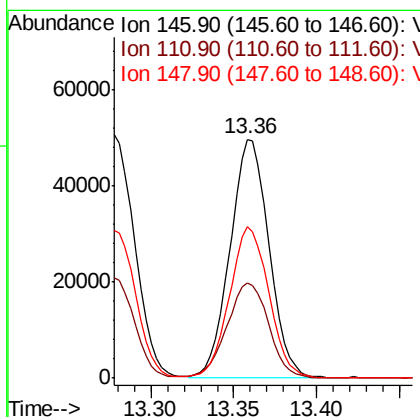
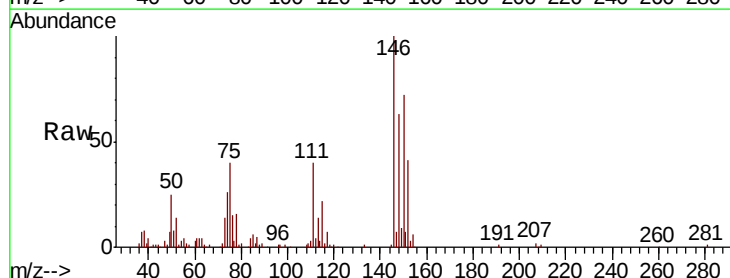
Instrument :
 MSVOA_N
 ClientSampleId :

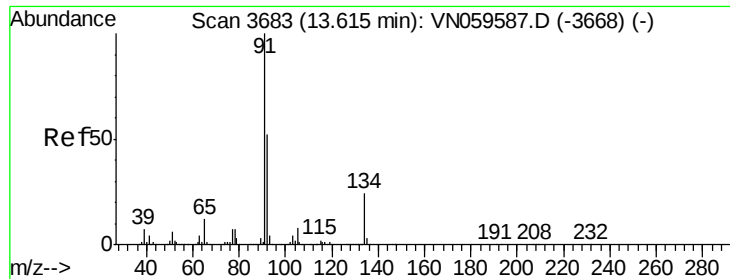
Tot Ion:146 Resp: 82993
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.8 62.2
 148 62.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 15.855 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion:146 Resp: 80421
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.8 62.2
 148 64.6 31.8 95.4

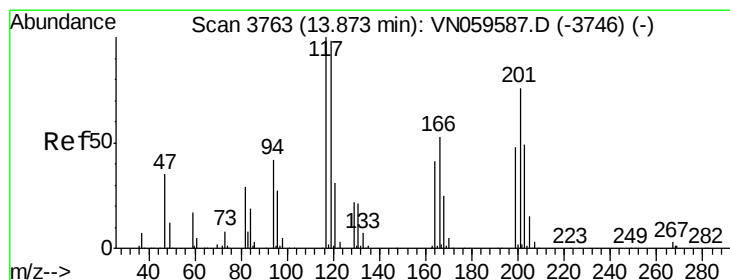
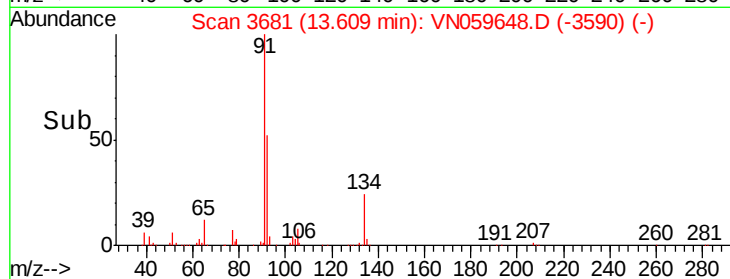
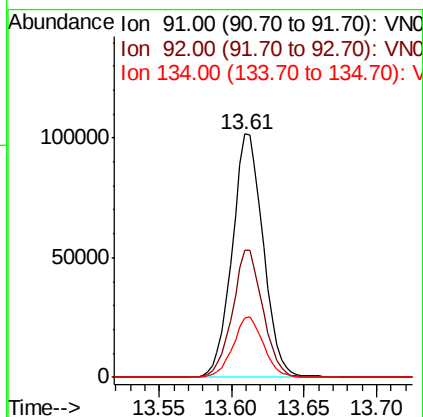
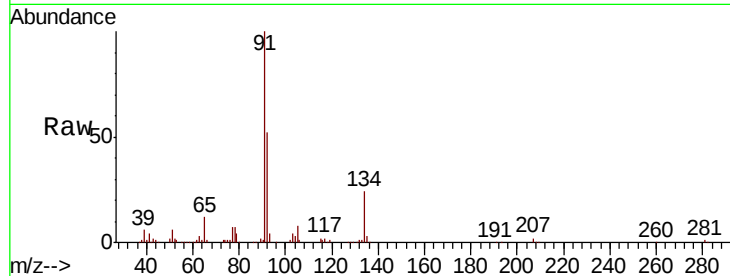




#89
n-Butylbenzene
Concen: 16.835 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.01 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

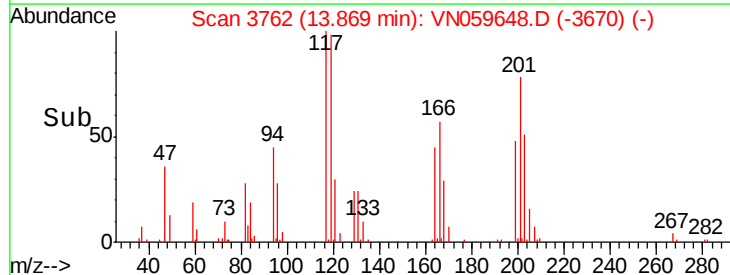
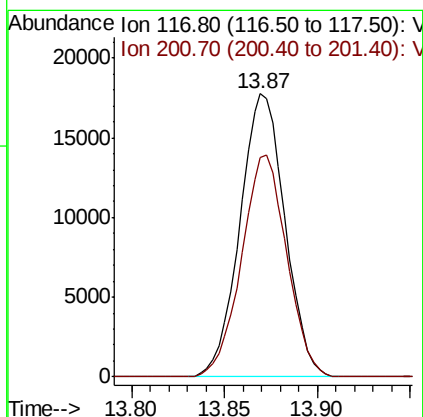
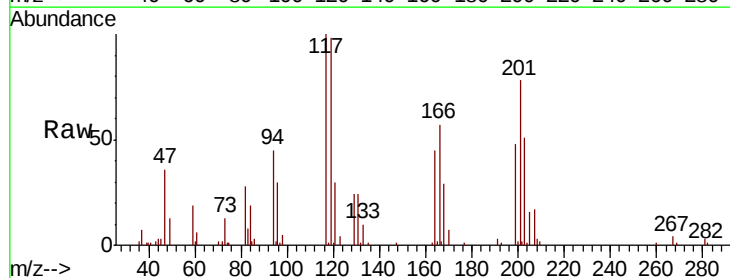
Instrument :
MSVOA_N
ClientSampled :

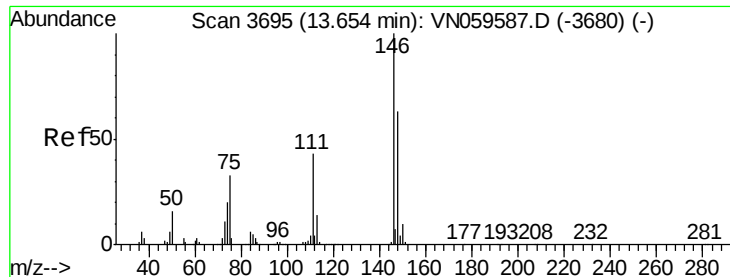
Tot Ion: 91 Resp: 151608
Ion Ratio Lower Upper
91 100
92 51.0 25.9 77.7
134 24.2 12.3 36.8



#90
Hexachloroethane
Concen: 16.542 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN059648.D
Acq: 18 Dec 2019 14:16

Tgt Ion: 117 Resp: 30033
Ion Ratio Lower Upper
117 100
201 78.8 37.8 113.4

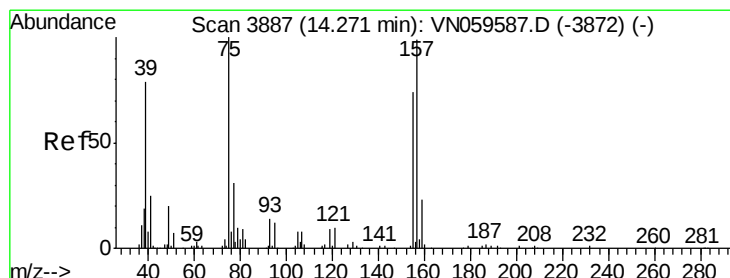
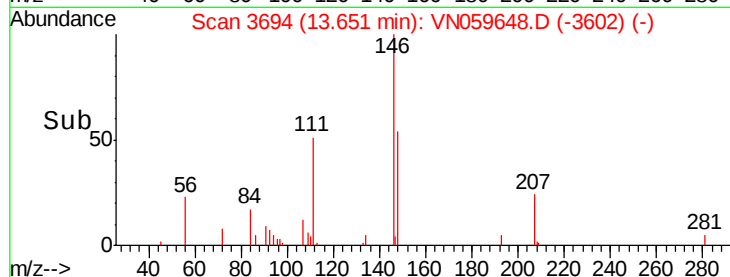
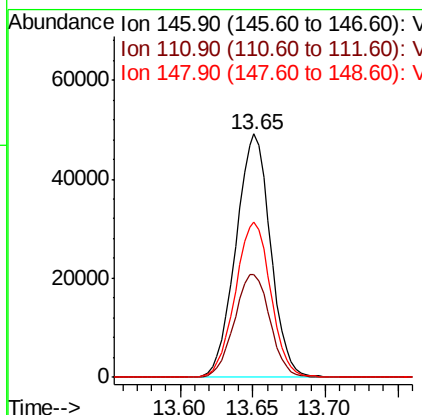
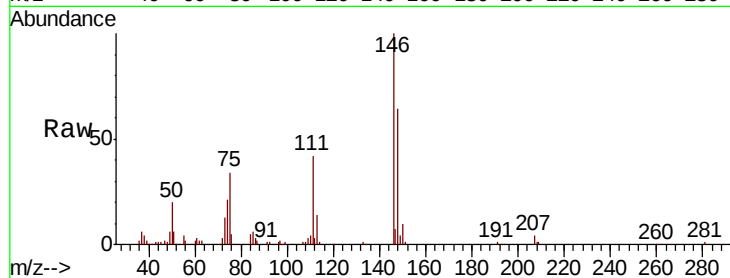




#91
 1,2-Dichlorobenzene
 Concen: 16.463 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

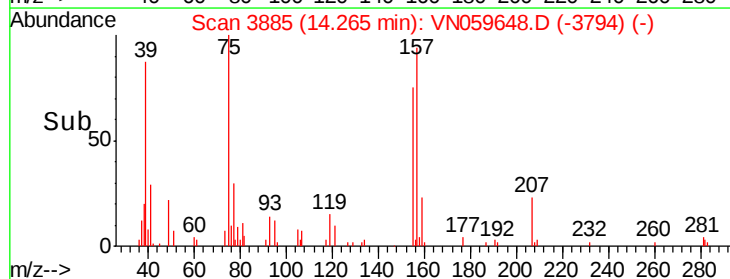
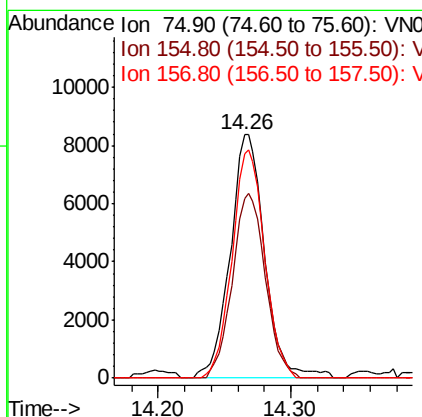
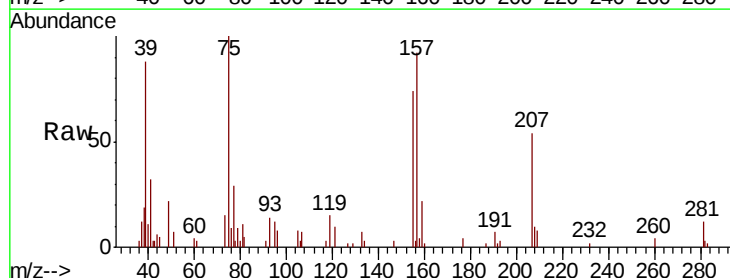
Instrument :
 MSVOA_N
 ClientSampleId :

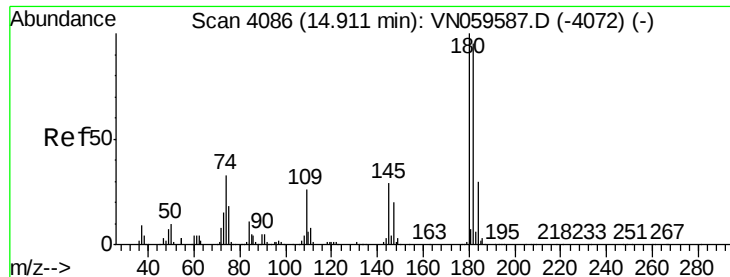
Tot Ion:146 Resp: 81680
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.6 64.8
 148 65.0 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.420 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN059648.D
 Acq: 18 Dec 2019 14:16

Tgt Ion: 75 Resp: 15106
 Ion Ratio Lower Upper
 75 100
 155 72.5 37.0 110.9
 157 88.2 48.4 145.2





#93

1,2,4-Trichlorobenzene

Concen: 17.273 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

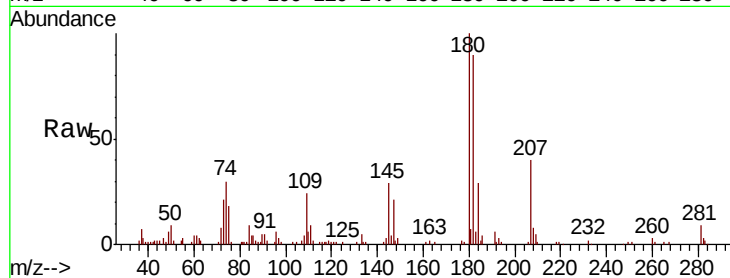
Tot Ion:180 Resp: 55338

Ion Ratio Lower Upper

180 100

182 92.2 46.9 140.7

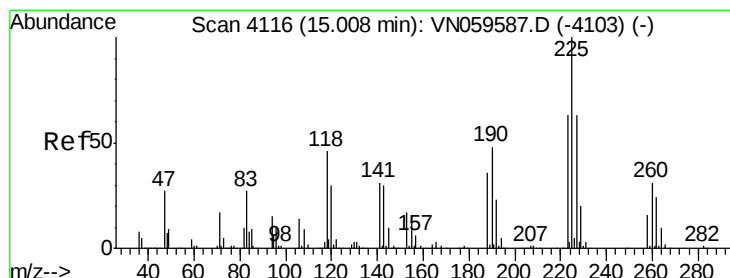
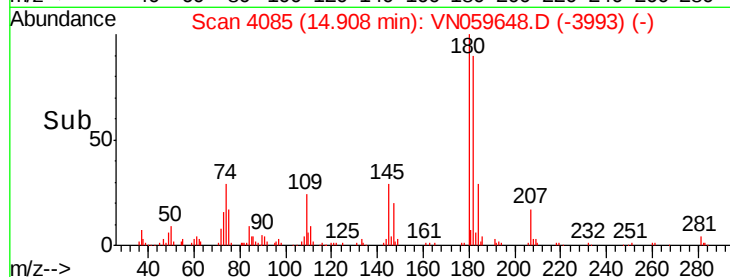
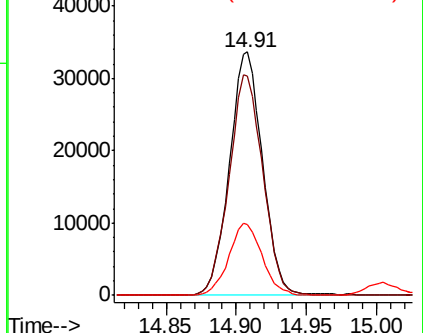
145 29.6 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.474 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

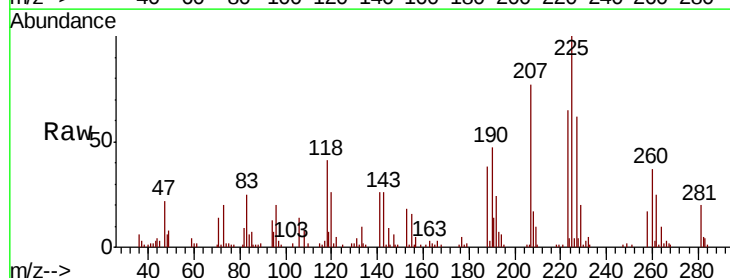
Tgt Ion:225 Resp: 32050

Ion Ratio Lower Upper

225 100

223 64.1 31.8 95.3

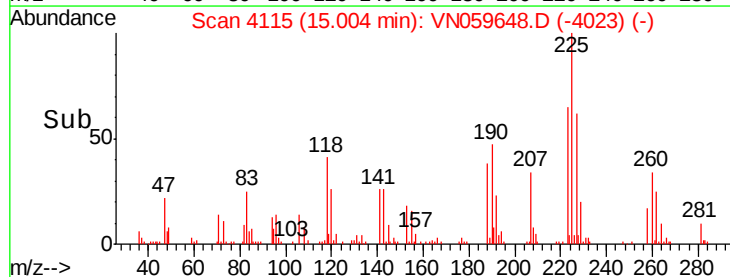
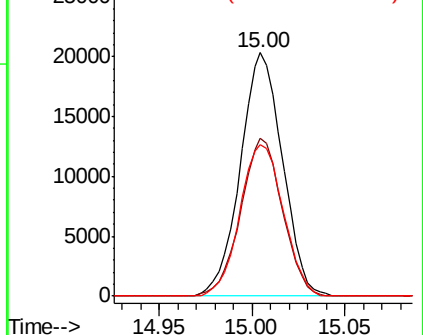
227 64.0 32.1 96.5

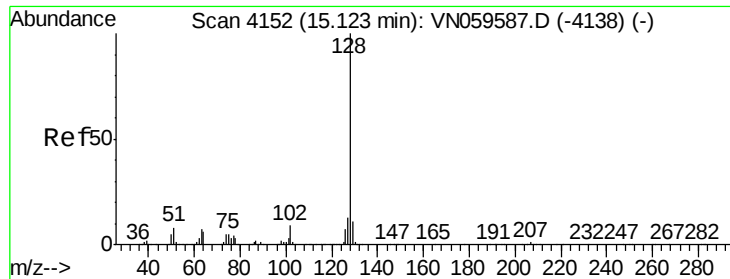


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.514 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

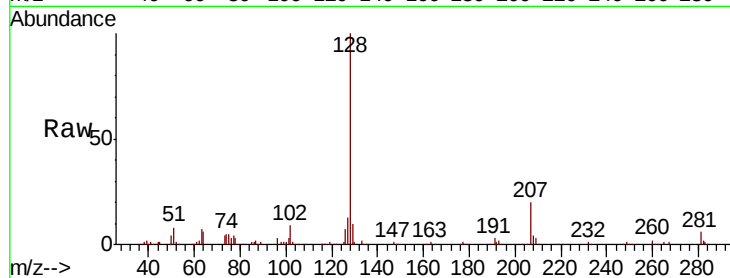
Tot Ion:128 Resp: 157941

Ion Ratio Lower Upper

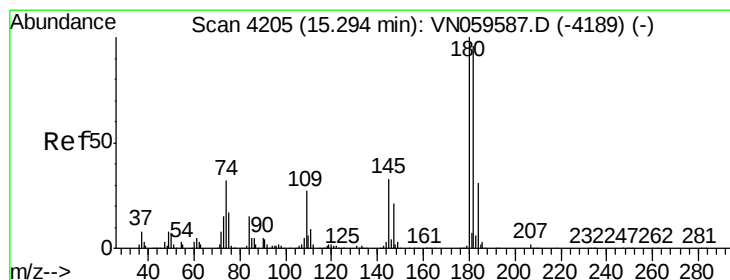
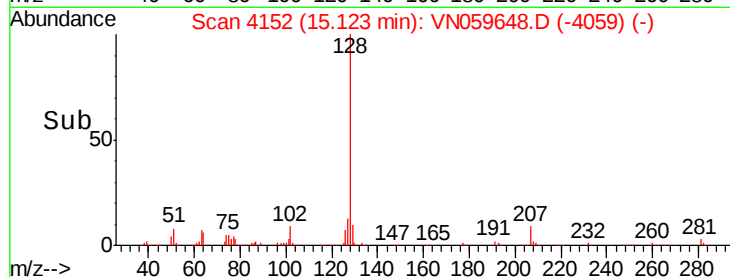
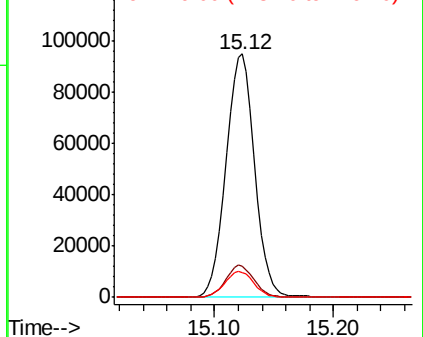
128 100

127 12.9 10.4 15.6

129 10.7 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: 17.584 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.00 min

Lab File: VN059648.D

Acq: 18 Dec 2019 14:16

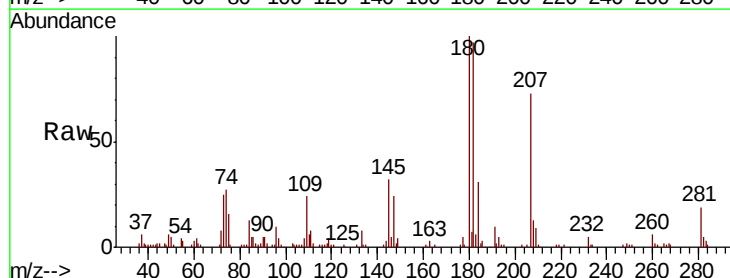
Tgt Ion:180 Resp: 56976

Ion Ratio Lower Upper

180 100

182 95.3 47.4 142.3

145 32.3 16.3 48.9



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

