

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059185.D
 Acq On : 12 Nov 2019 13:17
 Operator : JC/SP
 Sample : VN1112MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Quant Time: Nov 13 05:38:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	405581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	638713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	582364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	266166	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	7.57	113	206950	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
50) Toluene-d8	10.08	98	778646	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.40	95	273433	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76577	18.739	ug/l	99
3) Chloromethane	2.04	50	105914	19.067	ug/l	99
4) Vinyl Chloride	2.17	62	107687	19.996	ug/l	100
5) Bromomethane	2.54	94	63126	20.369	ug/l	98
6) Chloroethane	2.68	64	65486	20.556	ug/l	99
7) Trichlorofluoromethane	3.00	101	135114	20.975	ug/l	99
8) Diethyl Ether	3.39	74	51454	19.659	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78409	20.188	ug/l	100
10) Methyl Iodide	3.93	142	93732	19.497	ug/l	100
11) Tert butyl alcohol	4.75	59	102892	108.290	ug/l	99
12) 1,1-Dichloroethene	3.71	96	75661	19.998	ug/l	96
13) Acrolein	3.58	56	36577	74.665	ug/l	98
14) Allyl chloride	4.29	41	151770	19.529	ug/l	98
15) Acrylonitrile	4.96	53	246800	104.373	ug/l	98
16) Acetone	3.79	43	256587	98.968	ug/l	98
17) Carbon Disulfide	4.03	76	207458	17.664	ug/l	99
18) Methyl Acetate	4.30	43	137062	22.273	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	268541	20.616	ug/l	100
20) Methylene Chloride	4.52	84	92545	20.489	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	81455	20.057	ug/l	95
22) Diisopropyl ether	5.92	45	309540	21.086	ug/l	94
23) Vinyl Acetate	5.87	43	1267043	111.370	ug/l	100
24) 1,1-Dichloroethane	5.82	63	170465	20.791	ug/l	99
25) 2-Butanone	6.81	43	357831	104.723	ug/l	99
26) 2,2-Dichloropropane	6.80	77	143156	19.968	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	96749	20.534	ug/l	100
28) Bromochloromethane	7.17	49	52566	21.310	ug/l	99
29) Tetrahydrofuran	7.19	42	237376	109.334	ug/l	99
30) Chloroform	7.35	83	167842	21.340	ug/l	97
31) Cyclohexane	7.63	56	146575	18.884	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	142489	21.548	ug/l	99
36) 1,1-Dichloropropene	7.77	75	120565	20.195	ug/l	99
37) Ethyl Acetate	6.90	43	144122	21.700	ug/l	99
38) Carbon Tetrachloride	7.75	117	121411	20.432	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	135246	19.519	ug/l	97
40) Benzene	8.02	78	367832	20.460	ug/l	99
41) Methacrylonitrile	7.18	41	208609	72.232	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	133148	21.594	ug/l	98
43) Isopropyl Acetate	8.14	43	219789	20.758	ug/l	100
44) Trichloroethene	8.82	130	88961	20.130	ug/l	98
45) 1,2-Dichloropropane	9.10	63	101386	20.762	ug/l	98
46) Dibromomethane	9.19	93	63433	20.846	ug/l	97
47) Bromodichloromethane	9.39	83	130378	21.457	ug/l	100
48) Methyl methacrylate	9.18	41	100569	21.234	ug/l	97
49) 1,4-Dioxane	9.18	88	36135	429.320	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	714072	119.188	ug/l	98
52) Toluene	10.14	92	224246	20.811	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	141866	20.209	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154917	20.515	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	93879	21.527	ug/l	99
56) Ethyl methacrylate	10.42	69	135814	19.846	ug/l	98
57) 1,3-Dichloropropane	10.70	76	158835	21.162	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	269588	111.079	ug/l	100
59) 2-Hexanone	10.74	43	520634	113.219	ug/l	98
60) Dibromochloromethane	10.90	129	98159	21.289	ug/l	100
61) 1,2-Dibromoethane	11.00	107	92086	20.859	ug/l	99
64) Tetrachloroethene	10.62	164	79063	19.965	ug/l	98
65) Chlorobenzene	11.43	112	235654	20.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	90626	21.281	ug/l	99
67) Ethyl Benzene	11.51	91	415195	20.613	ug/l	99
68) m/p-Xylenes	11.62	106	306108	40.571	ug/l	98
69) o-Xylene	11.95	106	146818	20.136	ug/l	100
70) Styrene	11.96	104	233398	20.353	ug/l	99
71) Bromoform	12.13	173	69160	20.878	ug/l #	99
73) Isopropylbenzene	12.25	105	400554	20.855	ug/l	100
74) N-amyl acetate	12.07	43	170198	20.913	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	143329	21.913	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	187942	31.264	ug/l #	100
77) Bromobenzene	12.53	156	98105	20.331	ug/l	100
78) n-propylbenzene	12.59	91	464070	21.102	ug/l	100
79) 2-Chlorotoluene	12.67	91	280069	20.529	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333850	20.513	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45872	20.155	ug/l	94
82) 4-Chlorotoluene	12.77	91	279079	20.396	ug/l	99
83) tert-Butylbenzene	12.99	119	289748	20.616	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	327887	20.824	ug/l	100
85) sec-Butylbenzene	13.17	105	378392	20.701	ug/l	100
86) p-Isopropyltoluene	13.29	119	332729	20.616	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	168499	20.391	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	166098	20.090	ug/l	99
89) n-Butylbenzene	13.62	91	277154	19.620	ug/l	99
90) Hexachloroethane	13.88	117	64924	20.033	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	168990	20.789	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28842	22.117	ug/l	93

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Quant Title : SW846 8260
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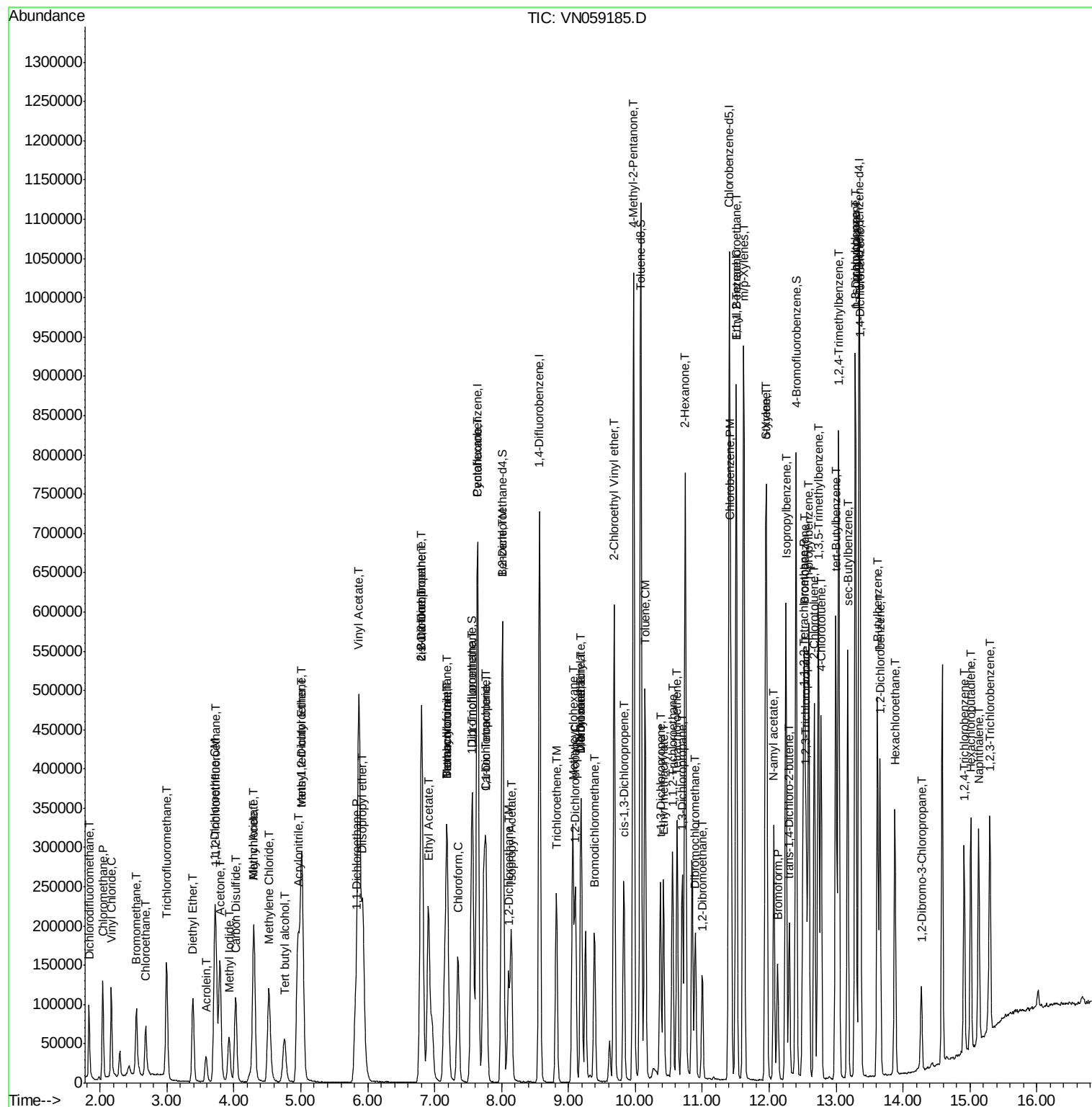
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84714	19.177	ug/l	97
94) Hexachlorobutadiene	15.01	225	56044	19.996	ug/l	99
95) Naphthalene	15.13	128	224411	18.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	87983	19.314	ug/l	100

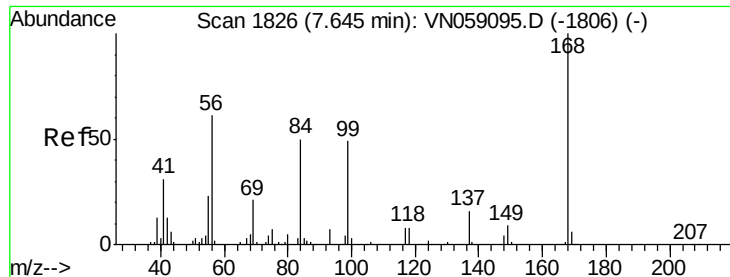
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111219\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

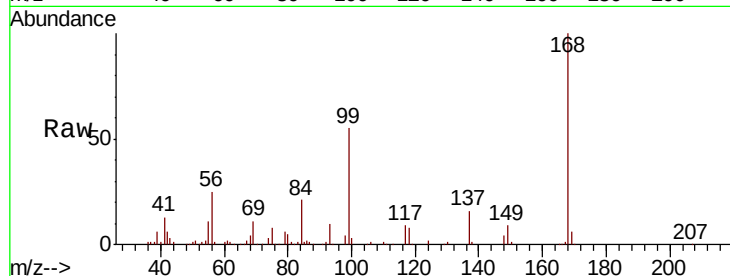
VN1112MBS01

Tot Ion:168 Resp: 405581

Ion Ratio Lower Upper

168 100

99 55.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059185.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059185.D (-1733) (-)

7.64

150000

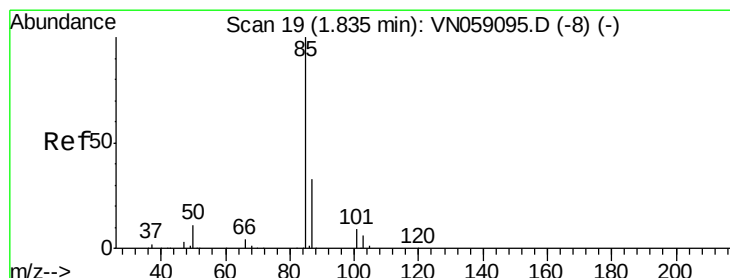
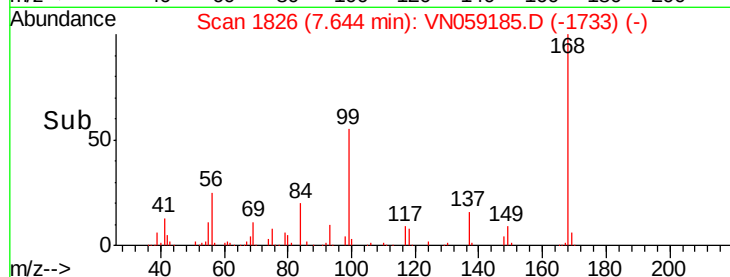
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.739 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059185.D

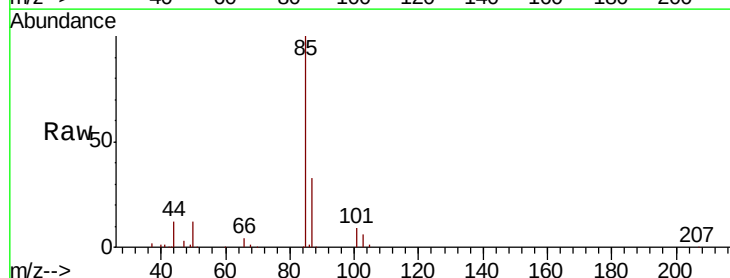
Acq: 12 Nov 2019 13:17

Tgt Ion: 85 Resp: 76577

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN059185.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN059185.D (-1) (-)

1.83

60000

50000

40000

30000

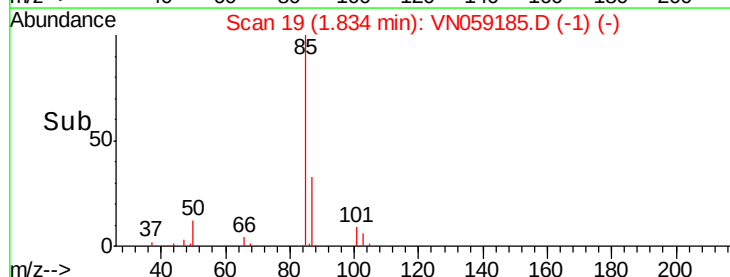
20000

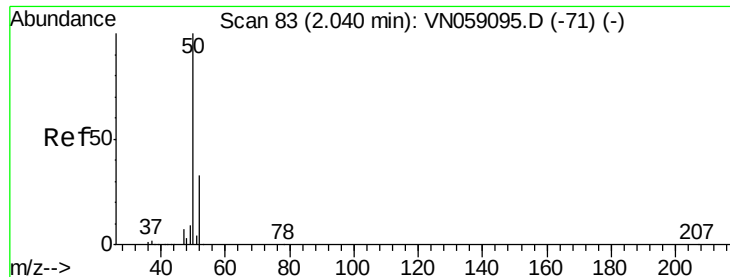
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.067 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

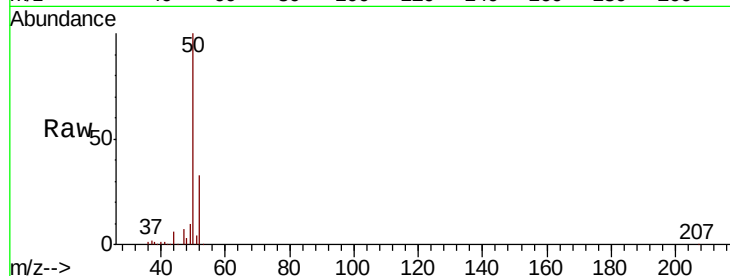
VN1112MBS01

Tot Ion: 50 Resp: 105914

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN059185.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN059185.D (-1) (-)

2.04

80000

60000

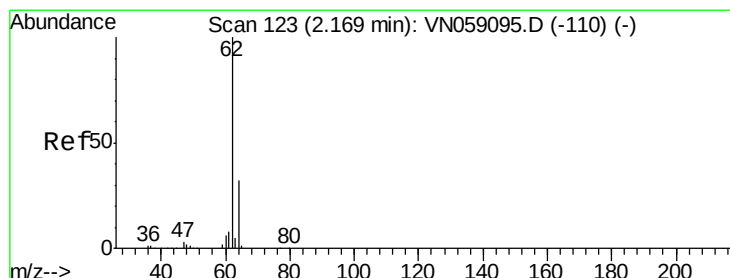
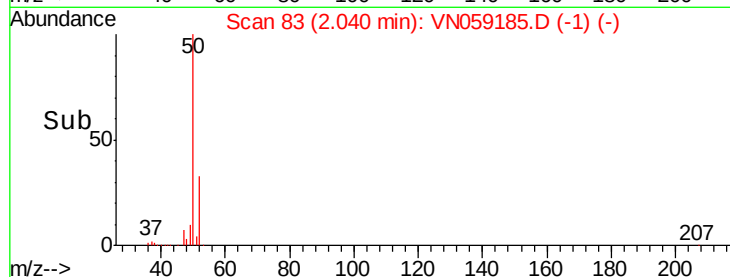
40000

20000

0

Time-->

1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 19.996 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059185.D

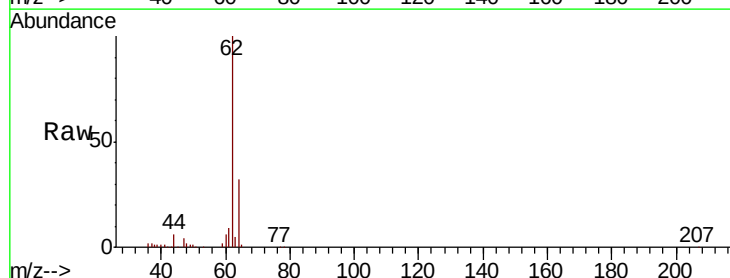
Acq: 12 Nov 2019 13:17

Tgt Ion: 62 Resp: 107687

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN059185.D (-30) (-)

Ion 63.90 (63.60 to 64.60): VN059185.D (-30) (-)

2.17

80000

60000

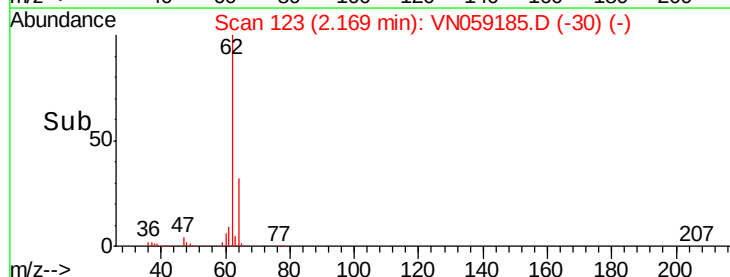
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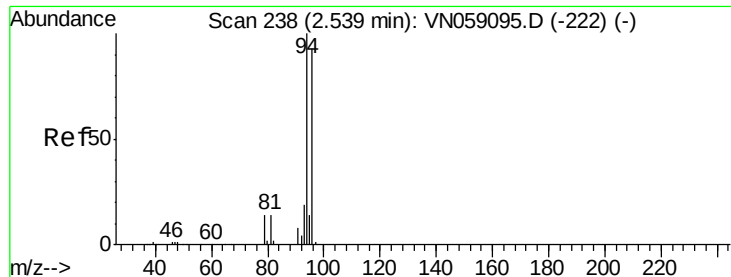
20000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 20.369 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

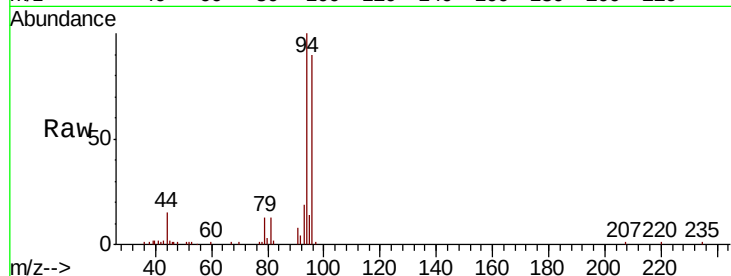
VN1112MBS01

Tot Ion: 94 Resp: 63126

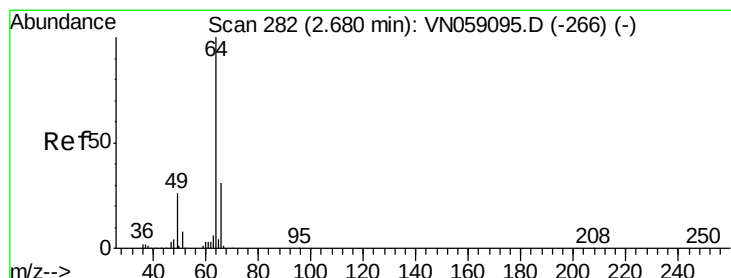
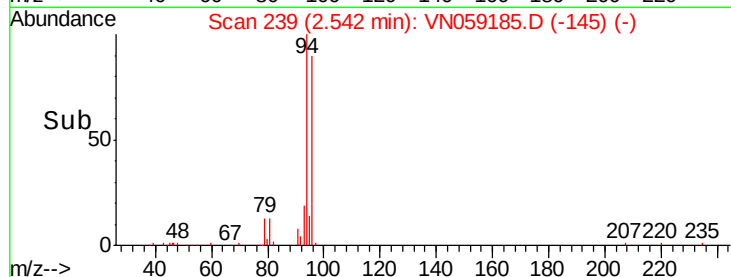
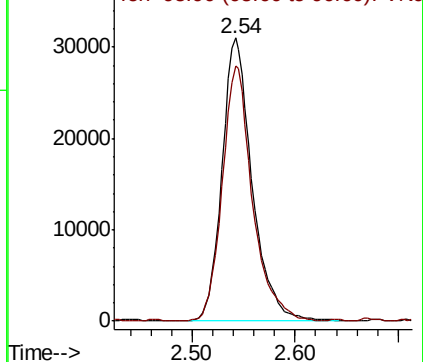
Ion Ratio Lower Upper

94 100

96 90.4 74.2 111.2



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



#6

Chloroethane

Concen: 20.556 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059185.D

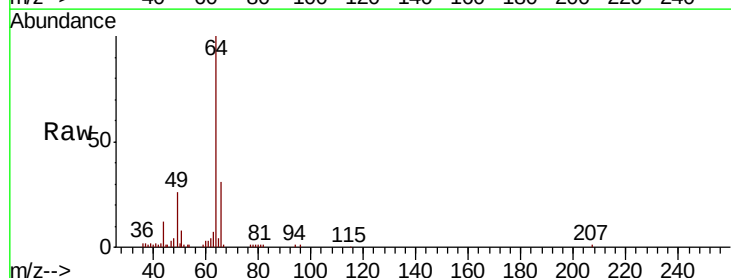
Acq: 12 Nov 2019 13:17

Tgt Ion: 64 Resp: 65486

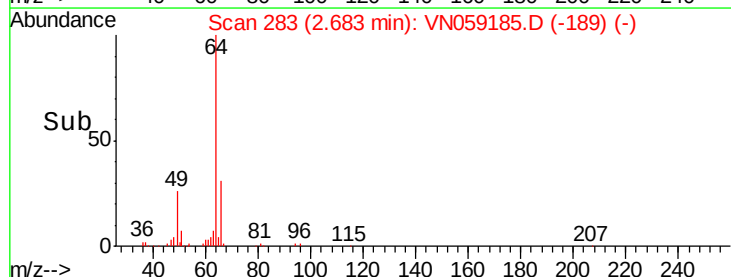
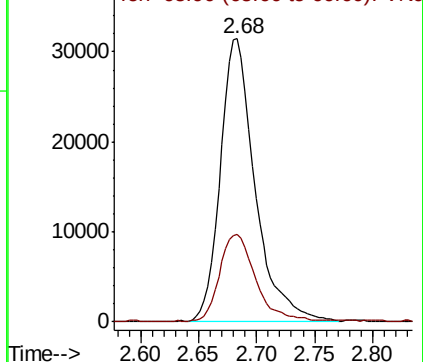
Ion Ratio Lower Upper

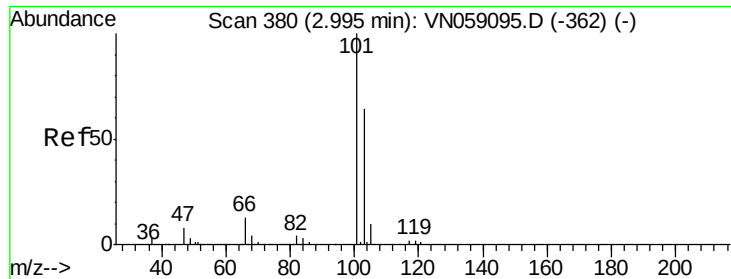
64 100

66 30.9 25.2 37.8



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



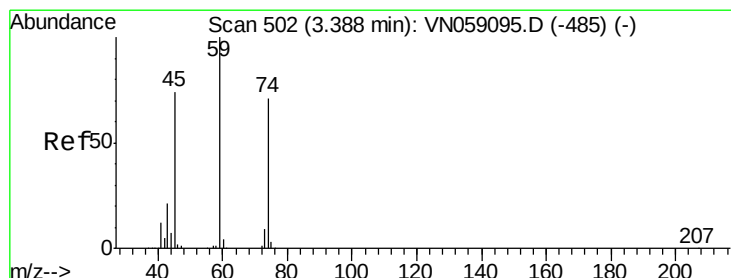
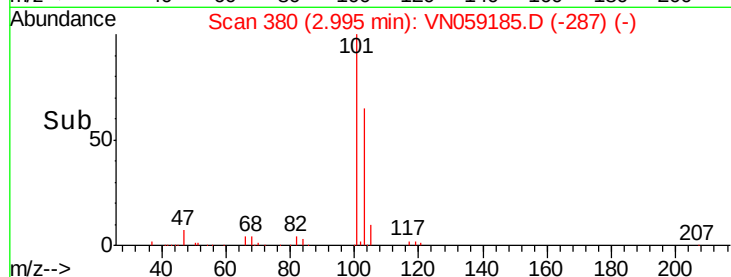
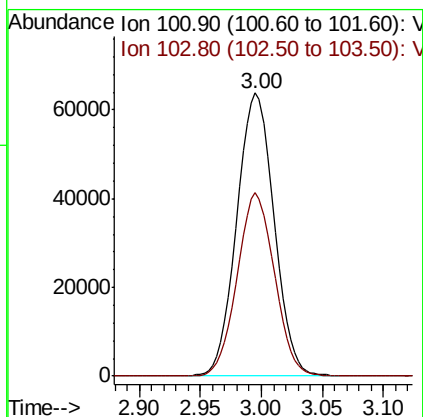
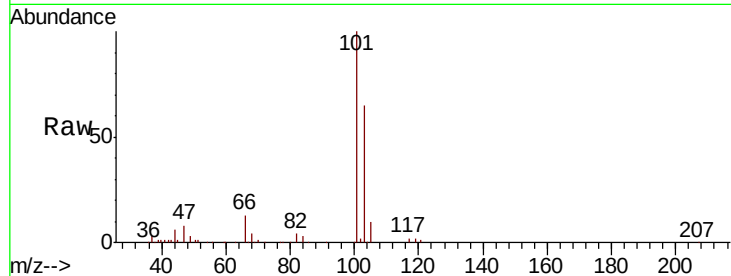


#7

Trichlorofluoromethane
 Concen: 20.975 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
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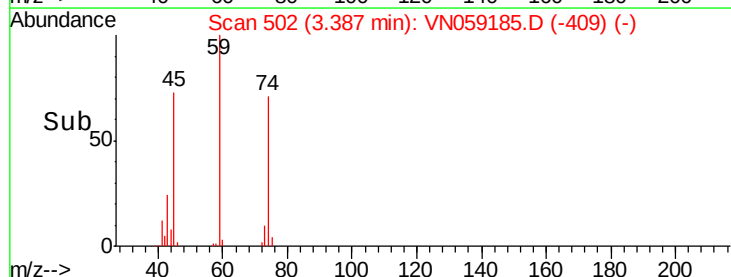
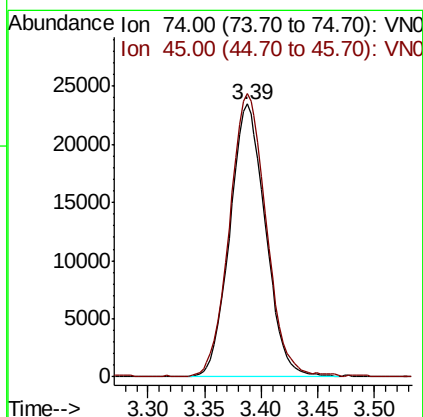
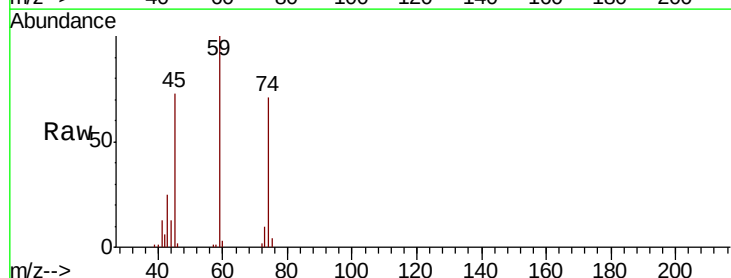
Tot Ion:101 Resp: 135114
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.2 76.8

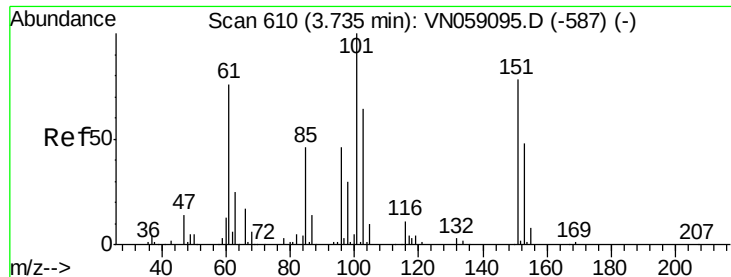


#8

Diethyl Ether
 Concen: 19.659 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion: 74 Resp: 51454
 Ion Ratio Lower Upper
 74 100
 45 107.5 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.188 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

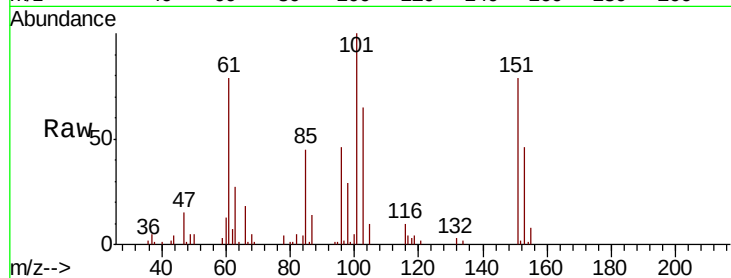
Tot Ion:101 Resp: 78409

Ion Ratio Lower Upper

101 100

85 44.3 35.5 53.3

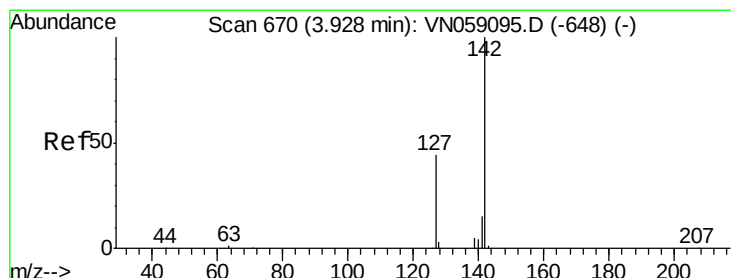
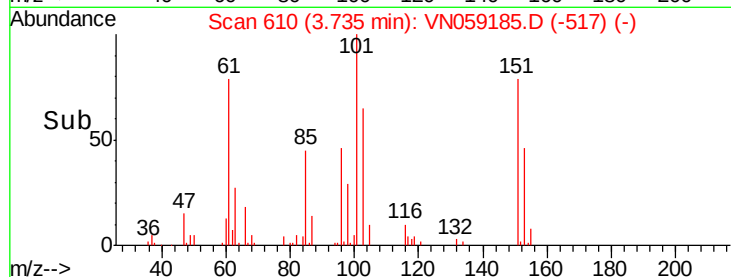
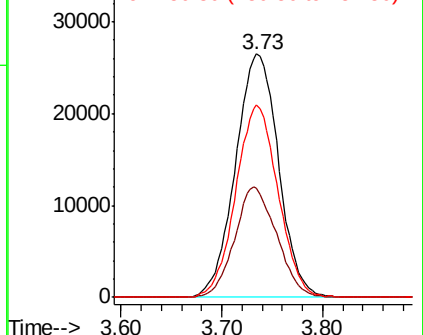
151 77.3 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.497 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

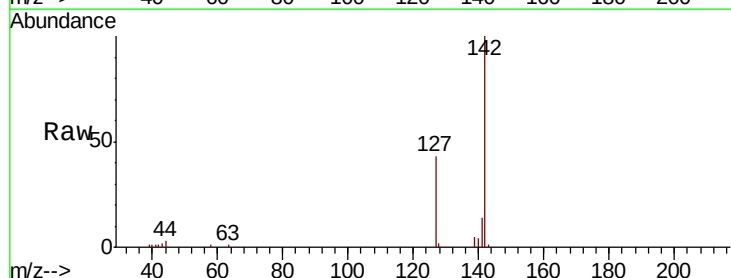
Tgt Ion:142 Resp: 93732

Ion Ratio Lower Upper

142 100

127 42.6 34.2 51.2

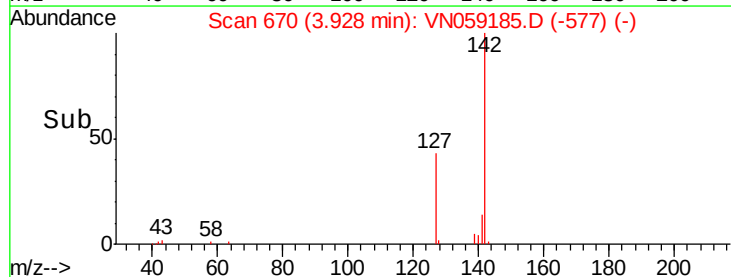
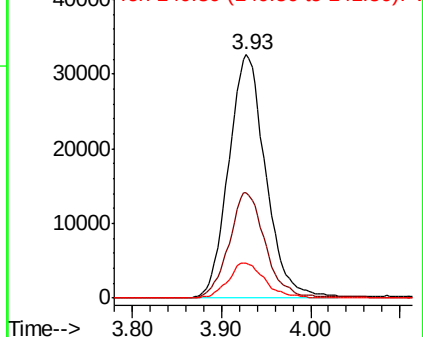
141 14.3 11.4 17.0

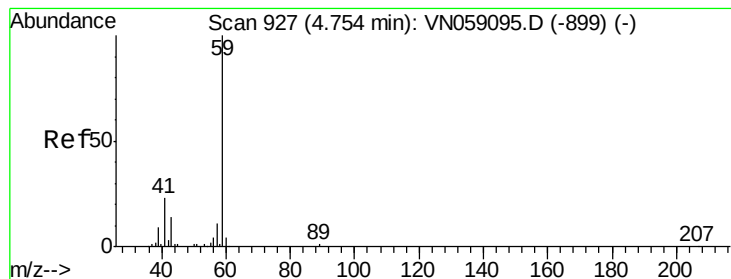


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



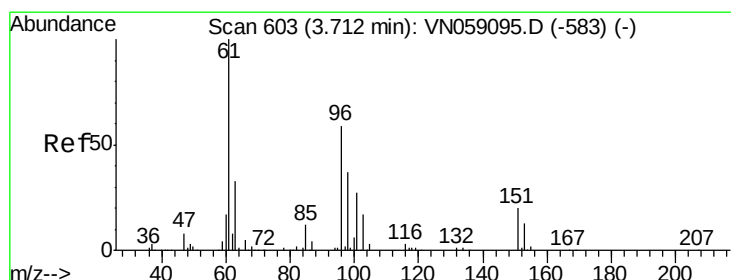
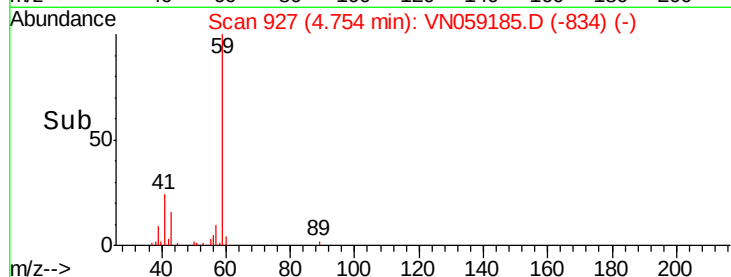
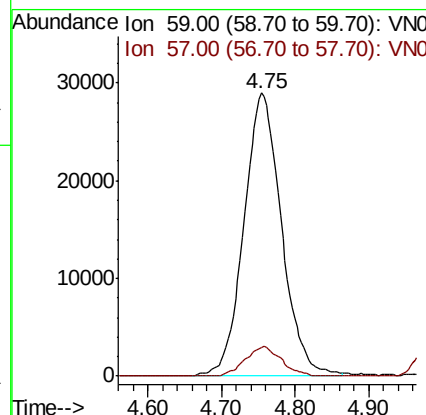
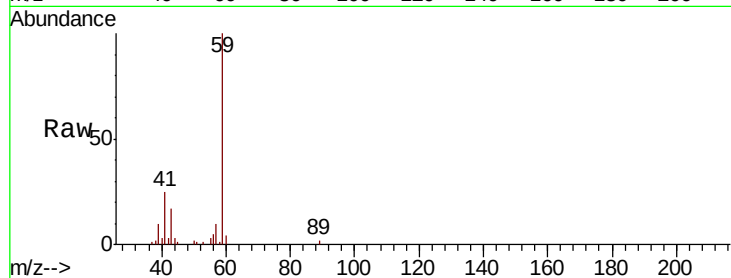


#11

Tert butyl alcohol
 Concen: 108.290 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

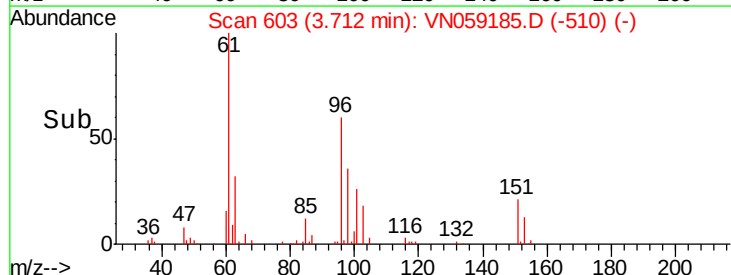
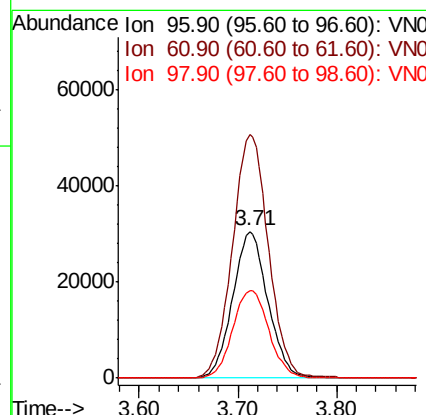
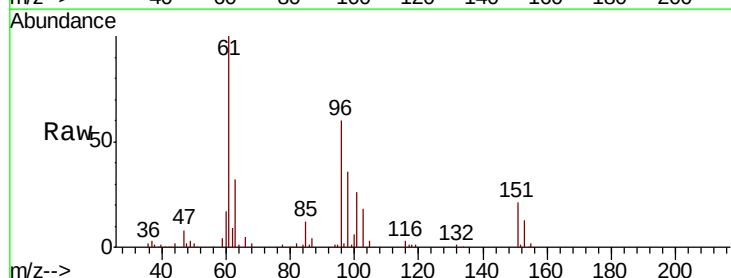
Tot Ion: 59 Resp: 102892
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.3 12.5

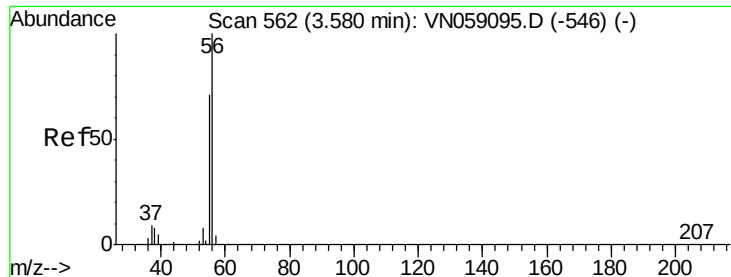


#12

1,1-Dichloroethene
 Concen: 19.998 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion: 96 Resp: 75661
 Ion Ratio Lower Upper
 96 100
 61 166.2 136.5 204.7
 98 59.3 50.2 75.4





#13

Acrolein

Concen: 74.665 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

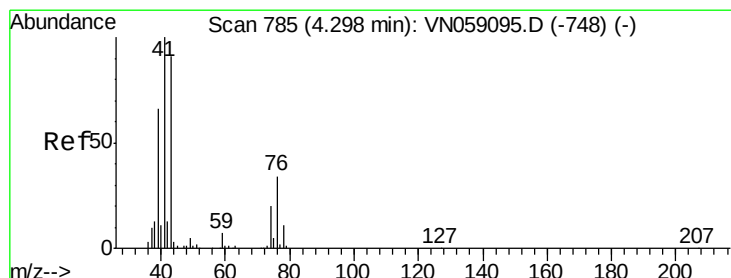
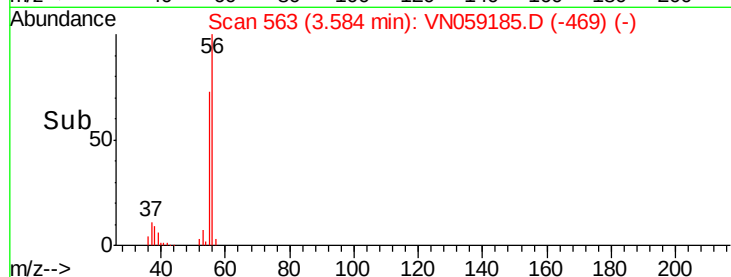
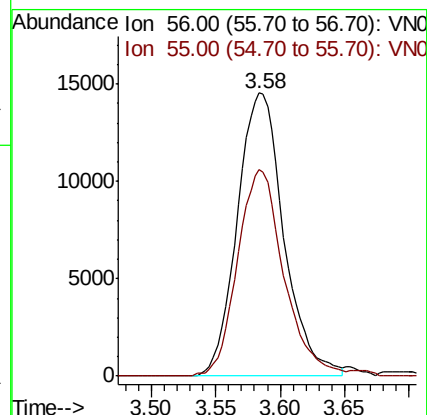
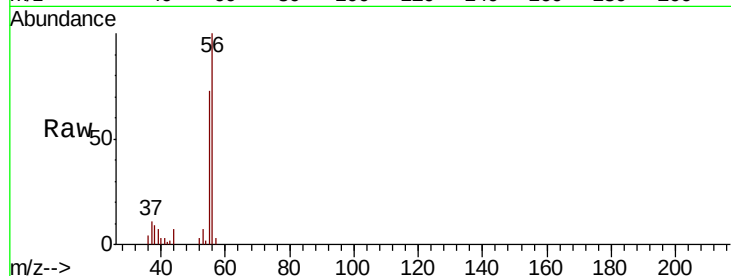
VN1112MBS01

Tot Ion: 56 Resp: 36577

Ion Ratio Lower Upper

56 100

55 72.3 56.4 84.6



#14

Allyl chloride

Concen: 19.529 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

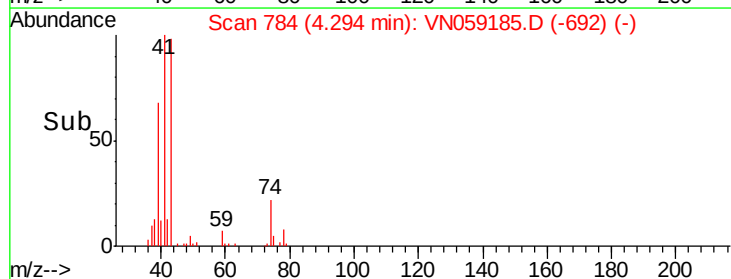
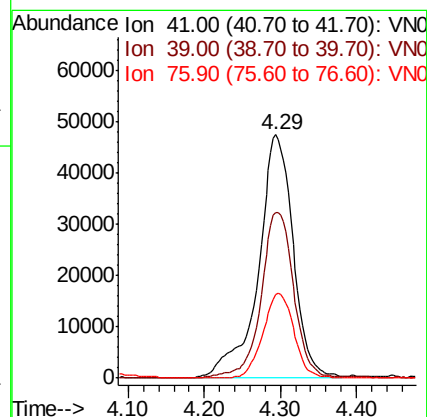
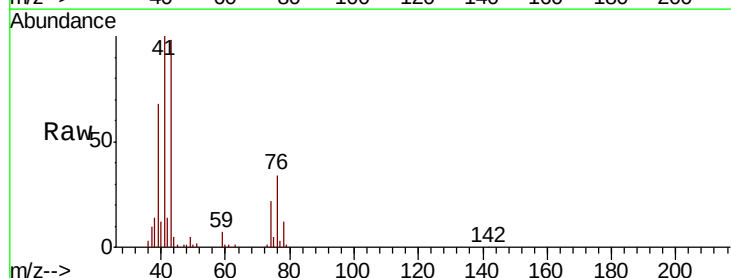
Tgt Ion: 41 Resp: 151770

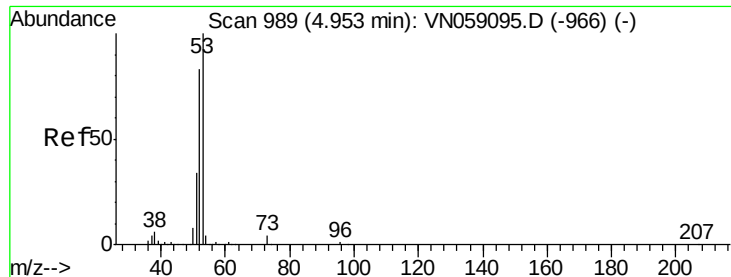
Ion Ratio Lower Upper

41 100

39 63.9 49.1 73.7

76 30.9 24.9 37.3





#15

Acrylonitrile

Concen: 104.373 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

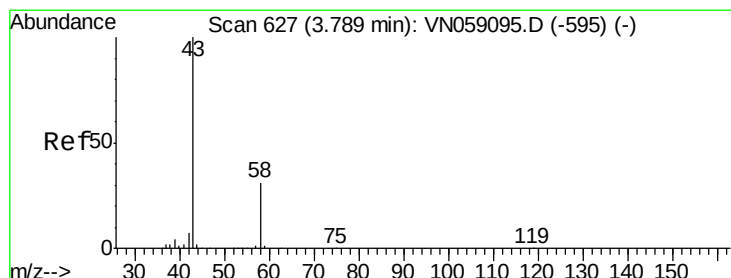
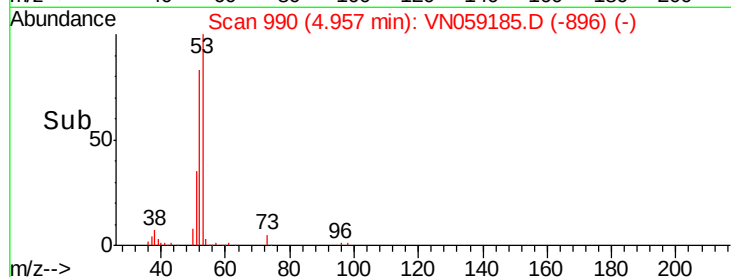
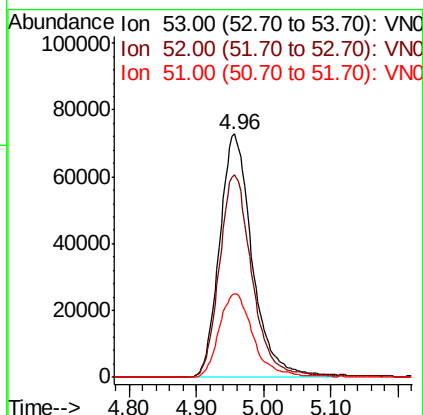
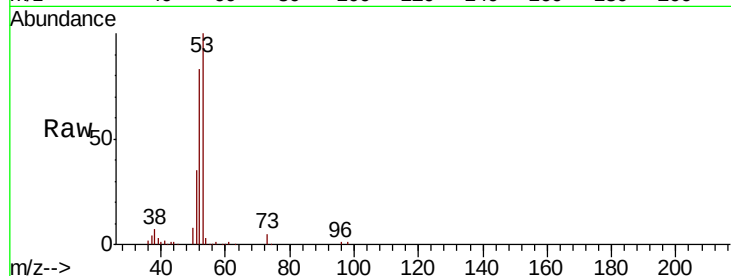
Tot Ion: 53 Resp: 246800

Ion Ratio Lower Upper

53 100

52 83.4 65.0 97.6

51 35.6 28.0 42.0



#16

Acetone

Concen: 98.968 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059185.D

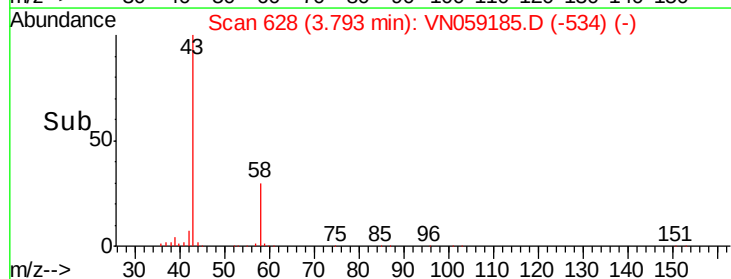
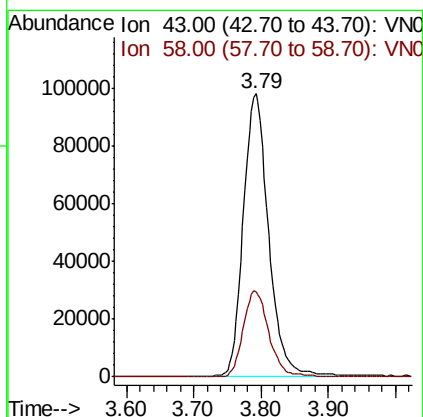
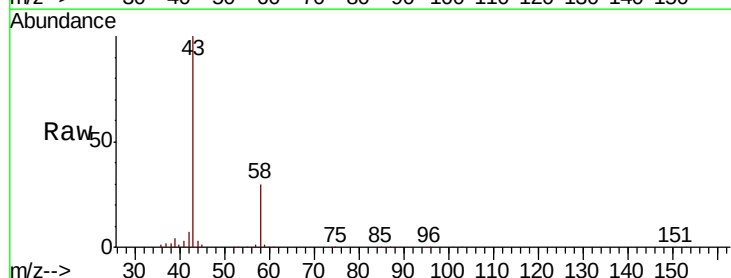
Acq: 12 Nov 2019 13:17

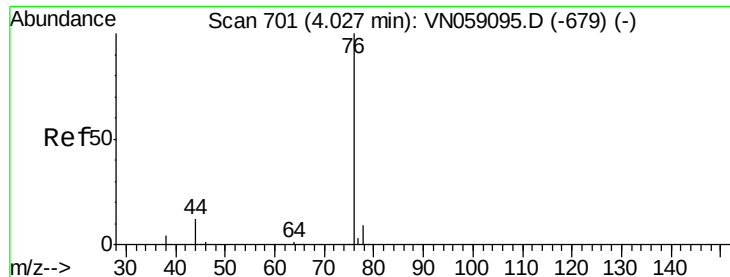
Tgt Ion: 43 Resp: 256587

Ion Ratio Lower Upper

43 100

58 30.0 24.9 37.3





#17

Carbon Disulfide

Concen: 17.664 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

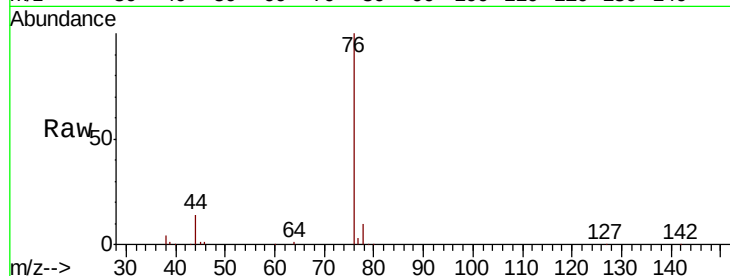
VN1112MBS01

Tot Ion: 76 Resp: 207458

Ion Ratio Lower Upper

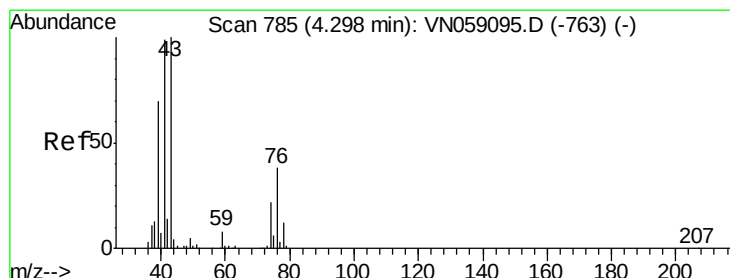
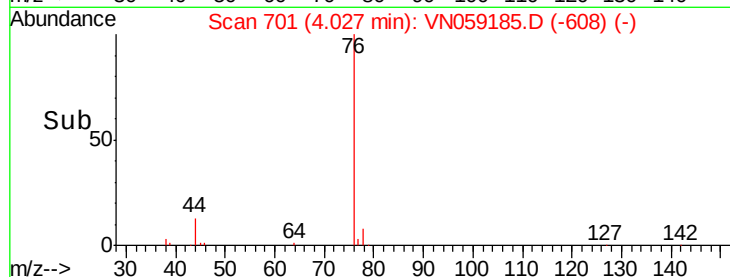
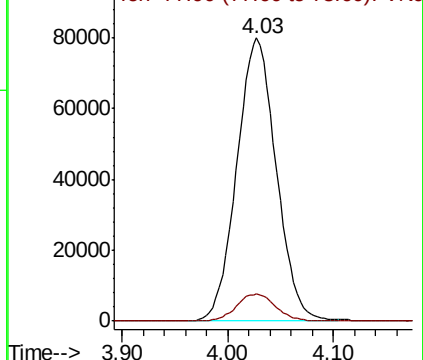
76 100

78 9.6 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.273 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059185.D

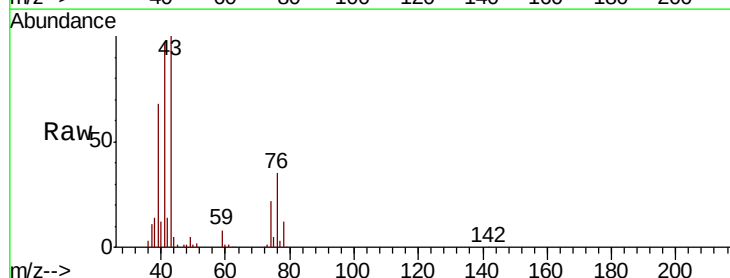
Acq: 12 Nov 2019 13:17

Tgt Ion: 43 Resp: 137062

Ion Ratio Lower Upper

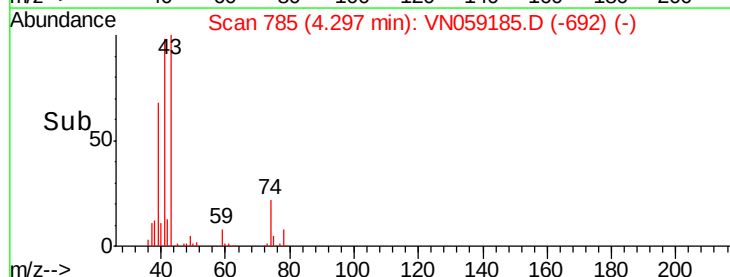
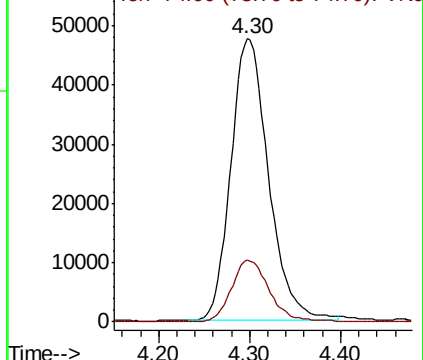
43 100

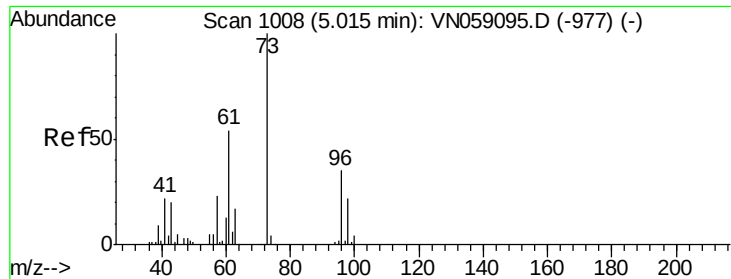
74 22.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

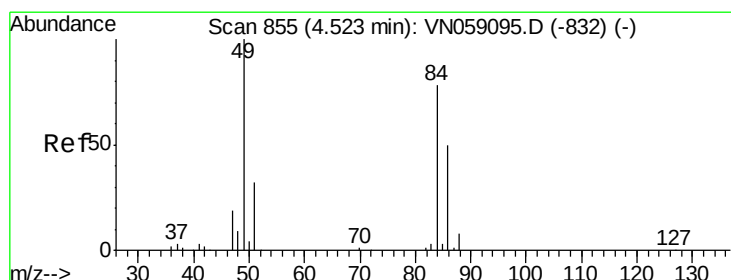
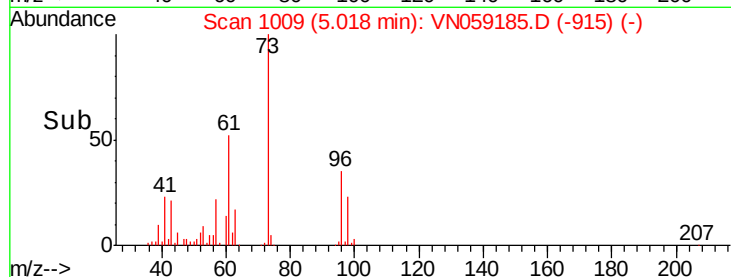
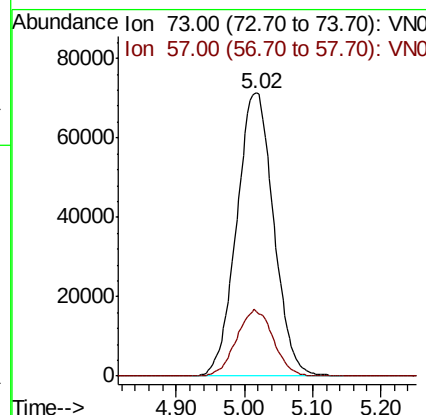
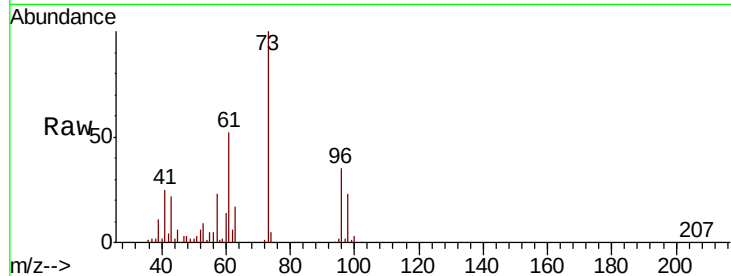




#19
Methyl tert-butyl Ether
Concen: 20.616 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

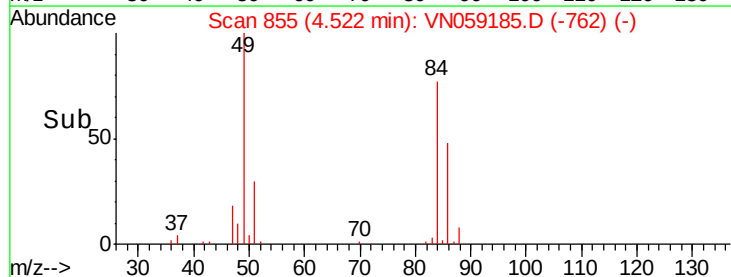
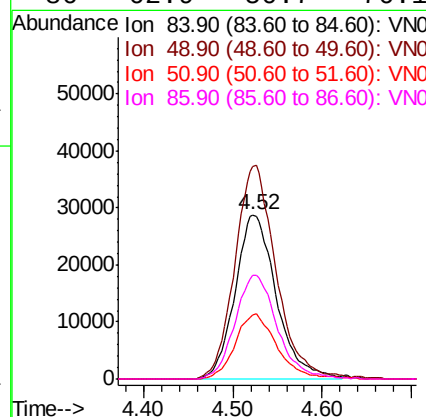
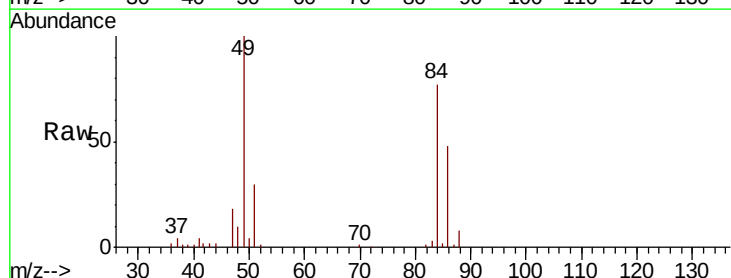
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

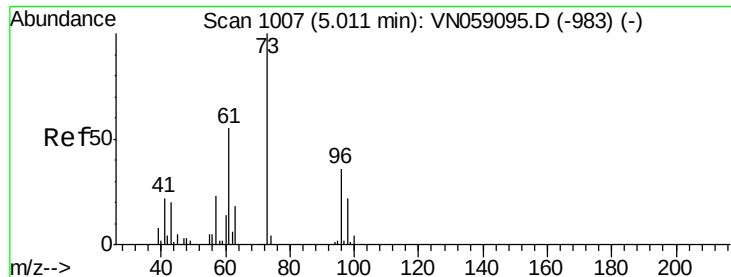
Tot Ion: 73 Resp: 268541
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 20.489 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion: 84 Resp: 92545
Ion Ratio Lower Upper
84 100
49 129.8 102.0 153.0
51 39.3 32.2 48.2
86 62.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 20.057 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

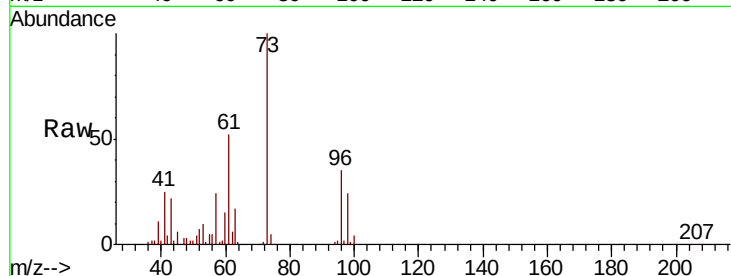
Tot Ion: 96 Resp: 81455

Ion Ratio Lower Upper

96 100

61 149.1 122.6 183.8

98 69.1 50.3 75.5

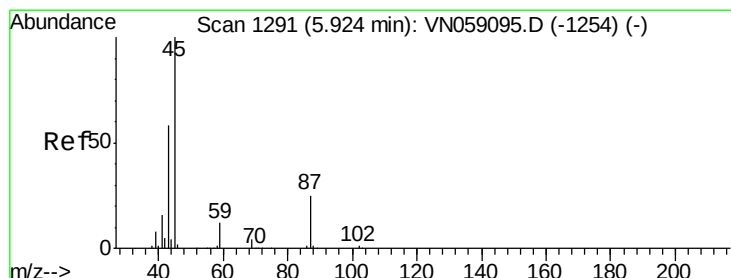
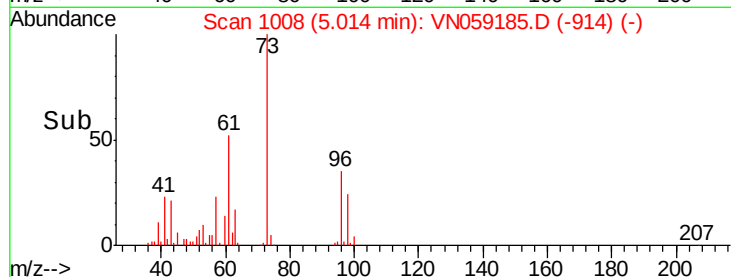
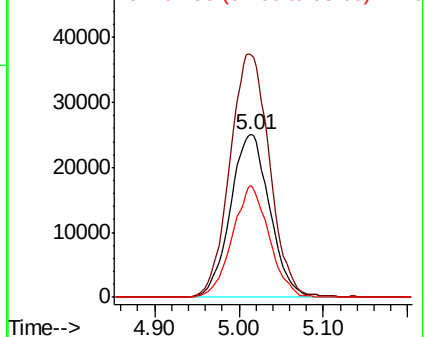


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.086 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion: 45 Resp: 309540

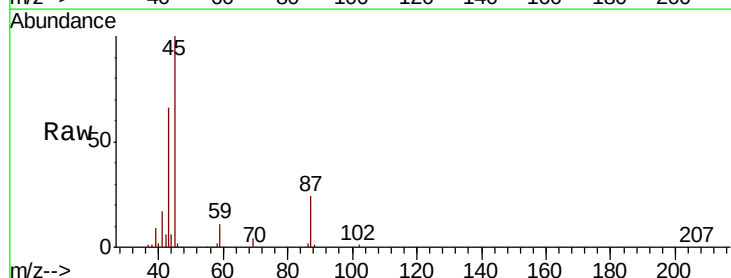
Ion Ratio Lower Upper

45 100

43 64.4 46.7 70.1

87 24.1 20.5 30.7

59 10.9 9.6 14.4



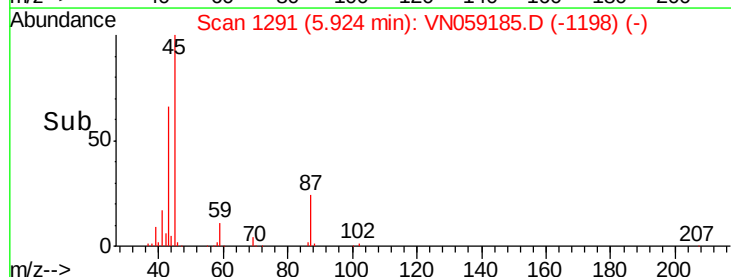
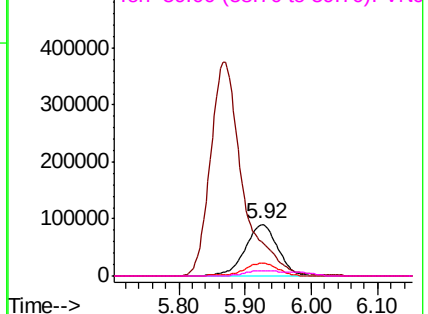
Abundance

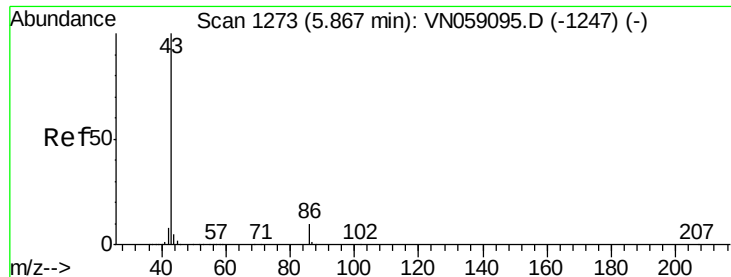
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 111.370 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

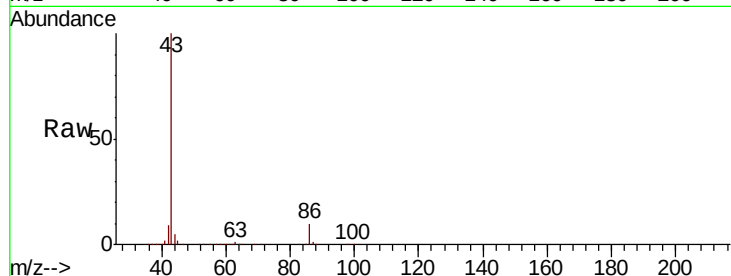
VN1112MBS01

Tot Ion: 43 Resp: 1267043

Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

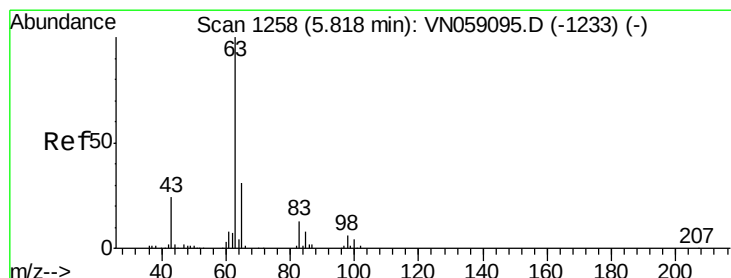
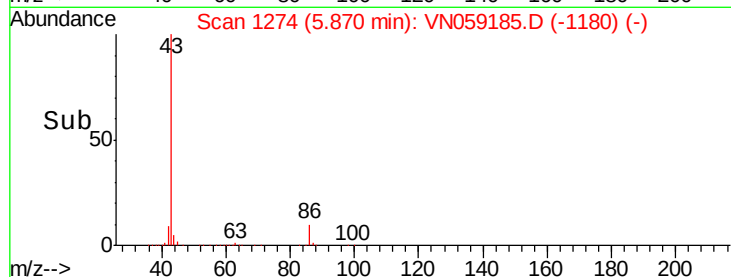
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.791 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

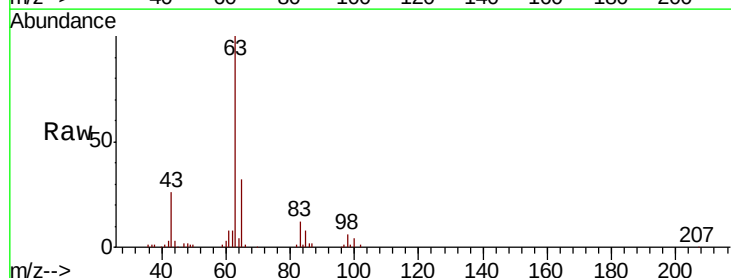
Tgt Ion: 63 Resp: 170465

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

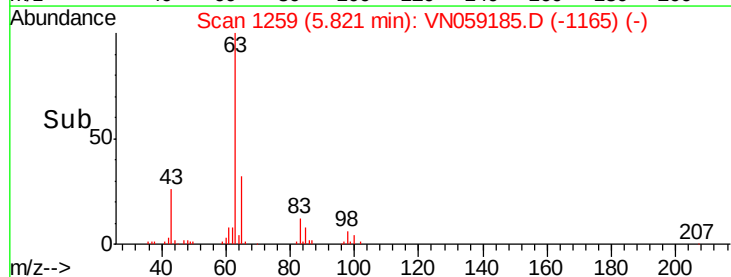
60000

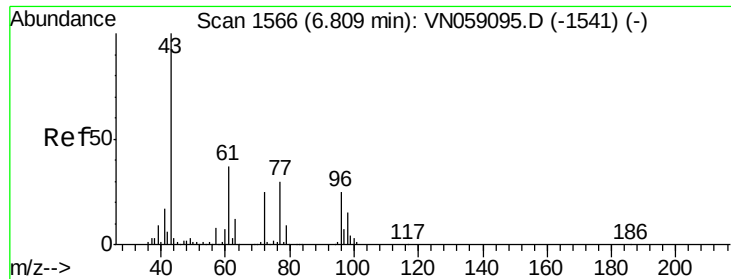
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 104.723 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

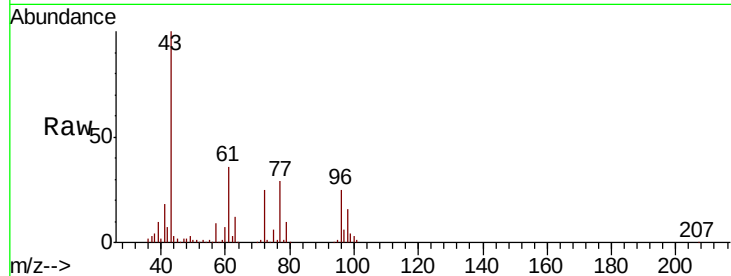
VN1112MBS01

Tot Ion: 43 Resp: 357831

Ion Ratio Lower Upper

43 100

72 25.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN059185.D (-1541) (-)

Ion 72.00 (71.70 to 72.70): VN059185.D (-1541) (-)

6.81

150000

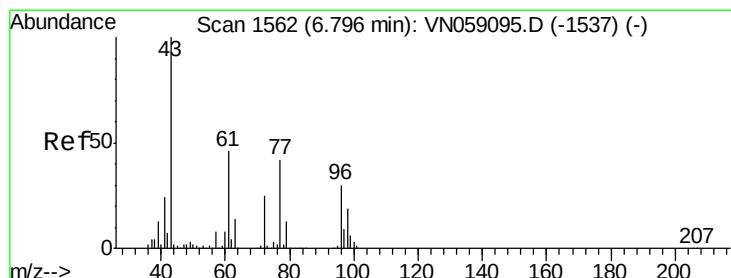
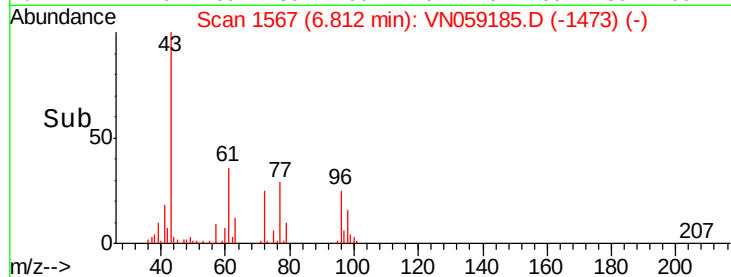
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 19.968 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059185.D

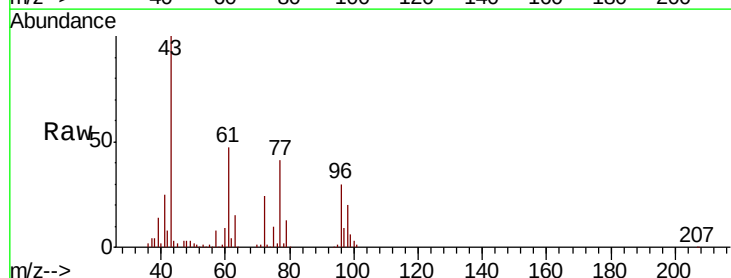
Acq: 12 Nov 2019 13:17

Tgt Ion: 77 Resp: 143156

Ion Ratio Lower Upper

77 100

97 21.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN059185.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059185.D (-1469) (-)

6.80

50000

40000

30000

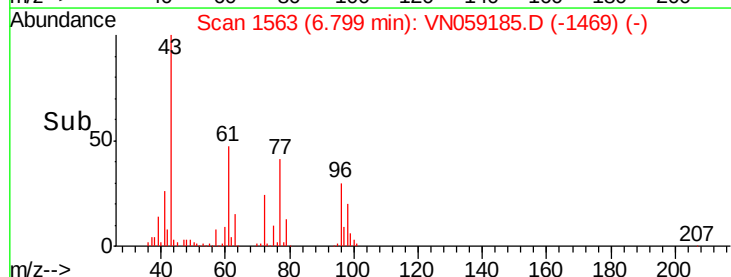
20000

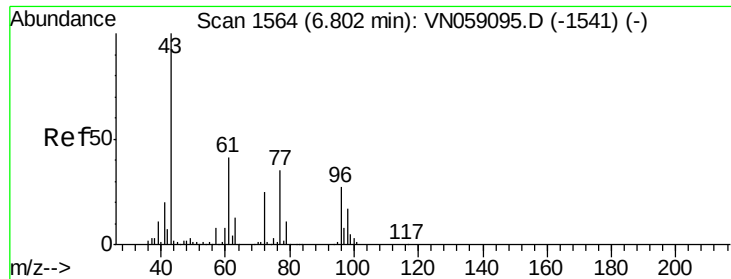
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.534 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

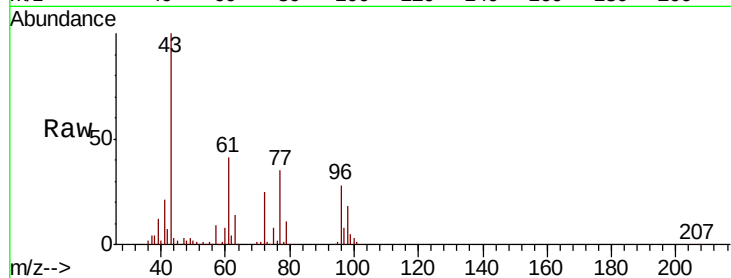
Tot Ion: 96 Resp: 96749

Ion Ratio Lower Upper

96 100

61 155.6 0.0 311.6

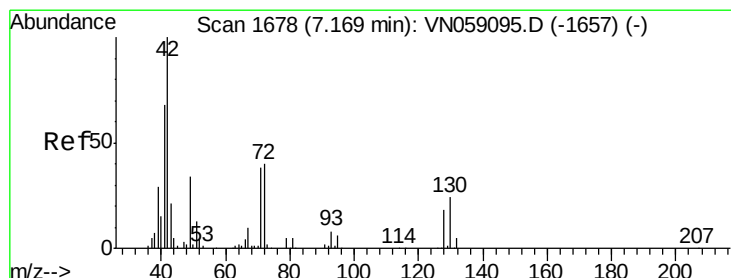
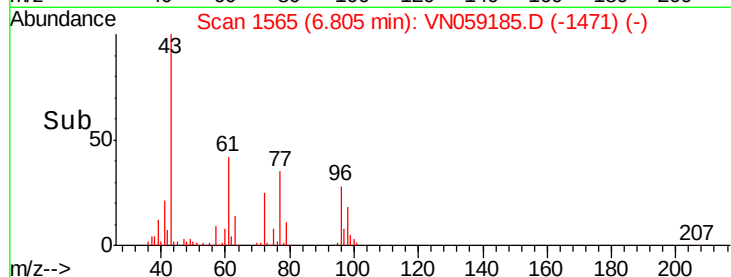
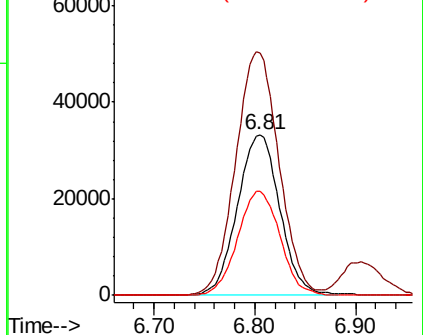
98 64.9 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059185.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059185.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059185.D (-1471) (-)



#28

Bromochloromethane

Concen: 21.310 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

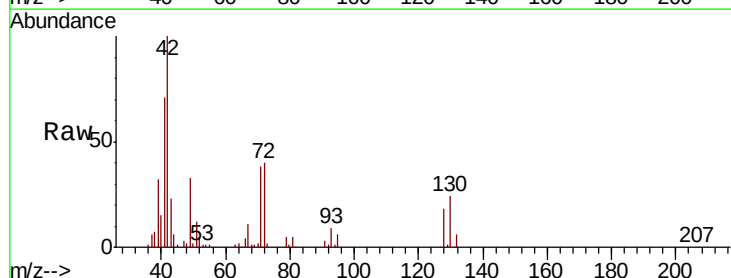
Tgt Ion: 49 Resp: 52566

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

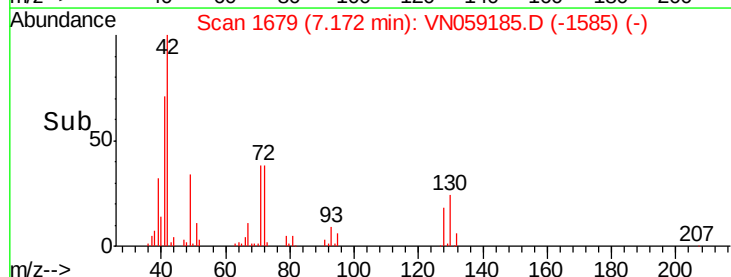
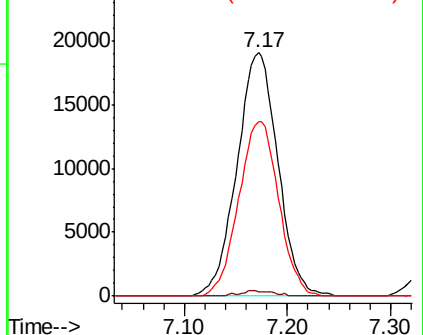
130 70.0 55.6 83.4

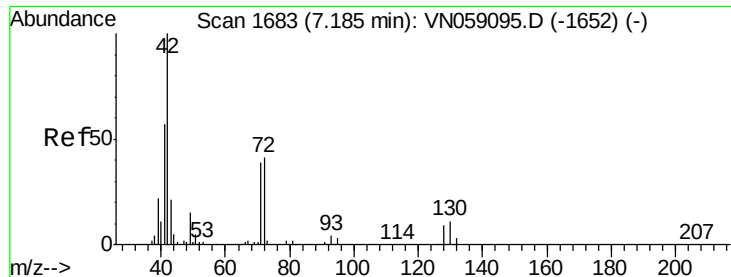


Abundance Ion 48.90 (48.60 to 49.60): VN059185.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059185.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059185.D (-1585) (-)

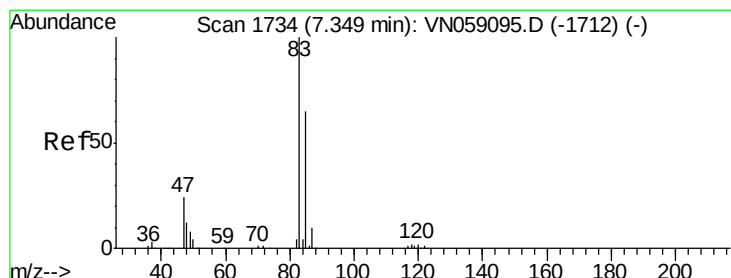
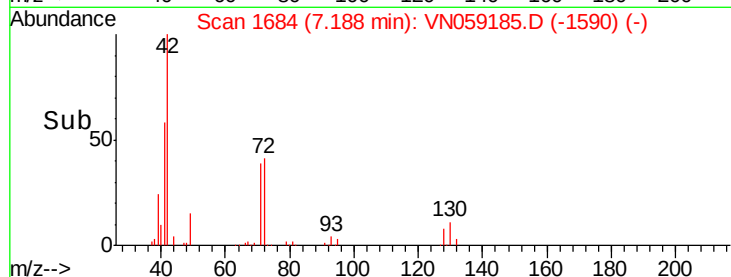
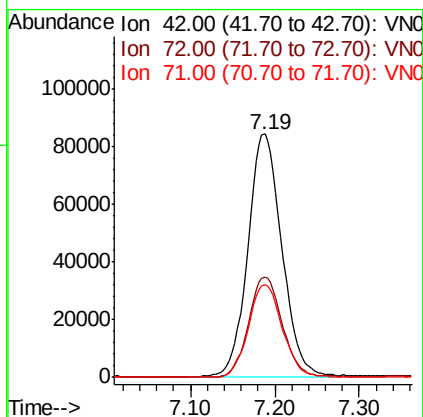
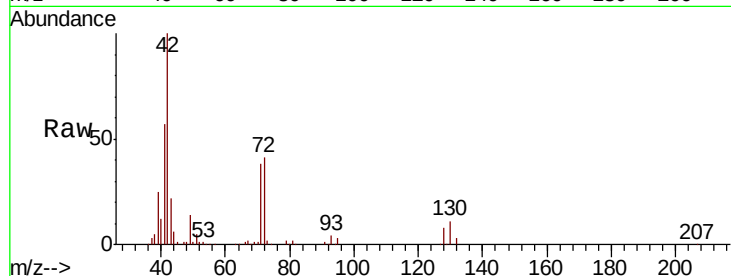




#29
Tetrahydrofuran
Concen: 109.334 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

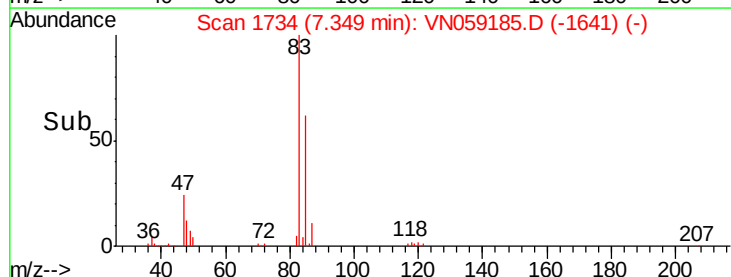
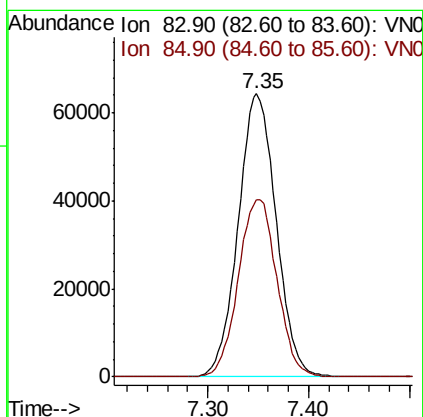
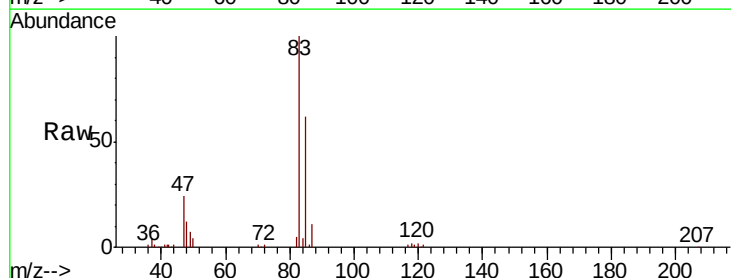
Instrument :
MSVOA_N
ClientSampled :
VN1112MBS01

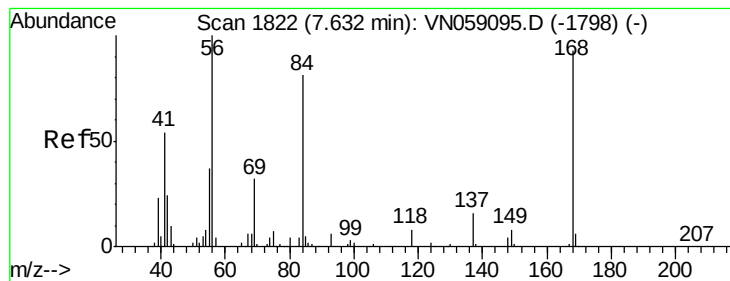
Tot Ion: 42 Resp: 237376
Ion Ratio Lower Upper
42 100
72 40.6 33.1 49.7
71 37.9 30.9 46.3



#30
Chloroform
Concen: 21.340 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion: 83 Resp: 167842
Ion Ratio Lower Upper
83 100
85 62.4 51.8 77.8





#31

Cyclohexane

Concen: 18.884 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN1112MBS01

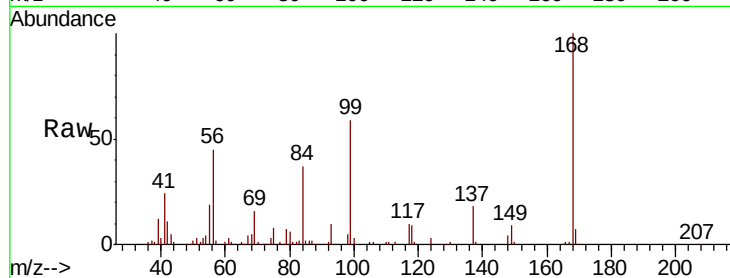
Tot Ion: 56 Resp: 146575

Ion Ratio Lower Upper

56 100

69 34.6 25.8 38.8

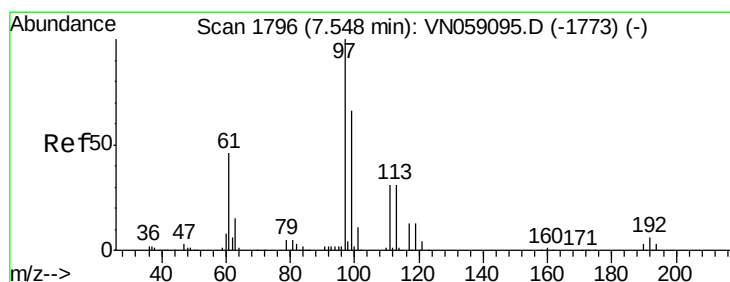
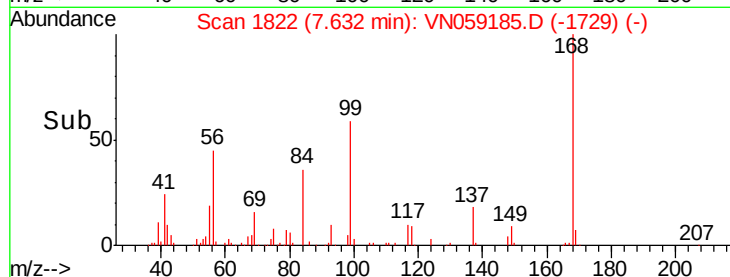
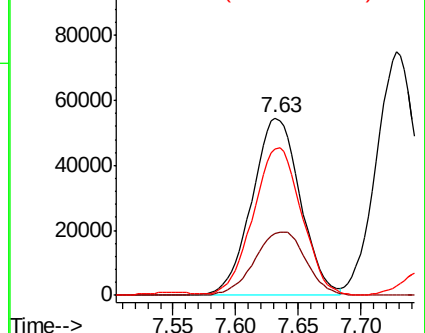
84 81.4 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.548 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

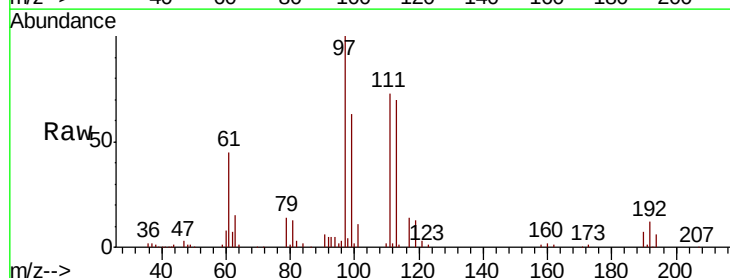
Tgt Ion: 97 Resp: 142489

Ion Ratio Lower Upper

97 100

99 63.2 51.0 76.6

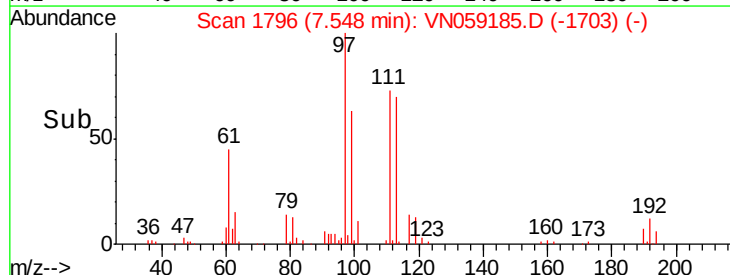
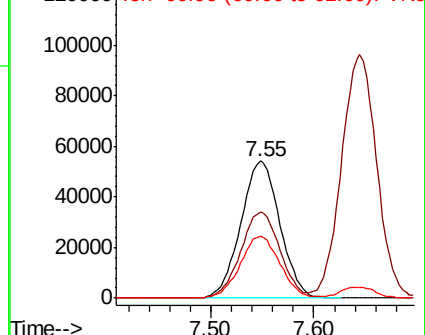
61 46.0 35.8 53.8

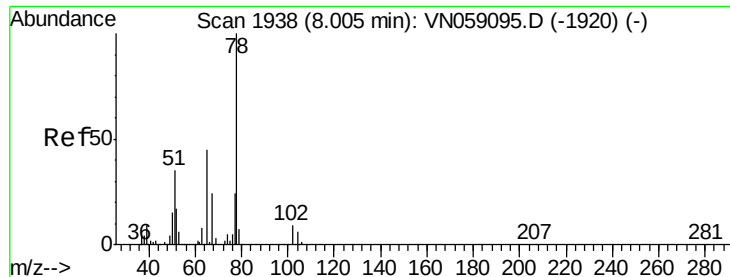


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

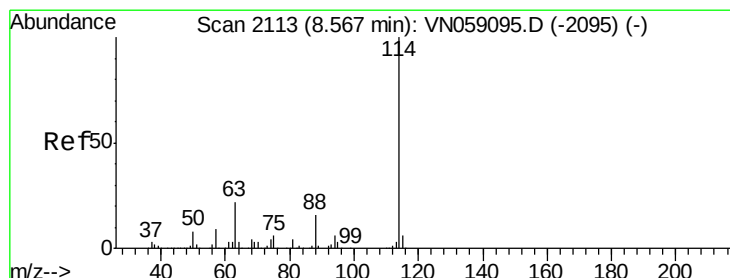
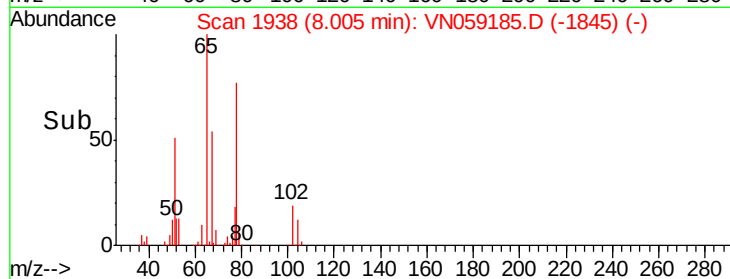
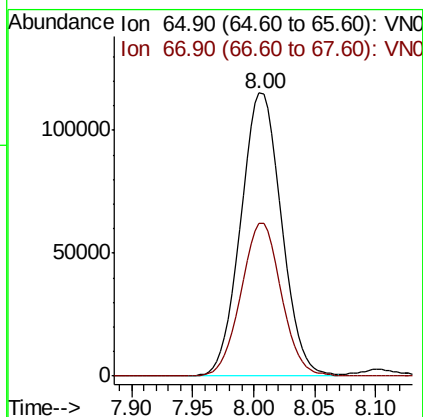
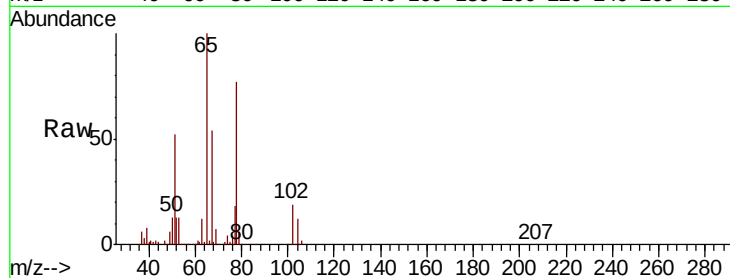




#33
 1,2-Dichloroethane-d4
 Concen: 53.387 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

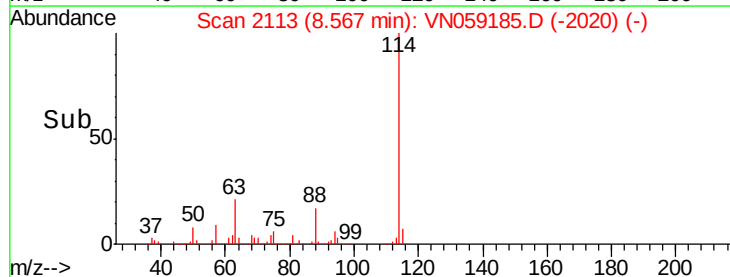
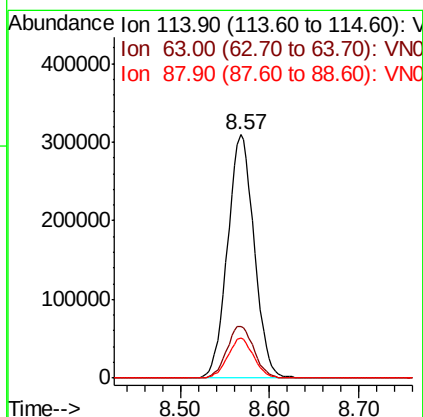
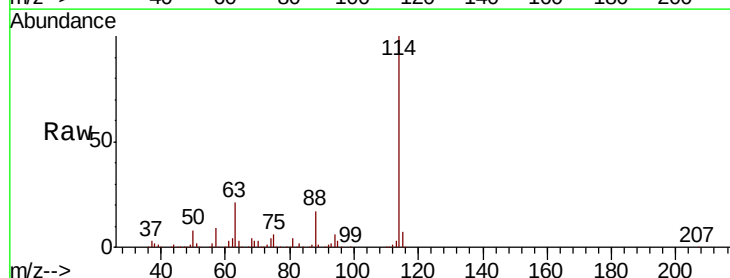
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

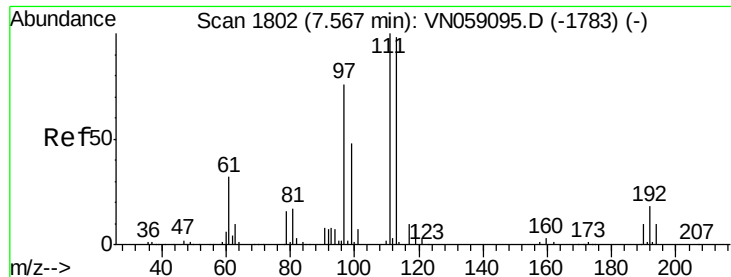
Tot Ion: 65 Resp: 266166
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion: 114 Resp: 638713
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.4
 88 16.6 0.0 32.2

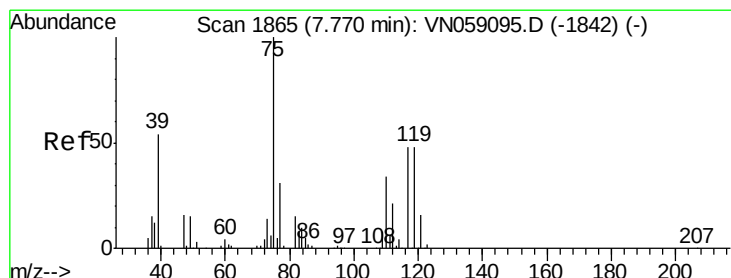
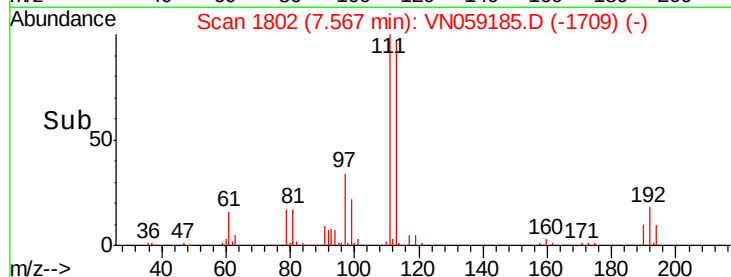
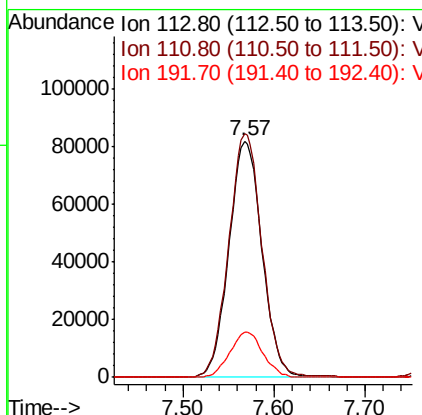
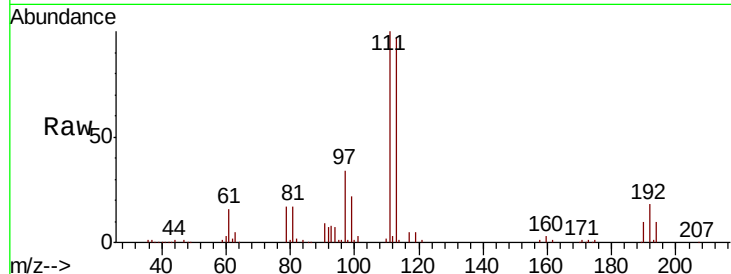




#35
Dibromofluoromethane
Concen: 54.264 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

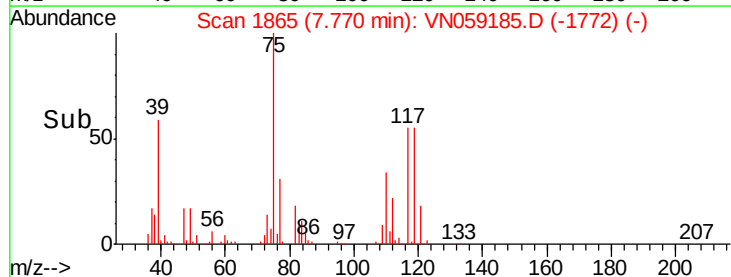
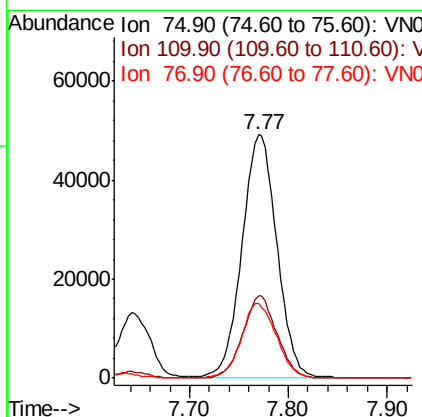
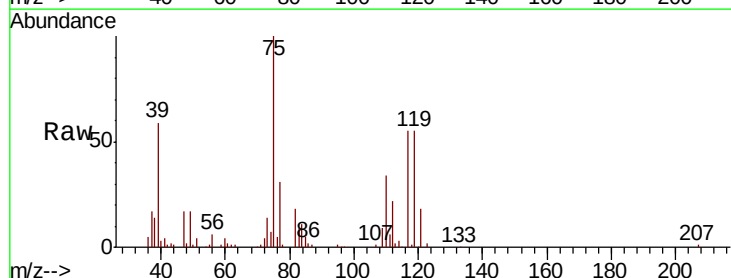
Instrument :
MSVOA_N
ClientSampled :
VN1112MBS01

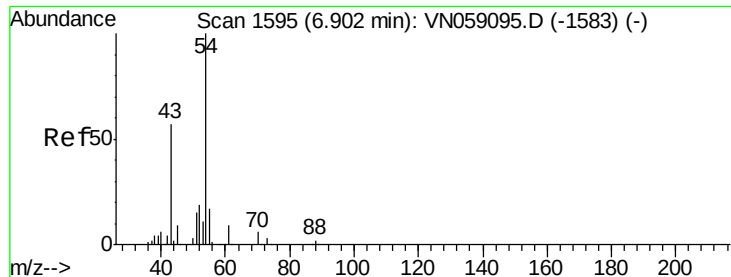
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	19.1	16.1	24.1



#36
1,1-Dichloropropene
Concen: 20.195 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	17.1	51.2
77	30.8	24.8	37.2

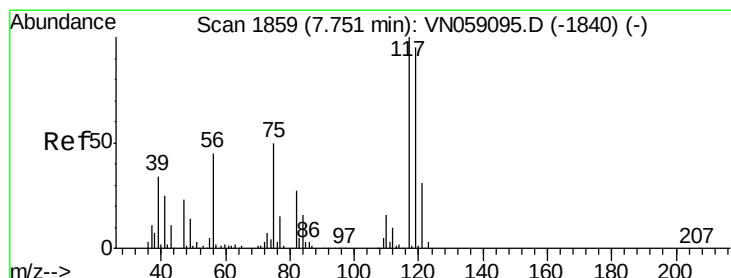
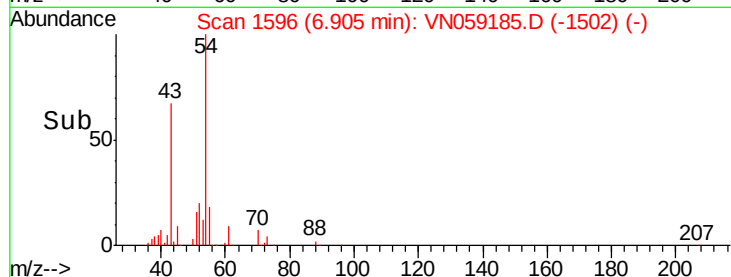
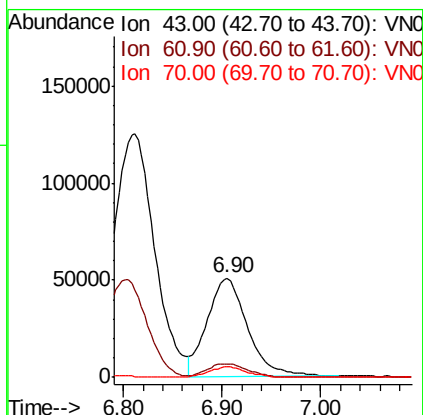
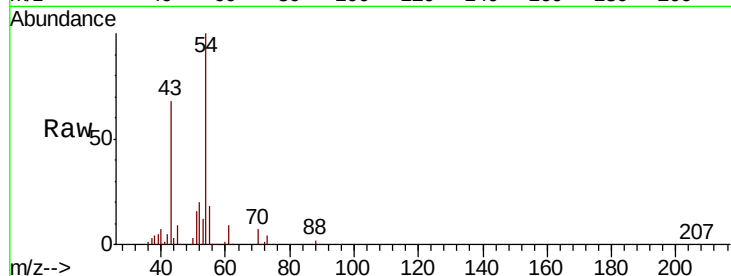




#37
Ethyl Acetate
Concen: 21.700 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

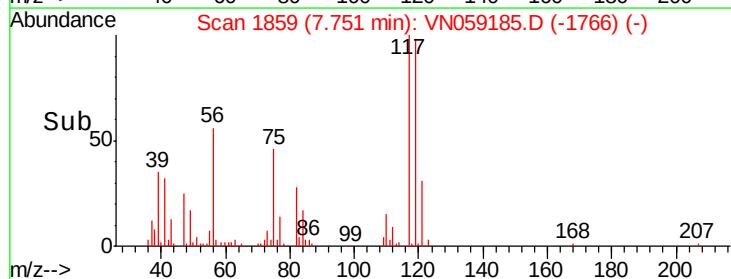
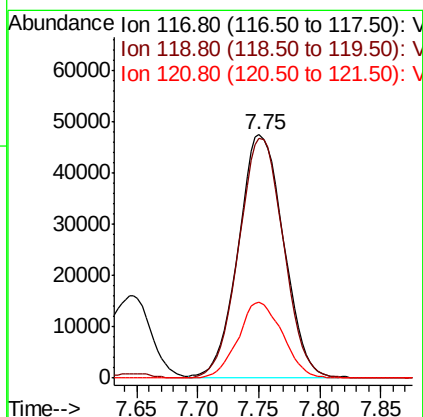
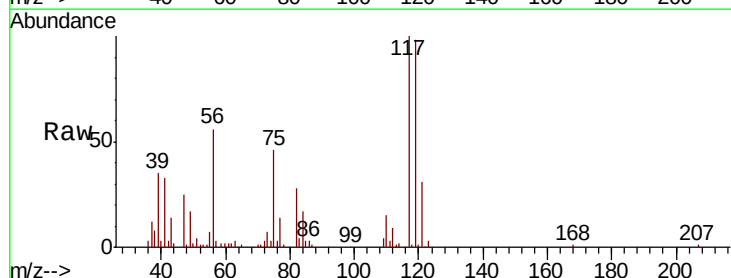
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

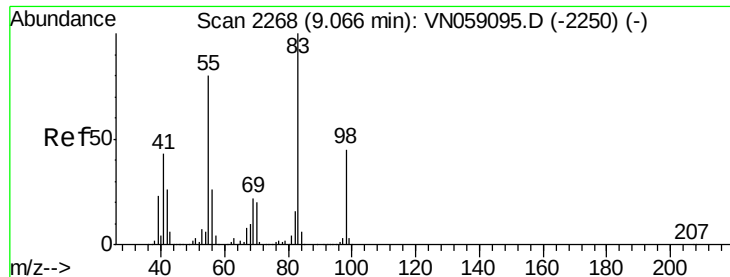
Tot Ion: 43 Resp: 144122
Ion Ratio Lower Upper
43 100
61 14.1 11.2 16.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.432 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion: 117 Resp: 121411
Ion Ratio Lower Upper
117 100
119 98.7 75.6 113.4
121 31.1 24.6 36.8

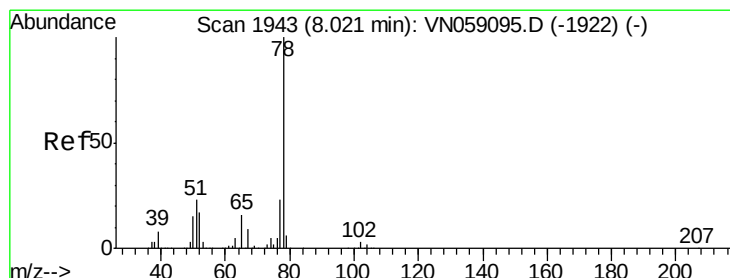
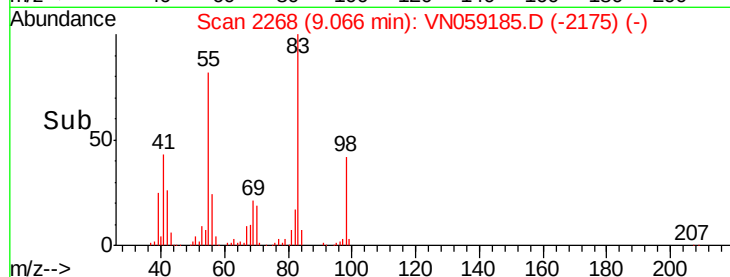
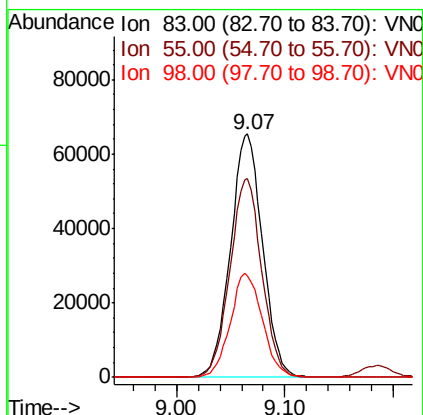
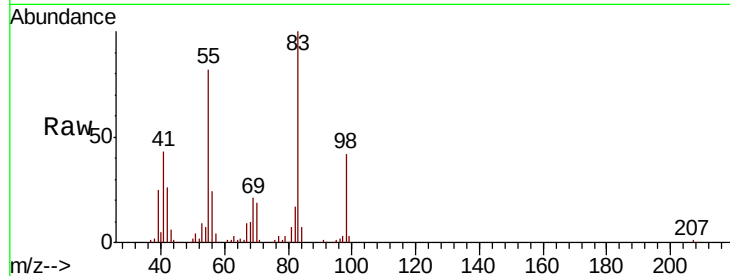




#39
Methylvlcyclohexane
Concen: 19.519 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

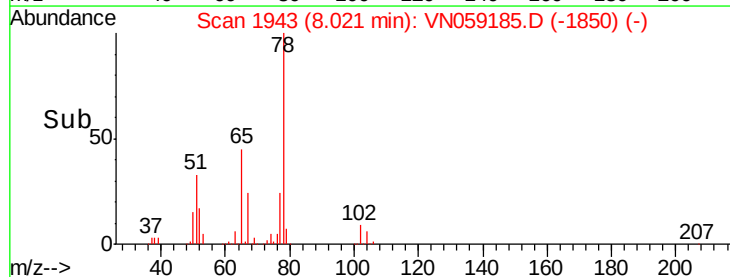
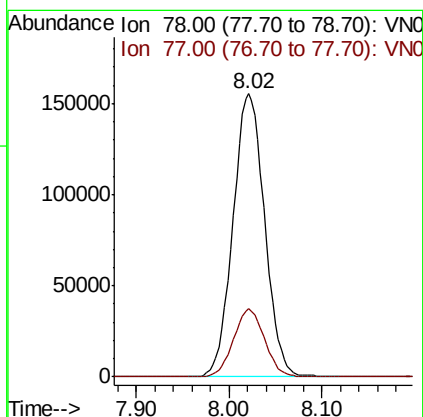
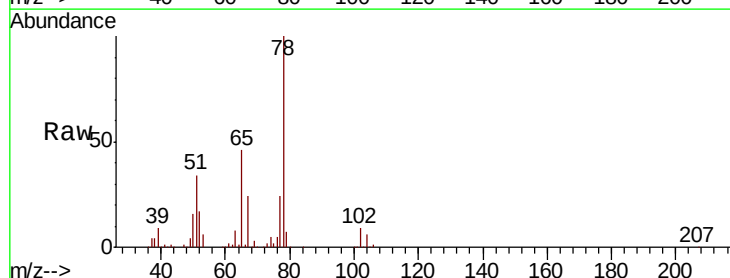
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

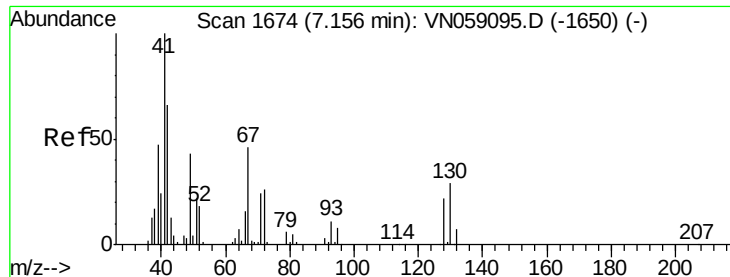
Tot Ion: 83 Resp: 135246
Ion Ratio Lower Upper
83 100
55 81.6 63.9 95.9
98 41.6 35.6 53.4



#40
Benzene
Concen: 20.460 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion: 78 Resp: 367832
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

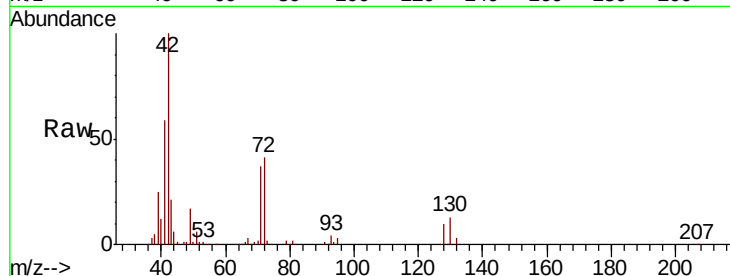




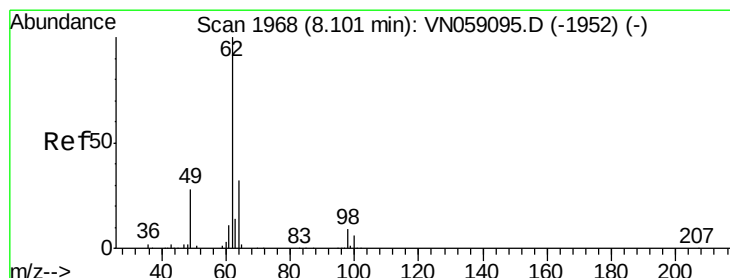
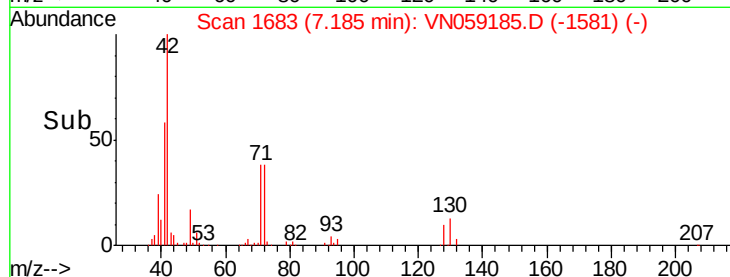
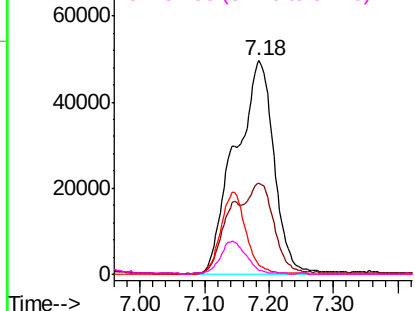
#41
Methacrylonitrile
Concen: 72.232 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion:	41	Resp:	208609
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

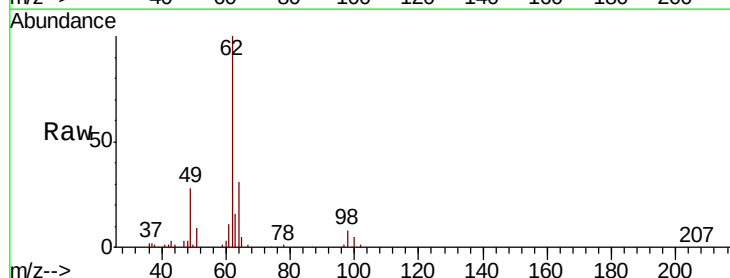


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

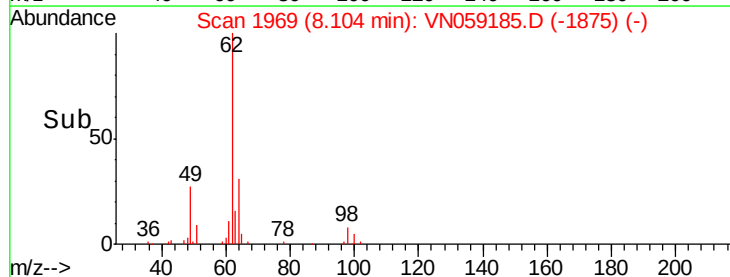
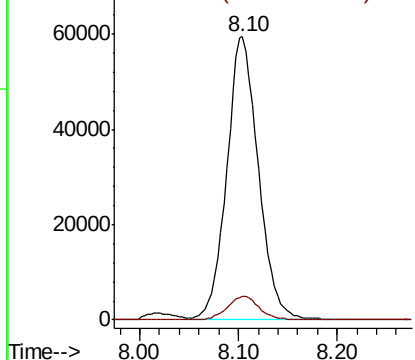


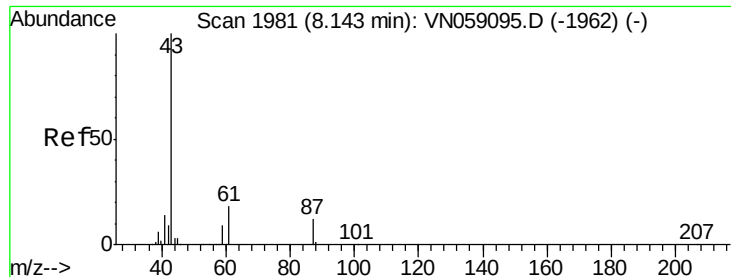
#42
1,2-Dichloroethane
Concen: 21.594 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion:	62	Resp:	133148
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.758 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

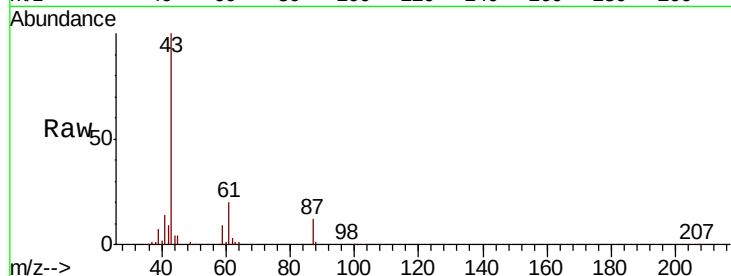
Tot Ion: 43 Resp: 219789

Ion Ratio Lower Upper

43 100

61 26.2 21.0 31.6

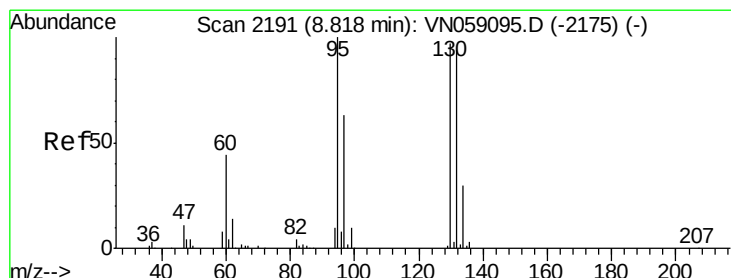
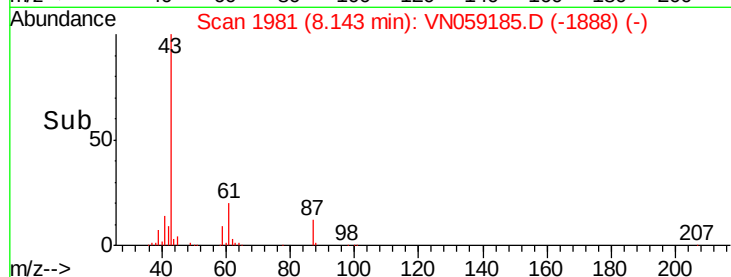
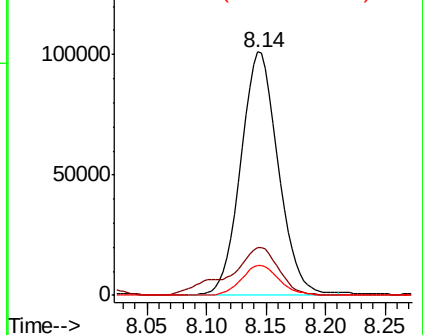
87 12.3 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059185.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059185.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059185.D (-1962) (-)



#44

Trichloroethene

Concen: 20.130 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059185.D

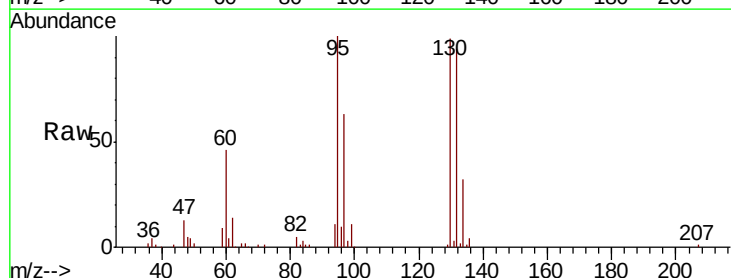
Acq: 12 Nov 2019 13:17

Tgt Ion: 130 Resp: 88961

Ion Ratio Lower Upper

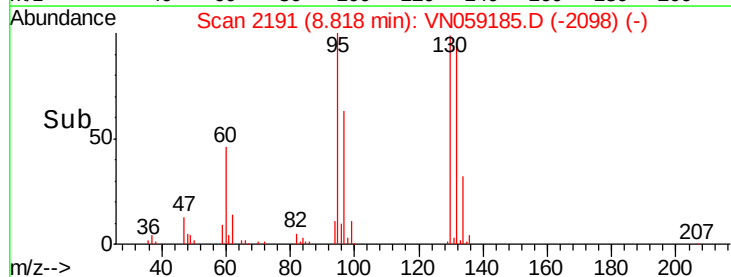
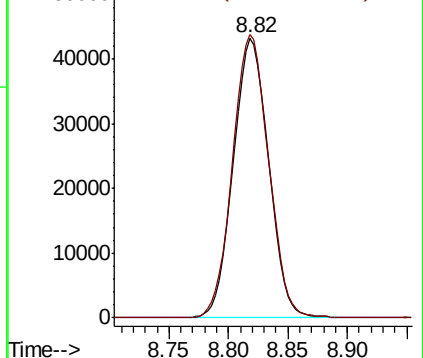
130 100

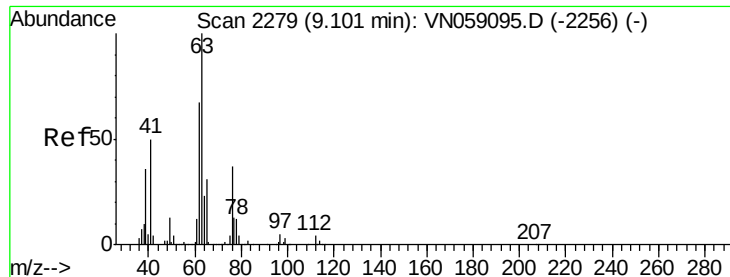
95 101.2 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059185.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059185.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 20.762 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

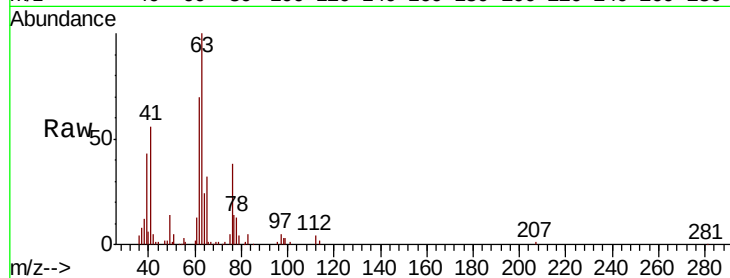
VN1112MBS01

Tot Ion: 63 Resp: 101386

Ion Ratio Lower Upper

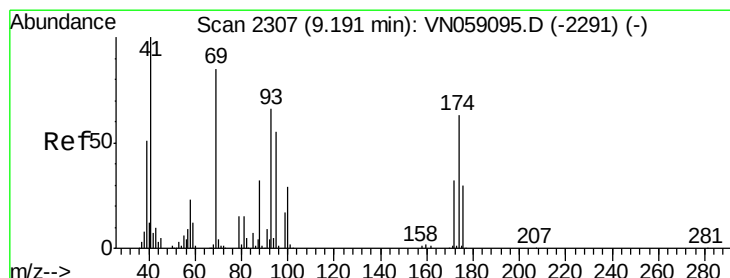
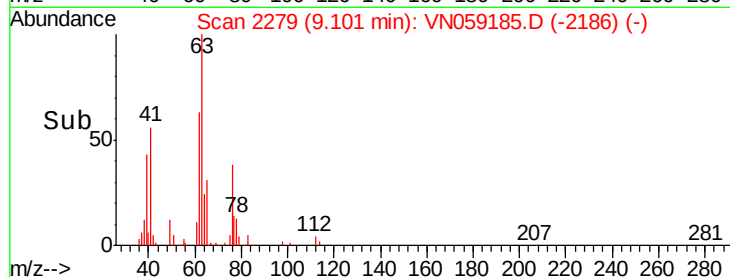
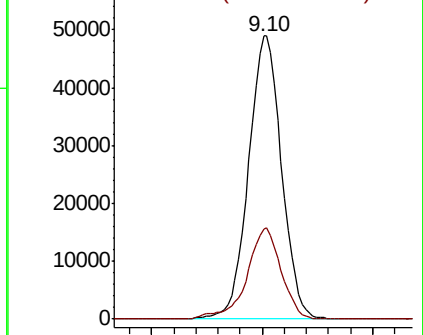
63 100

65 32.1 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.846 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

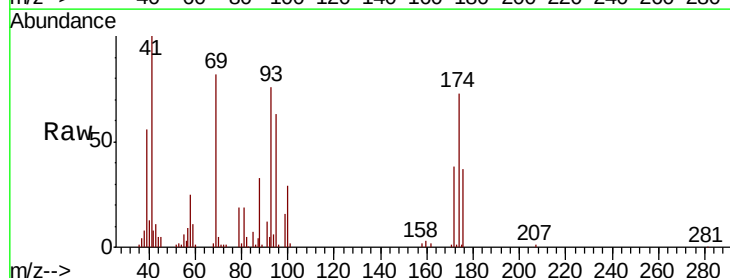
Tgt Ion: 93 Resp: 63433

Ion Ratio Lower Upper

93 100

95 81.3 66.6 100.0

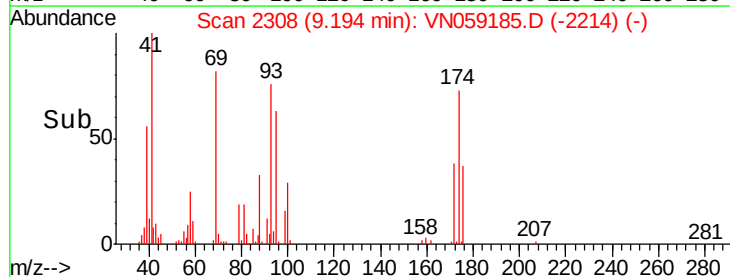
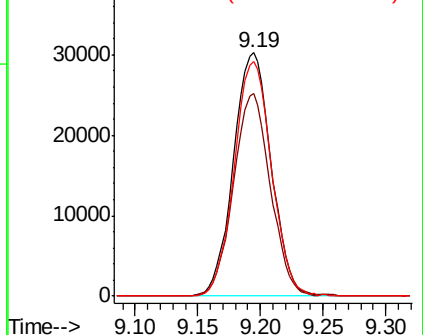
174 95.0 78.2 117.2

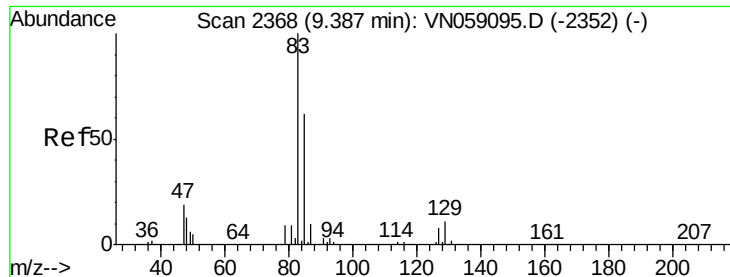


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

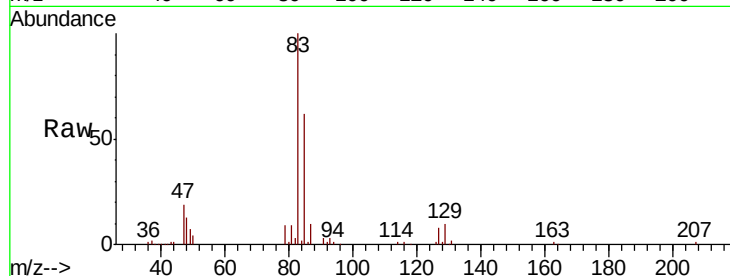




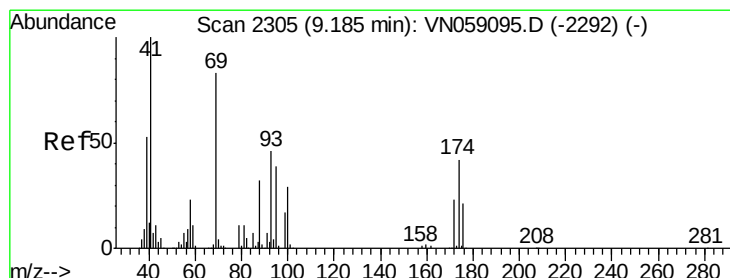
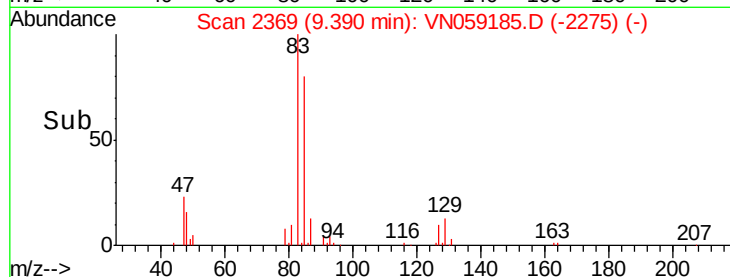
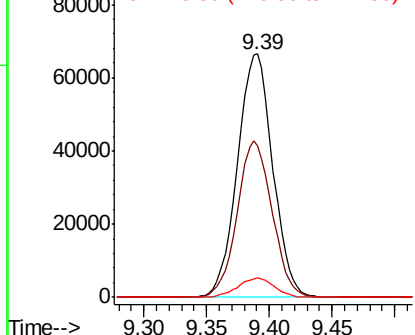
#47
Bromodichloromethane
Concen: 21.457 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion: 83 Resp: 130378
Ion Ratio Lower Upper
83 100
85 62.3 49.7 74.5
127 7.9 6.4 9.6

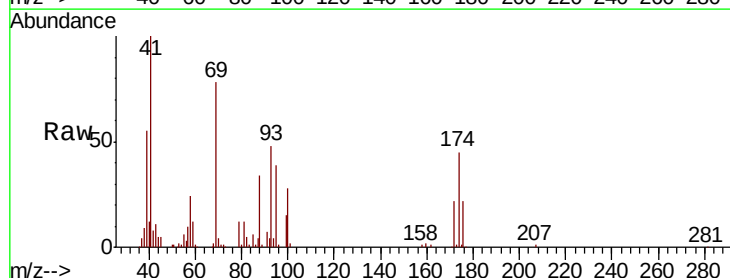


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V

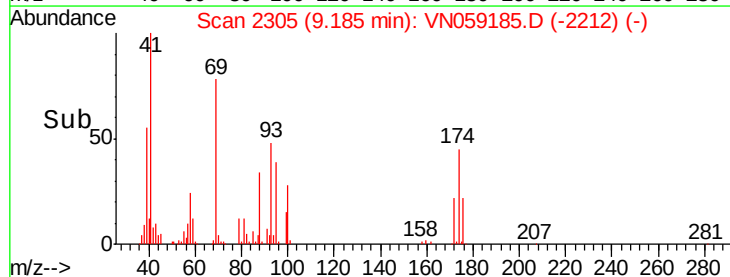
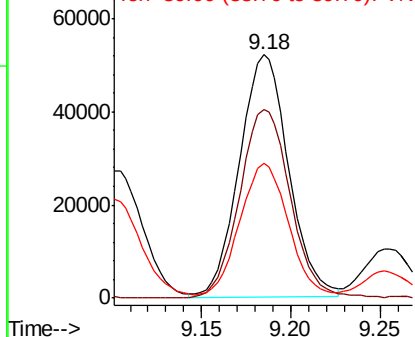


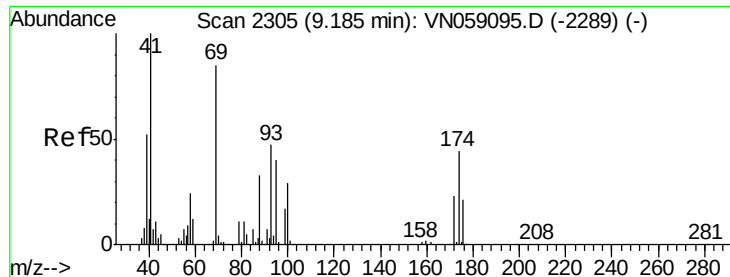
#48
Methyl methacrylate
Concen: 21.234 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion: 41 Resp: 100569
Ion Ratio Lower Upper
41 100
69 80.3 67.3 100.9
39 55.1 43.3 64.9



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

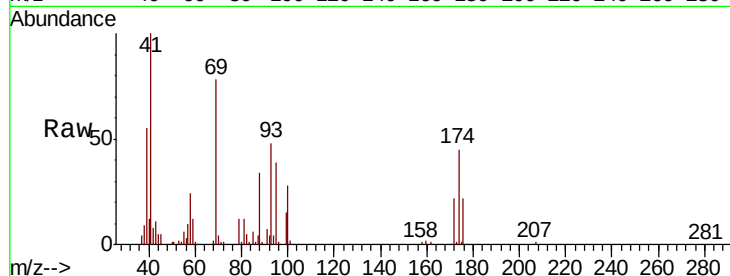




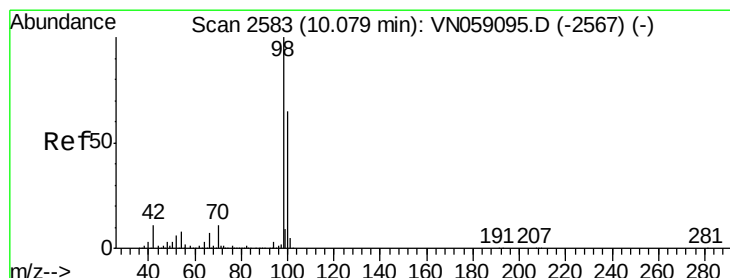
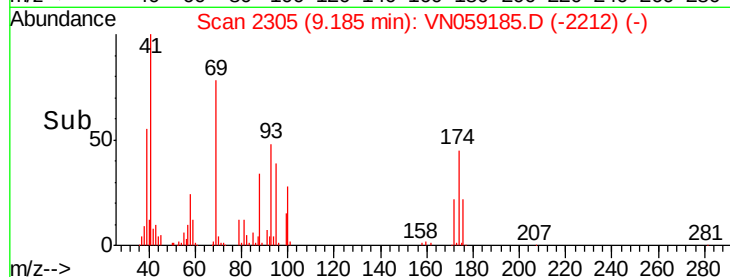
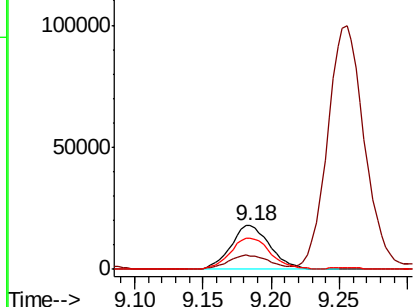
#49
 1,4-Dioxane
 Concen: 429.320 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion: 88 Resp: 36135
 Ion Ratio Lower Upper
 88 100
 43 33.9 26.3 39.5
 58 72.8 60.6 90.8

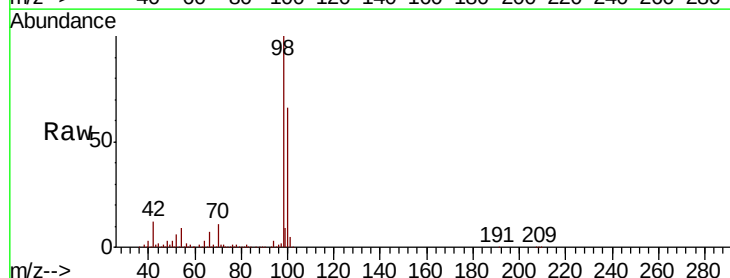


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

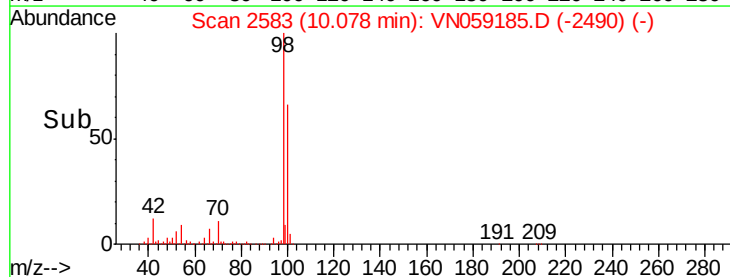
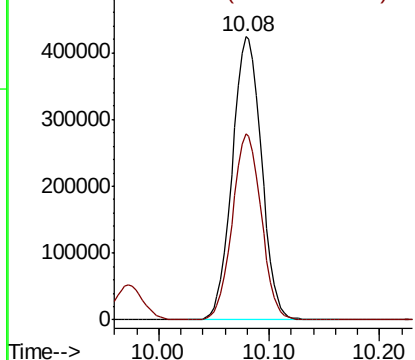


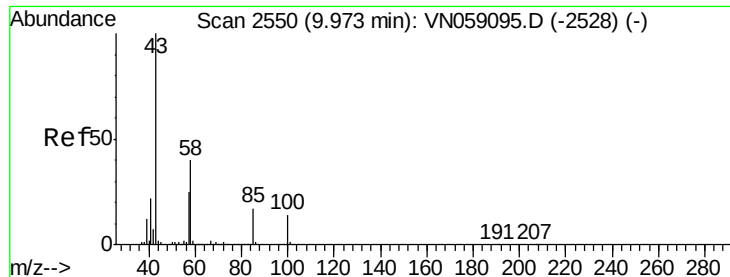
#50
 Toluene-d8
 Concen: 51.834 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion: 98 Resp: 778646
 Ion Ratio Lower Upper
 98 100
 100 64.8 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 119.188 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

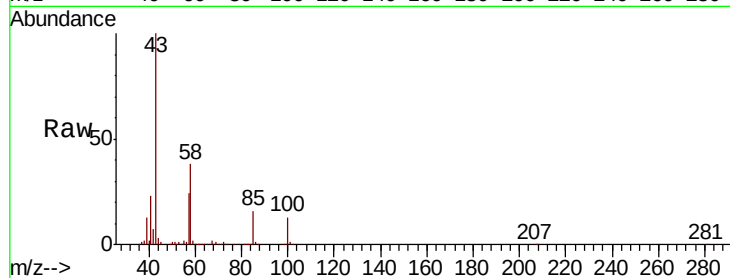
VN1112MBS01

Tot Ion: 43 Resp: 714072

Ion Ratio Lower Upper

43 100

58 38.1 31.5 47.3



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

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

9.97

400000

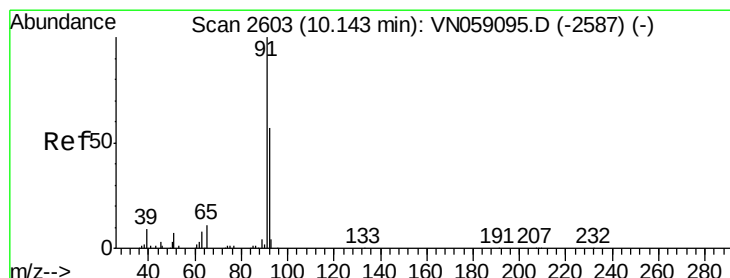
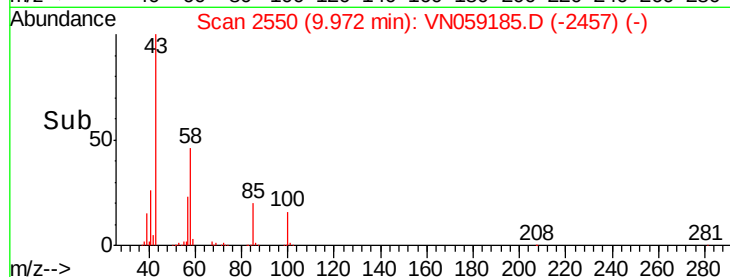
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.811 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059185.D

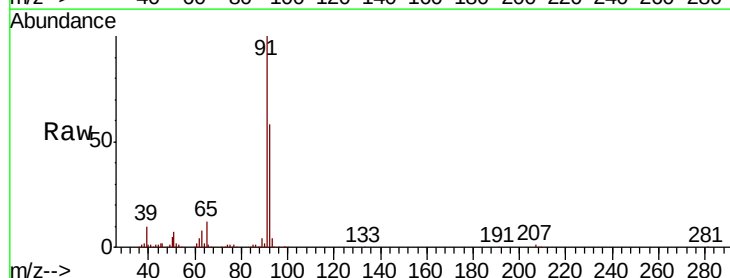
Acq: 12 Nov 2019 13:17

Tgt Ion: 92 Resp: 224246

Ion Ratio Lower Upper

92 100

91 173.5 139.5 209.3



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

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

250000

200000

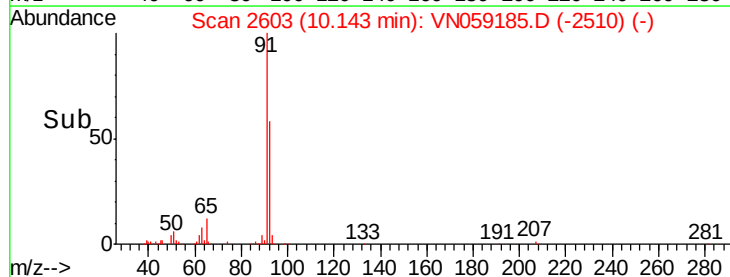
150000

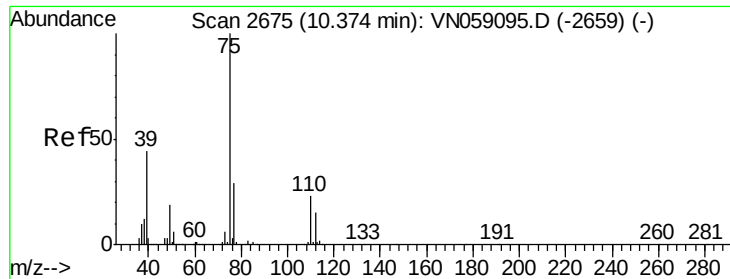
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.209 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

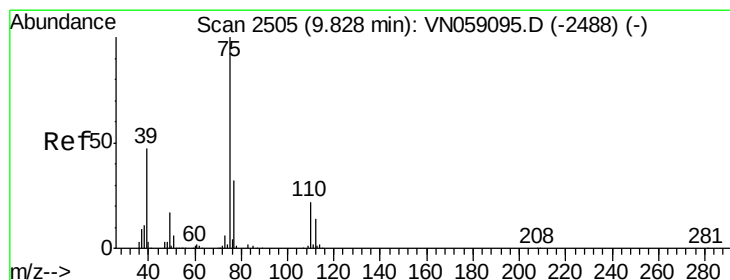
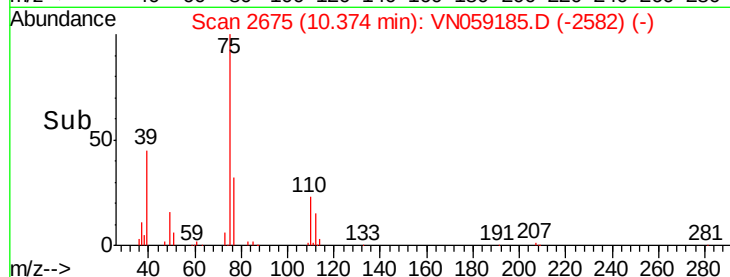
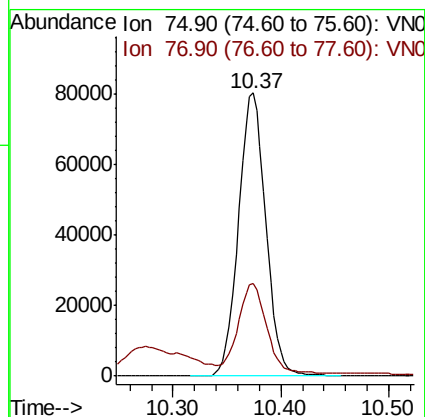
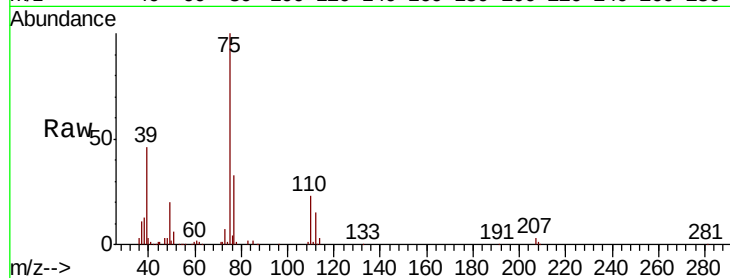
VN1112MBS01

Tot Ion: 75 Resp: 141866

Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 20.515 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

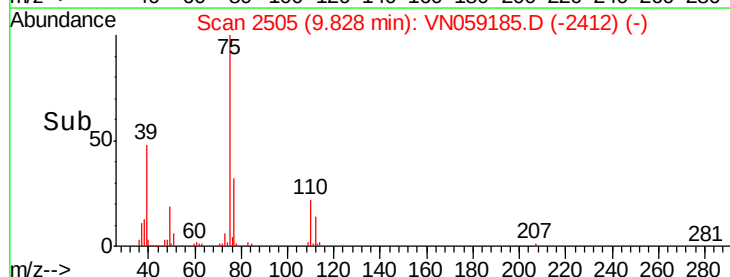
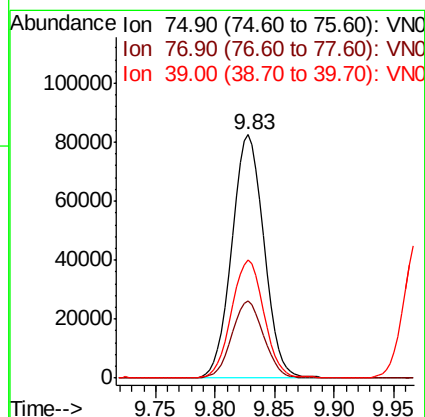
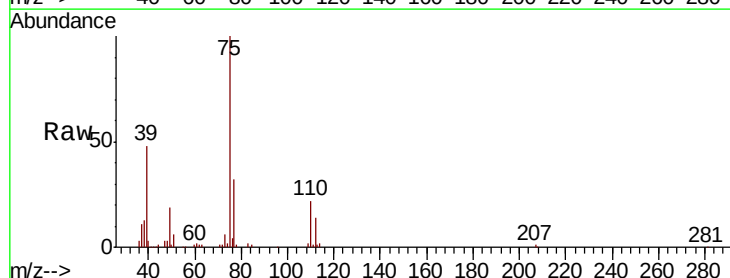
Tgt Ion: 75 Resp: 154917

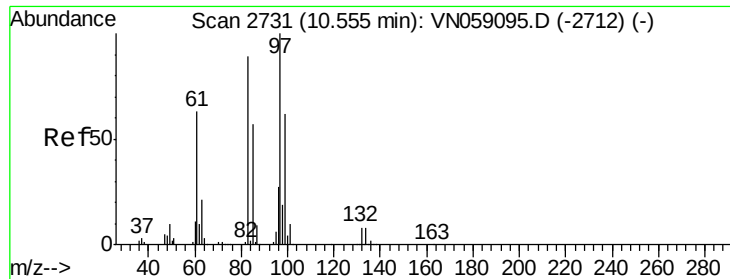
Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

39 48.3 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 21.527 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion: 97 Resp: 93879

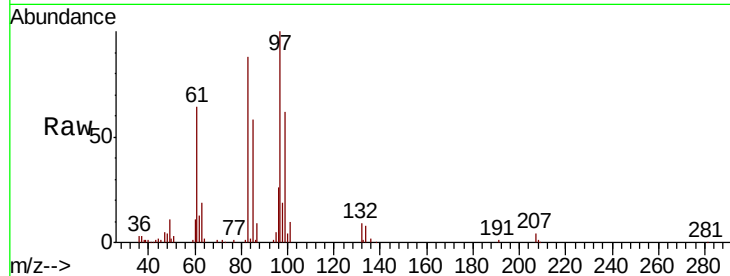
Ion Ratio Lower Upper

97 100

83 87.8 71.0 106.4

85 58.1 45.8 68.8

99 62.4 49.4 74.0

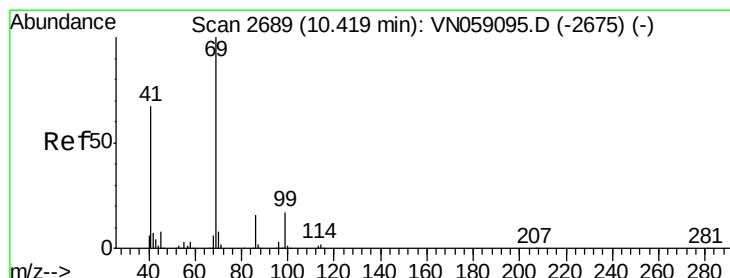
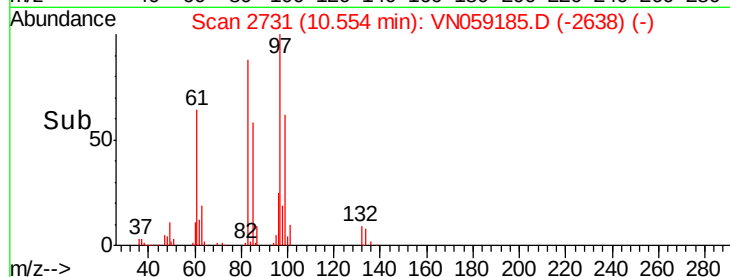
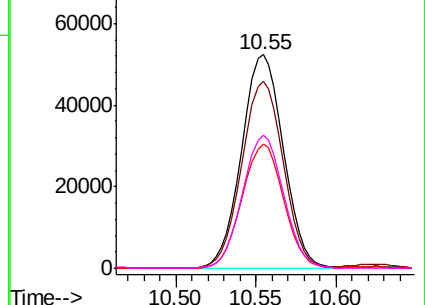


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.846 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

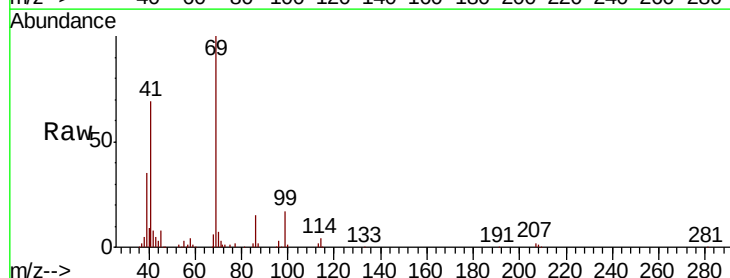
Tgt Ion: 69 Resp: 135814

Ion Ratio Lower Upper

69 100

41 68.0 53.6 80.4

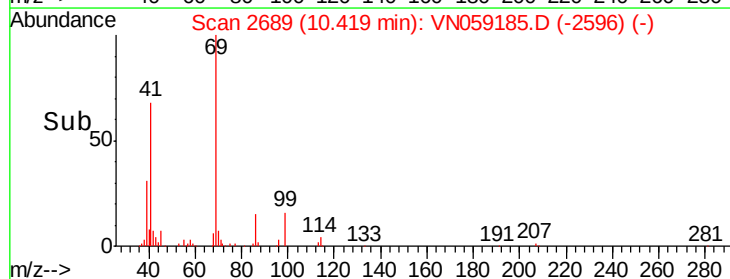
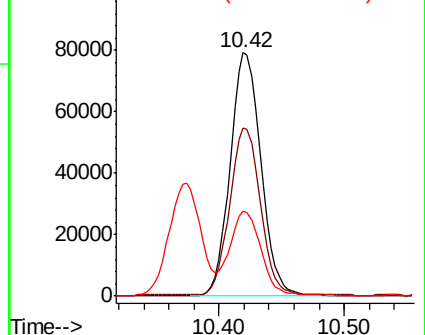
39 34.9 26.2 39.4

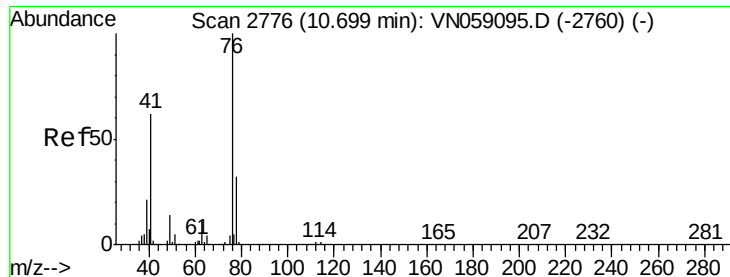


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.162 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

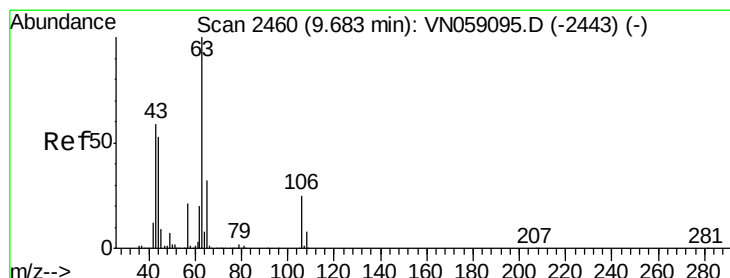
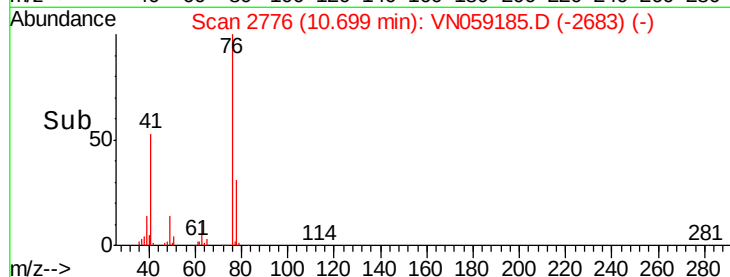
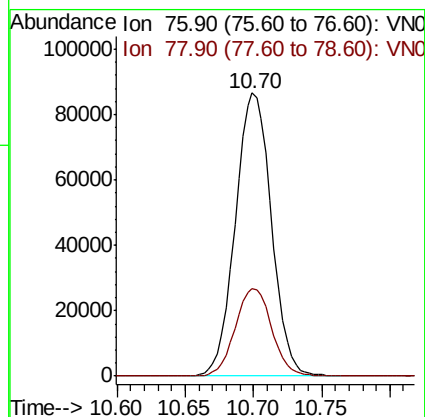
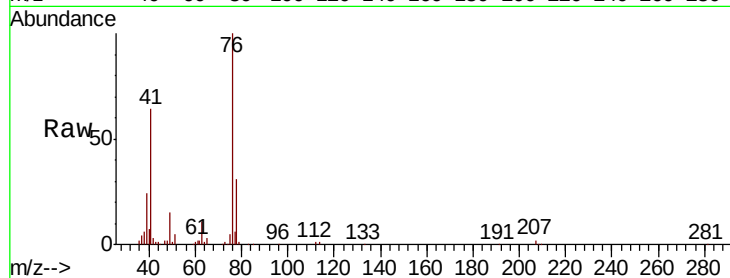
VN1112MBS01

Tot Ion: 76 Resp: 158835

Ion Ratio Lower Upper

76 100

78 31.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 111.079 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059185.D

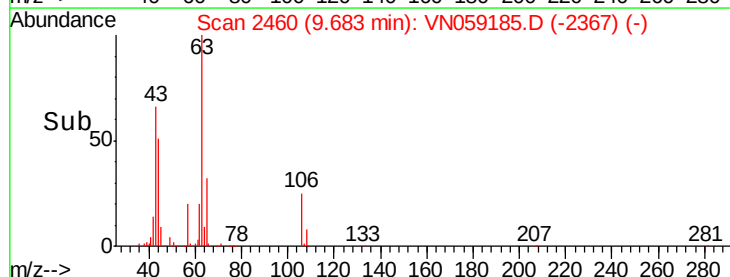
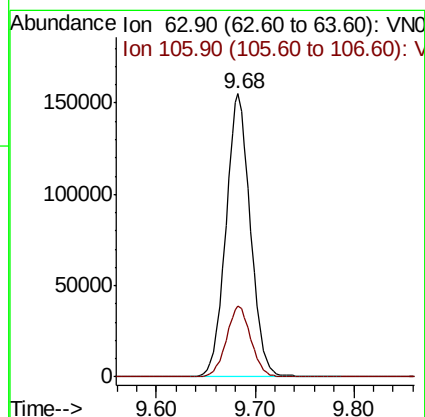
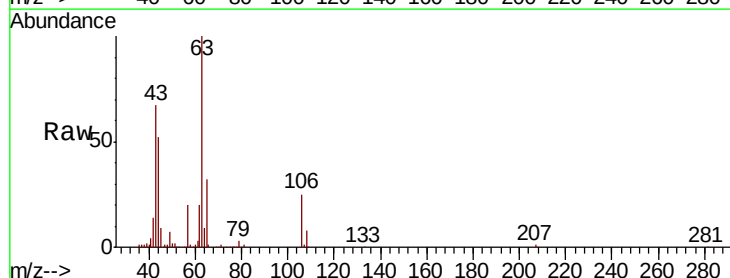
Acq: 12 Nov 2019 13:17

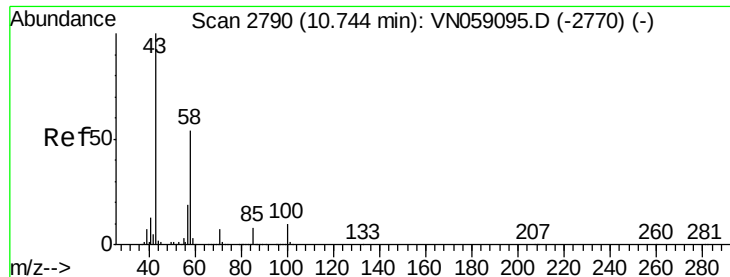
Tgt Ion: 63 Resp: 269588

Ion Ratio Lower Upper

63 100

106 25.0 20.2 30.2

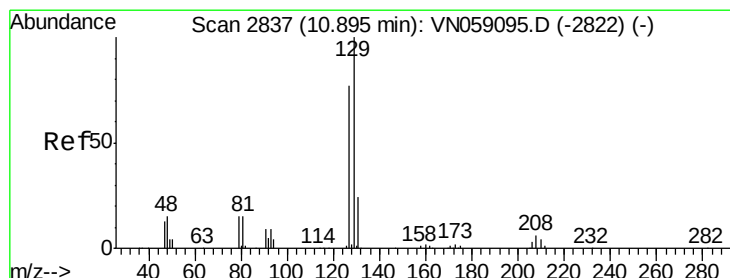
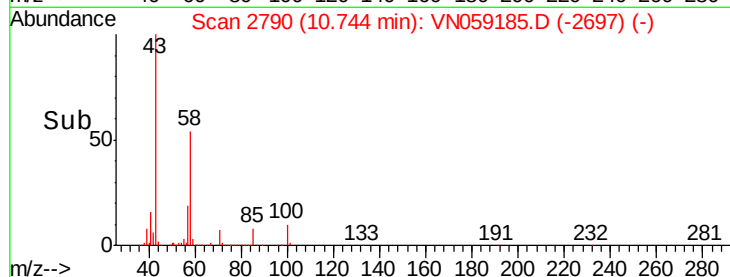
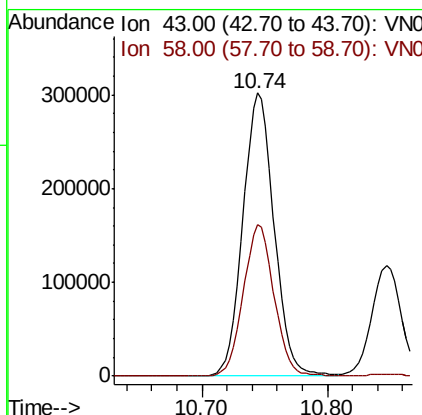
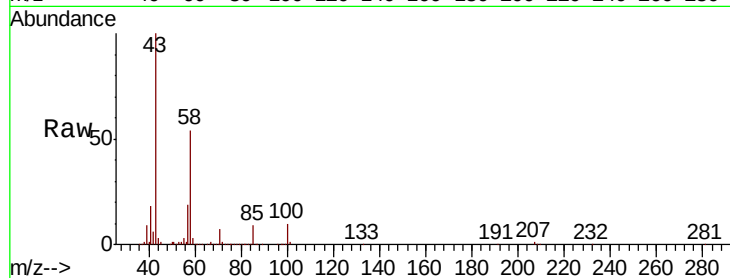




#59
2-Hexanone
Concen: 113.219 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

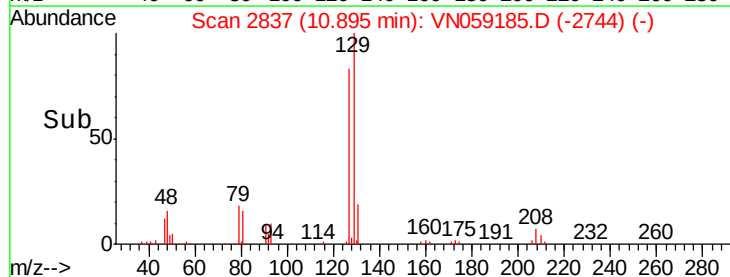
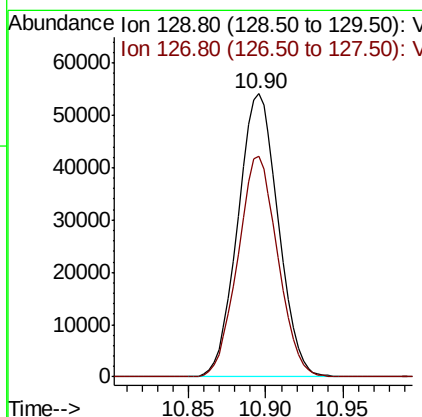
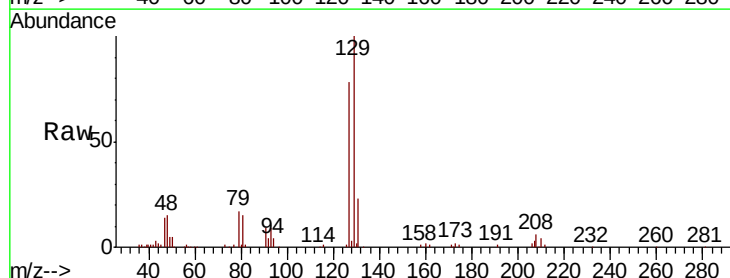
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

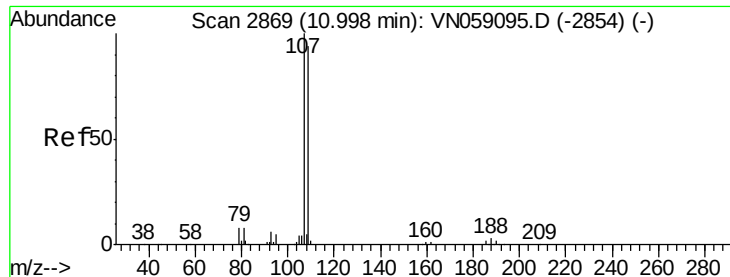
Tot Ion: 43 Resp: 520634
Ion Ratio Lower Upper
43 100
58 53.1 27.3 81.8



#60
Dibromochloromethane
Concen: 21.289 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion: 129 Resp: 98159
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

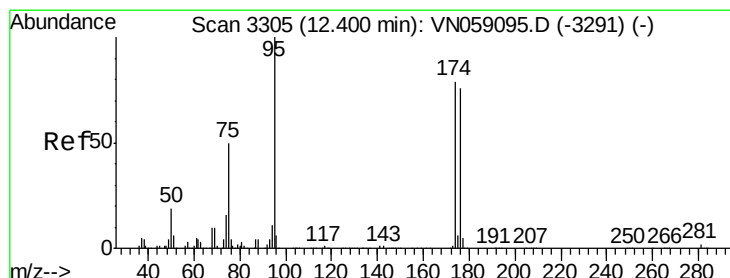
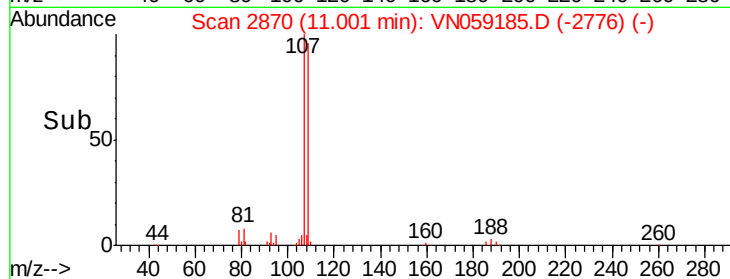
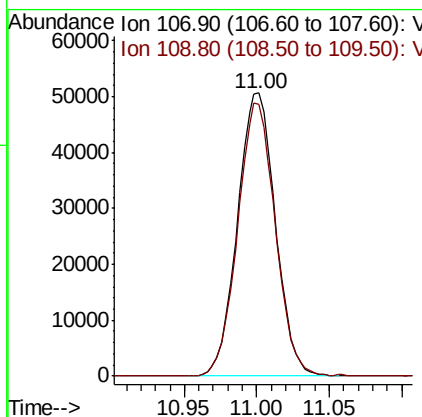
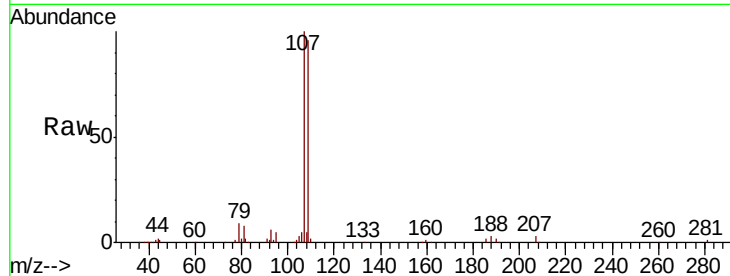




#61
 1,2-Dibromoethane
 Concen: 20.859 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

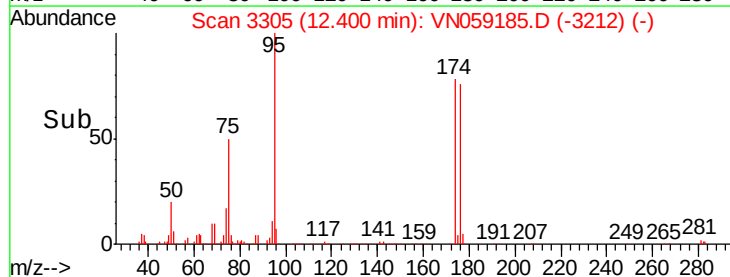
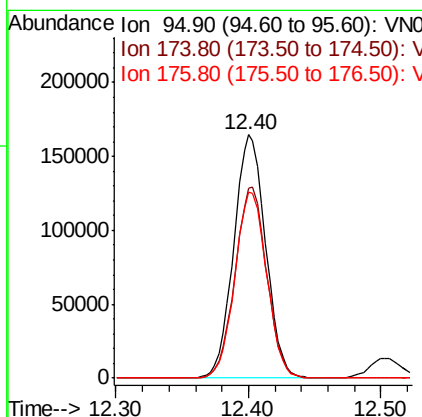
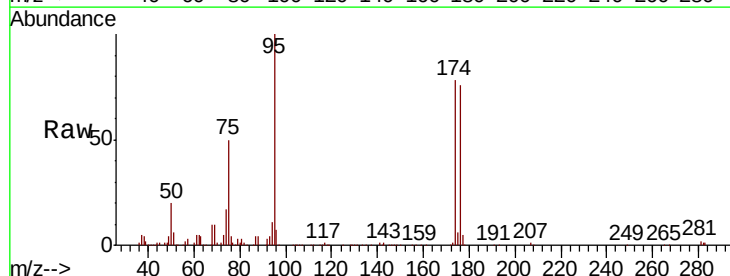
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

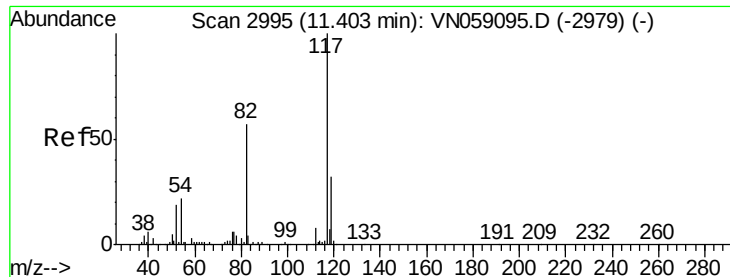
Tot Ion:107 Resp: 92086
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 50.483 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion: 95 Resp: 273433
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 158.2
 176 76.6 0.0 151.8

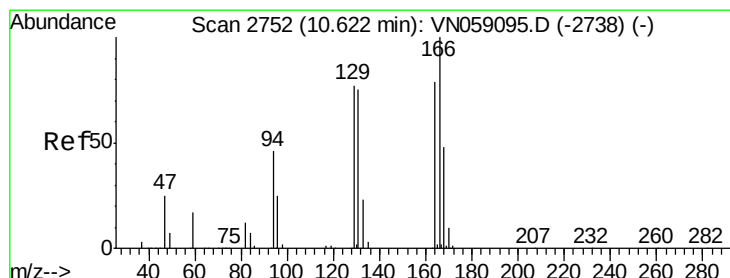
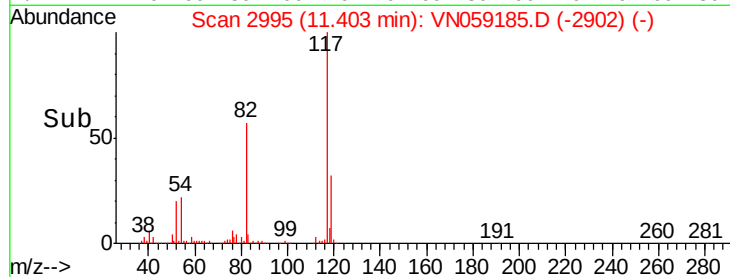
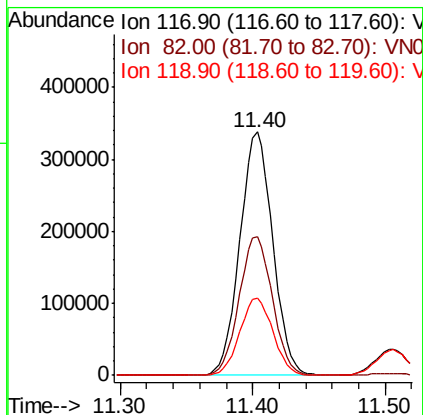
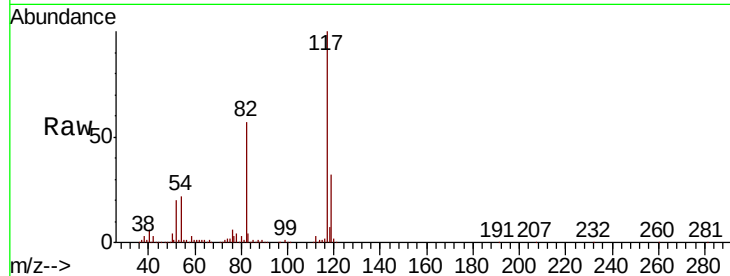




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

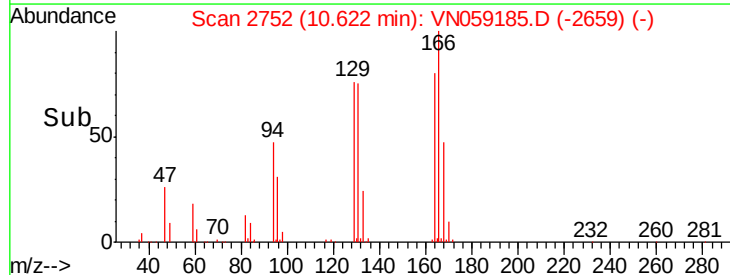
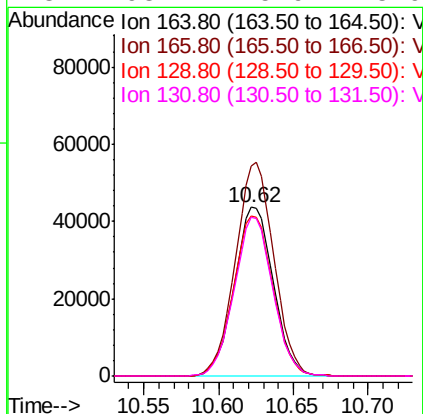
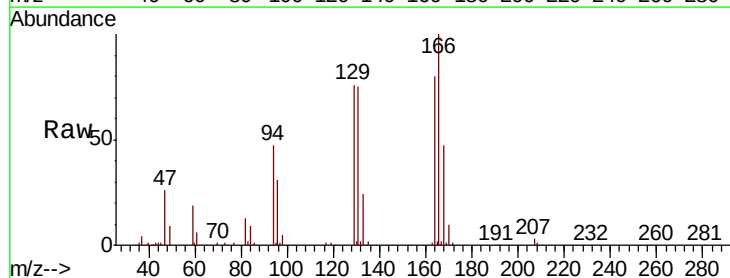
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

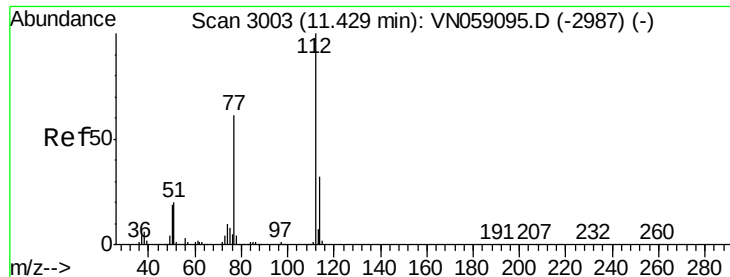
Tot Ion:117 Resp: 582364
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.8
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 19.965 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion:164 Resp: 79063
Ion Ratio Lower Upper
164 100
166 124.6 101.5 152.3
129 95.0 78.3 117.5
131 93.7 75.9 113.9





#65

Chlorobenzene

Concen: 20.758 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

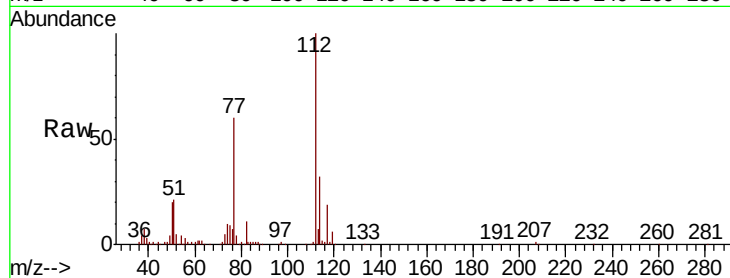
VN1112MBS01

Tot Ion:112 Resp: 235654

Ion Ratio Lower Upper

112 100

114 32.2 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

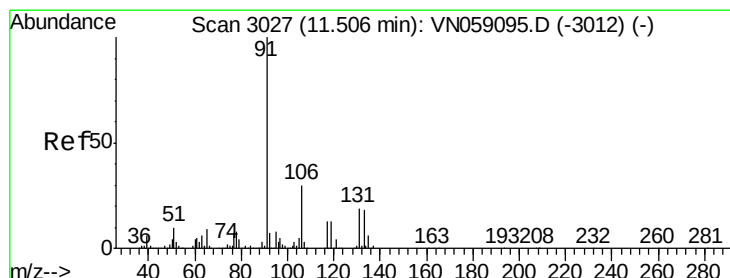
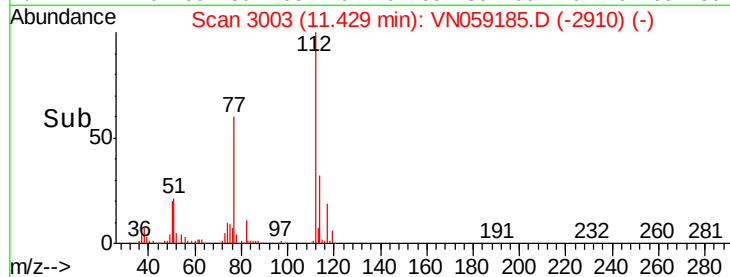
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.281 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

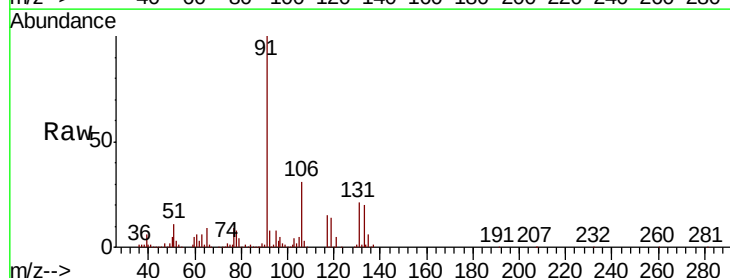
Tgt Ion:131 Resp: 90626

Ion Ratio Lower Upper

131 100

133 96.2 47.4 142.3

119 67.7 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

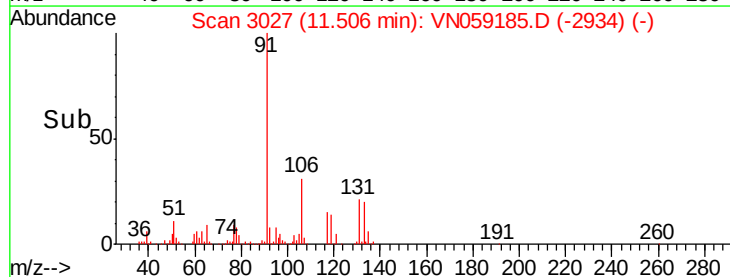
60000

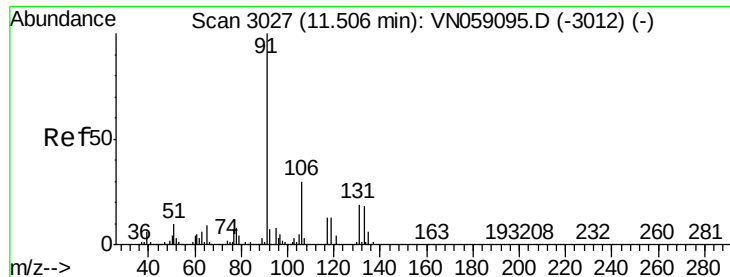
40000

20000

0

Time-->

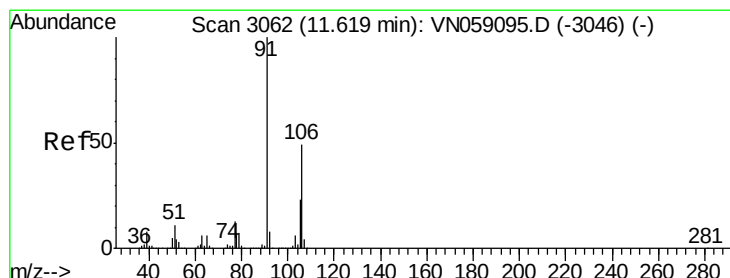
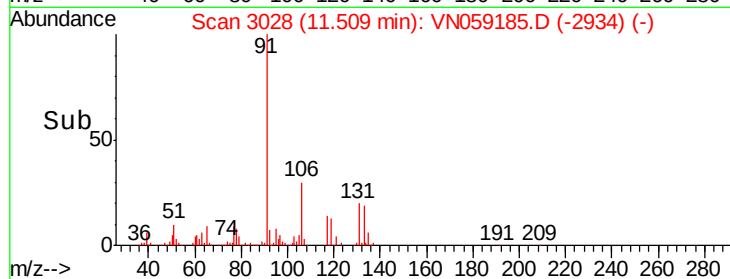
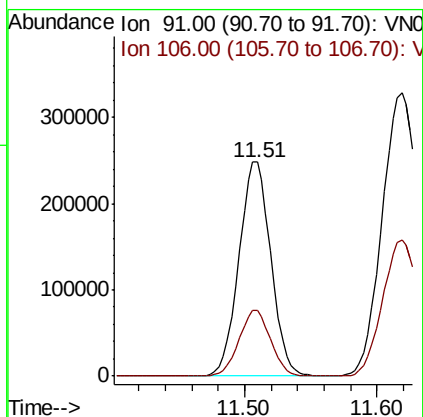
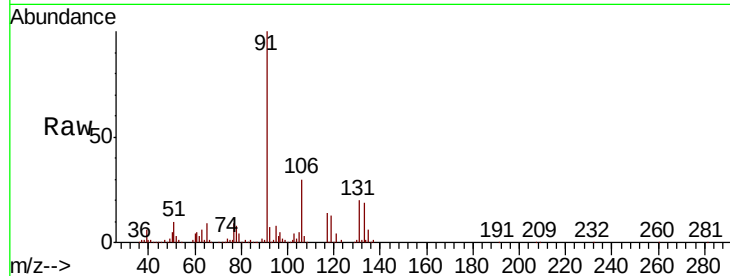




#67
Ethyl Benzene
Concen: 20.613 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

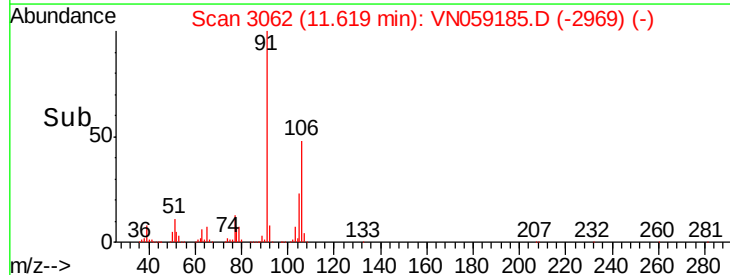
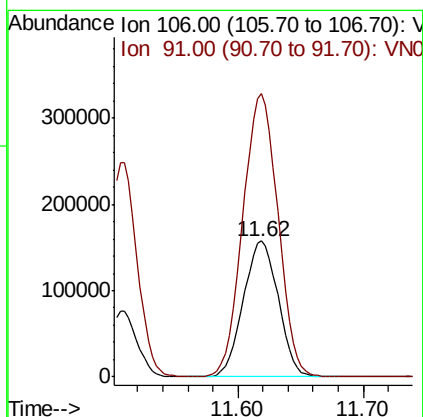
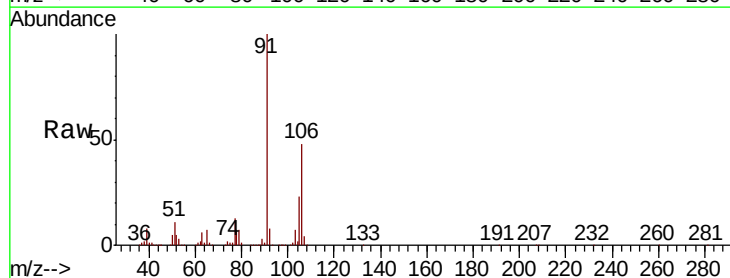
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

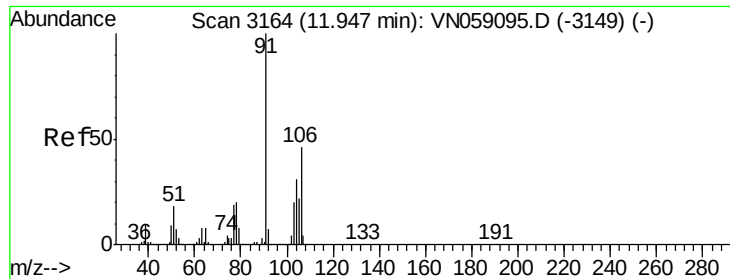
Tot Ion: 91 Resp: 415195
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1



#68
m/p-Xylenes
Concen: 40.571 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion: 106 Resp: 306108
Ion Ratio Lower Upper
106 100
91 208.5 164.7 247.1

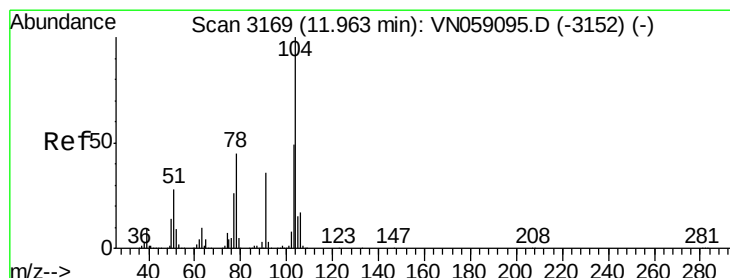
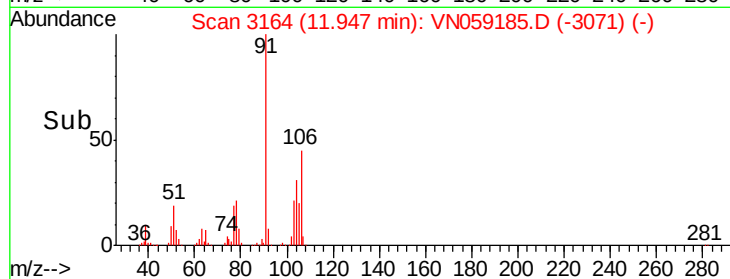
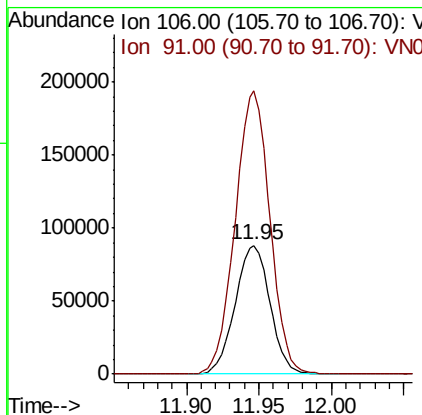
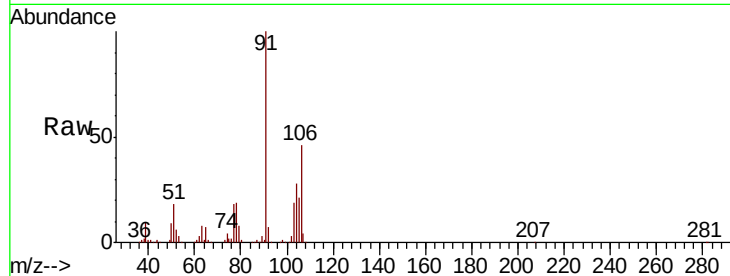




#69
o-Xylene
Concen: 20.136 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

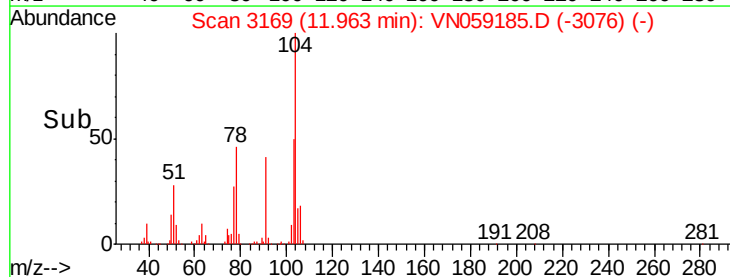
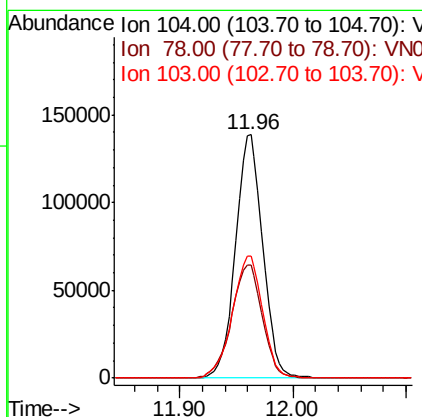
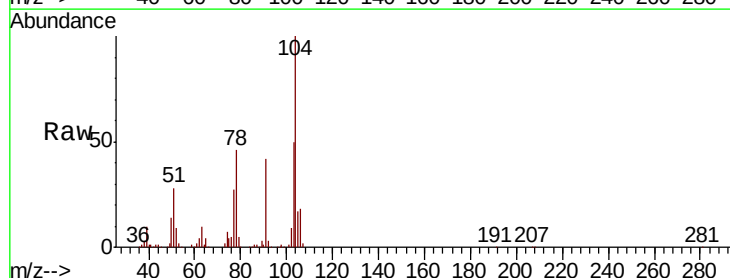
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

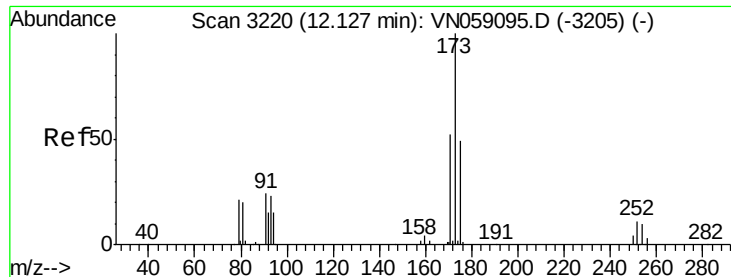
Tot Ion:106 Resp: 146818
Ion Ratio Lower Upper
106 100
91 219.9 110.1 330.3



#70
Styrene
Concen: 20.353 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion:104 Resp: 233398
Ion Ratio Lower Upper
104 100
78 52.3 41.2 61.8
103 55.7 43.8 65.6





#71

Bromoform

Concen: 20.878 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

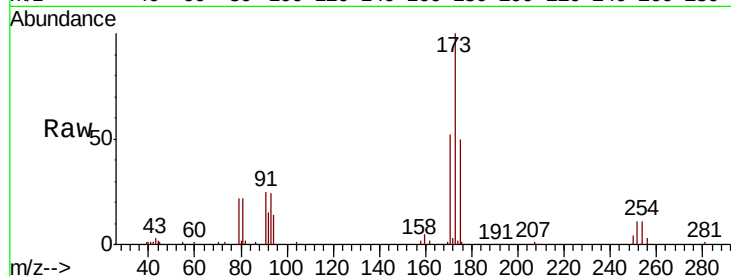
Tot Ion:173 Resp: 69160

Ion Ratio Lower Upper

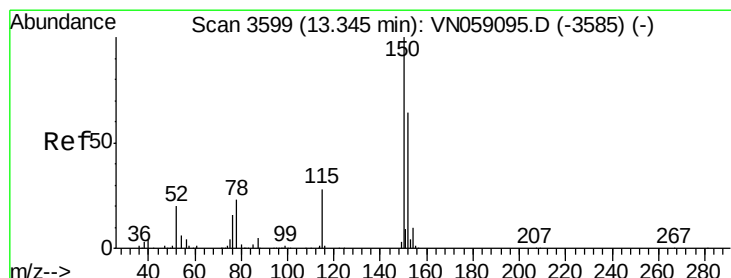
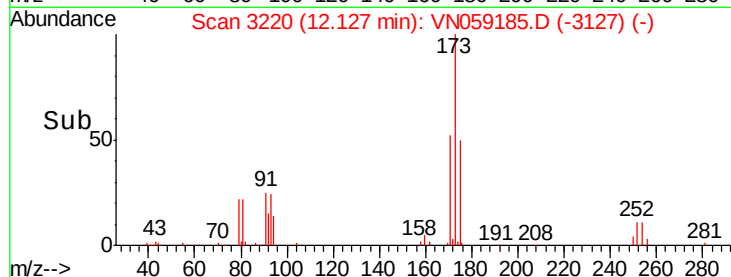
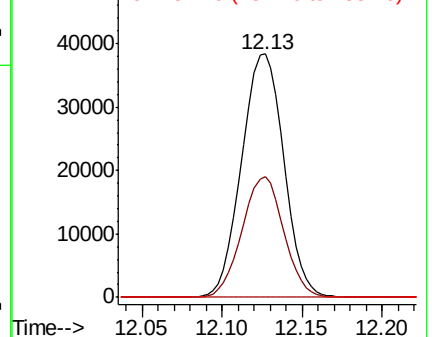
173 100

175 48.8 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

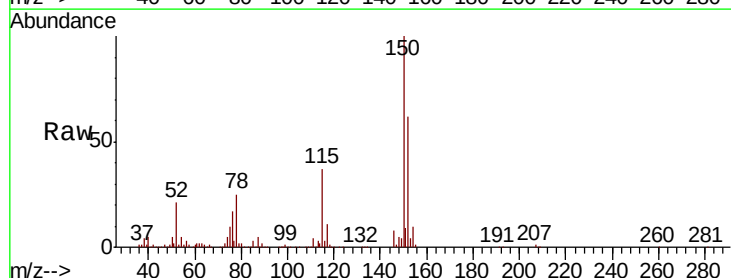
Tgt Ion:152 Resp: 264043

Ion Ratio Lower Upper

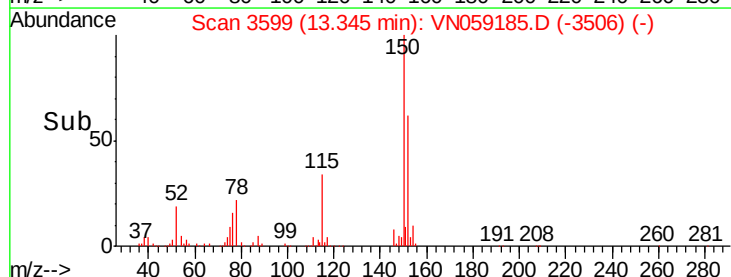
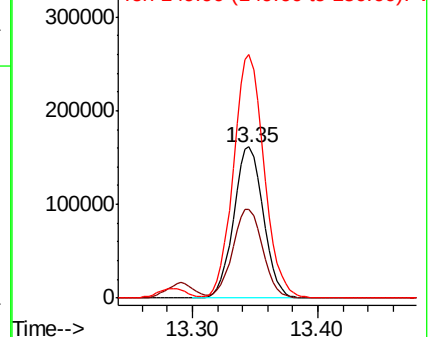
152 100

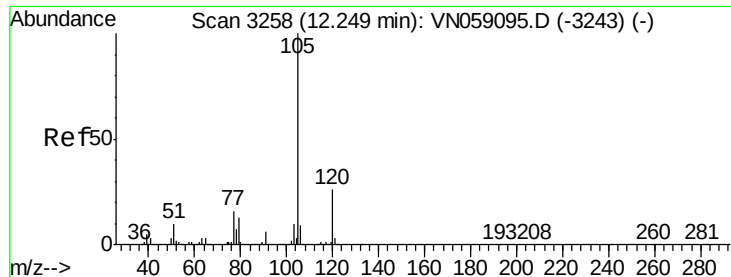
115 59.5 29.4 88.2

150 166.5 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.855 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

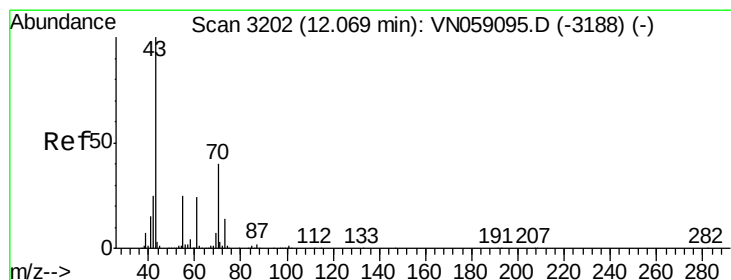
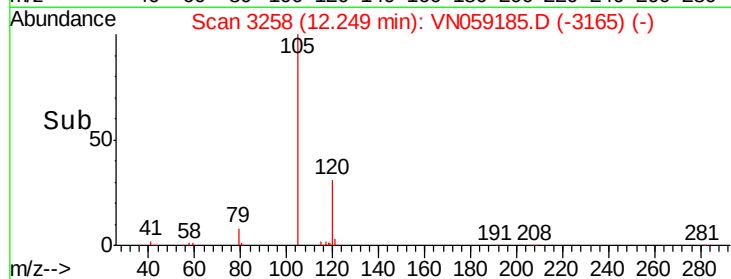
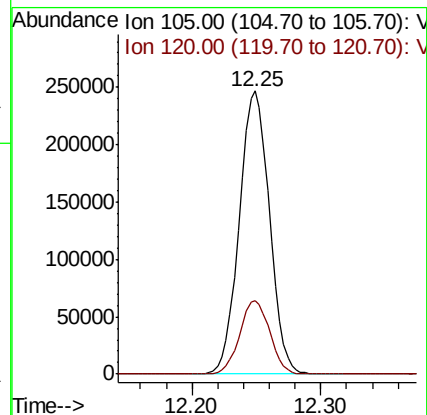
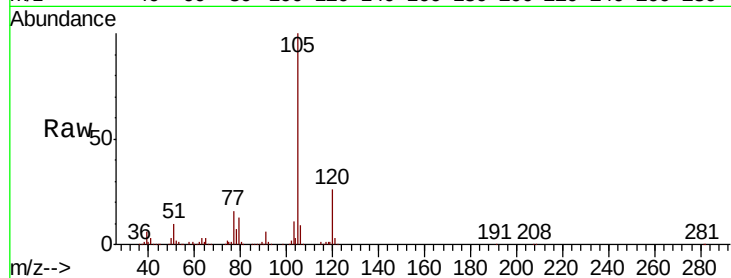
VN1112MBS01

Tot Ion:105 Resp: 400554

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



#74

N-ethyl acetate

Concen: 20.913 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion: 43 Resp: 170198

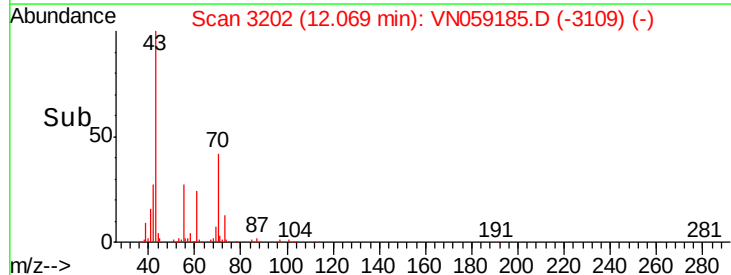
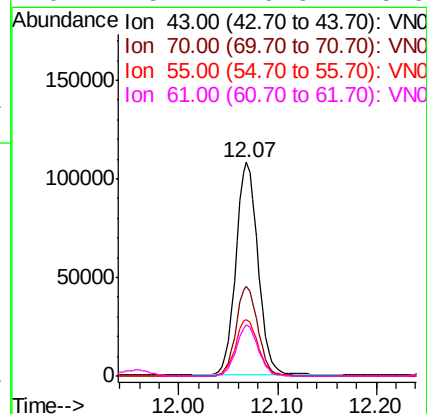
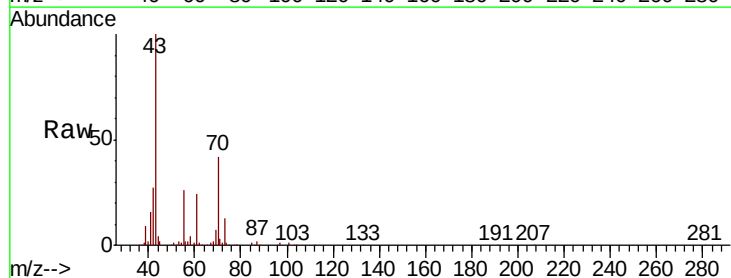
Ion Ratio Lower Upper

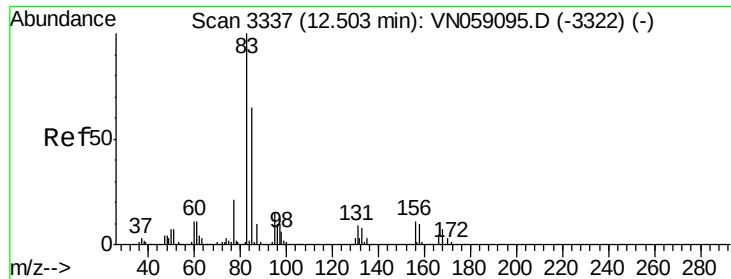
43 100

70 41.7 32.2 48.4

55 27.4 20.4 30.6

61 23.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.913 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

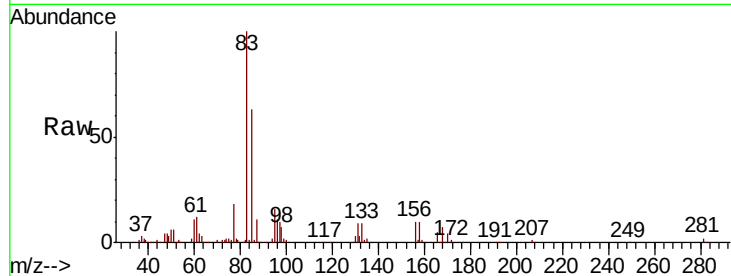
Tot Ion: 83 Resp: 143329

Ion Ratio Lower Upper

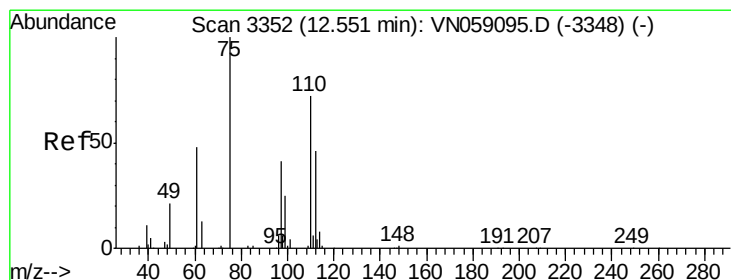
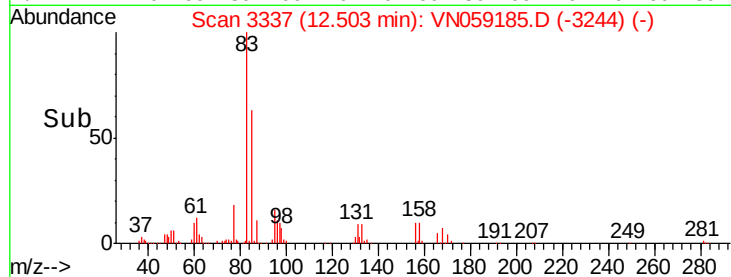
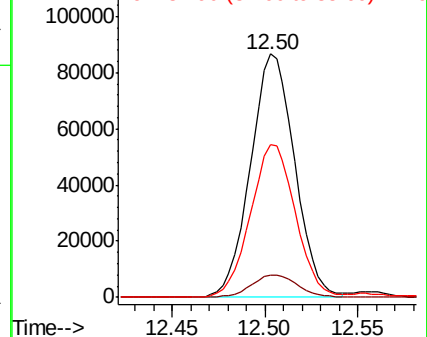
83 100

131 9.5 4.9 14.6

85 63.7 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.264 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059185.D

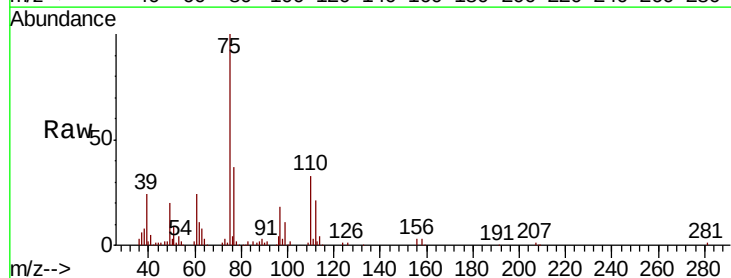
Acq: 12 Nov 2019 13:17

Tgt Ion: 75 Resp: 187942

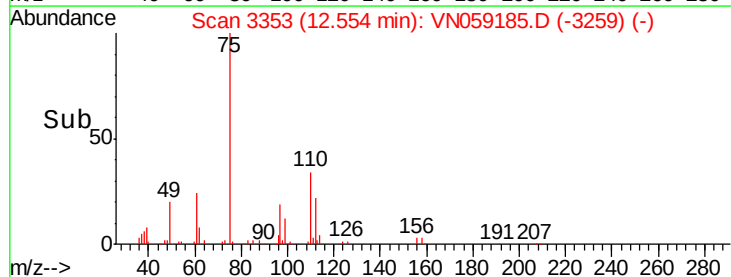
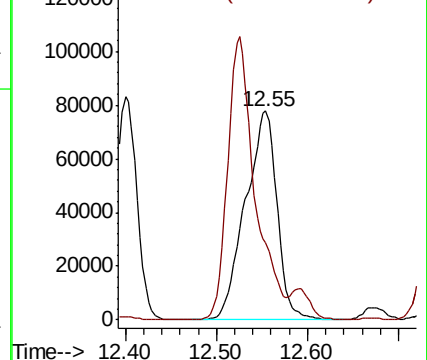
Ion Ratio Lower Upper

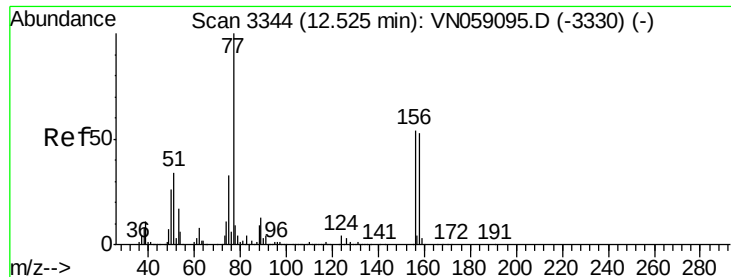
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.331 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN1112MBS01

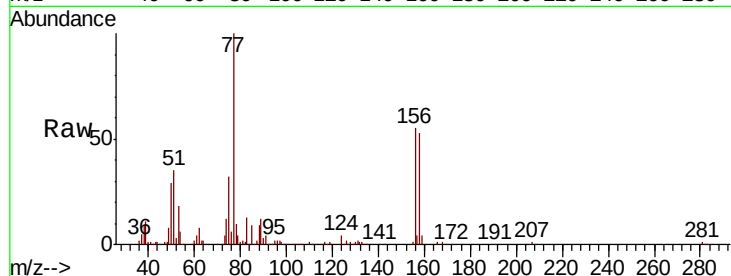
Tot Ion:156 Resp: 98105

Ion Ratio Lower Upper

156 100

77 224.9 112.8 338.3

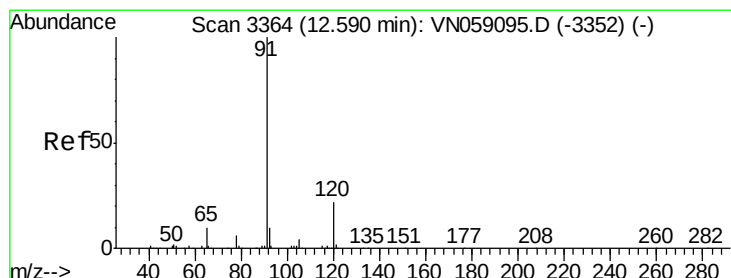
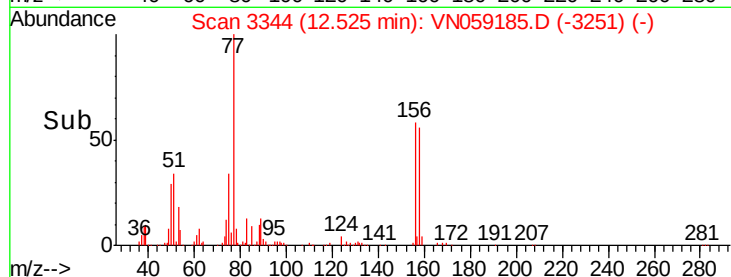
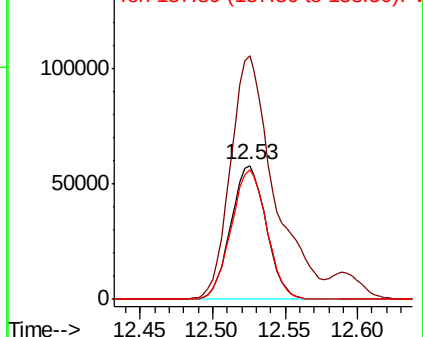
158 97.4 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.102 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059185.D

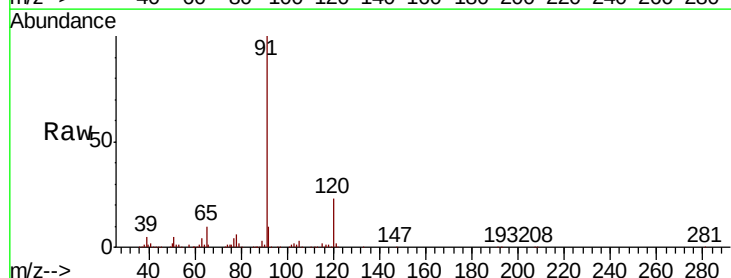
Acq: 12 Nov 2019 13:17

Tgt Ion: 91 Resp: 464070

Ion Ratio Lower Upper

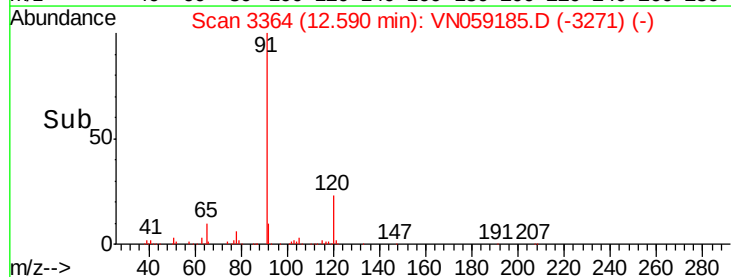
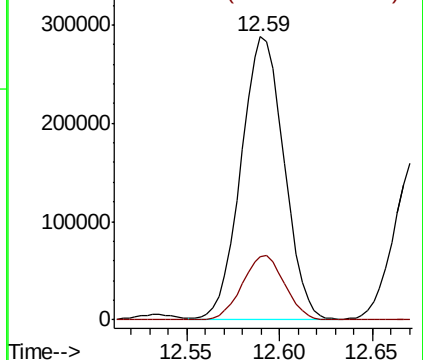
91 100

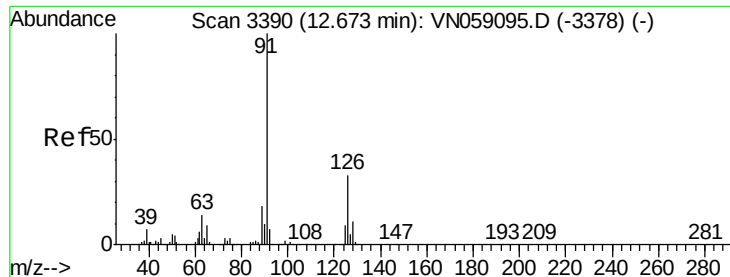
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.529 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

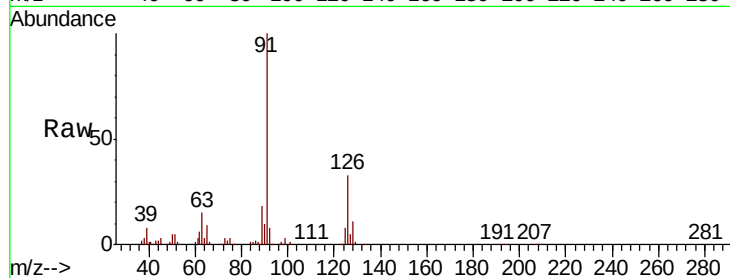
VN1112MBS01

Tot Ion: 91 Resp: 280069

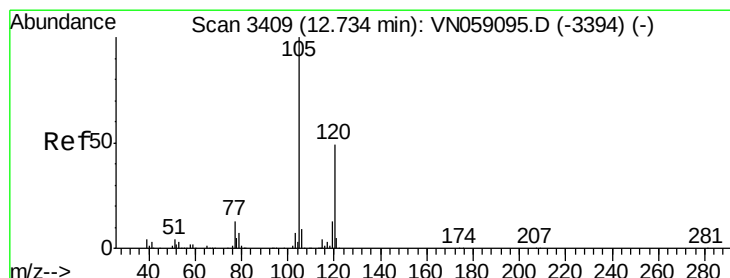
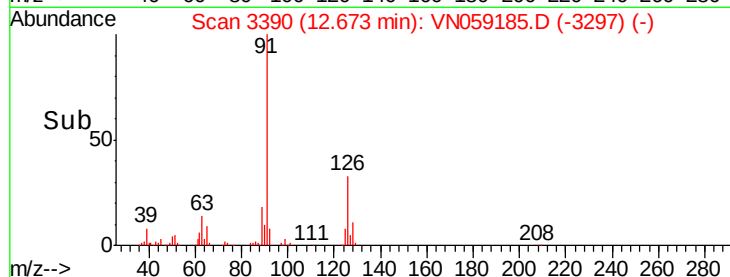
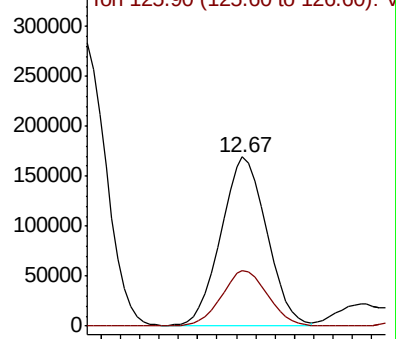
Ion Ratio Lower Upper

91 100

126 33.1 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059185.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.513 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059185.D

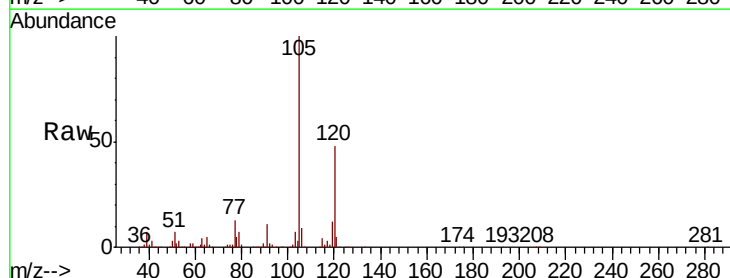
Acq: 12 Nov 2019 13:17

Tgt Ion: 105 Resp: 333850

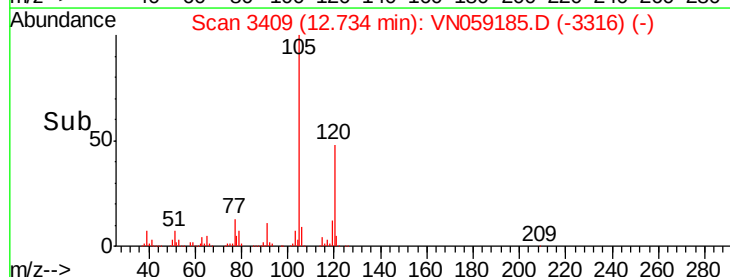
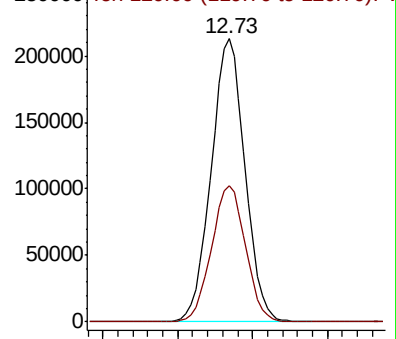
Ion Ratio Lower Upper

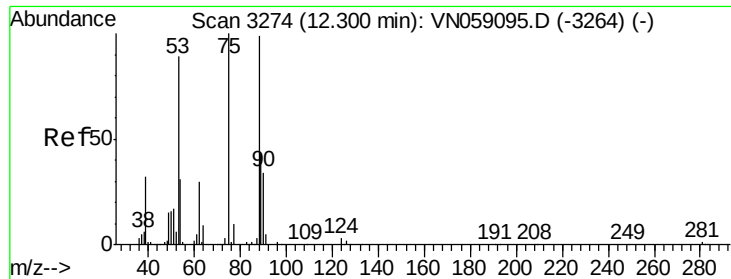
105 100

120 48.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059185.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.155 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN1112MBS01

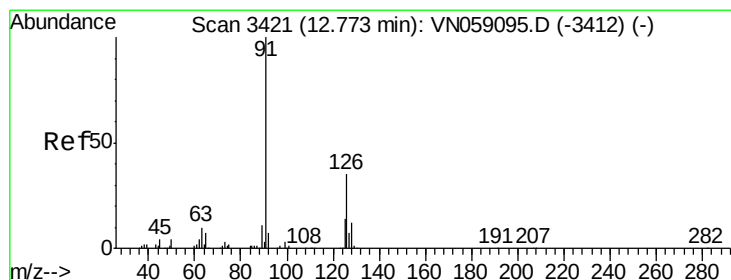
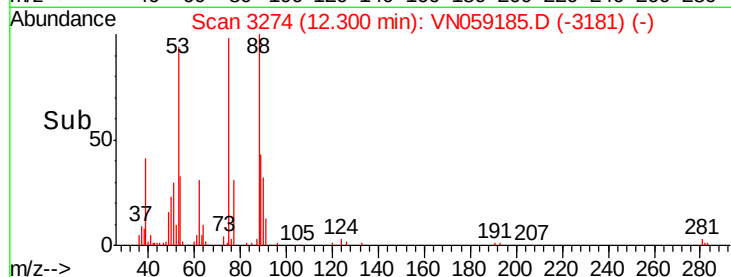
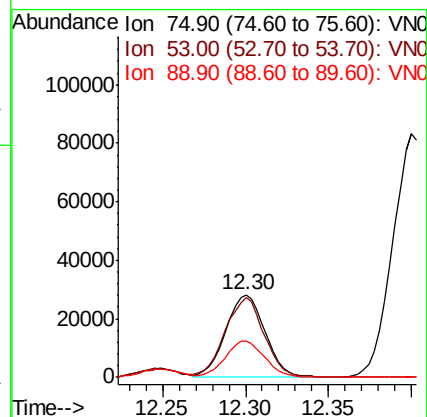
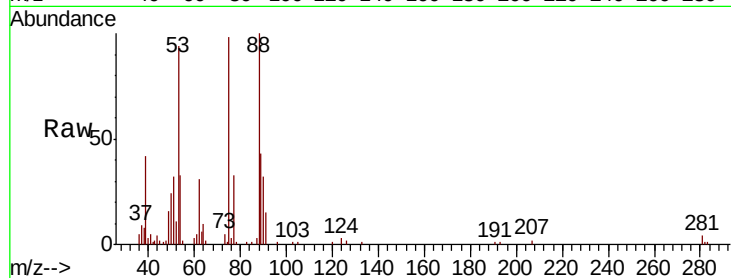
Tot Ion: 75 Resp: 45872

Ion Ratio Lower Upper

75 100

53 98.2 72.2 108.2

89 44.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.396 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059185.D

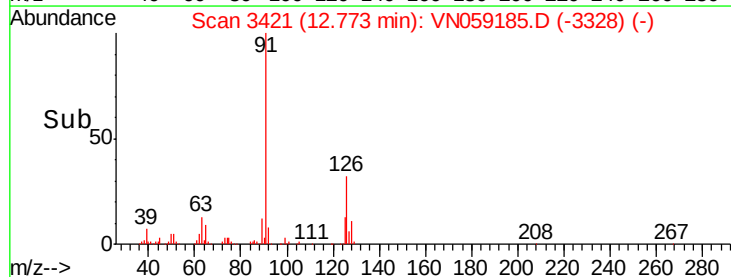
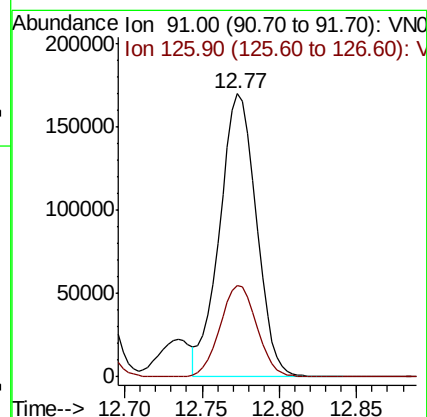
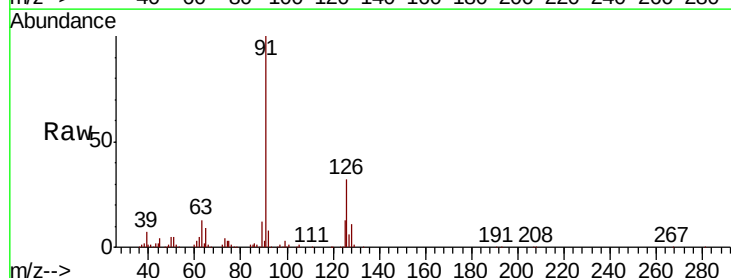
Acq: 12 Nov 2019 13:17

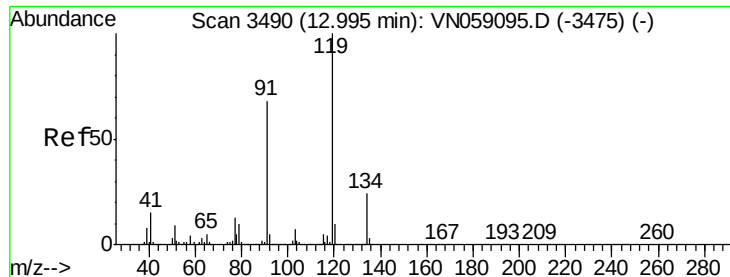
Tgt Ion: 91 Resp: 279079

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.2

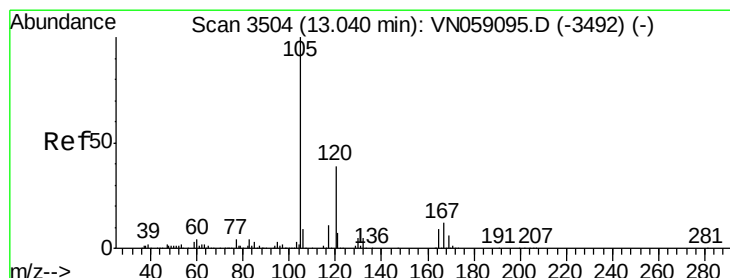
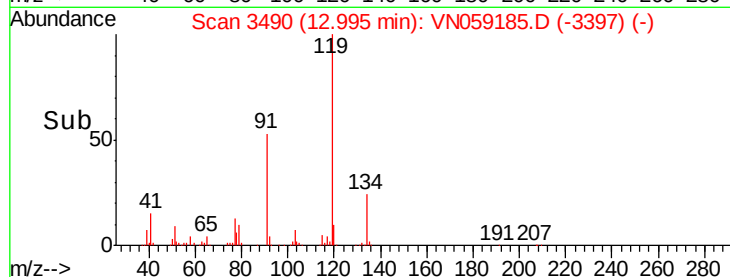
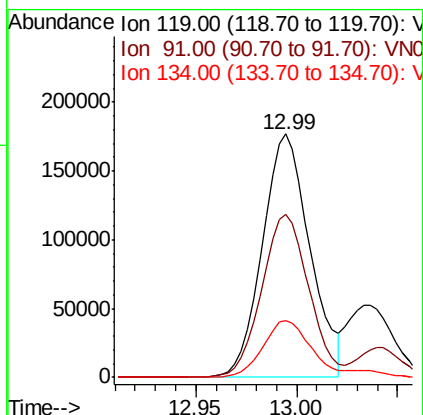
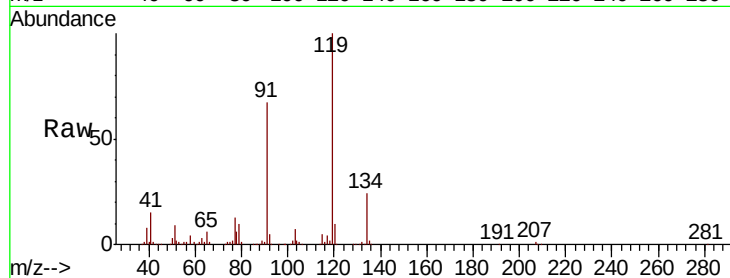




#83
 tert-Butylbenzene
 Concen: 20.616 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

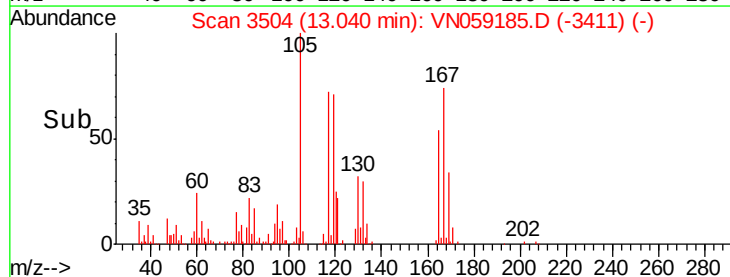
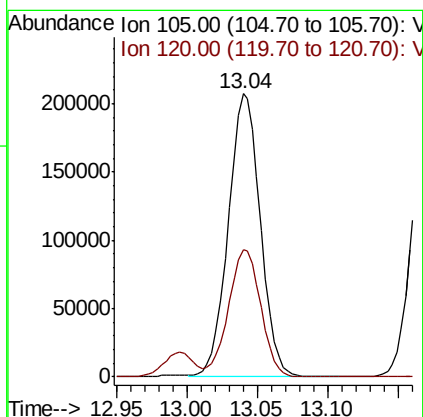
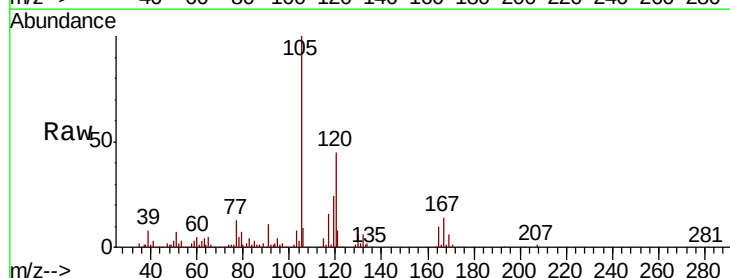
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

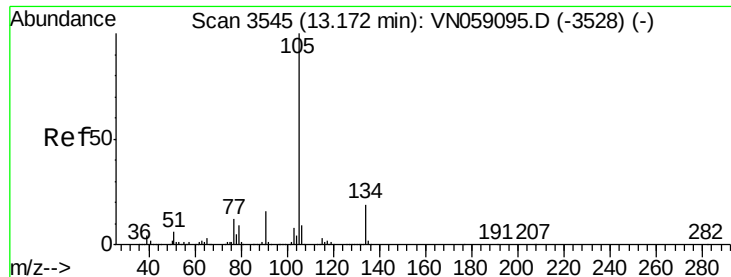
Tot Ion:119 Resp: 289748
 Ion Ratio Lower Upper
 119 100
 91 66.1 33.2 99.6
 134 23.4 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.824 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion:105 Resp: 327887
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.701 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

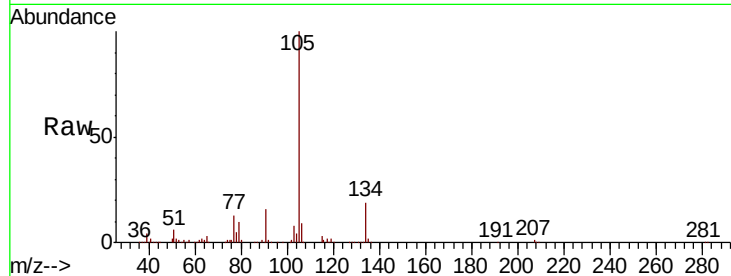
VN1112MBS01

Tot Ion:105 Resp: 378392

Ion Ratio Lower Upper

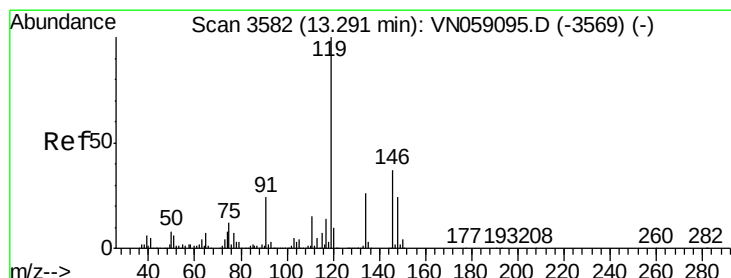
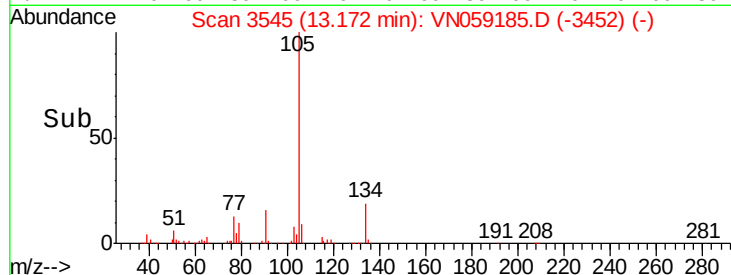
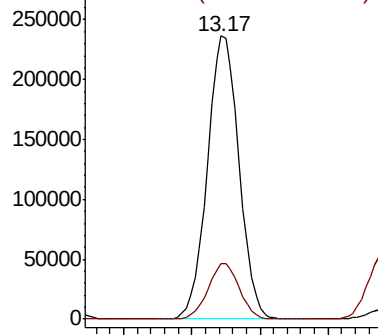
105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.616 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

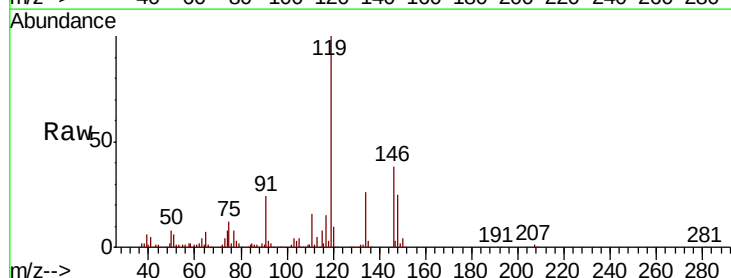
Tgt Ion:119 Resp: 332729

Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

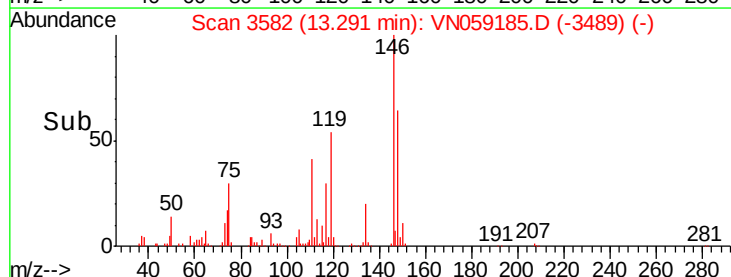
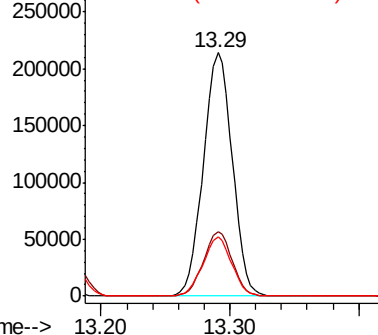
91 24.1 11.7 35.1

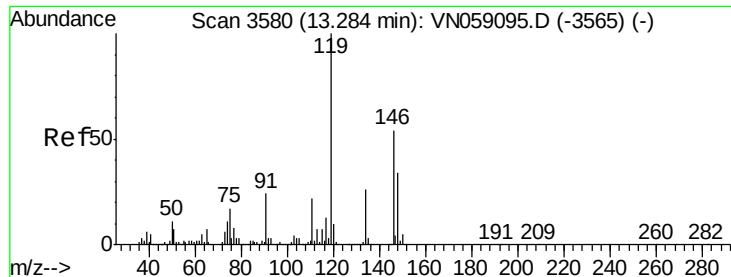


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

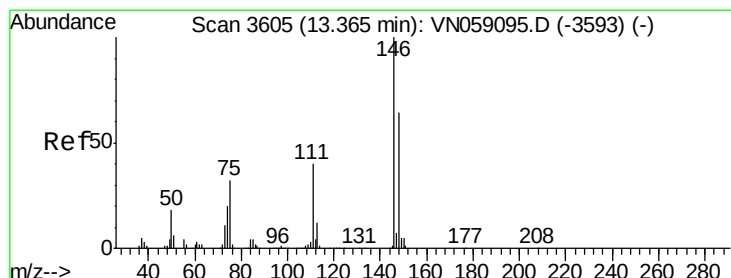
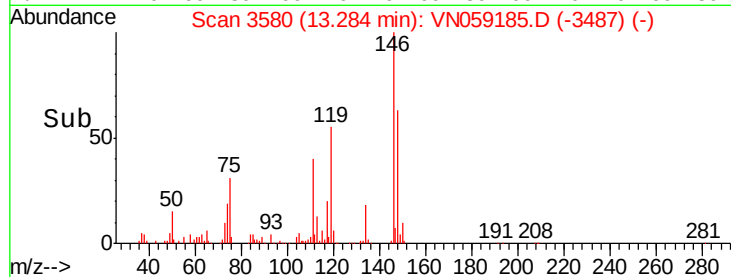
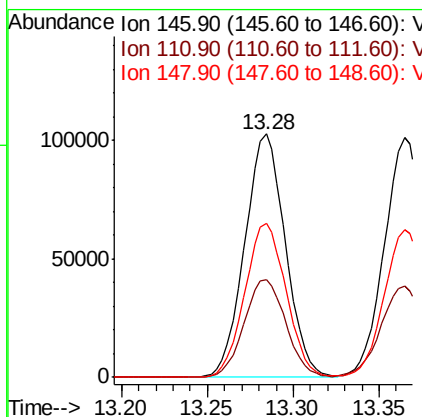
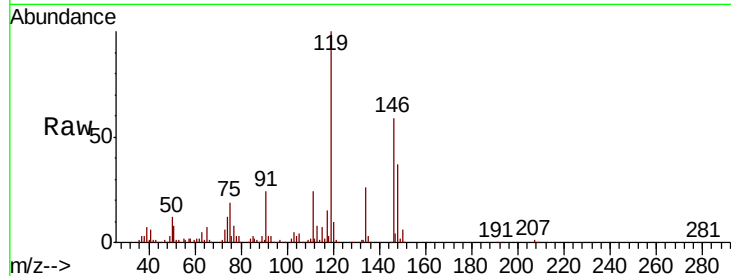




#87
 1,3-Dichlorobenzene
 Concen: 20.391 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

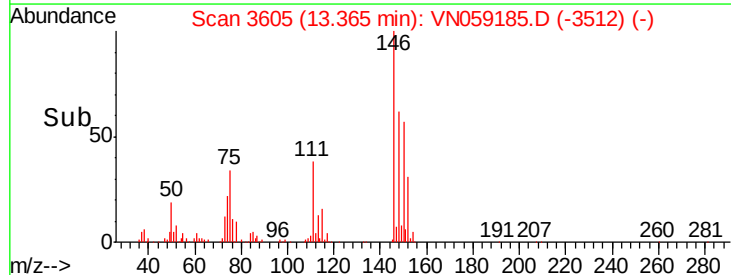
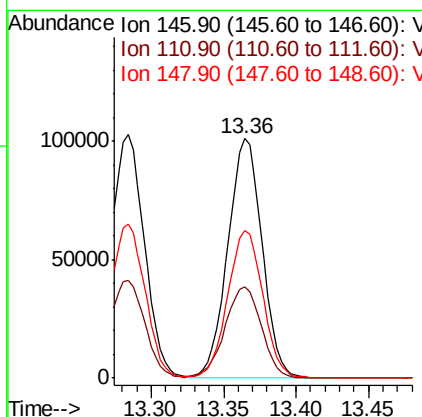
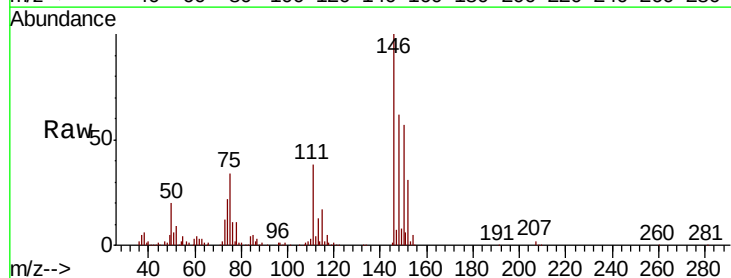
Instrument :
 MSVOA_N
 ClientSampled :
 VN1112MBS01

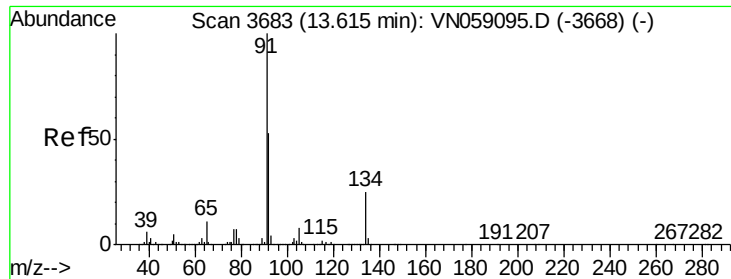
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	64.4	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.090 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.9
148	62.8	31.9	95.7





#89

n-Butylbenzene

Concen: 19.620 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

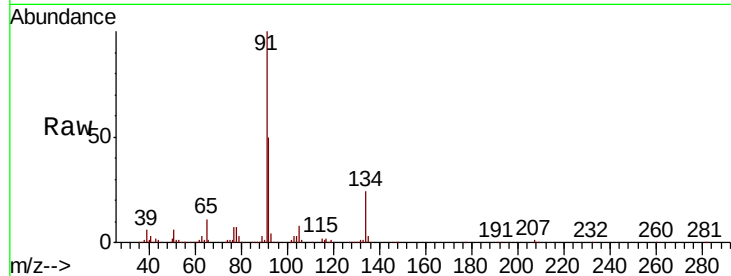
Tot Ion: 91 Resp: 277154

Ion Ratio Lower Upper

91 100

92 51.2 26.1 78.3

134 24.5 12.6 37.8

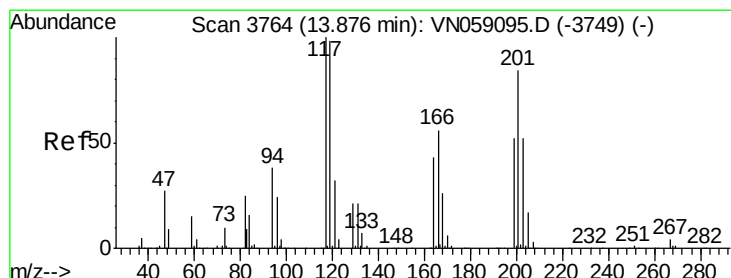
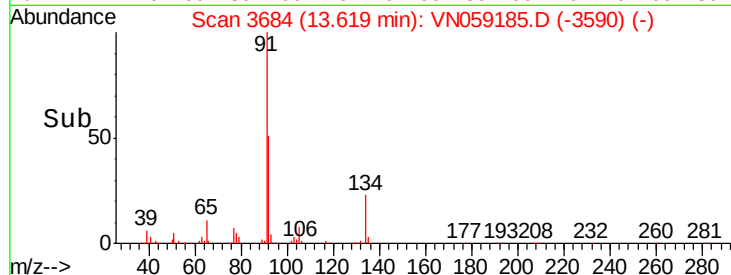


Abundance Ion 91.00 (90.70 to 91.70): VN059185.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN059185.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN059185.D (-3683) (-)

Time-->



#90

Hexachloroethane

Concen: 20.033 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059185.D

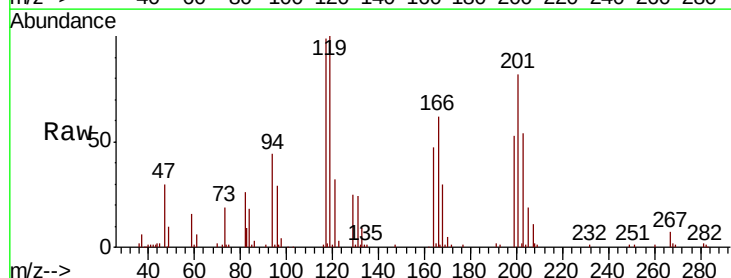
Acq: 12 Nov 2019 13:17

Tgt Ion: 117 Resp: 64924

Ion Ratio Lower Upper

117 100

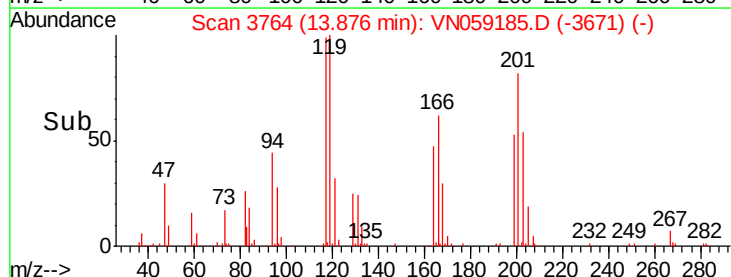
201 82.0 41.8 125.3

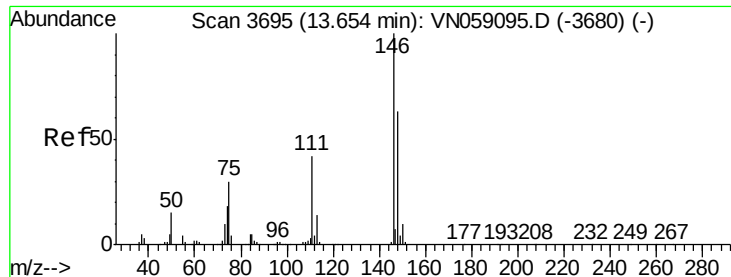


Abundance Ion 116.80 (116.50 to 117.50): VN059185.D (-3764) (-)

Ion 200.70 (200.40 to 201.40): VN059185.D (-3764) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.789 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

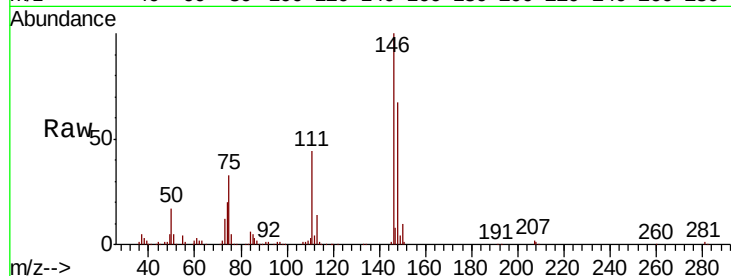
Tot Ion:146 Resp: 168990

Ion Ratio Lower Upper

146 100

111 42.1 21.2 63.6

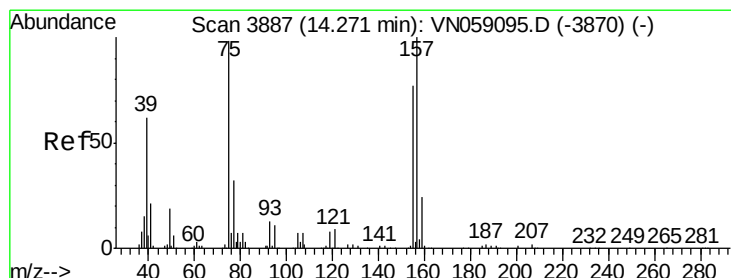
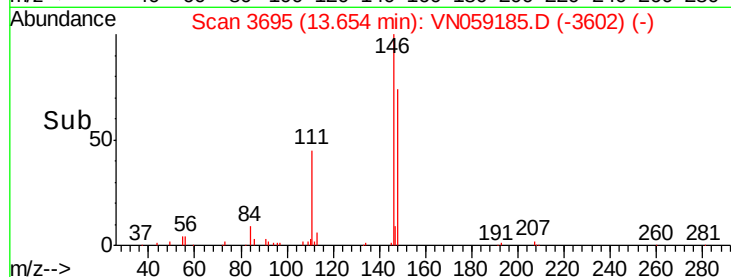
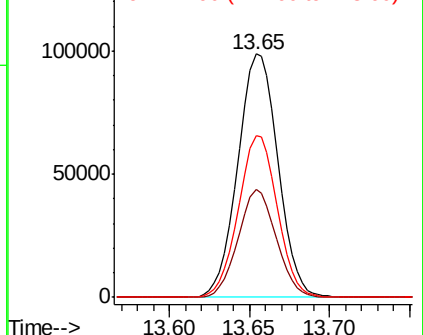
148 64.3 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.117 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

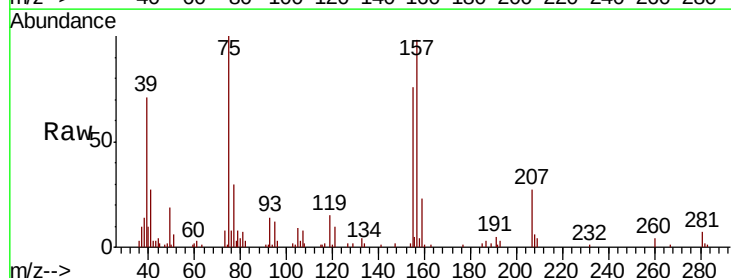
Tgt Ion: 75 Resp: 28842

Ion Ratio Lower Upper

75 100

155 74.1 40.2 120.6

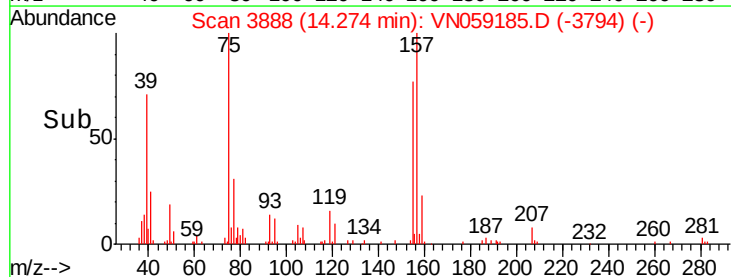
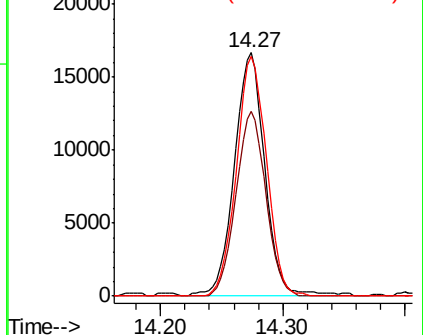
157 96.6 51.8 155.5

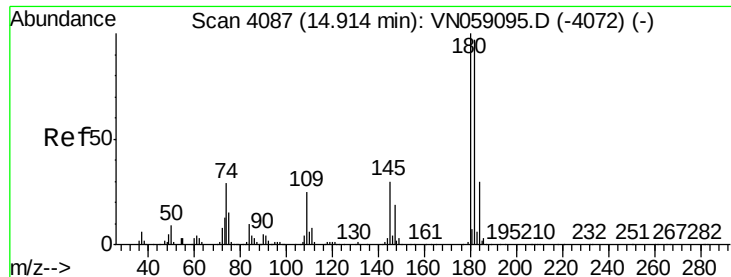


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

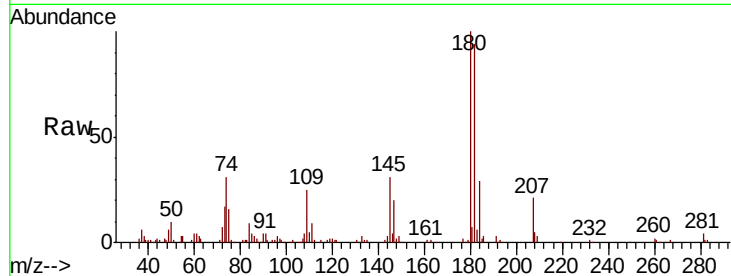




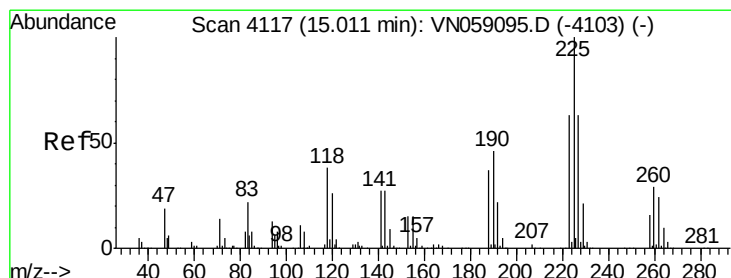
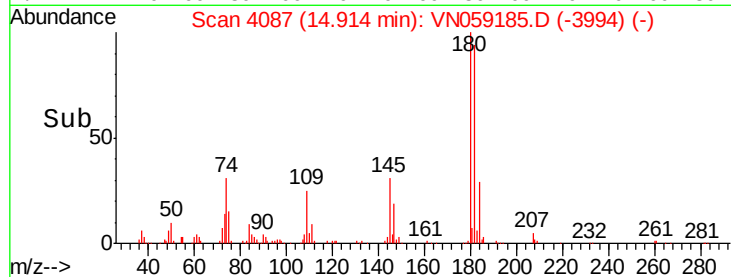
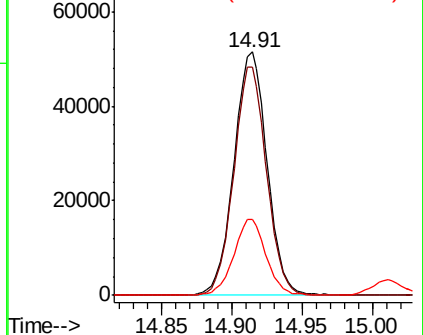
#93
 1,2,4-Trichlorobenzene
 Concen: 19.177 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	48.1	144.3
145	30.3	15.1	45.3

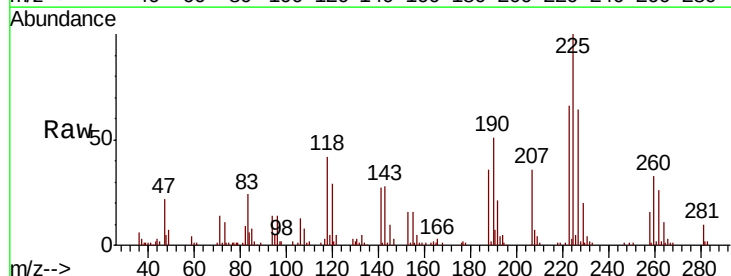


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

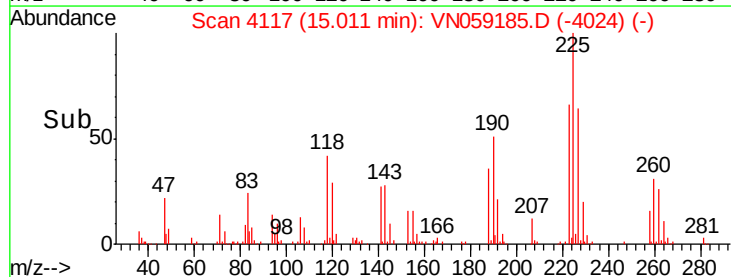
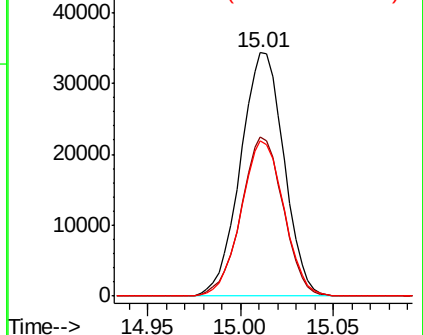


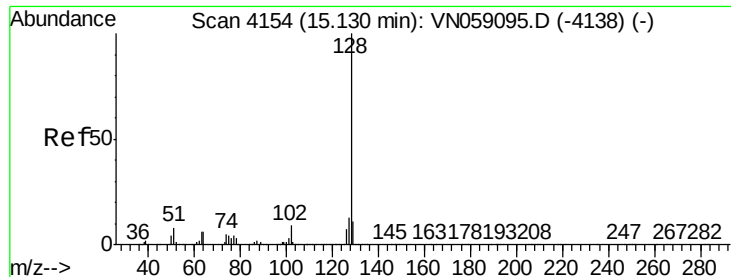
#94
 Hexachlorobutadiene
 Concen: 19.996 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.9
227	62.9	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.447 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

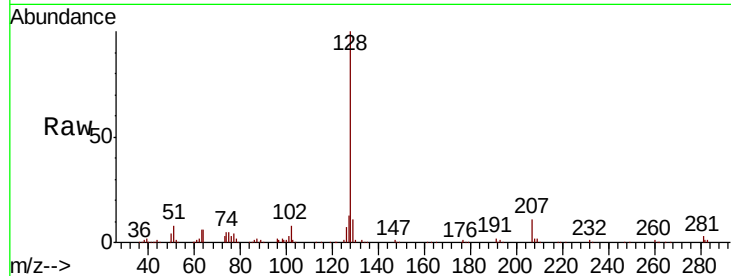
Tot Ion:128 Resp: 224411

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

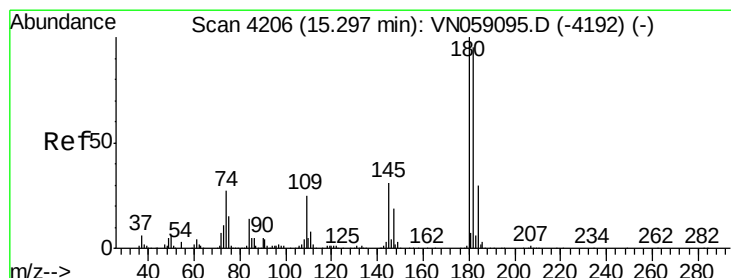
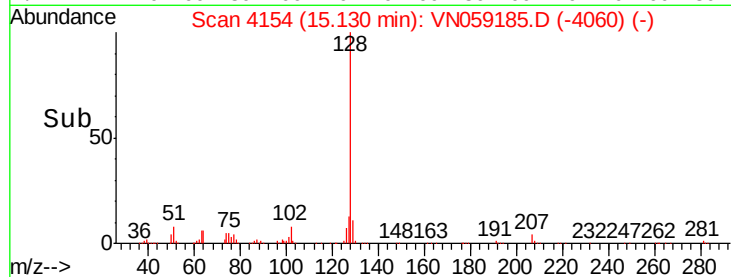
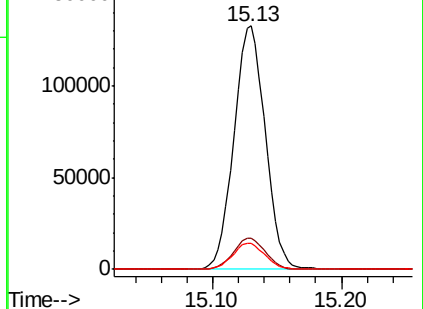
129 10.9 8.6 12.8



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: 19.314 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

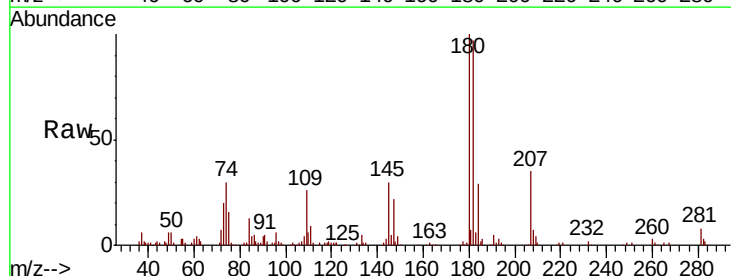
Tgt Ion:180 Resp: 87983

Ion Ratio Lower Upper

180 100

182 94.9 47.3 141.8

145 31.6 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

