

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059294.D
 Acq On : 18 Nov 2019 19:02
 Operator : JC/SP
 Sample : K5900-18 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:52:20 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	7.65	168	517875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	812150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	720389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	346466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	294540	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
35) Dibromofluoromethane	7.57	113	239934	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.08	98	992238	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.40	95	352988	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	

Target Compounds

						Qvalue
3) Chloromethane	2.00	50	5461	0.770	ug/l #	65
8) Diethyl Ether	3.39	74	7557	2.261	ug/l #	1
11) Tert butyl alcohol	4.75	59	1007638	830.545	ug/l #	72
13) Acrolein	3.54	56	356	0.569	ug/l #	1
14) Allyl chloride	4.29	41	4543	0.458	ug/l #	30
15) Acrylonitrile	4.99	53	980	0.325	ug/l #	44
16) Acetone	3.79	43	2930325	885.173	ug/l	97
17) Carbon Disulfide	4.03	76	3498	0.233	ug/l #	89
18) Methyl Acetate	4.30	43	433292	55.143	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	382091	22.973	ug/l #	90
20) Methylene Chloride	4.52	84	3046	0.528	ug/l #	86
22) Diisopropyl ether	5.93	45	3856545	205.749	ug/l #	1
23) Vinyl Acetate	5.93	43	211228	14.541	ug/l #	79
24) 1,1-Dichloroethane	5.93	63	28412	2.714	ug/l #	85
25) 2-Butanone	6.81	43	1264894	289.915	ug/l	97
29) Tetrahydrofuran	7.19	42	72786	26.255	ug/l	97
30) Chloroform	7.35	83	4136	0.412	ug/l	92
31) Cyclohexane	7.63	56	51206	5.167	ug/l #	77
36) 1,1-Dichloropropene	7.64	75	38445	5.064	ug/l #	50
37) Ethyl Acetate	6.81	43	1264894	149.780	ug/l #	69
38) Carbon Tetrachloride	7.65	117	50013	6.619	ug/l #	16
39) Methylcyclohexane	9.07	83	41549	4.716	ug/l	97
40) Benzene	8.02	78	5590981	244.576	ug/l #	90
41) Methacrylonitrile	7.19	41	46794	12.743	ug/l #	100
42) 1,2-Dichloroethane	8.02	62	48103	6.135	ug/l	78
43) Isopropyl Acetate	7.99	43	3543812	263.216	ug/l #	55
45) 1,2-Dichloropropane	9.12	63	2143	0.345	ug/l #	44
48) Methyl methacrylate	9.15	41	209292	34.754	ug/l #	39
49) 1,4-Dioxane	9.18	88	29201	272.848	ug/l #	21
51) 4-Methyl-2-Pentanone	9.98	43	107600	14.124	ug/l	94
52) Toluene	10.15	92	3907873	285.214	ug/l	76
53) t-1,3-Dichloropropene	10.45	75	4092	0.458	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	2138	0.223	ug/l #	17
55) 1,1,2-Trichloroethane	10.52	97	1536	0.277	ug/l #	14

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

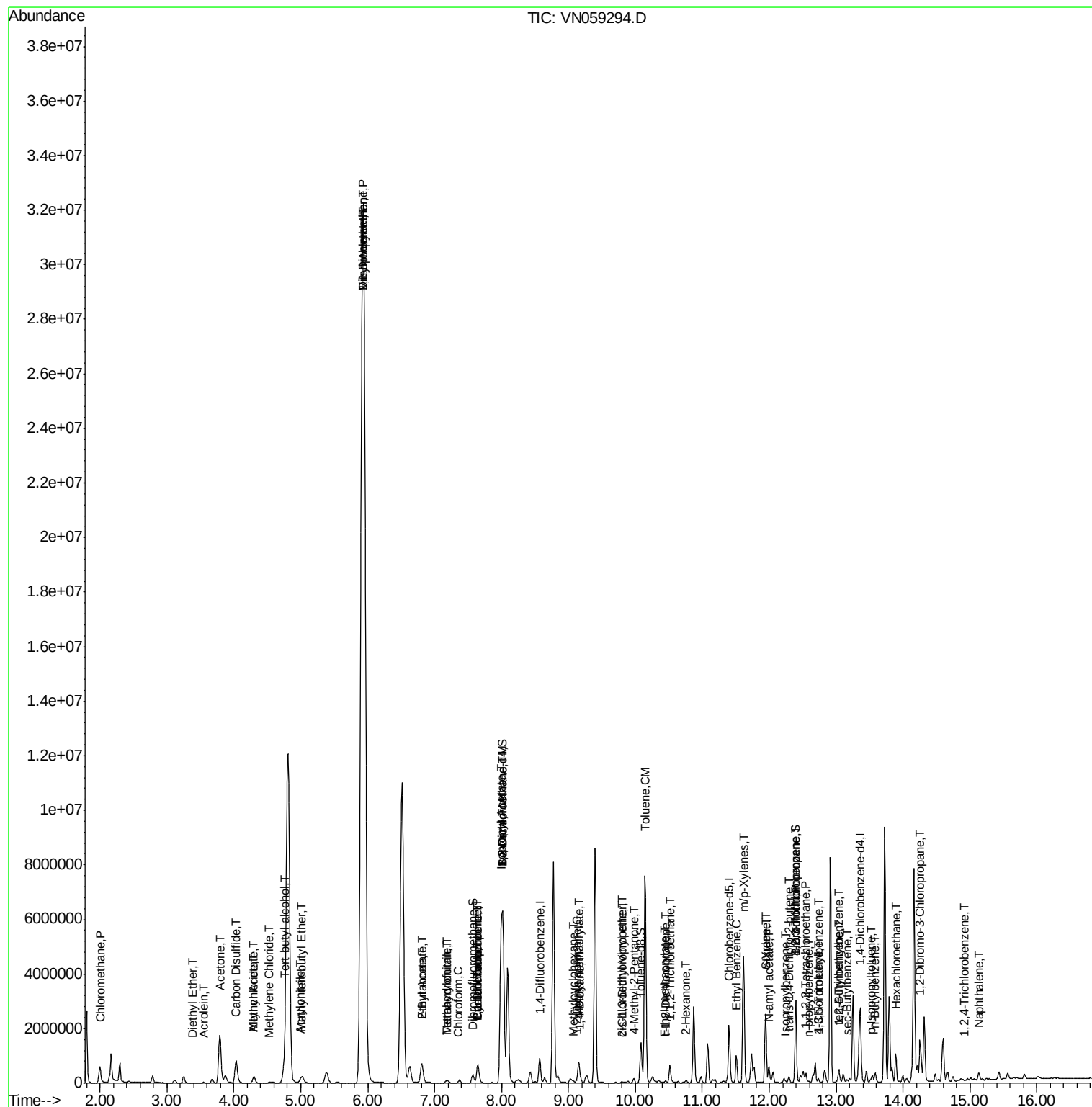
56) Ethyl methacrylate	10.43	69	732	1.949	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.80	63	2580	0.836	ug/l	94
59) 2-Hexanone	10.75	43	23151	3.959	ug/l	91
67) Ethyl Benzene	11.51	91	754235	30.271	ug/l	99
68) m/p-Xylenes	11.62	106	1553078	166.404	ug/l	95
69) o-Xylene	11.95	106	682156	75.631	ug/l	98
70) Styrene	11.95	104	33642	2.372	ug/l #	1
71) Bromoform	12.40	173	1181	0.288	ug/l #	1
73) Isopropylbenzene	12.25	105	27857	1.105	ug/l	100
74) N-amyl acetate	11.99	43	99497	9.317	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.55	83	24627	2.869	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	169022	21.428	ug/l #	100
78) n-propylbenzene	12.59	91	26728	0.926	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	85056	3.983	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	12424	4.160	ug/l #	47
82) 4-Chlorotoluene	12.73	91	8532	0.475	ug/l #	43
83) tert-Butylbenzene	13.04	119	33275	1.804	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.04	105	286966	13.889	ug/l	97
85) sec-Butylbenzene	13.17	105	10168	0.424	ug/l	86
86) p-Isopropyltoluene	13.51	119	32789	1.548	ug/l	87
89) n-Butylbenzene	13.58	91	22078	1.191	ug/l #	1
90) Hexachloroethane	13.89	117	49245	11.580	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	4838	2.850	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	319	3.093	ug/l #	1
95) Naphthalene	15.13	128	188300	12.894	ug/l	99

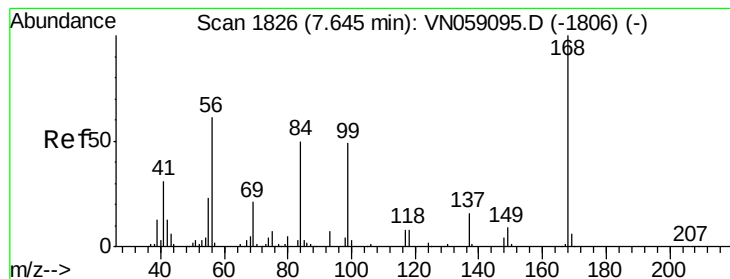
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

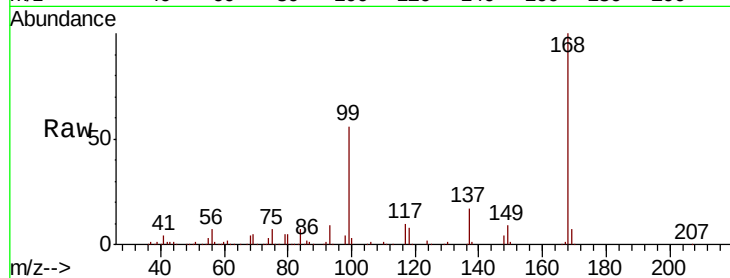
ClientSampleId :

Tot Ion:168 Resp: 517875

Ion Ratio Lower Upper

168 100

99 55.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D

Ion 98.90 (98.60 to 99.60): VN059095.D

7.65

250000

200000

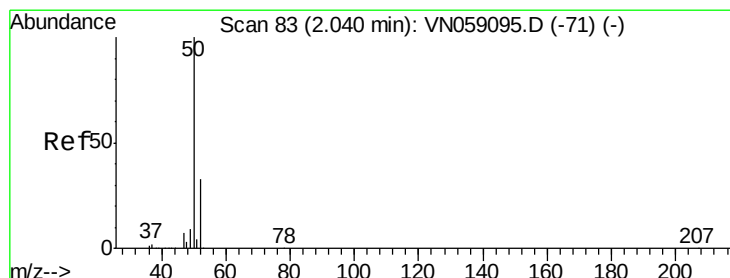
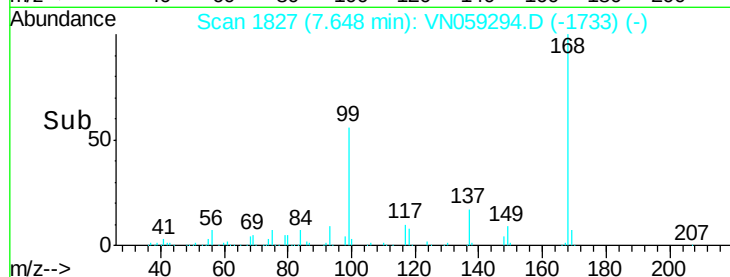
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.770 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.04 min

Lab File: VN059294.D

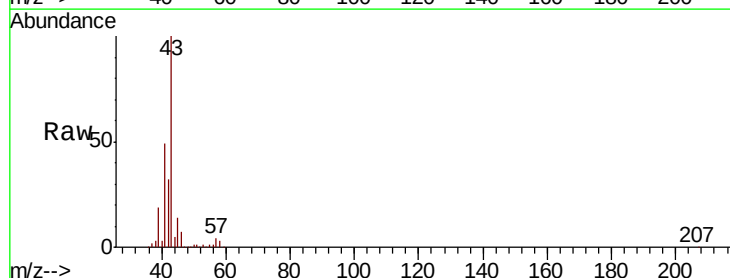
Acq: 18 Nov 2019 19:02

Tgt Ion: 50 Resp: 5461

Ion Ratio Lower Upper

50 100

52 13.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN059294.D

Ion 51.90 (51.60 to 52.60): VN059294.D

2.00

4000

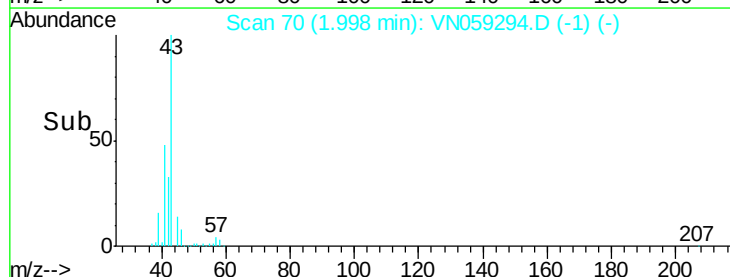
3000

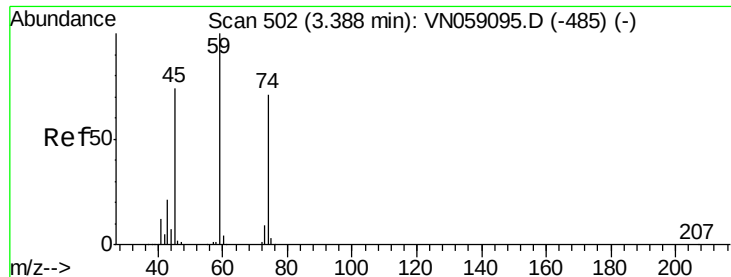
2000

1000

0

Time-->





#8

Diethyl Ether

Concen: 2.261 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

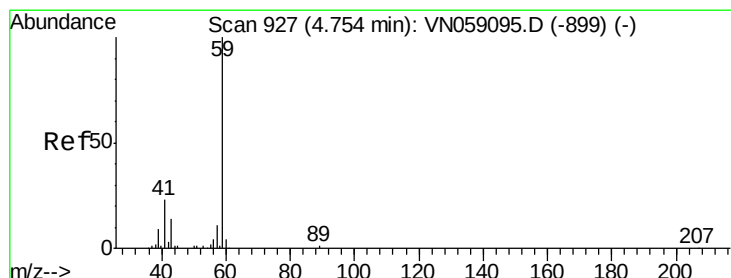
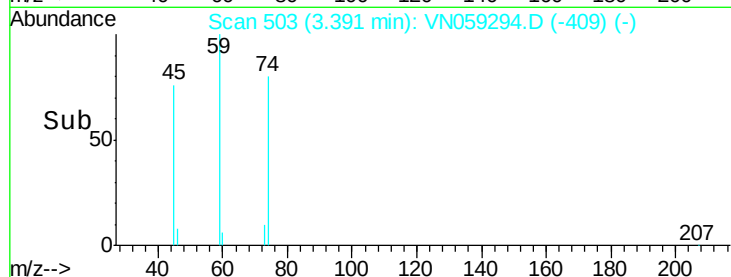
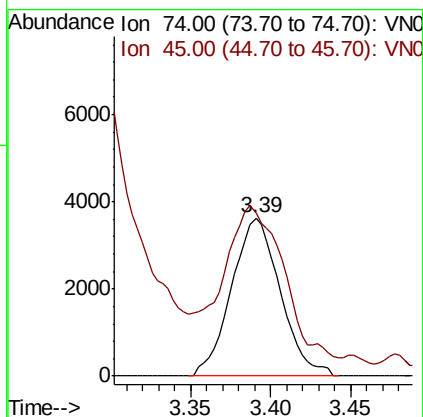
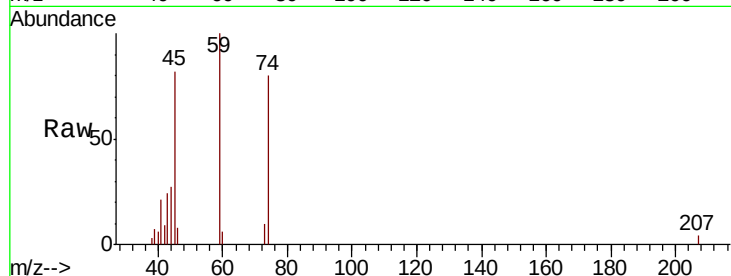
ClientSampled :

Tot Ion: 74 Resp: 7557

Ion Ratio Lower Upper

74 100

45 0.0 51.6 154.9#



#11

Tert butyl alcohol

Concen: 830.545 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN059294.D

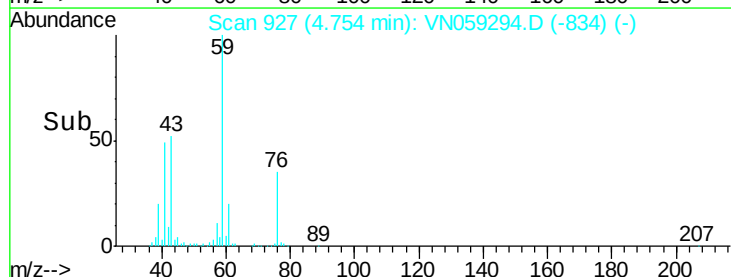
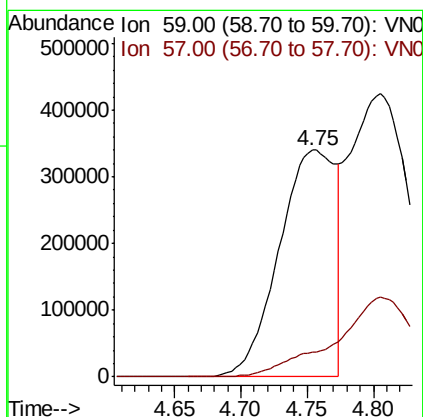
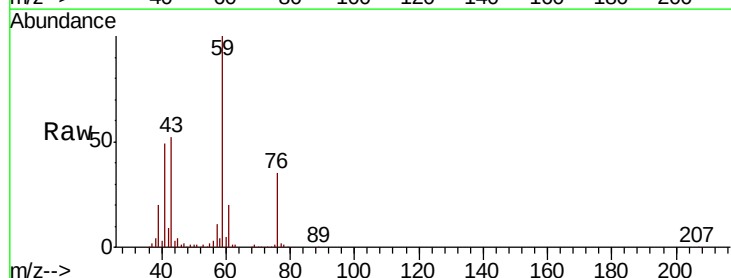
Acq: 18 Nov 2019 19:02

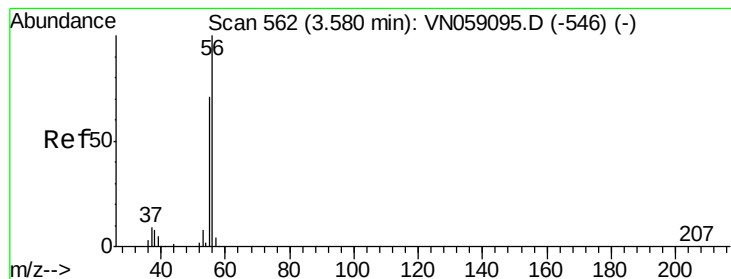
Tgt Ion: 59 Resp: 1007638

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.569 ug/l

RT: 3.54 min Scan# 550

Delta R.T. -0.04 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

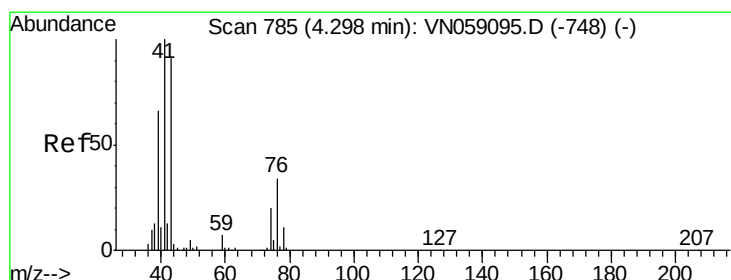
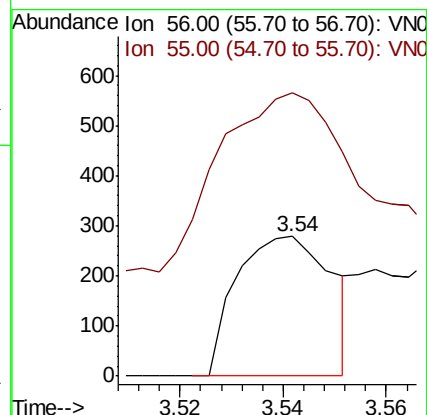
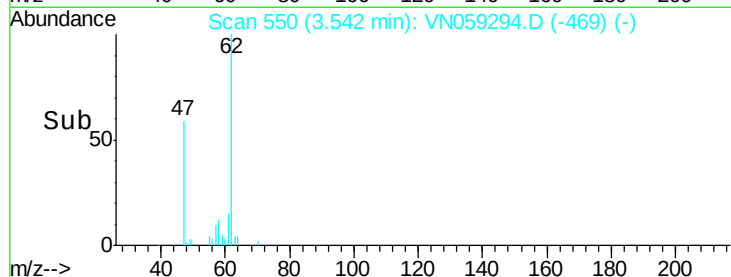
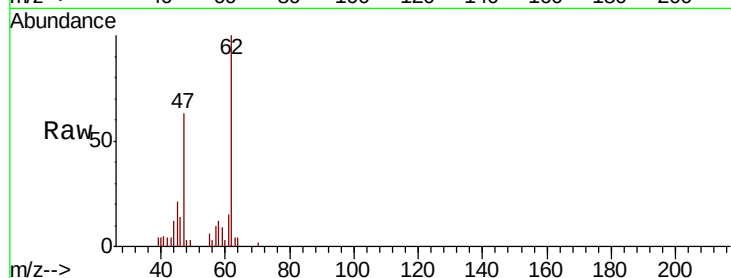
ClientSampleId :

Tot Ion: 56 Resp: 356

Ion Ratio Lower Upper

56 100

55 436.5 56.4 84.6#



#14

Allyl chloride

Concen: 0.458 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

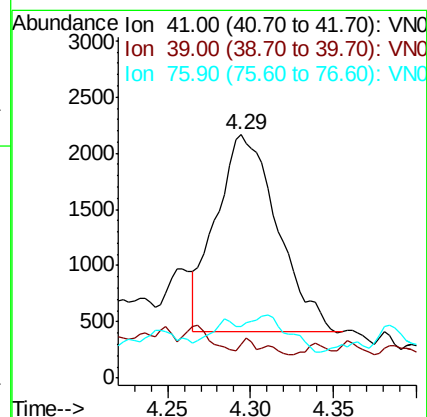
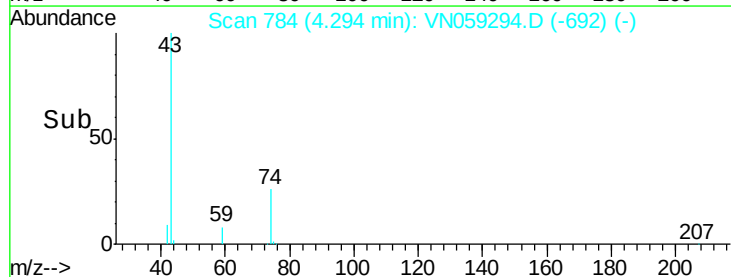
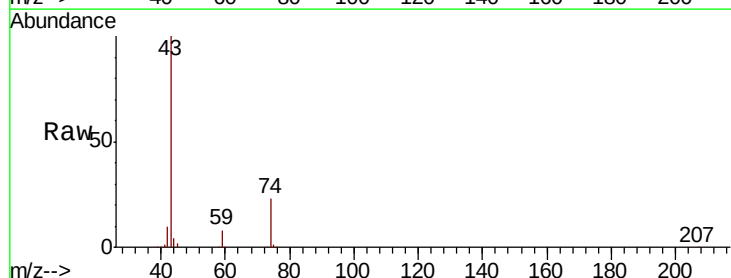
Tgt Ion: 41 Resp: 4543

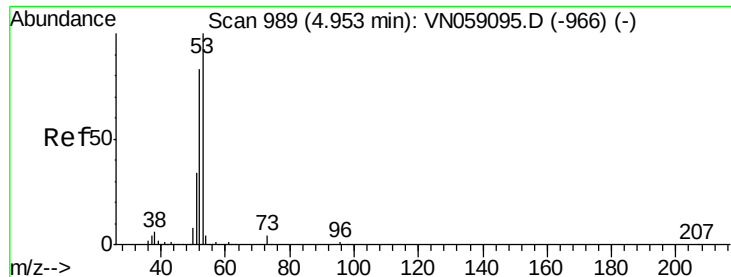
Ion Ratio Lower Upper

41 100

39 0.0 49.1 73.7#

76 3.5 24.9 37.3#





#15

Acrylonitrile

Concen: 0.325 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.04 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

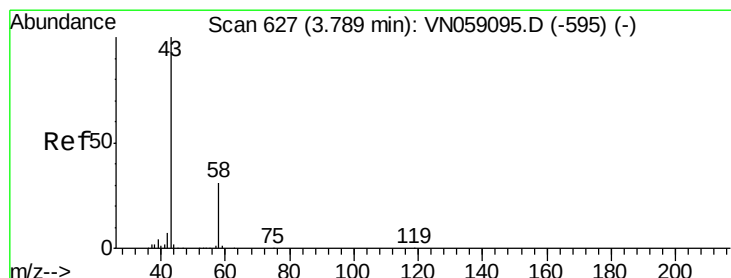
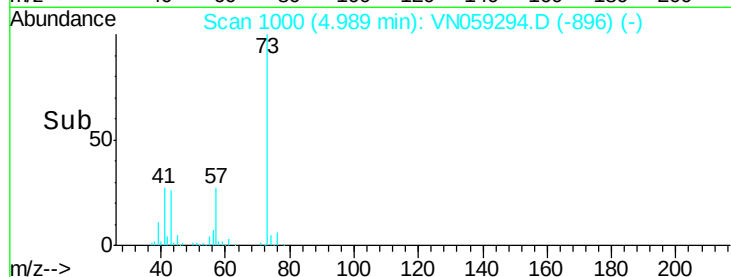
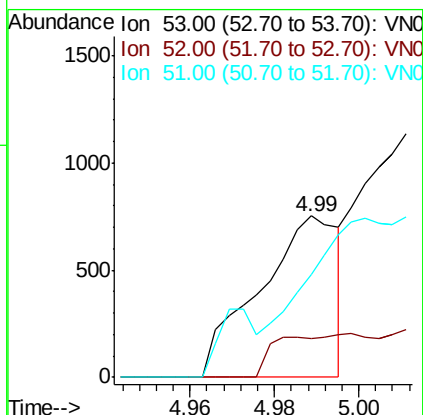
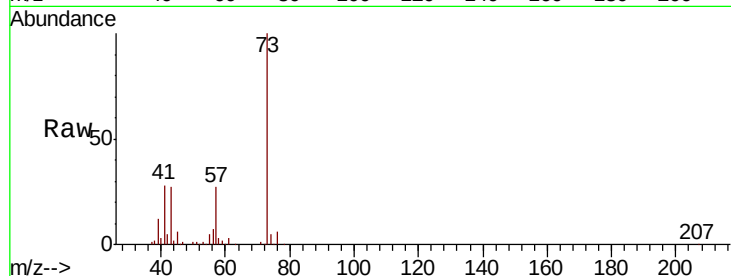
Tot Ion: 53 Resp: 980

Ion Ratio Lower Upper

53 100

52 33.0 65.0 97.6#

51 70.2 28.0 42.0#



#16

Acetone

Concen: 885.173 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059294.D

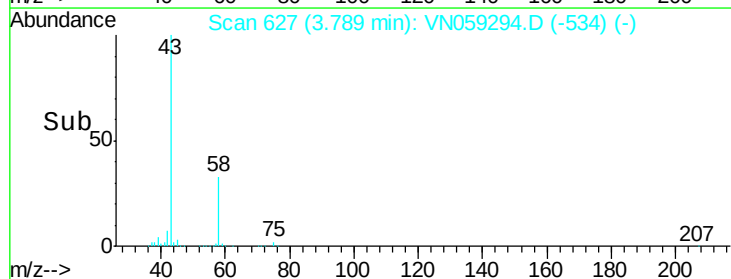
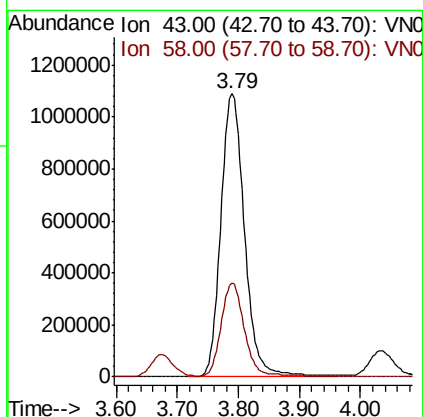
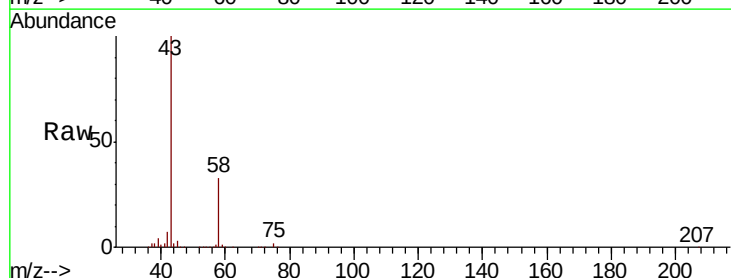
Acq: 18 Nov 2019 19:02

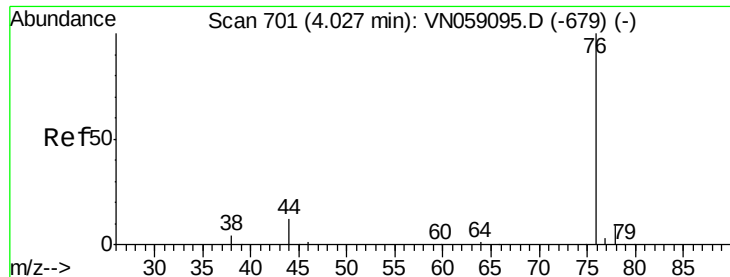
Tgt Ion: 43 Resp: 2930325

Ion Ratio Lower Upper

43 100

58 33.0 24.9 37.3





#17

Carbon Disulfide

Concen: 0.233 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

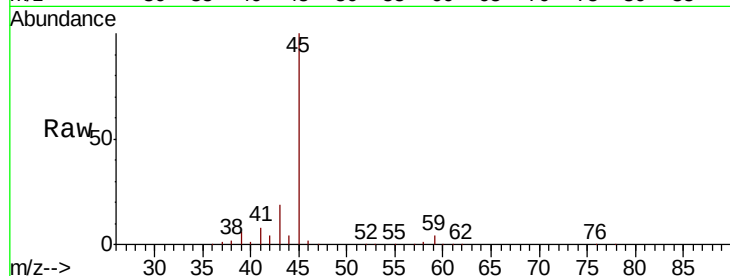
ClientSampled :

Tot Ion: 76 Resp: 3498

Ion Ratio Lower Upper

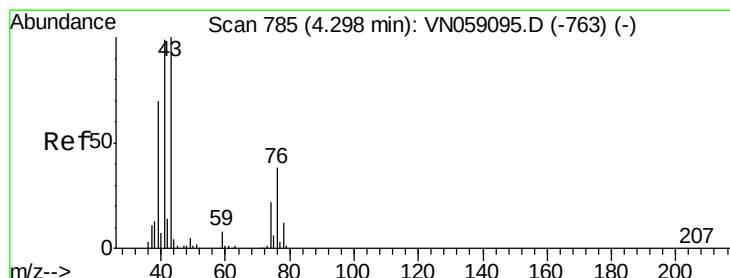
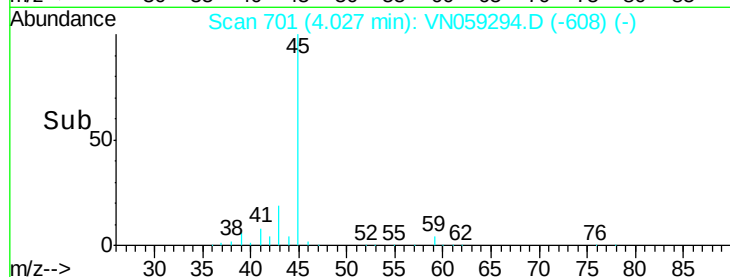
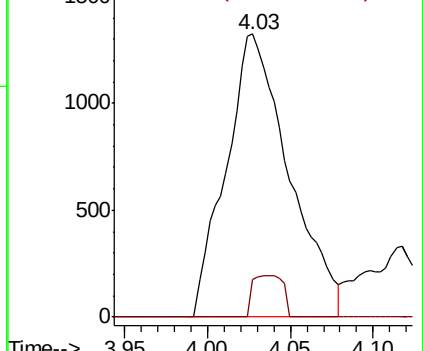
76 100

78 13.4 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: 55.143 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059294.D

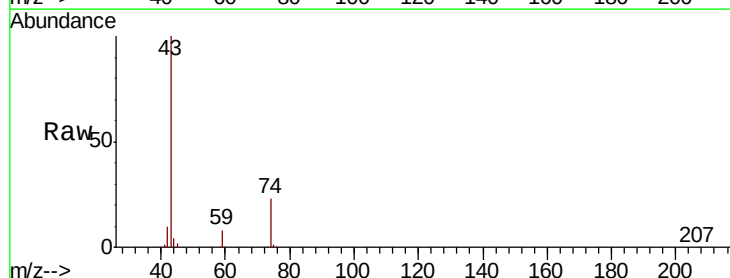
Acq: 18 Nov 2019 19:02

Tgt Ion: 43 Resp: 433292

Ion Ratio Lower Upper

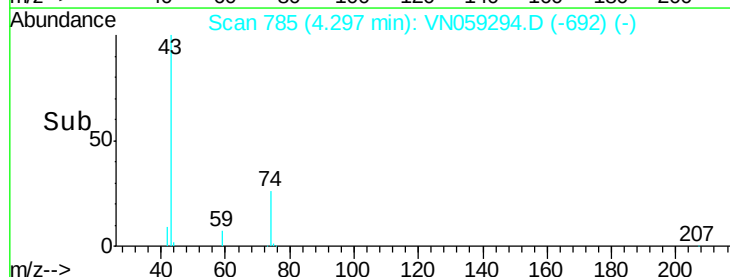
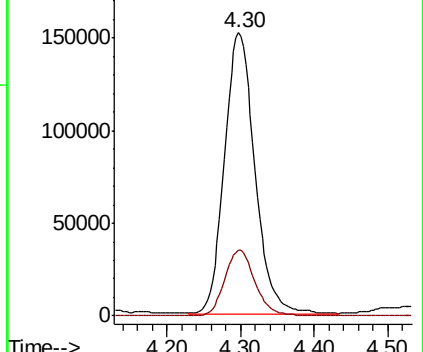
43 100

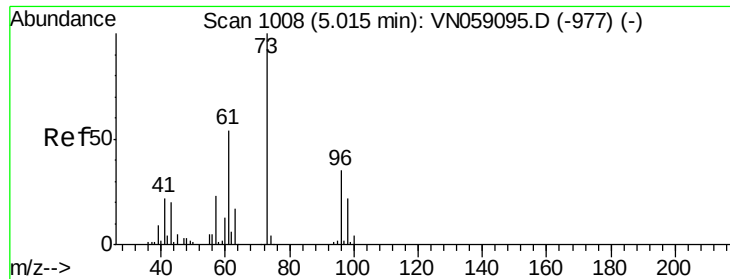
74 23.5 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

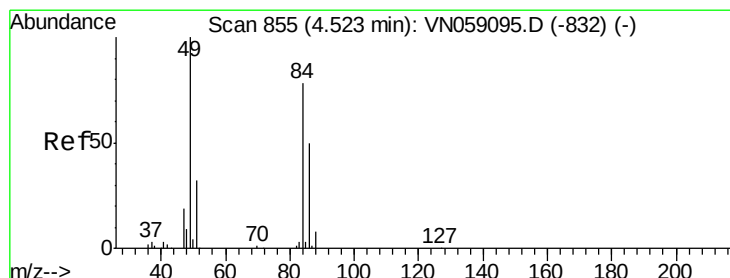
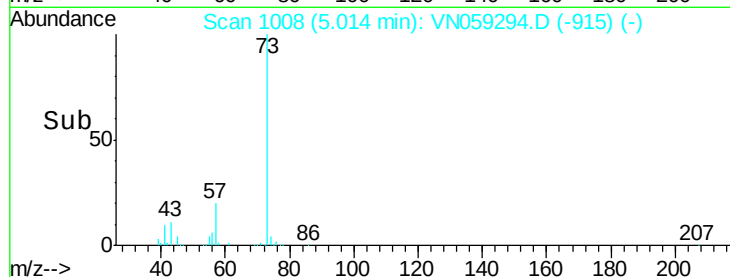
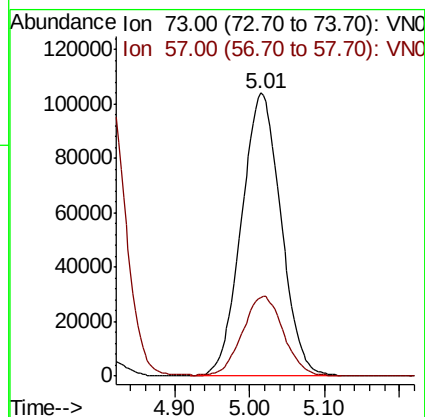
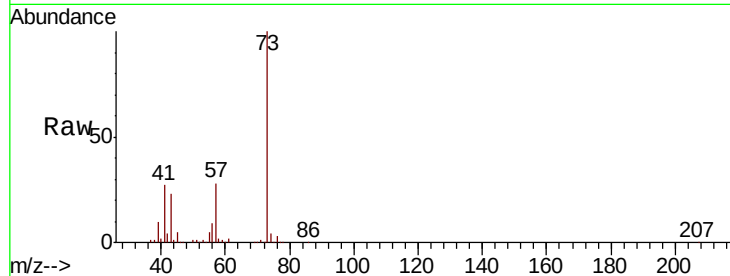




#19
Methvl tert-butvl Ether
Concen: 22.973 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

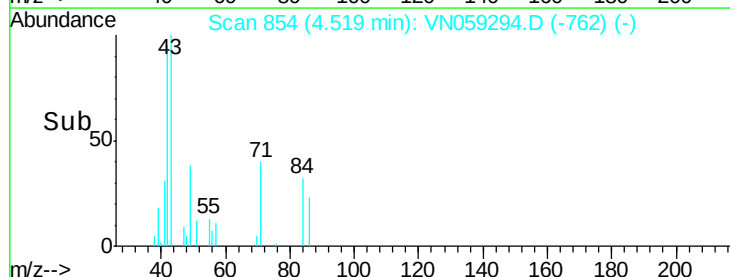
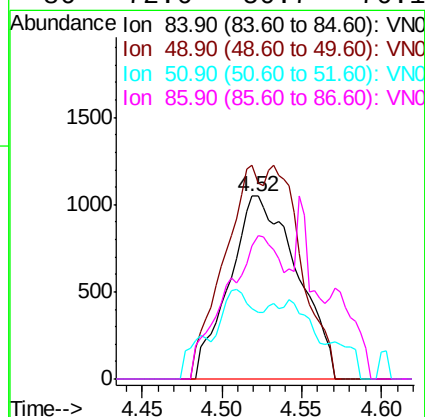
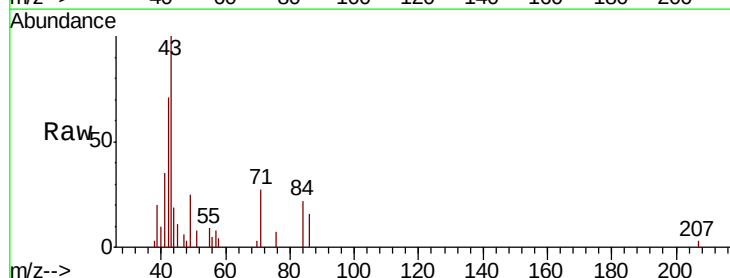
Instrument :
MSVOA_N
ClientSampled :

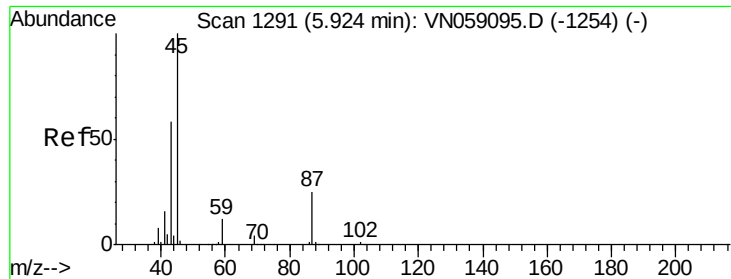
Tot Ion: 73 Resp: 382091
Ion Ratio Lower Upper
73 100
57 27.8 18.4 27.6#



#20
Methylene Chloride
Concen: 0.528 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

Tgt Ion: 84 Resp: 3046
Ion Ratio Lower Upper
84 100
49 116.8 102.0 153.0
51 21.8 32.2 48.2#
86 72.6 50.7 76.1

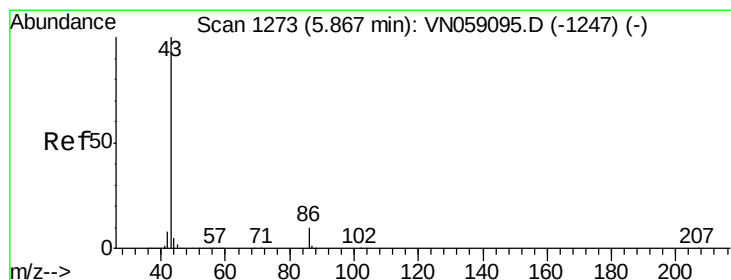
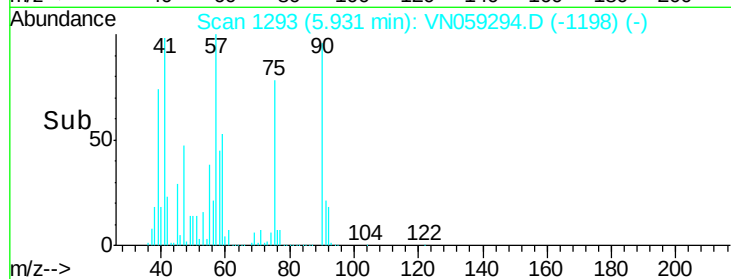
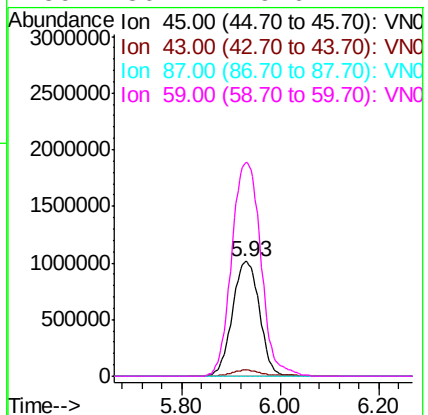
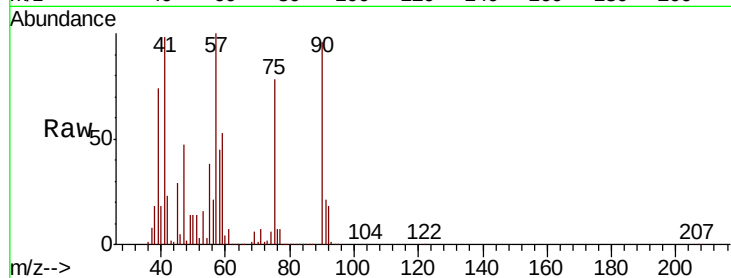




#22
Diisopropyl ether
Concen: 205.749 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.01 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

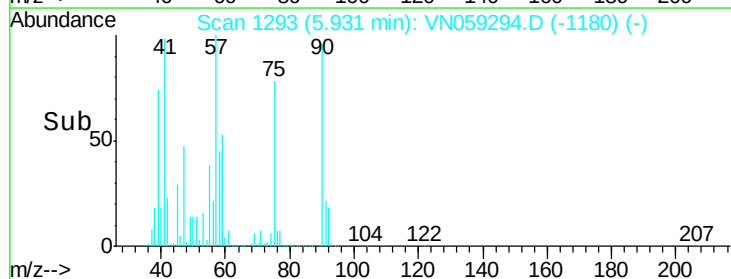
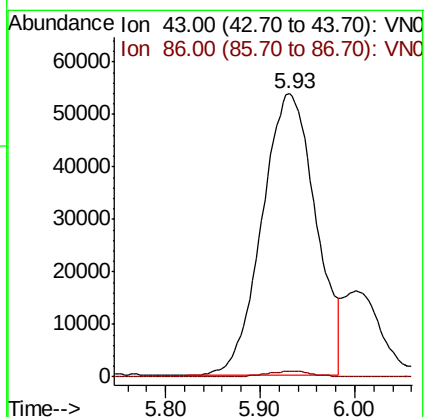
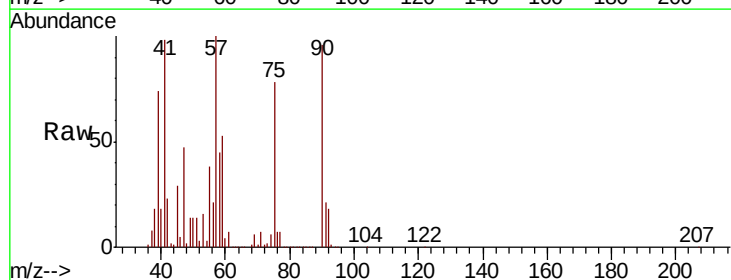
Instrument :
MSVOA_N
ClientSampled :

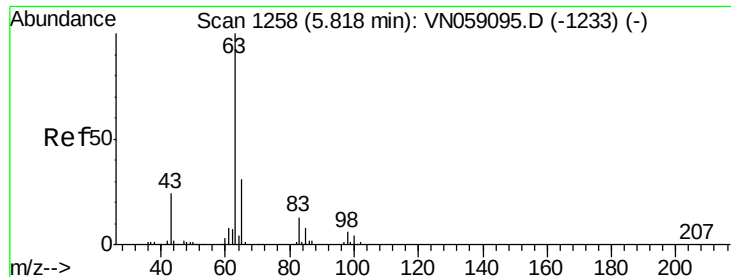
Tot Ion: 45 Resp: 3856545
Ion Ratio Lower Upper
45 100
43 5.3 46.7 70.1#
87 0.5 20.5 30.7#
59 186.2 9.6 14.4#



#23
Vinyl Acetate
Concen: 14.541 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.06 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

Tgt Ion: 43 Resp: 211228
Ion Ratio Lower Upper
43 100
86 2.0 7.7 11.5#





#24

1,1-Dichloroethane

Concen: 2.714 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.11 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

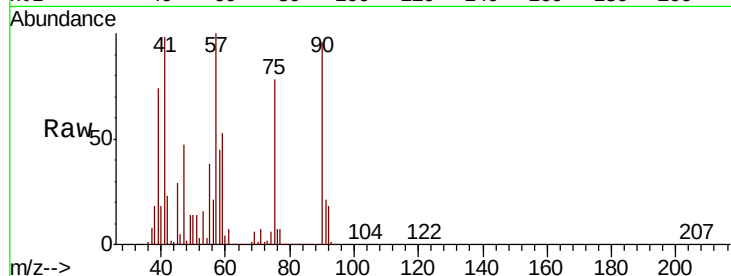
Tot Ion: 63 Resp: 28412

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.9 5.7#

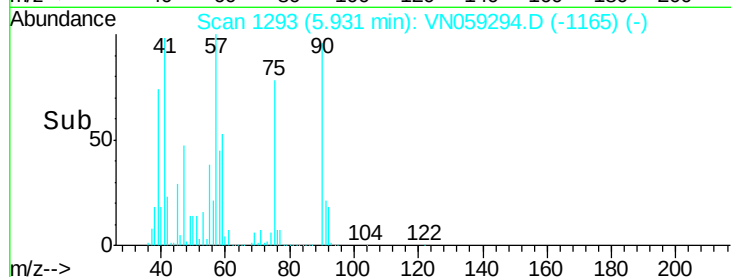


Abundance Ion 62.90 (62.60 to 63.60): VN059294.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059294.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059294.D (-1165) (-)

Time-->

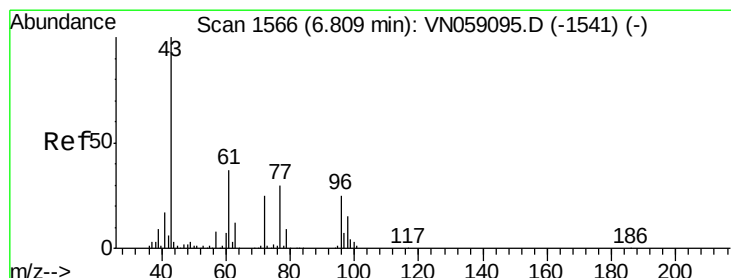


Abundance Ion 62.90 (62.60 to 63.60): VN059294.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059294.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059294.D (-1165) (-)

Time-->



#25

2-Butanone

Concen: 289.915 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059294.D

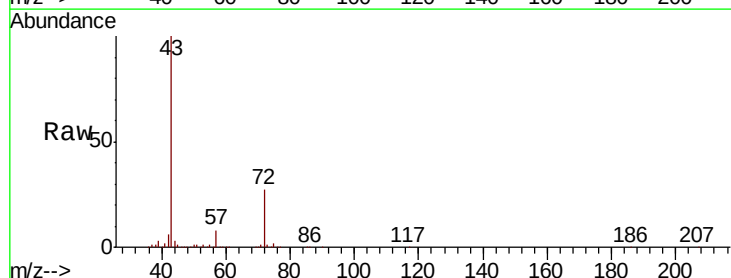
Acq: 18 Nov 2019 19:02

Tgt Ion: 43 Resp: 1264894

Ion Ratio Lower Upper

43 100

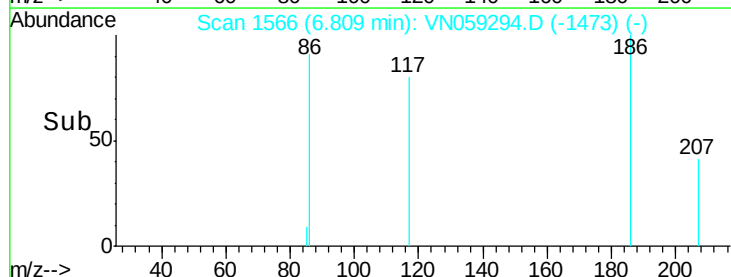
72 26.7 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN059294.D (-1473) (-)

Ion 72.00 (71.70 to 72.70): VN059294.D (-1473) (-)

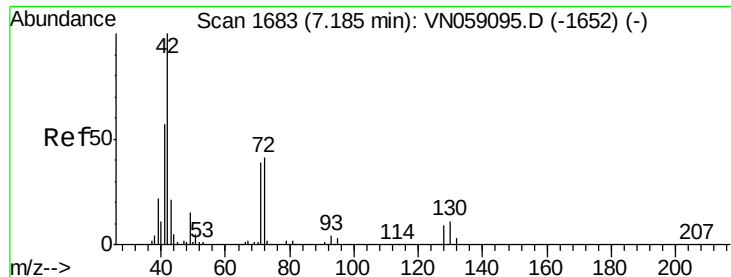
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN059294.D (-1473) (-)

Ion 72.00 (71.70 to 72.70): VN059294.D (-1473) (-)

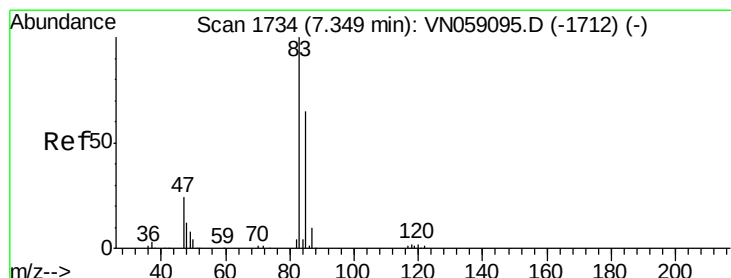
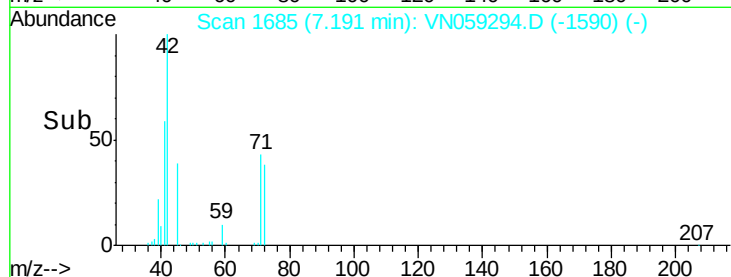
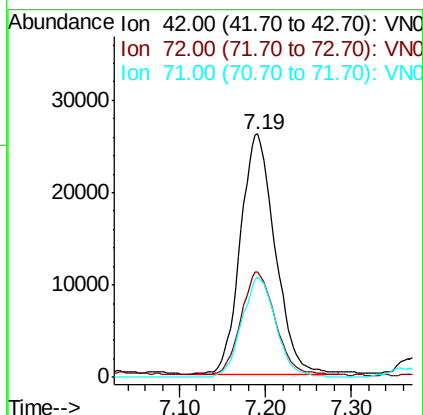
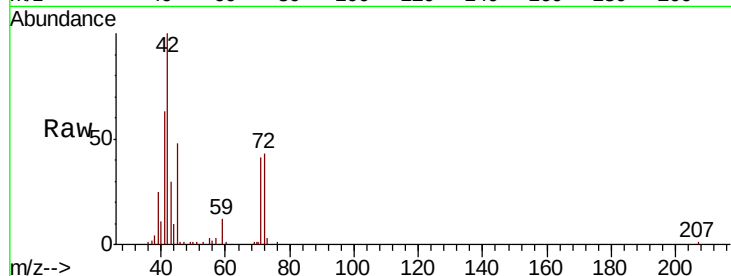
Time-->



#29
Tetrahydrofuran
Concen: 26.255 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

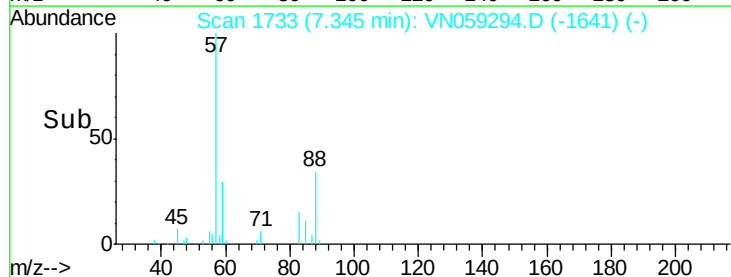
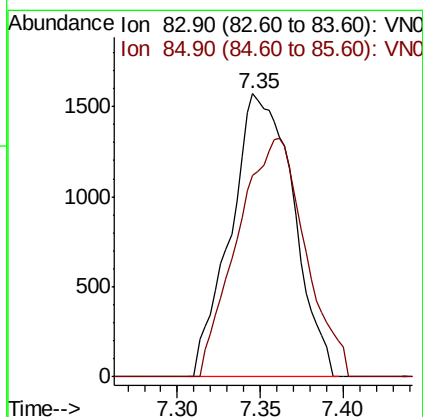
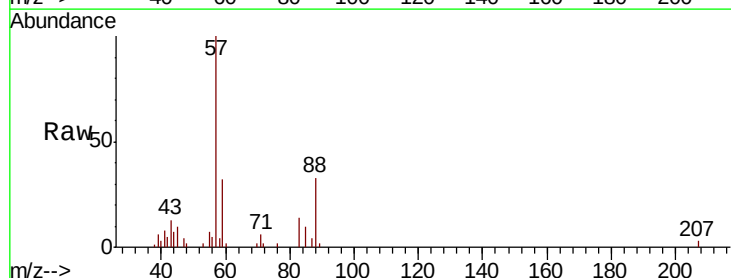
Instrument :
MSVOA_N
ClientSampled :

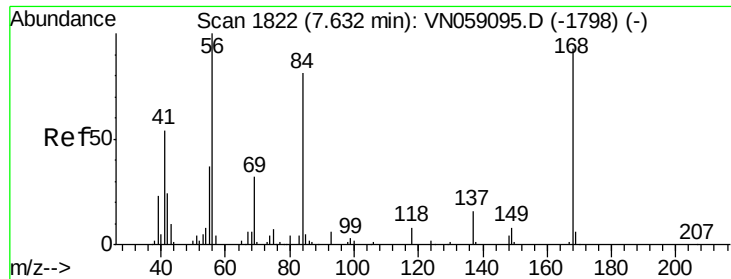
Tot Ion: 42 Resp: 72786
Ion Ratio Lower Upper
42 100
72 42.2 33.1 49.7
71 41.0 30.9 46.3



#30
Chloroform
Concen: 0.412 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

Tgt Ion: 83 Resp: 4136
Ion Ratio Lower Upper
83 100
85 71.0 51.8 77.8

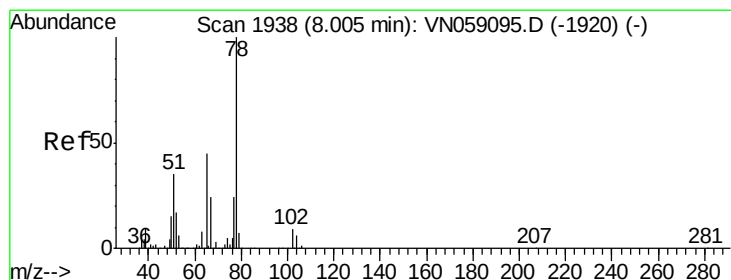
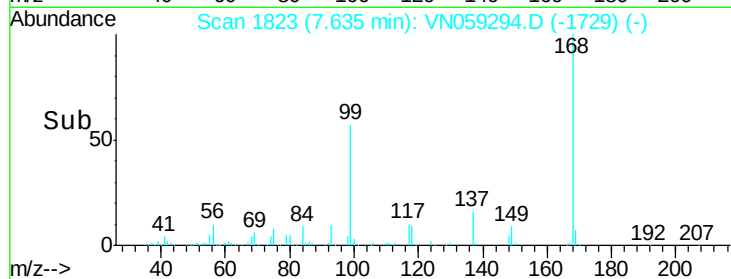
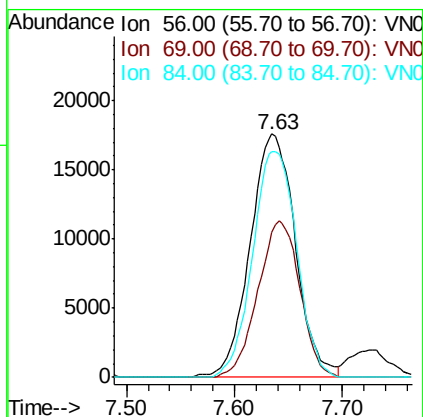
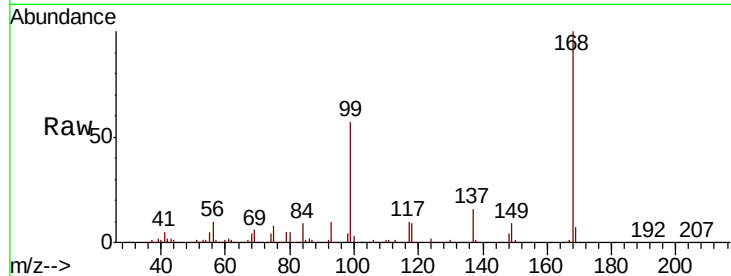




#31
Cyclohexane
Concen: 5.167 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

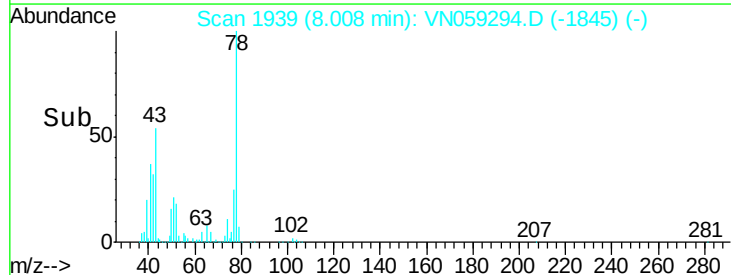
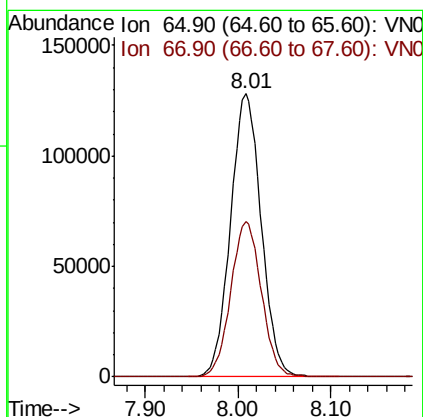
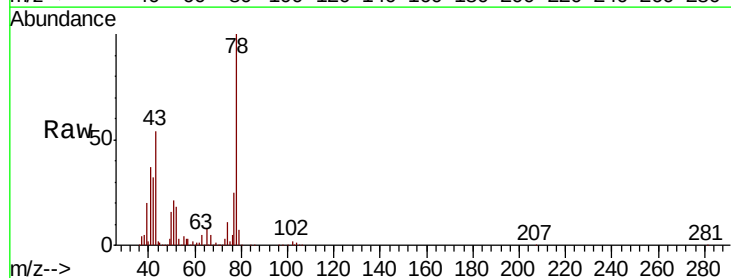
Instrument :
MSVOA_N
ClientSampleId :

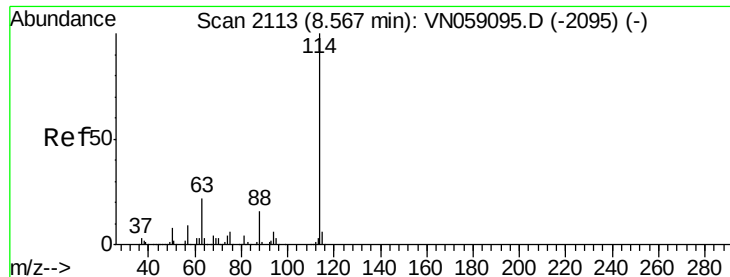
Tot Ion: 56 Resp: 51206
Ion Ratio Lower Upper
56 100
69 59.5 25.8 38.8#
84 92.5 65.0 97.4



#33
1,2-Dichloroethane-d4
Concen: 46.268 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

Tgt Ion: 65 Resp: 294540
Ion Ratio Lower Upper
65 100
67 54.6 0.0 107.4

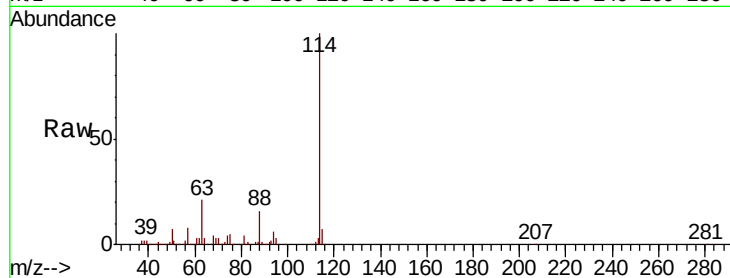




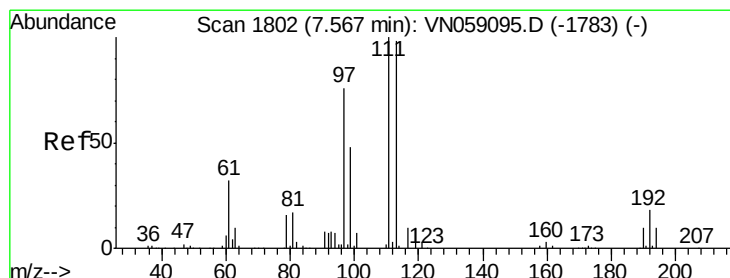
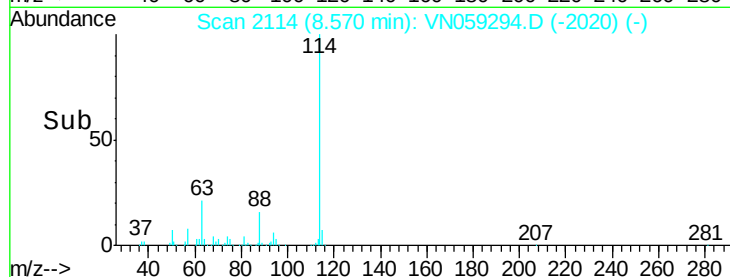
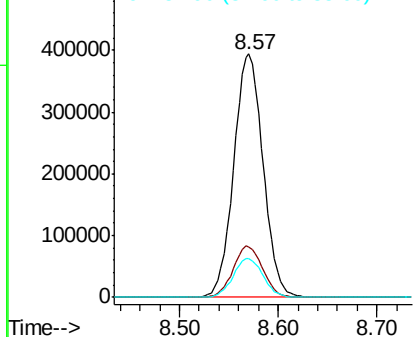
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 812150
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.4
 88 15.7 0.0 32.2

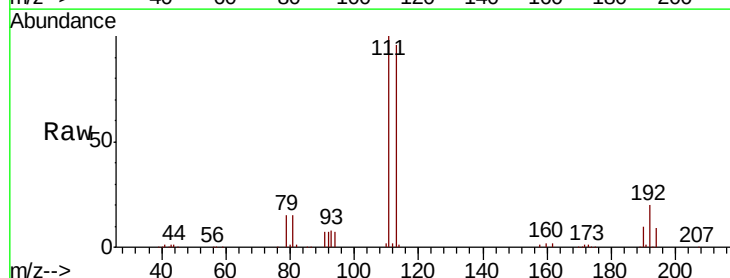


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

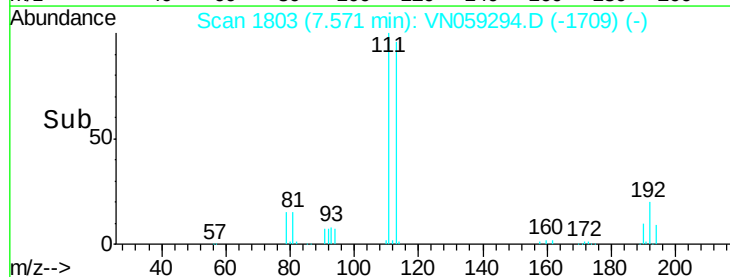
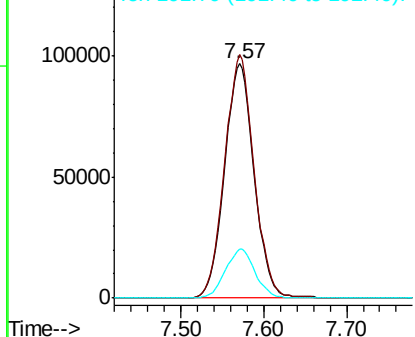


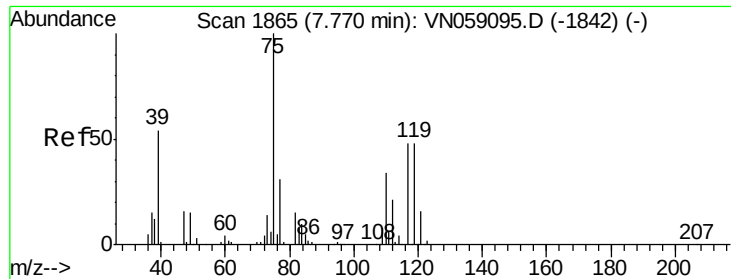
#35
 Dibromofluoromethane
 Concen: 49.478 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

Tgt Ion:113 Resp: 239934
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.8 124.2
 192 20.9 16.1 24.1



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

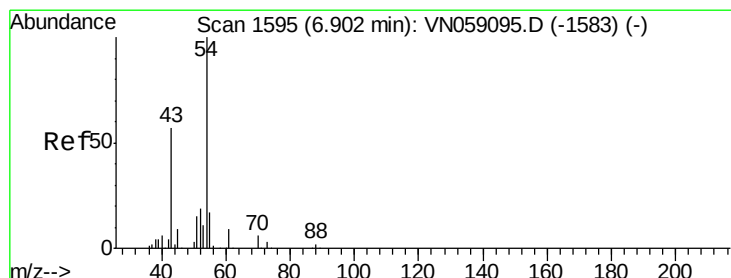
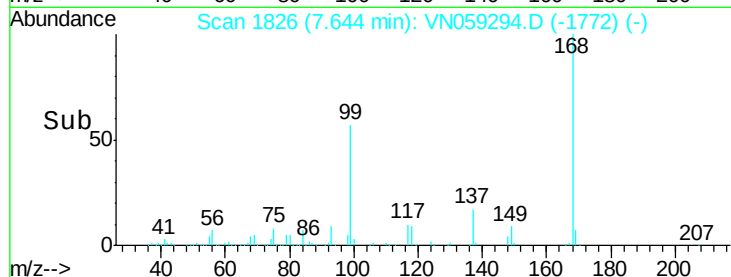
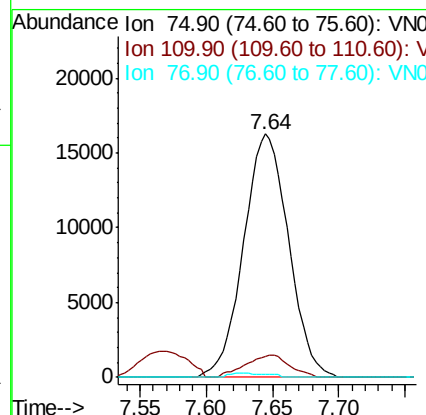
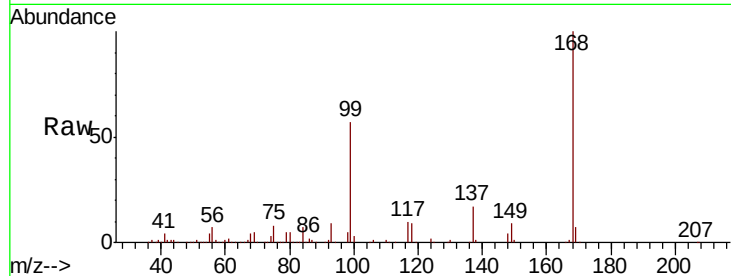




#36
 1,1-Dichloropropene
 Concen: 5.064 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

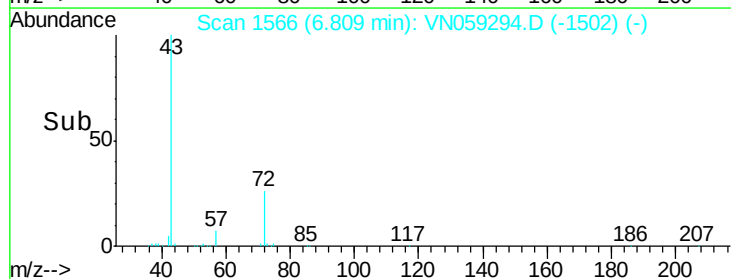
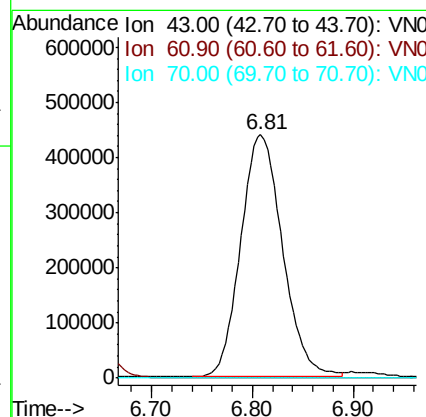
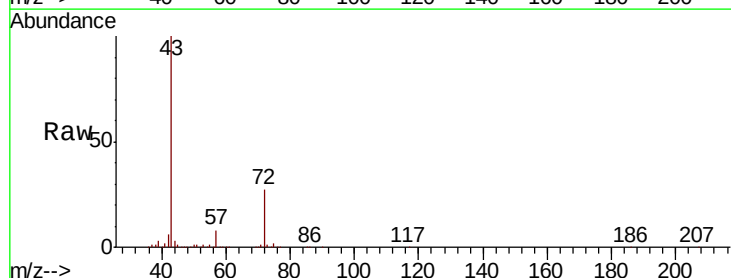
Instrument :
 MSVOA_N
 ClientSampleId :

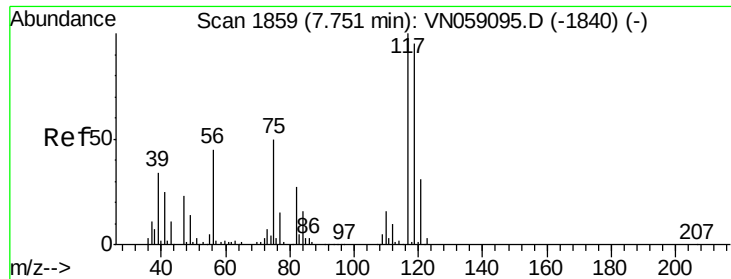
Tot Ion	75	Resp	38445
Ion Ratio	100	Lower	Upper
75	100		
110	8.9	17.1	51.2#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 149.780 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

Tgt Ion	43	Resp	1264894
Ion Ratio	100	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	7.8	11.8#

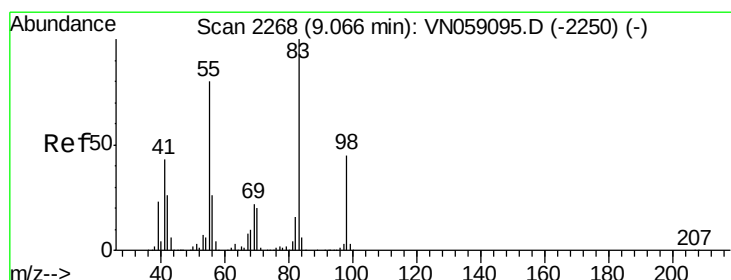
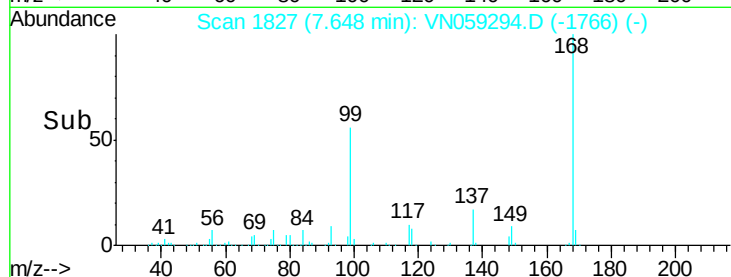
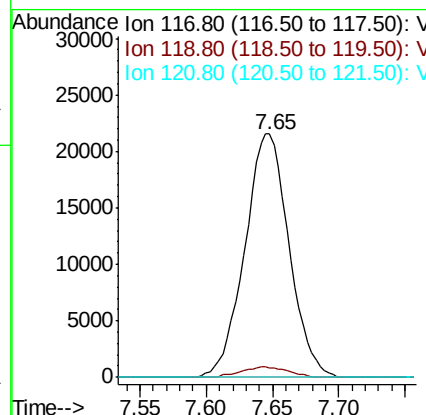
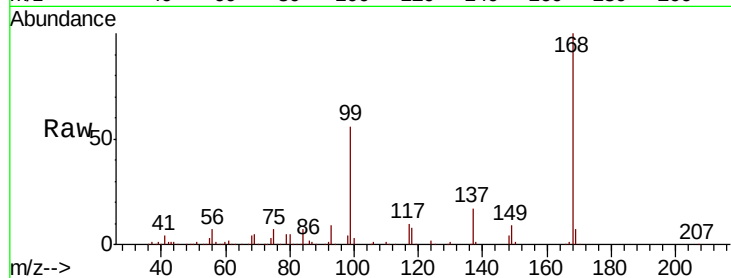




#38
Carbon Tetrachloride
Concen: 6.619 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.10 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

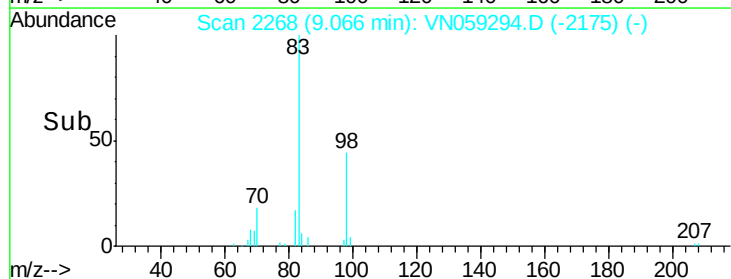
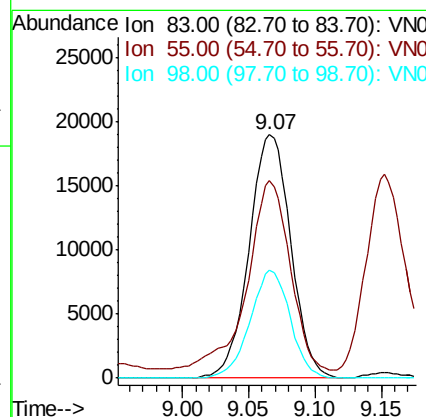
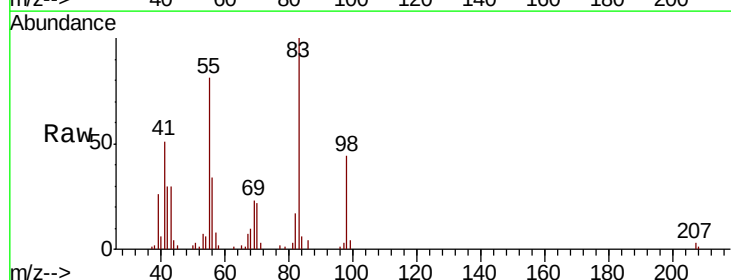
Instrument :
MSVOA_N
ClientSampled :

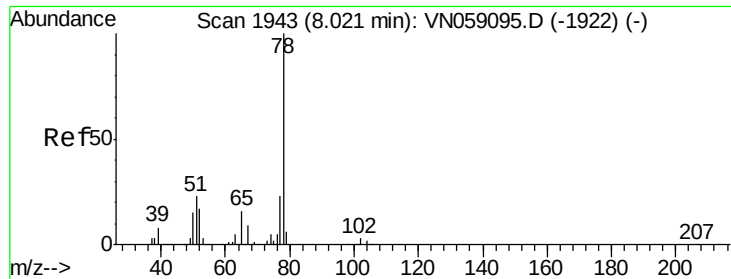
Tot Ion:117 Resp: 50013
Ion Ratio Lower Upper
117 100
119 4.1 75.6 113.4#
121 0.0 24.6 36.8#



#39
Methylcyclohexane
Concen: 4.716 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

Tgt Ion: 83 Resp: 41549
Ion Ratio Lower Upper
83 100
55 76.0 63.9 95.9
98 44.4 35.6 53.4

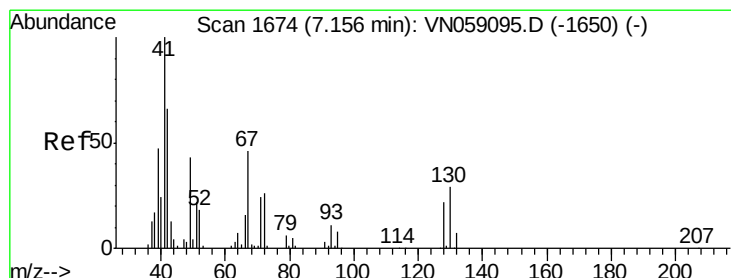
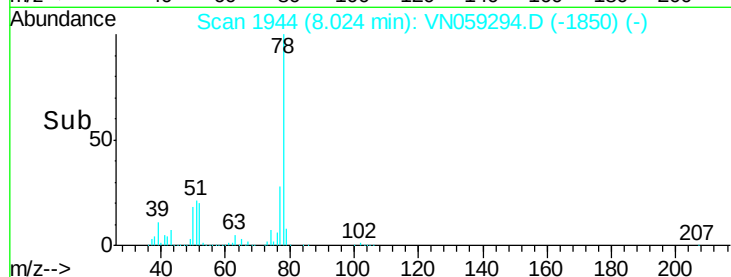
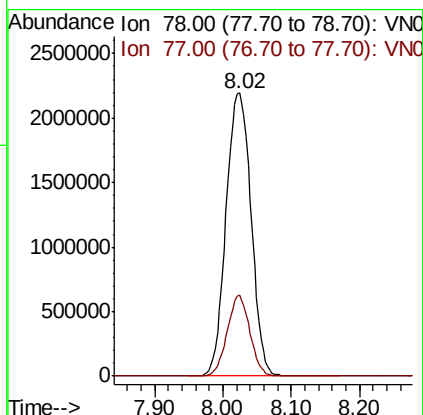
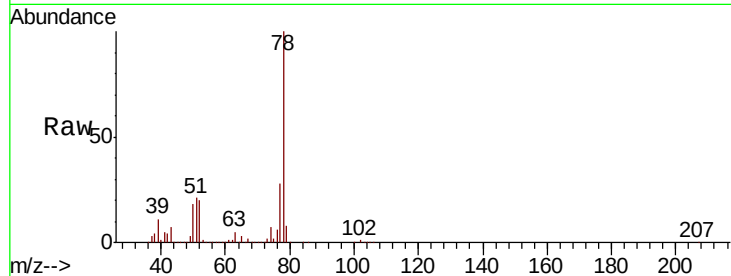




#40
Benzene
Concen: 244.576 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

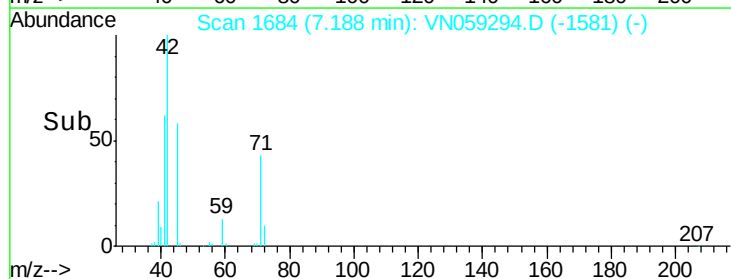
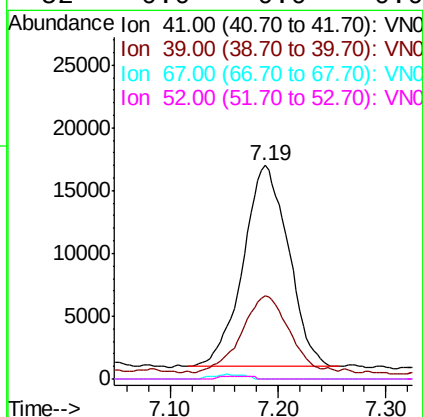
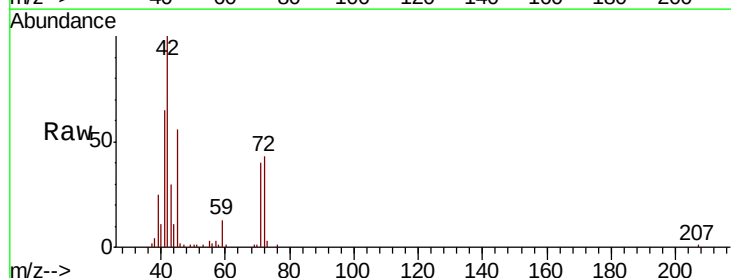
Instrument :
MSVOA_N
ClientSampleId :

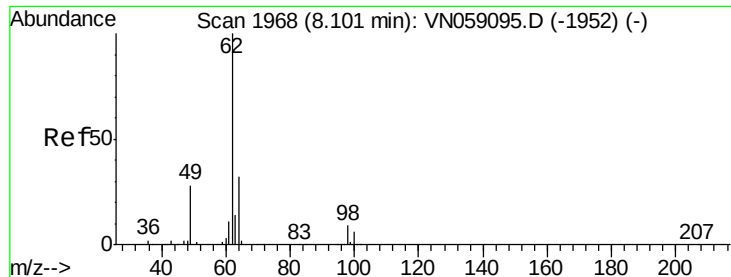
Tot Ion: 78 Resp: 5590981
Ion Ratio Lower Upper
78 100
77 28.4 18.8 28.2#



#41
Methacrylonitrile
Concen: 12.743 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

Tgt Ion: 41 Resp: 46794
Ion Ratio Lower Upper
41 100
39 39.1 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

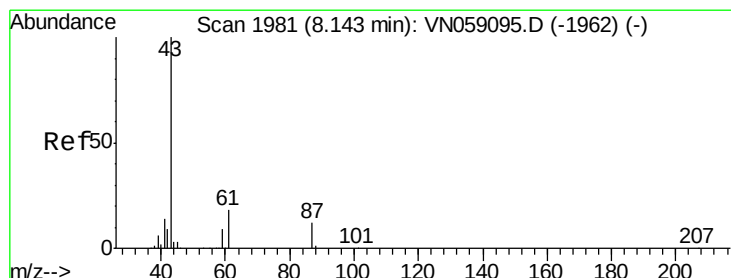
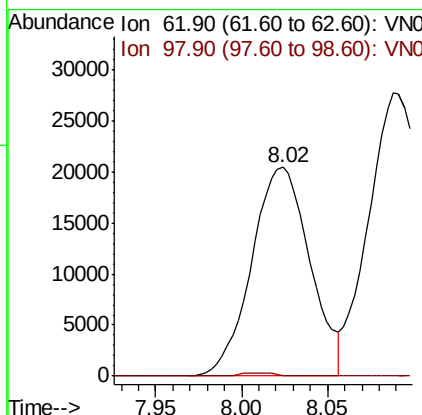
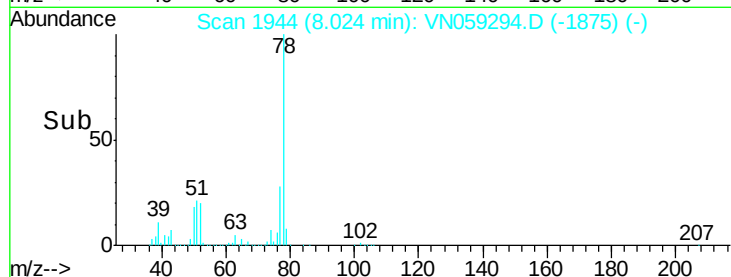
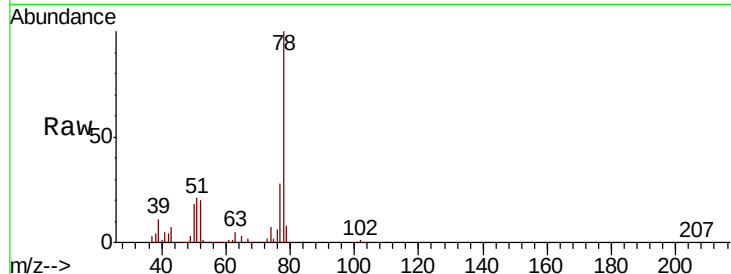




#42
 1,2-Dichloroethane
 Concen: 6.135 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.08 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

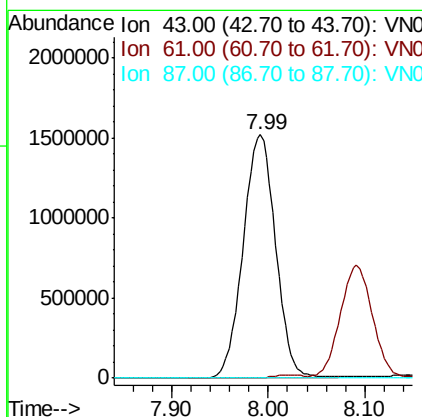
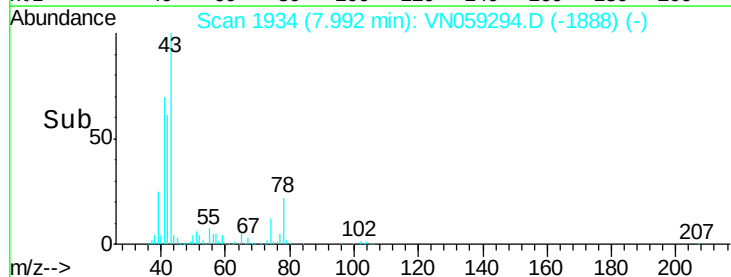
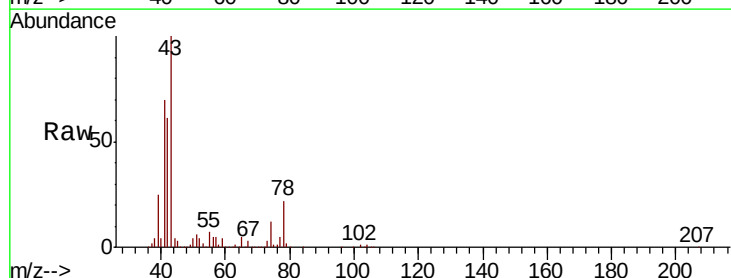
Instrument :
 MSVOA_N
 ClientSampleId :

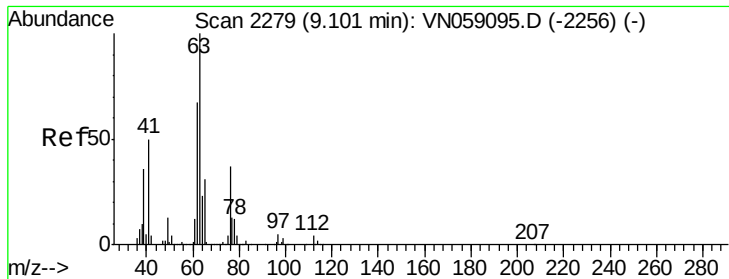
Tot Ion: 62 Resp: 48103
 Ion Ratio Lower Upper
 62 100
 98 0.8 0.0 17.8



#43
 Isopropyl Acetate
 Concen: 263.216 ug/l
 RT: 7.99 min Scan# 1934
 Delta R.T. -0.15 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

Tgt Ion: 43 Resp: 3543812
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.0 31.6#
 87 0.0 9.8 14.6#

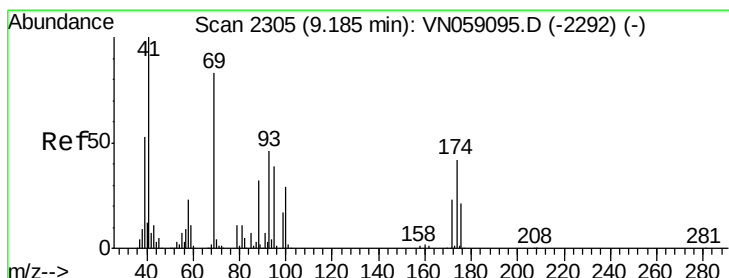
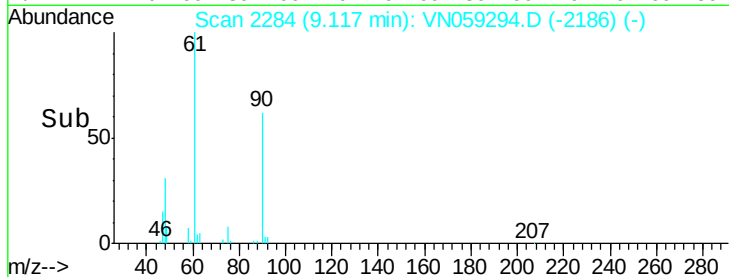
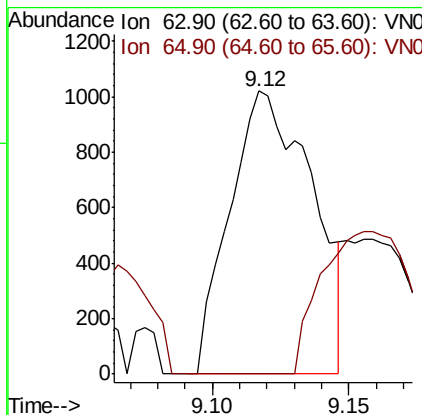
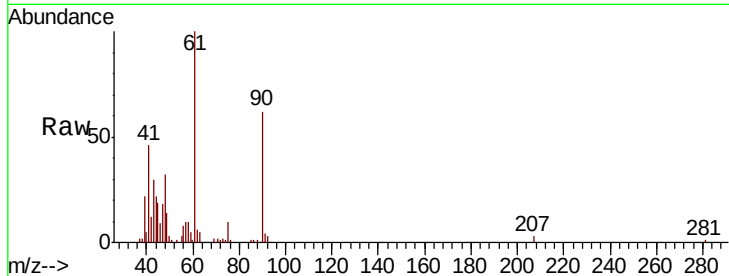




#45
 1,2-Dichloropropane
 Concen: 0.345 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.02 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

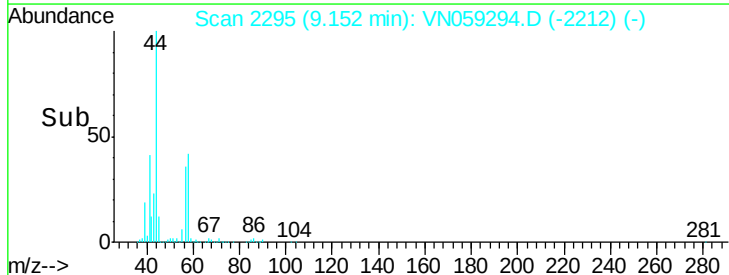
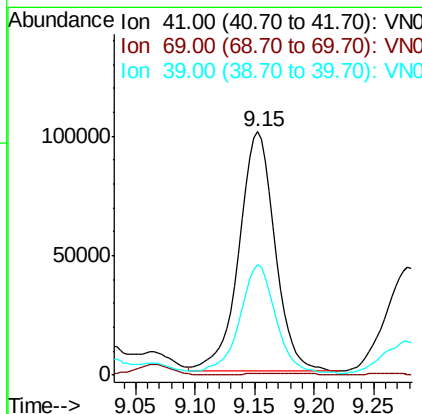
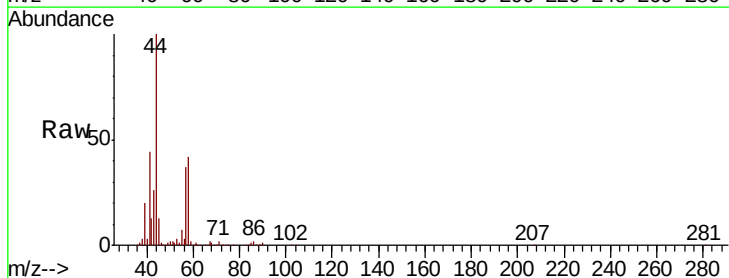
Instrument :
 MSVOA_N
 ClientSampled :

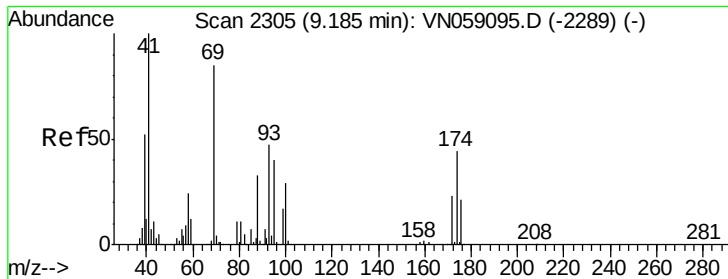
Tot Ion: 63 Resp: 2143
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 34.754 ug/l
 RT: 9.15 min Scan# 2295
 Delta R.T. -0.03 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

Tgt Ion: 41 Resp: 209292
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.3 100.9#
 39 45.3 43.3 64.9

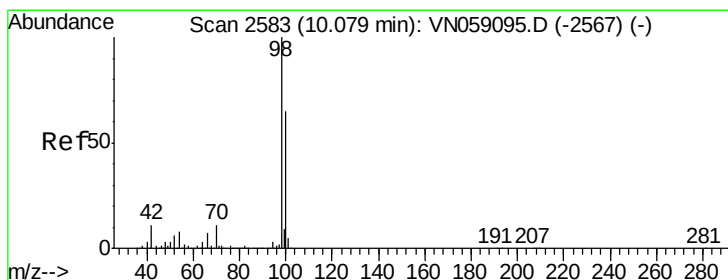
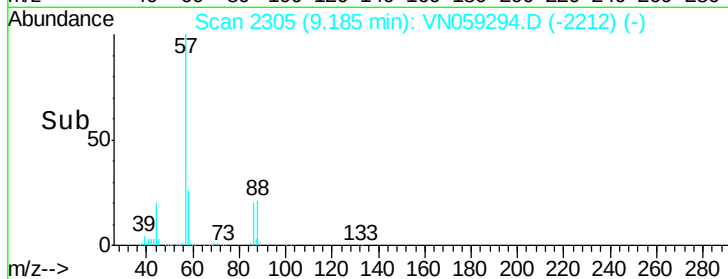
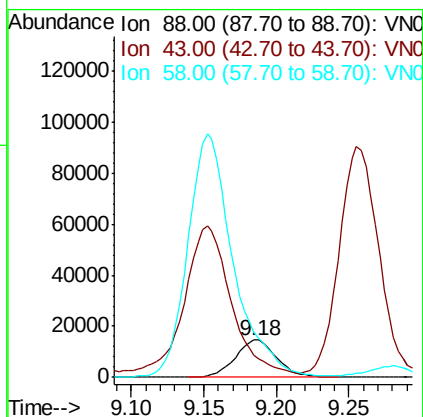
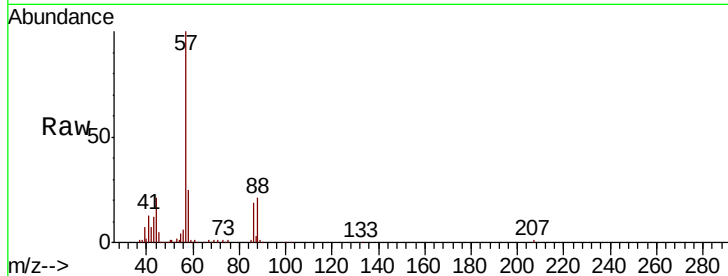




#49
1,4-Dioxane
Concen: 272.848 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

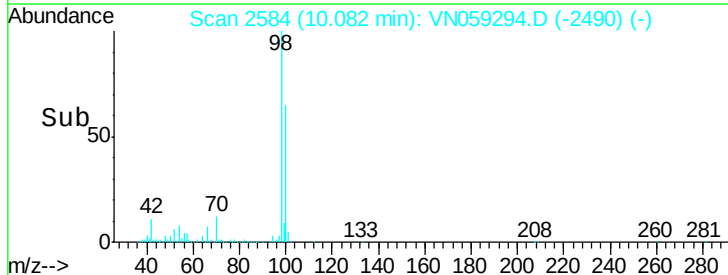
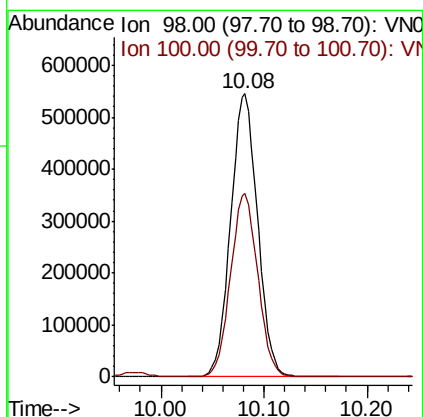
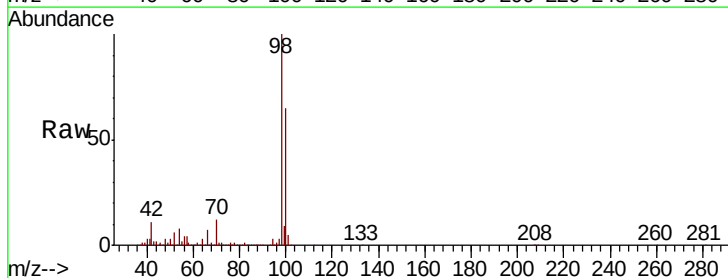
Instrument :
MSVOA_N
ClientSampleId :

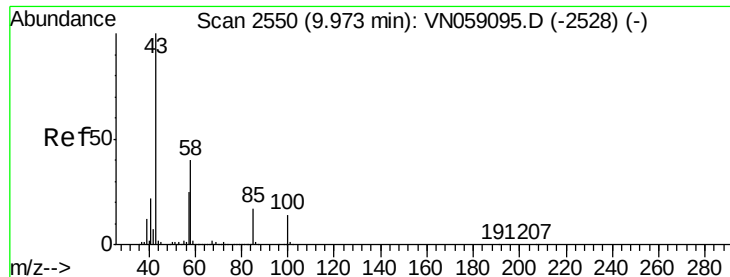
Tot Ion: 88 Resp: 29201
Ion Ratio Lower Upper
88 100
43 0.0 26.3 39.5#
58 0.0 60.6 90.8#



#50
Toluene-d8
Concen: 51.947 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

Tgt Ion: 98 Resp: 992238
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 14.124 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

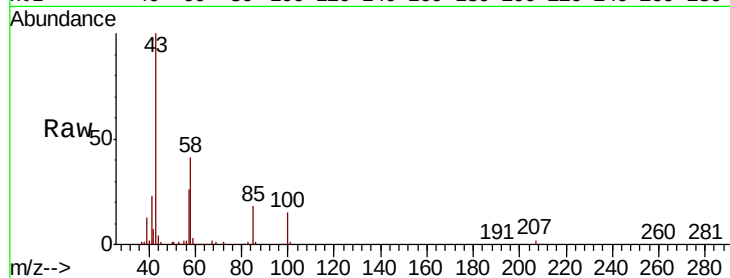
ClientSampleId :

Tot Ion: 43 Resp: 107600

Ion Ratio Lower Upper

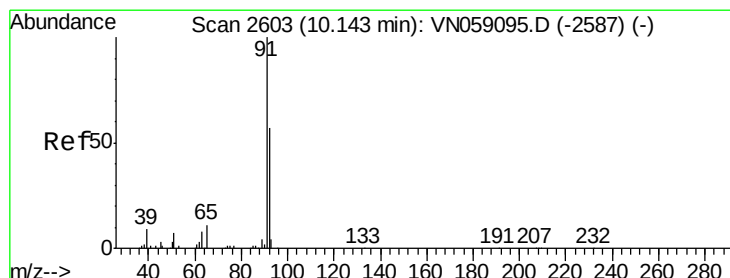
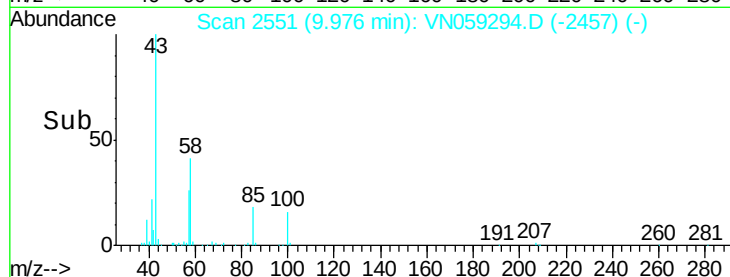
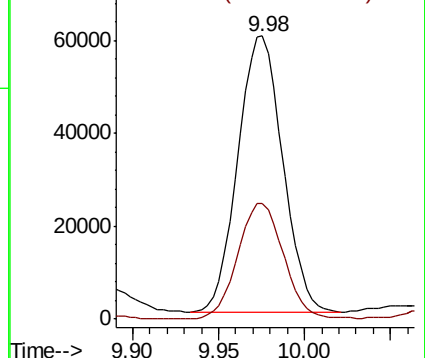
43 100

58 43.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 285.214 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059294.D

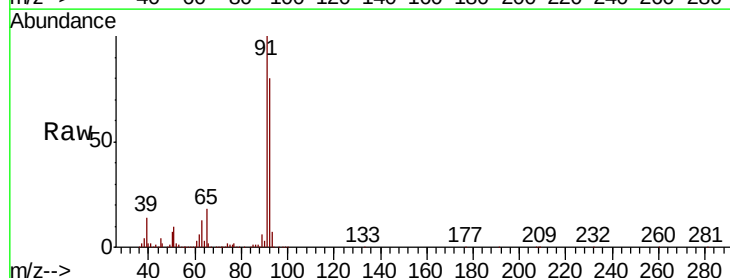
Acq: 18 Nov 2019 19:02

Tgt Ion: 92 Resp: 3907873

Ion Ratio Lower Upper

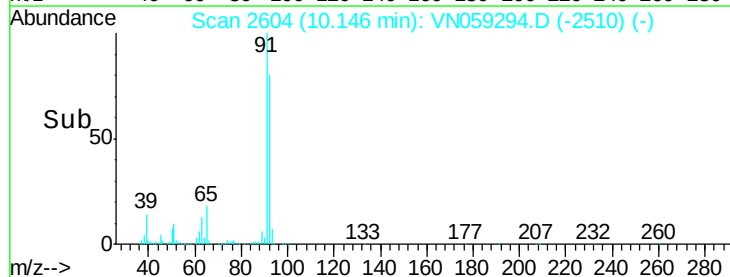
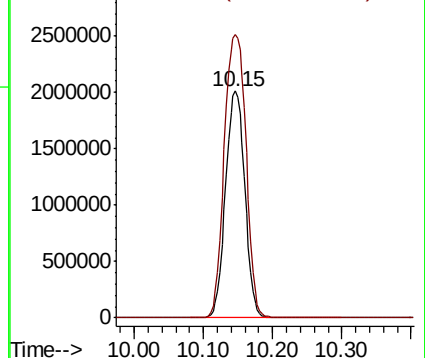
92 100

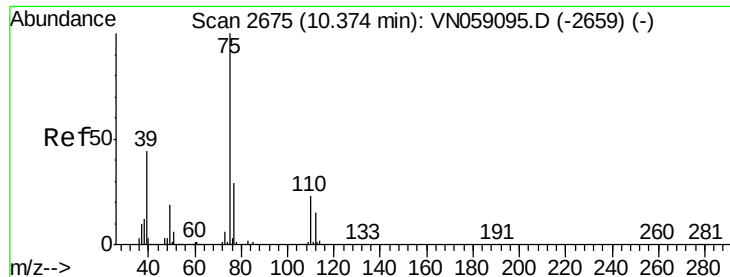
91 141.1 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 0.458 ug/l

RT: 10.45 min Scan# 2699

Delta R.T. 0.08 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

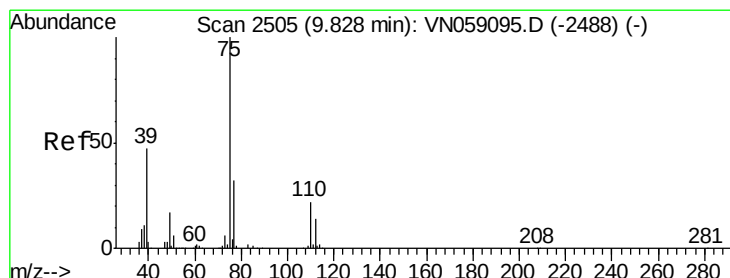
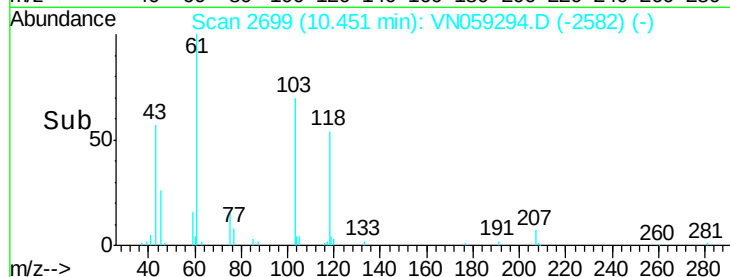
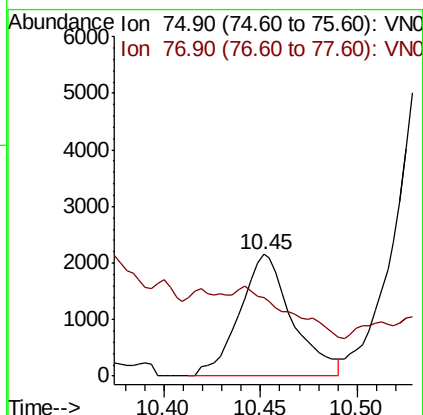
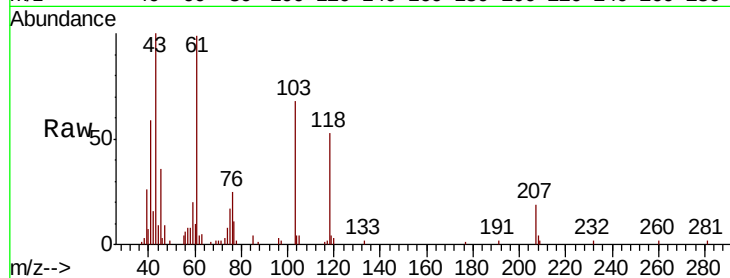
ClientSampled :

Tot Ion: 75 Resp: 4092

Ion Ratio Lower Upper

75 100

77 32.7 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 0.223 ug/l

RT: 9.80 min Scan# 2496

Delta R.T. -0.03 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

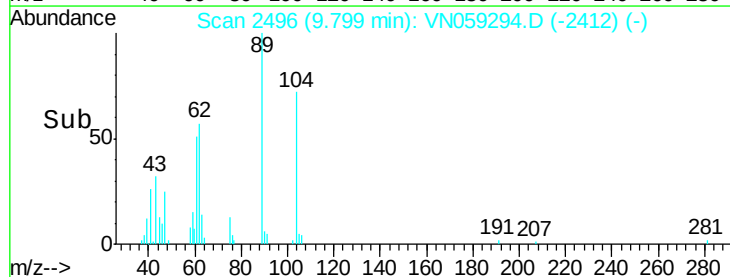
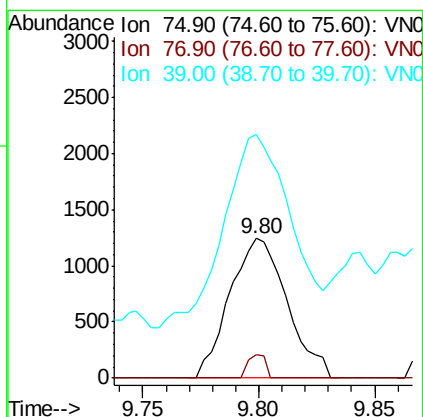
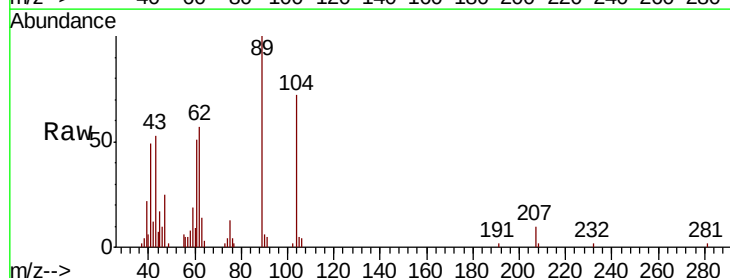
Tgt Ion: 75 Resp: 2138

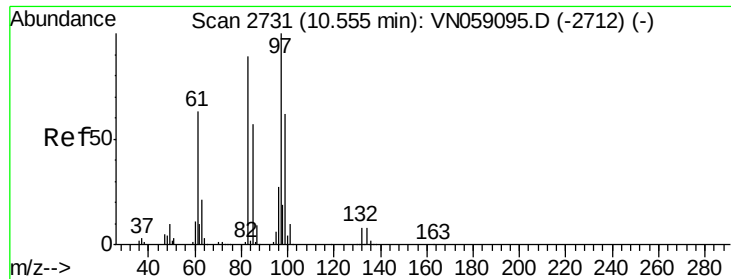
Ion Ratio Lower Upper

75 100

77 17.0 25.5 38.3#

39 127.1 37.3 55.9#

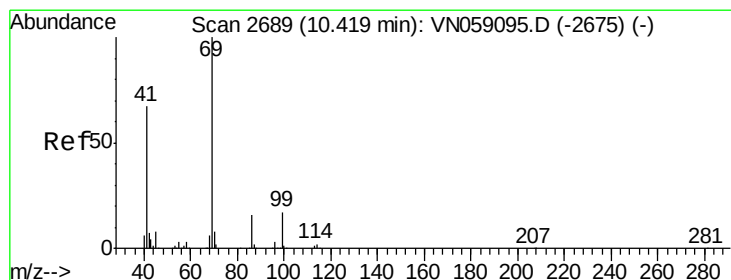
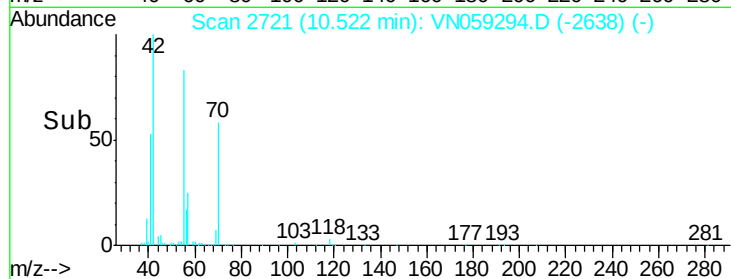
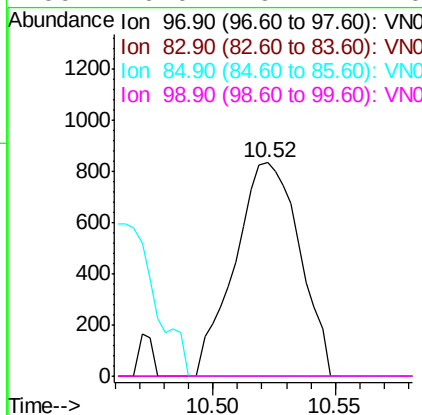
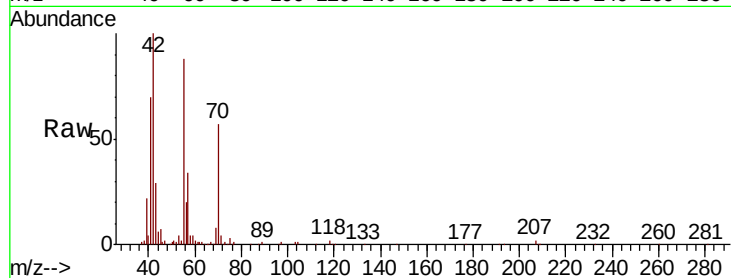




#55
 1,1,2-Trichloroethane
 Concen: 0.277 ug/l
 RT: 10.52 min Scan# 2721
 Delta R.T. -0.03 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

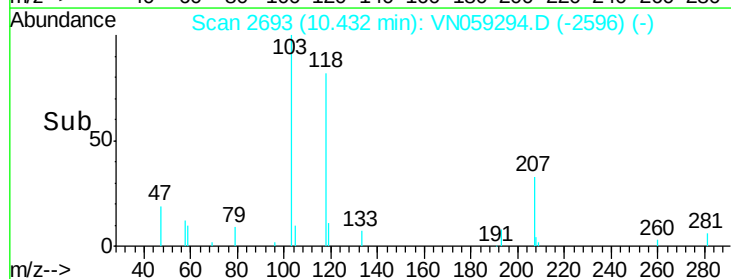
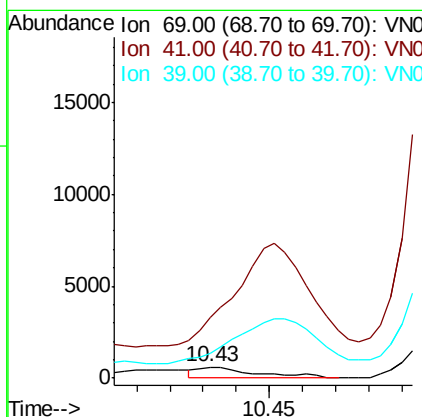
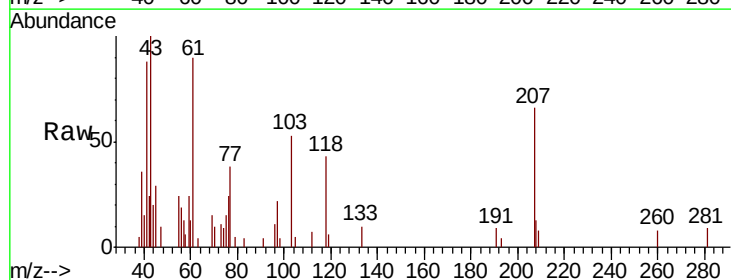
Instrument :
 MSVOA_N
 ClientSampleId :

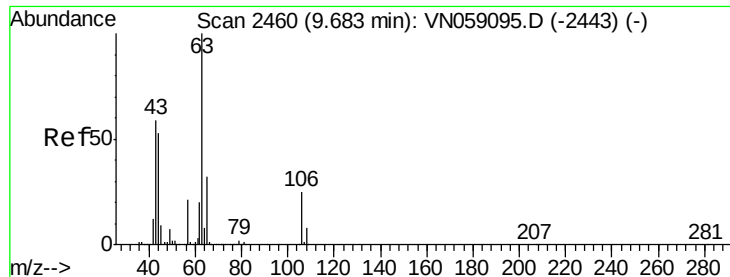
Tot Ion: 97 Resp: 1536
 Ion Ratio Lower Upper
 97 100
 83 0.0 71.0 106.4#
 85 0.0 45.8 68.8#
 99 0.0 49.4 74.0#



#56
 Ethyl methacrylate
 Concen: 1.949 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.01 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

Tgt Ion: 69 Resp: 732
 Ion Ratio Lower Upper
 69 100
 41 1207.5 53.6 80.4#
 39 0.0 26.2 39.4#

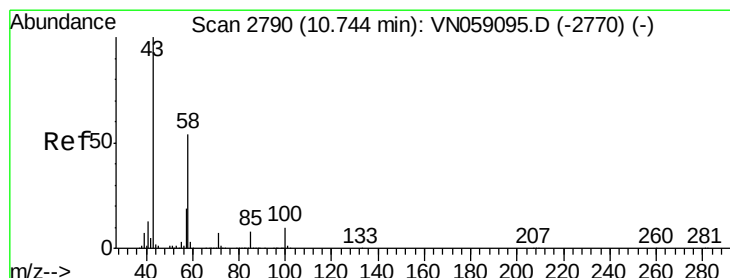
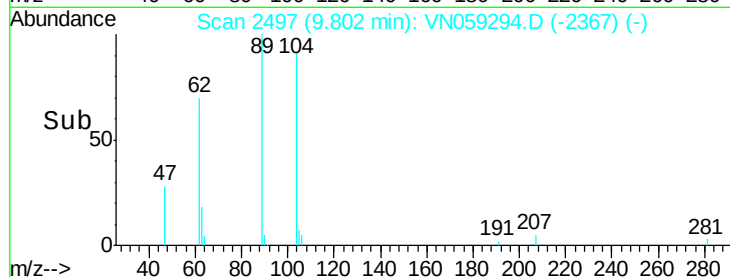
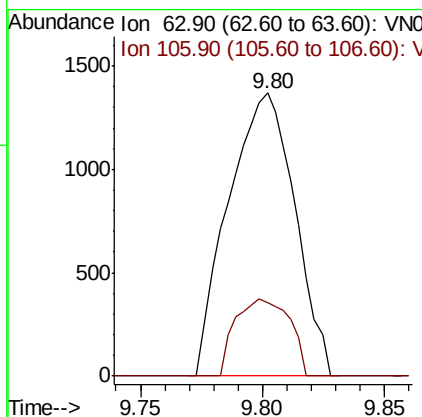
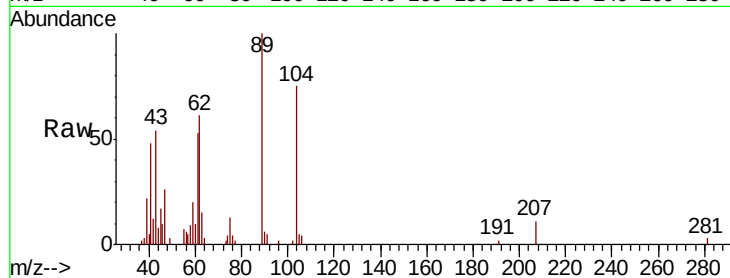




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.836 ug/l
 RT: 9.80 min Scan# 2497
 Delta R.T. 0.12 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

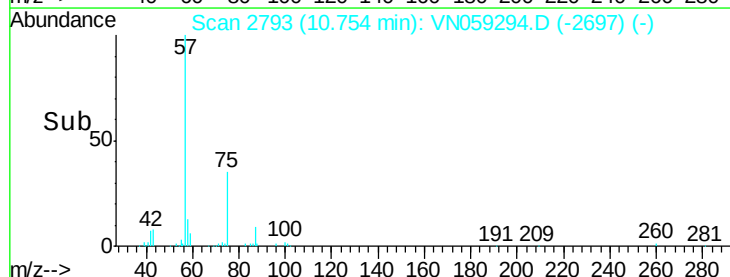
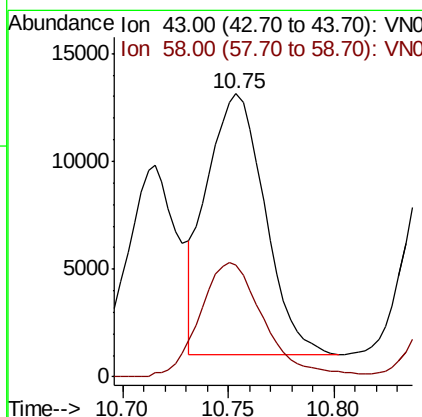
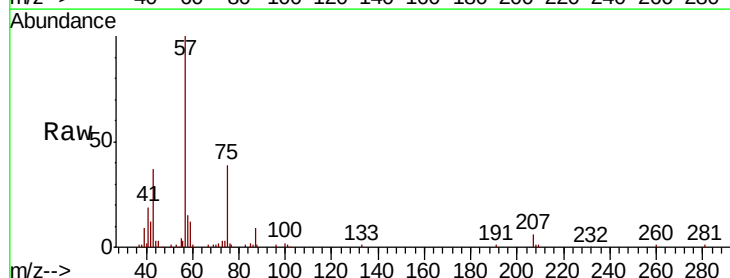
Instrument :
 MSVOA_N
 ClientSampled :

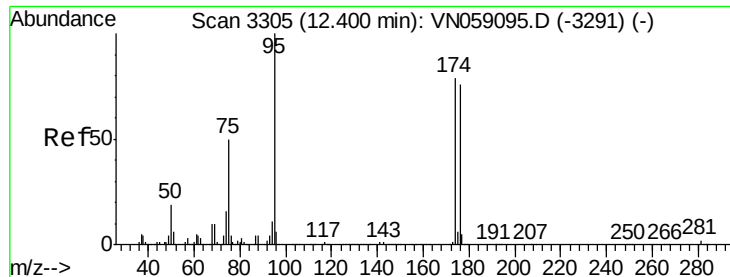
Tot Ion: 63 Resp: 2580
 Ion Ratio Lower Upper
 63 100
 106 22.3 20.2 30.2



#59
 2-Hexanone
 Concen: 3.959 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

Tgt Ion: 43 Resp: 23151
 Ion Ratio Lower Upper
 43 100
 58 48.3 27.3 81.8

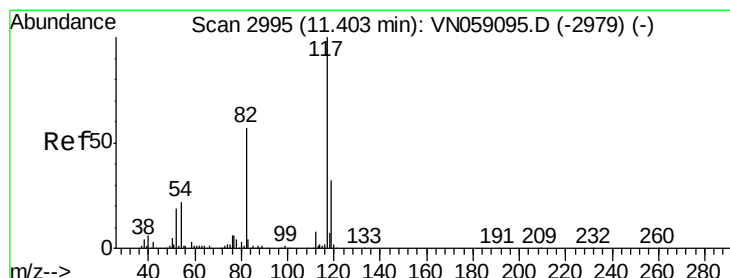
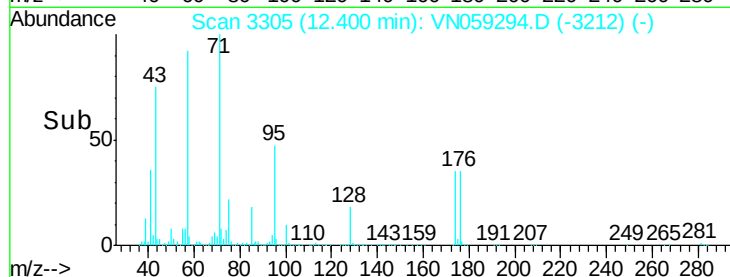
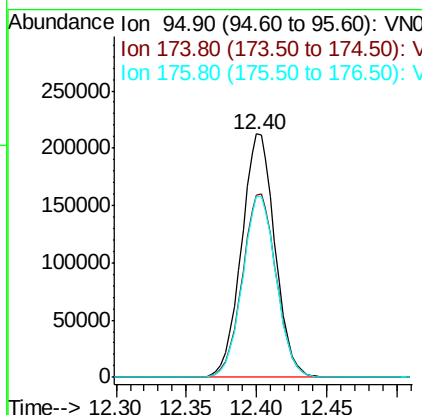
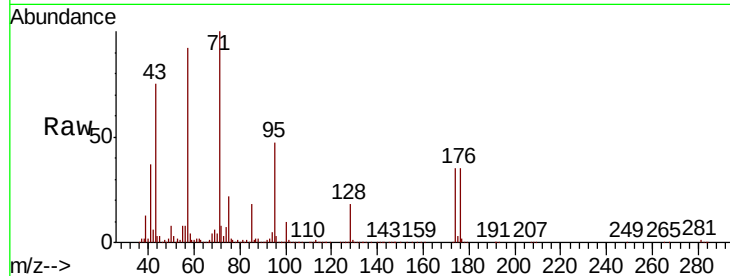




#62
4-Bromofluorobenzene
Concen: 51.253 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

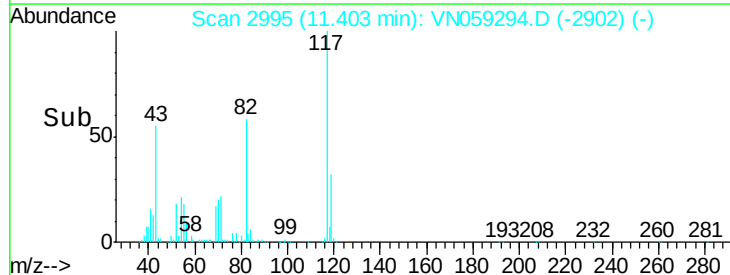
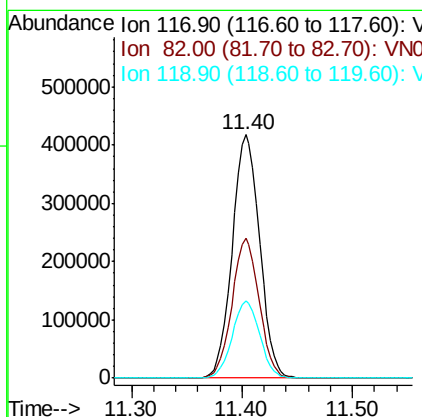
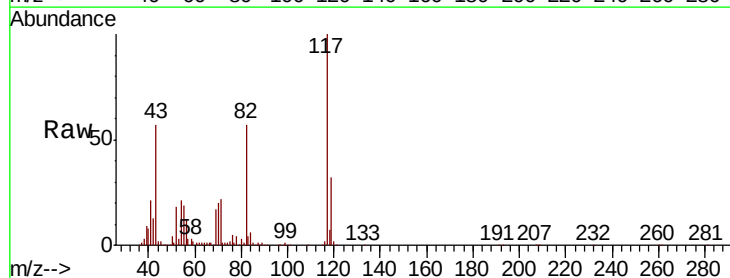
Instrument :
MSVOA_N
ClientSampled :

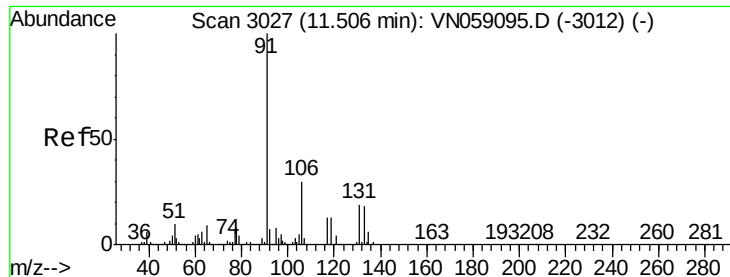
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	158.2
176	75.0	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059294.D
Acq: 18 Nov 2019 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.8	68.8
119	31.8	25.8	38.6





#67

Ethyl Benzene

Concen: 30.271 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

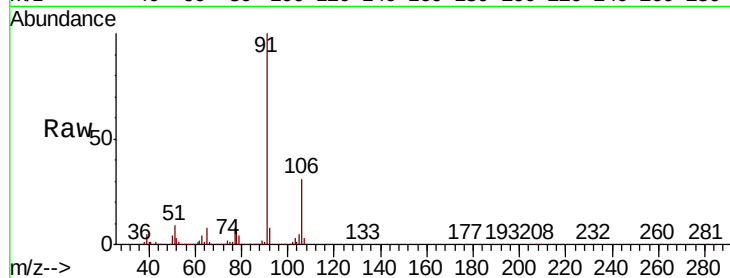
ClientSampleId :

Tot Ion: 91 Resp: 754235

Ion Ratio Lower Upper

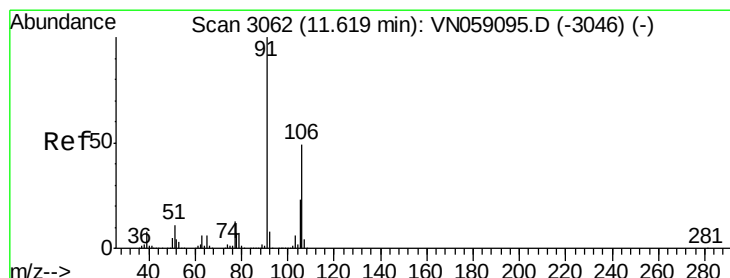
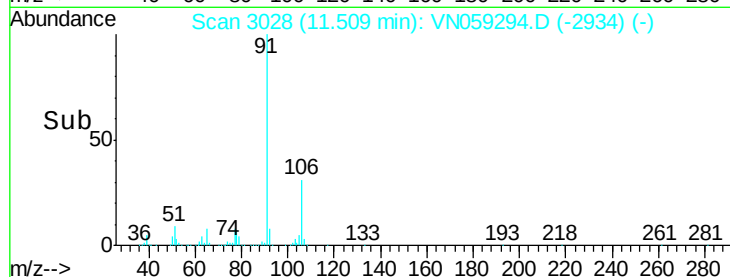
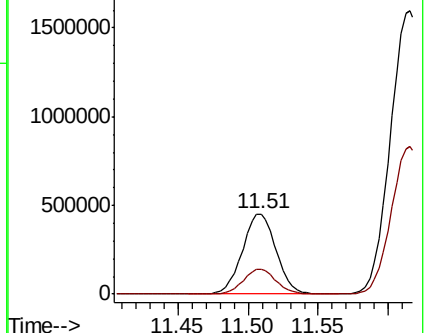
91 100

106 30.9 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059095.D (-3012) (-)



#68

m/p-Xylenes

Concen: 166.404 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059294.D

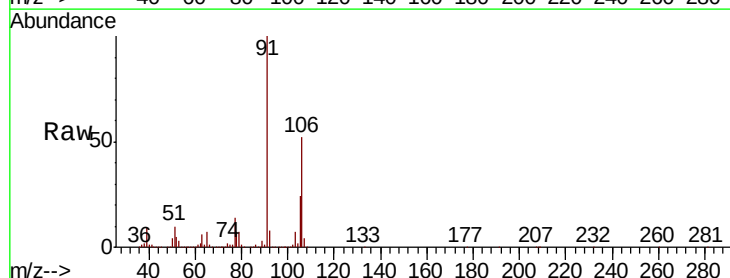
Acq: 18 Nov 2019 19:02

Tgt Ion: 106 Resp: 1553078

Ion Ratio Lower Upper

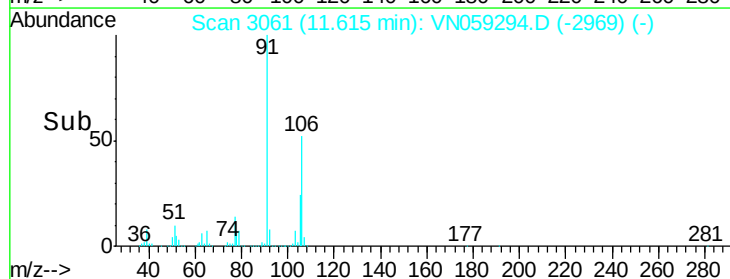
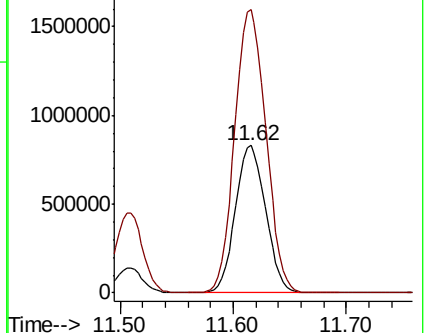
106 100

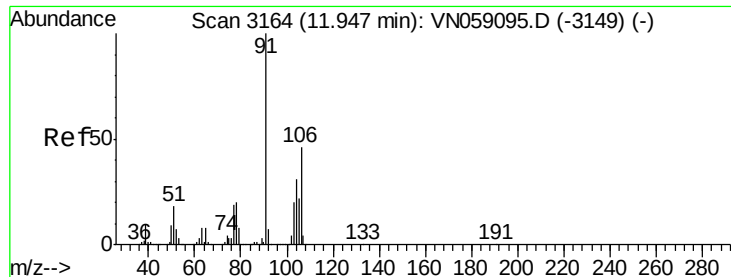
91 198.0 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059095.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-3046) (-)





#69

o-Xylene

Concen: 75.631 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

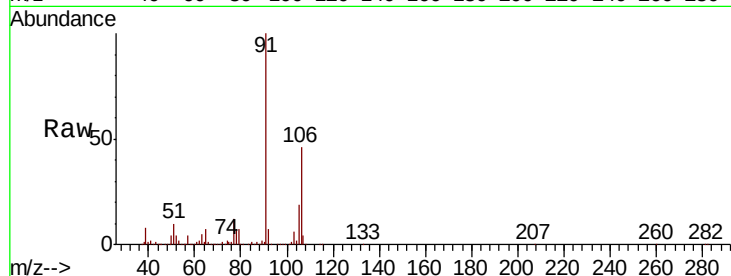
ClientSampled :

Tot Ion:106 Resp: 682156

Ion Ratio Lower Upper

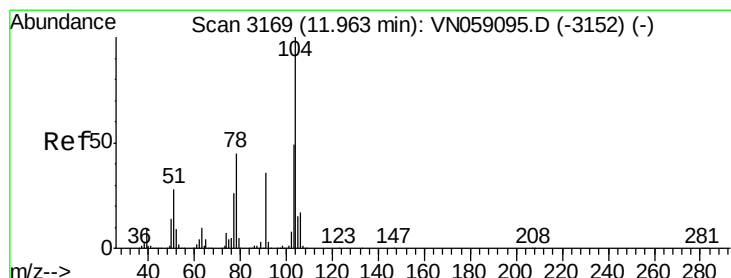
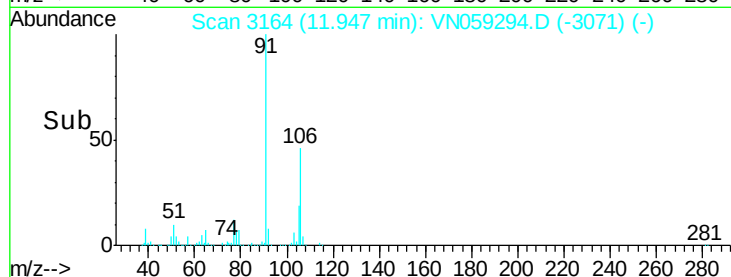
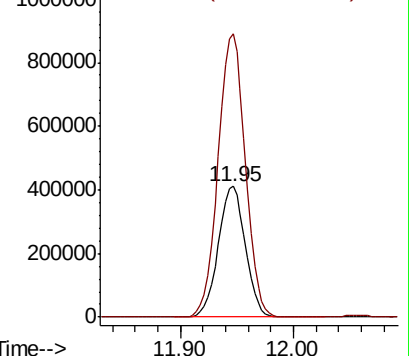
106 100

91 217.7 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 2.372 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.02 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

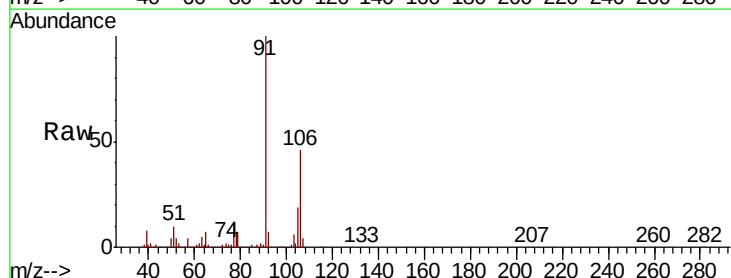
Tgt Ion:104 Resp: 33642

Ion Ratio Lower Upper

104 100

78 285.5 41.2 61.8#

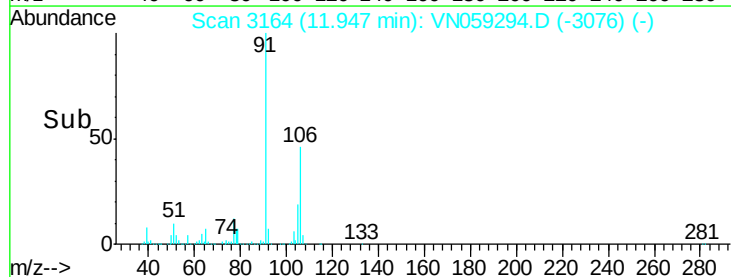
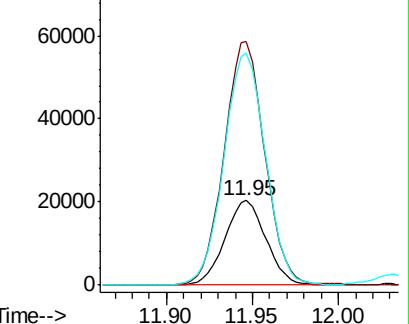
103 278.7 43.8 65.6#

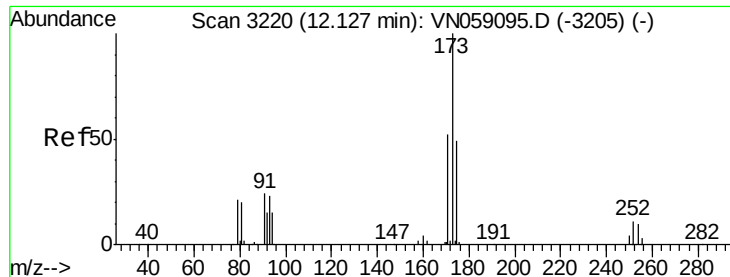


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.288 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

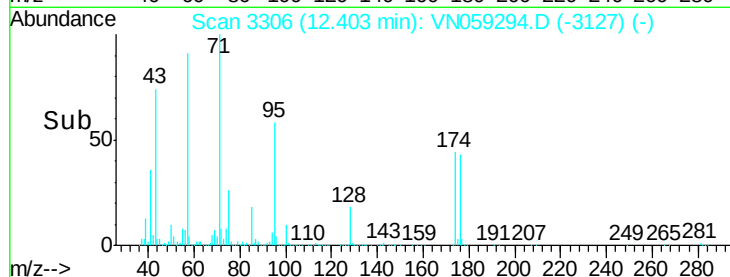
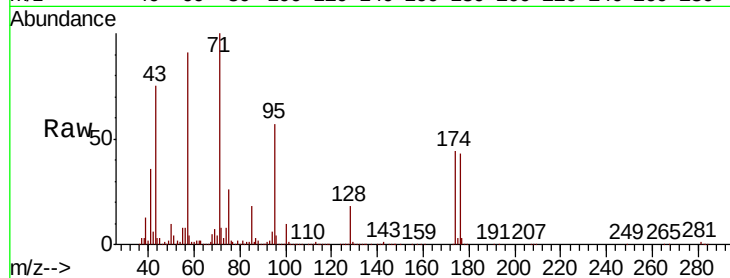
Tot Ion:173 Resp: 1181

Ion Ratio Lower Upper

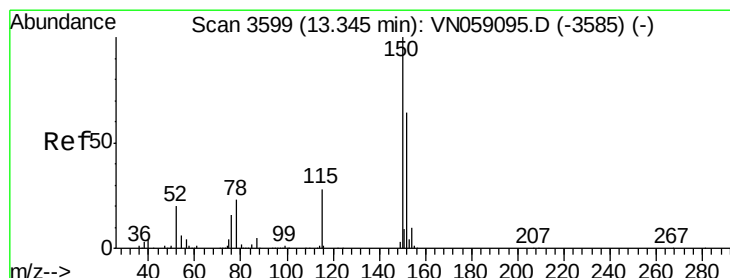
173 100

175 1426.1 24.2 72.6#

254 0.0 0.1 0.1#



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

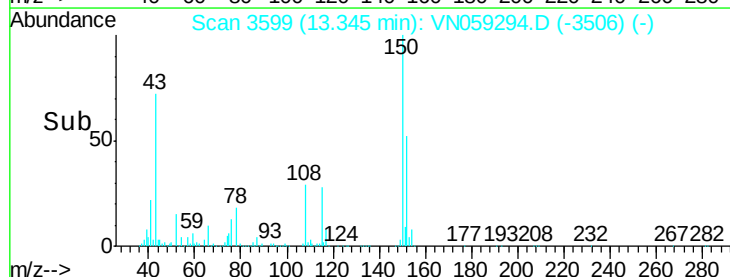
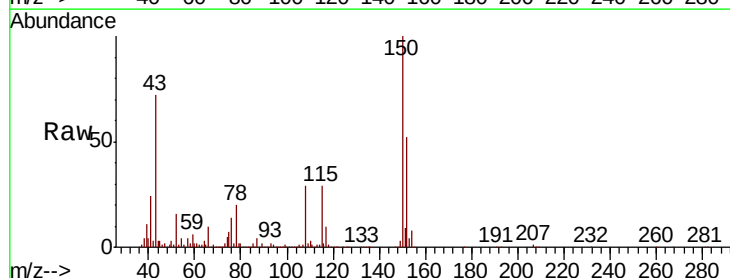
Tgt Ion:152 Resp: 346466

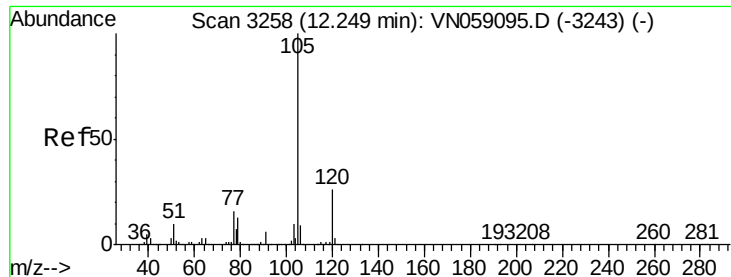
Ion Ratio Lower Upper

152 100

115 55.6 29.4 88.2

150 264.1 0.0 345.8





#73

Isopropylbenzene

Concen: 1.105 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

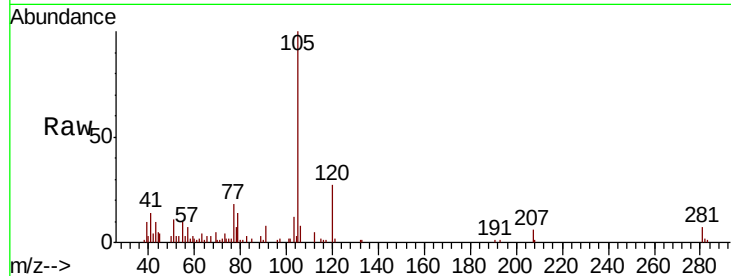
ClientSampled :

Tot Ion:105 Resp: 27857

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

15000

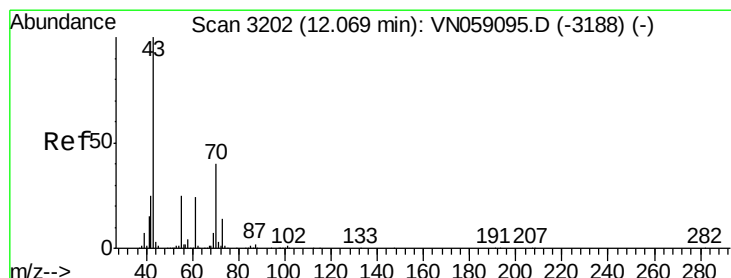
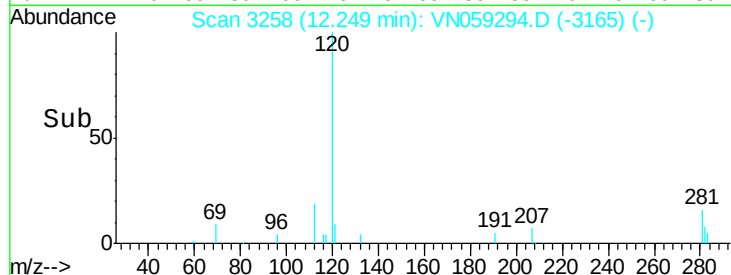
10000

5000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 9.317 ug/l

RT: 11.99 min Scan# 3179

Delta R.T. -0.07 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Tgt Ion: 43 Resp: 99497

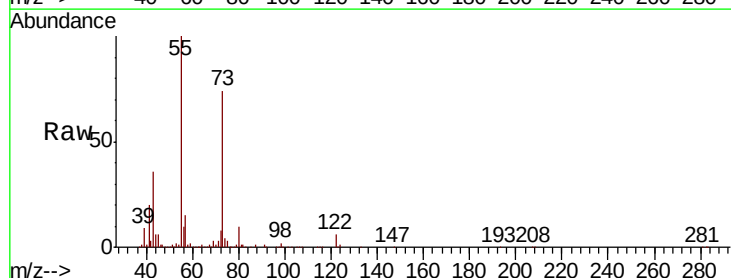
Ion Ratio Lower Upper

43 100

70 4.0 32.2 48.4#

55 289.6 20.4 30.6#

61 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

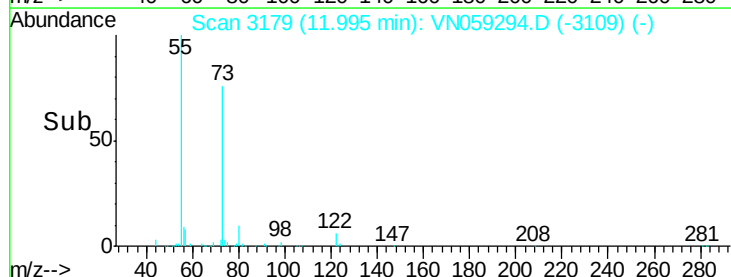
100000

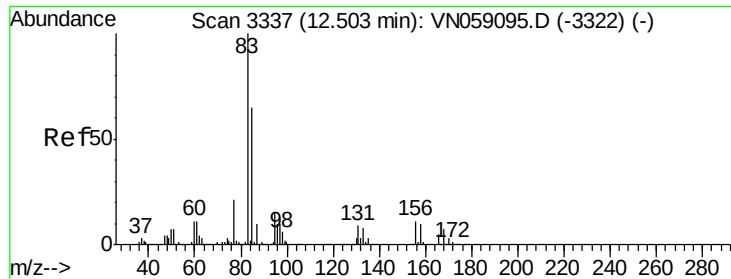
50000

0

Time-->

11.95 12.00





#75

1,1,2,2-Tetrachloroethane

Concen: 2.869 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.04 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

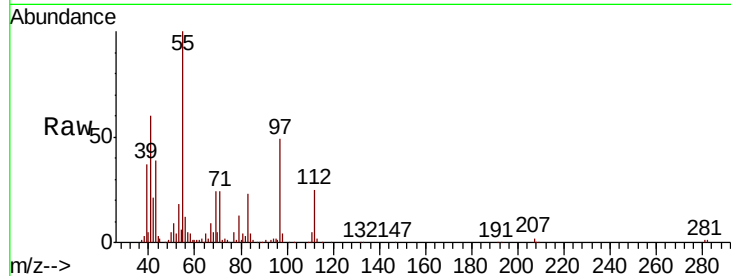
Tot Ion: 83 Resp: 24627

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

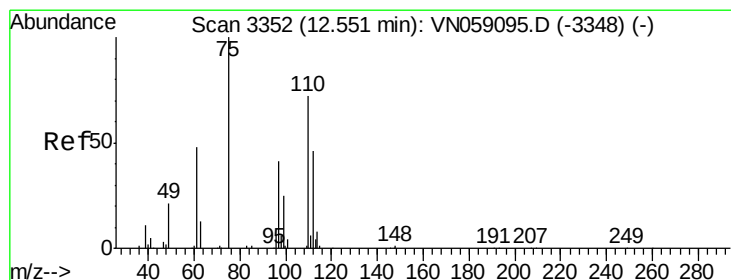
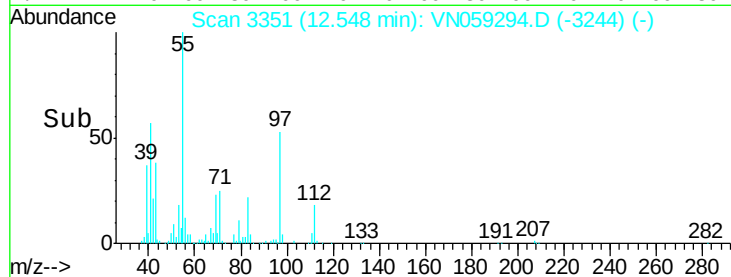
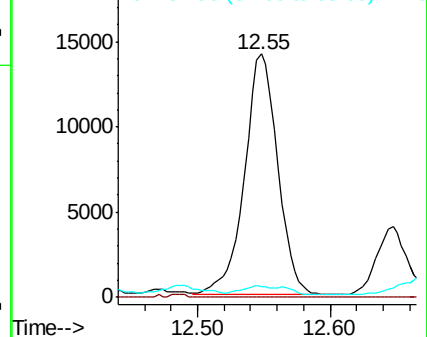
85 0.0 32.4 97.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 21.428 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059294.D

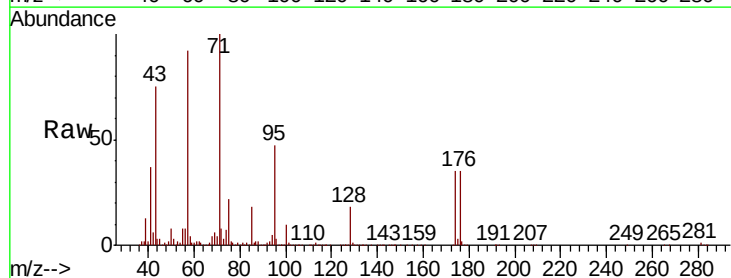
Acq: 18 Nov 2019 19:02

Tgt Ion: 75 Resp: 169022

Ion Ratio Lower Upper

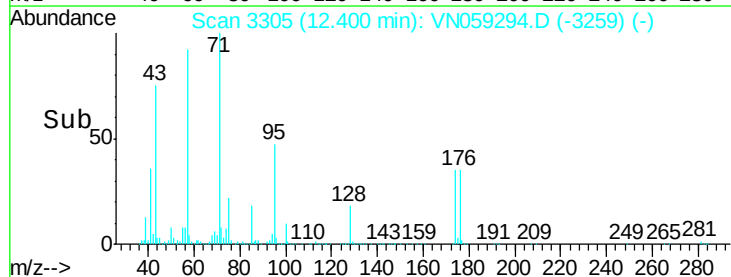
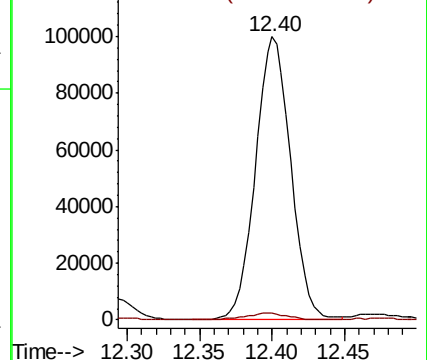
75 100

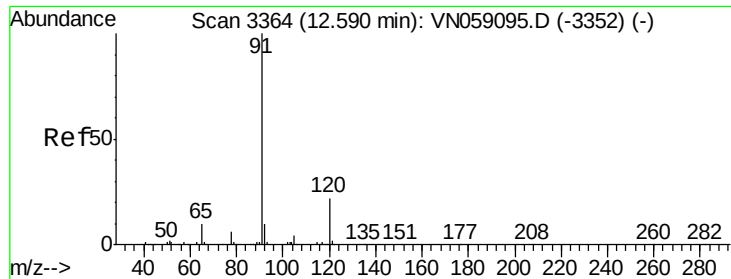
77 2.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.926 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

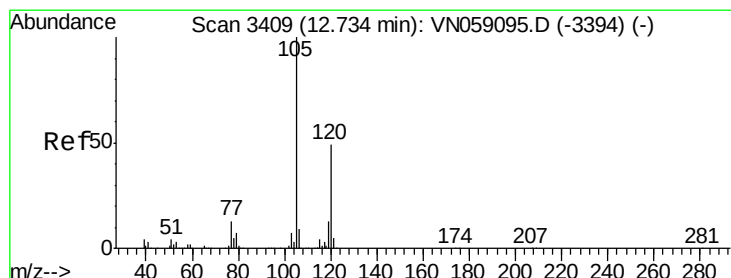
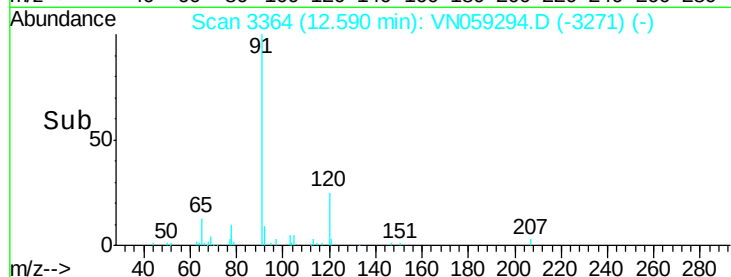
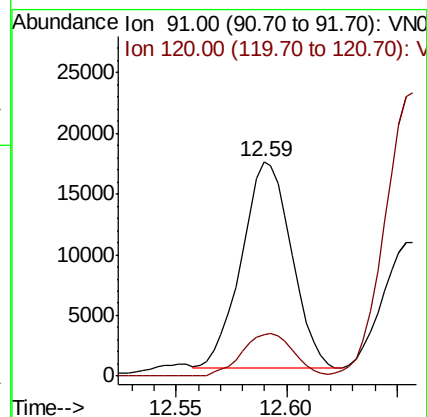
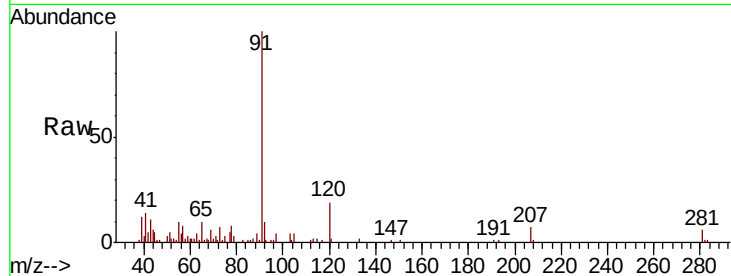
ClientSampled :

Tot Ion: 91 Resp: 26728

Ion Ratio Lower Upper

91 100

120 21.3 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 3.983 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059294.D

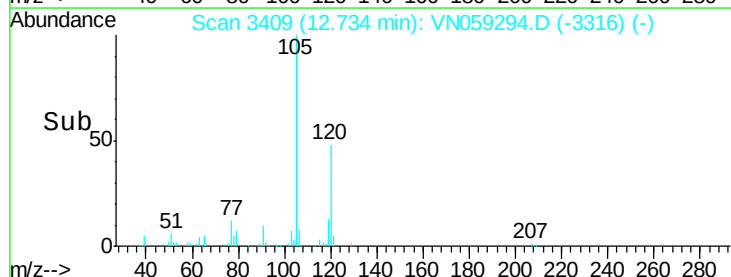
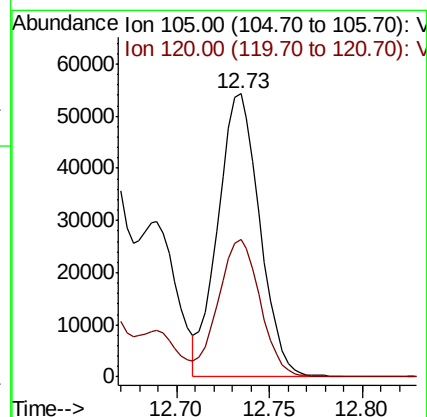
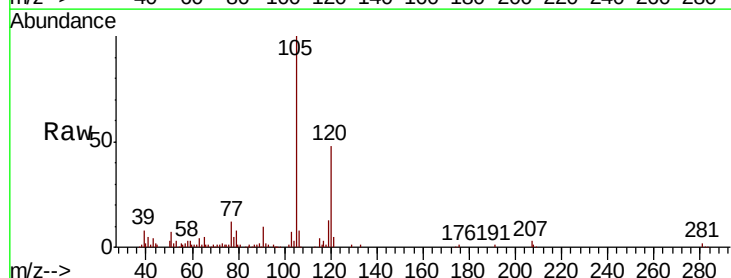
Acq: 18 Nov 2019 19:02

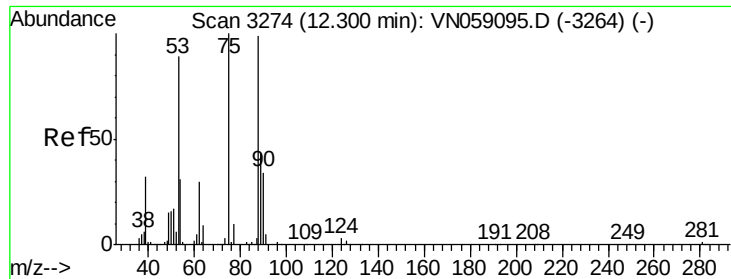
Tgt Ion: 105 Resp: 85056

Ion Ratio Lower Upper

105 100

120 48.4 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.160 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.01 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

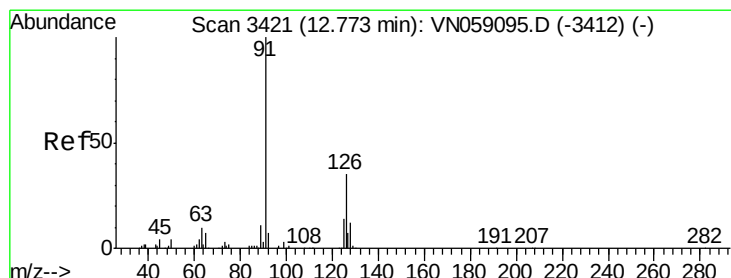
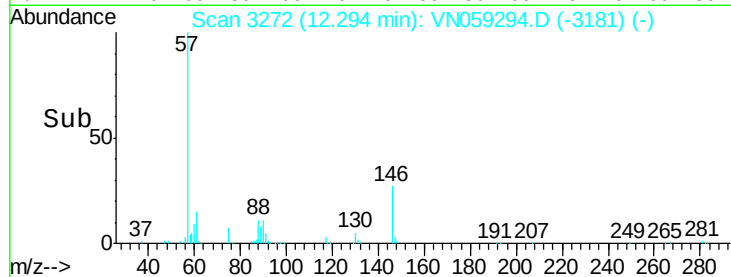
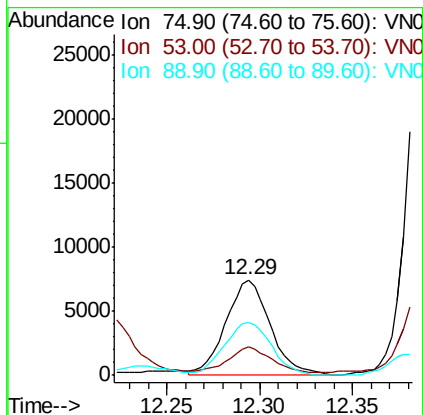
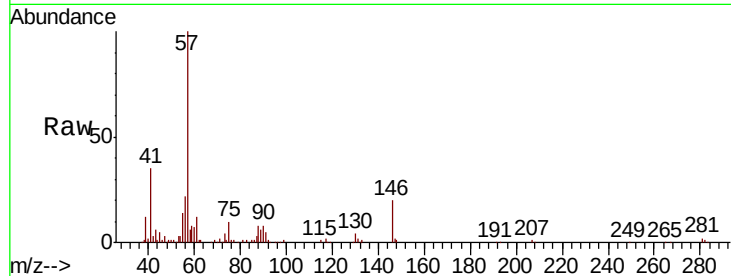
Tot Ion: 75 Resp: 12424

Ion Ratio Lower Upper

75 100

53 25.9 72.2 108.2#

89 58.8 35.8 53.8#



#82

4-Chlorotoluene

Concen: 0.475 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN059294.D

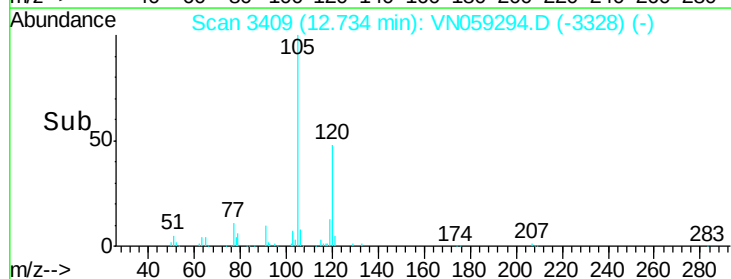
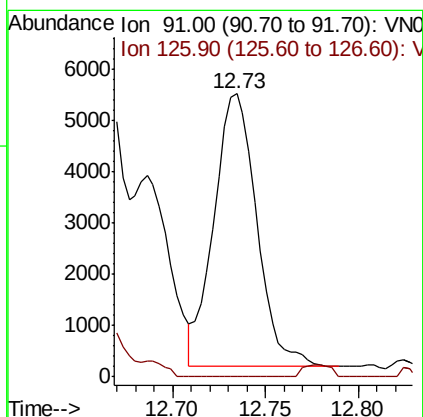
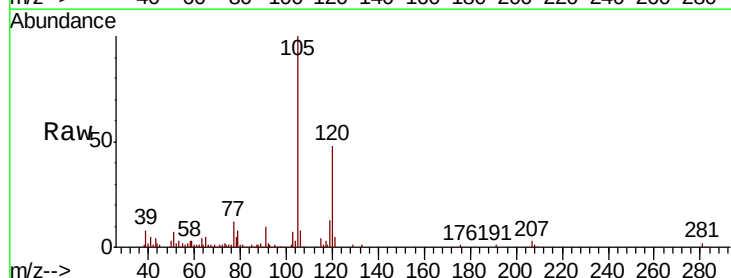
Acq: 18 Nov 2019 19:02

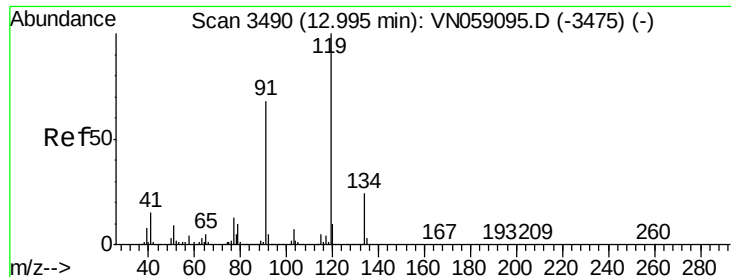
Tgt Ion: 91 Resp: 8532

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.2#

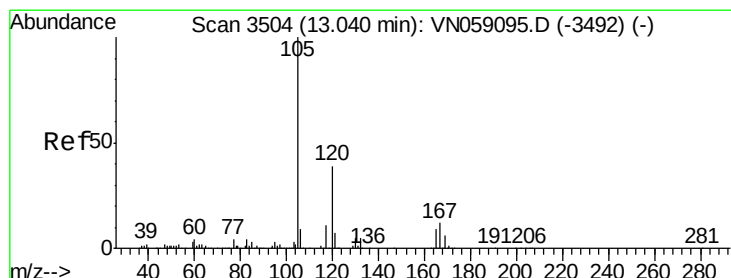
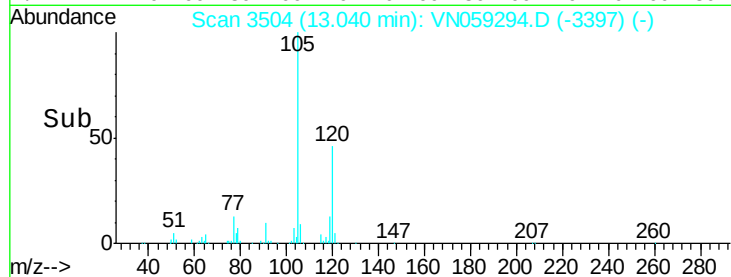
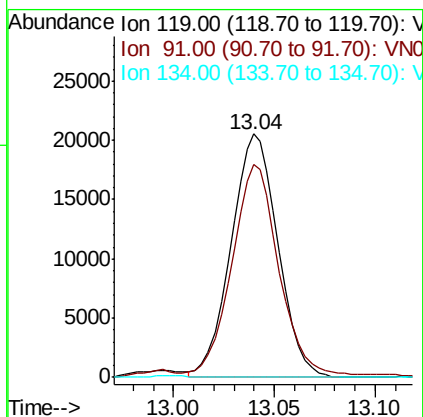
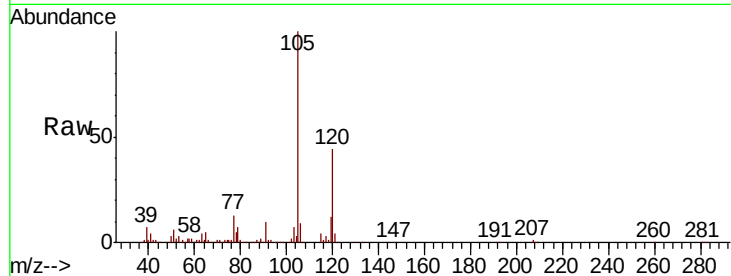




#83
 tert-Butylbenzene
 Concen: 1.804 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.04 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

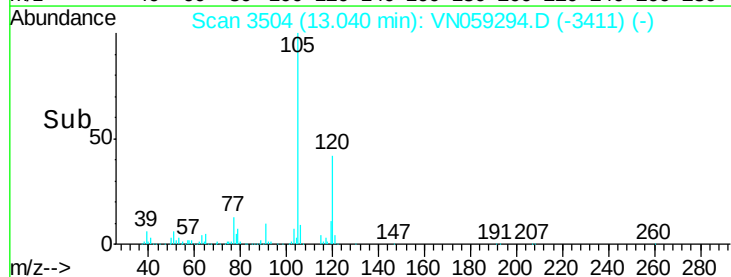
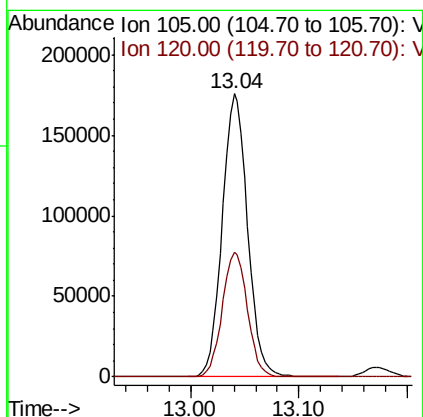
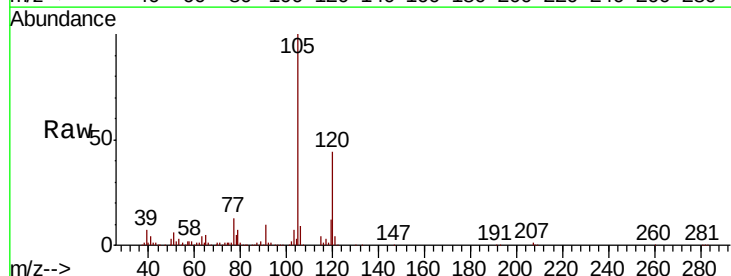
Instrument :
 MSVOA_N
 ClientSampleId :

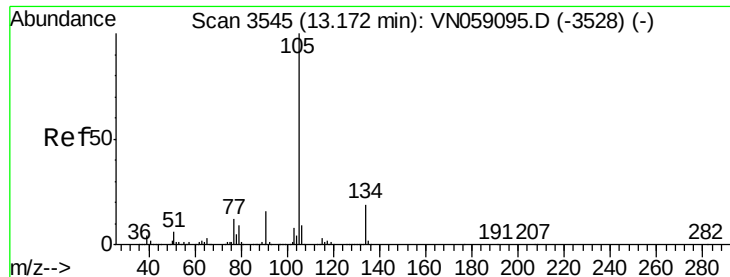
Tot Ion:119 Resp: 33275
 Ion Ratio Lower Upper
 119 100
 91 85.5 33.2 99.6
 134 0.0 12.7 38.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 13.889 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059294.D
 Acq: 18 Nov 2019 19:02

Tgt Ion:105 Resp: 286966
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 0.424 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

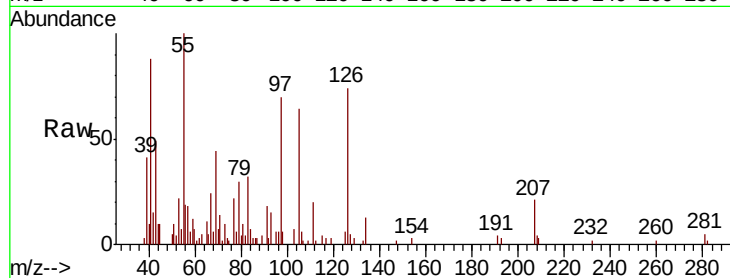
ClientSampleId :

Tot Ion:105 Resp: 10168

Ion Ratio Lower Upper

105 100

134 25.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

6000

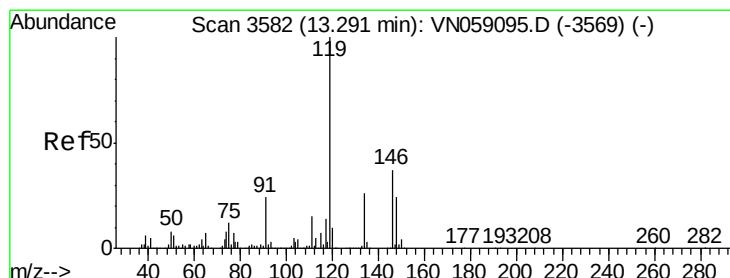
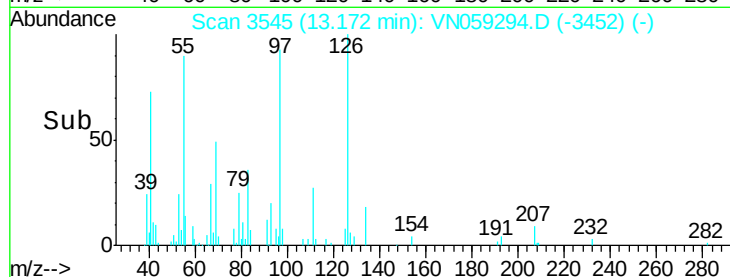
4000

2000

0

13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 1.548 ug/l

RT: 13.51 min Scan# 3651

Delta R.T. 0.22 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

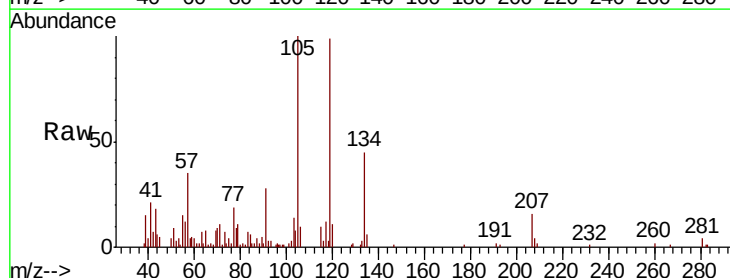
Tgt Ion:119 Resp: 32789

Ion Ratio Lower Upper

119 100

134 38.3 13.0 38.9

91 23.7 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

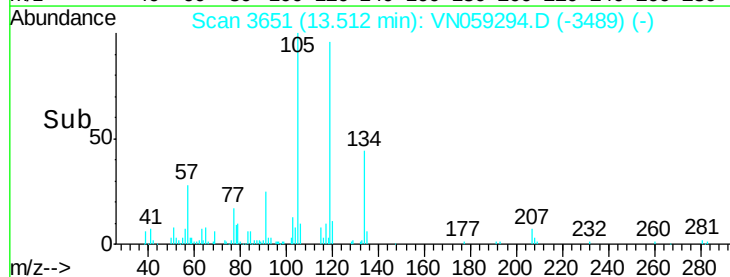
100000

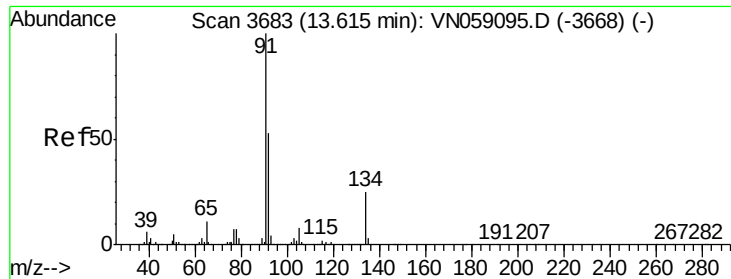
50000

0

13.45 13.50 13.55

Time-->





#89

n-Butylbenzene

Concen: 1.191 ug/l

RT: 13.58 min Scan# 3673

Delta R.T. -0.03 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

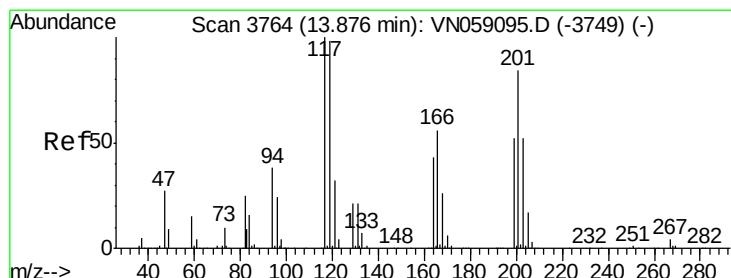
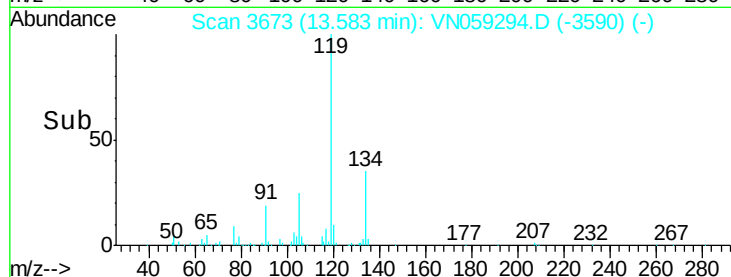
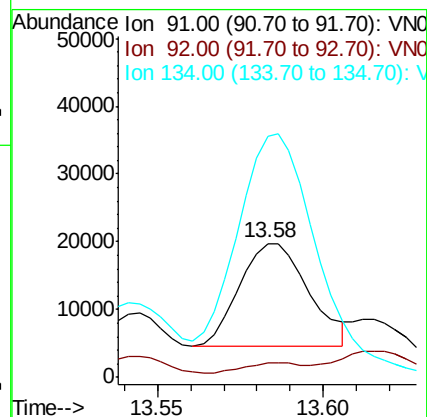
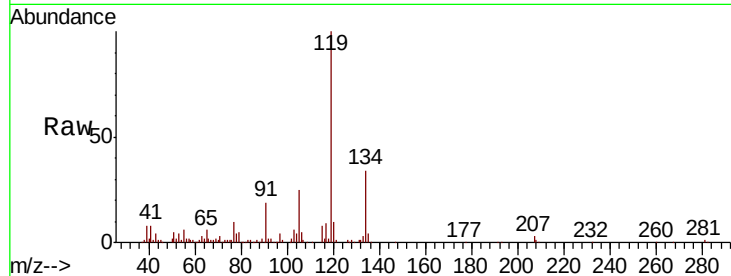
Tot Ion: 91 Resp: 22078

Ion Ratio Lower Upper

91 100

92 8.9 26.1 78.3#

134 279.8 12.6 37.8#



#90

Hexachloroethane

Concen: 11.580 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN059294.D

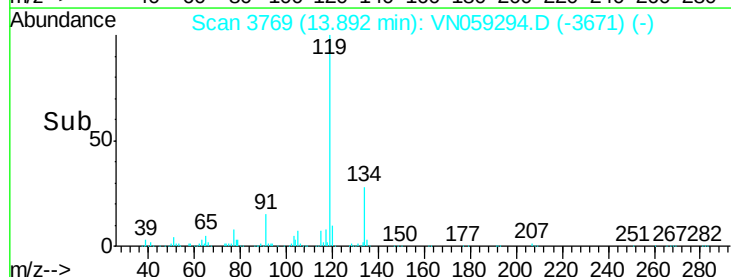
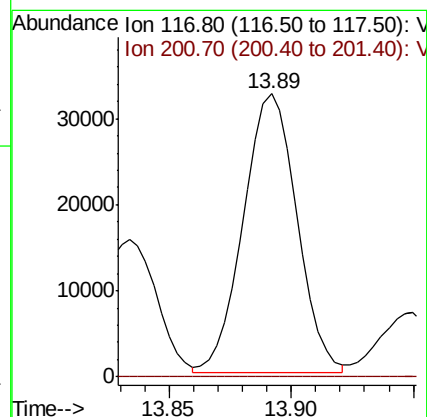
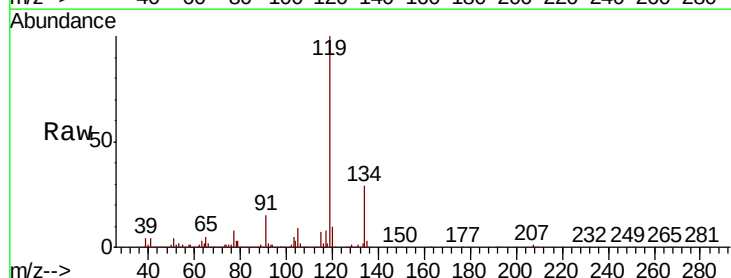
Acq: 18 Nov 2019 19:02

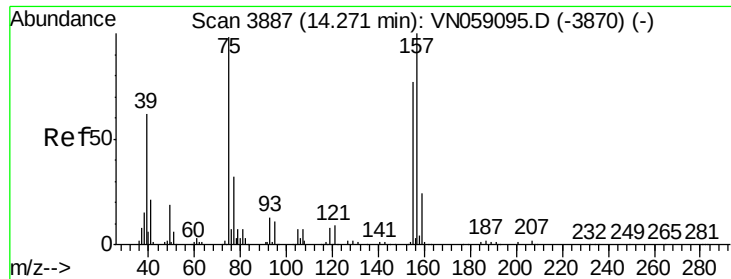
Tgt Ion: 117 Resp: 49245

Ion Ratio Lower Upper

117 100

201 0.0 41.8 125.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.850 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

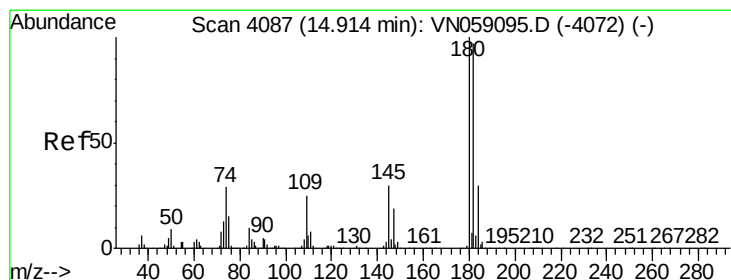
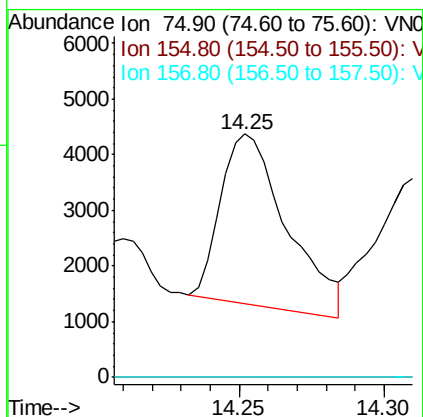
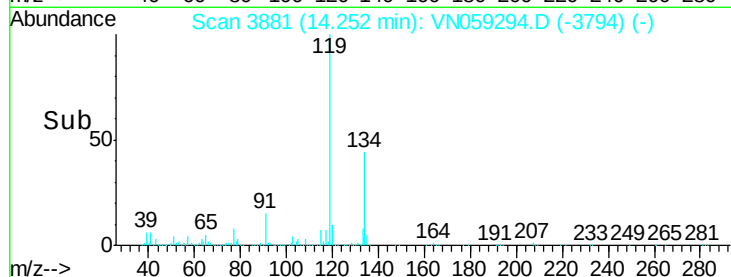
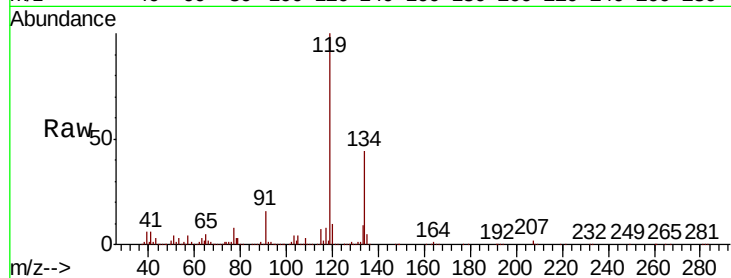
Tot Ion: 75 Resp: 4838

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 51.8 155.5#



#93

1,2,4-Trichlorobenzene

Concen: 3.093 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

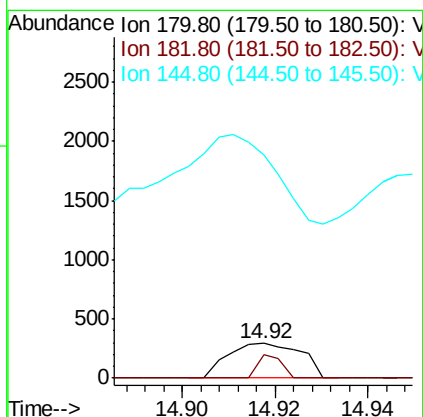
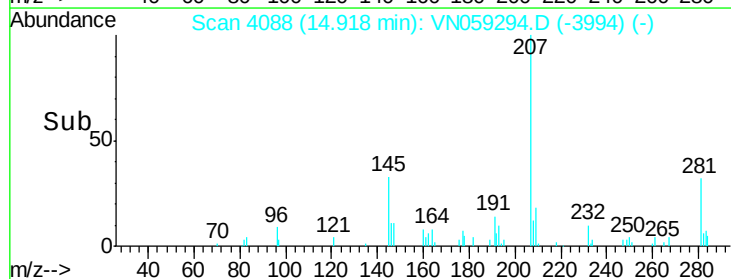
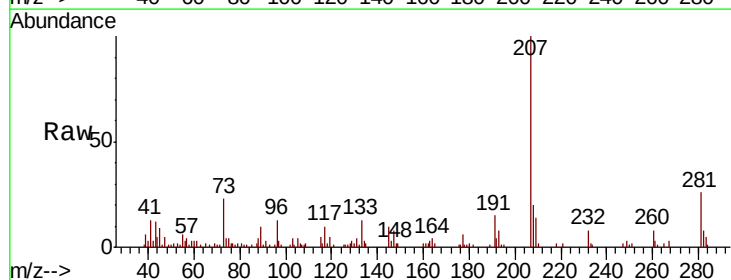
Tgt Ion: 180 Resp: 319

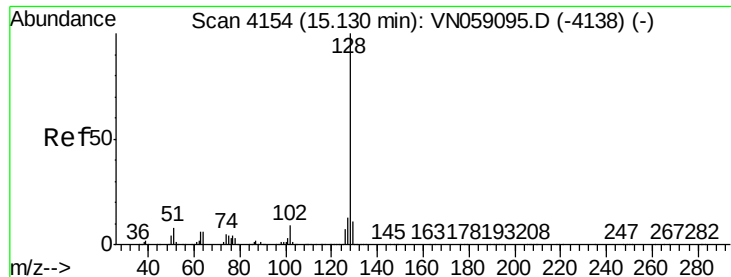
Ion Ratio Lower Upper

180 100

182 22.3 48.1 144.3#

145 1134.2 15.1 45.3#





#95

Naphthalene

Concen: 12.894 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059294.D

Acq: 18 Nov 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

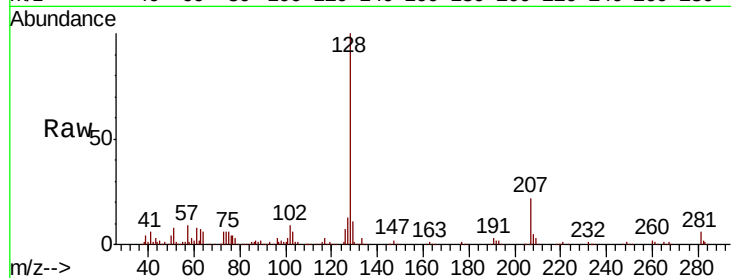
Tot Ion:128 Resp: 188300

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

150000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

