

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059092.D
 Acq On : 6 Nov 2019 8:55
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 03:11:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	458257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	730984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	636267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	240984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	6745	1.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.28%	
35) Dibromofluoromethane	7.57	113	4548	0.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.96%	
50) Toluene-d8	10.08	98	17350	0.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.94%	
62) 4-Bromofluorobenzene	12.40	95	6792	1.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.12%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	4916	1.000	ug/l	98
3) Chloromethane	2.04	50	7378	1.108	ug/l	93
4) Vinyl Chloride	2.17	62	6488	1.002	ug/l #	85
5) Bromomethane	2.54	94	4073	1.068	ug/l	94
6) Chloroethane	2.69	64	4169	1.051	ug/l	100
7) Trichlorofluoromethane	3.00	101	7685	0.996	ug/l	95
8) Diethyl Ether	3.39	74	2964	0.981	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4569	1.004	ug/l	94
10) Methyl Iodide	3.93	142	4344	0.782	ug/l #	78
11) Tert butyl alcohol	4.74	59	4042	3.618	ug/l #	88
12) 1,1-Dichloroethene	3.71	96	4514	0.998	ug/l	98
13) Acrolein	3.58	56	3323	4.937	ug/l	99
14) Allyl chloride	4.29	41	9811	1.095	ug/l	97
15) Acrylonitrile	4.96	53	11791	4.191	ug/l	91
16) Acetone	3.79	43	12826	4.158	ug/l	97
17) Carbon Disulfide	4.03	76	15307	1.073	ug/l #	93
18) Methyl Acetate	4.30	43	3470	0.447	ug/l	95
19) Methyl tert-butyl Ether	5.02	73	14187	0.920	ug/l	97
20) Methylene Chloride	4.52	84	5666	1.056	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	4646	0.958	ug/l	85
22) Diisopropyl ether	5.92	45	16028	0.938	ug/l	93
23) Vinyl Acetate	5.87	43	60540	4.460	ug/l	98
24) 1,1-Dichloroethane	5.82	63	9578	0.980	ug/l #	94
25) 2-Butanone	6.81	43	17226	4.223	ug/l	96
26) 2,2-Dichloropropane	6.79	77	9149	1.080	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	5563	1.015	ug/l	97
28) Bromochloromethane	7.17	49	3048	1.017	ug/l #	100
29) Tetrahydrofuran	7.19	42	11468	4.458	ug/l	96
30) Chloroform	7.35	83	9500	1.017	ug/l	95
31) Cyclohexane	7.64	56	17278	1.861	ug/l #	24
32) 1,1,1-Trichloroethane	7.55	97	7275	0.921	ug/l #	49
36) 1,1-Dichloropropene	7.77	75	6536	0.904	ug/l	97
37) Ethyl Acetate	6.90	43	7415	0.922	ug/l #	83
38) Carbon Tetrachloride	7.75	117	6940	0.984	ug/l	93

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 03:11:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	7214	0.866	ug/l	98
40) Benzene	8.01	78	20719	0.963	ug/l	99
41) Methacrylonitrile	7.18	41	10836	3.099	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	7022	0.939	ug/l	88
43) Isopropyl Acetate	8.14	43	11892	0.948	ug/l #	89
44) Trichloroethene	8.82	130	5064	0.956	ug/l	96
45) 1,2-Dichloropropane	9.10	63	5541	0.952	ug/l	97
46) Dibromomethane	9.19	93	3770	1.049	ug/l	95
47) Bromodichloromethane	9.38	83	6791	0.931	ug/l	91
48) Methyl methacrylate	9.18	41	5062	0.884	ug/l	94
49) 1,4-Dioxane	9.18	88	1788	19.270	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	30177	4.127	ug/l	97
52) Toluene	10.14	92	11804	0.938	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	7883	0.937	ug/l #	61
54) cis-1,3-Dichloropropene	9.82	75	8095	0.913	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	5199	1.011	ug/l	95
56) Ethyl methacrylate	10.42	69	5373	0.695	ug/l #	79
57) 1,3-Dichloropropane	10.70	76	8532	0.955	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.68	63	12842	4.184	ug/l	97
59) 2-Hexanone	10.74	43	21918	3.946	ug/l	96
60) Dibromochloromethane	10.89	129	5134	0.929	ug/l	93
61) 1,2-Dibromoethane	11.00	107	4907	0.945	ug/l	100
64) Tetrachloroethene	10.62	164	4623	1.041	ug/l	96
65) Chlorobenzene	11.43	112	12582	0.967	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.50	131	4846	1.011	ug/l #	61
67) Ethyl Benzene	11.51	91	22470	0.998	ug/l	95
68) m/p-Xylenes	11.62	106	15703	1.865	ug/l	100
69) o-Xylene	11.94	106	7783	0.969	ug/l	97
70) Styrene	11.96	104	10576	0.814	ug/l	97
71) Bromoform	12.12	173	3509	0.947	ug/l #	95
73) Isopropylbenzene	12.25	105	20024	1.132	ug/l	95
74) N-amyl acetate	12.07	43	6488	0.829	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	6665	1.058	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	9611	1.707	ug/l #	100
77) Bromobenzene	12.53	156	5111	1.152	ug/l	96
78) n-propylbenzene	12.59	91	22090	1.081	ug/l	100
79) 2-Chlorotoluene	12.67	91	13835	1.090	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	15891	1.056	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	2491	1.134	ug/l	92
82) 4-Chlorotoluene	12.77	91	13017	1.004	ug/l	99
83) tert-Butylbenzene	12.99	119	14243	1.111	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	14756	1.013	ug/l	99
85) sec-Butylbenzene	13.17	105	17655	1.054	ug/l	98
86) p-Isopropyltoluene	13.29	119	14184	0.940	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	7930	1.010	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	7930	1.022	ug/l	96
89) n-Butylbenzene	13.62	91	12451	0.950	ug/l	92
90) Hexachloroethane	13.88	117	3447	1.151	ug/l	76
91) 1,2-Dichlorobenzene	13.66	146	7692	0.982	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1974	1.453	ug/l	53

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Quant Title : SW846 8260
QLast Update : Thu Nov 07 03:09:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3365	0.801	ug/l	96
94) Hexachlorobutadiene	15.01	225	2842	1.119	ug/l	90
95) Naphthalene	15.13	128	9811	0.852	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	4229	0.984	ug/l	83

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

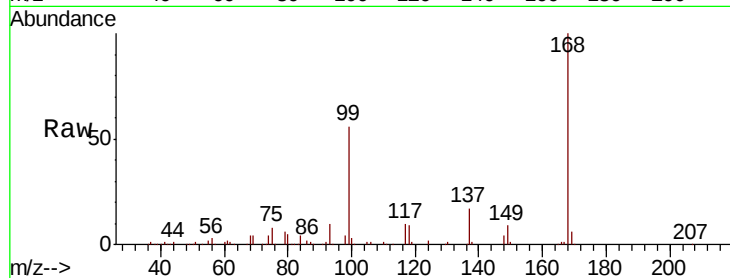
ClientSampled :

Tot Ion:168 Resp: 458257

Ion Ratio Lower Upper

168 100

99 56.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059095.D (-1806) (-)

7.64

200000

150000

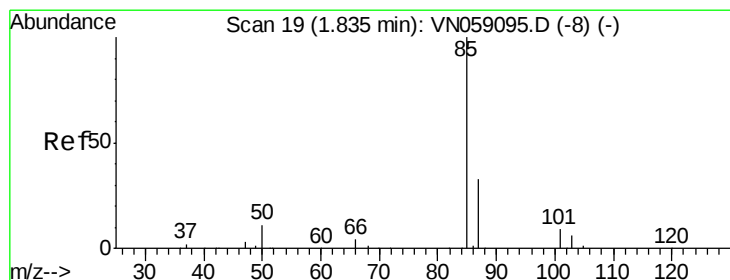
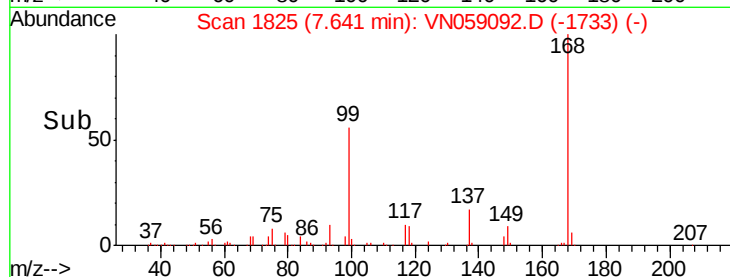
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.000 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059092.D

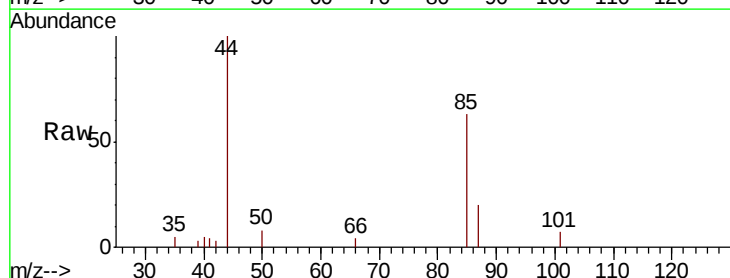
Acq: 6 Nov 2019 8:55

Tgt Ion: 85 Resp: 4916

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN059095.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059095.D (-8) (-)

1.83

4000

3000

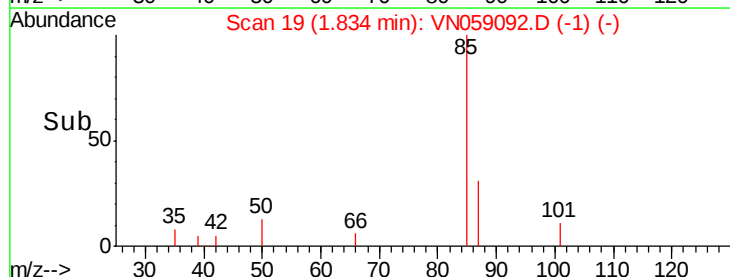
2000

1000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.108 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

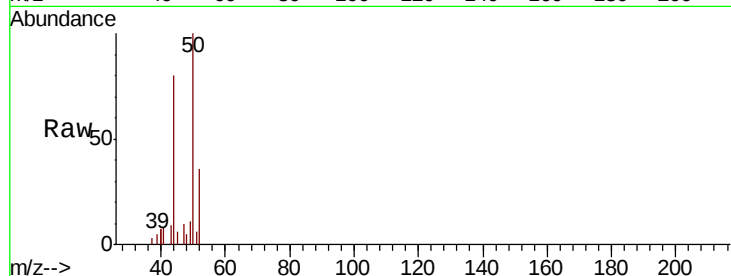
ClientSampled :

Tot Ion: 50 Resp: 7378

Ion Ratio Lower Upper

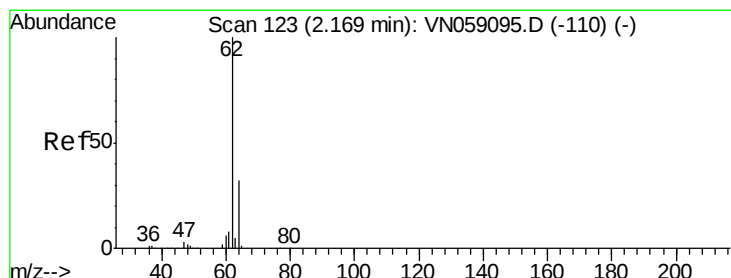
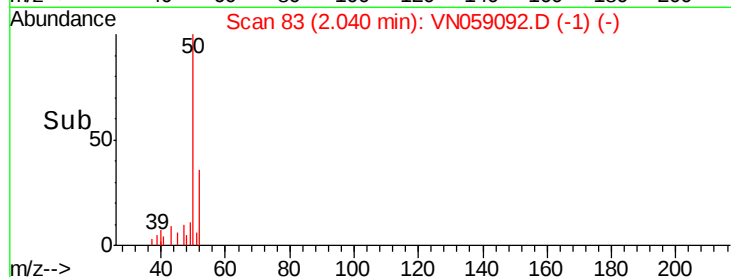
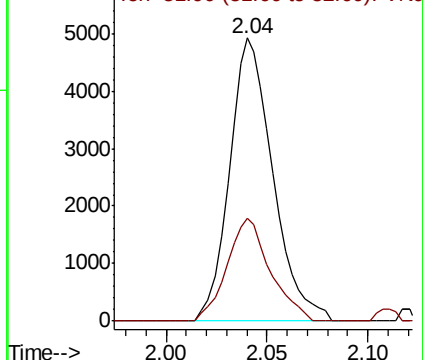
50 100

52 36.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 1.002 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059092.D

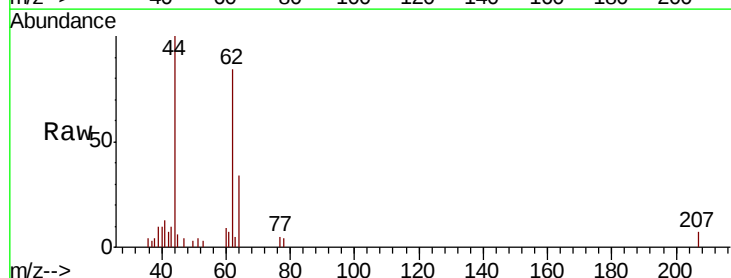
Acq: 6 Nov 2019 8:55

Tgt Ion: 62 Resp: 6488

Ion Ratio Lower Upper

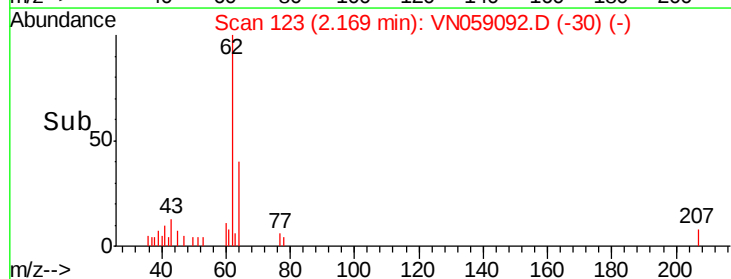
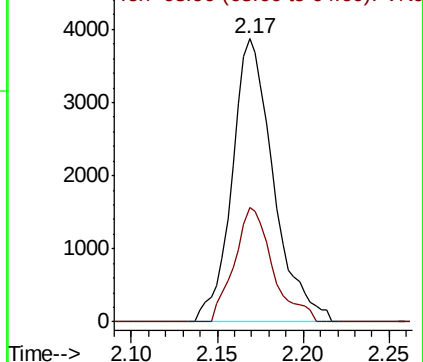
62 100

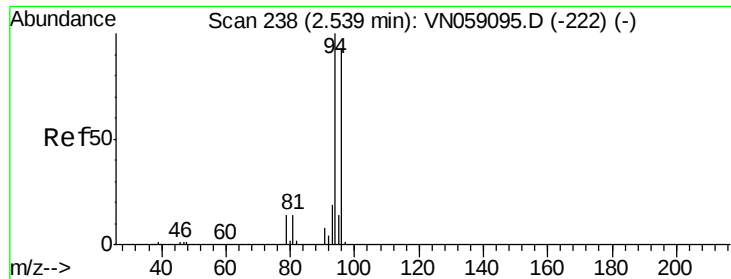
64 40.4 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.068 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

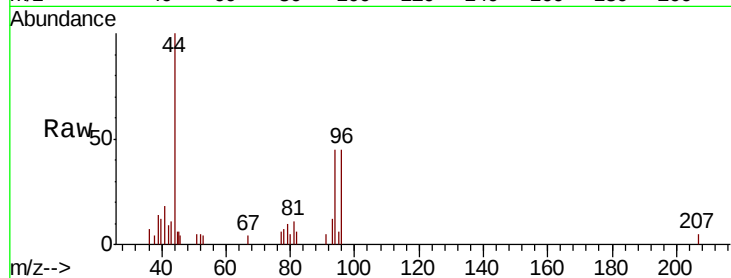
ClientSampled :

Tot Ion: 94 Resp: 4073

Ion Ratio Lower Upper

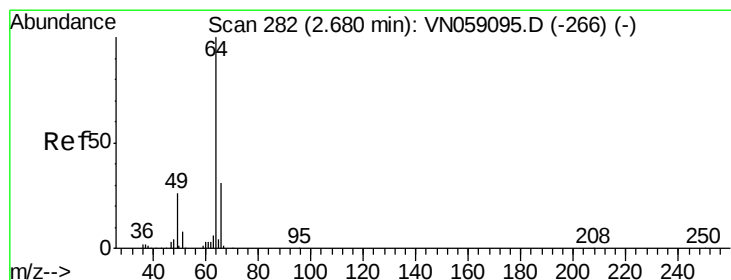
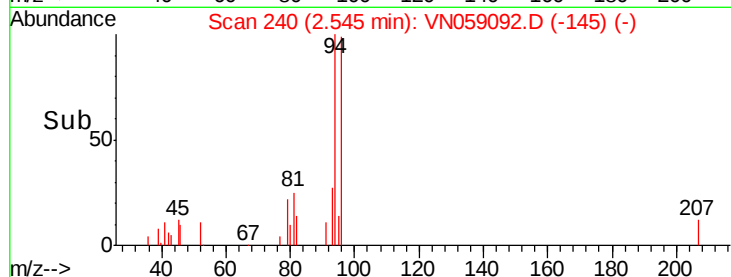
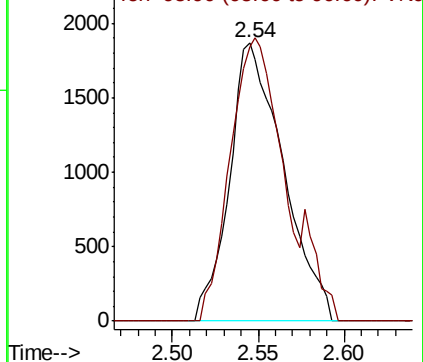
94 100

96 98.6 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.051 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059092.D

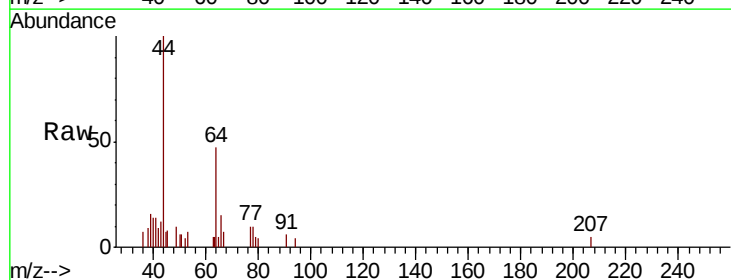
Acq: 6 Nov 2019 8:55

Tgt Ion: 64 Resp: 4169

Ion Ratio Lower Upper

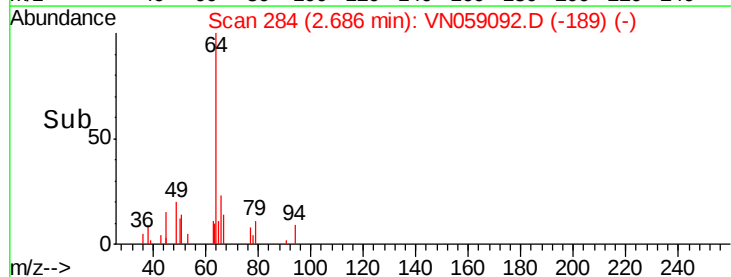
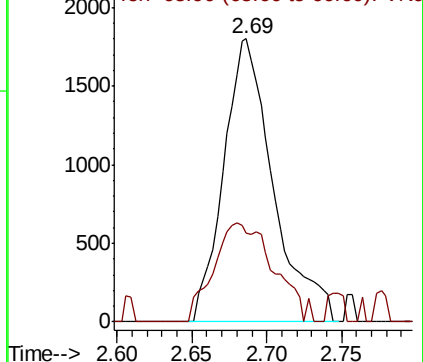
64 100

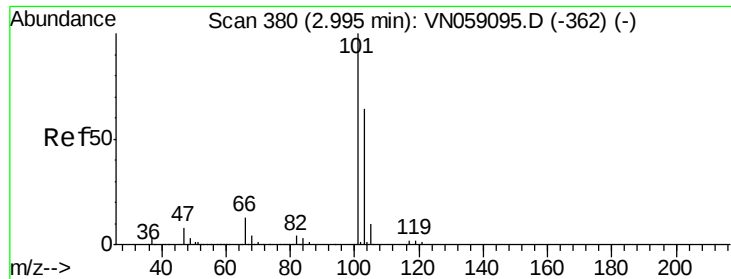
66 31.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



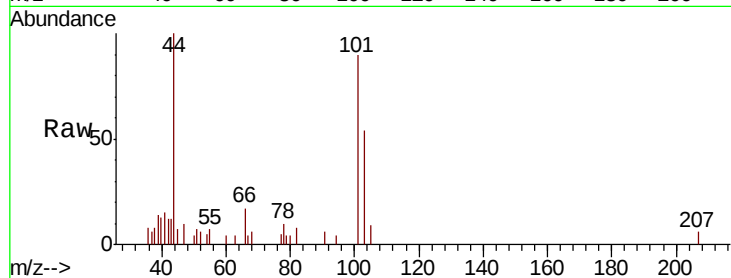


#7

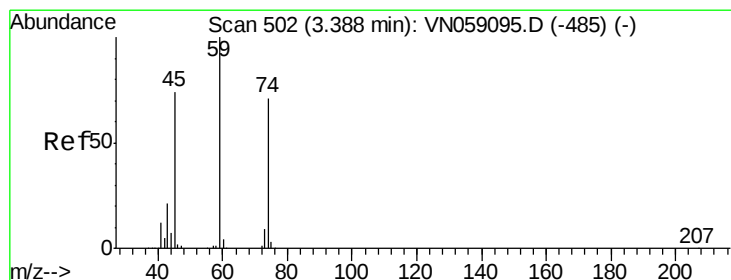
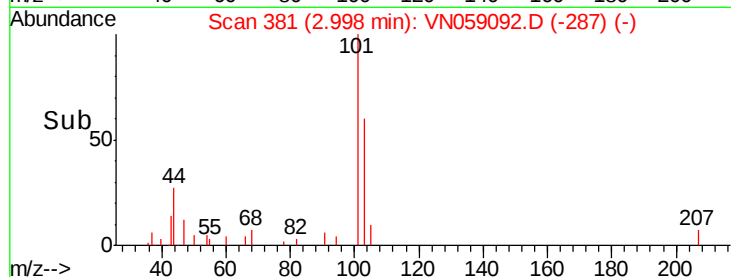
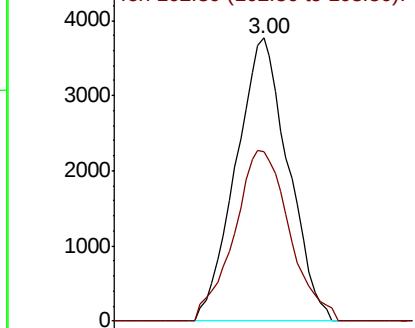
Trichlorofluoromethane
Concen: 0.996 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 7685
Ion Ratio Lower Upper
101 100
103 60.0 51.2 76.8



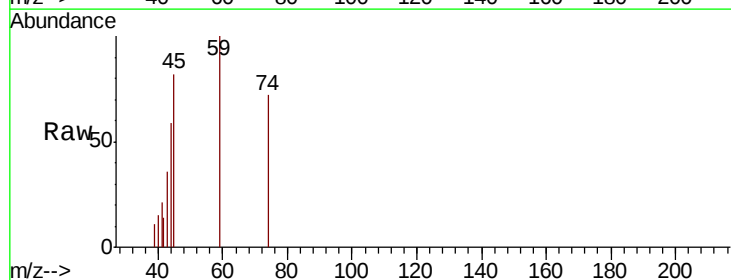
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



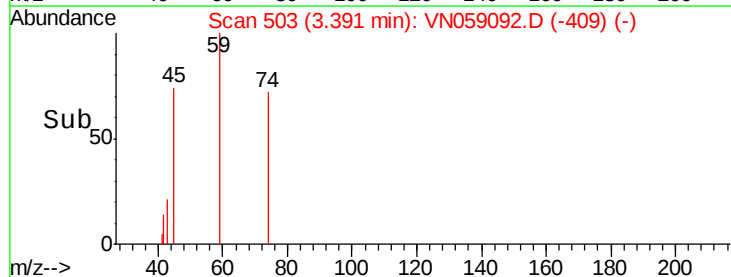
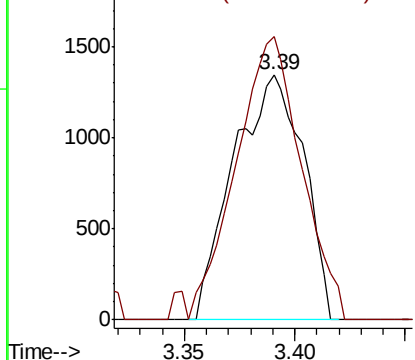
#8

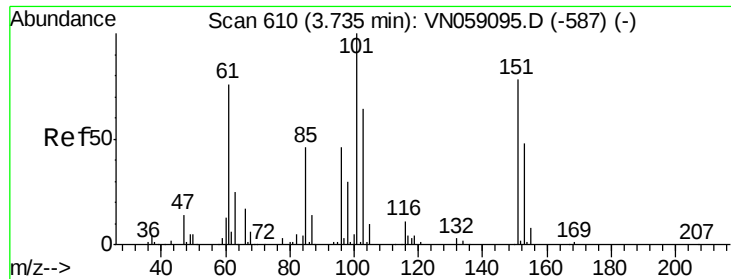
Diethyl Ether
Concen: 0.981 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion: 74 Resp: 2964
Ion Ratio Lower Upper
74 100
45 107.8 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.004 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

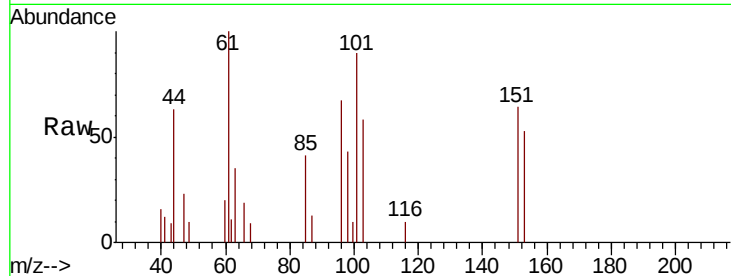
Tot Ion:101 Resp: 4569

Ion Ratio Lower Upper

101 100

85 40.8 35.5 53.3

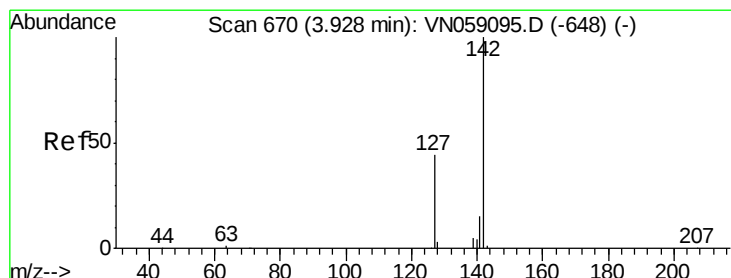
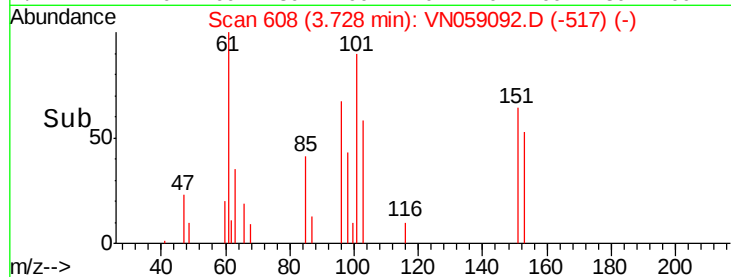
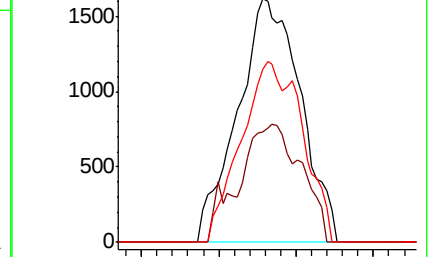
151 72.6 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.782 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

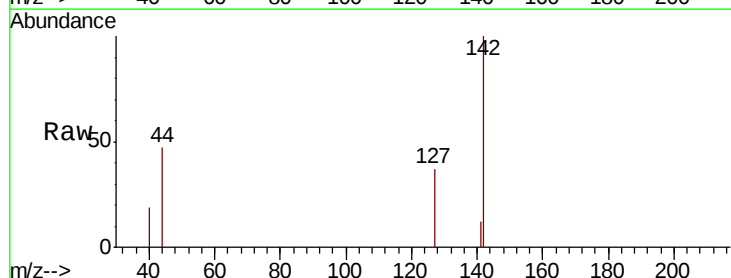
Tgt Ion:142 Resp: 4344

Ion Ratio Lower Upper

142 100

127 27.6 34.2 51.2#

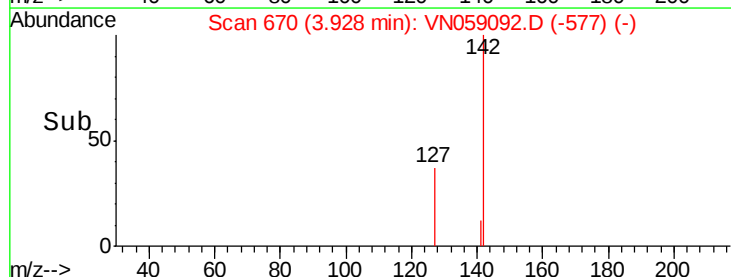
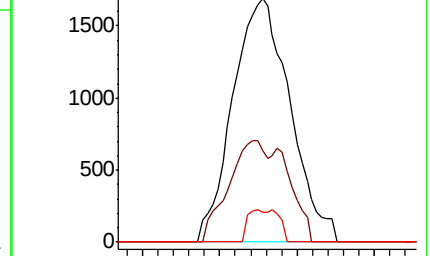
141 7.3 11.4 17.0#

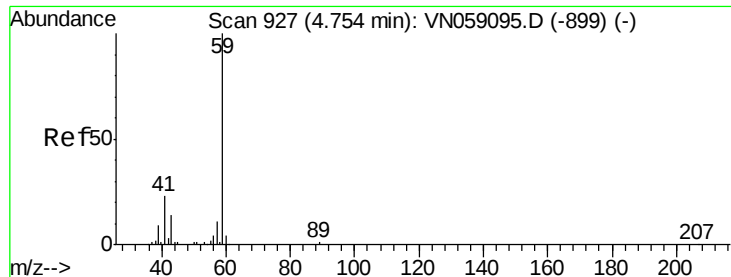


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



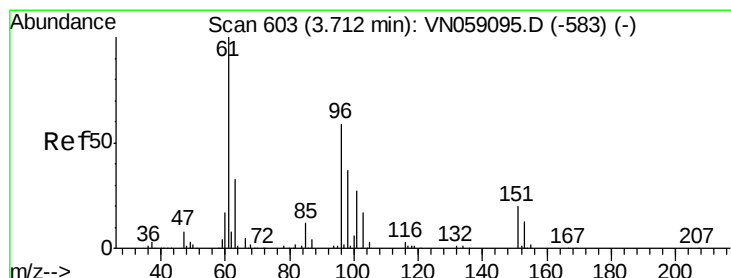
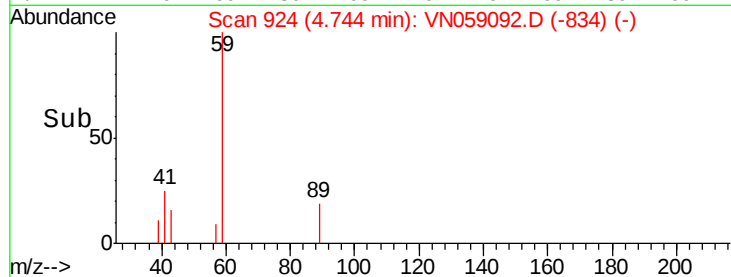
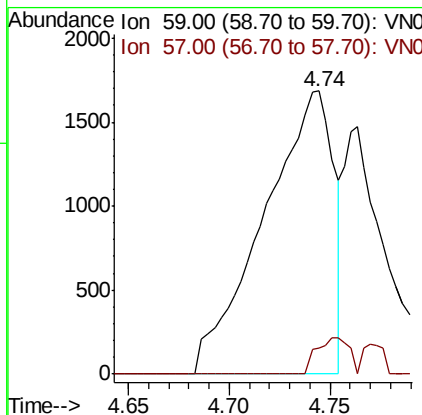
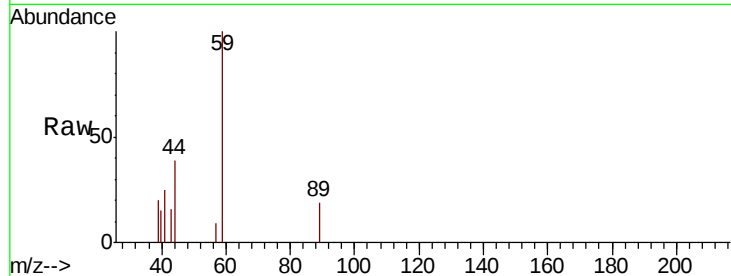


#11

Tert butyl alcohol
Concen: 3.618 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

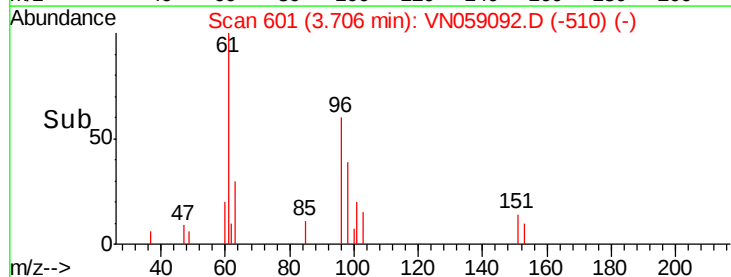
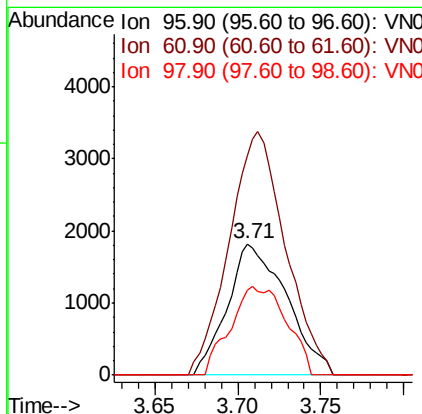
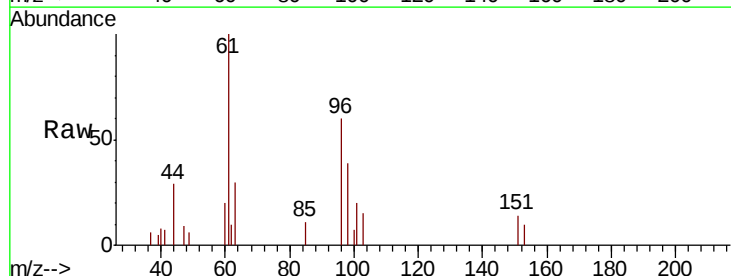
Tot Ion: 59 Resp: 4042
Ion Ratio Lower Upper
59 100
57 5.9 8.3 12.5#

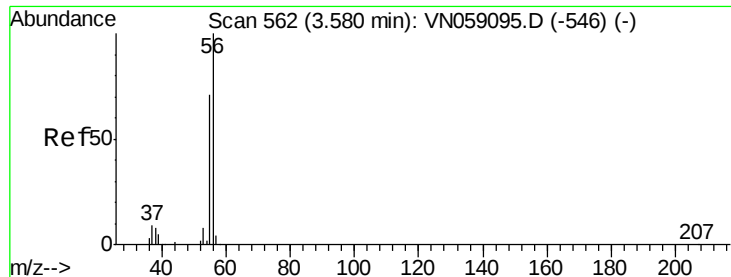


#12

1,1-Dichloroethene
Concen: 0.998 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.01 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion: 96 Resp: 4514
Ion Ratio Lower Upper
96 100
61 167.8 136.5 204.7
98 65.2 50.2 75.4





#13

Acrolein

Concen: 4.937 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

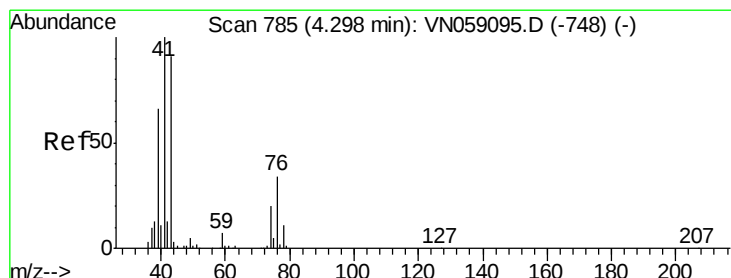
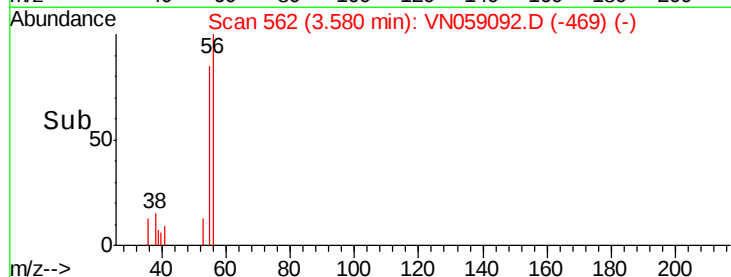
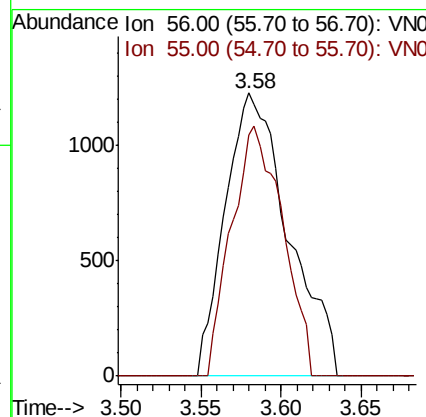
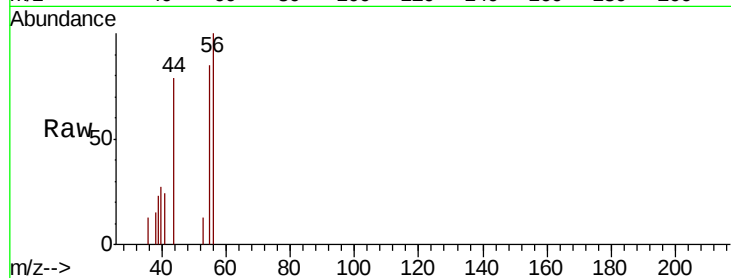
ClientSampleId :

Tot Ion: 56 Resp: 3323

Ion Ratio Lower Upper

56 100

55 71.2 56.4 84.6



#14

Allyl chloride

Concen: 1.095 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

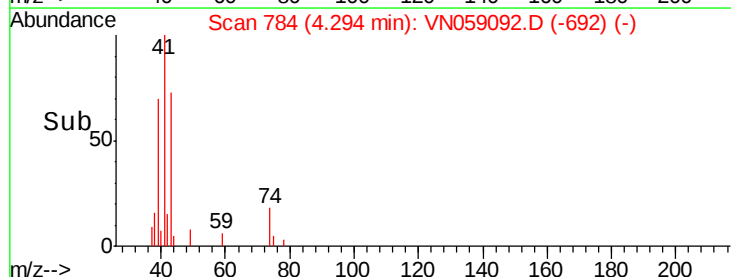
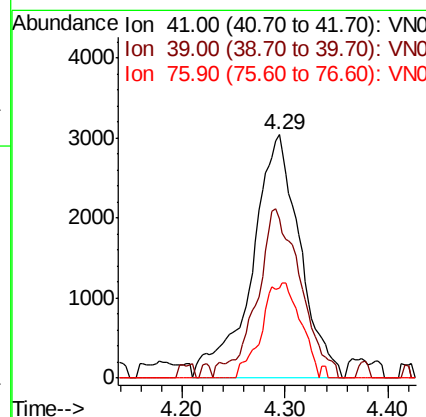
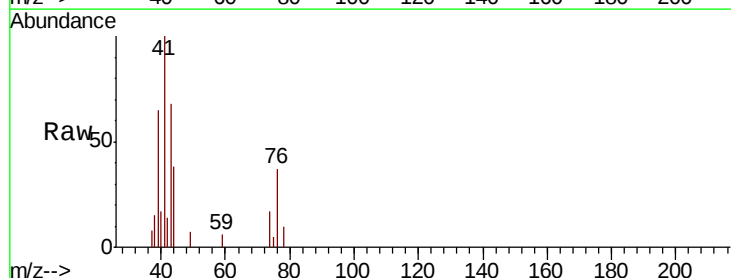
Tgt Ion: 41 Resp: 9811

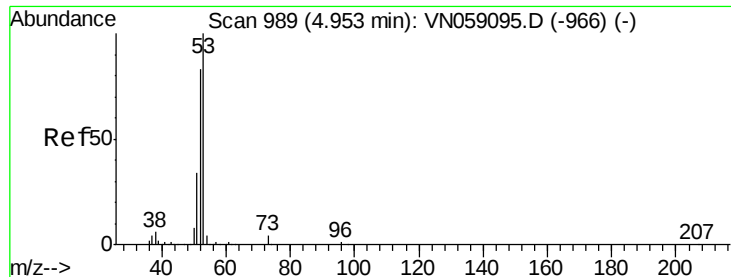
Ion Ratio Lower Upper

41 100

39 63.8 49.1 73.7

76 31.9 24.9 37.3





#15

Acrylonitrile

Concen: 4.191 ug/l

RT: 4.96 min Scan# 990

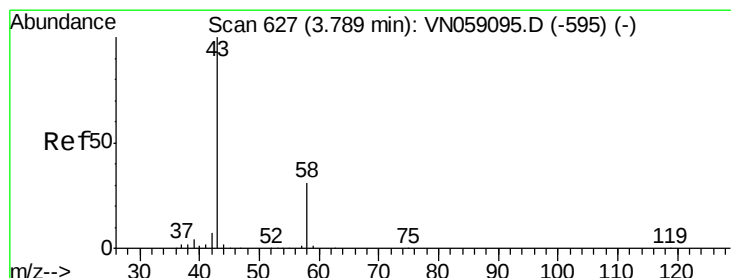
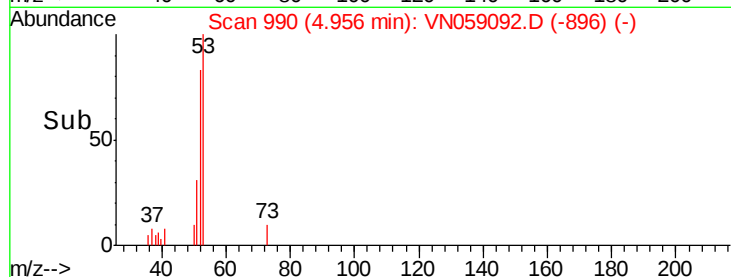
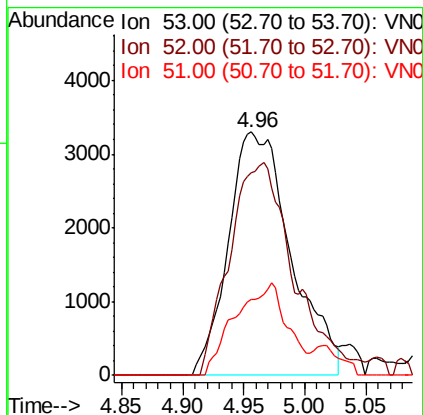
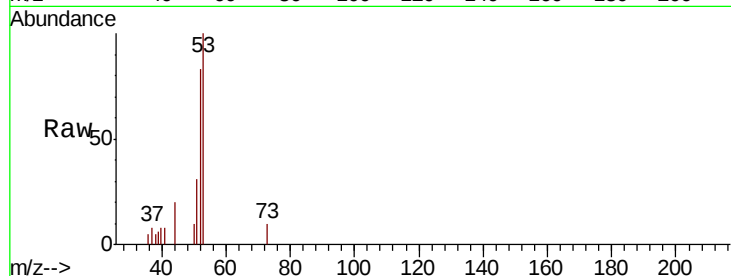
Delta R.T. 0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	53	Resp:	11791
Ion	Ratio	Lower	Upper
53	100		
52	90.2	65.0	97.6
51	32.0	28.0	42.0



#16

Acetone

Concen: 4.158 ug/l

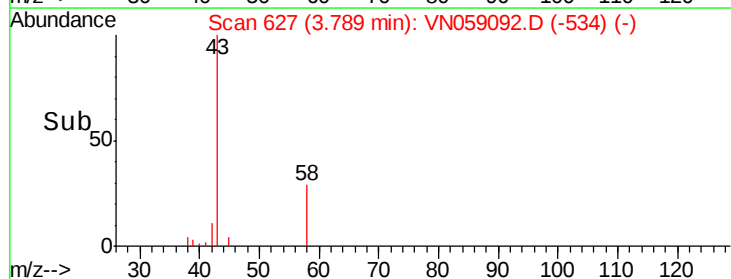
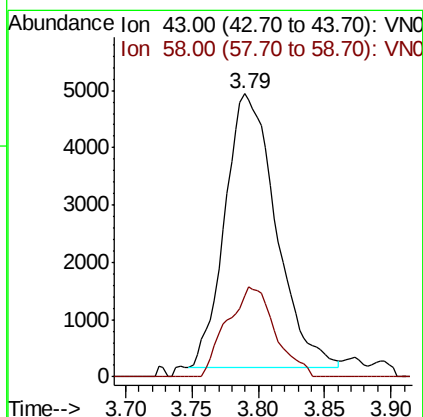
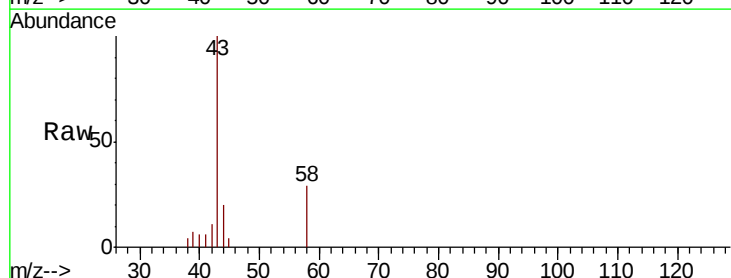
RT: 3.79 min Scan# 627

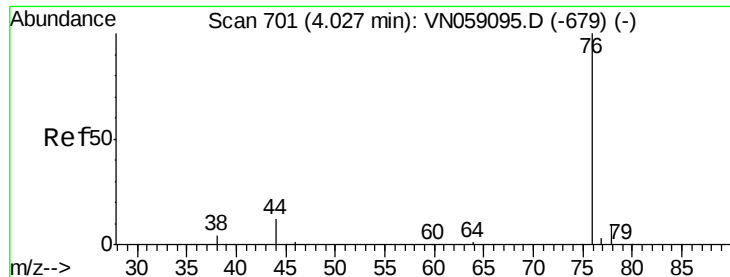
Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Tgt Ion:	43	Resp:	12826
Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.9	37.3

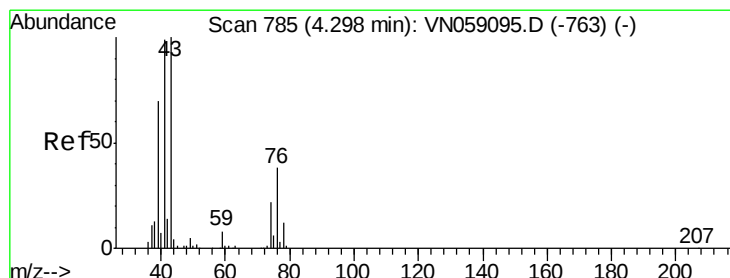
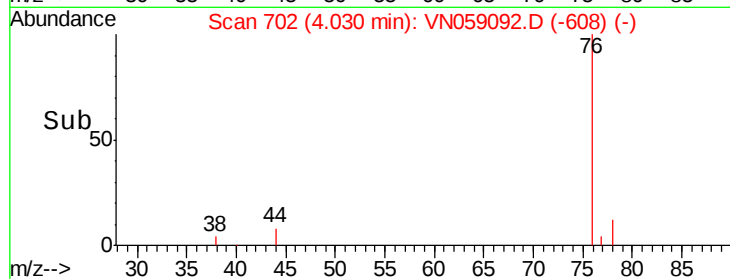
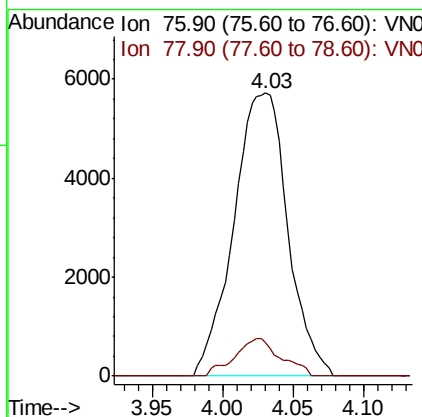
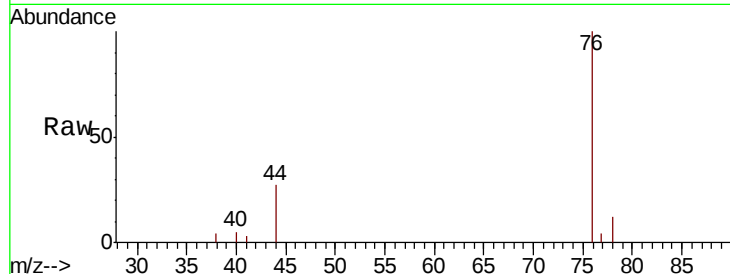




#17
Carbon Disulfide
Concen: 1.073 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

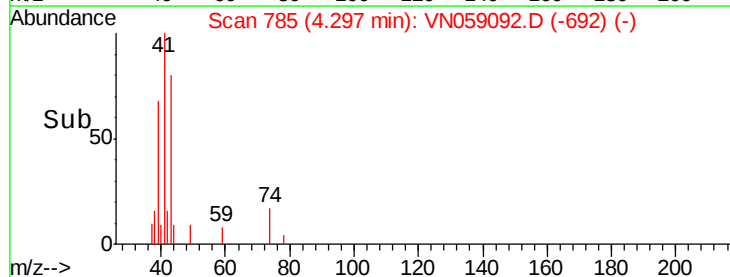
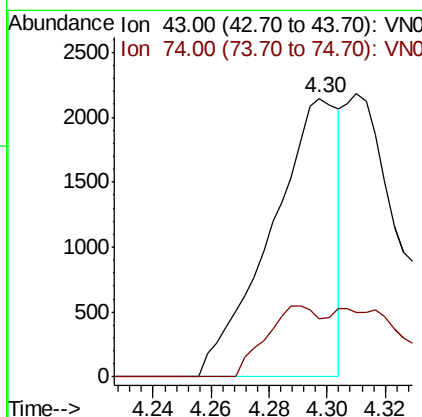
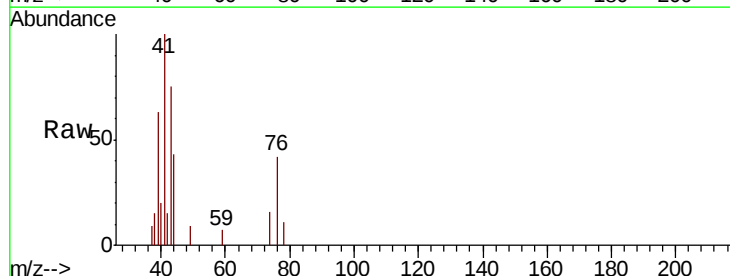
Instrument :
MSVOA_N
ClientSampleId :

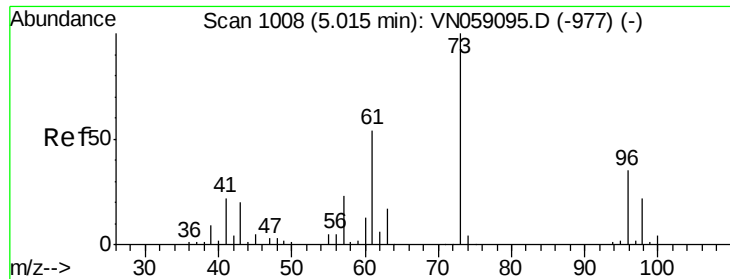
Tot Ion: 76 Resp: 15307
Ion Ratio Lower Upper
76 100
78 11.9 7.4 11.0#



#18
Methyl Acetate
Concen: 0.447 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion: 43 Resp: 3470
Ion Ratio Lower Upper
43 100
74 19.8 17.8 26.8

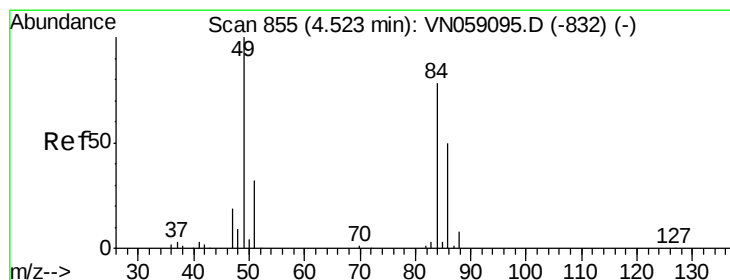
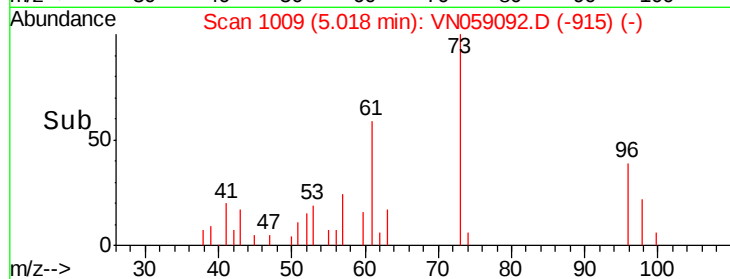
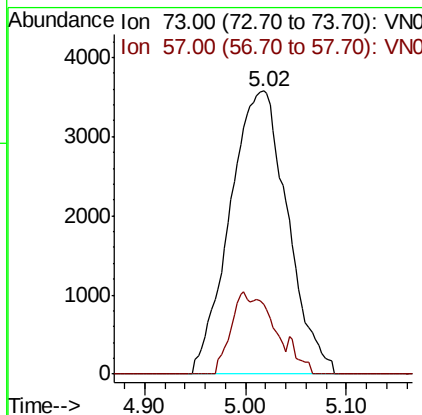
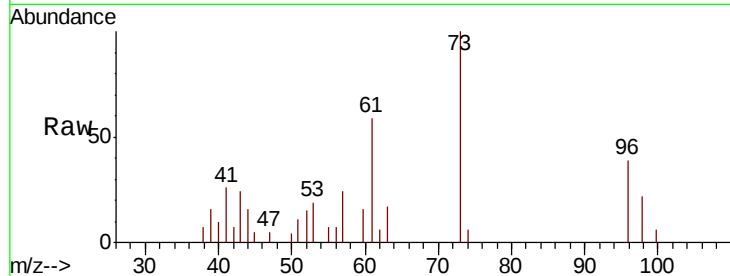




#19
Methyl tert-butyl Ether
Concen: 0.920 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

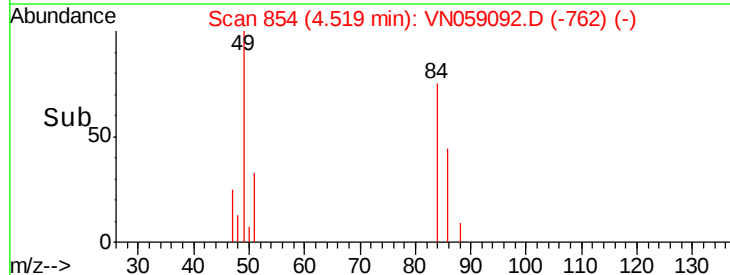
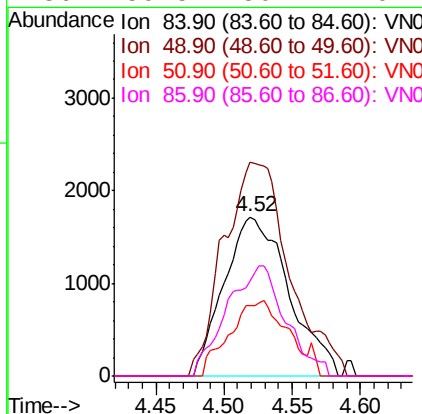
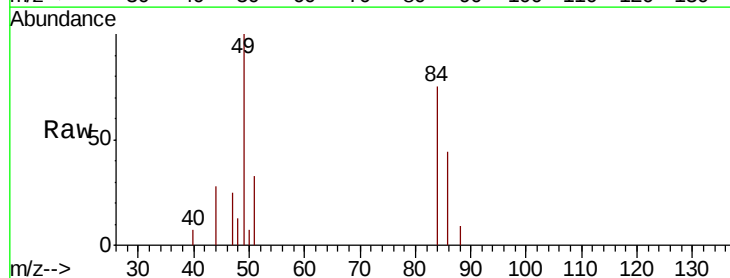
Instrument :
MSVOA_N
ClientSampled :

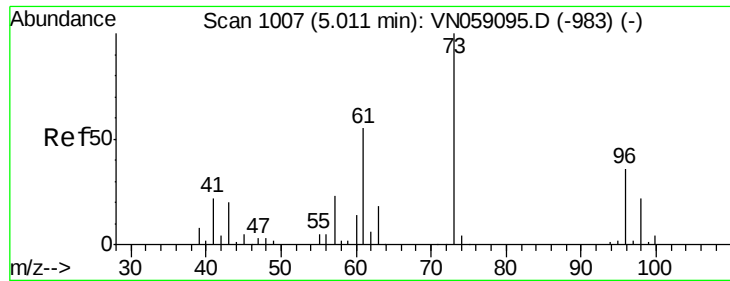
Tot Ion: 73 Resp: 14187
Ion Ratio Lower Upper
73 100
57 24.5 18.4 27.6



#20
Methylene Chloride
Concen: 1.056 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion: 84 Resp: 5666
Ion Ratio Lower Upper
84 100
49 134.1 102.0 153.0
51 44.1 32.2 48.2
86 59.5 50.7 76.1

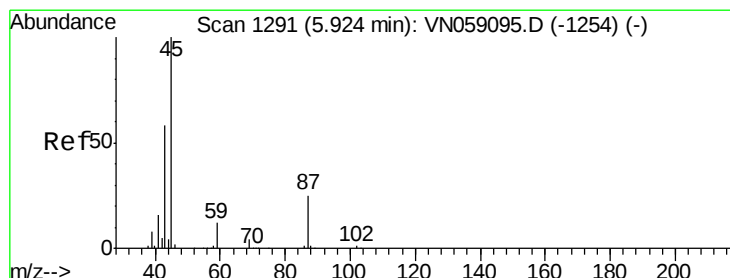
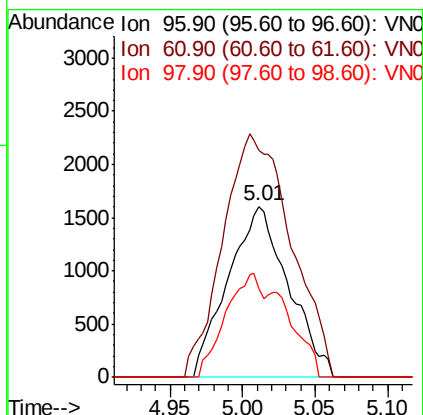
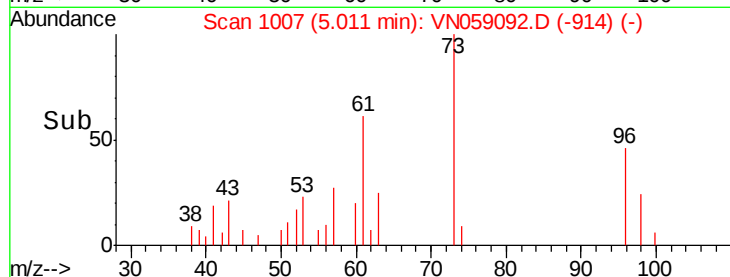
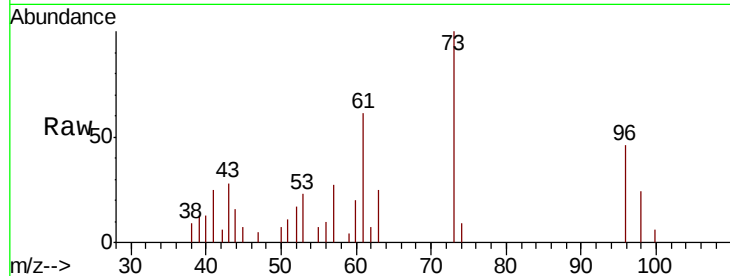




#21
trans-1,2-Dichloroethene
Concen: 0.958 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

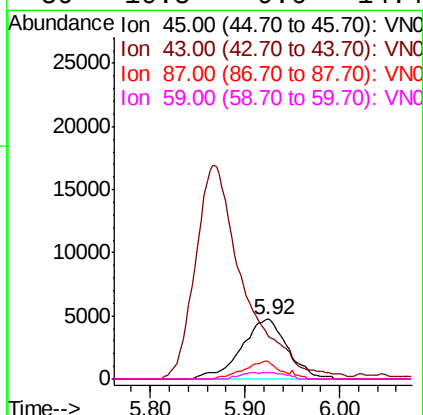
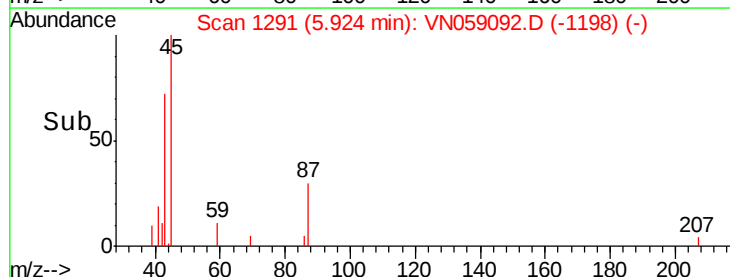
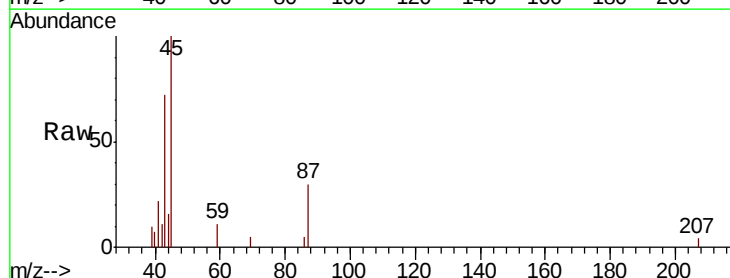
Instrument :
MSVOA_N
ClientSampleId :

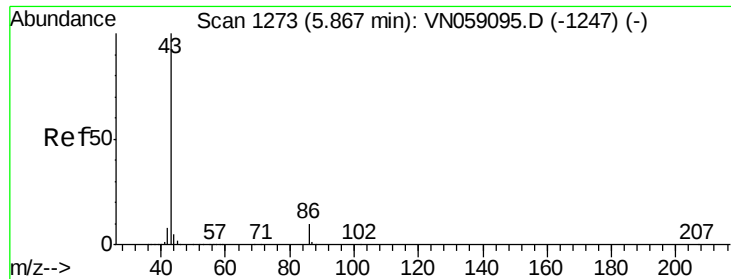
Tot Ion: 96 Resp: 4646
Ion Ratio Lower Upper
96 100
61 133.0 122.6 183.8
98 52.0 50.3 75.5



#22
Diisopropyl ether
Concen: 0.938 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion: 45 Resp: 16028
Ion Ratio Lower Upper
45 100
43 63.7 46.7 70.1
87 29.5 20.5 30.7
59 10.5 9.6 14.4

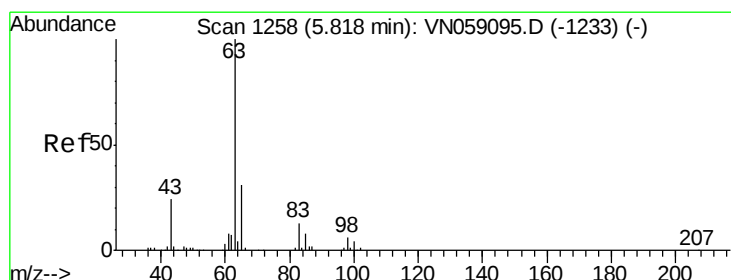
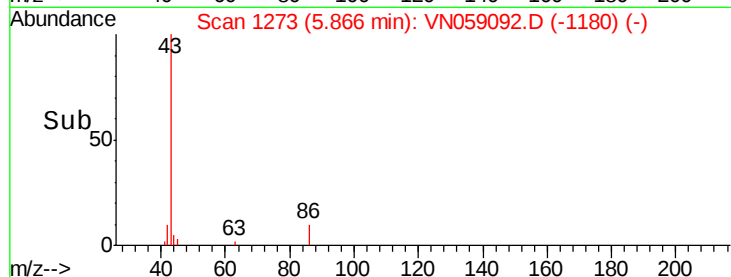
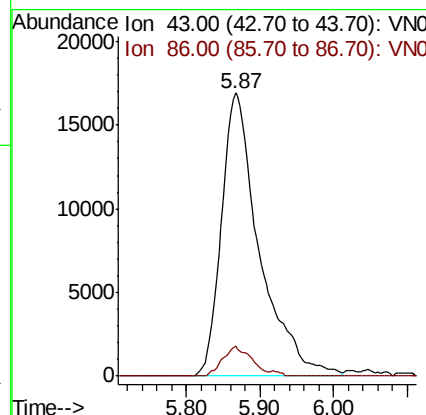
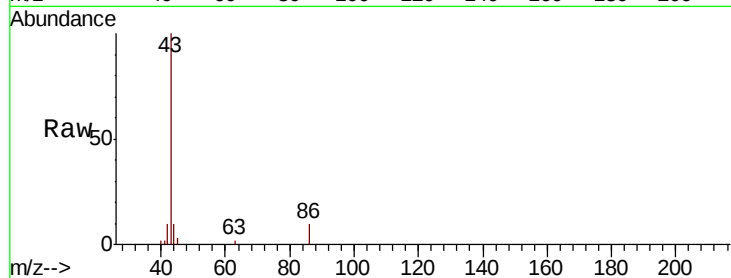




#23
 Vinyl Acetate
 Concen: 4.460 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

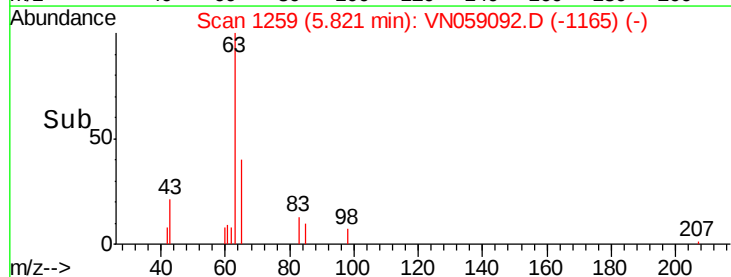
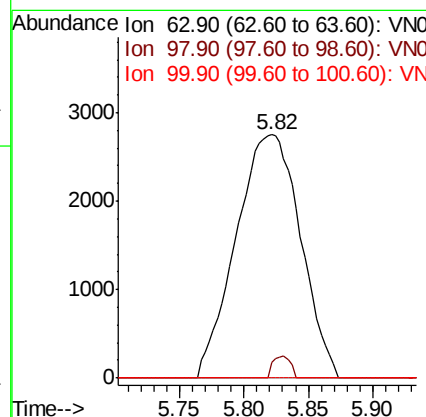
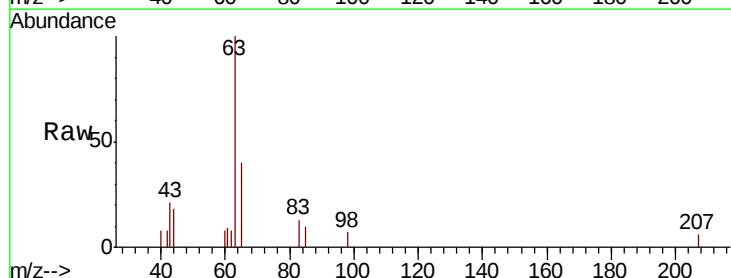
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 60540
 Ion Ratio Lower Upper
 43 100
 86 10.4 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 0.980 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

Tgt Ion: 63 Resp: 9578
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.8 8.4
 100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 4.223 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

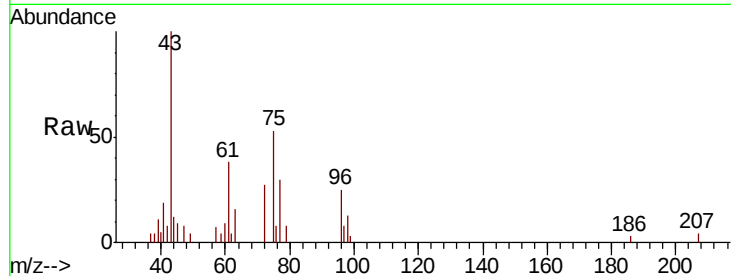
ClientSampleId :

Tot Ion: 43 Resp: 17226

Ion Ratio Lower Upper

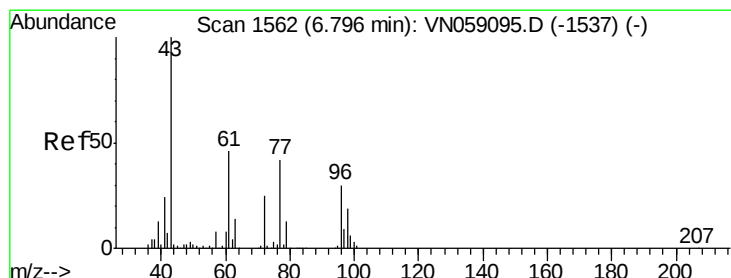
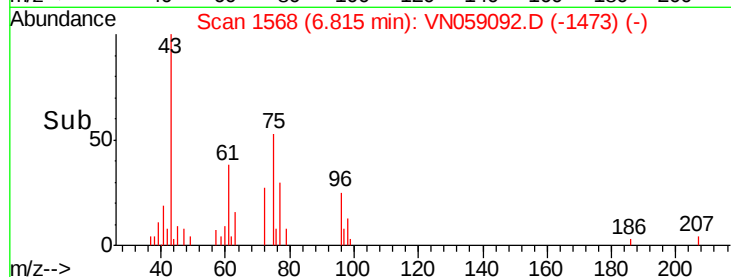
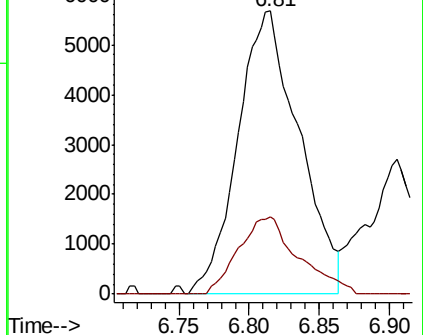
43 100

72 27.3 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN059092.D (-1541) (-)

Ion 72.00 (71.70 to 72.70): VN059092.D (-1541) (-)



#26

2,2-Dichloropropane

Concen: 1.080 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VN059092.D

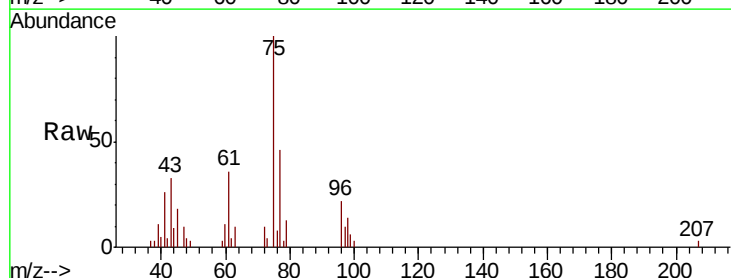
Acq: 6 Nov 2019 8:55

Tgt Ion: 77 Resp: 9149

Ion Ratio Lower Upper

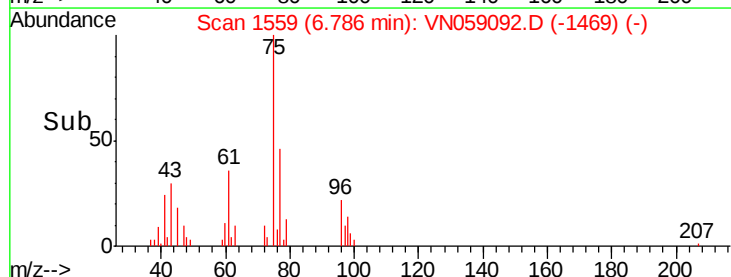
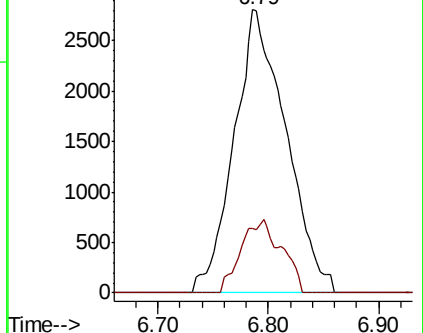
77 100

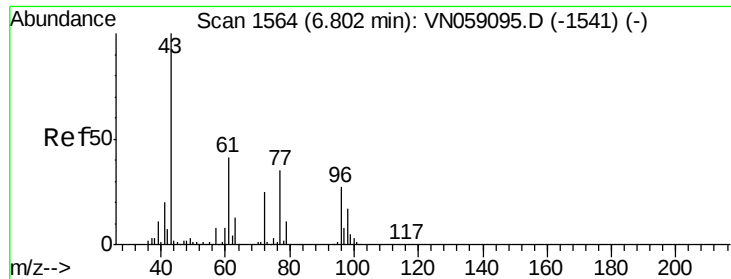
97 20.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN059092.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059092.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 1.015 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

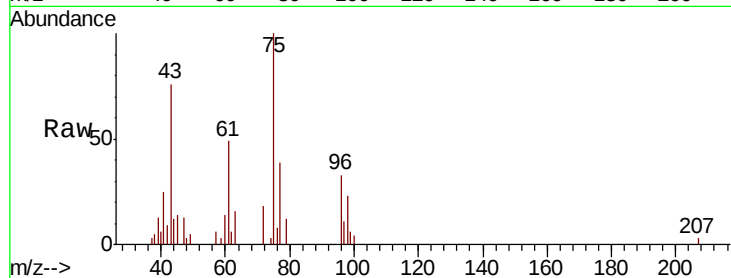
Tot Ion: 96 Resp: 5563

Ion Ratio Lower Upper

96 100

61 159.5 0.0 311.6

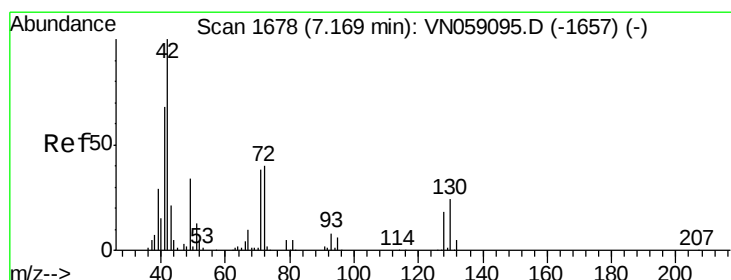
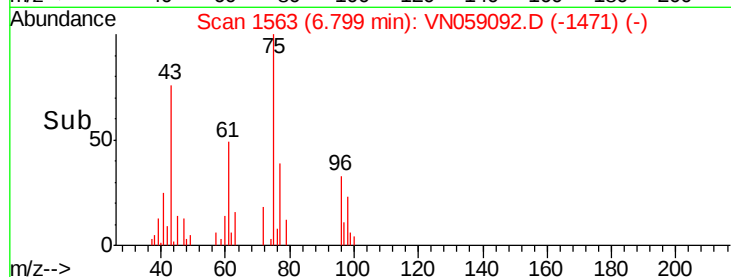
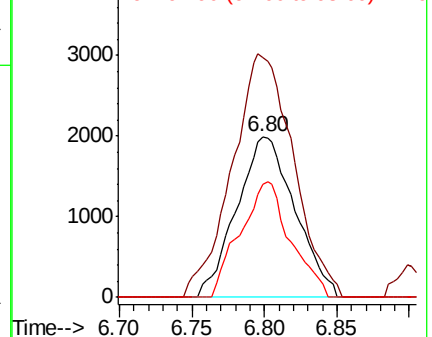
98 62.3 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059092.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN059092.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN059092.D (-1541) (-)



#28

Bromochloromethane

Concen: 1.017 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

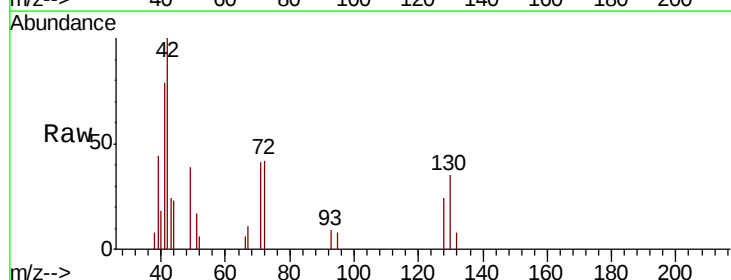
Tgt Ion: 49 Resp: 3048

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

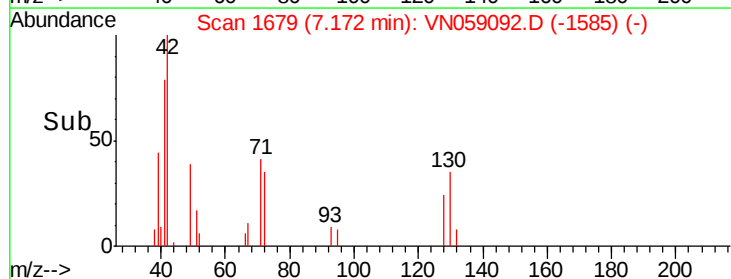
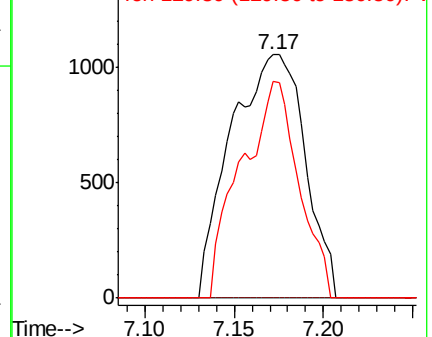
130 69.4 55.6 83.4

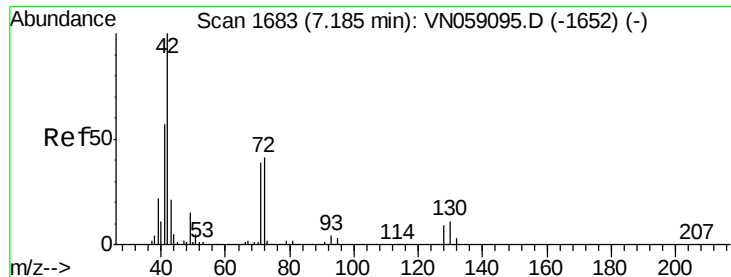


Abundance Ion 48.90 (48.60 to 49.60): VN059092.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059092.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059092.D (-1657) (-)

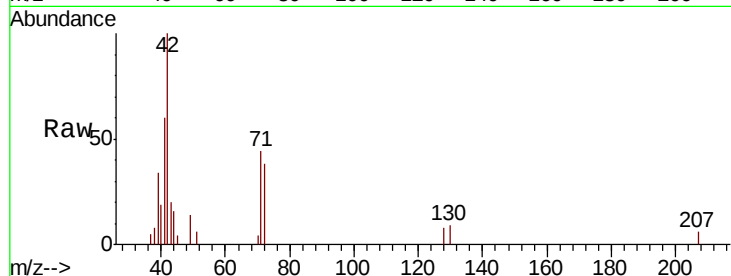




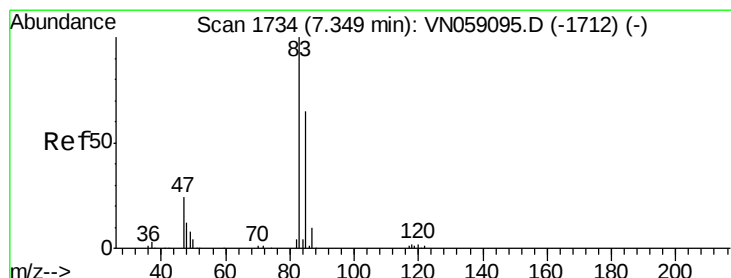
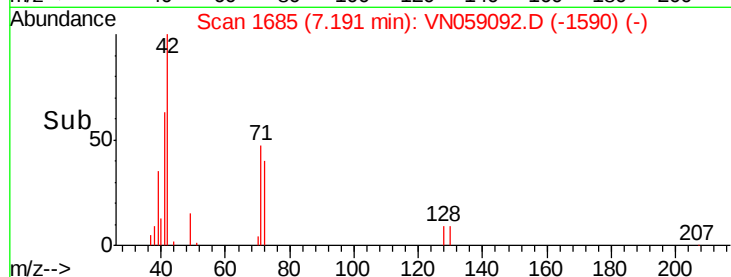
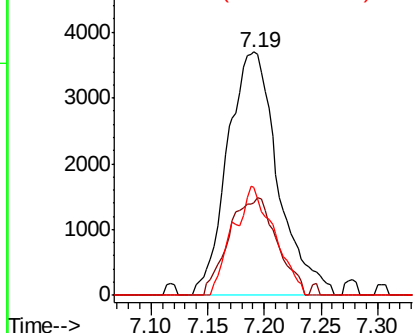
#29
Tetrahydrofuran
Concen: 4.458 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	33.1	49.7
71	37.0	30.9	46.3

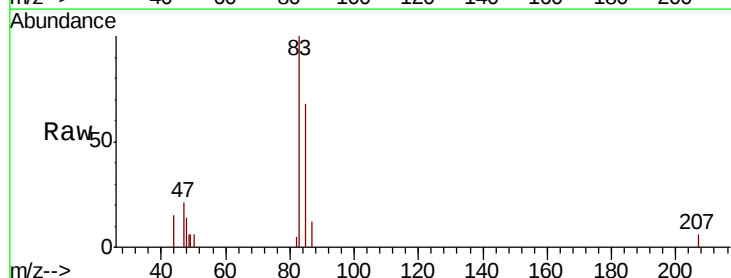


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

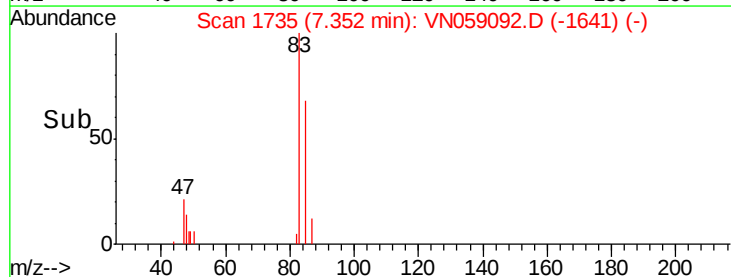
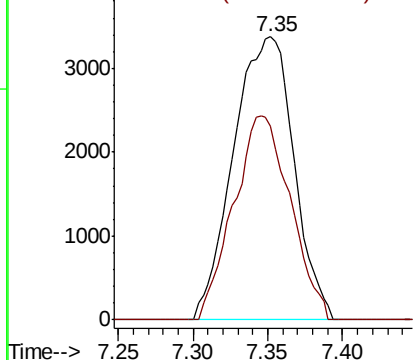


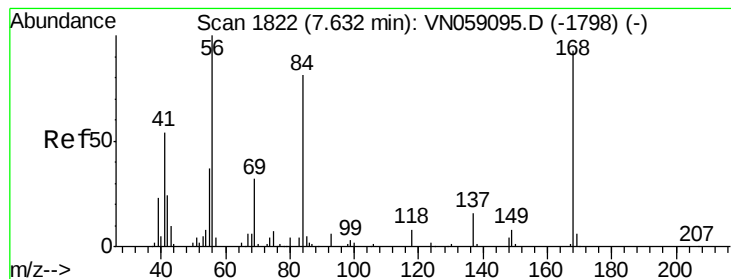
#30
Chloroform
Concen: 1.017 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	51.8	77.8



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





#31

Cyclohexane

Concen: 1.861 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

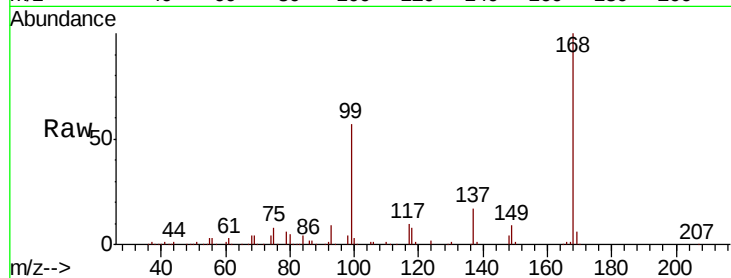
Tot Ion: 56 Resp: 17278

Ion Ratio Lower Upper

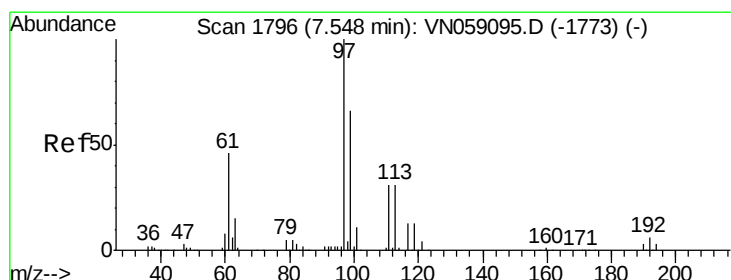
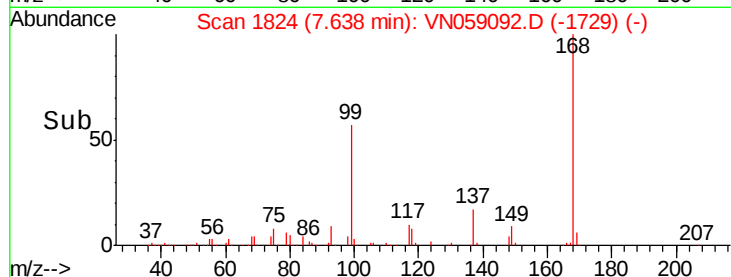
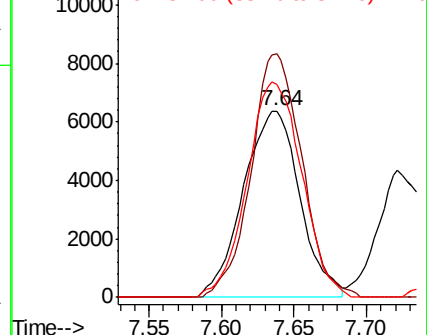
56 100

69 130.5 25.8 38.8#

84 114.0 65.0 97.4#



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



#32

1,1,1-Trichloroethane

Concen: 0.921 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

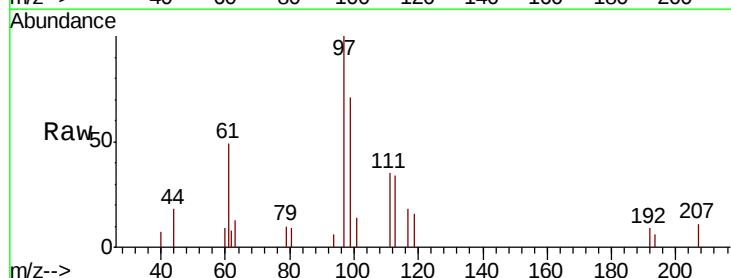
Tgt Ion: 97 Resp: 7275

Ion Ratio Lower Upper

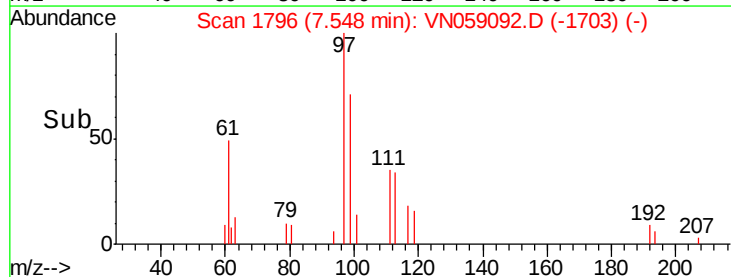
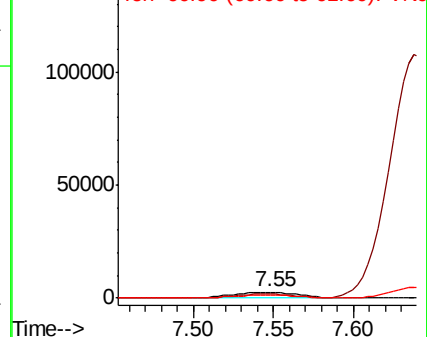
97 100

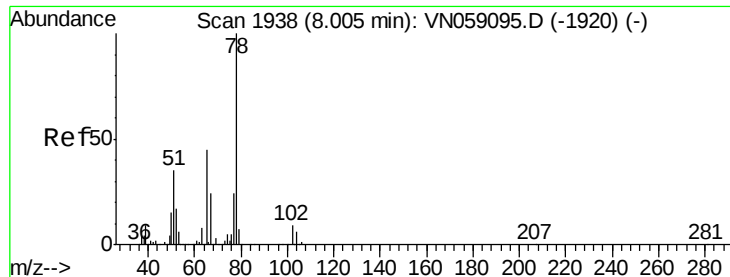
99 0.0 51.0 76.6#

61 48.9 35.8 53.8



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





#33

1,2-Dichloroethane-d4

Concen: 1.136 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

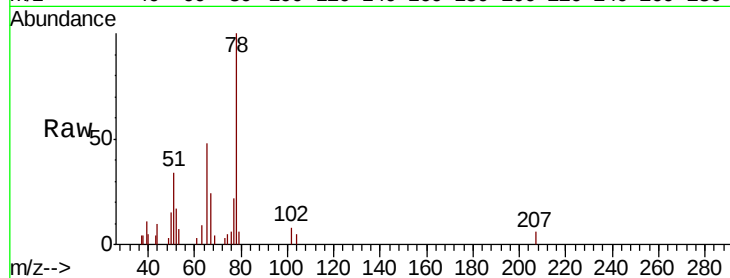
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 6745

Ion Ratio Lower Upper

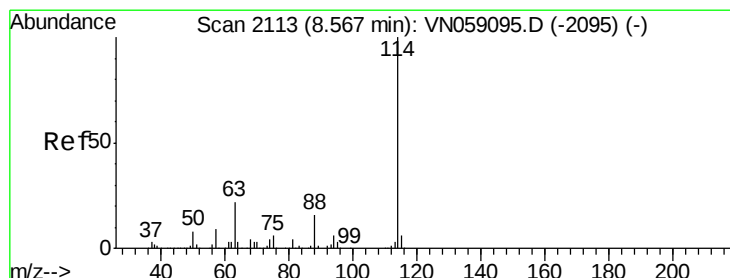
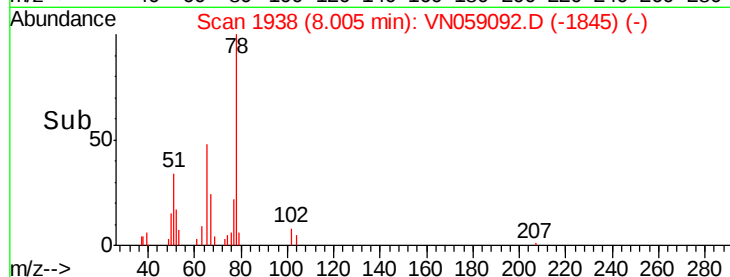
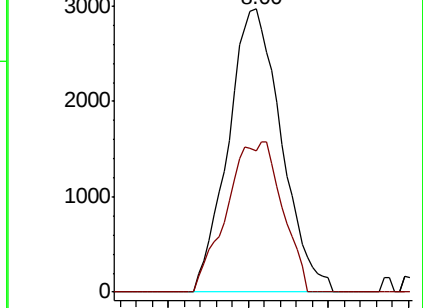
65 100

67 55.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059092.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059092.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

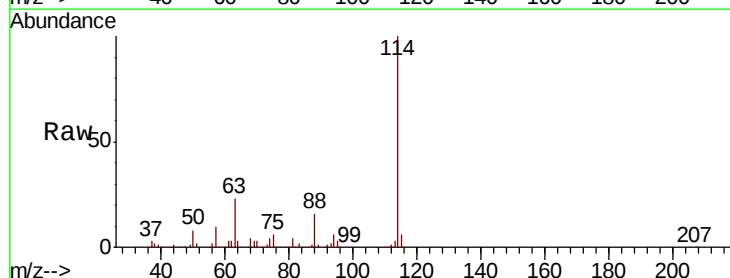
Tgt Ion: 114 Resp: 730984

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

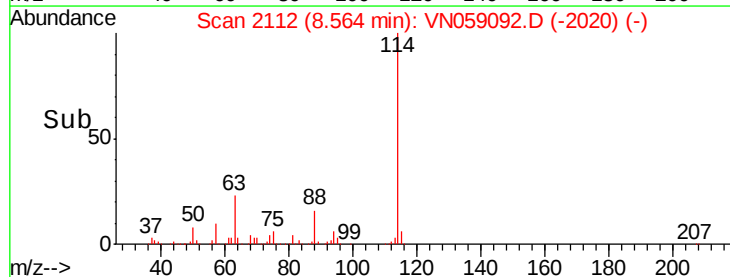
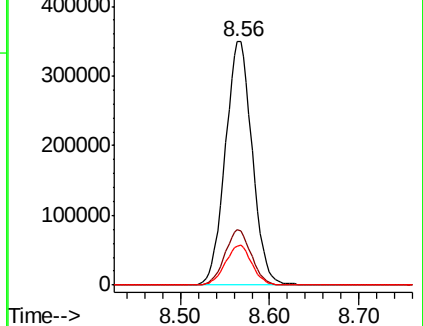
88 16.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059092.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059092.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059092.D (-2020) (-)

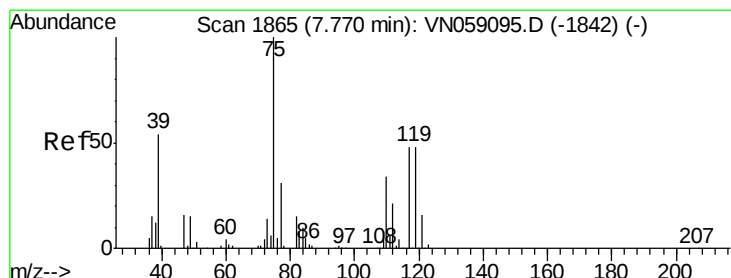
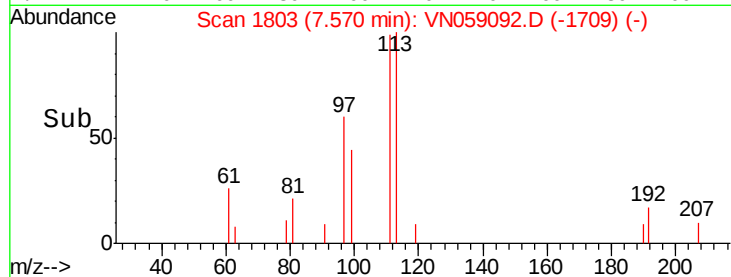
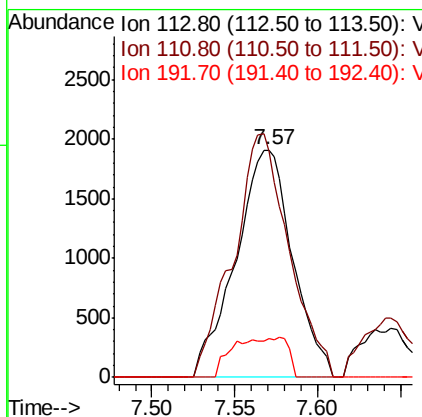
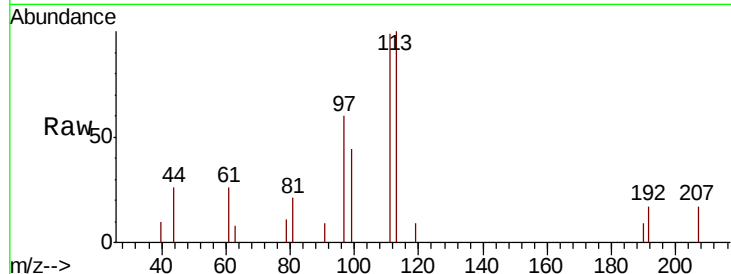




#35
 Dibromofluoromethane
 Concen: 0.984 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

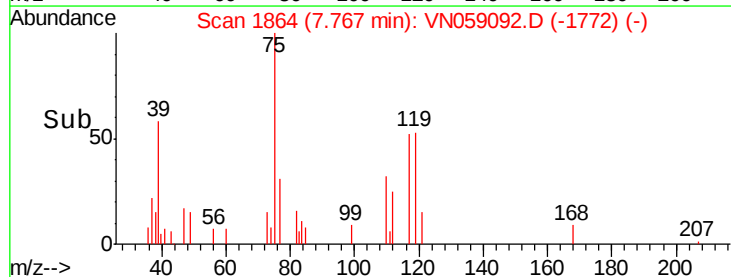
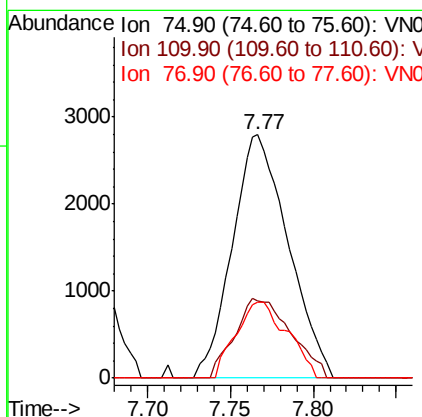
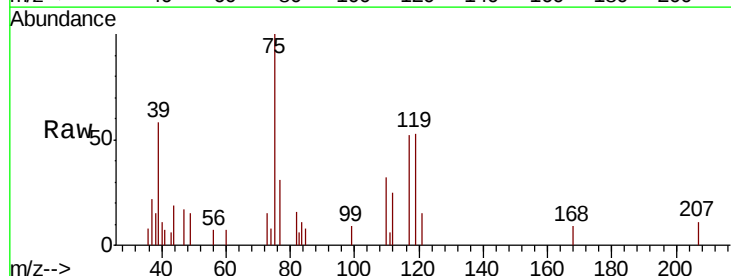
Instrument :
 MSVOA_N
 ClientSampled :

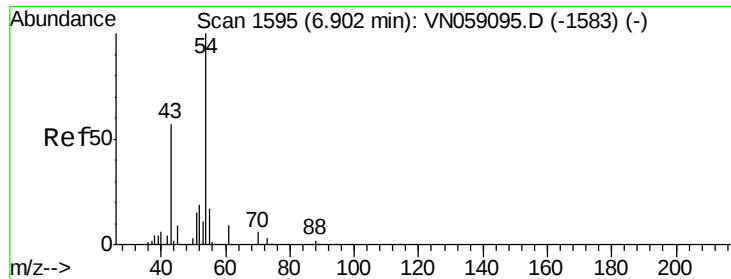
Tot Ion:113 Resp: 4548
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.8 124.2
 192 16.8 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 0.904 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

Tgt Ion: 75 Resp: 6536
 Ion Ratio Lower Upper
 75 100
 110 33.0 17.1 51.2
 77 28.5 24.8 37.2

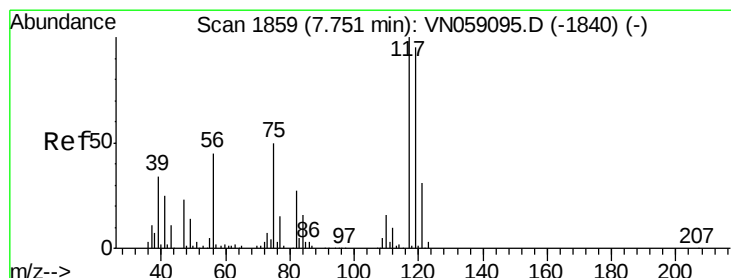
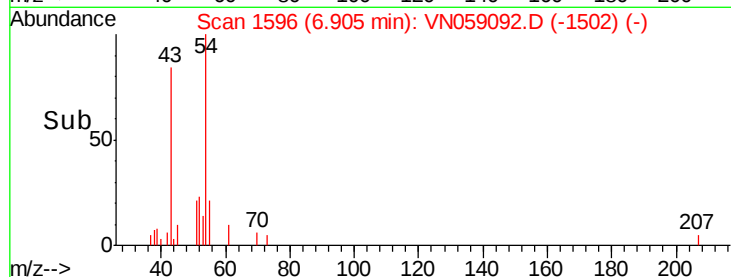
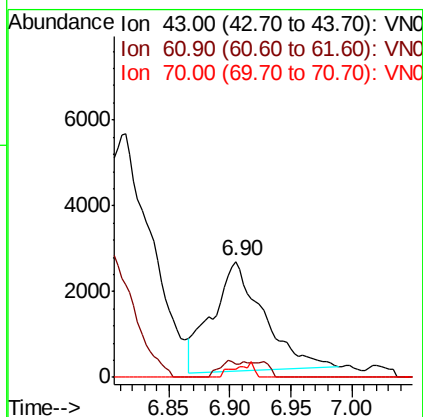
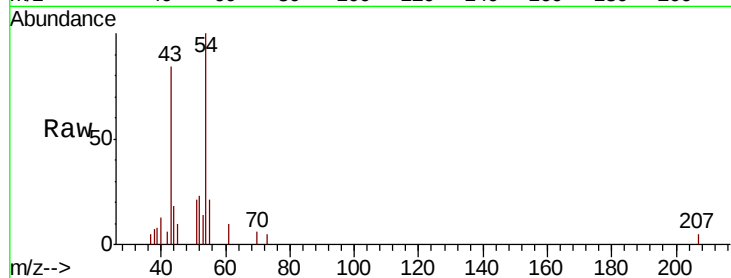




#37
Ethyl Acetate
Concen: 0.922 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

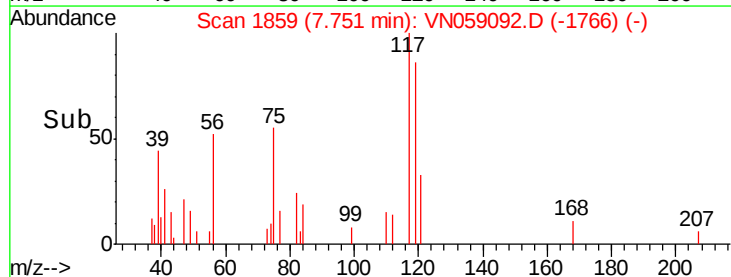
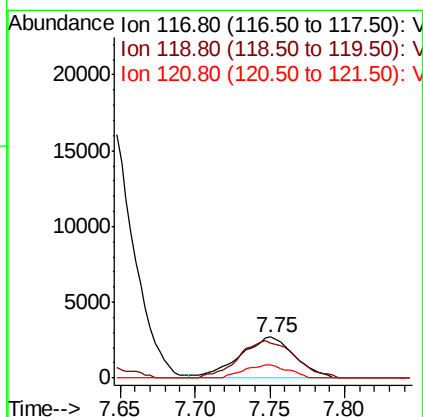
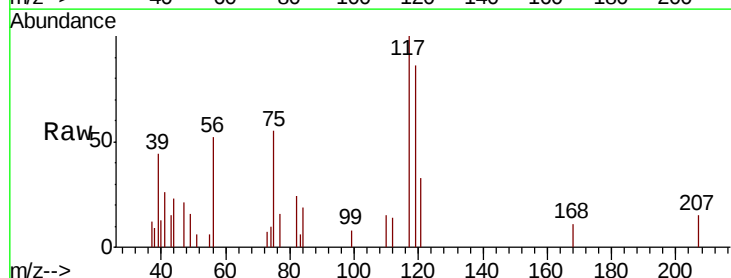
Instrument :
MSVOA_N
ClientSampleId :

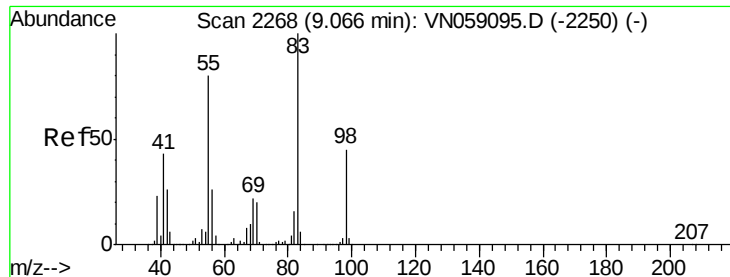
Tot Ion: 43 Resp: 7415
Ion Ratio Lower Upper
43 100
61 5.9 11.2 16.8#
70 5.3 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 0.984 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion: 117 Resp: 6940
Ion Ratio Lower Upper
117 100
119 86.4 75.6 113.4
121 32.6 24.6 36.8

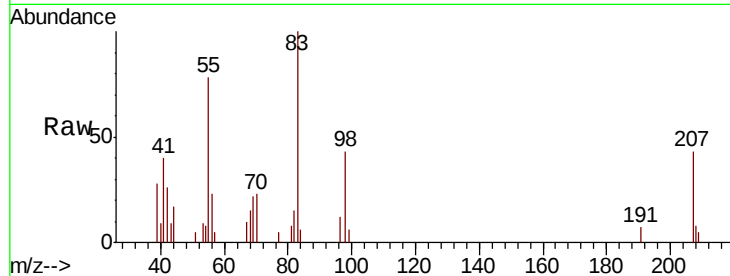




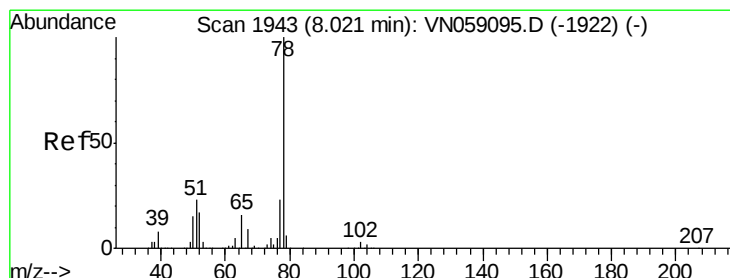
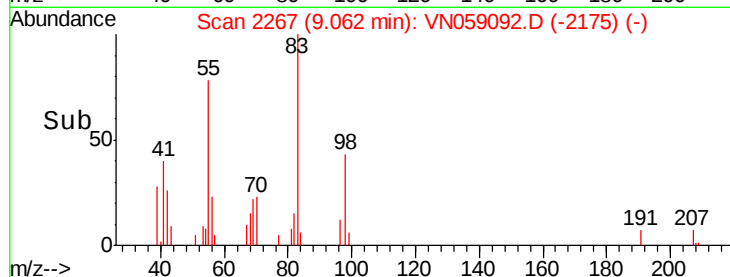
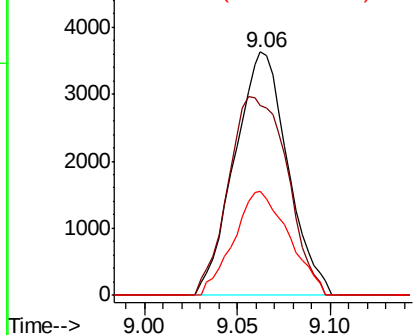
#39
Methvlcvclohexane
Concen: 0.866 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 7214
Ion Ratio Lower Upper
83 100
55 78.1 63.9 95.9
98 42.9 35.6 53.4

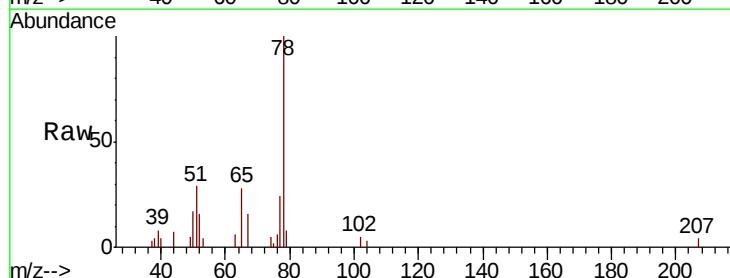


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

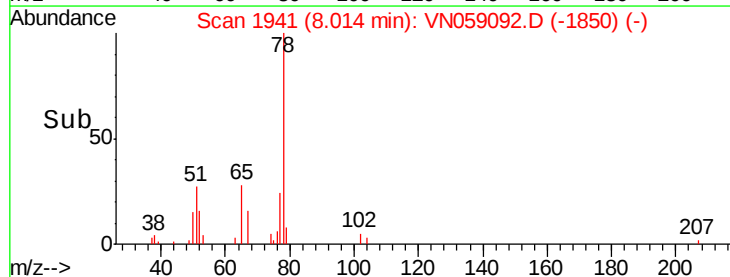
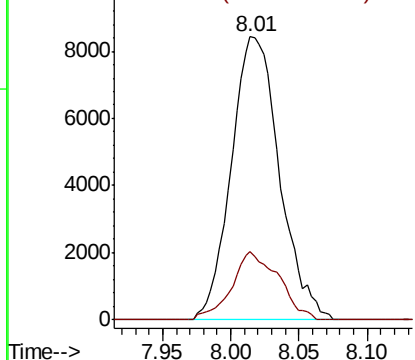


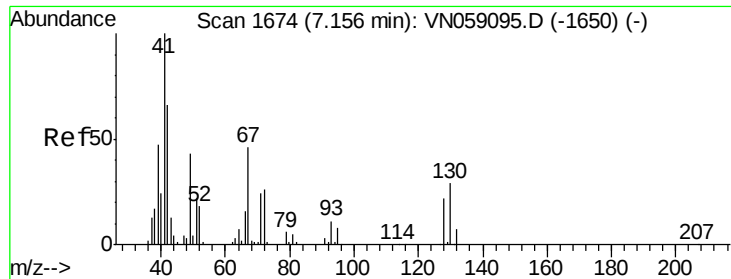
#40
Benzene
Concen: 0.963 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion: 78 Resp: 20719
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

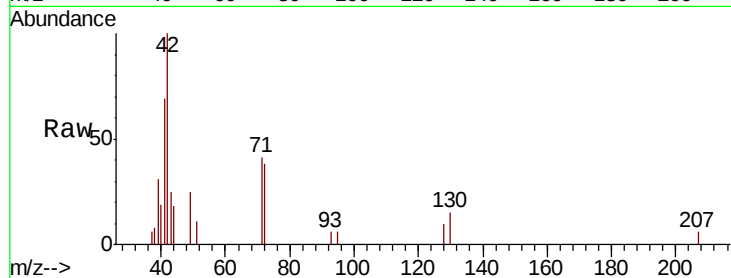




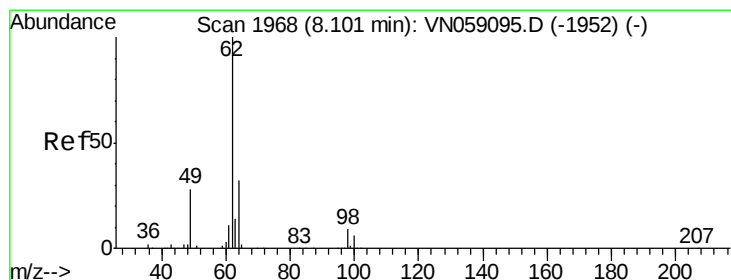
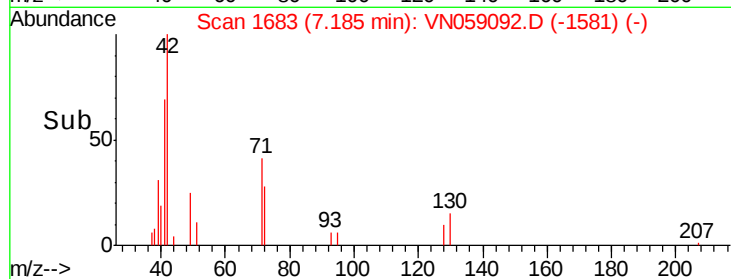
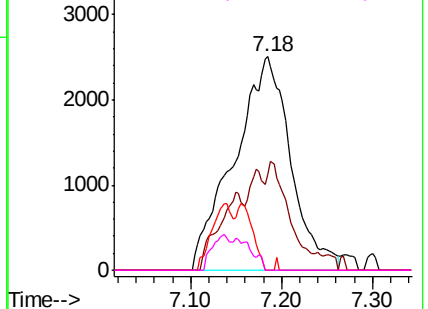
#41
Methacrylonitrile
Concen: 3.099 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	10836
Ion	Ratio	Lower	Upper
41	100		
39	4.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

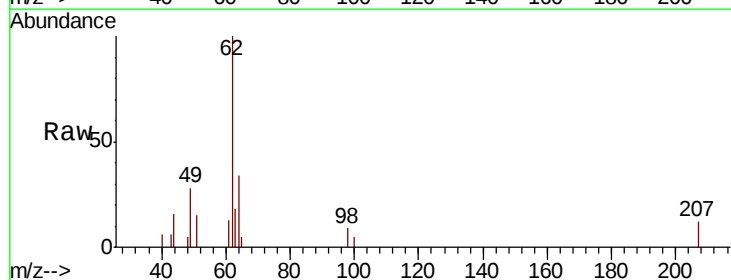


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

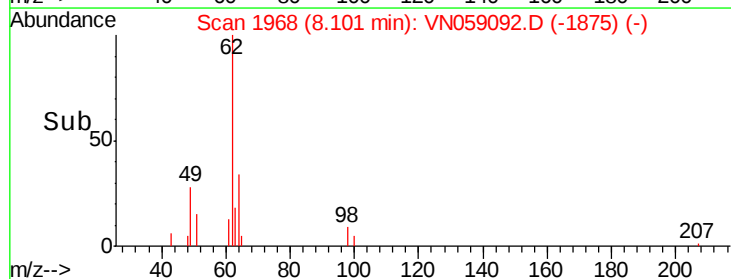
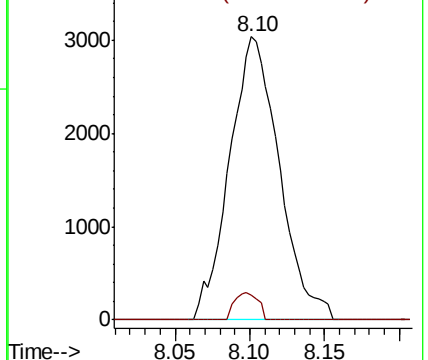


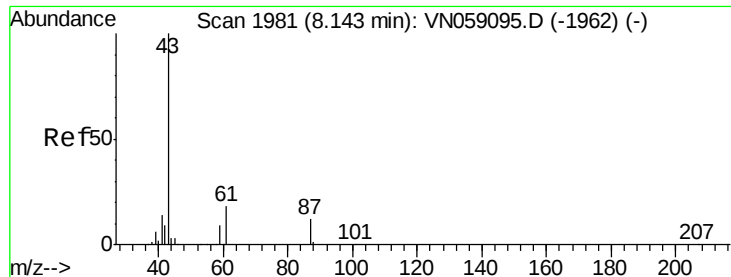
#42
1,2-Dichloroethane
Concen: 0.939 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion:	62	Resp:	7022
Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	17.8



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

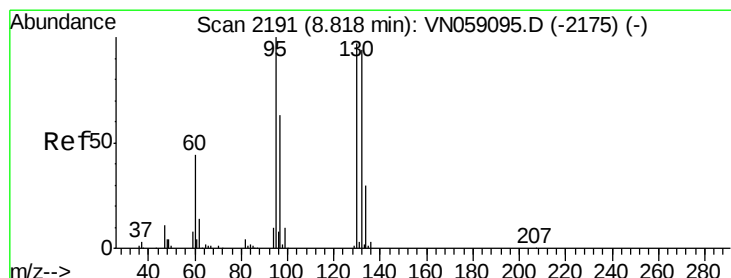
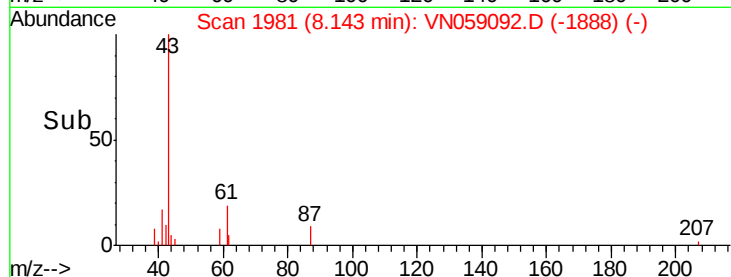
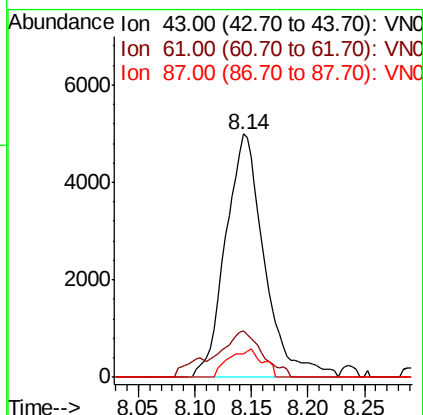
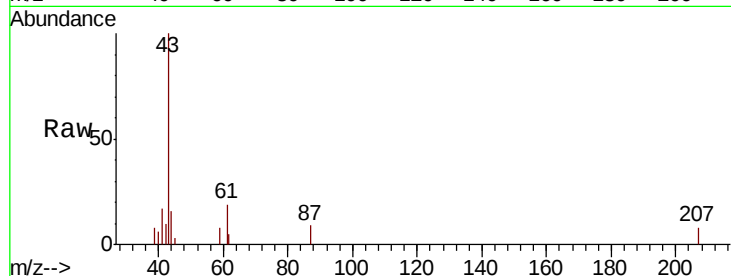




#43
Isopropyl Acetate
Concen: 0.948 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

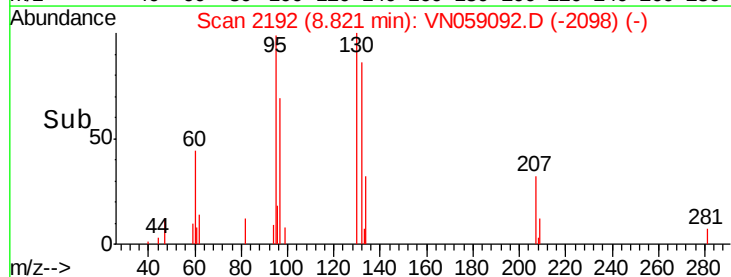
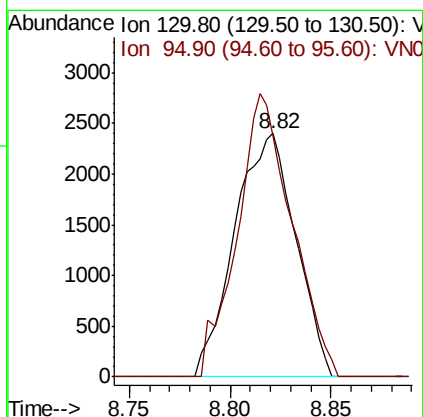
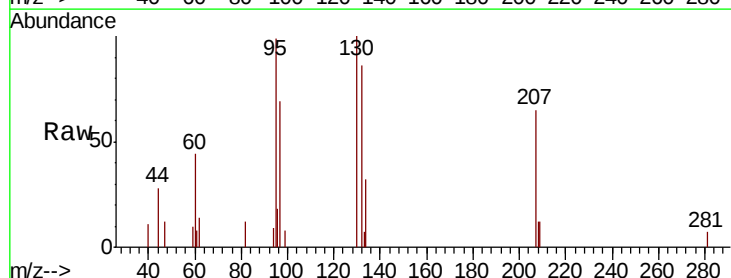
Instrument :
MSVOA_N
ClientSampleId :

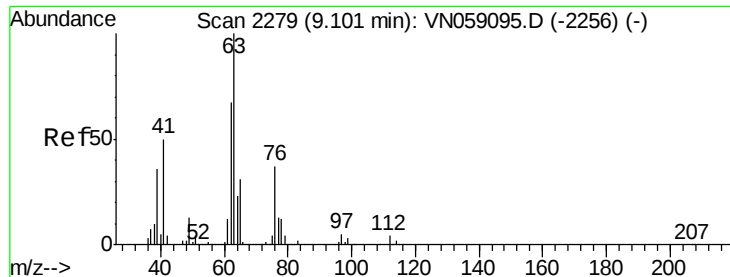
Tot Ion: 43 Resp: 11892
Ion Ratio Lower Upper
43 100
61 19.3 21.0 31.6#
87 10.2 9.8 14.6



#44
Trichloroethene
Concen: 0.956 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion:130 Resp: 5064
Ion Ratio Lower Upper
130 100
95 99.0 0.0 206.4





#45

1,2-Dichloropropane

Concen: 0.952 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

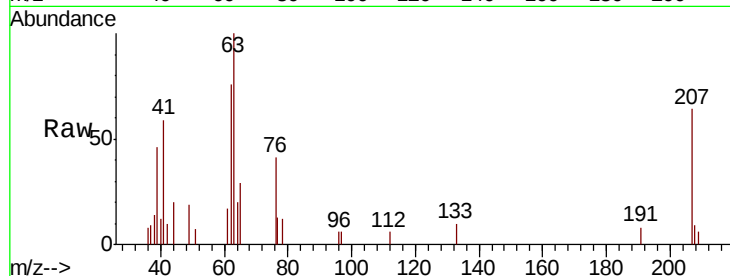
ClientSampleId :

Tot Ion: 63 Resp: 5541

Ion Ratio Lower Upper

63 100

65 28.9 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN059095.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN059095.D (-2256) (-)

9.10

2500

2000

1500

1000

500

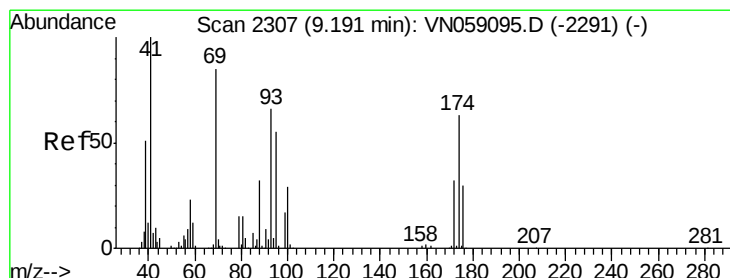
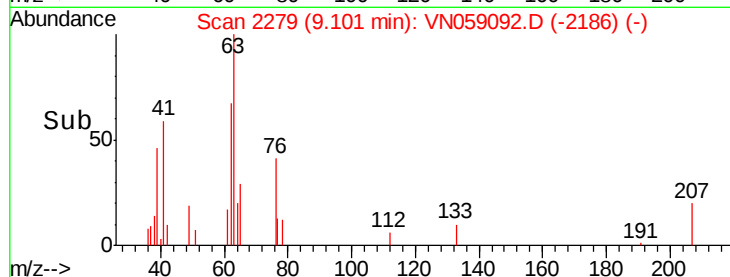
0

9.05

9.10

9.15

Time-->



#46

Dibromomethane

Concen: 1.049 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

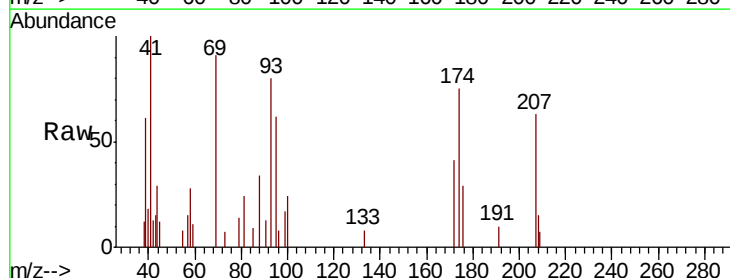
Tgt Ion: 93 Resp: 3770

Ion Ratio Lower Upper

93 100

95 79.2 66.6 100.0

174 92.3 78.2 117.2



Abundance Ion 92.80 (92.50 to 93.50): VN059095.D (-2291) (-)

Ion 94.80 (94.50 to 95.50): VN059095.D (-2291) (-)

Ion 173.70 (173.40 to 174.40): VN059095.D (-2291) (-)

9.19

2500

2000

1500

1000

500

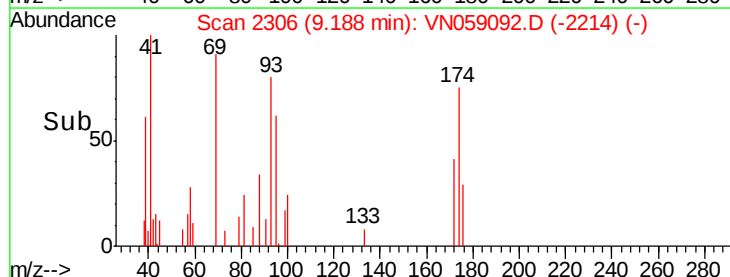
0

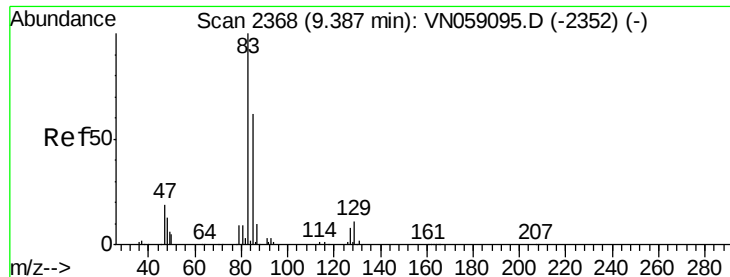
9.15

9.20

9.25

Time-->





#47

Bromodichloromethane

Concen: 0.931 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

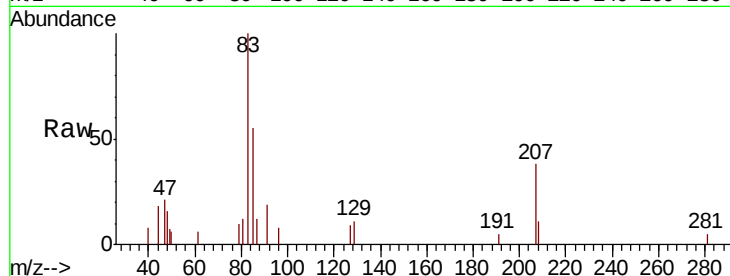
Tot Ion: 83 Resp: 6791

Ion Ratio Lower Upper

83 100

85 54.9 49.7 74.5

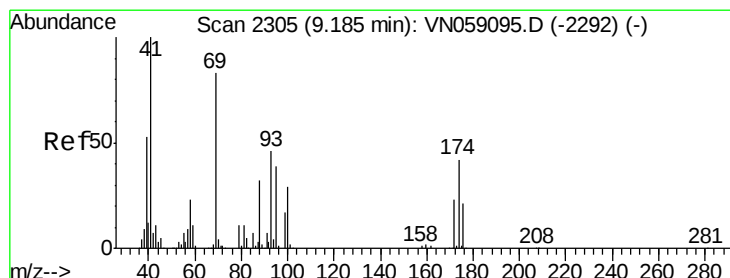
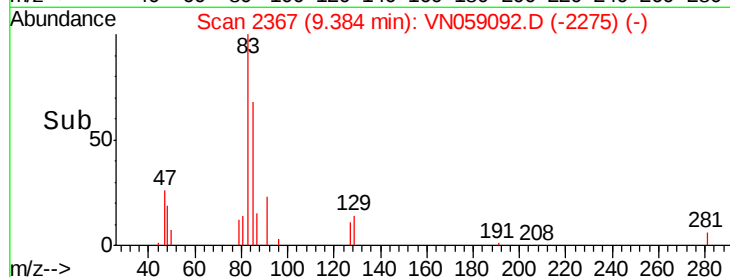
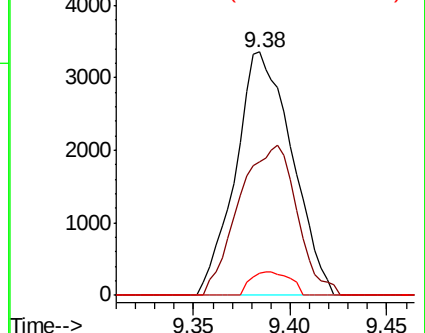
127 9.1 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN059092.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059092.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059092.D (-2275) (-)



#48

Methyl methacrylate

Concen: 0.884 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

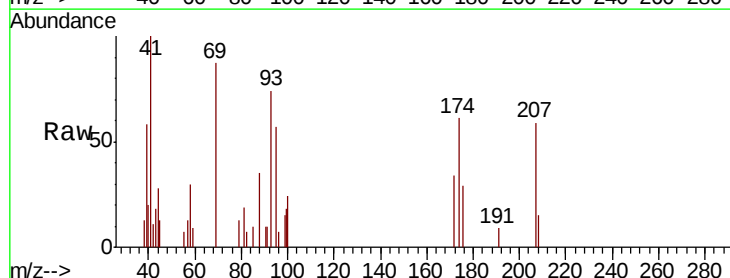
Tgt Ion: 41 Resp: 5062

Ion Ratio Lower Upper

41 100

69 77.4 67.3 100.9

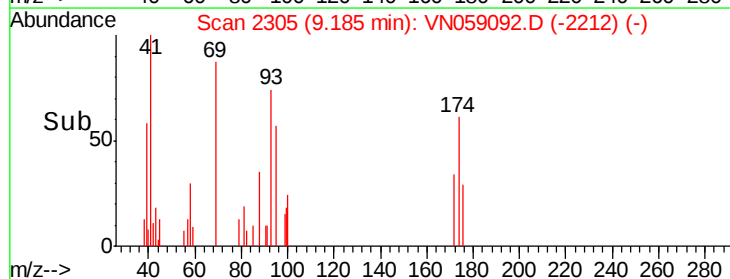
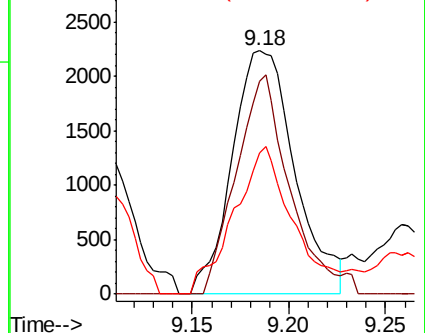
39 57.0 43.3 64.9



Abundance Ion 41.00 (40.70 to 41.70): VN059092.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059092.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059092.D (-2212) (-)

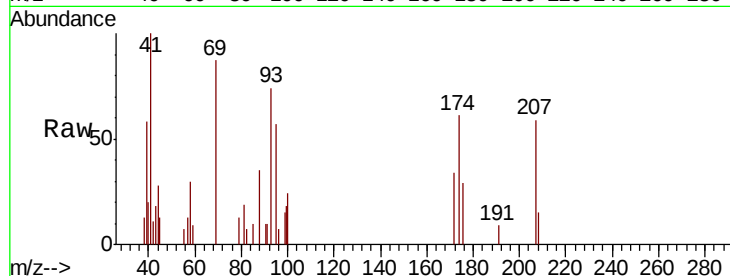




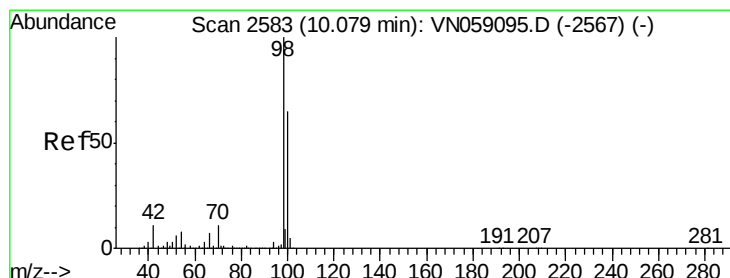
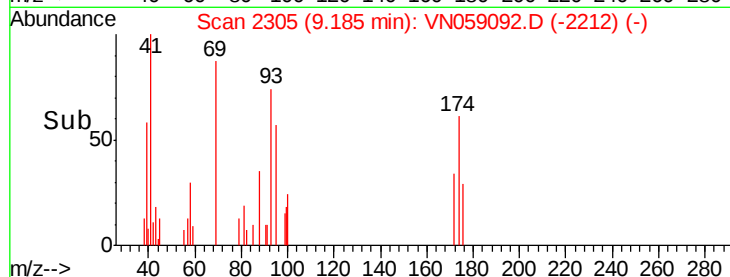
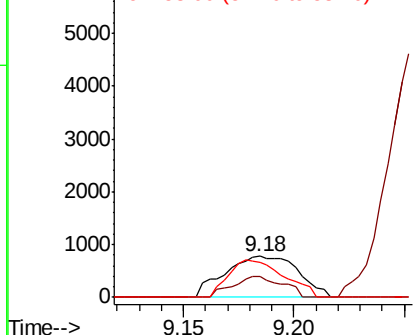
#49
1,4-Dioxane
Concen: 19.270 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 1788
Ion Ratio Lower Upper
88 100
43 34.7 26.3 39.5
58 68.8 60.6 90.8

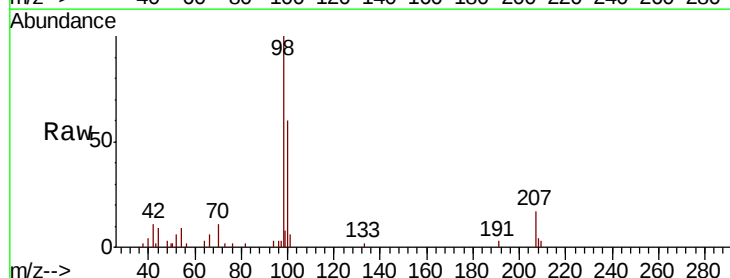


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

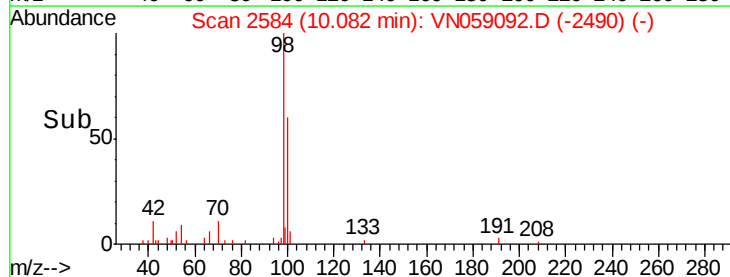
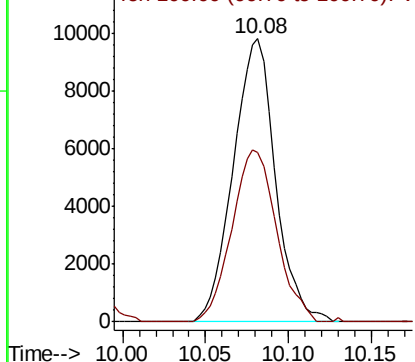


#50
Toluene-d8
Concen: 0.967 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion: 98 Resp: 17350
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



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

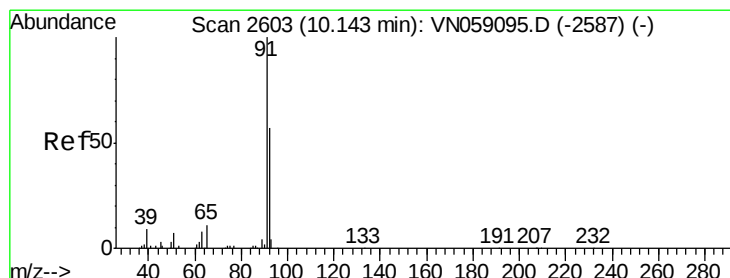
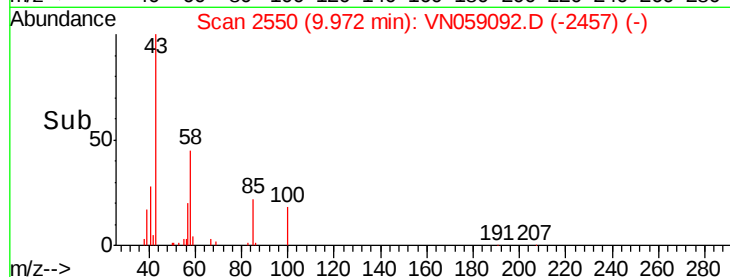
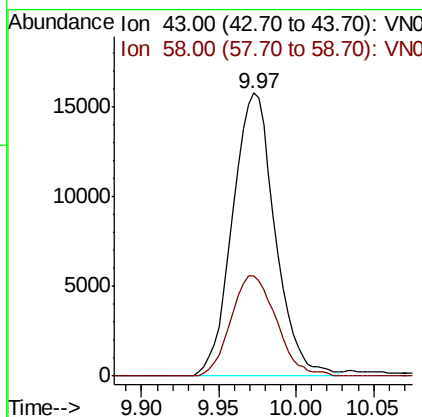
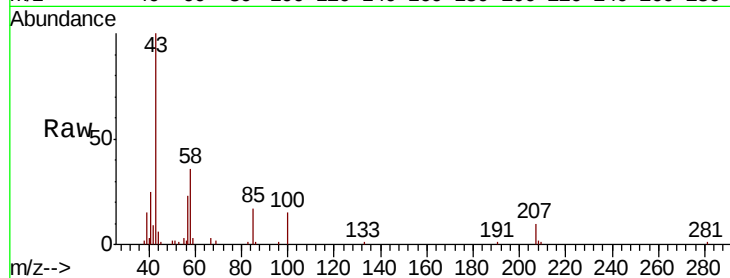




#51
 4-Methyl-2-Pentanone
 Concen: 4.127 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

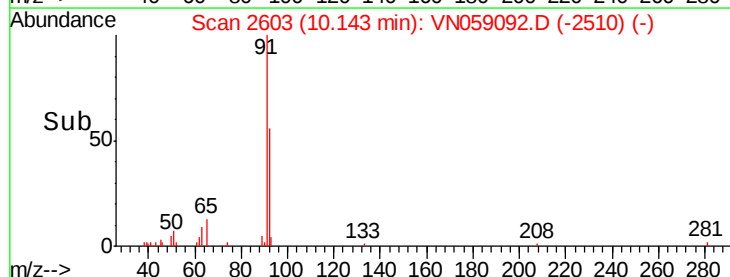
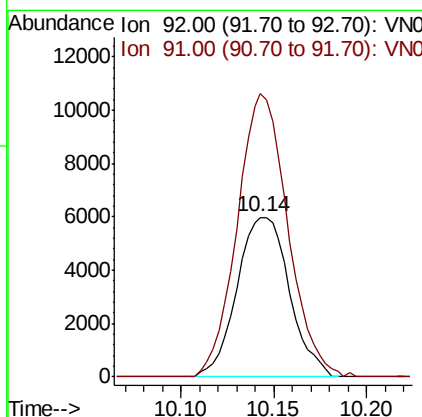
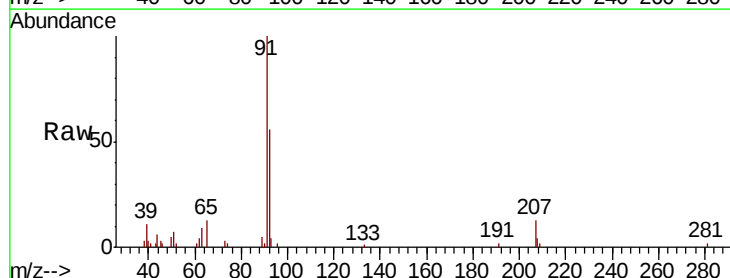
Instrument :
 MSVOA_N
 ClientSampleId :

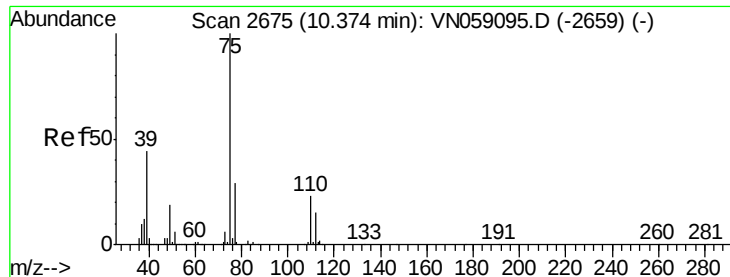
Tot Ion: 43 Resp: 30177
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.5 47.3



#52
 Toluene
 Concen: 0.938 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

Tgt Ion: 92 Resp: 11804
 Ion Ratio Lower Upper
 92 100
 91 170.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 0.937 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

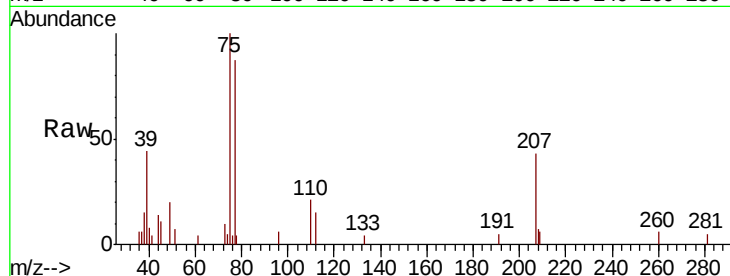
ClientSampleId :

Tot Ion: 75 Resp: 7883

Ion Ratio Lower Upper

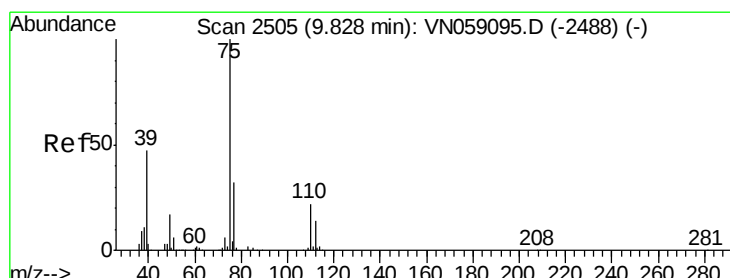
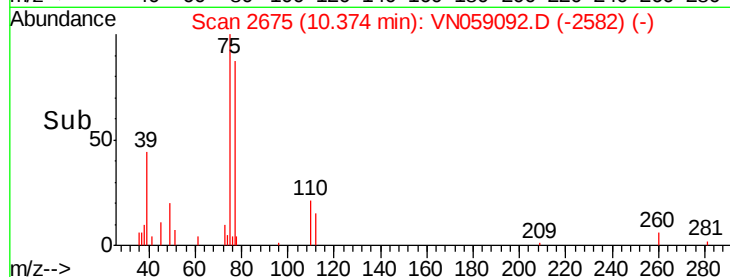
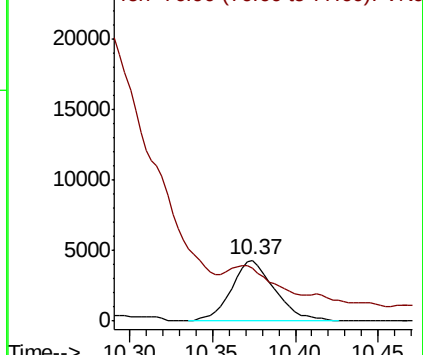
75 100

77 53.0 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.913 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

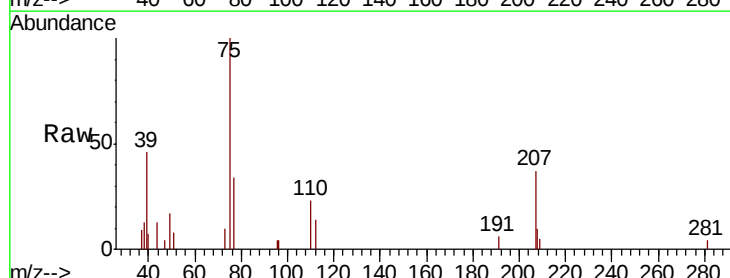
Tgt Ion: 75 Resp: 8095

Ion Ratio Lower Upper

75 100

77 34.4 25.5 38.3

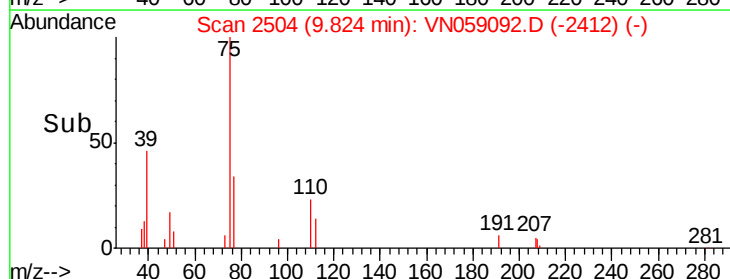
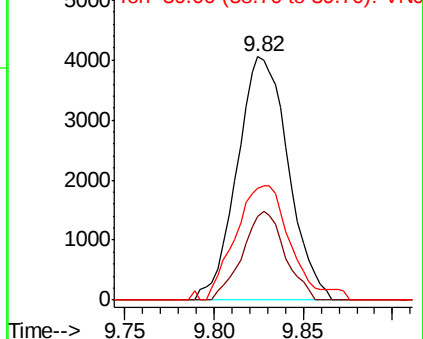
39 45.9 37.3 55.9

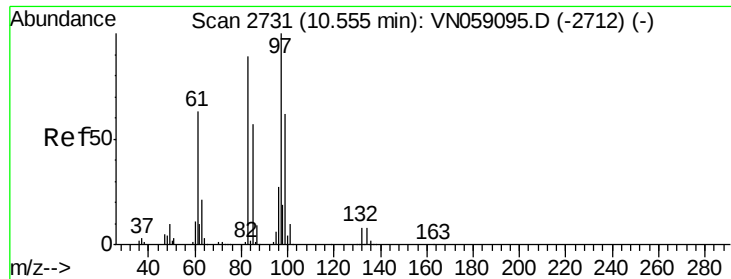


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 1.011 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 5199

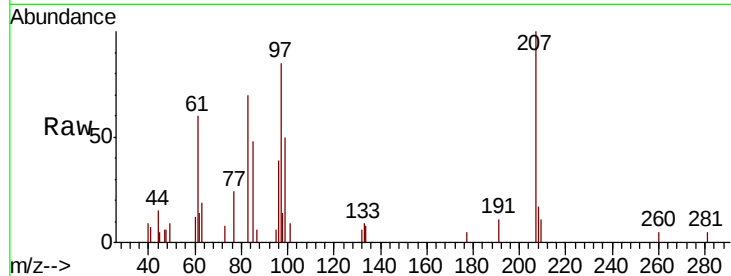
Ion Ratio Lower Upper

97 100

83 82.4 71.0 106.4

85 56.0 45.8 68.8

99 58.3 49.4 74.0



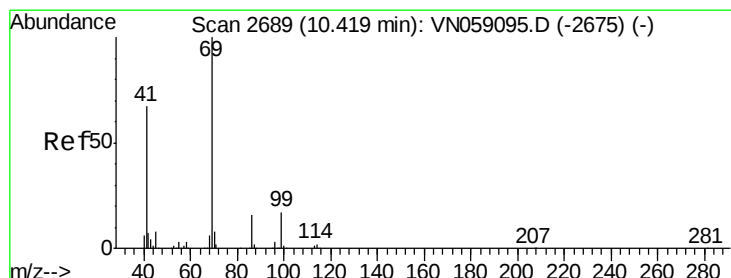
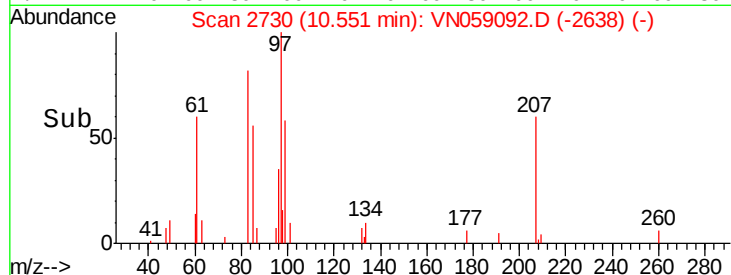
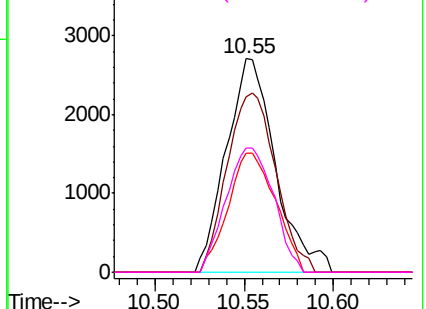
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 0.695 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

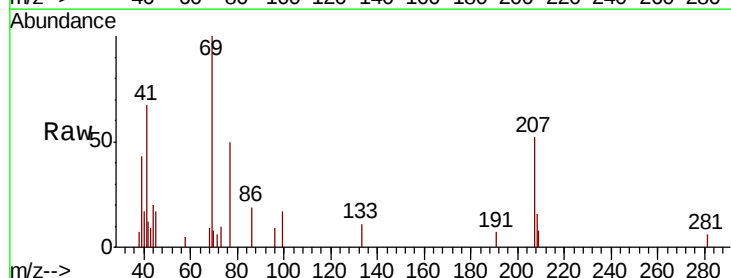
Tgt Ion: 69 Resp: 5373

Ion Ratio Lower Upper

69 100

41 83.0 53.6 80.4#

39 45.5 26.2 39.4#

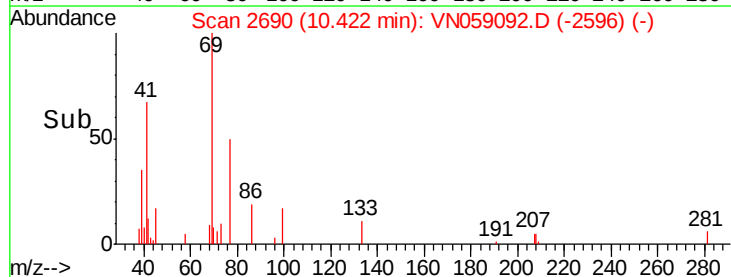
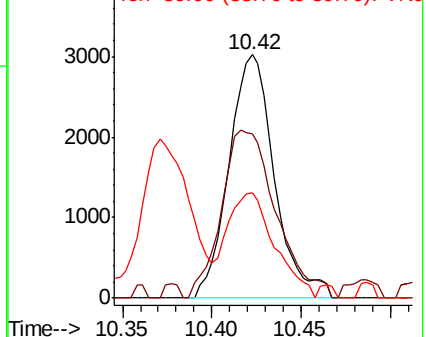


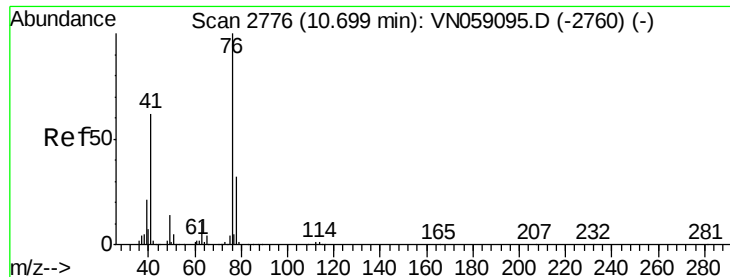
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

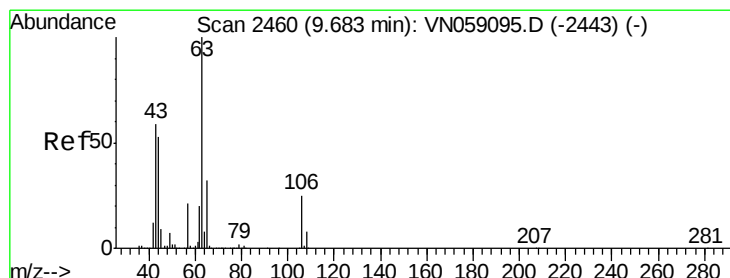
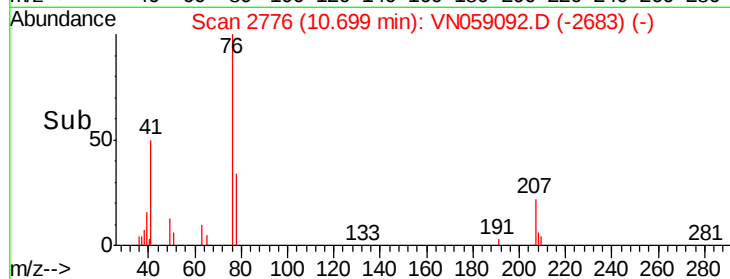
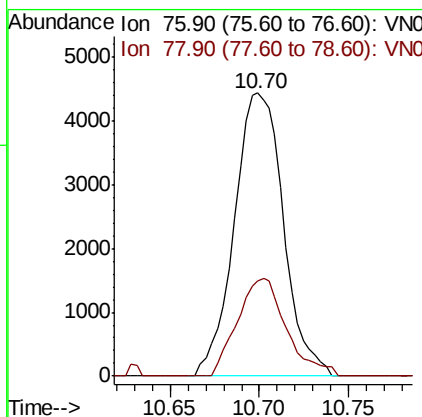
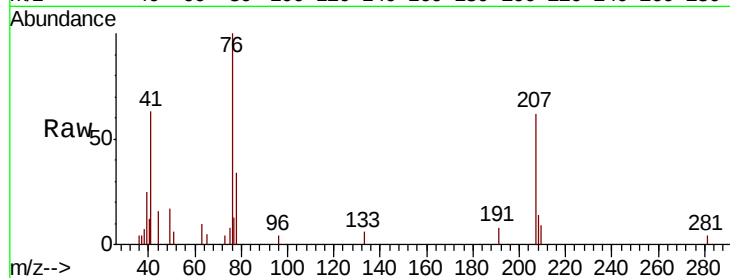




#57
 1,3-Dichloropropane
 Concen: 0.955 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

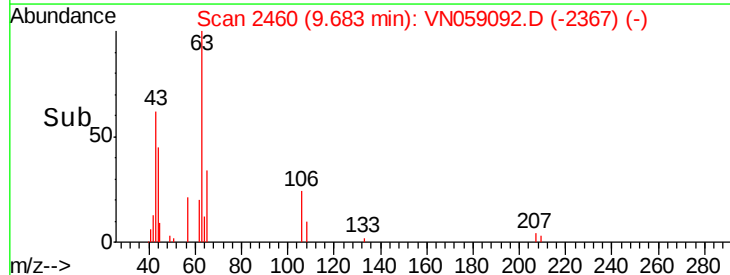
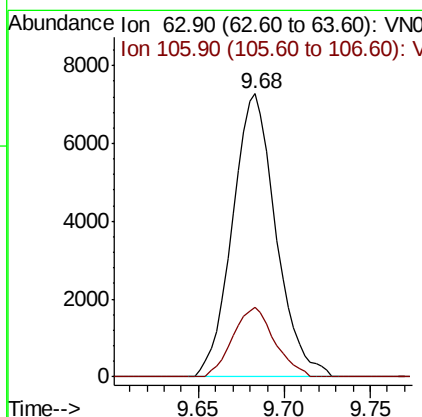
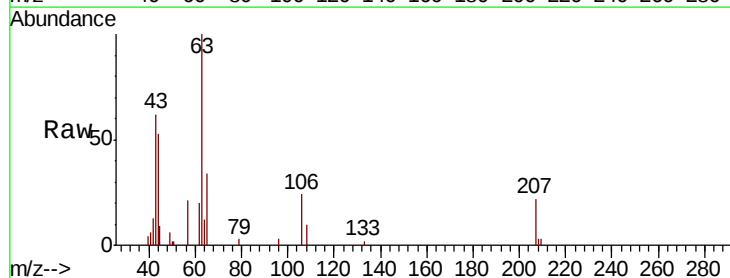
Instrument :
 MSVOA_N
 ClientSampled :

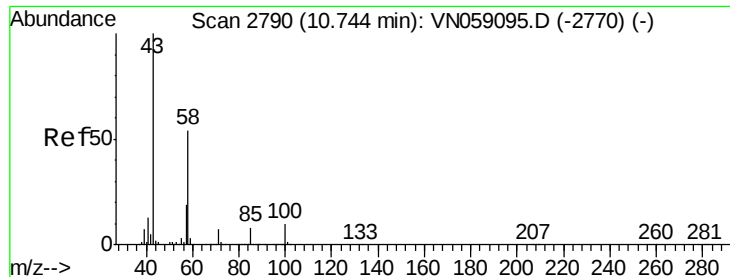
Tot Ion: 76 Resp: 8532
 Ion Ratio Lower Upper
 76 100
 78 34.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.184 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

Tgt Ion: 63 Resp: 12842
 Ion Ratio Lower Upper
 63 100
 106 23.5 20.2 30.2

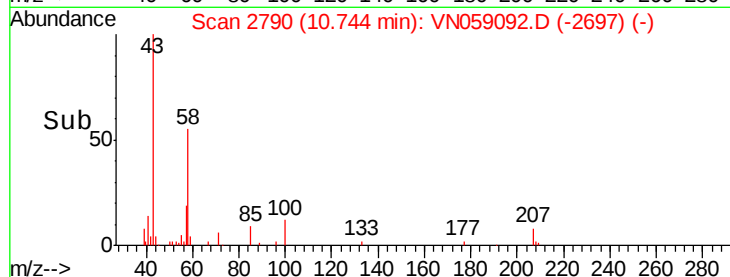
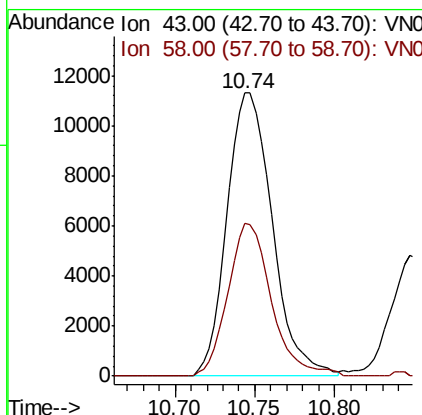
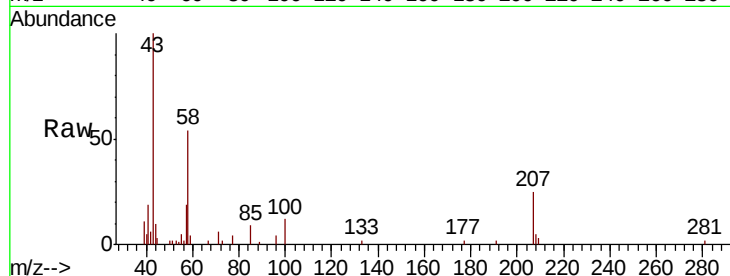




#59
2-Hexanone
Concen: 3.946 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

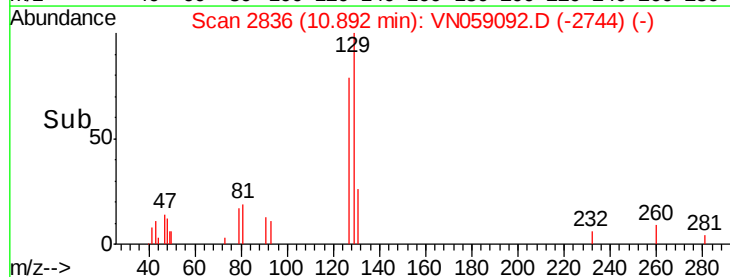
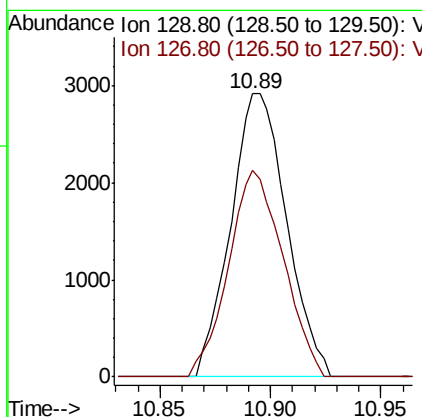
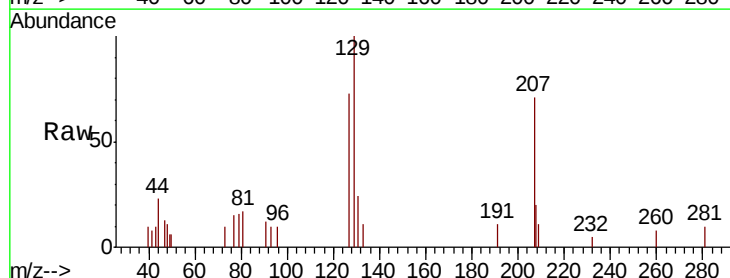
Instrument :
MSVOA_N
ClientSampled :

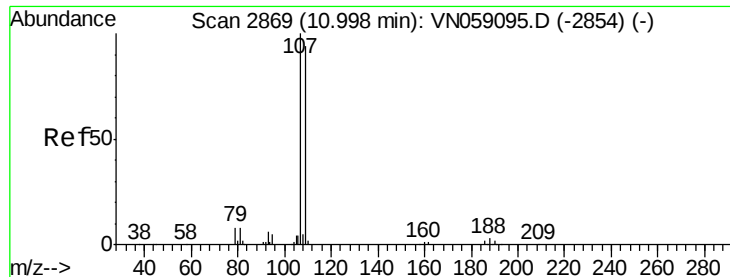
Tot Ion: 43 Resp: 21918
Ion Ratio Lower Upper
43 100
58 51.7 27.3 81.8



#60
Dibromochloromethane
Concen: 0.929 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion: 129 Resp: 5134
Ion Ratio Lower Upper
129 100
127 71.1 38.6 115.8

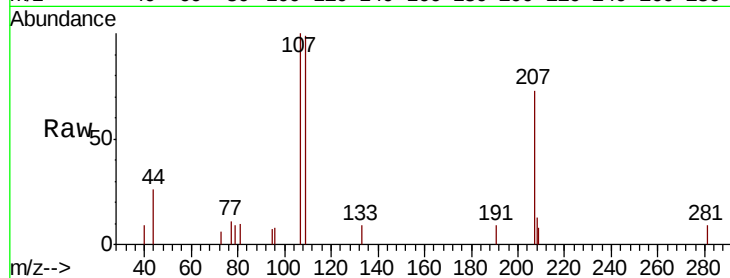




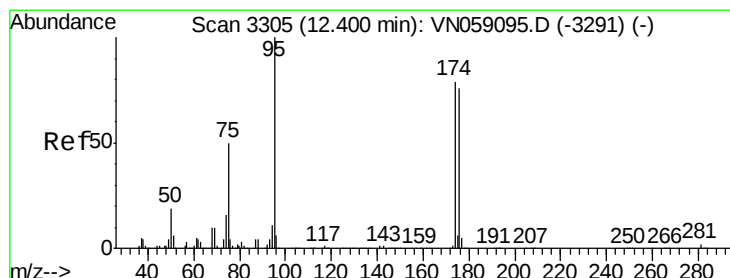
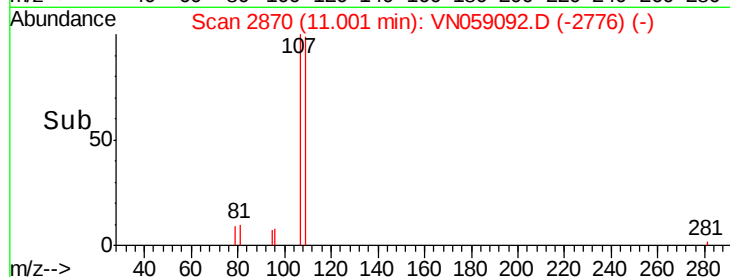
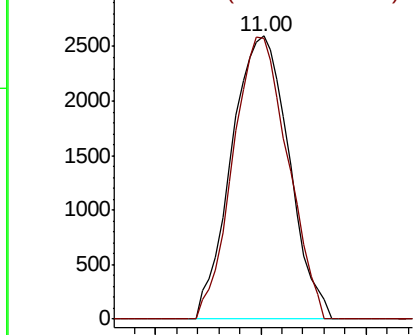
#61
 1,2-Dibromoethane
 Concen: 0.945 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 4907
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.5 113.3

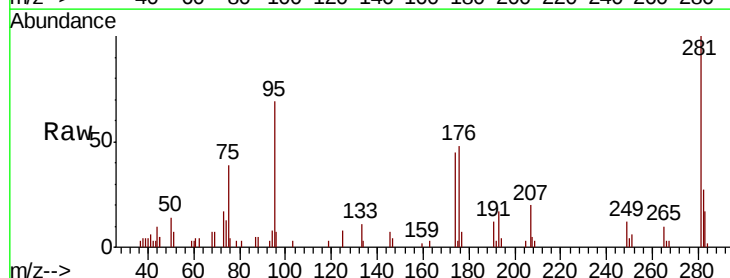


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

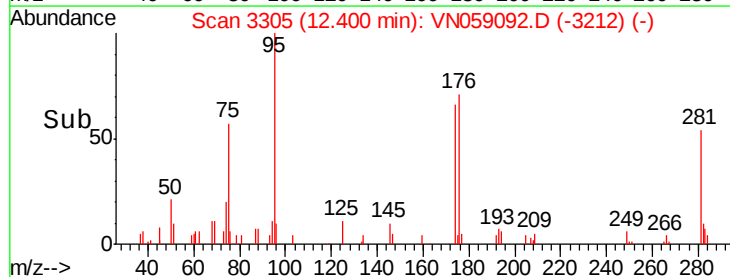
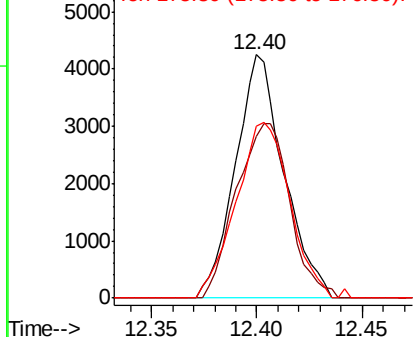


#62
 4-Bromofluorobenzene
 Concen: 1.057 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

Tgt Ion: 95 Resp: 6792
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 158.2
 176 80.0 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

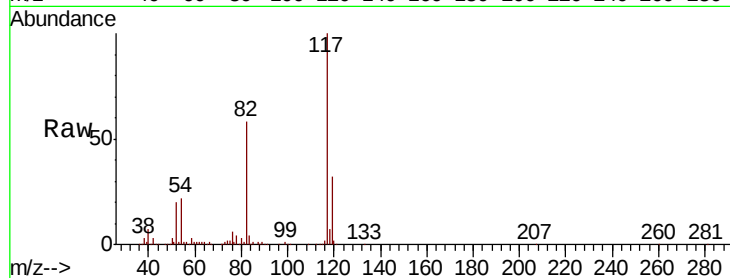
Tot Ion:117 Resp: 636267

Ion Ratio Lower Upper

117 100

82 58.2 45.8 68.8

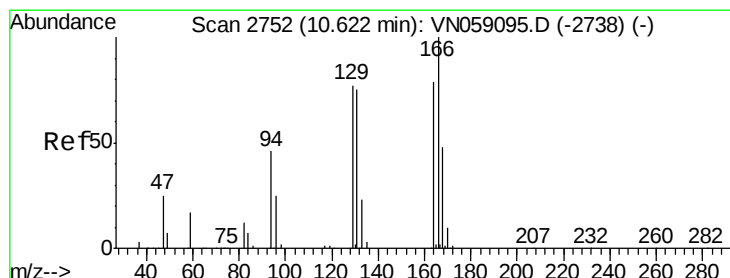
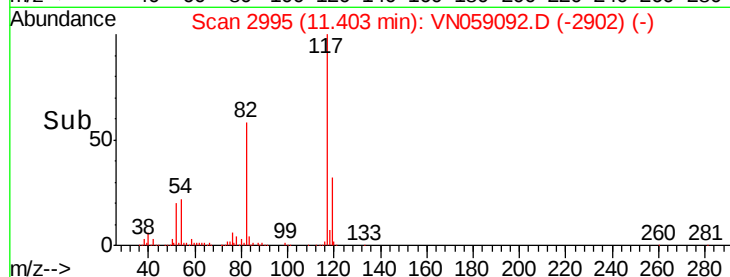
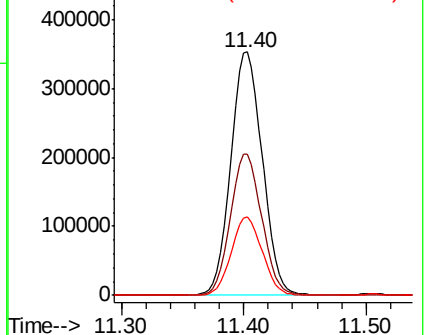
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 1.041 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Tgt Ion:164 Resp: 4623

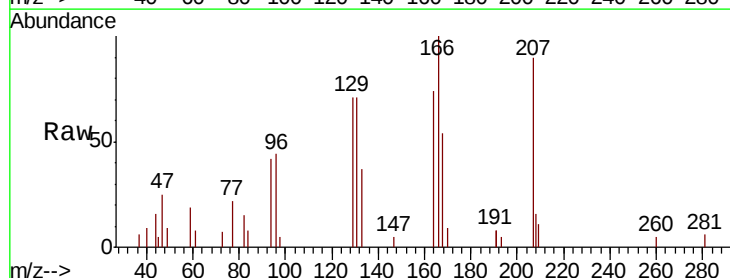
Ion Ratio Lower Upper

164 100

166 135.0 101.5 152.3

129 95.9 78.3 117.5

131 96.3 75.9 113.9

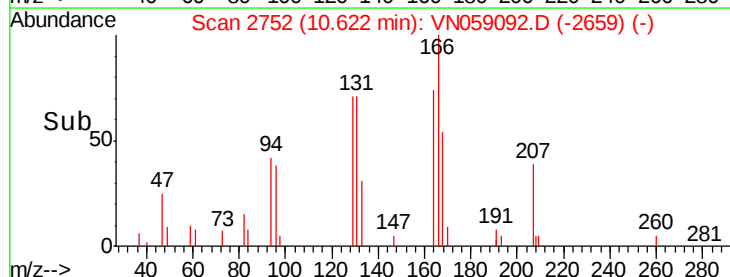
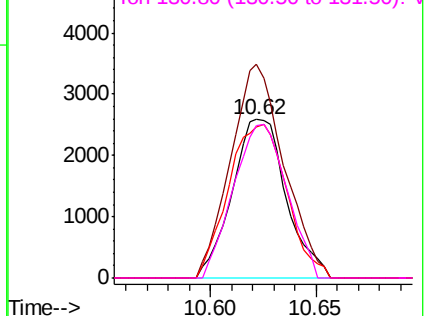


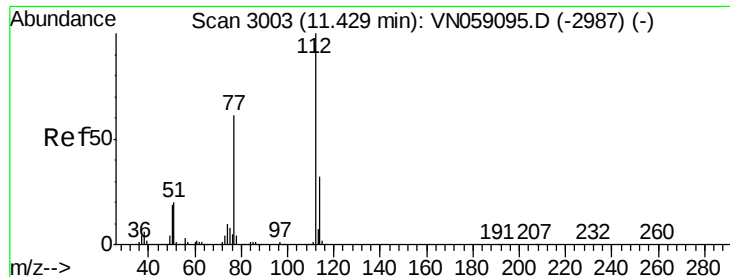
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

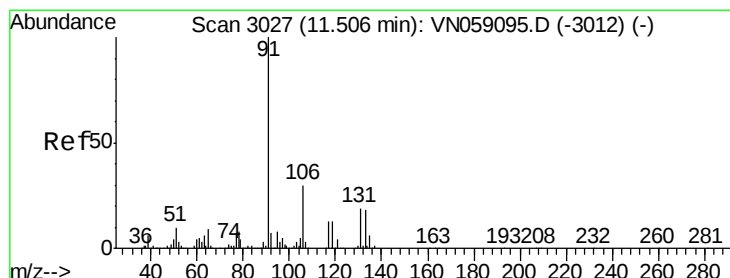
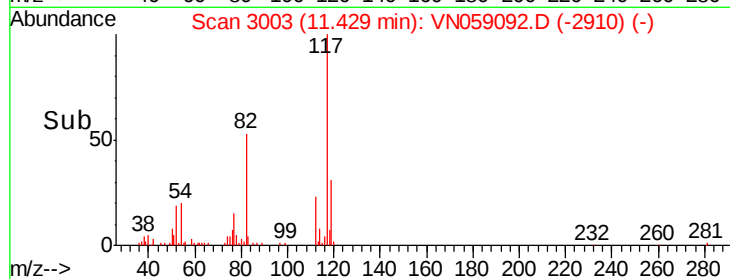
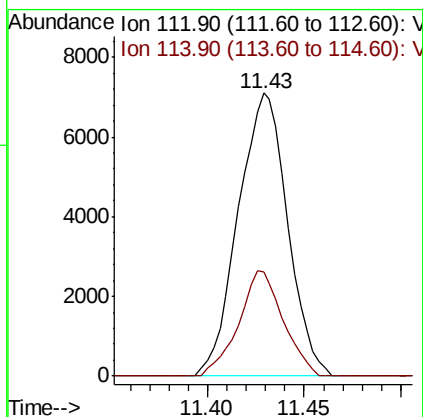
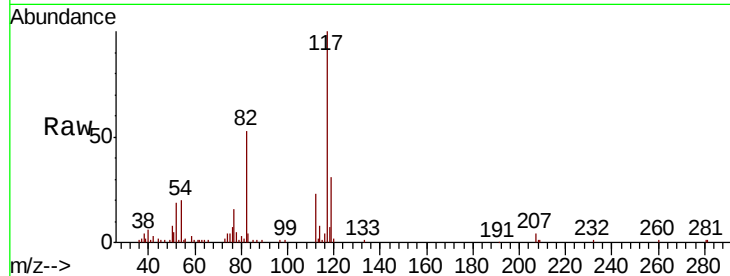




#65
Chlorobenzene
Concen: 0.967 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

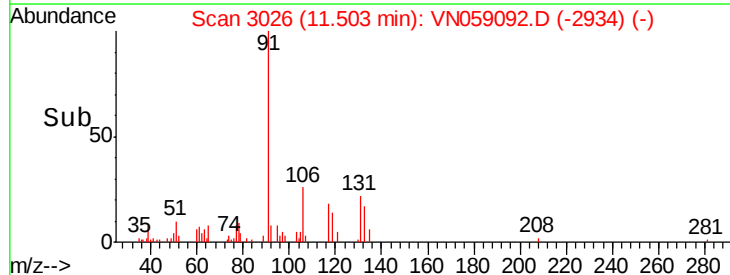
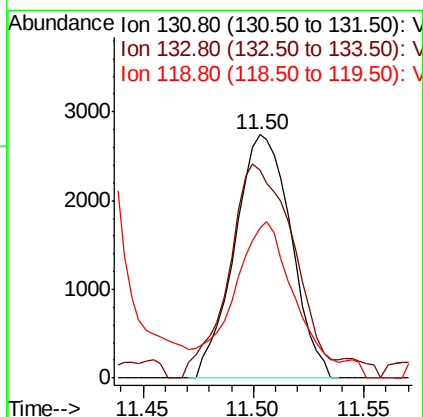
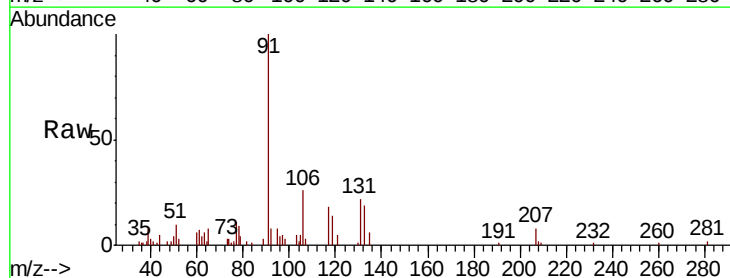
Instrument :
MSVOA_N
ClientSampled :

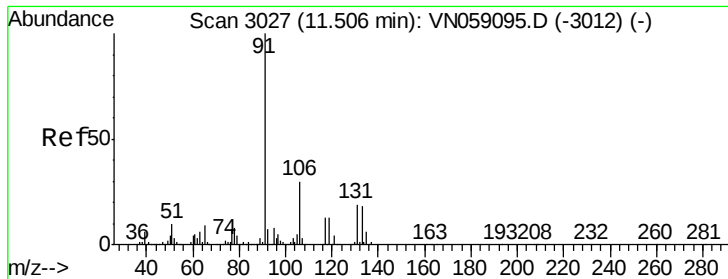
Tot Ion:112 Resp: 12582
Ion Ratio Lower Upper
112 100
114 36.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.011 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion:131 Resp: 4846
Ion Ratio Lower Upper
131 100
133 102.1 47.4 142.3
119 0.0 33.2 99.6#





#67

Ethyl Benzene

Concen: 0.998 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

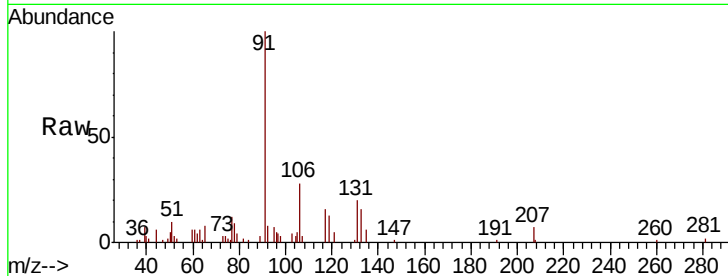
ClientSampled :

Tot Ion: 91 Resp: 22470

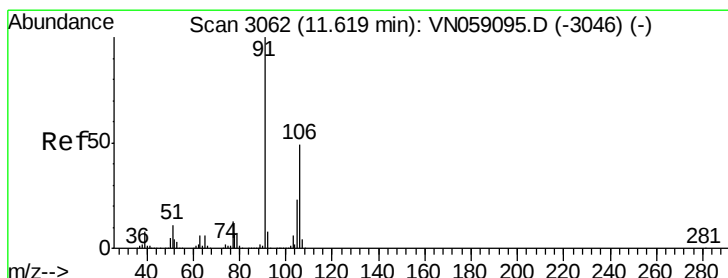
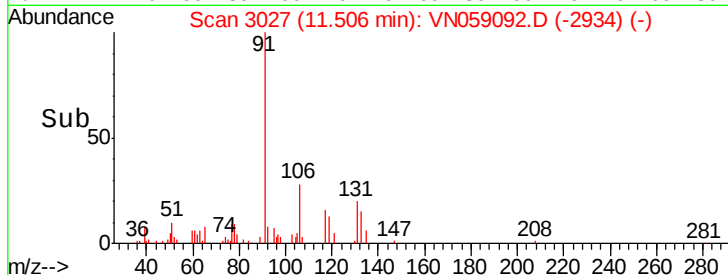
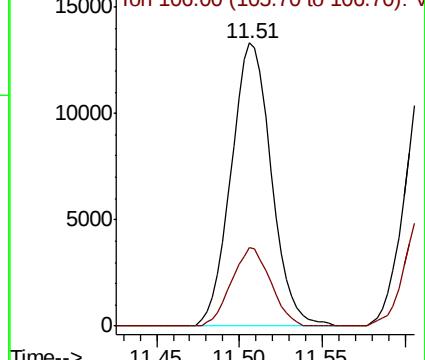
Ion Ratio Lower Upper

91 100

106 27.6 24.1 36.1



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



#68

m/p-Xylenes

Concen: 1.865 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059092.D

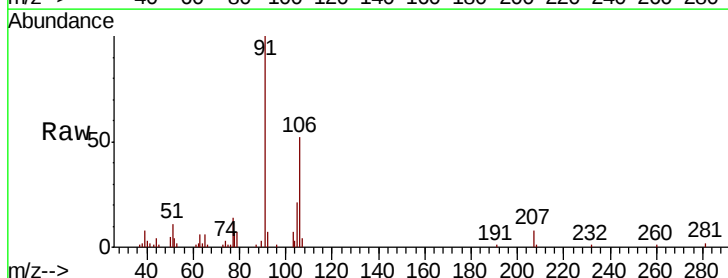
Acq: 6 Nov 2019 8:55

Tgt Ion: 106 Resp: 15703

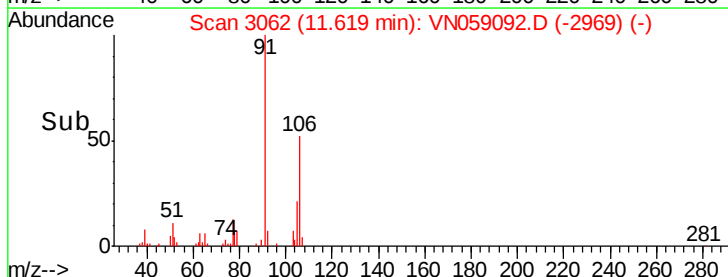
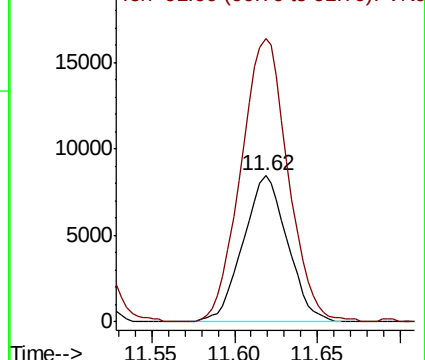
Ion Ratio Lower Upper

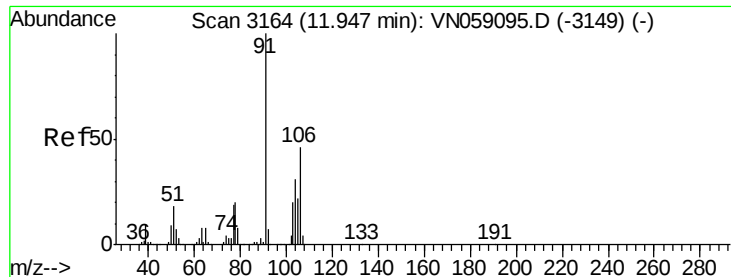
106 100

91 205.4 164.7 247.1



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

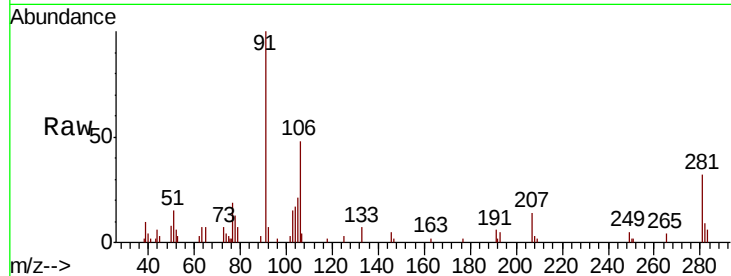




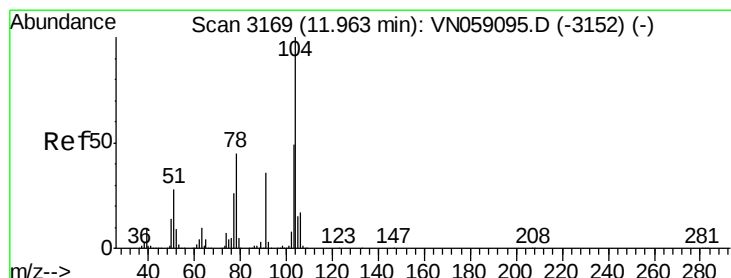
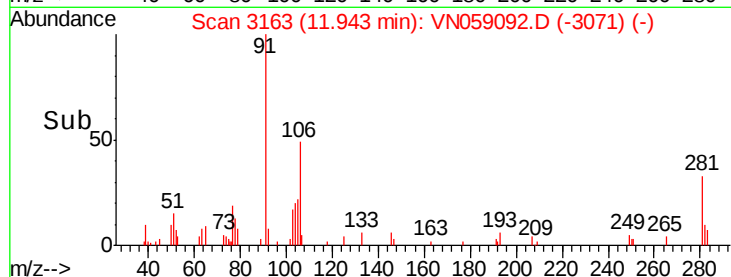
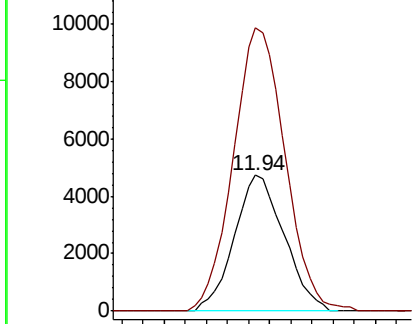
#69
o-Xylene
Concen: 0.969 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 7783
Ion Ratio Lower Upper
106 100
91 215.8 110.1 330.3

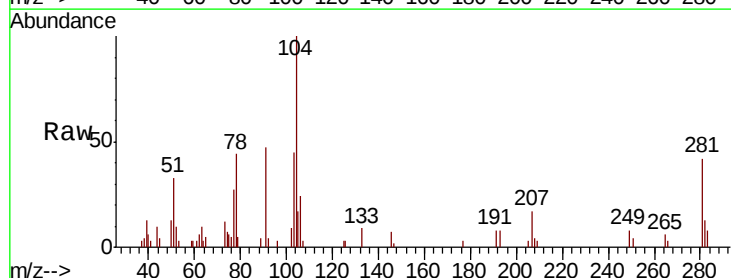


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

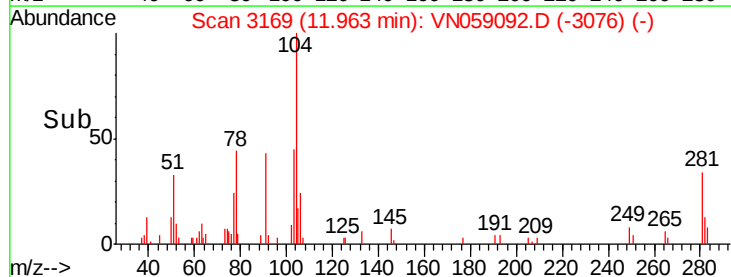
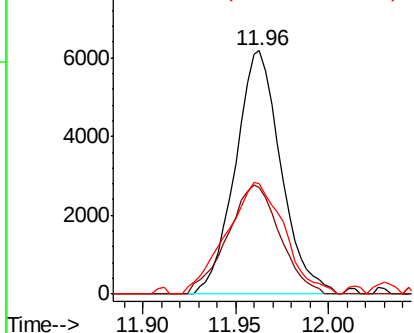


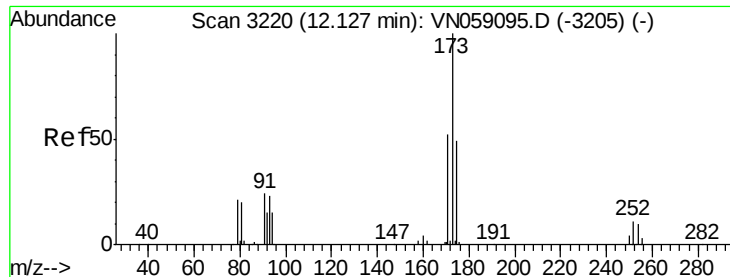
#70
Styrene
Concen: 0.814 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion:104 Resp: 10576
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 58.2 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.947 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

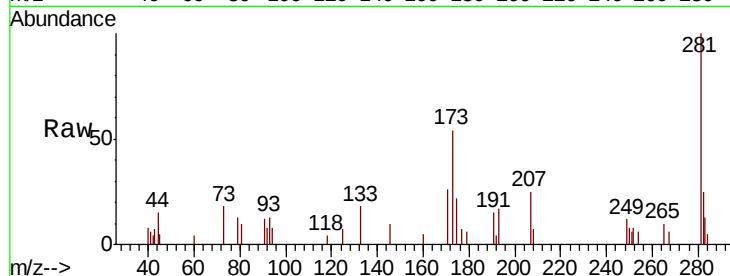
Tot Ion:173 Resp: 3509

Ion Ratio Lower Upper

173 100

175 44.9 24.2 72.6

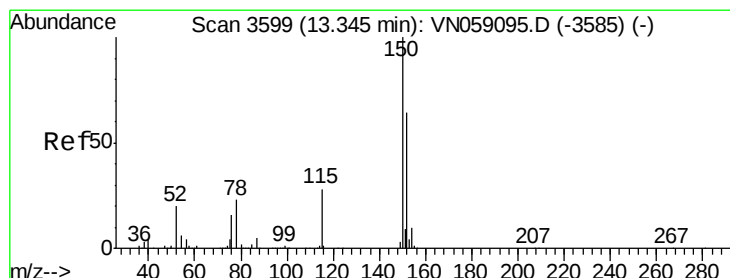
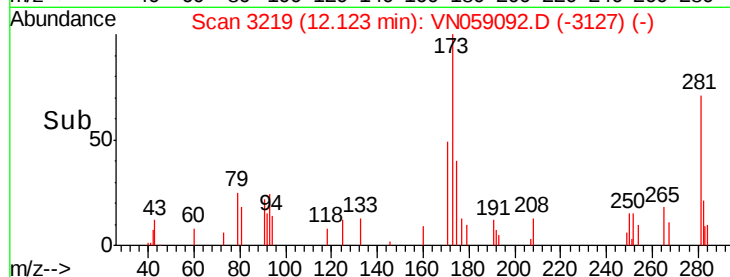
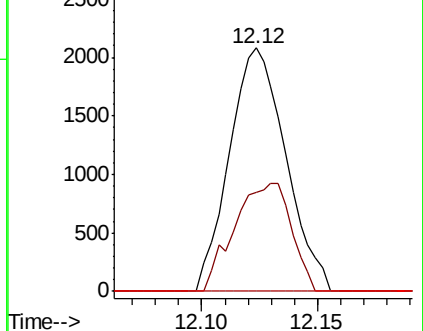
254 0.0 0.1 0.1#



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: VN059092.D

Acq: 6 Nov 2019 8:55

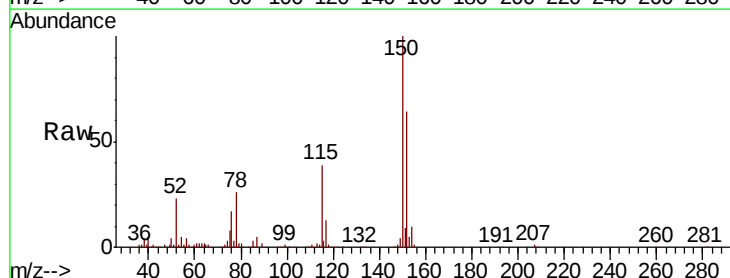
Tgt Ion:152 Resp: 240984

Ion Ratio Lower Upper

152 100

115 59.9 29.4 88.2

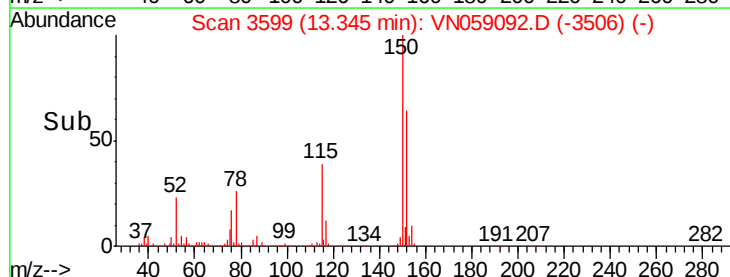
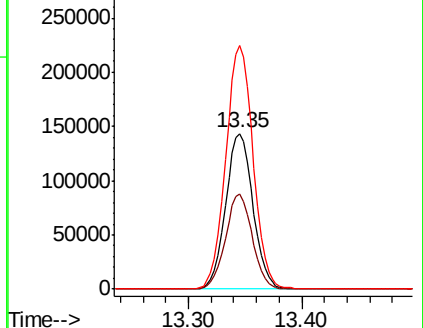
150 155.7 0.0 345.8

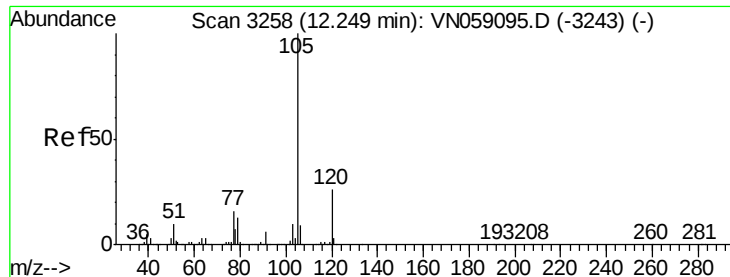


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.132 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

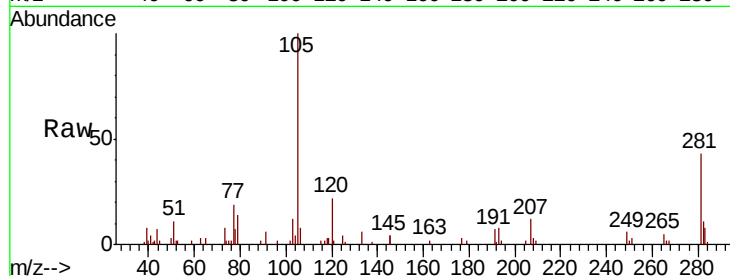
ClientSampled :

Tot Ion:105 Resp: 20024

Ion Ratio Lower Upper

105 100

120 23.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

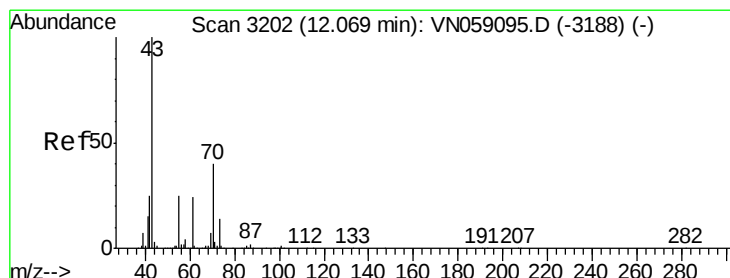
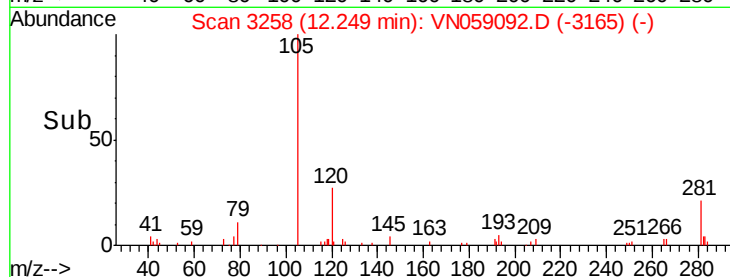
12.25

10000

5000

0

Time-->



#74

N-ethyl acetate

Concen: 0.829 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Tgt Ion: 43 Resp: 6488

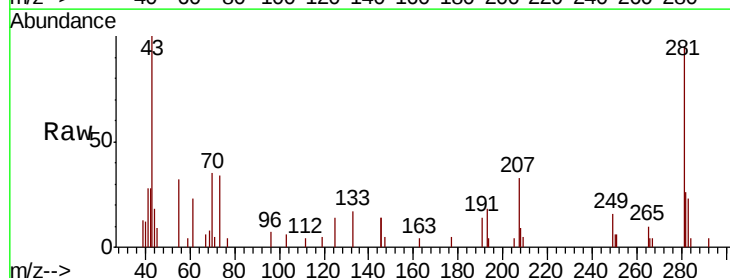
Ion Ratio Lower Upper

43 100

70 40.7 32.2 48.4

55 31.3 20.4 30.6

61 22.7 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

12.07

6000

5000

4000

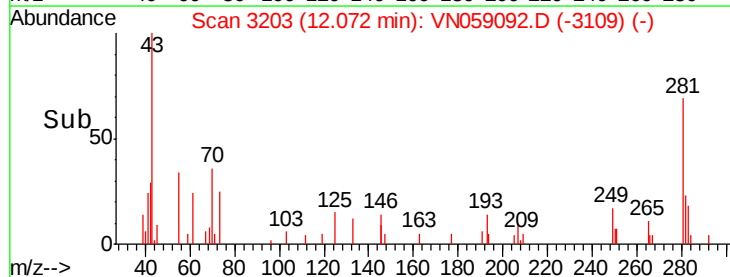
3000

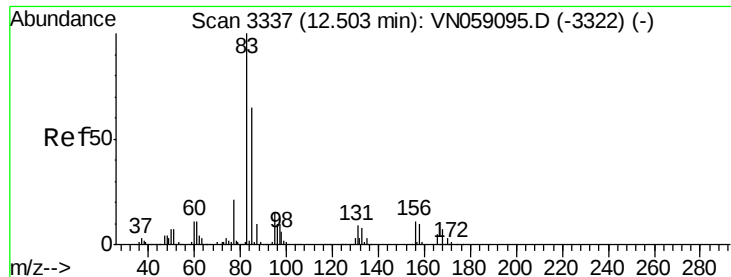
2000

1000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.058 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

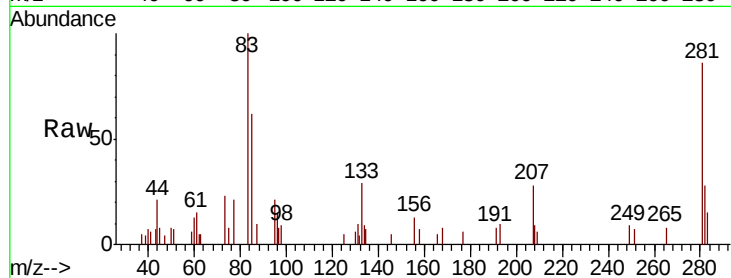
Tot Ion: 83 Resp: 6665

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

85 68.0 32.4 97.2

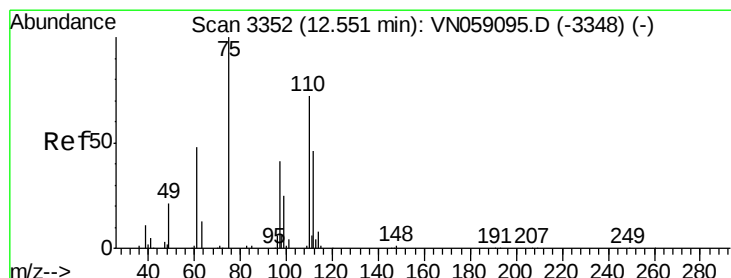
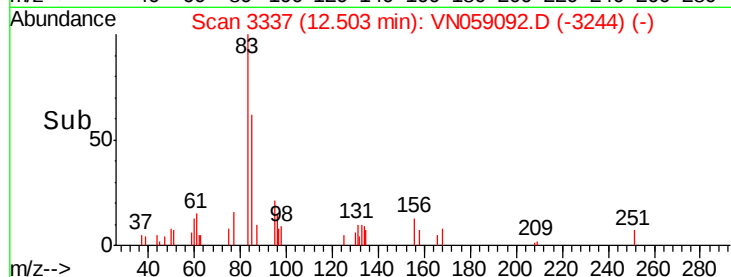


Abundance Ion 82.90 (82.60 to 83.60): VN059095.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059095.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059095.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 1.707 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059092.D

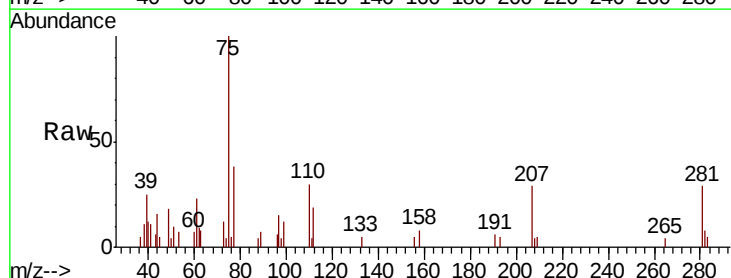
Acq: 6 Nov 2019 8:55

Tgt Ion: 75 Resp: 9611

Ion Ratio Lower Upper

75 100

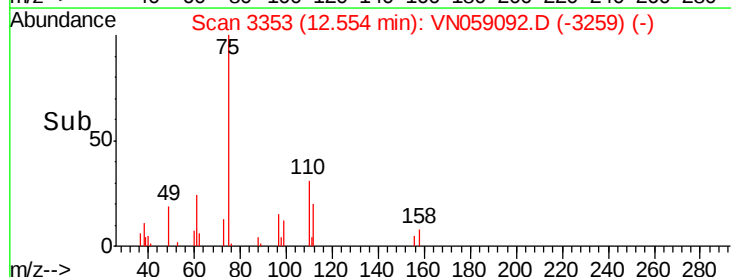
77 0.0 0.0 0.0

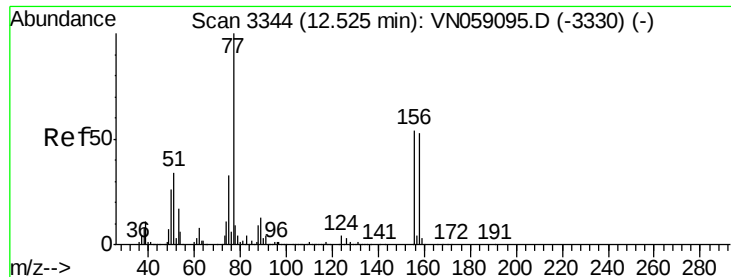


Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN059095.D (-3348) (-)

Time-->





#77

Bromobenzene

Concen: 1.152 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

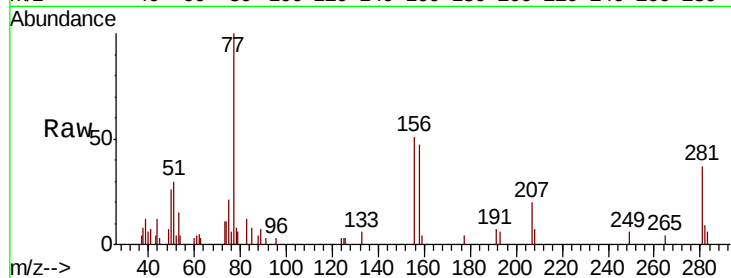
Tot Ion:156 Resp: 5111

Ion Ratio Lower Upper

156 100

77 232.3 112.8 338.3

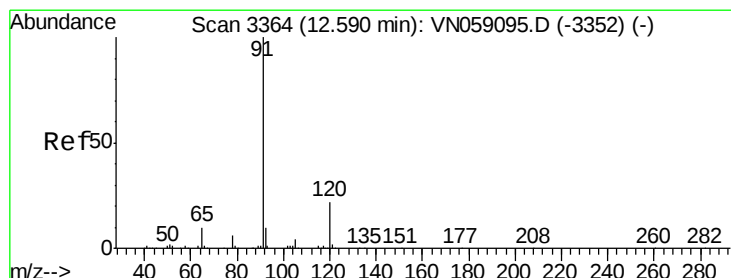
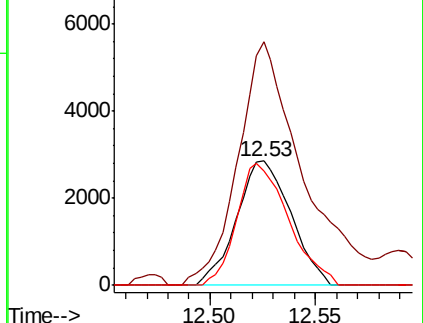
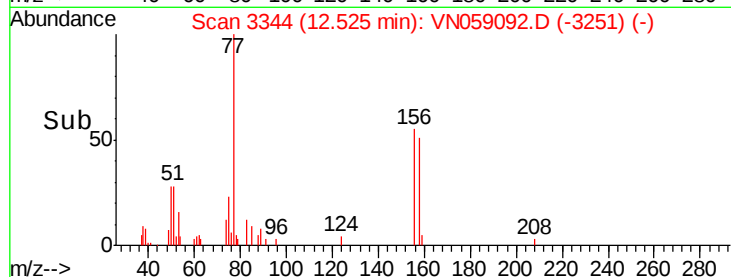
158 93.4 48.4 145.3



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: 1.081 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059092.D

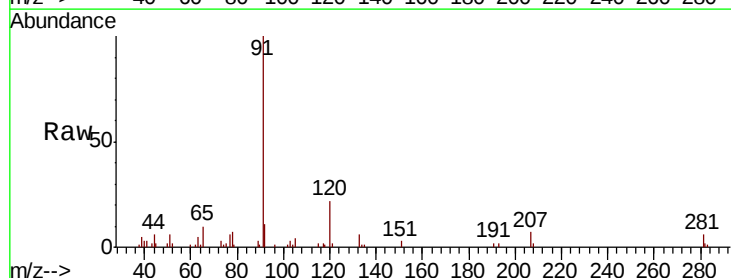
Acq: 6 Nov 2019 8:55

Tgt Ion: 91 Resp: 22090

Ion Ratio Lower Upper

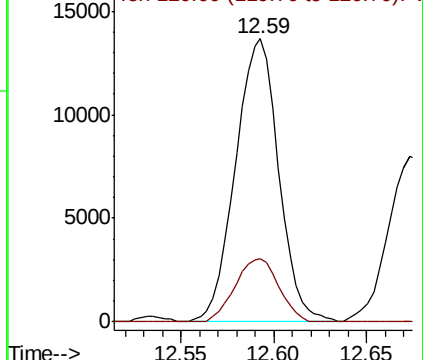
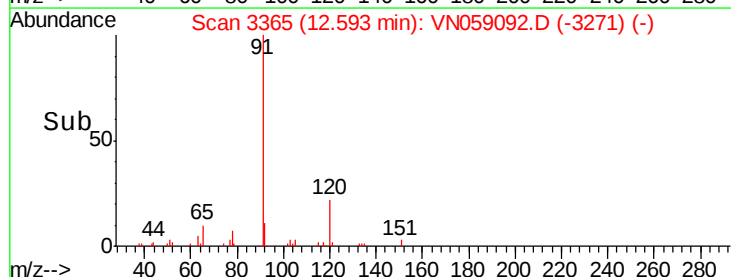
91 100

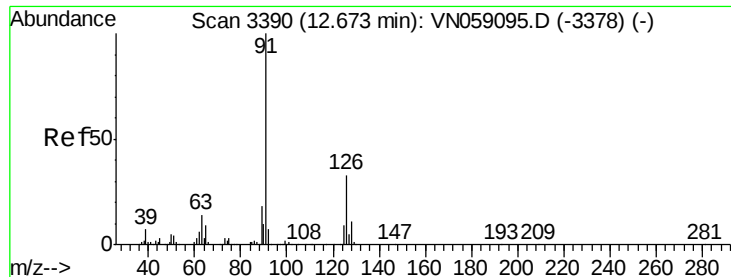
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.090 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

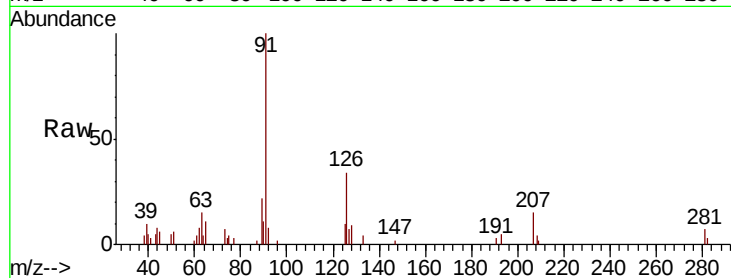
ClientSampled :

Tot Ion: 91 Resp: 13835

Ion Ratio Lower Upper

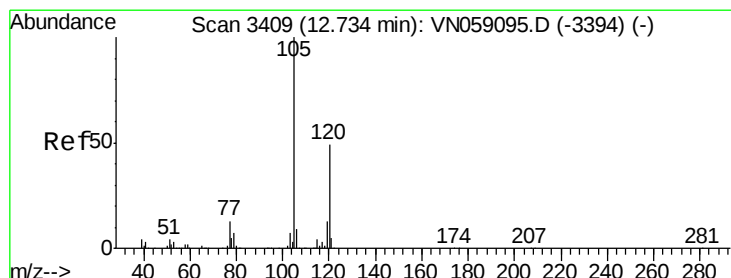
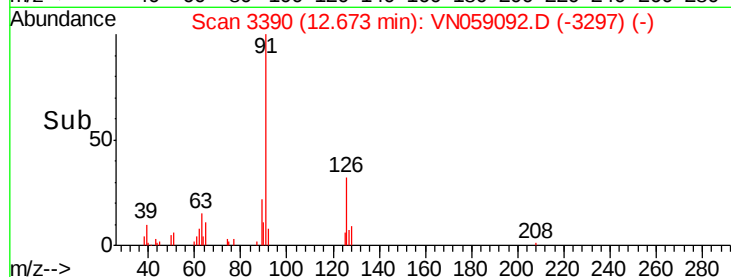
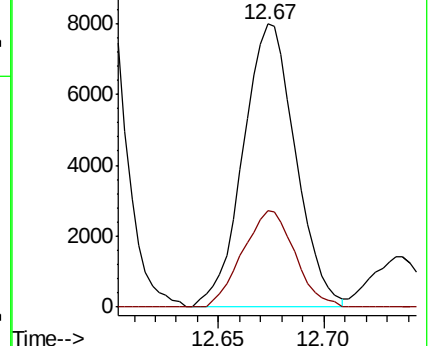
91 100

126 33.7 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059092.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059092.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.056 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059092.D

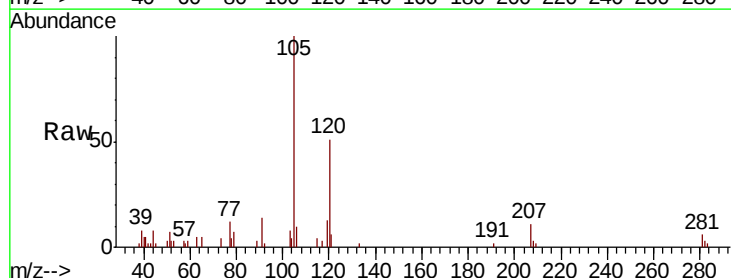
Acq: 6 Nov 2019 8:55

Tgt Ion: 105 Resp: 15891

Ion Ratio Lower Upper

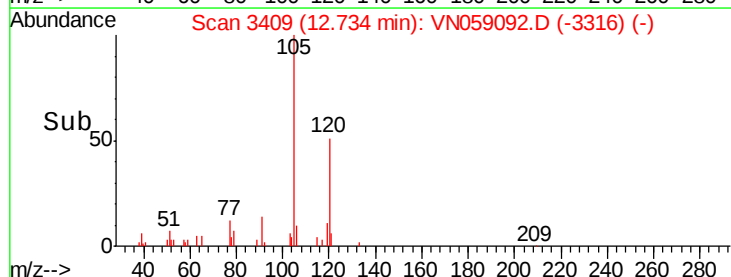
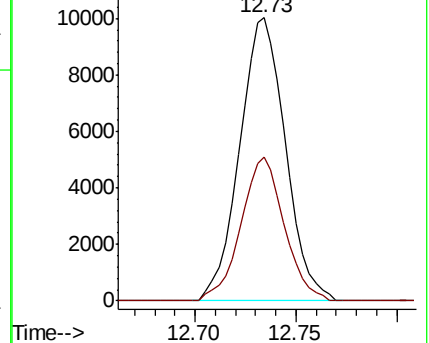
105 100

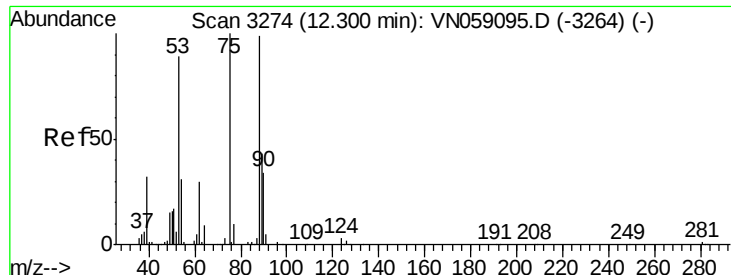
120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059092.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059092.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 1.134 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

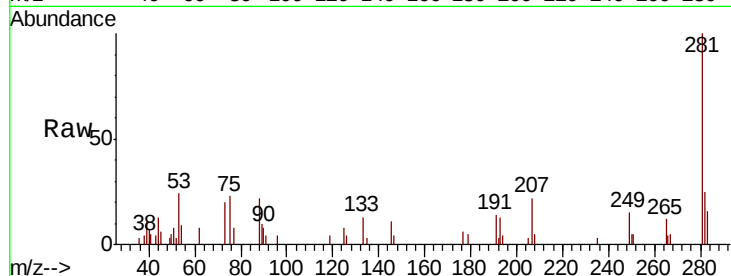
Tot Ion: 75 Resp: 2491

Ion Ratio Lower Upper

75 100

53 84.8 72.2 108.2

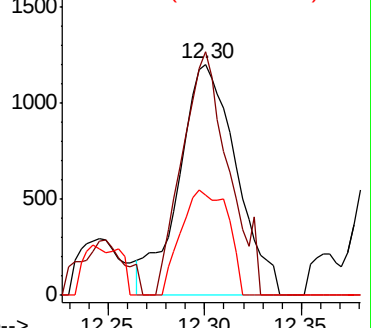
89 37.1 35.8 53.8



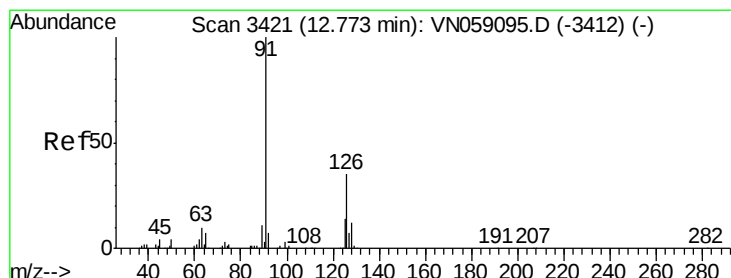
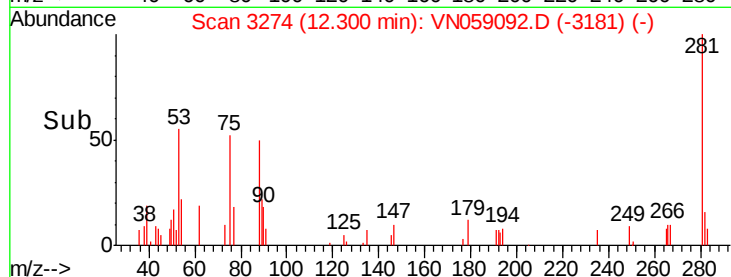
Abundance Ion 74.90 (74.60 to 75.60): VN059092.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN059092.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN059092.D (-3264) (-)



Time-->



#82

4-Chlorotoluene

Concen: 1.004 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059092.D

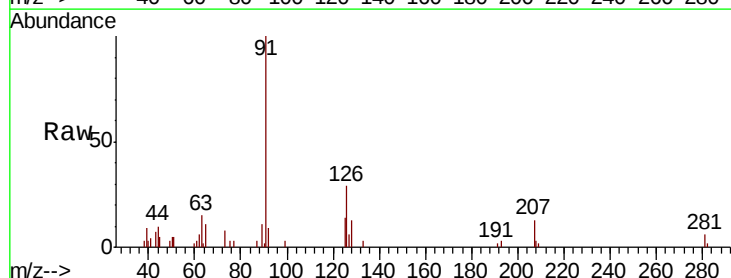
Acq: 6 Nov 2019 8:55

Tgt Ion: 91 Resp: 13017

Ion Ratio Lower Upper

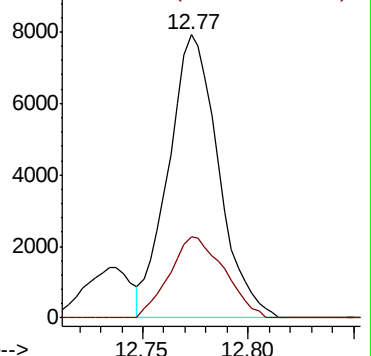
91 100

126 31.3 16.1 48.2

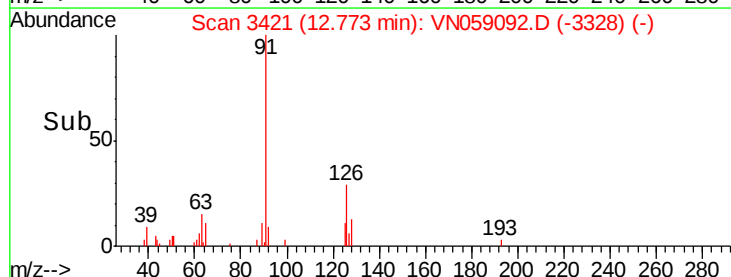


Abundance Ion 91.00 (90.70 to 91.70): VN059092.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN059092.D (-3412) (-)



Time-->





#83

tert-Butylbenzene

Concen: 1.111 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

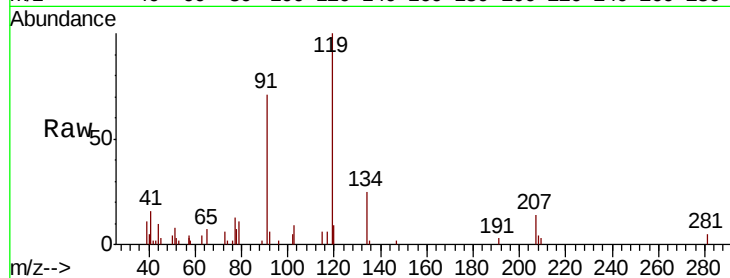
Tot Ion:119 Resp: 14243

Ion Ratio Lower Upper

119 100

91 65.6 33.2 99.6

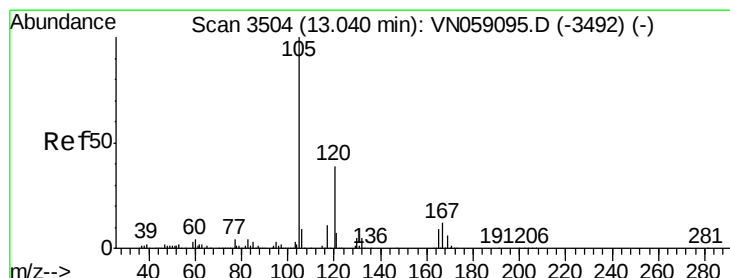
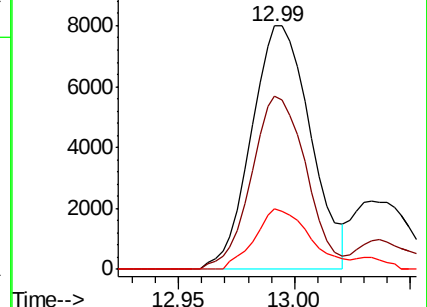
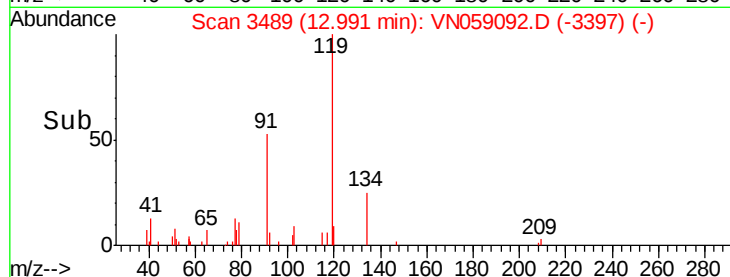
134 23.3 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.013 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059092.D

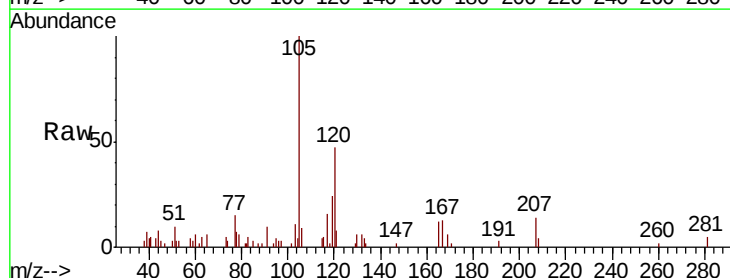
Acq: 6 Nov 2019 8:55

Tgt Ion:105 Resp: 14756

Ion Ratio Lower Upper

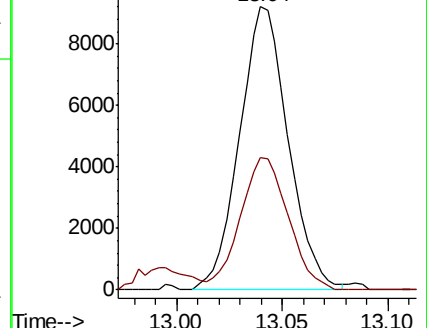
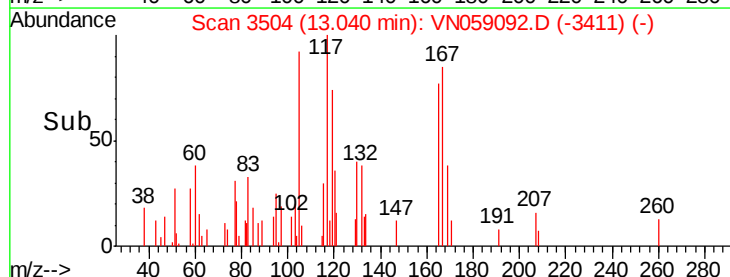
105 100

120 46.0 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.054 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

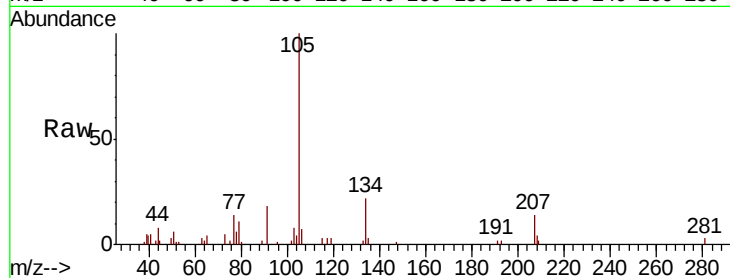
ClientSampled :

Tot Ion:105 Resp: 17655

Ion Ratio Lower Upper

105 100

134 20.1 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12000

10000

8000

6000

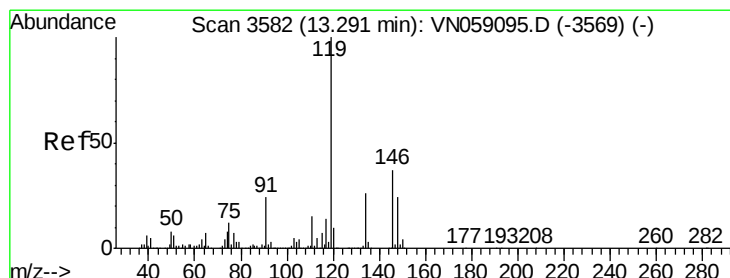
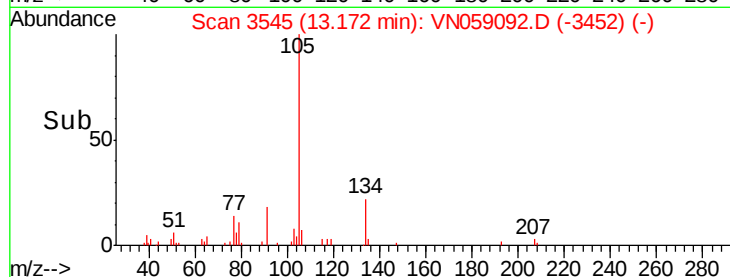
4000

2000

0

13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 0.940 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

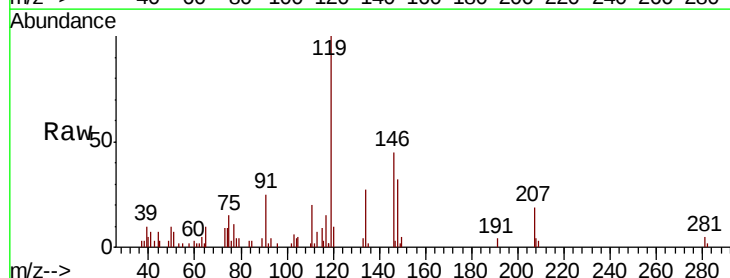
Tgt Ion:119 Resp: 14184

Ion Ratio Lower Upper

119 100

134 27.7 13.0 38.9

91 23.8 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

12000

10000

8000

6000

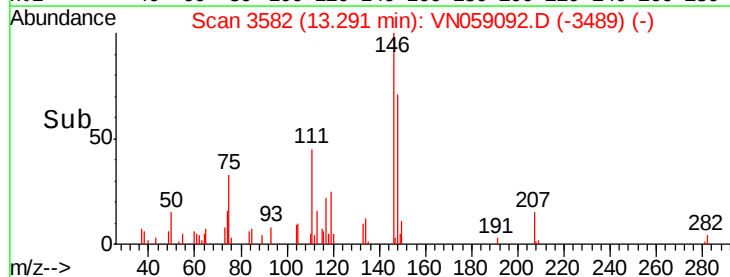
4000

2000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 1.010 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

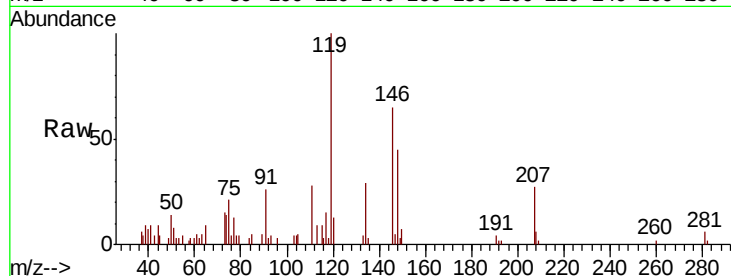
Tot Ion:146 Resp: 7930

Ion Ratio Lower Upper

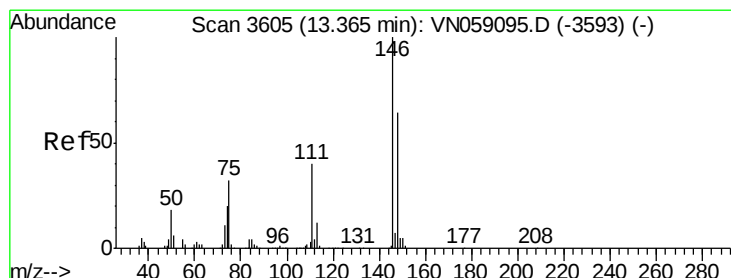
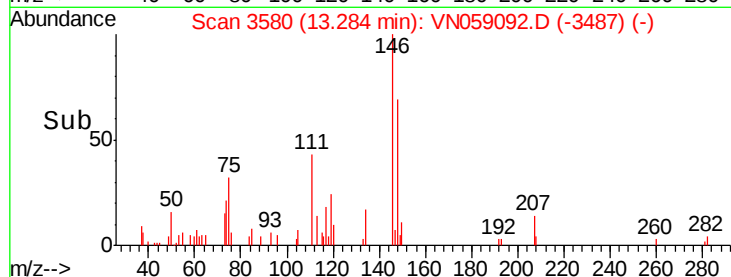
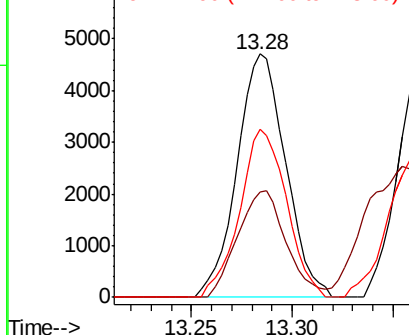
146 100

111 43.7 20.4 61.3

148 66.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.022 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

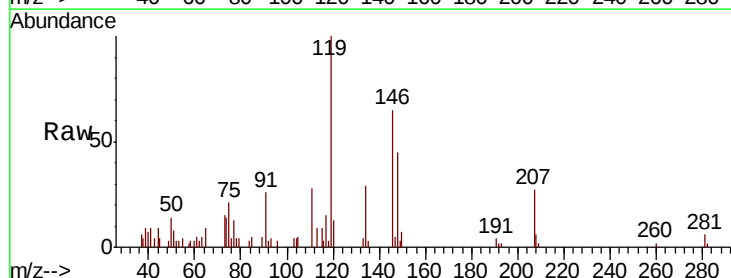
Tgt Ion:146 Resp: 7930

Ion Ratio Lower Upper

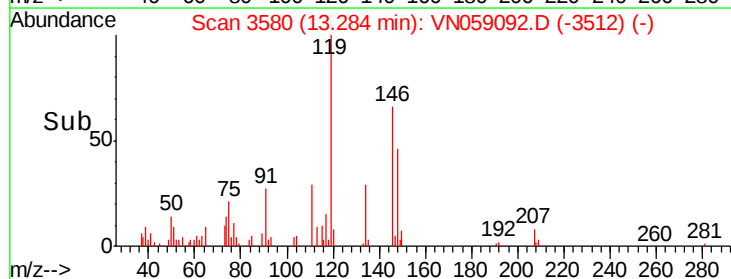
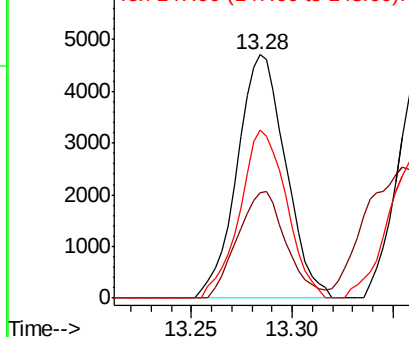
146 100

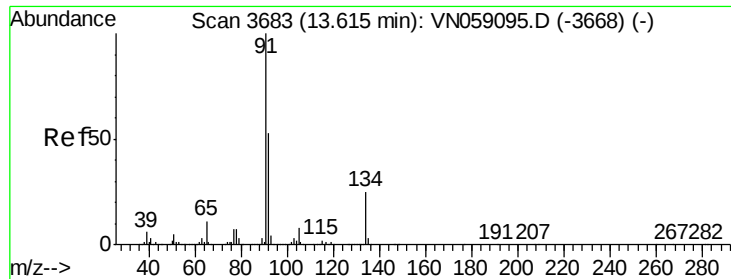
111 43.7 20.3 60.9

148 66.6 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

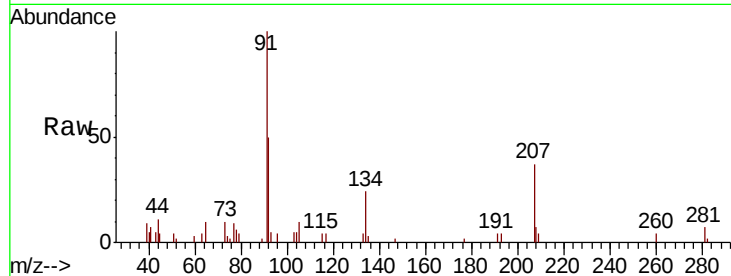




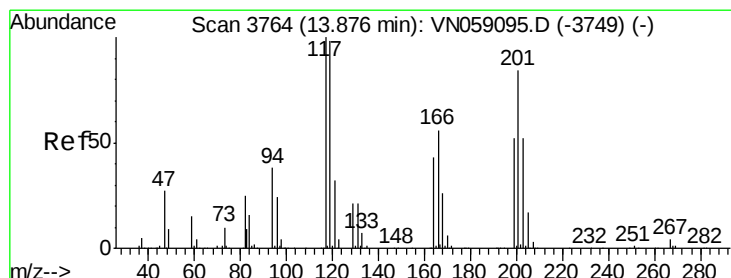
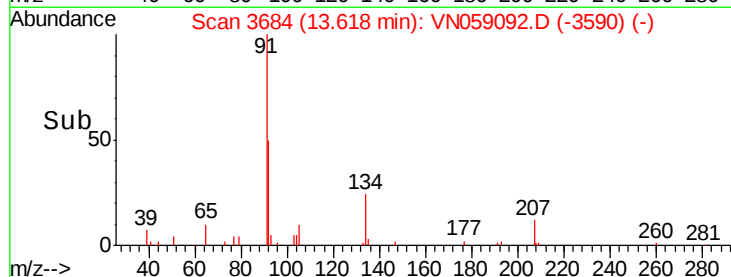
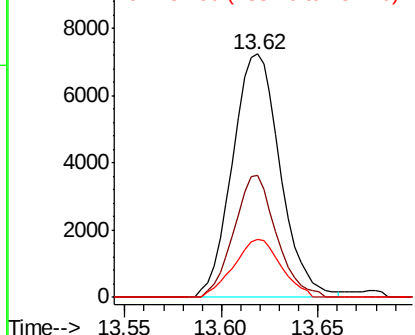
#89
n-Butylbenzene
Concen: 0.950 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 12451
Ion Ratio Lower Upper
91 100
92 44.7 26.1 78.3
134 23.4 12.6 37.8

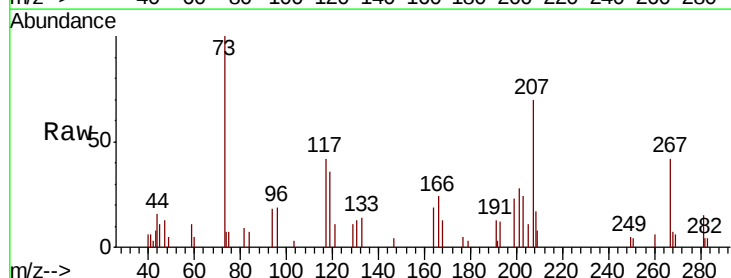


Abundance Ion 91.00 (90.70 to 91.70): VN059092.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN059092.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN059092.D (-3668) (-)

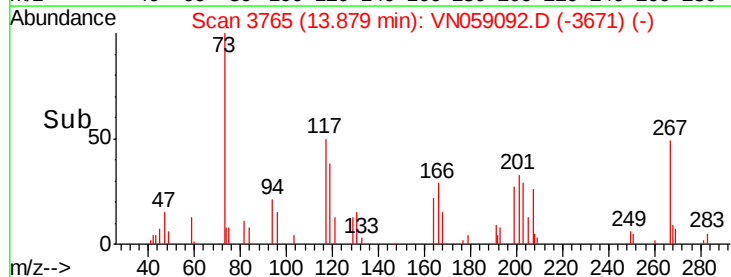
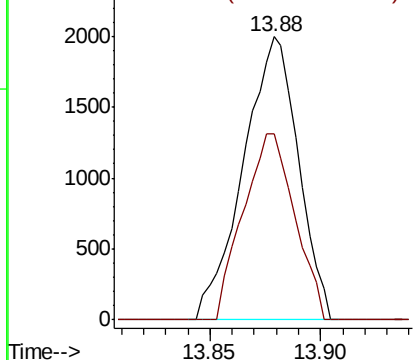


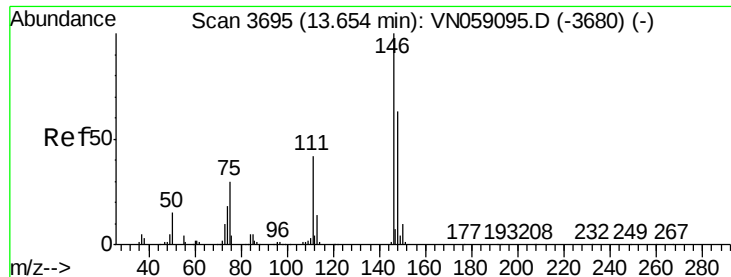
#90
Hexachloroethane
Concen: 1.151 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion: 117 Resp: 3447
Ion Ratio Lower Upper
117 100
201 61.4 41.8 125.3



Abundance Ion 116.80 (116.50 to 117.50): VN059092.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN059092.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 0.982 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

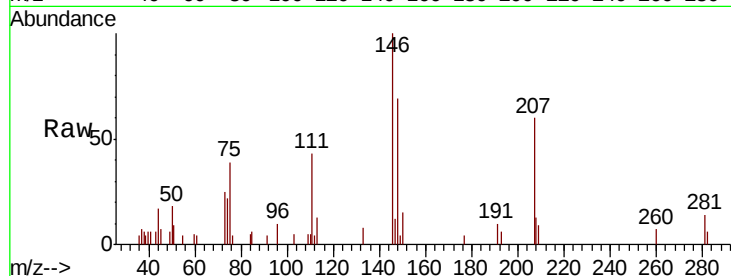
Tot Ion:146 Resp: 7692

Ion Ratio Lower Upper

146 100

111 44.7 21.2 63.6

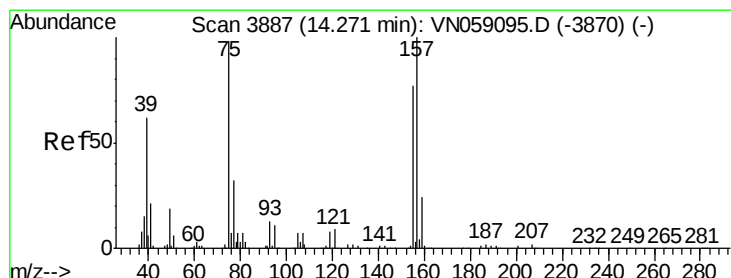
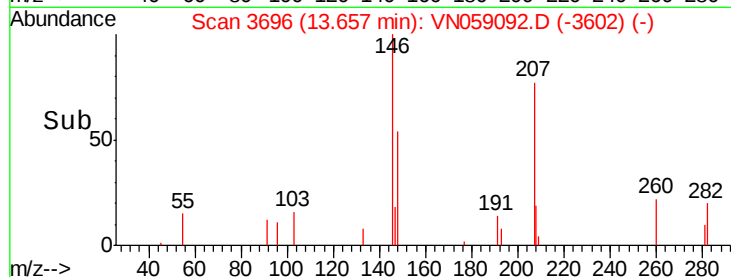
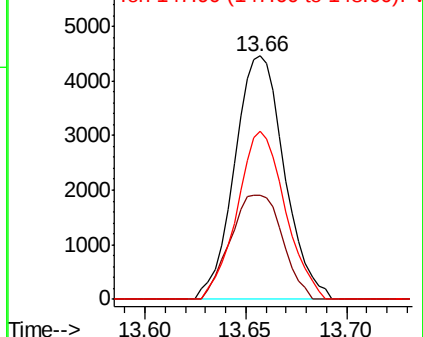
148 66.7 31.6 94.7



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: 1.453 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN059092.D

Acq: 6 Nov 2019 8:55

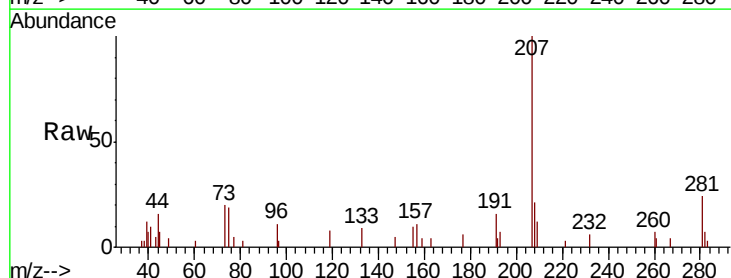
Tgt Ion: 75 Resp: 1974

Ion Ratio Lower Upper

75 100

155 42.6 40.2 120.6

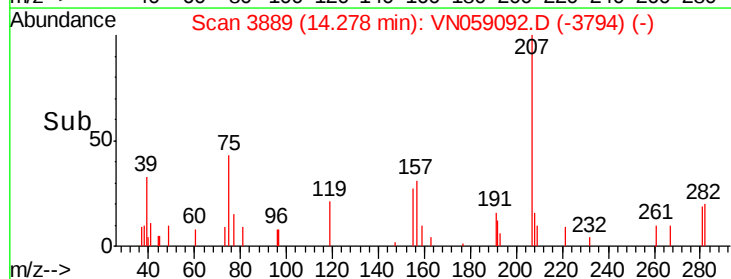
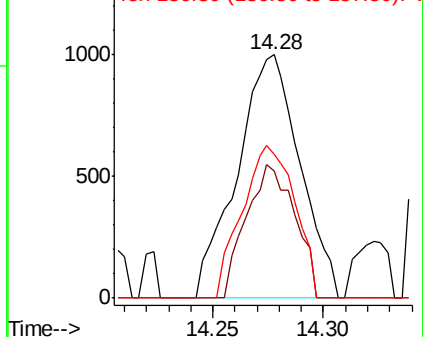
157 52.6 51.8 155.5



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

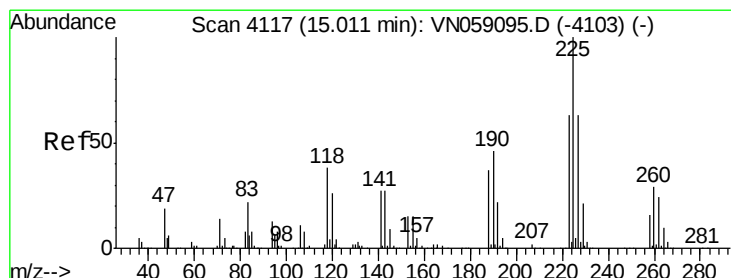
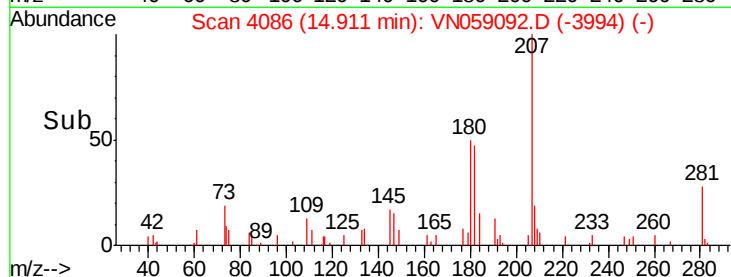
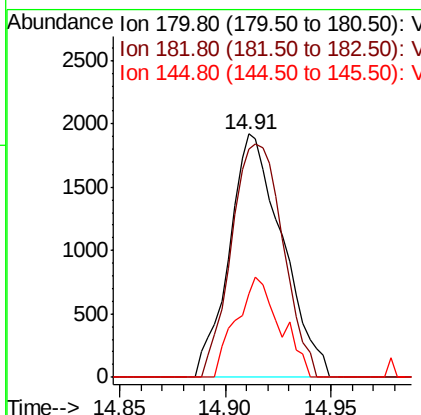
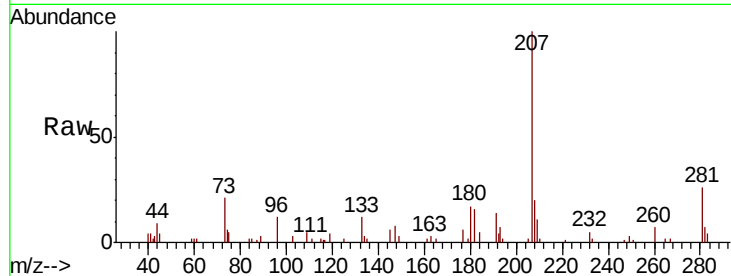




#93
 1,2,4-Trichlorobenzene
 Concen: 0.801 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

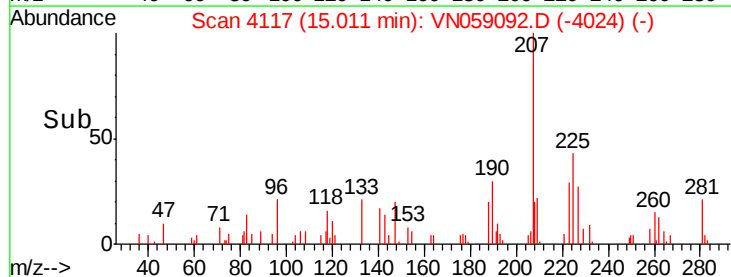
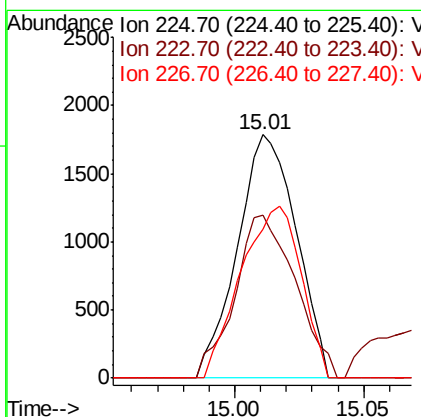
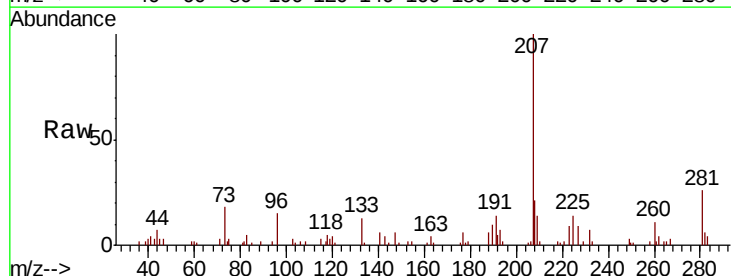
Instrument :
 MSVOA_N
 ClientSampled :

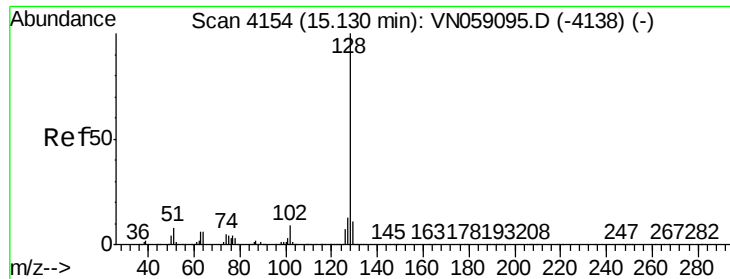
Tot Ion:180 Resp: 3365
 Ion Ratio Lower Upper
 180 100
 182 93.0 48.1 144.3
 145 33.9 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 1.119 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059092.D
 Acq: 6 Nov 2019 8:55

Tgt Ion:225 Resp: 2842
 Ion Ratio Lower Upper
 225 100
 223 68.8 31.3 93.9
 227 72.4 31.5 94.5

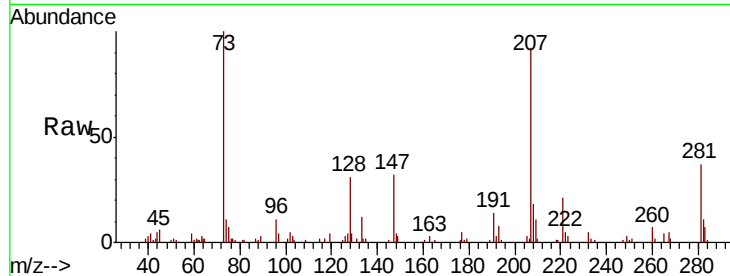




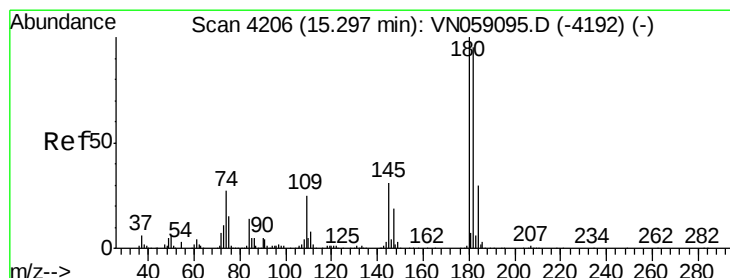
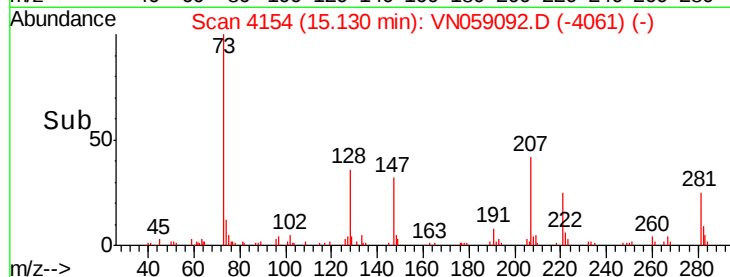
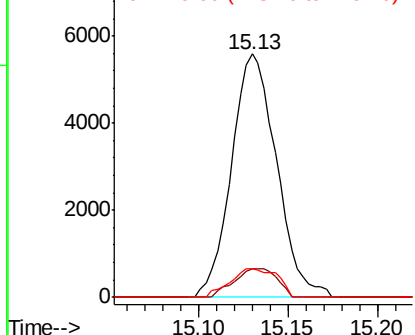
#95
Naphthalene
Concen: 0.852 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 9811
Ion Ratio Lower Upper
128 100
127 11.2 10.2 15.2
129 12.4 8.6 12.8

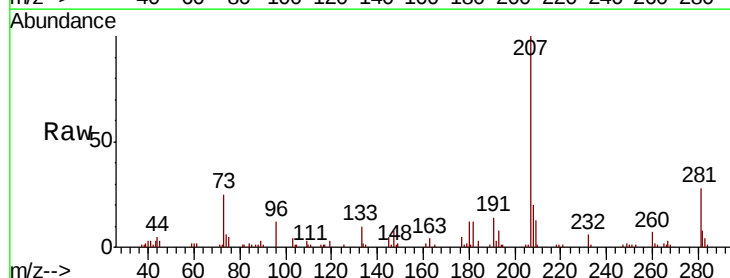


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.984 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059092.D
Acq: 6 Nov 2019 8:55

Tgt Ion:180 Resp: 4229
Ion Ratio Lower Upper
180 100
182 78.7 47.3 141.8
145 41.9 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

