

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059093.D
 Acq On : 6 Nov 2019 9:17
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 03:12:38 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	479655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	758181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	668360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	272449	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	32696	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	
35) Dibromofluoromethane	7.57	113	23231	4.85	ug/l	0.00
Spiked Amount			Recovery	=	9.70%	
50) Toluene-d8	10.08	98	90929	4.89	ug/l	0.00
Spiked Amount			Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.40	95	29957	4.49	ug/l	0.00
Spiked Amount			Recovery	=	8.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	25404	4.937	ug/l	99
3) Chloromethane	2.04	50	34830	4.996	ug/l	100
4) Vinyl Chloride	2.17	62	33863	4.997	ug/l	97
5) Bromomethane	2.54	94	20484	5.133	ug/l	88
6) Chloroethane	2.68	64	19581	4.718	ug/l #	87
7) Trichlorofluoromethane	3.00	101	40103	4.968	ug/l	96
8) Diethyl Ether	3.38	74	16650	5.264	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	24259	5.093	ug/l	97
10) Methyl Iodide	3.92	142	25212	4.335	ug/l #	94
11) Tert butyl alcohol	4.75	59	28921	24.734	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	23628	4.991	ug/l	98
13) Acrolein	3.58	56	16639	23.616	ug/l	99
14) Allyl chloride	4.29	41	45702	4.872	ug/l	96
15) Acrylonitrile	4.95	53	71532	24.293	ug/l	98
16) Acetone	3.79	43	69529	21.534	ug/l	98
17) Carbon Disulfide	4.03	76	73104	4.895	ug/l	98
18) Methyl Acetate	4.30	43	37601	4.624	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	77391	4.793	ug/l	97
20) Methylene Chloride	4.52	84	27670	4.925	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	25347	4.994	ug/l	96
22) Diisopropyl ether	5.92	45	87550	4.896	ug/l #	83
23) Vinyl Acetate	5.87	43	345694	24.333	ug/l	98
24) 1,1-Dichloroethane	5.82	63	50660	4.952	ug/l	97
25) 2-Butanone	6.81	43	96139	22.516	ug/l	99
26) 2,2-Dichloropropane	6.79	77	45337	5.114	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	28462	4.961	ug/l	99
28) Bromochloromethane	7.17	49	16991	5.417	ug/l #	97
29) Tetrahydrofuran	7.19	42	64308	23.885	ug/l	99
30) Chloroform	7.35	83	48974	5.008	ug/l	97
31) Cyclohexane	7.63	56	53056	5.460	ug/l #	87
32) 1,1,1-Trichloroethane	7.54	97	40843	4.938	ug/l	98
36) 1,1-Dichloropropene	7.77	75	35832	4.779	ug/l	99
37) Ethyl Acetate	6.90	43	39737	4.763	ug/l	98
38) Carbon Tetrachloride	7.75	117	36364	4.971	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059093.D
 Acq On : 6 Nov 2019 9:17
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 03:12:38 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	39895	4.617	ug/l	96
40) Benzene	8.02	78	110050	4.933	ug/l	100
41) Methacrylonitrile	7.18	41	56034	15.453	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	38603	4.979	ug/l	98
43) Isopropyl Acetate	8.14	43	60924	4.680	ug/l	99
44) Trichloroethene	8.82	130	27478	5.000	ug/l	100
45) 1,2-Dichloropropane	9.10	63	29350	4.860	ug/l	98
46) Dibromomethane	9.19	93	18399	4.935	ug/l	95
47) Bromodichloromethane	9.39	83	35522	4.696	ug/l	99
48) Methyl methacrylate	9.18	41	26121	4.398	ug/l	99
49) 1,4-Dioxane	9.18	88	9251	96.127	ug/l #	96
51) 4-Methyl-2-Pentanone	9.97	43	180195	23.760	ug/l	98
52) Toluene	10.14	92	64244	4.923	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	39645	4.545	ug/l	90
54) cis-1,3-Dichloropropene	9.83	75	43745	4.759	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	26642	4.993	ug/l	95
56) Ethyl methacrylate	10.42	69	34657	4.320	ug/l	96
57) 1,3-Dichloropropane	10.70	76	43683	4.715	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	68726	21.587	ug/l	99
59) 2-Hexanone	10.74	43	128668	22.333	ug/l	97
60) Dibromochloromethane	10.90	129	25563	4.462	ug/l	98
61) 1,2-Dibromoethane	11.00	107	25907	4.809	ug/l	99
64) Tetrachloroethene	10.63	164	24070	5.159	ug/l	98
65) Chlorobenzene	11.43	112	66953	4.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	24066	4.778	ug/l	95
67) Ethyl Benzene	11.51	91	116053	4.907	ug/l	100
68) m/p-Xylenes	11.62	106	85286	9.642	ug/l	99
69) o-Xylene	11.94	106	40722	4.825	ug/l	100
70) Styrene	11.96	104	57558	4.217	ug/l	94
71) Bromoform	12.12	173	17246	4.429	ug/l #	98
73) Isopropylbenzene	12.25	105	106999	5.351	ug/l	99
74) N-amyl acetate	12.07	43	41282	4.665	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	36162	5.076	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	47765	7.502	ug/l #	100
77) Bromobenzene	12.53	156	27050	5.391	ug/l	96
78) n-propylbenzene	12.59	91	121951	5.277	ug/l	98
79) 2-Chlorotoluene	12.67	91	78050	5.439	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	89203	5.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	11341	4.568	ug/l	94
82) 4-Chlorotoluene	12.77	91	74215	5.063	ug/l	99
83) tert-Butylbenzene	12.99	119	76457	5.277	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	82915	5.035	ug/l	99
85) sec-Butylbenzene	13.17	105	98828	5.218	ug/l	100
86) p-Isopropyltoluene	13.29	119	86833	5.091	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	43605	4.910	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	43480	4.955	ug/l	94
89) n-Butylbenzene	13.62	91	69599	4.699	ug/l	98
90) Hexachloroethane	13.88	117	17399	5.139	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	43741	4.937	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	7974	5.191	ug/l	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
Data File : VN059093.D
Acq On : 6 Nov 2019 9:17
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 07 03:12:38 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)
93) 1,2,4-Trichlorobenzene	14.91	180	17914	3.771	ug/l	99
94) Hexachlorobutadiene	15.01	225	16209	5.647	ug/l	98
95) Naphthalene	15.13	128	44623	3.429	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	19374	3.988	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

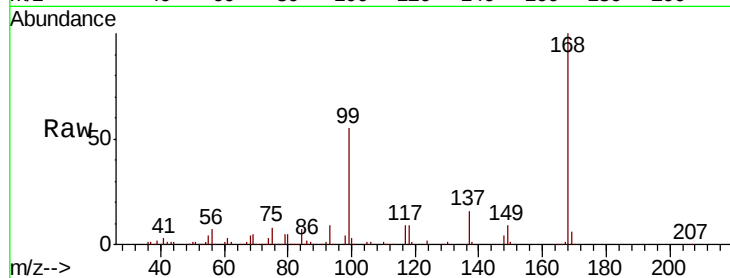
ClientSampled :

Tot Ion:168 Resp: 479655

Ion Ratio Lower Upper

168 100

99 54.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

100000

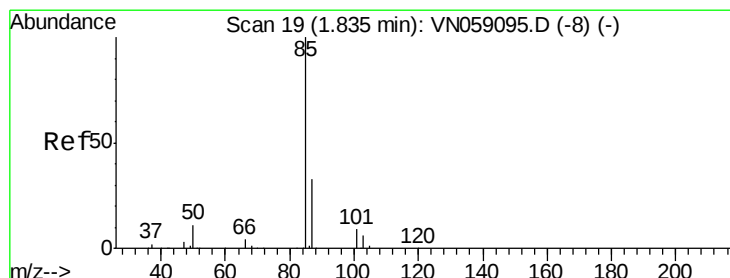
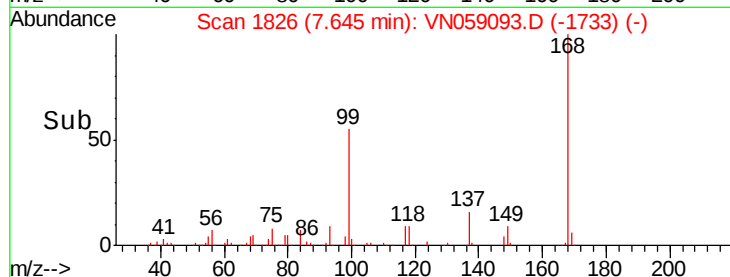
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.937 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059093.D

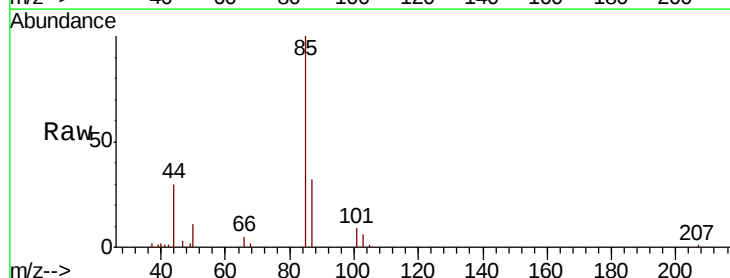
Acq: 6 Nov 2019 9:17

Tgt Ion: 85 Resp: 25404

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

20000

15000

10000

5000

0

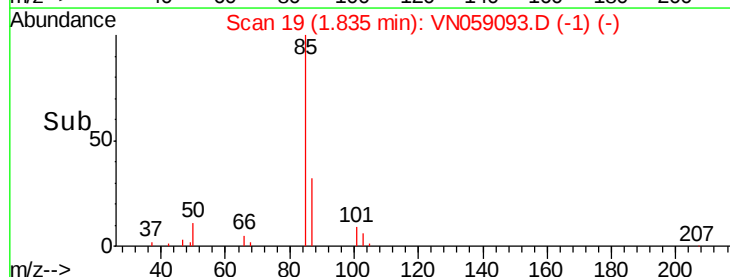
1.80

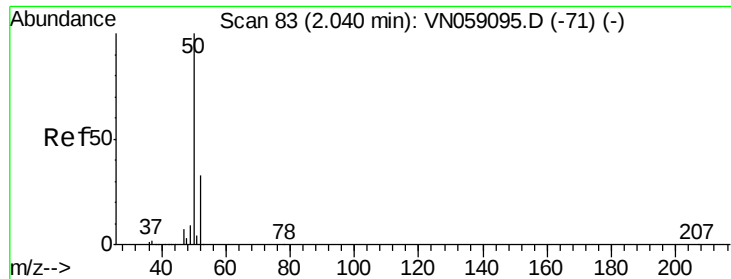
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 4.996 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

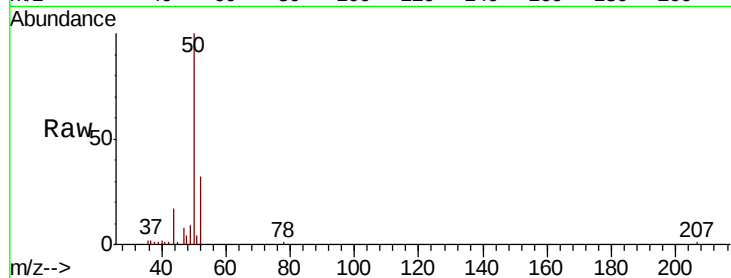
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 34830

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN059093.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN059093.D (-71) (-)

2.04

25000

20000

15000

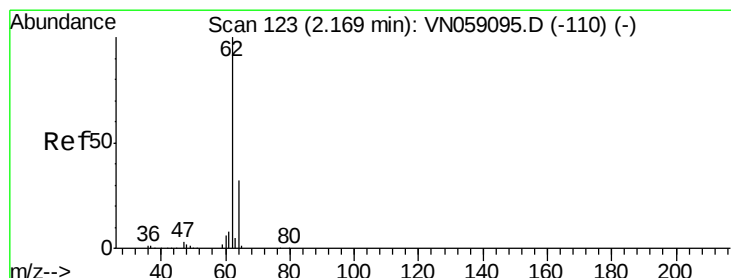
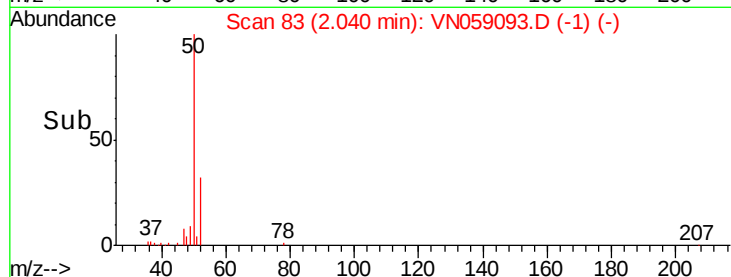
10000

5000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 4.997 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059093.D

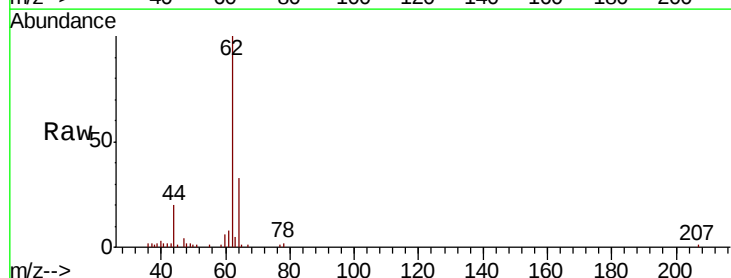
Acq: 6 Nov 2019 9:17

Tgt Ion: 62 Resp: 33863

Ion Ratio Lower Upper

62 100

64 33.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN059093.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN059093.D (-110) (-)

2.17

25000

20000

15000

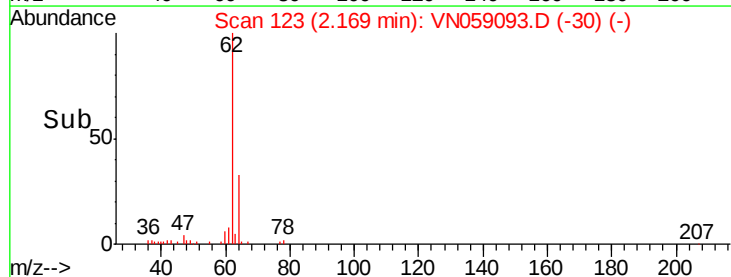
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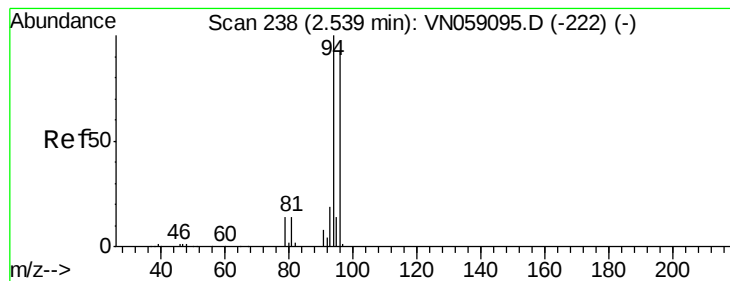
5000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 5.133 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

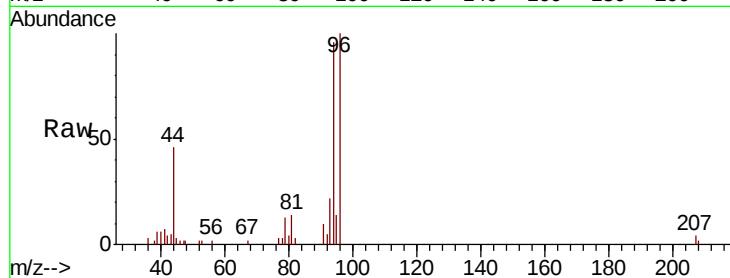
ClientSampled :

Tot Ion: 94 Resp: 20484

Ion Ratio Lower Upper

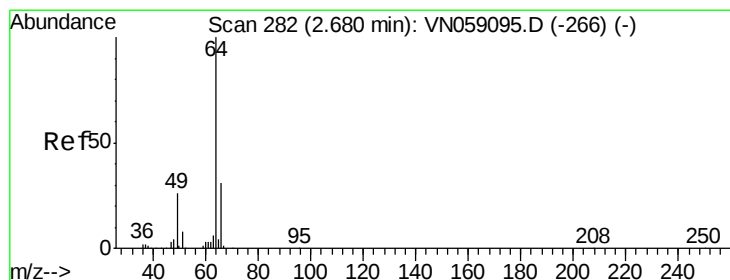
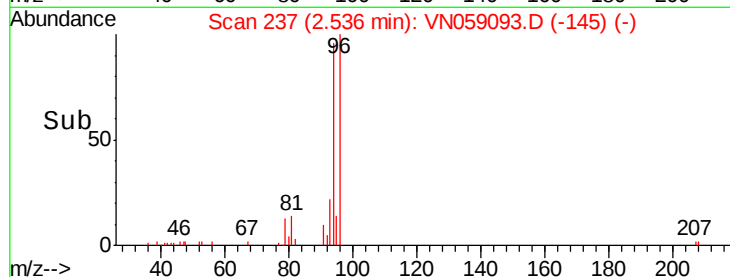
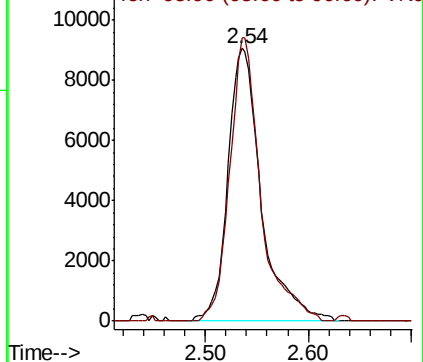
94 100

96 103.8 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: 4.718 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059093.D

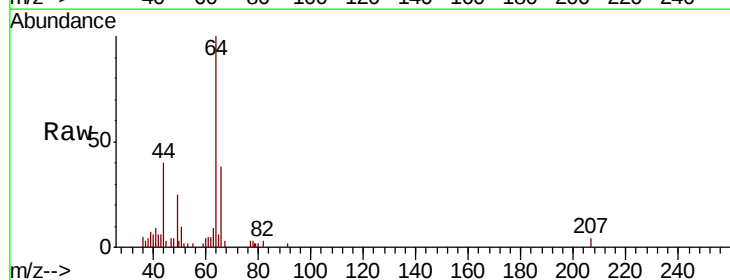
Acq: 6 Nov 2019 9:17

Tgt Ion: 64 Resp: 19581

Ion Ratio Lower Upper

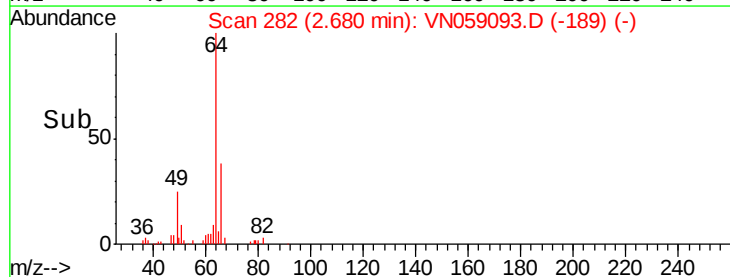
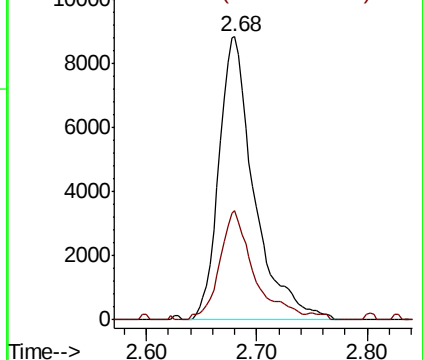
64 100

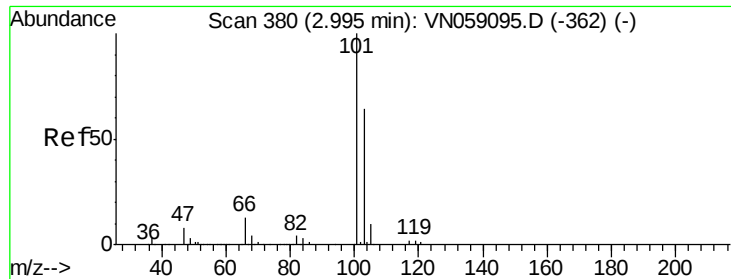
66 38.5 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



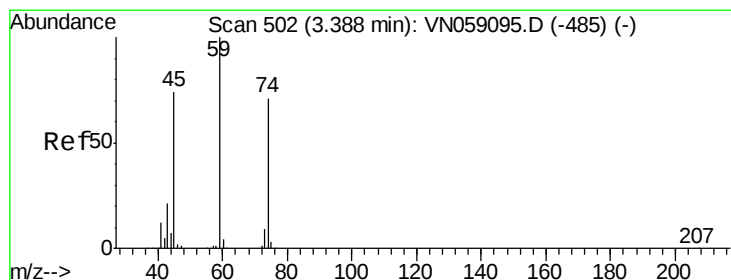
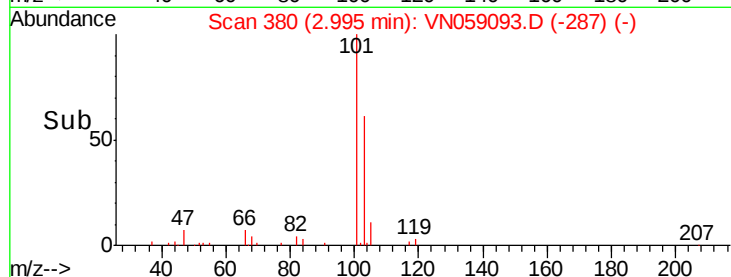
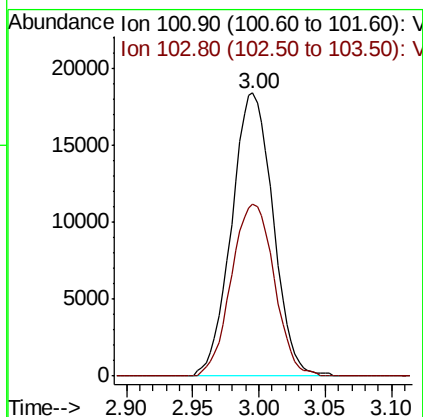
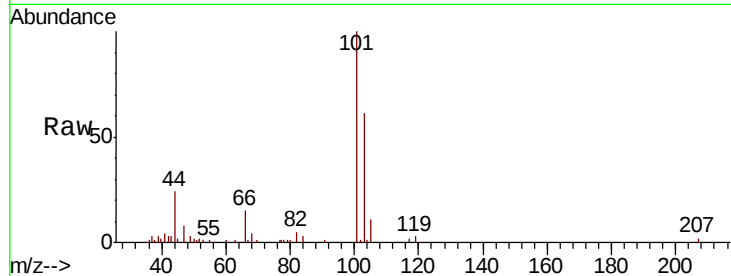


#7

Trichlorofluoromethane
 Concen: 4.968 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

Instrument :
 MSVOA_N
 ClientSampled :

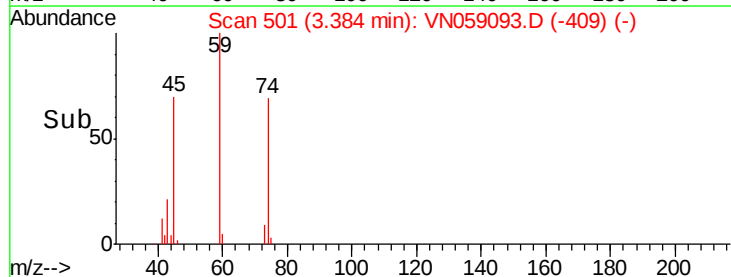
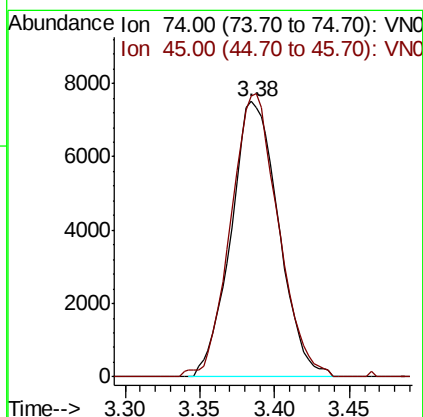
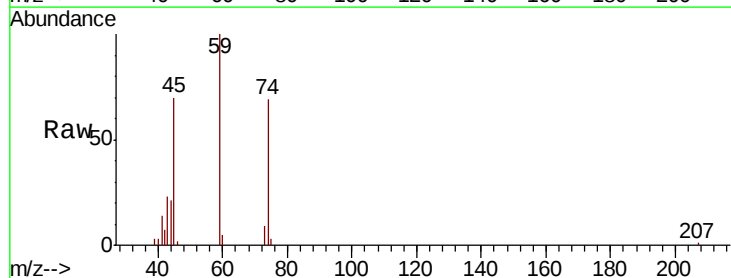
Tot Ion:101 Resp: 40103
 Ion Ratio Lower Upper
 101 100
 103 60.6 51.2 76.8

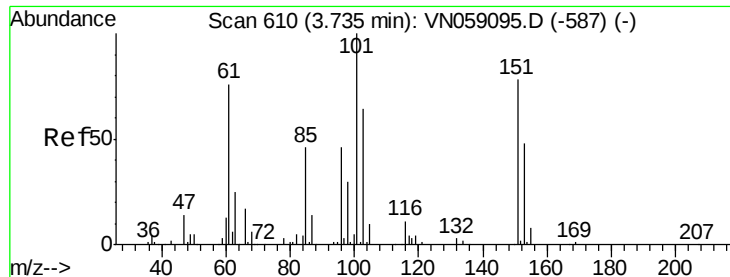


#8

Diethyl Ether
 Concen: 5.264 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

Tgt Ion: 74 Resp: 16650
 Ion Ratio Lower Upper
 74 100
 45 102.9 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.093 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

ClientSampled :

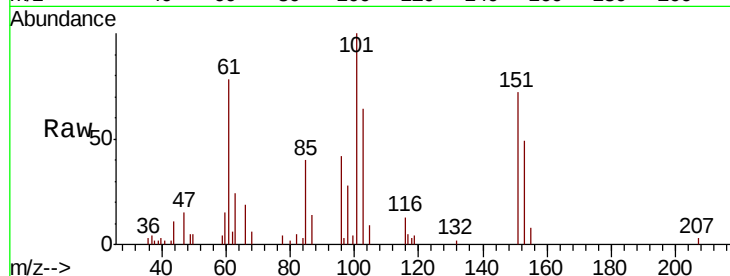
Tot Ion:101 Resp: 24259

Ion Ratio Lower Upper

101 100

85 42.6 35.5 53.3

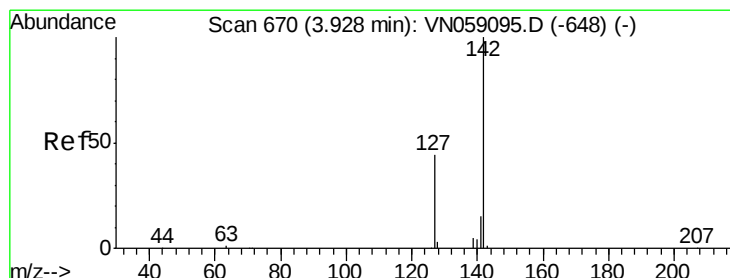
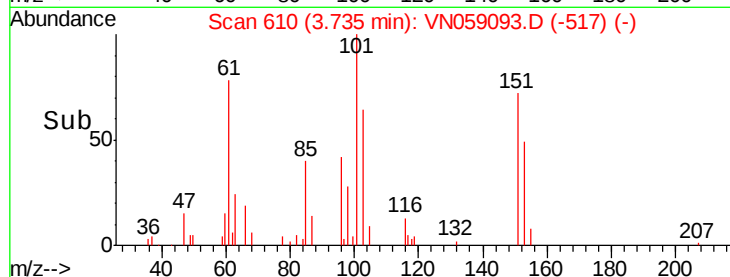
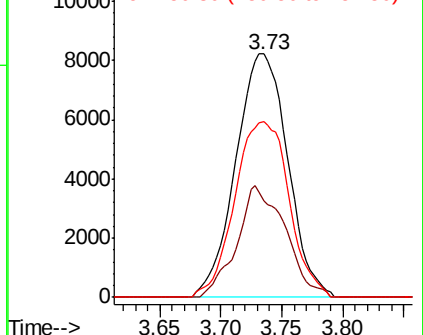
151 75.3 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.335 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

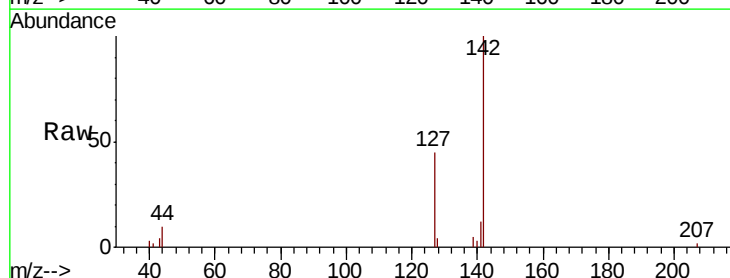
Tgt Ion:142 Resp: 25212

Ion Ratio Lower Upper

142 100

127 43.3 34.2 51.2

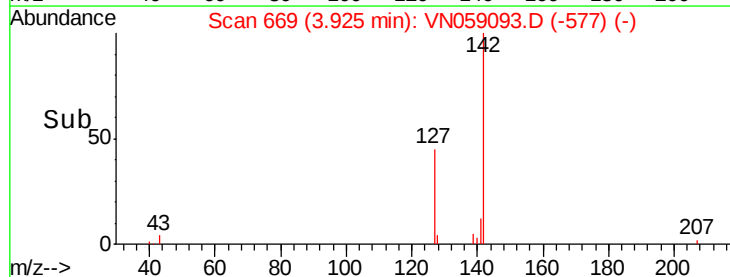
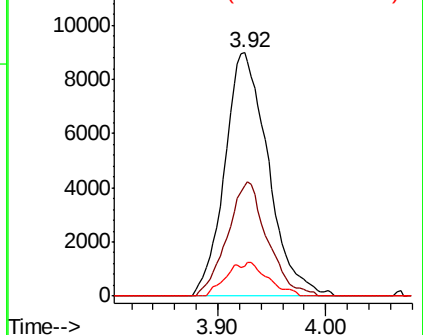
141 5.4 11.4 17.0#

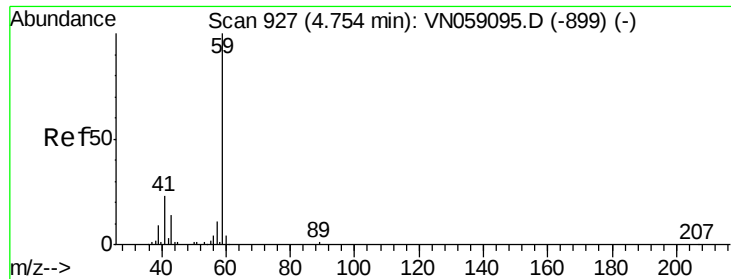


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

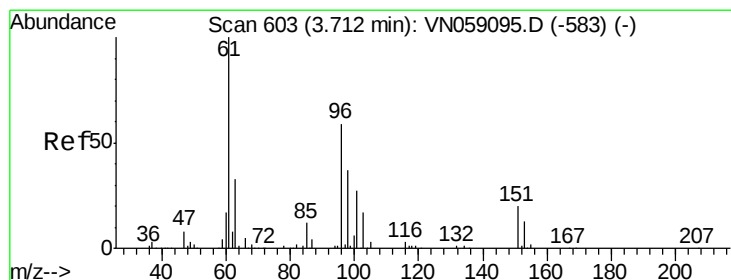
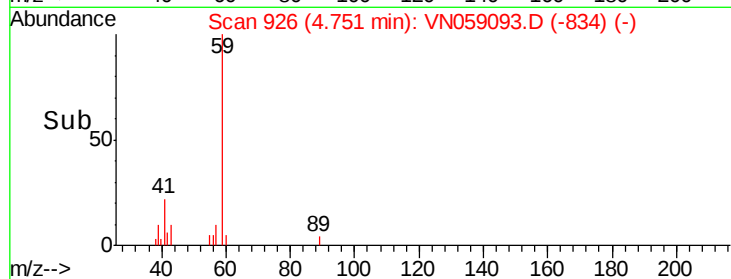
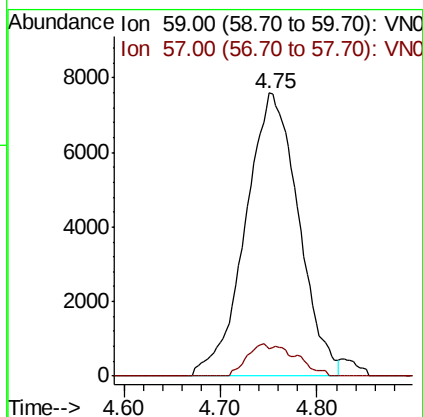
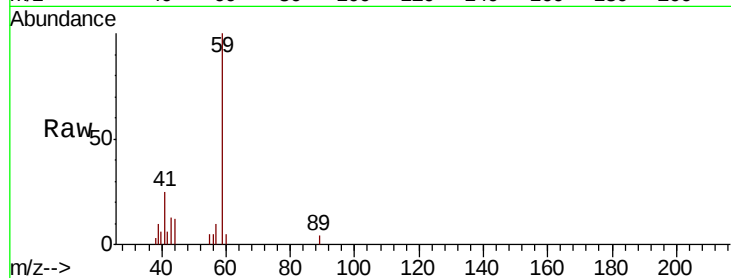




#11
Tert butyl alcohol
Concen: 24.734 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

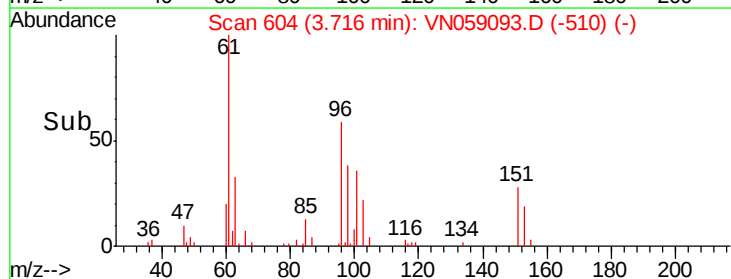
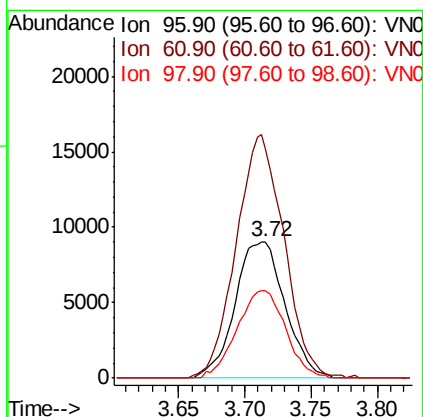
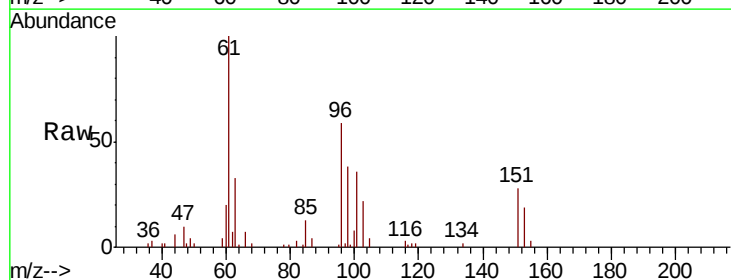
Instrument :
MSVOA_N
ClientSampleId :

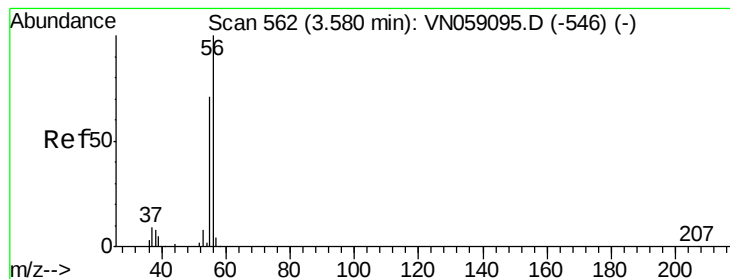
Tot Ion: 59 Resp: 28921
Ion Ratio Lower Upper
59 100
57 4.8 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 4.991 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 96 Resp: 23628
Ion Ratio Lower Upper
96 100
61 168.5 136.5 204.7
98 64.4 50.2 75.4





#13

Acrolein

Concen: 23.616 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

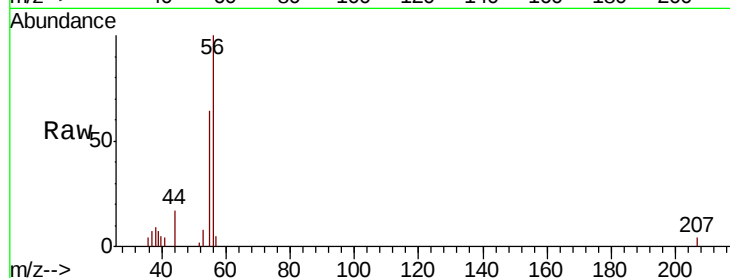
ClientSampleId :

Tot Ion: 56 Resp: 16639

Ion Ratio Lower Upper

56 100

55 71.7 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN059093.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN059093.D (-546) (-)

3.58

6000

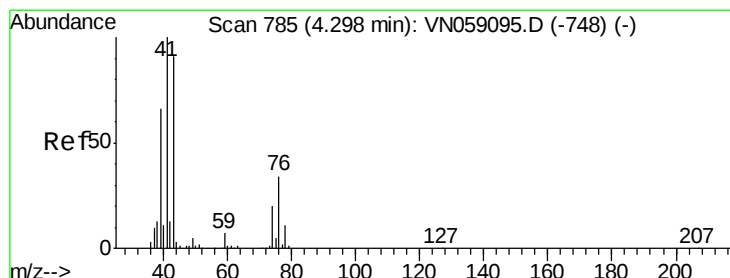
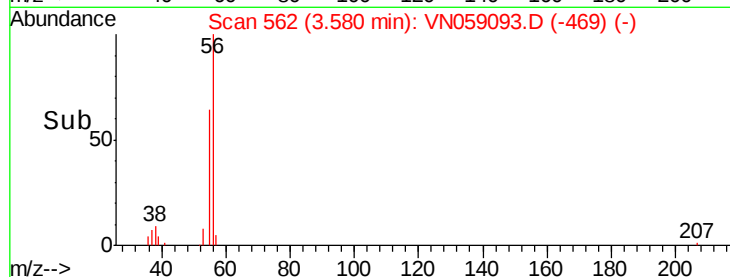
4000

2000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 4.872 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

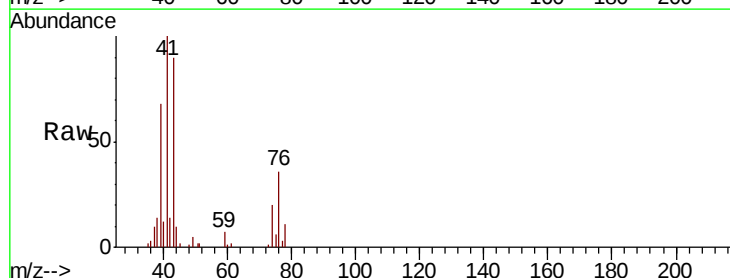
Tgt Ion: 41 Resp: 45702

Ion Ratio Lower Upper

41 100

39 65.1 49.1 73.7

76 31.8 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN059093.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059093.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059093.D (-692) (-)

4.29

20000

15000

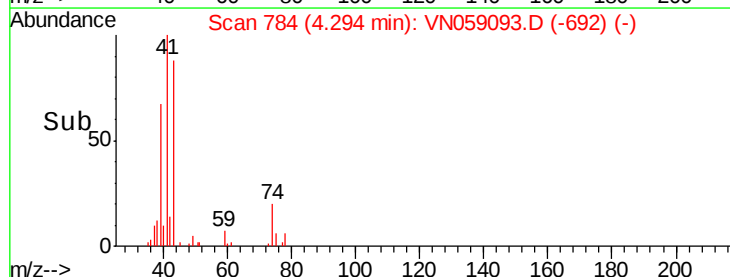
10000

5000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 24.293 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

ClientSampled :

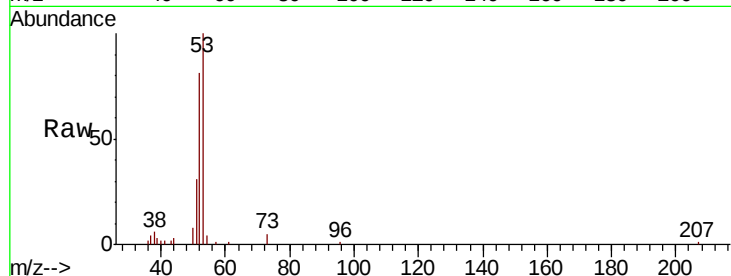
Tot Ion: 53 Resp: 71532

Ion Ratio Lower Upper

53 100

52 79.7 65.0 97.6

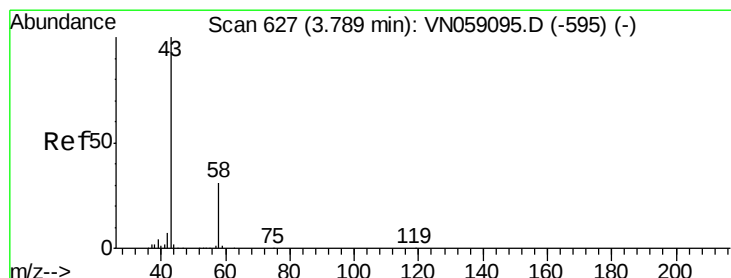
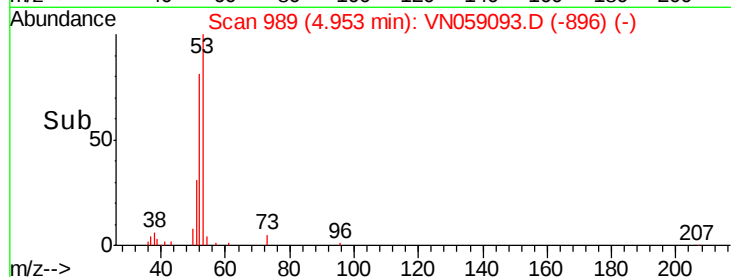
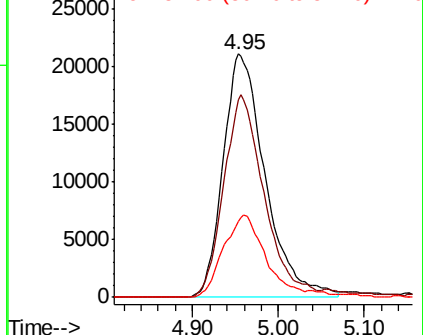
51 33.4 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059093.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059093.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059093.D (-966) (-)



#16

Acetone

Concen: 21.534 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059093.D

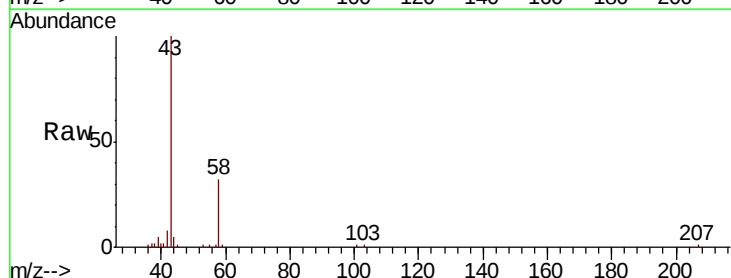
Acq: 6 Nov 2019 9:17

Tgt Ion: 43 Resp: 69529

Ion Ratio Lower Upper

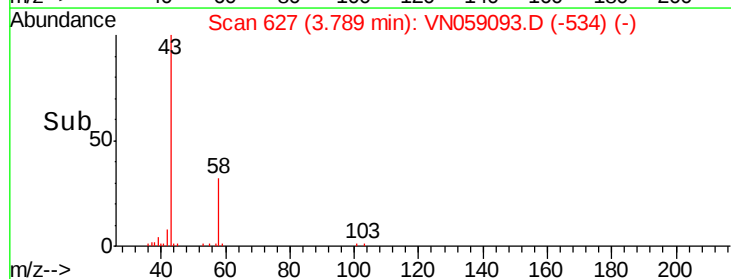
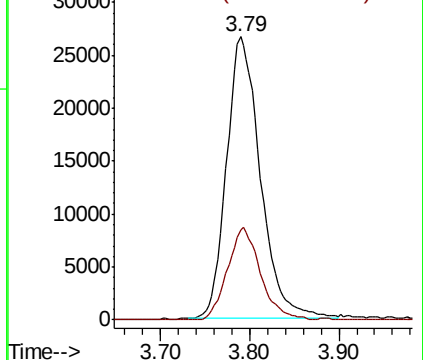
43 100

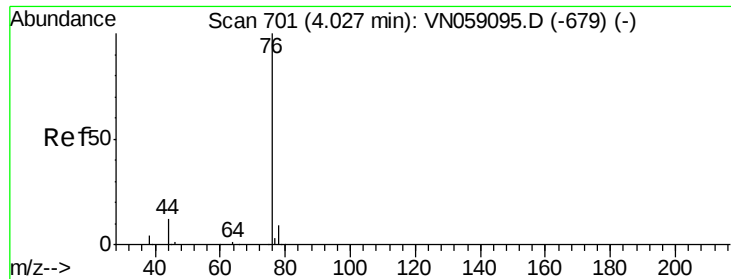
58 32.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059093.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059093.D (-534) (-)

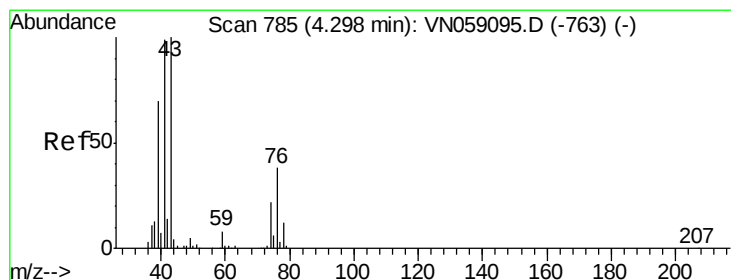
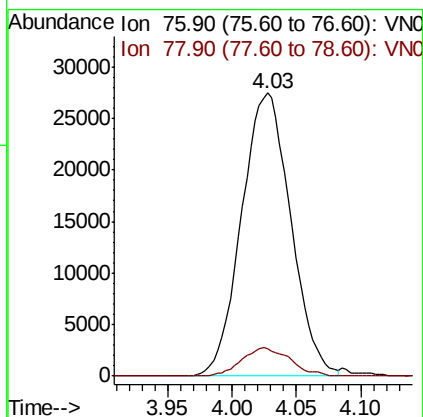
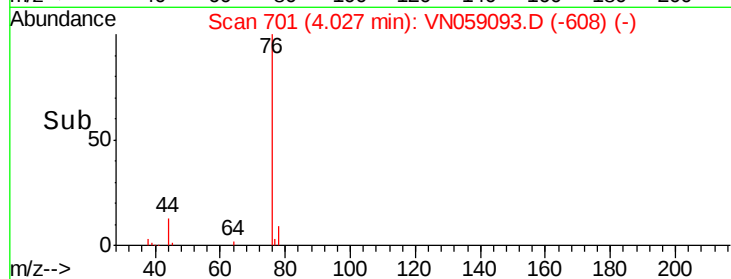
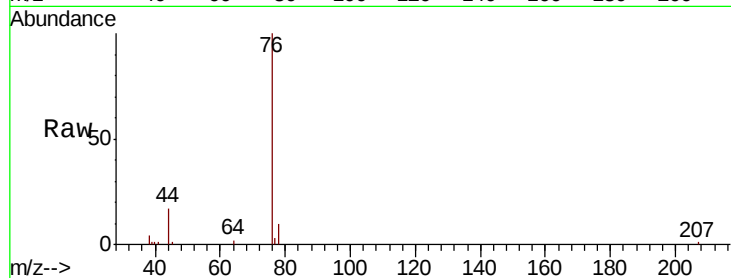




#17
Carbon Disulfide
Concen: 4.895 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

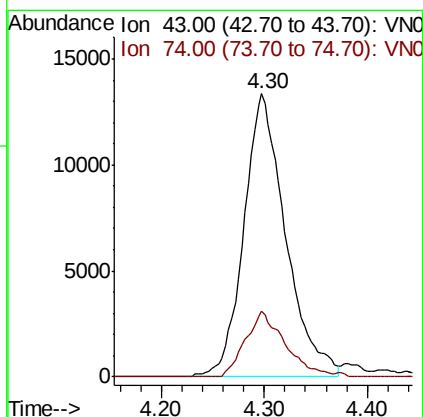
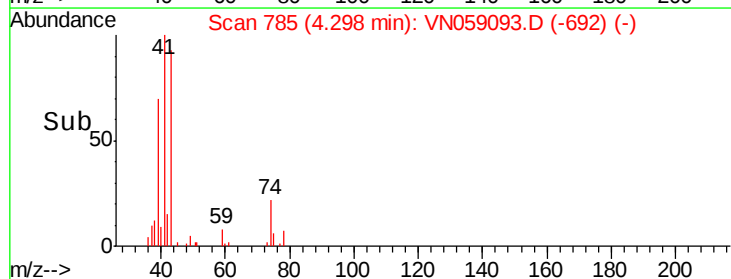
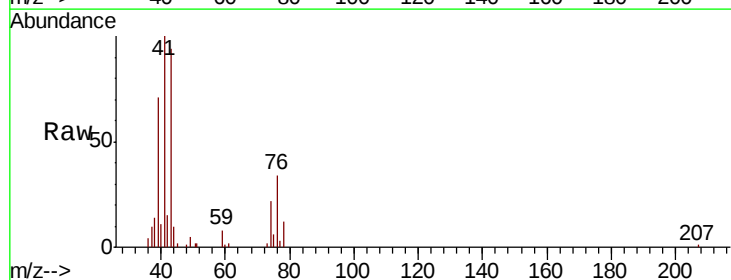
Instrument :
MSVOA_N
ClientSampled :

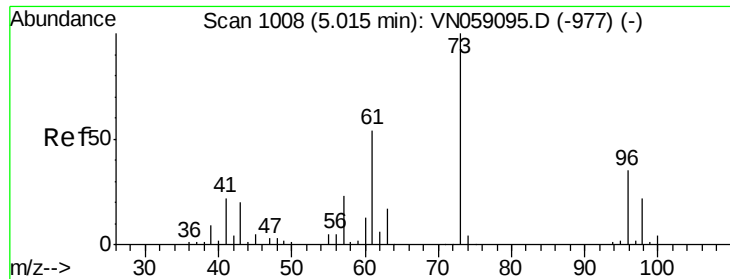
Tot Ion: 76 Resp: 73104
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#18
Methyl Acetate
Concen: 4.624 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 43 Resp: 37601
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8

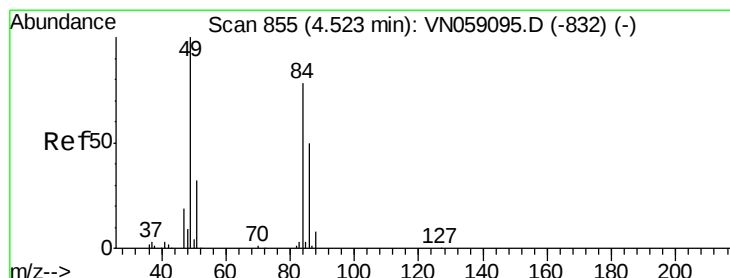
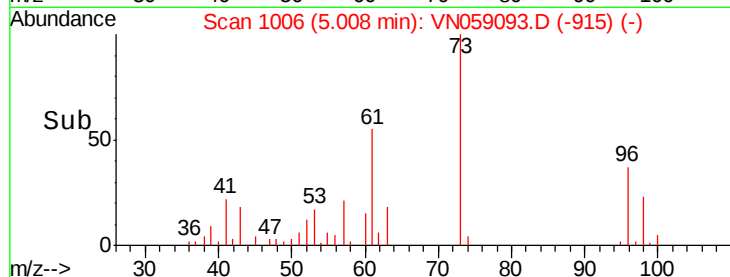
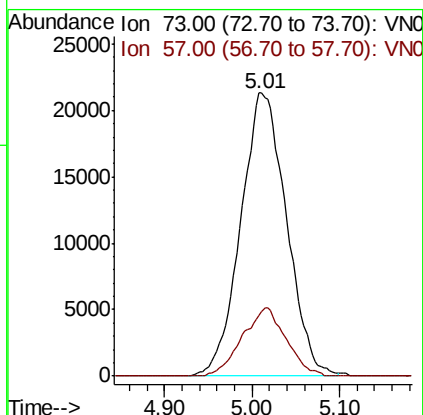
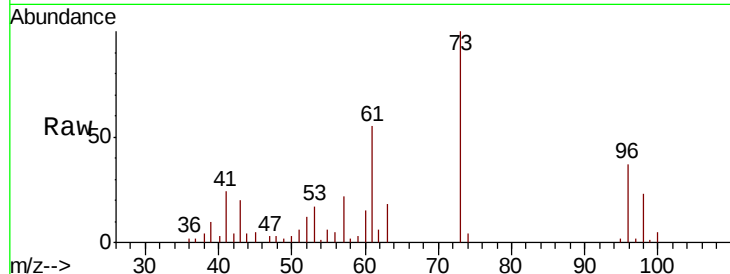




#19
Methvl tert-butvl Ether
Concen: 4.793 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

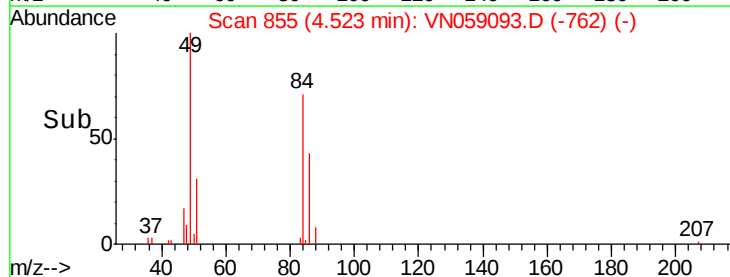
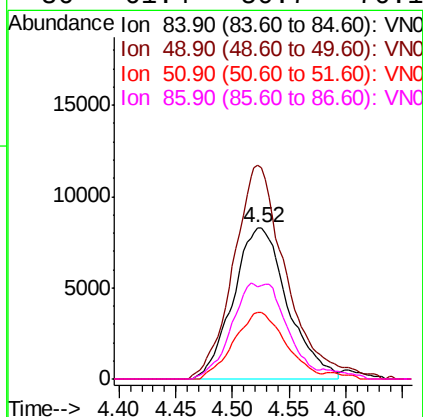
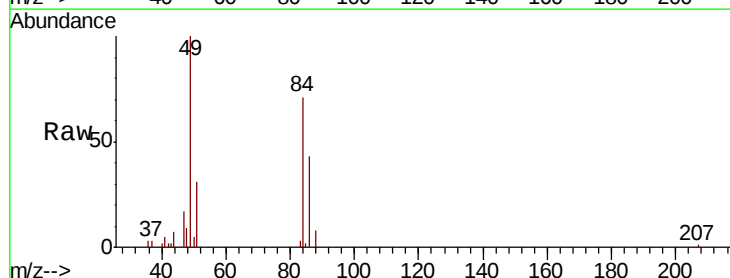
Instrument :
MSVOA_N
ClientSampled :

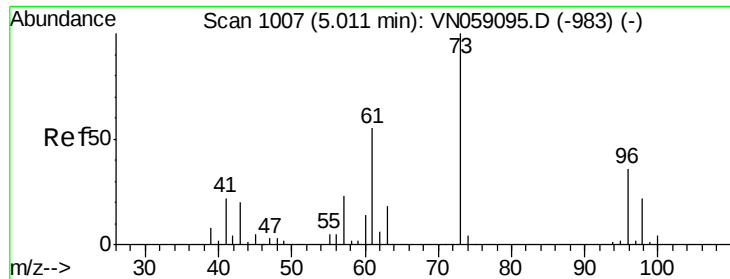
Tot Ion: 73 Resp: 77391
Ion Ratio Lower Upper
73 100
57 21.6 18.4 27.6



#20
Methylene Chloride
Concen: 4.925 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 84 Resp: 27670
Ion Ratio Lower Upper
84 100
49 141.4 102.0 153.0
51 44.0 32.2 48.2
86 61.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 4.994 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :

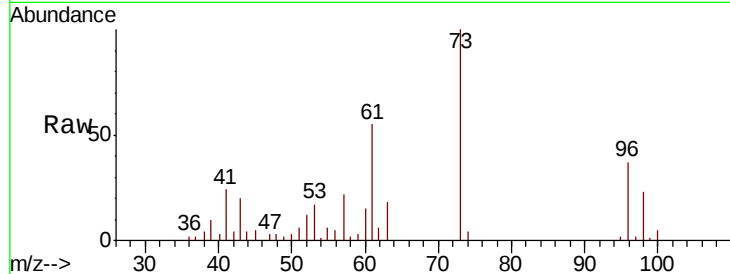
Tot Ion: 96 Resp: 25347

Ion Ratio Lower Upper

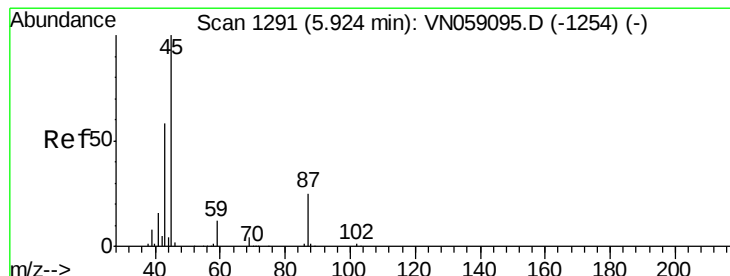
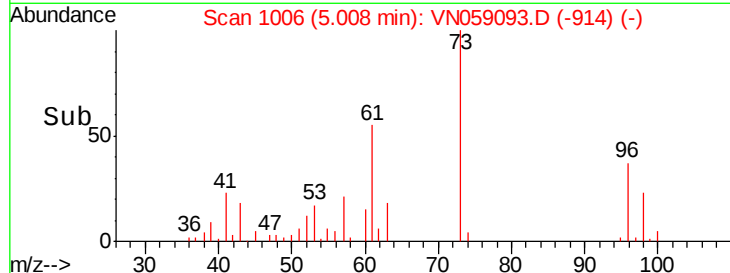
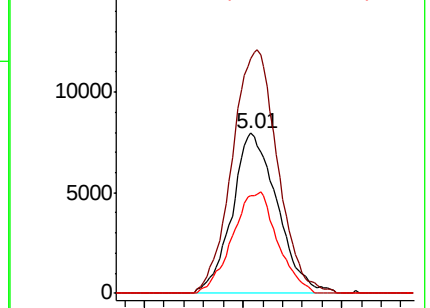
96 100

61 146.7 122.6 183.8

98 60.9 50.3 75.5



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



#22

Diisopropyl ether

Concen: 4.896 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Tgt Ion: 45 Resp: 87550

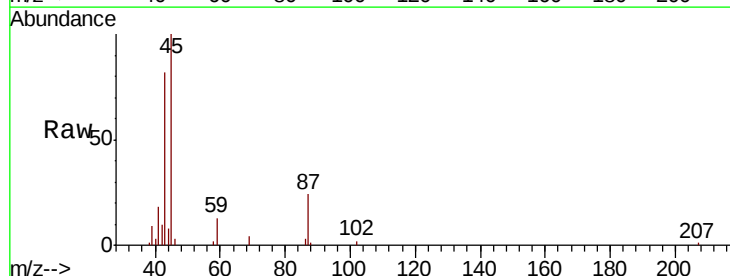
Ion Ratio Lower Upper

45 100

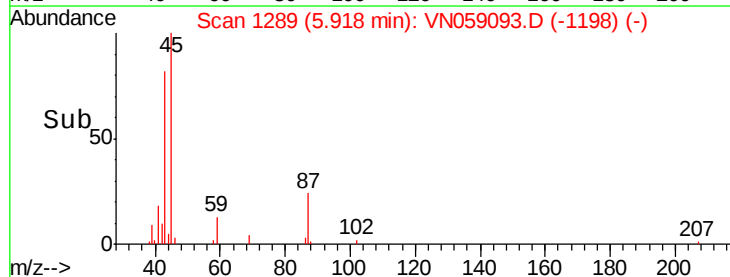
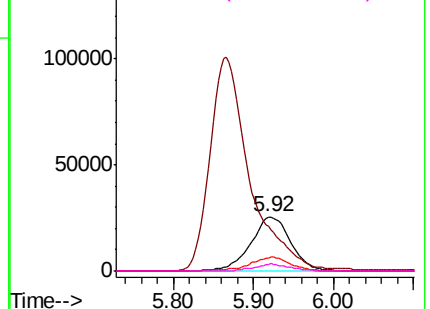
43 78.1 46.7 70.1#

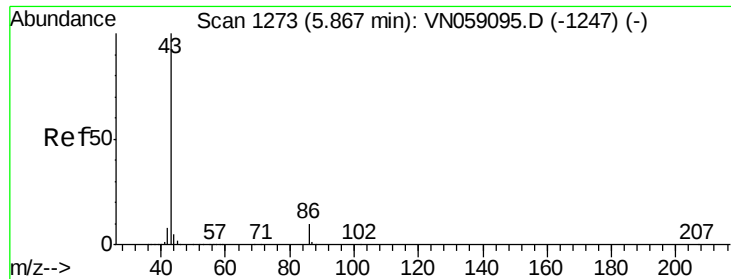
87 24.5 20.5 30.7

59 13.1 9.6 14.4



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

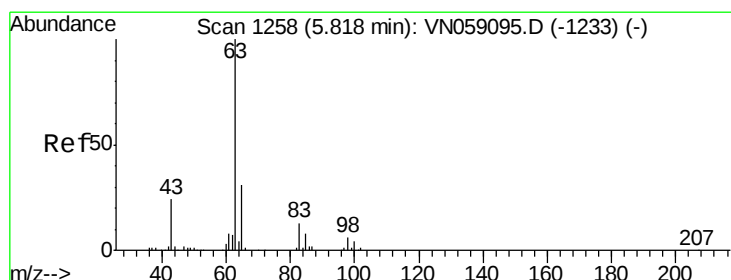
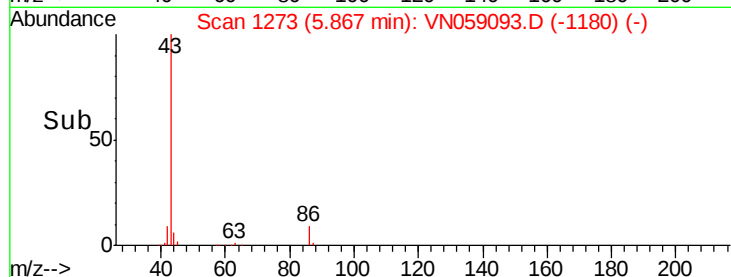
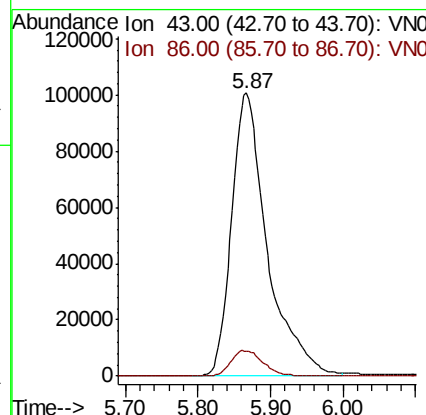
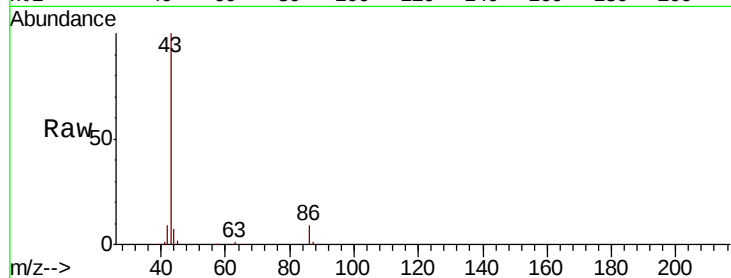




#23
 Vinyl Acetate
 Concen: 24.333 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

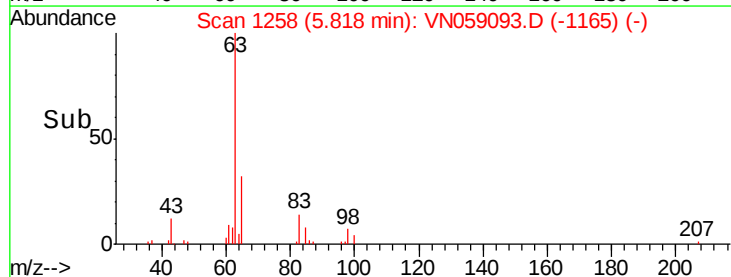
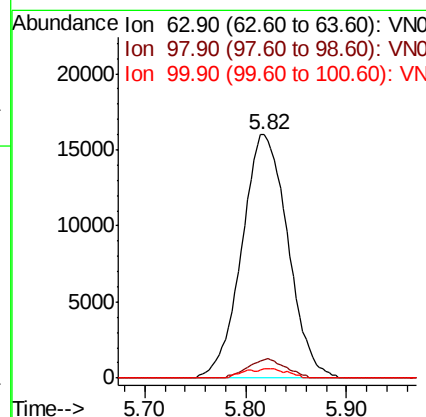
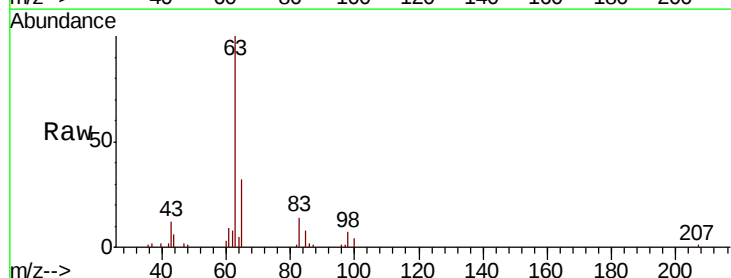
Instrument :
 MSVOA_N
 ClientSampled :

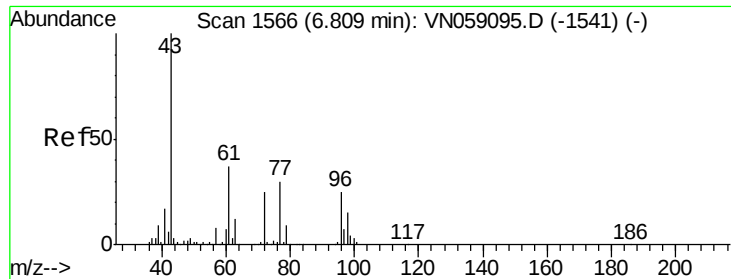
Tot Ion: 43 Resp: 345694
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 4.952 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

Tgt Ion: 63 Resp: 50660
 Ion Ratio Lower Upper
 63 100
 98 7.5 2.8 8.4
 100 3.9 1.9 5.7

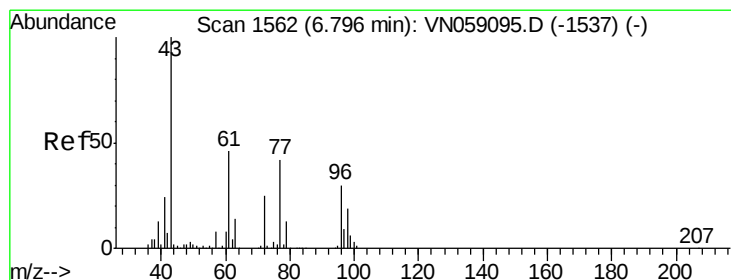
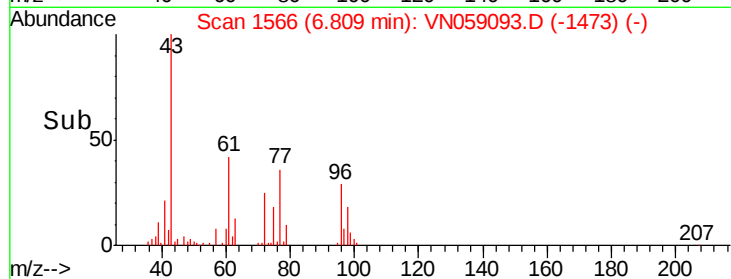
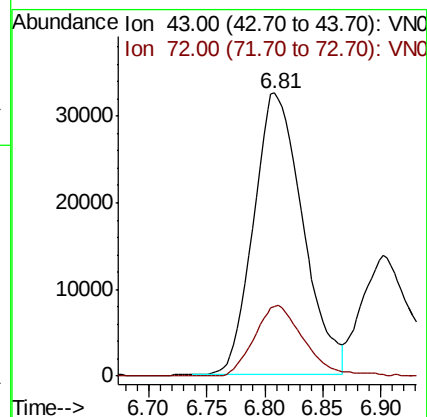
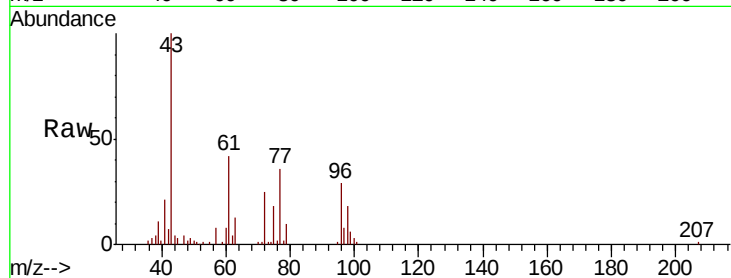




#25
2-Butanone
Concen: 22.516 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

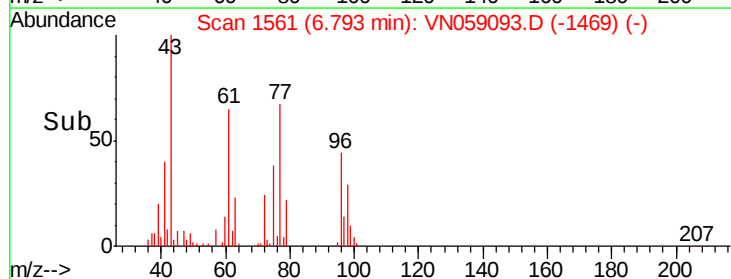
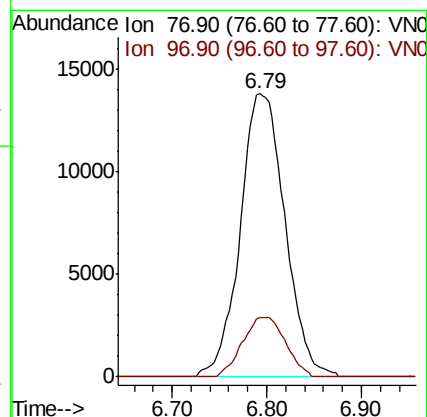
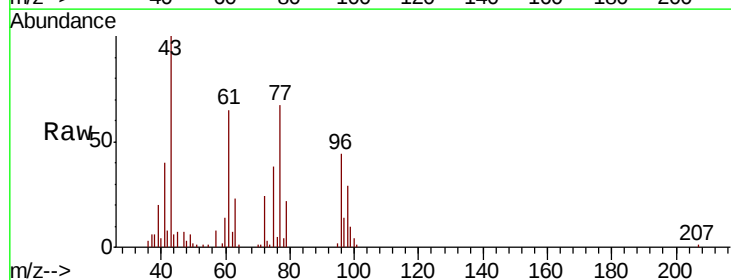
Instrument :
MSVOA_N
ClientSampled :

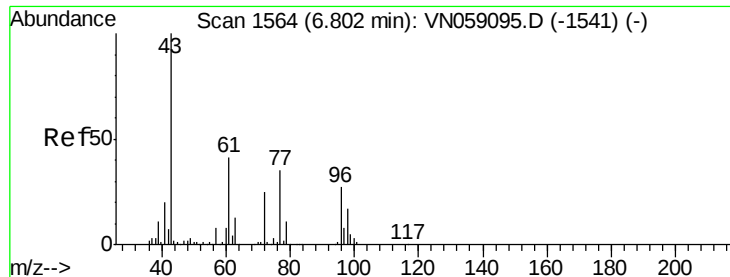
Tot Ion: 43 Resp: 96139
Ion Ratio Lower Upper
43 100
72 24.9 20.3 30.5



#26
2,2-Dichloropropane
Concen: 5.114 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 77 Resp: 45337
Ion Ratio Lower Upper
77 100
97 20.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 4.961 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

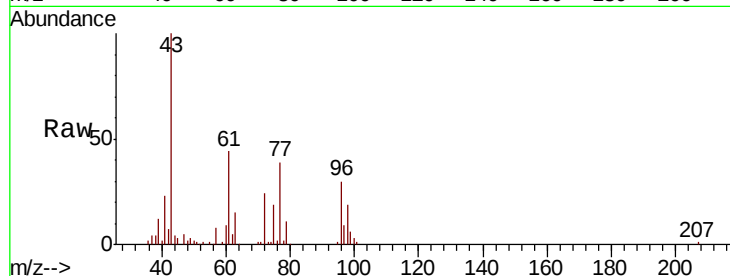
Tot Ion: 96 Resp: 28462

Ion Ratio Lower Upper

96 100

61 157.9 0.0 311.6

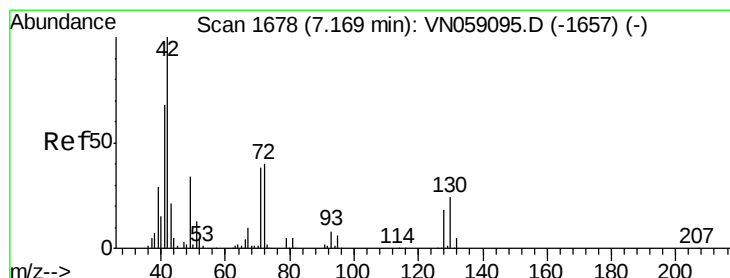
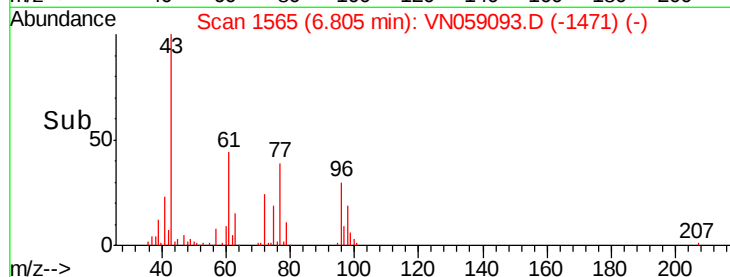
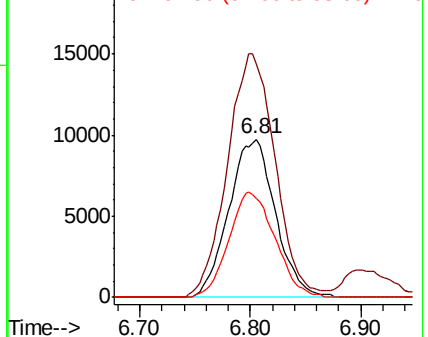
98 65.8 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059093.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN059093.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN059093.D (-1541) (-)



#28

Bromochloromethane

Concen: 5.417 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

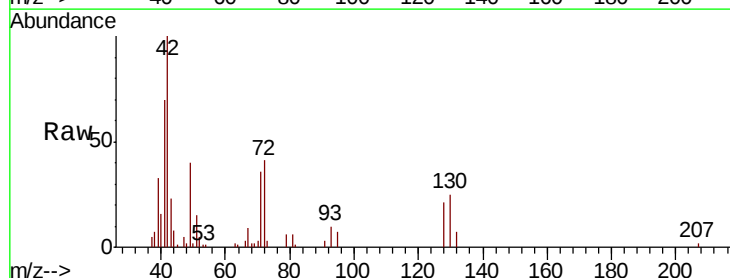
Tgt Ion: 49 Resp: 16991

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

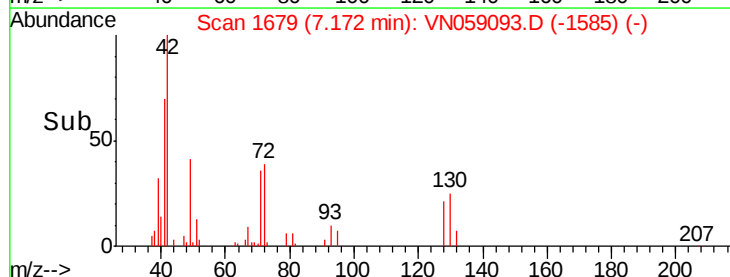
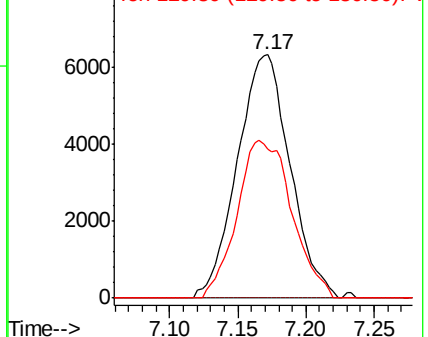
130 67.1 55.6 83.4

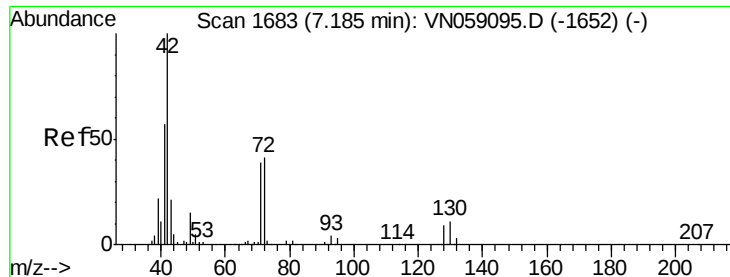


Abundance Ion 48.90 (48.60 to 49.60): VN059093.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059093.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059093.D (-1657) (-)

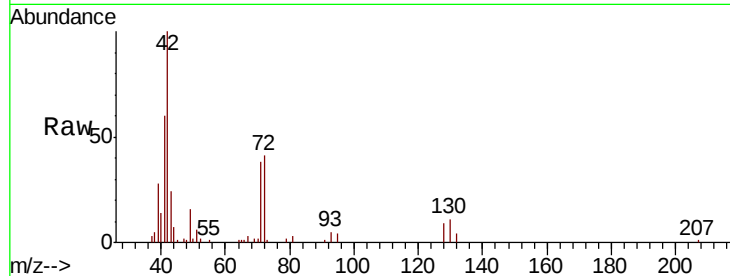




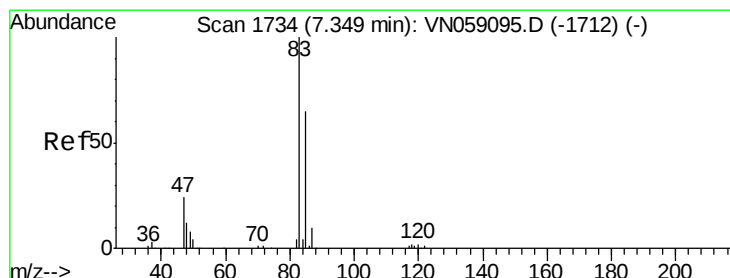
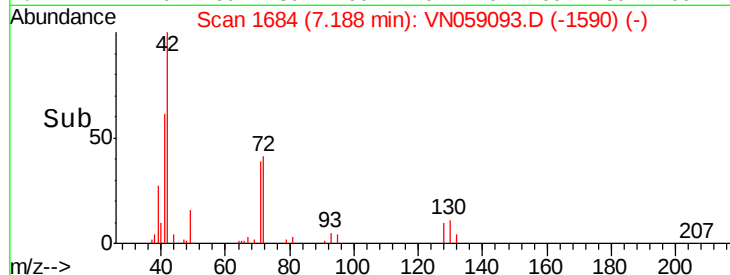
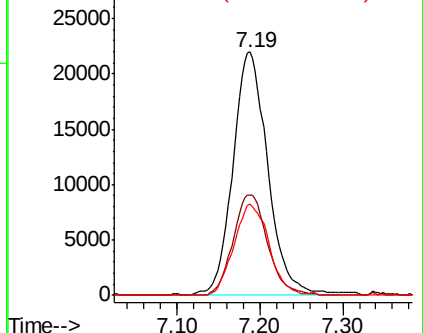
#29
Tetrahydrofuran
Concen: 23.885 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 64308
Ion Ratio Lower Upper
42 100
72 41.0 33.1 49.7
71 37.5 30.9 46.3

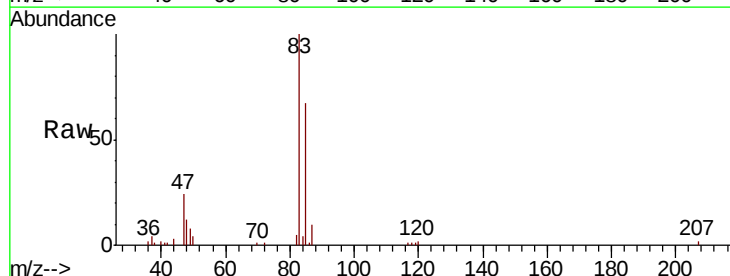


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

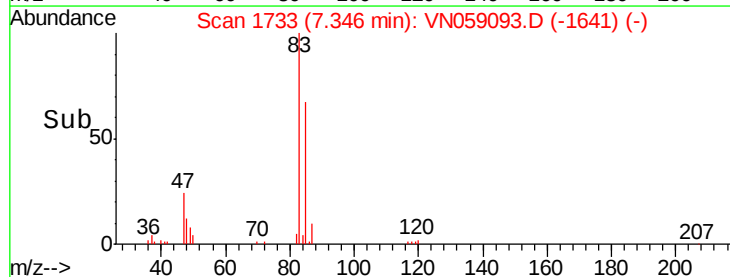
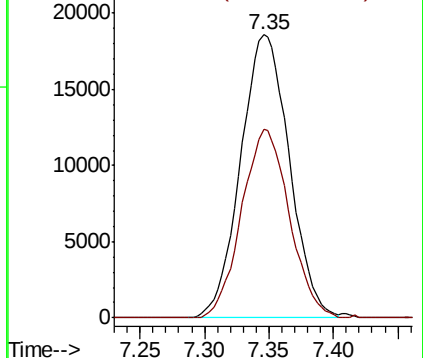


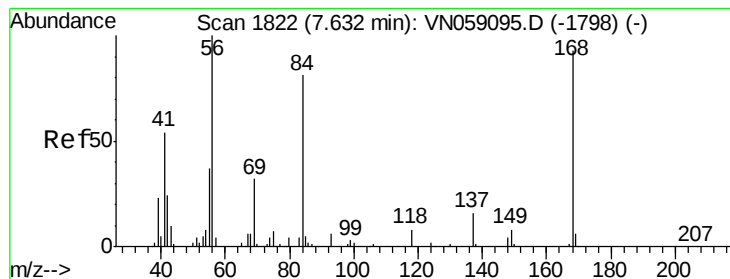
#30
Chloroform
Concen: 5.008 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 83 Resp: 48974
Ion Ratio Lower Upper
83 100
85 66.8 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: 5.460 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

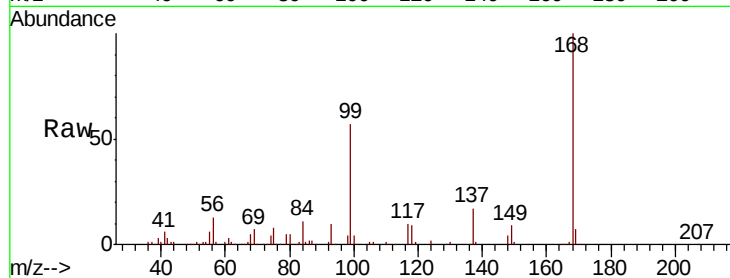
Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

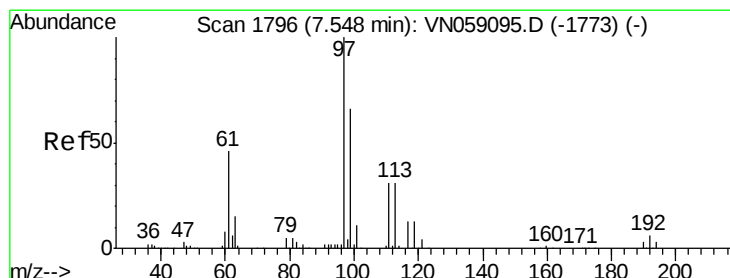
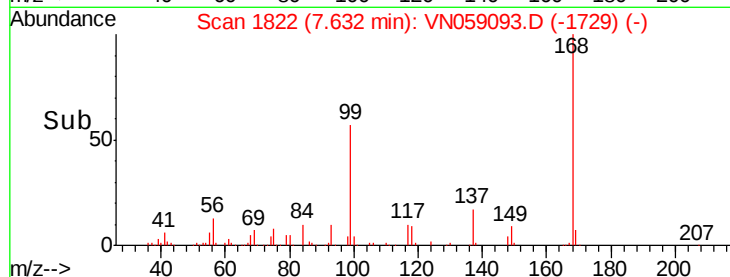
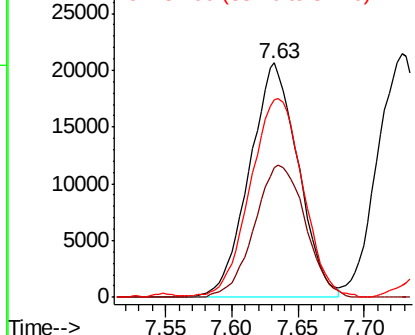
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 53056

Ion	Ratio	Lower	Upper
56	100		
69	55.2	25.8	38.8#
84	83.3	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: 4.938 ug/l

RT: 7.54 min Scan# 1795

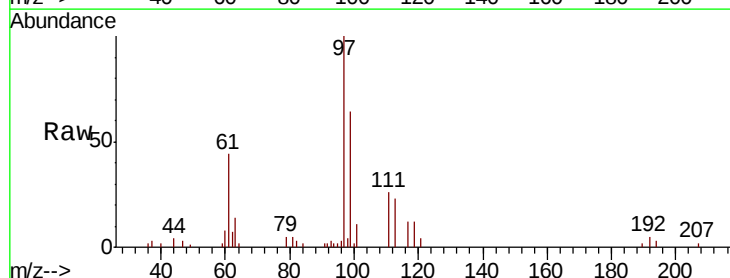
Delta R.T. -0.00 min

Lab File: VN059093.D

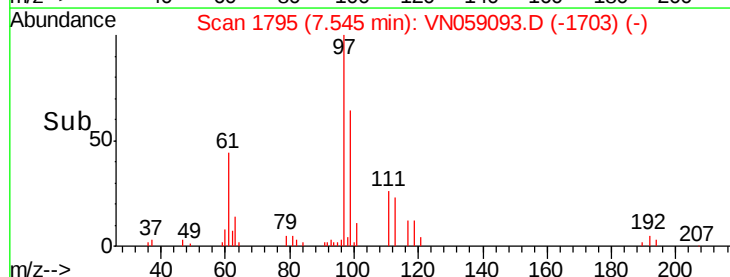
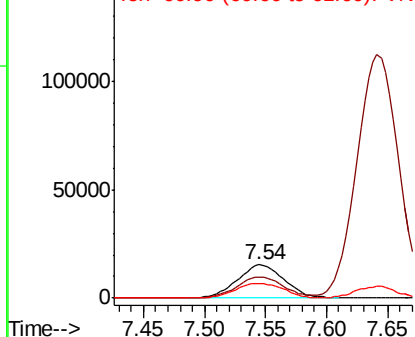
Acq: 6 Nov 2019 9:17

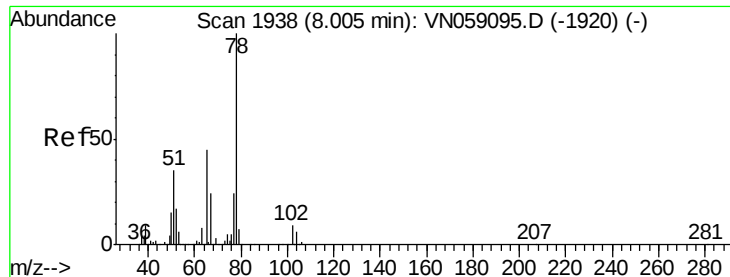
Tgt Ion: 97 Resp: 40843

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.6
61	46.4	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

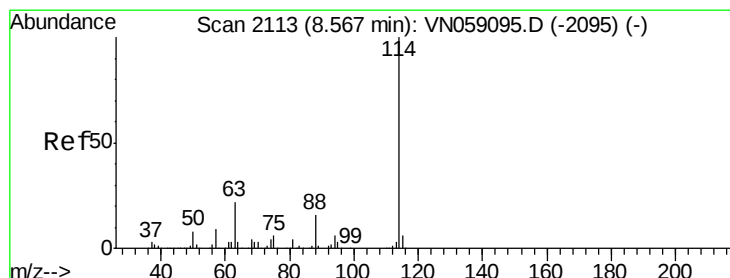
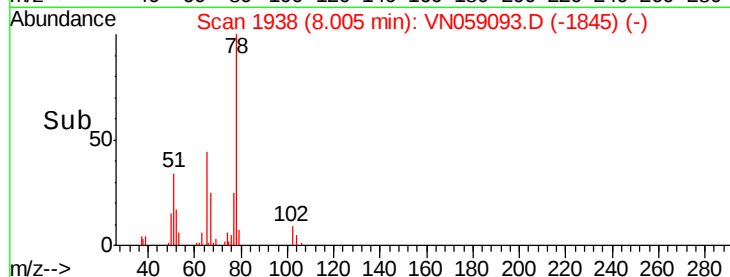
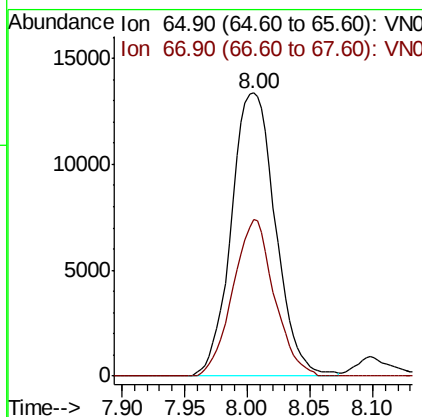
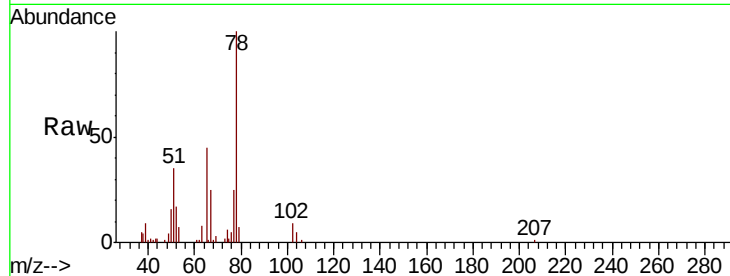




#33
 1,2-Dichloroethane-d4
 Concen: 5.263 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

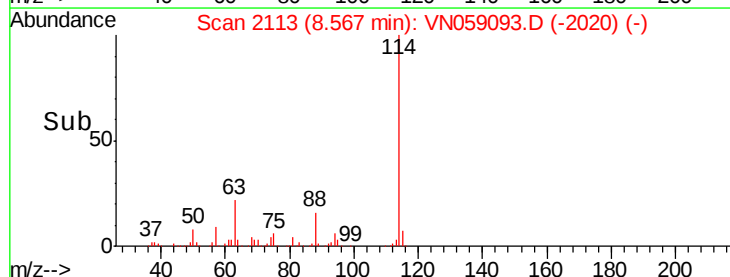
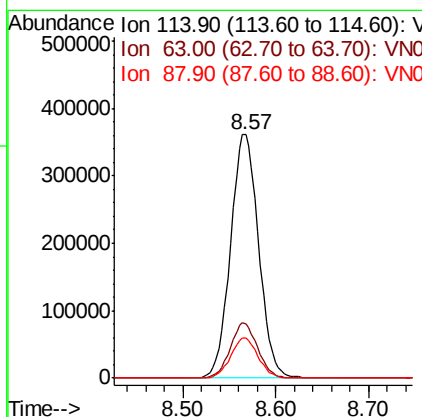
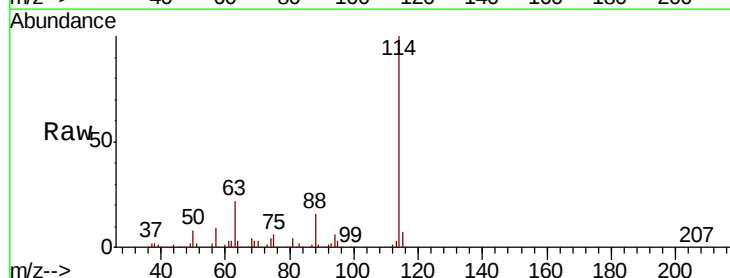
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 32696
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

Tgt Ion: 114 Resp: 758181
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.4
 88 16.3 0.0 32.2

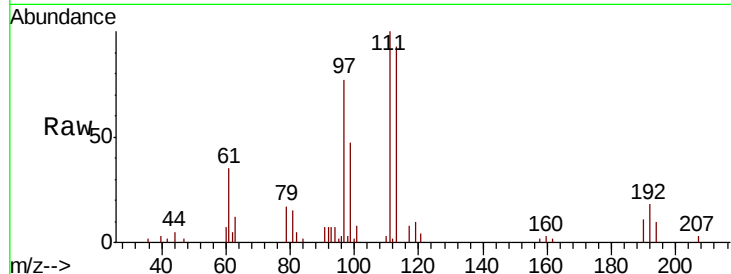




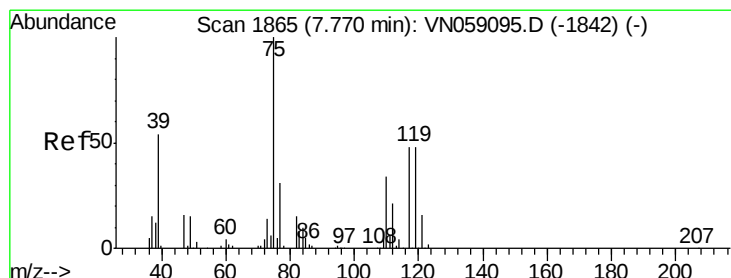
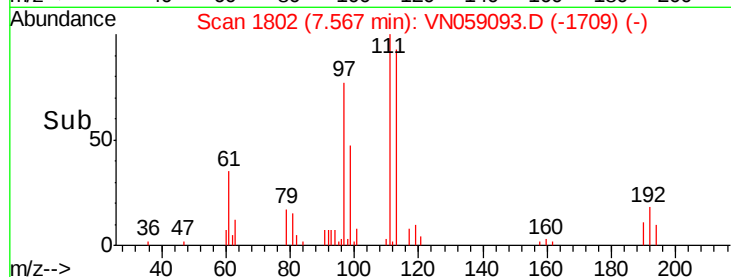
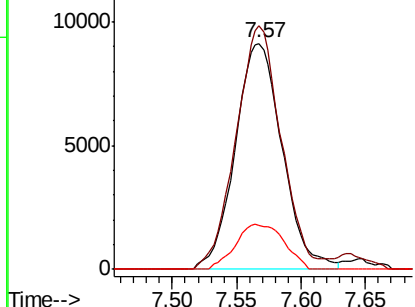
#35
Dibromofluoromethane
Concen: 4.847 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 23231
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 20.5 16.1 24.1

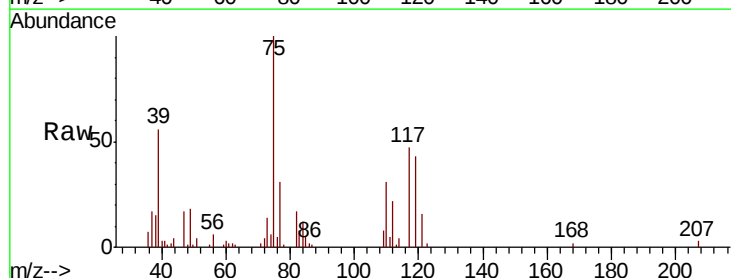


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

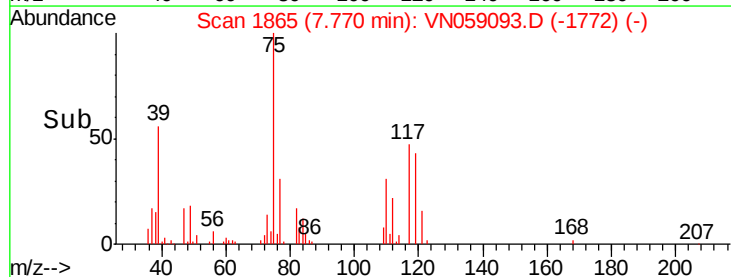
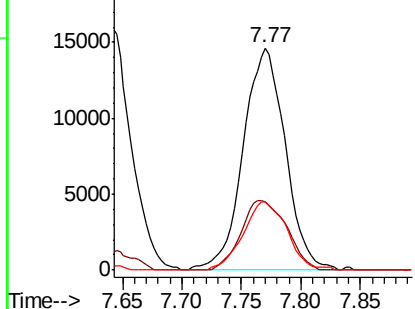


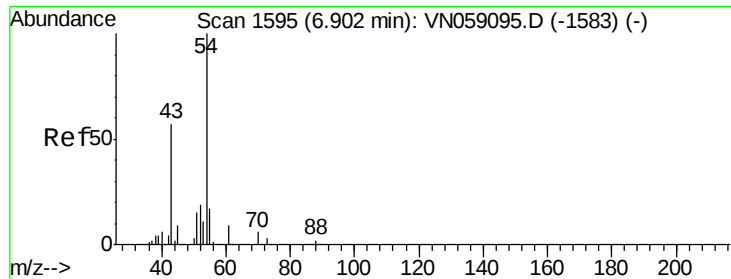
#36
1,1-Dichloropropene
Concen: 4.779 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 75 Resp: 35832
Ion Ratio Lower Upper
75 100
110 33.8 17.1 51.2
77 31.7 24.8 37.2



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

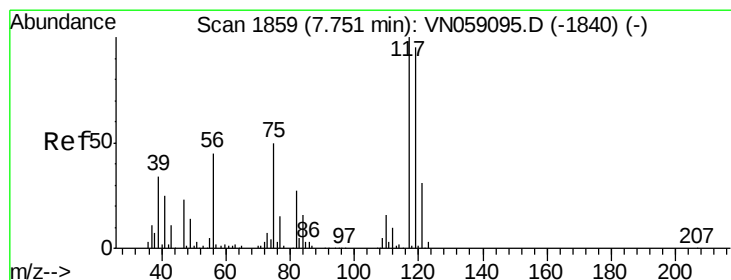
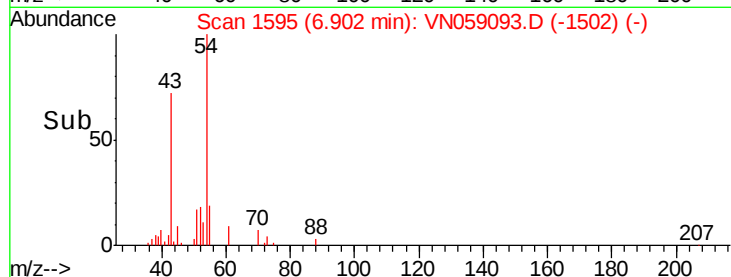
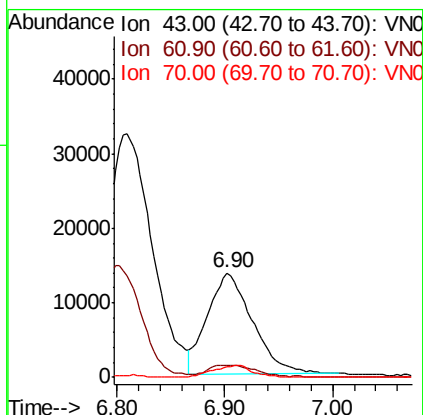
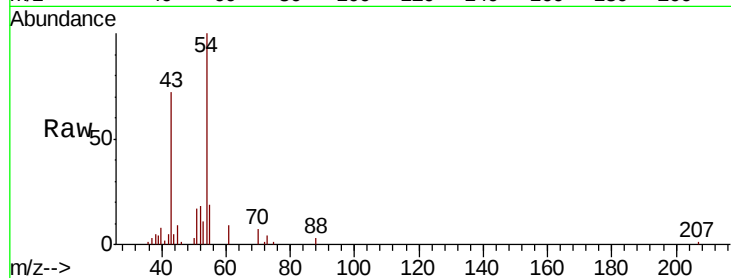




#37
Ethyl Acetate
Concen: 4.763 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

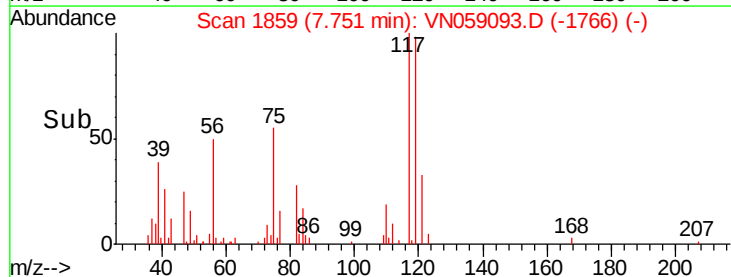
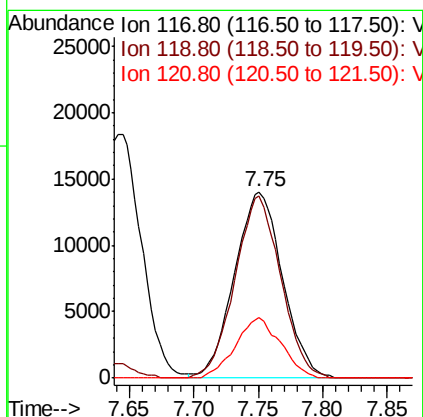
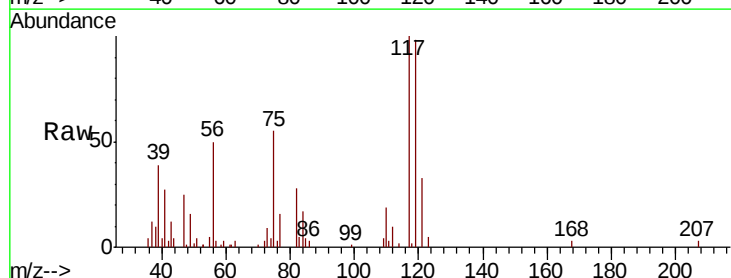
Instrument :
MSVOA_N
ClientSampled :

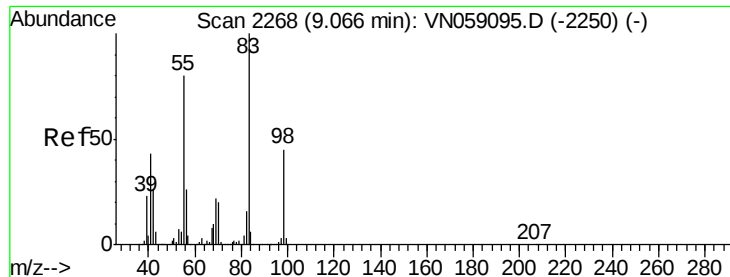
Tot Ion: 43 Resp: 39737
Ion Ratio Lower Upper
43 100
61 13.0 11.2 16.8
70 10.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 4.971 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 117 Resp: 36364
Ion Ratio Lower Upper
117 100
119 97.7 75.6 113.4
121 32.6 24.6 36.8

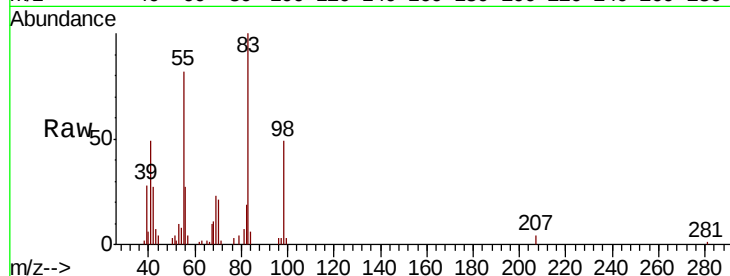




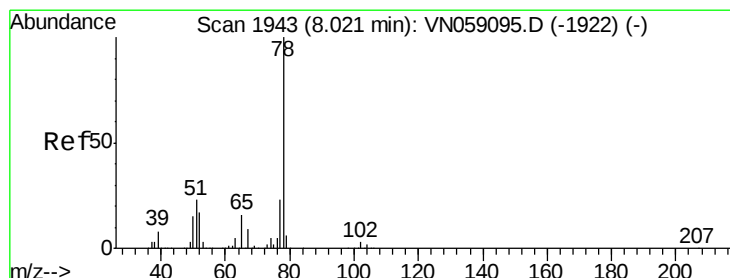
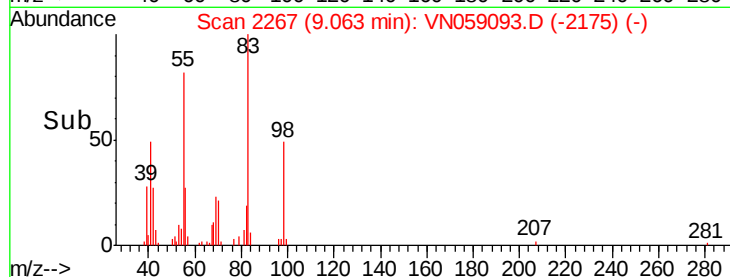
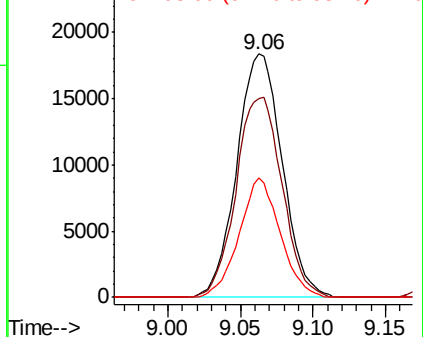
#39
Methvlcvclohexane
Concen: 4.617 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 39895
Ion Ratio Lower Upper
83 100
55 81.9 63.9 95.9
98 49.3 35.6 53.4

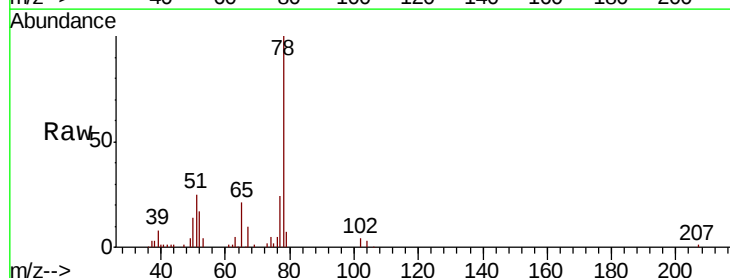


Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 55.00 (54.70 to 55.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

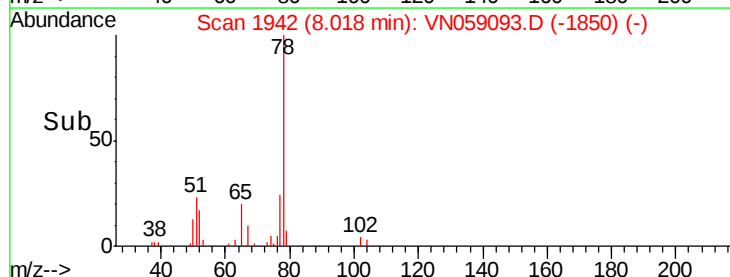
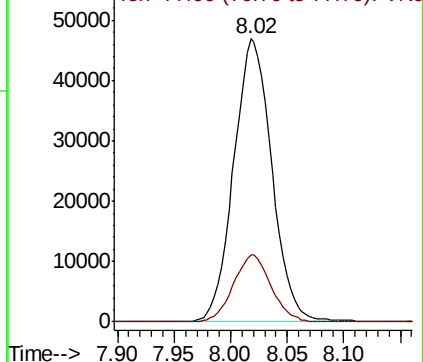


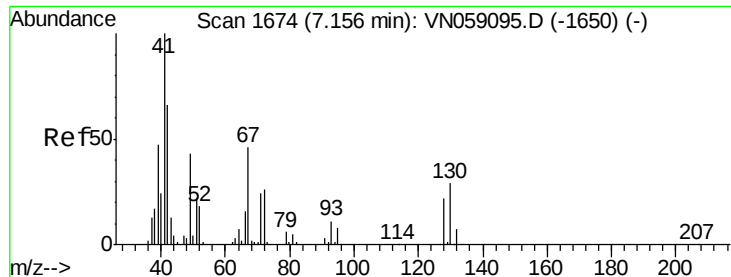
#40
Benzene
Concen: 4.933 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 78 Resp: 110050
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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

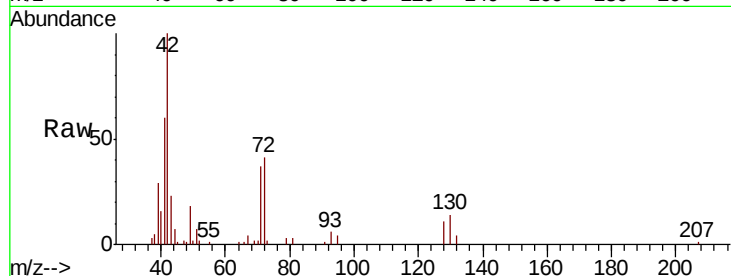




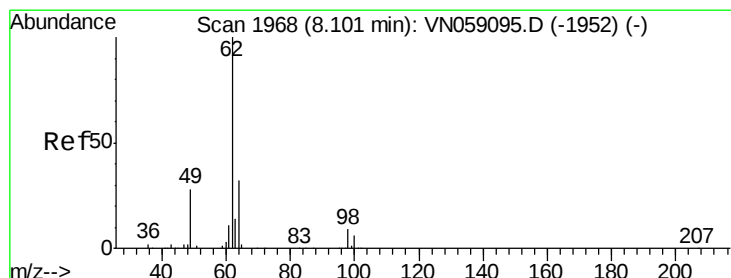
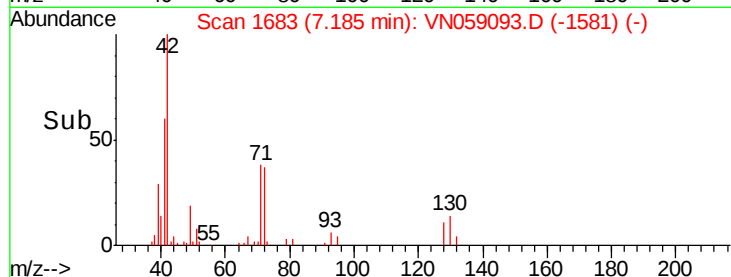
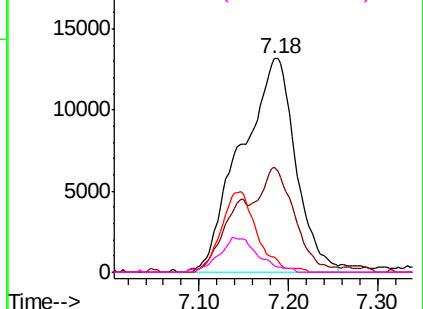
#41
Methacrylonitrile
Concen: 15.453 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	56034
Ion	Ratio	Lower	Upper
41	100		
39	25.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

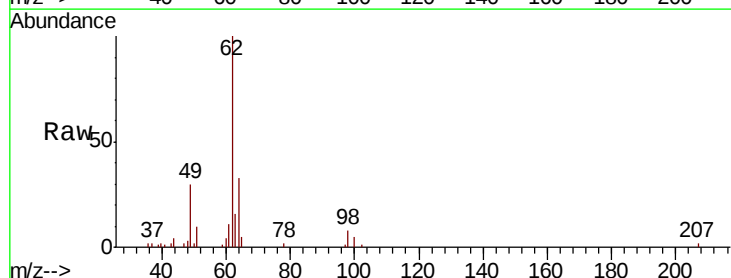


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

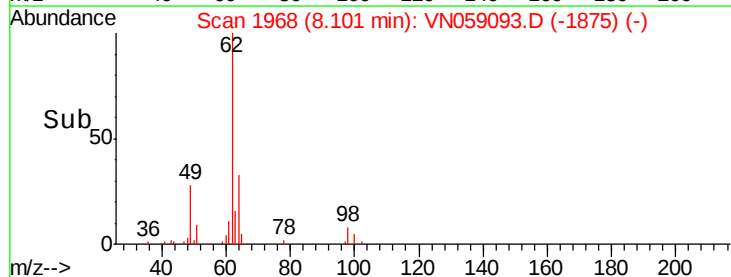
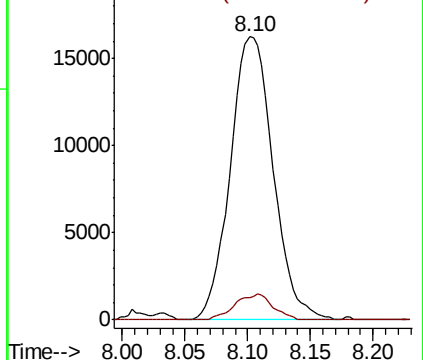


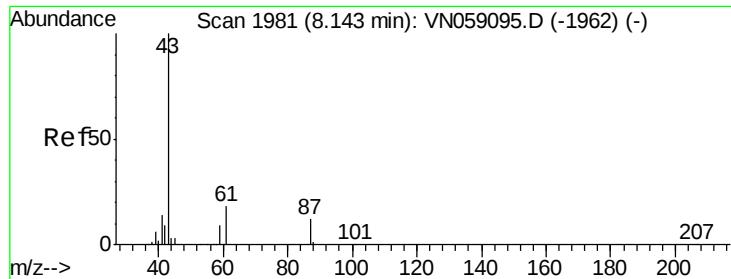
#42
1,2-Dichloroethane
Concen: 4.979 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion:	62	Resp:	38603
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.8



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

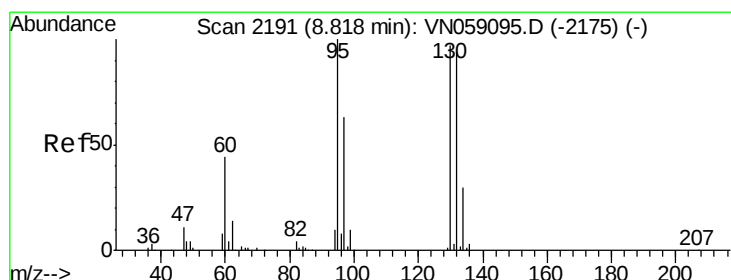
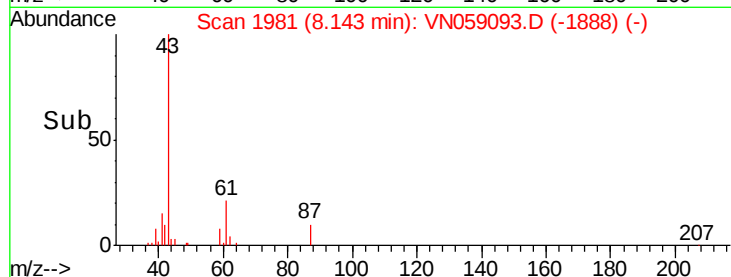
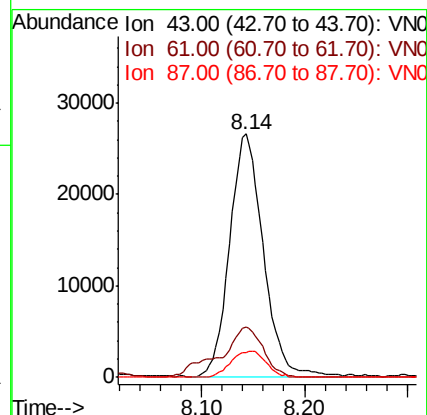
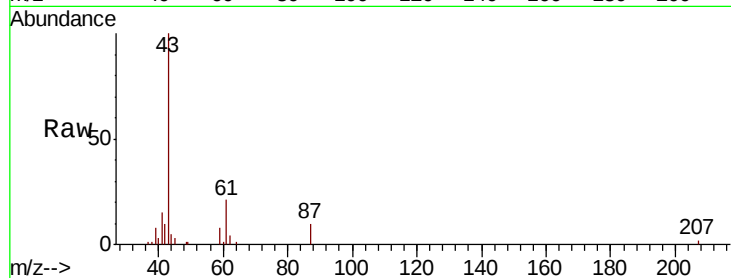




#43
Isopropyl Acetate
Concen: 4.680 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

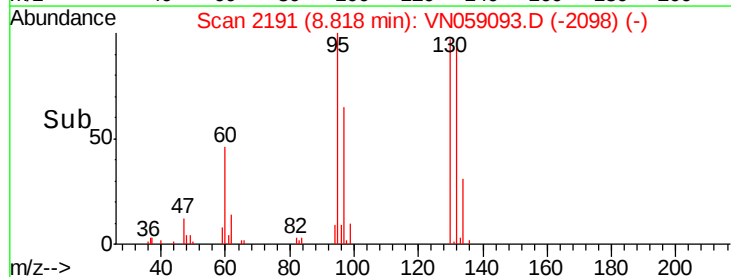
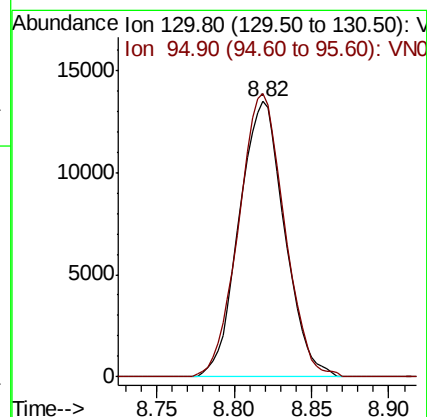
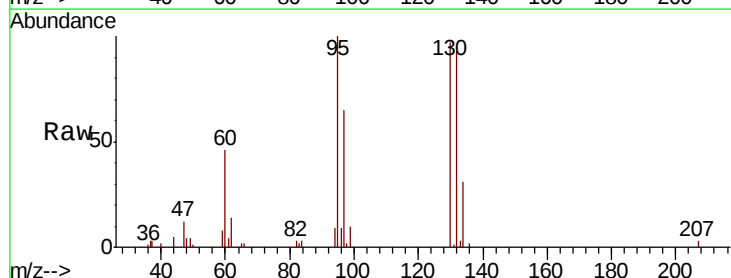
Instrument :
MSVOA_N
ClientSampleId :

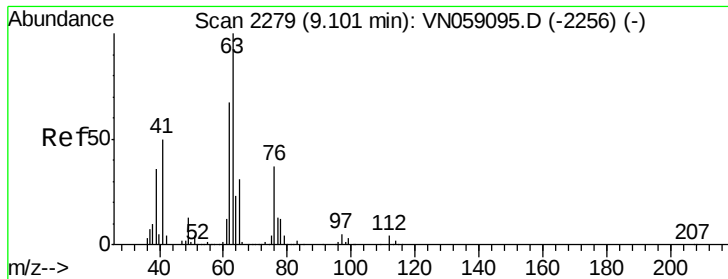
Tot Ion: 43 Resp: 60924
Ion Ratio Lower Upper
43 100
61 26.5 21.0 31.6
87 11.1 9.8 14.6



#44
Trichloroethene
Concen: 5.000 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 130 Resp: 27478
Ion Ratio Lower Upper
130 100
95 102.8 0.0 206.4

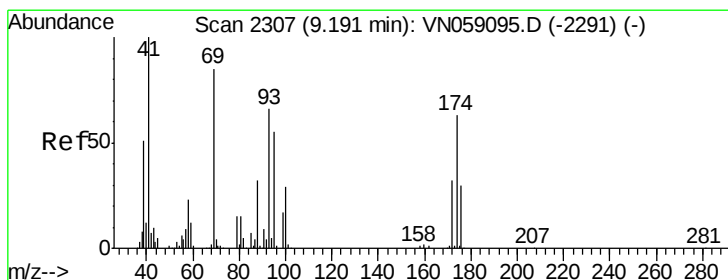
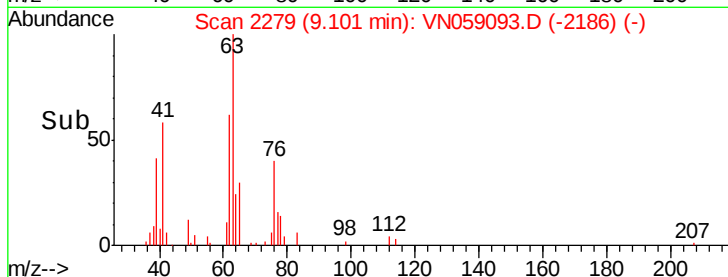
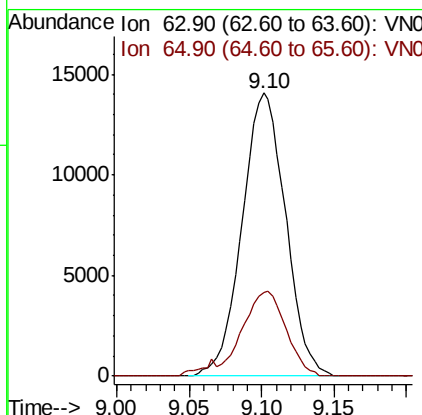
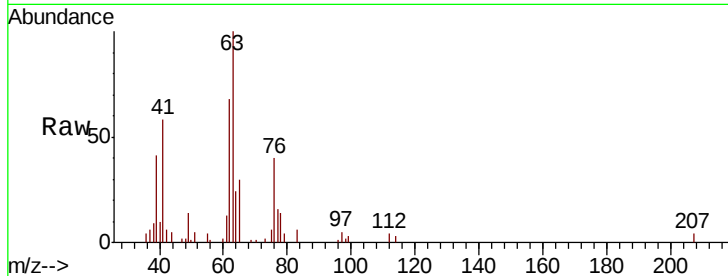




#45
 1,2-Dichloropropane
 Concen: 4.860 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

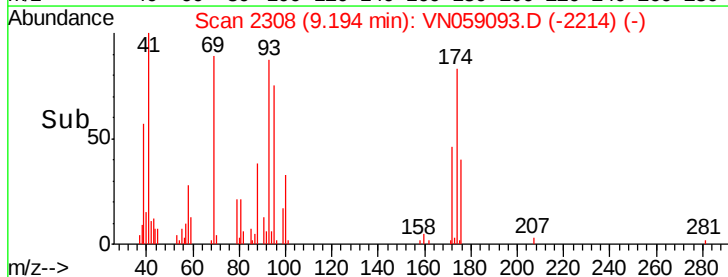
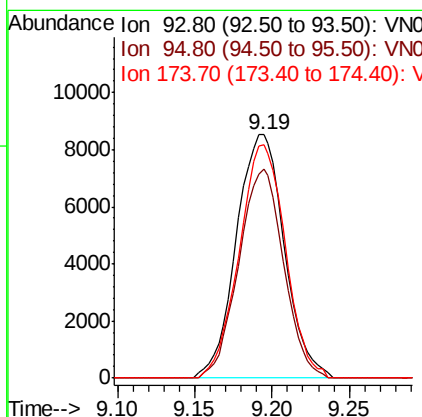
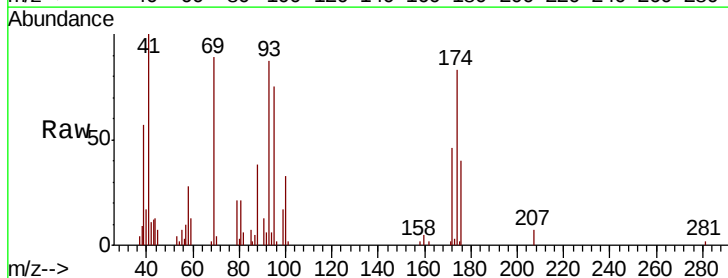
Instrument :
 MSVOA_N
 ClientSampleId :

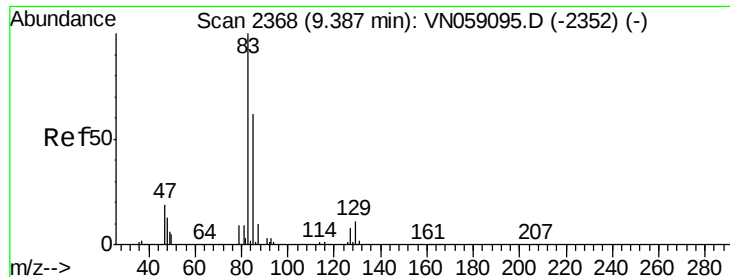
Tot Ion: 63 Resp: 29350
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.6 37.0



#46
 Dibromomethane
 Concen: 4.935 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

Tgt Ion: 93 Resp: 18399
 Ion Ratio Lower Upper
 93 100
 95 80.3 66.6 100.0
 174 92.1 78.2 117.2





#47

Bromodichloromethane

Concen: 4.696 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :

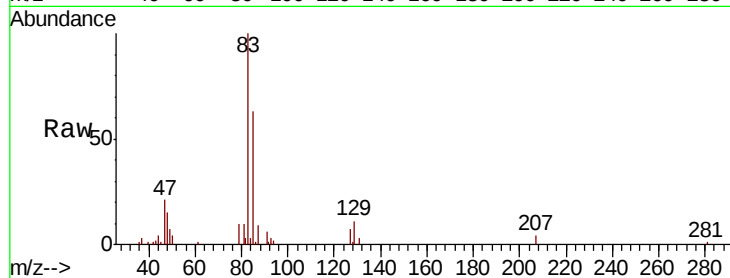
Tot Ion: 83 Resp: 35522

Ion Ratio Lower Upper

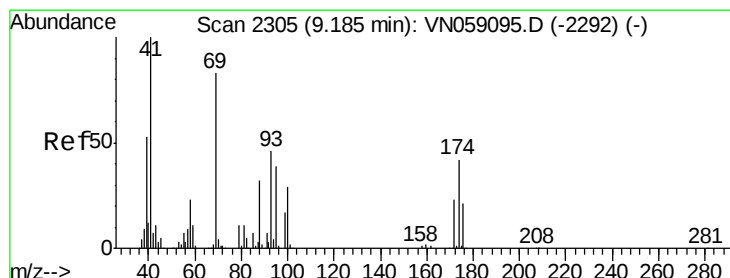
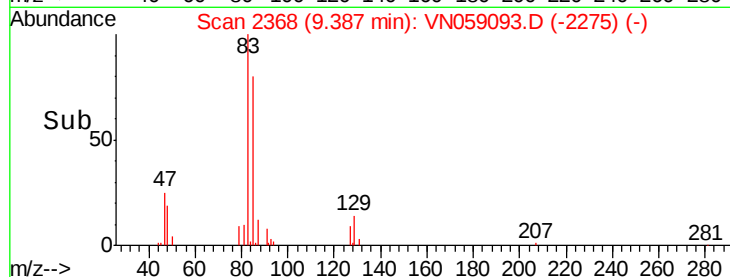
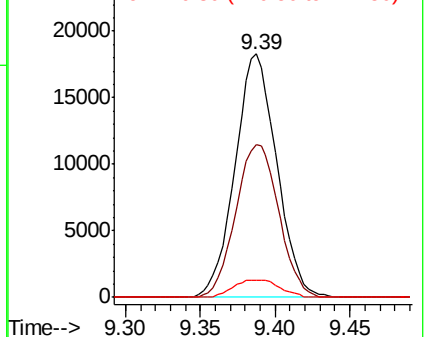
83 100

85 62.6 49.7 74.5

127 7.1 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.398 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

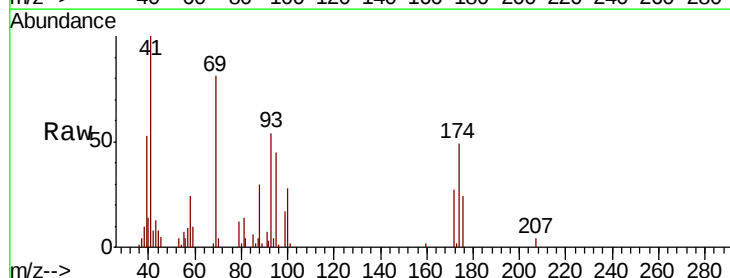
Tgt Ion: 41 Resp: 26121

Ion Ratio Lower Upper

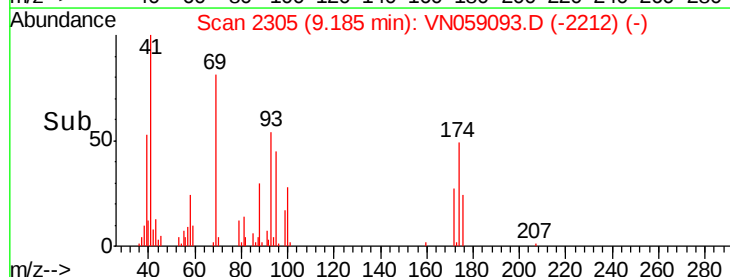
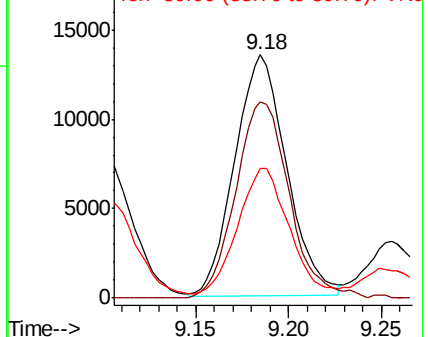
41 100

69 84.4 67.3 100.9

39 54.9 43.3 64.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

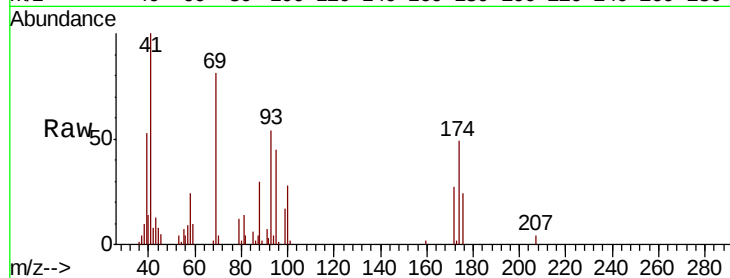




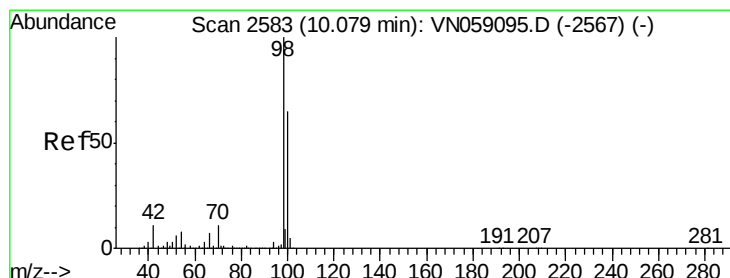
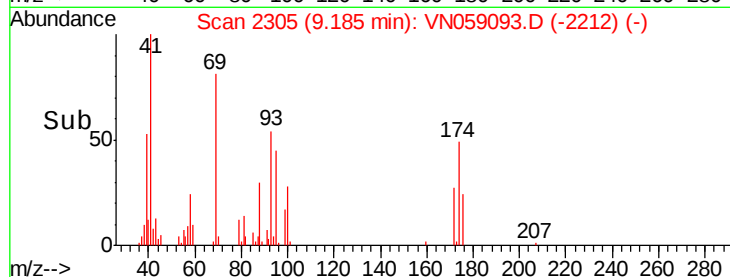
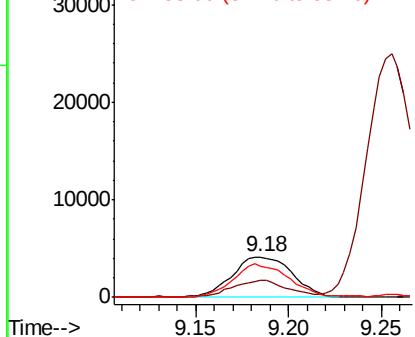
#49
1,4-Dioxane
Concen: 96.127 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 9251
Ion Ratio Lower Upper
88 100
43 39.6 26.3 39.5#
58 76.5 60.6 90.8

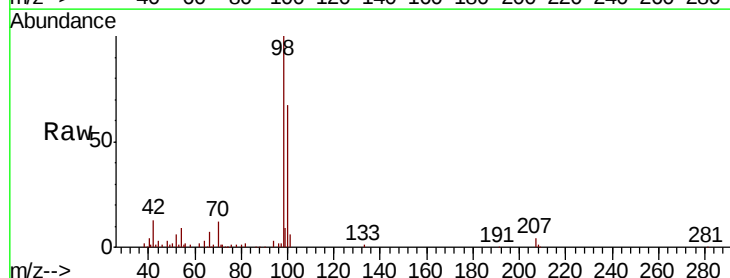


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

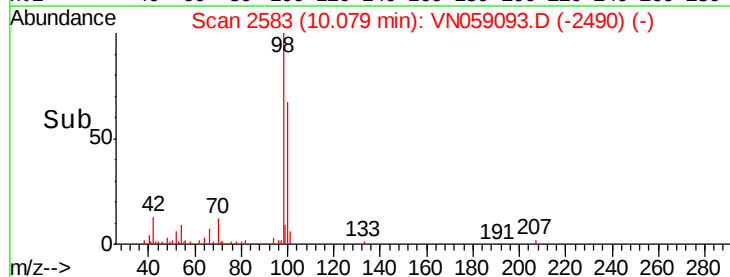
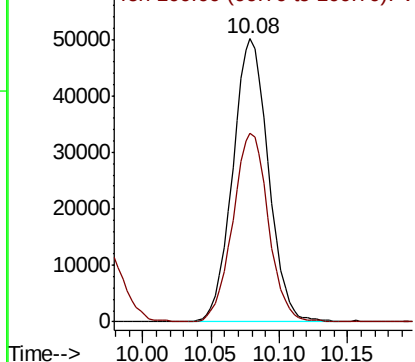


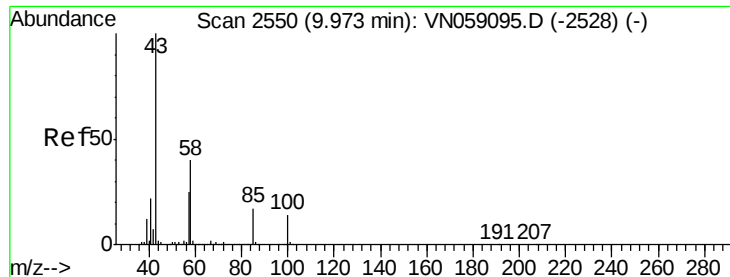
#50
Toluene-d8
Concen: 4.885 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 98 Resp: 90929
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.2



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

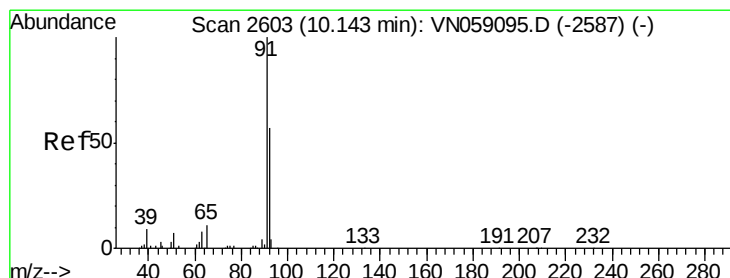
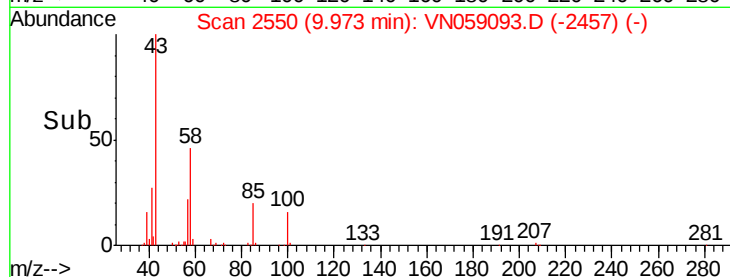
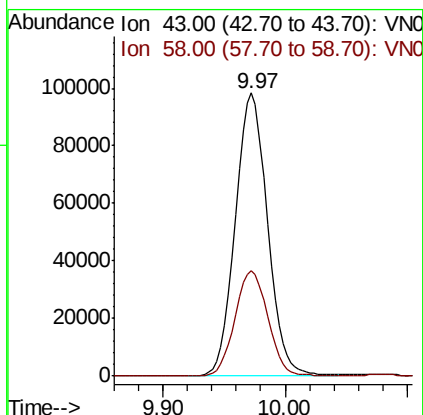
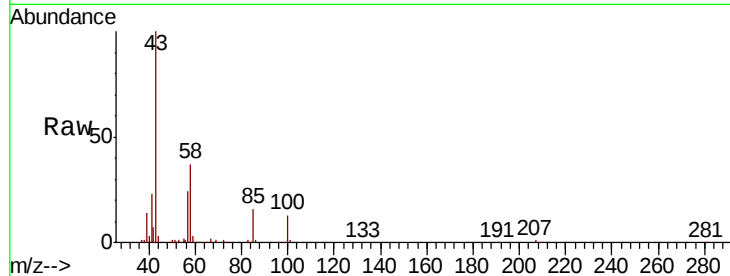




#51
4-Methyl-2-Pentanone
Concen: 23.760 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

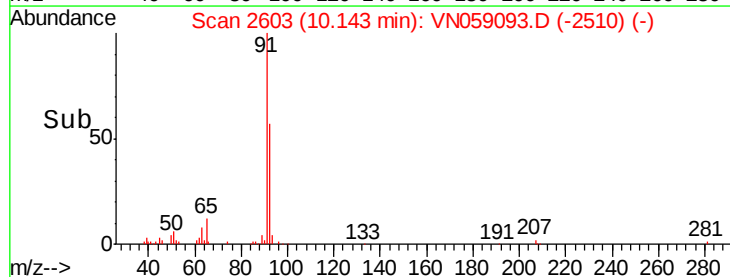
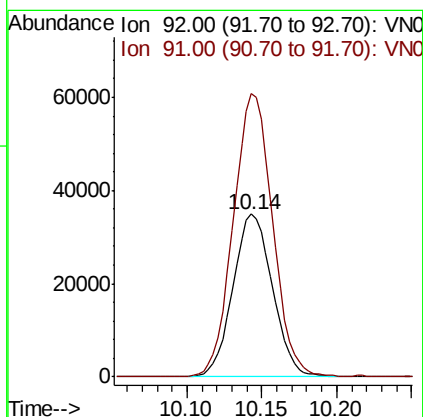
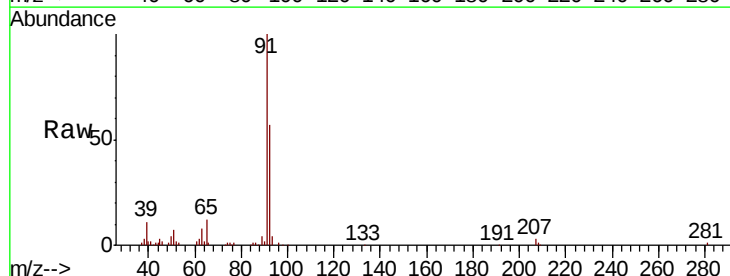
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 180195
Ion Ratio Lower Upper
43 100
58 37.9 31.5 47.3



#52
Toluene
Concen: 4.923 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 92 Resp: 64244
Ion Ratio Lower Upper
92 100
91 173.0 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 4.545 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

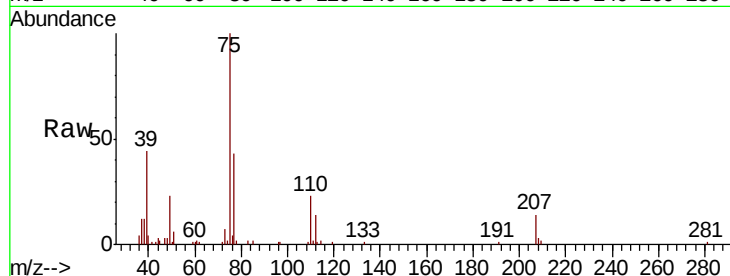
ClientSampled :

Tot Ion: 75 Resp: 39645

Ion Ratio Lower Upper

75 100

77 37.2 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

10.37

25000

20000

15000

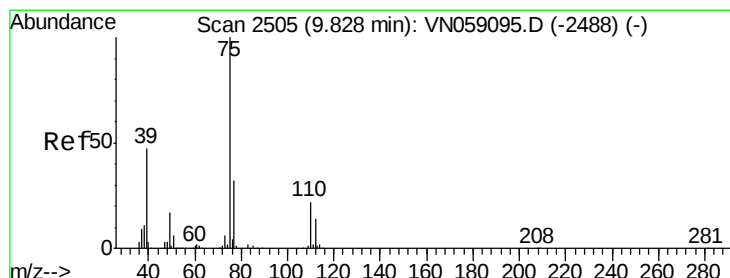
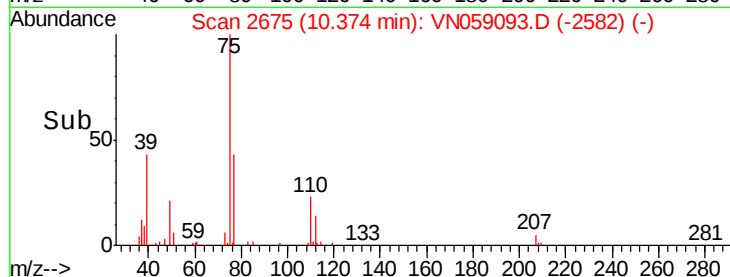
10000

5000

0

Time-->

10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 4.759 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

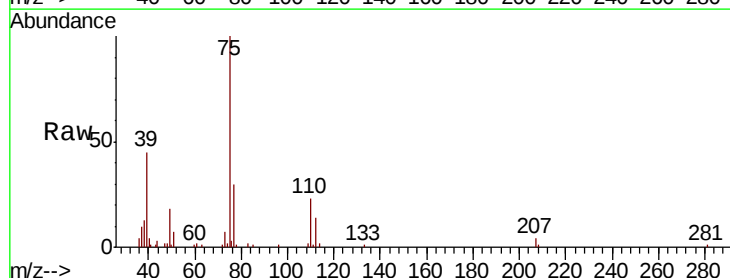
Tgt Ion: 75 Resp: 43745

Ion Ratio Lower Upper

75 100

77 30.3 25.5 38.3

39 45.3 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

9.83

30000

25000

20000

15000

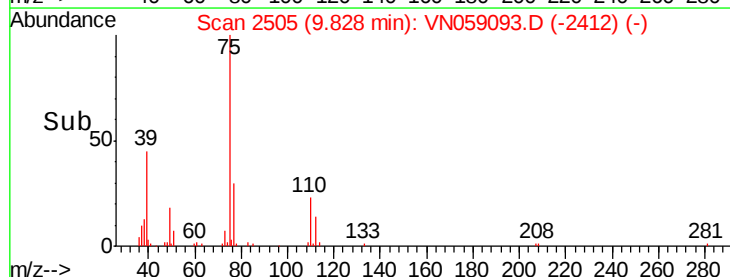
10000

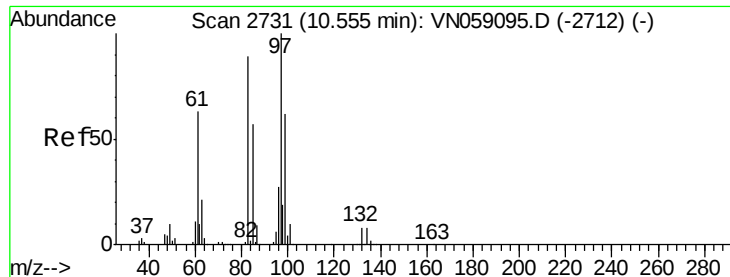
5000

0

Time-->

9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 4.993 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 26642

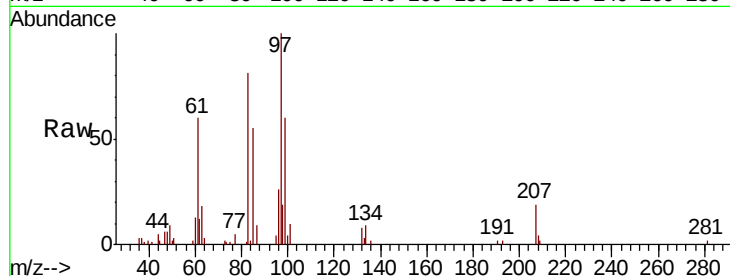
Ion Ratio Lower Upper

97 100

83 80.7 71.0 106.4

85 55.5 45.8 68.8

99 59.6 49.4 74.0

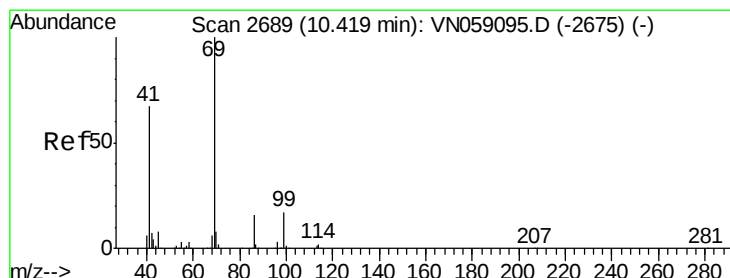
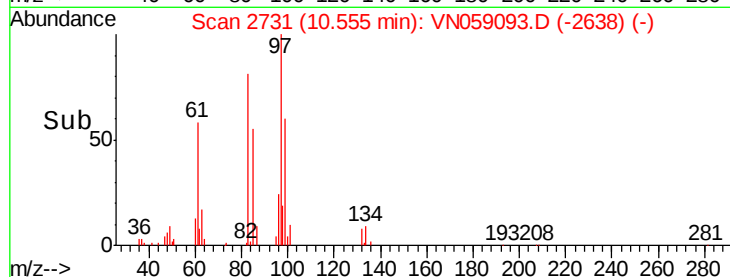
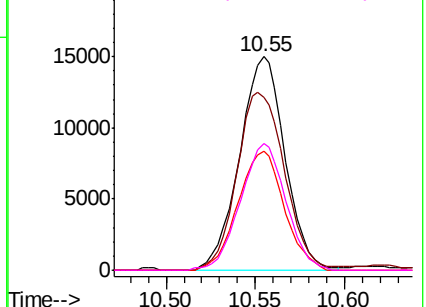


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 4.320 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

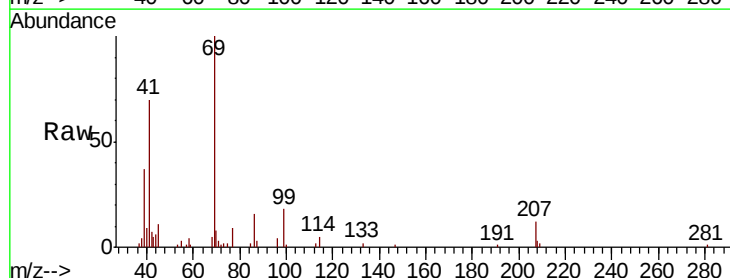
Tgt Ion: 69 Resp: 34657

Ion Ratio Lower Upper

69 100

41 70.1 53.6 80.4

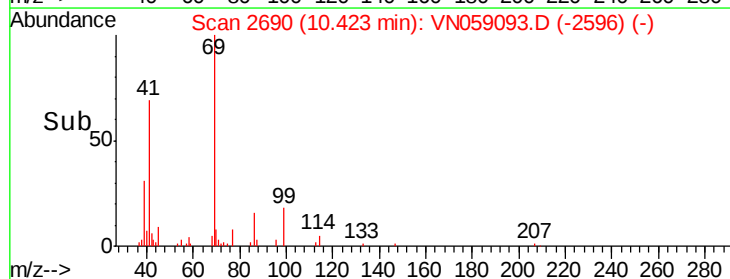
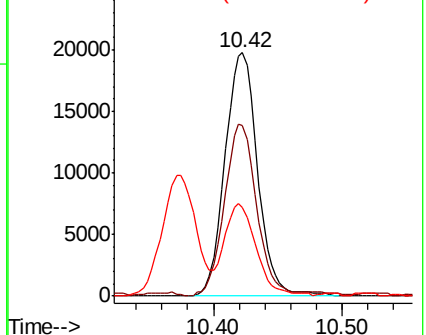
39 34.7 26.2 39.4

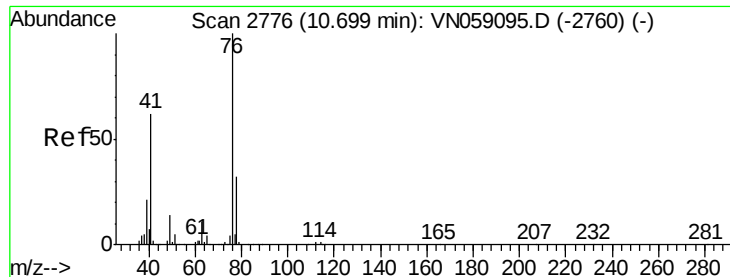


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 4.715 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

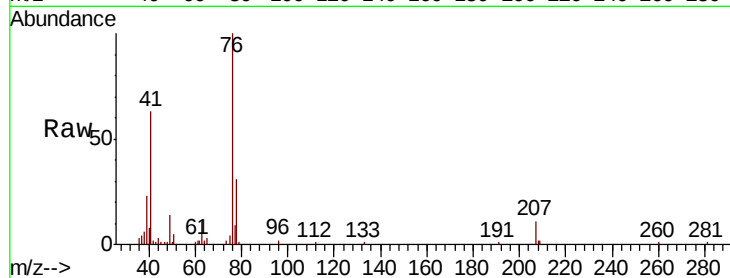
ClientSampleId :

Tot Ion: 76 Resp: 43683

Ion Ratio Lower Upper

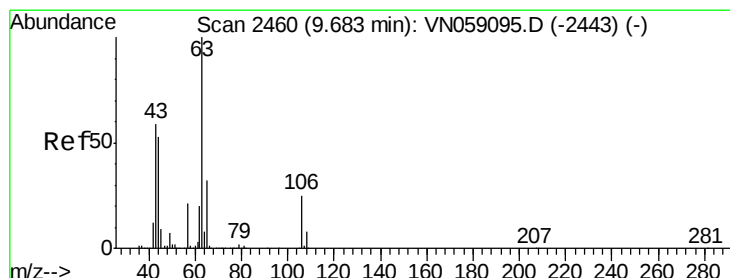
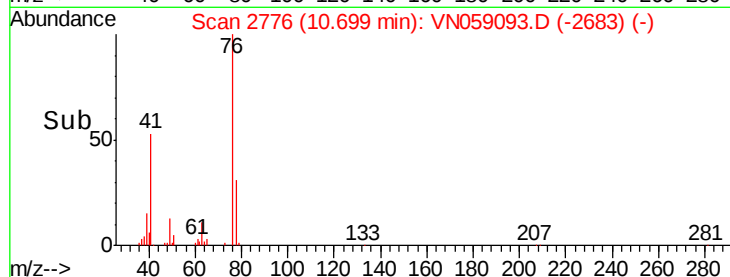
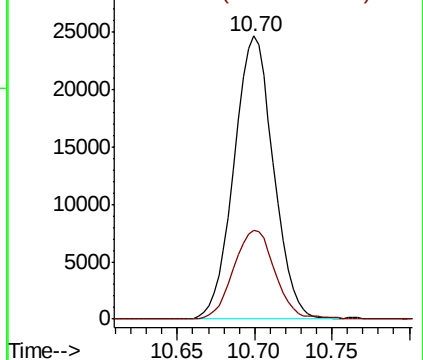
76 100

78 33.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 21.587 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059093.D

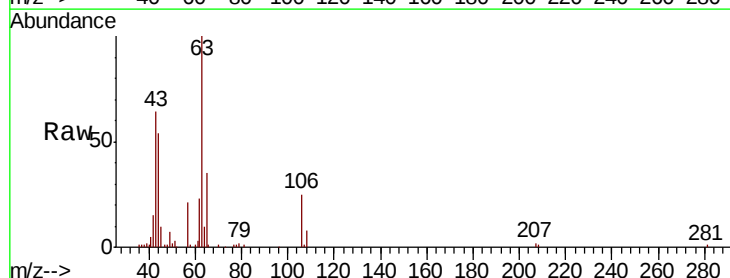
Acq: 6 Nov 2019 9:17

Tgt Ion: 63 Resp: 68726

Ion Ratio Lower Upper

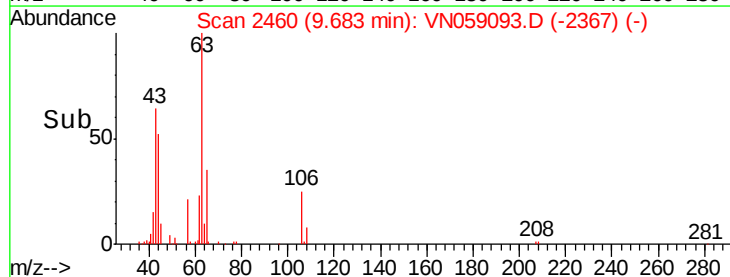
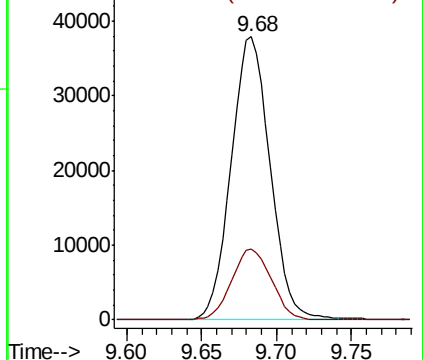
63 100

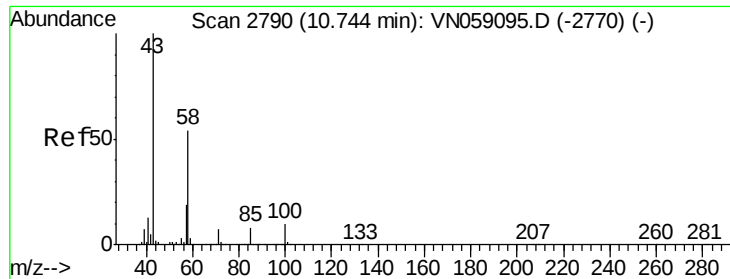
106 25.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

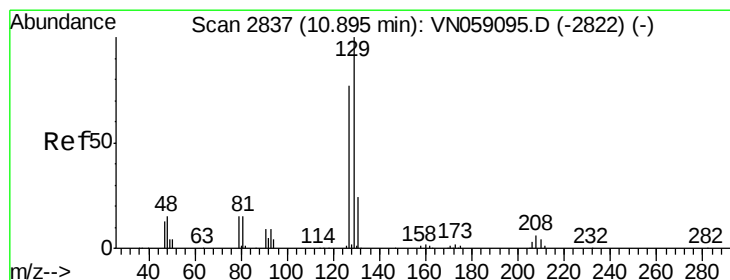
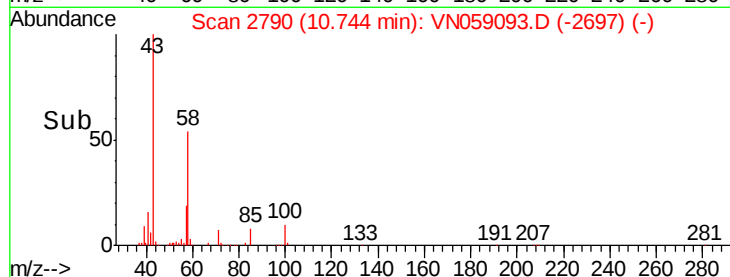
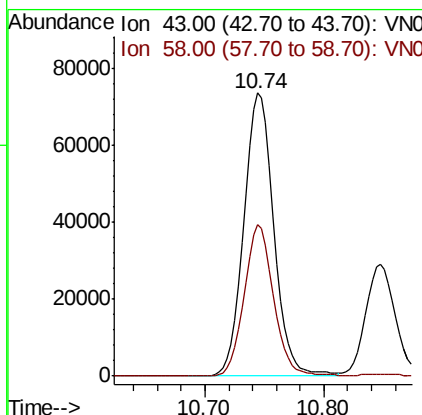
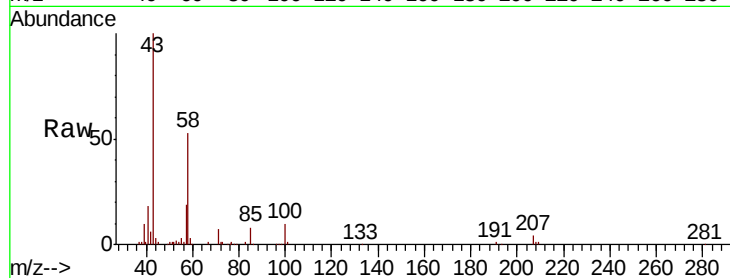




#59
2-Hexanone
Concen: 22.333 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

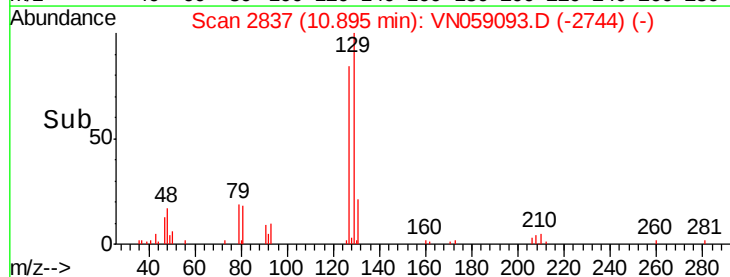
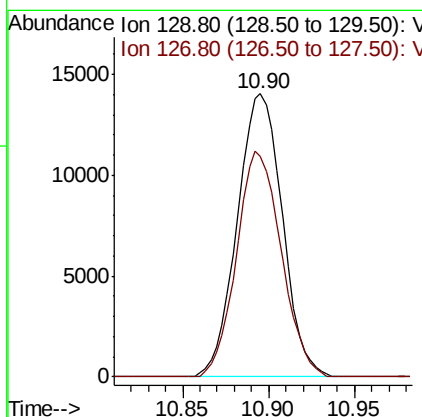
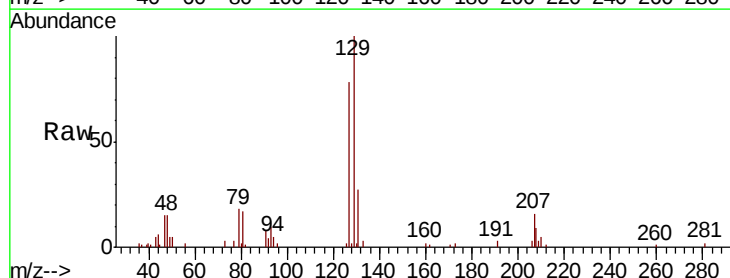
Instrument :
MSVOA_N
ClientSampleId :

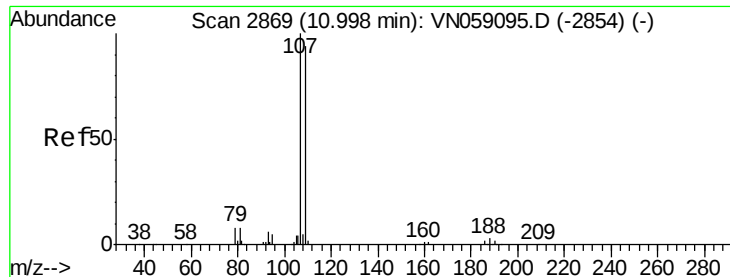
Tot Ion: 43 Resp: 128668
Ion Ratio Lower Upper
43 100
58 52.2 27.3 81.8



#60
Dibromochloromethane
Concen: 4.462 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 129 Resp: 25563
Ion Ratio Lower Upper
129 100
127 78.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 4.809 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

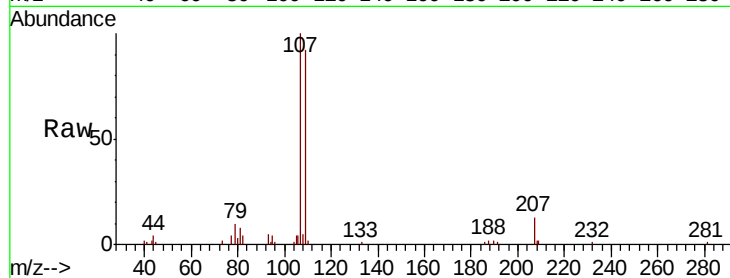
ClientSampleId :

Tot Ion:107 Resp: 25907

Ion Ratio Lower Upper

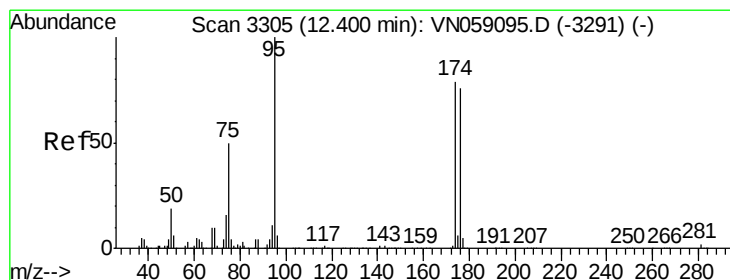
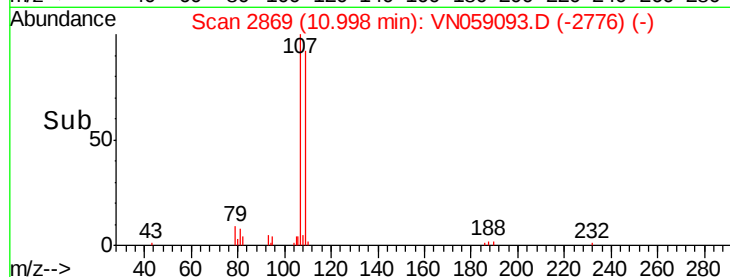
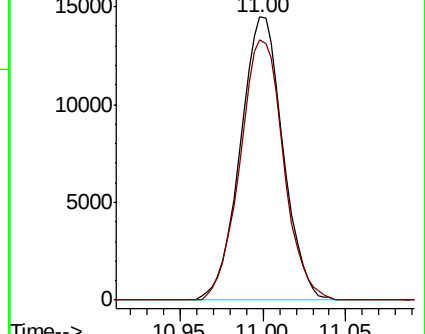
107 100

109 93.8 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: 4.493 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

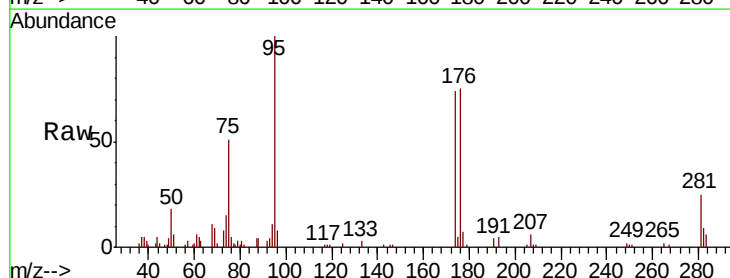
Tgt Ion: 95 Resp: 29957

Ion Ratio Lower Upper

95 100

174 78.6 0.0 158.2

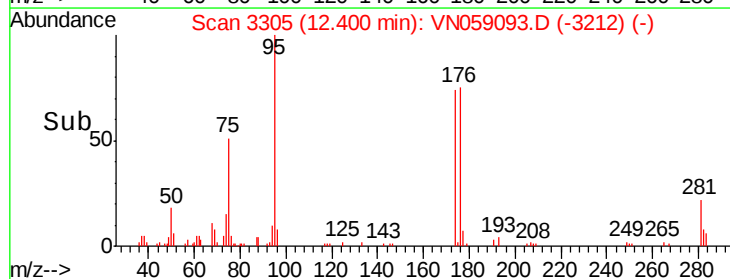
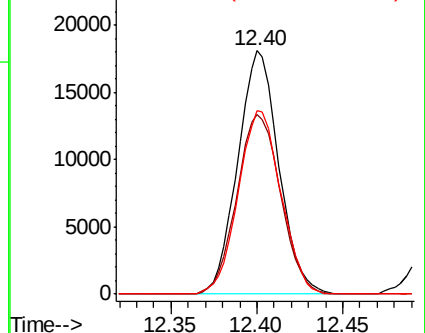
176 78.2 0.0 151.8

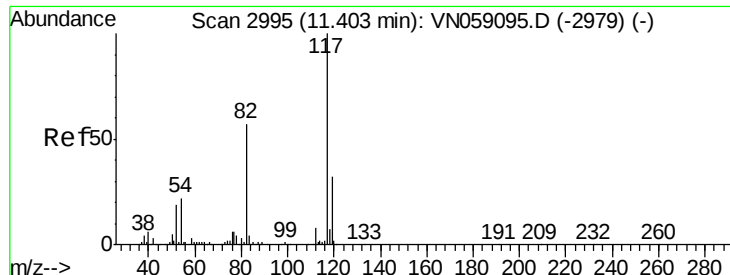


Abundance Ion 94.90 (94.60 to 95.60): V

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: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

ClientSampled :

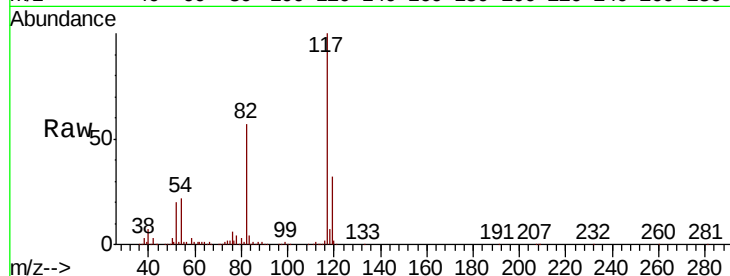
Tot Ion:117 Resp: 668360

Ion Ratio Lower Upper

117 100

82 57.3 45.8 68.8

119 32.3 25.8 38.6

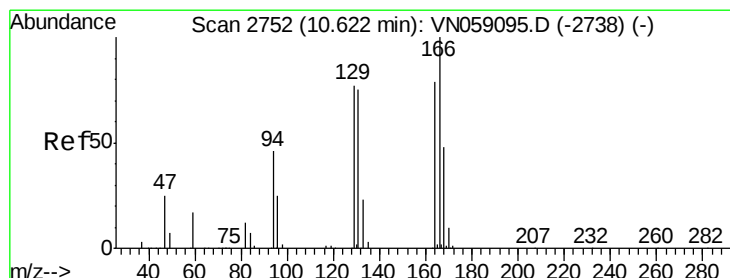
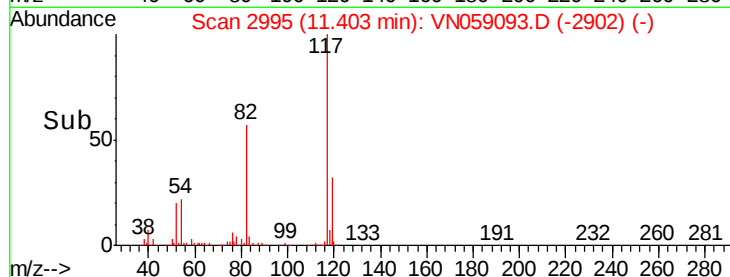
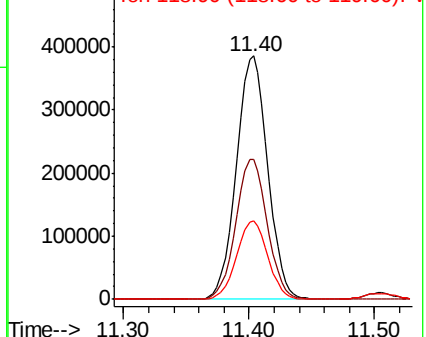


Abundance

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: 5.159 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Tgt Ion:164 Resp: 24070

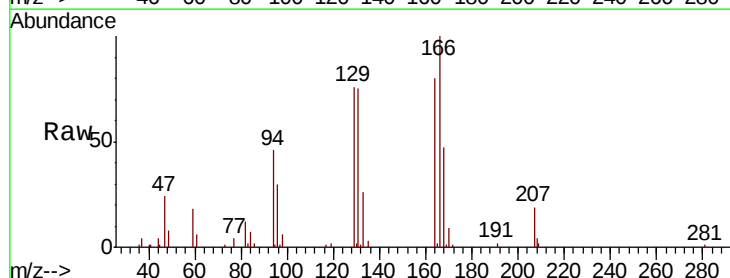
Ion Ratio Lower Upper

164 100

166 125.0 101.5 152.3

129 94.6 78.3 117.5

131 94.0 75.9 113.9



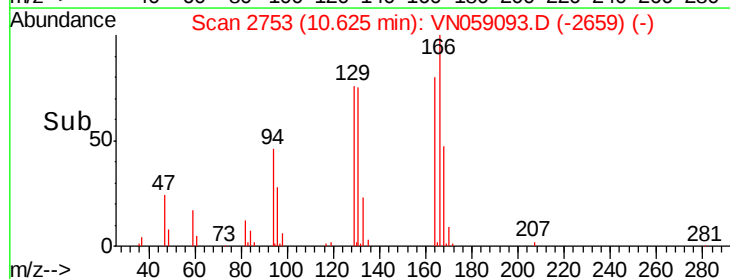
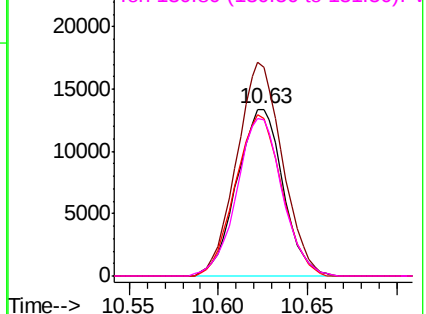
Abundance

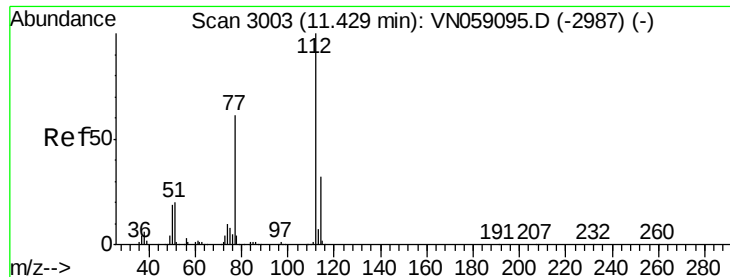
Ion 163.80 (163.50 to 164.50): V

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

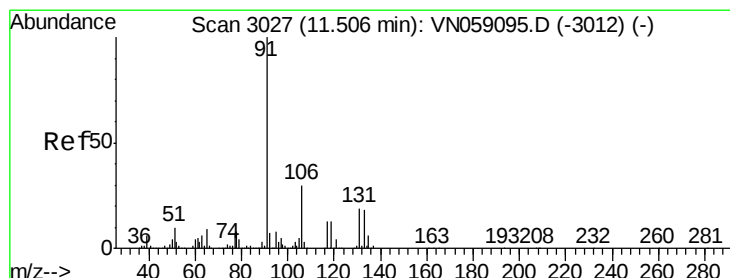
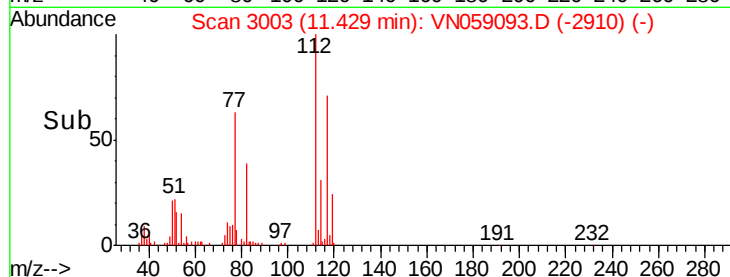
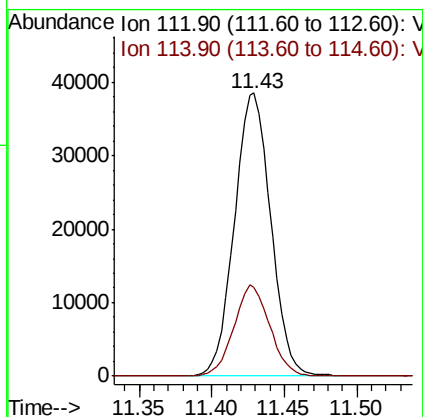
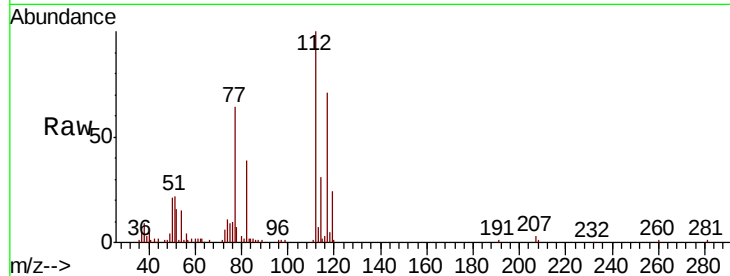




#65
Chlorobenzene
Concen: 4.898 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

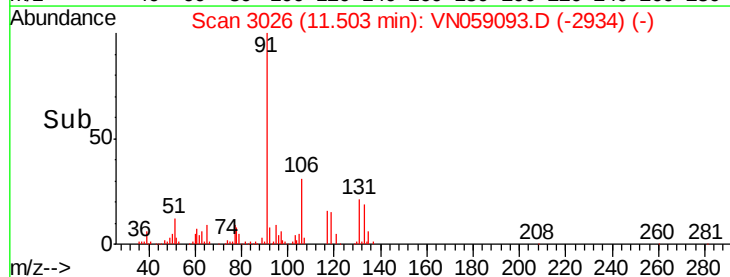
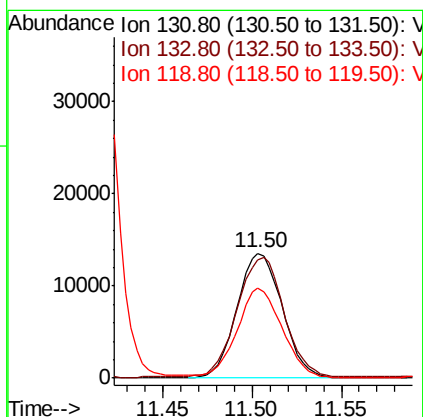
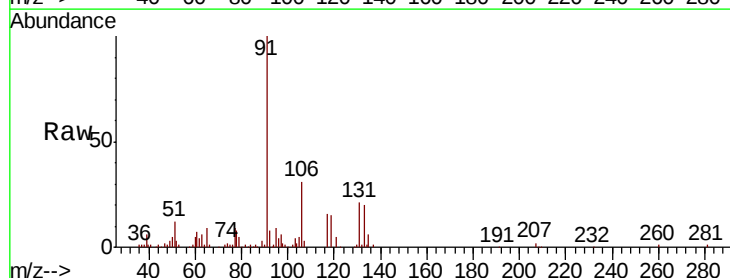
Instrument :
MSVOA_N
ClientSampleId :

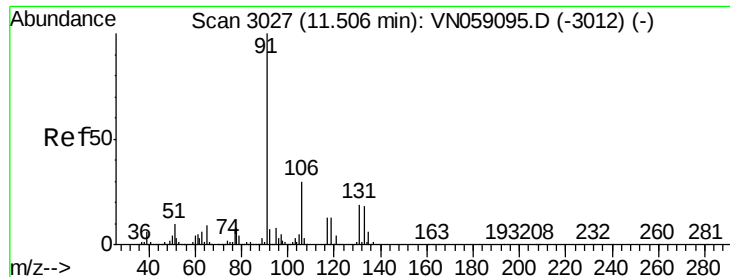
Tot Ion:112 Resp: 66953
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.778 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion:131 Resp: 24066
Ion Ratio Lower Upper
131 100
133 98.5 47.4 142.3
119 72.0 33.2 99.6

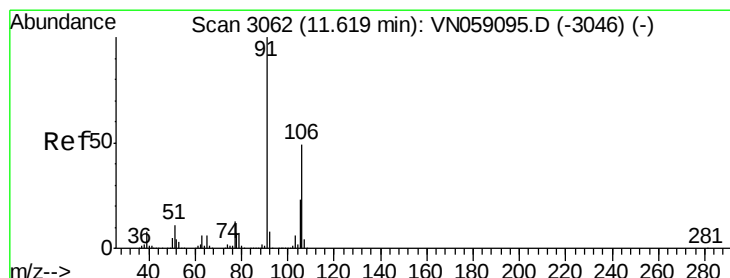
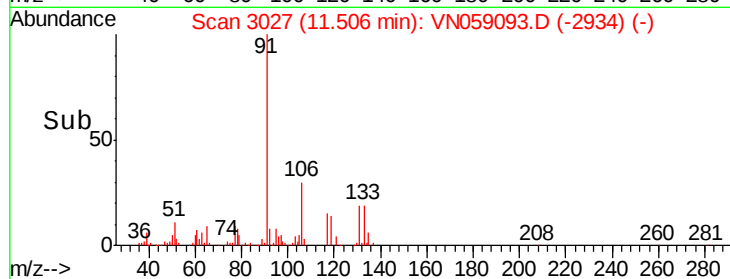
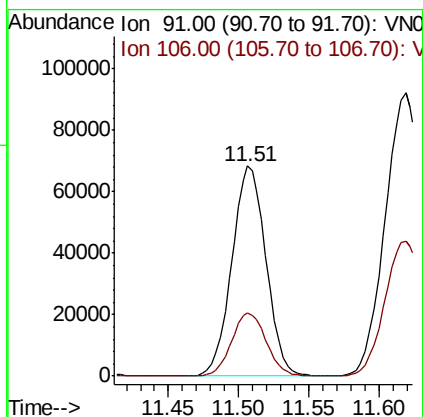
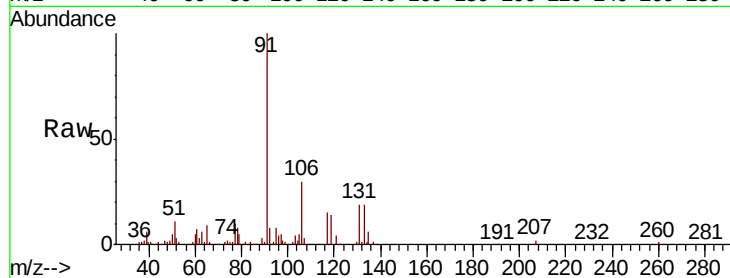




#67
Ethyl Benzene
Concen: 4.907 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

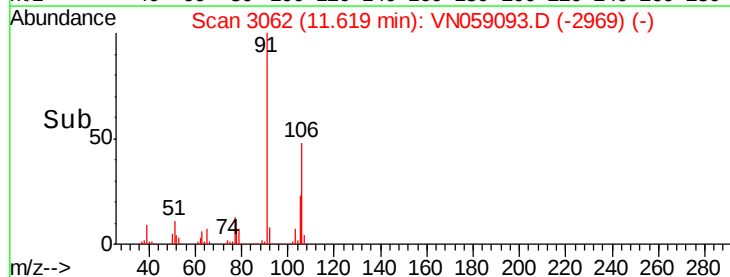
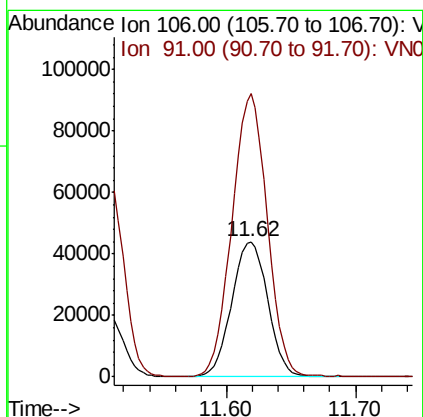
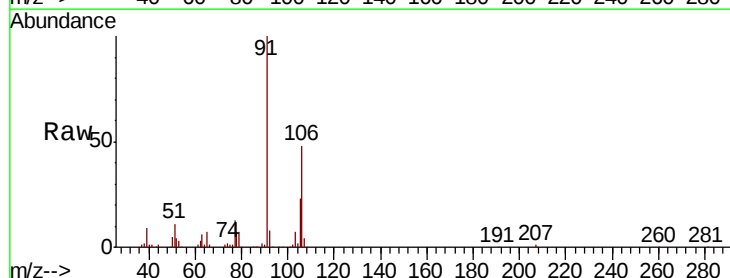
Instrument :
MSVOA_N
ClientSampled :

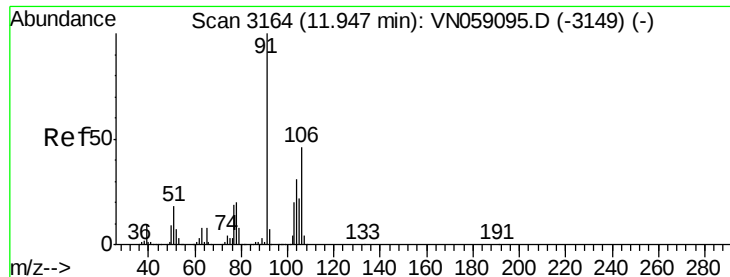
Tot Ion: 91 Resp: 116053
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1



#68
m/p-Xylenes
Concen: 9.642 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 106 Resp: 85286
Ion Ratio Lower Upper
106 100
91 204.1 164.7 247.1

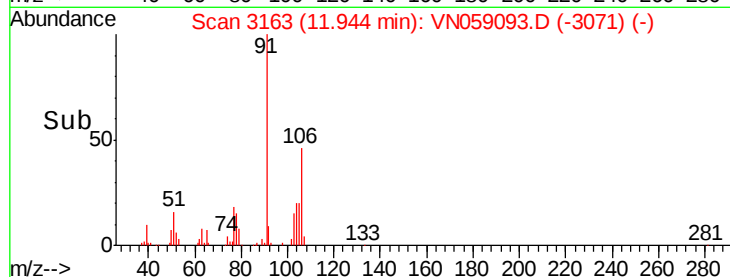
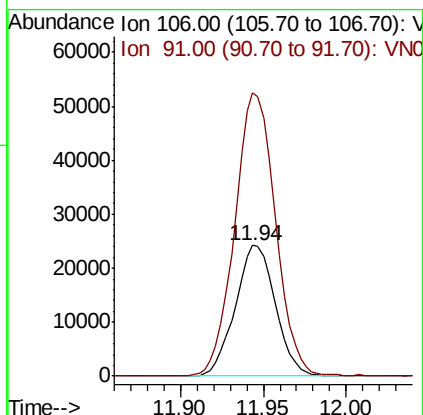
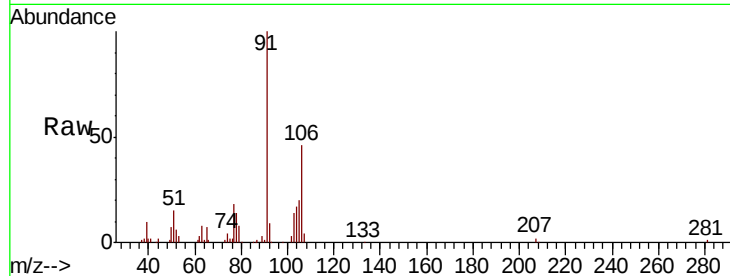




#69
o-Xylene
Concen: 4.825 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

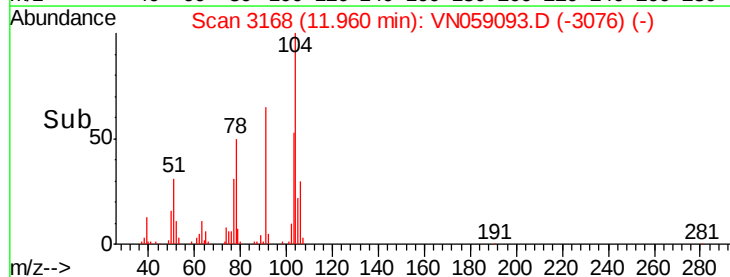
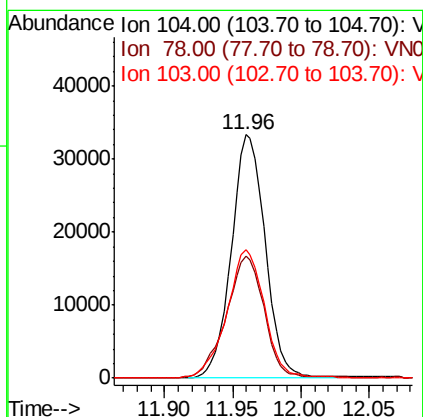
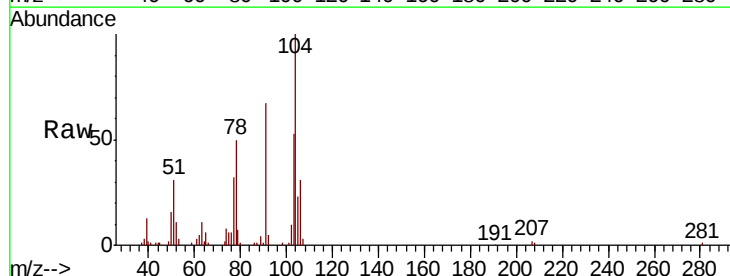
Instrument :
MSVOA_N
ClientSampled :

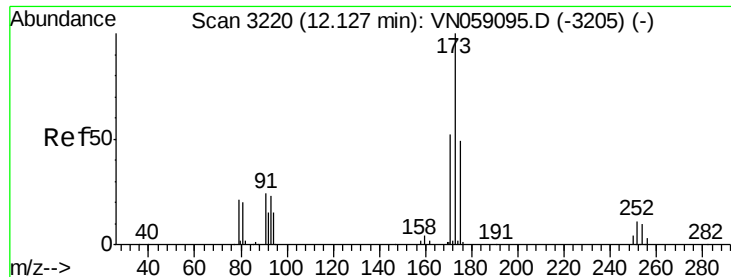
Tot Ion:106 Resp: 40722
Ion Ratio Lower Upper
106 100
91 220.0 110.1 330.3



#70
Styrene
Concen: 4.217 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion:104 Resp: 57558
Ion Ratio Lower Upper
104 100
78 55.8 41.2 61.8
103 58.6 43.8 65.6





#71

Bromoform

Concen: 4.429 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

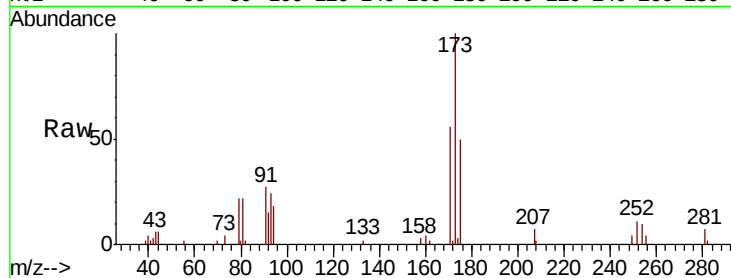
Tot Ion:173 Resp: 17246

Ion Ratio Lower Upper

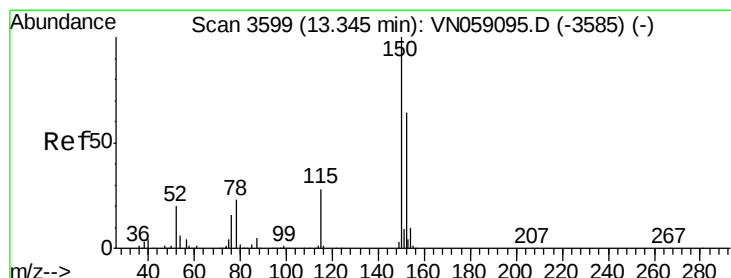
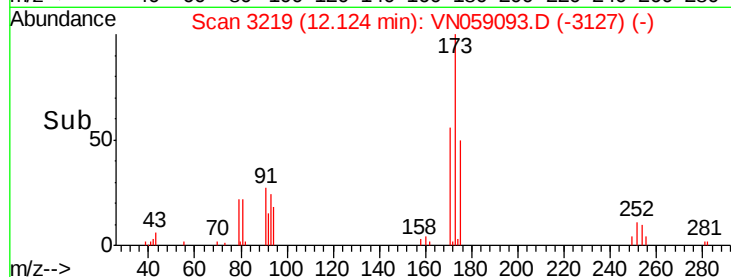
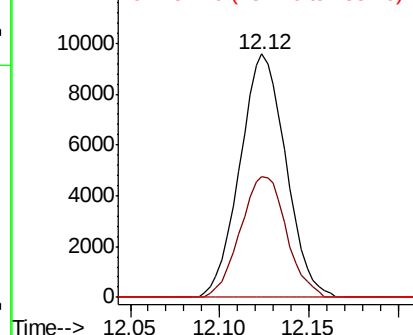
173 100

175 49.7 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: VN059093.D

Acq: 6 Nov 2019 9:17

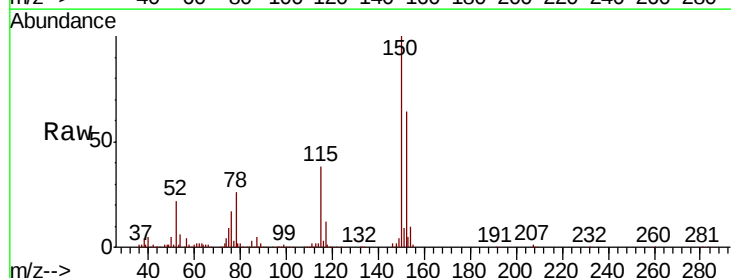
Tgt Ion:152 Resp: 272449

Ion Ratio Lower Upper

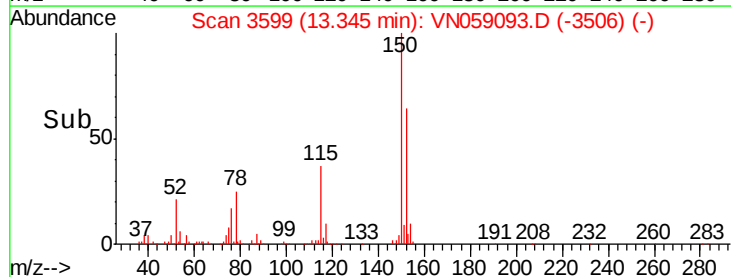
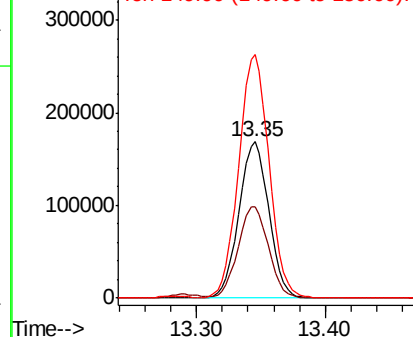
152 100

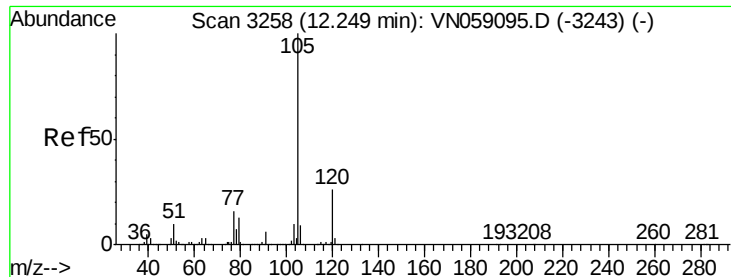
115 59.1 29.4 88.2

150 157.1 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: 5.351 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

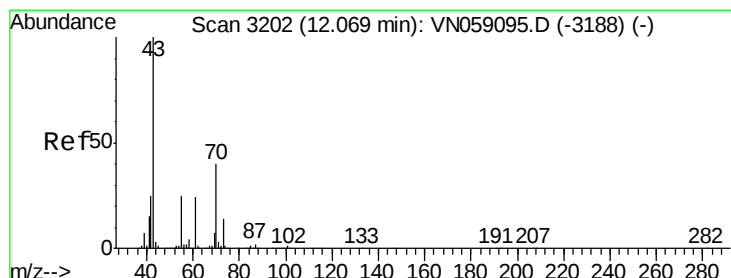
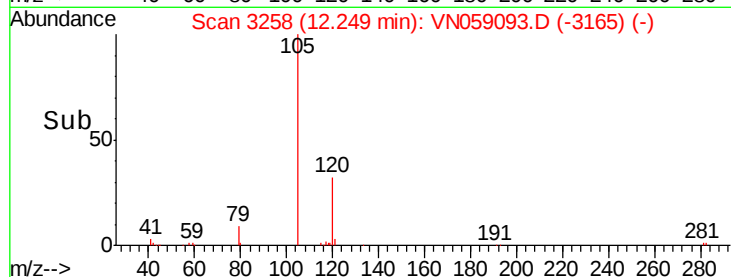
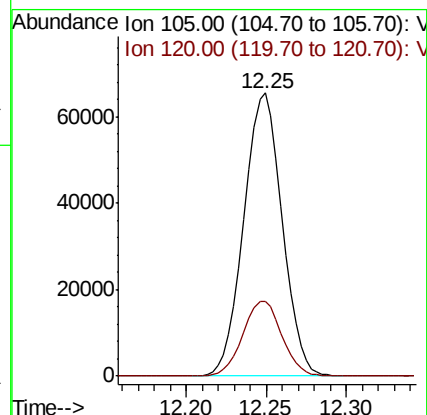
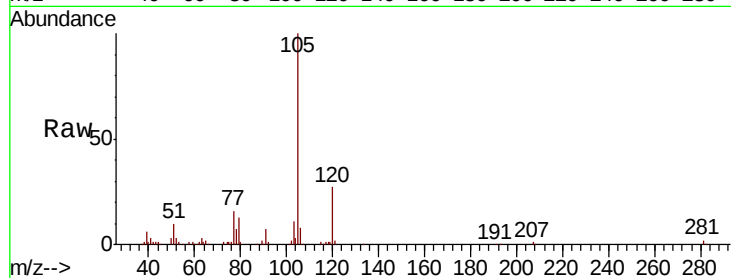
ClientSampleId :

Tot Ion: 105 Resp: 106999

Ion Ratio Lower Upper

105 100

120 26.9 13.1 39.3



#74

N-ethyl acetate

Concen: 4.665 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Tgt Ion: 43 Resp: 41282

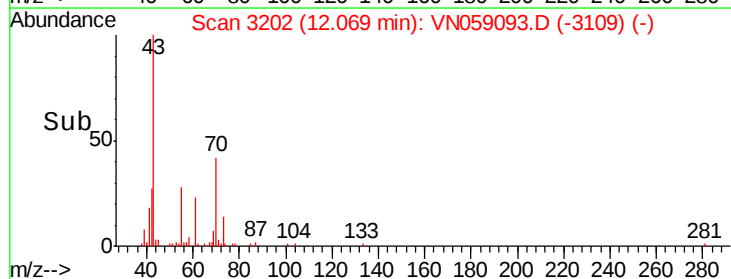
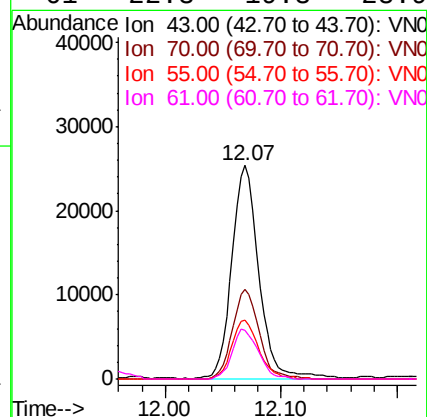
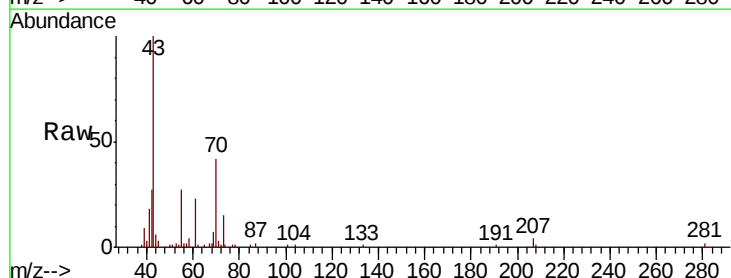
Ion Ratio Lower Upper

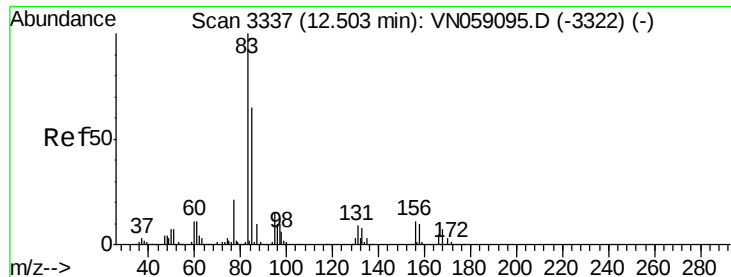
43 100

70 40.9 32.2 48.4

55 27.2 20.4 30.6

61 22.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.076 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

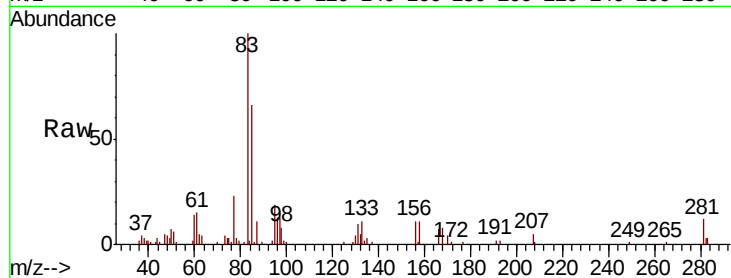
Tot Ion: 83 Resp: 36162

Ion Ratio Lower Upper

83 100

131 11.1 4.9 14.6

85 63.9 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059093.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059093.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059093.D (-3322) (-)

12.50

25000

20000

15000

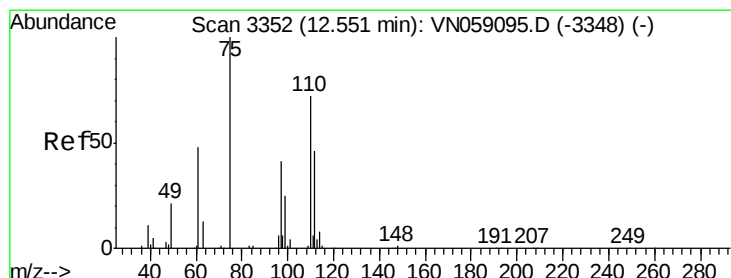
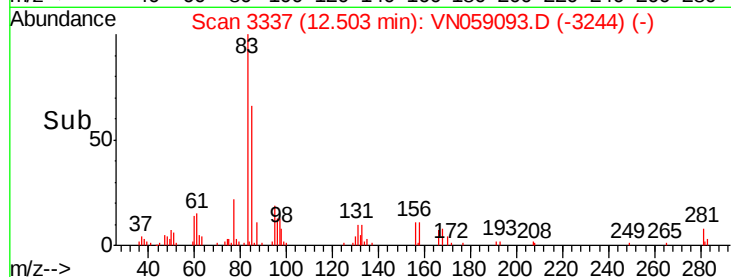
10000

5000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 7.502 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059093.D

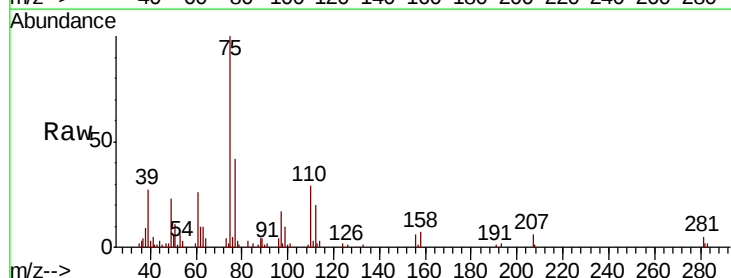
Acq: 6 Nov 2019 9:17

Tgt Ion: 75 Resp: 47765

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059093.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN059093.D (-3352) (-)

12.55

30000

25000

20000

15000

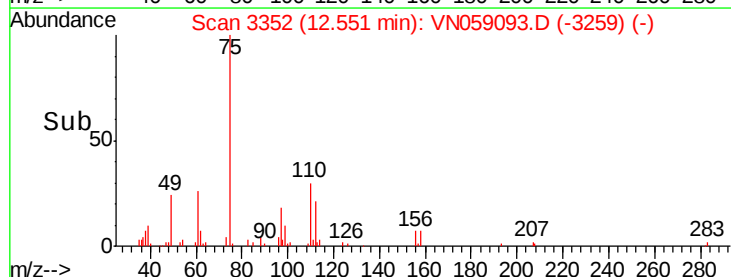
10000

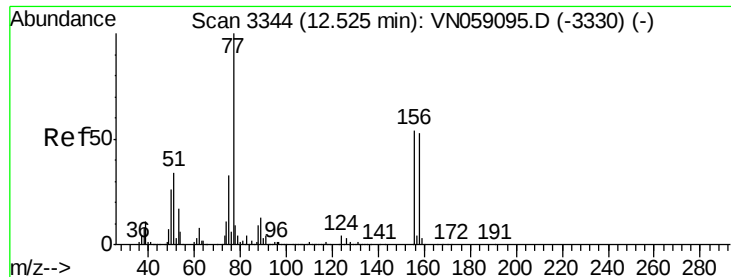
5000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 5.391 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

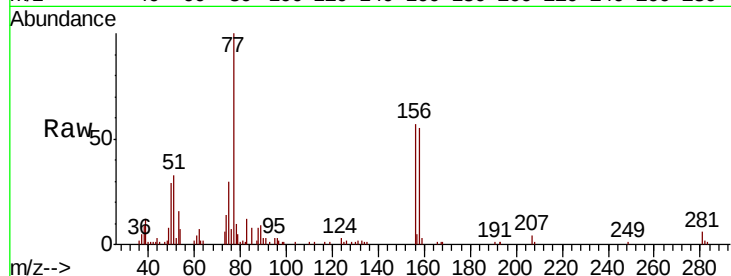
Tot Ion:156 Resp: 27050

Ion Ratio Lower Upper

156 100

77 216.9 112.8 338.3

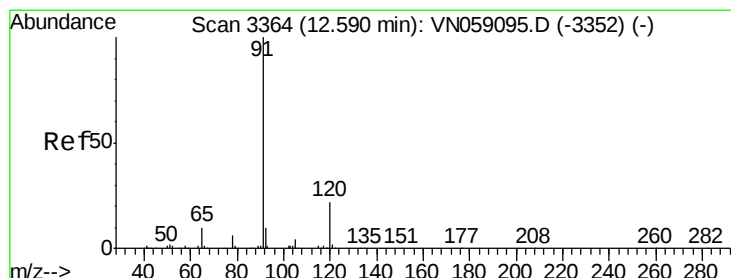
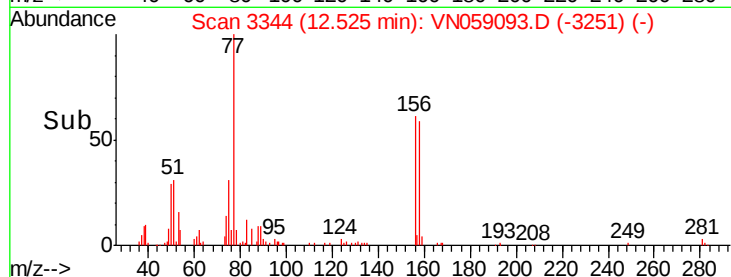
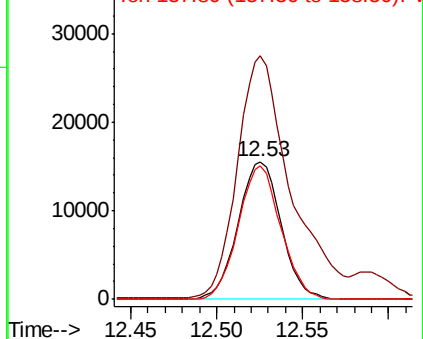
158 95.3 48.4 145.3



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: 5.277 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059093.D

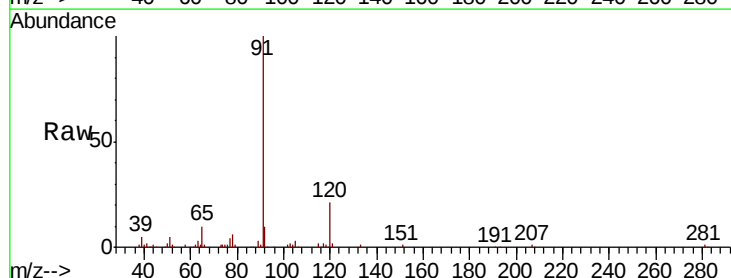
Acq: 6 Nov 2019 9:17

Tgt Ion: 91 Resp: 121951

Ion Ratio Lower Upper

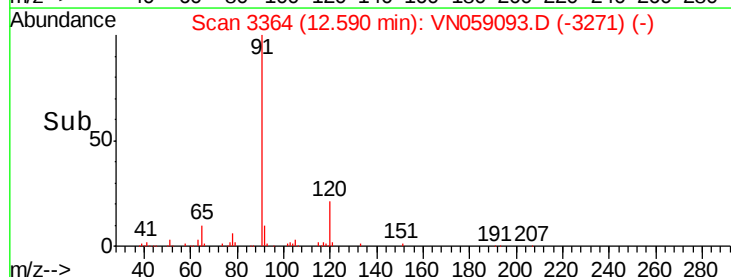
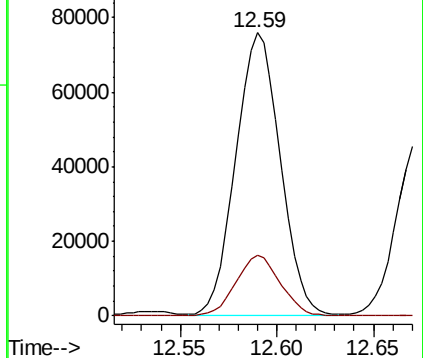
91 100

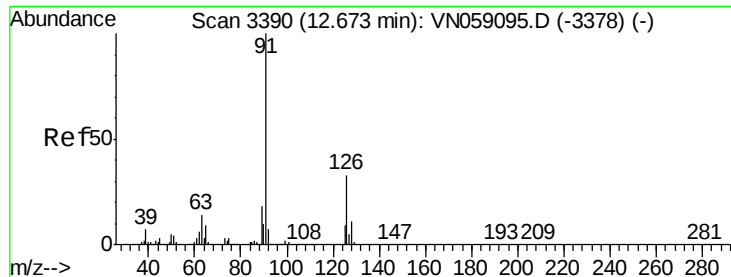
120 21.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.439 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

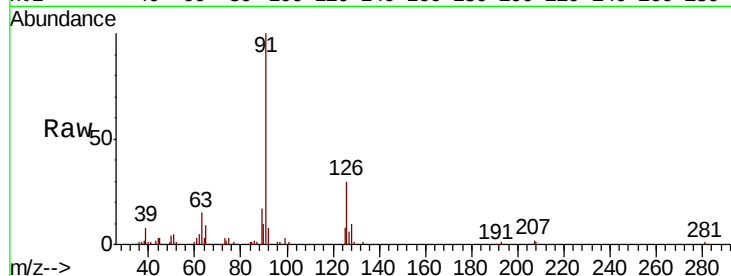
ClientSampleId :

Tot Ion: 91 Resp: 78050

Ion Ratio Lower Upper

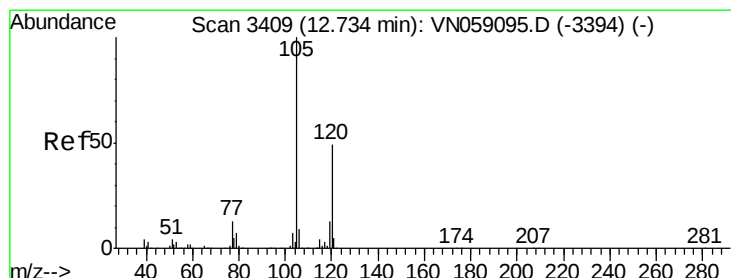
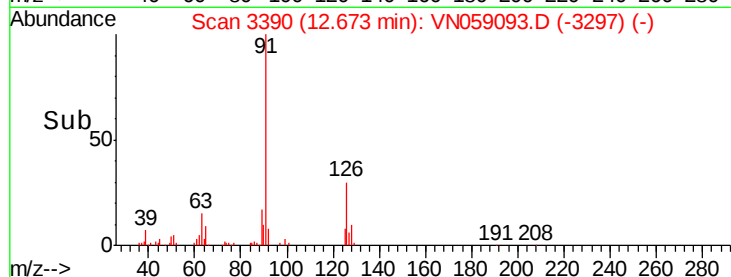
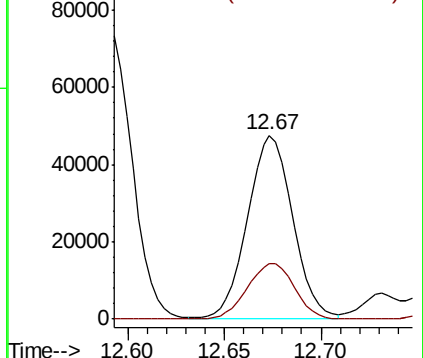
91 100

126 31.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.246 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059093.D

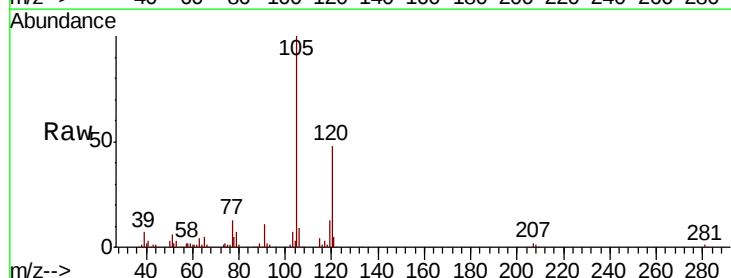
Acq: 6 Nov 2019 9:17

Tgt Ion: 105 Resp: 89203

Ion Ratio Lower Upper

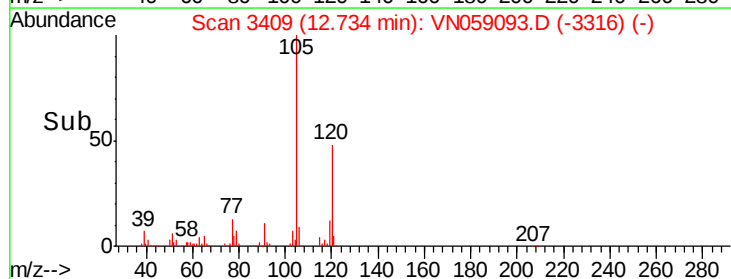
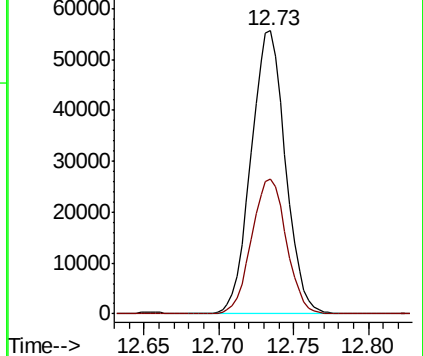
105 100

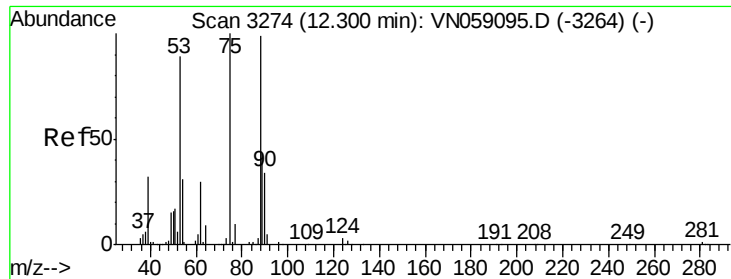
120 48.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.568 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

ClientSampleId :

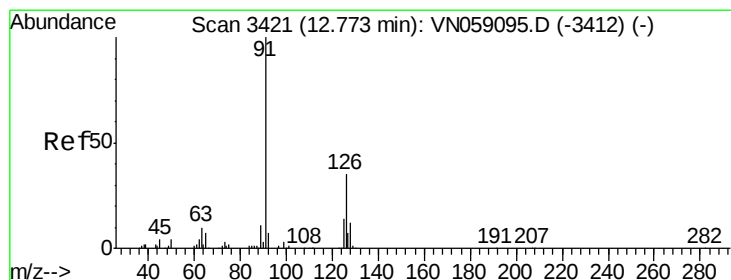
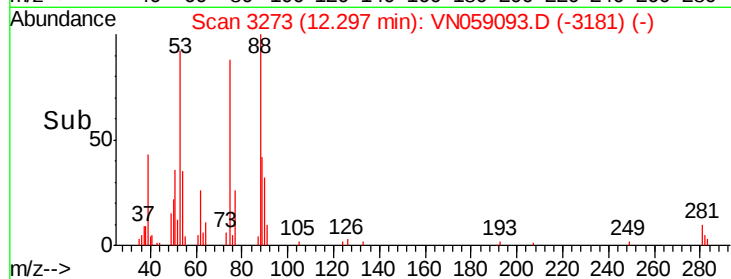
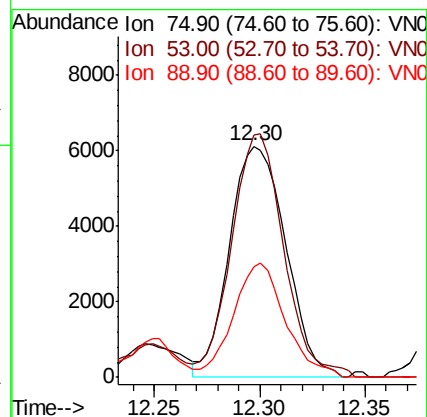
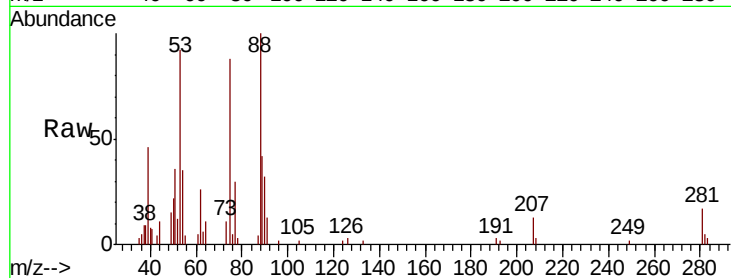
Tot Ion: 75 Resp: 11341

Ion Ratio Lower Upper

75 100

53 98.0 72.2 108.2

89 45.4 35.8 53.8



#82

4-Chlorotoluene

Concen: 5.063 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059093.D

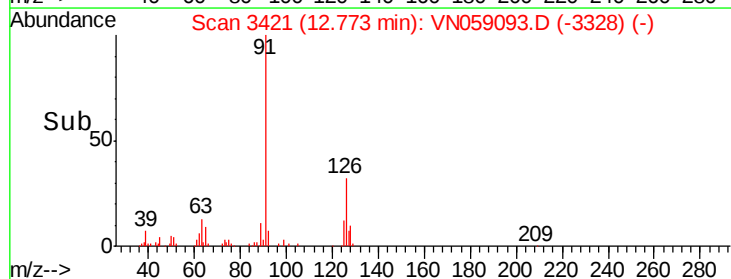
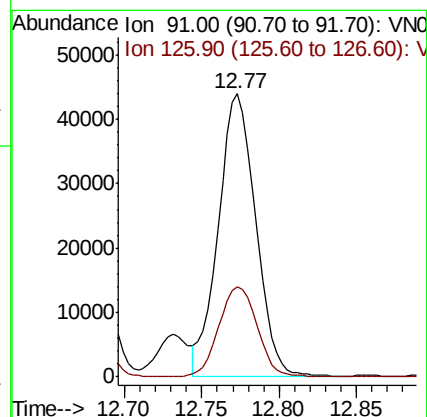
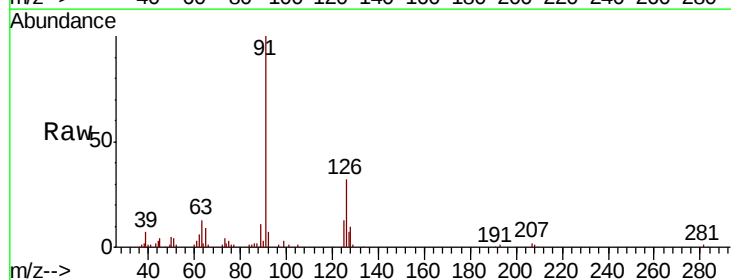
Acq: 6 Nov 2019 9:17

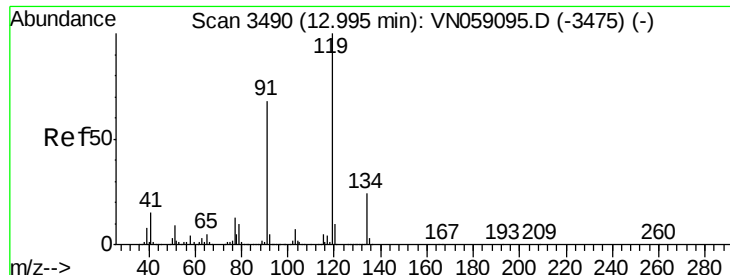
Tgt Ion: 91 Resp: 74215

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.2

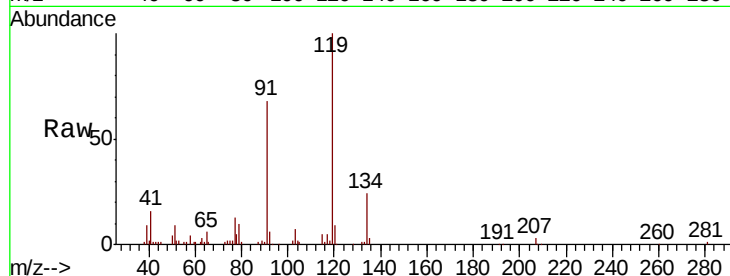




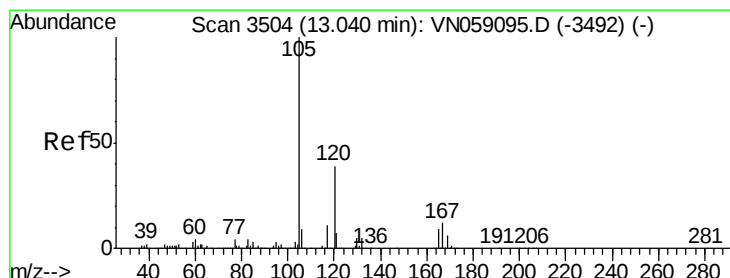
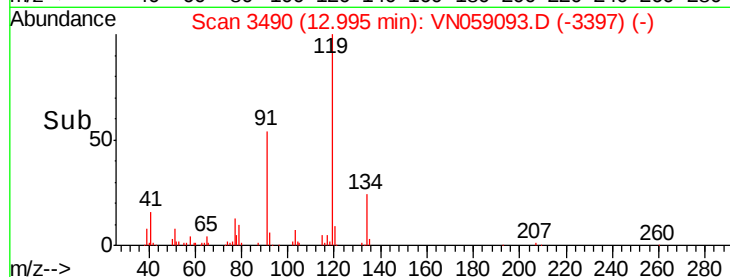
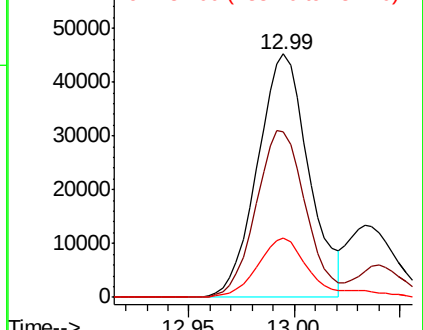
#83
tert-Butylbenzene
Concen: 5.277 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	119	Resp	76457
Ion Ratio	Lower	Upper	
119	100		
91	66.0	33.2	99.6
134	23.4	12.7	38.1

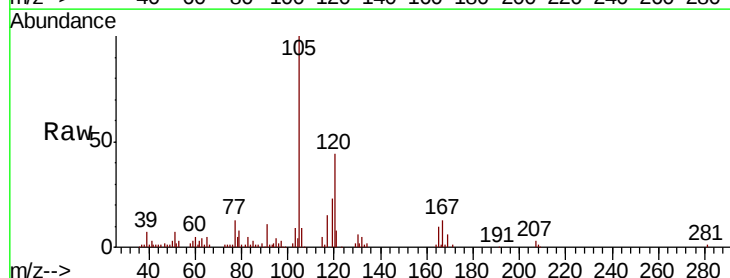


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

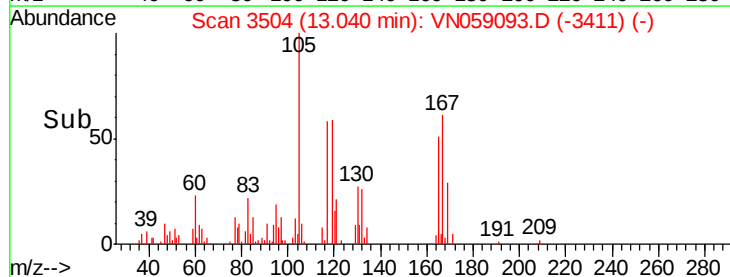
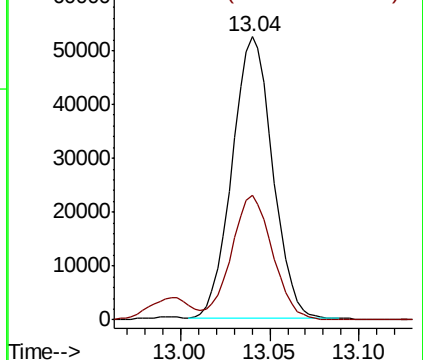


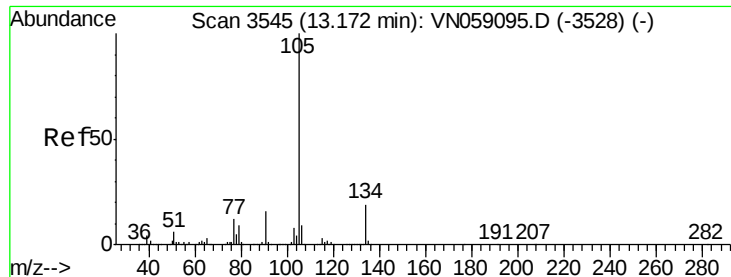
#84
1,2,4-Trimethylbenzene
Concen: 5.035 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion	105	Resp	82915
Ion Ratio	Lower	Upper	
105	100		
120	45.2	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: 5.218 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Instrument :

MSVOA_N

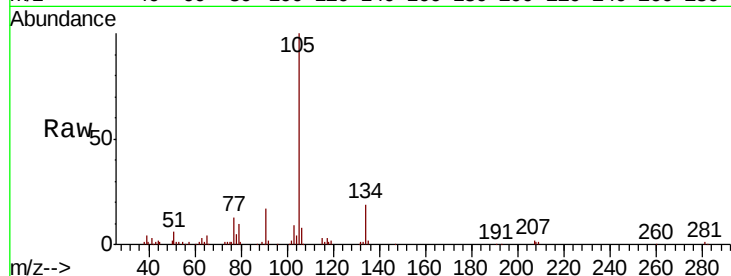
ClientSampleId :

Tot Ion:105 Resp: 98828

Ion Ratio Lower Upper

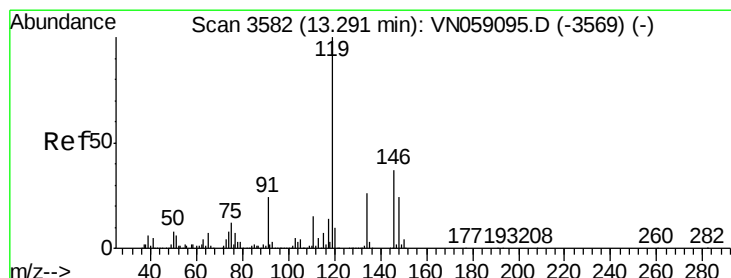
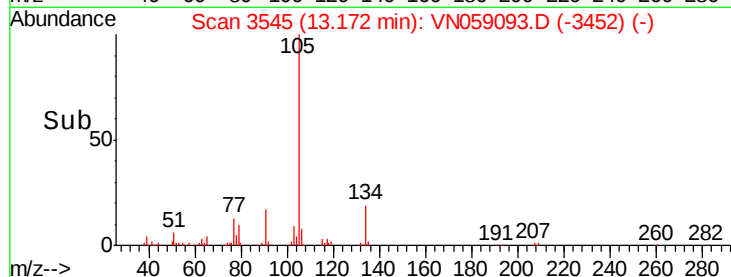
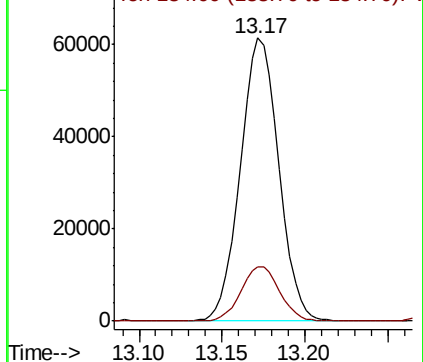
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.091 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

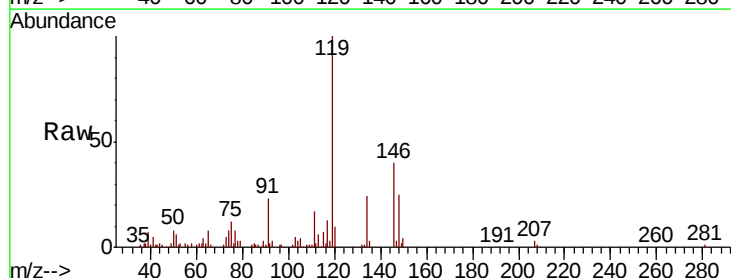
Tgt Ion:119 Resp: 86833

Ion Ratio Lower Upper

119 100

134 24.8 13.0 38.9

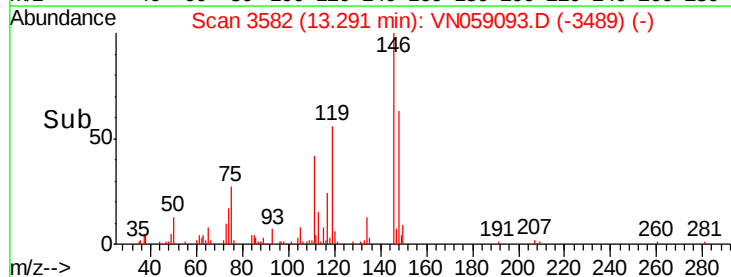
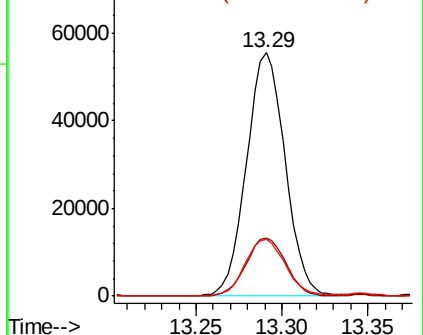
91 24.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

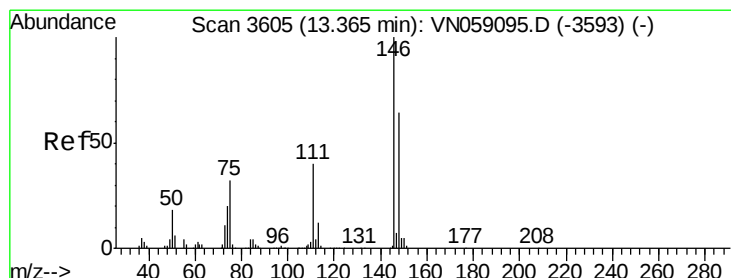
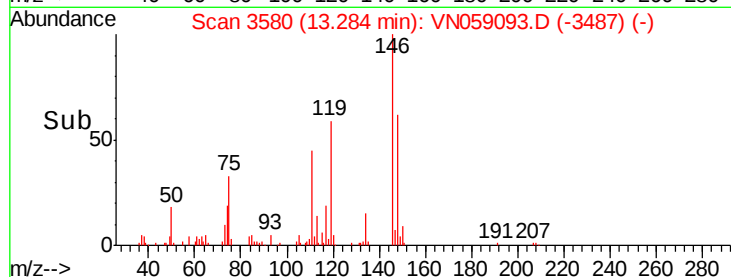
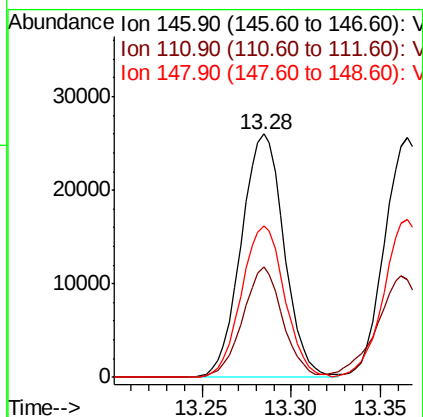
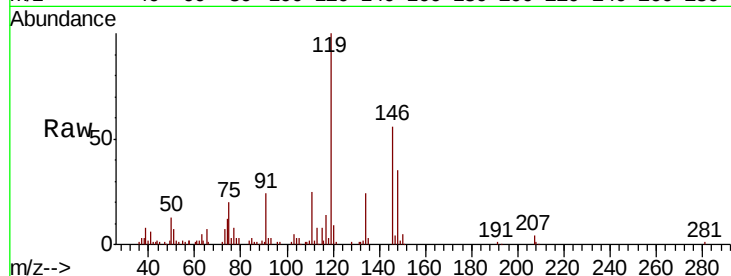




#87
 1,3-Dichlorobenzene
 Concen: 4.910 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

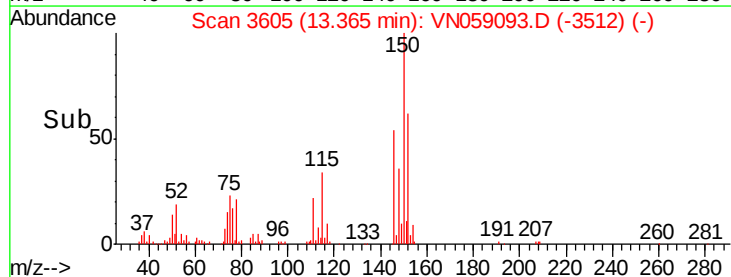
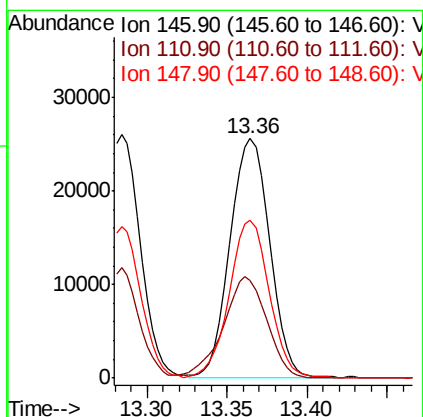
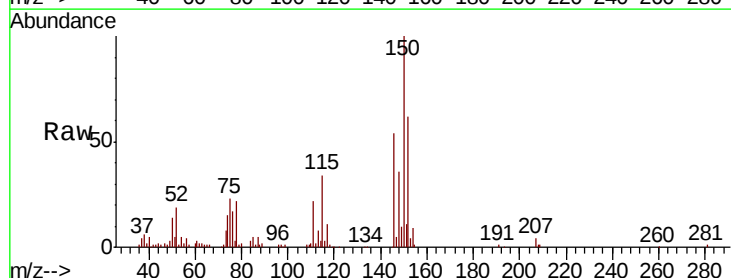
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.4	61.3
148	62.6	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 4.955 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.6	20.3	60.9
148	66.2	31.9	95.7

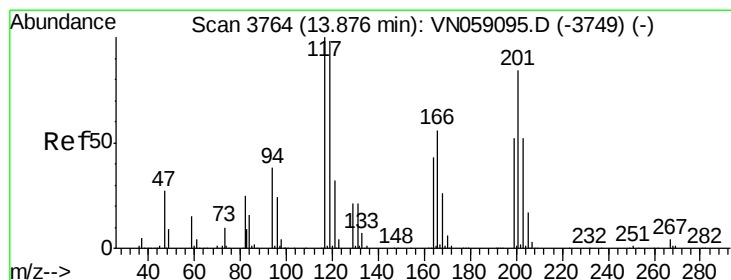
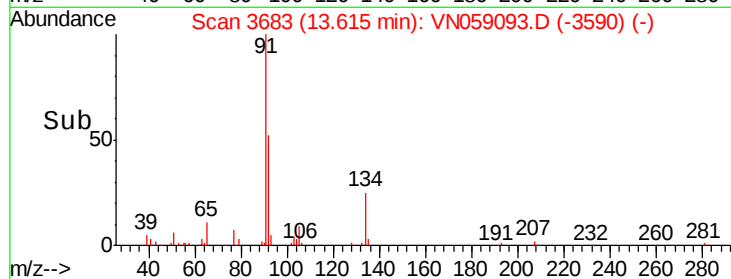
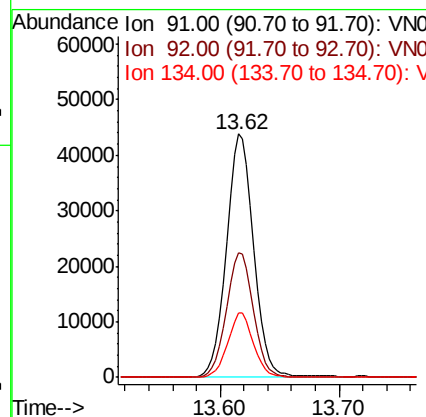
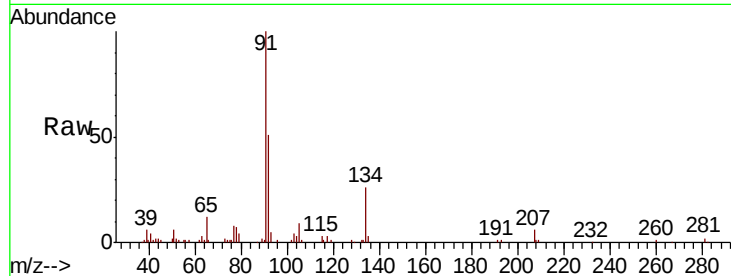




#89
n-Butylbenzene
Concen: 4.699 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

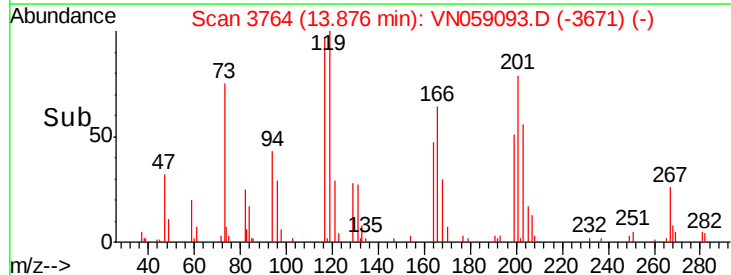
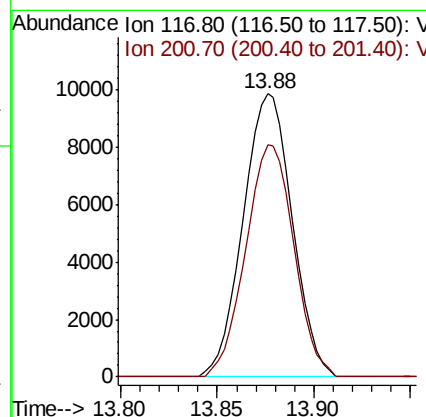
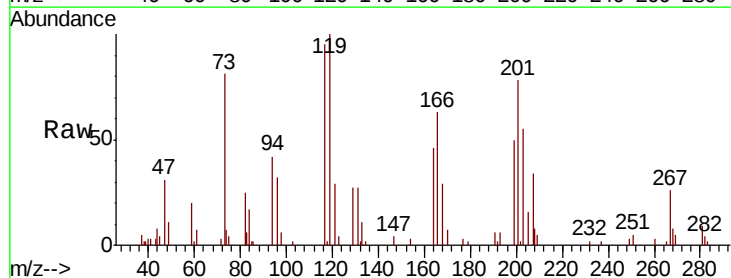
Instrument :
MSVOA_N
ClientSampled :

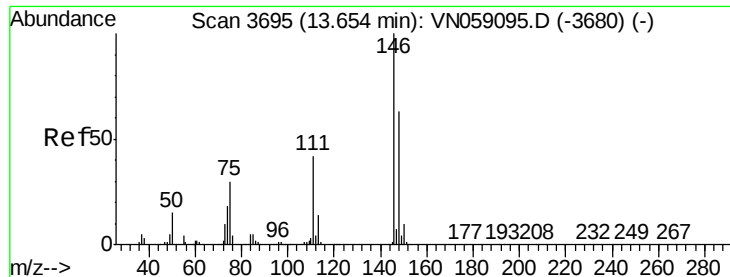
Tot Ion: 91 Resp: 69599
Ion Ratio Lower Upper
91 100
92 50.5 26.1 78.3
134 24.8 12.6 37.8



#90
Hexachloroethane
Concen: 5.139 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059093.D
Acq: 6 Nov 2019 9:17

Tgt Ion: 117 Resp: 17399
Ion Ratio Lower Upper
117 100
201 80.5 41.8 125.3

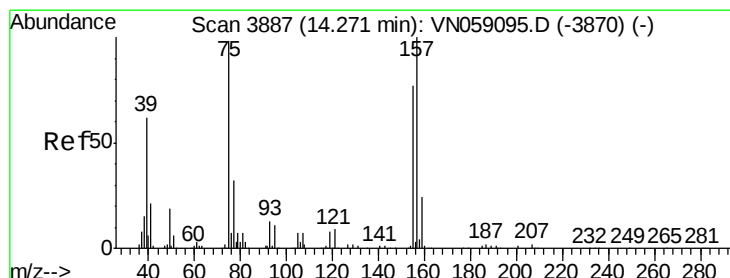
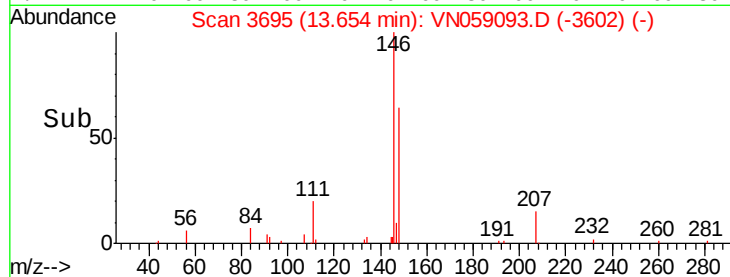
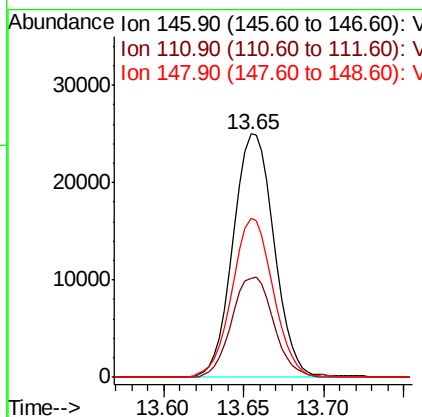
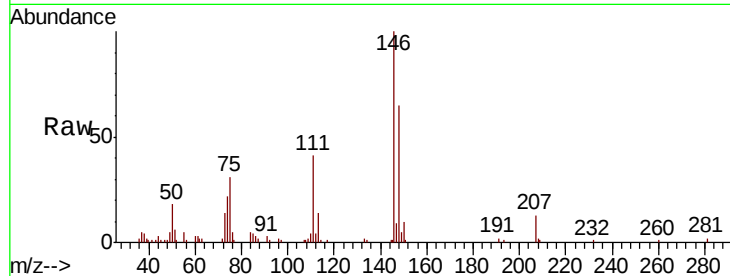




#91
 1,2-Dichlorobenzene
 Concen: 4.937 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

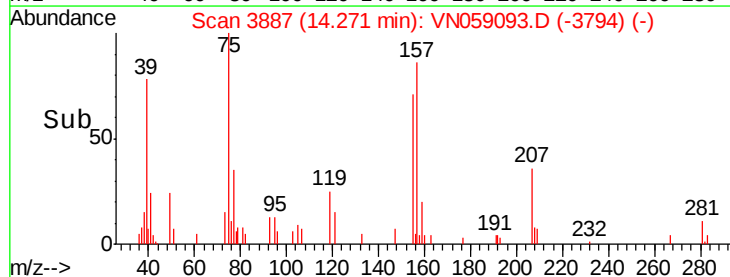
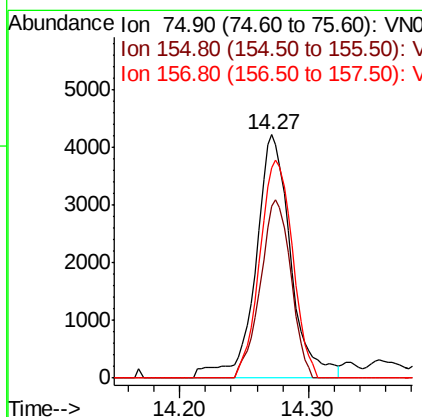
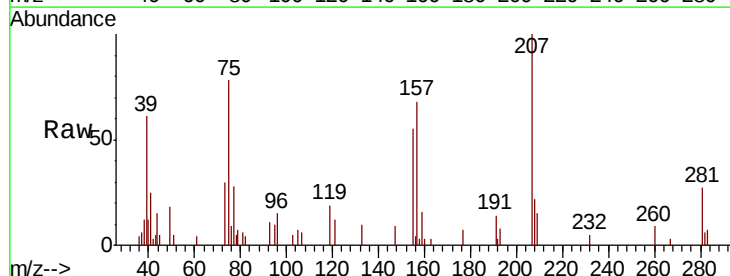
Instrument :
 MSVOA_N
 ClientSampleId :

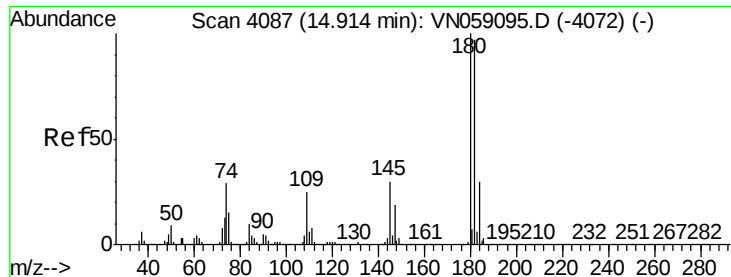
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	65.7	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.191 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.1	40.2	120.6
157	83.8	51.8	155.5

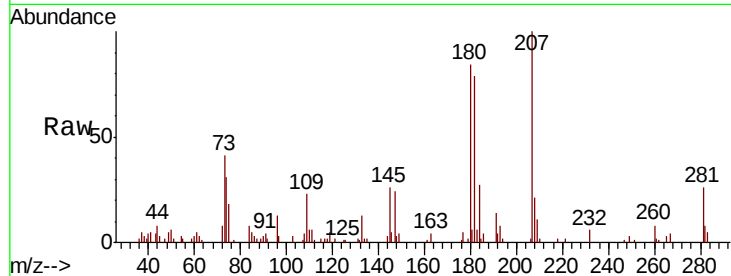




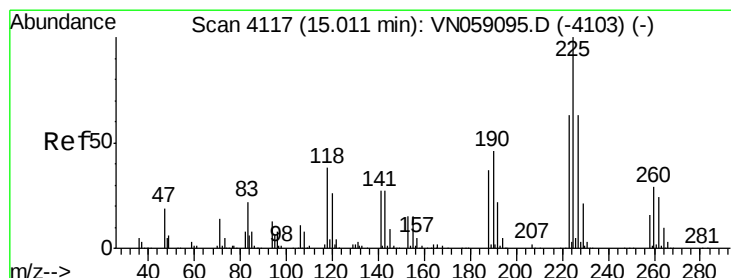
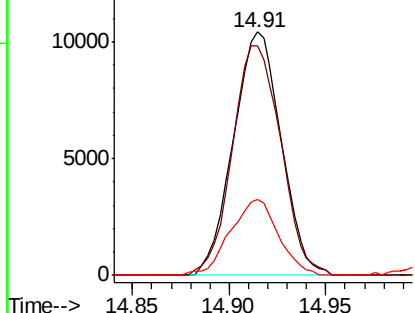
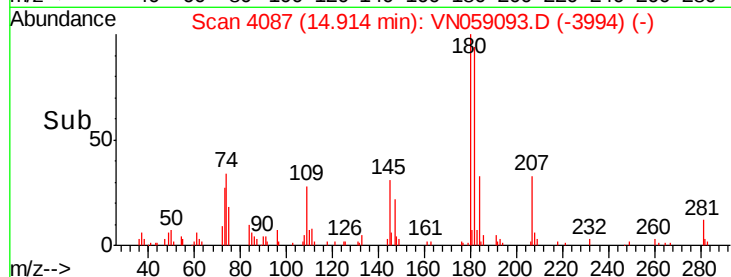
#93
 1,2,4-Trichlorobenzene
 Concen: 3.771 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.1	144.3
145	31.5	15.1	45.3

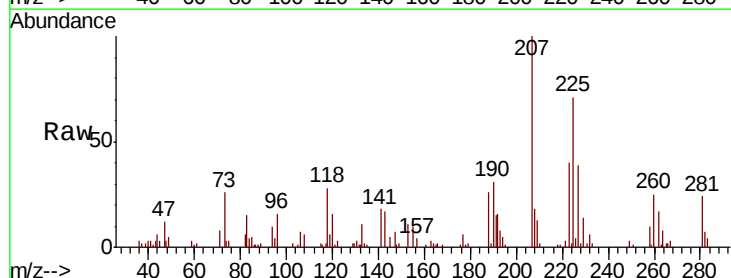


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

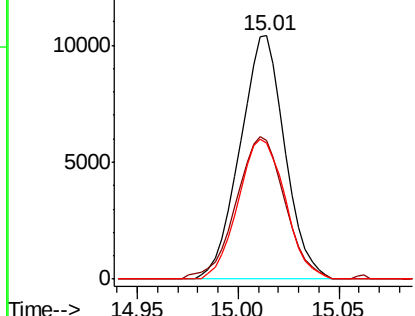
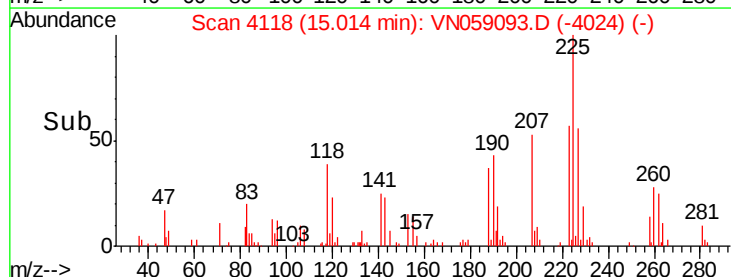


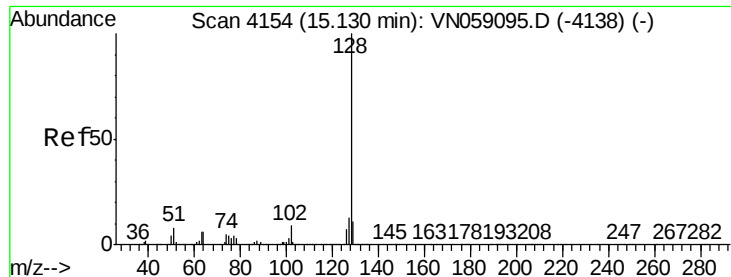
#94
 Hexachlorobutadiene
 Concen: 5.647 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059093.D
 Acq: 6 Nov 2019 9:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.3	93.9
227	60.3	31.5	94.5



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





#95

Naphthalene

Concen: 3.429 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

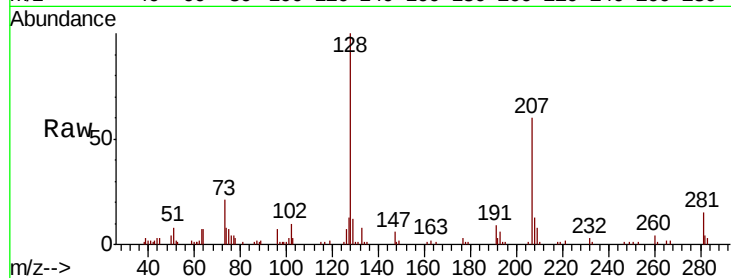
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 44623

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.2
129	11.1	8.6	12.8

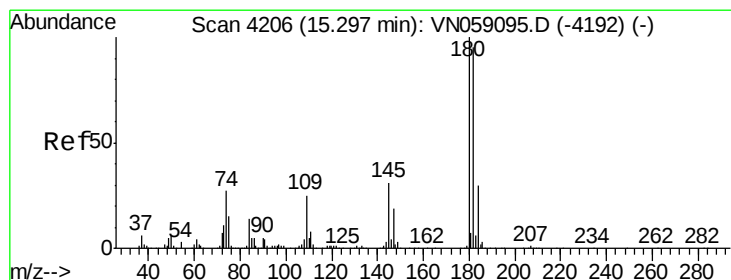
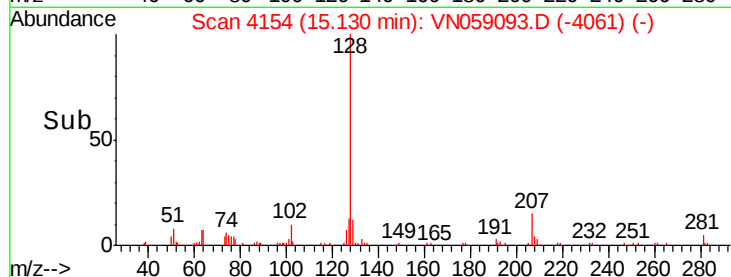
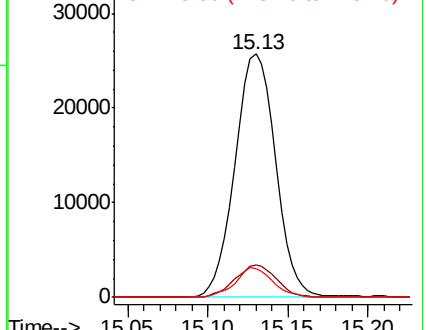


Abundance

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: 3.988 ug/l

RT: 15.30 min Scan# 4206

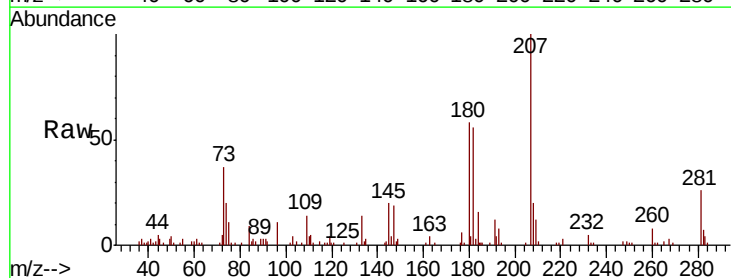
Delta R.T. 0.00 min

Lab File: VN059093.D

Acq: 6 Nov 2019 9:17

Tgt Ion:180 Resp: 19374

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.3	141.8
145	34.7	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

