

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059130.D
 Acq On : 8 Nov 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 11 00:54:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	517822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	799795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	729971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	348489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	306216	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	7.56	113	242760	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.08	98	955550	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.40	95	355523	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	228080	43.716	ug/l	100
3) Chloromethane	2.04	50	303431	42.785	ug/l	99
4) Vinyl Chloride	2.17	62	304454	44.279	ug/l	100
5) Bromomethane	2.54	94	165486	41.823	ug/l	98
6) Chloroethane	2.68	64	184278	45.306	ug/l	98
7) Trichlorofluoromethane	3.00	101	373331	45.394	ug/l	98
8) Diethyl Ether	3.38	74	152588	45.661	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	227629	45.904	ug/l	99
10) Methyl Iodide	3.92	142	244629	39.855	ug/l	100
11) Tert butyl alcohol	4.74	59	238608	196.693	ug/l	99
12) 1,1-Dichloroethene	3.71	96	222035	45.965	ug/l	97
13) Acrolein	3.58	56	114970	183.820	ug/l	99
14) Allyl chloride	4.29	41	446691	45.018	ug/l	98
15) Acrylonitrile	4.95	53	671868	222.547	ug/l	99
16) Acetone	3.78	43	856953	258.889	ug/l	99
17) Carbon Disulfide	4.02	76	650865	43.406	ug/l	99
18) Methyl Acetate	4.29	43	343912	43.772	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	787259	47.338	ug/l	100
20) Methylene Chloride	4.52	84	263851	45.754	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	240608	46.404	ug/l	98
22) Diisopropyl ether	5.92	45	893896	47.695	ug/l	100
23) Vinyl Acetate	5.86	43	3617706	249.061	ug/l	100
24) 1,1-Dichloroethane	5.81	63	485196	46.351	ug/l	98
25) 2-Butanone	6.80	43	1029885	236.075	ug/l	100
26) 2,2-Dichloropropane	6.79	77	420127	45.899	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	280562	46.640	ug/l	100
28) Bromochloromethane	7.17	49	141628	44.971	ug/l	99
29) Tetrahydrofuran	7.18	42	598982	216.087	ug/l	99
30) Chloroform	7.34	83	461665	45.975	ug/l	99
31) Cyclohexane	7.63	56	436302	44.028	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	394790	46.762	ug/l	99
36) 1,1-Dichloropropene	7.77	75	356250	47.654	ug/l	100
37) Ethyl Acetate	6.90	43	370693	44.573	ug/l	100
38) Carbon Tetrachloride	7.75	117	347325	46.679	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	413100	47.613	ug/l	99
40) Benzene	8.02	78	1073531	47.687	ug/l	100
41) Methacrylonitrile	7.18	41	522534	144.490	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	362101	46.898	ug/l	100
43) Isopropyl Acetate	8.14	43	603060	45.484	ug/l	99
44) Trichloroethene	8.81	130	266500	48.158	ug/l	97
45) 1,2-Dichloropropane	9.10	63	293239	47.957	ug/l	99
46) Dibromomethane	9.19	93	176209	46.245	ug/l	99
47) Bromodichloromethane	9.38	83	368881	48.482	ug/l	98
48) Methyl methacrylate	9.18	41	275577	46.467	ug/l	98
49) 1,4-Dioxane	9.18	88	96224	912.985	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1831734	244.163	ug/l	100
52) Toluene	10.14	92	655516	48.582	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	425153	48.365	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	464509	49.125	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	256657	47.000	ug/l	98
56) Ethyl methacrylate	10.42	69	405719	44.750	ug/l	99
57) 1,3-Dichloropropane	10.70	76	450957	47.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	778623	256.205	ug/l	100
59) 2-Hexanone	10.74	43	1436438	249.459	ug/l	100
60) Dibromochloromethane	10.89	129	282922	49.002	ug/l	100
61) 1,2-Dibromoethane	11.00	107	264698	47.883	ug/l	99
64) Tetrachloroethene	10.62	164	232239	46.788	ug/l	98
65) Chlorobenzene	11.43	112	688573	48.389	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	259450	48.604	ug/l	100
67) Ethyl Benzene	11.51	91	1267022	50.185	ug/l	99
68) m/p-Xylenes	11.62	106	943238	99.736	ug/l	100
69) o-Xylene	11.94	106	449627	49.196	ug/l	99
70) Styrene	11.96	104	743312	51.712	ug/l	99
71) Bromoform	12.12	173	201164	48.449	ug/l #	100
73) Isopropylbenzene	12.25	105	1224720	48.314	ug/l	100
74) N-amyl acetate	12.07	43	515104	47.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	391190	45.315	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	518510	65.353	ug/l #	100
77) Bromobenzene	12.52	156	295705	46.430	ug/l	98
78) n-propylbenzene	12.59	91	1441267	49.656	ug/l	100
79) 2-Chlorotoluene	12.67	91	847087	47.046	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1040576	48.445	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141602	47.141	ug/l	98
82) 4-Chlorotoluene	12.77	91	876017	48.508	ug/l	99
83) tert-Butylbenzene	12.99	119	865822	46.676	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1045623	50.315	ug/l	98
85) sec-Butylbenzene	13.17	105	1176703	48.777	ug/l	100
86) p-Isopropyltoluene	13.29	119	1072045	50.328	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	527340	48.353	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	523376	47.964	ug/l	99
89) n-Butylbenzene	13.62	91	930262	49.897	ug/l	99
90) Hexachloroethane	13.88	117	192530	45.012	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	519866	48.457	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73304	42.566	ug/l	100

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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	287883	44.580	ug/l	99
94) Hexachlorobutadiene	15.01	225	166647	45.050	ug/l	99
95) Naphthalene	15.13	128	758352	42.481	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	283764	47.197	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

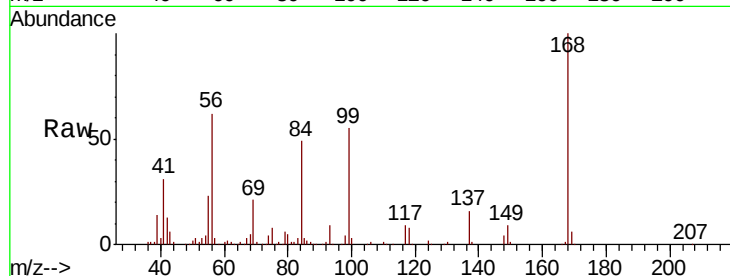
VSTDCCC050

Tot Ion:168 Resp: 517822

Ion Ratio Lower Upper

168 100

99 54.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

250000

200000

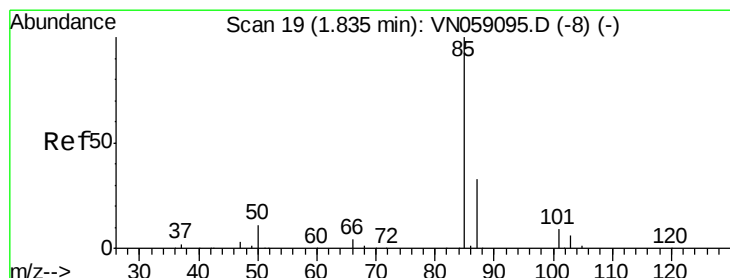
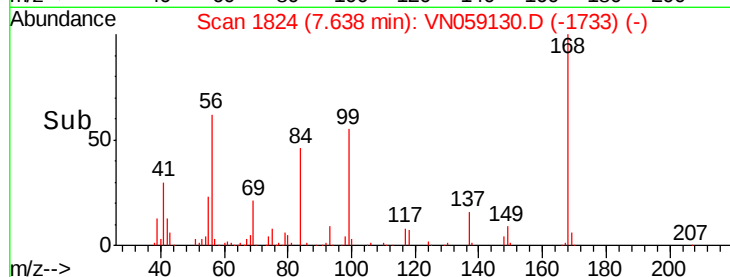
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.716 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059130.D

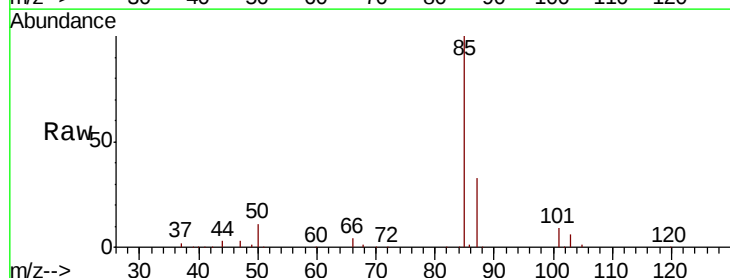
Acq: 8 Nov 2019 8:50

Tgt Ion: 85 Resp: 228080

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

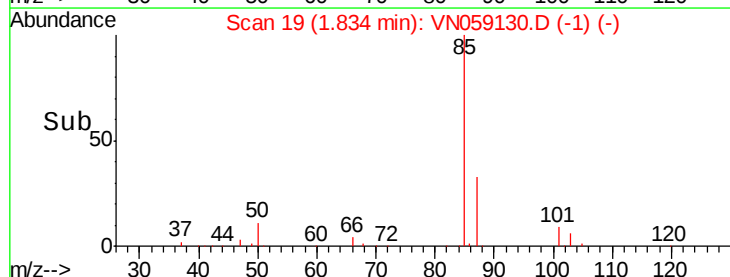
150000

100000

50000

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Time-->





#3

Chloromethane

Concen: 42.785 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

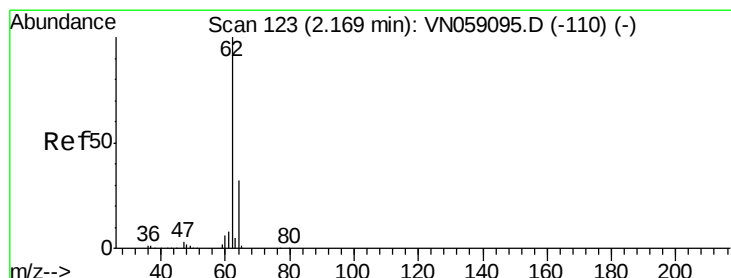
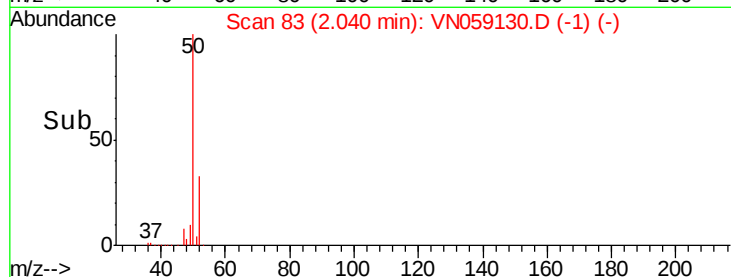
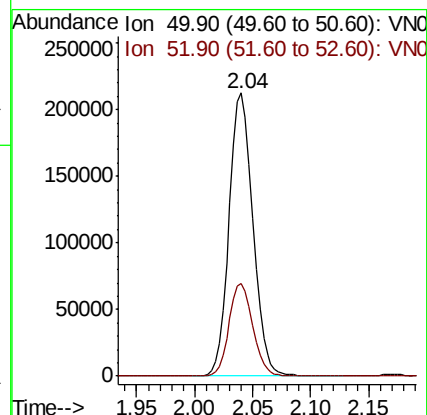
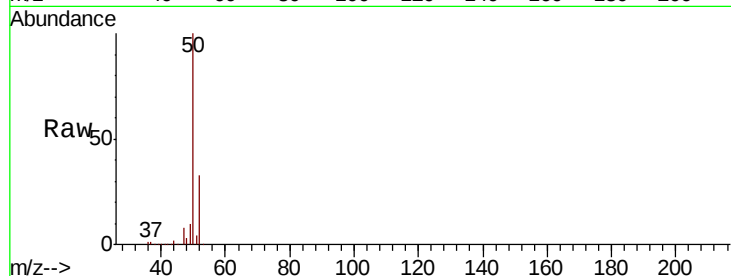
VSTDCCC050

Tot Ion: 50 Resp: 303431

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0



#4

Vinyl Chloride

Concen: 44.279 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059130.D

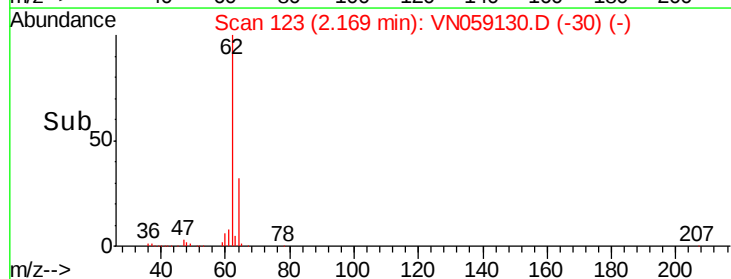
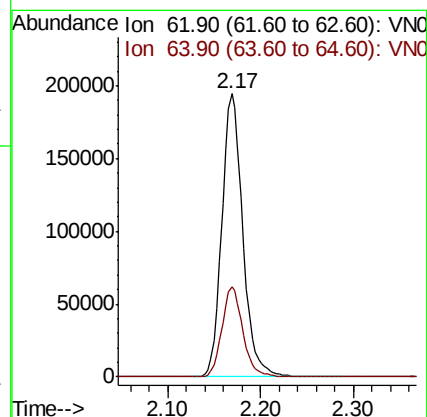
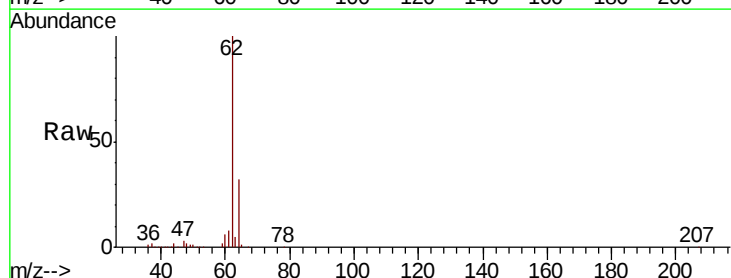
Acq: 8 Nov 2019 8:50

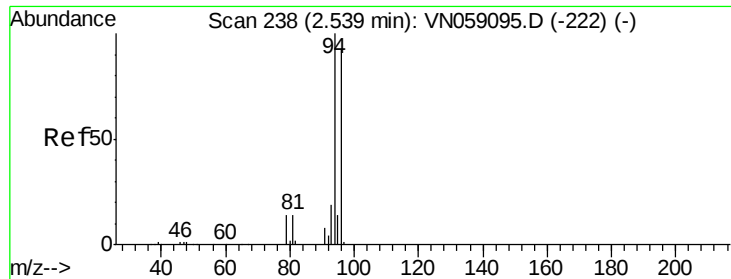
Tgt Ion: 62 Resp: 304454

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 41.823 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

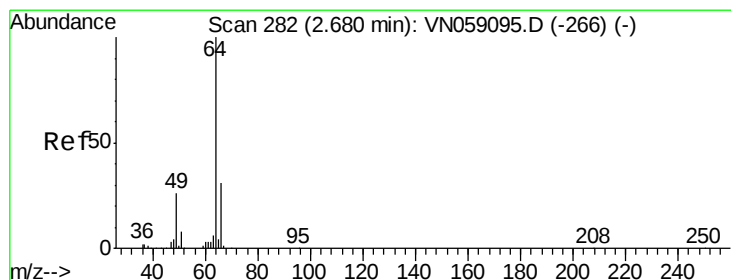
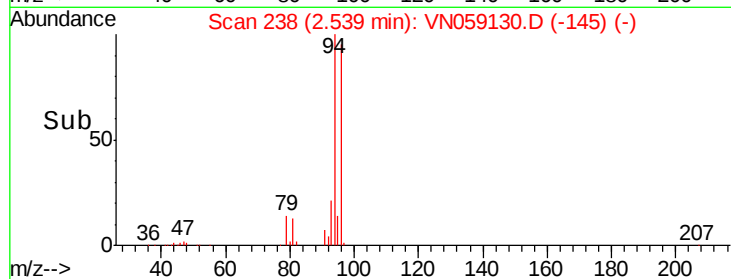
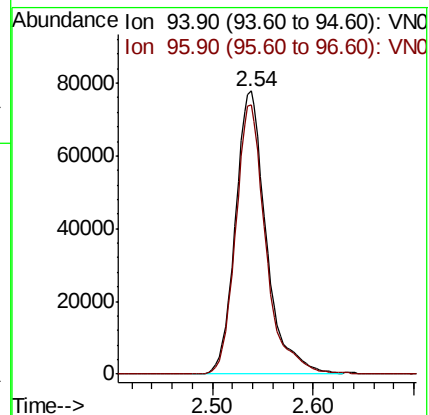
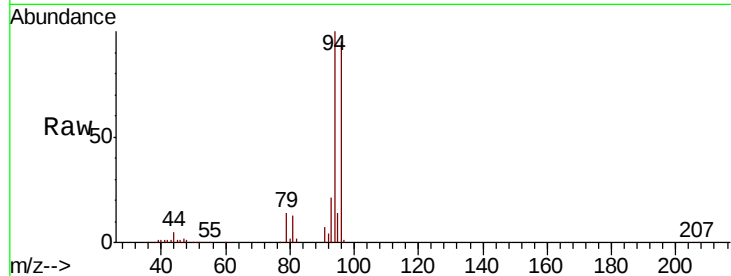
VSTDCCC050

Tot Ion: 94 Resp: 165486

Ion Ratio Lower Upper

94 100

96 94.9 74.2 111.2



#6

Chloroethane

Concen: 45.306 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059130.D

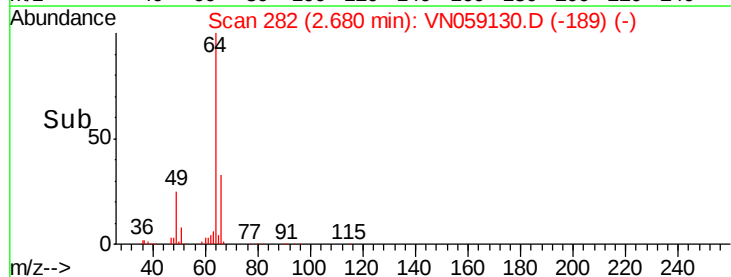
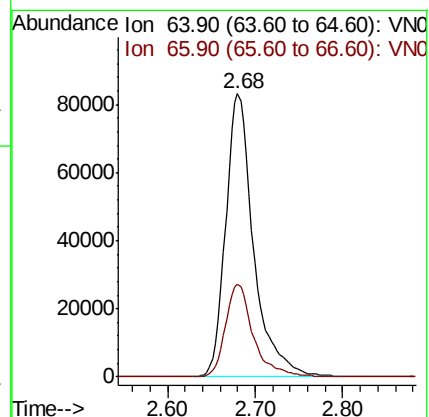
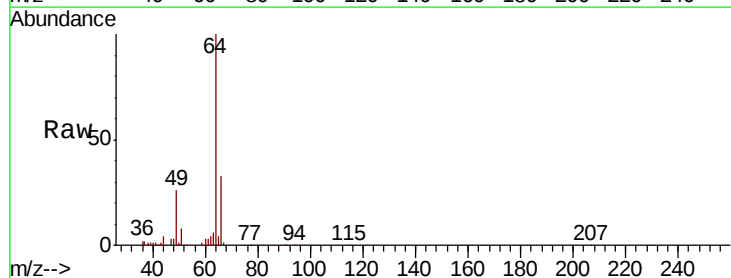
Acq: 8 Nov 2019 8:50

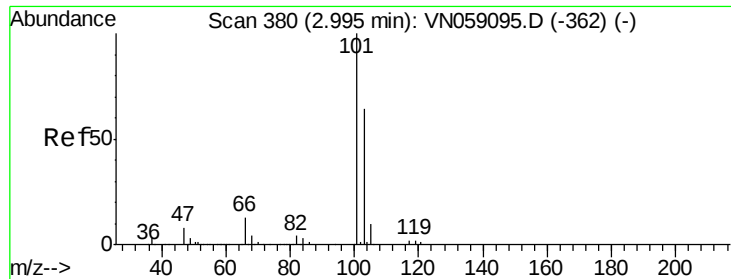
Tgt Ion: 64 Resp: 184278

Ion Ratio Lower Upper

64 100

66 32.7 25.2 37.8



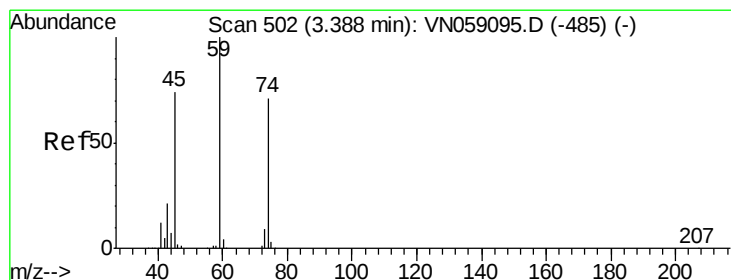
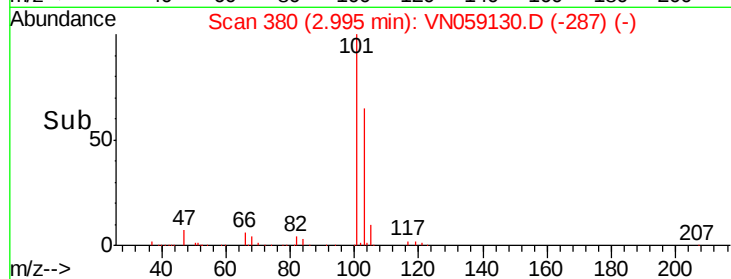
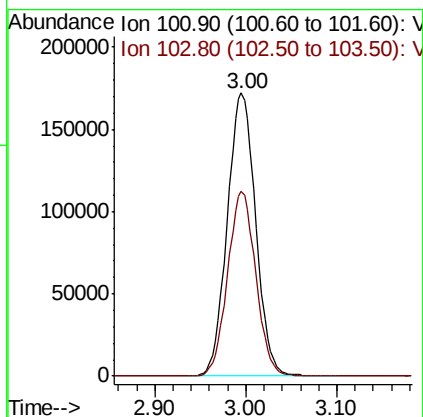
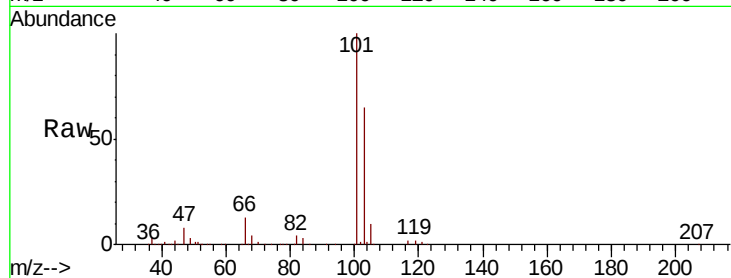


#7

Trichlorofluoromethane
 Concen: 45.394 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

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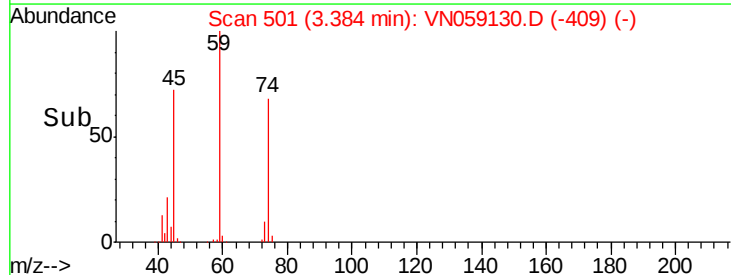
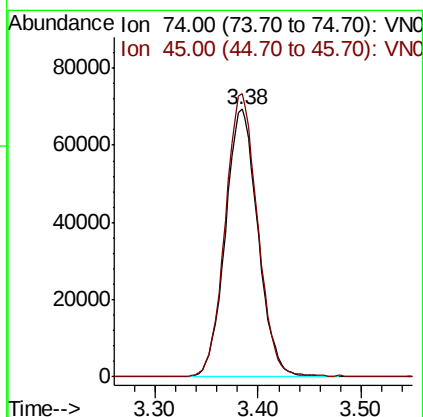
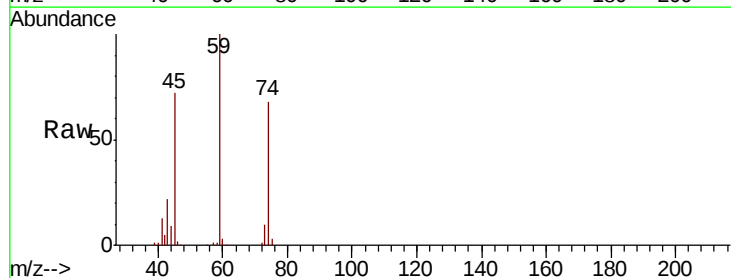
Tot Ion:101 Resp: 373331
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8



#8

Diethyl Ether
 Concen: 45.661 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion: 74 Resp: 152588
 Ion Ratio Lower Upper
 74 100
 45 105.4 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.904 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

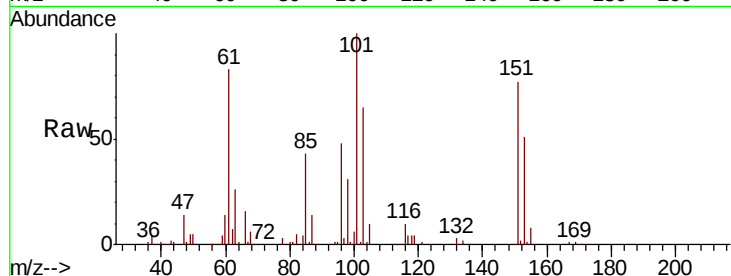
Tot Ion:101 Resp: 227629

Ion Ratio Lower Upper

101 100

85 43.8 35.5 53.3

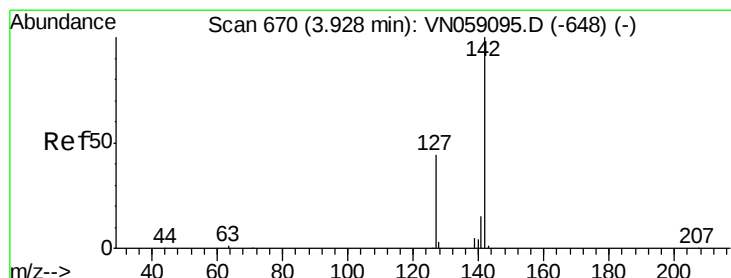
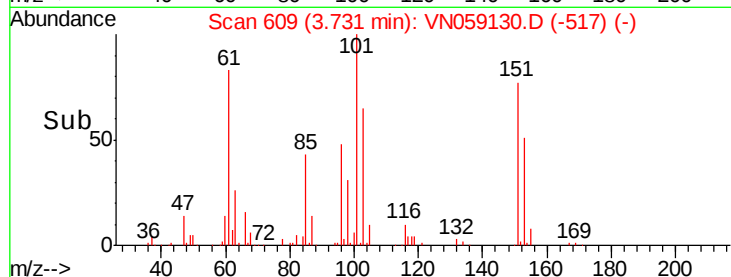
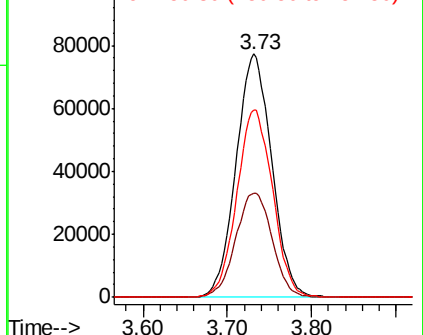
151 77.3 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.855 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

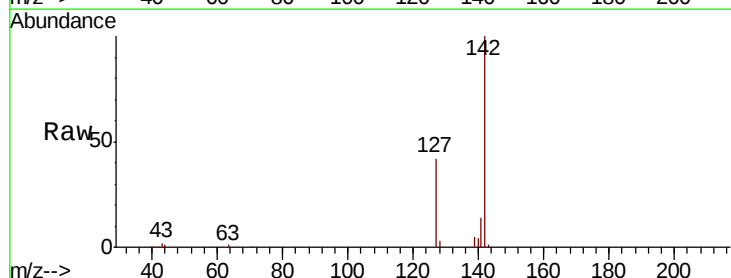
Tgt Ion:142 Resp: 244629

Ion Ratio Lower Upper

142 100

127 42.4 34.2 51.2

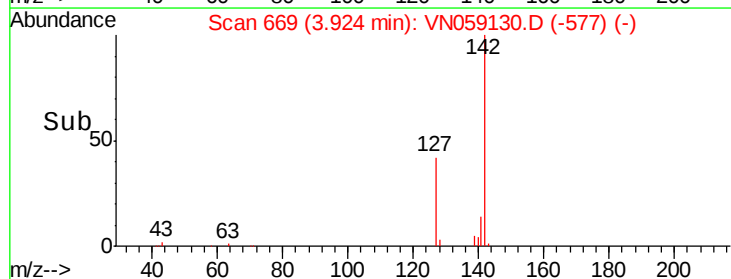
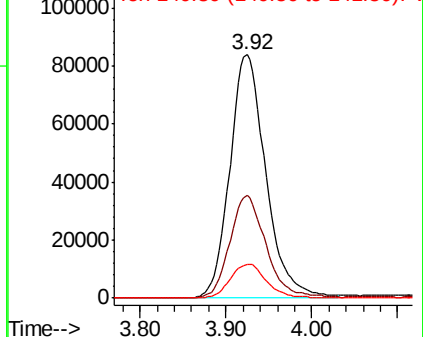
141 14.1 11.4 17.0

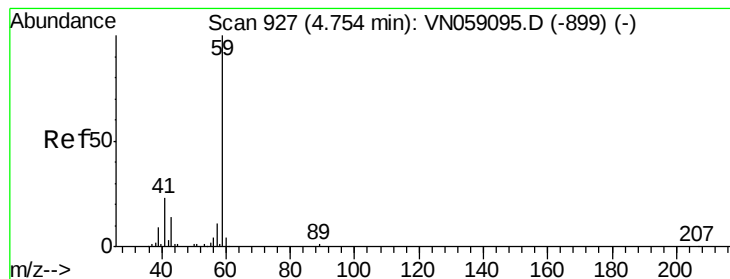


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 196.693 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

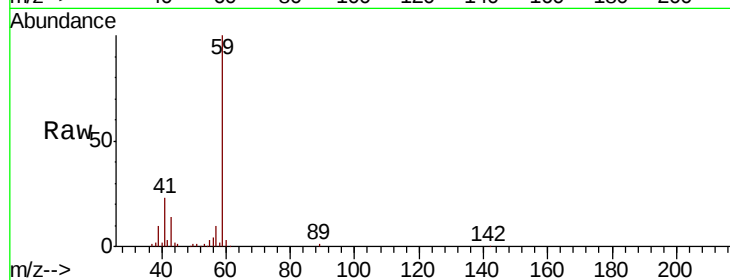
VSTDCCC050

Tot Ion: 59 Resp: 238608

Ion Ratio Lower Upper

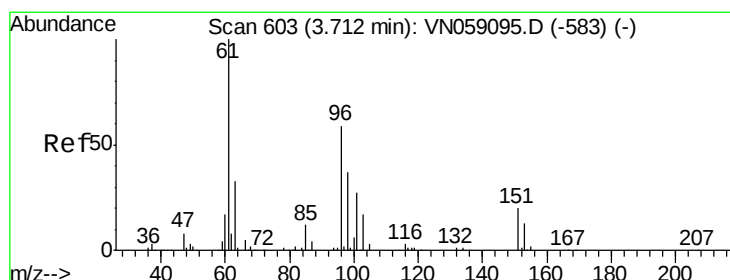
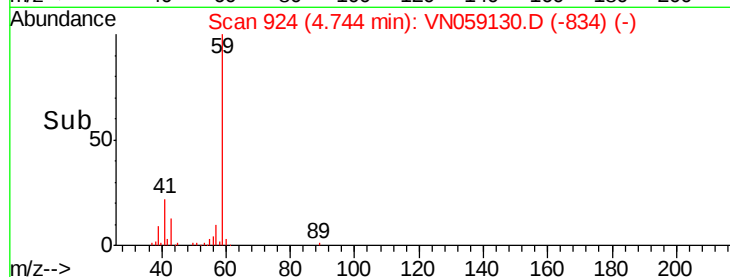
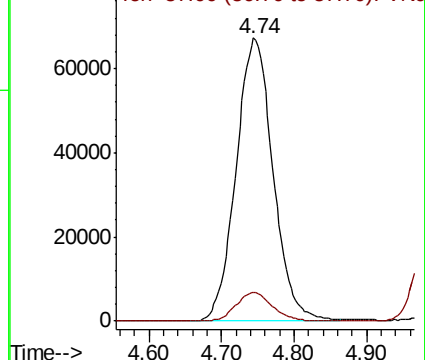
59 100

57 10.1 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN059130.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VN059130.D (-834) (-)



#12

1,1-Dichloroethene

Concen: 45.965 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

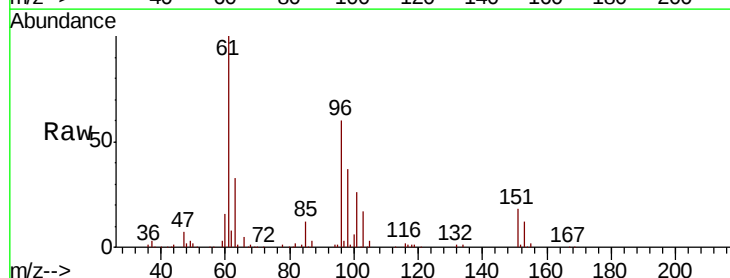
Tgt Ion: 96 Resp: 222035

Ion Ratio Lower Upper

96 100

61 166.6 136.5 204.7

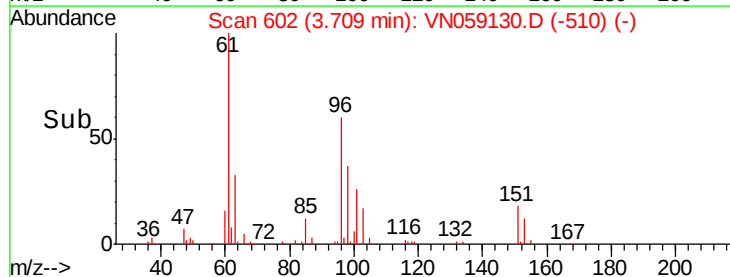
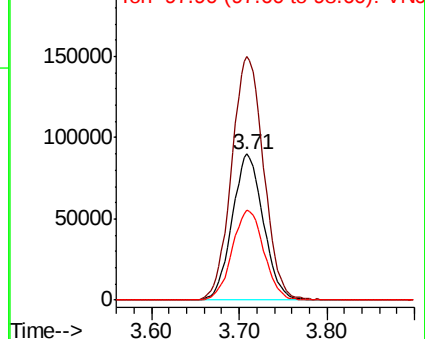
98 61.3 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN059130.D (-510) (-)

Ion 60.90 (60.60 to 61.60): VN059130.D (-510) (-)

Ion 97.90 (97.60 to 98.60): VN059130.D (-510) (-)





#13

Acrolein

Concen: 183.820 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

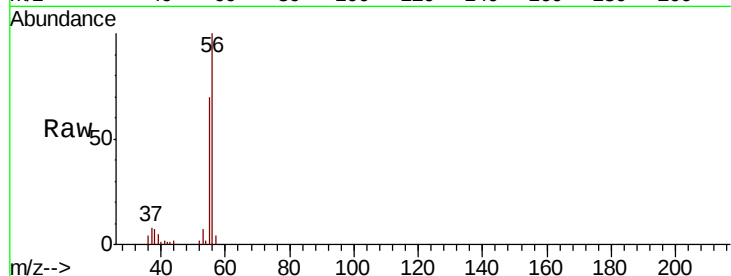
VSTDCCC050

Tot Ion: 56 Resp: 114970

Ion Ratio Lower Upper

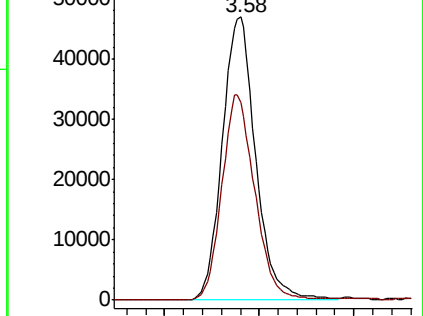
56 100

55 71.4 56.4 84.6

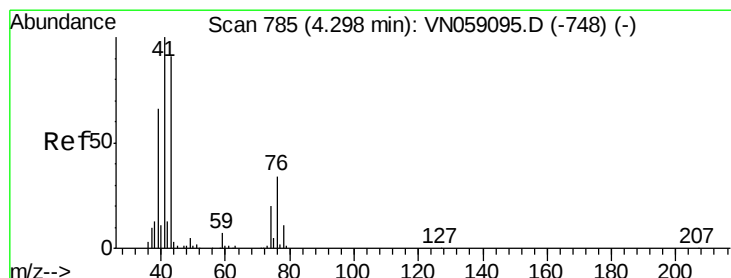
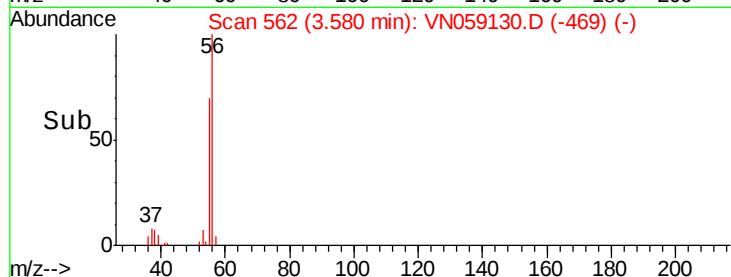


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 45.018 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

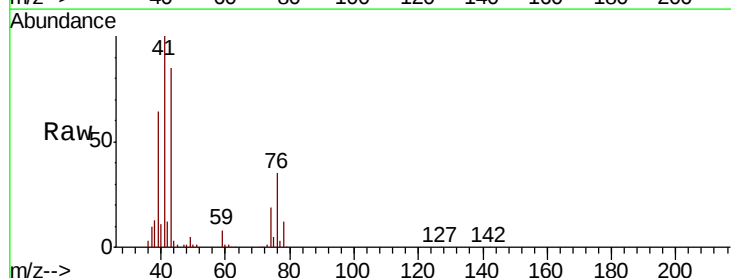
Tgt Ion: 41 Resp: 446691

Ion Ratio Lower Upper

41 100

39 59.6 49.1 73.7

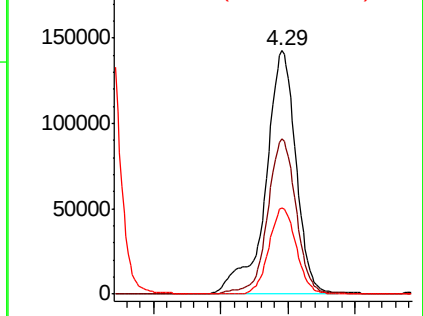
76 31.5 24.9 37.3



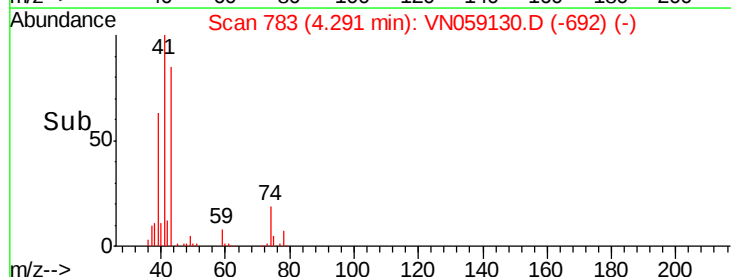
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 222.547 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

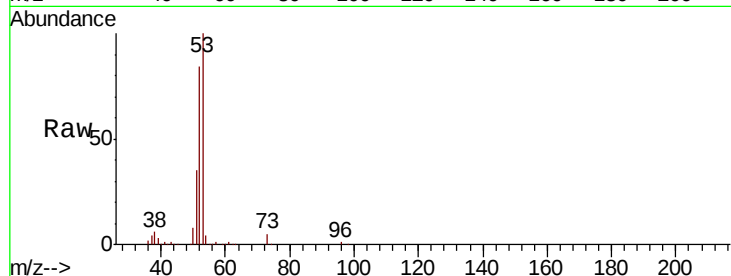
Tot Ion: 53 Resp: 671868

Ion Ratio Lower Upper

53 100

52 82.1 65.0 97.6

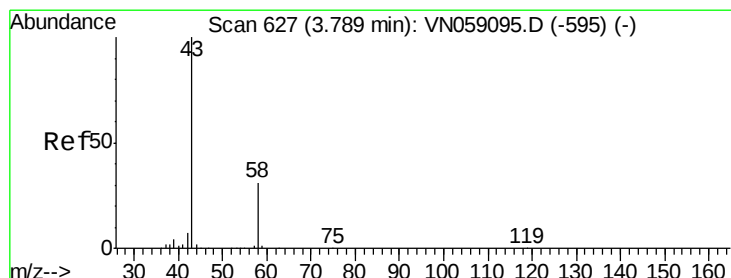
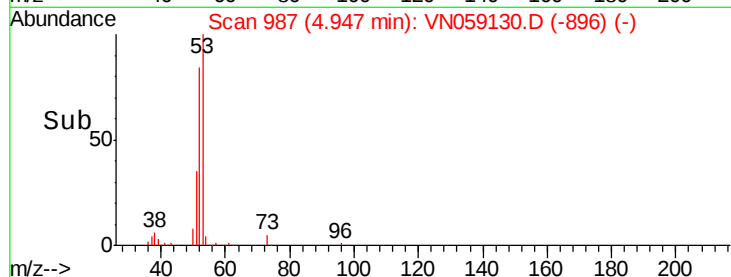
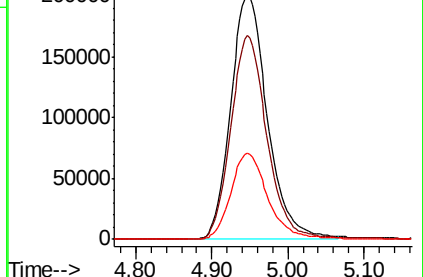
51 35.8 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059130.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VN059130.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VN059130.D (-534) (-)



#16

Acetone

Concen: 258.889 ug/l

RT: 3.78 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN059130.D

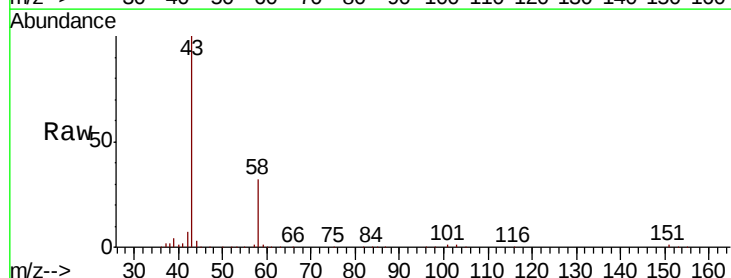
Acq: 8 Nov 2019 8:50

Tgt Ion: 43 Resp: 856953

Ion Ratio Lower Upper

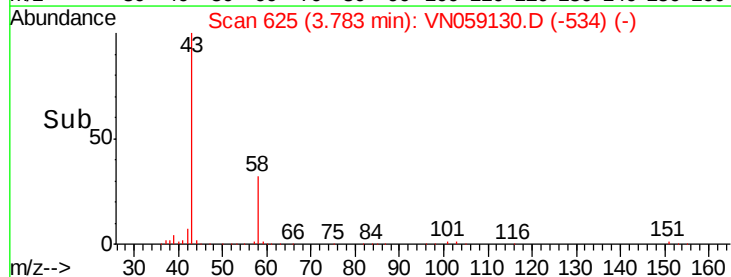
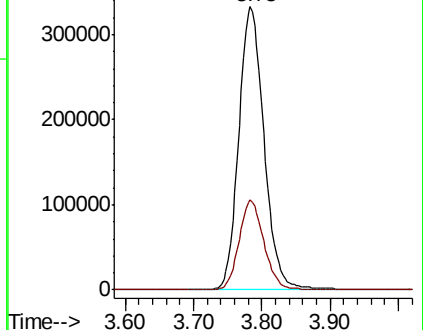
43 100

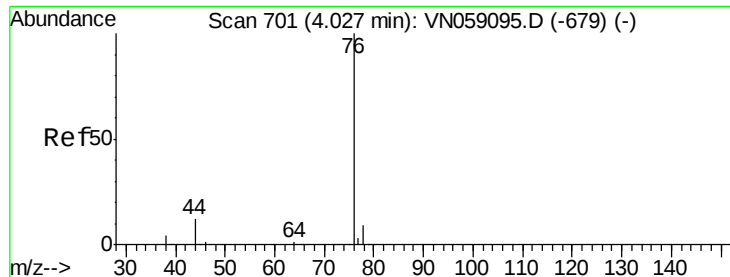
58 31.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059130.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059130.D (-534) (-)

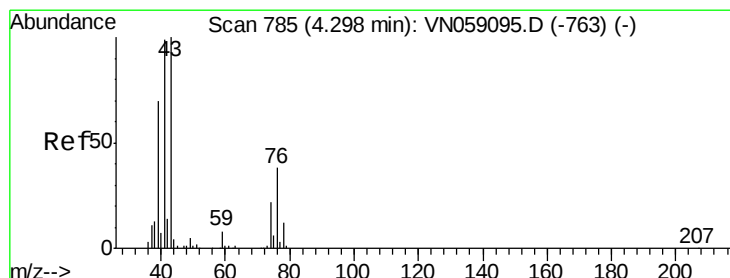
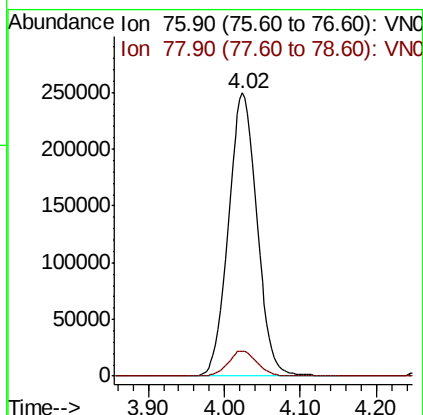
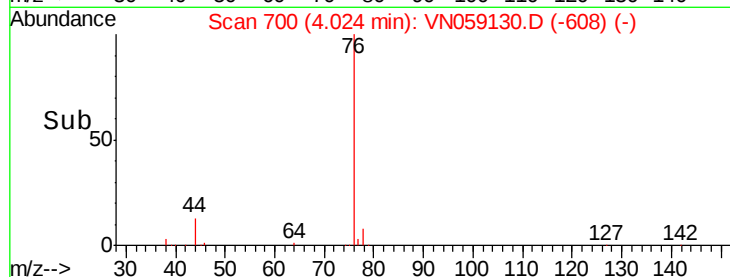
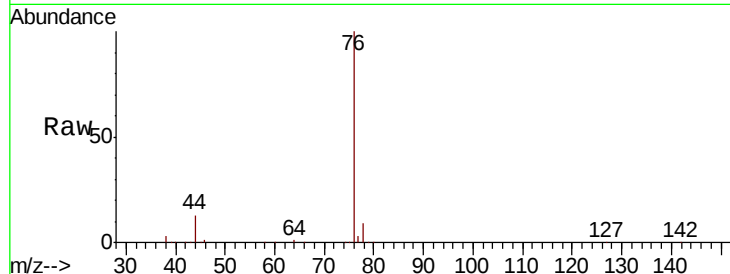




#17
Carbon Disulfide
Concen: 43.406 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

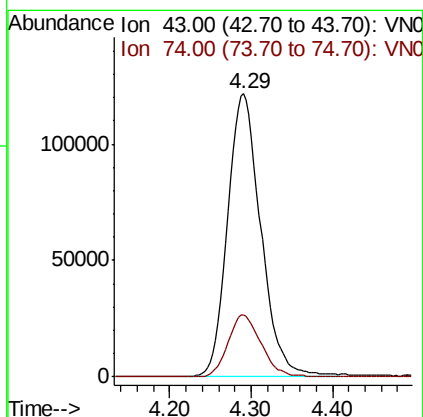
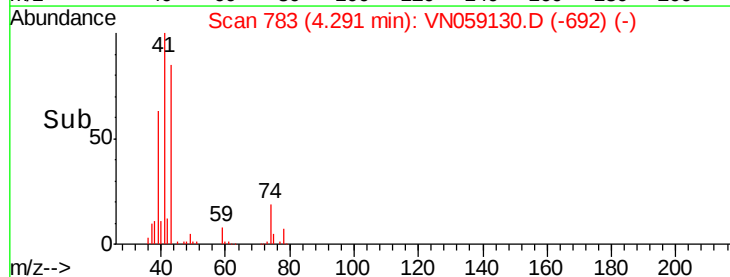
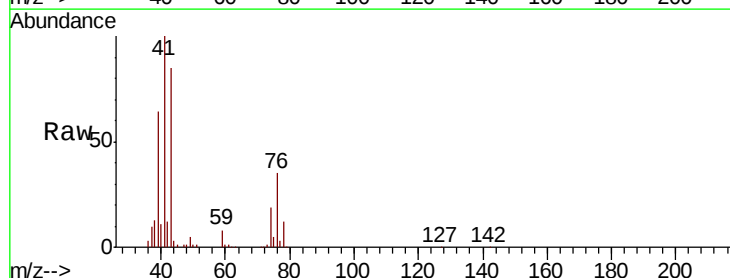
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

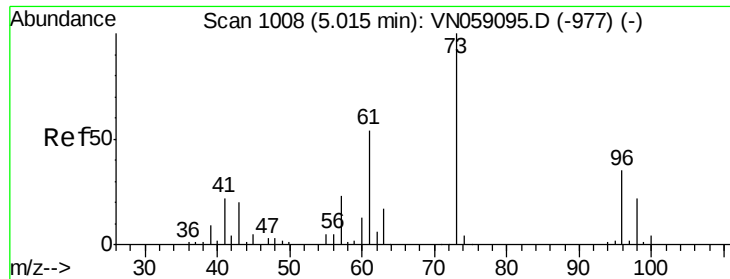
Tot Ion: 76 Resp: 650865
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 43.772 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion: 43 Resp: 343912
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8

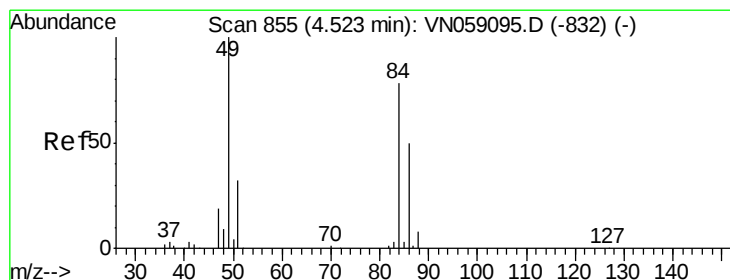
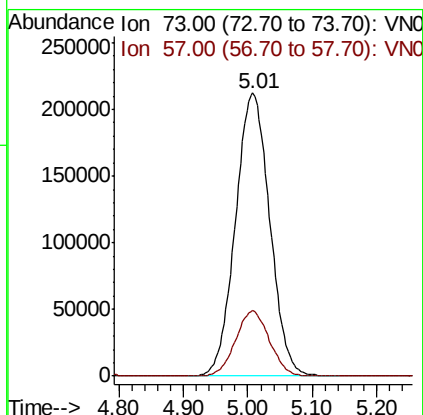
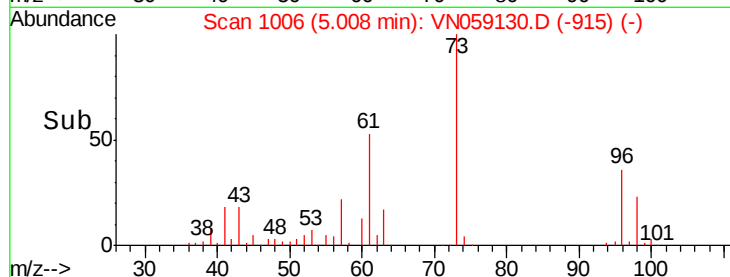
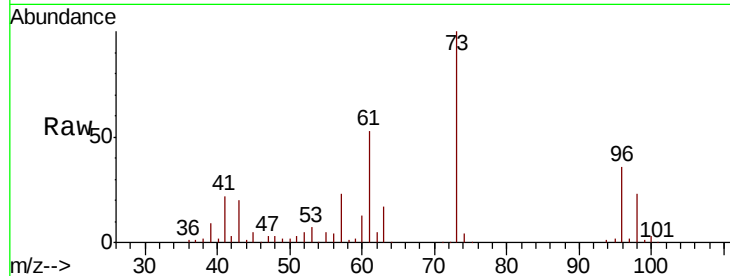




#19
Methvl tert-butvl Ether
Concen: 47.338 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

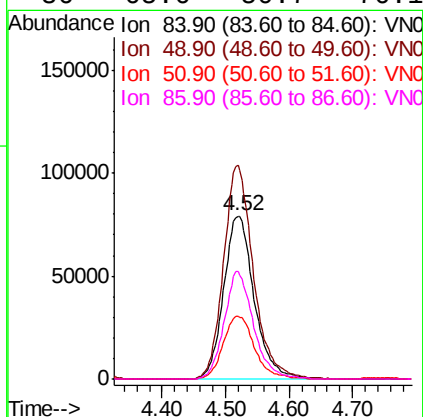
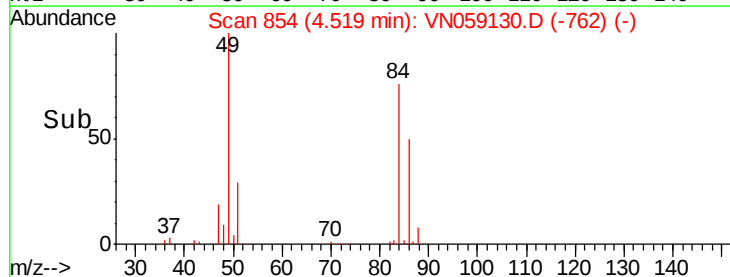
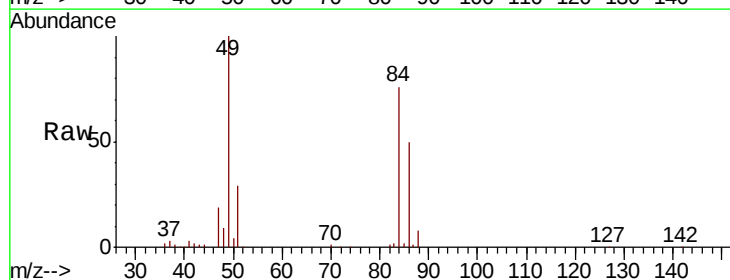
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

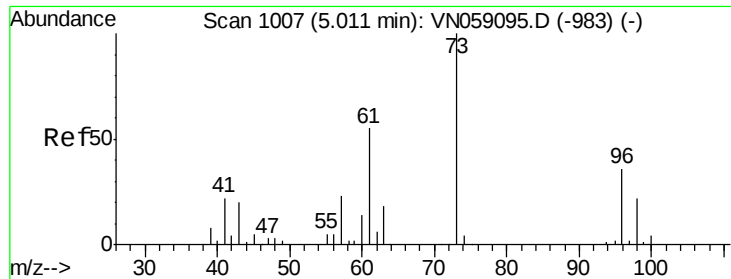
Tot Ion: 73 Resp: 787259
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6



#20
Methylene Chloride
Concen: 45.754 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion: 84 Resp: 263851
Ion Ratio Lower Upper
84 100
49 131.0 102.0 153.0
51 38.4 32.2 48.2
86 65.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 46.404 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

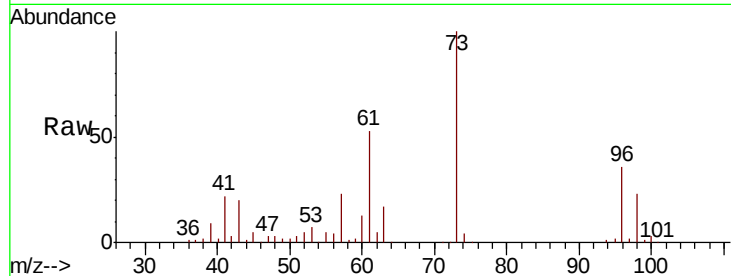
Tot Ion: 96 Resp: 240608

Ion Ratio Lower Upper

96 100

61 149.6 122.6 183.8

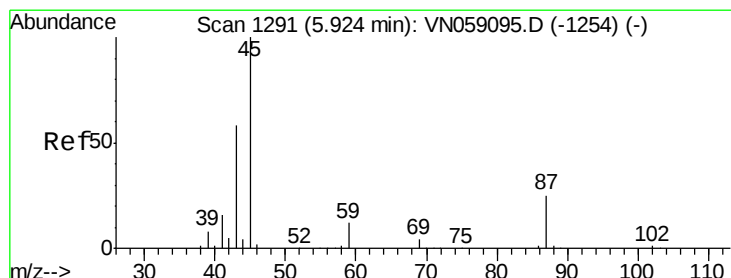
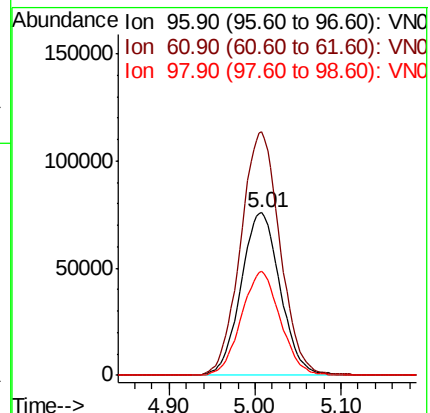
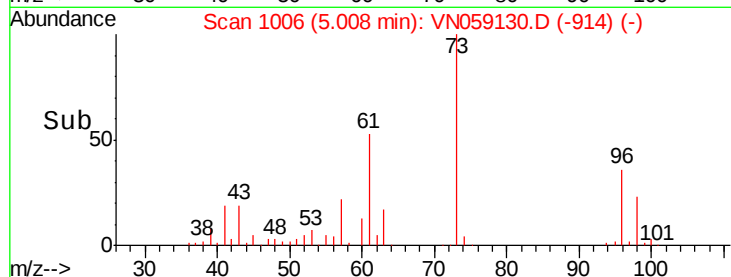
98 63.7 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN059130.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059130.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059130.D (-914) (-)



#22

Diisopropyl ether

Concen: 47.695 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion: 45 Resp: 893896

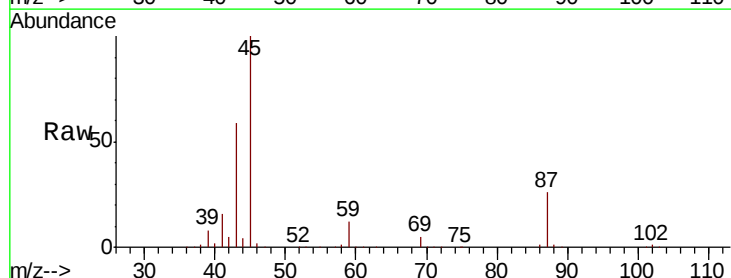
Ion Ratio Lower Upper

45 100

43 58.7 46.7 70.1

87 25.7 20.5 30.7

59 11.5 9.6 14.4

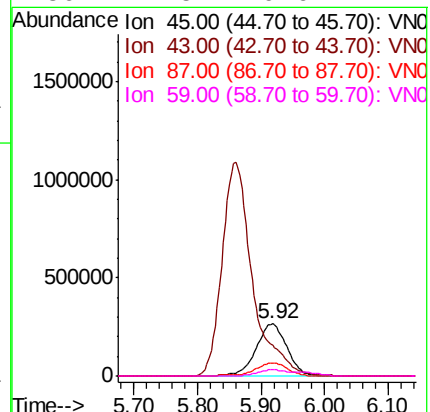
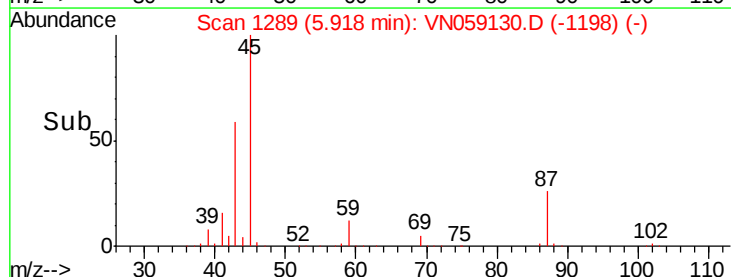


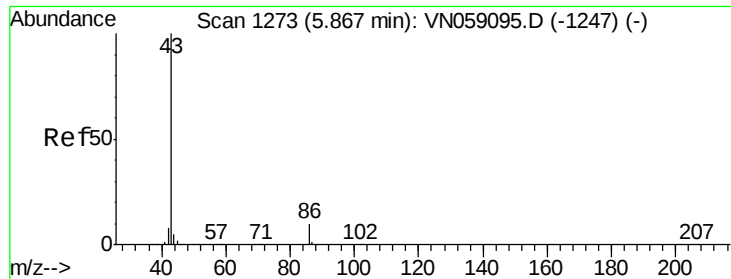
Abundance Ion 45.00 (44.70 to 45.70): VN059130.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN059130.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059130.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059130.D (-1198) (-)





#23

Vinyl Acetate

Concen: 249.061 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

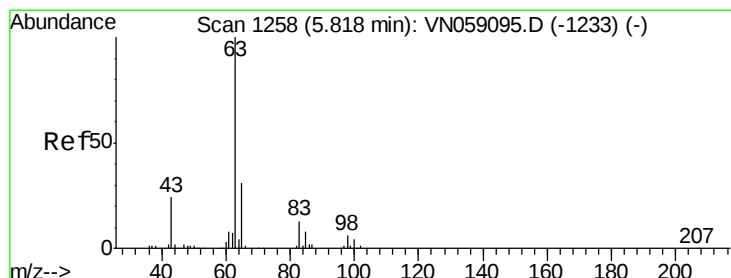
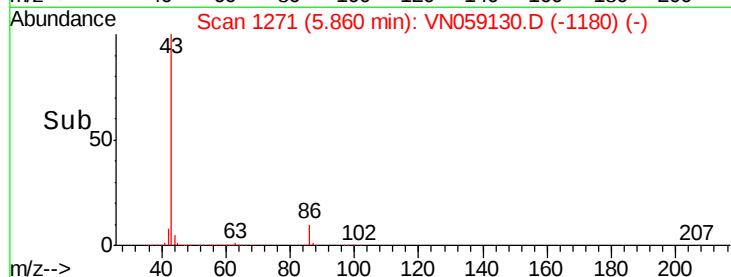
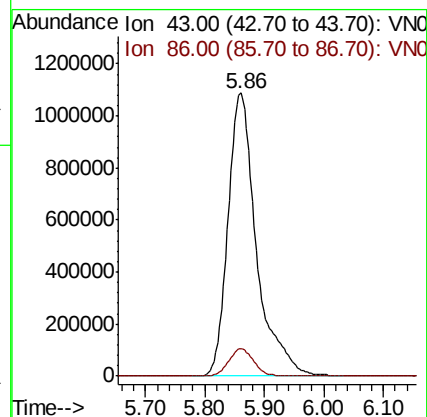
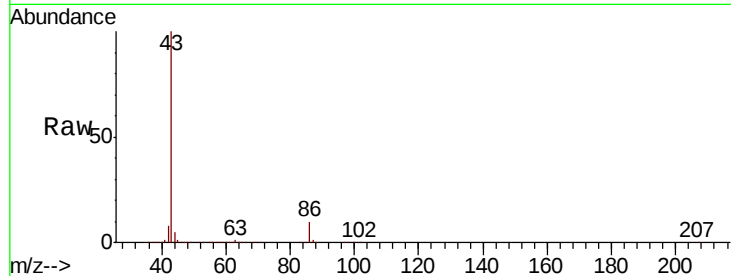
VSTDCCC050

Tot Ion: 43 Resp: 3617706

Ion Ratio Lower Upper

43 100

86 9.7 7.7 11.5



#24

1,1-Dichloroethane

Concen: 46.351 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

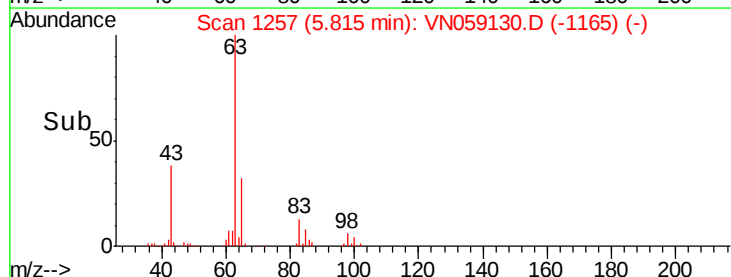
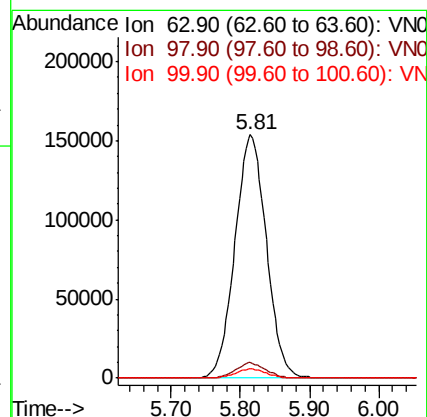
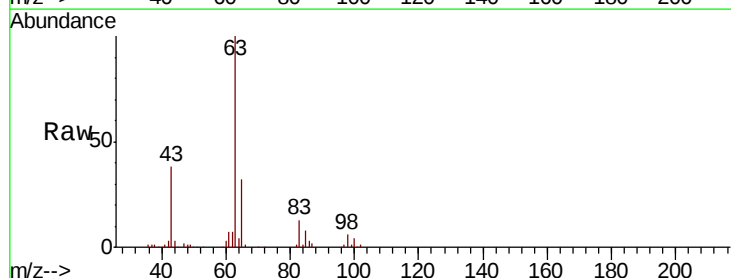
Tgt Ion: 63 Resp: 485196

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

100 3.8 1.9 5.7

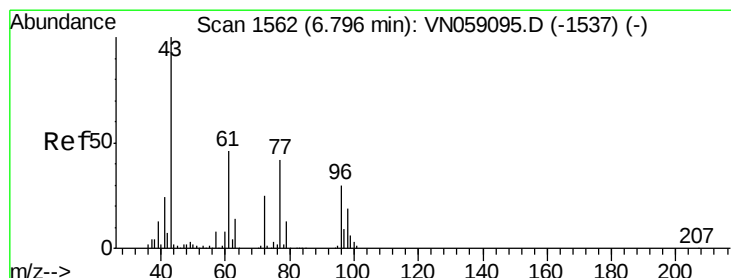
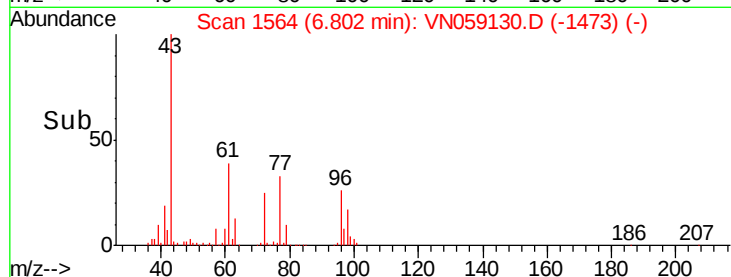
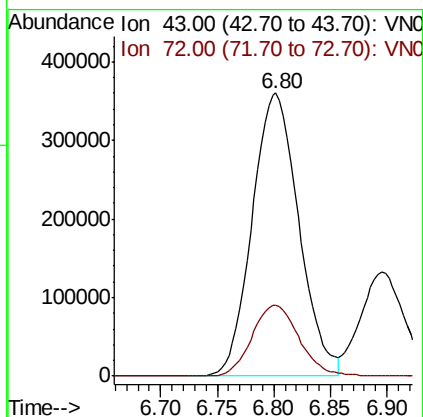
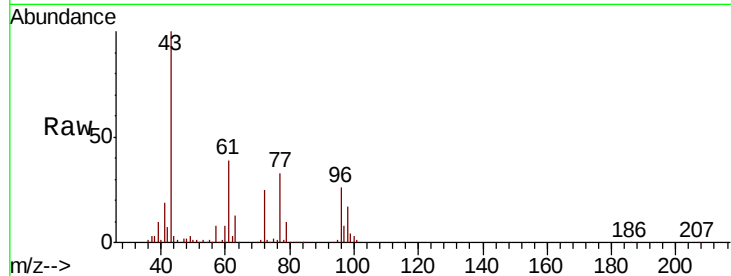




#25
2-Butanone
Concen: 236.075 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

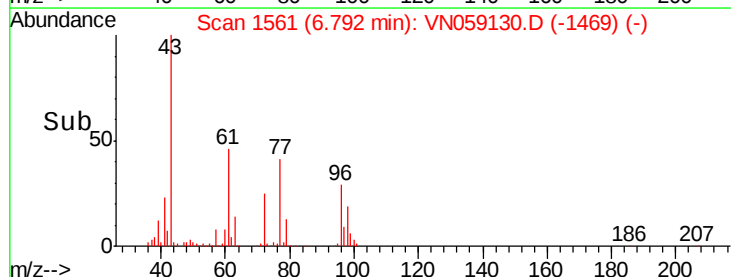
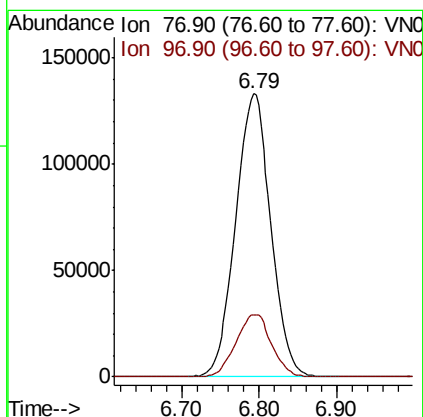
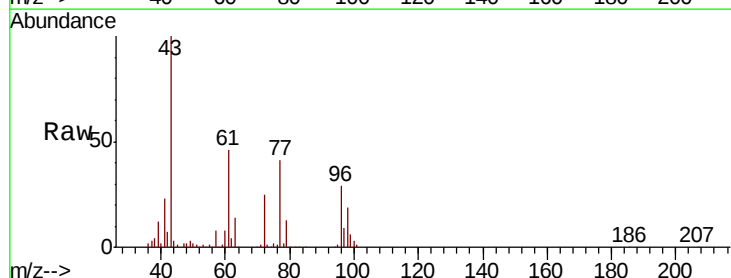
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

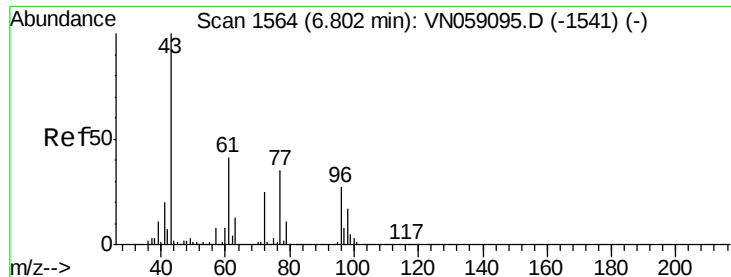
Tot Ion: 43 Resp: 1029885
Ion Ratio Lower Upper
43 100
72 25.2 20.3 30.5



#26
2,2-Dichloropropane
Concen: 45.899 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion: 77 Resp: 420127
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 46.640 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

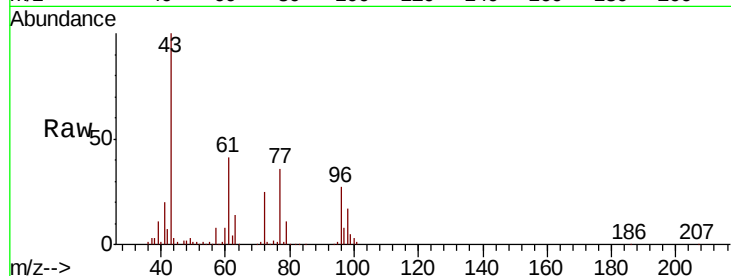
Tot Ion: 96 Resp: 280562

Ion Ratio Lower Upper

96 100

61 156.3 0.0 311.6

98 64.4 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059130.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059130.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059130.D (-1471) (-)

200000

150000

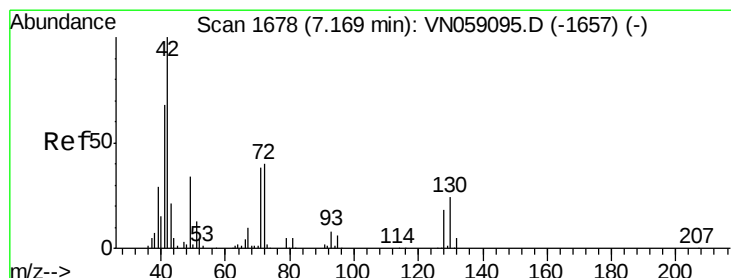
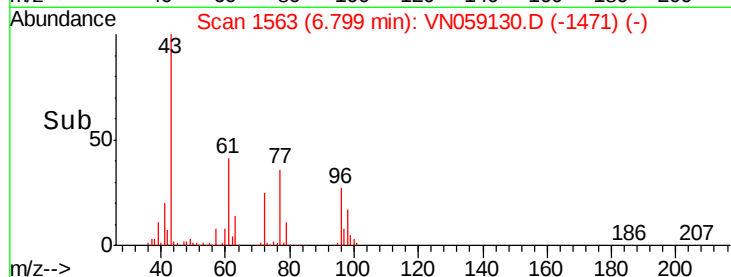
100000

50000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 44.971 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

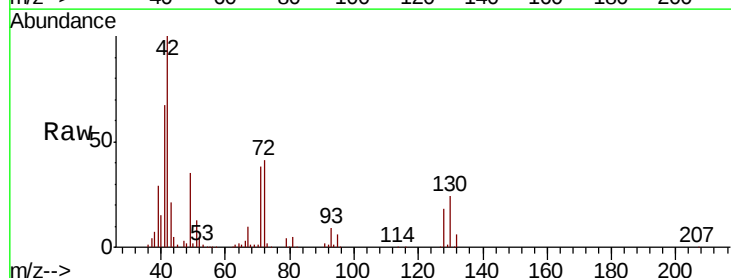
Tgt Ion: 49 Resp: 141628

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

130 70.2 55.6 83.4



Abundance Ion 48.90 (48.60 to 49.60): VN059130.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059130.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059130.D (-1585) (-)

60000

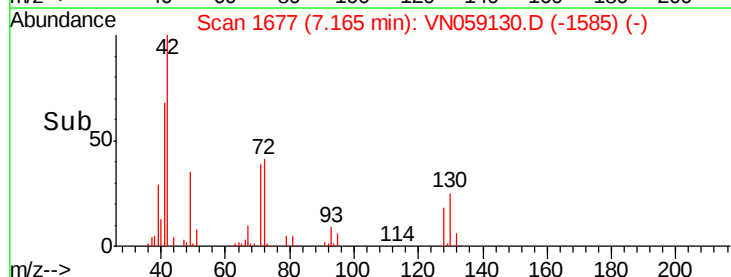
40000

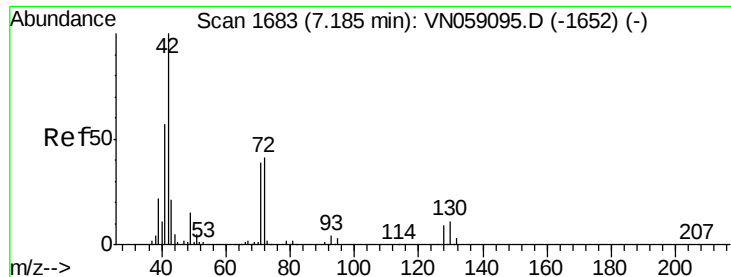
20000

0

7.10 7.20 7.30

Time-->

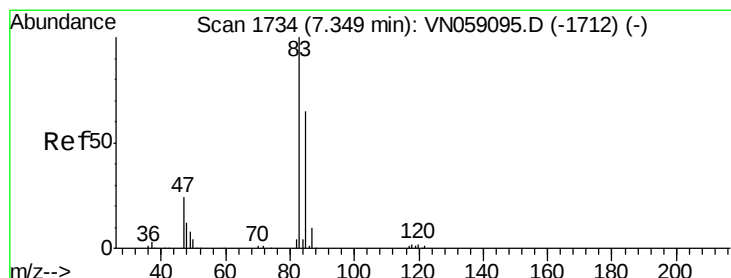
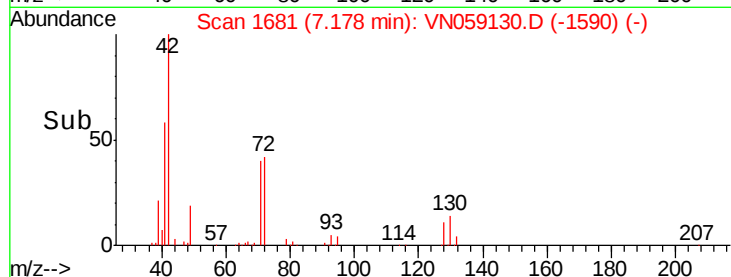
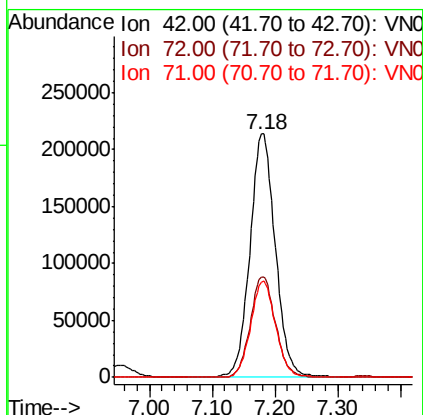
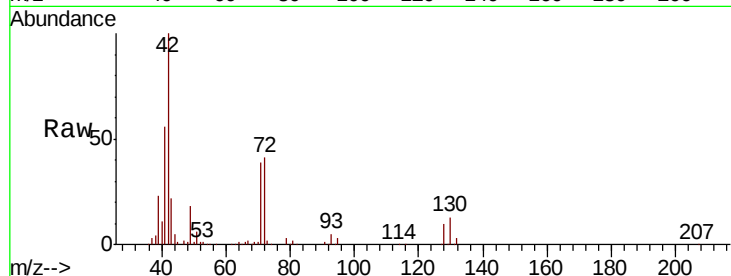




#29
Tetrahydrofuran
Concen: 216.087 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

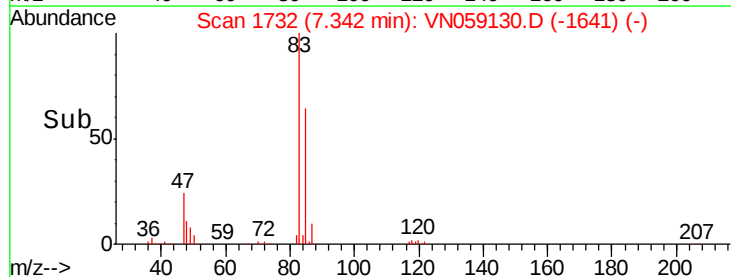
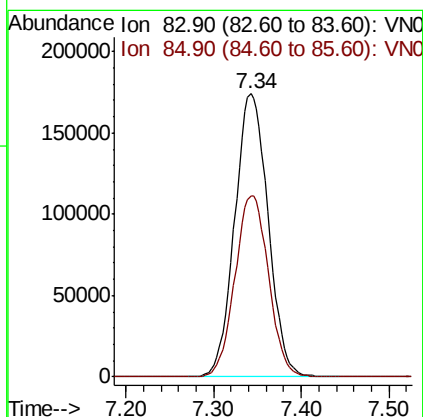
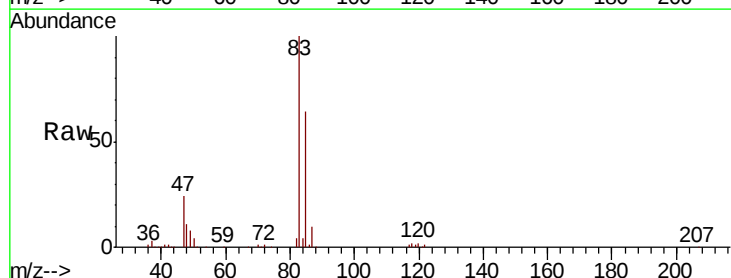
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

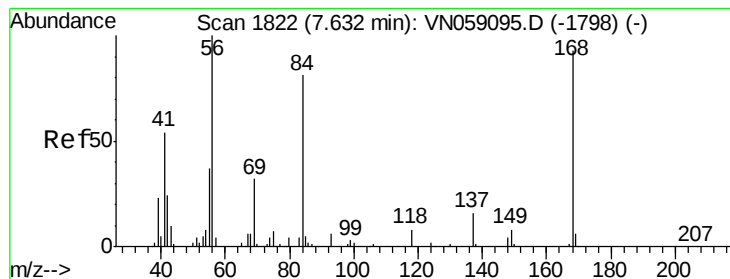
Tot Ion: 42 Resp: 598982
Ion Ratio Lower Upper
42 100
72 40.8 33.1 49.7
71 39.1 30.9 46.3



#30
Chloroform
Concen: 45.975 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion: 83 Resp: 461665
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.8





#31

Cyclohexane

Concen: 44.028 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

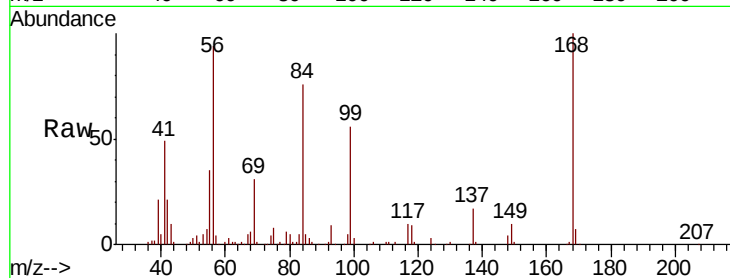
Tot Ion: 56 Resp: 436302

Ion Ratio Lower Upper

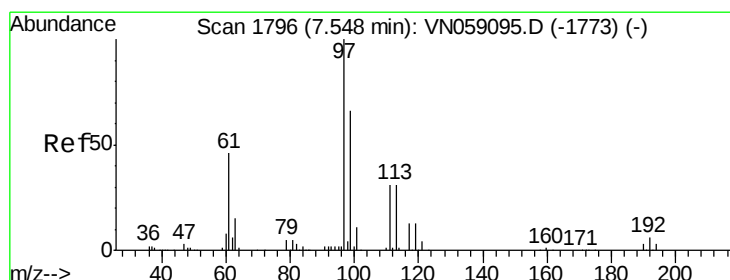
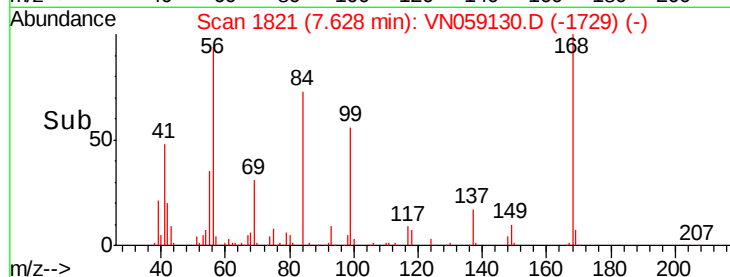
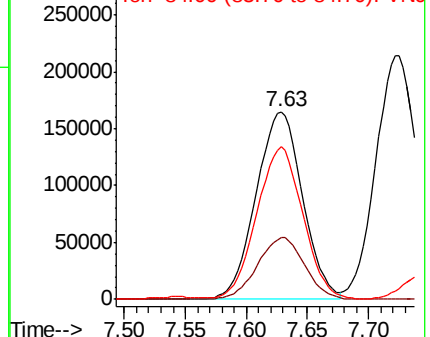
56 100

69 32.9 25.8 38.8

84 80.3 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 46.762 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

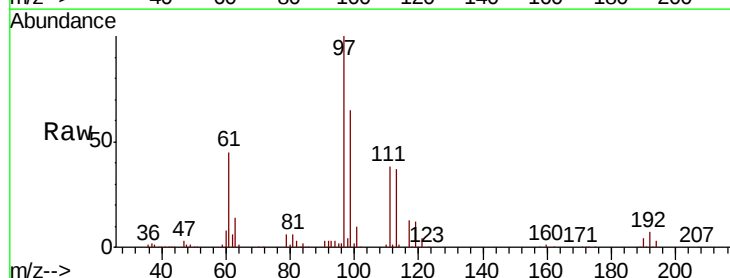
Tgt Ion: 97 Resp: 394790

Ion Ratio Lower Upper

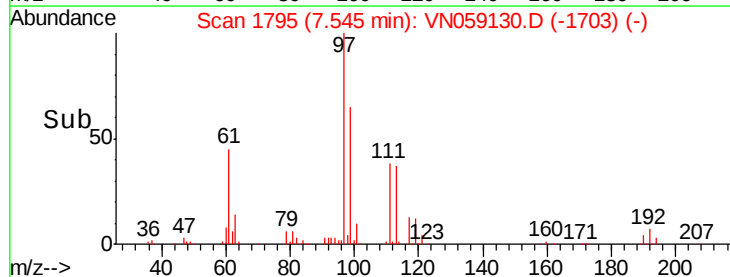
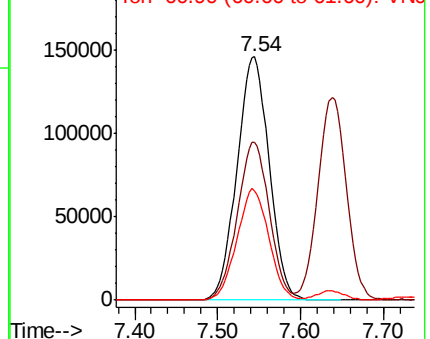
97 100

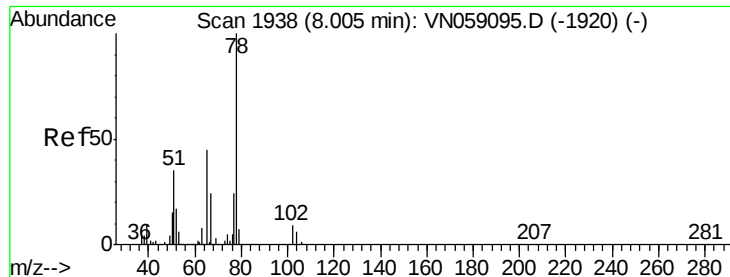
99 64.7 51.0 76.6

61 45.2 35.8 53.8



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





#33

1,2-Dichloroethane-d4

Concen: 48.107 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

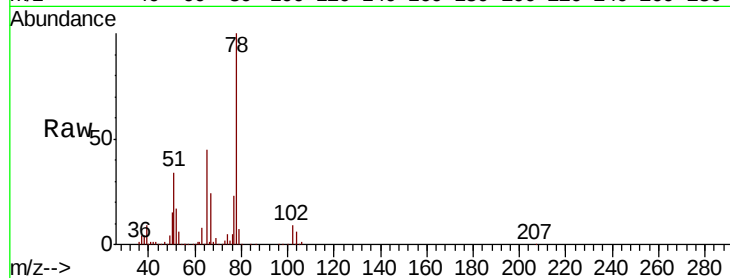
VSTDCCC050

Tot Ion: 65 Resp: 306216

Ion Ratio Lower Upper

65 100

67 54.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059130.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059130.D (-1845) (-)

8.00

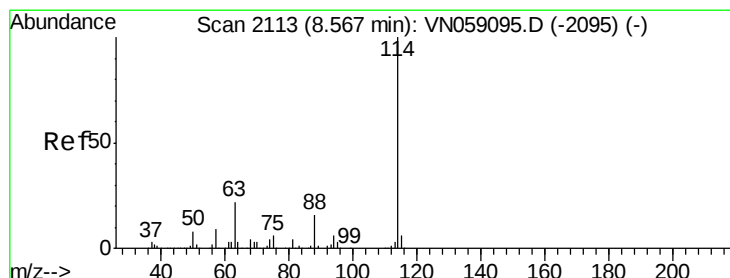
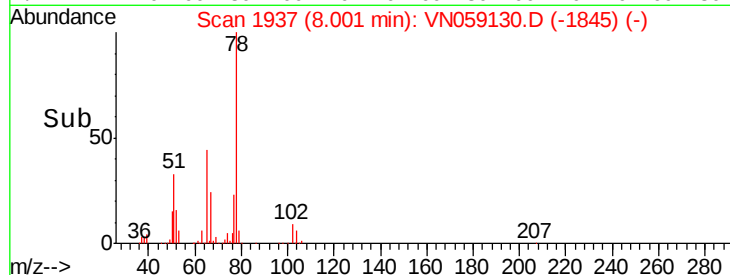
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

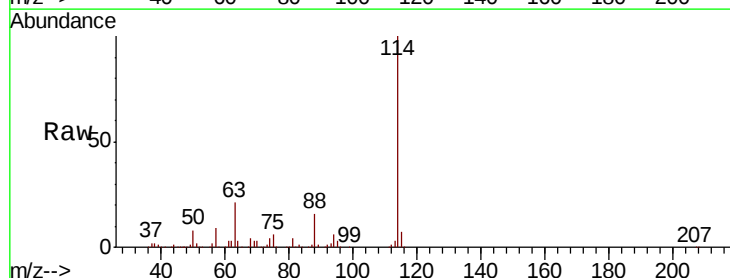
Tgt Ion: 114 Resp: 799795

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.4

88 16.3 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059130.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059130.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059130.D (-2020) (-)

8.56

500000

400000

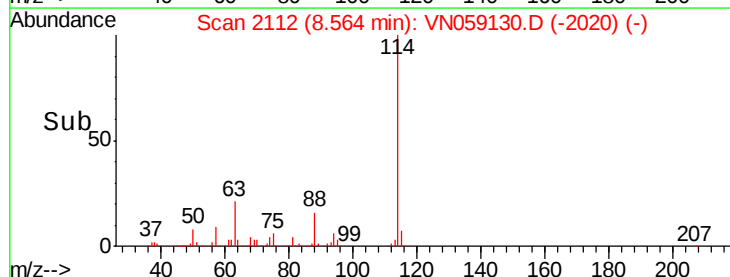
300000

200000

100000

0

Time-->

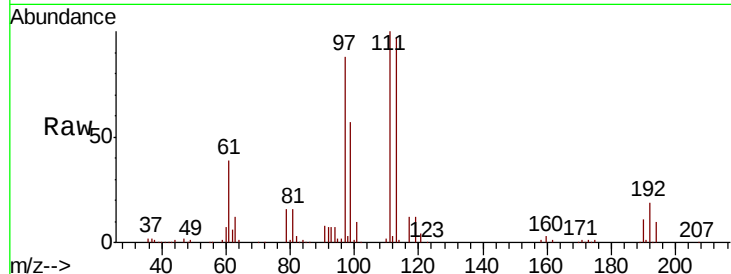




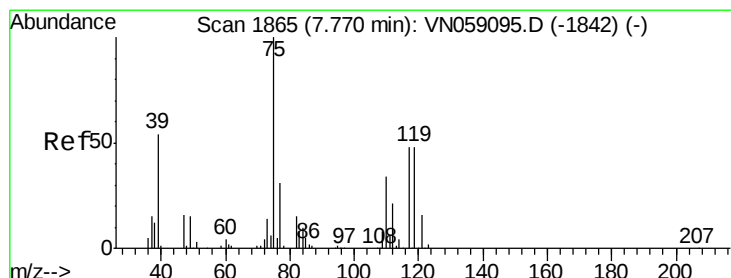
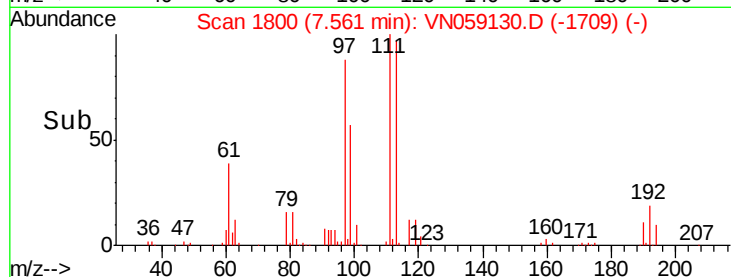
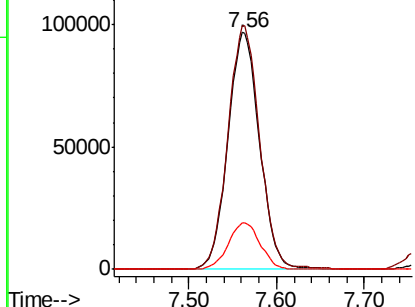
#35
 Dibromofluoromethane
 Concen: 50.834 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 242760
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.8 124.2
 192 19.8 16.1 24.1

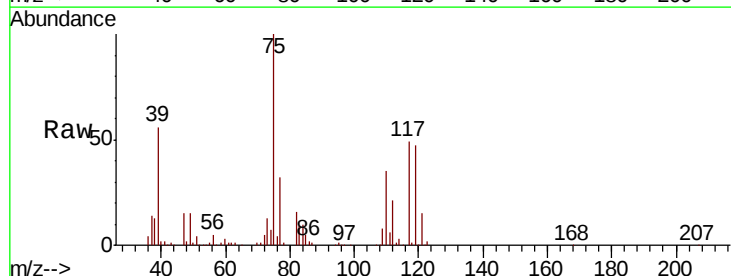


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

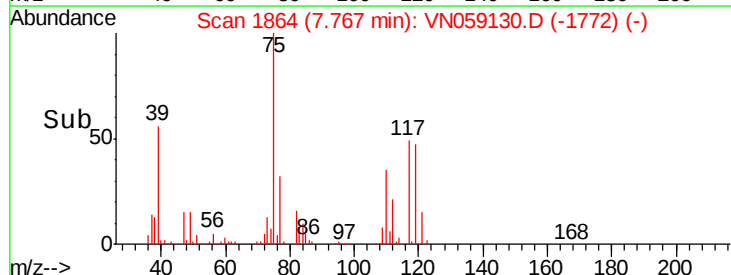
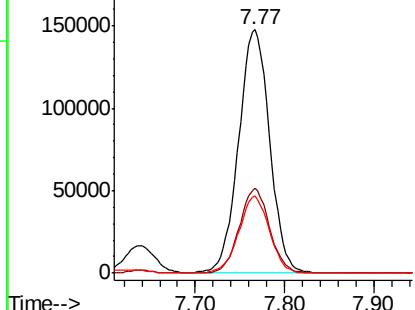


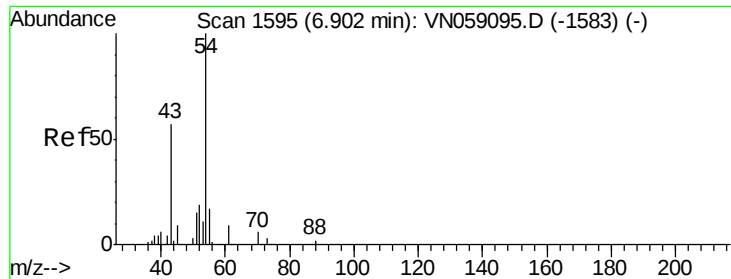
#36
 1,1-Dichloropropene
 Concen: 47.654 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion: 75 Resp: 356250
 Ion Ratio Lower Upper
 75 100
 110 34.0 17.1 51.2
 77 31.3 24.8 37.2



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

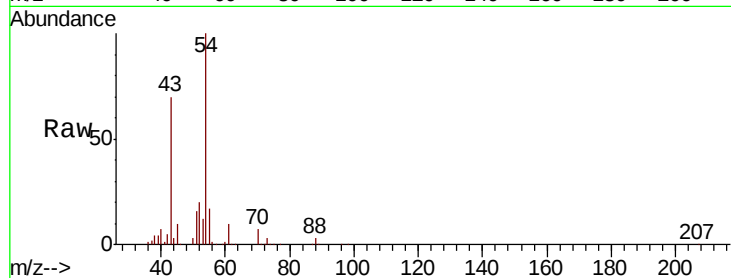




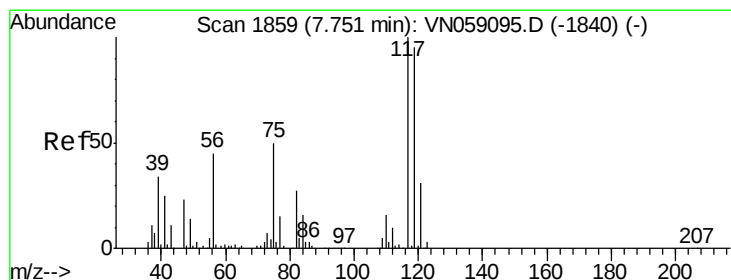
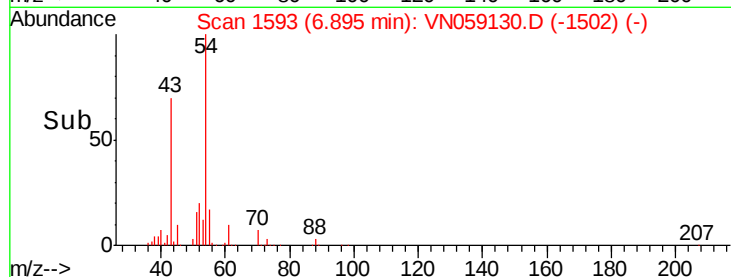
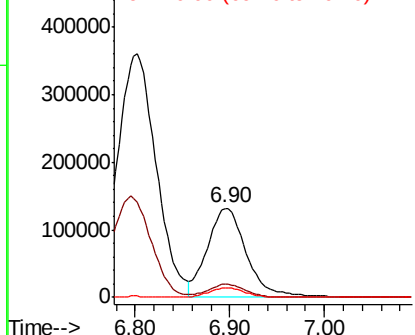
#37
Ethyl Acetate
Concen: 44.573 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 370693
Ion Ratio Lower Upper
43 100
61 14.0 11.2 16.8
70 9.9 7.8 11.8

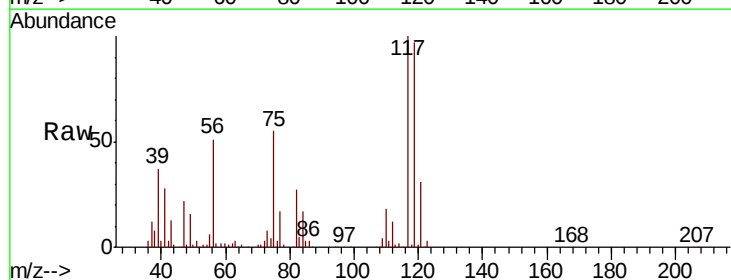


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

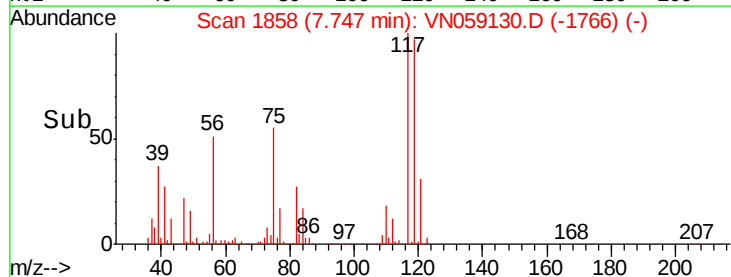
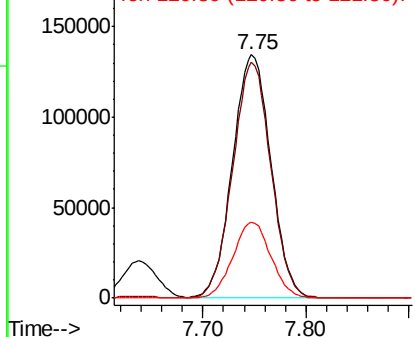


#38
Carbon Tetrachloride
Concen: 46.679 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion: 117 Resp: 347325
Ion Ratio Lower Upper
117 100
119 96.9 75.6 113.4
121 31.2 24.6 36.8



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

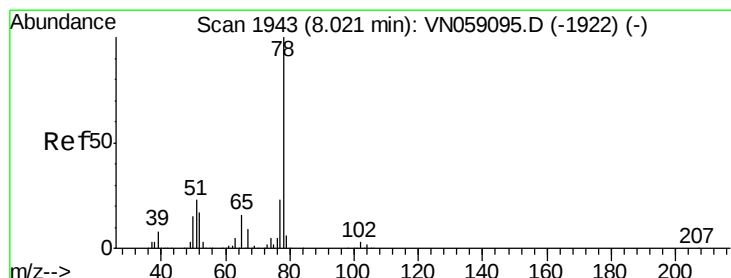
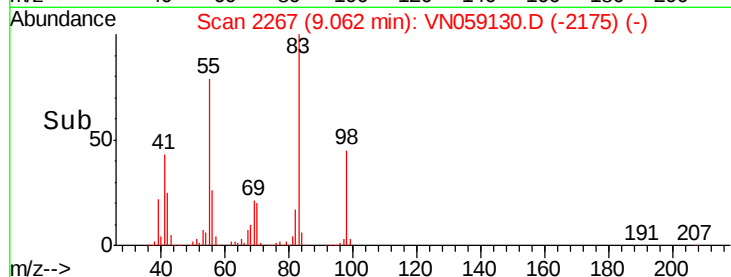
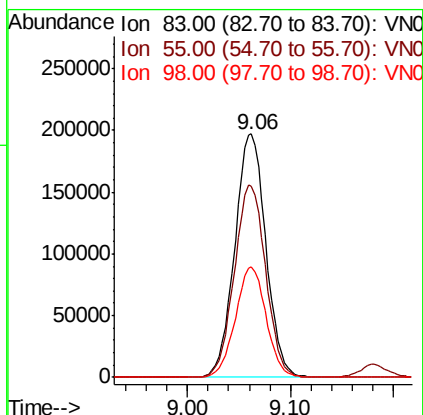
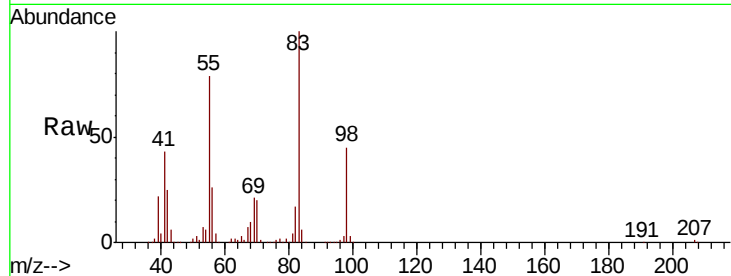




#39
Methvlcvclohexane
Concen: 47.613 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

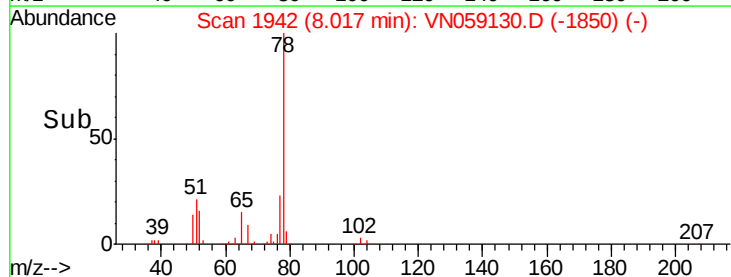
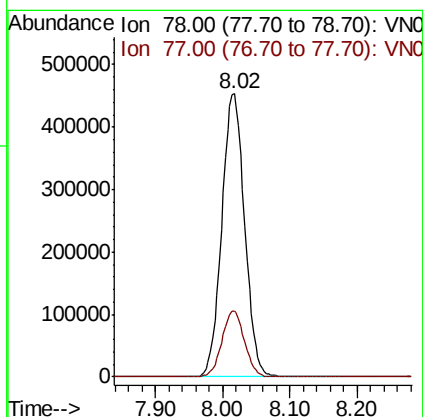
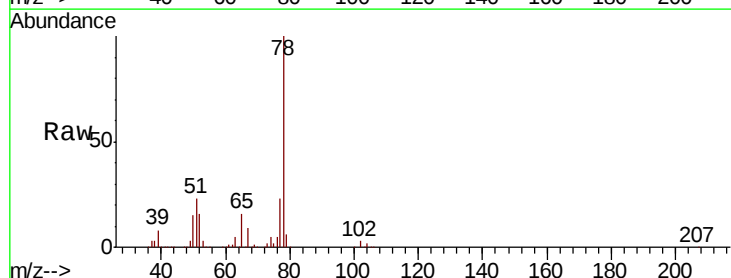
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

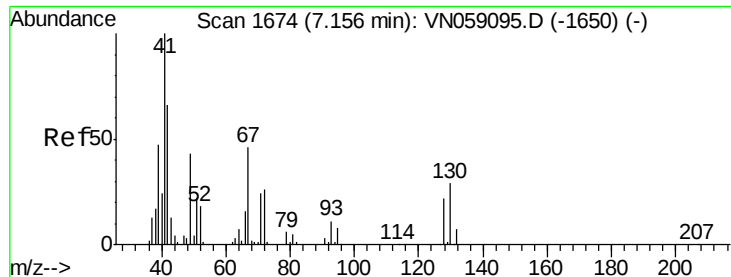
Tot Ion: 83 Resp: 413100
Ion Ratio Lower Upper
83 100
55 78.7 63.9 95.9
98 45.3 35.6 53.4



#40
Benzene
Concen: 47.687 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion: 78 Resp: 1073531
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

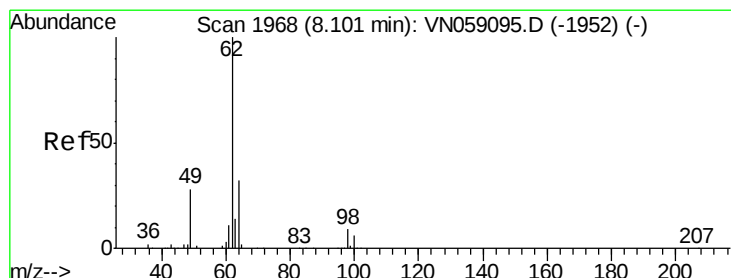
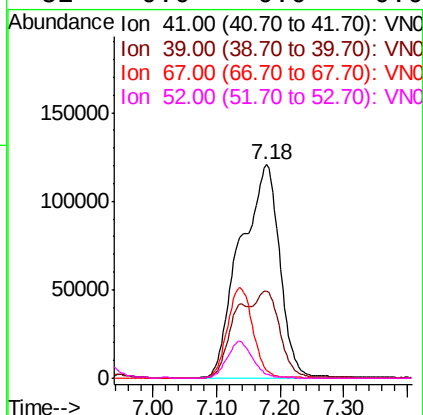
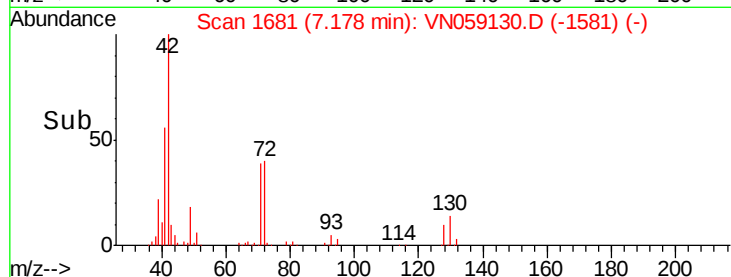
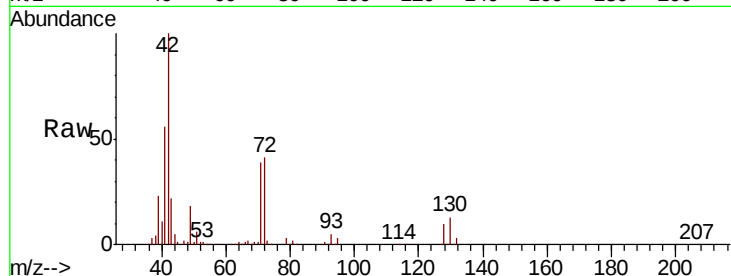




#41
Methacrylonitrile
Concen: 144.490 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.02 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

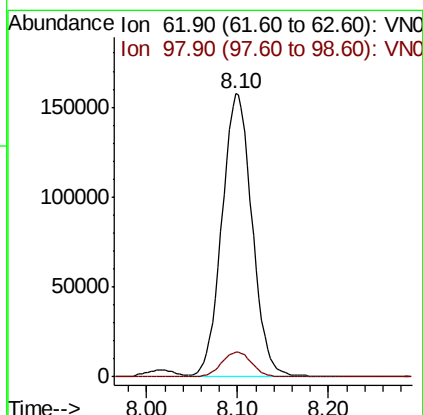
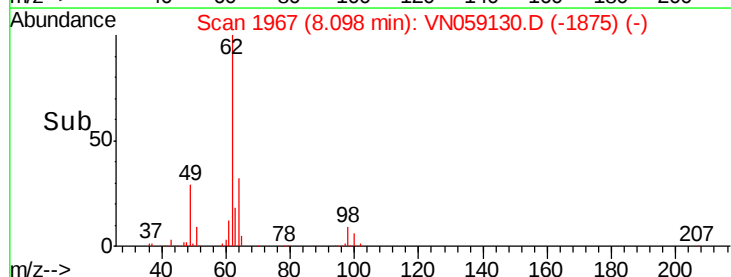
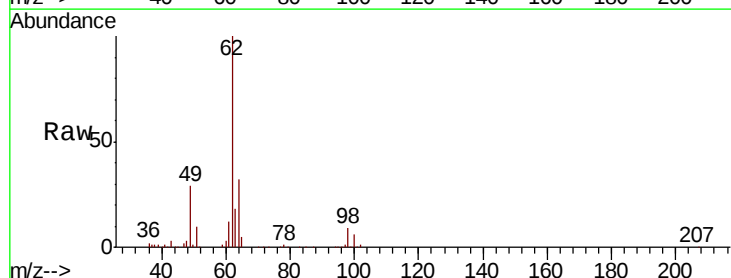
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

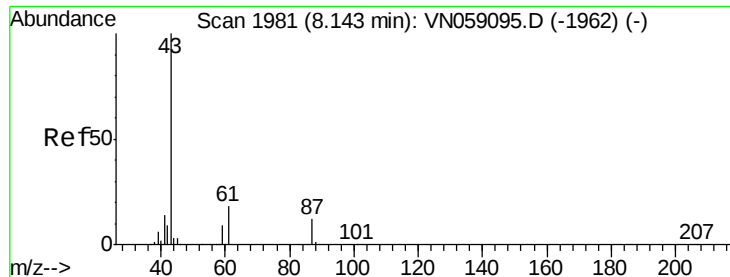
Tot Ion:	41	Resp:	522534
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 46.898 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion:	62	Resp:	362101
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8





#43

Isopropyl Acetate

Concen: 45.484 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

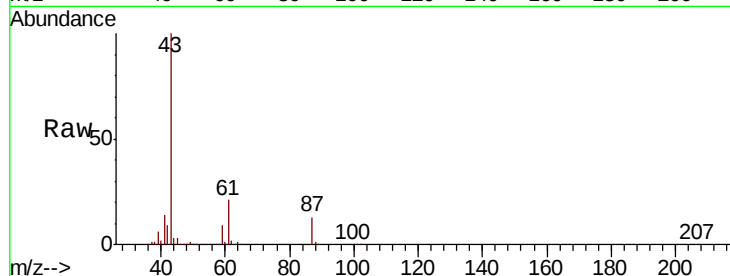
Tot Ion: 43 Resp: 603060

Ion Ratio Lower Upper

43 100

61 26.6 21.0 31.6

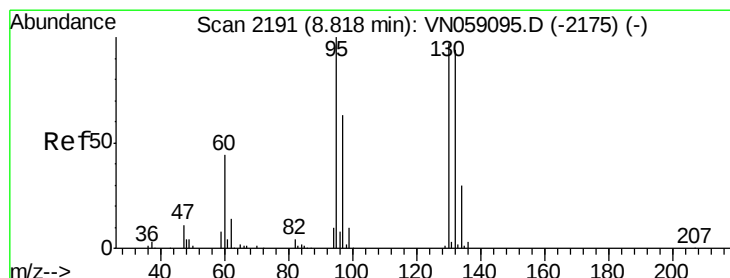
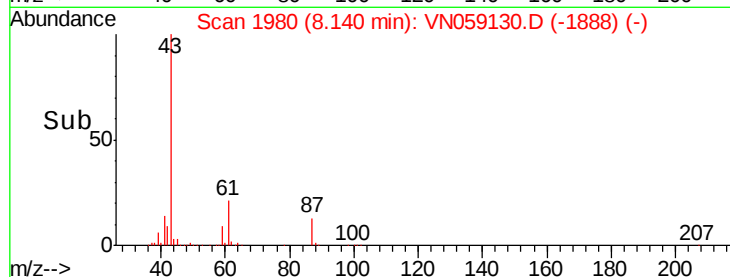
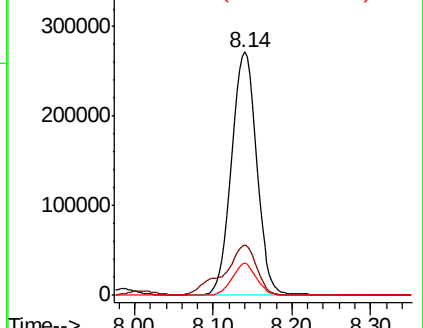
87 12.7 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059130.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN059130.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN059130.D (-1988) (-)



#44

Trichloroethene

Concen: 48.158 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN059130.D

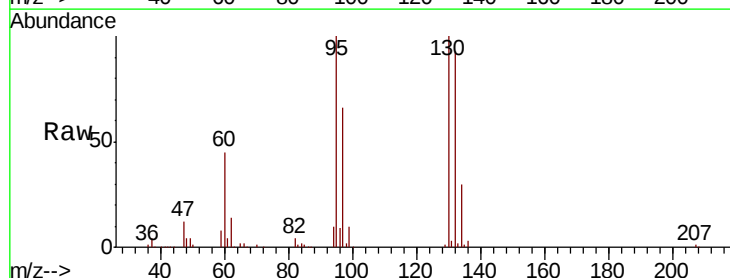
Acq: 8 Nov 2019 8:50

Tgt Ion: 130 Resp: 266500

Ion Ratio Lower Upper

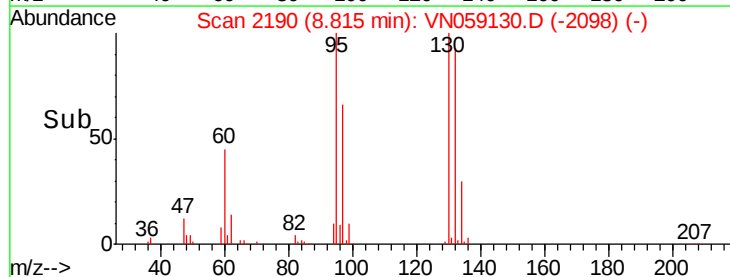
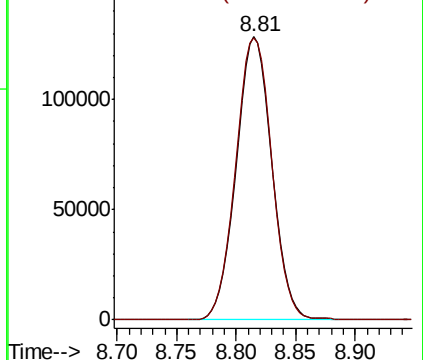
130 100

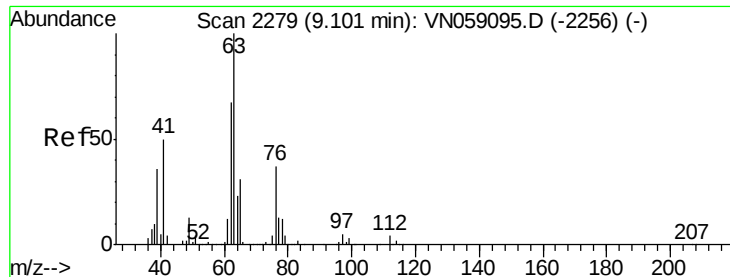
95 99.7 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059130.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059130.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 47.957 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

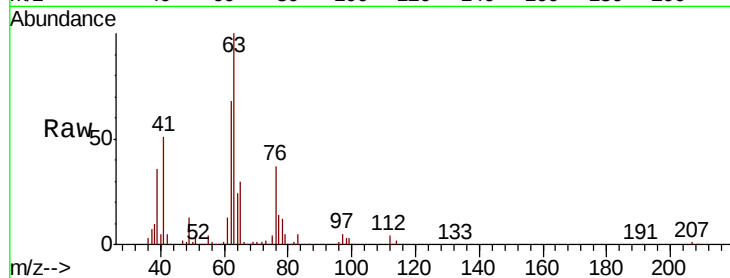
VSTDCCC050

Tot Ion: 63 Resp: 293239

Ion Ratio Lower Upper

63 100

65 30.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

150000

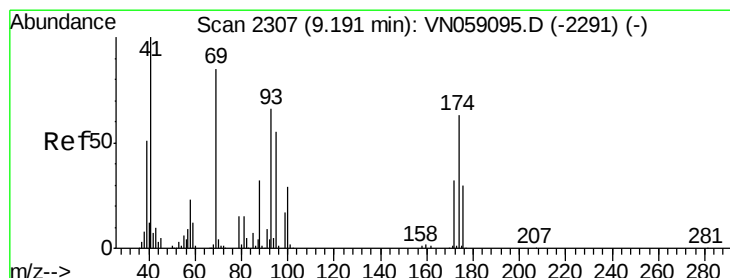
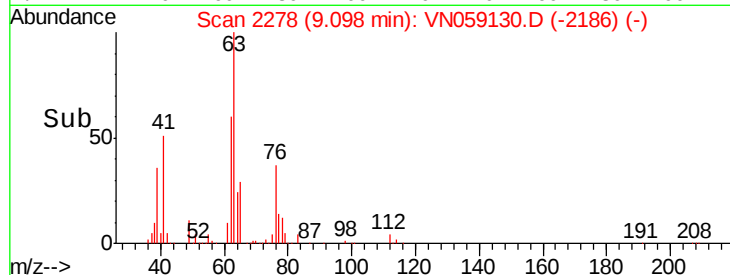
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 46.245 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

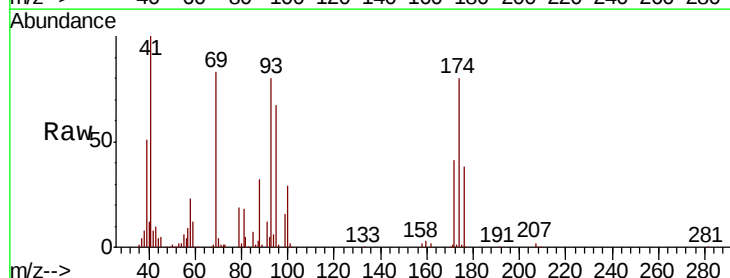
Tgt Ion: 93 Resp: 176209

Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

174 99.2 78.2 117.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

60000

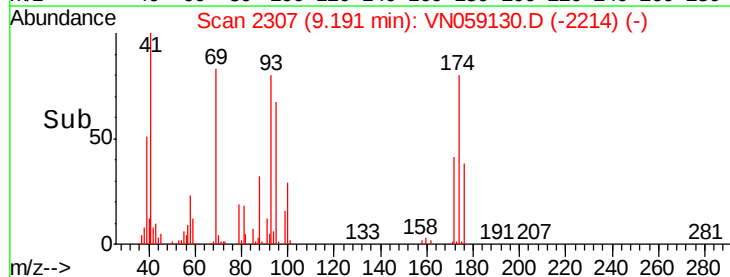
40000

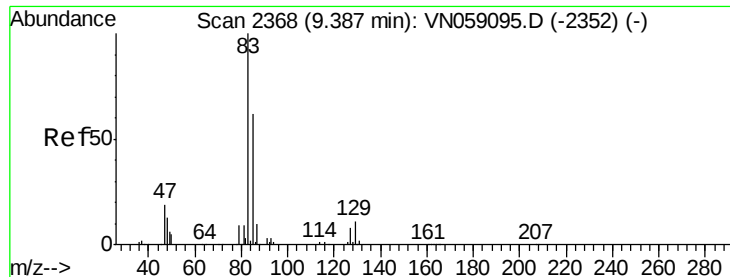
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 48.482 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

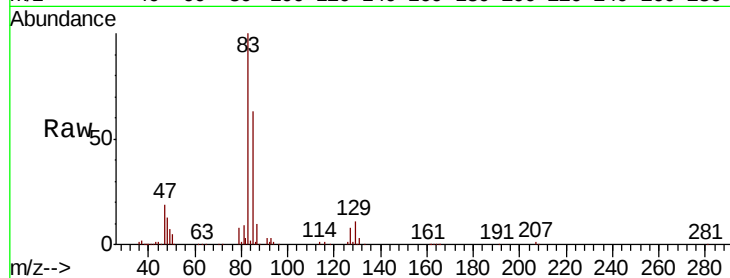
Tot Ion: 83 Resp: 368881

Ion Ratio Lower Upper

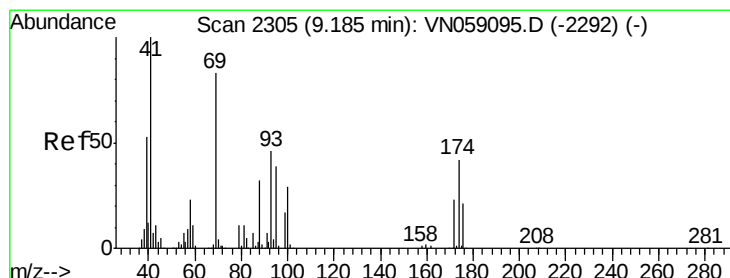
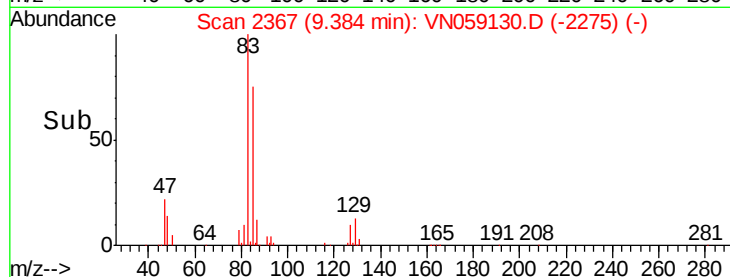
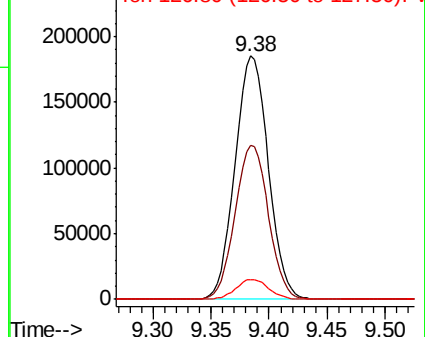
83 100

85 63.4 49.7 74.5

127 8.2 6.4 9.6



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



#48

Methyl methacrylate

Concen: 46.467 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

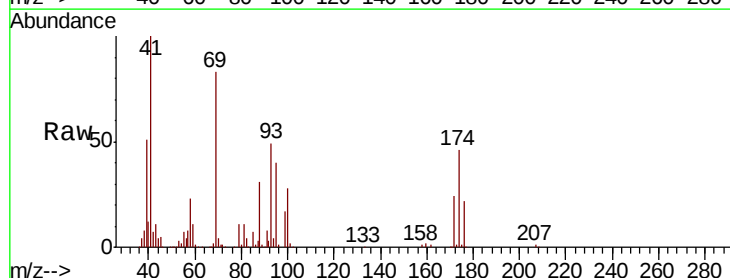
Tgt Ion: 41 Resp: 275577

Ion Ratio Lower Upper

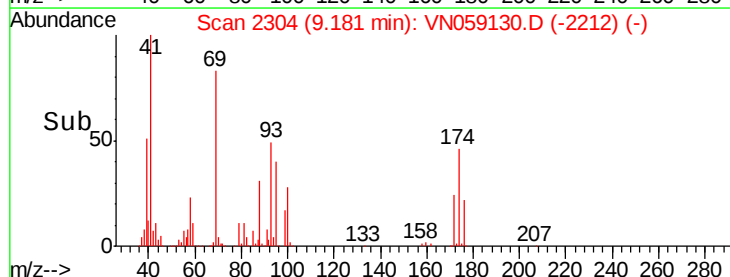
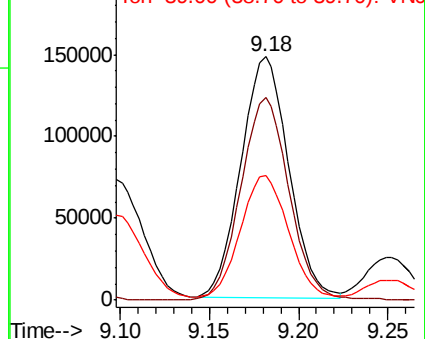
41 100

69 85.6 67.3 100.9

39 52.6 43.3 64.9



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





#49

1,4-Dioxane

Concen: 912.985 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

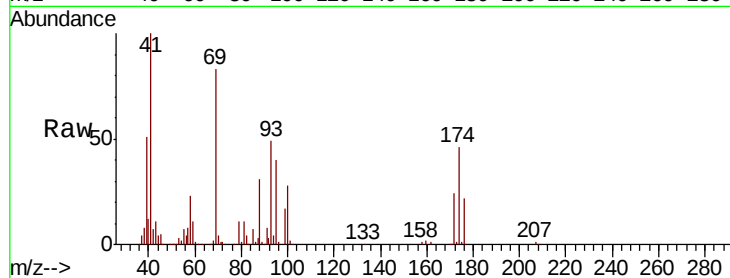
Tot Ion: 88 Resp: 96224

Ion Ratio Lower Upper

88 100

43 32.1 26.3 39.5

58 73.0 60.6 90.8

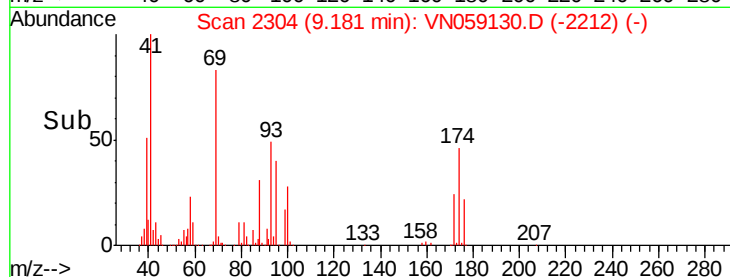


Abundance Ion 88.00 (87.70 to 88.70): VN059130.D (-2289) (-)

Ion 43.00 (42.70 to 43.70): VN059130.D (-2289) (-)

Ion 58.00 (57.70 to 58.70): VN059130.D (-2289) (-)

Time-->

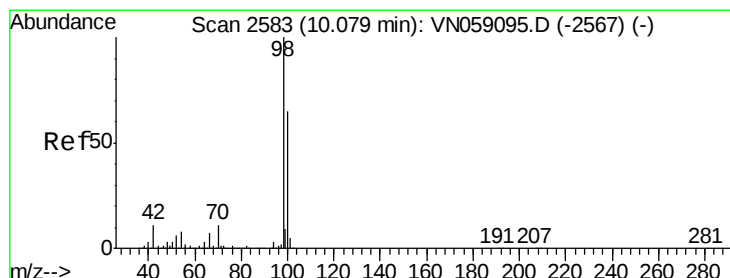


Abundance Ion 88.00 (87.70 to 88.70): VN059130.D (-2289) (-)

Ion 43.00 (42.70 to 43.70): VN059130.D (-2289) (-)

Ion 58.00 (57.70 to 58.70): VN059130.D (-2289) (-)

Time-->



#50

Toluene-d8

Concen: 50.799 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059130.D

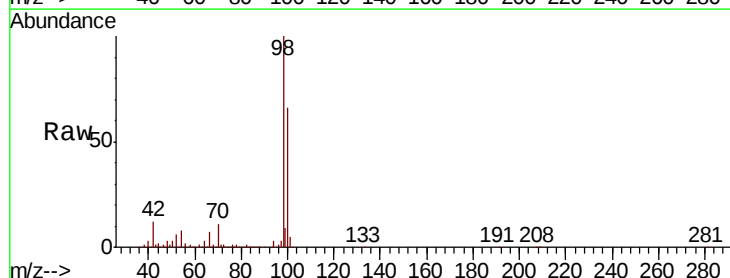
Acq: 8 Nov 2019 8:50

Tgt Ion: 98 Resp: 955550

Ion Ratio Lower Upper

98 100

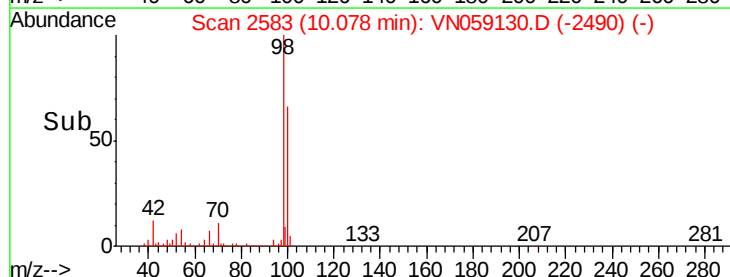
100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059130.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059130.D (-2490) (-)

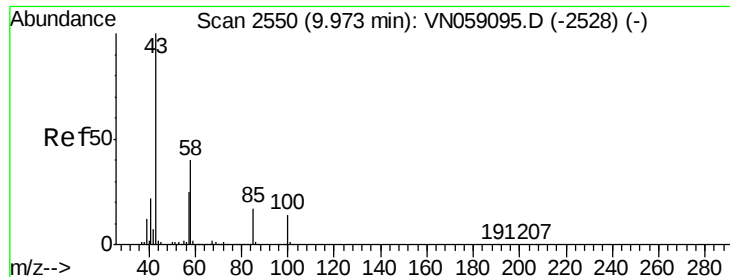
Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN059130.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059130.D (-2490) (-)

Time-->



#51

4-Methyl-2-Pentanone

Concen: 244.163 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

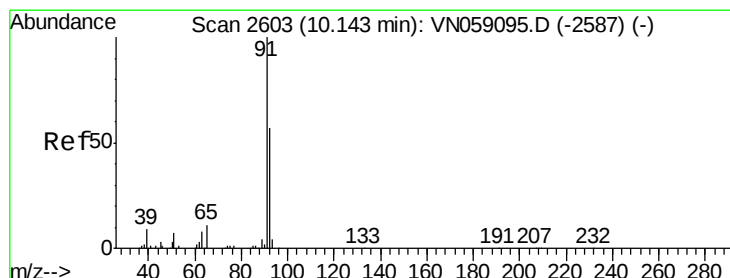
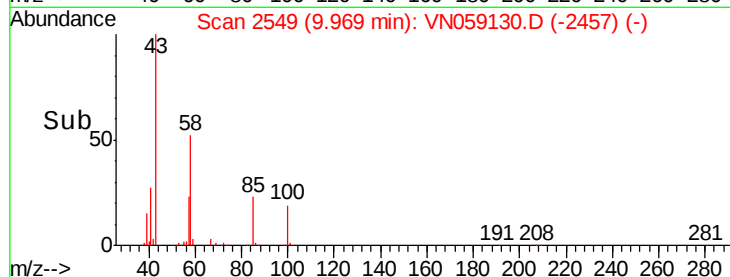
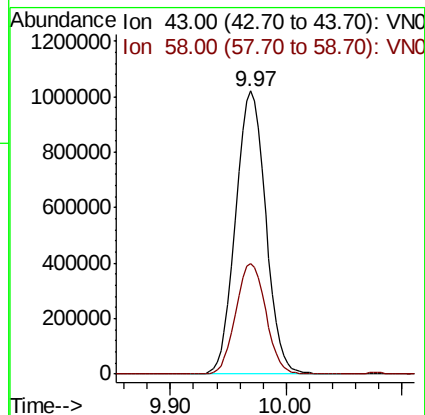
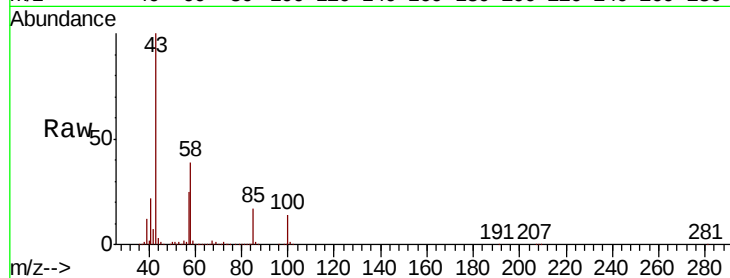
VSTDCCC050

Tot Ion: 43 Resp: 1831734

Ion Ratio Lower Upper

43 100

58 39.2 31.5 47.3



#52

Toluene

Concen: 48.582 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059130.D

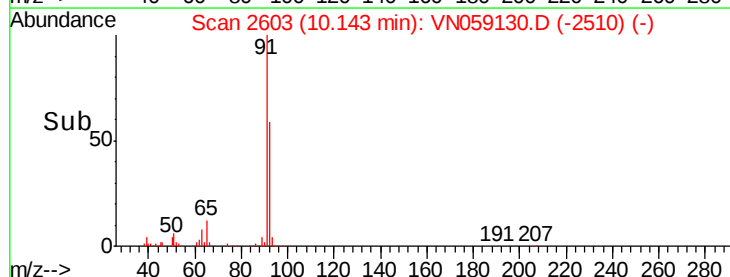
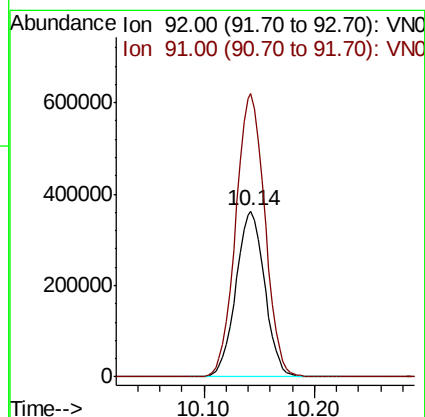
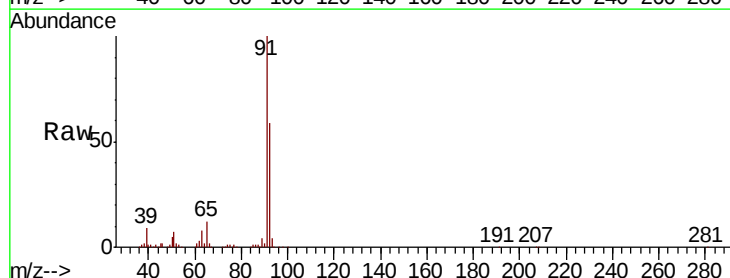
Acq: 8 Nov 2019 8:50

Tgt Ion: 92 Resp: 655516

Ion Ratio Lower Upper

92 100

91 172.9 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 48.365 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

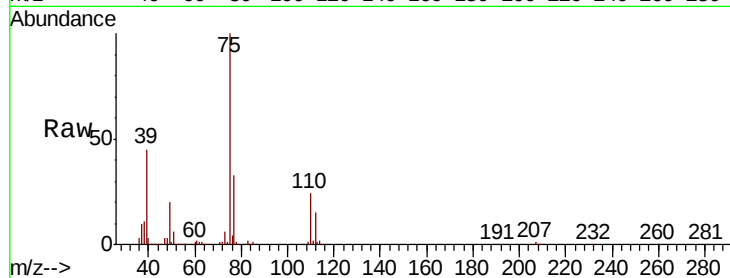
VSTDCCC050

Tot Ion: 75 Resp: 425153

Ion Ratio Lower Upper

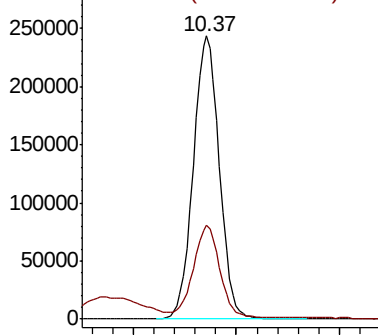
75 100

77 32.5 25.3 37.9

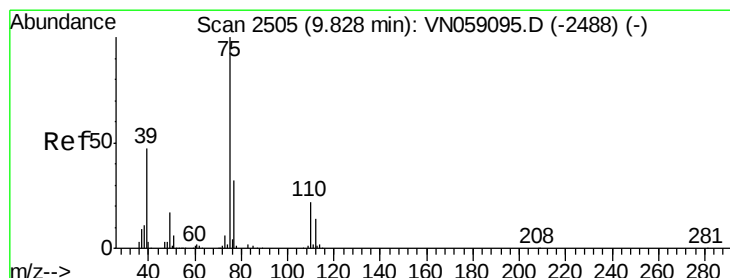
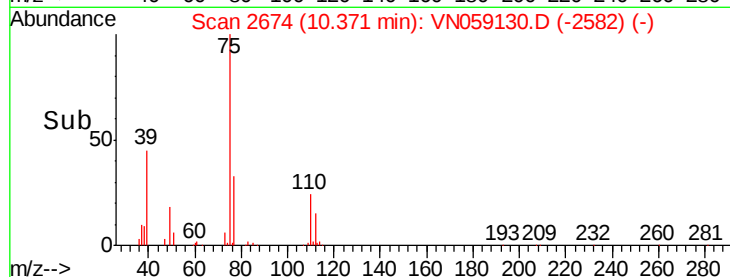


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.125 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

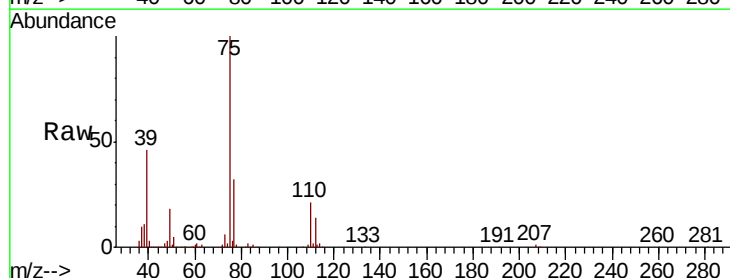
Tgt Ion: 75 Resp: 464509

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

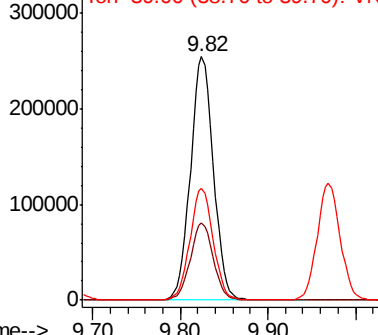
39 45.9 37.3 55.9



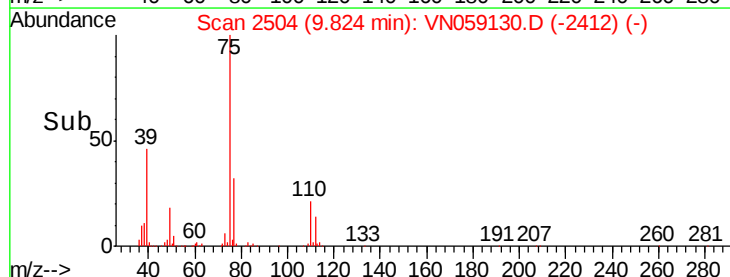
Abundance Ion 74.90 (74.60 to 75.60): VN0

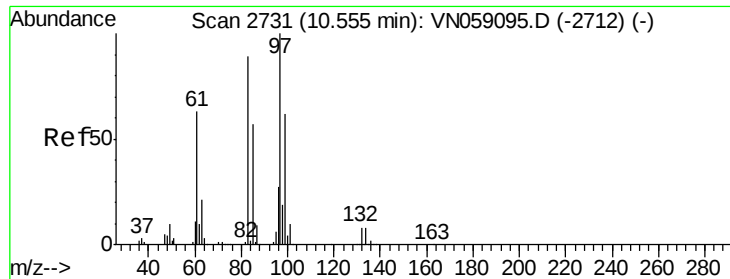
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



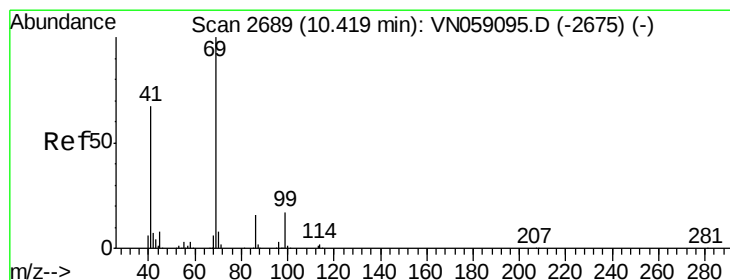
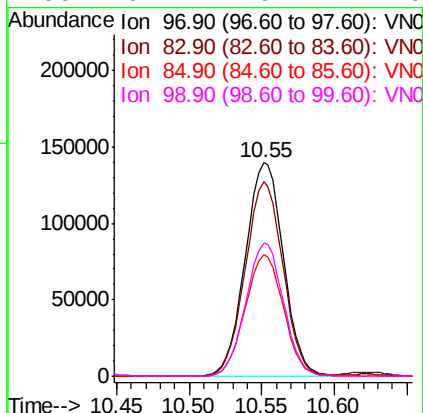
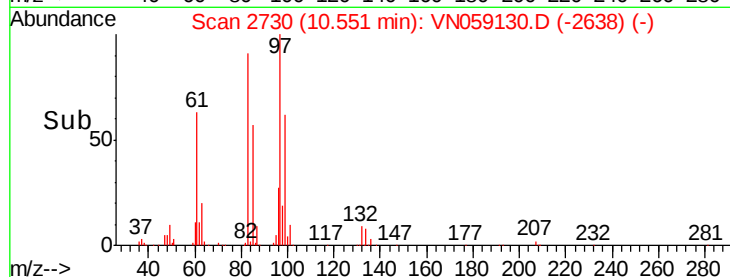
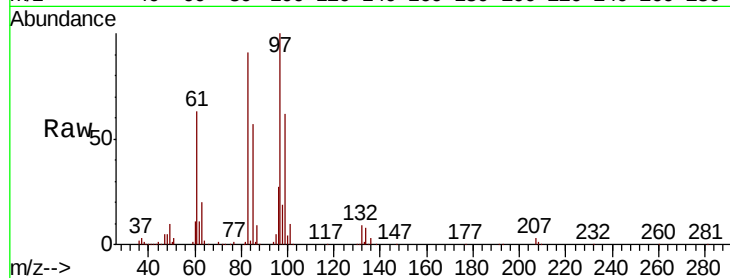


#55
 1,1,2-Trichloroethane
 Concen: 47.000 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 256657

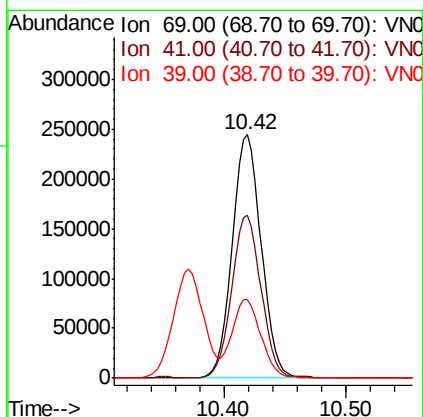
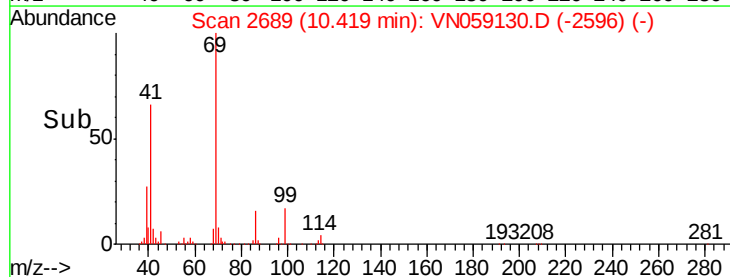
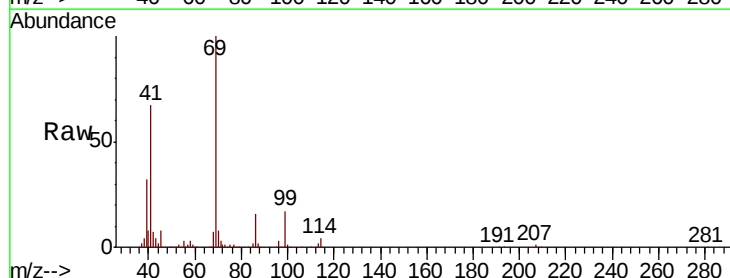
Ion	Ratio	Lower	Upper
97	100		
83	91.3	71.0	106.4
85	56.8	45.8	68.8
99	62.2	49.4	74.0

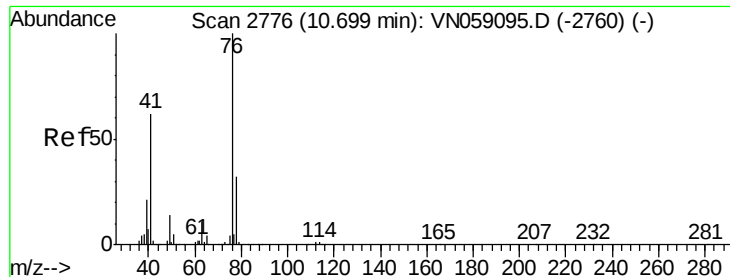


#56
 Ethyl methacrylate
 Concen: 44.750 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion: 69 Resp: 405719

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.6	80.4
39	31.6	26.2	39.4





#57

1,3-Dichloropropane

Concen: 47.981 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

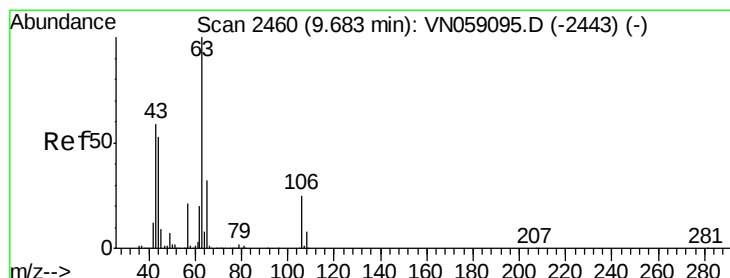
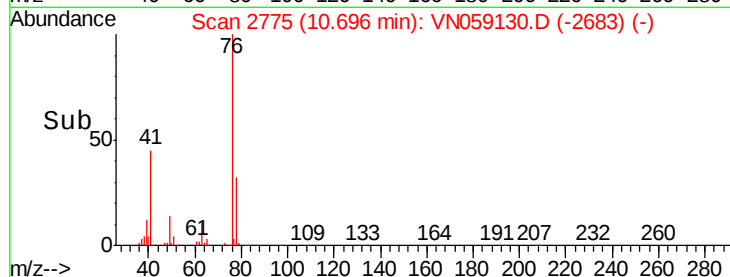
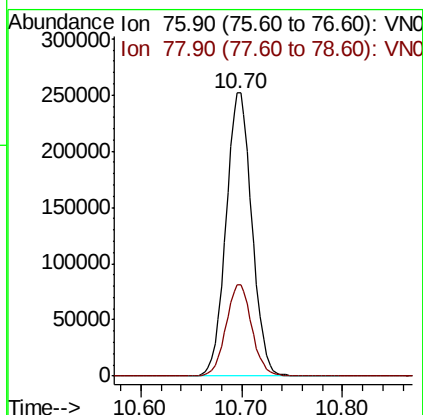
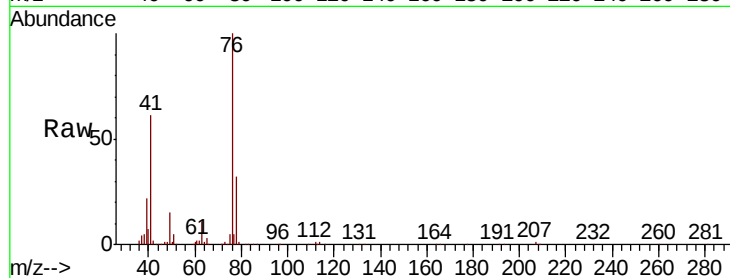
VSTDCCC050

Tot Ion: 76 Resp: 450957

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 256.205 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059130.D

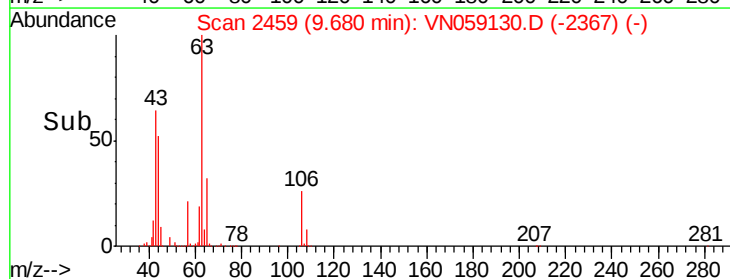
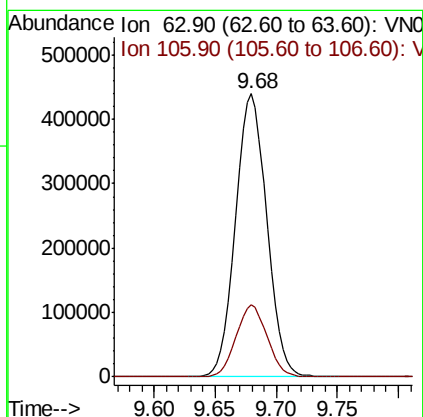
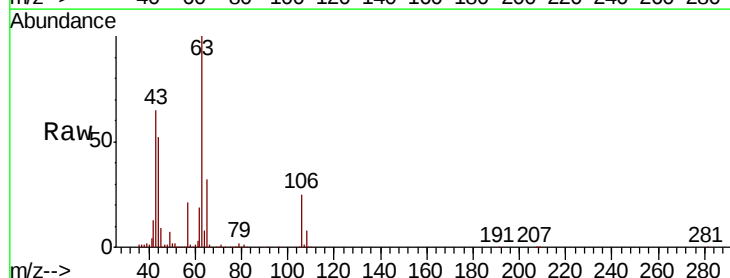
Acq: 8 Nov 2019 8:50

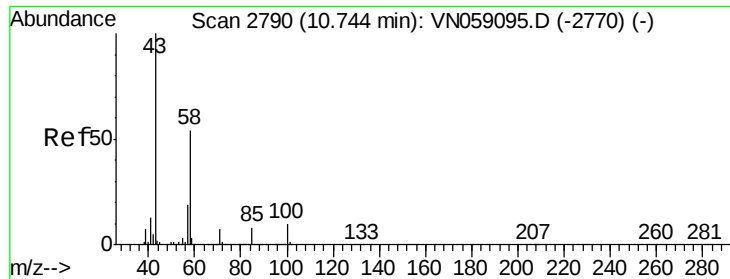
Tgt Ion: 63 Resp: 778623

Ion Ratio Lower Upper

63 100

106 25.2 20.2 30.2

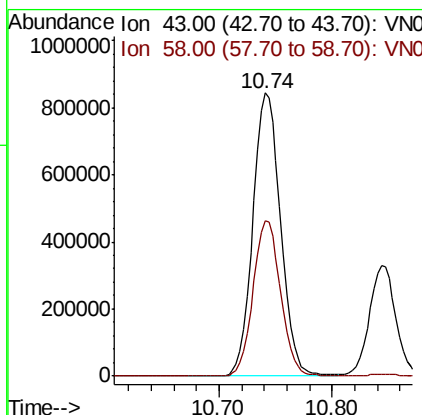
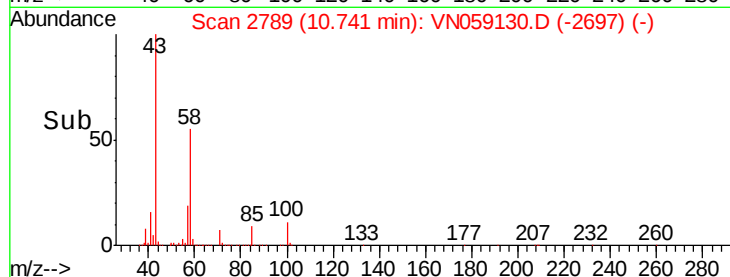
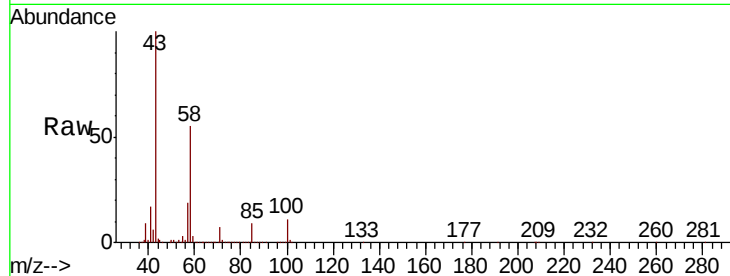




#59
2-Hexanone
Concen: 249.459 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

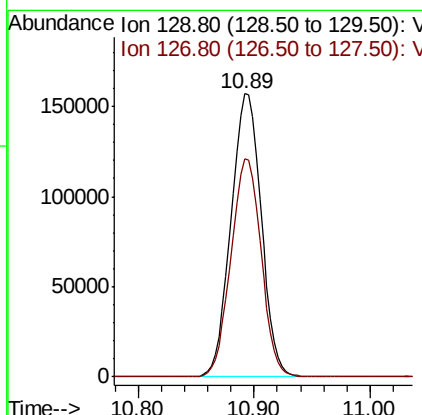
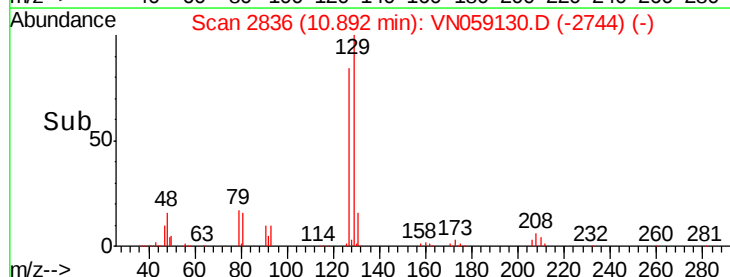
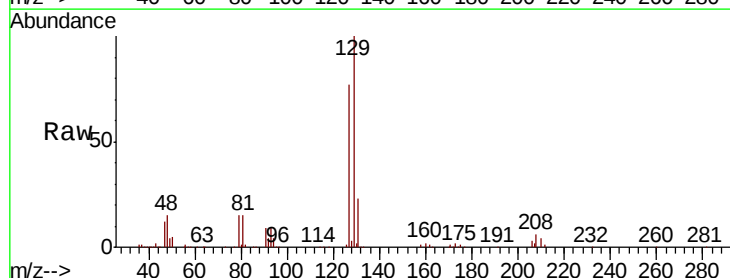
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

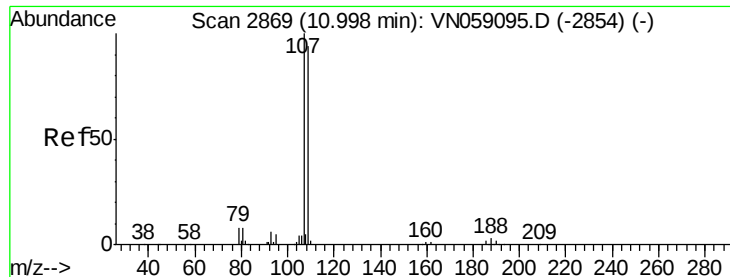
Tot Ion: 43 Resp: 1436438
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8



#60
Dibromochloromethane
Concen: 49.002 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion: 129 Resp: 282922
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8

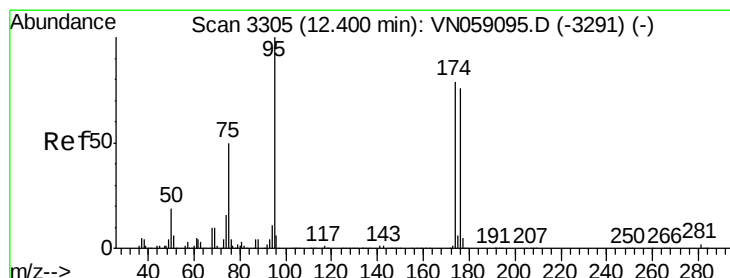
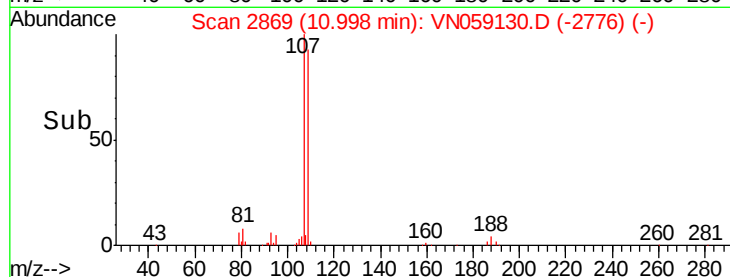
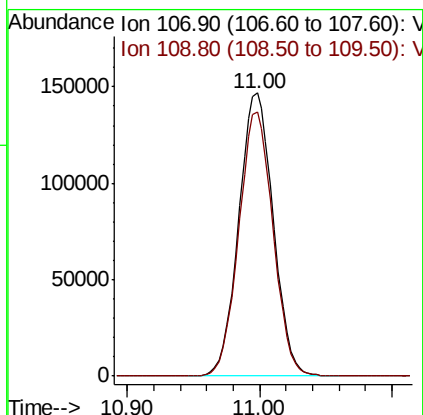
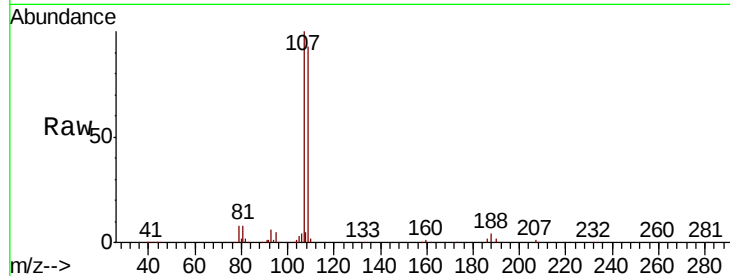




#61
 1,2-Dibromoethane
 Concen: 47.883 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

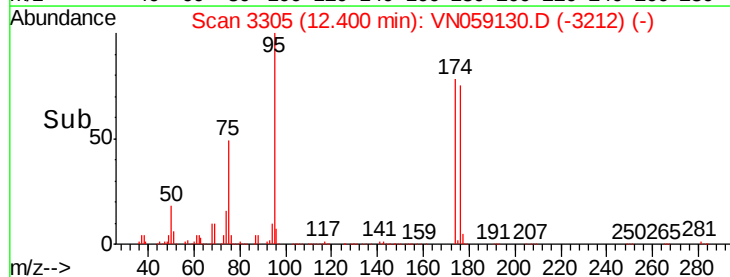
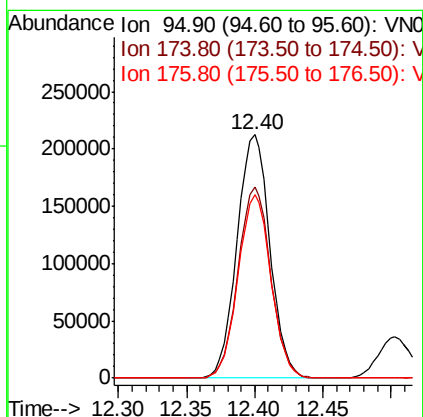
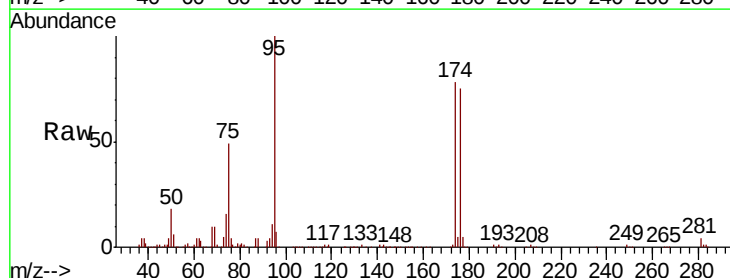
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

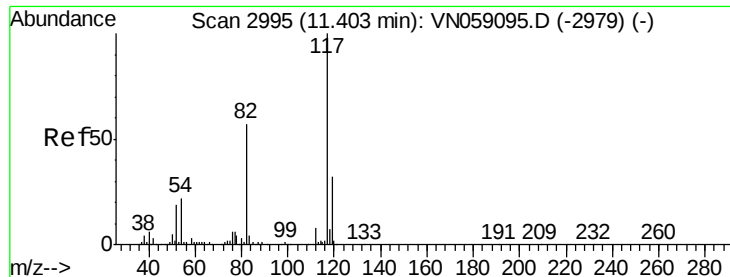
Tot Ion: 107 Resp: 264698
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 52.419 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion: 95 Resp: 355523
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 158.2
 176 75.4 0.0 151.8

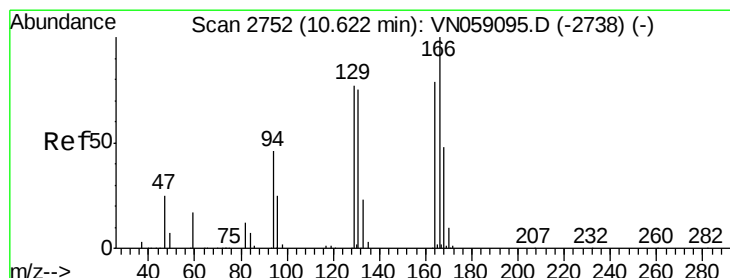
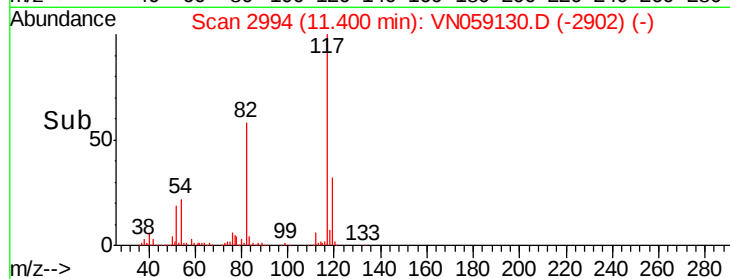
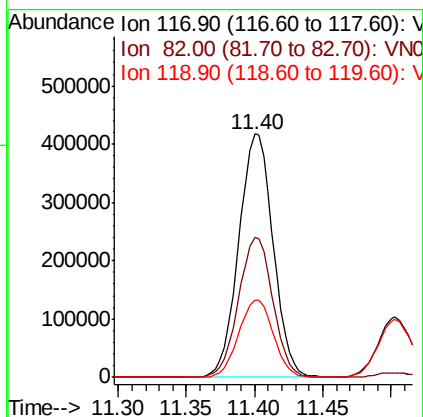
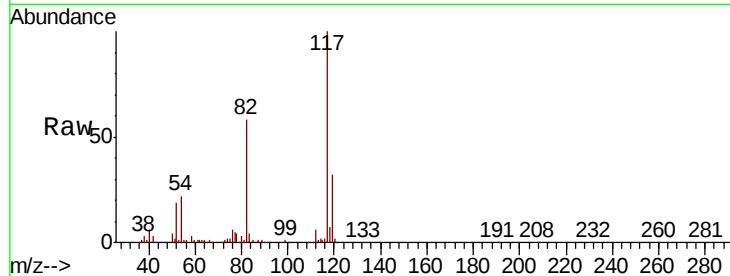




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

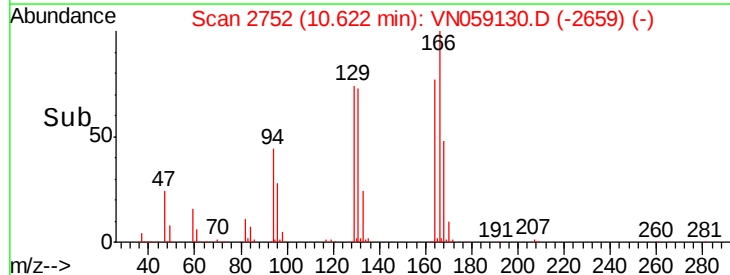
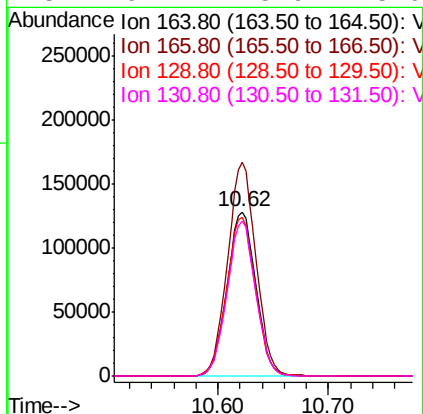
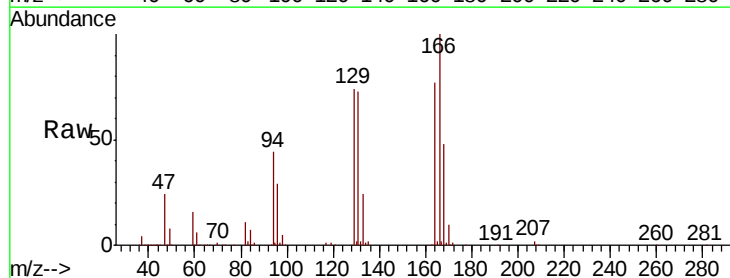
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

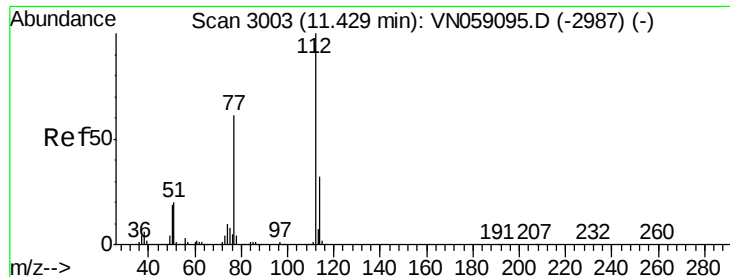
Tot Ion:117 Resp: 729971
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.8
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 46.788 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion:164 Resp: 232239
Ion Ratio Lower Upper
164 100
166 130.2 101.5 152.3
129 96.4 78.3 117.5
131 94.4 75.9 113.9





#65

Chlorobenzene

Concen: 48.389 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

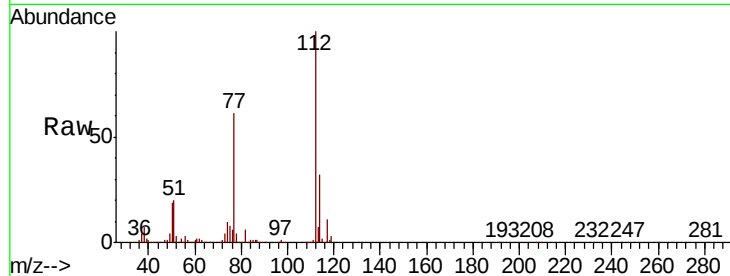
VSTDCCC050

Tot Ion:112 Resp: 688573

Ion Ratio Lower Upper

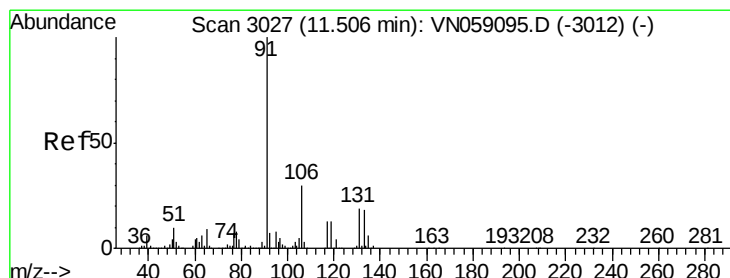
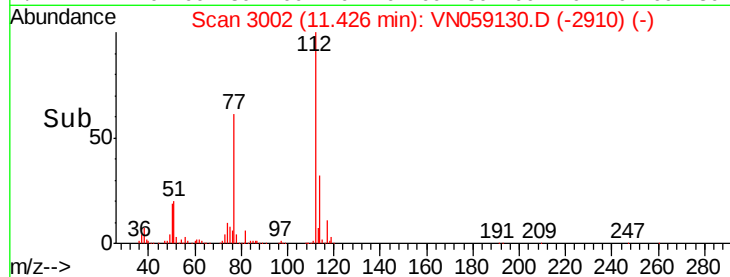
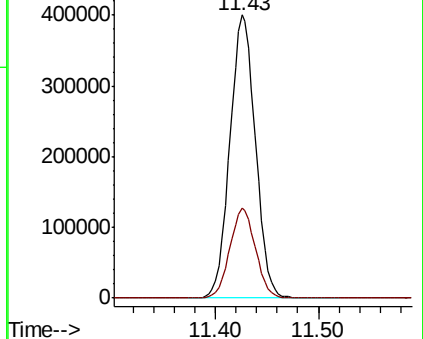
112 100

114 31.6 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.604 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

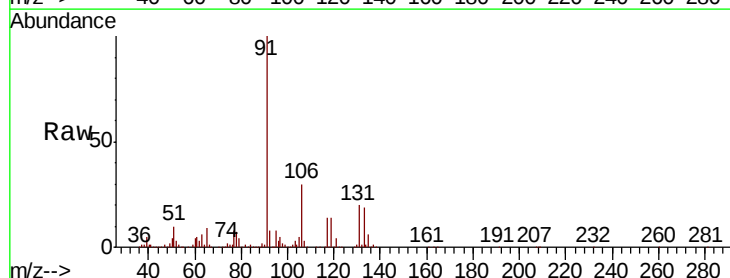
Tgt Ion:131 Resp: 259450

Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.3

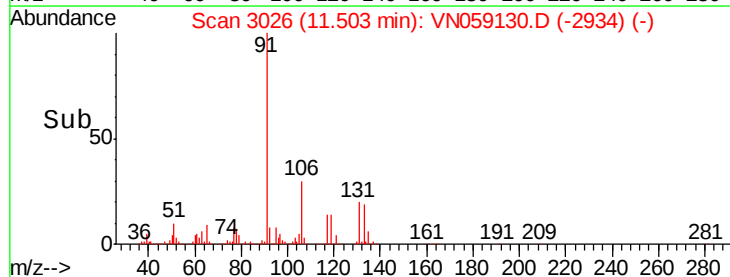
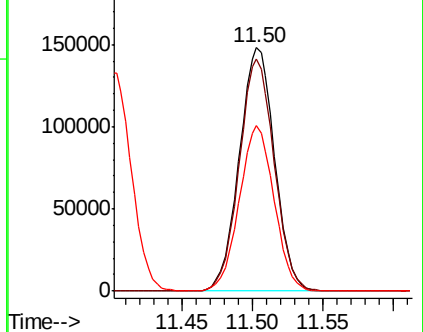
119 66.6 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

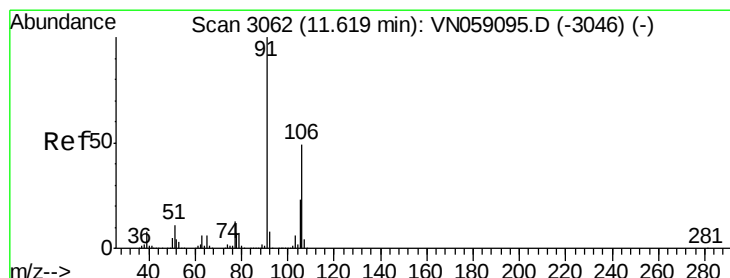
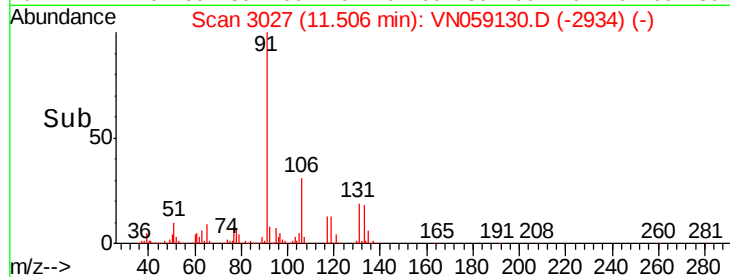
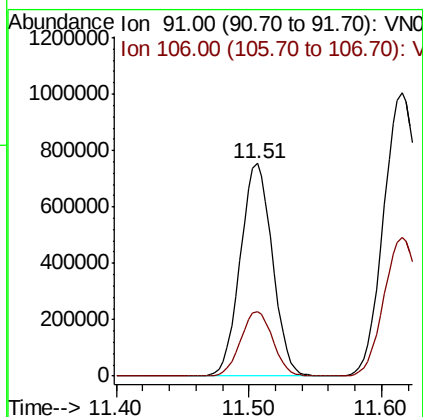
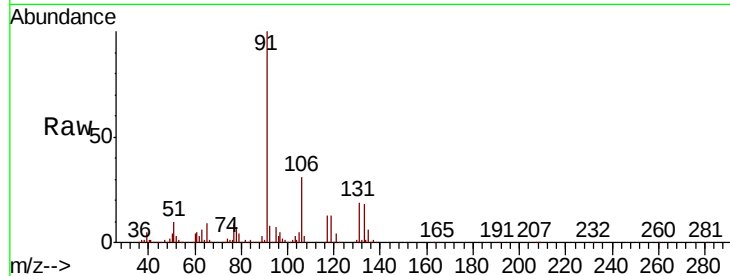




#67
Ethyl Benzene
Concen: 50.185 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

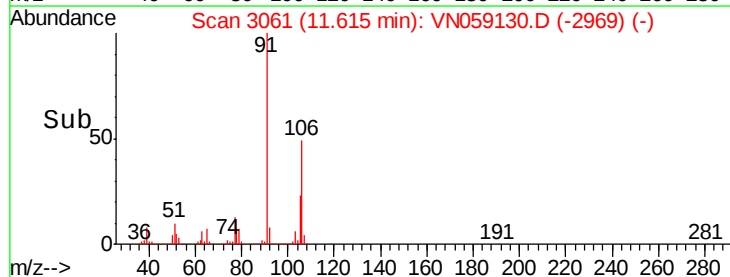
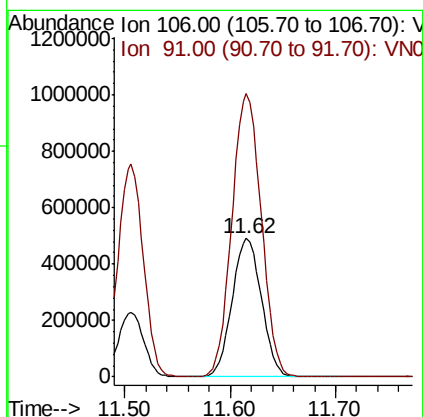
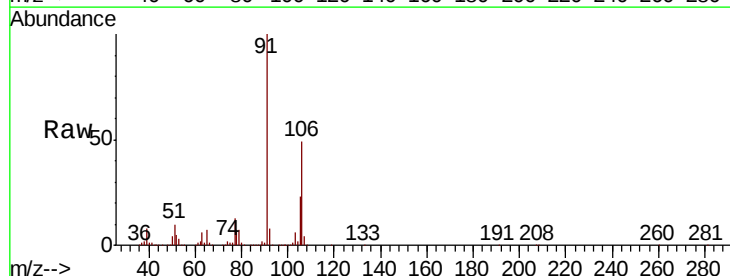
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

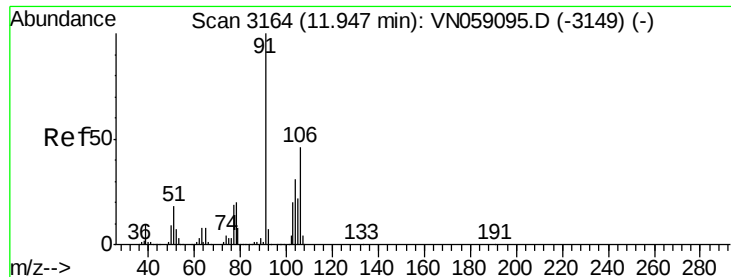
Tot Ion: 91 Resp: 1267022
Ion Ratio Lower Upper
91 100
106 30.7 24.1 36.1



#68
m/p-Xylenes
Concen: 99.736 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion: 106 Resp: 943238
Ion Ratio Lower Upper
106 100
91 205.6 164.7 247.1

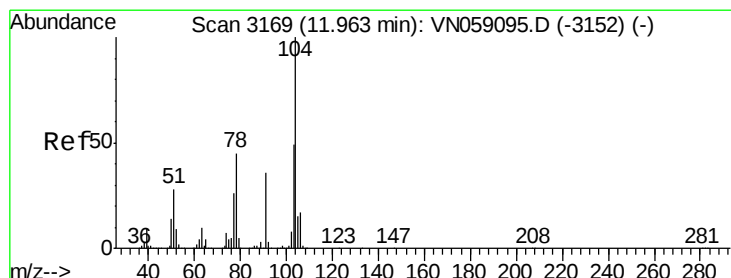
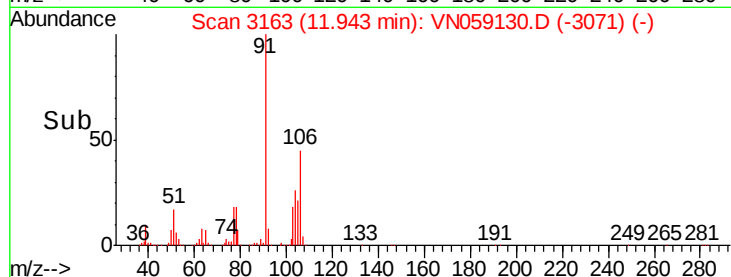
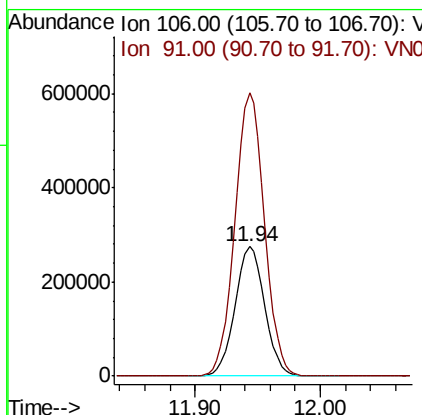
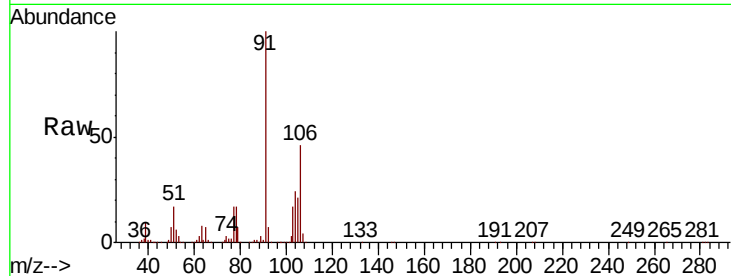




#69
o-Xylene
Concen: 49.196 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

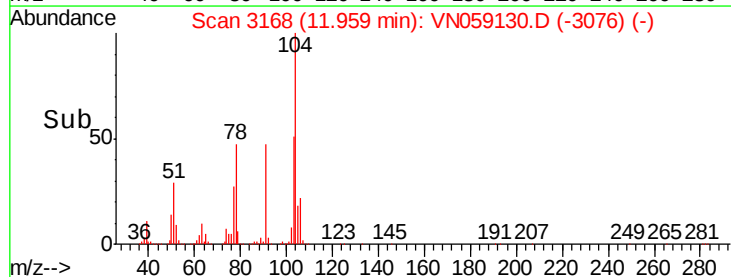
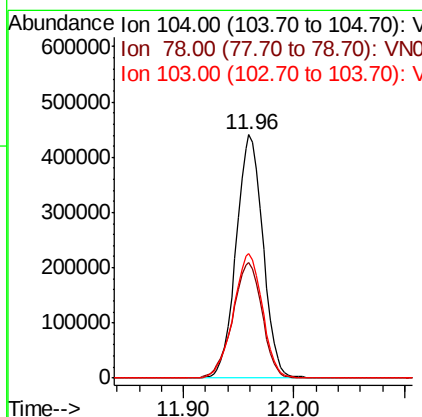
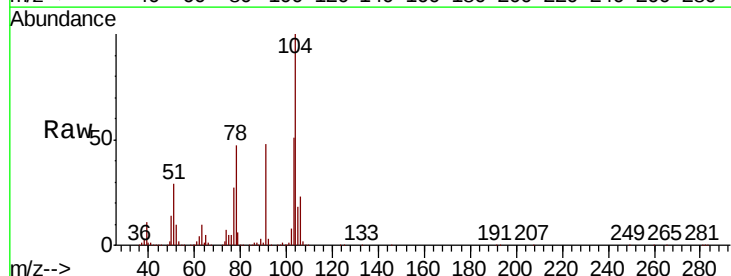
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

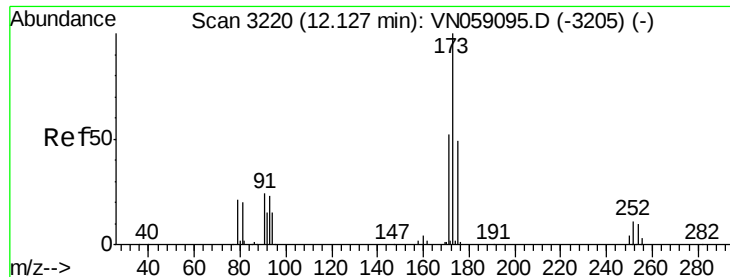
Tot Ion:106 Resp: 449627
Ion Ratio Lower Upper
106 100
91 218.5 110.1 330.3



#70
Styrene
Concen: 51.712 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion:104 Resp: 743312
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 55.4 43.8 65.6





#71

Bromoform

Concen: 48.449 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

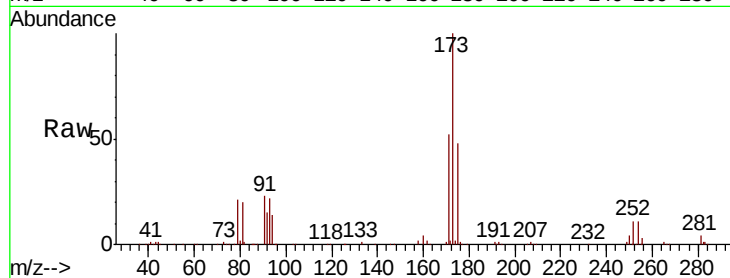
Tot Ion:173 Resp: 201164

Ion Ratio Lower Upper

173 100

175 48.4 24.2 72.6

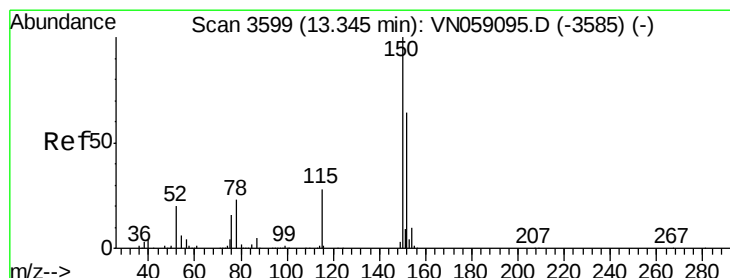
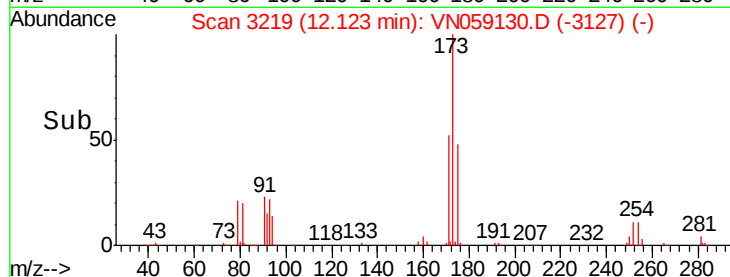
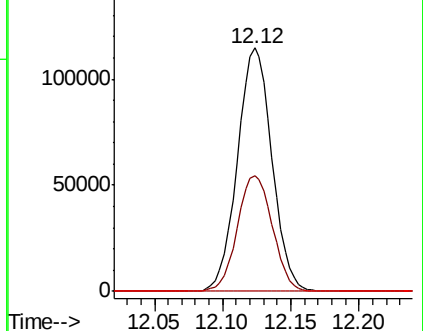
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

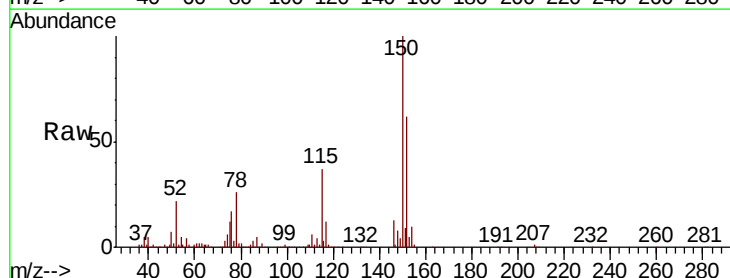
Tgt Ion:152 Resp: 348489

Ion Ratio Lower Upper

152 100

115 60.1 29.4 88.2

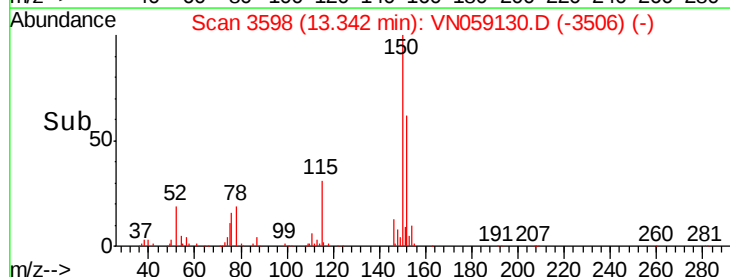
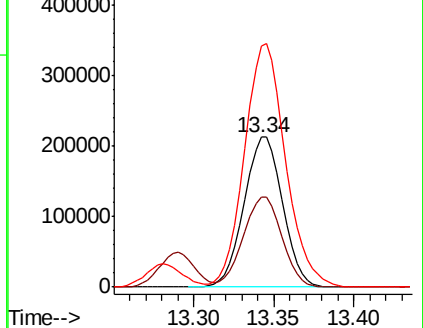
150 173.3 0.0 345.8

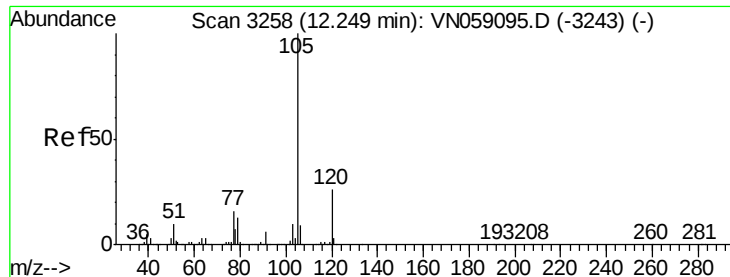


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.314 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

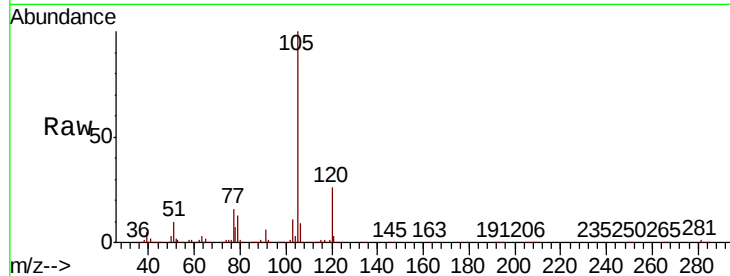
VSTDCCC050

Tot Ion:105 Resp: 1224720

Ion Ratio Lower Upper

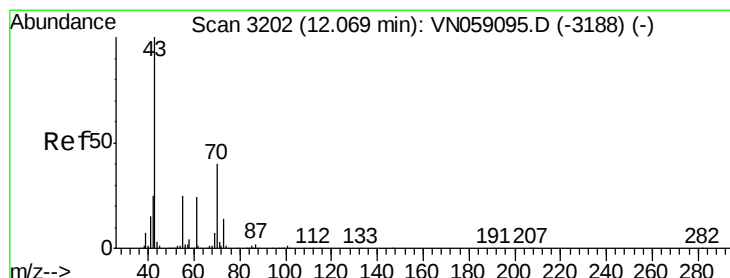
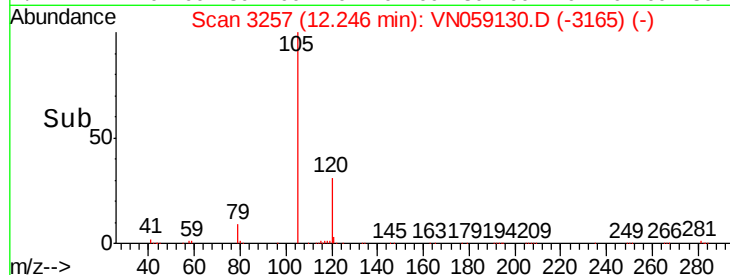
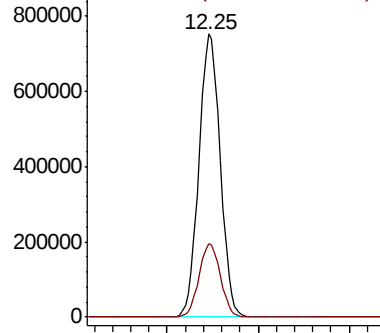
105 100

120 26.1 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.955 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Tgt Ion: 43 Resp: 515104

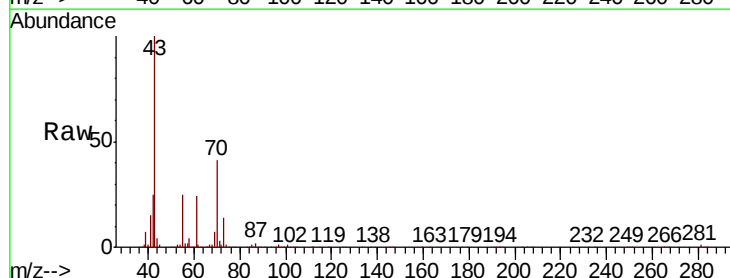
Ion Ratio Lower Upper

43 100

70 41.3 32.2 48.4

55 25.6 20.4 30.6

61 24.2 19.3 28.9

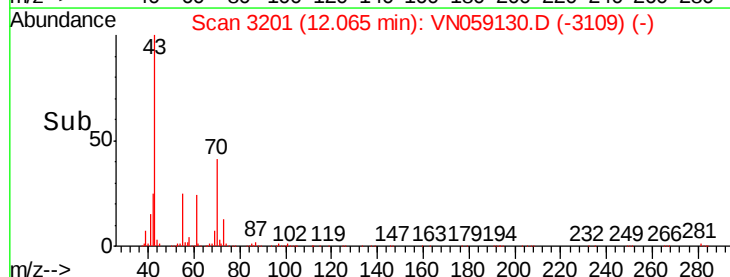
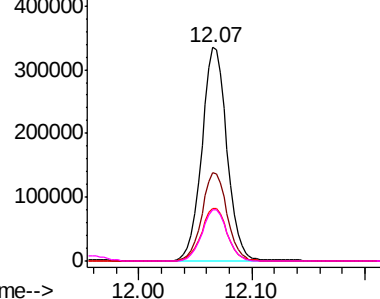


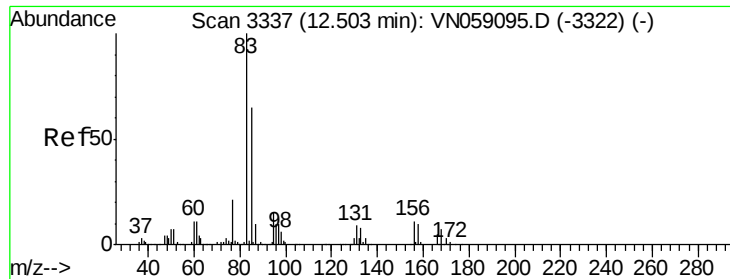
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.315 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

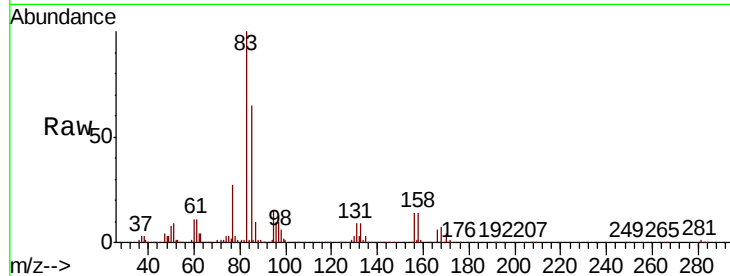
Tot Ion: 83 Resp: 391190

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

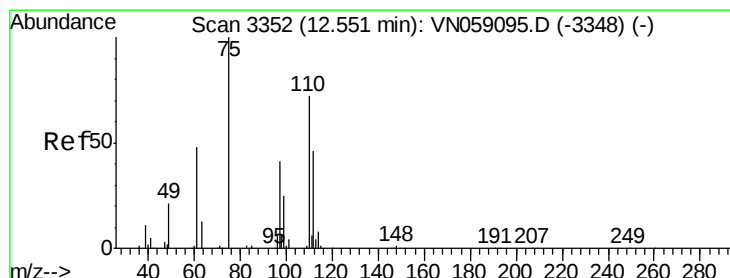
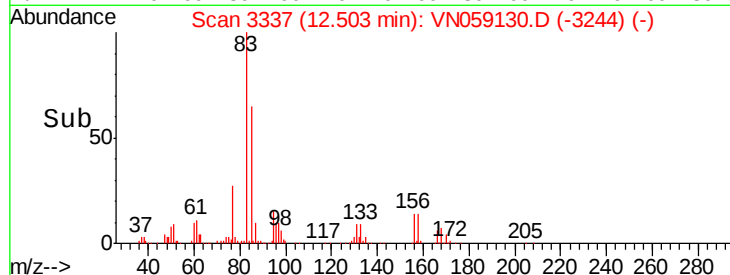
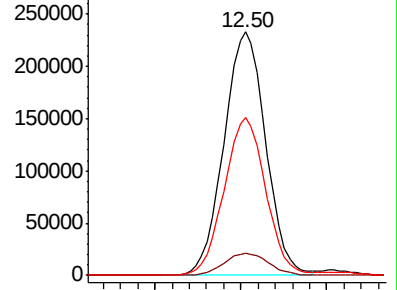
85 64.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059130.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059130.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059130.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 65.353 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059130.D

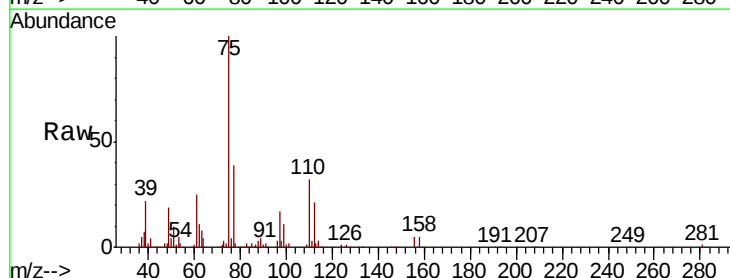
Acq: 8 Nov 2019 8:50

Tgt Ion: 75 Resp: 518510

Ion Ratio Lower Upper

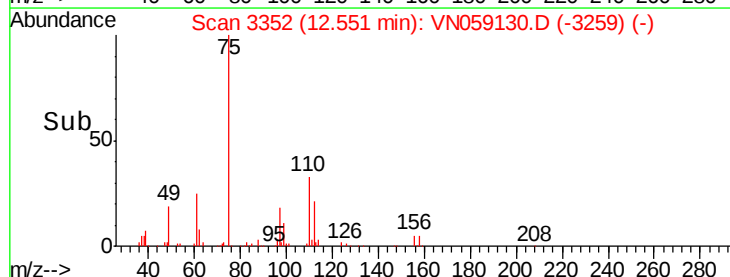
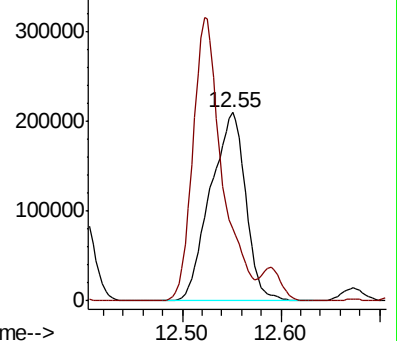
75 100

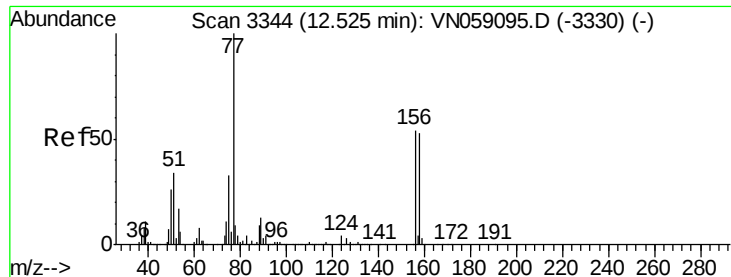
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059130.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059130.D (-3259) (-)





#77

Bromobenzene

Concen: 46.430 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

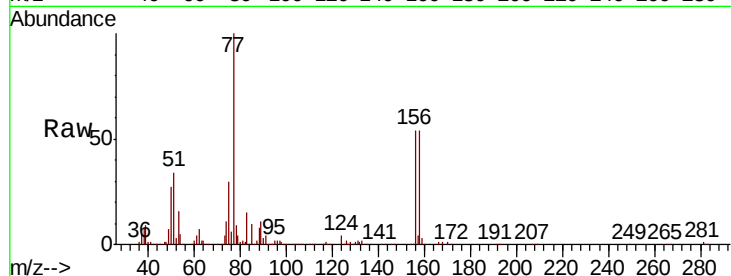
Tot Ion:156 Resp: 295705

Ion Ratio Lower Upper

156 100

77 221.1 112.8 338.3

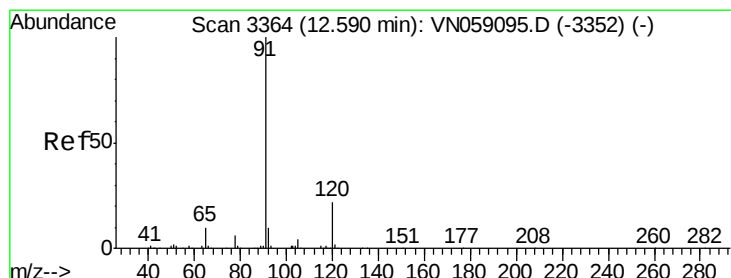
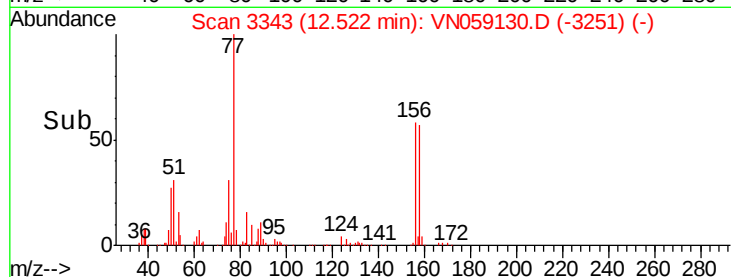
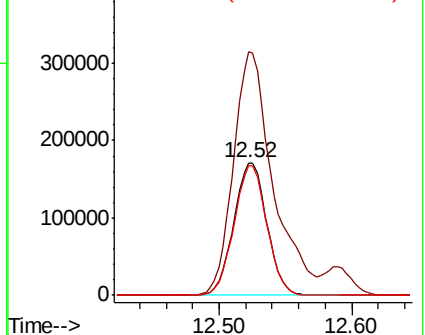
158 97.2 48.4 145.3



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: 49.656 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059130.D

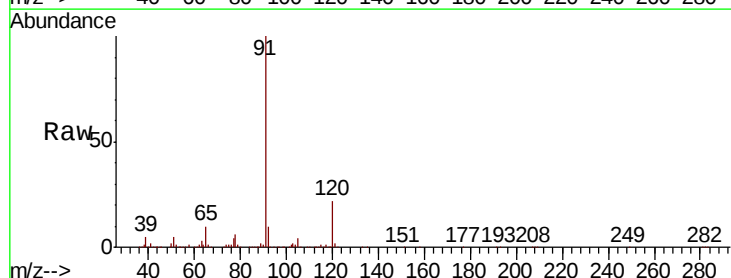
Acq: 8 Nov 2019 8:50

Tgt Ion: 91 Resp: 1441267

Ion Ratio Lower Upper

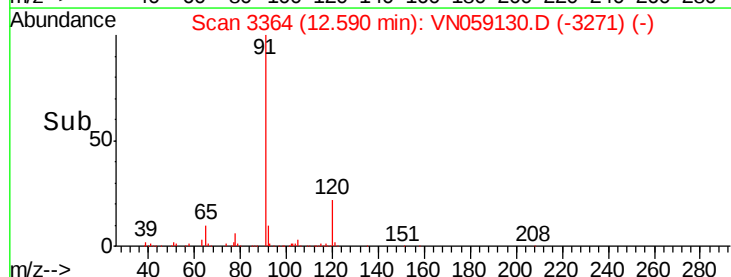
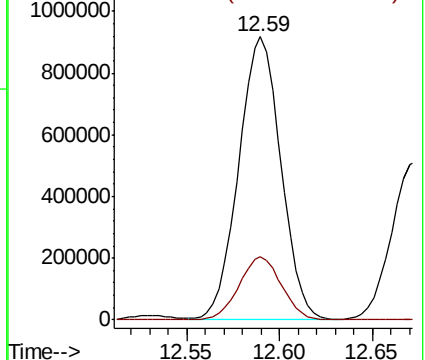
91 100

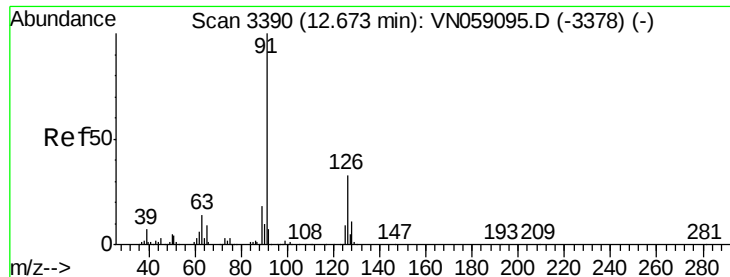
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.046 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

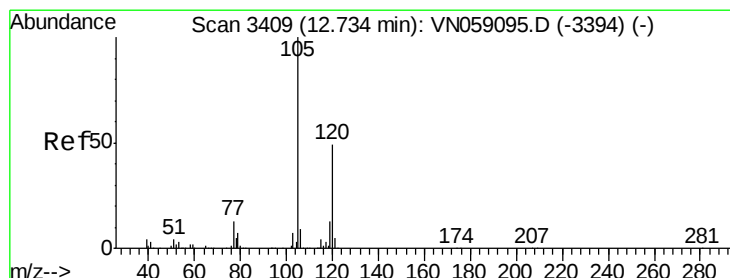
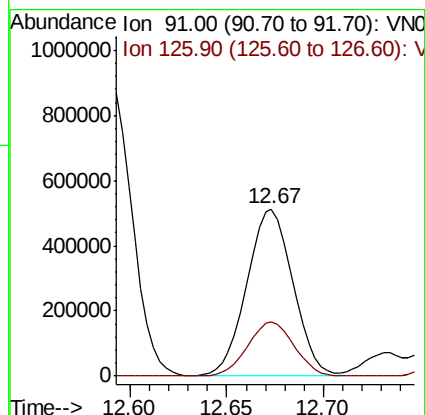
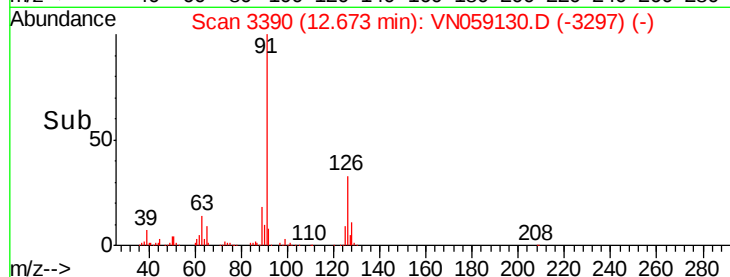
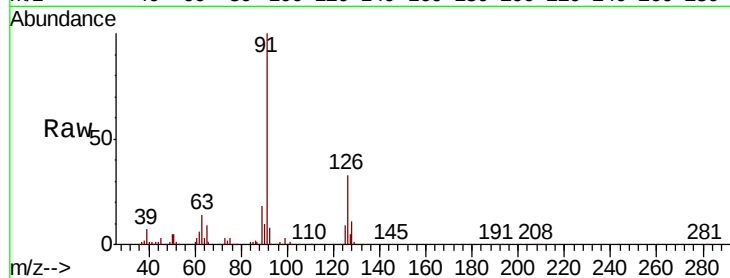
VSTDCCC050

Tot Ion: 91 Resp: 847087

Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 48.445 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059130.D

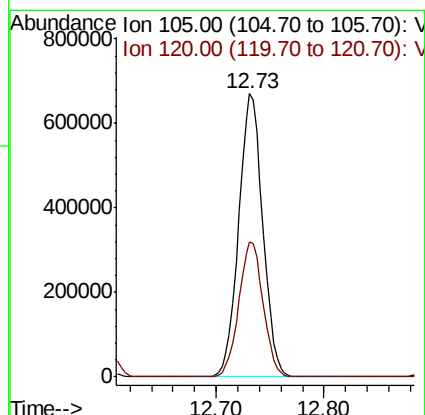
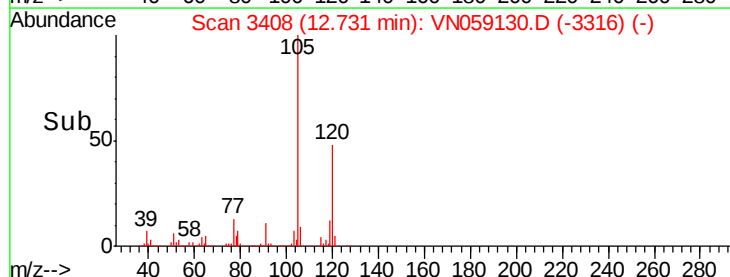
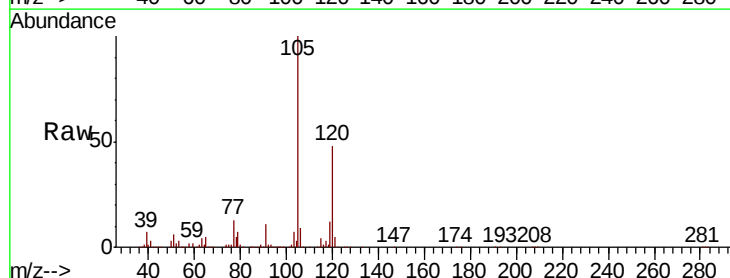
Acq: 8 Nov 2019 8:50

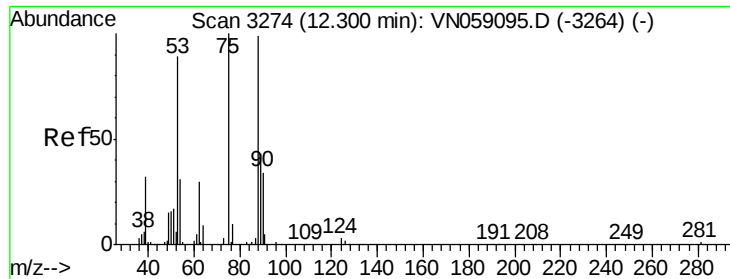
Tgt Ion: 105 Resp: 1040576

Ion Ratio Lower Upper

105 100

120 48.3 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.141 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

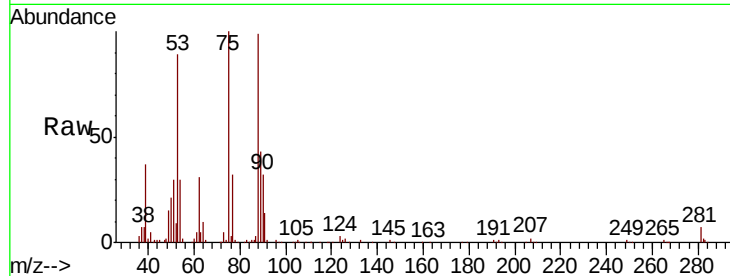
Tot Ion: 75 Resp: 141602

Ion Ratio Lower Upper

75 100

53 88.9 72.2 108.2

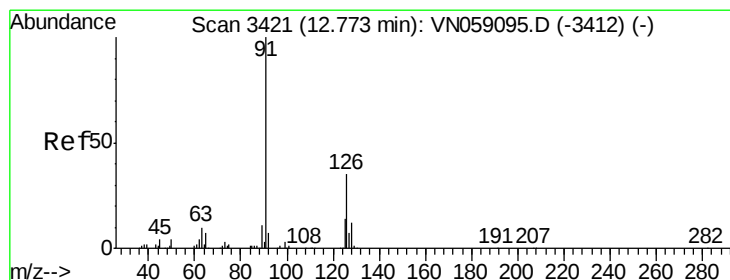
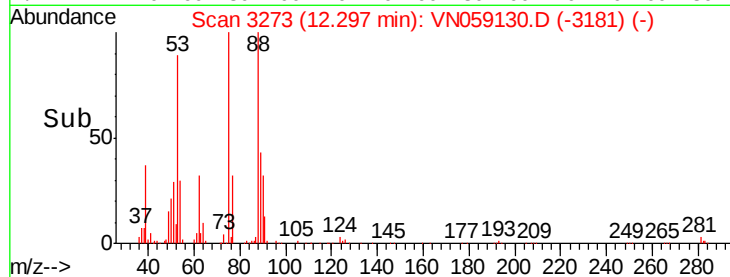
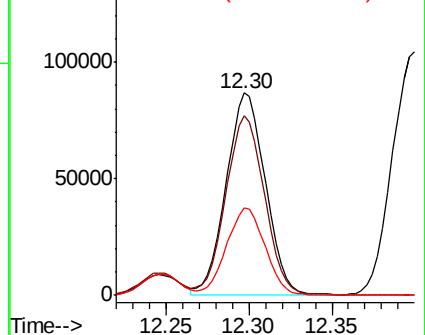
89 42.6 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.508 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059130.D

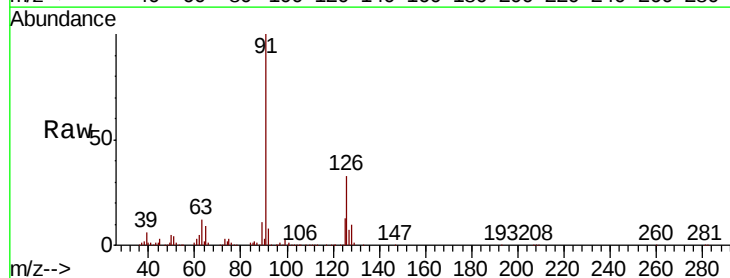
Acq: 8 Nov 2019 8:50

Tgt Ion: 91 Resp: 876017

Ion Ratio Lower Upper

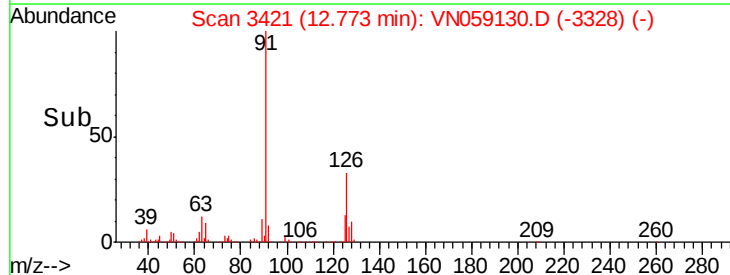
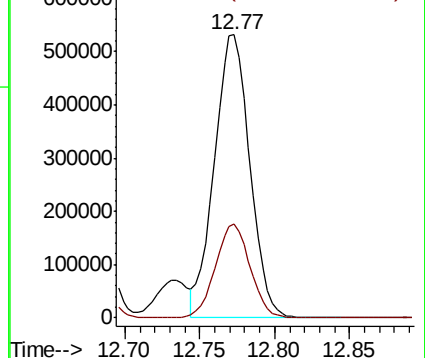
91 100

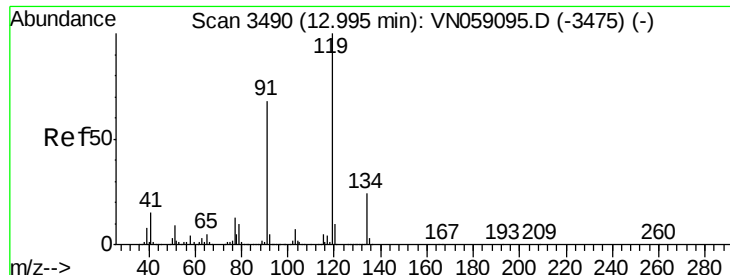
126 32.5 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

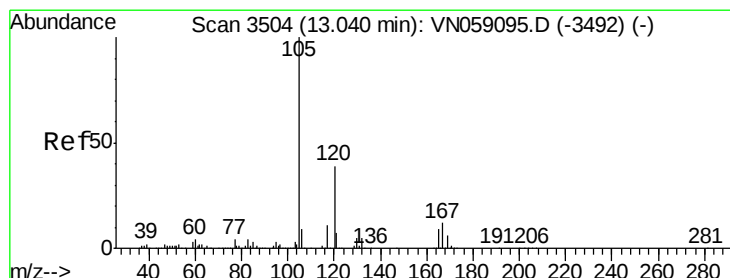
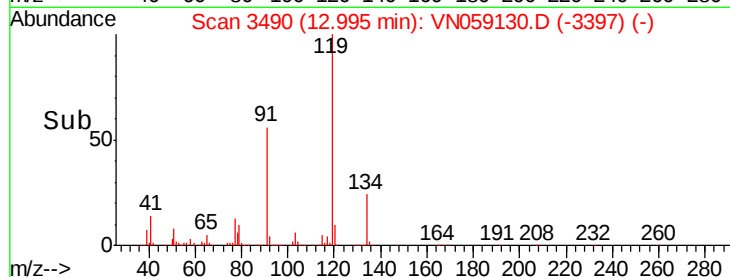
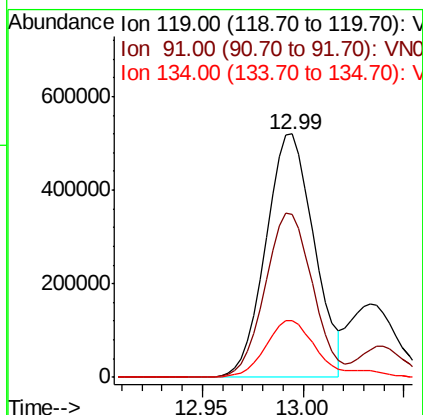
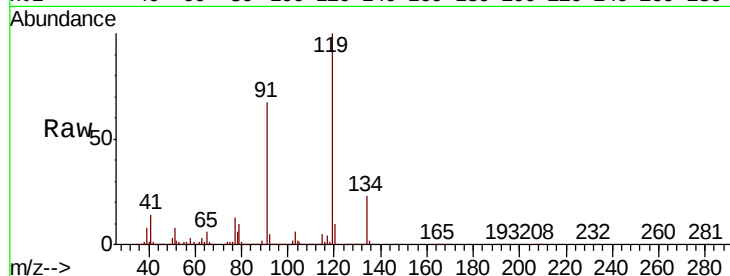




#83
 tert-Butylbenzene
 Concen: 46.676 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

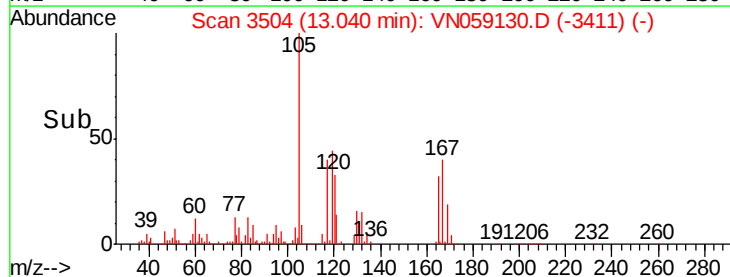
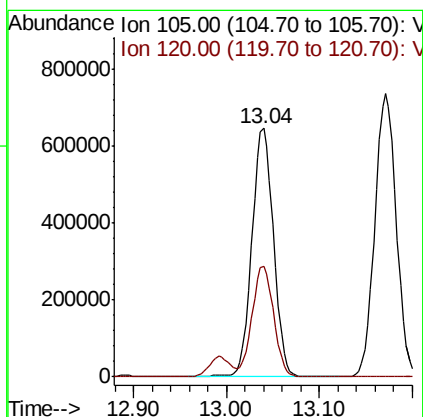
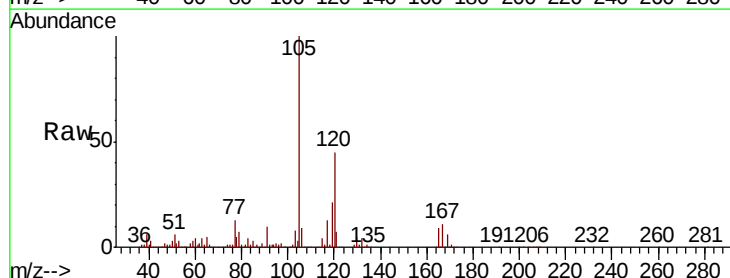
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 865822
 Ion Ratio Lower Upper
 119 100
 91 66.4 33.2 99.6
 134 25.8 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.315 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion:105 Resp: 1045623
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 48.777 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

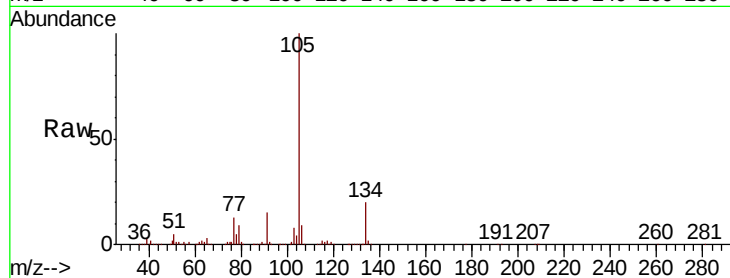
VSTDCCC050

Tot Ion:105 Resp: 1176703

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

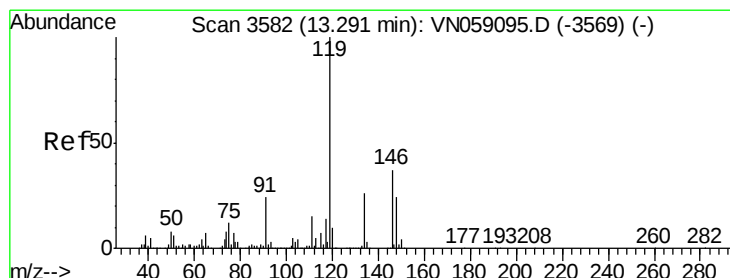
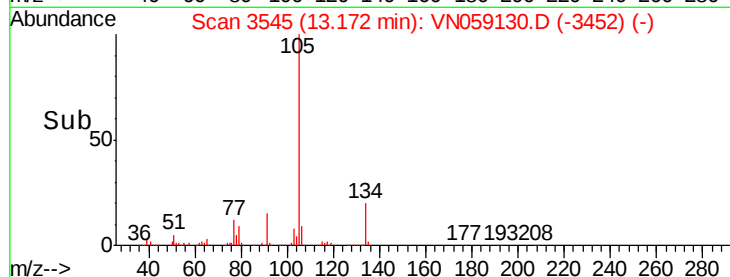
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.328 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

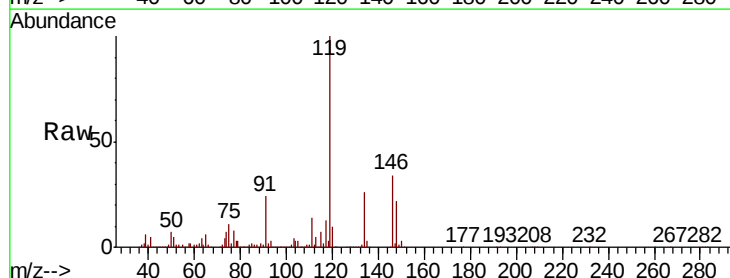
Tgt Ion:119 Resp: 1072045

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.6 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

13.29

800000

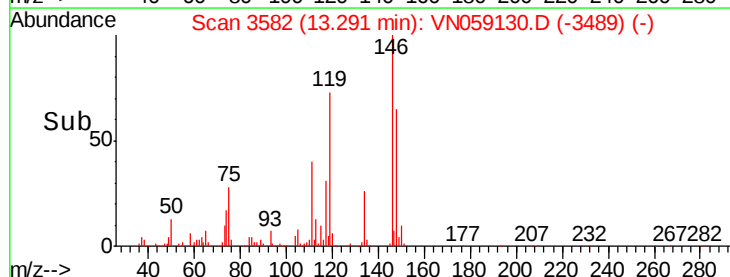
600000

400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.353 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

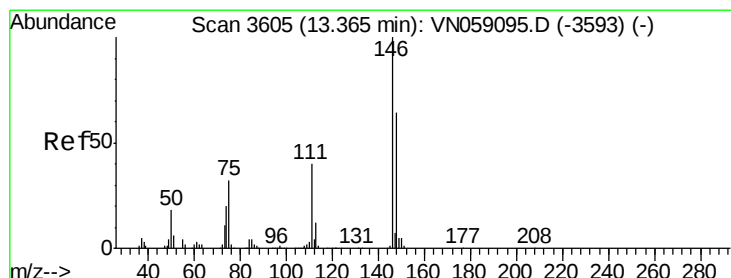
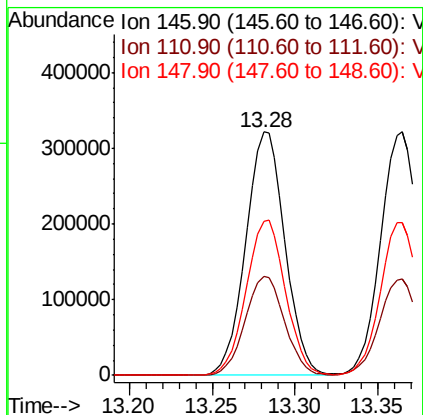
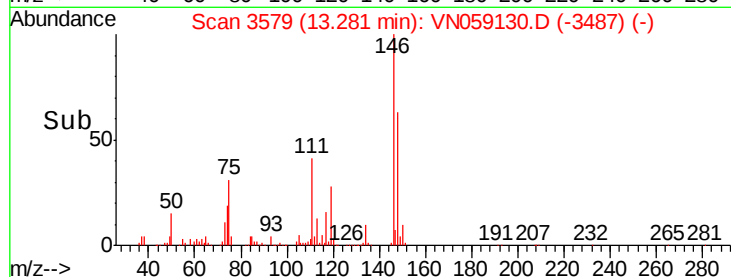
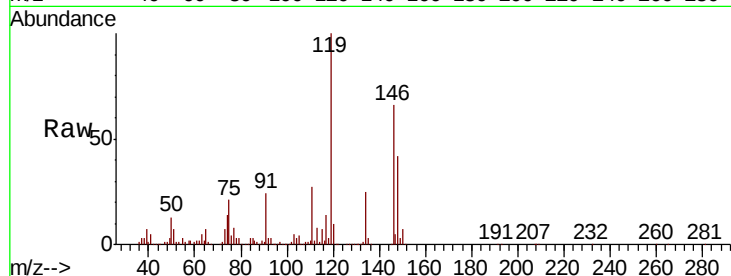
Tot Ion:146 Resp: 527340

Ion Ratio Lower Upper

146 100

111 40.8 20.4 61.3

148 63.9 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 47.964 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

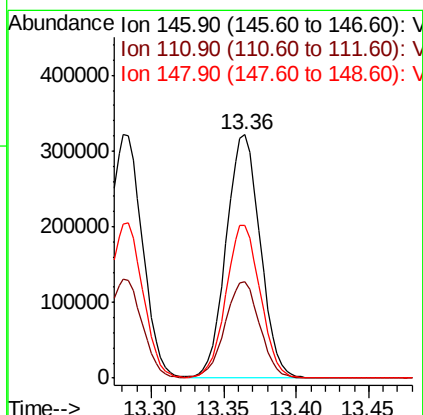
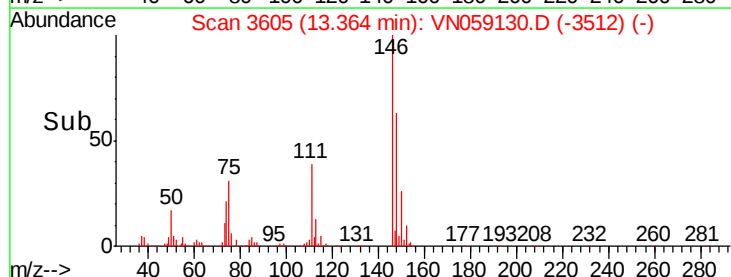
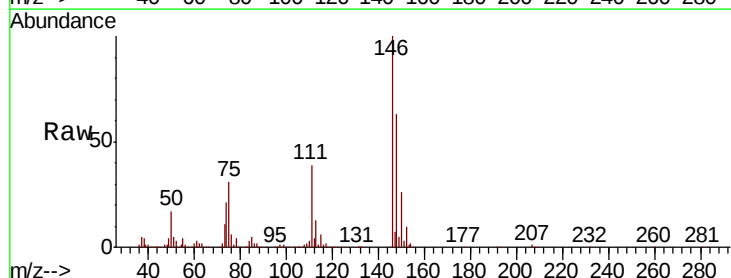
Tgt Ion:146 Resp: 523376

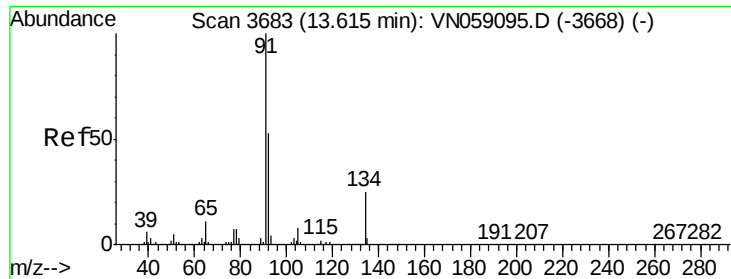
Ion Ratio Lower Upper

146 100

111 40.2 20.3 60.9

148 63.3 31.9 95.7

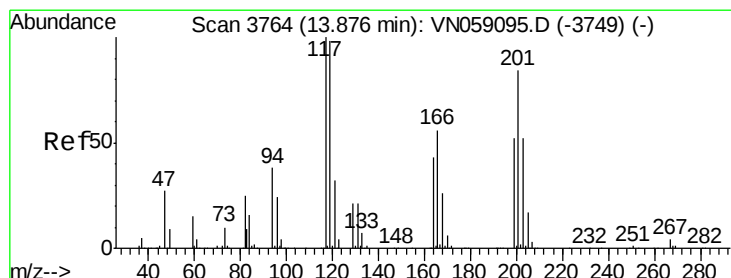
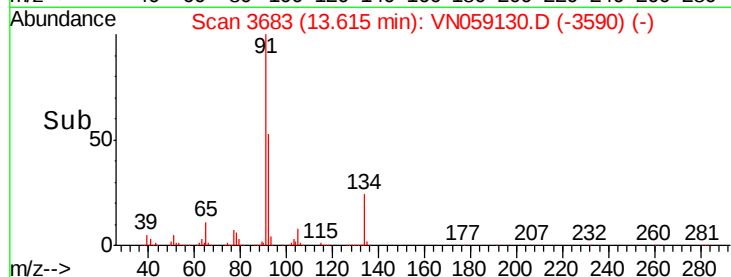
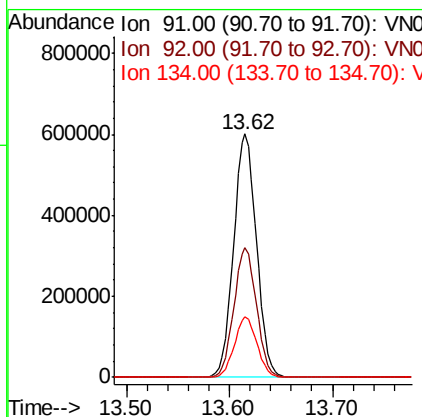
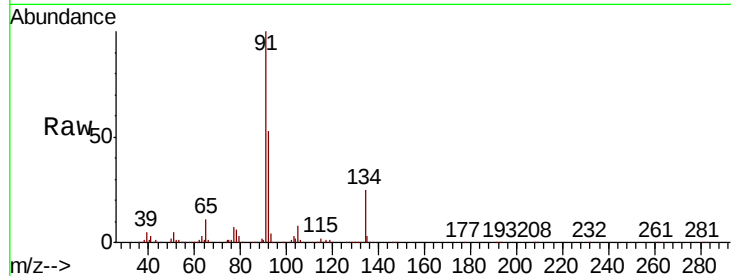




#89
n-Butylbenzene
Concen: 49.897 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

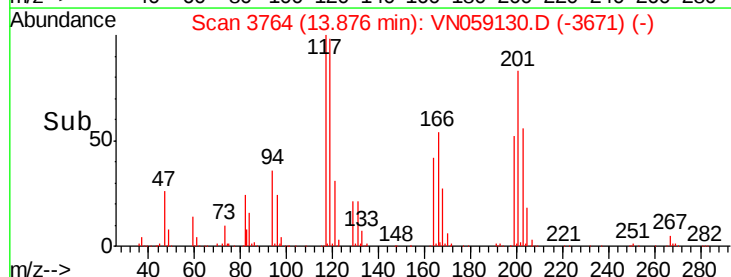
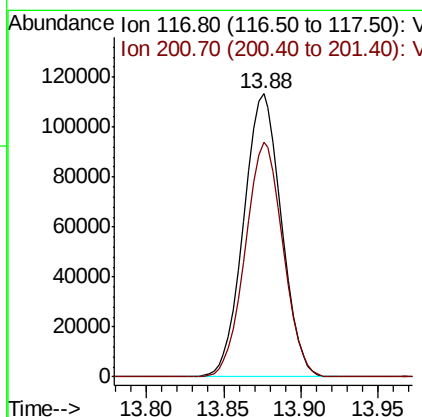
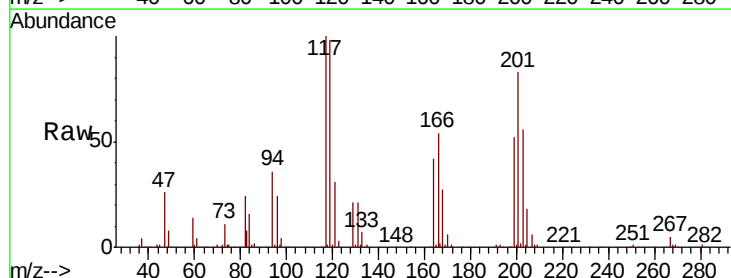
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

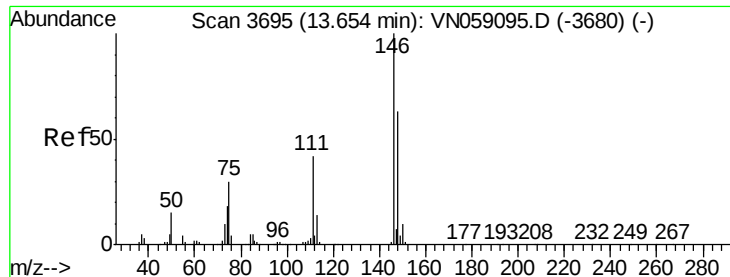
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.1	78.3
134	24.5	12.6	37.8



#90
Hexachloroethane
Concen: 45.012 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 48.457 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

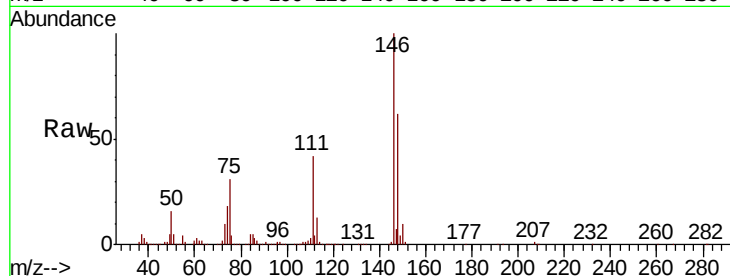
Tot Ion:146 Resp: 519866

Ion Ratio Lower Upper

146 100

111 41.8 21.2 63.6

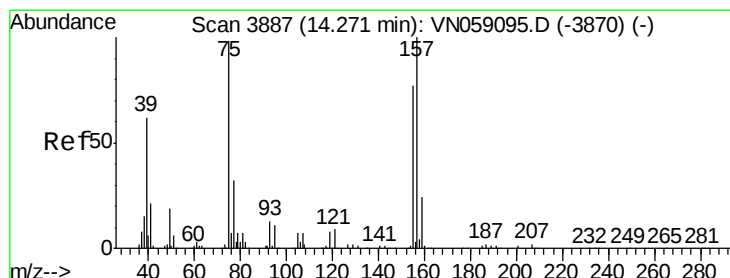
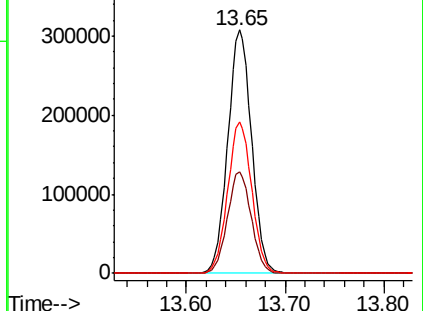
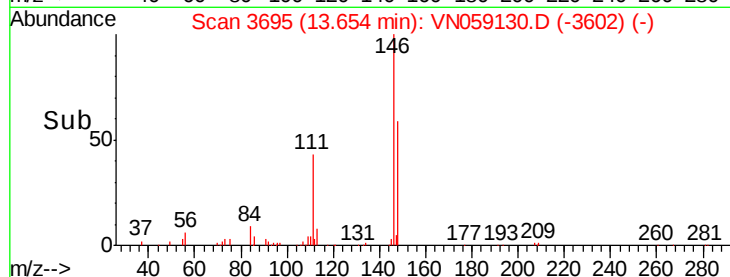
148 62.8 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.566 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059130.D

Acq: 8 Nov 2019 8:50

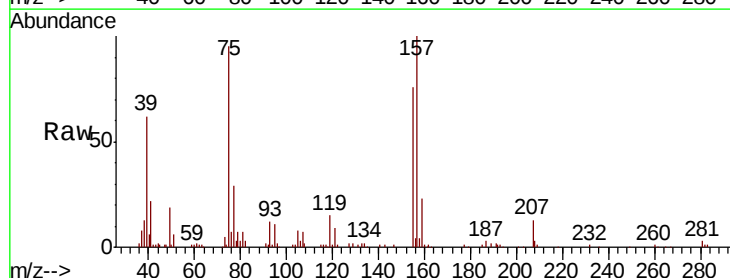
Tgt Ion: 75 Resp: 73304

Ion Ratio Lower Upper

75 100

155 79.5 40.2 120.6

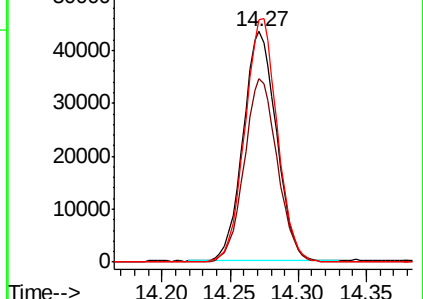
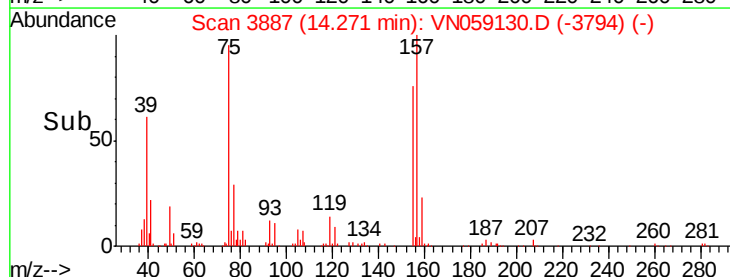
157 103.8 51.8 155.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

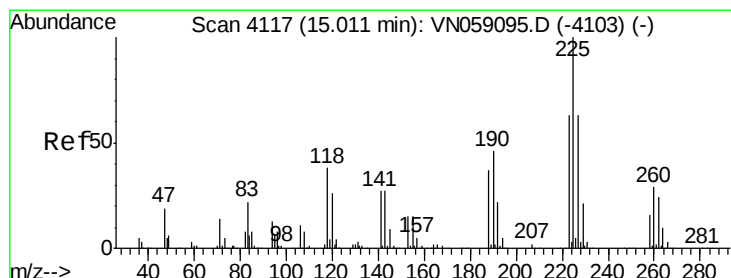
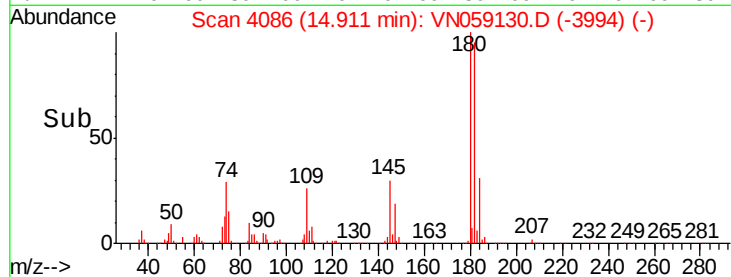
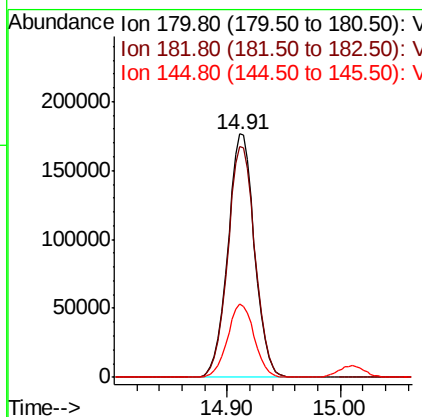
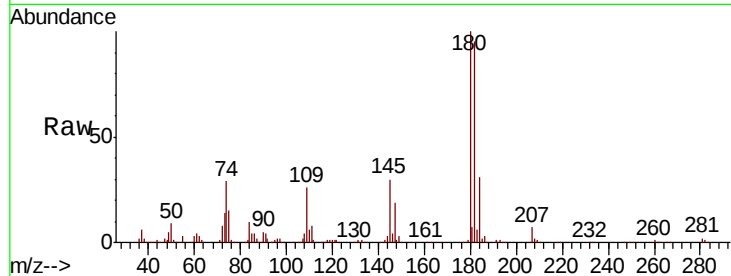




#93
 1,2,4-Trichlorobenzene
 Concen: 44.580 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

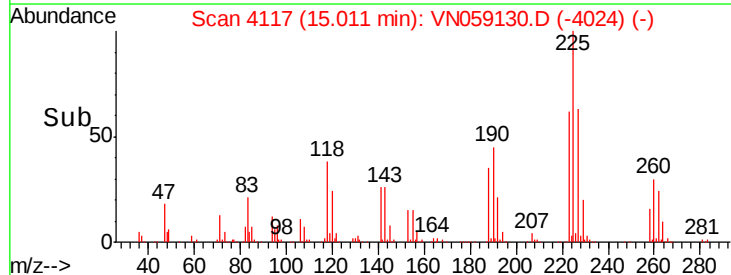
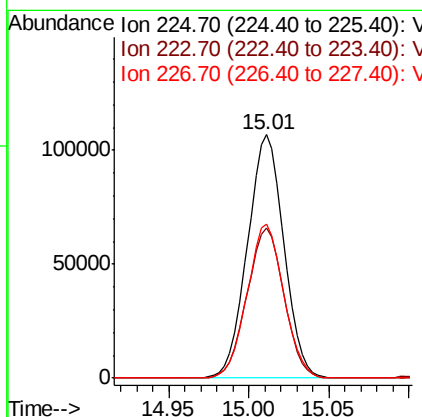
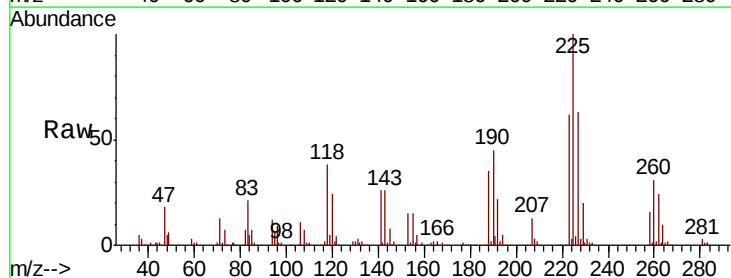
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

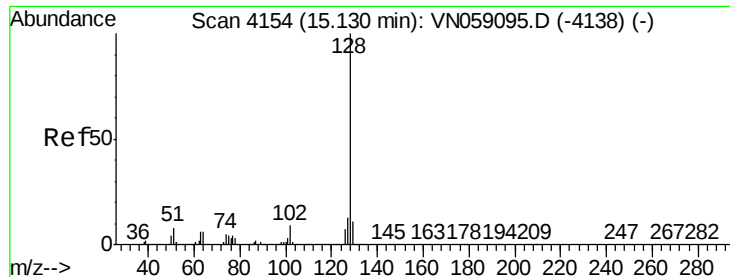
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.1	144.3
145	30.4	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 45.050 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059130.D
 Acq: 8 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.9
227	63.8	31.5	94.5

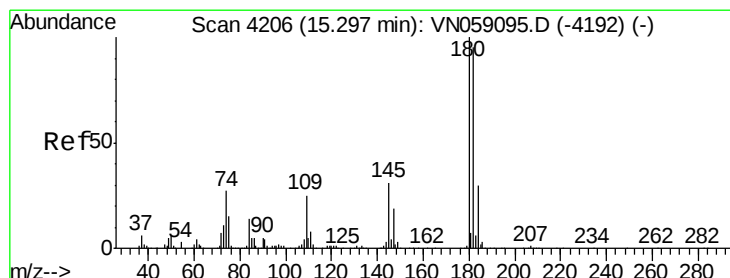
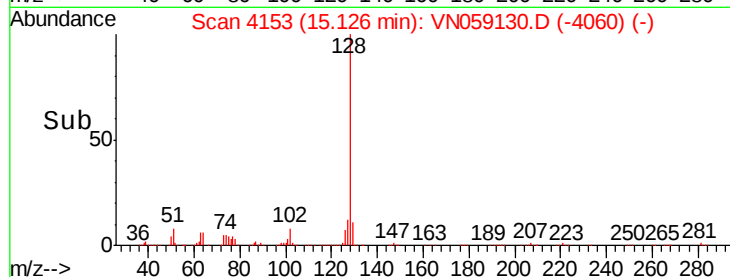
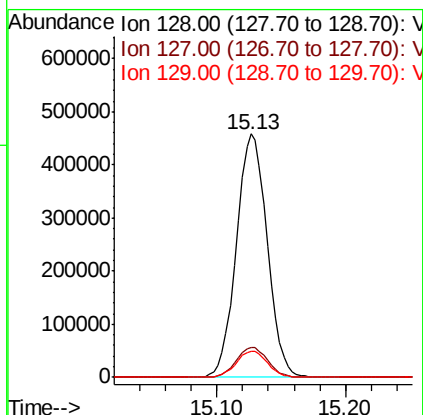
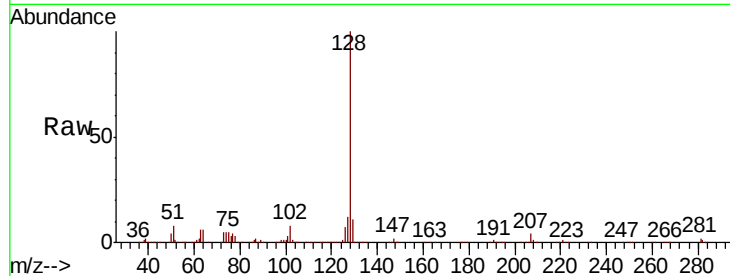




#95
Naphthalene
Concen: 42.481 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 758352
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 47.197 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059130.D
Acq: 8 Nov 2019 8:50

Tgt Ion:180 Resp: 283764
Ion Ratio Lower Upper
180 100
182 94.5 47.3 141.8
145 31.2 15.8 47.3

