

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059530.D
 Acq On : 9 Dec 2019 16:14
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 09 16:55:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	283607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	456753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	421582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203912	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	402634	114.42	ug/l	0.00
Spiked Amount						
			Recovery	=	228.84%	
35) Dibromofluoromethane	7.57	113	290365	104.57	ug/l	0.00
Spiked Amount						
			Recovery	=	209.14%	
50) Toluene-d8	10.08	98	1138628	104.74	ug/l	0.00
Spiked Amount						
			Recovery	=	209.48%	
62) 4-Bromofluorobenzene	12.40	95	418288	106.87	ug/l	0.00
Spiked Amount						
			Recovery	=	213.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	347431	111.331	ug/l	100
3) Chloromethane	2.04	50	505041	118.574	ug/l	98
4) Vinyl Chloride	2.17	62	531535	185.147	ug/l	100
5) Bromomethane	2.53	94	308314	174.526	ug/l	99
6) Chloroethane	2.68	64	305995	182.446	ug/l	98
7) Trichlorofluoromethane	2.99	101	638119	186.367	ug/l	99
8) Diethyl Ether	3.39	74	206784	106.520	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	318375	108.188	ug/l	100
10) Methyl Iodide	3.92	142	432291	117.057	ug/l	100
11) Tert butyl alcohol	4.76	59	360486	559.650	ug/l	100
12) 1,1-Dichloroethene	3.71	96	309996	108.566	ug/l	97
13) Acrolein	3.58	56	157358	317.605	ug/l	99
14) Allyl chloride	4.29	41	623938	110.024	ug/l	100
15) Acrylonitrile	4.95	53	976260	559.400	ug/l	99
16) Acetone	3.79	43	893553	386.144	ug/l	99
17) Carbon Disulfide	4.03	76	997803	101.650	ug/l	99
18) Methyl Acetate	4.29	43	514866	110.968	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1133573	115.387	ug/l	99
20) Methylene Chloride	4.52	84	357311	98.284	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	347933	108.282	ug/l	98
22) Diisopropyl ether	5.92	45	1249480	118.166	ug/l	94
23) Vinyl Acetate	5.86	43	5279607	619.335	ug/l	98
24) 1,1-Dichloroethane	5.82	63	684183	114.073	ug/l	99
25) 2-Butanone	6.81	43	1440589	550.653	ug/l	100
26) 2,2-Dichloropropane	6.80	77	611692	116.799	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	394991	110.460	ug/l	99
28) Bromochloromethane	7.17	49	230006	120.353	ug/l	100
29) Tetrahydrofuran	7.19	42	976860	590.992	ug/l	100
30) Chloroform	7.35	83	675048	115.671	ug/l	98
31) Cyclohexane	7.63	56	637625	110.429	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	596852	117.285	ug/l	100
36) 1,1-Dichloropropene	7.77	75	529387	113.722	ug/l	100
37) Ethyl Acetate	6.90	43	590620	113.552	ug/l	100
38) Carbon Tetrachloride	7.75	117	527207	117.202	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	632523	113.824	ug/l	98
40) Benzene	8.02	78	1498282	110.387	ug/l	100
41) Methacrylonitrile	7.18	41	872544	406.746	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	570205	120.974	ug/l	100
43) Isopropyl Acetate	8.15	43	968161	124.396	ug/l	100
44) Trichloroethene	8.82	130	379136	107.105	ug/l	96
45) 1,2-Dichloropropane	9.10	63	407624	112.220	ug/l	100
46) Dibromomethane	9.19	93	265779	116.895	ug/l	97
47) Bromodichloromethane	9.39	83	546960	119.552	ug/l	100
48) Methyl methacrylate	9.18	41	441149	125.862	ug/l	99
49) 1,4-Dioxane	9.19	88	105398	2041.452	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2803880	608.189	ug/l	97
52) Toluene	10.15	92	929632	113.527	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	641060	119.483	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	661881	116.934	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	365404	113.012	ug/l	98
56) Ethyl methacrylate	10.42	69	606755	129.530	ug/l	99
57) 1,3-Dichloropropane	10.70	76	641545	114.275	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	690541	504.552	ug/l	99
59) 2-Hexanone	10.74	43	2138078	616.229	ug/l	98
60) Dibromochloromethane	10.90	129	412842	118.829	ug/l	100
61) 1,2-Dibromoethane	11.00	107	389905	116.405	ug/l	99
64) Tetrachloroethene	10.63	164	338317	99.050	ug/l	97
65) Chlorobenzene	11.43	112	970069	108.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	368371	113.838	ug/l	100
67) Ethyl Benzene	11.51	91	1810757	114.913	ug/l	99
68) m/p-Xylenes	11.62	106	1344204	227.233	ug/l	100
69) o-Xylene	11.94	106	644790	114.455	ug/l	97
70) Styrene	11.96	104	1079100	119.590	ug/l	98
71) Bromoform	12.13	173	301890	118.078	ug/l #	100
73) Isopropylbenzene	12.25	105	1736691	111.740	ug/l	100
74) N-amyl acetate	12.07	43	841467	132.602	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	547940	108.604	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	773801	155.323	ug/l #	100
77) Bromobenzene	12.53	156	405343	102.993	ug/l	93
78) n-propylbenzene	12.59	91	2054863	112.471	ug/l	100
79) 2-Chlorotoluene	12.67	91	1237820	112.226	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1566045	119.048	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	221484	120.662	ug/l	91
82) 4-Chlorotoluene	12.77	91	1255973	109.924	ug/l	98
83) tert-Butylbenzene	12.99	119	1222820	107.196	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1448003	112.342	ug/l	99
85) sec-Butylbenzene	13.17	105	1687794	111.327	ug/l	100
86) p-Isopropyltoluene	13.29	119	1530539	112.274	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	740081	105.655	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	733022	103.644	ug/l	100
89) n-Butylbenzene	13.62	91	1471799	120.157	ug/l	99
90) Hexachloroethane	13.88	117	289356	110.154	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	702796	104.815	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	125331	102.932	ug/l	95

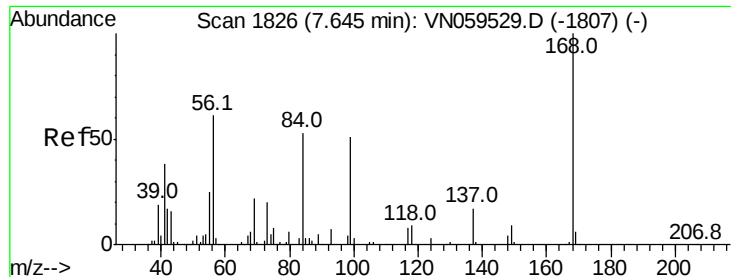
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Quant Title : SW846 8260
QLast Update : Mon Dec 09 16:19:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	480001	113.823	ug/l	99
94) Hexachlorobutadiene	15.01	225	241485	91.983	ug/l	99
95) Naphthalene	15.13	128	1431214	115.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	471082	104.427	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

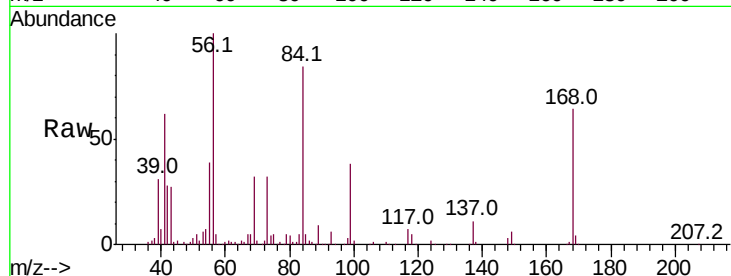
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 283607

Ion Ratio Lower Upper

168 100

99 59.6 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

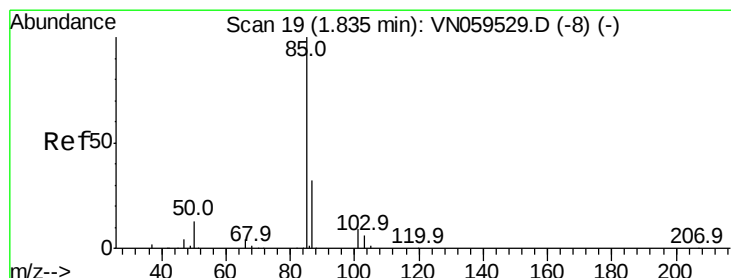
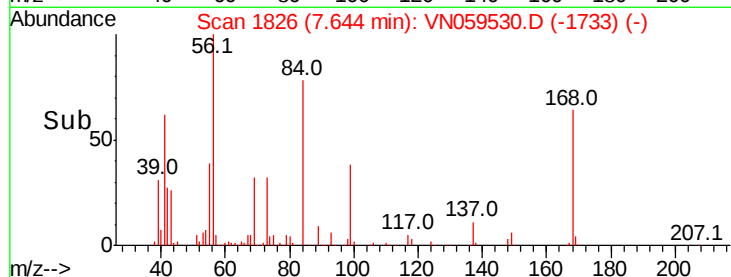
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 111.331 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059530.D

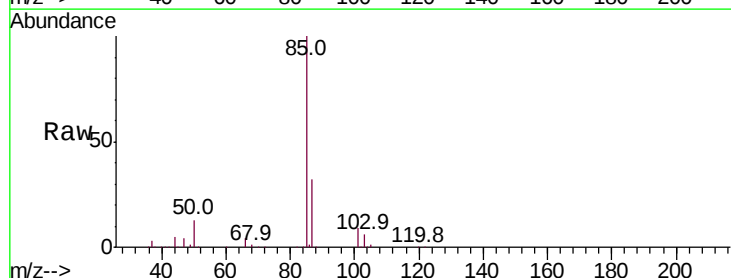
Acq: 9 Dec 2019 16:14

Tgt Ion: 85 Resp: 347431

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

250000

200000

150000

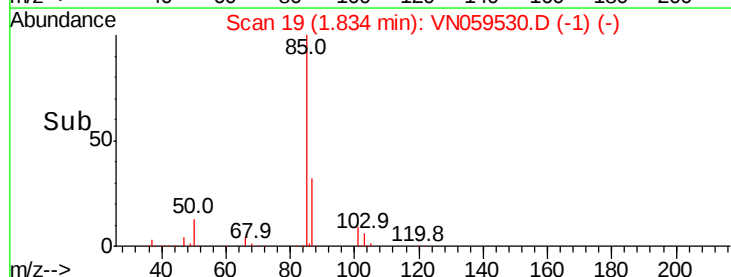
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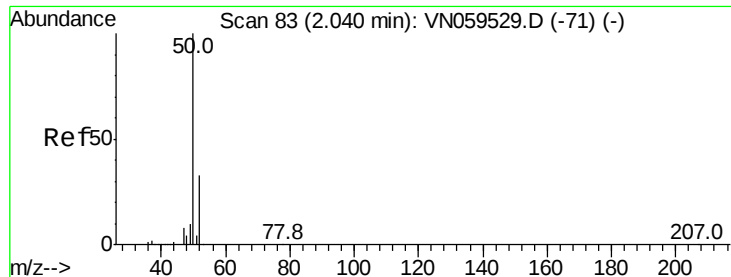
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 118.574 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

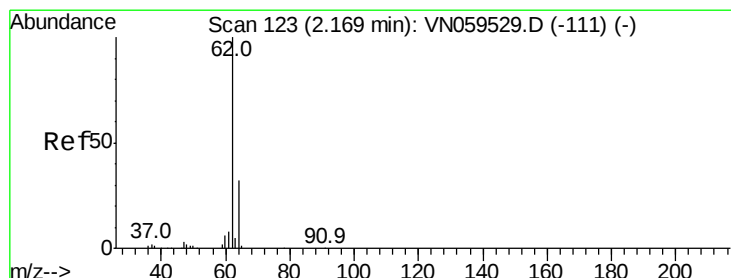
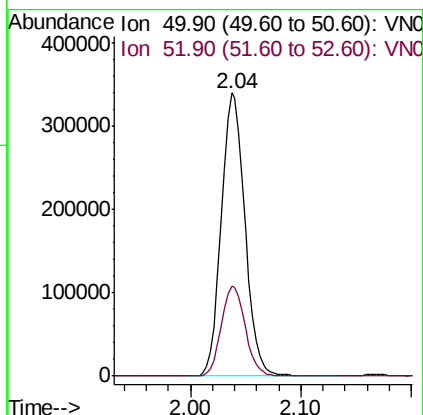
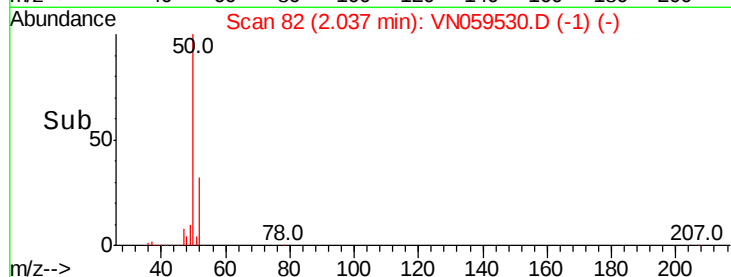
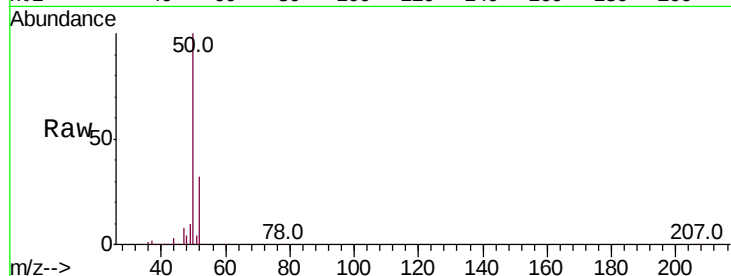
ClientSampleId :

Tot Ion: 50 Resp: 505041

Ion Ratio Lower Upper

50 100

52 31.8 26.2 39.4



#4

Vinyl Chloride

Concen: 185.147 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059530.D

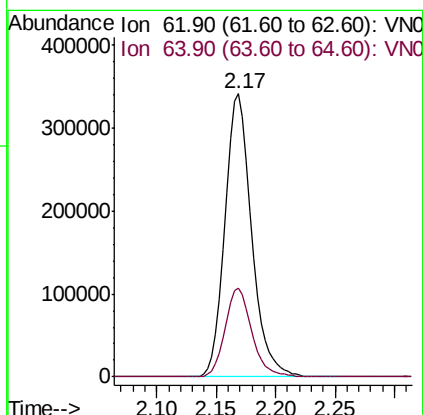
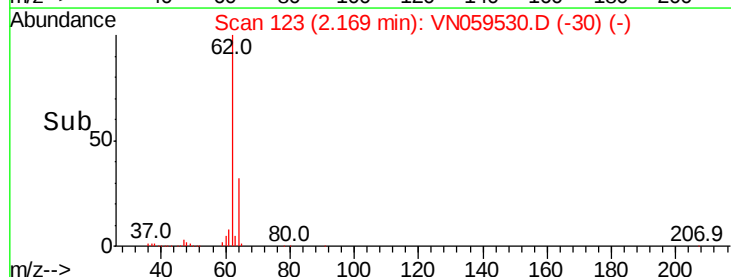
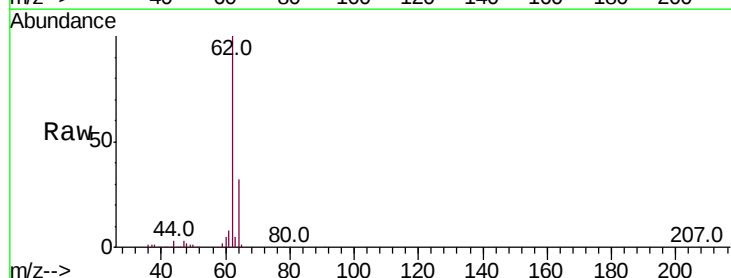
Acq: 9 Dec 2019 16:14

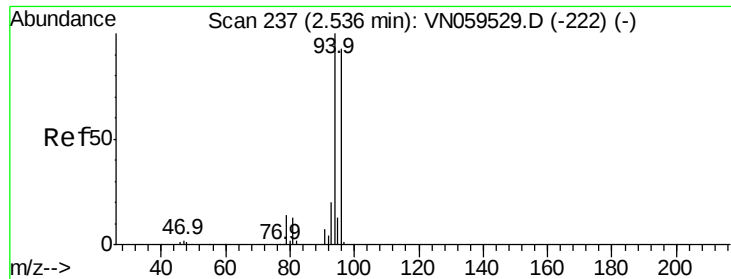
Tgt Ion: 62 Resp: 531535

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 174.526 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

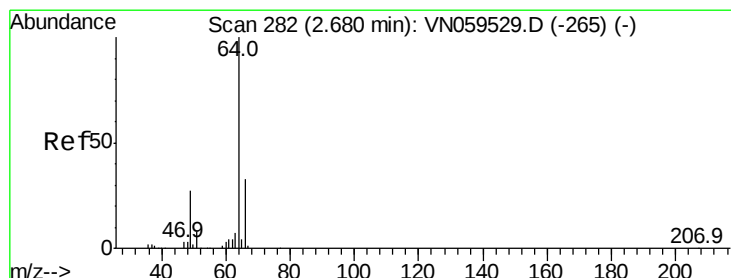
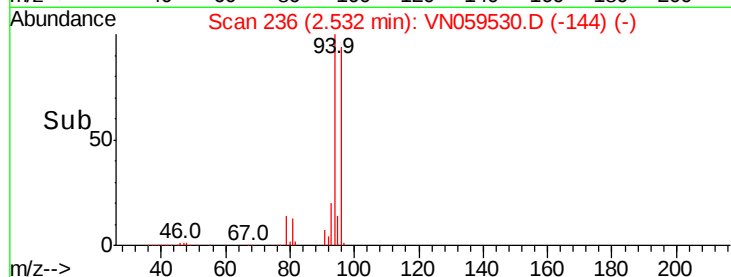
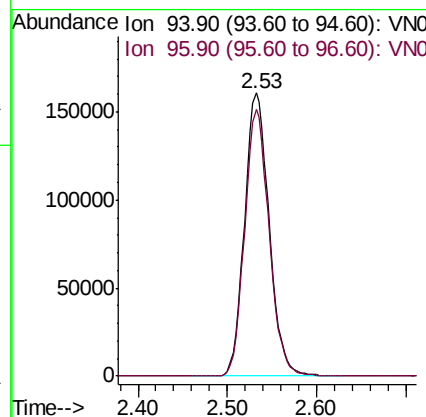
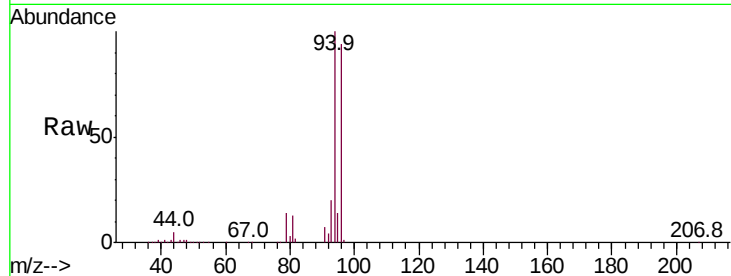
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 308314

Ion Ratio Lower Upper

94 100

96 94.3 74.6 112.0



#6

Chloroethane

Concen: 182.446 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059530.D

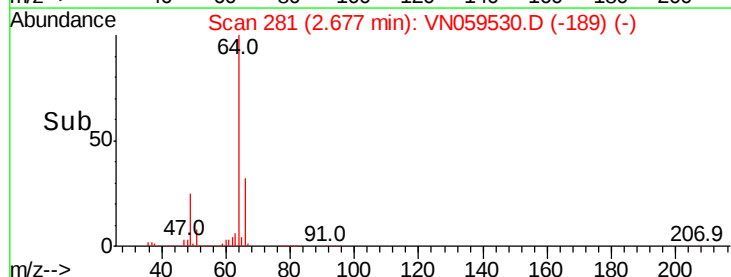
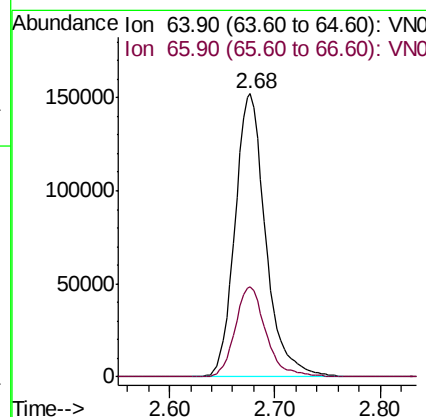
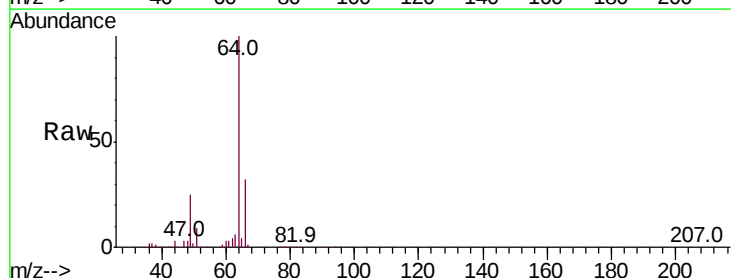
Acq: 9 Dec 2019 16:14

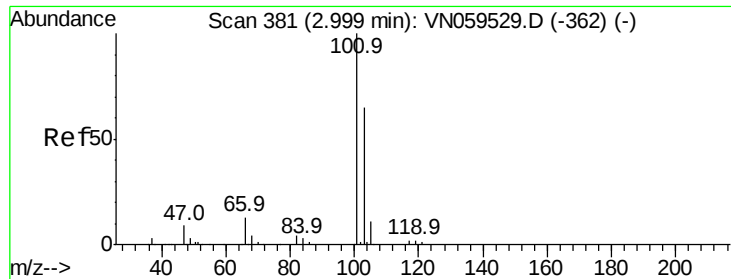
Tgt Ion: 64 Resp: 305995

Ion Ratio Lower Upper

64 100

66 32.0 26.7 40.1



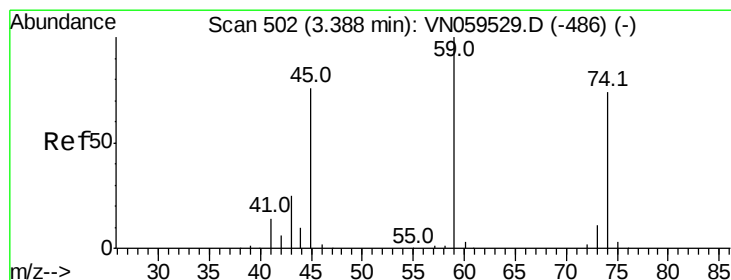
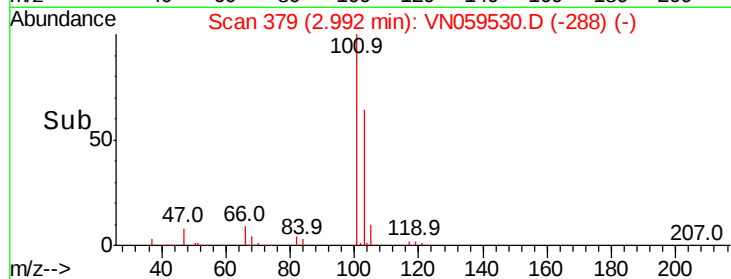
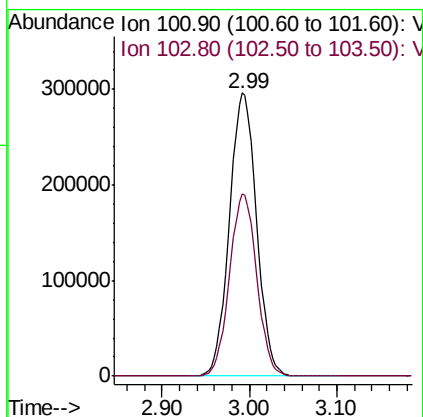
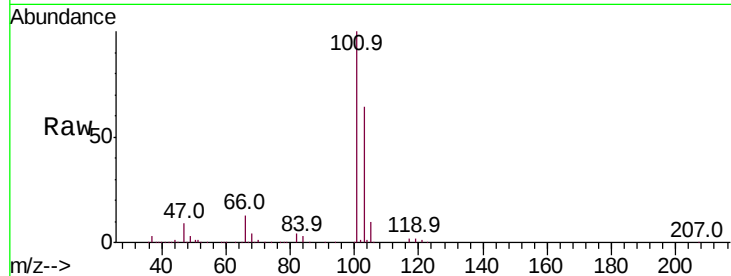


#7

Trichlorofluoromethane
Concen: 186.367 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.01 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

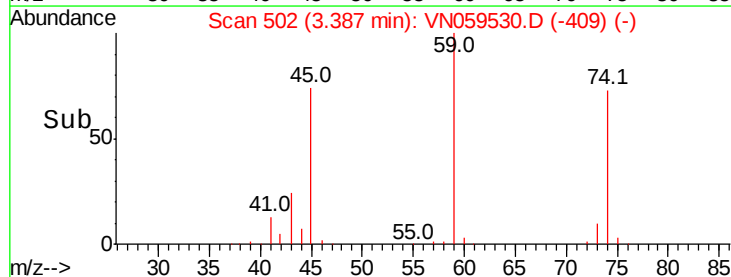
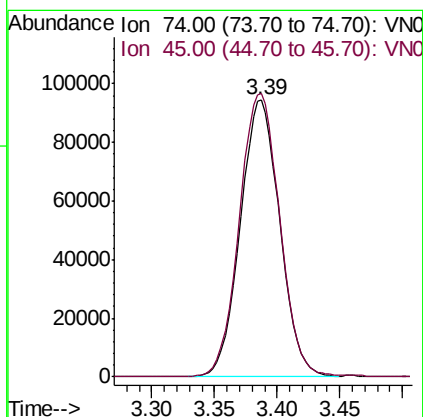
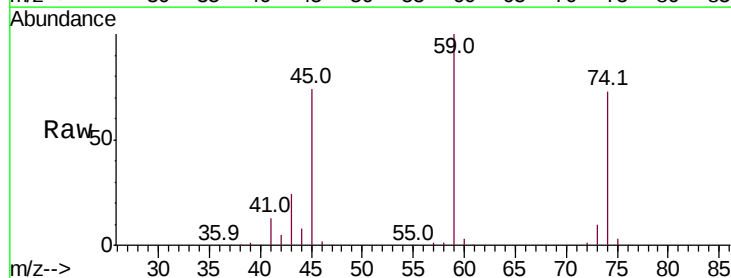
Tot Ion:101 Resp: 638119
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.4

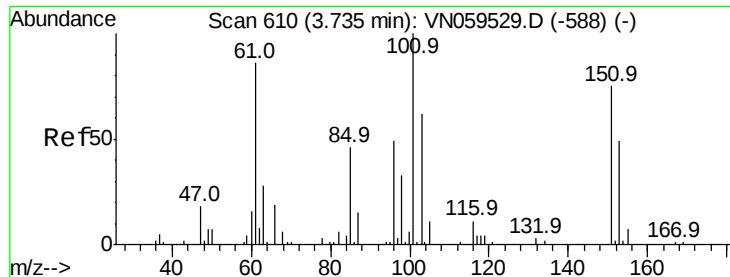


#8

Diethyl Ether
Concen: 106.520 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 74 Resp: 206784
Ion Ratio Lower Upper
74 100
45 104.0 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.188 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

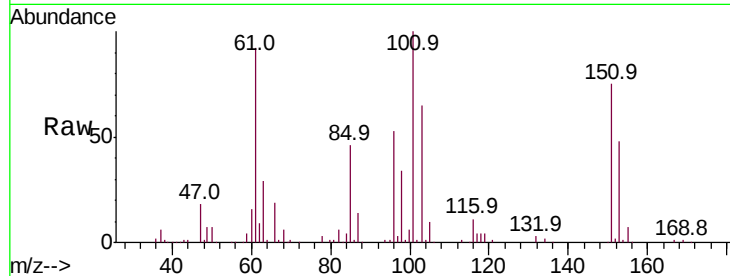
Tot Ion:101 Resp: 318375

Ion Ratio Lower Upper

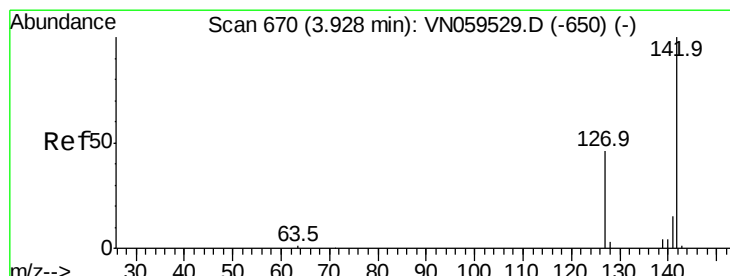
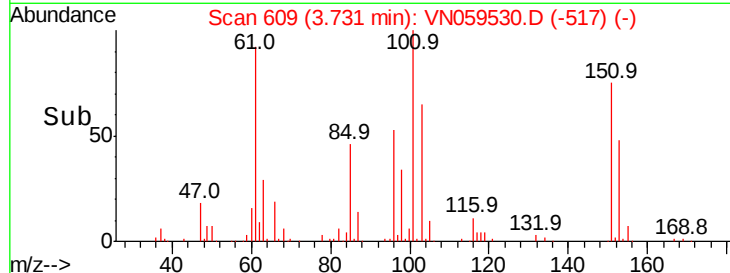
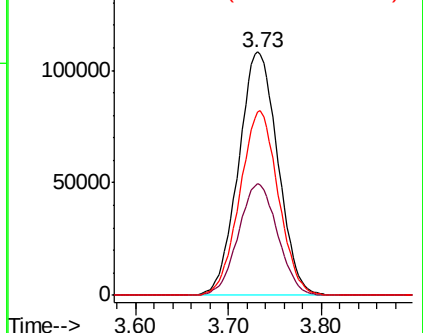
101 100

85 45.7 36.6 54.8

151 74.4 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 117.057 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

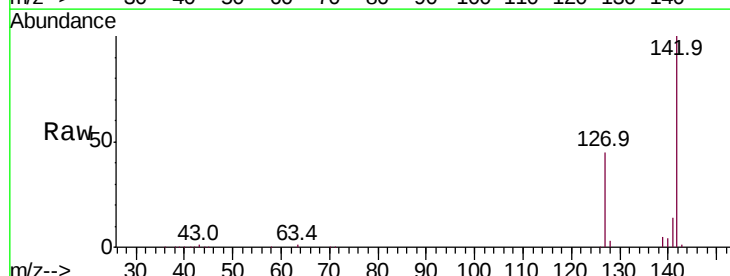
Tgt Ion:142 Resp: 432291

Ion Ratio Lower Upper

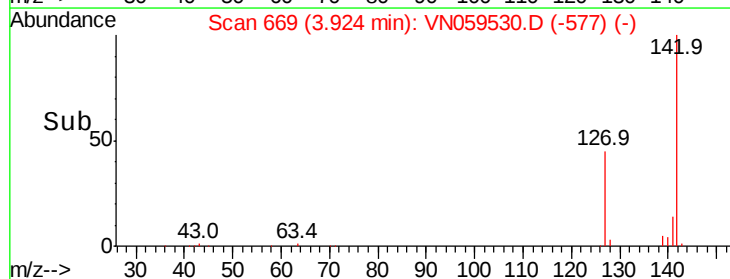
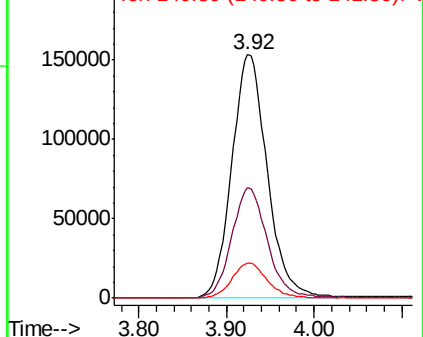
142 100

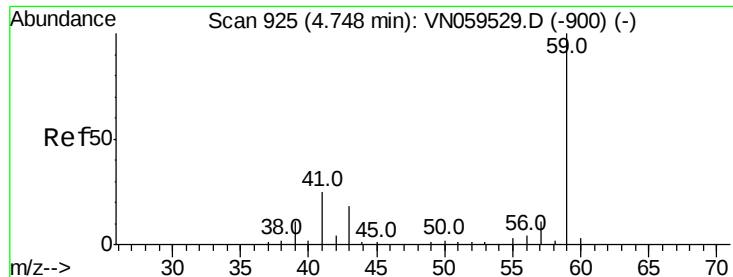
127 45.4 36.6 54.8

141 14.4 11.6 17.4



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

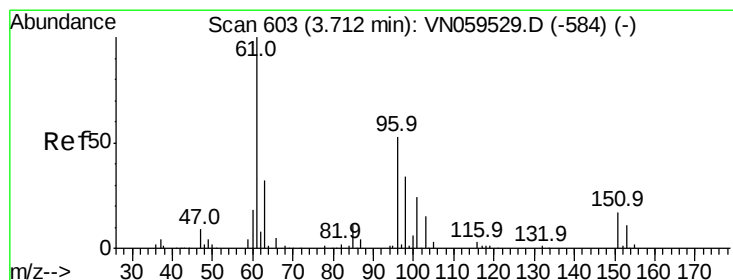
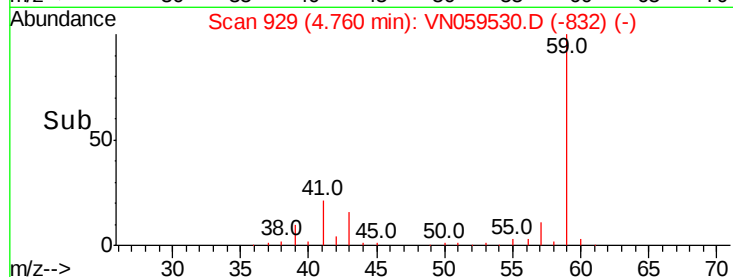
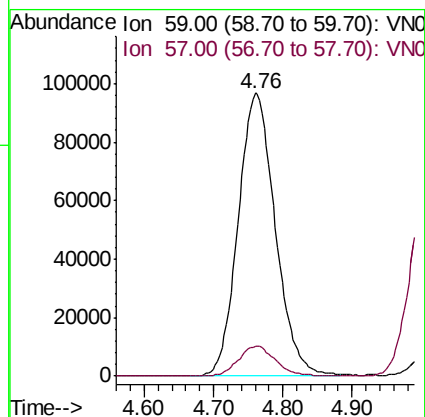
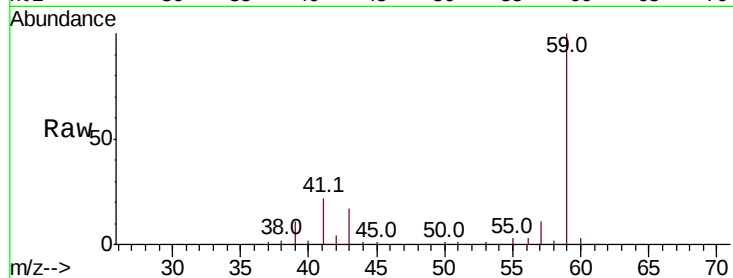




#11
Tert butyl alcohol
Concen: 559.650 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

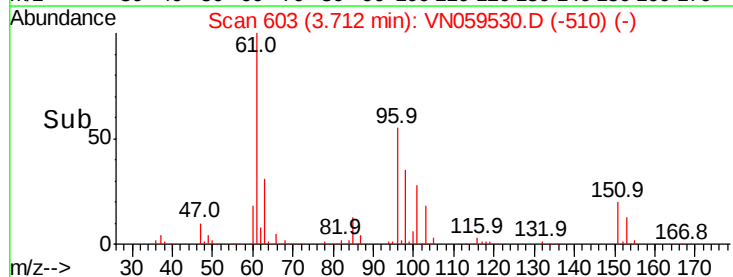
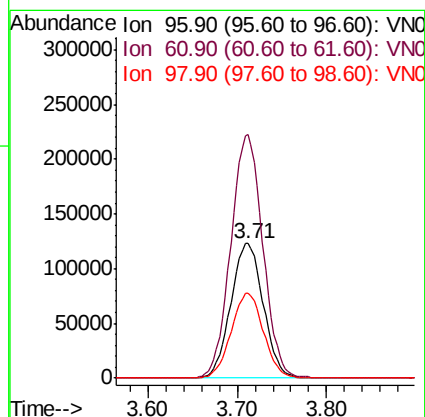
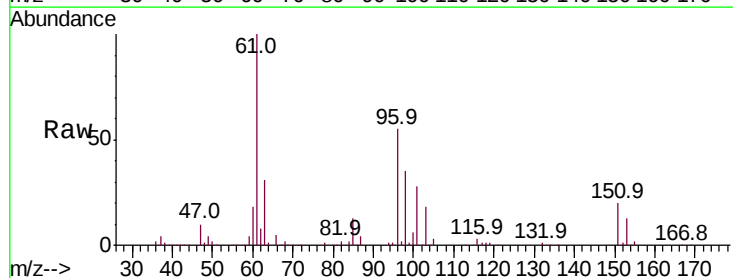
Instrument :
MSVOA_N
ClientSampled :

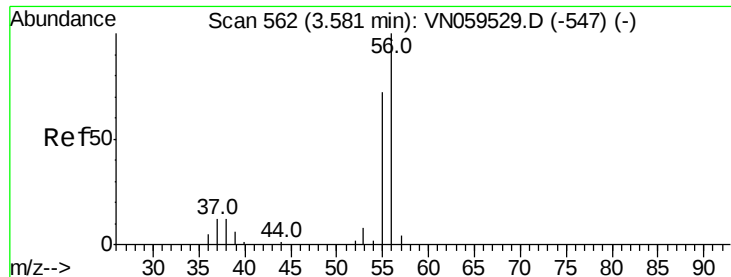
Tot Ion: 59 Resp: 360486
Ion Ratio Lower Upper
59 100
57 10.6 8.6 13.0



#12
1,1-Dichloroethene
Concen: 108.566 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 96 Resp: 309996
Ion Ratio Lower Upper
96 100
61 180.9 149.8 224.6
98 63.5 50.6 75.8





#13

Acrolein

Concen: 317.605 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

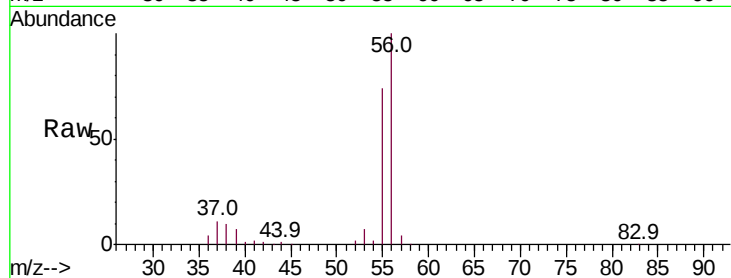
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 157358

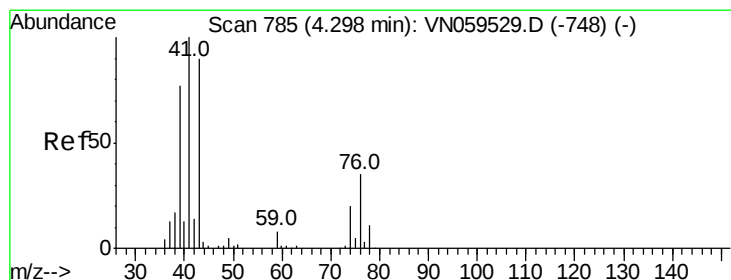
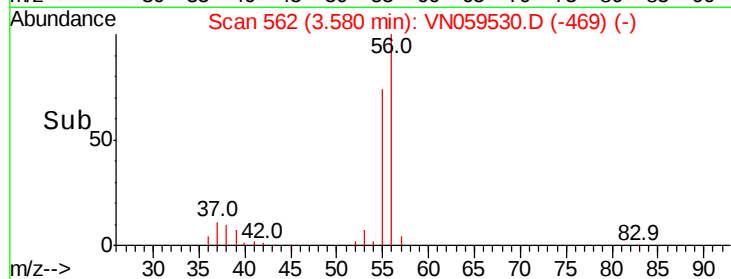
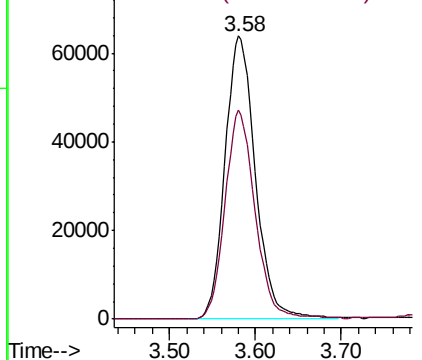
Ion Ratio Lower Upper

56 100

55 72.2 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 55.00 (54.70 to 55.70): VNC



#14

Allyl chloride

Concen: 110.024 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

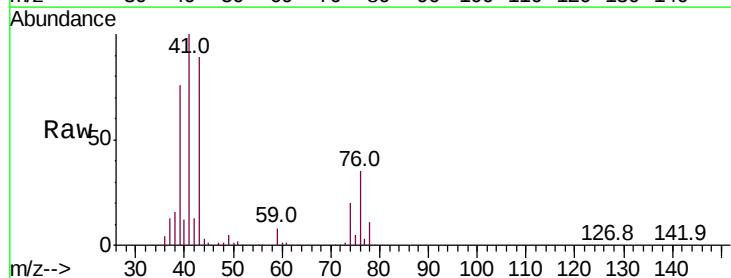
Tgt Ion: 41 Resp: 623938

Ion Ratio Lower Upper

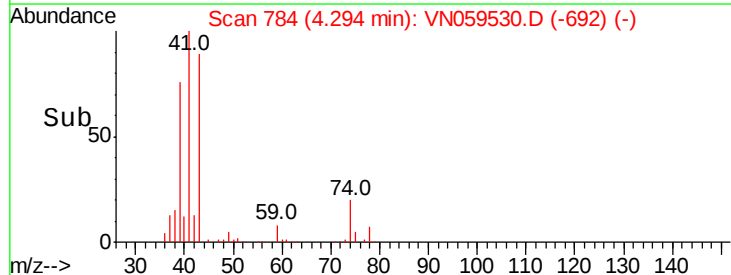
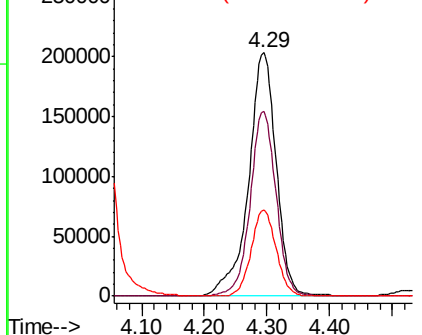
41 100

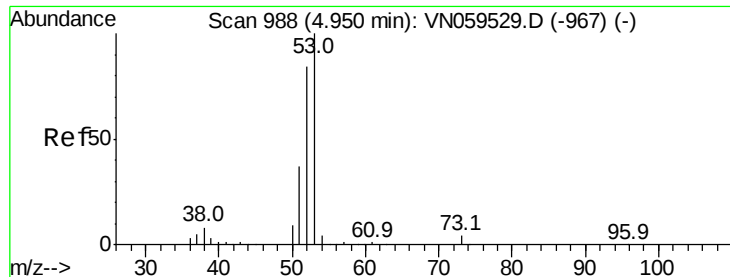
39 70.9 56.7 85.1

76 31.5 25.5 38.3



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 75.90 (75.60 to 76.60): VNC





#15

Acrylonitrile

Concen: 559.400 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

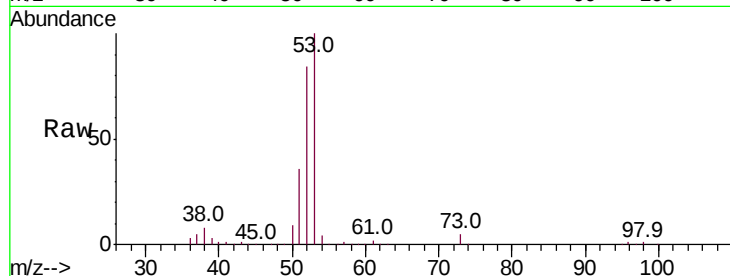
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 976260

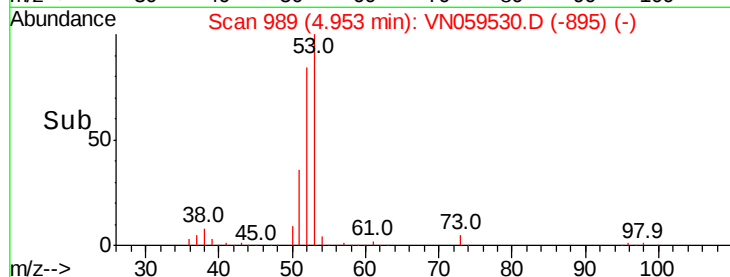
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	99.8
51	36.6	29.8	44.8



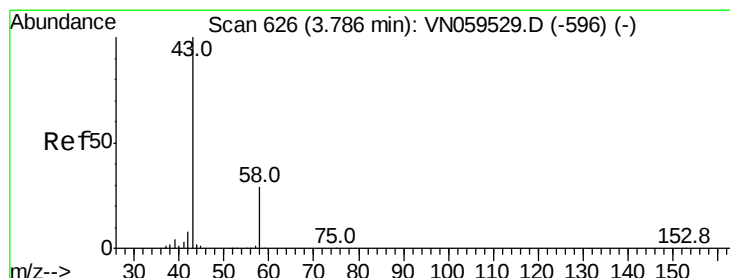
Abundance Ion 53.00 (52.70 to 53.70): VN059529.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN059529.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN059529.D (-967) (-)



Time-->



#16

Acetone

Concen: 386.144 ug/l

RT: 3.79 min Scan# 628

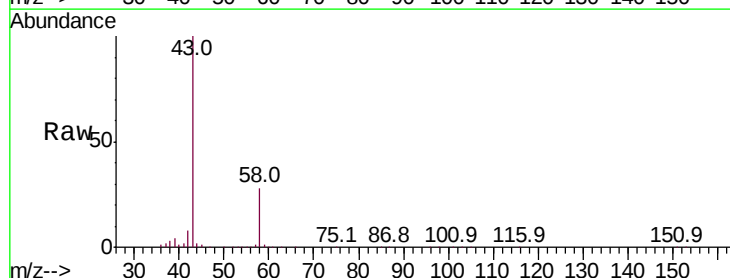
Delta R.T. 0.01 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

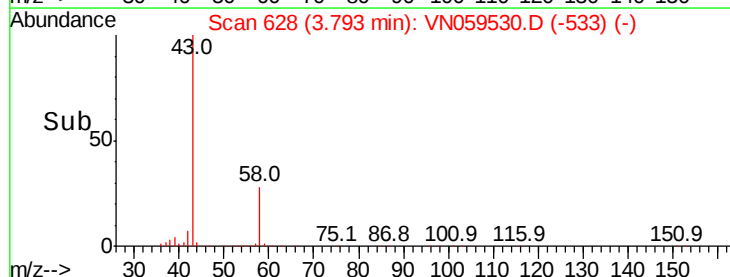
Tgt Ion: 43 Resp: 893553

Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.0	34.4

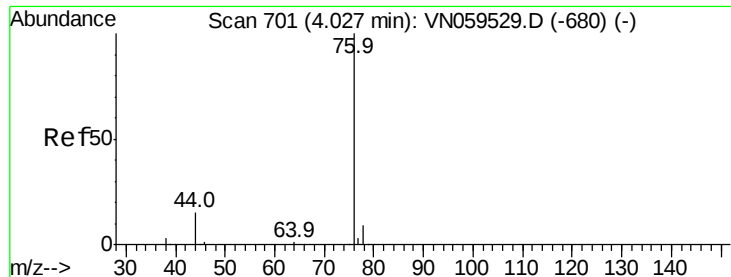


Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-596) (-)

Ion 58.00 (57.70 to 58.70): VN059529.D (-596) (-)



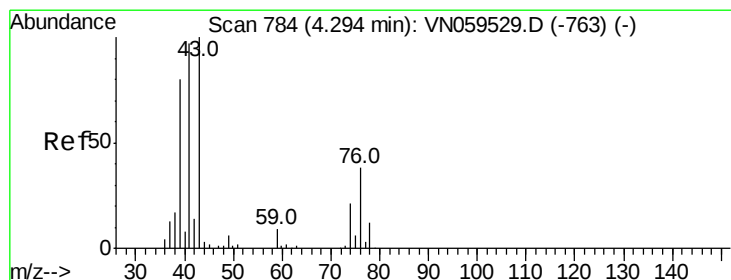
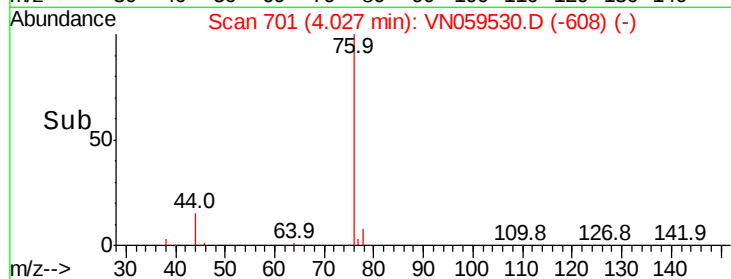
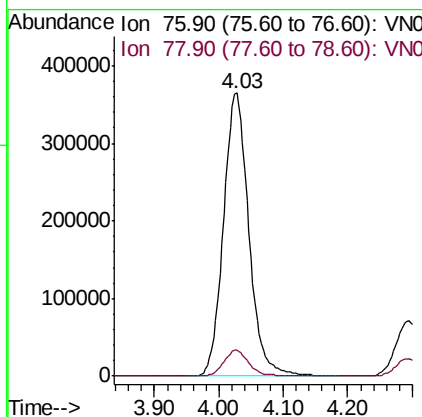
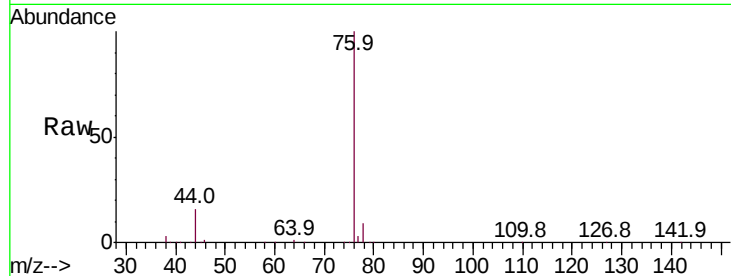
Time-->



#17
Carbon Disulfide
Concen: 101.650 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

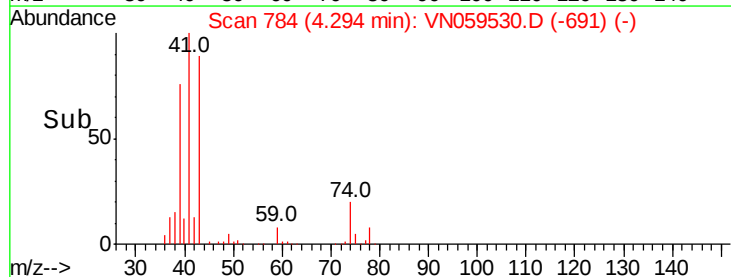
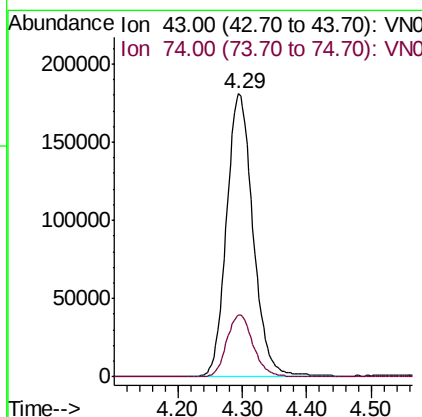
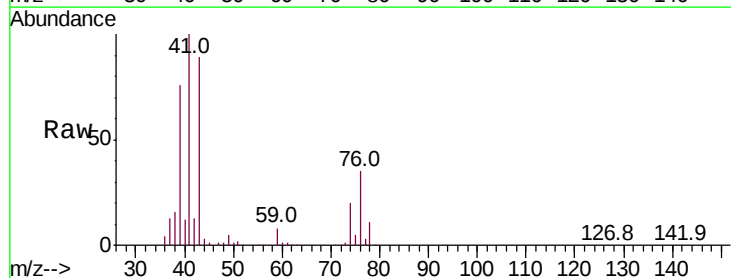
Instrument :
MSVOA_N
ClientSampleId :

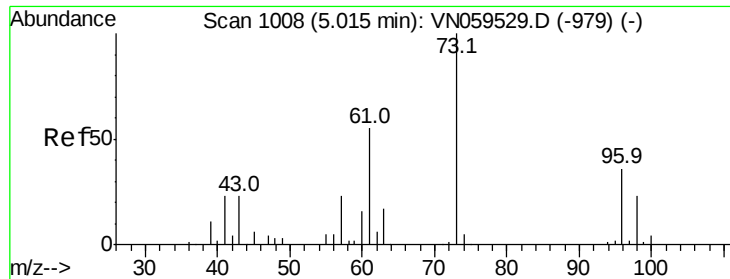
Tot Ion: 76 Resp: 997803
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 110.968 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 43 Resp: 514866
Ion Ratio Lower Upper
43 100
74 22.0 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 115.387 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

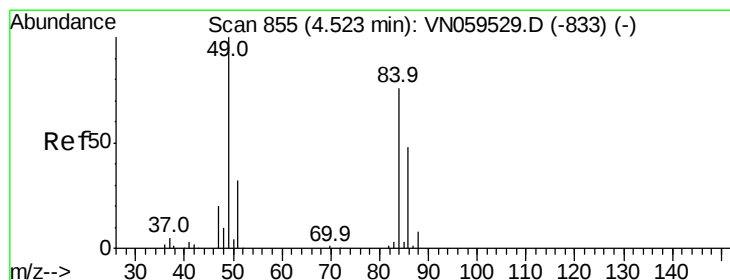
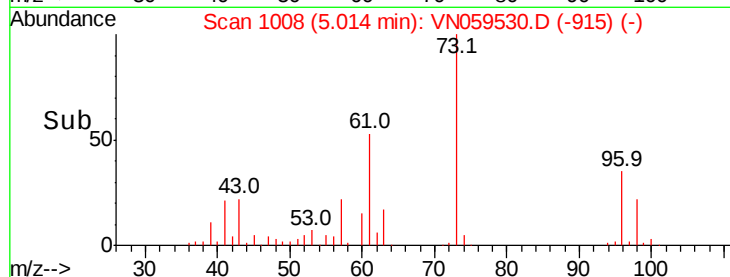
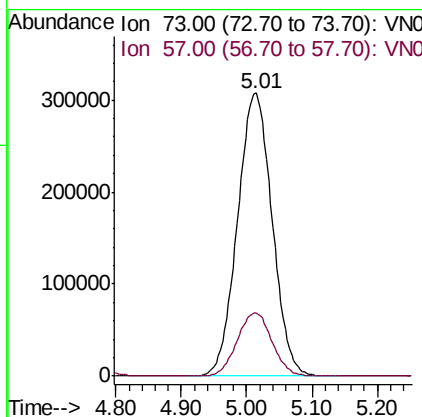
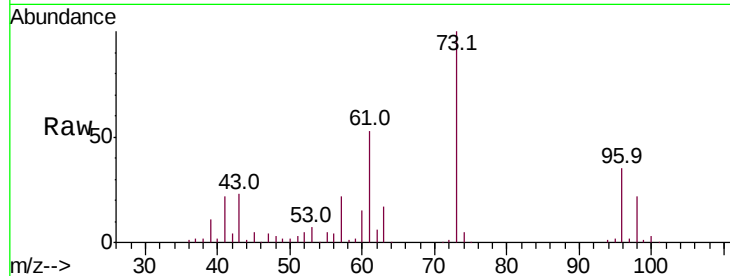
Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 1133573

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.3	27.5



#20

Methylene Chloride

Concen: 98.284 ug/l

RT: 4.52 min Scan# 855

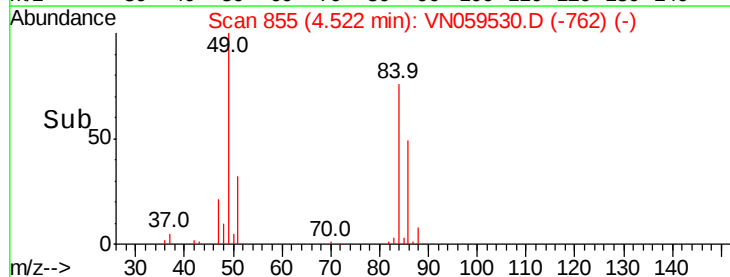
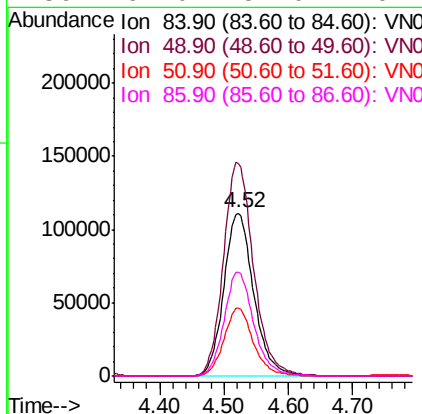
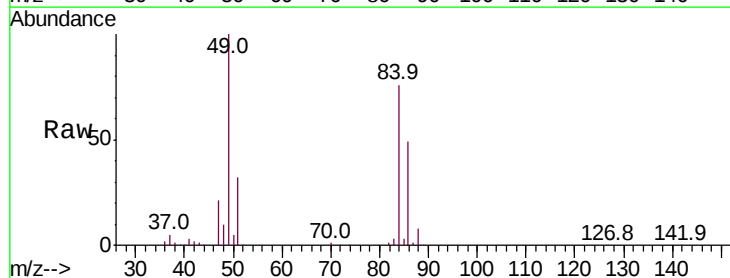
Delta R.T. -0.00 min

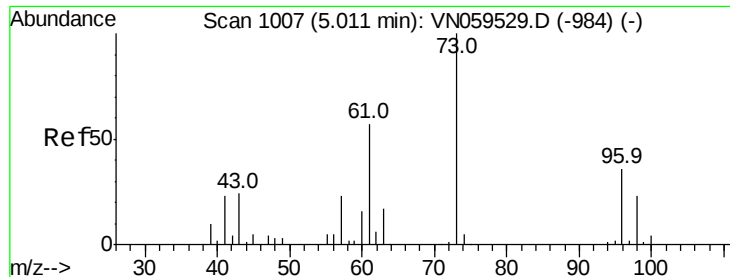
Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Tgt Ion: 84 Resp: 357311

Ion	Ratio	Lower	Upper
84	100		
49	131.0	105.8	158.8
51	41.4	33.7	50.5
86	64.0	51.0	76.4





#21

trans-1,2-Dichloroethene

Concen: 108.282 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

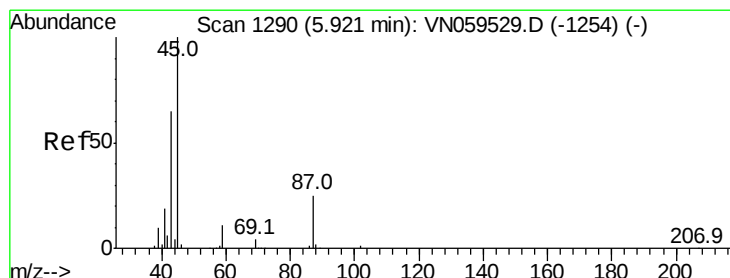
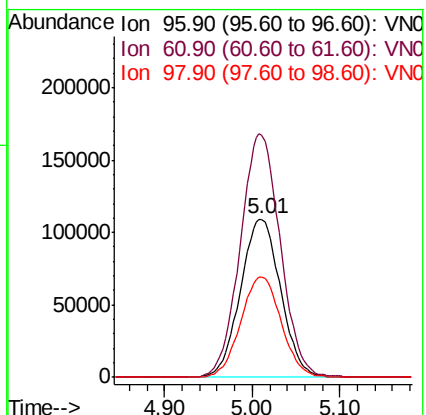
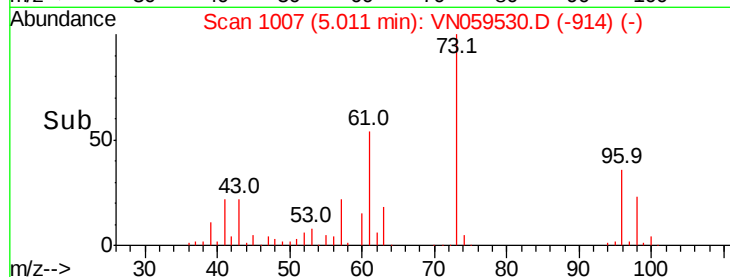
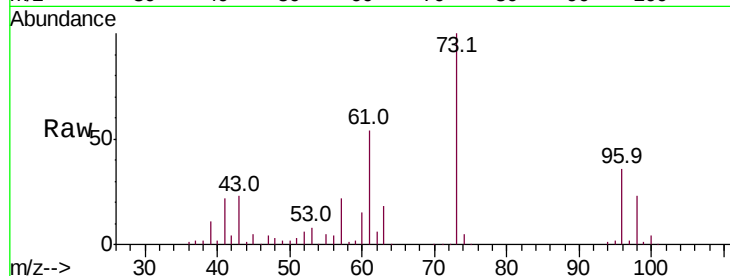
Tot Ion: 96 Resp: 347933

Ion Ratio Lower Upper

96 100

61 153.0 124.8 187.2

98 63.8 51.0 76.4



#22

Diisopropyl ether

Concen: 118.166 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Tgt Ion: 45 Resp: 1249480

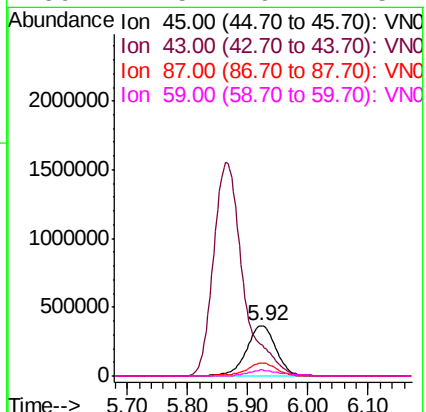
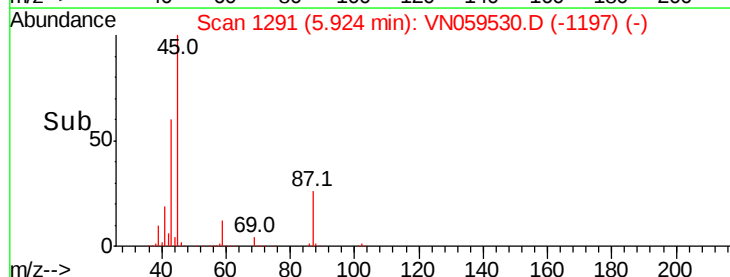
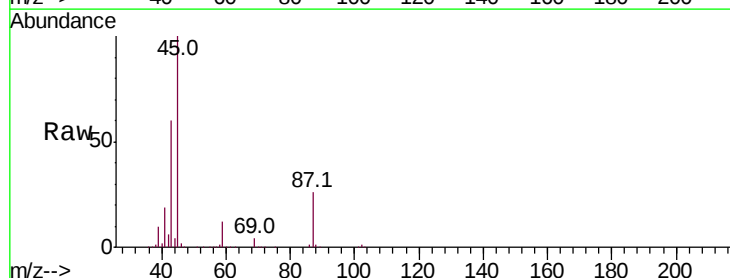
Ion Ratio Lower Upper

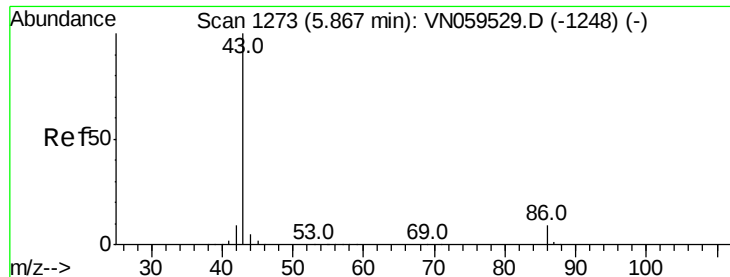
45 100

43 59.8 52.8 79.2

87 26.2 20.2 30.4

59 11.5 9.1 13.7





#23

Vinyl Acetate

Concen: 619.335 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

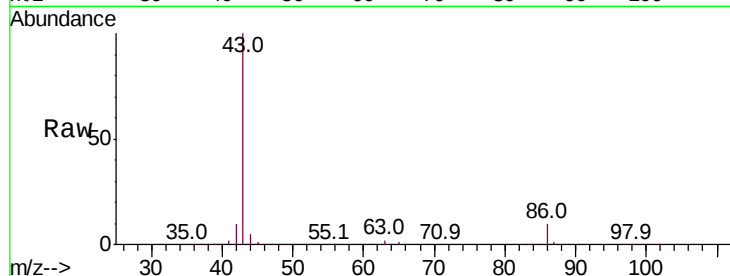
ClientSampleId :

Tot Ion: 43 Resp: 5279607

Ion Ratio Lower Upper

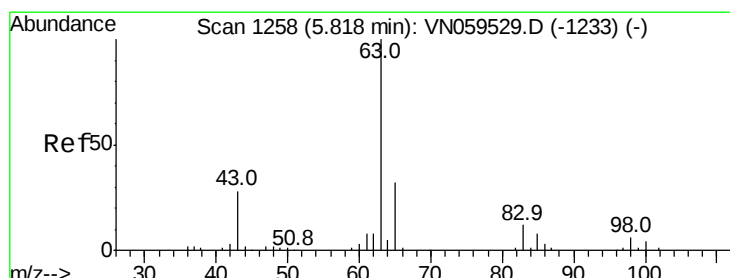
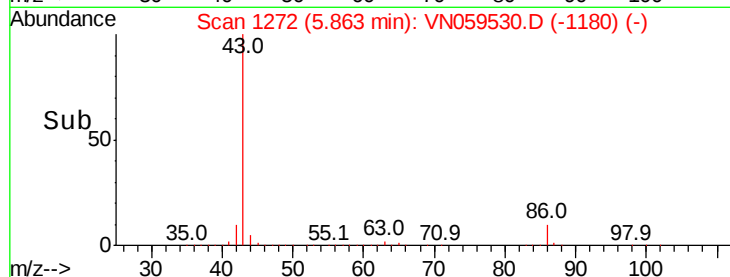
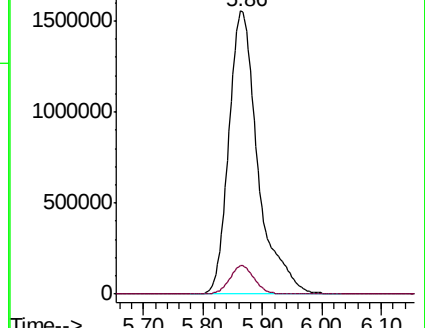
43 100

86 9.9 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN059530.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059530.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 114.073 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

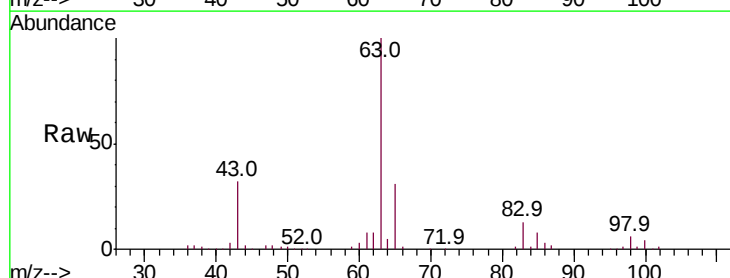
Tgt Ion: 63 Resp: 684183

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

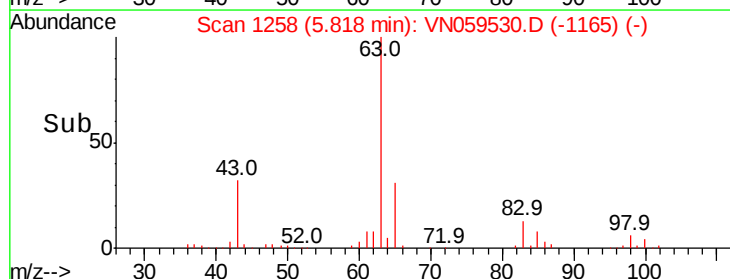
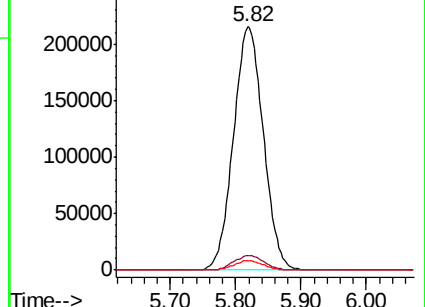
100 3.7 1.8 5.3

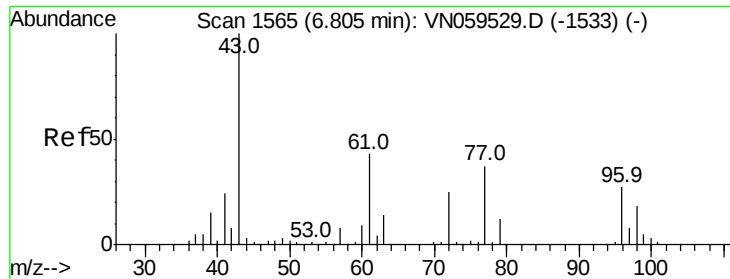


Abundance Ion 62.90 (62.60 to 63.60): VN059530.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059530.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059530.D (-1165) (-)





#25

2-Butanone

Concen: 550.653 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

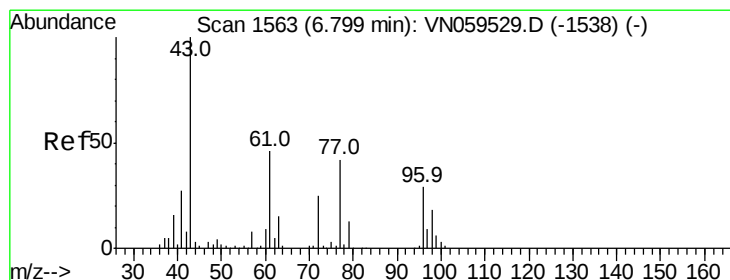
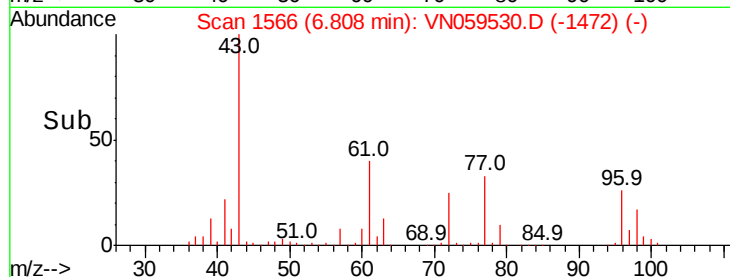
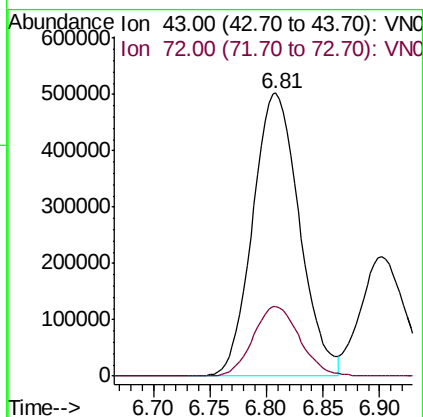
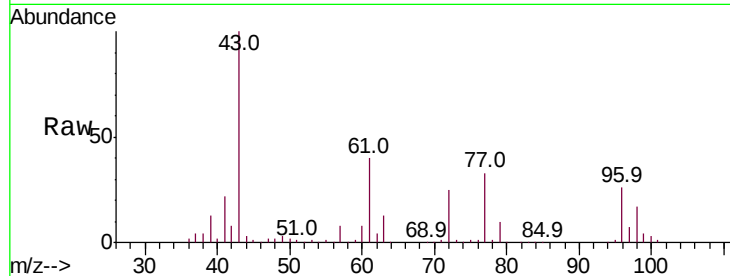
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1440589

Ion Ratio Lower Upper

43 100

72 24.7 19.9 29.9



#26

2,2-Dichloropropane

Concen: 116.799 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059530.D

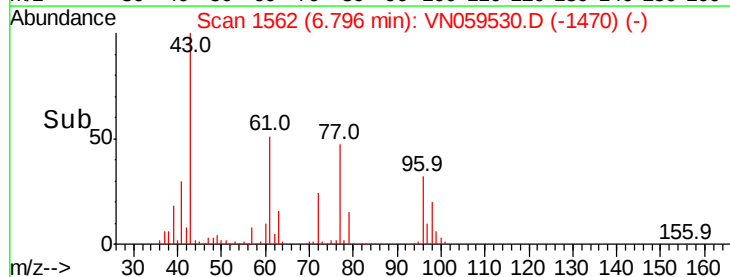
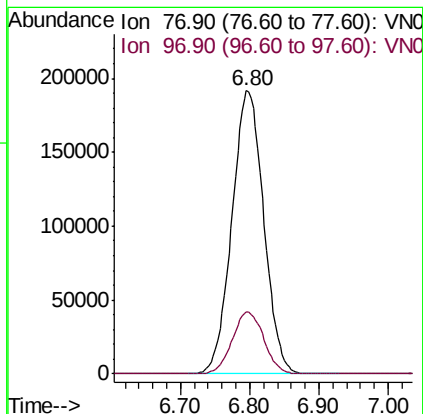
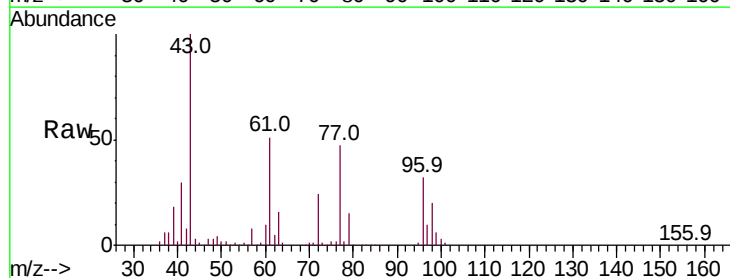
Acq: 9 Dec 2019 16:14

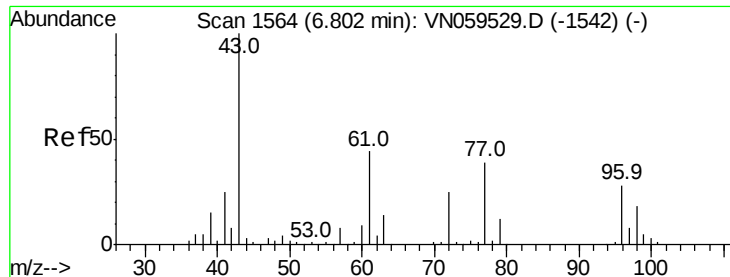
Tgt Ion: 77 Resp: 611692

Ion Ratio Lower Upper

77 100

97 21.8 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 110.460 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :

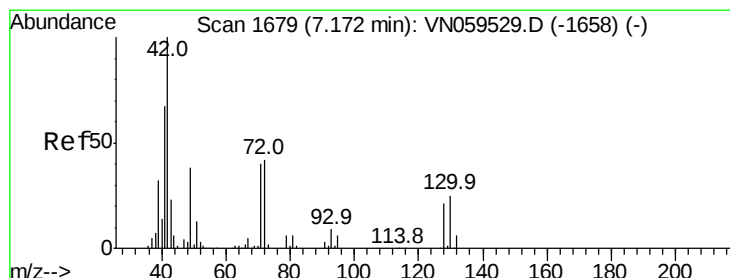
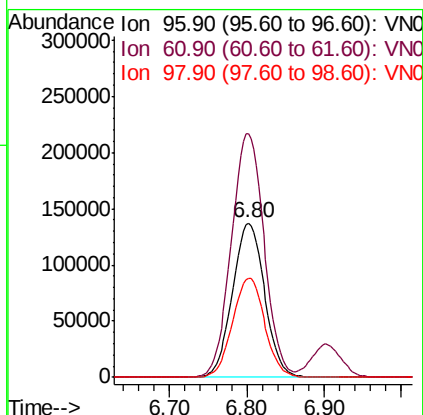
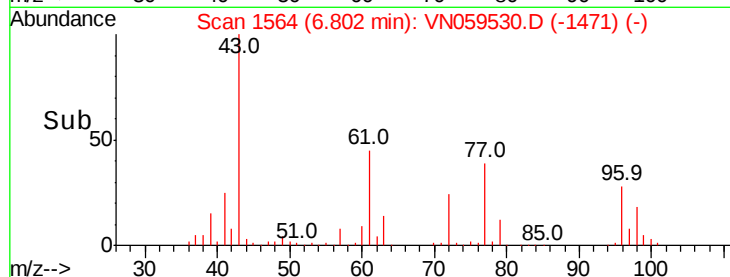
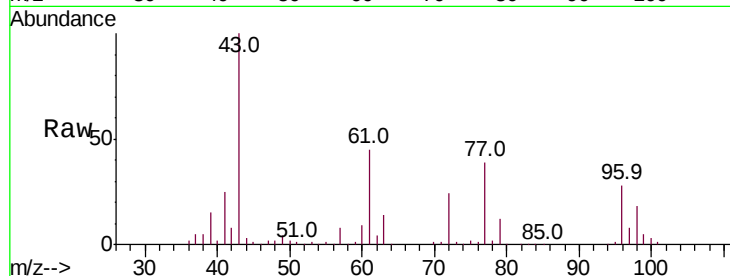
Tot Ion: 96 Resp: 394991

Ion Ratio Lower Upper

96 100

61 161.5 0.0 320.0

98 64.5 0.0 128.6



#28

Bromochloromethane

Concen: 120.353 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

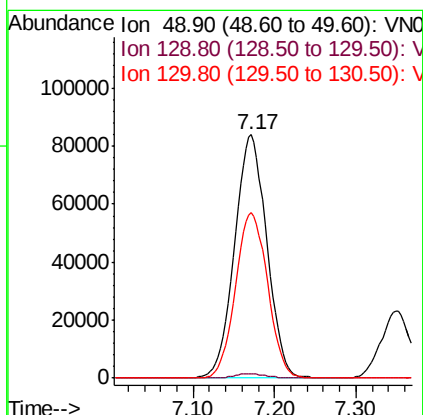
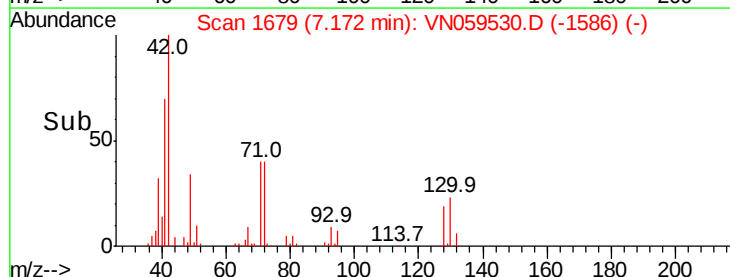
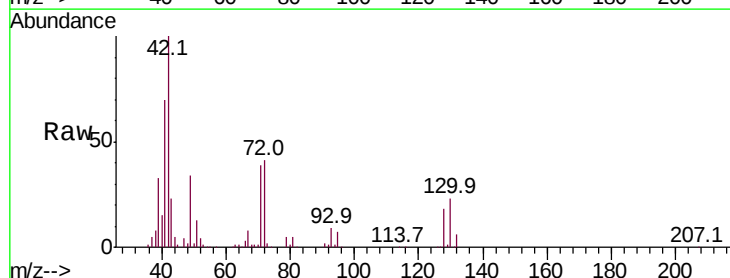
Tgt Ion: 49 Resp: 230006

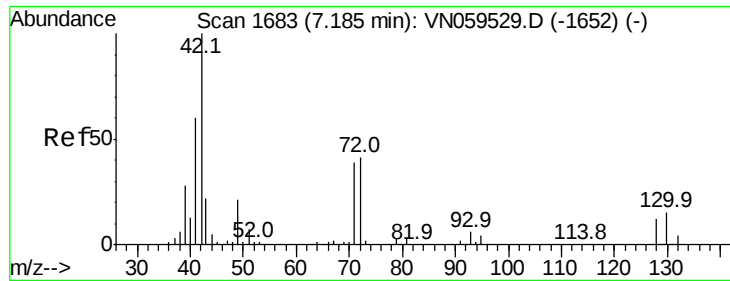
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.0

130 67.7 54.2 81.2

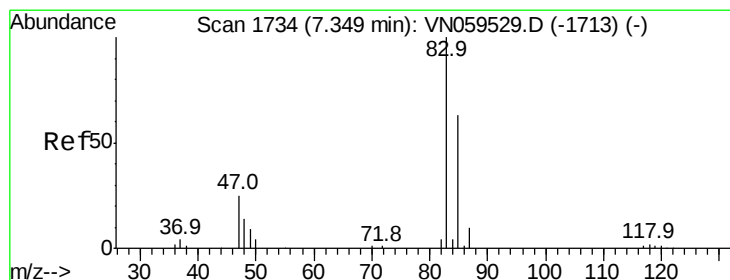
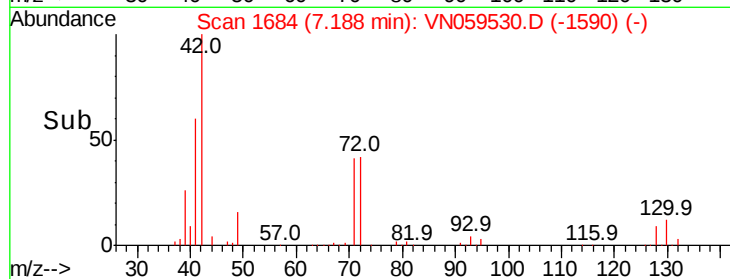
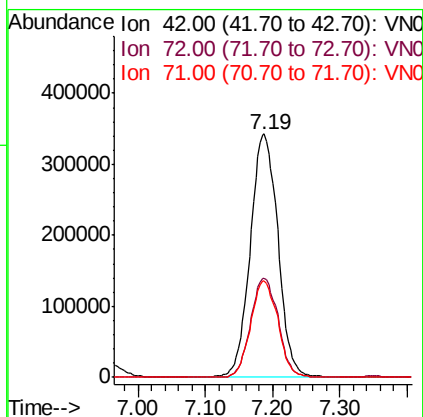
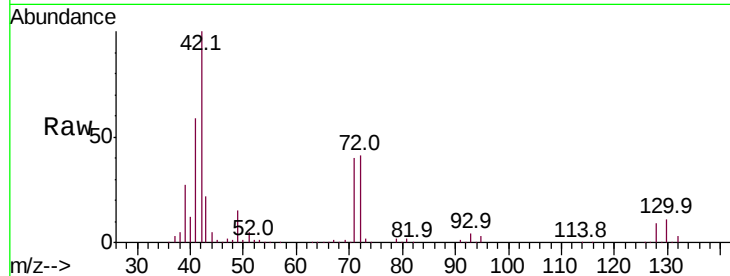




#29
Tetrahydrofuran
Concen: 590.992 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

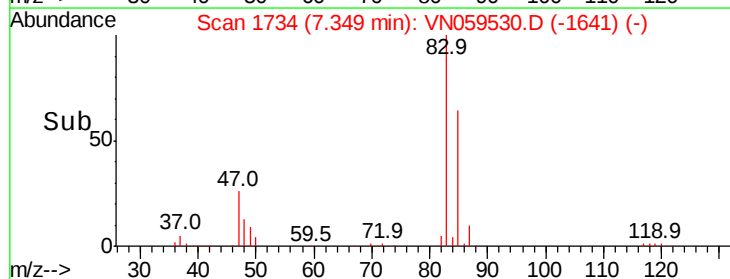
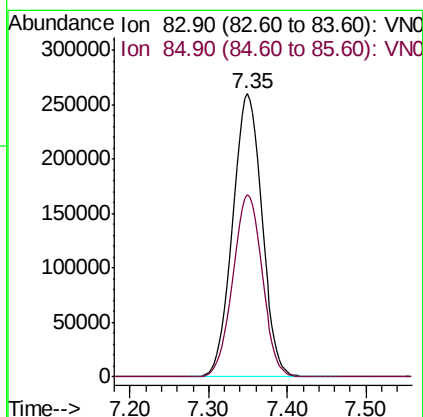
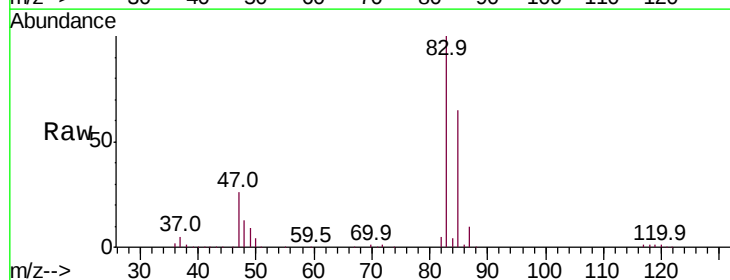
Instrument :
MSVOA_N
ClientSampled :

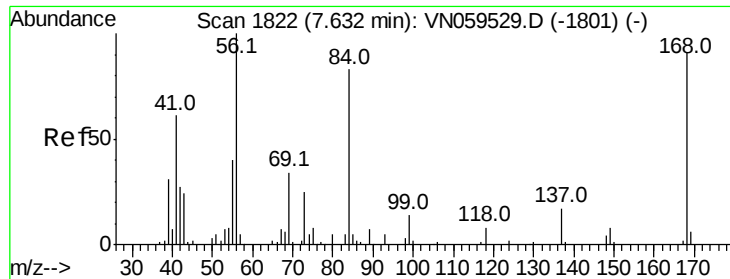
Tot Ion: 42 Resp: 976860
Ion Ratio Lower Upper
42 100
72 40.7 32.7 49.1
71 39.1 31.4 47.2



#30
Chloroform
Concen: 115.671 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 83 Resp: 675048
Ion Ratio Lower Upper
83 100
85 64.5 50.6 75.8

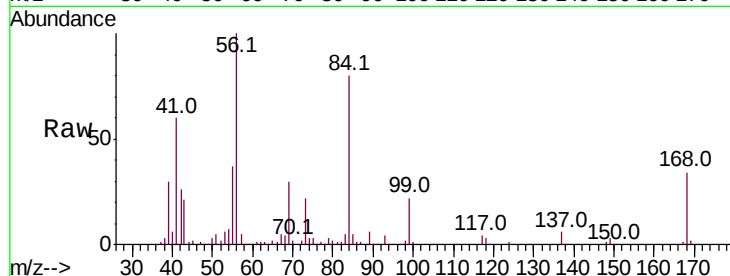




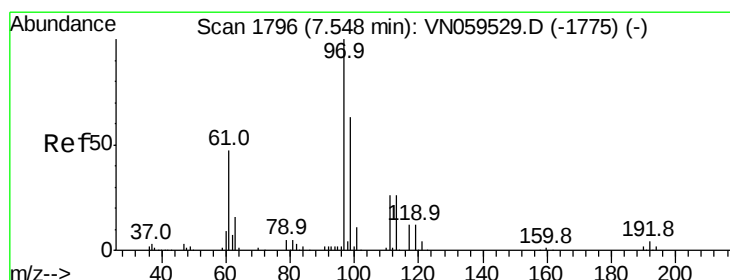
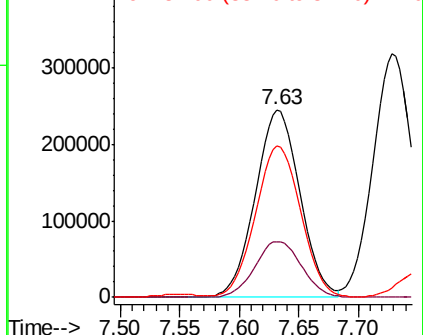
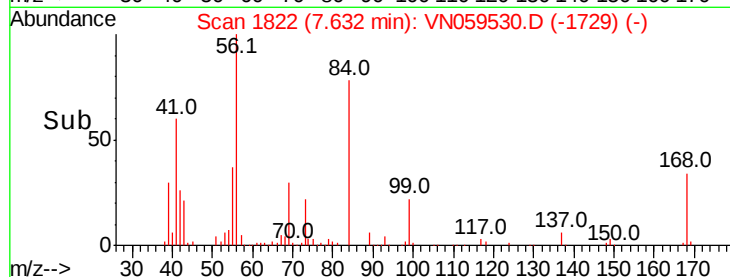
#31
Cyclohexane
Concen: 110.429 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 637625
Ion Ratio Lower Upper
56 100
69 29.8 26.9 40.3
84 79.1 66.5 99.7

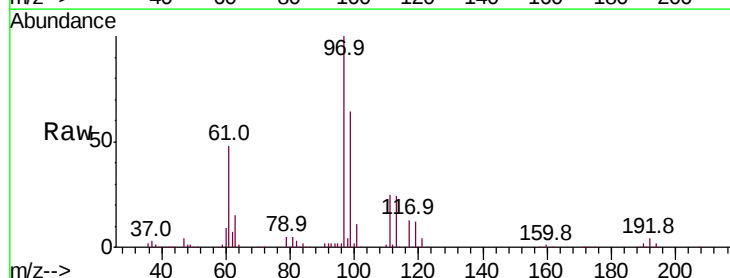


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

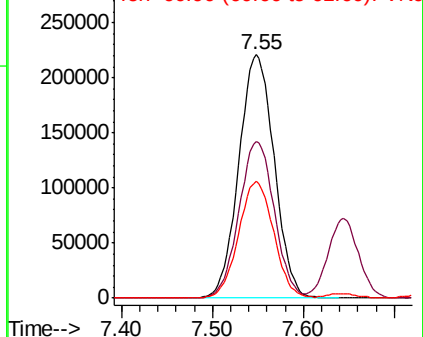
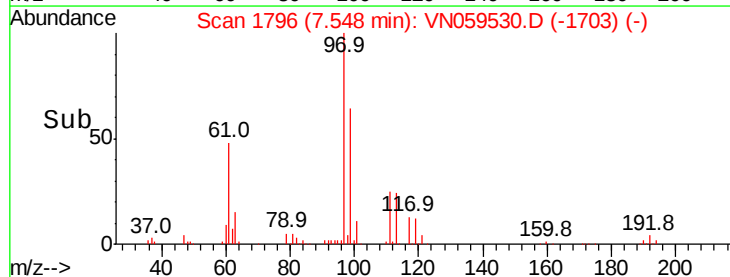


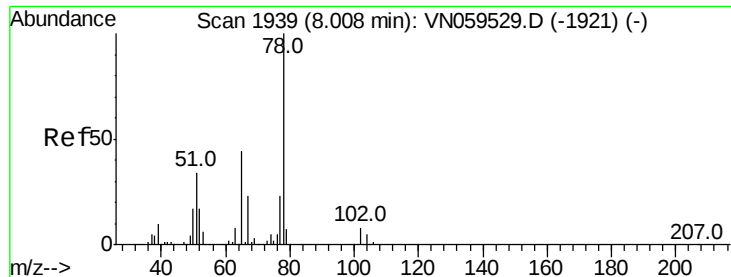
#32
1,1,1-Trichloroethane
Concen: 117.285 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 97 Resp: 596852
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 47.5 38.5 57.7



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

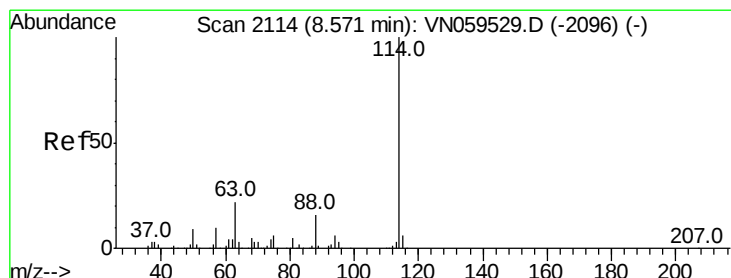
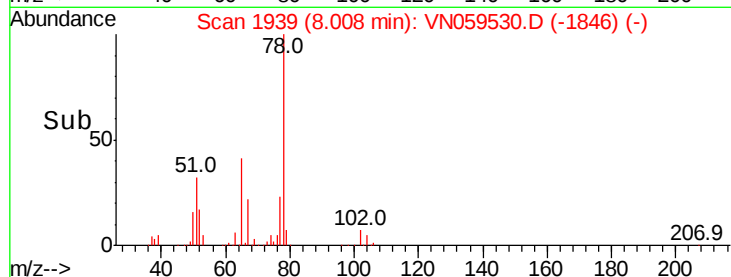
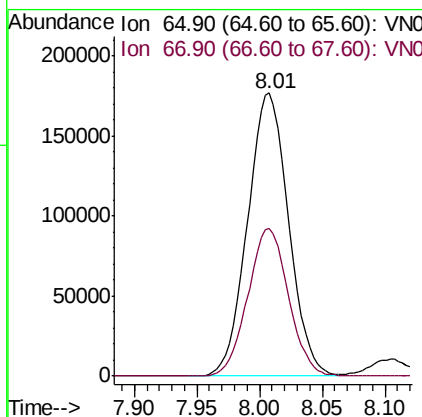
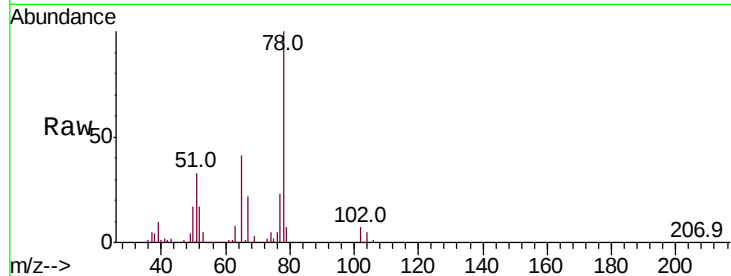




#33
 1,2-Dichloroethane-d4
 Concen: 114.418 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

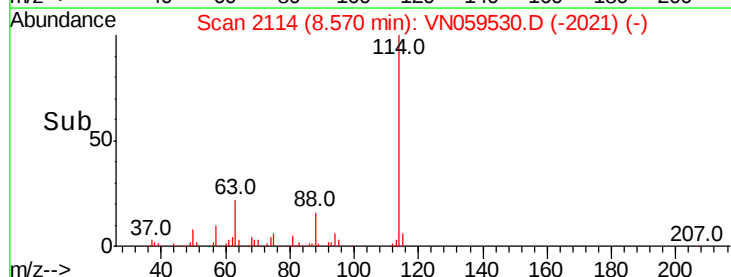
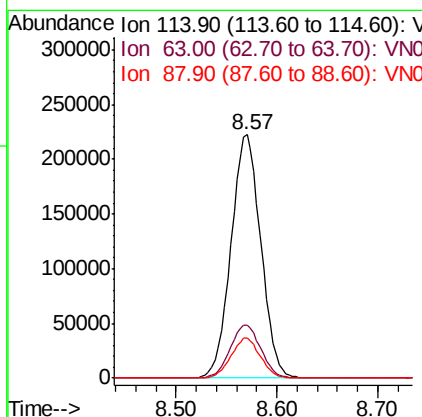
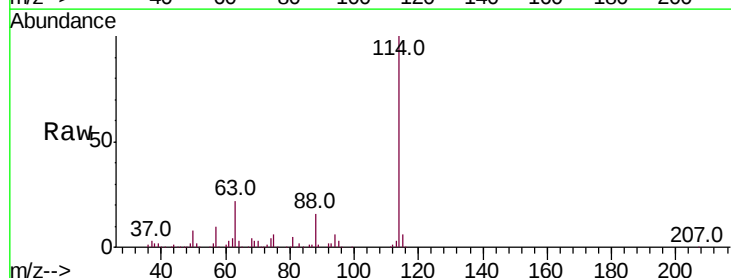
Instrument :
 MSVOA_N
 ClientSampleId :

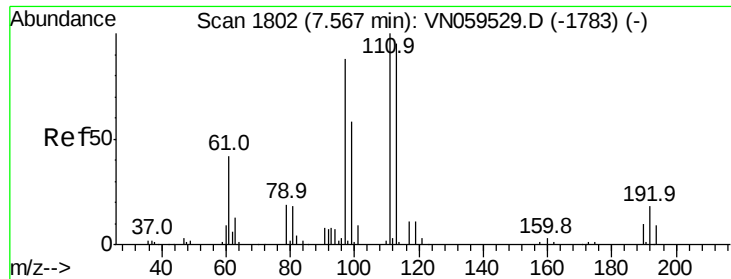
Tot Ion: 65 Resp: 402634
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion: 114 Resp: 456753
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 45.0
 88 16.5 0.0 32.2

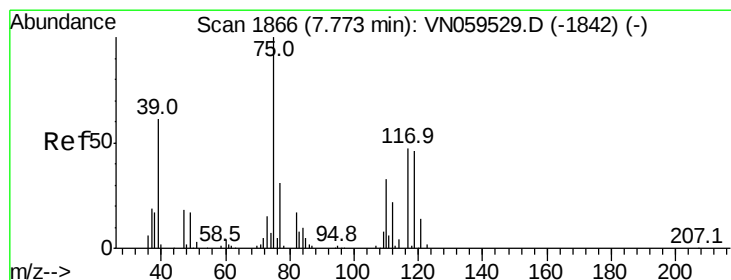
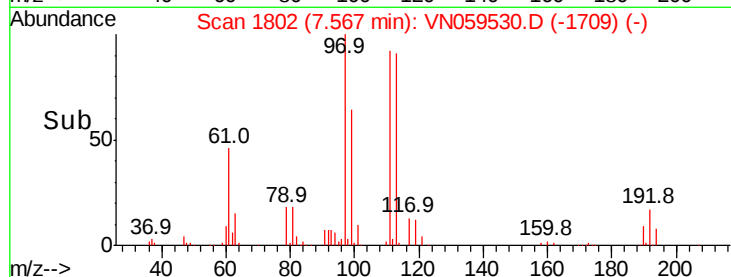
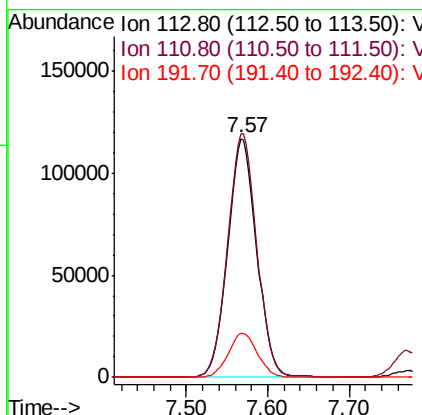
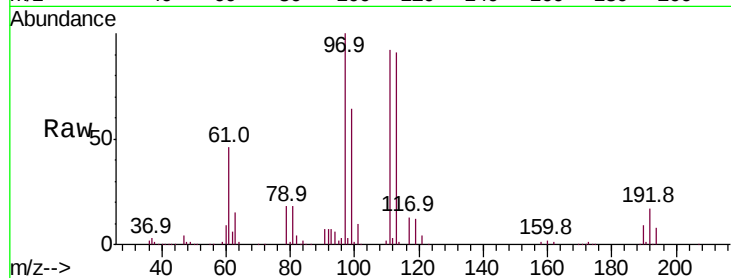




#35
Dibromofluoromethane
Concen: 104.568 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

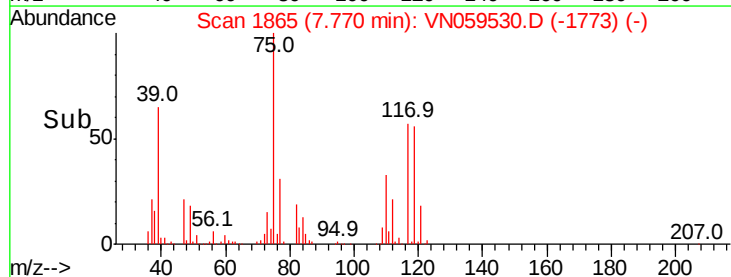
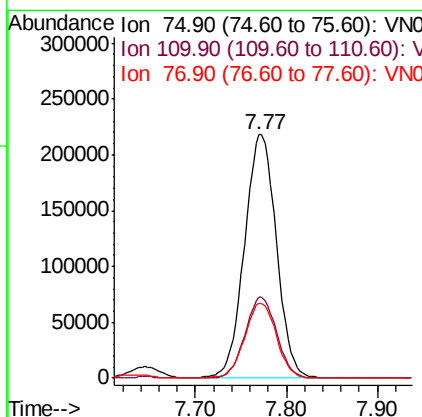
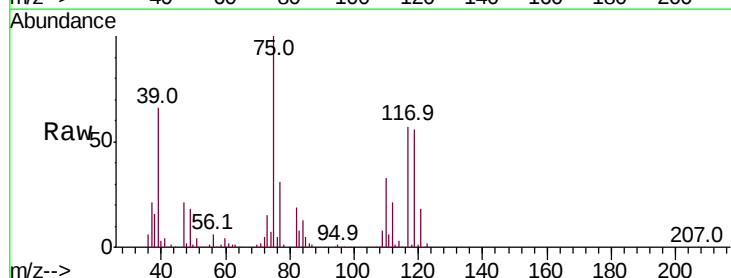
Instrument :
MSVOA_N
ClientSampleId :

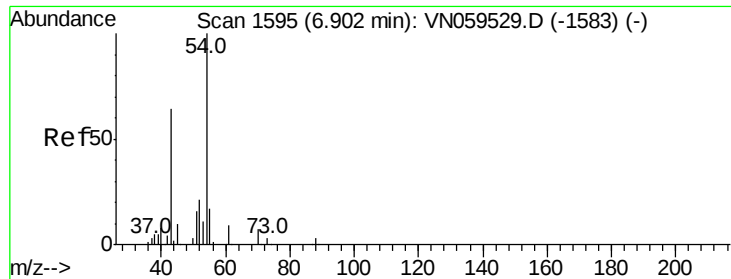
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	18.7	14.8	22.2



#36
1,1-Dichloropropene
Concen: 113.722 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.7	50.0
77	31.0	24.6	37.0

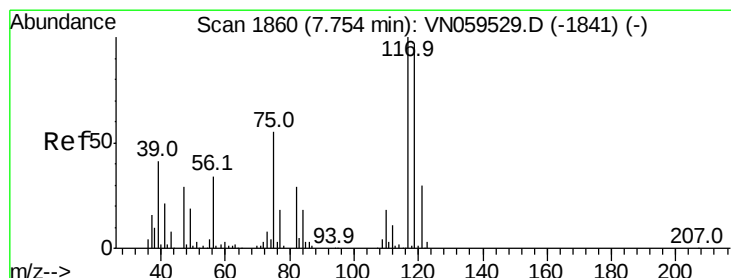
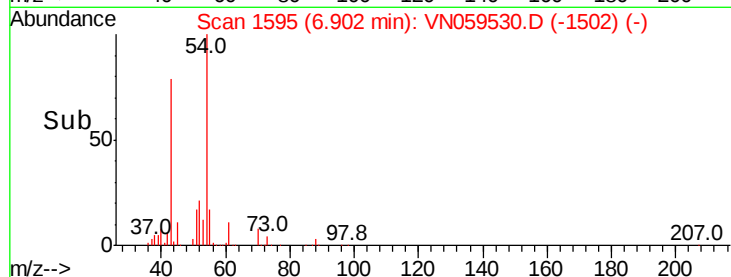
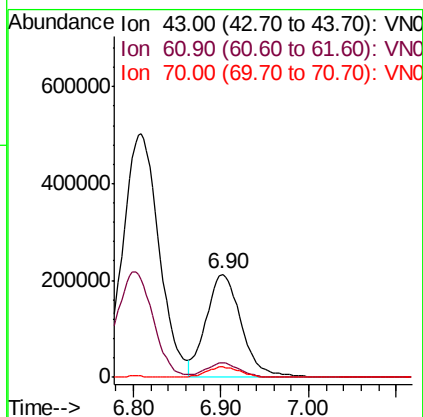
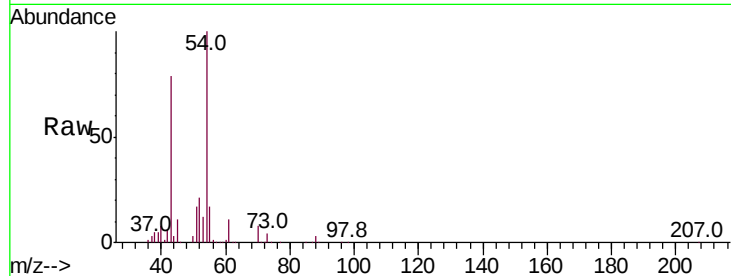




#37
Ethyl Acetate
Concen: 113.552 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

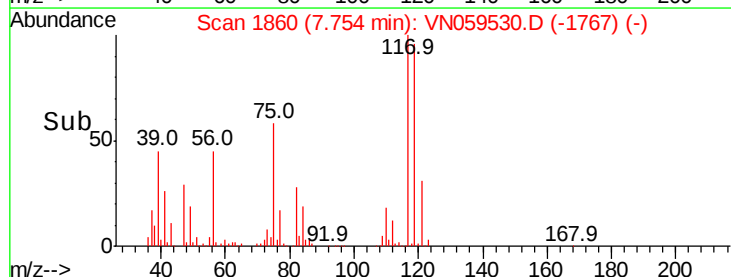
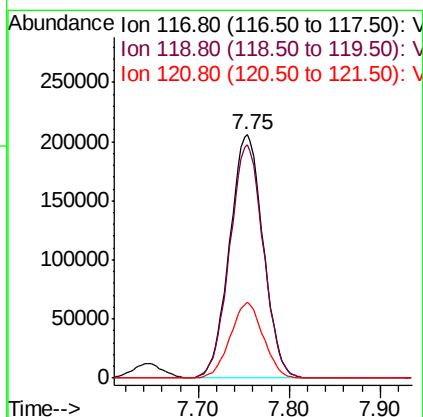
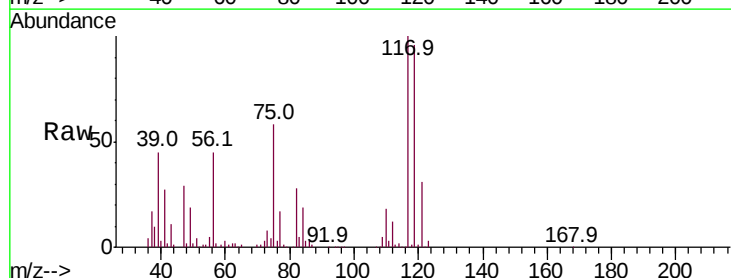
Instrument :
MSVOA_N
ClientSampleId :

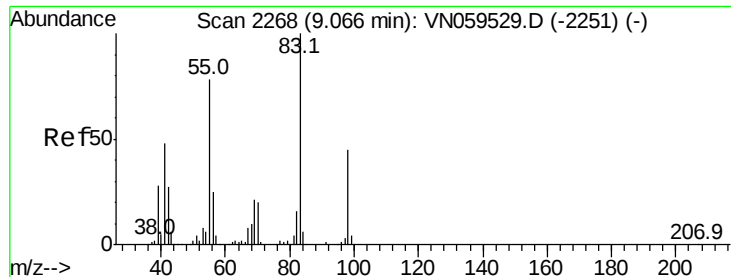
Tot Ion: 43 Resp: 590620
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.6
70 9.7 7.7 11.5



#38
Carbon Tetrachloride
Concen: 117.202 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 117 Resp: 527207
Ion Ratio Lower Upper
117 100
119 96.1 77.0 115.4
121 31.0 24.1 36.1

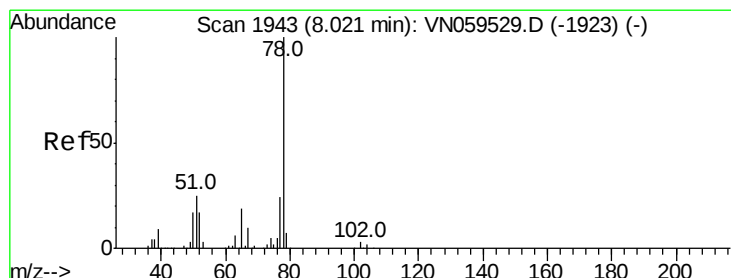
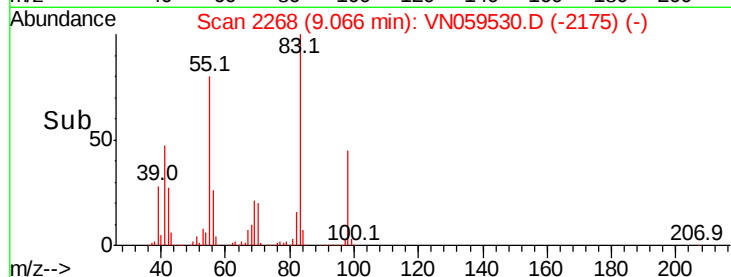
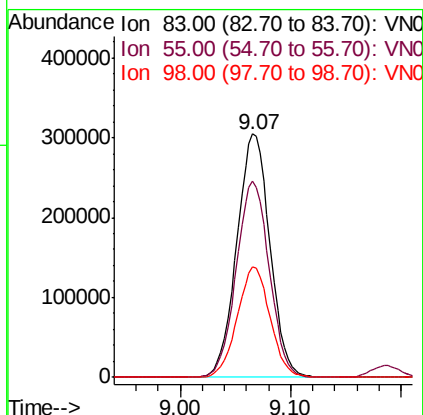
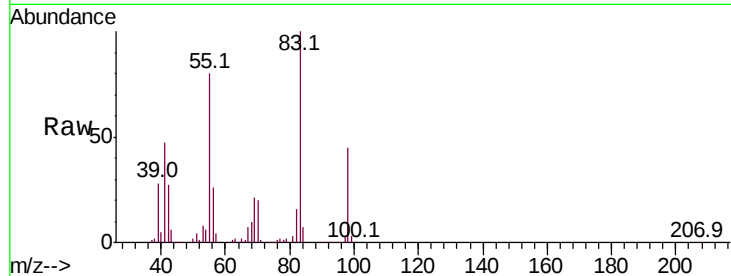




#39
Methvlcvclohexane
Concen: 113.824 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

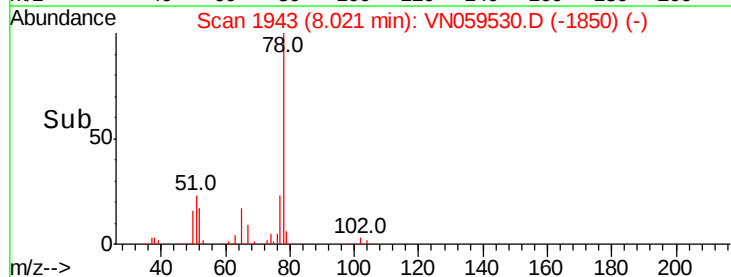
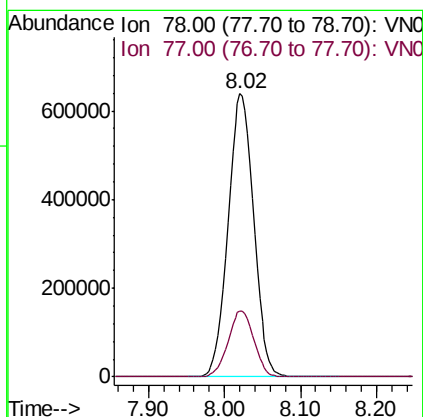
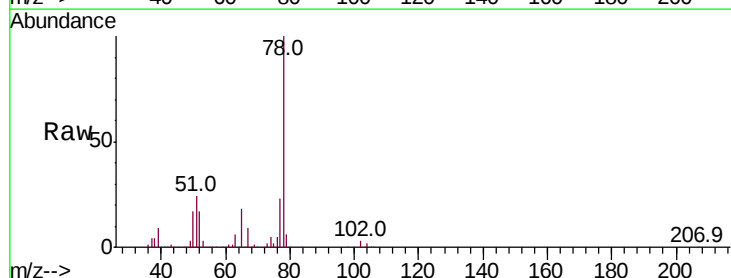
Instrument :
MSVOA_N
ClientSampleId :

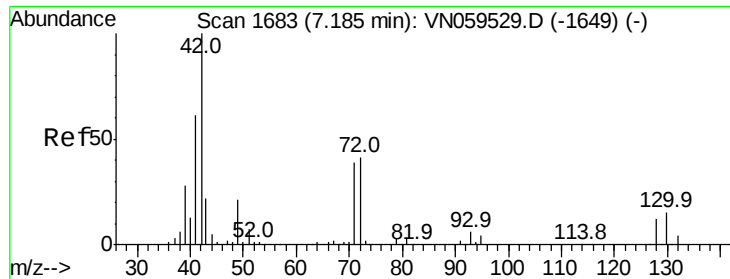
Tot Ion: 83 Resp: 632523
Ion Ratio Lower Upper
83 100
55 80.4 62.7 94.1
98 45.2 35.7 53.5



#40
Benzene
Concen: 110.387 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 78 Resp: 1498282
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

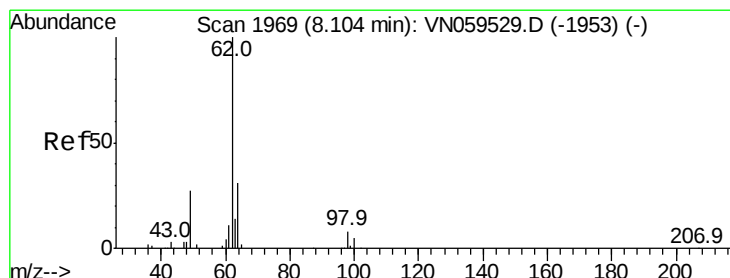
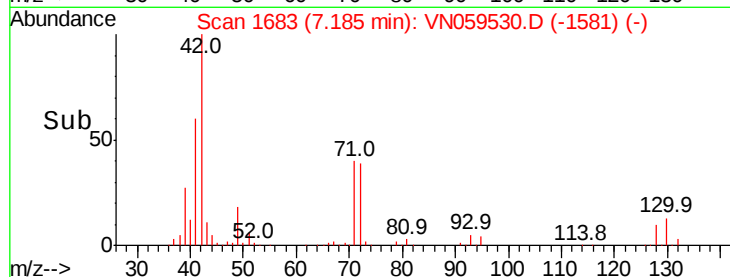
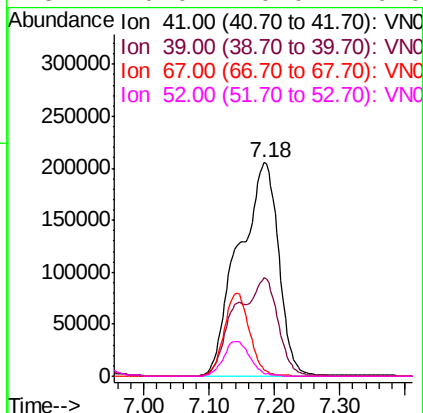
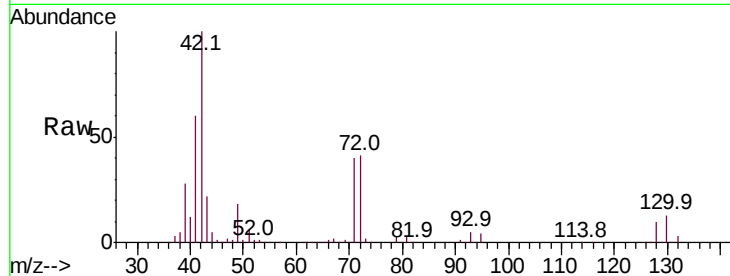




#41
Methacrylonitrile
Concen: 406.746 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

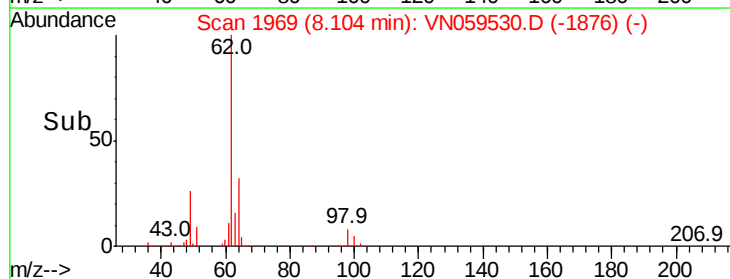
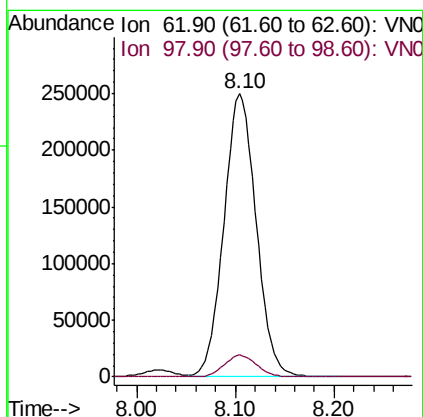
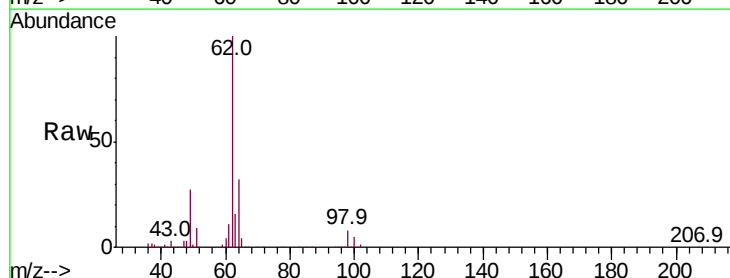
Instrument :
MSVOA_N
ClientSampled :

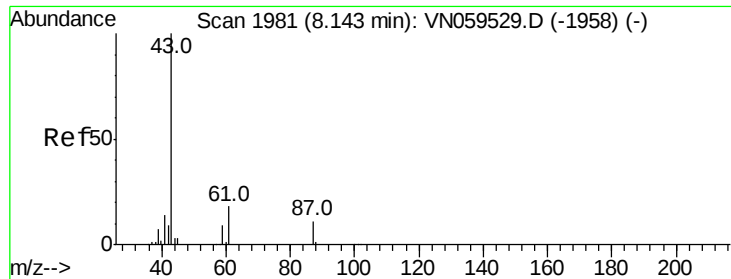
Tot Ion:	41	Resp:	872544
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 120.974 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion:	62	Resp:	570205
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.4





#43

Isopropyl Acetate

Concen: 124.396 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

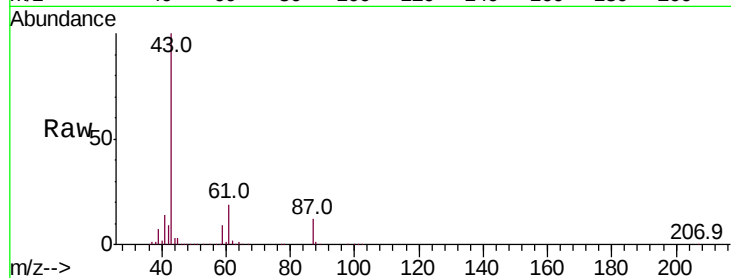
Tot Ion: 43 Resp: 968161

Ion Ratio Lower Upper

43 100

61 24.8 19.8 29.6

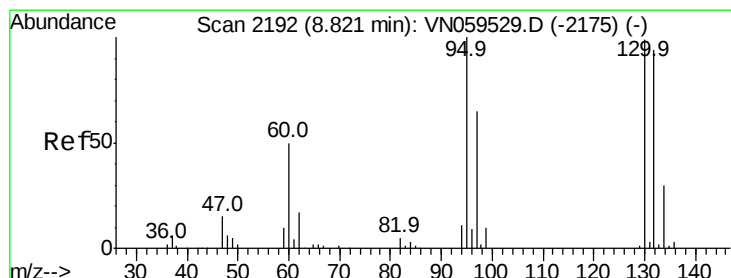
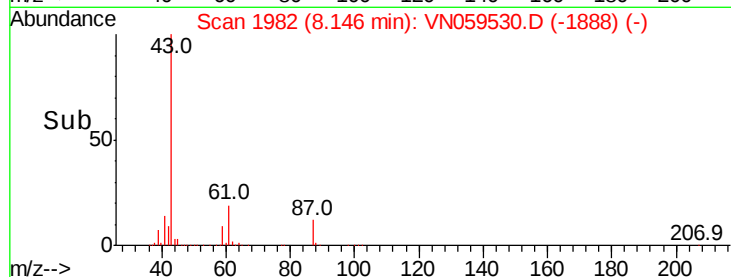
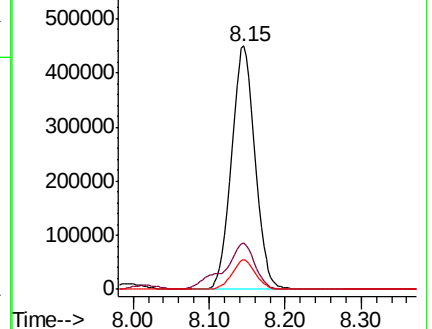
87 12.0 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN059529.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN059529.D (-1958) (-)



#44

Trichloroethene

Concen: 107.105 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN059530.D

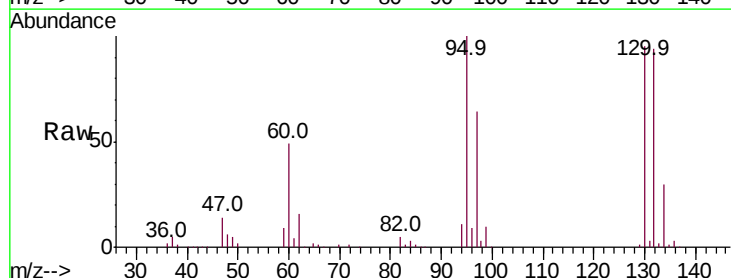
Acq: 9 Dec 2019 16:14

Tgt Ion:130 Resp: 379136

Ion Ratio Lower Upper

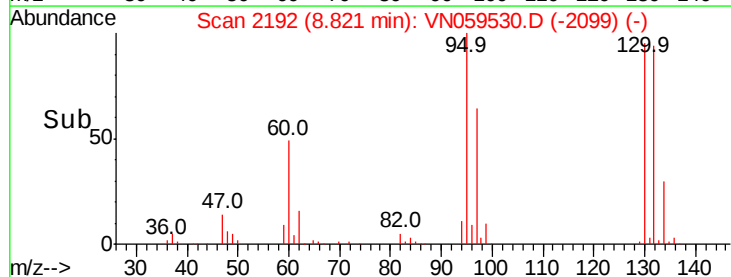
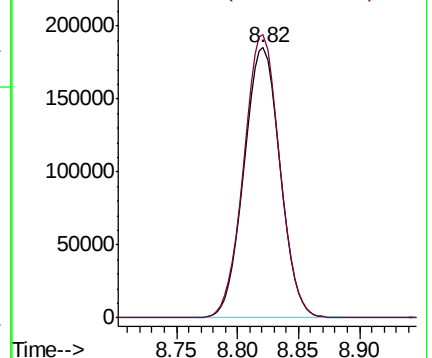
130 100

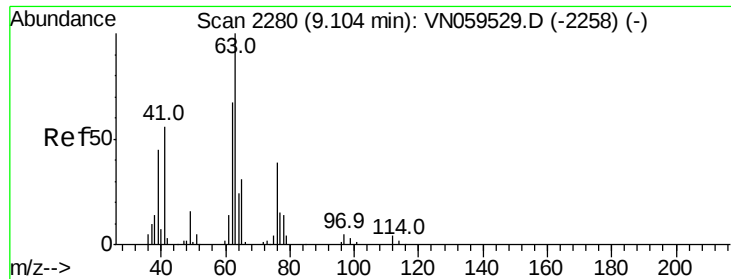
95 104.8 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VN059529.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059529.D (-2175) (-)

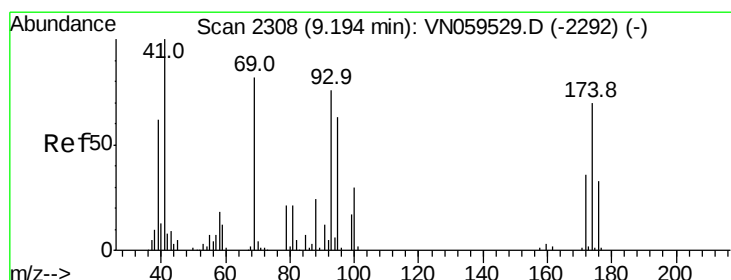
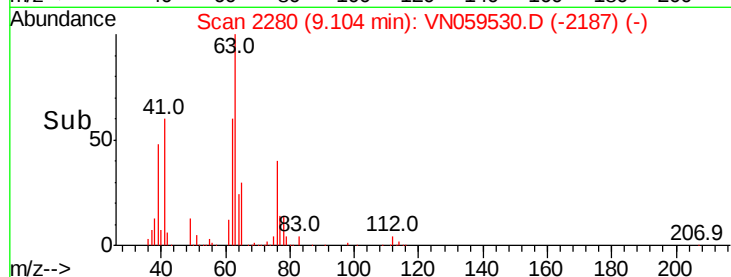
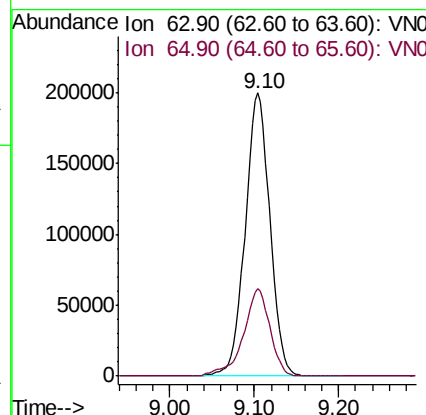
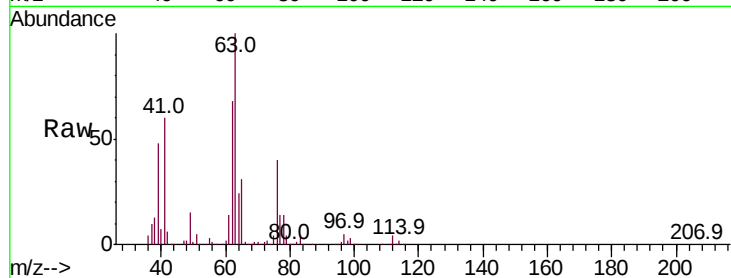




#45
 1,2-Dichloropropane
 Concen: 112.220 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

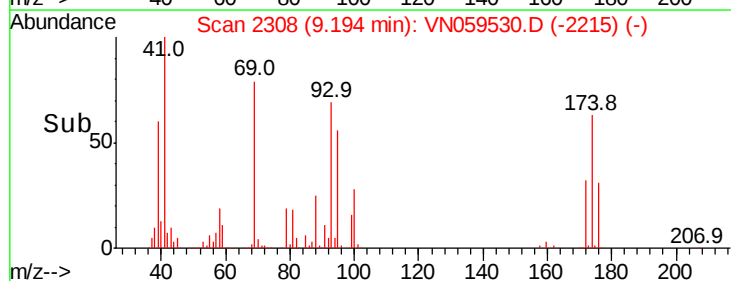
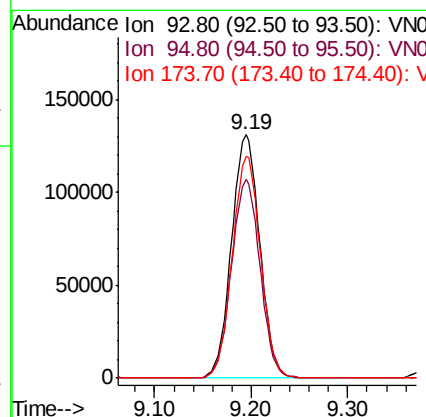
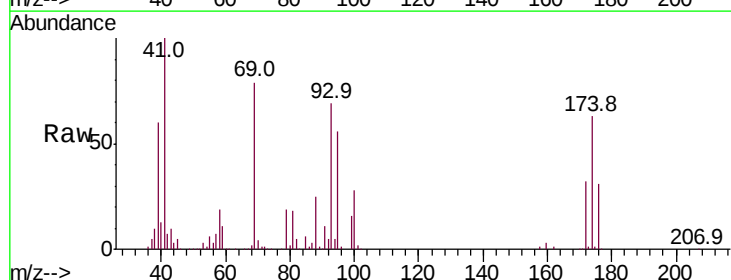
Instrument :
 MSVOA_N
 ClientSampled :

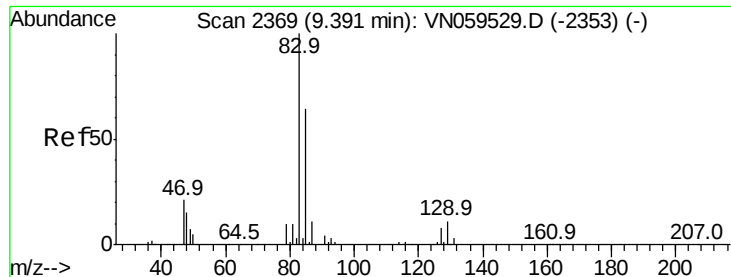
Tot Ion: 63 Resp: 407624
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.8 37.2



#46
 Dibromomethane
 Concen: 116.895 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion: 93 Resp: 265779
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.6
 174 91.0 75.6 113.4





#47

Bromodichloromethane

Concen: 119.552 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

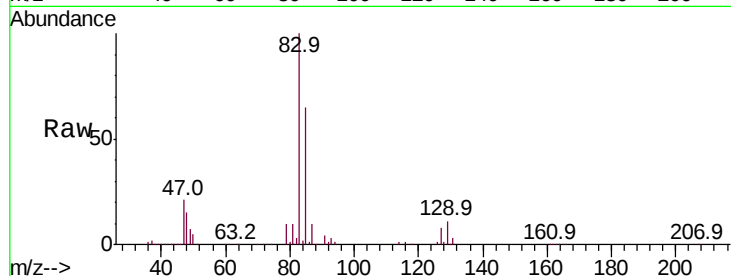
Tot Ion: 83 Resp: 546960

Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.0

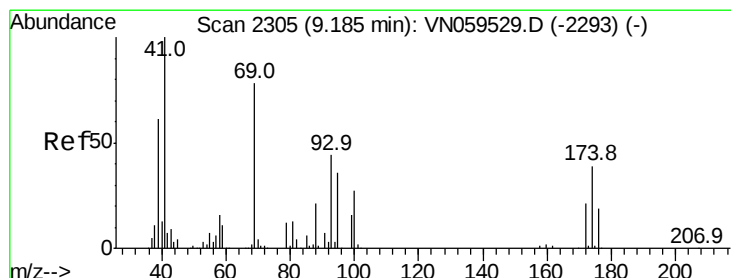
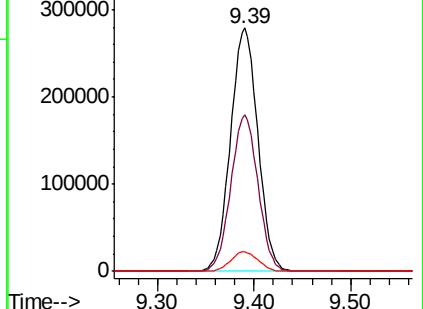
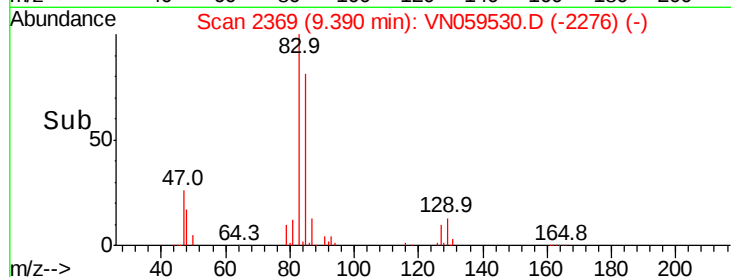
127 8.0 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN059530.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059530.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059530.D (-2276) (-)



#48

Methyl methacrylate

Concen: 125.862 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

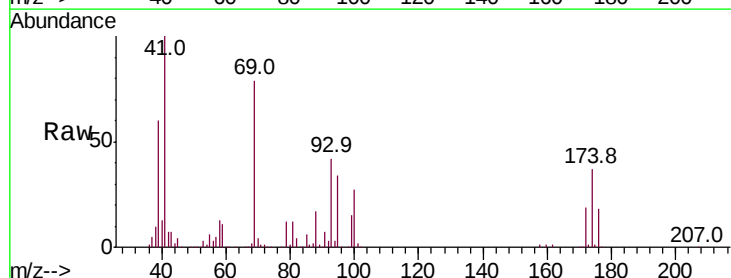
Tgt Ion: 41 Resp: 441149

Ion Ratio Lower Upper

41 100

69 80.2 64.0 96.0

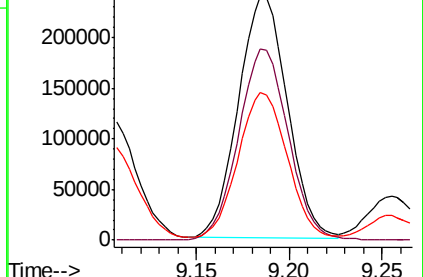
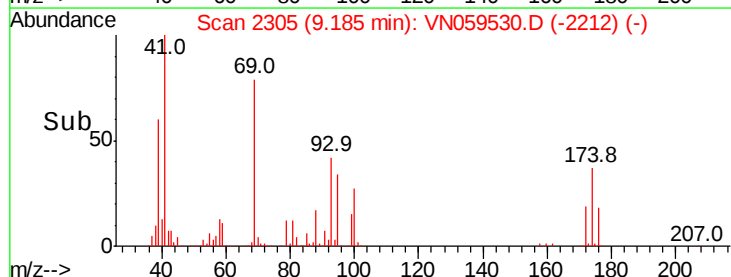
39 61.9 50.0 75.0

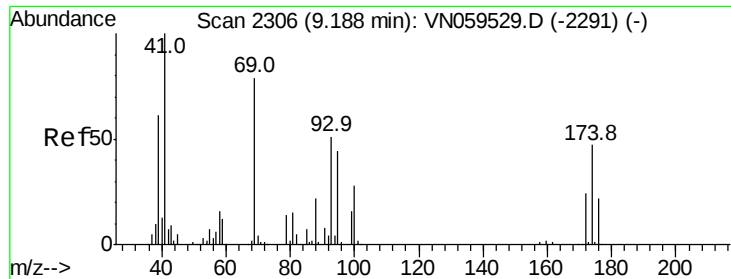


Abundance Ion 41.00 (40.70 to 41.70): VN059530.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059530.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059530.D (-2212) (-)





#49

1,4-Dioxane

Concen: 2041.452 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

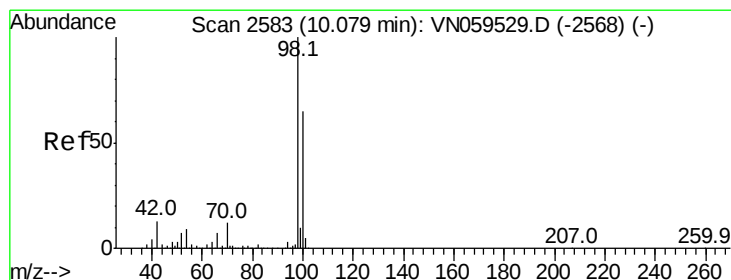
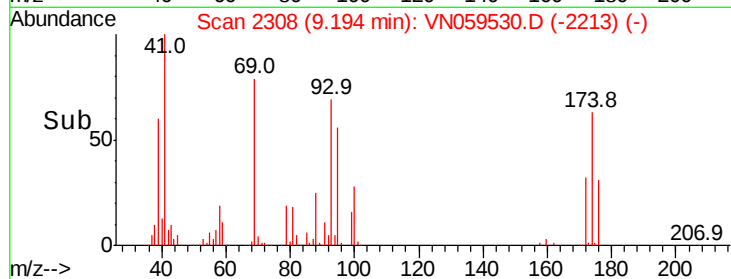
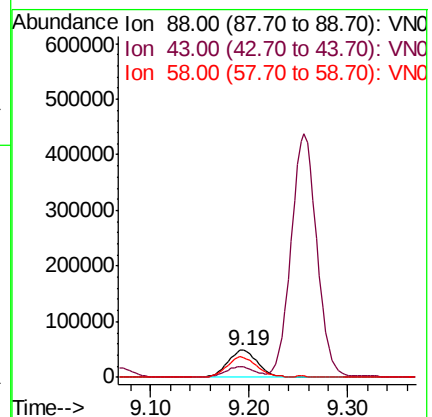
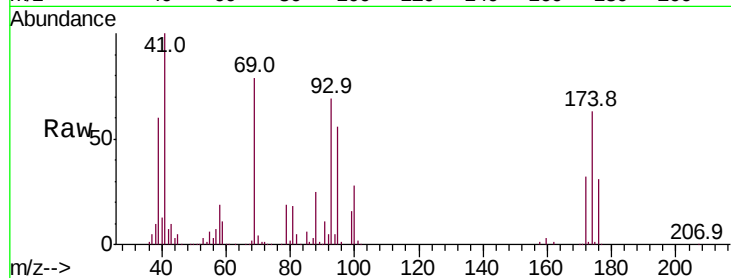
Tot Ion: 88 Resp: 105398

Ion Ratio Lower Upper

88 100

43 38.2 31.4 47.0

58 74.7 61.0 91.6



#50

Toluene-d8

Concen: 104.740 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059530.D

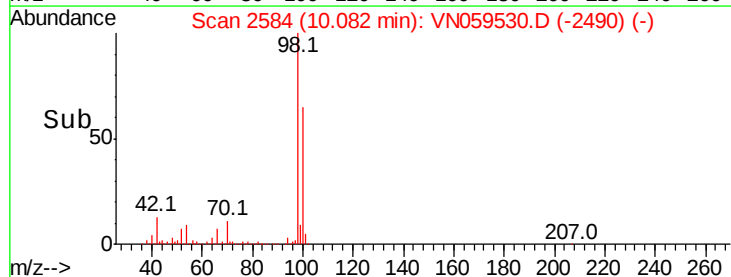
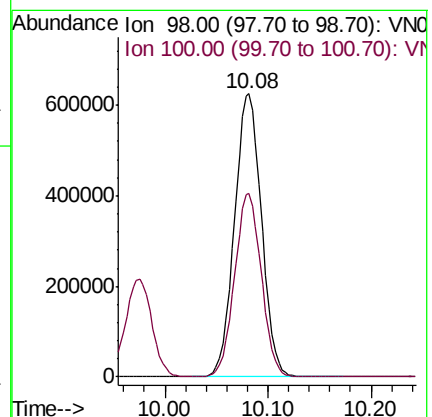
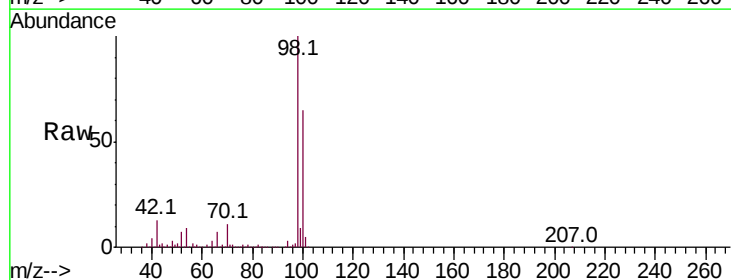
Acq: 9 Dec 2019 16:14

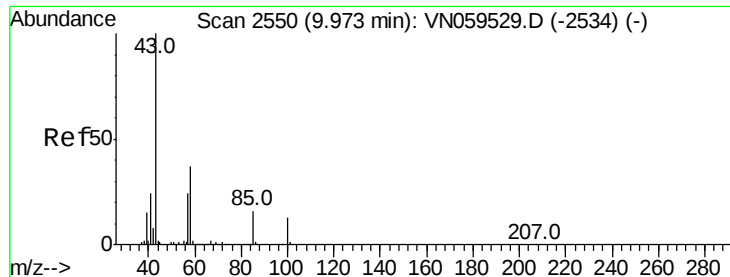
Tgt Ion: 98 Resp: 1138628

Ion Ratio Lower Upper

98 100

100 64.4 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 608.189 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

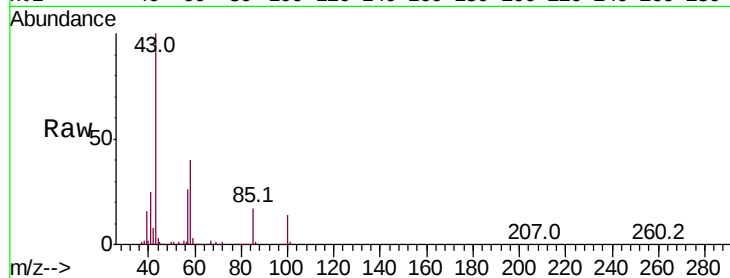
ClientSampleId :

Tot Ion: 43 Resp: 2803880

Ion Ratio Lower Upper

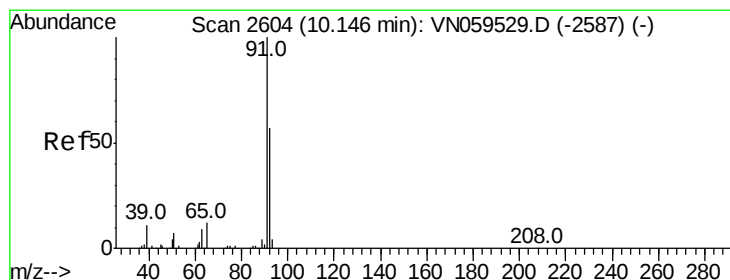
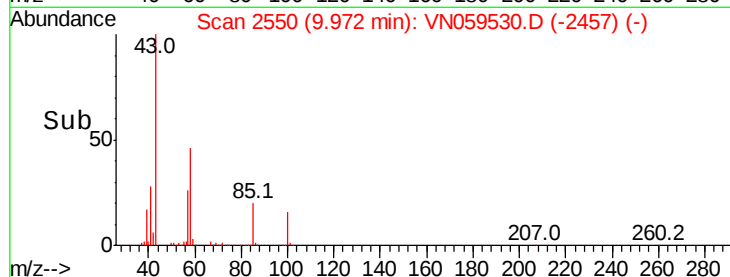
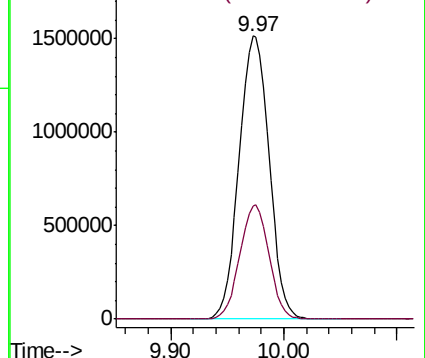
43 100

58 39.2 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 113.527 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059530.D

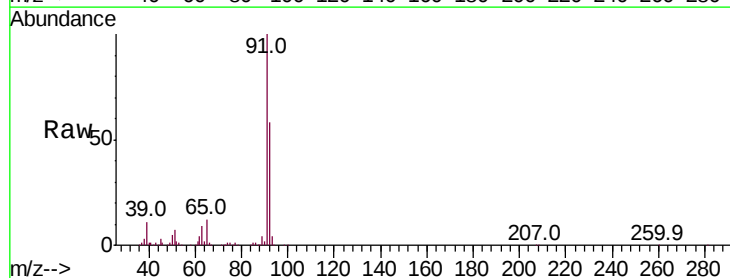
Acq: 9 Dec 2019 16:14

Tgt Ion: 92 Resp: 929632

Ion Ratio Lower Upper

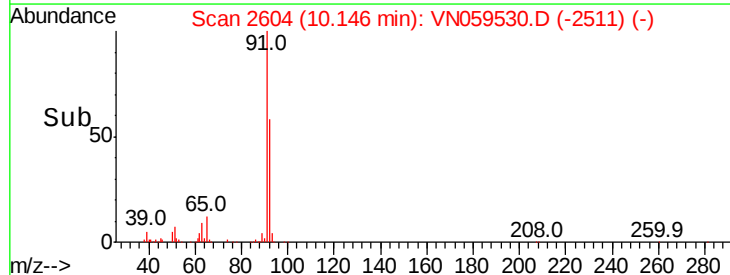
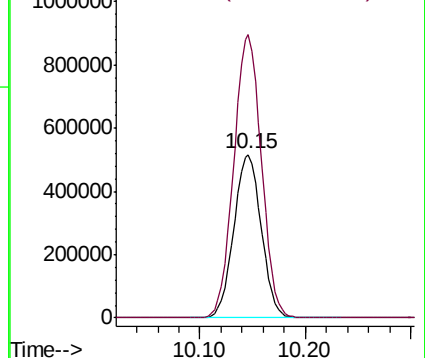
92 100

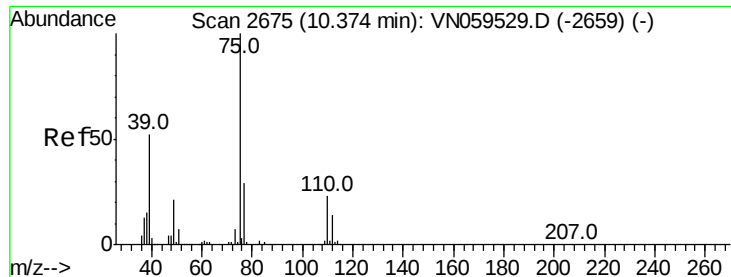
91 174.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 119.483 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

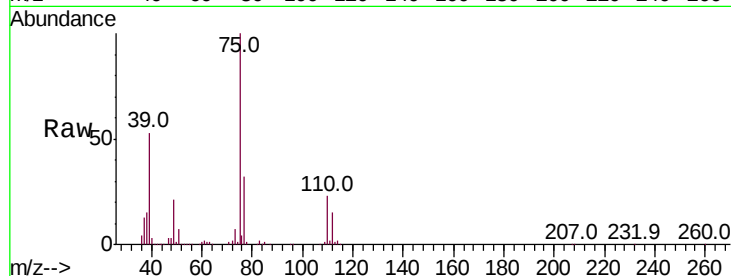
ClientSampled :

Tot Ion: 75 Resp: 641060

Ion Ratio Lower Upper

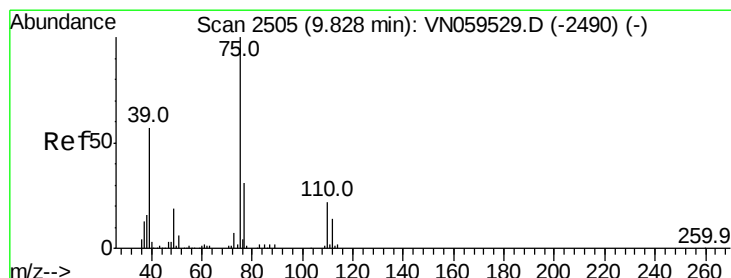
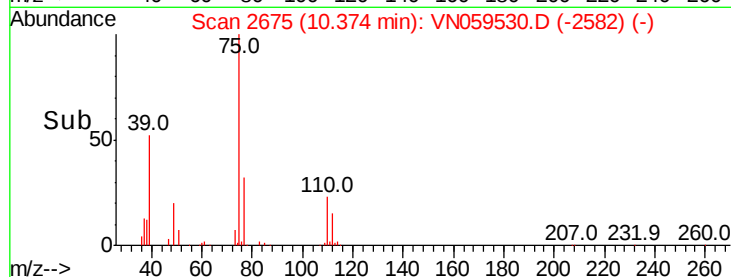
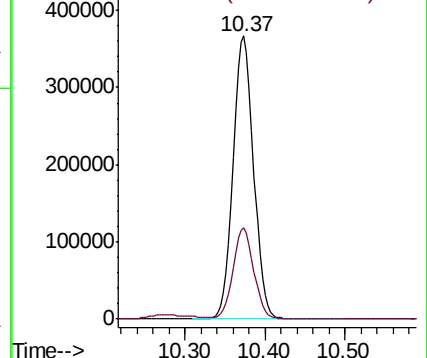
75 100

77 32.1 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 116.934 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

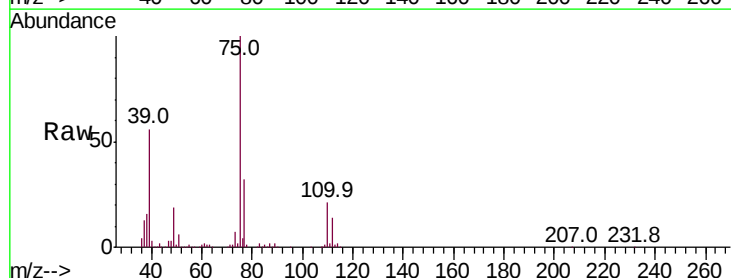
Tgt Ion: 75 Resp: 661881

Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

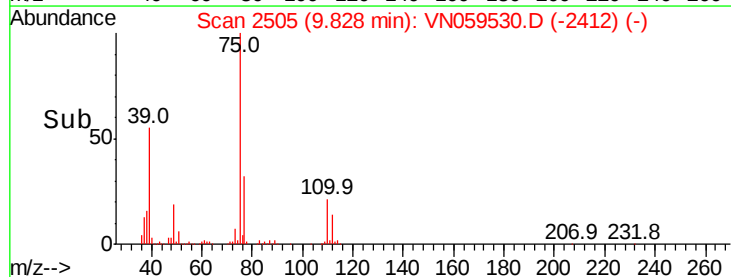
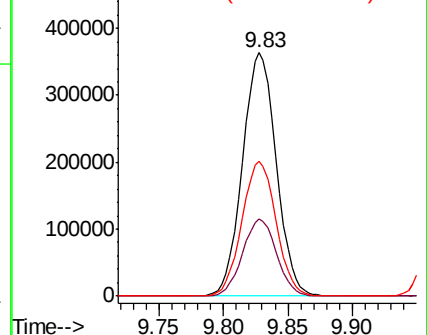
39 55.4 45.6 68.4

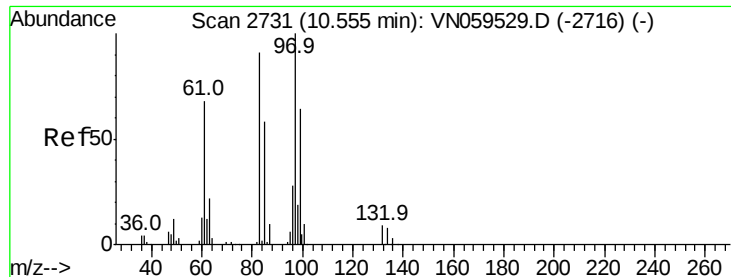


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

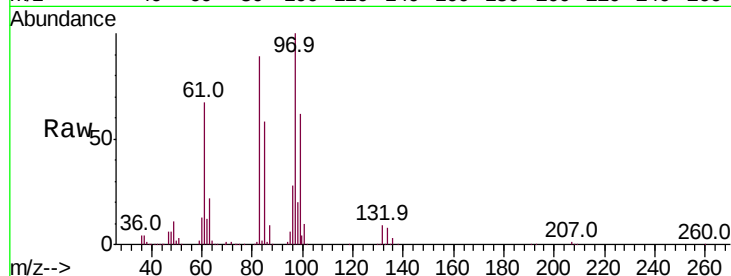




#55
1,1,2-Trichloroethane
Concen: 113.012 ug/l
RT: 10.55 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.2	72.9	109.3
85	58.1	46.1	69.1
99	62.3	50.8	76.2



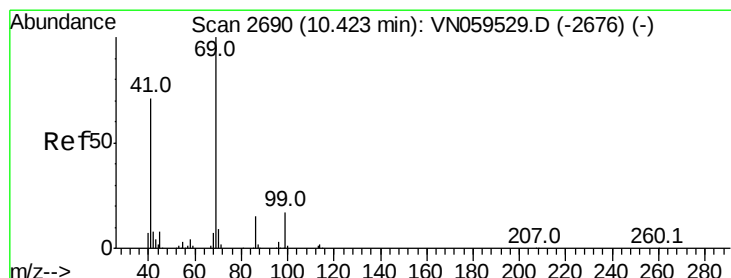
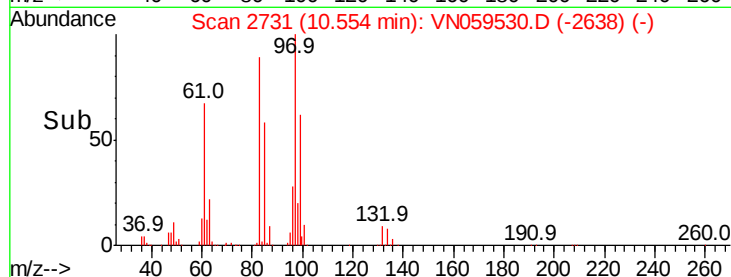
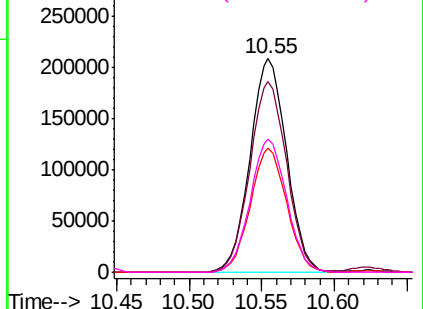
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

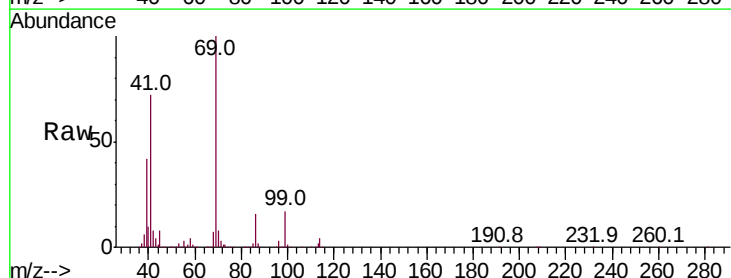
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
Ethyl methacrylate
Concen: 129.530 ug/l
RT: 10.42 min Scan# 2690
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.7	86.5
39	40.5	34.2	51.2

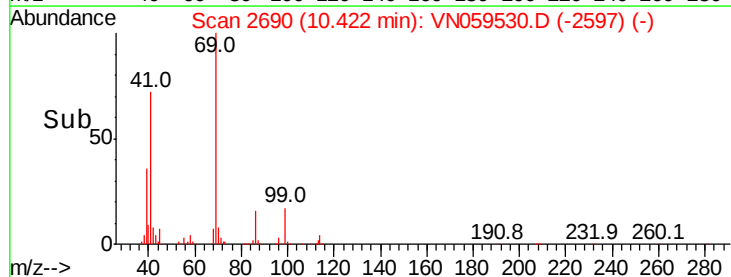
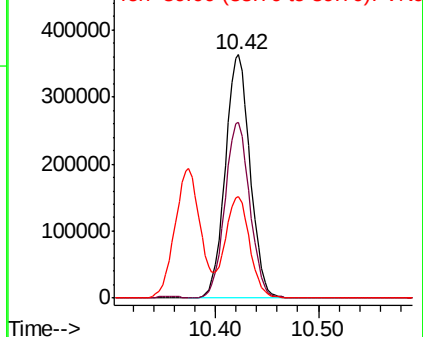


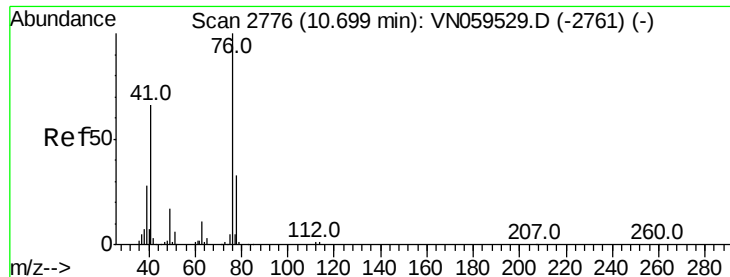
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 114.275 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

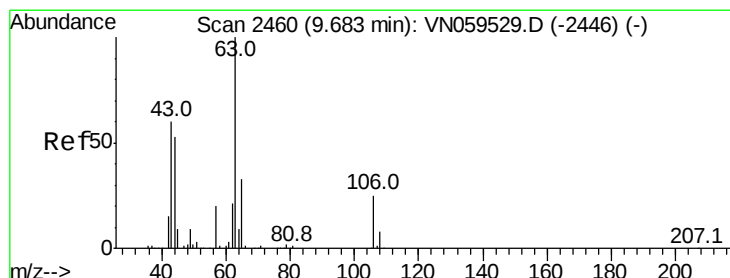
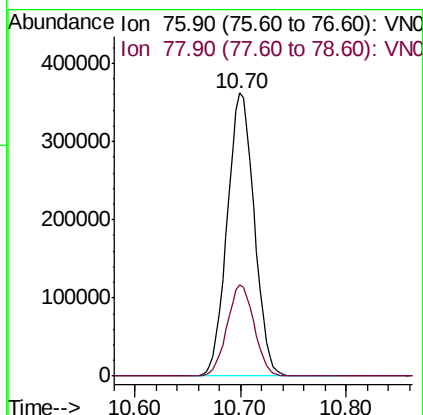
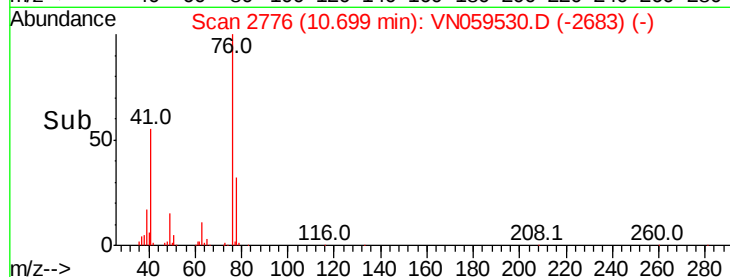
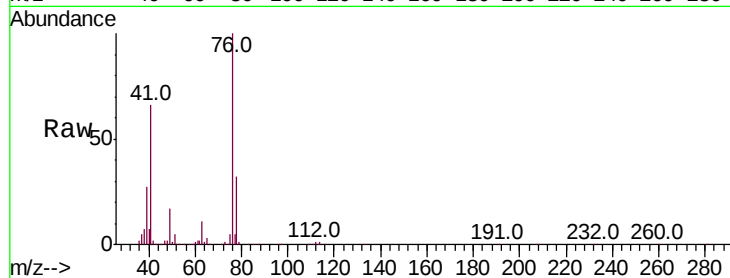
ClientSampled :

Tot Ion: 76 Resp: 641545

Ion Ratio Lower Upper

76 100

78 32.3 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 504.552 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059530.D

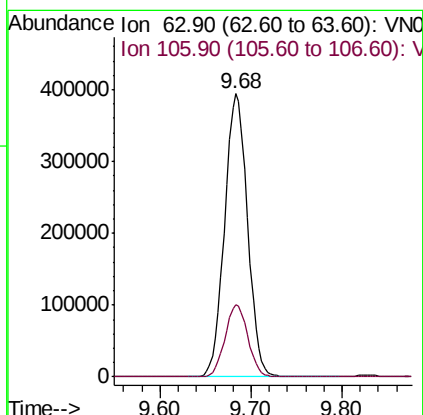
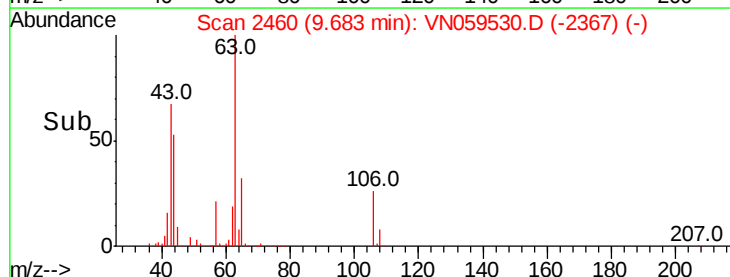
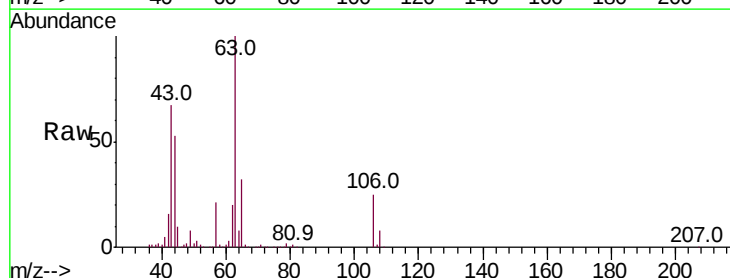
Acq: 9 Dec 2019 16:14

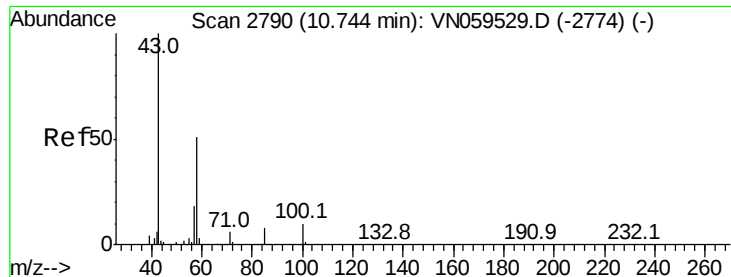
Tgt Ion: 63 Resp: 690541

Ion Ratio Lower Upper

63 100

106 25.4 19.9 29.9

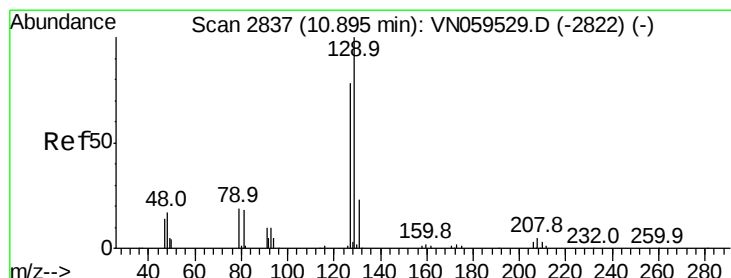
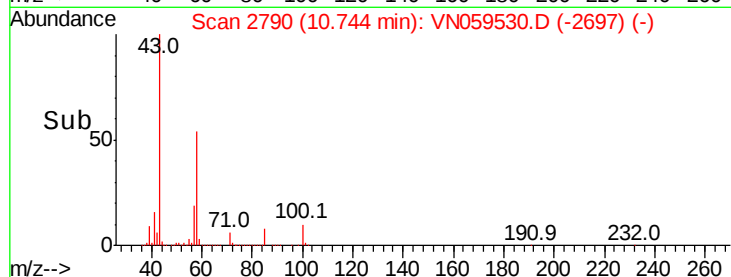
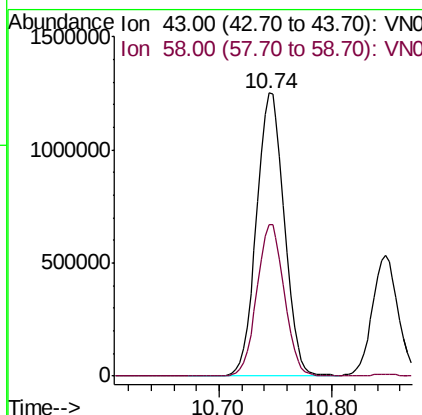
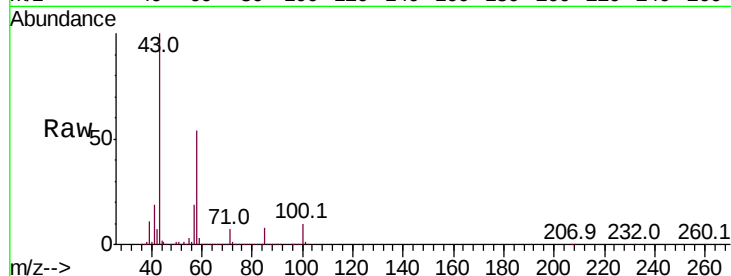




#59
2-Hexanone
Concen: 616.229 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

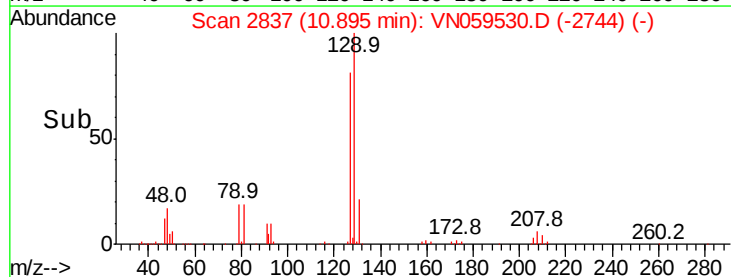
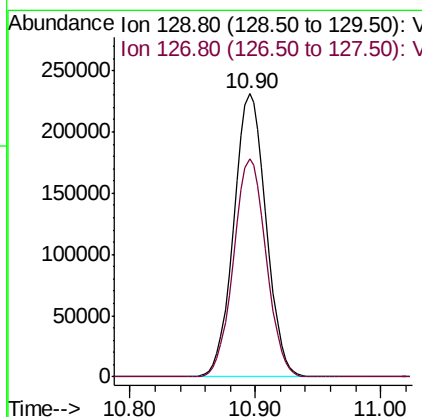
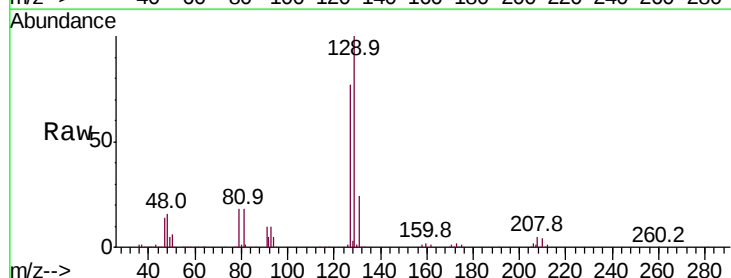
Instrument :
MSVOA_N
ClientSampled :

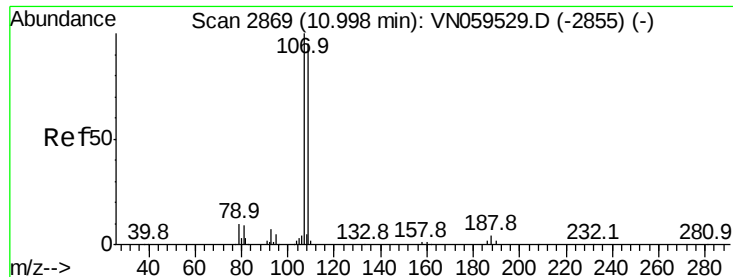
Tot Ion: 43 Resp: 2138078
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.6



#60
Dibromochloromethane
Concen: 118.829 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 129 Resp: 412842
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6

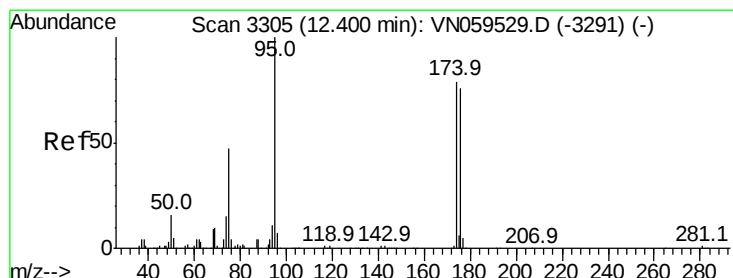
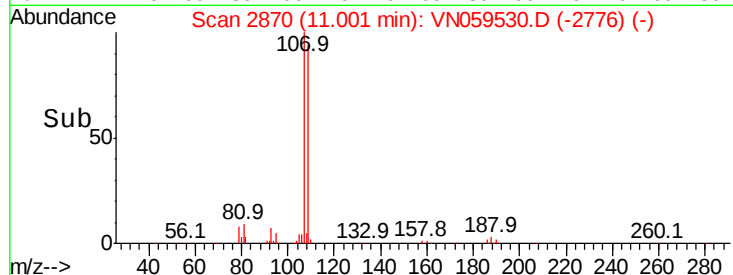
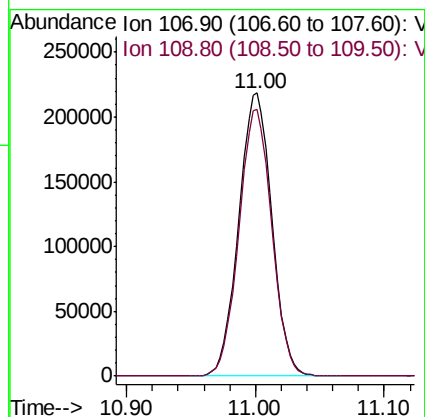
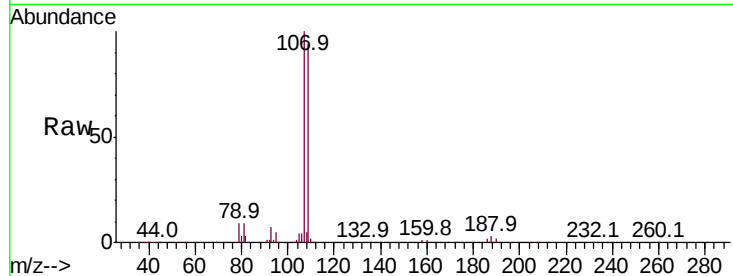




#61
 1,2-Dibromoethane
 Concen: 116.405 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

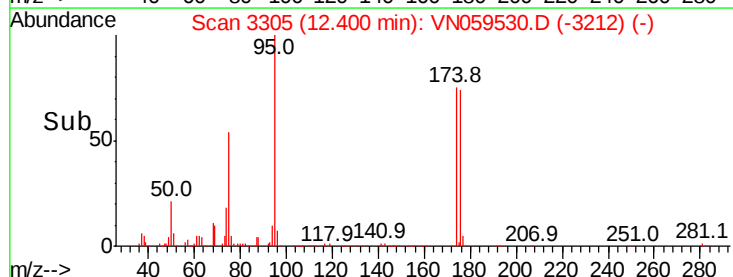
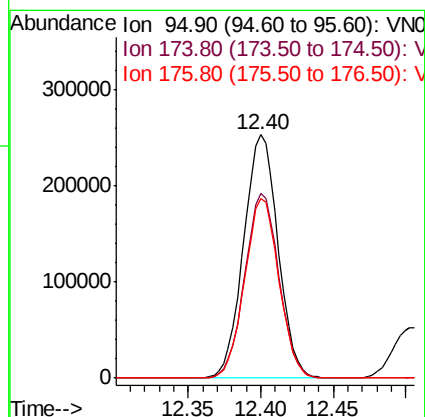
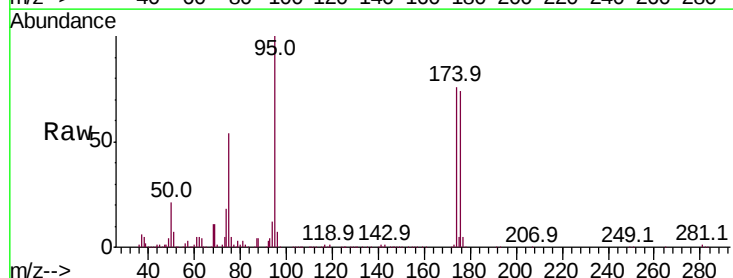
Instrument :
 MSVOA_N
 ClientSampleId :

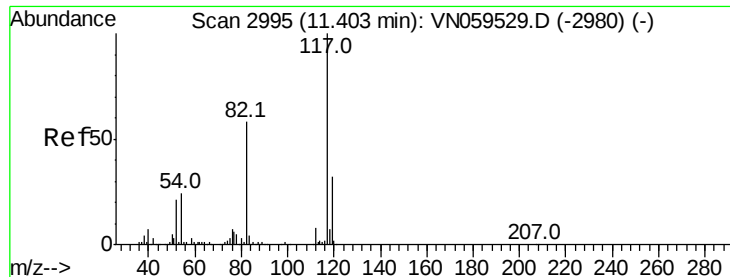
Tot Ion: 107 Resp: 389905
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 106.874 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion: 95 Resp: 418288
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 158.0
 176 73.7 0.0 155.4

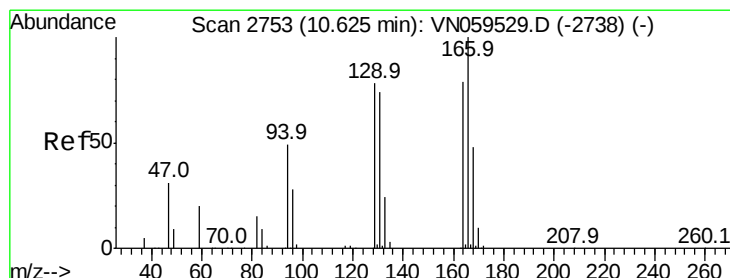
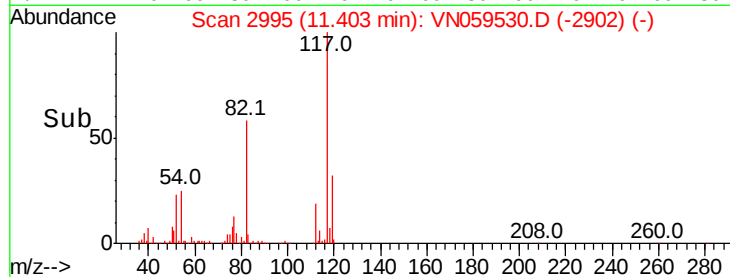
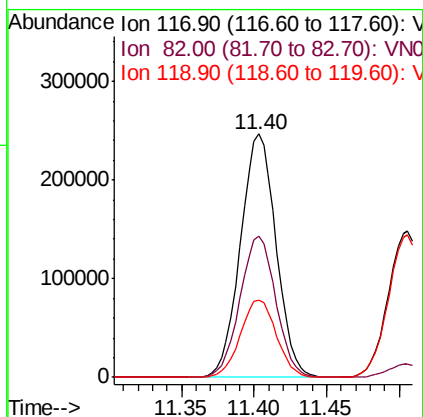
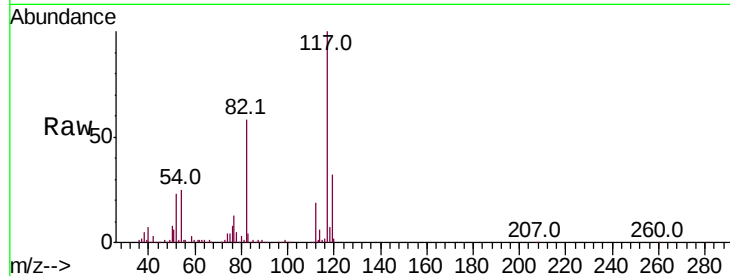




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

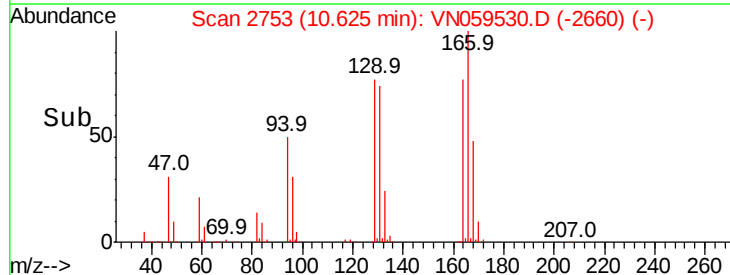
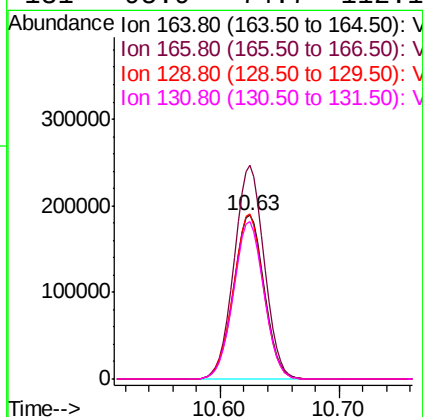
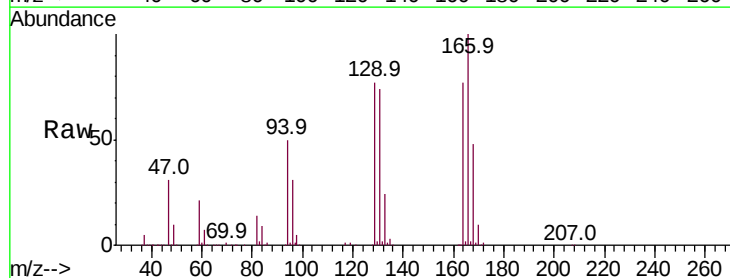
Instrument :
MSVOA_N
ClientSampleId :

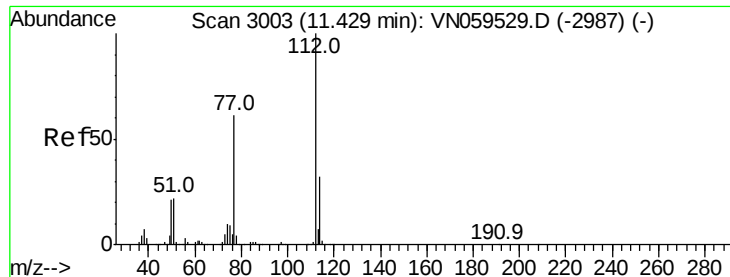
Tot Ion:117 Resp: 421582
Ion Ratio Lower Upper
117 100
82 57.9 46.5 69.7
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 99.050 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion:164 Resp: 338317
Ion Ratio Lower Upper
164 100
166 130.4 101.6 152.4
129 100.7 79.0 118.6
131 95.9 74.7 112.1





#65

Chlorobenzene

Concen: 108.102 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

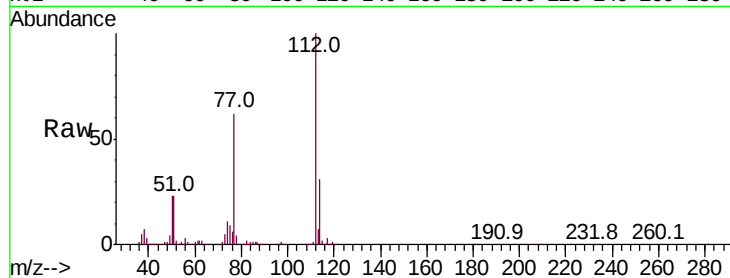
ClientSampled :

Tot Ion:112 Resp: 970069

Ion Ratio Lower Upper

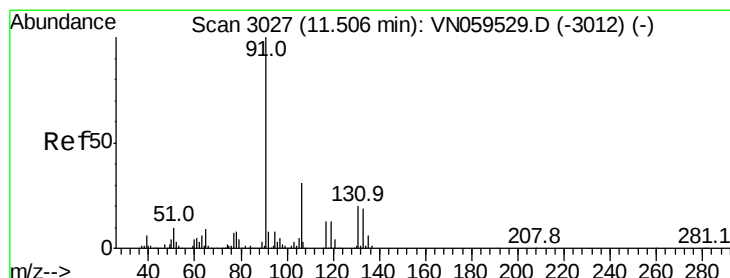
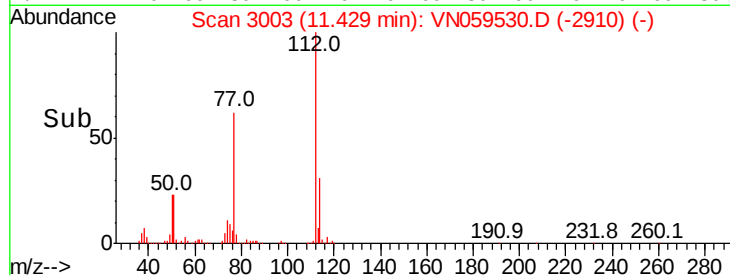
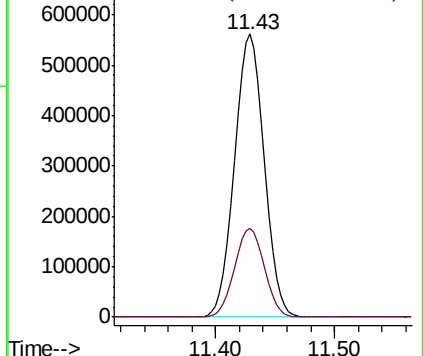
112 100

114 31.4 26.0 39.0



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: 113.838 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

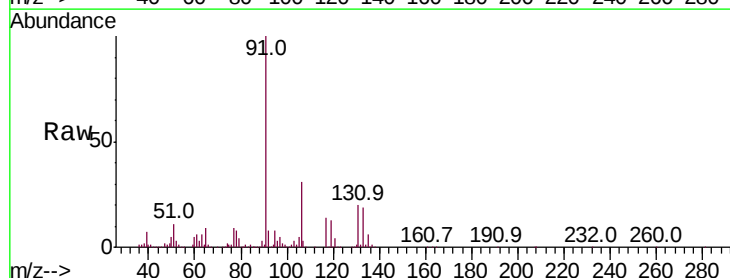
Tgt Ion:131 Resp: 368371

Ion Ratio Lower Upper

131 100

133 96.1 47.8 143.3

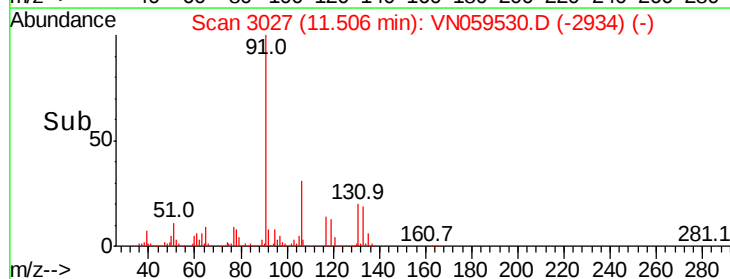
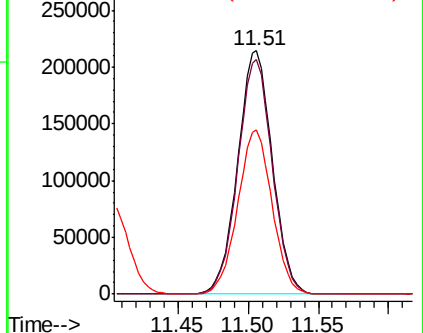
119 66.9 33.4 100.2

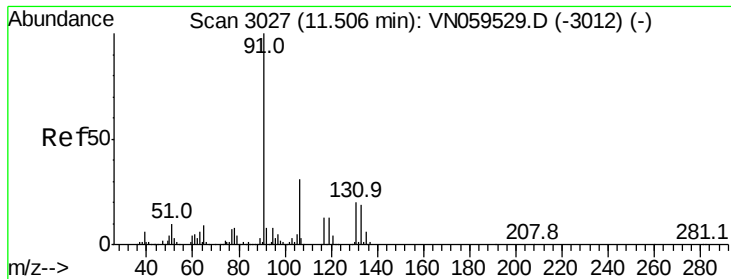


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 114.913 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

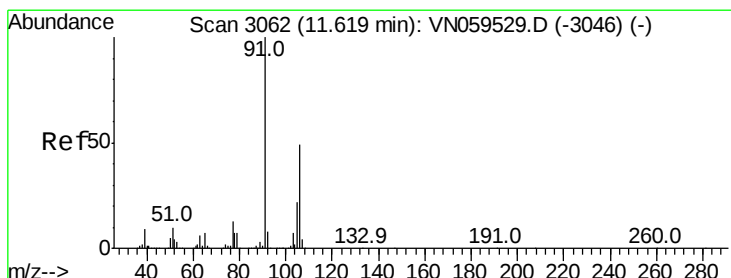
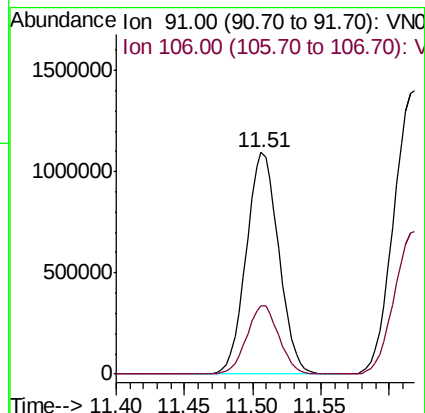
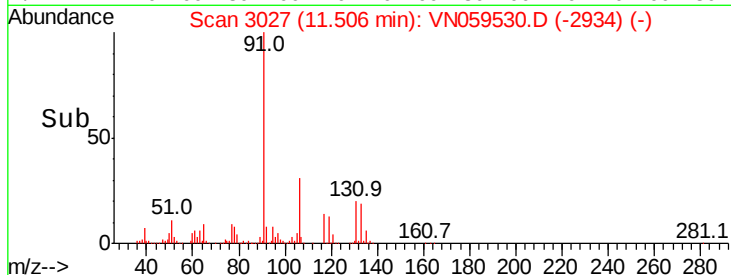
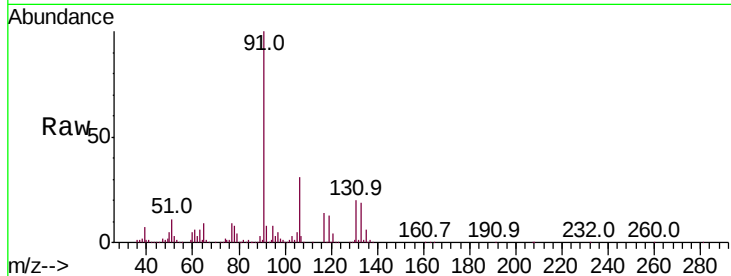
ClientSampled :

Tot Ion: 91 Resp: 1810757

Ion Ratio Lower Upper

91 100

106 31.1 24.5 36.7



#68

m/p-Xylenes

Concen: 227.233 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059530.D

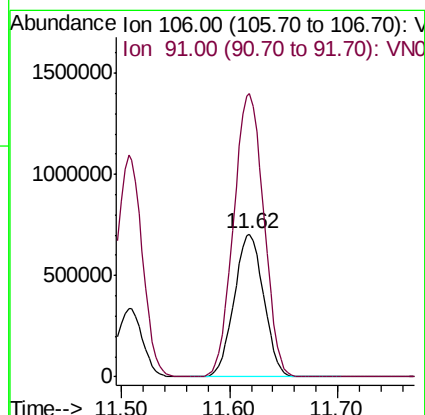
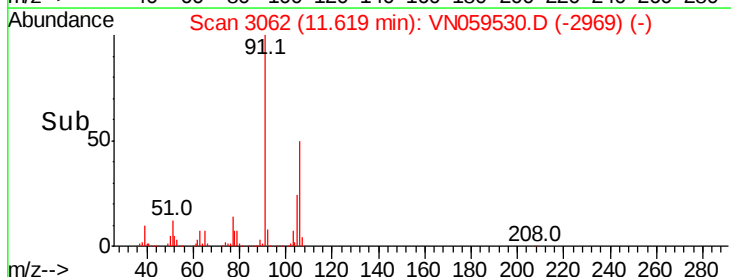
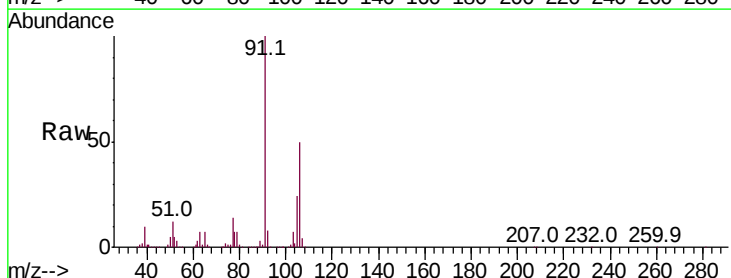
Acq: 9 Dec 2019 16:14

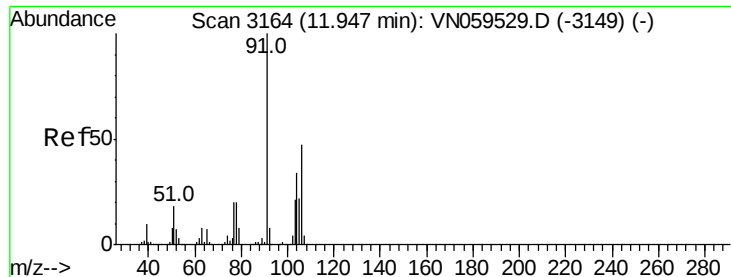
Tgt Ion: 106 Resp: 1344204

Ion Ratio Lower Upper

106 100

91 203.3 162.9 244.3

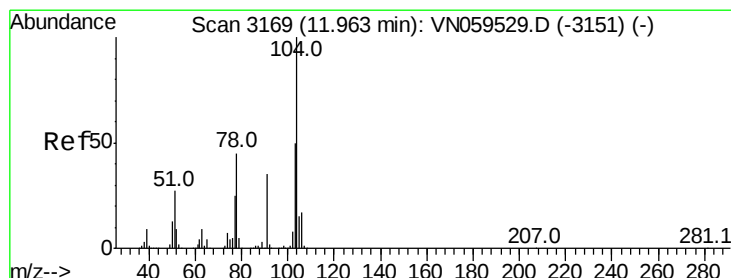
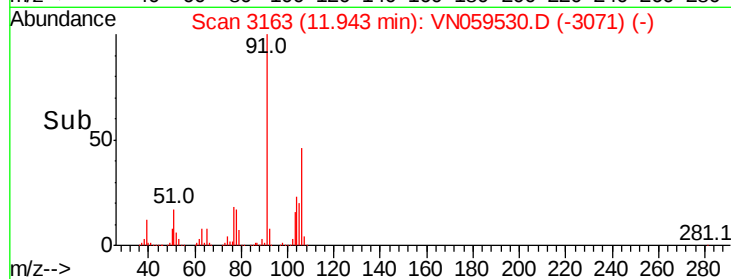
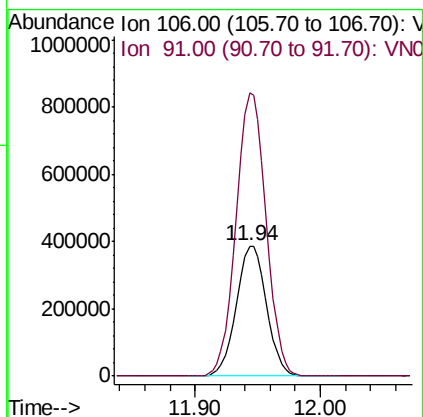
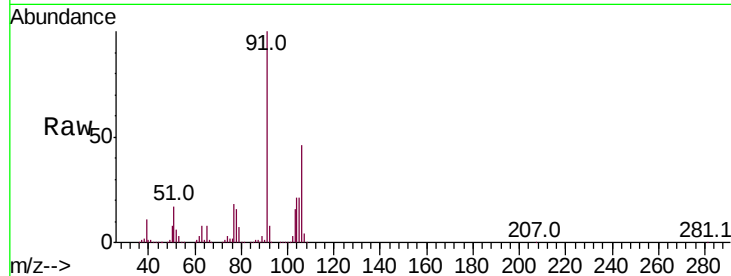




#69
o-Xylene
Concen: 114.455 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

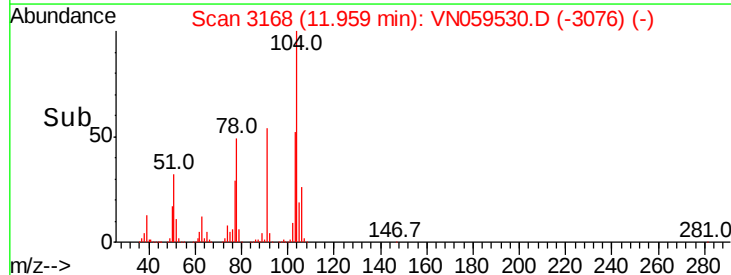
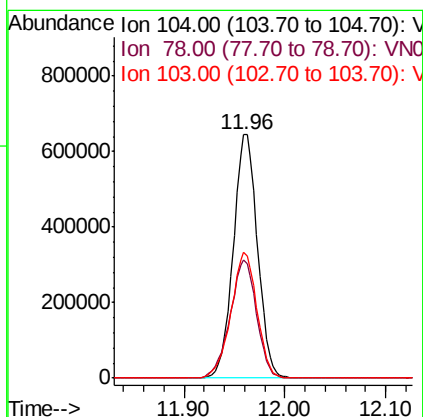
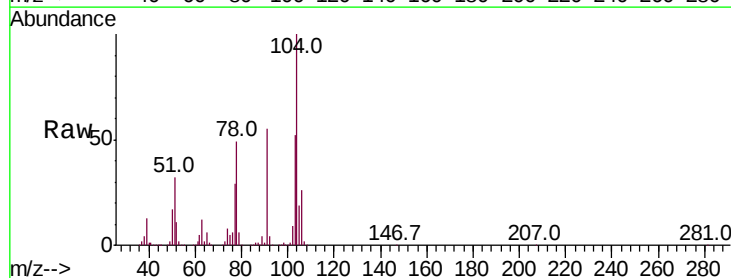
Instrument :
MSVOA_N
ClientSampleId :

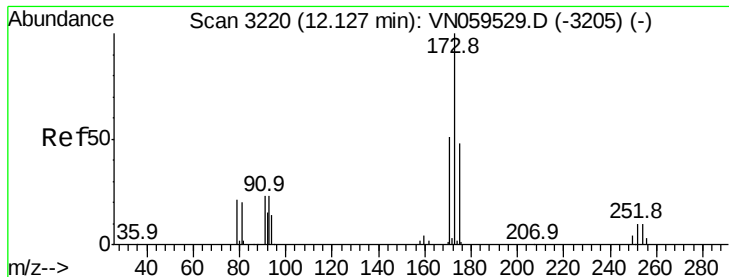
Tot Ion:106 Resp: 644790
Ion Ratio Lower Upper
106 100
91 217.6 106.7 319.9



#70
Styrene
Concen: 119.590 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion:104 Resp: 1079100
Ion Ratio Lower Upper
104 100
78 52.9 40.6 60.8
103 55.3 43.9 65.9

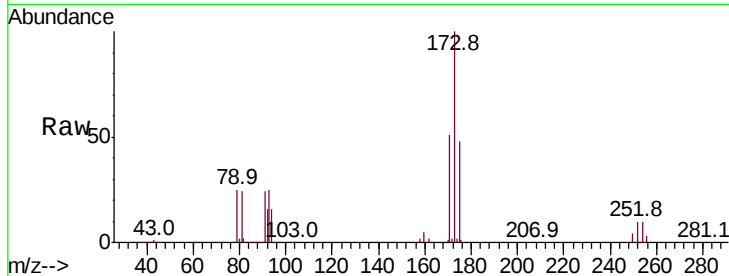




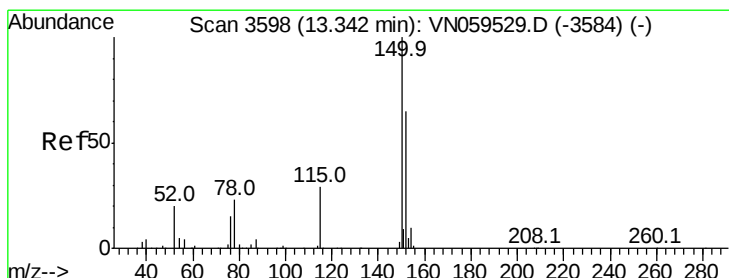
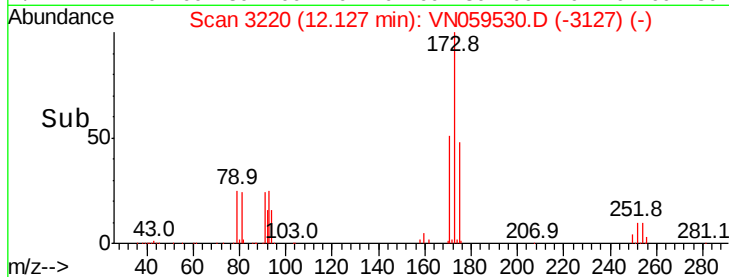
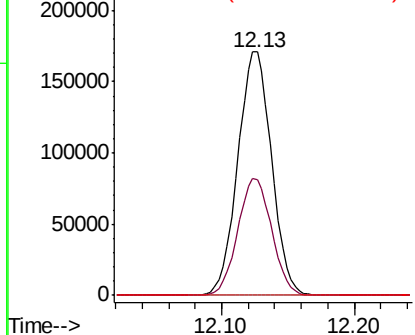
#71
Bromoform
Concen: 118.078 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.1	0.0	0.0#

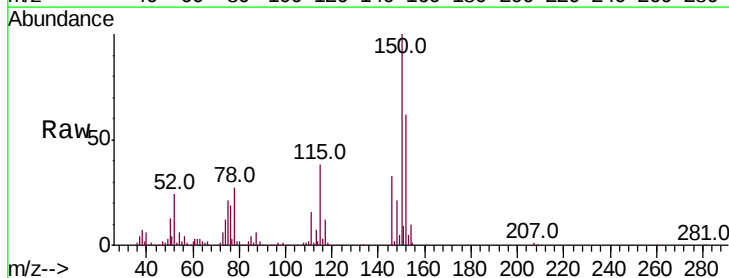


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

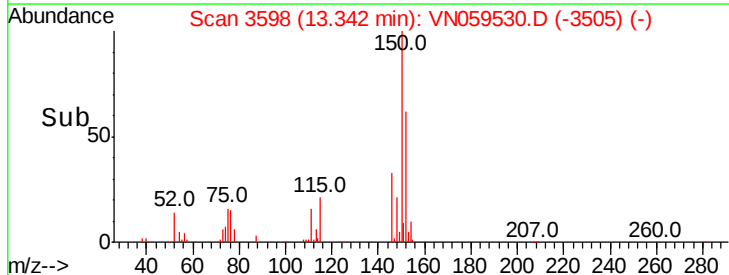
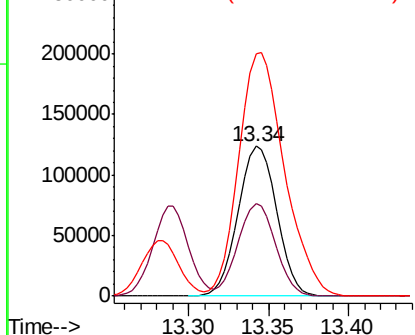


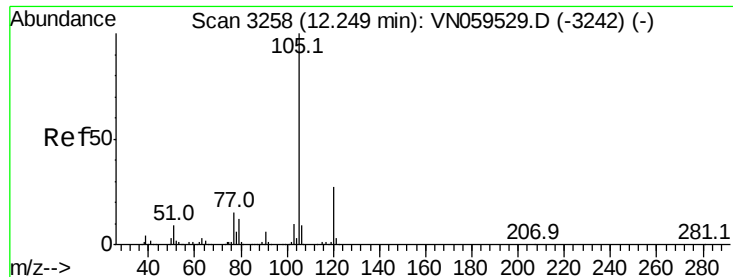
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.4	88.2
150	192.7	0.0	342.4



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: 111.740 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

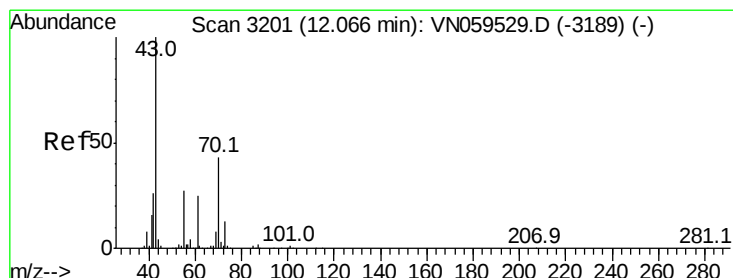
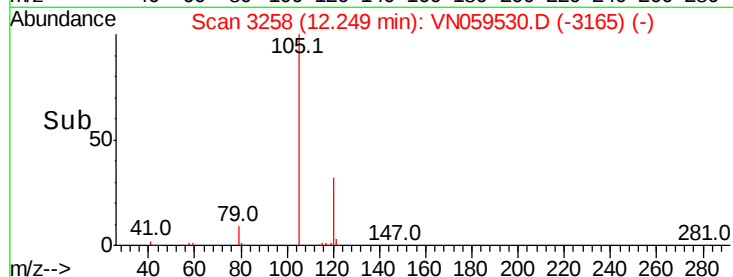
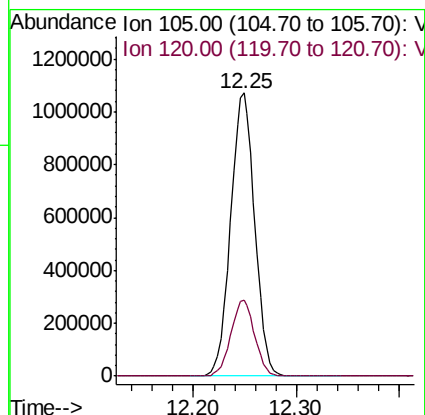
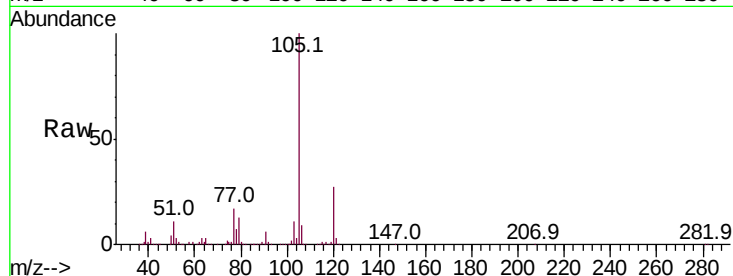
ClientSampleId :

Tot Ion:105 Resp: 1736691

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



#74

N-ethyl acetate

Concen: 132.602 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Tgt Ion: 43 Resp: 841467

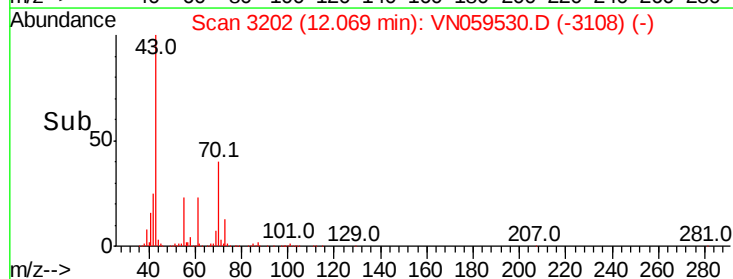
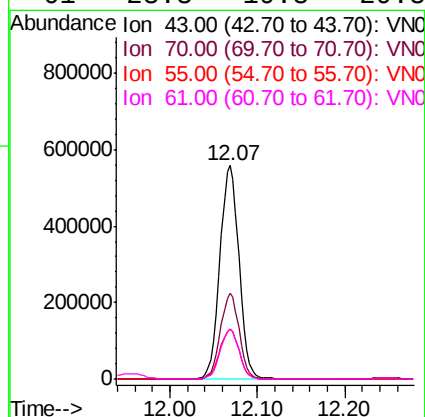
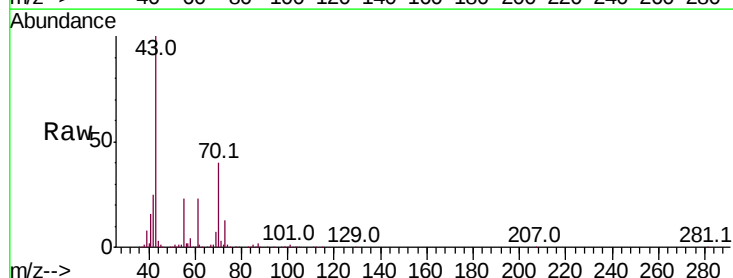
Ion Ratio Lower Upper

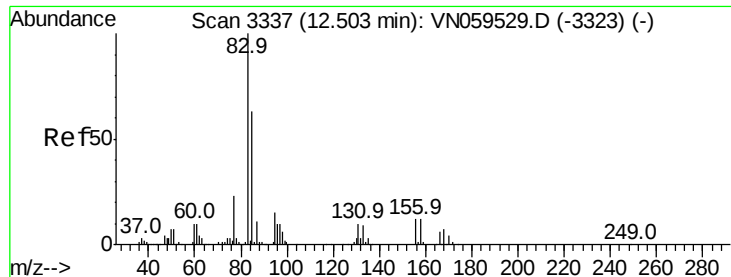
43 100

70 39.7 34.2 51.4

55 23.9 21.3 31.9

61 23.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 108.604 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

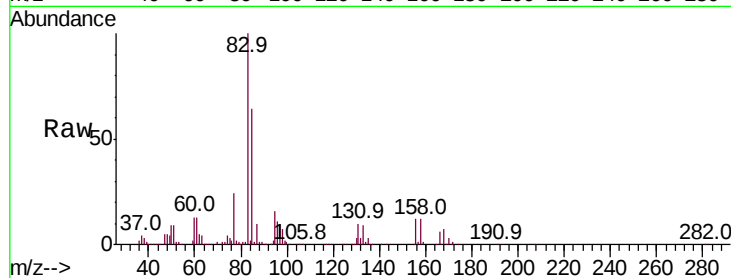
Tot Ion: 83 Resp: 547940

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

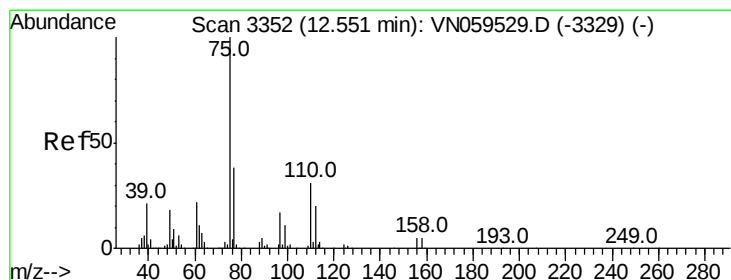
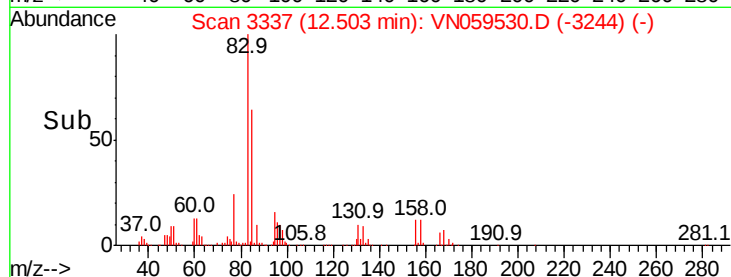
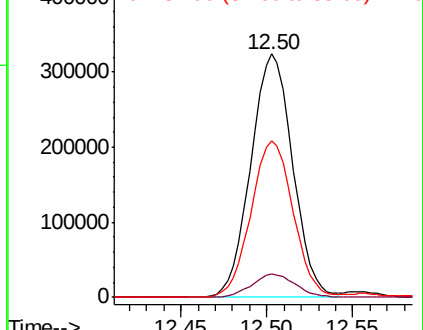
85 64.6 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 155.323 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059530.D

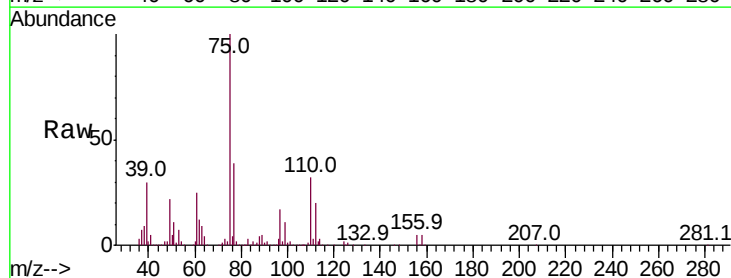
Acq: 9 Dec 2019 16:14

Tgt Ion: 75 Resp: 773801

Ion Ratio Lower Upper

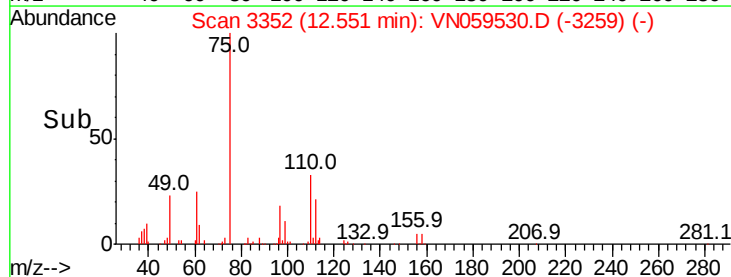
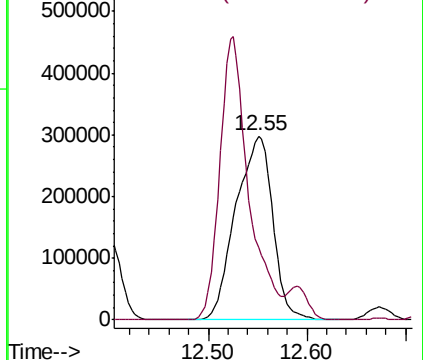
75 100

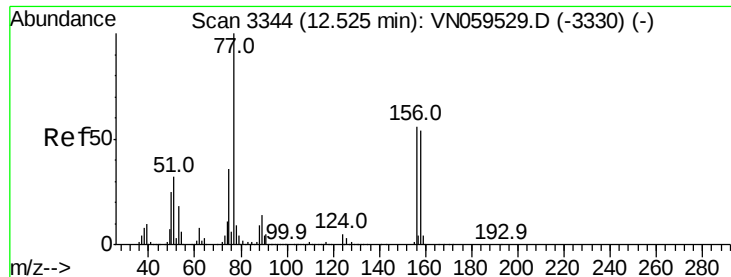
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 102.993 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

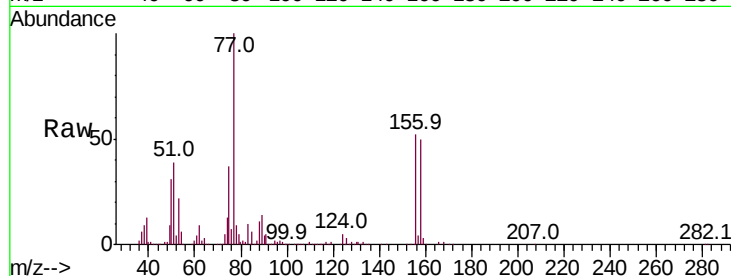
Tot Ion:156 Resp: 405343

Ion Ratio Lower Upper

156 100

77 234.0 109.3 327.8

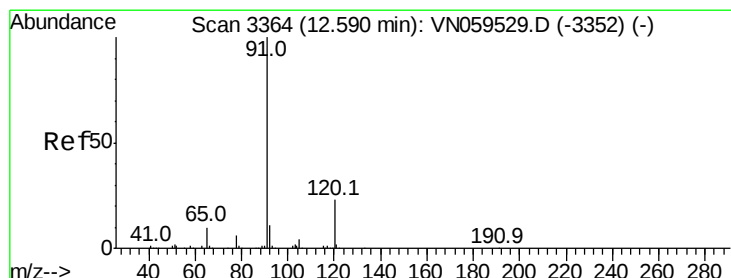
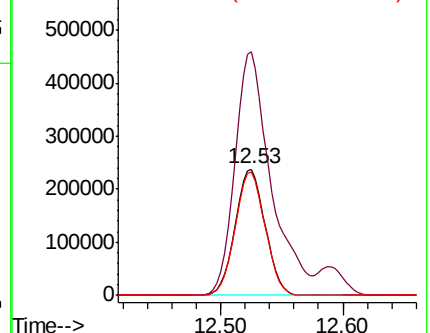
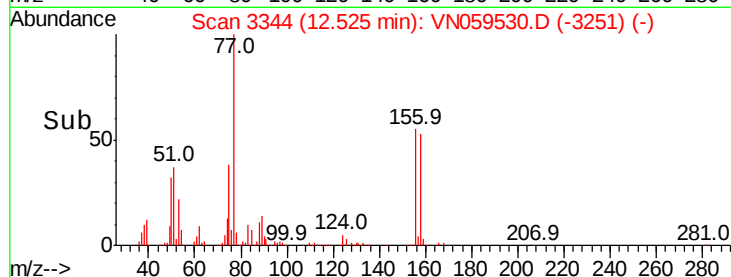
158 97.5 48.6 145.8



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: 112.471 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059530.D

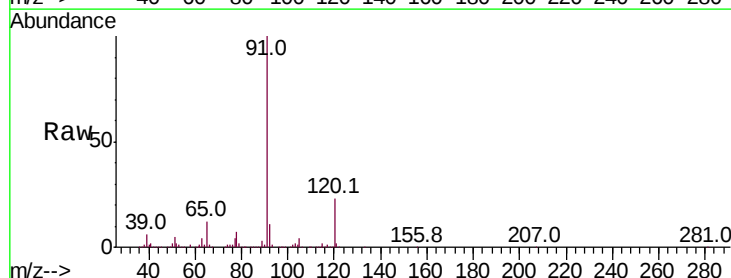
Acq: 9 Dec 2019 16:14

Tgt Ion: 91 Resp: 2054863

Ion Ratio Lower Upper

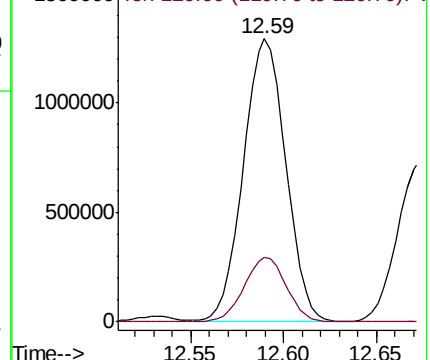
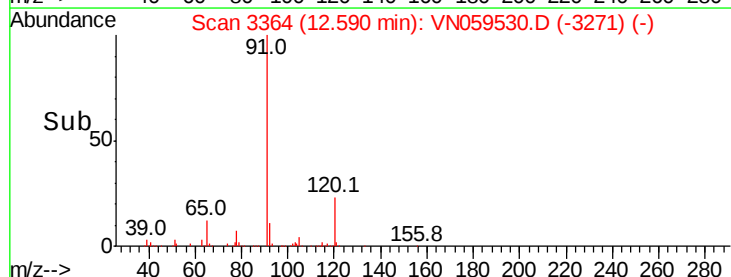
91 100

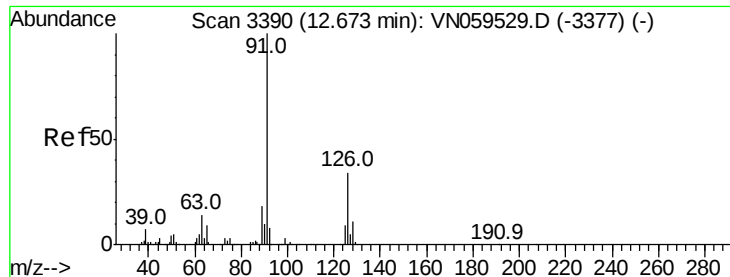
120 22.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 112.226 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

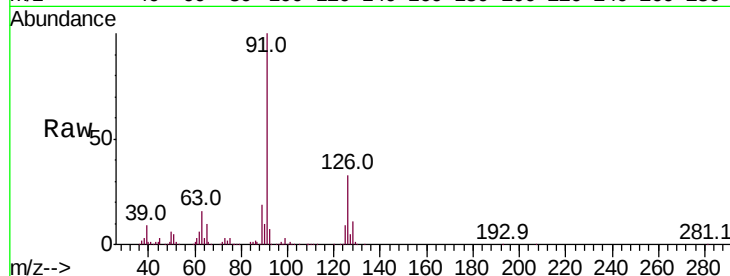
ClientSampleId :

Tot Ion: 91 Resp: 1237820

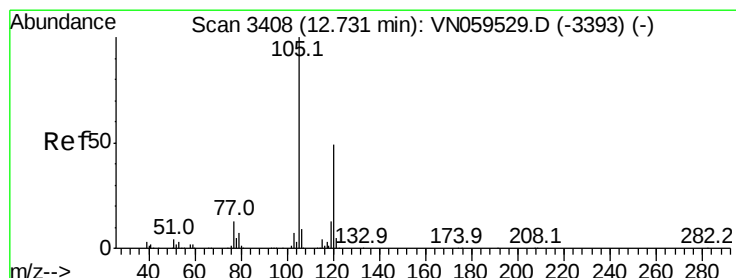
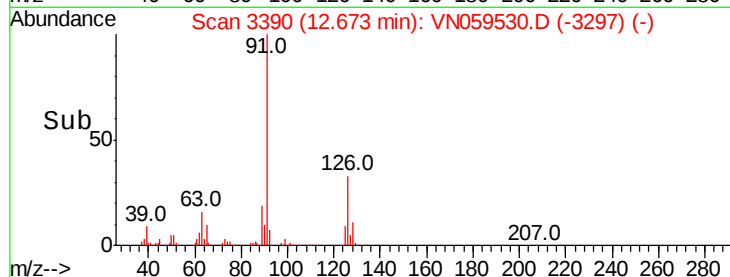
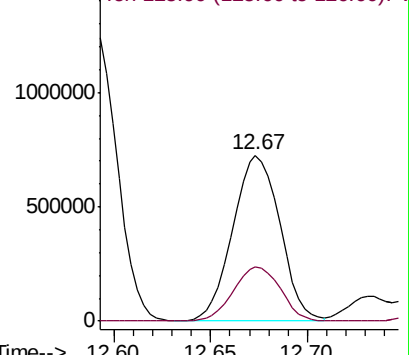
Ion Ratio Lower Upper

91 100

126 32.8 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 119.048 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059530.D

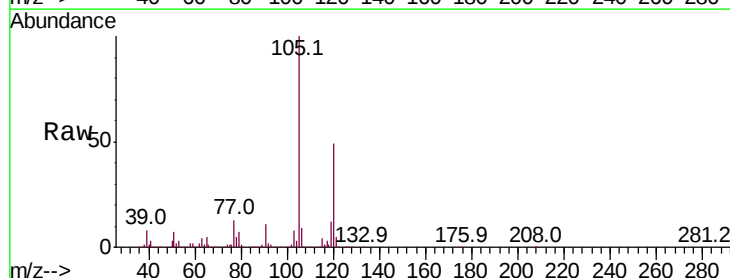
Acq: 9 Dec 2019 16:14

Tgt Ion:105 Resp: 1566045

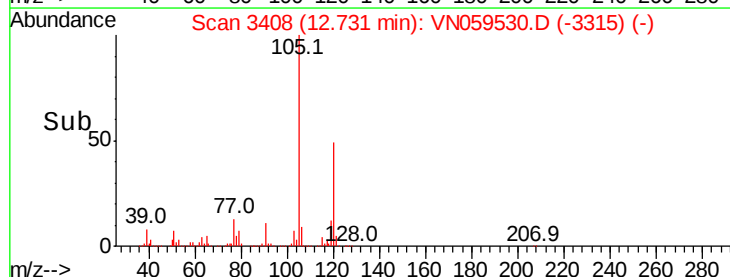
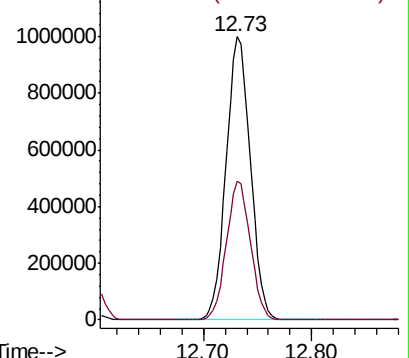
Ion Ratio Lower Upper

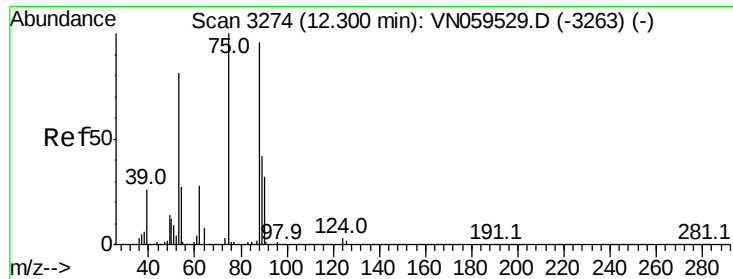
105 100

120 48.5 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 120.662 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

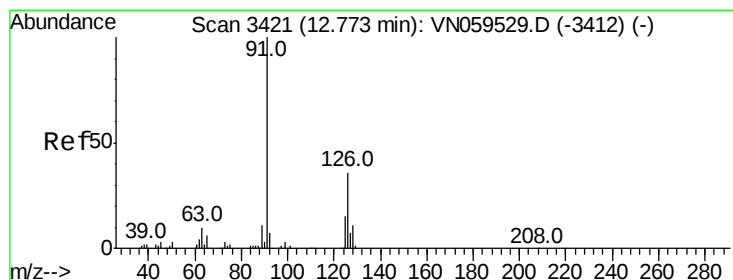
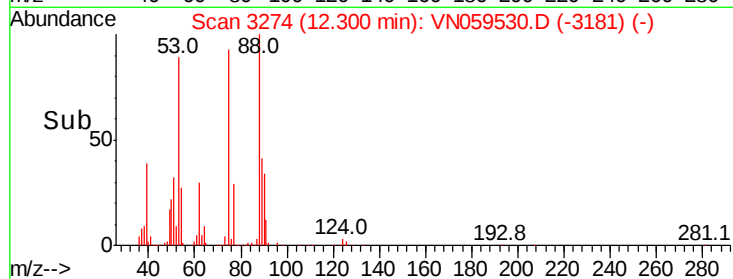
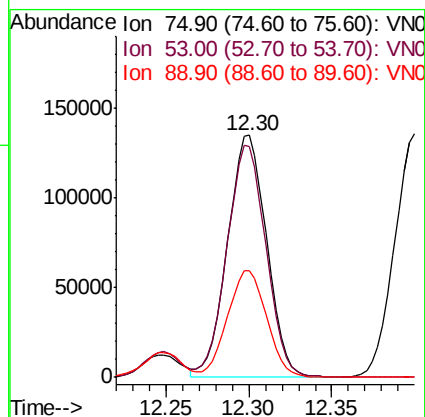
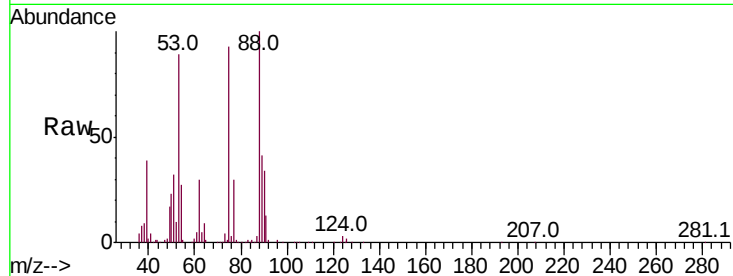
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 221484

Ion	Ratio	Lower	Upper
75	100		
53	96.0	67.0	100.6
89	44.4	35.5	53.3



#82

4-Chlorotoluene

Concen: 109.924 ug/l

RT: 12.77 min Scan# 3421

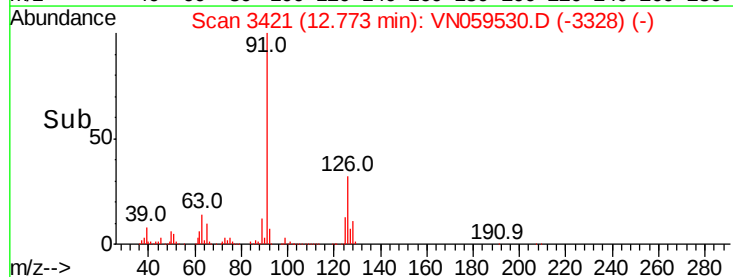
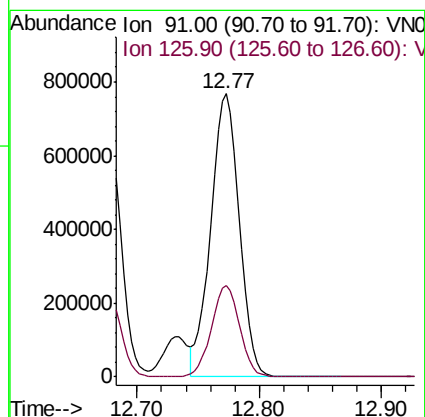
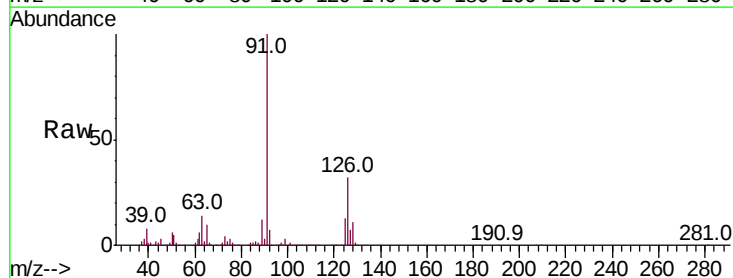
Delta R.T. -0.00 min

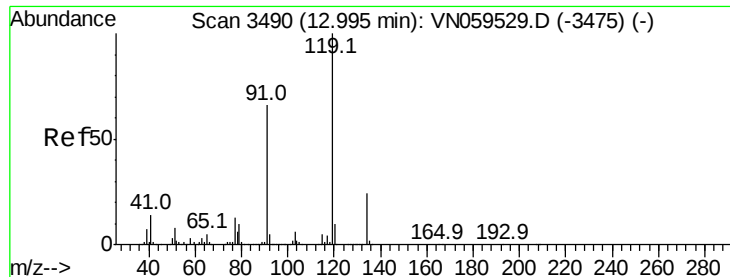
Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Tgt Ion: 91 Resp: 1255973

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4





#83

tert-Butylbenzene

Concen: 107.196 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

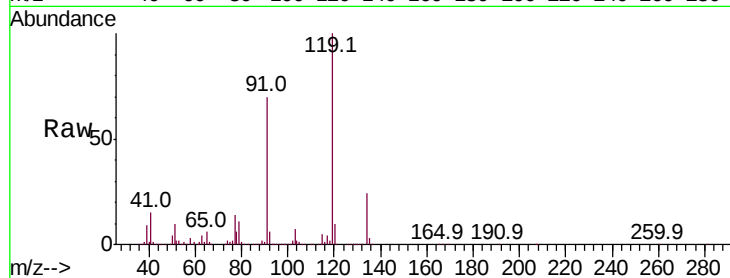
Tot Ion:119 Resp: 1222820

Ion Ratio Lower Upper

119 100

91 68.3 32.8 98.4

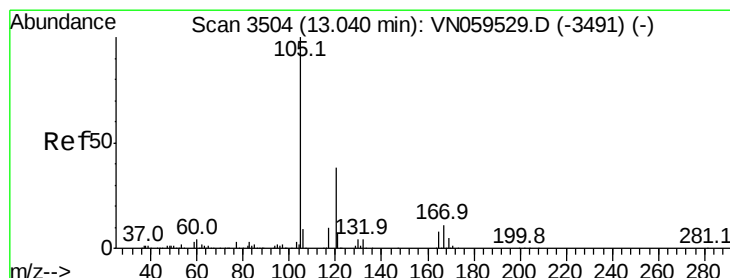
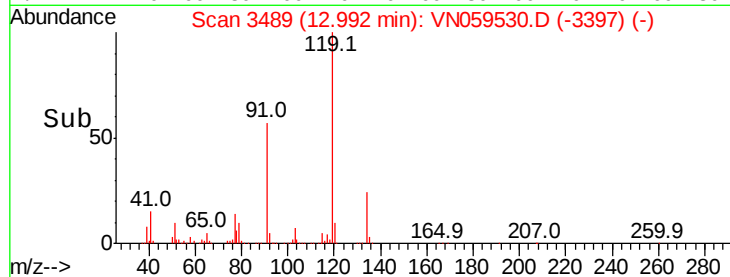
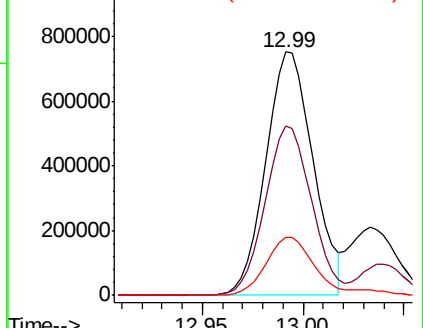
134 23.9 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 112.342 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059530.D

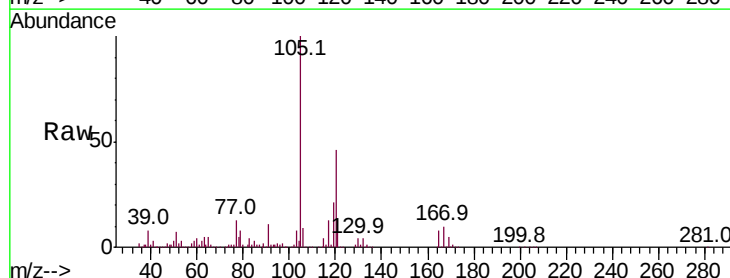
Acq: 9 Dec 2019 16:14

Tgt Ion:105 Resp: 1448003

Ion Ratio Lower Upper

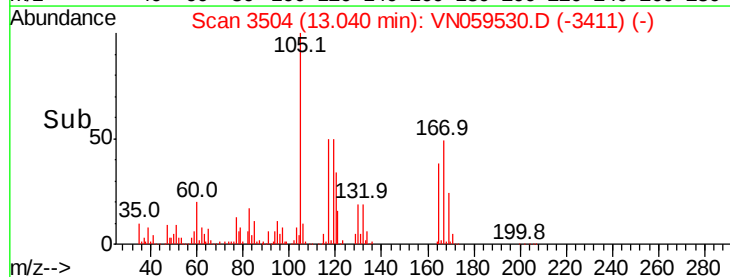
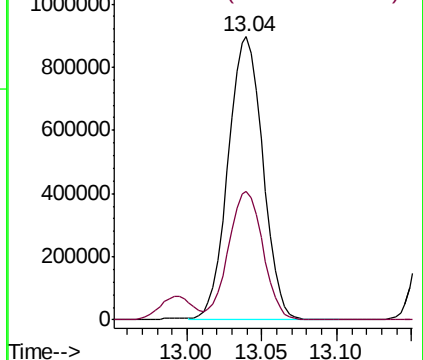
105 100

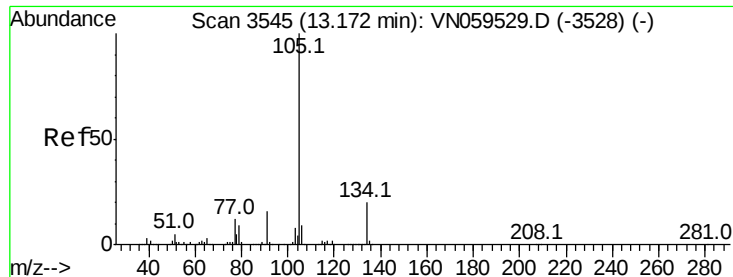
120 45.2 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 111.327 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

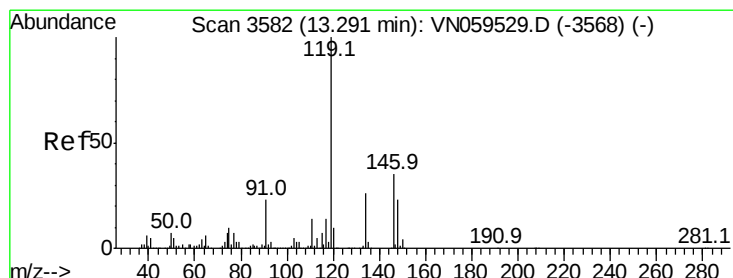
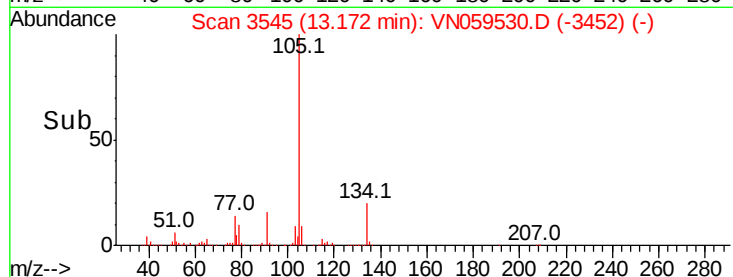
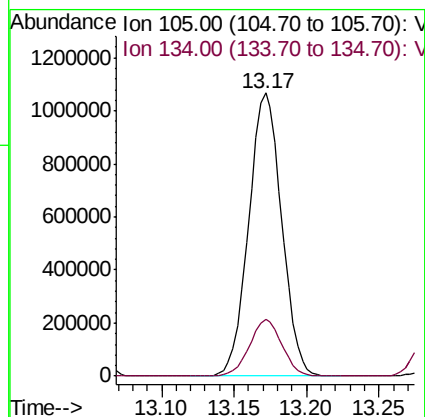
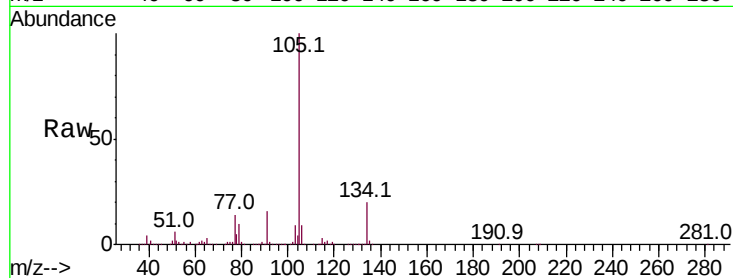
ClientSampled :

Tot Ion:105 Resp: 1687794

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 112.274 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

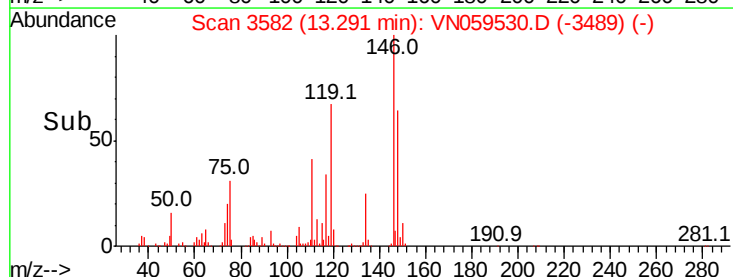
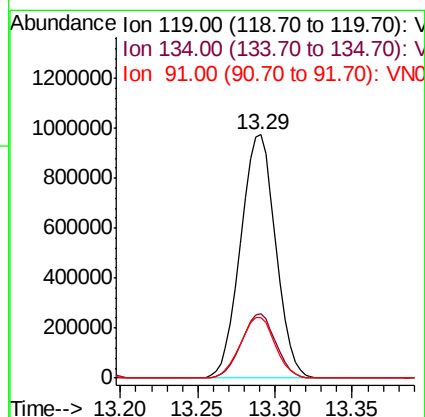
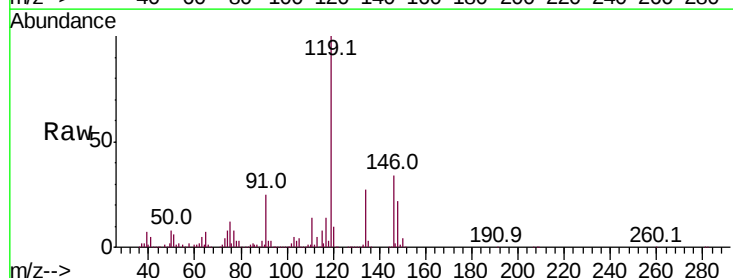
Tgt Ion:119 Resp: 1530539

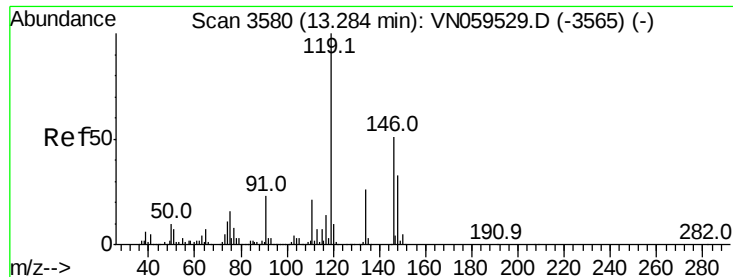
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 24.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 105.655 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

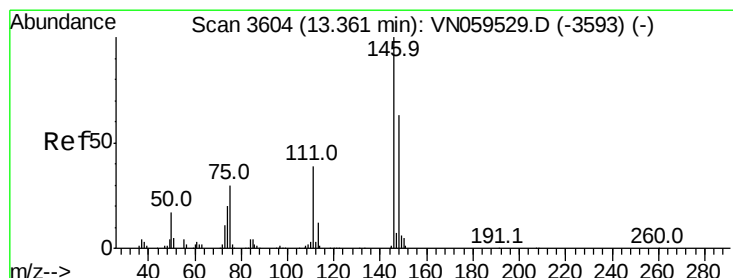
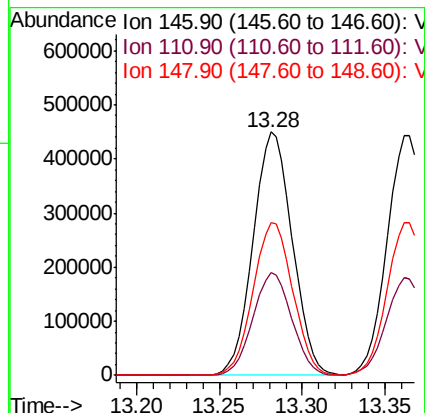
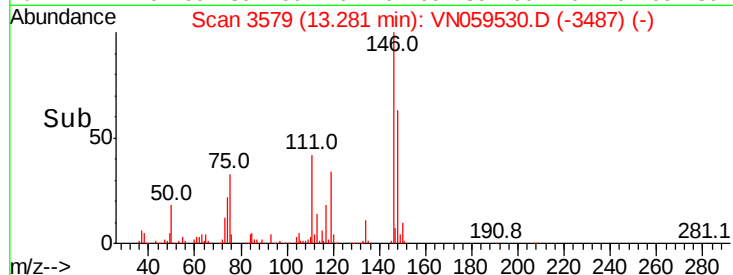
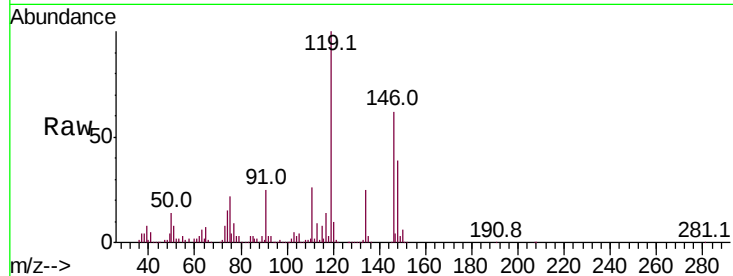
Tot Ion:146 Resp: 740081

Ion Ratio Lower Upper

146 100

111 41.8 20.6 61.8

148 63.5 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 103.644 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

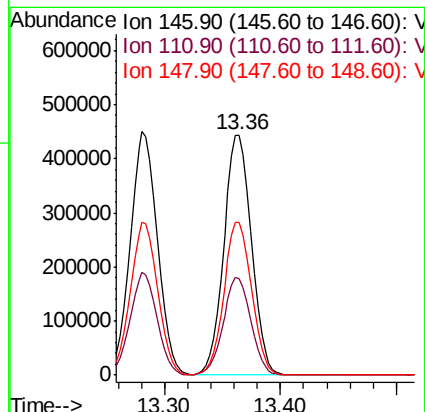
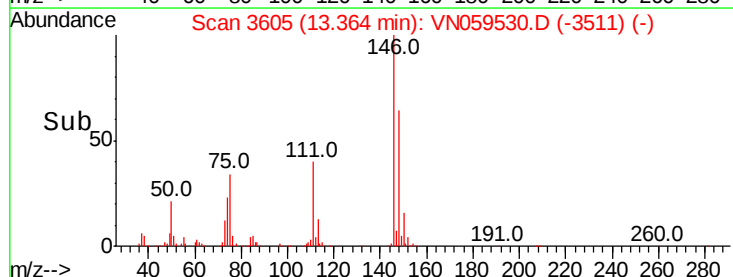
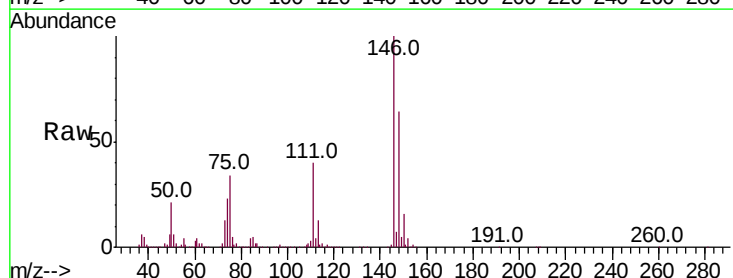
Tgt Ion:146 Resp: 733022

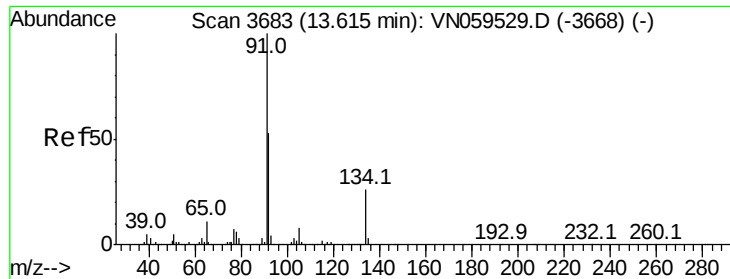
Ion Ratio Lower Upper

146 100

111 40.6 20.0 59.9

148 63.9 31.9 95.7





#89

n-Butylbenzene

Concen: 120.157 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

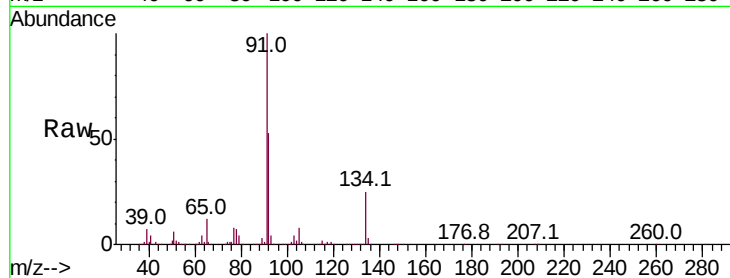
Tot Ion: 91 Resp: 1471799

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	24.7	12.8	38.4

91 100

92 52.4 26.3 78.9

134 24.7 12.8 38.4

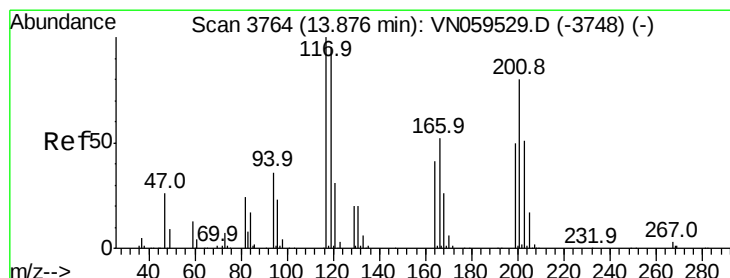
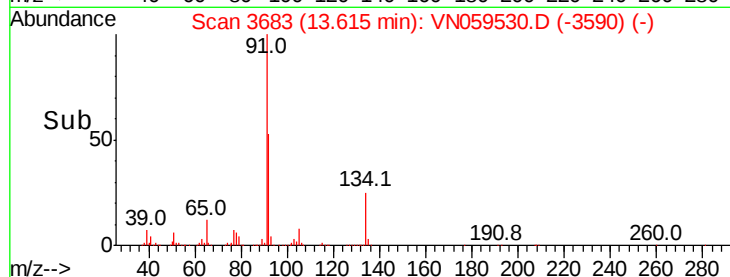
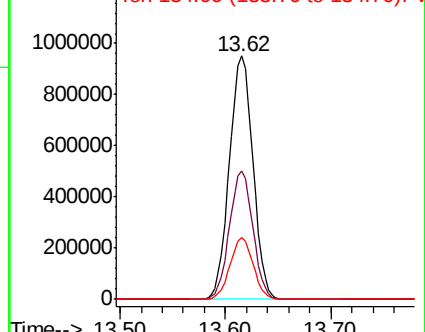


Abundance

Ion 91.00 (90.70 to 91.70): VN059530.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059530.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059530.D (-3668) (-)



#90

Hexachloroethane

Concen: 110.154 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059530.D

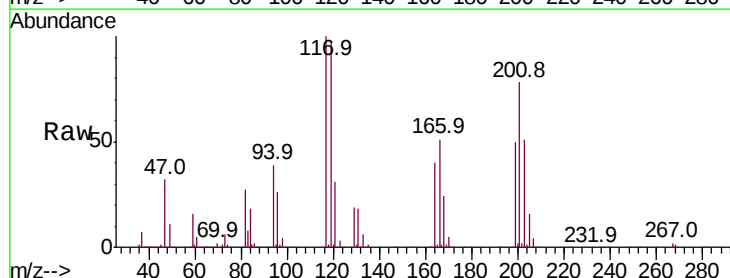
Acq: 9 Dec 2019 16:14

Tgt Ion: 117 Resp: 289356

Ion	Ratio	Lower	Upper
117	100		
201	77.1	40.5	121.5

117 100

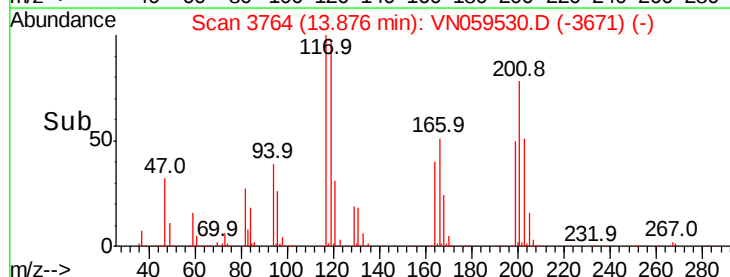
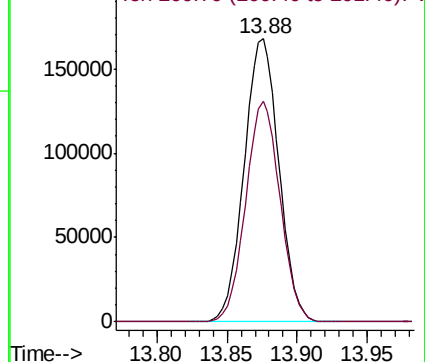
201 77.1 40.5 121.5

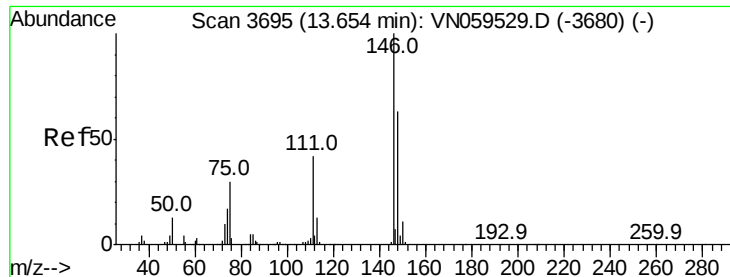


Abundance

Ion 116.80 (116.50 to 117.50): VN059530.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN059530.D (-3748) (-)

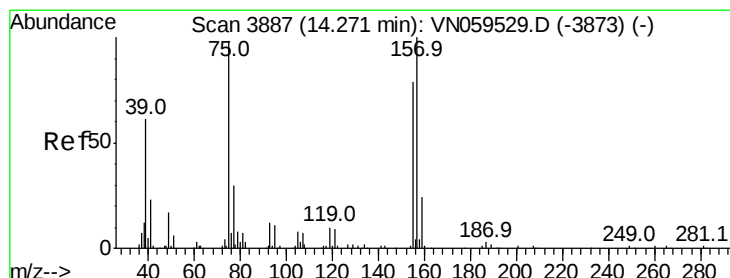
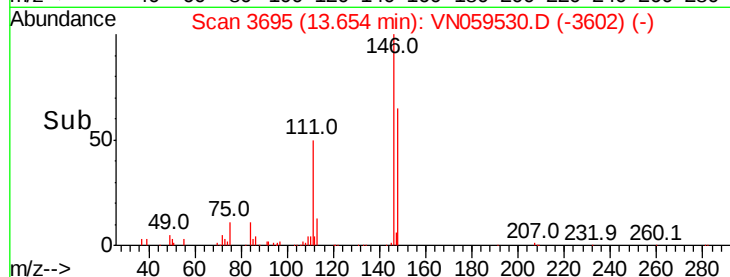
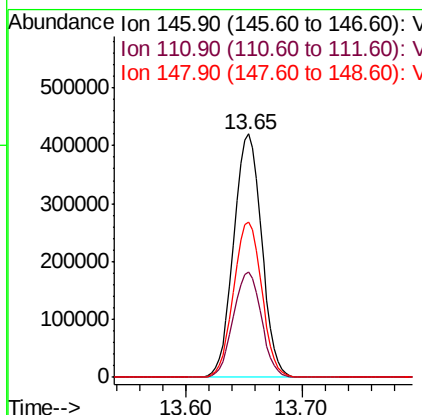
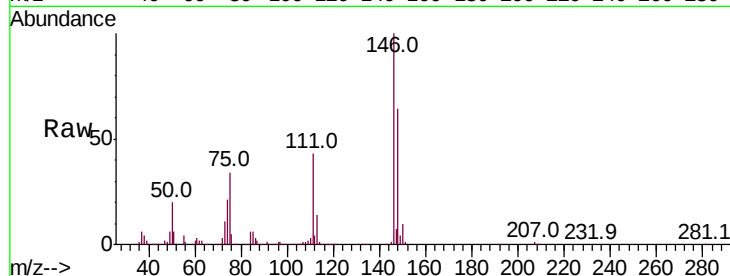




#91
 1,2-Dichlorobenzene
 Concen: 104.815 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

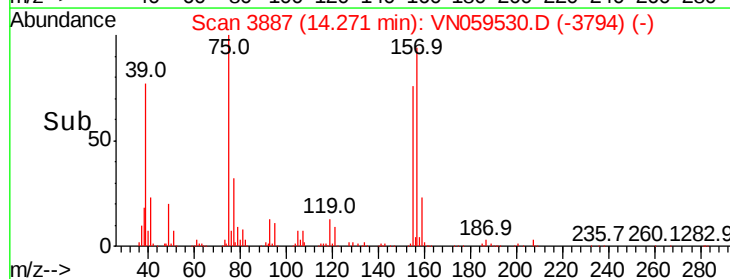
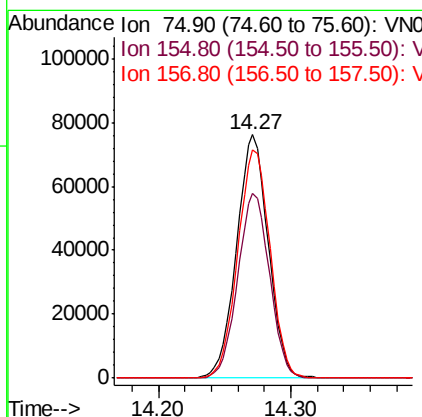
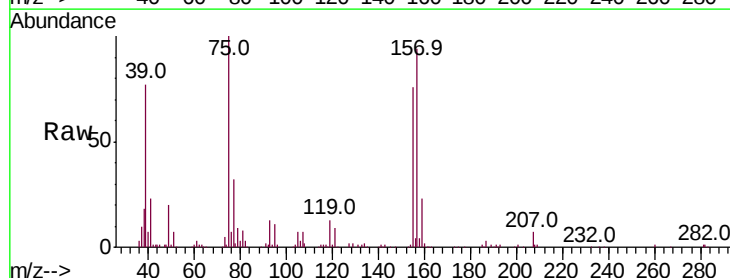
Instrument :
 MSVOA_N
 ClientSampleId :

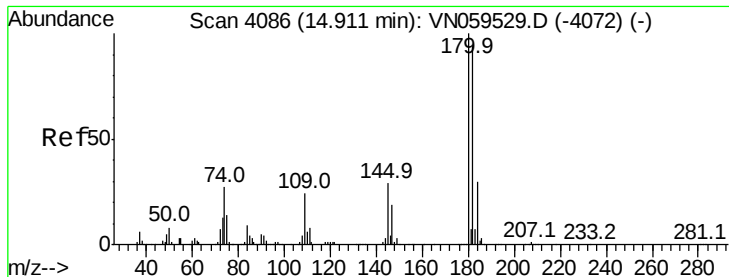
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.9	62.7
148	64.0	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.932 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	40.4	121.1
157	96.3	51.1	153.3

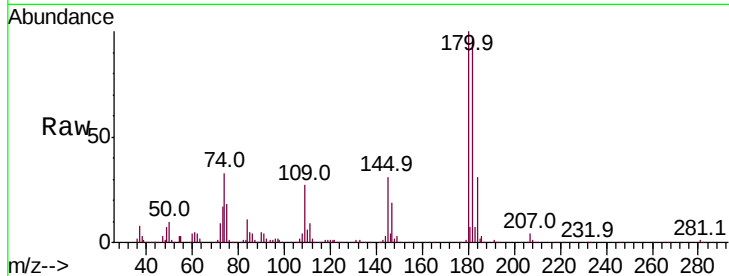




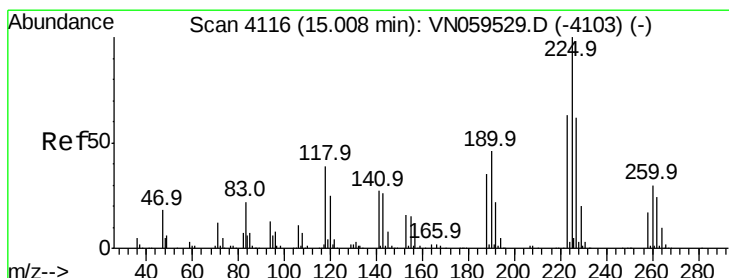
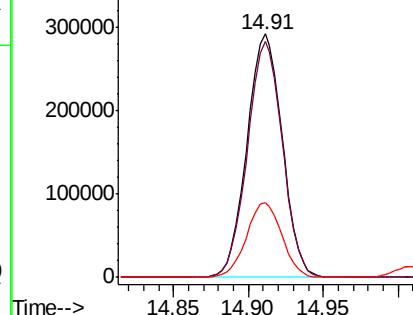
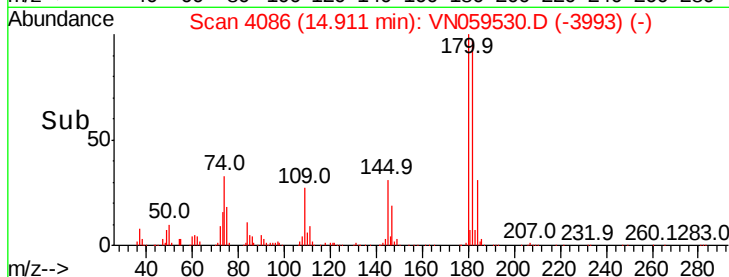
#93
 1,2,4-Trichlorobenzene
 Concen: 113.823 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	142.0
145	30.7	14.9	44.7

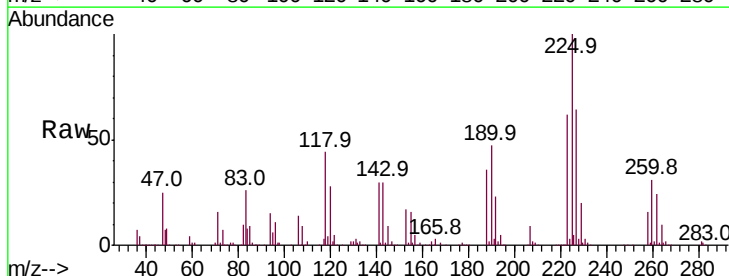


Abundance Ion 179.80 (179.50 to 180.50): V
 400000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

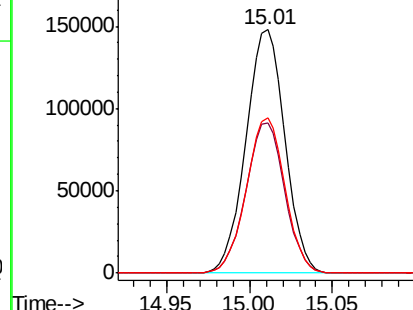
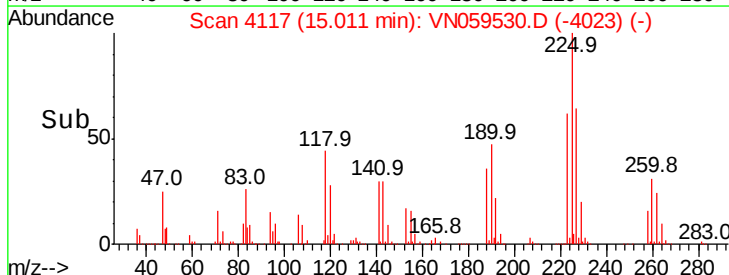


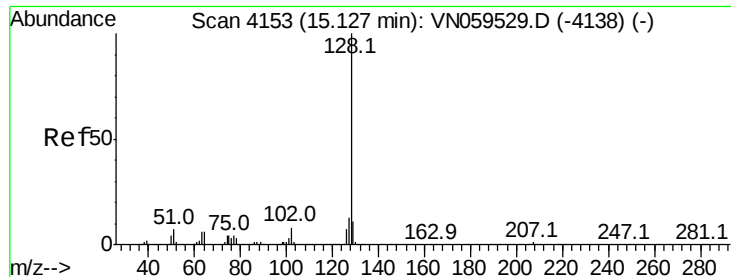
#94
 Hexachlorobutadiene
 Concen: 91.983 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.3	93.9
227	63.1	31.6	95.0



Abundance Ion 224.70 (224.40 to 225.40): V
 200000 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

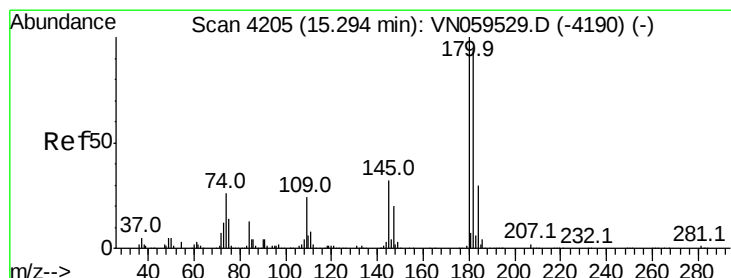
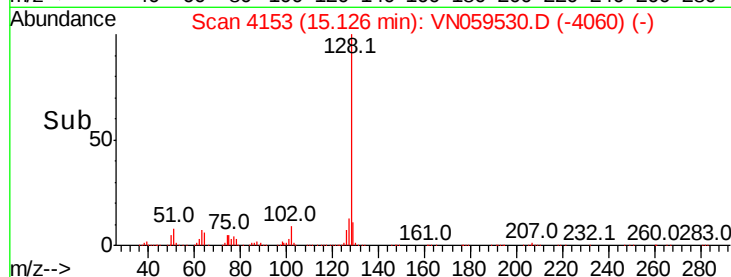
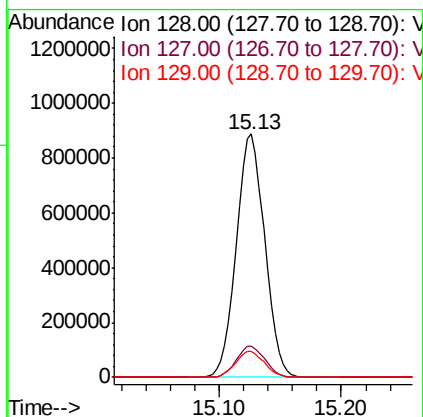
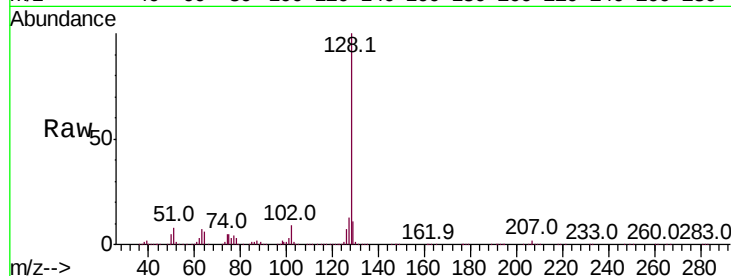




#95
Naphthalene
Concen: 115.745 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 1431214
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 104.427 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion:180 Resp: 471082
Ion Ratio Lower Upper
180 100
182 94.8 47.1 141.4
145 32.3 15.8 47.4

