

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059528.D
 Acq On : 9 Dec 2019 15:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 09 16:18:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:15:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	269050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	429876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	474048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209935	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	73279	21.95	ug/l	0.00
Spiked Amount						
			Recovery	=	43.90%	
35) Dibromofluoromethane	7.57	113	52462	20.07	ug/l	0.00
Spiked Amount						
			Recovery	=	40.14%	
50) Toluene-d8	10.08	98	247682	24.21	ug/l	0.00
Spiked Amount						
			Recovery	=	48.42%	
62) 4-Bromofluorobenzene	12.40	95	89486	24.29	ug/l	0.00
Spiked Amount						
			Recovery	=	48.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	61276	20.698	ug/l	98
3) Chloromethane	2.04	50	98878	24.471	ug/l	98
4) Vinyl Chloride	2.17	62	93272	34.247	ug/l	99
5) Bromomethane	2.54	94	56981	34.000	ug/l	99
6) Chloroethane	2.68	64	56845	35.727	ug/l	95
7) Trichlorofluoromethane	3.00	101	118275	36.412	ug/l	100
8) Diethyl Ether	3.38	74	36227	19.671	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57598	20.632	ug/l	99
10) Methyl Iodide	3.93	142	73957	21.110	ug/l	99
11) Tert butyl alcohol	4.75	59	61714	100.994	ug/l	99
12) 1,1-Dichloroethene	3.71	96	53526	19.760	ug/l	94
13) Acrolein	3.58	56	18226	38.777	ug/l	99
14) Allyl chloride	4.30	41	106821	19.856	ug/l	99
15) Acrylonitrile	4.95	53	167683	101.281	ug/l	99
16) Acetone	3.79	43	163529	74.492	ug/l	95
17) Carbon Disulfide	4.03	76	179826	19.311	ug/l	100
18) Methyl Acetate	4.29	43	90898	20.651	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	191481	20.546	ug/l	98
20) Methylene Chloride	4.52	84	65964	19.126	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	60299	19.781	ug/l	97
22) Diisopropyl ether	5.92	45	211821	21.116	ug/l	99
23) Vinyl Acetate	5.87	43	899480	111.224	ug/l	100
24) 1,1-Dichloroethane	5.82	63	119877	21.068	ug/l	98
25) 2-Butanone	6.81	43	241049	97.124	ug/l	99
26) 2,2-Dichloropropane	6.80	77	107658	21.669	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	68997	20.339	ug/l	99
28) Bromochloromethane	7.17	49	46581	25.693	ug/l	99
29) Tetrahydrofuran	7.18	42	163066	103.991	ug/l	99
30) Chloroform	7.35	83	118645	21.430	ug/l	96
31) Cyclohexane	7.63	56	111384	20.334	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	104940	21.737	ug/l	99
36) 1,1-Dichloropropene	7.77	75	90444	20.644	ug/l	99
37) Ethyl Acetate	6.90	43	102289	20.896	ug/l	99
38) Carbon Tetrachloride	7.75	117	91056	21.508	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059528.D
 Acq On : 9 Dec 2019 15:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 09 16:18:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:15:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	101319	19.373	ug/l	98
40) Benzene	8.02	78	260730	20.411	ug/l	99
41) Methacrylonitrile	7.18	41	146753	72.688	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	100041	22.552	ug/l	100
43) Isopropyl Acetate	8.14	43	156934	21.425	ug/l	99
44) Trichloroethene	8.82	130	65502	19.661	ug/l	98
45) 1,2-Dichloropropane	9.10	63	70936	20.750	ug/l	98
46) Dibromomethane	9.19	93	45832	21.418	ug/l	98
47) Bromodichloromethane	9.39	83	92106	21.391	ug/l	99
48) Methyl methacrylate	9.18	41	70134	21.261	ug/l	99
49) 1,4-Dioxane	9.19	88	18259	375.770	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	540906	124.663	ug/l	100
52) Toluene	10.15	92	188472	24.455	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	122301	24.220	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	110261	20.698	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	76146	25.023	ug/l	99
56) Ethyl methacrylate	10.42	69	111599	25.314	ug/l	92
57) 1,3-Dichloropropane	10.70	76	125546	23.761	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154213	119.722	ug/l	100
59) 2-Hexanone	10.74	43	396370	121.383	ug/l	95
60) Dibromochloromethane	10.90	129	81897	25.046	ug/l	100
61) 1,2-Dibromoethane	11.00	107	77653	24.633	ug/l	99
64) Tetrachloroethene	10.63	164	71585	18.639	ug/l	97
65) Chlorobenzene	11.43	112	198683	19.690	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74209	20.395	ug/l	99
67) Ethyl Benzene	11.51	91	357701	20.188	ug/l	100
68) m/p-Xylenes	11.62	106	278069	41.804	ug/l	99
69) o-Xylene	11.95	106	121267	19.143	ug/l	100
70) Styrene	11.96	104	192646	18.987	ug/l	99
71) Bromoform	12.12	173	59035	20.535	ug/l #	99
73) Isopropylbenzene	12.25	105	358203	22.386	ug/l	99
74) N-amyl acetate	12.07	43	147501	22.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	120482	23.195	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	160258	31.245	ug/l #	100
77) Bromobenzene	12.53	156	85397	21.076	ug/l	94
78) n-propylbenzene	12.59	91	423806	22.531	ug/l	100
79) 2-Chlorotoluene	12.67	91	246901	21.743	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	306795	22.653	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42592	22.538	ug/l	95
82) 4-Chlorotoluene	12.77	91	258252	21.954	ug/l	100
83) tert-Butylbenzene	12.99	119	249239	21.222	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	300614	22.654	ug/l	100
85) sec-Butylbenzene	13.17	105	343139	21.984	ug/l	100
86) p-Isopropyltoluene	13.29	119	302975	21.587	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	152177	21.102	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	132723	18.228	ug/l	99
89) n-Butylbenzene	13.62	91	244081	19.355	ug/l	97
90) Hexachloroethane	13.88	117	47855	17.695	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	124331	18.011	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22938	18.298	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
Data File : VN059528.D
Acq On : 9 Dec 2019 15:30
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 09 16:18:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 09 16:15:10 2019
Response via : Initial Calibration

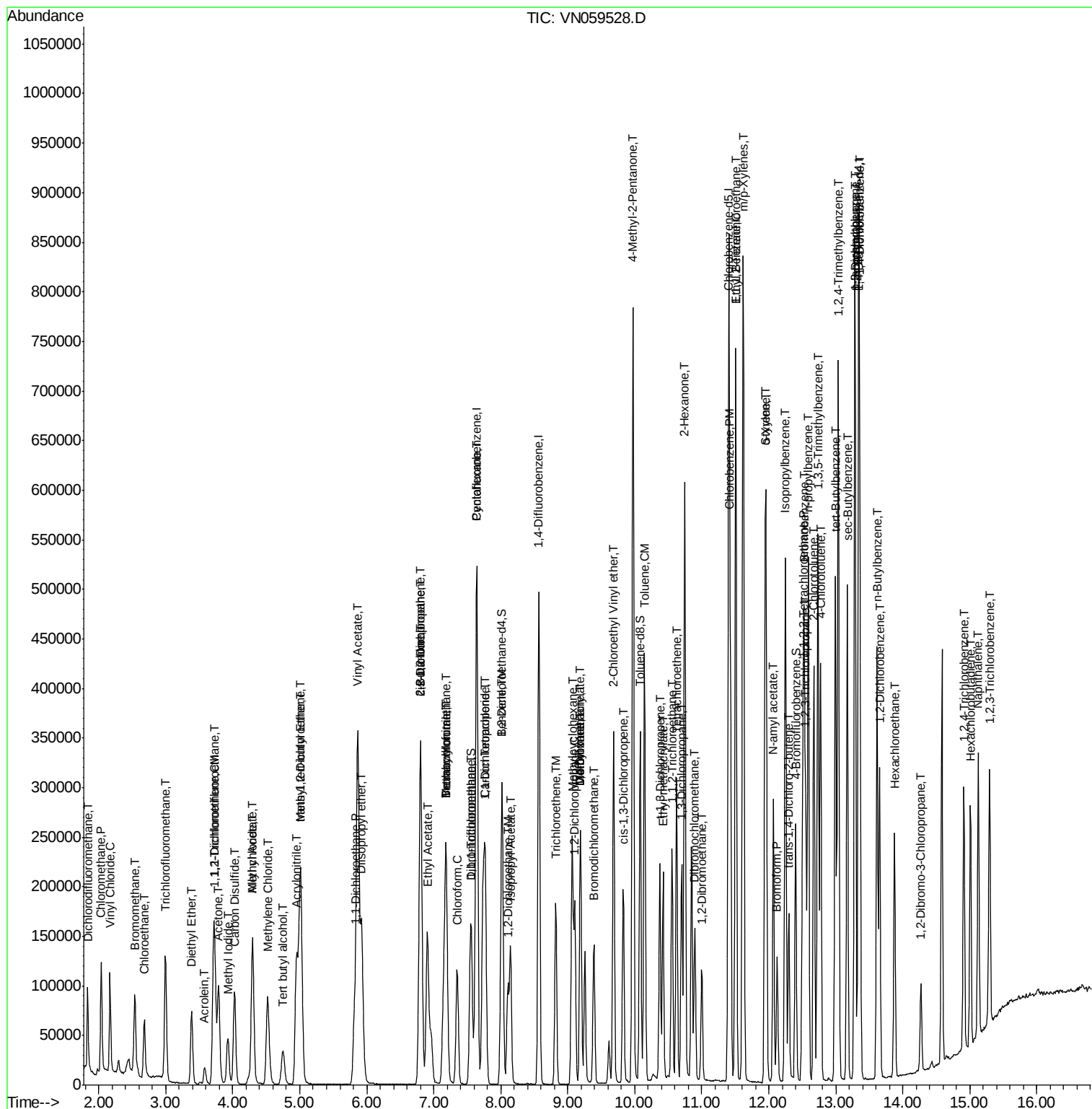
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79401	18.288	ug/l	99
94) Hexachlorobutadiene	15.01	225	43328	16.030	ug/l	98
95) Naphthalene	15.13	128	227378	17.861	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	77828	16.758	ug/l	98

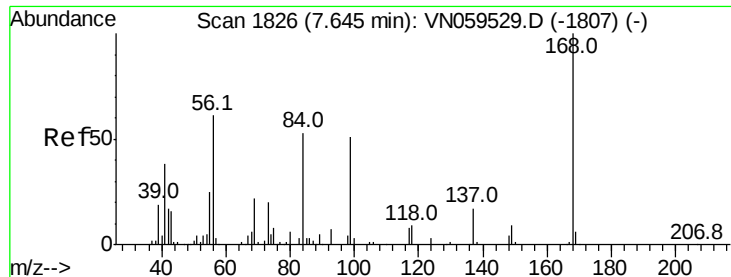
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059528.D
 Acq On : 9 Dec 2019 15:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 09 16:18:16 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:15:10 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

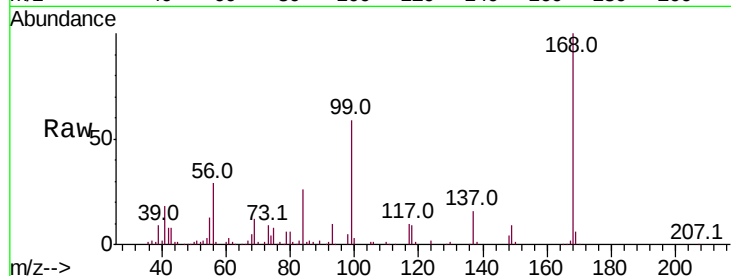
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 269050

Ion Ratio Lower Upper

168 100

99 58.4 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

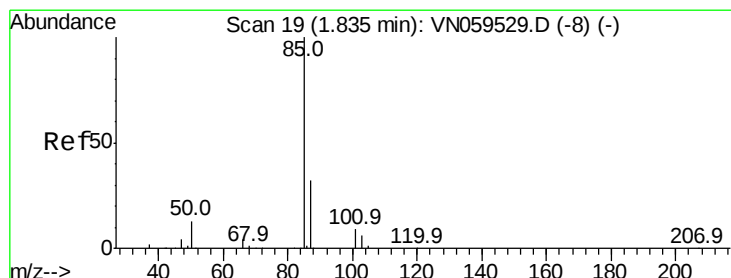
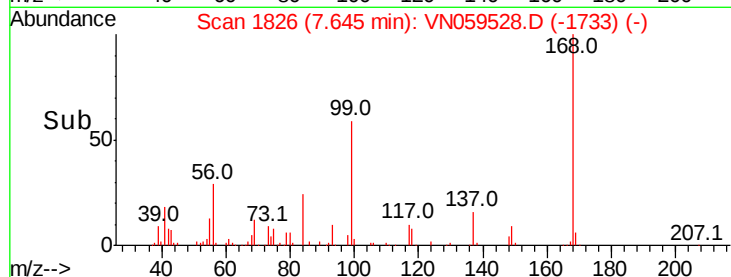
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.698 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059528.D

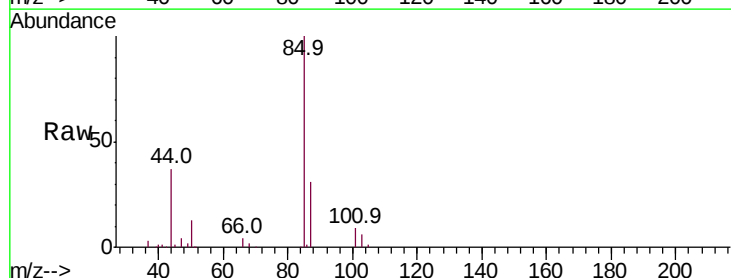
Acq: 9 Dec 2019 15:30

Tgt Ion: 85 Resp: 61276

Ion Ratio Lower Upper

85 100

87 31.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

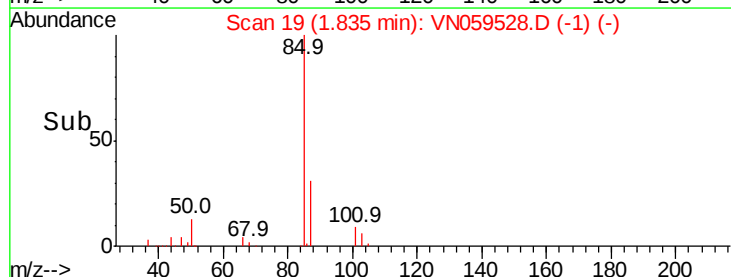
20000

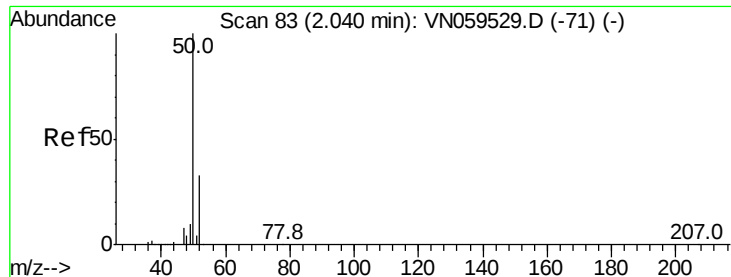
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 24.471 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

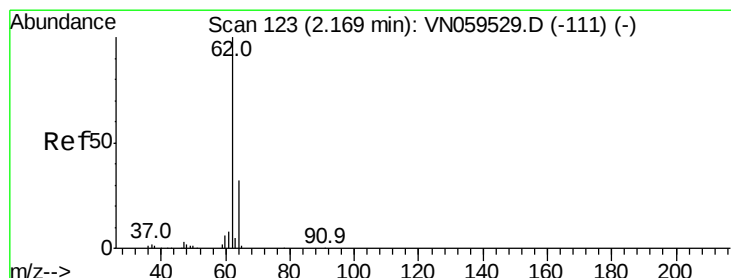
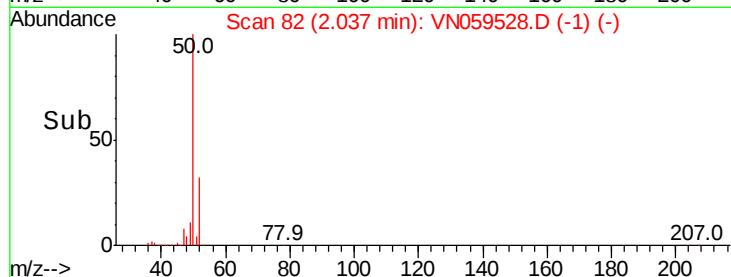
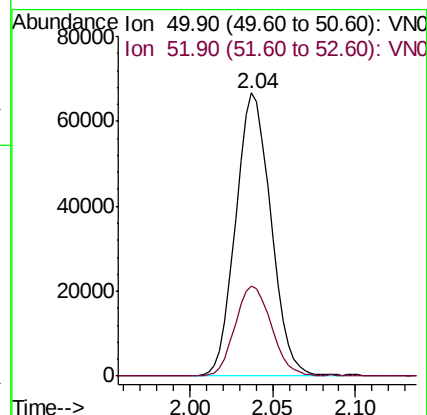
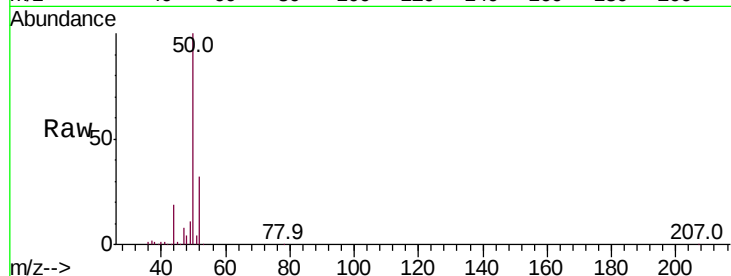
ClientSampleId :

Tot Ion: 50 Resp: 98878

Ion Ratio Lower Upper

50 100

52 31.9 26.2 39.4



#4

Vinyl Chloride

Concen: 34.247 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059528.D

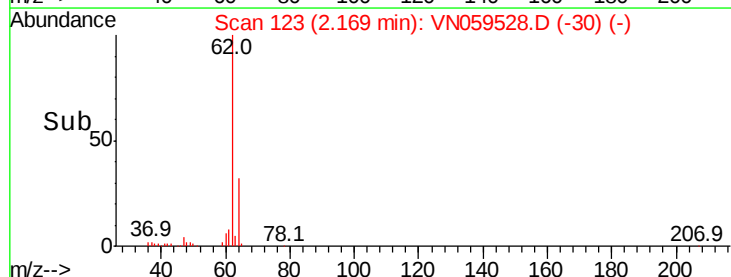
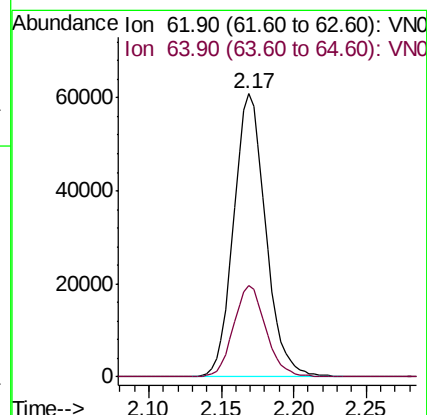
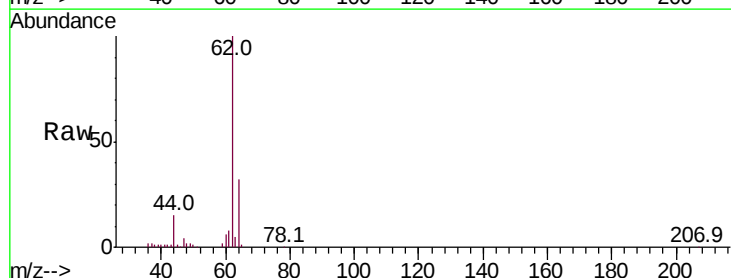
Acq: 9 Dec 2019 15:30

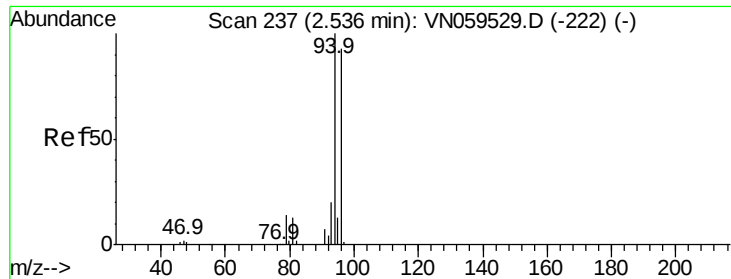
Tgt Ion: 62 Resp: 93272

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 34.000 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

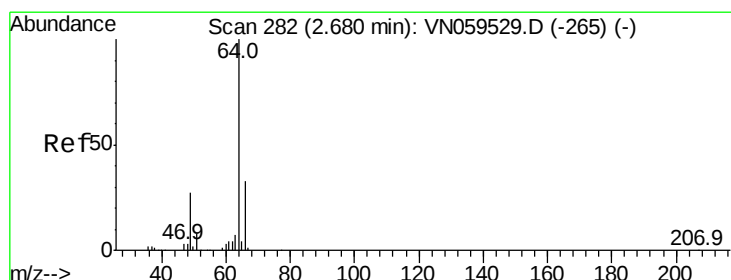
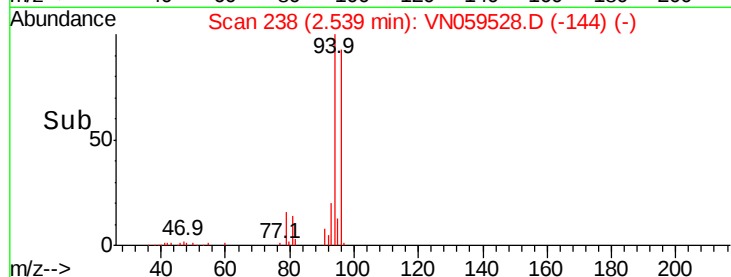
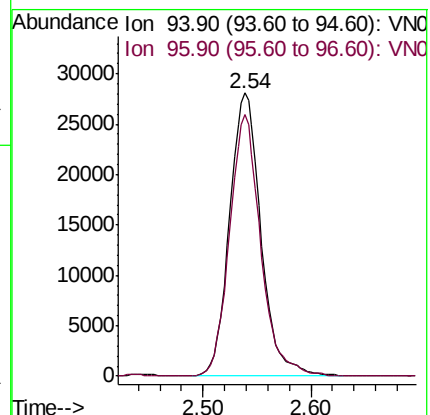
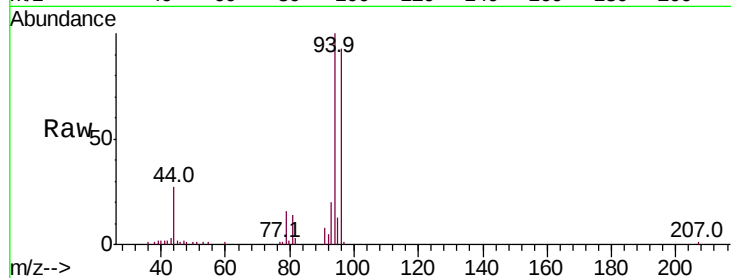
ClientSampled :

Tot Ion: 94 Resp: 56981

Ion Ratio Lower Upper

94 100

96 92.6 74.6 112.0



#6

Chloroethane

Concen: 35.727 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059528.D

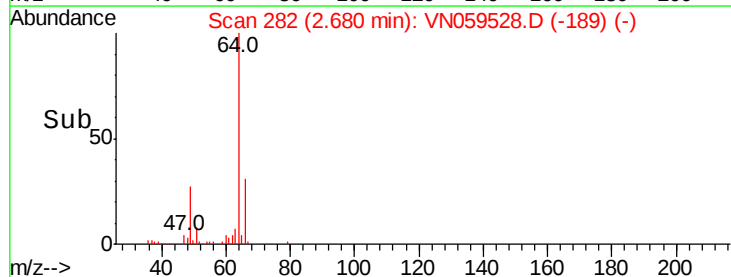
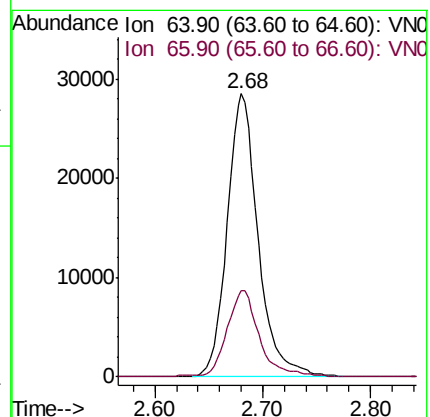
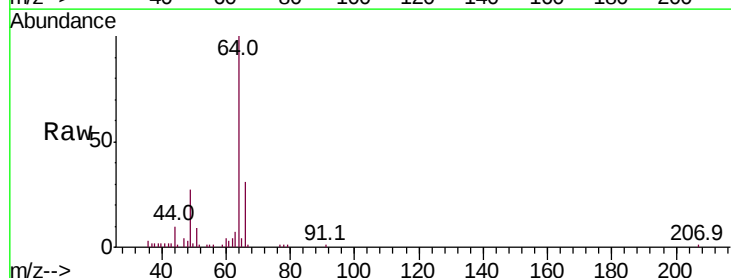
Acq: 9 Dec 2019 15:30

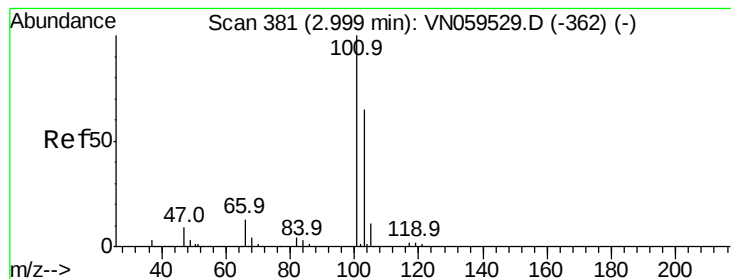
Tgt Ion: 64 Resp: 56845

Ion Ratio Lower Upper

64 100

66 30.6 26.7 40.1



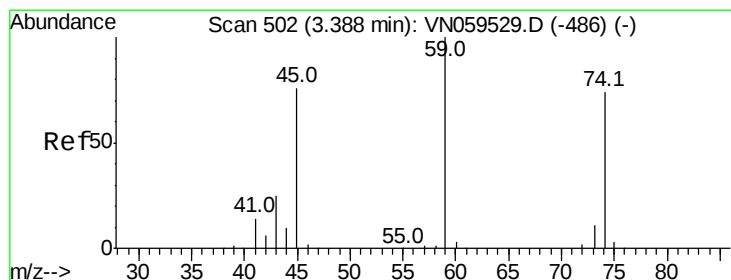
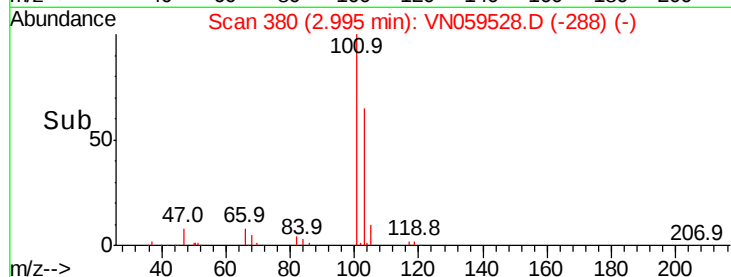
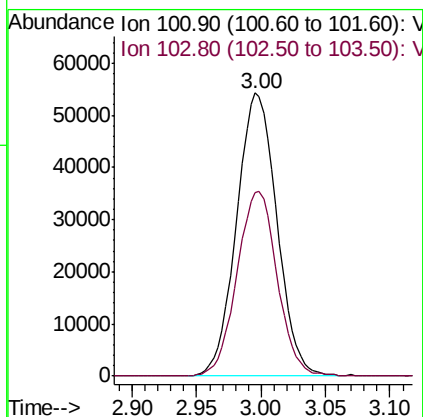
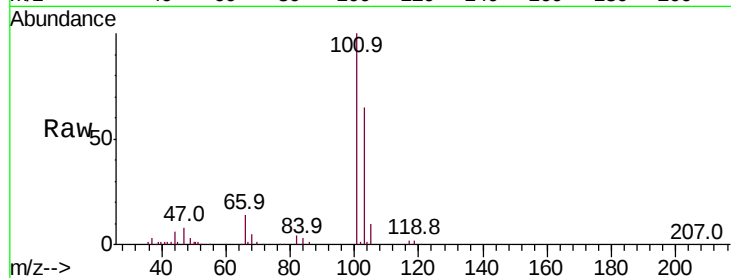


#7

Trichlorofluoromethane
Concen: 36.412 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampled :

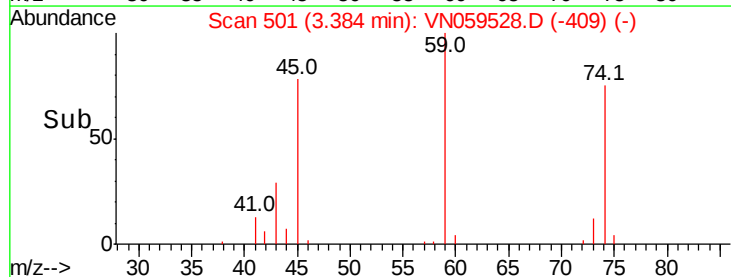
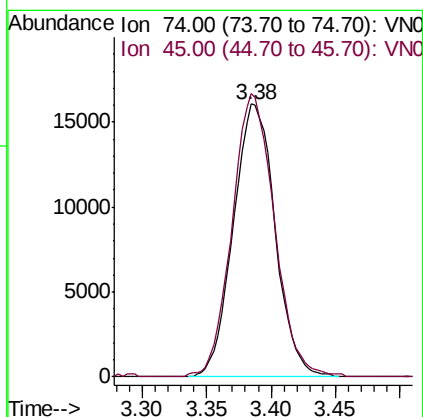
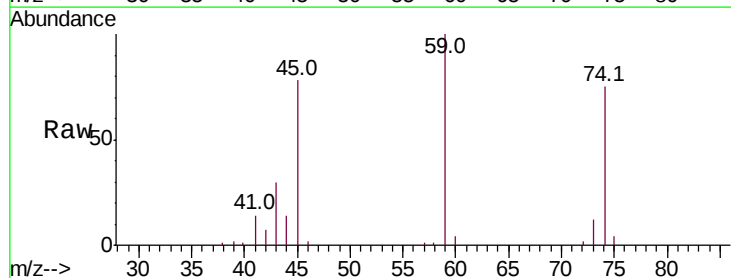
Tot Ion:101 Resp: 118275
Ion Ratio Lower Upper
101 100
103 64.9 52.2 78.4

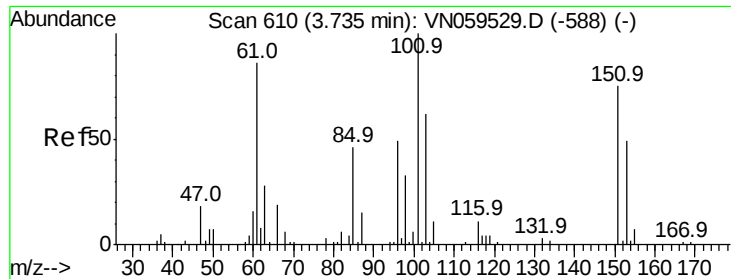


#8

Diethyl Ether
Concen: 19.671 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 74 Resp: 36227
Ion Ratio Lower Upper
74 100
45 105.2 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.632 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampled :

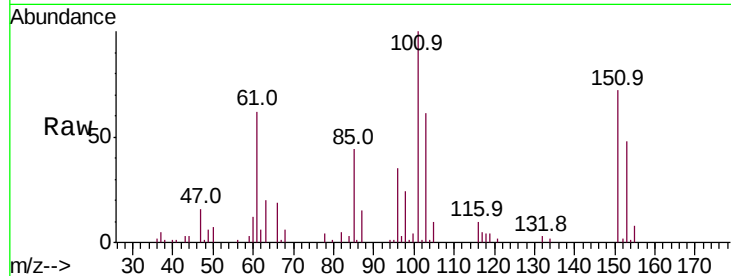
Tot Ion:101 Resp: 57598

Ion Ratio Lower Upper

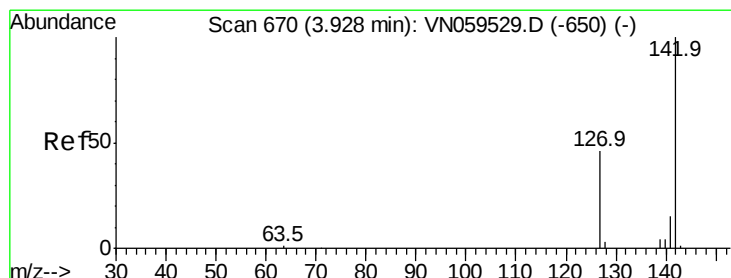
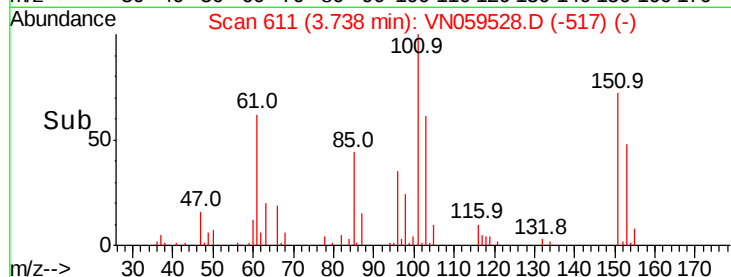
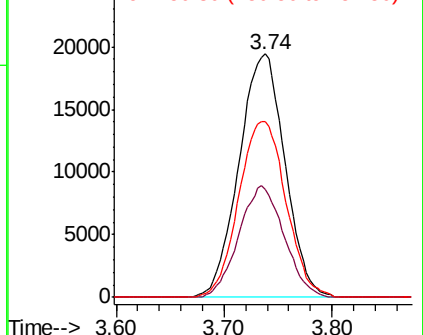
101 100

85 44.9 36.6 54.8

151 74.3 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: 21.110 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

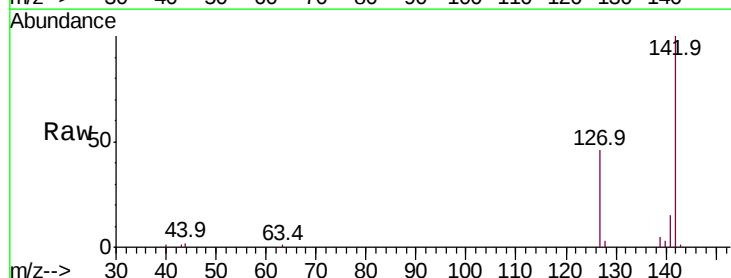
Tgt Ion:142 Resp: 73957

Ion Ratio Lower Upper

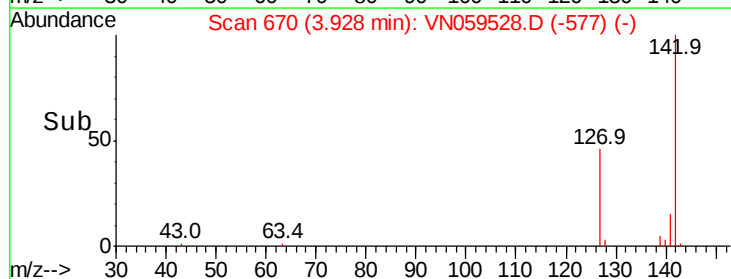
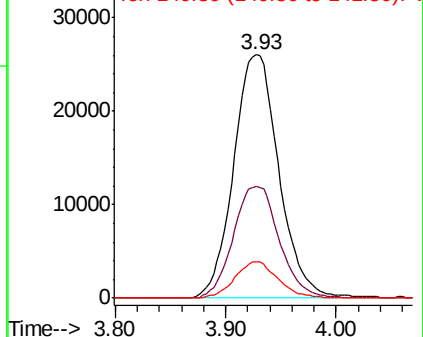
142 100

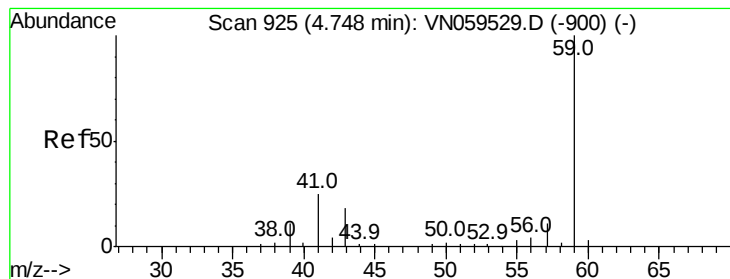
127 46.6 36.6 54.8

141 14.2 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



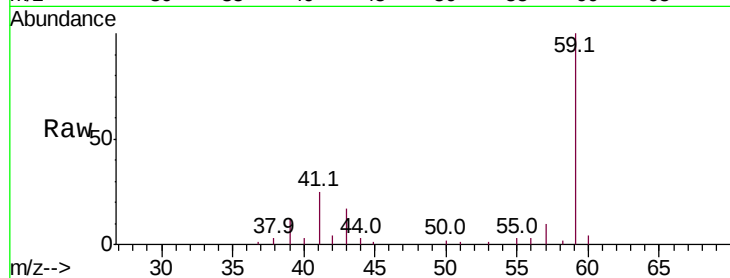


#11

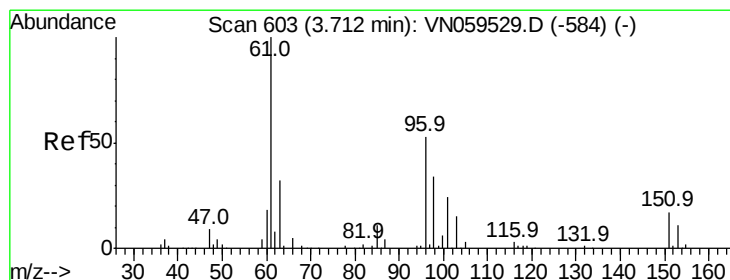
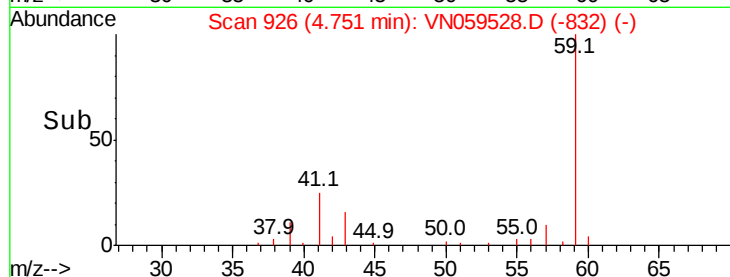
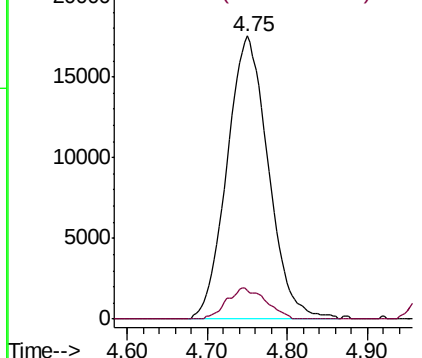
Tert butyl alcohol
Concen: 100.994 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 59 Resp: 61714
Ion Ratio Lower Upper
59 100
57 10.4 8.6 13.0



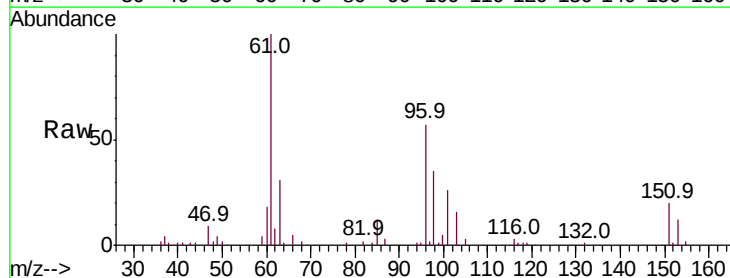
Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0



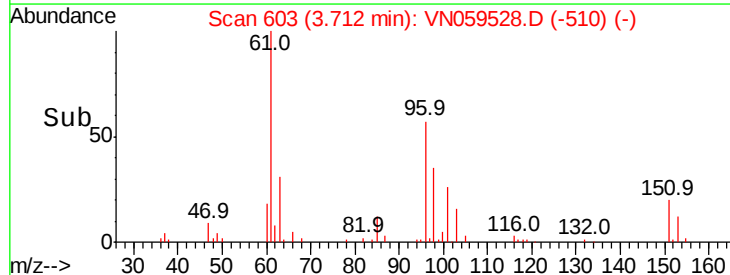
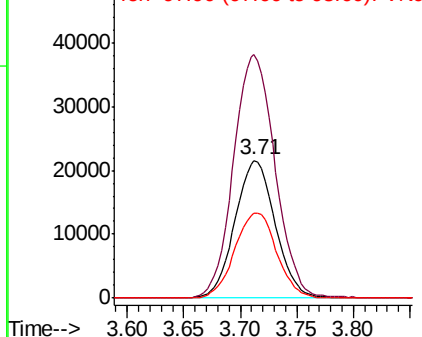
#12

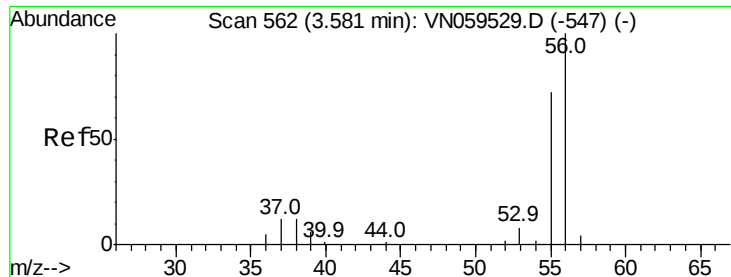
1,1-Dichloroethene
Concen: 19.760 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 96 Resp: 53526
Ion Ratio Lower Upper
96 100
61 176.5 149.8 224.6
98 61.3 50.6 75.8



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





#13

Acrolein

Concen: 38.777 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

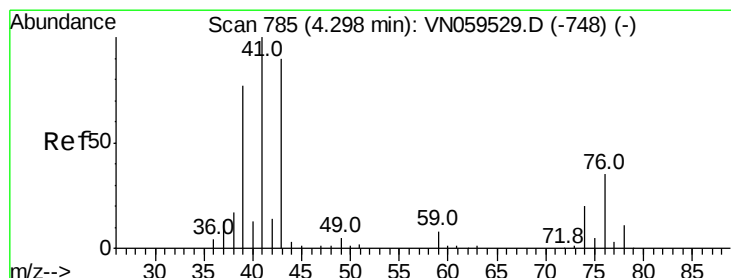
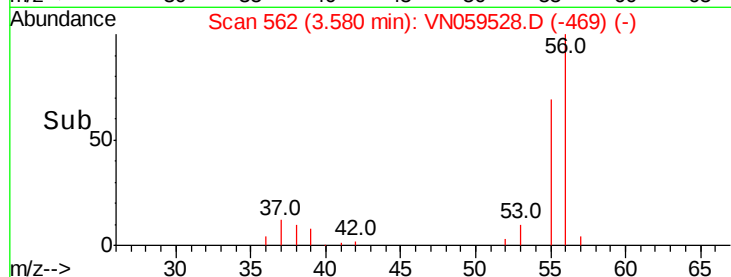
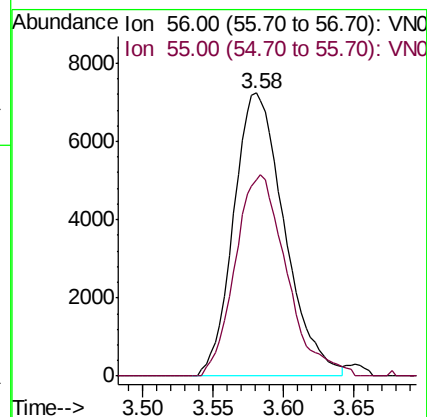
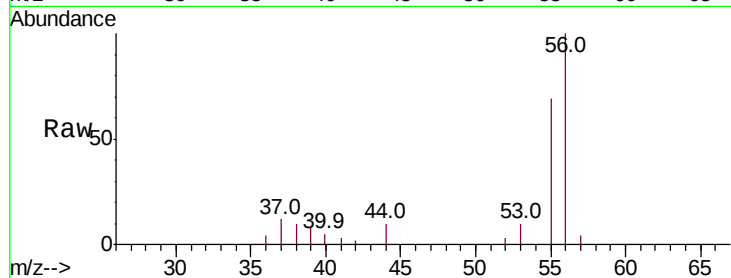
ClientSampleId :

Tot Ion: 56 Resp: 18226

Ion Ratio Lower Upper

56 100

55 71.9 56.9 85.3



#14

Allyl chloride

Concen: 19.856 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

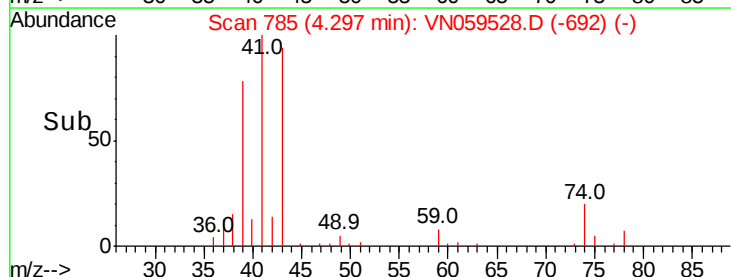
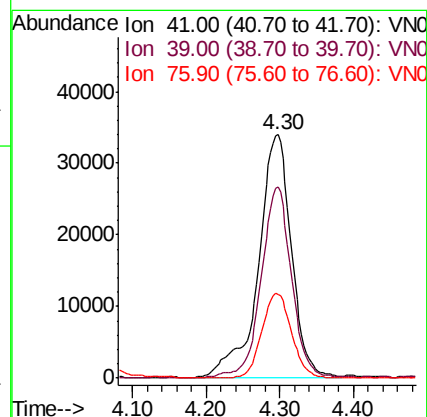
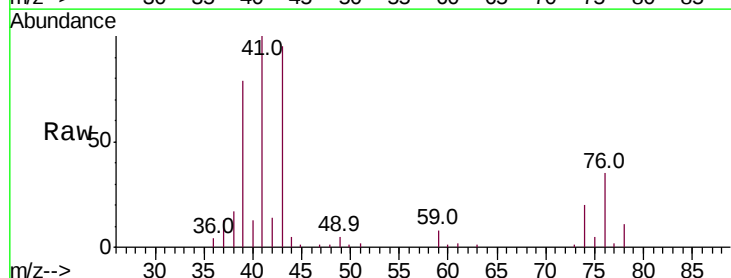
Tgt Ion: 41 Resp: 106821

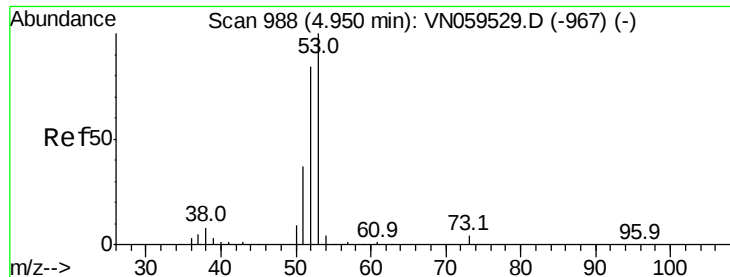
Ion Ratio Lower Upper

41 100

39 71.8 56.7 85.1

76 31.0 25.5 38.3





#15

Acrylonitrile

Concen: 101.281 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

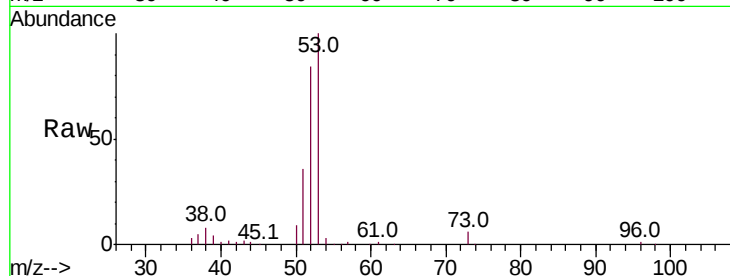
Tot Ion: 53 Resp: 167683

Ion Ratio Lower Upper

53 100

52 82.9 66.6 99.8

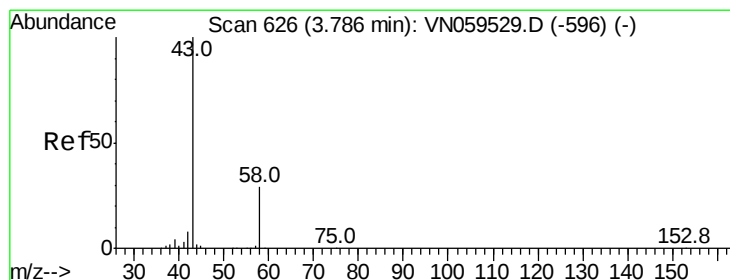
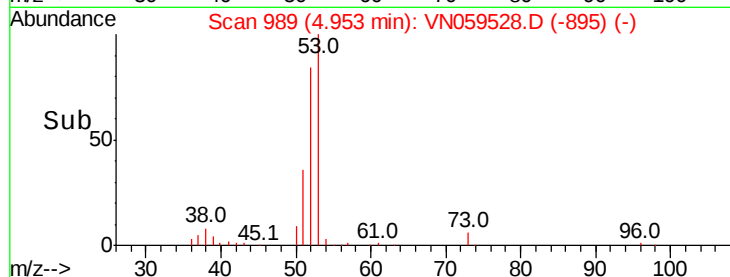
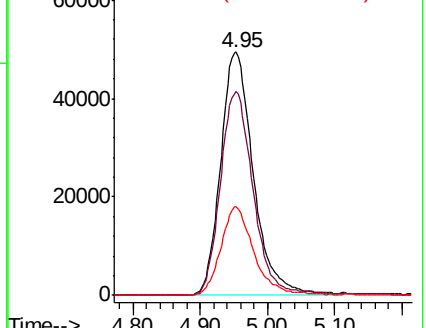
51 36.8 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 74.492 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059528.D

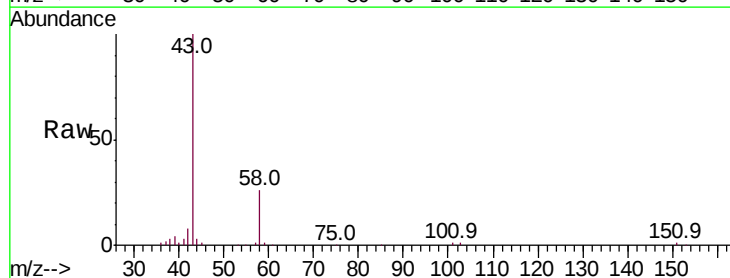
Acq: 9 Dec 2019 15:30

Tgt Ion: 43 Resp: 163529

Ion Ratio Lower Upper

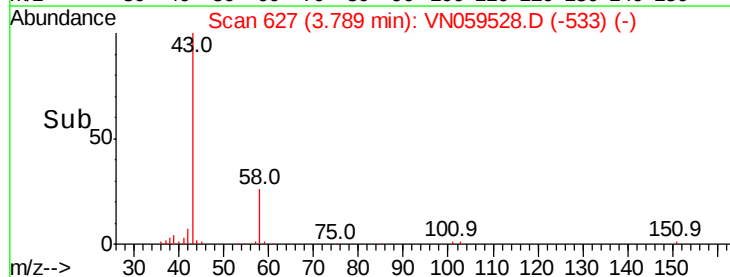
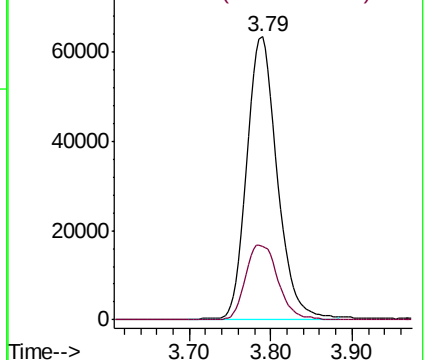
43 100

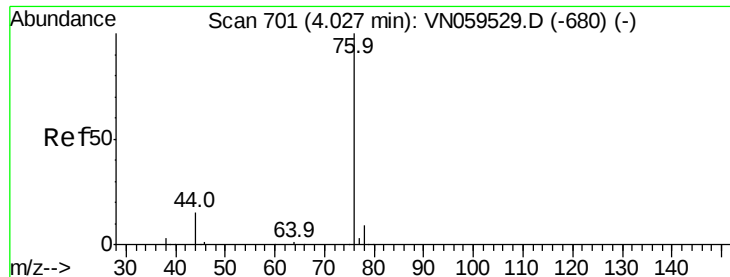
58 26.1 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

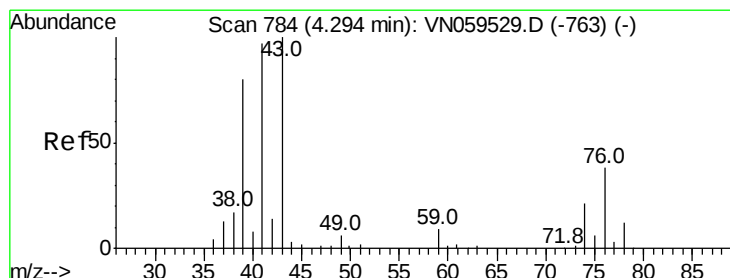
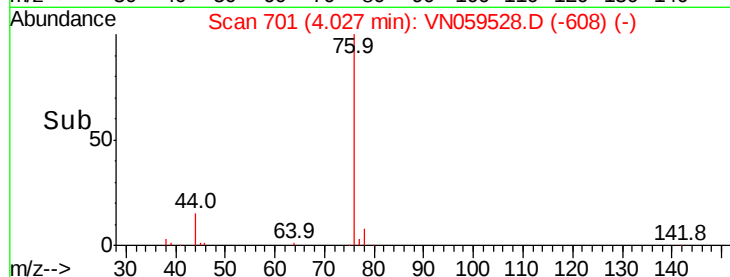
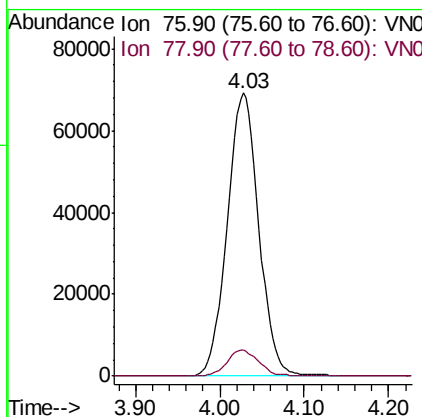
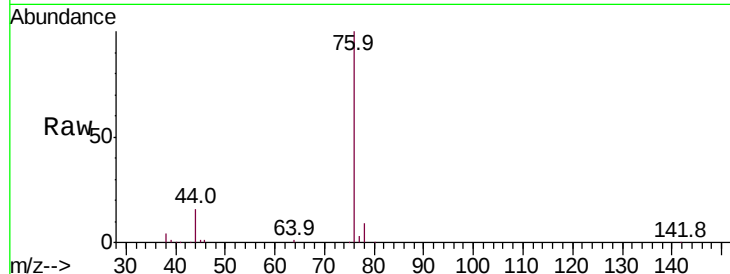




#17
Carbon Disulfide
Concen: 19.311 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

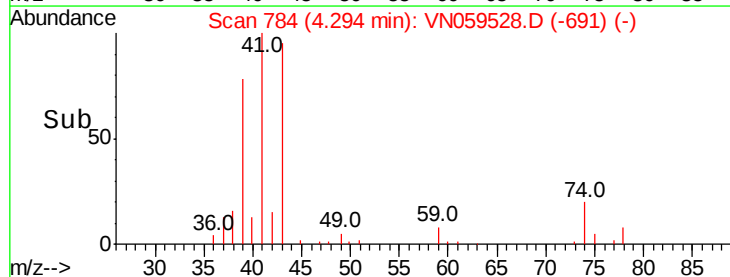
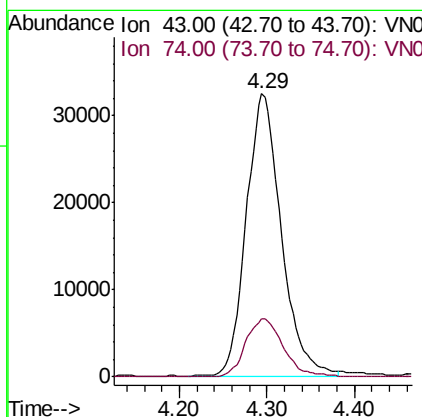
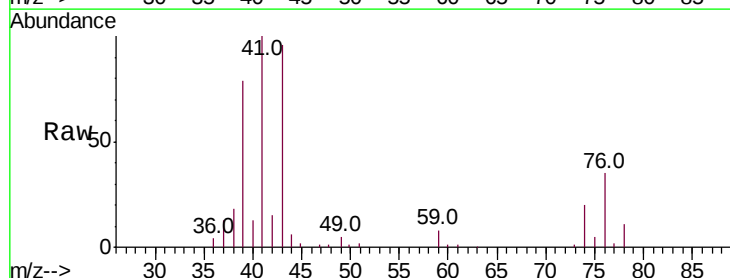
Instrument :
MSVOA_N
ClientSampleId :

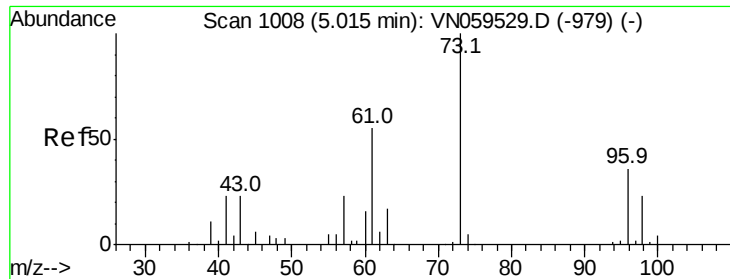
Tot Ion: 76 Resp: 179826
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 20.651 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 43 Resp: 90898
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3

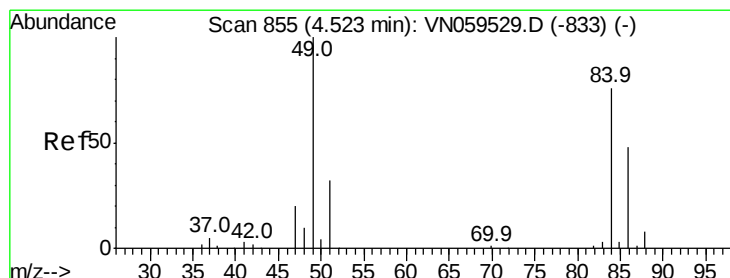
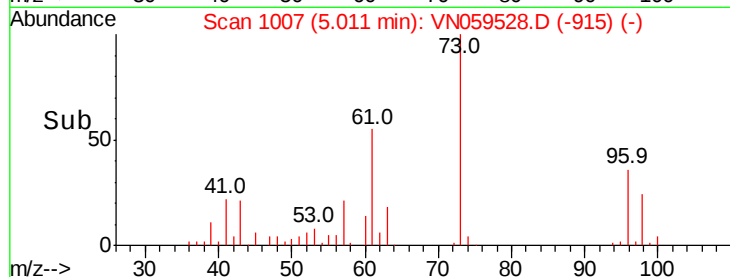
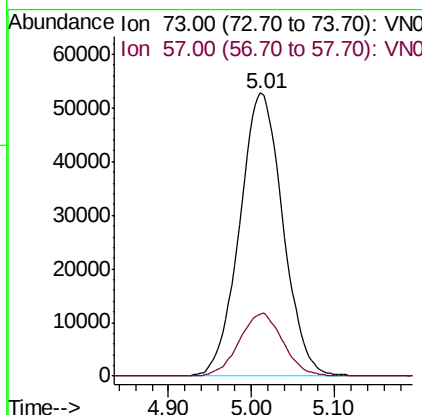
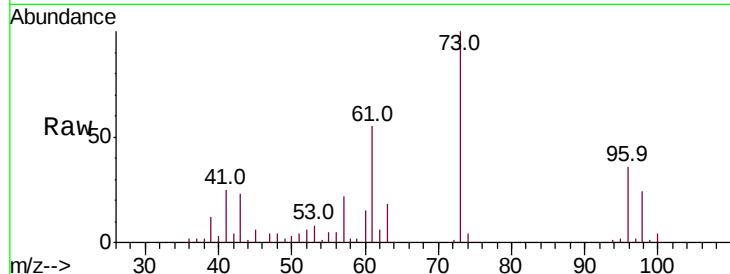




#19
Methvl tert-butvl Ether
Concen: 20.546 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

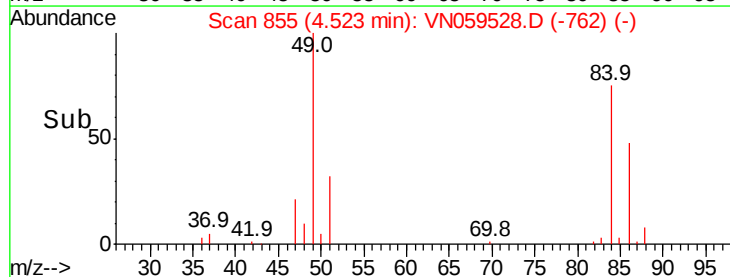
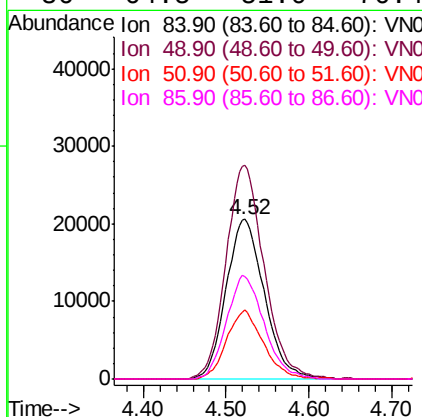
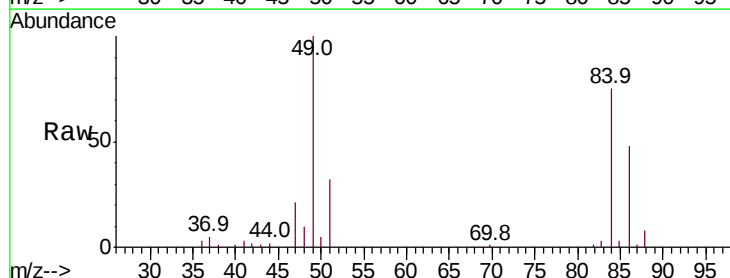
Instrument :
MSVOA_N
ClientSampled :

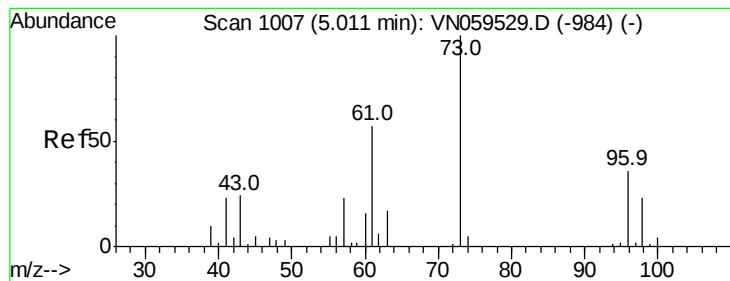
Tot Ion: 73 Resp: 191481
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5



#20
Methylene Chloride
Concen: 19.126 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 84 Resp: 65964
Ion Ratio Lower Upper
84 100
49 133.8 105.8 158.8
51 43.2 33.7 50.5
86 64.5 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.781 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

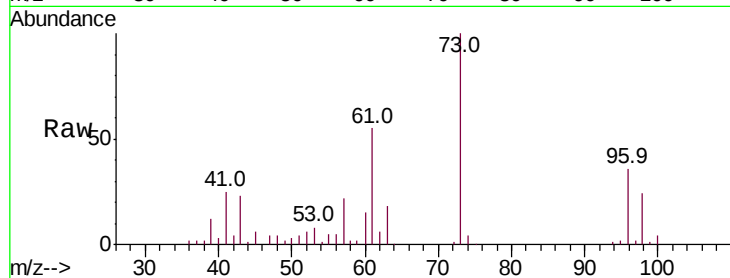
Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 60299

Ion	Ratio	Lower	Upper
96	100		
61	151.6	124.8	187.2
98	66.5	51.0	76.4

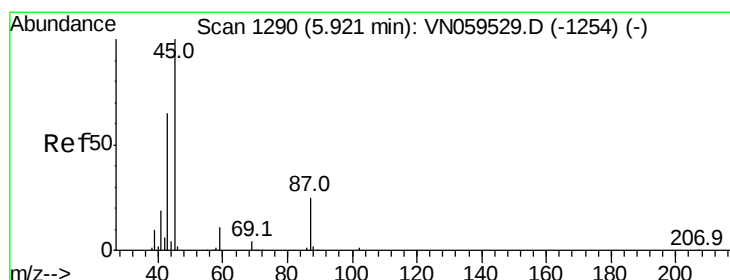
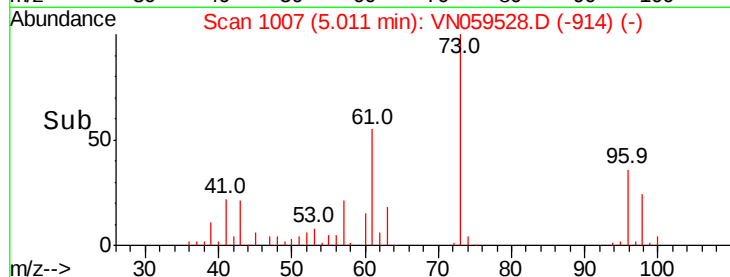
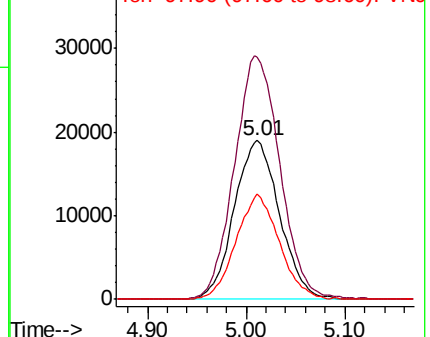


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.116 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion: 45 Resp: 211821

Ion	Ratio	Lower	Upper
45	100		
43	65.3	52.8	79.2
87	25.1	20.2	30.4
59	10.3	9.1	13.7

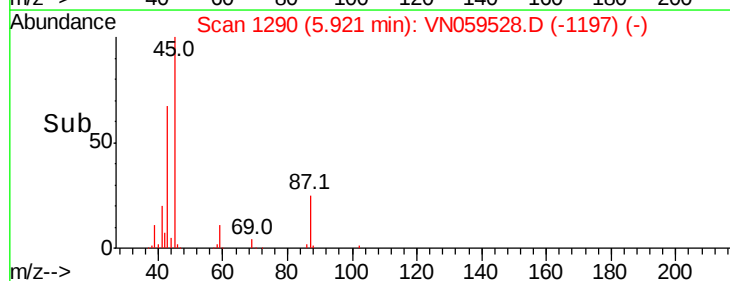
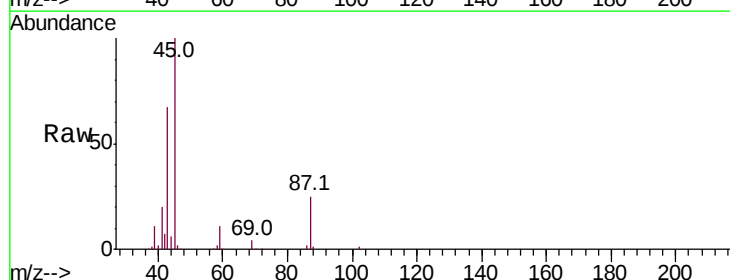
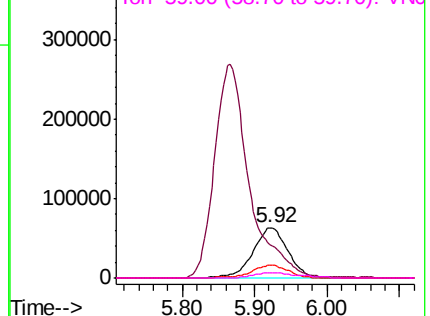
Abundance

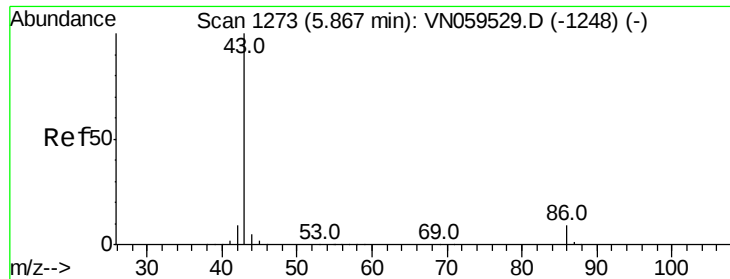
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 111.224 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

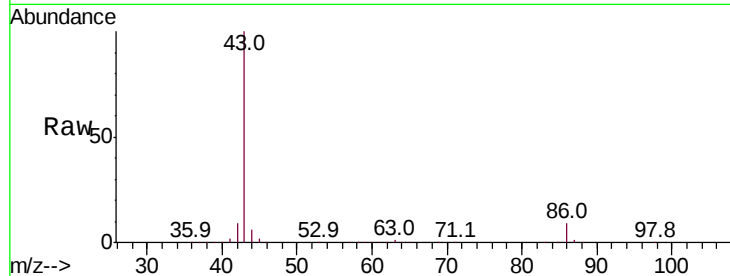
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 899480

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

300000

250000

200000

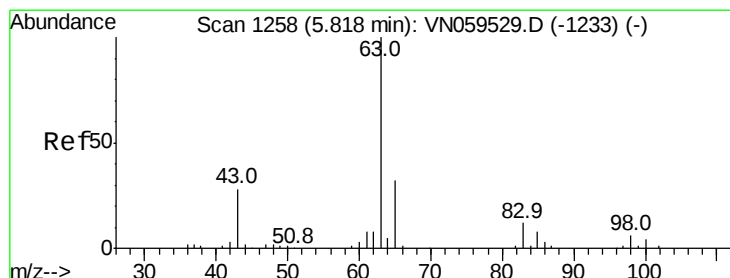
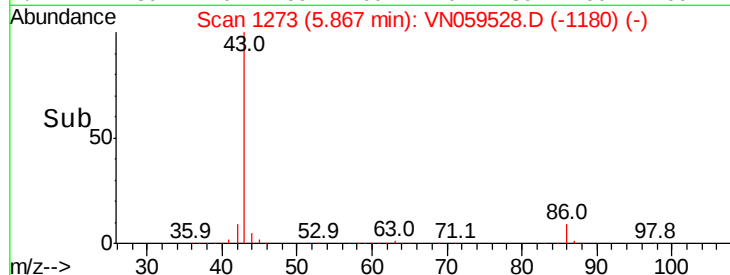
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 21.068 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

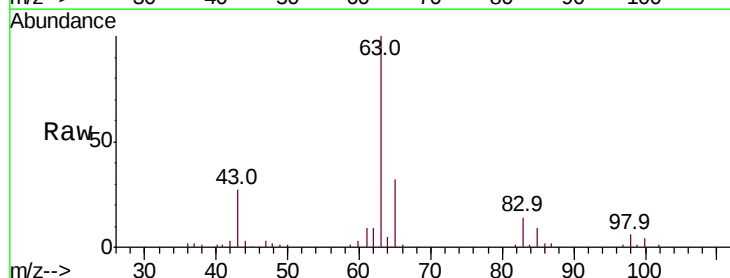
Tgt Ion: 63 Resp: 119877

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.0

100 4.1 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

50000

40000

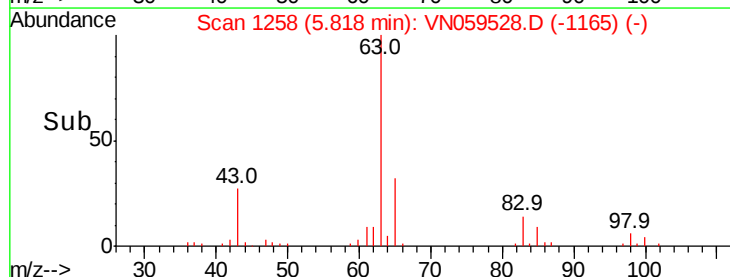
30000

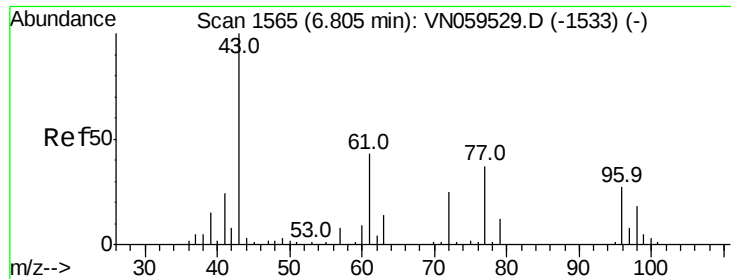
20000

10000

0

Time--> 5.70 5.80 5.90

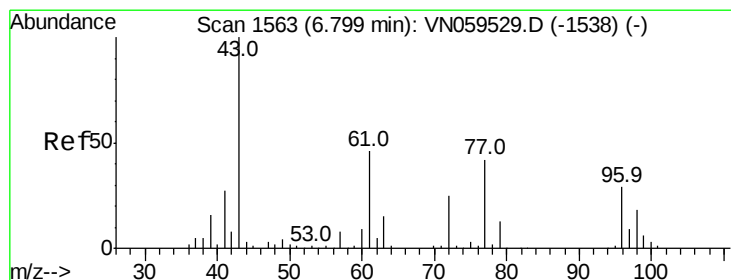
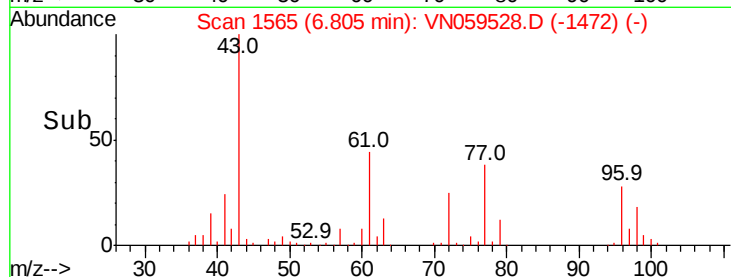
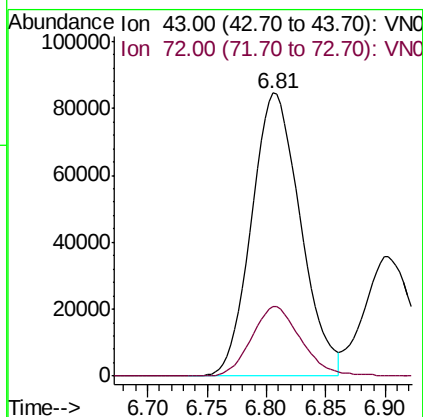
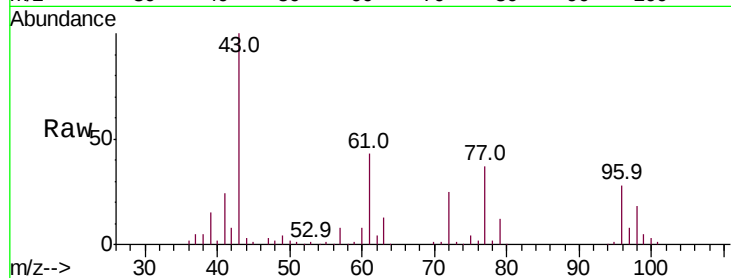




#25
2-Butanone
Concen: 97.124 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

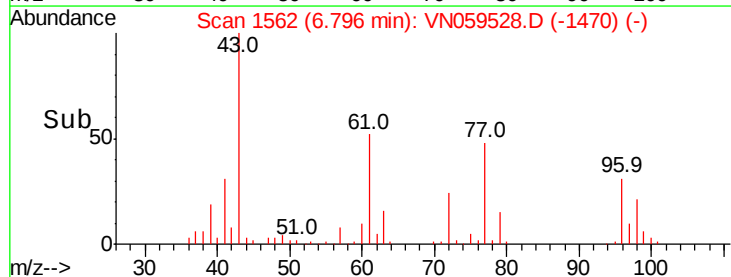
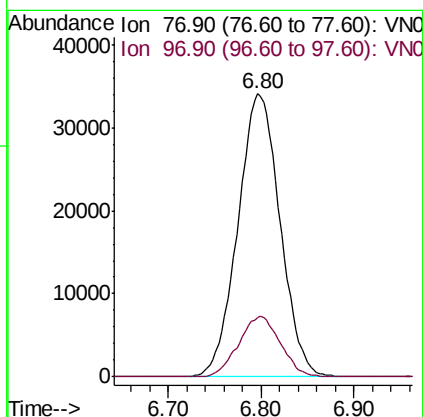
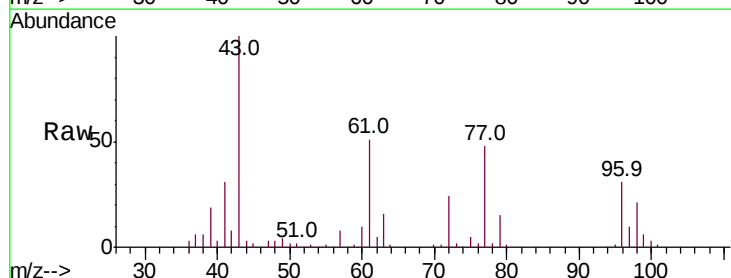
Instrument :
MSVOA_N
ClientSampled :

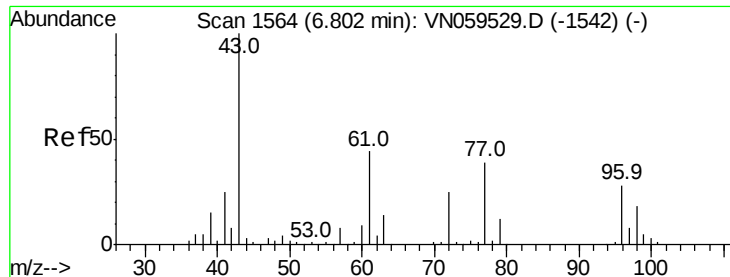
Tot Ion: 43 Resp: 241049
Ion Ratio Lower Upper
43 100
72 24.5 19.9 29.9



#26
2,2-Dichloropropane
Concen: 21.669 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 77 Resp: 107658
Ion Ratio Lower Upper
77 100
97 21.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.339 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampled :

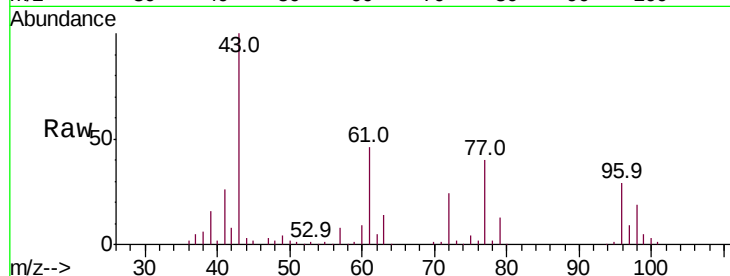
Tot Ion: 96 Resp: 68997

Ion Ratio Lower Upper

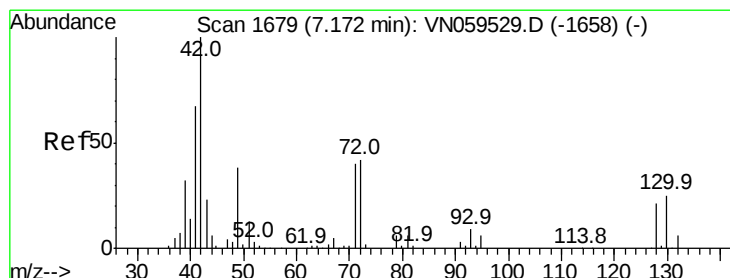
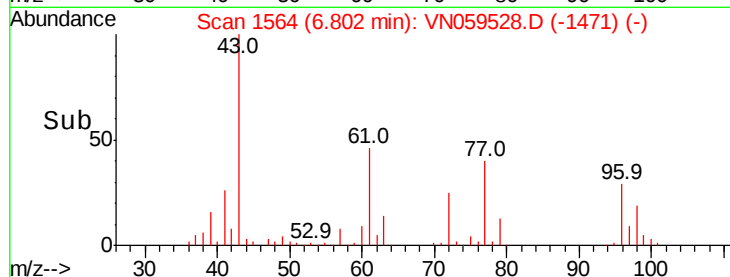
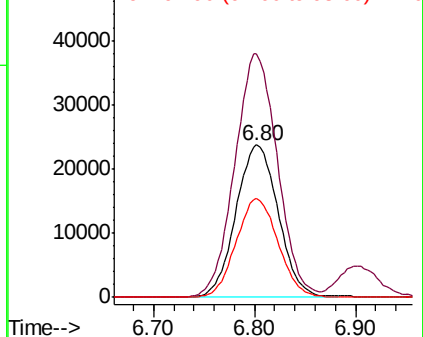
96 100

61 161.2 0.0 320.0

98 64.2 0.0 128.6



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



#28

Bromochloromethane

Concen: 25.693 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

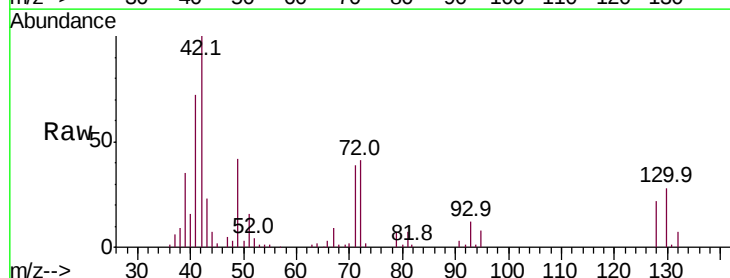
Tgt Ion: 49 Resp: 46581

Ion Ratio Lower Upper

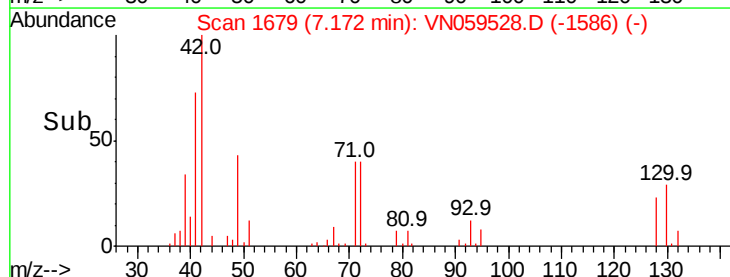
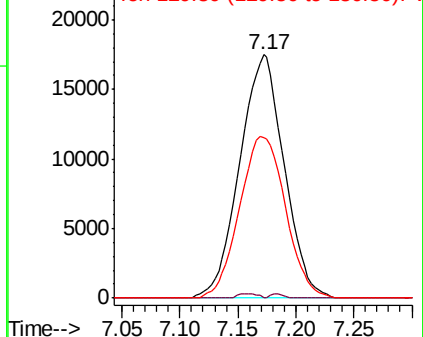
49 100

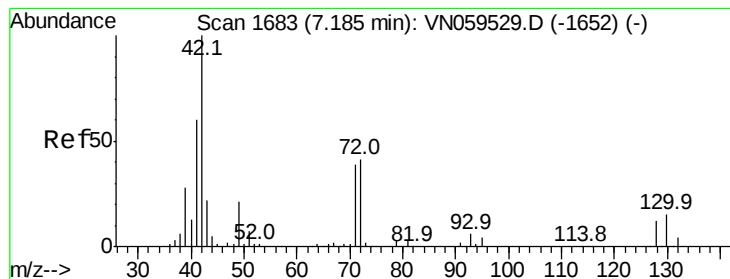
129 0.5 0.0 3.0

130 68.7 54.2 81.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

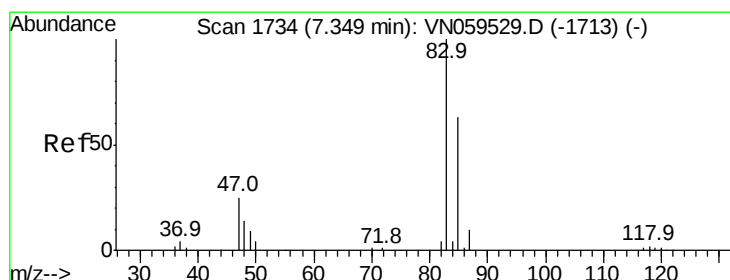
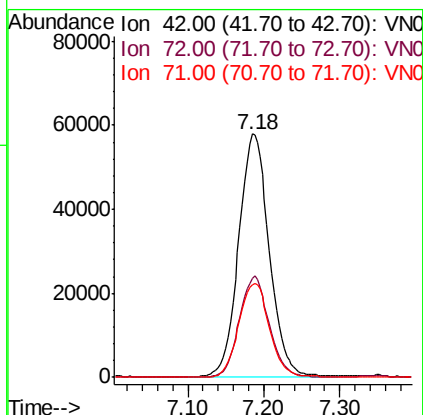
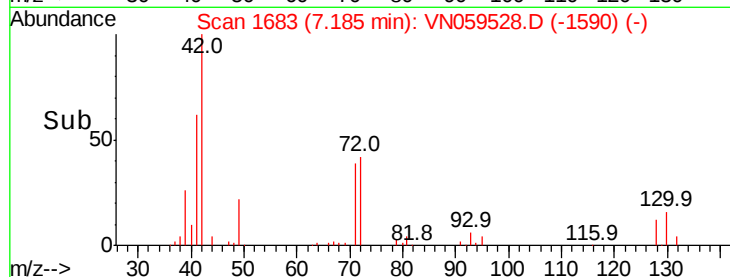
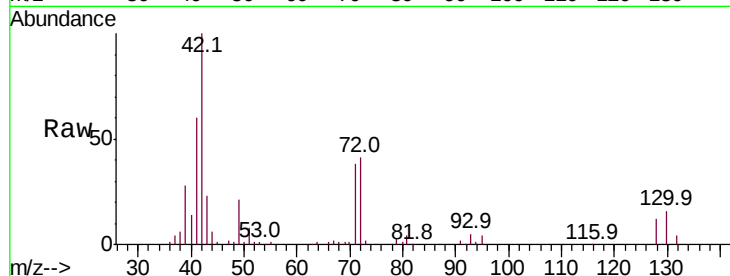




#29
Tetrahydrofuran
Concen: 103.991 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

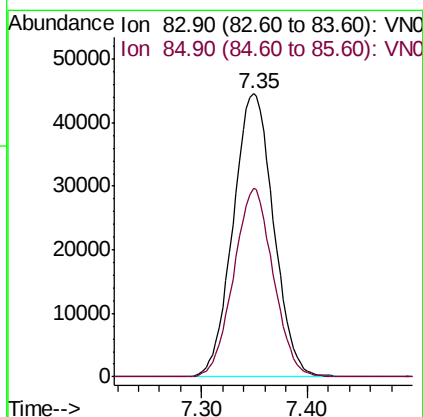
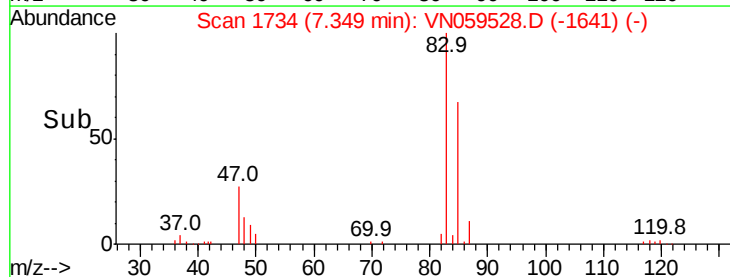
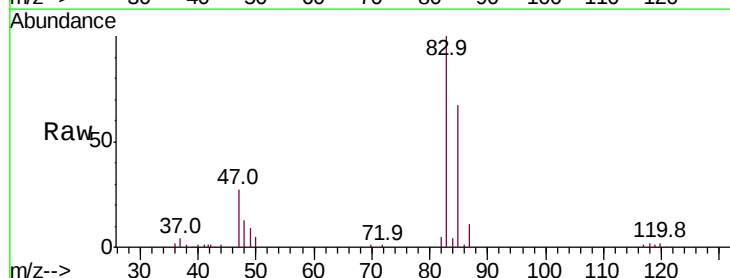
Instrument :
MSVOA_N
ClientSampled :

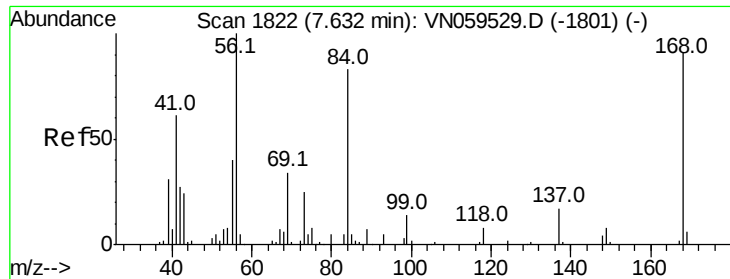
Tot Ion: 42 Resp: 163066
Ion Ratio Lower Upper
42 100
72 40.3 32.7 49.1
71 38.5 31.4 47.2



#30
Chloroform
Concen: 21.430 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 83 Resp: 118645
Ion Ratio Lower Upper
83 100
85 66.7 50.6 75.8

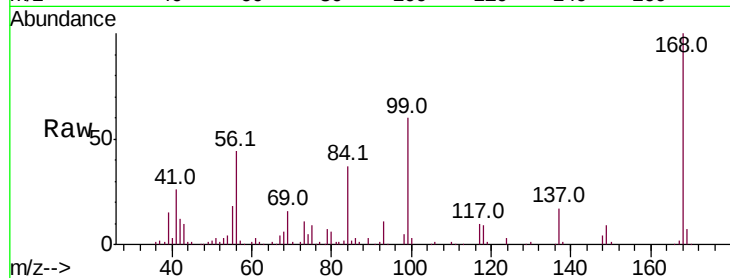




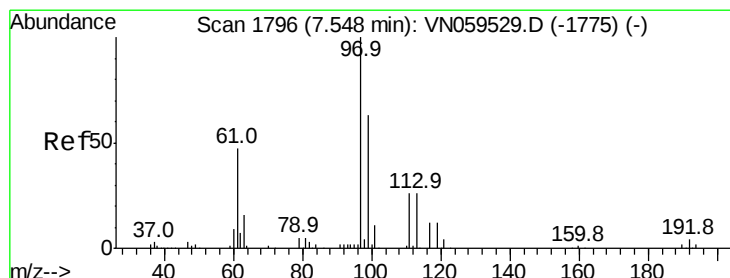
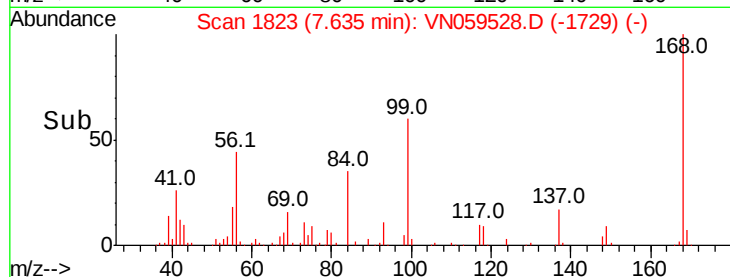
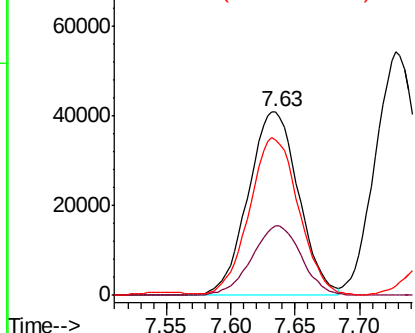
#31
Cyclohexane
Concen: 20.334 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 111384
Ion Ratio Lower Upper
56 100
69 37.8 26.9 40.3
84 83.5 66.5 99.7

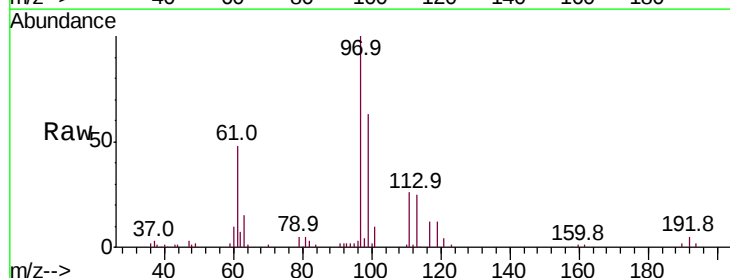


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

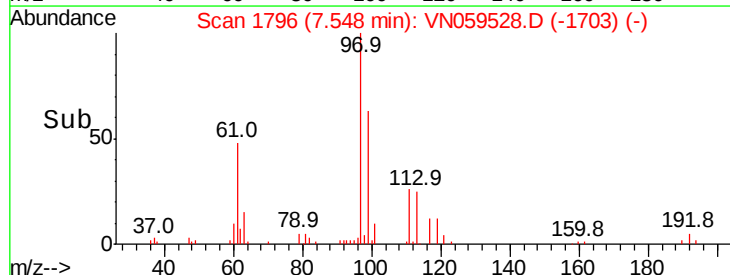
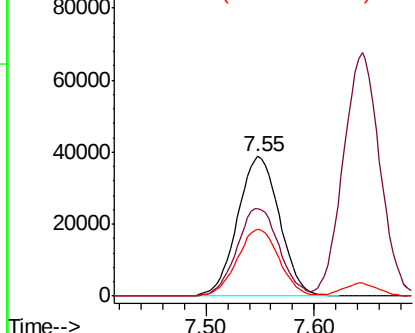


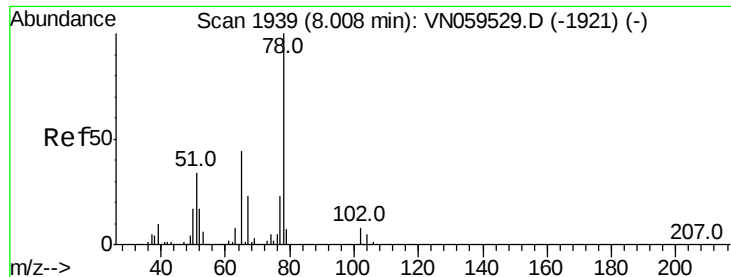
#32
1,1,1-Trichloroethane
Concen: 21.737 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 97 Resp: 104940
Ion Ratio Lower Upper
97 100
99 63.3 51.4 77.2
61 47.9 38.5 57.7



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





#33

1,2-Dichloroethane-d4

Concen: 21.951 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

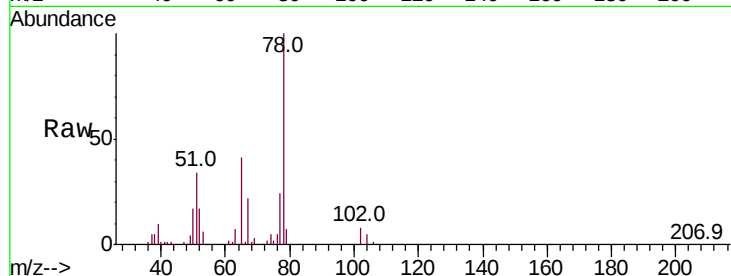
Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :

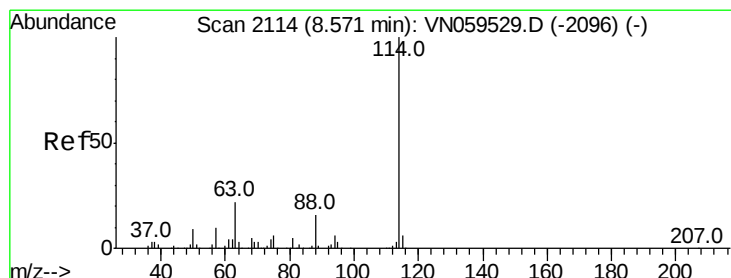
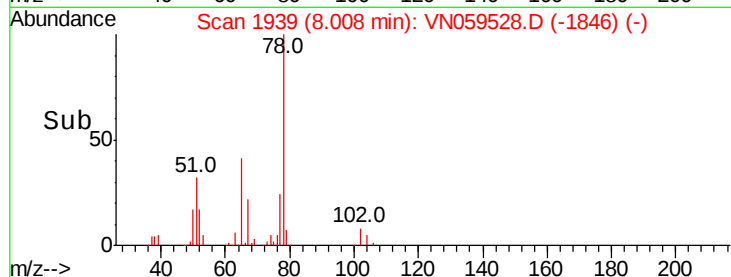
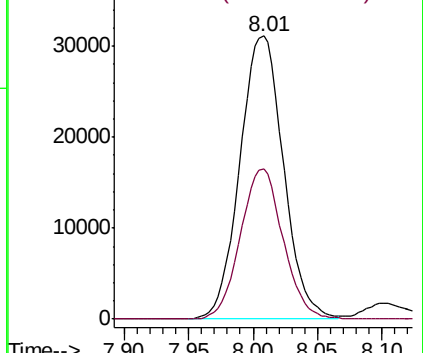
Tot Ion: 65 Resp: 73279

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

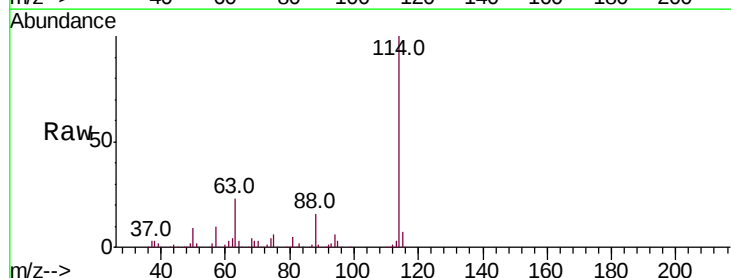
Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion:114 Resp: 429876

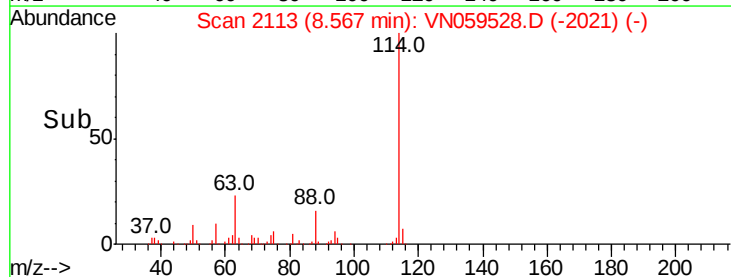
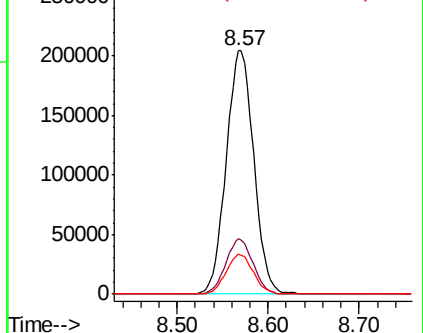
Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.0
88	16.2	0.0	32.2

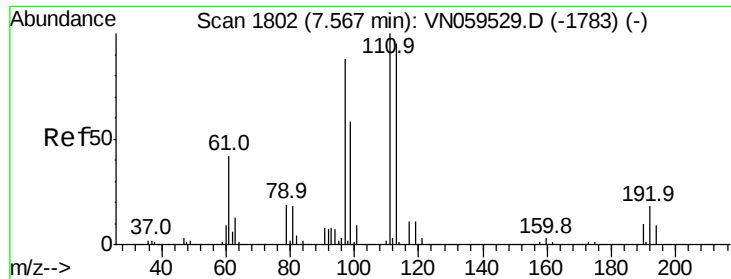


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

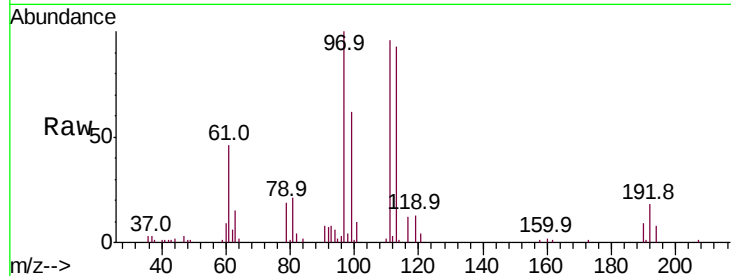




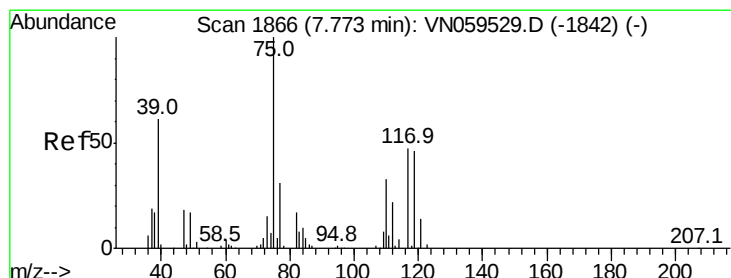
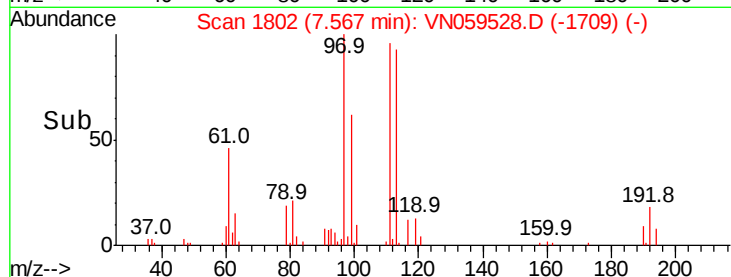
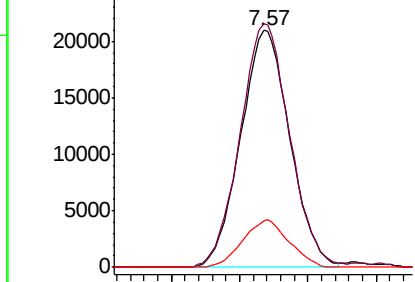
#35
 Dibromofluoromethane
 Concen: 20.074 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 52462
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 18.9 14.8 22.2

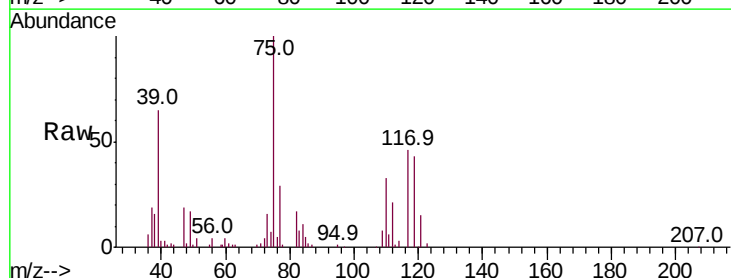


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

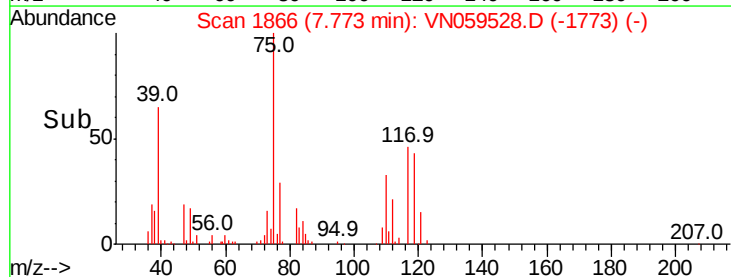
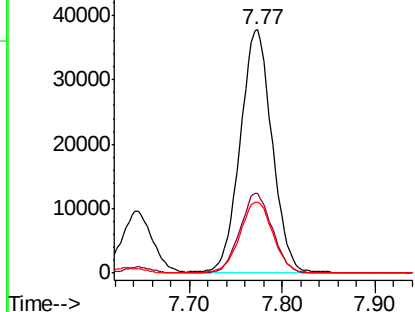


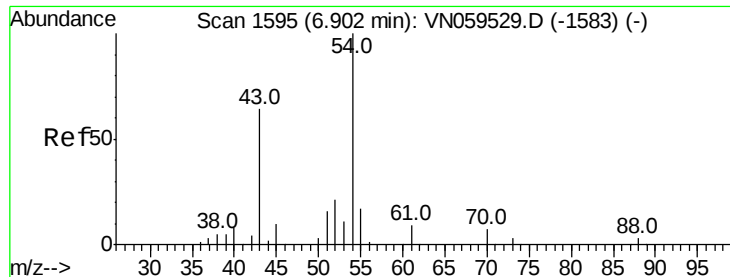
#36
 1,1-Dichloropropene
 Concen: 20.644 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion: 75 Resp: 90444
 Ion Ratio Lower Upper
 75 100
 110 32.9 16.7 50.0
 77 30.4 24.6 37.0



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





#37

Ethyl Acetate

Concen: 20.896 ug/l

RT: 6.90 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampled :

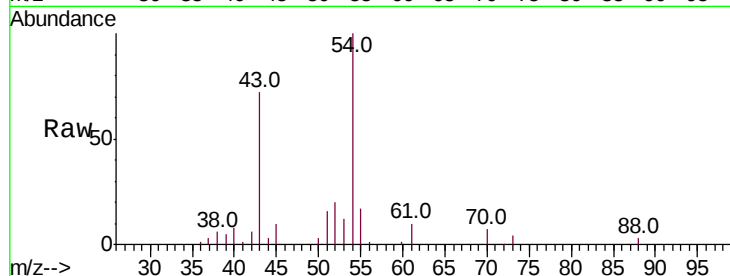
Tot Ion: 43 Resp: 102289

Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.6

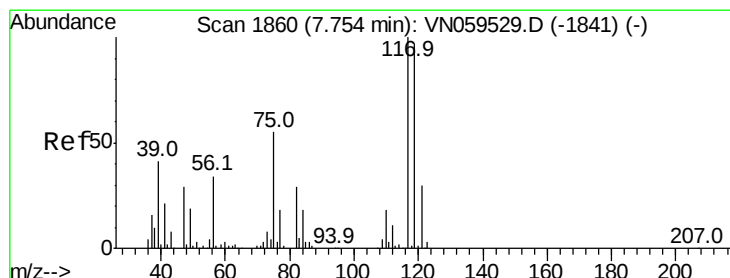
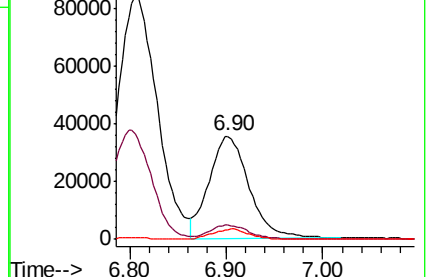
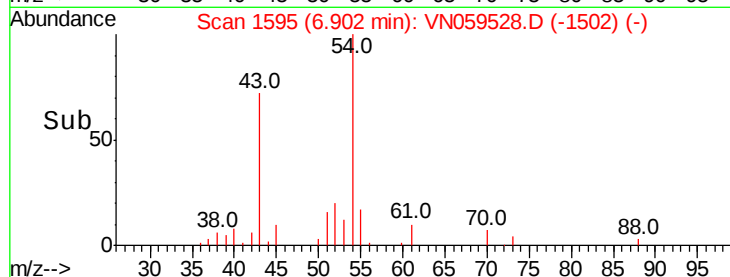
70 9.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059528.D (-1502) (-)

Ion 60.90 (60.60 to 61.60): VN059528.D (-1502) (-)

Ion 70.00 (69.70 to 70.70): VN059528.D (-1502) (-)



#38

Carbon Tetrachloride

Concen: 21.508 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

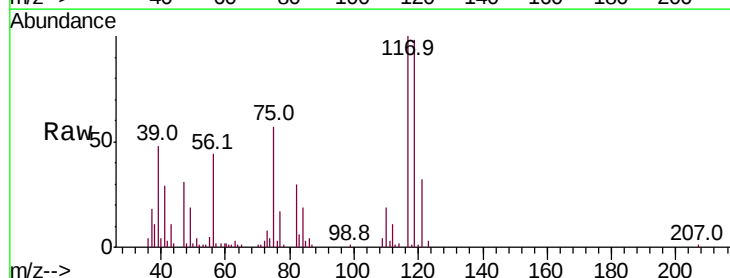
Tgt Ion: 117 Resp: 91056

Ion Ratio Lower Upper

117 100

119 98.2 77.0 115.4

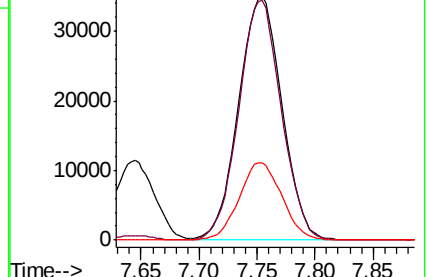
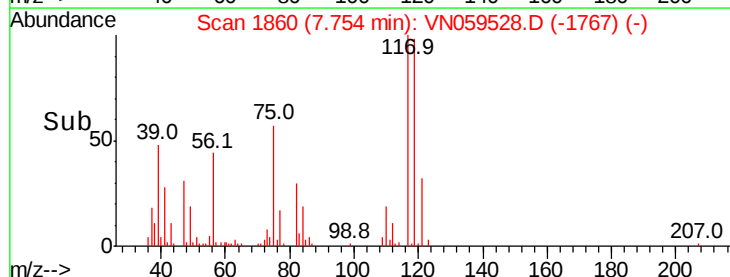
121 31.6 24.1 36.1

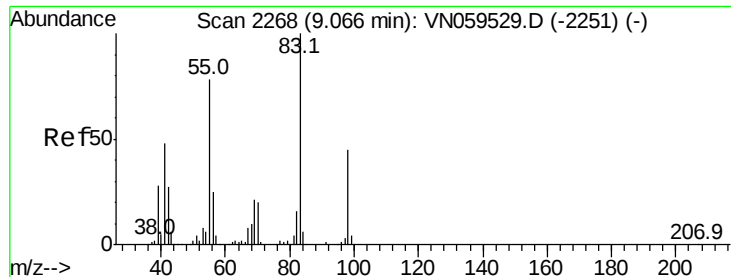


Abundance Ion 116.80 (116.50 to 117.50): VN059528.D (-1767) (-)

Ion 118.80 (118.50 to 119.50): VN059528.D (-1767) (-)

Ion 120.80 (120.50 to 121.50): VN059528.D (-1767) (-)

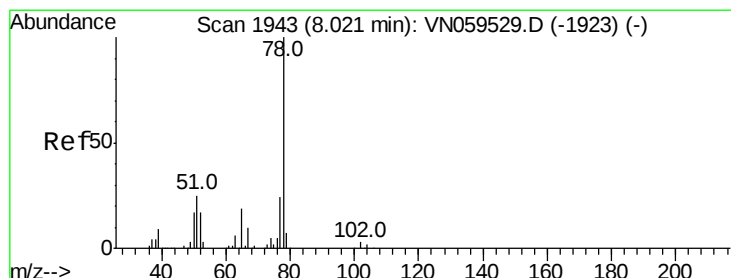
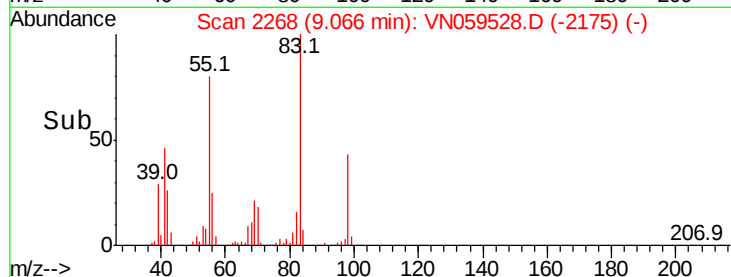
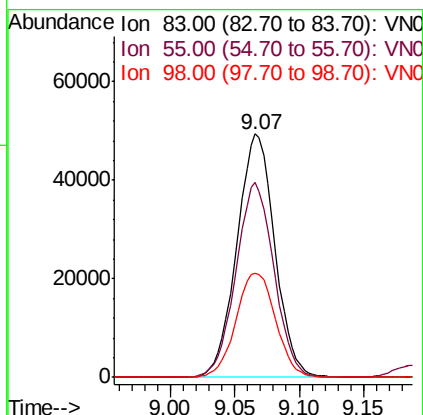
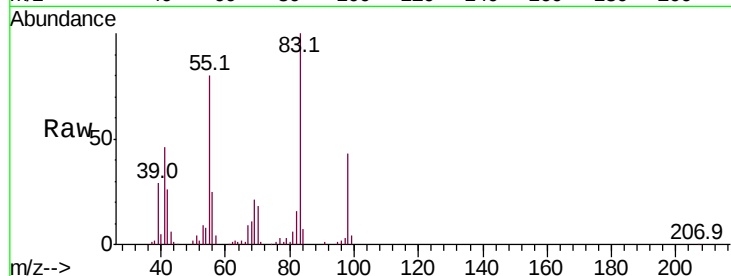




#39
Methvlcvclohexane
Concen: 19.373 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

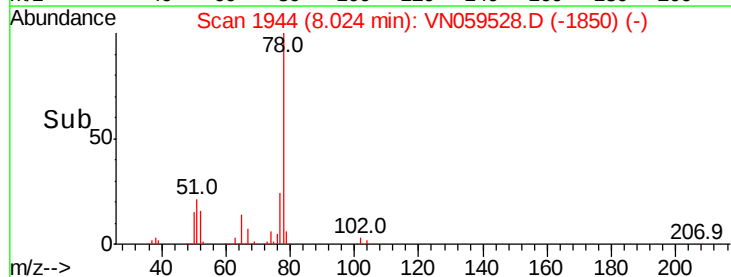
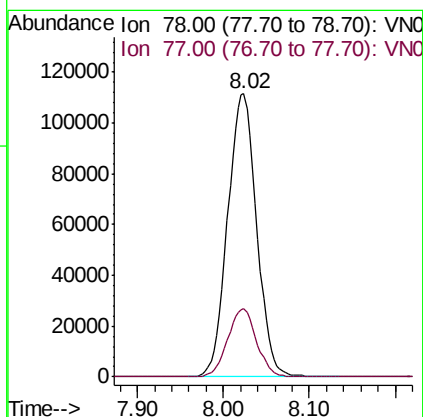
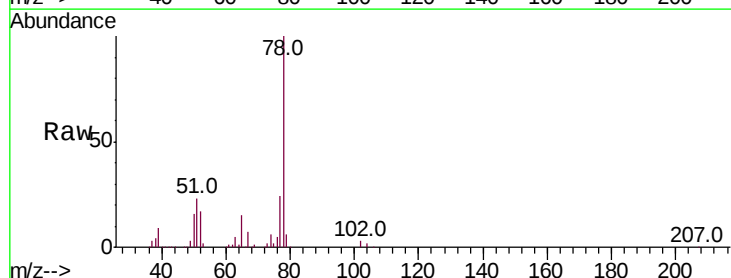
Instrument :
MSVOA_N
ClientSampleId :

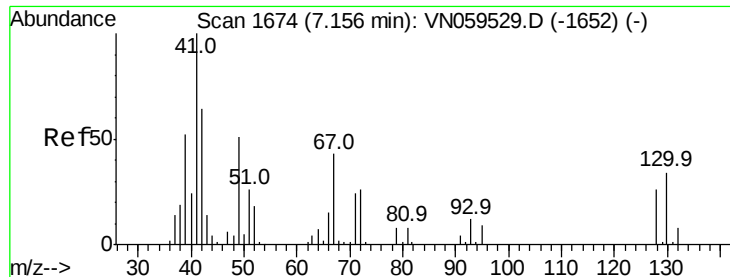
Tot Ion: 83 Resp: 101319
Ion Ratio Lower Upper
83 100
55 79.8 62.7 94.1
98 42.8 35.7 53.5



#40
Benzene
Concen: 20.411 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 78 Resp: 260730
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

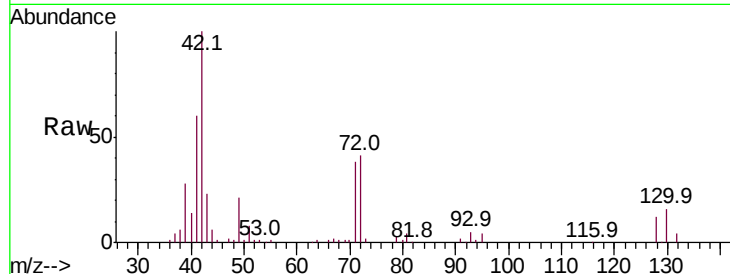




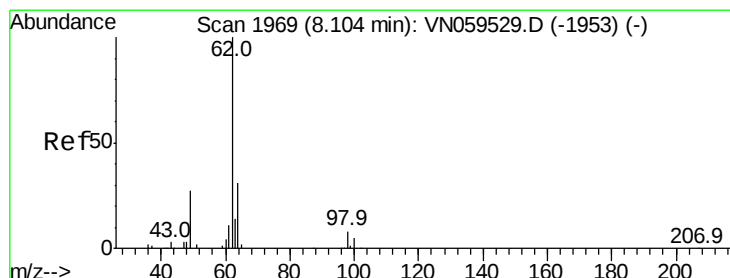
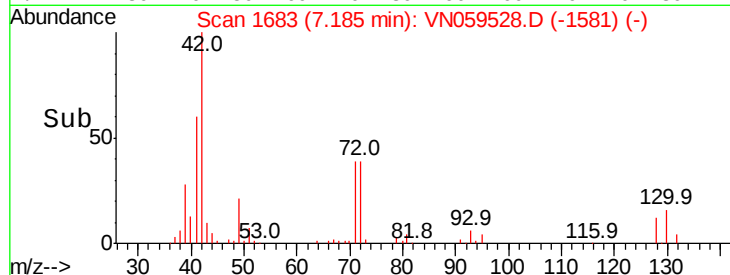
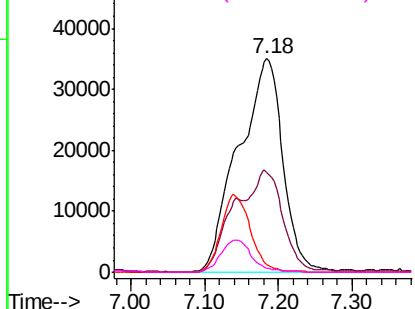
#41
Methacrylonitrile
Concen: 72.688 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	146753
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

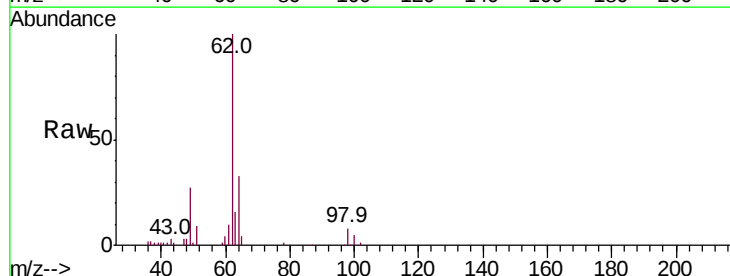


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

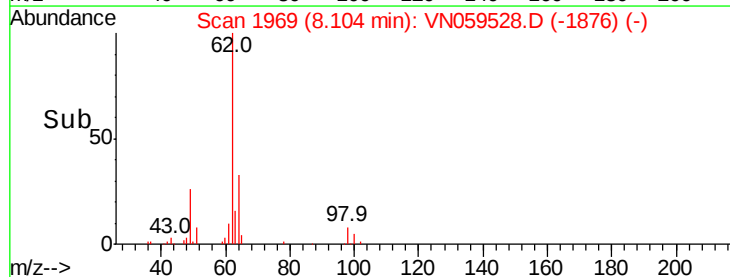
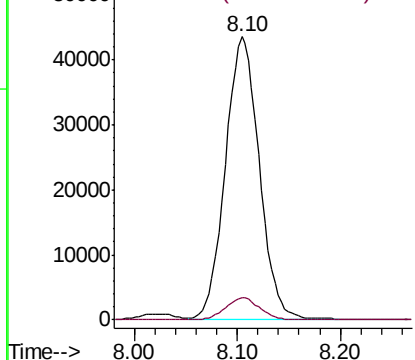


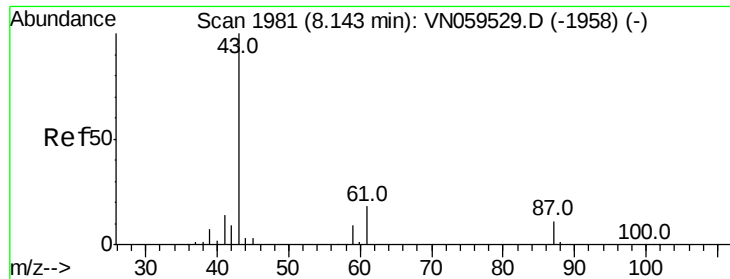
#42
1,2-Dichloroethane
Concen: 22.552 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion:	62	Resp:	100041
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.4



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





#43

Isopropyl Acetate

Concen: 21.425 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

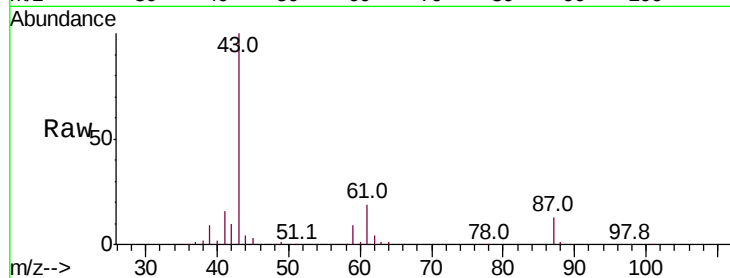
Tot Ion: 43 Resp: 156934

Ion Ratio Lower Upper

43 100

61 25.3 19.8 29.6

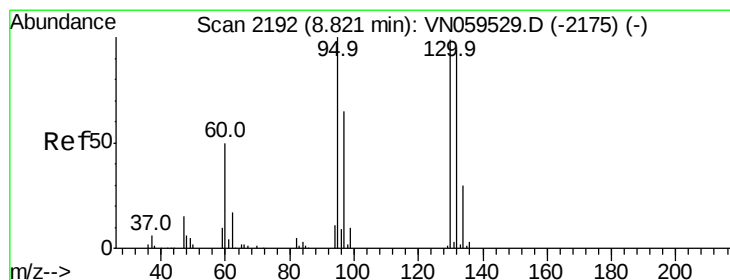
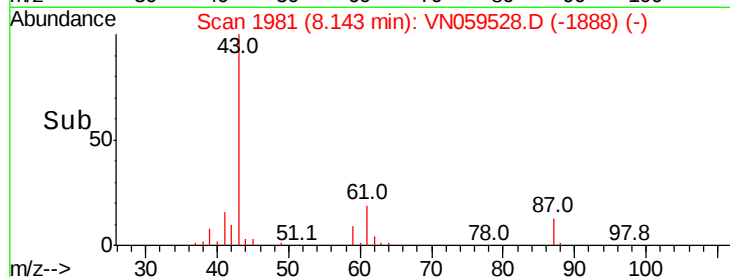
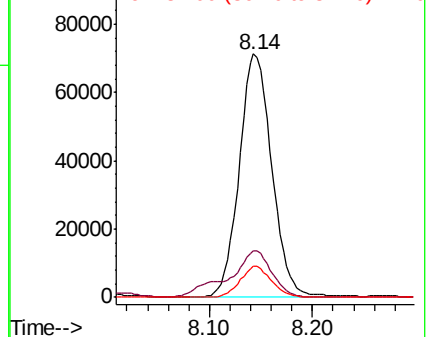
87 12.2 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.661 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN059528.D

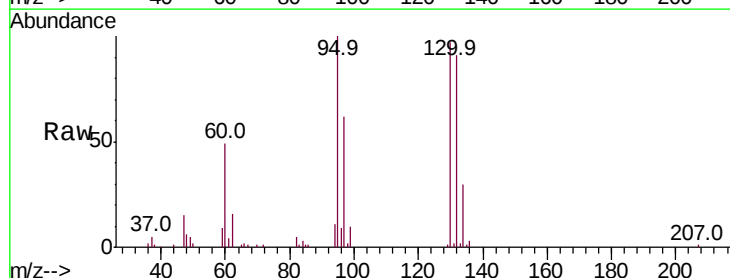
Acq: 9 Dec 2019 15:30

Tgt Ion:130 Resp: 65502

Ion Ratio Lower Upper

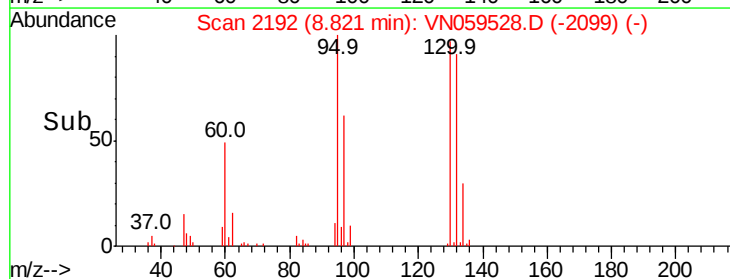
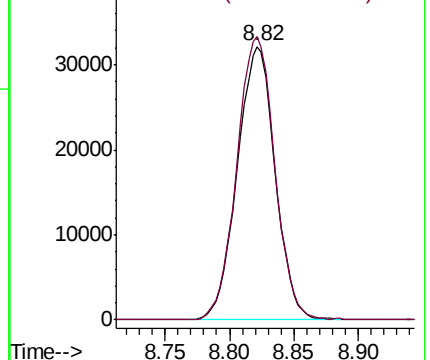
130 100

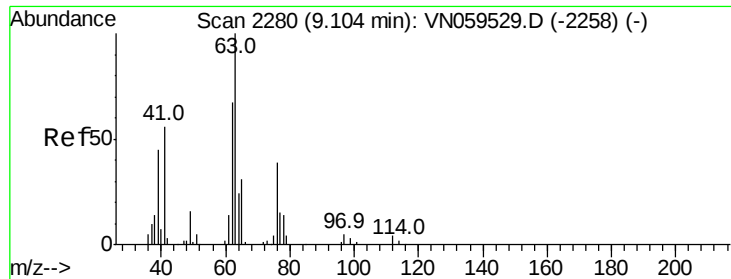
95 103.4 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.750 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

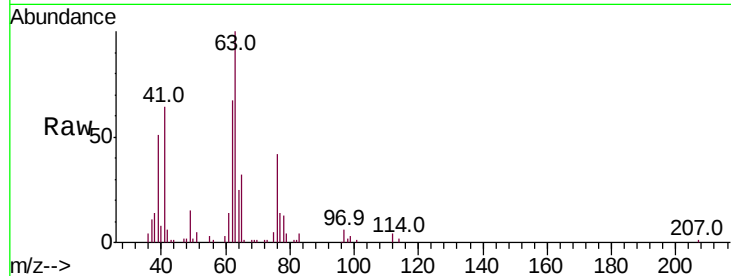
ClientSampleId :

Tot Ion: 63 Resp: 70936

Ion Ratio Lower Upper

63 100

65 32.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN059528.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN059528.D (-2258) (-)

40000

30000

20000

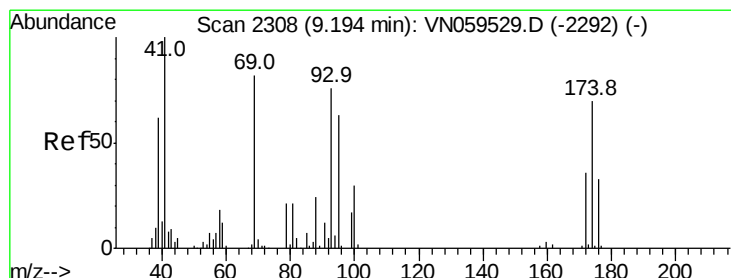
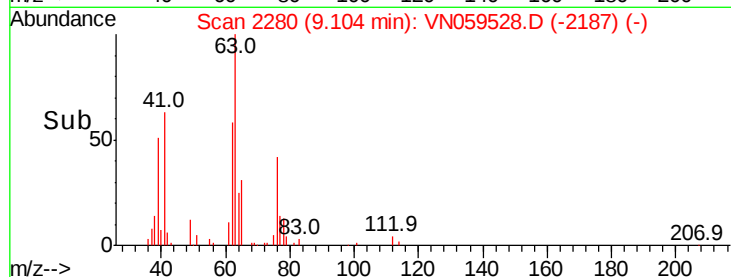
10000

0

9.10

9.05 9.10 9.15 9.20

Time-->



#46

Dibromomethane

Concen: 21.418 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

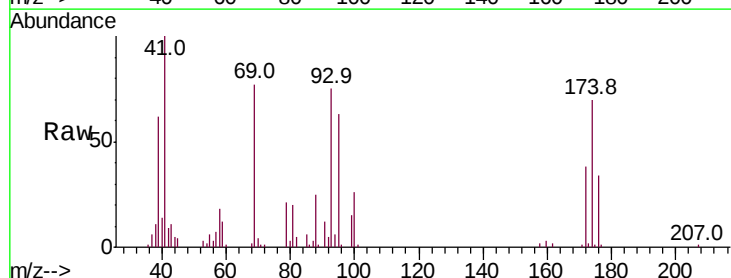
Tgt Ion: 93 Resp: 45832

Ion Ratio Lower Upper

93 100

95 82.6 67.0 100.6

174 91.7 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN059528.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN059528.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN059528.D (-2292) (-)

30000

25000

20000

15000

10000

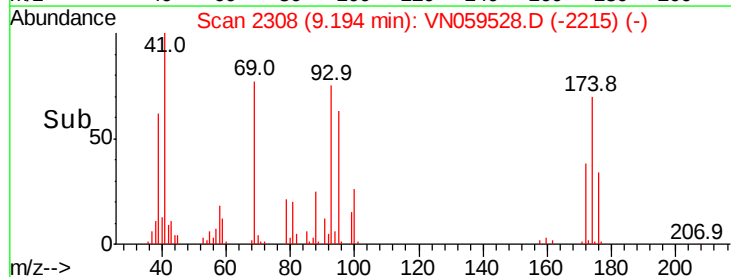
5000

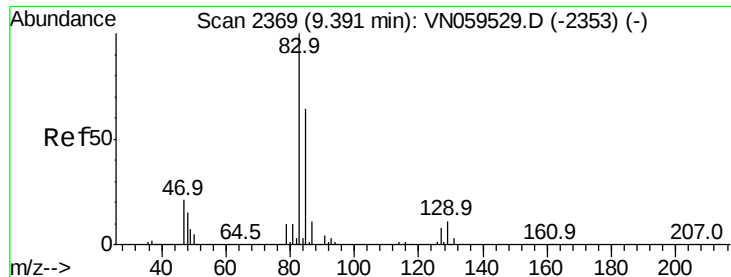
0

9.19

9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 21.391 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampled :

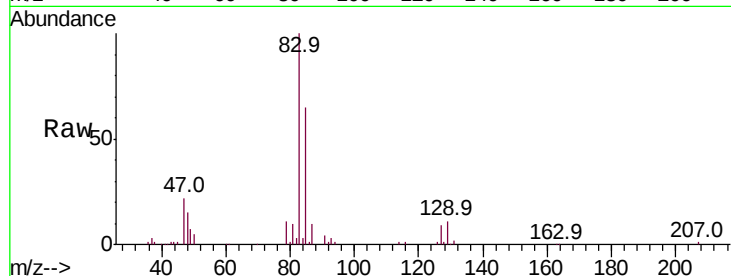
Tot Ion: 83 Resp: 92106

Ion Ratio Lower Upper

83 100

85 65.2 51.4 77.0

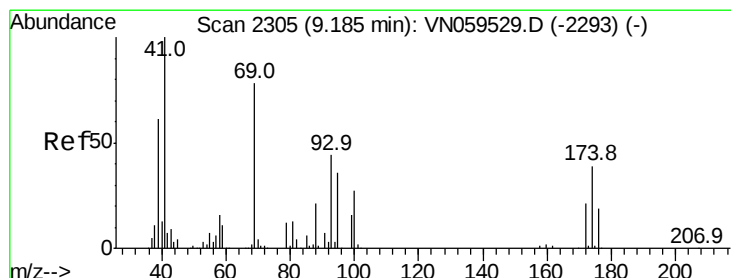
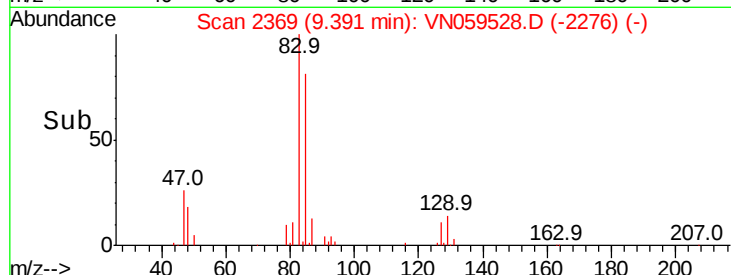
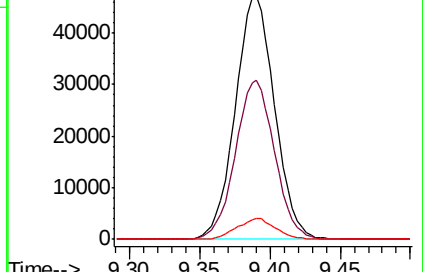
127 8.6 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN059528.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059528.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059528.D (-2276) (-)



#48

Methyl methacrylate

Concen: 21.261 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

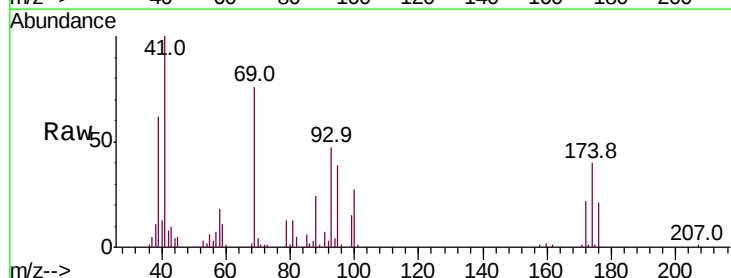
Tgt Ion: 41 Resp: 70134

Ion Ratio Lower Upper

41 100

69 78.1 64.0 96.0

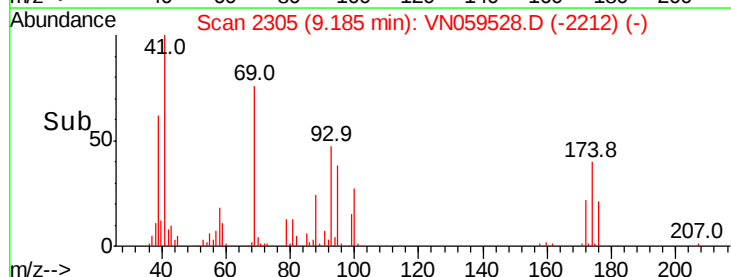
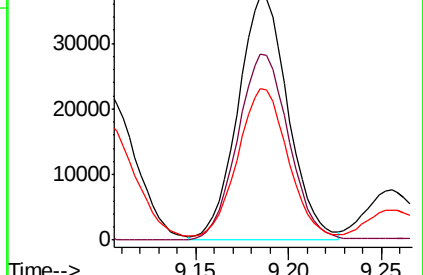
39 62.6 50.0 75.0

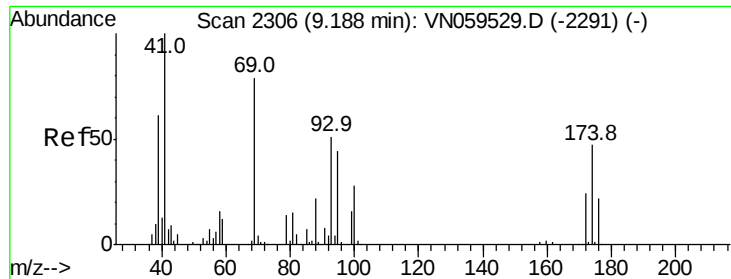


Abundance Ion 41.00 (40.70 to 41.70): VN059528.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059528.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059528.D (-2212) (-)

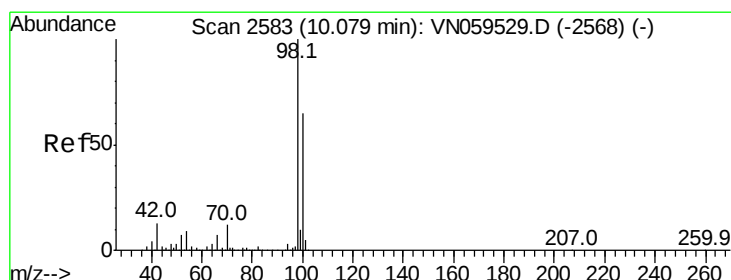
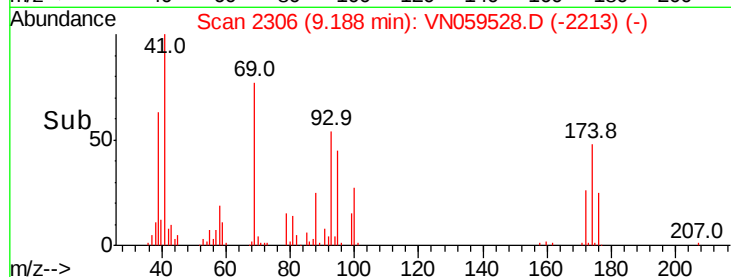
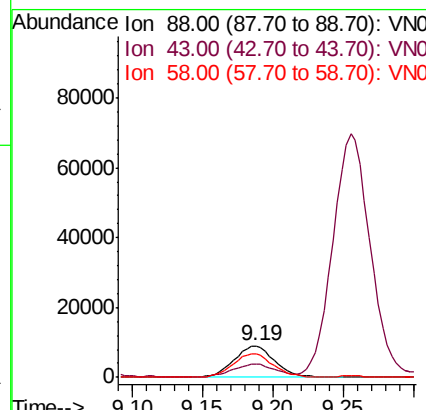
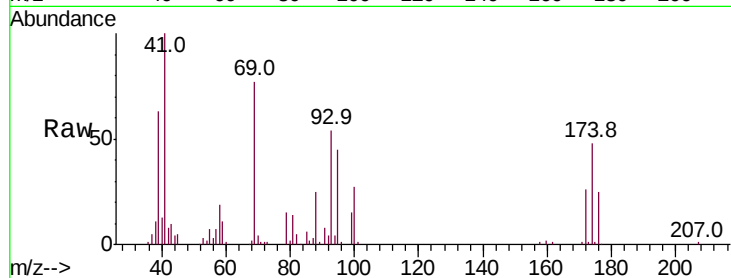




#49
 1,4-Dioxane
 Concen: 375.770 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

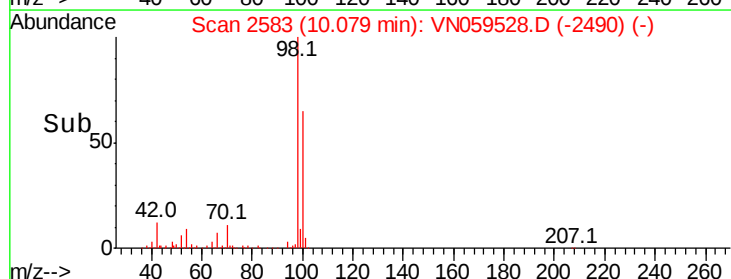
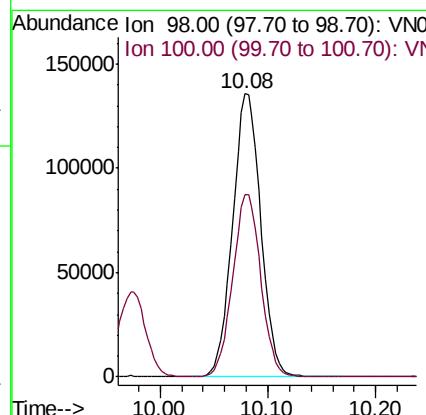
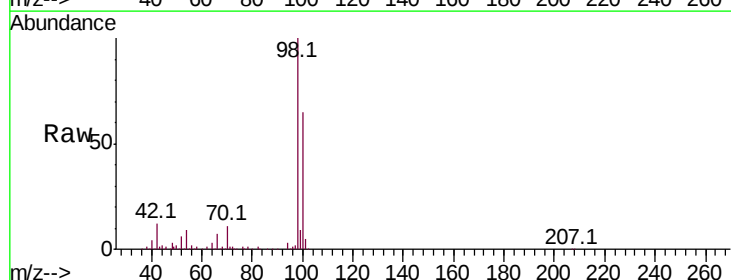
Instrument :
 MSVOA_N
 ClientSampleId :

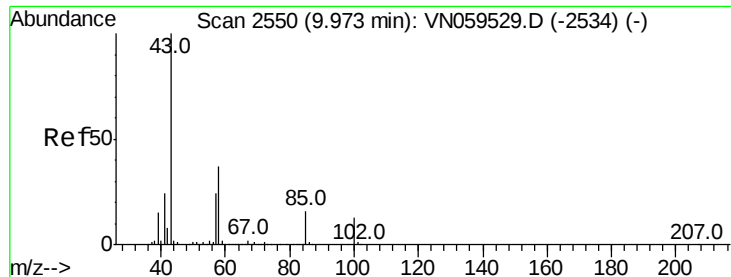
Tot Ion: 88 Resp: 18259
 Ion Ratio Lower Upper
 88 100
 43 39.2 31.4 47.0
 58 74.9 61.0 91.6



#50
 Toluene-d8
 Concen: 24.208 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion: 98 Resp: 247682
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 124.663 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

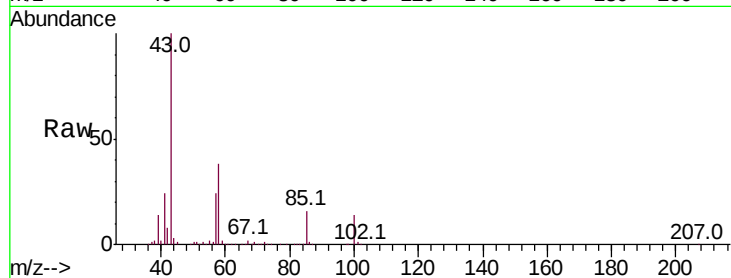
ClientSampleId :

Tot Ion: 43 Resp: 540906

Ion Ratio Lower Upper

43 100

58 37.6 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

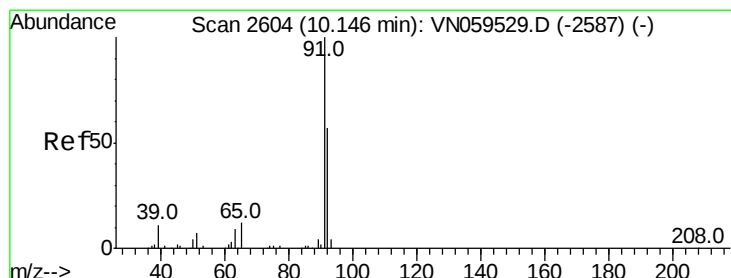
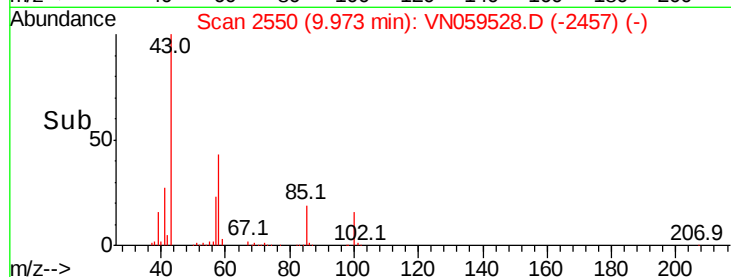
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 24.455 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059528.D

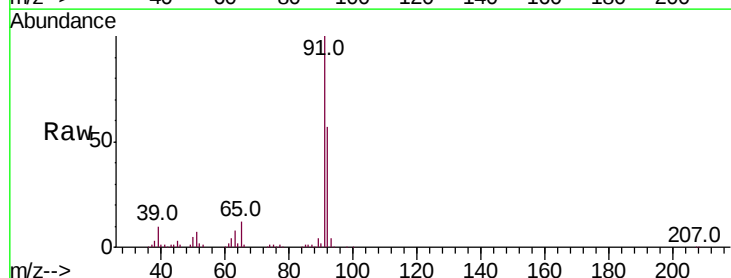
Acq: 9 Dec 2019 15:30

Tgt Ion: 92 Resp: 188472

Ion Ratio Lower Upper

92 100

91 174.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

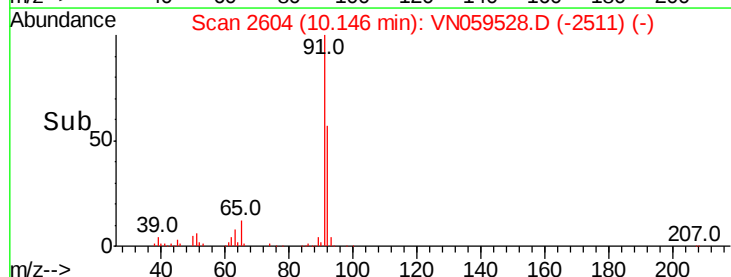
150000

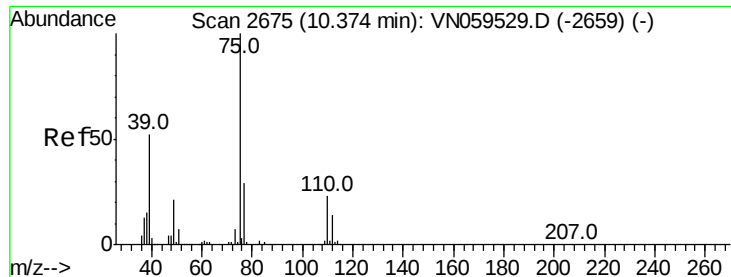
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 24.220 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

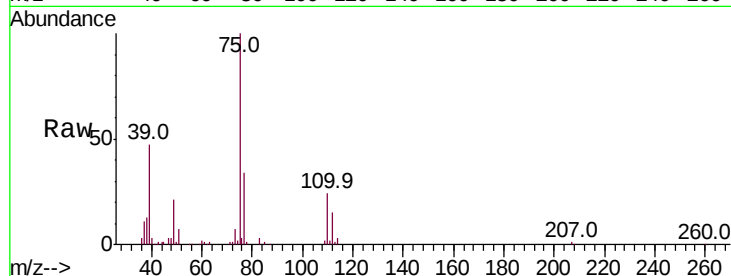
ClientSampleId :

Tot Ion: 75 Resp: 122301

Ion Ratio Lower Upper

75 100

77 33.1 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

60000

40000

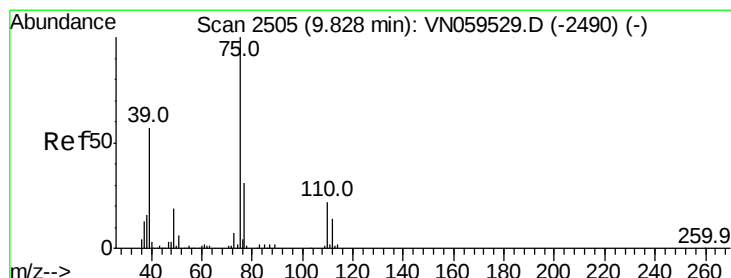
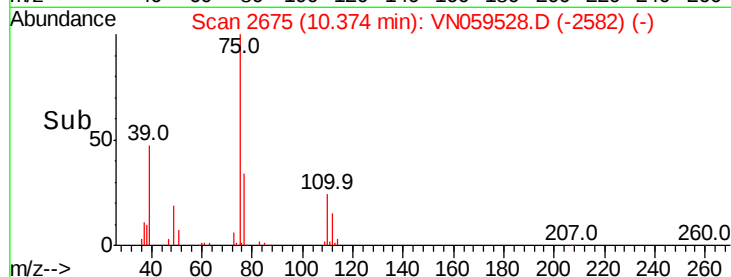
20000

0

Time-->

10.30

10.40



#54

cis-1,3-Dichloropropene

Concen: 20.698 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

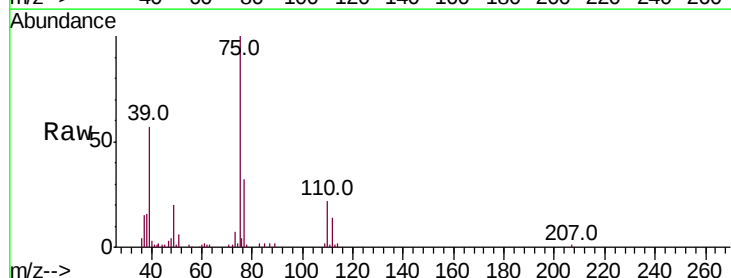
Tgt Ion: 75 Resp: 110261

Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

39 57.3 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

9.83

80000

60000

40000

20000

0

Time-->

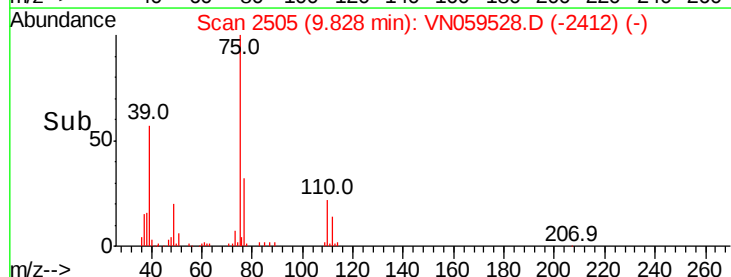
9.75

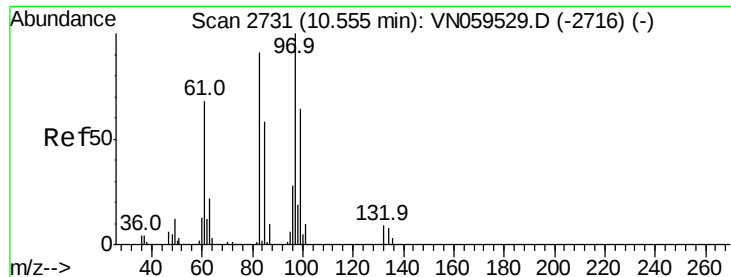
9.80

9.85

9.90

9.95





#55

1,1,2-Trichloroethane

Concen: 25.023 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

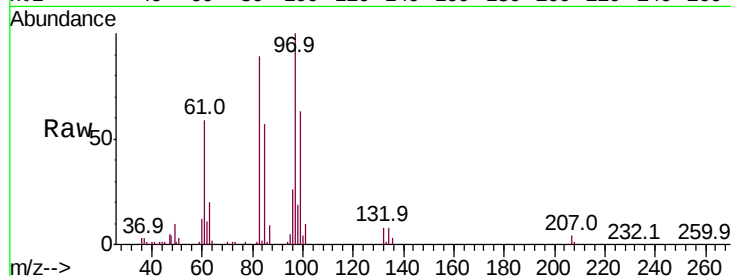
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 76146

Ion	Ratio	Lower	Upper
97	100		
83	89.4	72.9	109.3
85	56.7	46.1	69.1
99	62.6	50.8	76.2

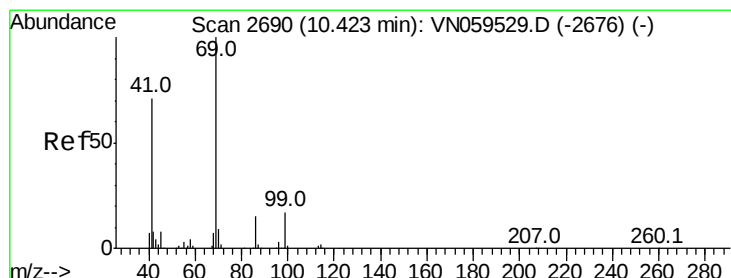
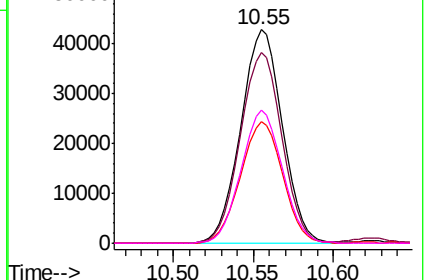
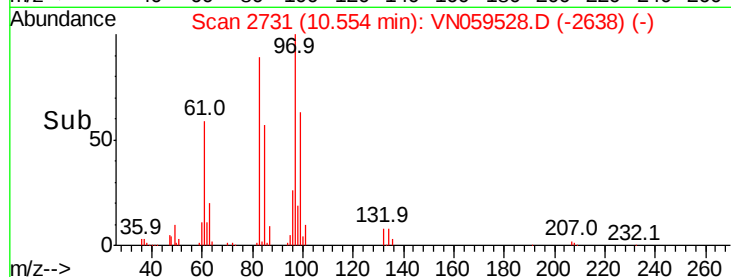


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 25.314 ug/l

RT: 10.42 min Scan# 2690

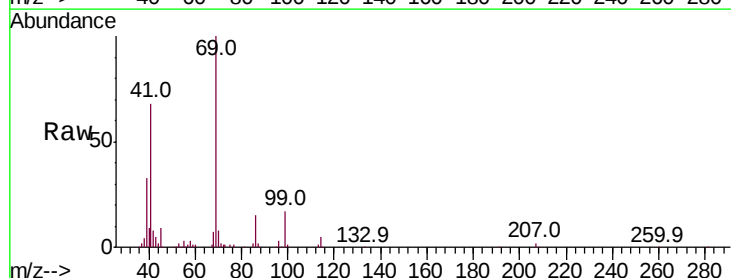
Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion: 69 Resp: 111599

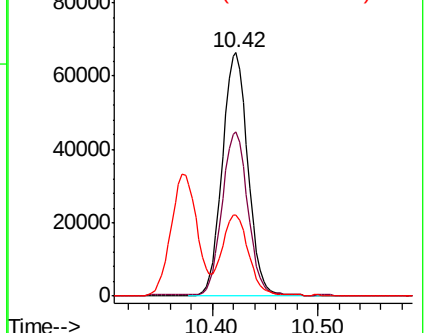
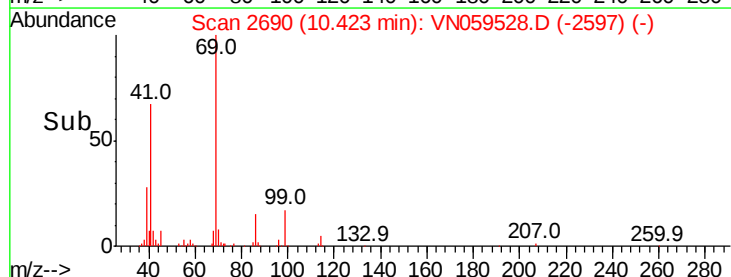
Ion	Ratio	Lower	Upper
69	100		
41	67.4	57.7	86.5
39	34.7	34.2	51.2

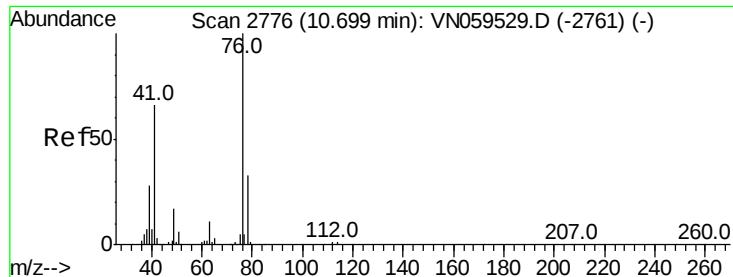


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 23.761 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

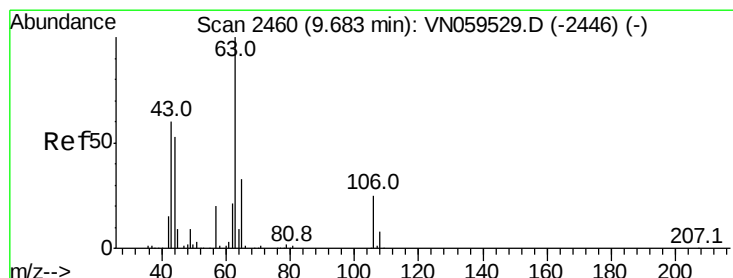
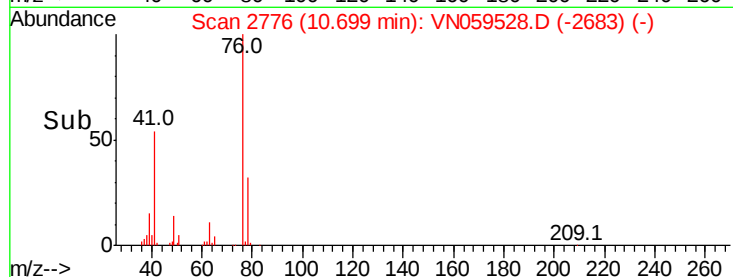
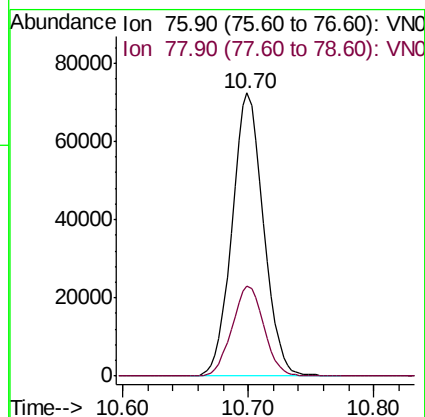
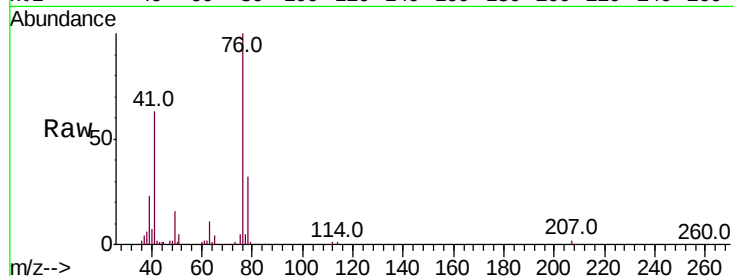
ClientSampled :

Tot Ion: 76 Resp: 125546

Ion Ratio Lower Upper

76 100

78 32.3 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 119.722 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059528.D

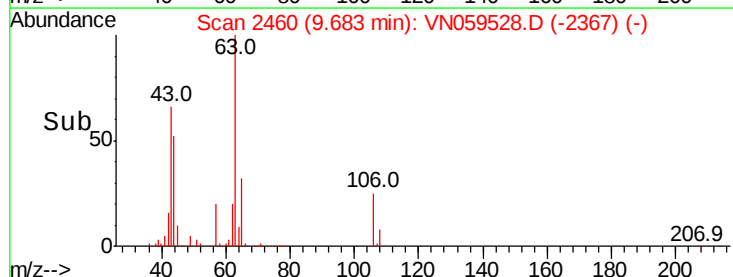
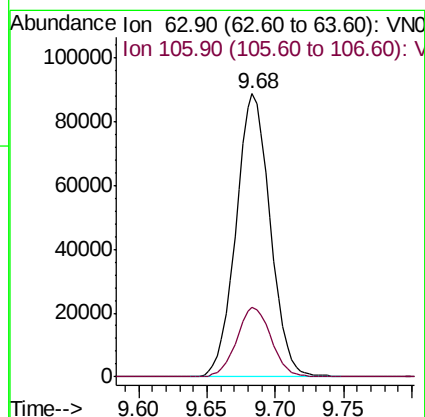
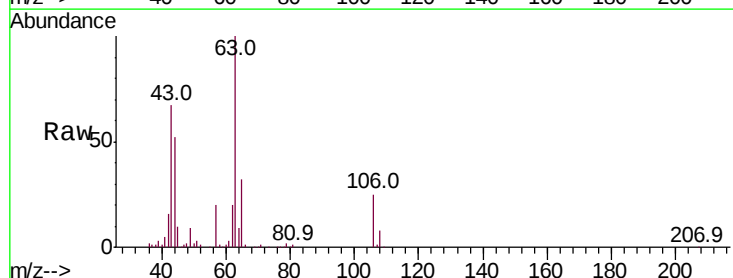
Acq: 9 Dec 2019 15:30

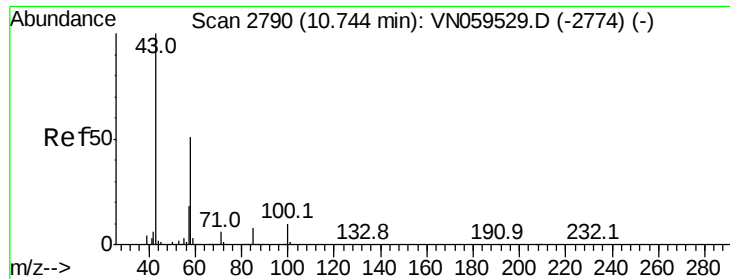
Tgt Ion: 63 Resp: 154213

Ion Ratio Lower Upper

63 100

106 24.8 19.9 29.9

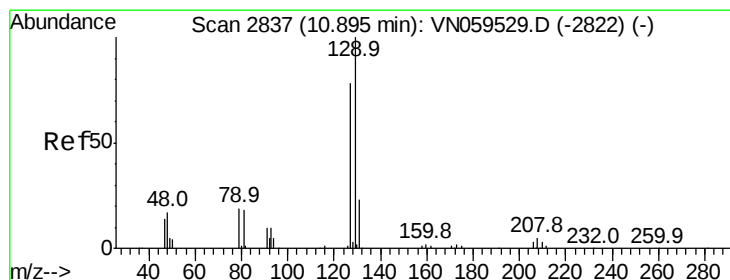
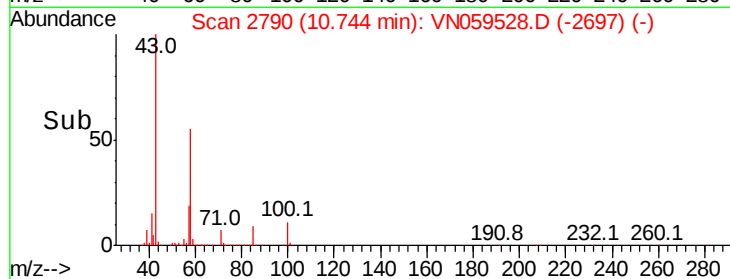
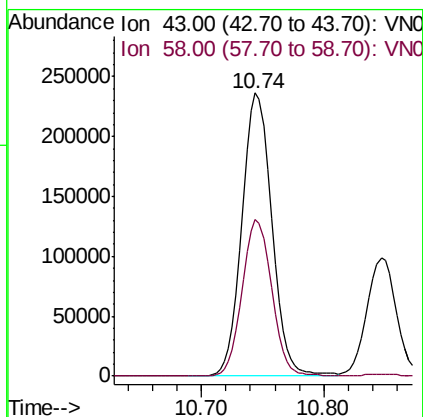
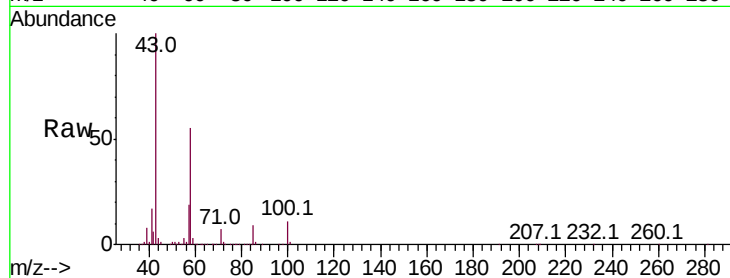




#59
2-Hexanone
Concen: 121.383 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

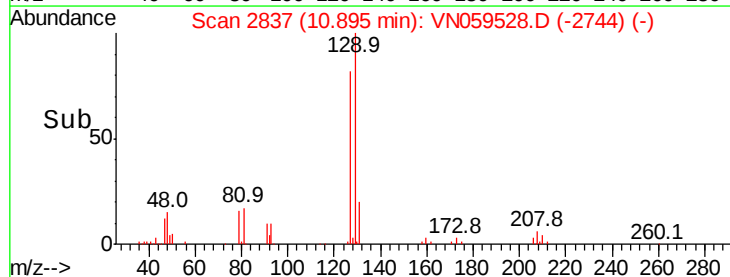
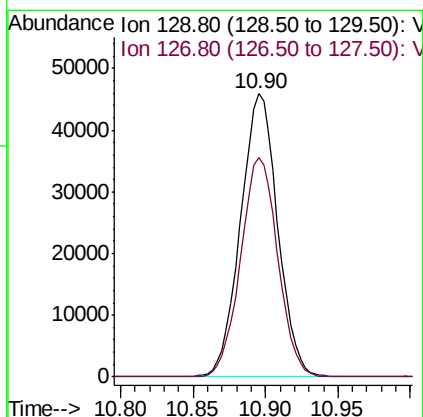
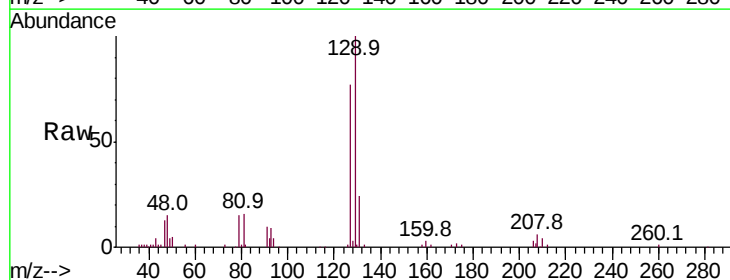
Instrument :
MSVOA_N
ClientSampleId :

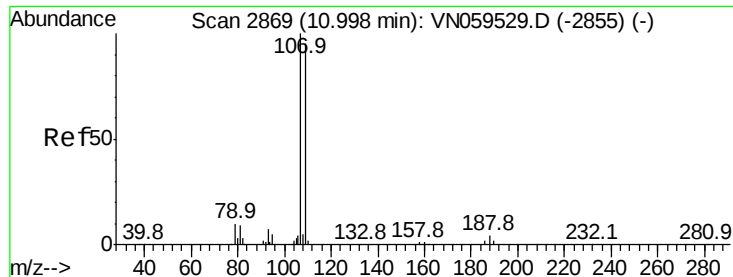
Tot Ion: 43 Resp: 396370
Ion Ratio Lower Upper
43 100
58 55.3 25.9 77.6



#60
Dibromochloromethane
Concen: 25.046 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion:129 Resp: 81897
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6

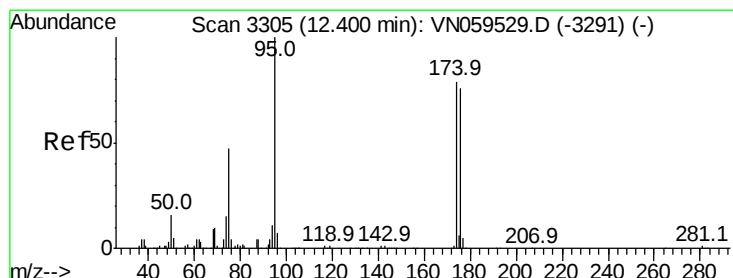
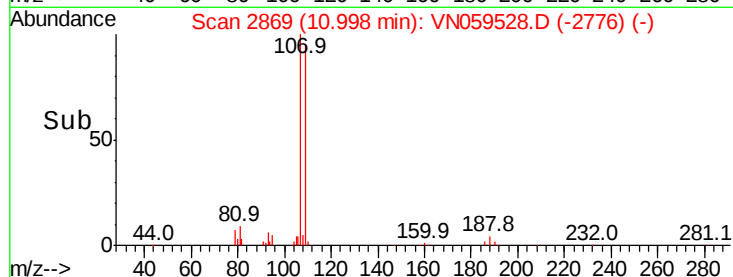
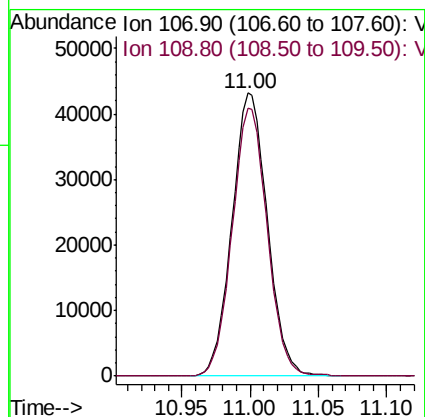
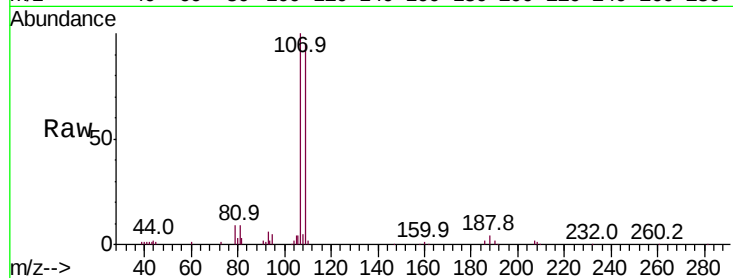




#61
 1,2-Dibromoethane
 Concen: 24.633 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

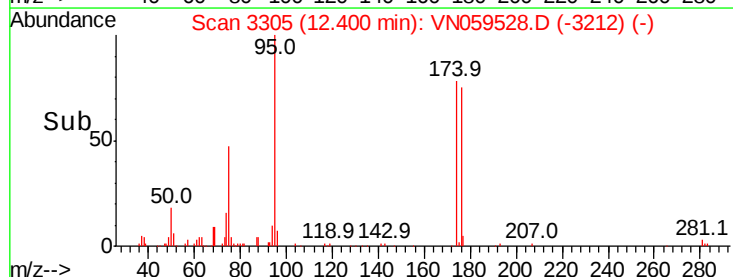
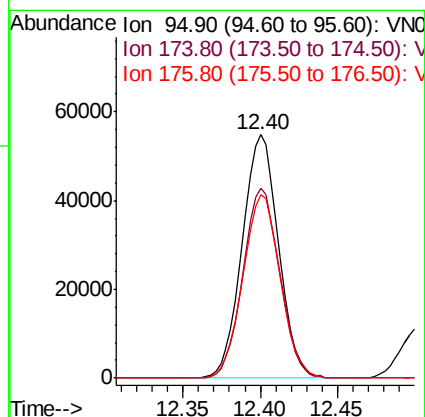
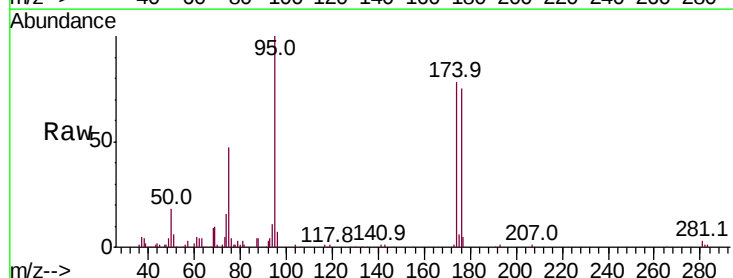
Instrument :
 MSVOA_N
 ClientSampleId :

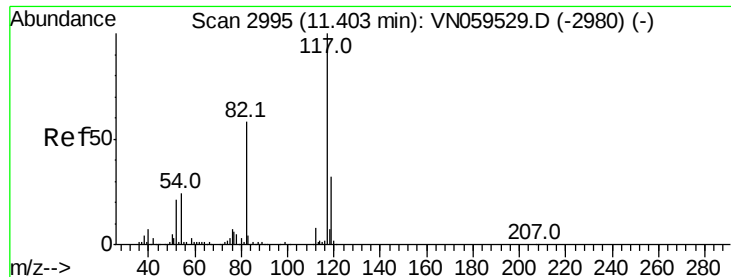
Tot Ion:107 Resp: 77653
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 24.294 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion: 95 Resp: 89486
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 158.0
 176 77.3 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: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

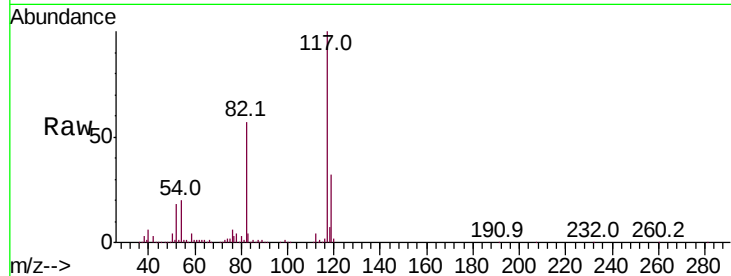
Tot Ion:117 Resp: 474048

Ion Ratio Lower Upper

117 100

82 57.0 46.5 69.7

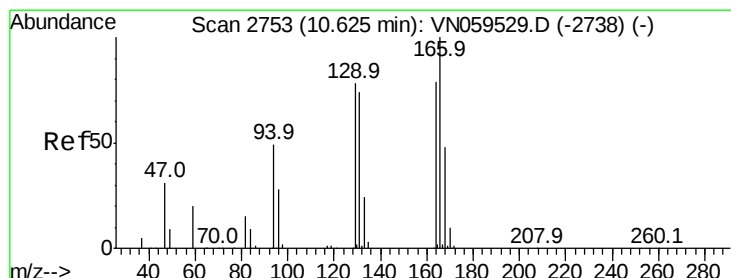
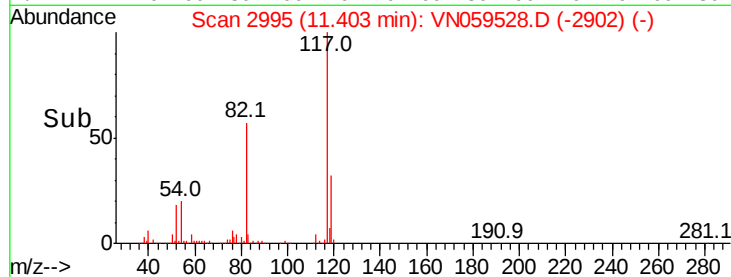
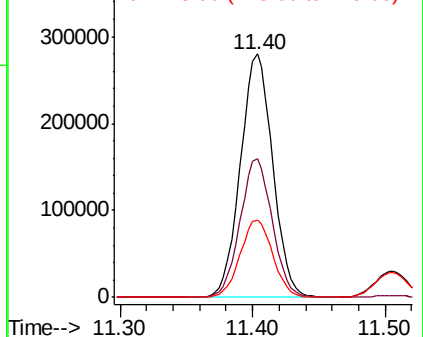
119 31.9 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.639 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion:164 Resp: 71585

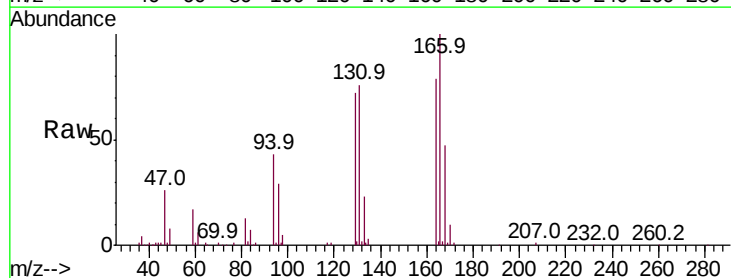
Ion Ratio Lower Upper

164 100

166 126.7 101.6 152.4

129 91.6 79.0 118.6

131 96.1 74.7 112.1

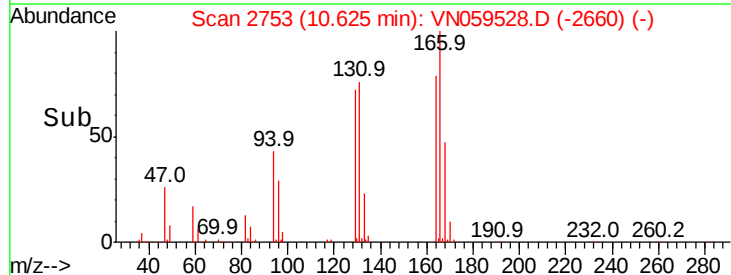
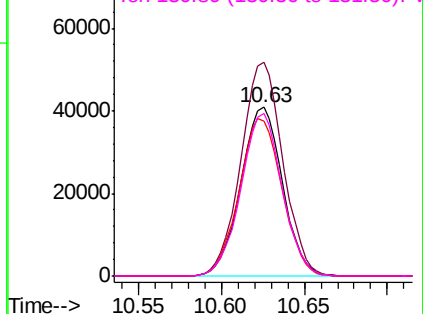


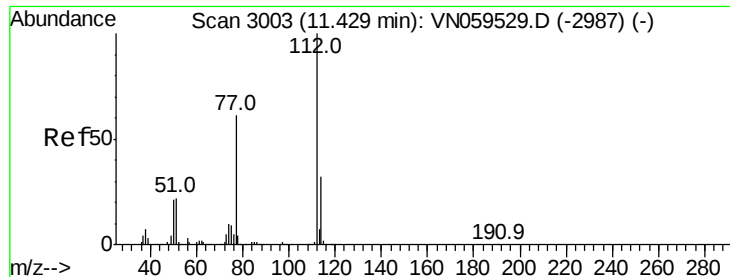
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.690 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

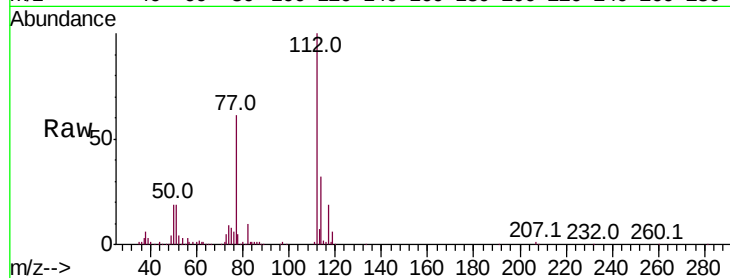
ClientSampleId :

Tot Ion:112 Resp: 198683

Ion Ratio Lower Upper

112 100

114 31.9 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

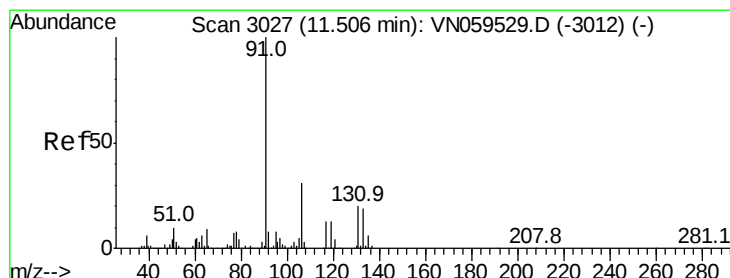
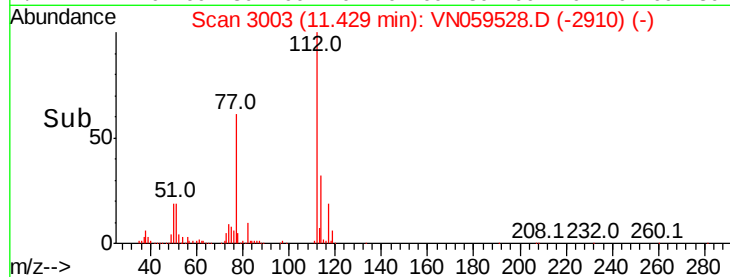
11.43

100000

50000

0

Time--> 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 20.395 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

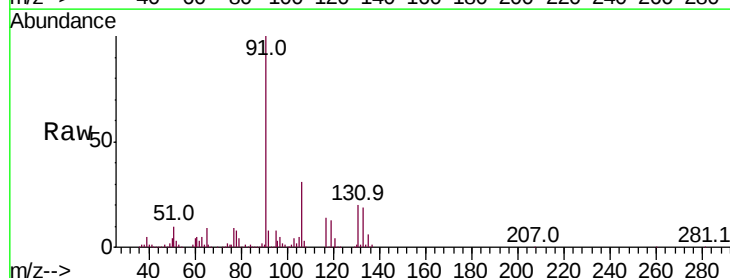
Tgt Ion:131 Resp: 74209

Ion Ratio Lower Upper

131 100

133 97.0 47.8 143.3

119 67.6 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

11.51

60000

50000

40000

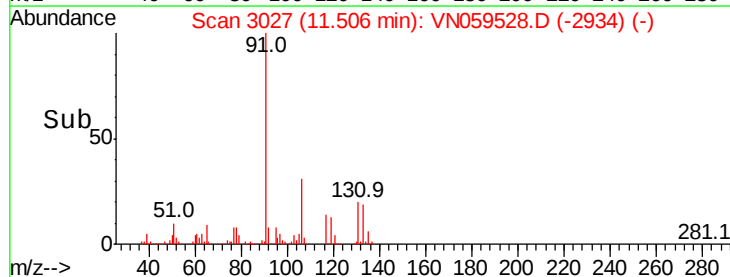
30000

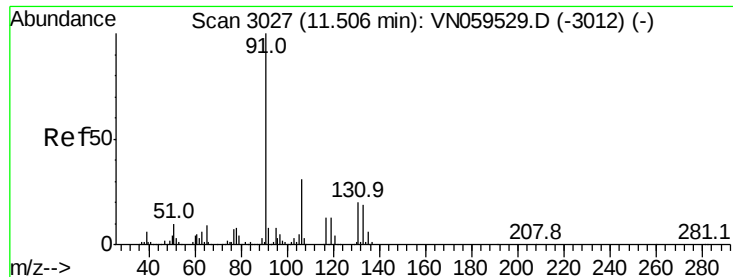
20000

10000

0

Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 20.188 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

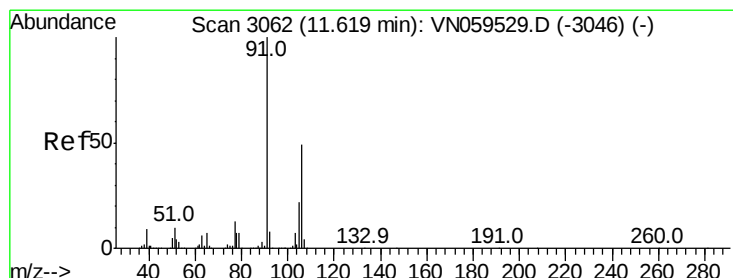
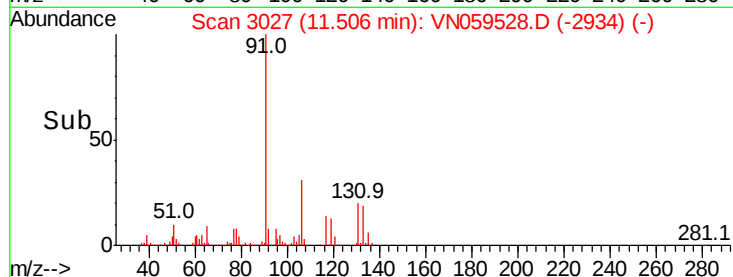
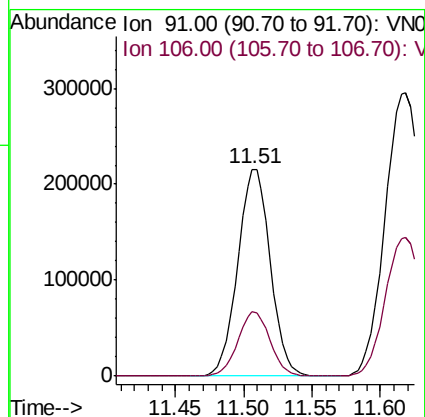
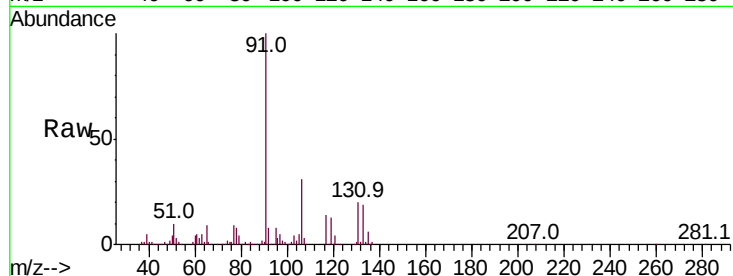
ClientSampleId :

Tot Ion: 91 Resp: 357701

Ion Ratio Lower Upper

91 100

106 30.9 24.5 36.7



#68

m/p-Xylenes

Concen: 41.804 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059528.D

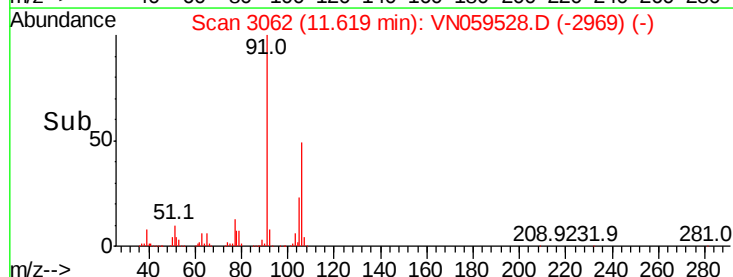
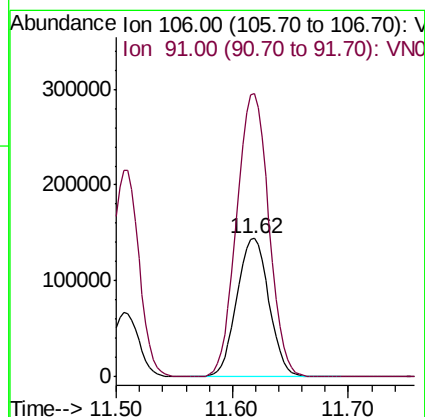
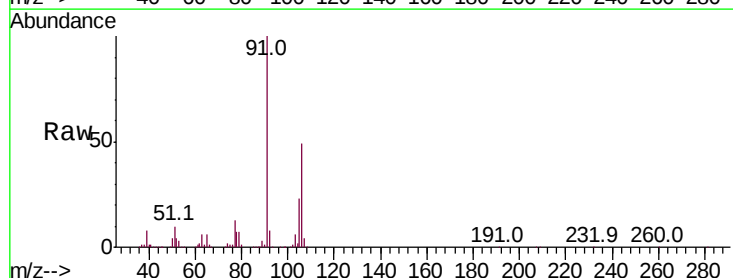
Acq: 9 Dec 2019 15:30

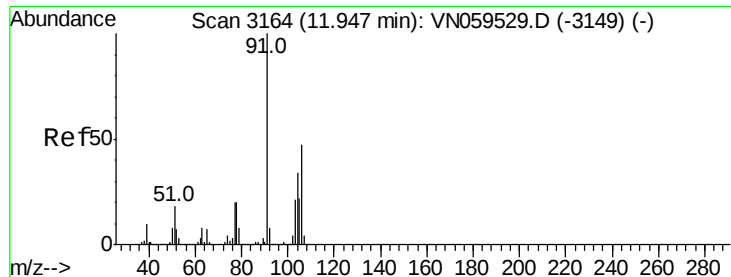
Tgt Ion: 106 Resp: 278069

Ion Ratio Lower Upper

106 100

91 204.8 162.9 244.3

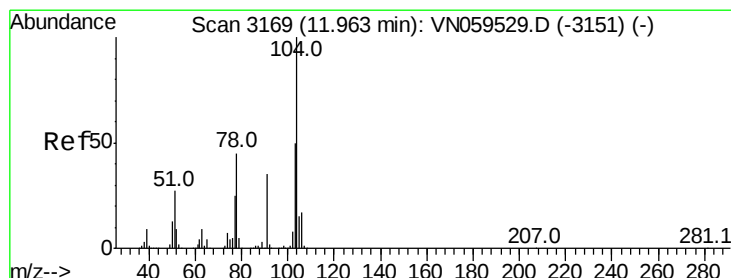
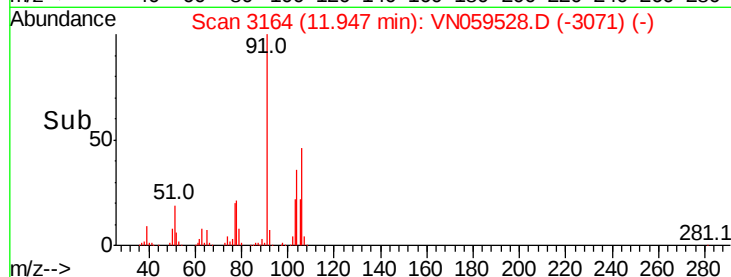
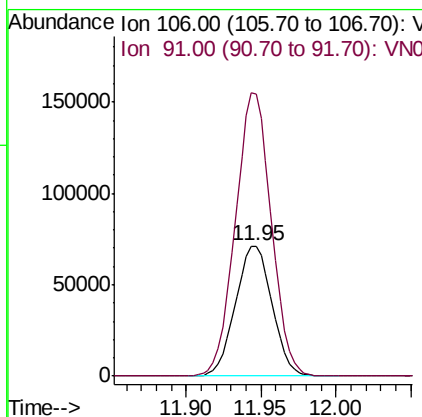
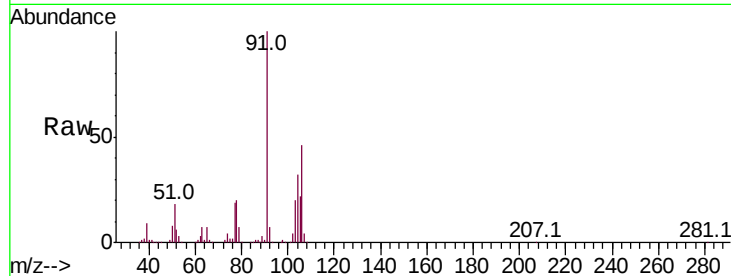




#69
o-Xylene
Concen: 19.143 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

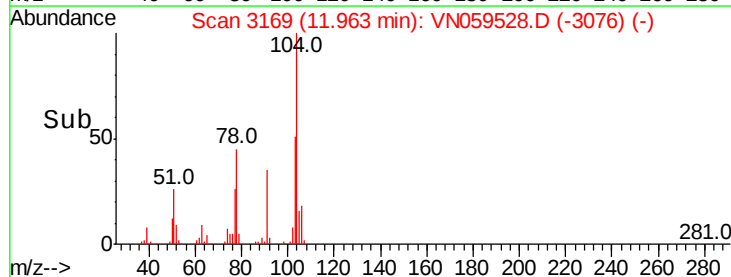
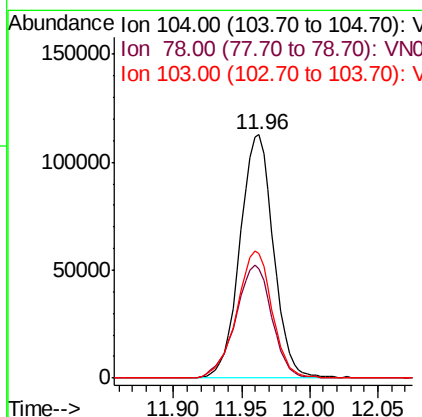
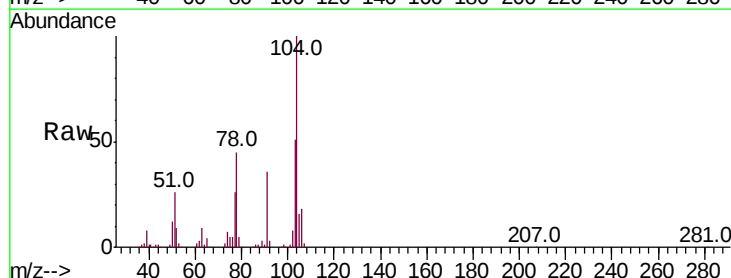
Instrument :
MSVOA_N
ClientSampleId :

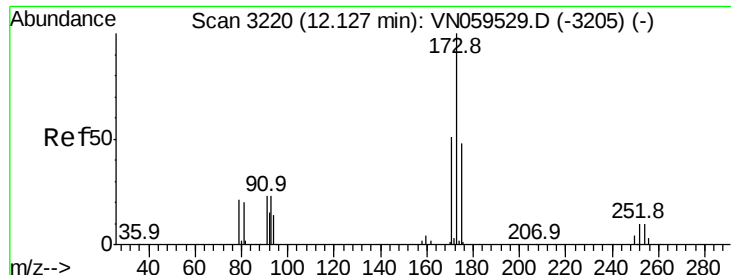
Tot Ion:106 Resp: 121267
Ion Ratio Lower Upper
106 100
91 213.4 106.7 319.9



#70
Styrene
Concen: 18.987 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion:104 Resp: 192646
Ion Ratio Lower Upper
104 100
78 50.3 40.6 60.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 20.535 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

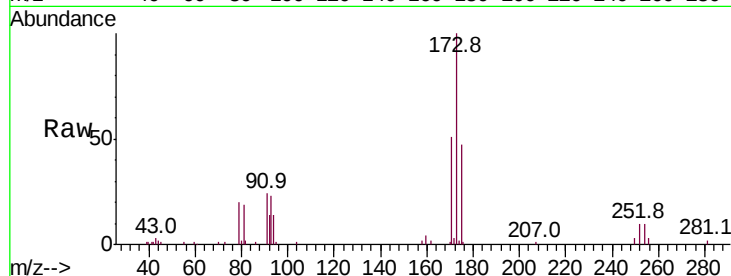
Tot Ion:173 Resp: 59035

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.4

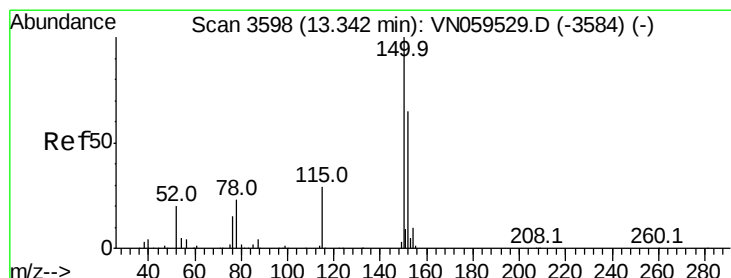
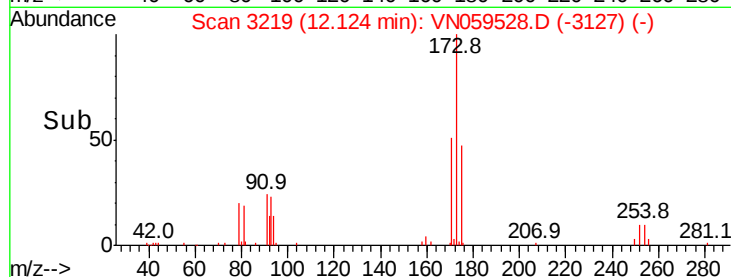
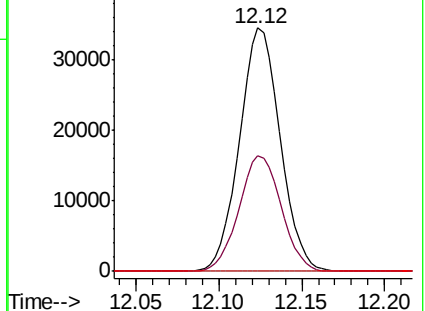
254 0.0 0.0 0.0



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: VN059528.D

Acq: 9 Dec 2019 15:30

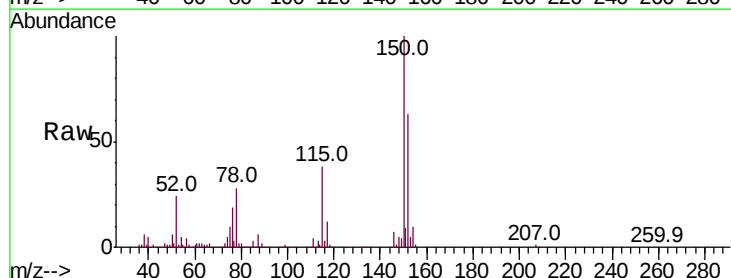
Tgt Ion:152 Resp: 209935

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

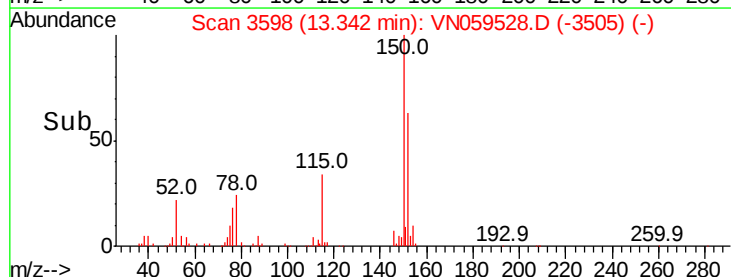
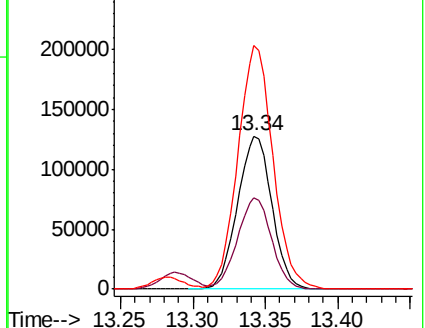
150 163.0 0.0 342.4

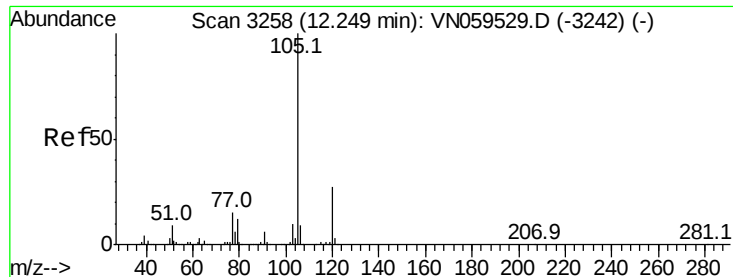


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.386 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

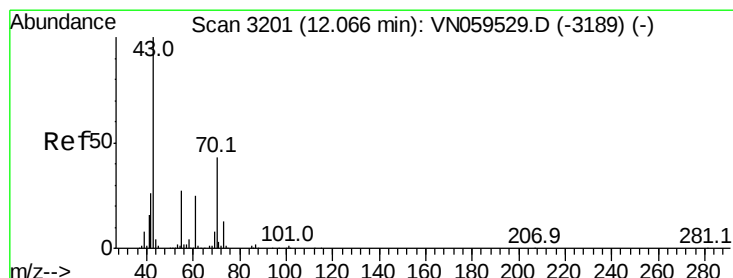
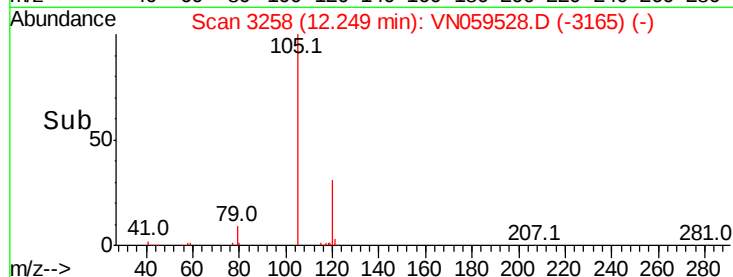
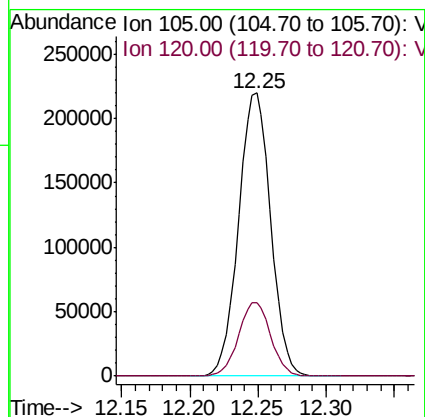
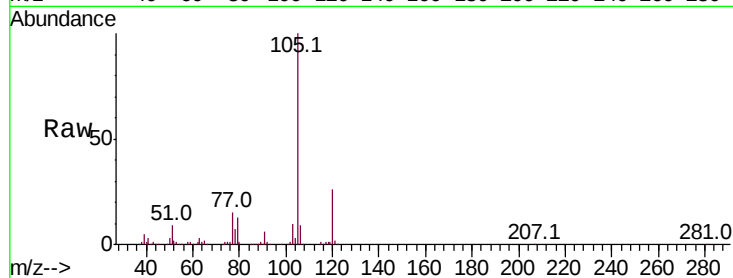
ClientSampleId :

Tot Ion:105 Resp: 358203

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



#74

N-ethyl acetate

Concen: 22.577 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion: 43 Resp: 147501

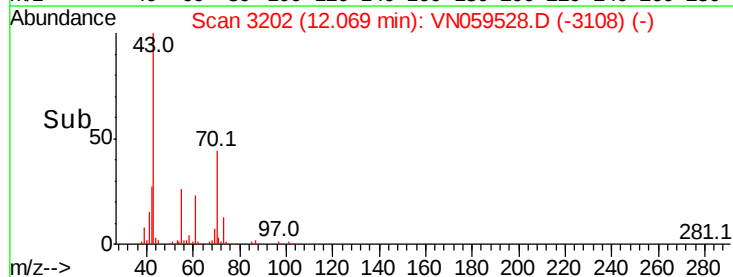
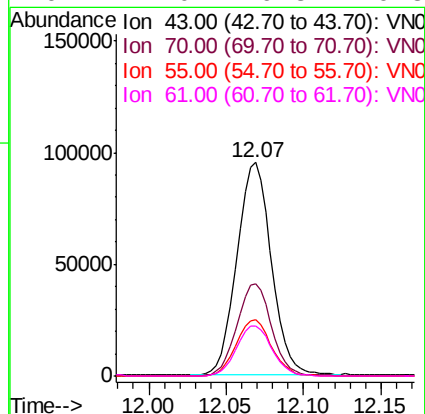
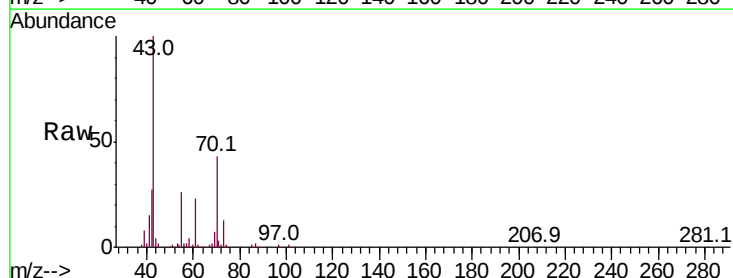
Ion Ratio Lower Upper

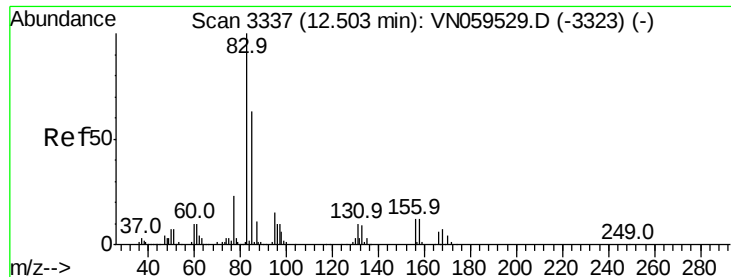
43 100

70 43.6 34.2 51.4

55 27.4 21.3 31.9

61 24.0 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.195 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampled :

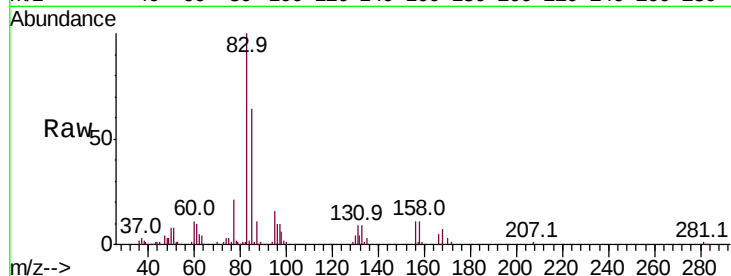
Tot Ion: 83 Resp: 120482

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

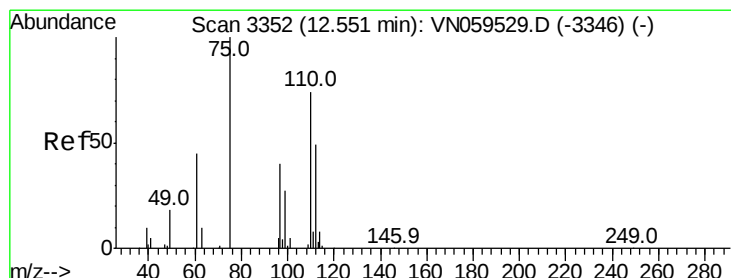
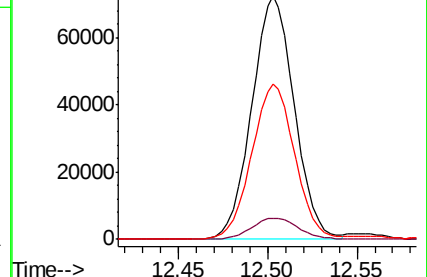
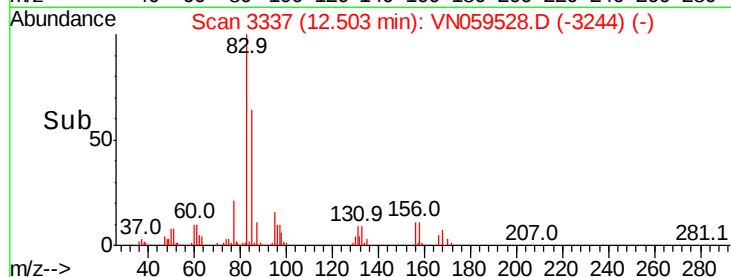
85 64.5 31.6 95.0



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: 31.245 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059528.D

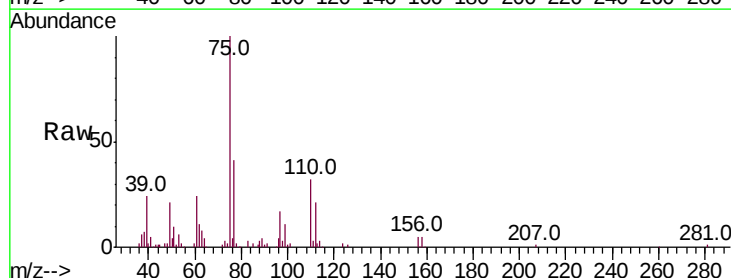
Acq: 9 Dec 2019 15:30

Tgt Ion: 75 Resp: 160258

Ion Ratio Lower Upper

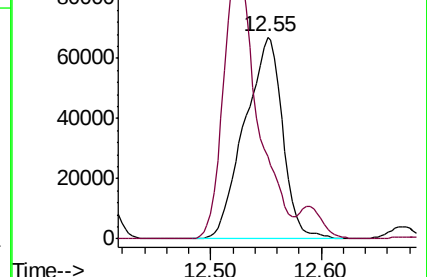
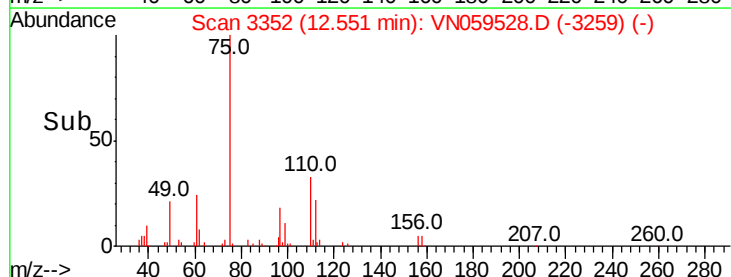
75 100

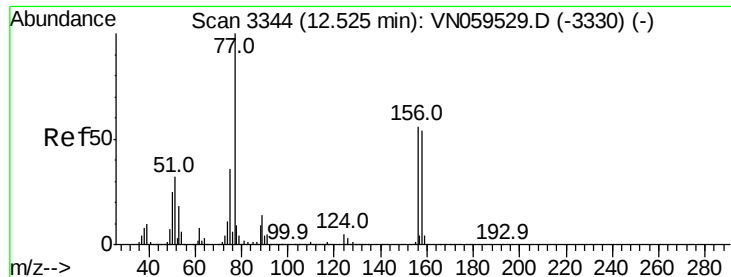
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 21.076 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampled :

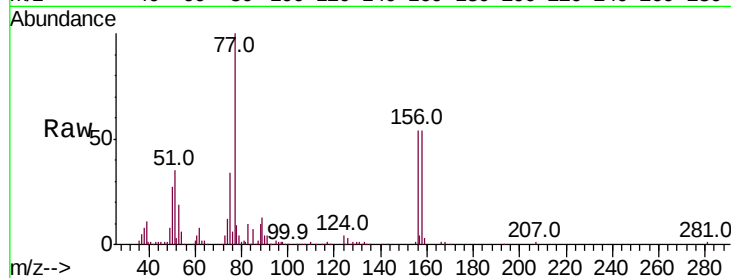
Tot Ion:156 Resp: 85397

Ion Ratio Lower Upper

156 100

77 229.3 109.3 327.8

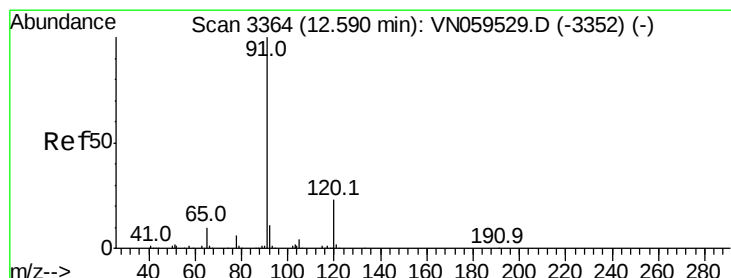
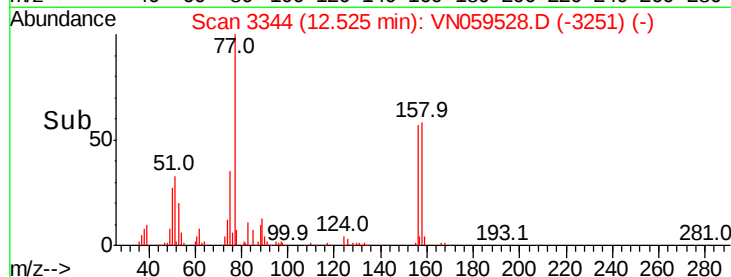
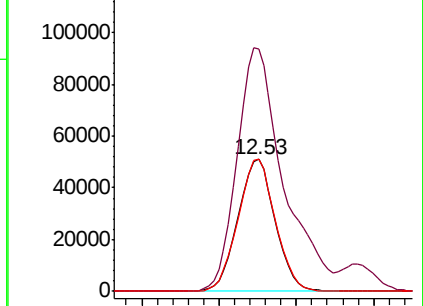
158 100.0 48.6 145.8



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: 22.531 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059528.D

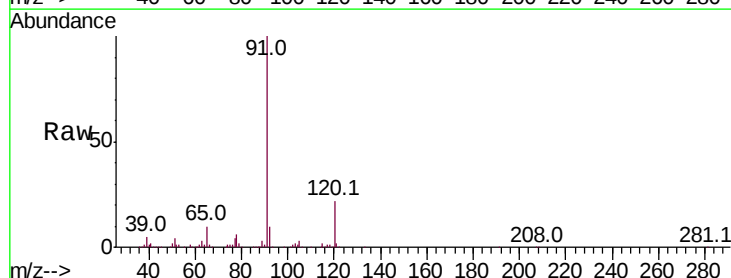
Acq: 9 Dec 2019 15:30

Tgt Ion: 91 Resp: 423806

Ion Ratio Lower Upper

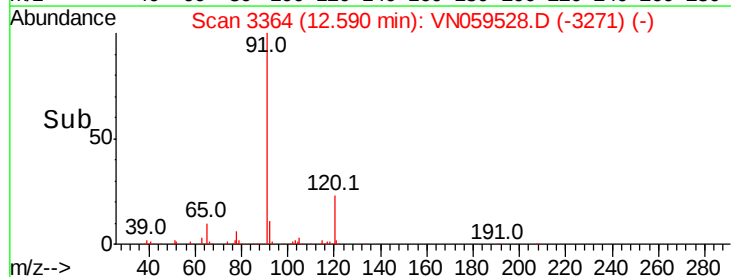
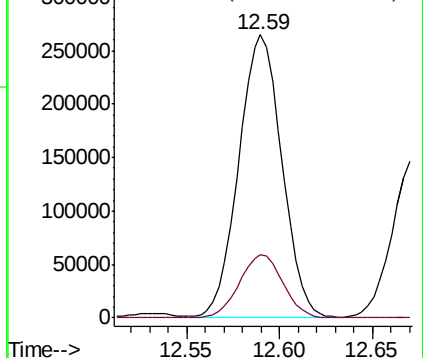
91 100

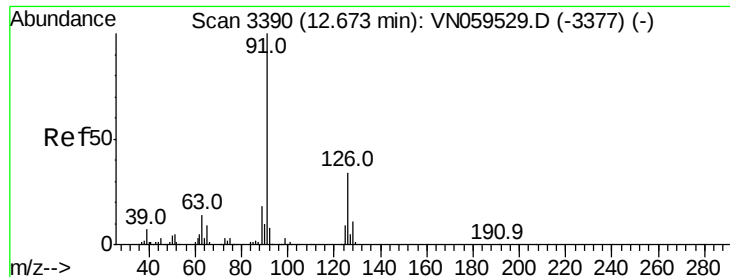
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.743 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

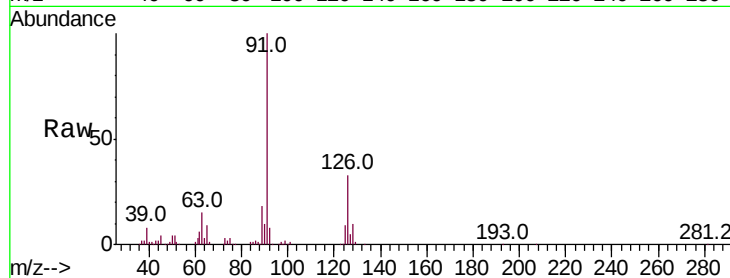
ClientSampled :

Tot Ion: 91 Resp: 246901

Ion Ratio Lower Upper

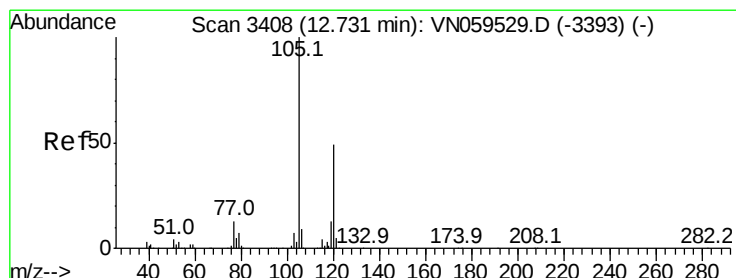
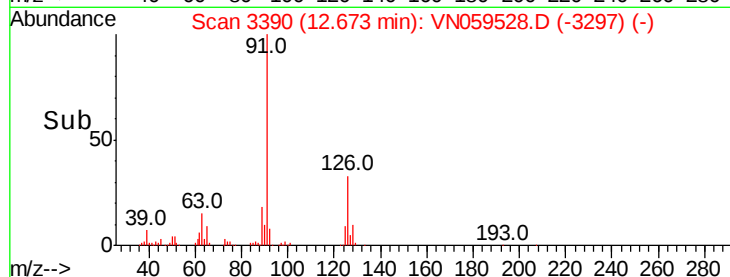
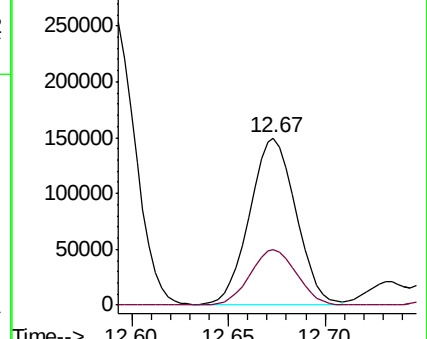
91 100

126 33.7 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN059528.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059528.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.653 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059528.D

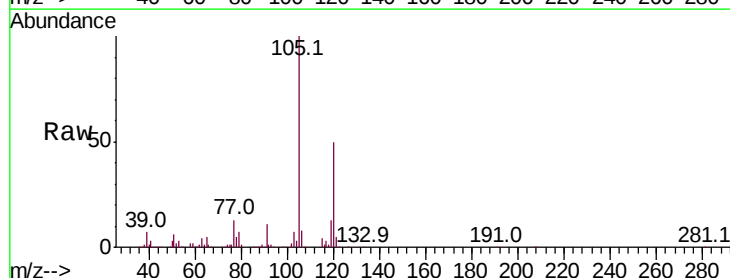
Acq: 9 Dec 2019 15:30

Tgt Ion:105 Resp: 306795

Ion Ratio Lower Upper

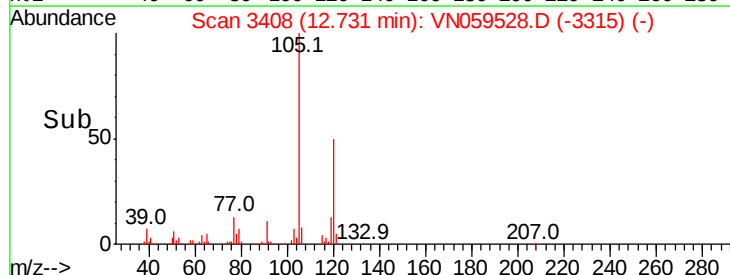
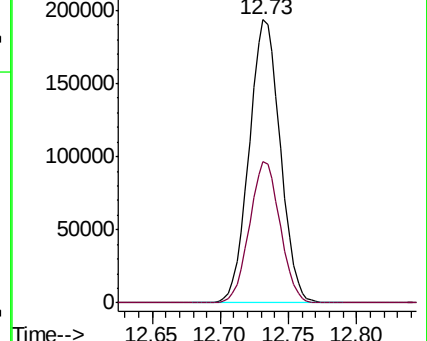
105 100

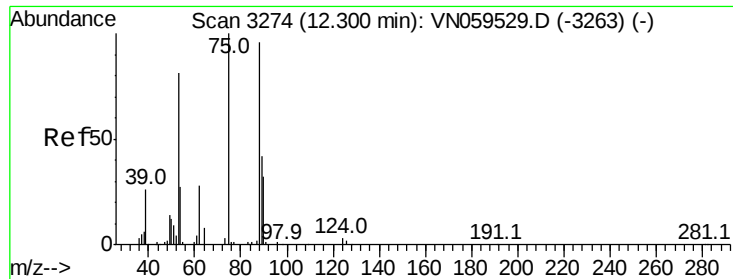
120 49.0 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059528.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN059528.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.538 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

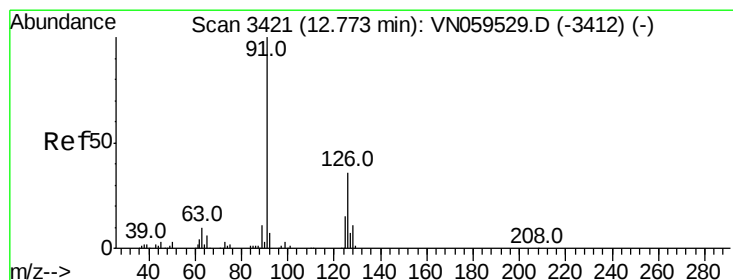
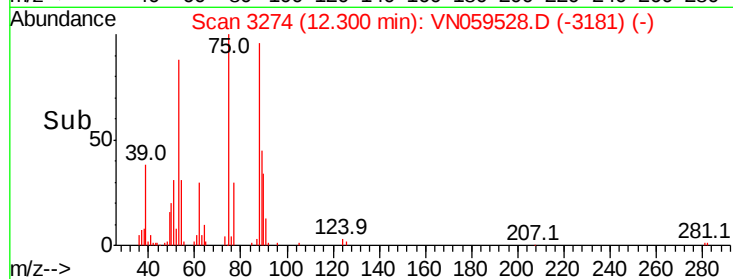
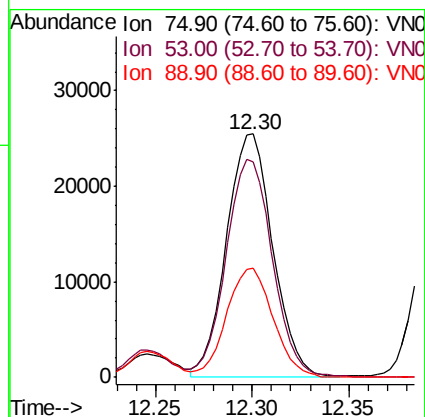
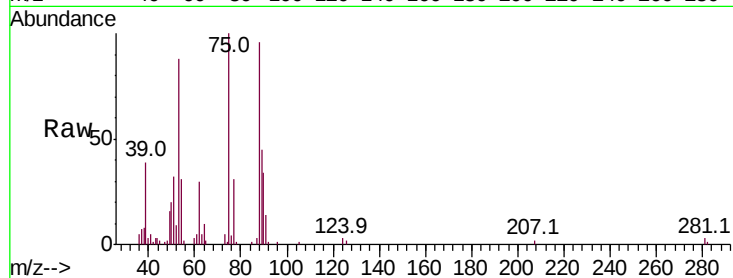
Tot Ion: 75 Resp: 42592

Ion	Ratio	Lower	Upper
75	100		
53	89.9	67.0	100.6
89	44.9	35.5	53.3

75 100

53 89.9 67.0 100.6

89 44.9 35.5 53.3



#82

4-Chlorotoluene

Concen: 21.954 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059528.D

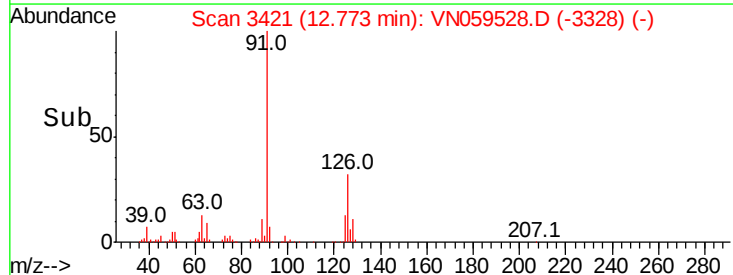
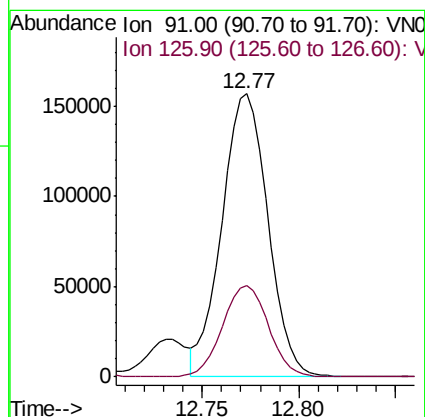
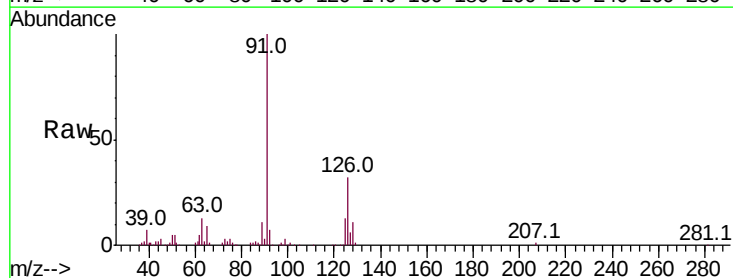
Acq: 9 Dec 2019 15:30

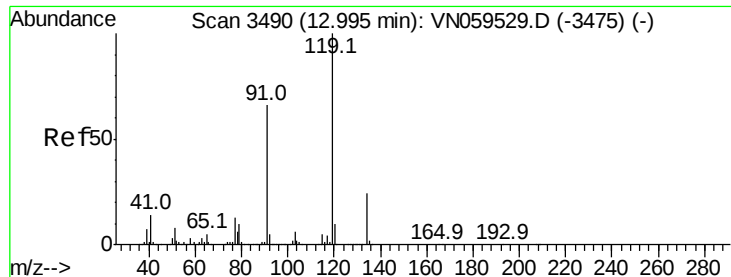
Tgt Ion: 91 Resp: 258252

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4

91 100

126 32.6 16.4 49.4

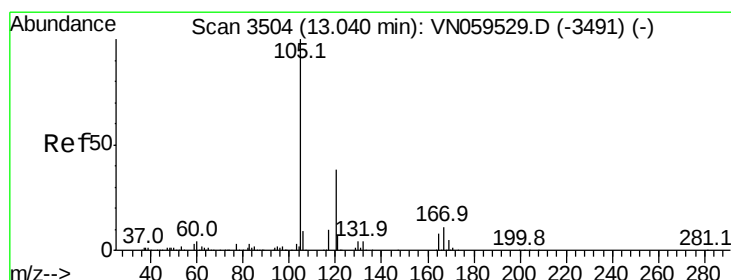
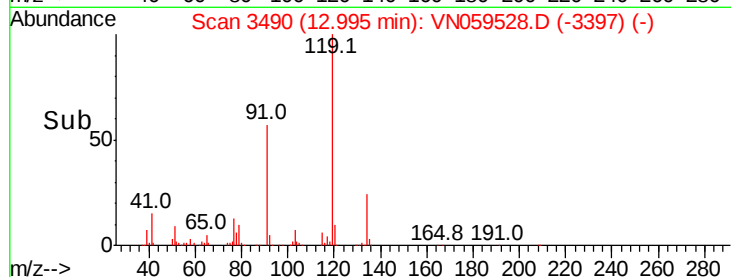
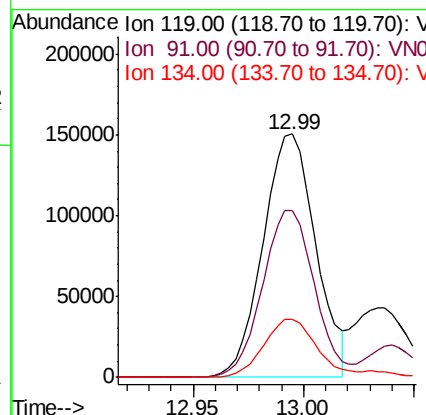
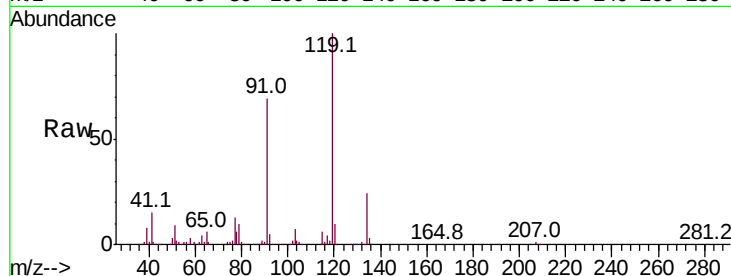




#83
 tert-Butylbenzene
 Concen: 21.222 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

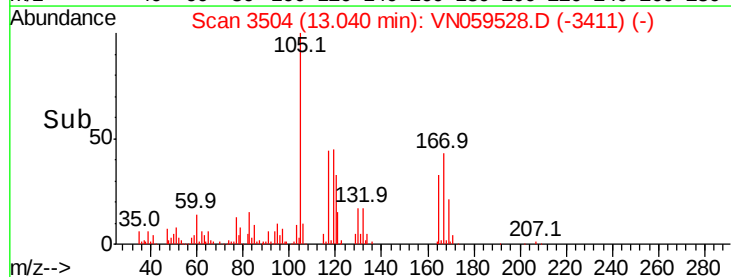
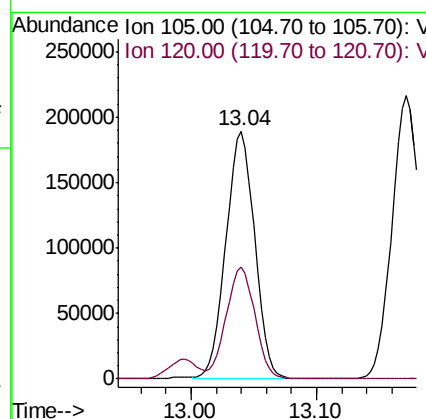
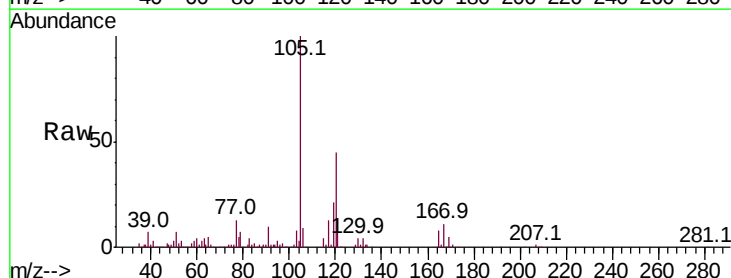
Instrument :
 MSVOA_N
 ClientSampleId :

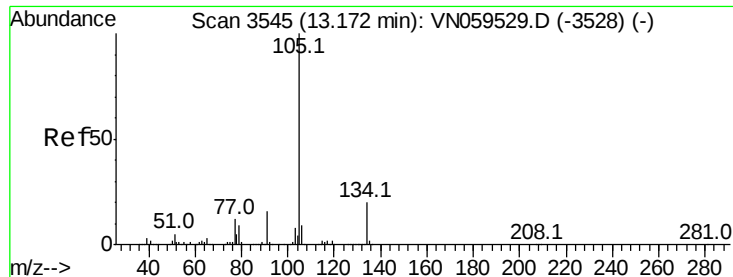
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	32.8	98.4
134	24.0	12.8	38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 22.654 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.3

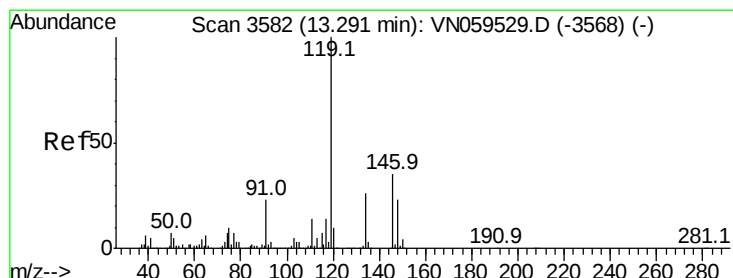
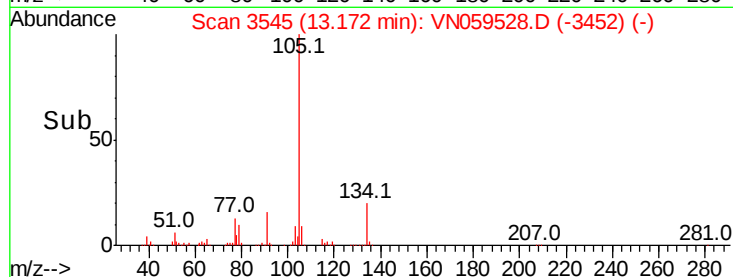
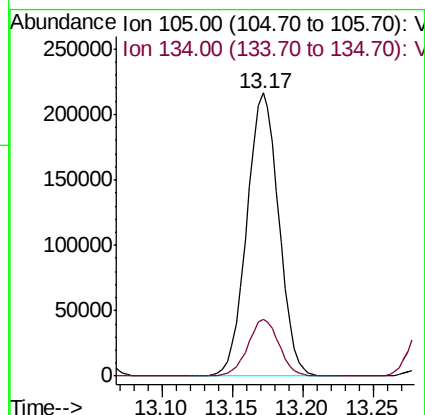
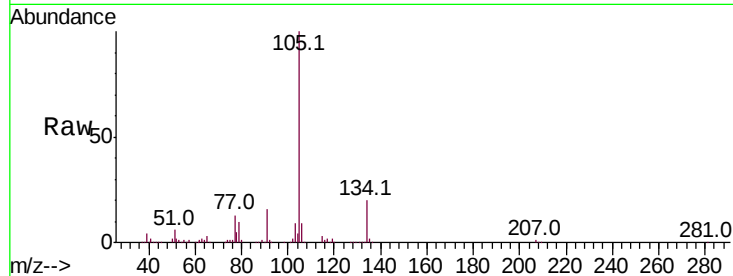




#85
 sec-Butylbenzene
 Concen: 21.984 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

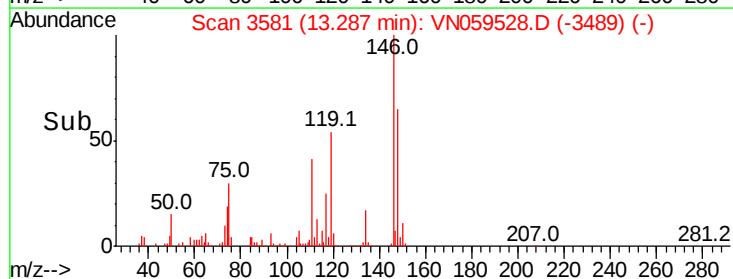
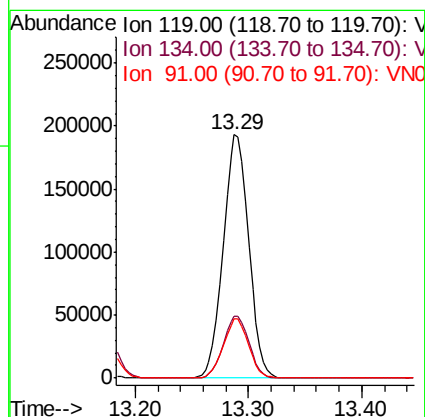
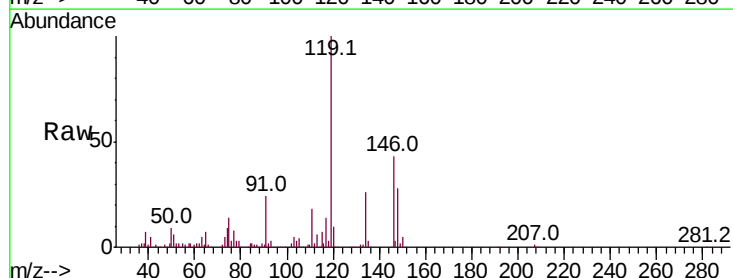
Instrument :
 MSVOA_N
 ClientSampled :

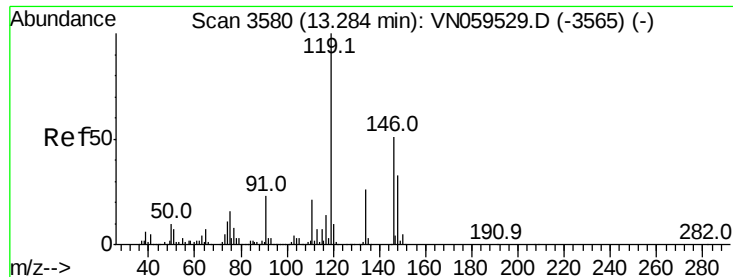
Tot Ion:105 Resp: 343139
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.587 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion:119 Resp: 302975
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 23.8 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 21.102 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampled :

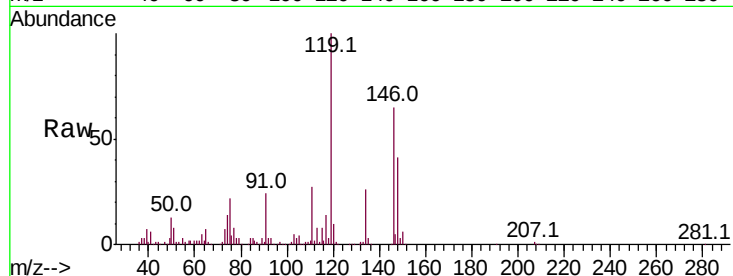
Tot Ion:146 Resp: 152177

Ion Ratio Lower Upper

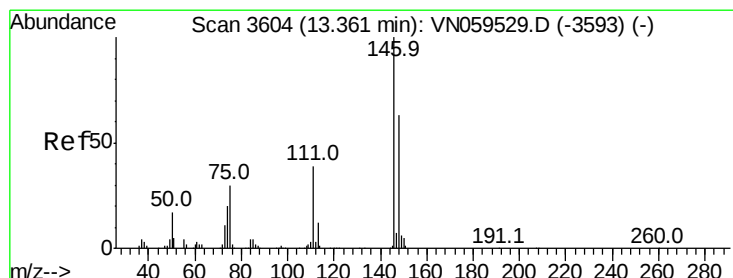
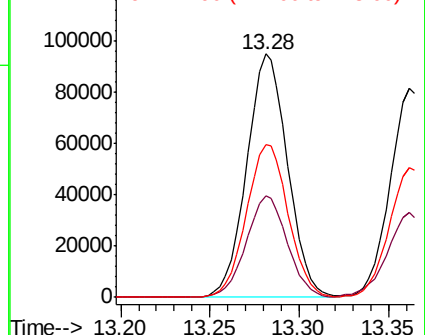
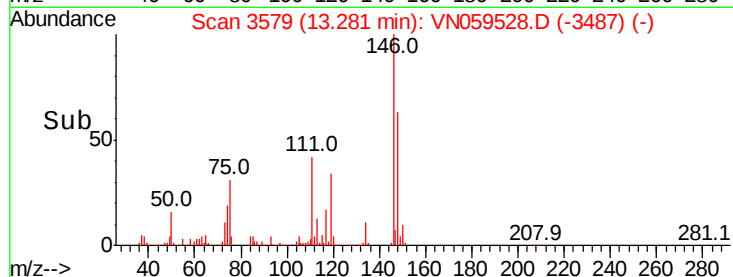
146 100

111 41.6 20.6 61.8

148 64.4 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 18.228 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

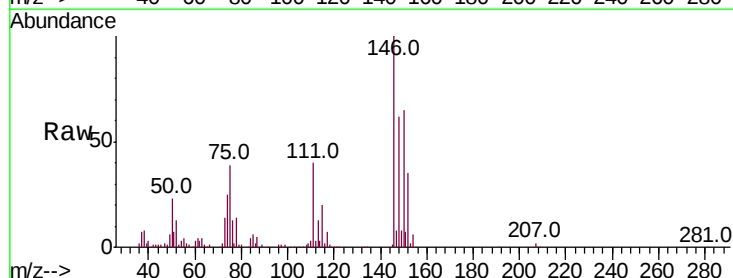
Tgt Ion:146 Resp: 132723

Ion Ratio Lower Upper

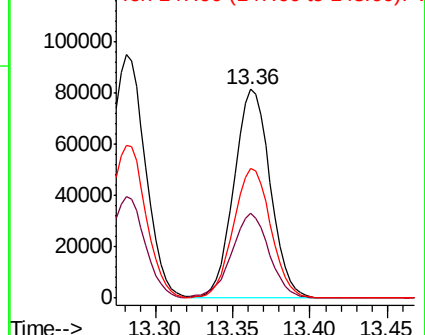
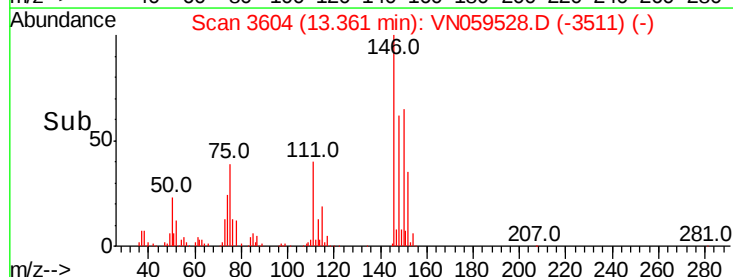
146 100

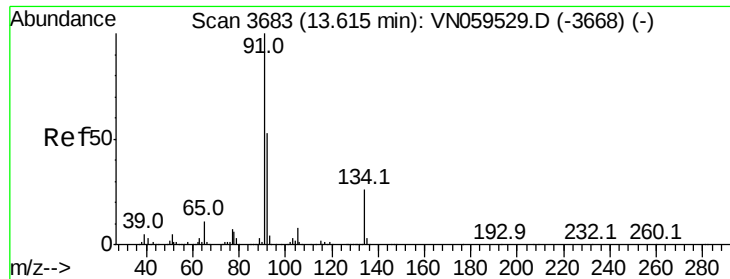
111 41.9 20.0 59.9

148 64.0 31.9 95.7



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





#89

n-Butylbenzene

Concen: 19.355 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

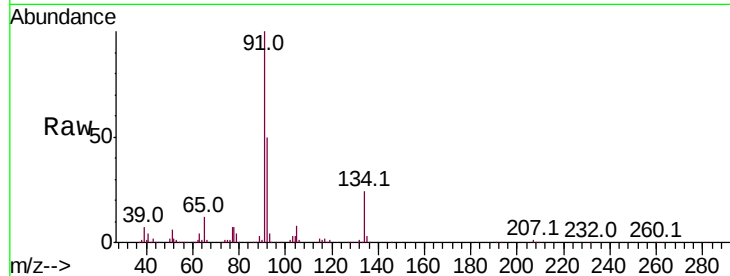
Tot Ion: 91 Resp: 244081

Ion Ratio Lower Upper

91 100

92 50.0 26.3 78.9

134 24.1 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN059528.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059528.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059528.D (-3668) (-)

13.62

150000

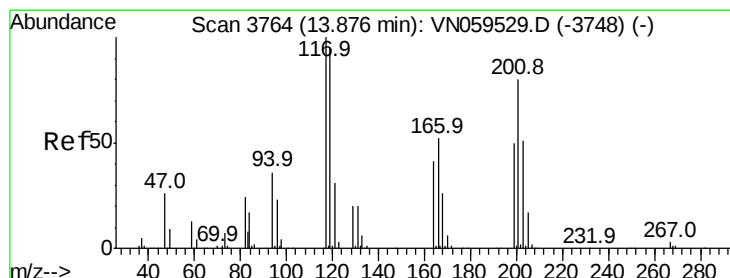
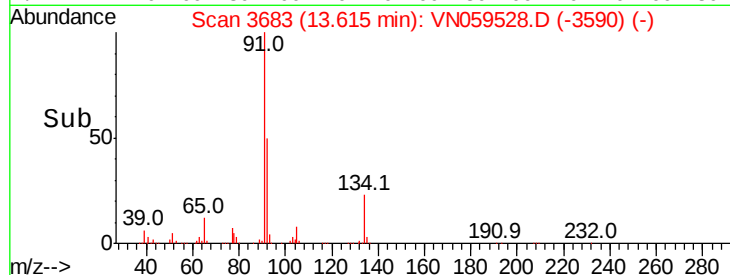
100000

50000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 17.695 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059528.D

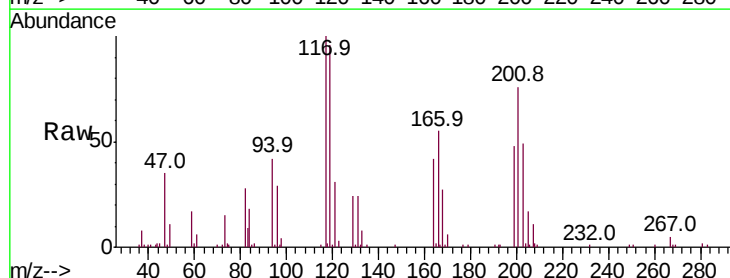
Acq: 9 Dec 2019 15:30

Tgt Ion: 117 Resp: 47855

Ion Ratio Lower Upper

117 100

201 76.5 40.5 121.5



Abundance Ion 116.80 (116.50 to 117.50): VN059528.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN059528.D (-3748) (-)

13.88

30000

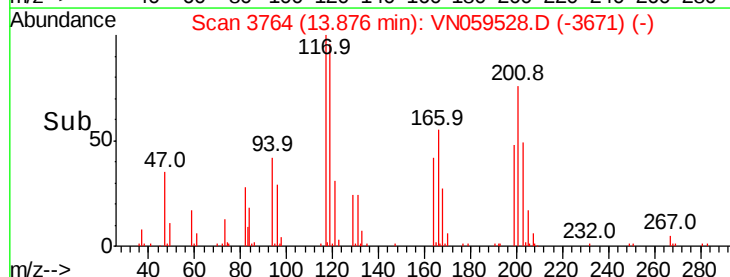
20000

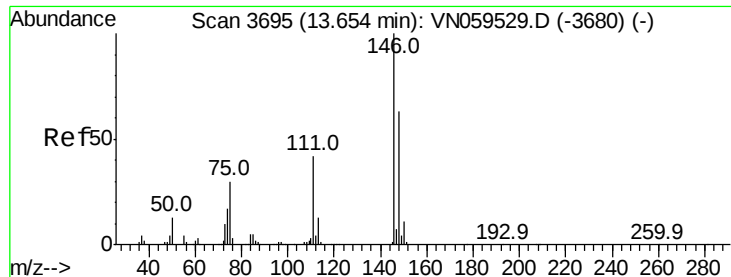
10000

0

13.80 13.85 13.90

Time-->

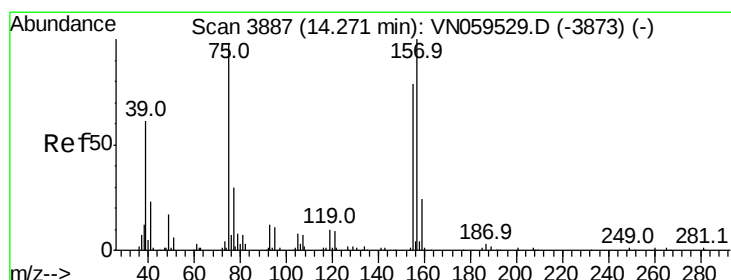
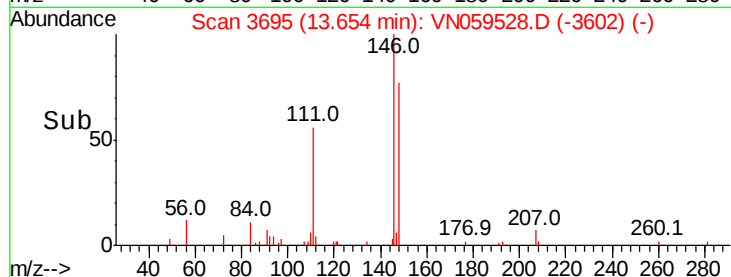
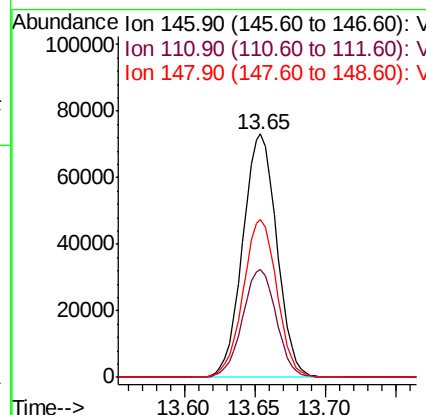
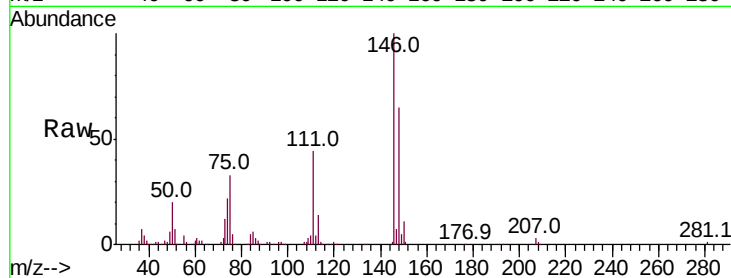




#91
 1,2-Dichlorobenzene
 Concen: 18.011 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

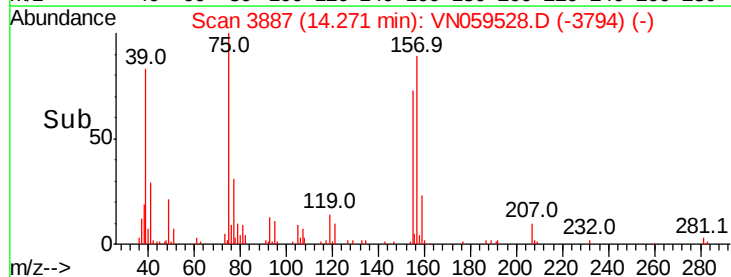
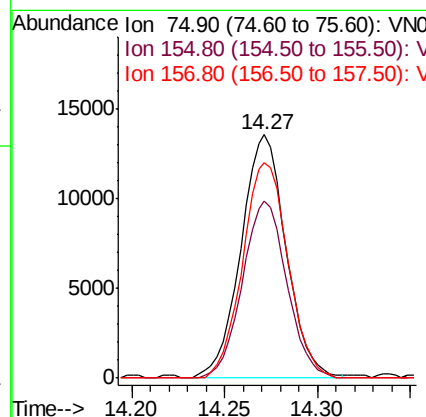
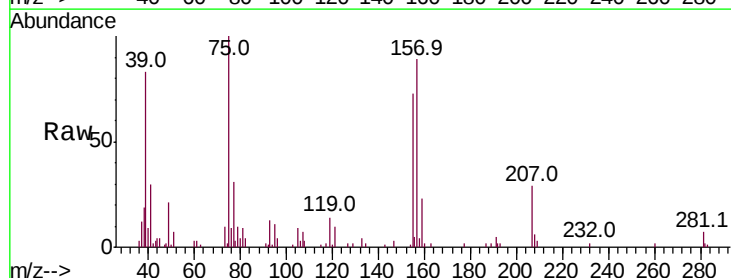
Instrument :
 MSVOA_N
 ClientSampleId :

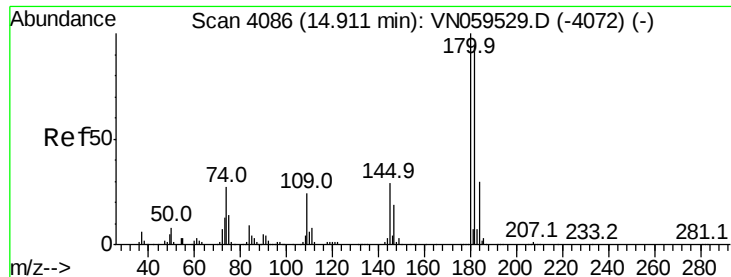
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.9	62.7
148	64.0	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.298 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	40.4	121.1
157	88.6	51.1	153.3

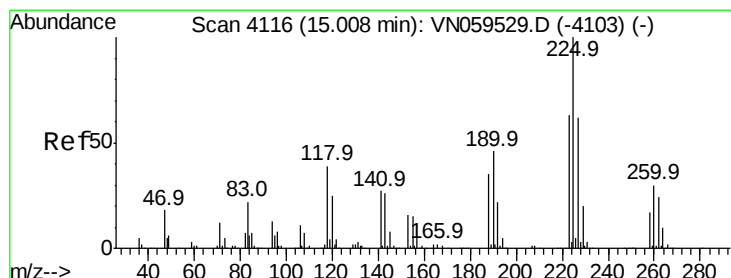
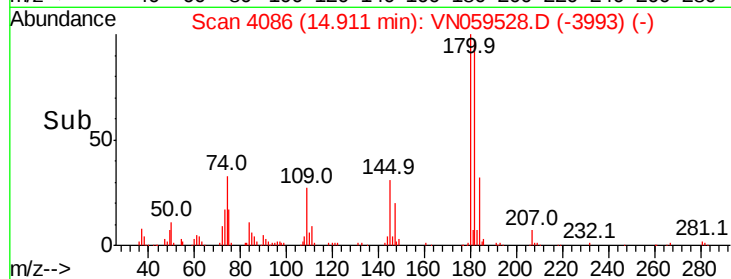
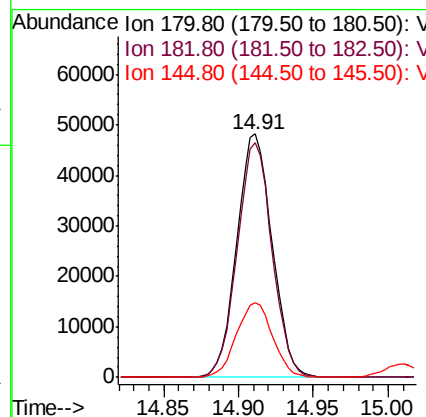
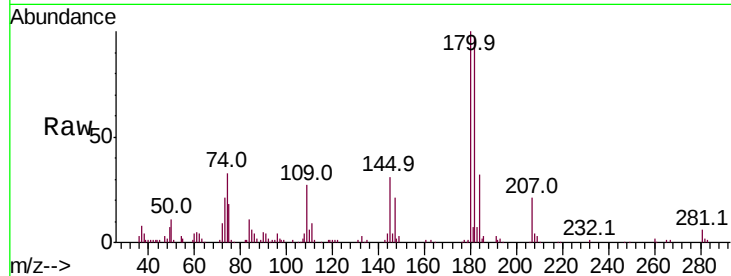




#93
 1,2,4-Trichlorobenzene
 Concen: 18.288 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

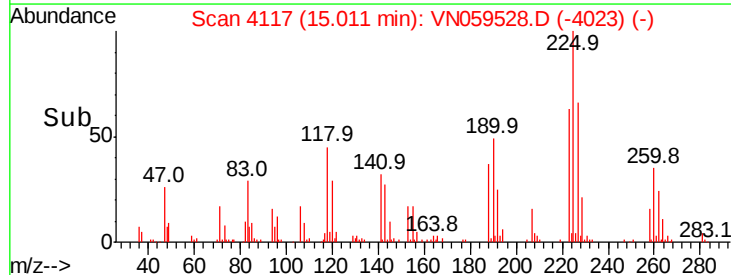
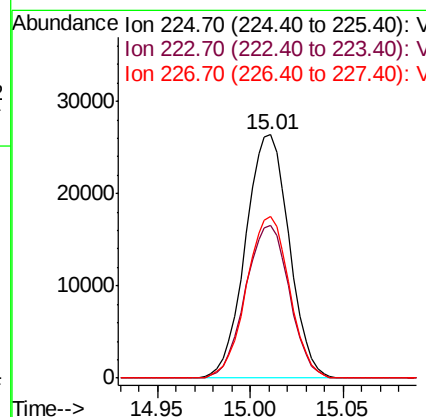
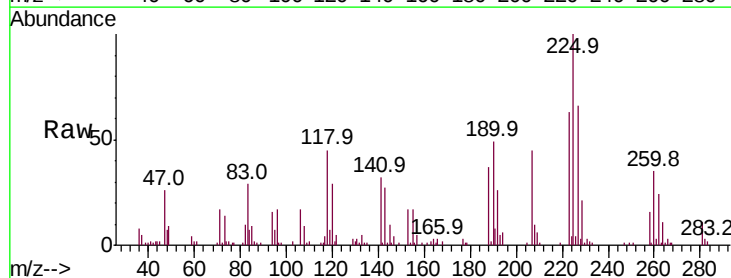
Instrument :
 MSVOA_N
 ClientSampleId :

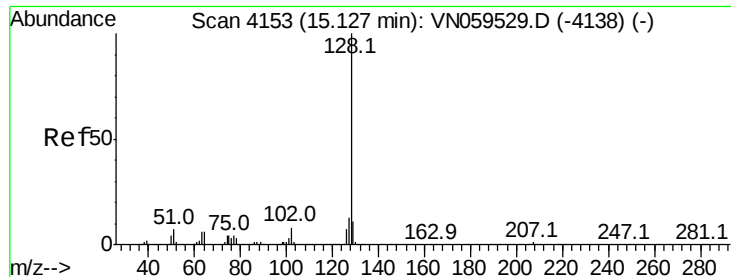
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	142.0
145	31.2	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 16.030 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.3	93.9
227	65.3	31.6	95.0





#95

Naphthalene

Concen: 17.861 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

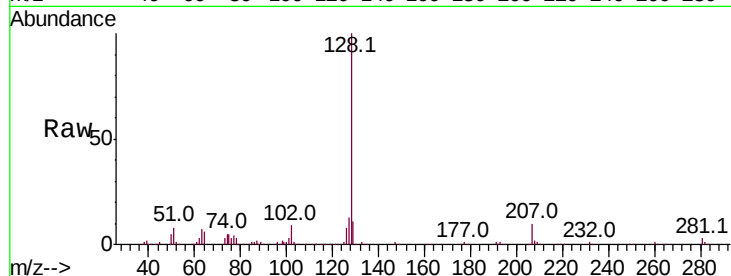
Tot Ion:128 Resp: 227378

Ion Ratio Lower Upper

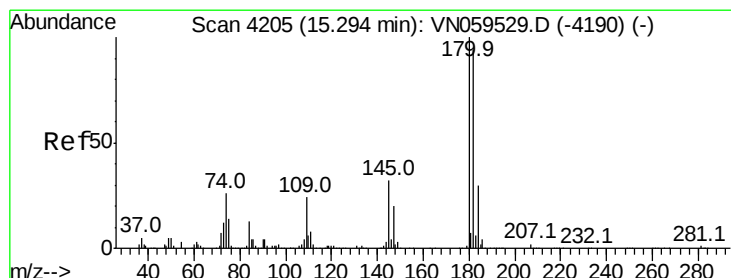
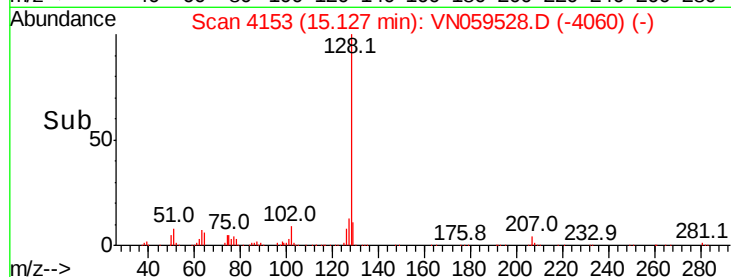
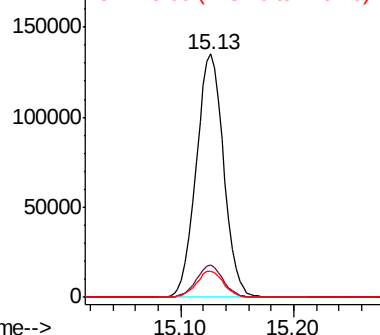
128 100

127 12.8 10.2 15.4

129 10.7 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 16.758 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

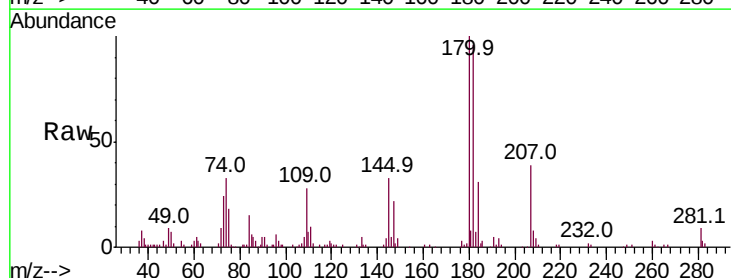
Tgt Ion:180 Resp: 77828

Ion Ratio Lower Upper

180 100

182 95.6 47.1 141.4

145 33.5 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

