

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054137.D
 Acq On : 11 Mar 2019 12:22
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 12 01:25:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1703162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2518479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2305769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1190071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	2680952	147.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.38%	
35) Dibromofluoromethane	7.59	113	2441533	150.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.52%	
50) Toluene-d8	10.09	98	9308586	155.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.02%	
62) 4-Bromofluorobenzene	12.40	95	3419000	163.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1914020	136.377	ug/l	100
3) Chloromethane	2.06	50	2319202	138.855	ug/l	100
4) Vinyl Chloride	2.19	62	2584351	137.283	ug/l	99
5) Bromomethane	2.56	94	1781147	138.018	ug/l	99
6) Chloroethane	2.70	64	1607706	137.359	ug/l	99
7) Trichlorofluoromethane	3.02	101	3560856	137.268	ug/l	99
8) Diethyl Ether	3.41	74	1443444	138.269	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.75	101	2262570	135.451	ug/l	96
10) Methyl Iodide	3.94	142	3488120	163.414	ug/l	97
11) Tert butyl alcohol	4.82	59	940498	747.911	ug/l	100
12) 1,1-Dichloroethene	3.73	96	2243622	139.020	ug/l	90
13) Acrolein	3.61	56	857638	840.698	ug/l	100
14) Allyl chloride	4.32	41	3212629	137.335	ug/l	87
15) Acrylonitrile	5.00	53	3838738	755.534	ug/l	98
16) Acetone	3.82	43	3312543	732.486	ug/l	95
17) Carbon Disulfide	4.04	76	5946567	142.763	ug/l	99
18) Methyl Acetate	4.33	43	1711660	146.195	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	6388932	145.611	ug/l	96
20) Methylene Chloride	4.54	84	2266678	138.371	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	2254742	142.268	ug/l	92
22) Diisopropyl ether	5.96	45	6701093	155.106	ug/l #	95
23) Vinyl Acetate	5.90	43	25265865	774.520	ug/l	95
24) 1,1-Dichloroethane	5.85	63	4009809	143.169	ug/l	98
25) 2-Butanone	6.85	43	4683401	770.781	ug/l	93
26) 2,2-Dichloropropane	6.82	77	3698397	142.992	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	2667423	147.139	ug/l	93
28) Bromochloromethane	7.19	49	1826798	149.982	ug/l #	76
29) Tetrahydrofuran	7.22	42	2904655	744.027	ug/l	89
30) Chloroform	7.37	83	4242606	143.048	ug/l	98
31) Cyclohexane	7.65	56	3501606	150.782	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	3886033	144.752	ug/l	97
36) 1,1-Dichloropropene	7.79	75	3234814	147.581	ug/l	98
37) Ethyl Acetate	6.94	43	2021259	142.204	ug/l	97
38) Carbon Tetrachloride	7.77	117	3512007	144.538	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054137.D
 Acq On : 11 Mar 2019 12:22
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 12 01:25:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	3920276	145.275	ug/l	94
40) Benzene	8.04	78	9416678	149.507	ug/l	99
41) Methacrylonitrile	7.18	41	1139733	154.009	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	3165098	145.756	ug/l	100
43) Isopropyl Acetate	8.17	43	3767880	159.469	ug/l #	88
44) Trichloroethene	8.83	130	2861834	147.231	ug/l	99
45) 1,2-Dichloropropane	9.12	63	2400027	149.118	ug/l	100
46) Dibromomethane	9.21	93	1595842	146.154	ug/l	92
47) Bromodichloromethane	9.40	83	3390808	149.813	ug/l	99
48) Methyl methacrylate	9.20	41	1945423	153.153	ug/l	97
49) 1,4-Dioxane	9.21	88	502256	3047.615	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	10049135	792.946	ug/l	96
52) Toluene	10.16	92	6154885	152.622	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	3802966	165.014	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	4063553	157.006	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	2278448	149.863	ug/l	98
56) Ethyl methacrylate	10.43	69	3056926	164.270	ug/l	94
57) 1,3-Dichloropropane	10.71	76	3757777	152.696	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	6342380	923.098	ug/l	91
59) 2-Hexanone	10.75	43	6863358	816.041	ug/l	97
60) Dibromochloromethane	10.90	129	2847659	161.697	ug/l	100
61) 1,2-Dibromoethane	11.01	107	2406401	157.505	ug/l	99
64) Tetrachloroethene	10.63	164	2803610	132.056	ug/l	99
65) Chlorobenzene	11.43	112	7225277	147.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	2749773	149.613	ug/l	98
67) Ethyl Benzene	11.51	91	12041643	148.276	ug/l	98
68) m/p-Xylenes	11.62	106	9523074	299.862	ug/l	93
69) o-Xylene	11.95	106	4656902	149.388	ug/l	97
70) Styrene	11.96	104	7715349	159.770	ug/l	98
71) Bromoform	12.13	173	2134966	167.616	ug/l #	98
73) Isopropylbenzene	12.25	105	12246520	129.378	ug/l	98
74) N-amyl acetate	12.07	43	3320647	154.021	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	2821634	137.752	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	3735832	222.294	ug/l #	100
77) Bromobenzene	12.53	156	3348780	135.918	ug/l	91
78) n-propylbenzene	12.59	91	13821222	136.453	ug/l	96
79) 2-Chlorotoluene	12.68	91	8234754	132.813	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	10554237	134.505	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	900594	159.517	ug/l	92
82) 4-Chlorotoluene	12.77	91	8599057	142.252	ug/l	97
83) tert-Butylbenzene	12.99	119	9484308	130.877	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	10697849	139.234	ug/l	97
85) sec-Butylbenzene	13.17	105	12385749	131.905	ug/l	97
86) p-Isopropyltoluene	13.29	119	11314125	138.086	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	6022289	146.273	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	5940601	146.127	ug/l	99
89) n-Butylbenzene	13.61	91	9668372	153.860	ug/l	98
90) Hexachloroethane	13.88	117	2087111	142.652	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	5751272	142.272	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	495308	140.440	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
Data File : VN054137.D
Acq On : 11 Mar 2019 12:22
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Mar 12 01:25:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 12 00:55:17 2019
Response via : Initial Calibration

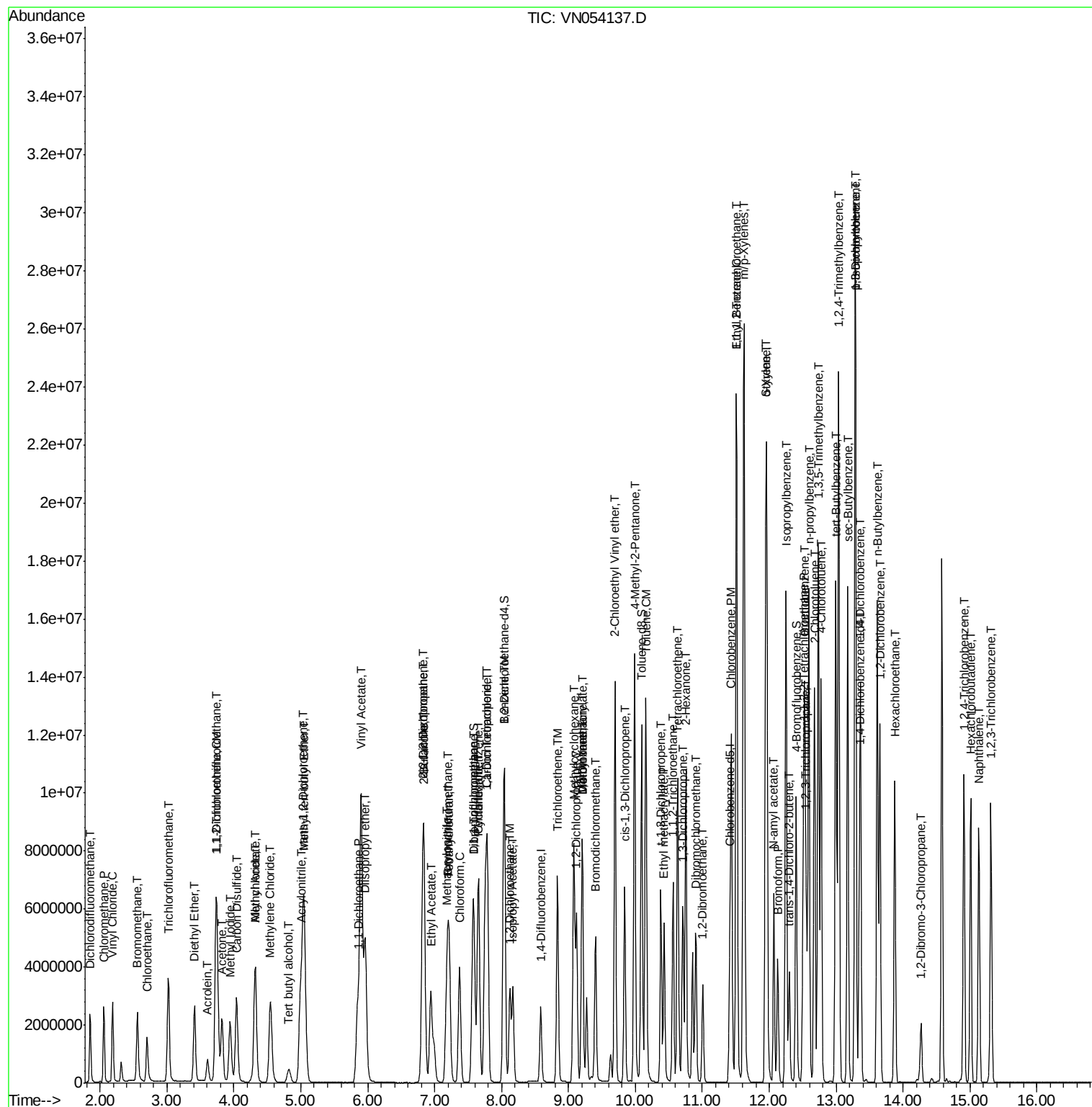
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3834075	182.852	ug/l	99
94) Hexachlorobutadiene	15.01	225	2110926	132.037	ug/l	99
95) Naphthalene	15.13	128	8172016	183.691	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	3658582	172.201	ug/l	100

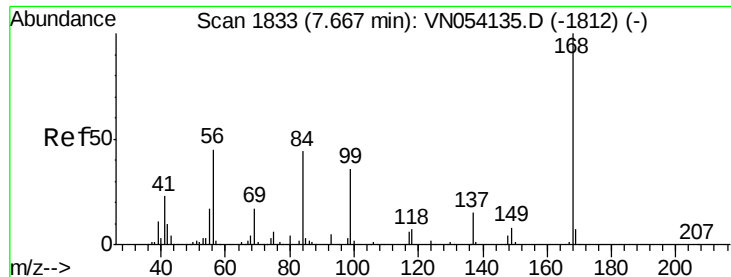
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054137.D
 Acq On : 11 Mar 2019 12:22
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Mar 12 01:25:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

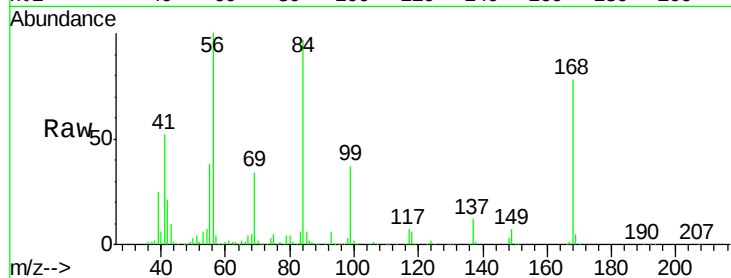
VSTDIC150

Tot Ion:168 Resp: 1703162

Ion Ratio Lower Upper

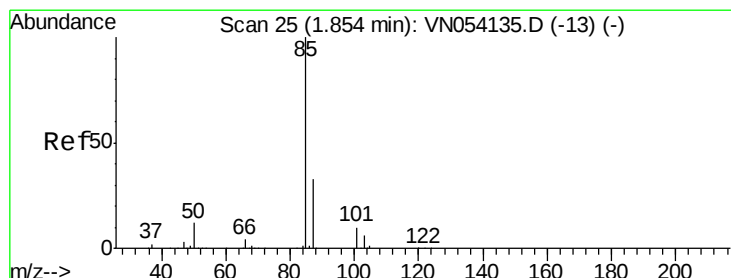
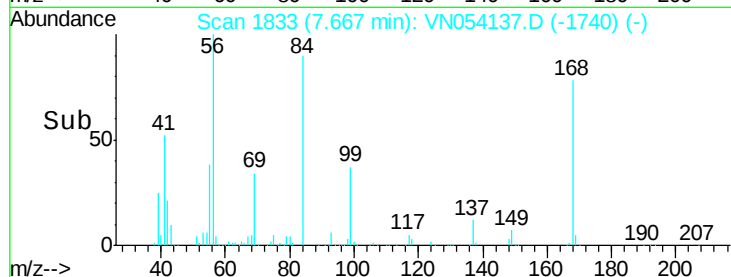
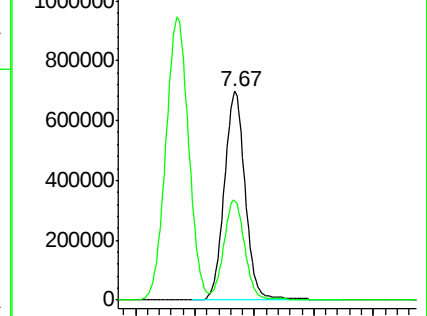
168 100

99 47.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 136.377 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054137.D

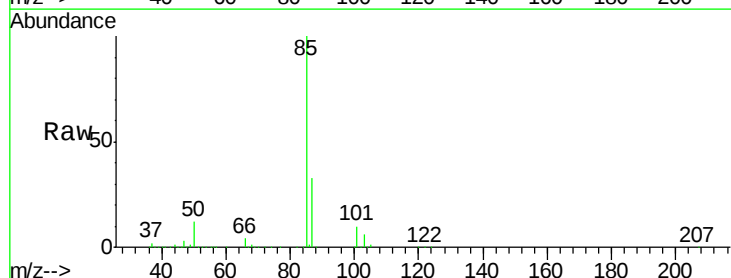
Acq: 11 Mar 2019 12:22

Tgt Ion: 85 Resp: 1914020

Ion Ratio Lower Upper

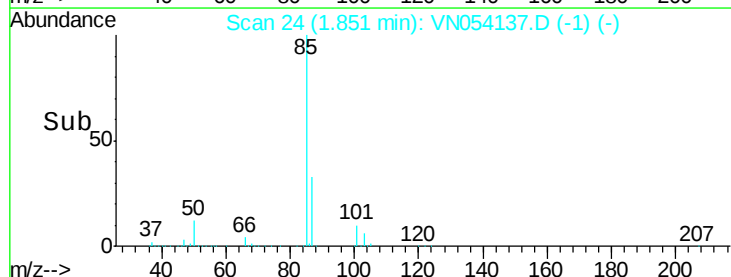
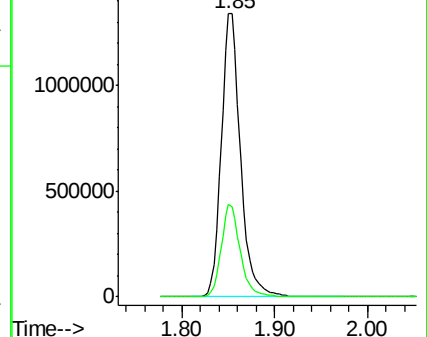
85 100

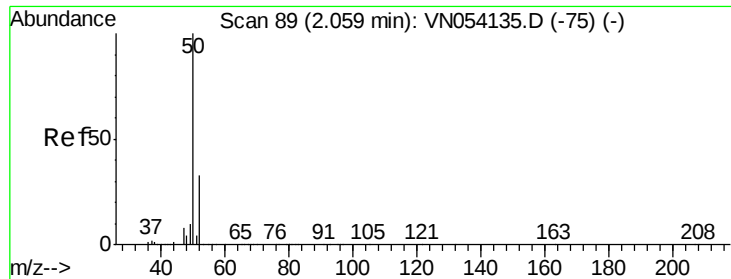
87 32.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 138.855 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

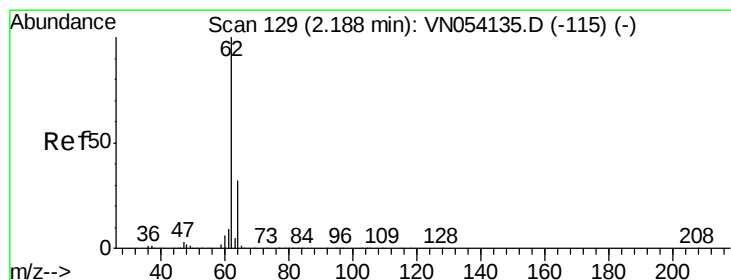
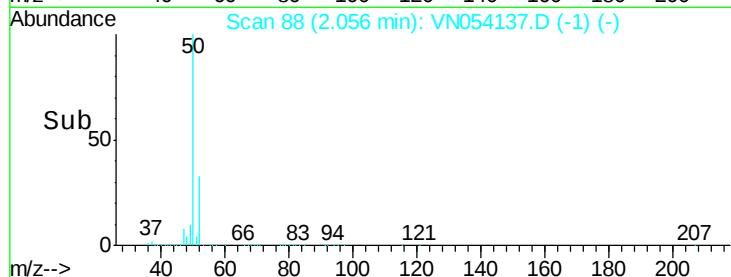
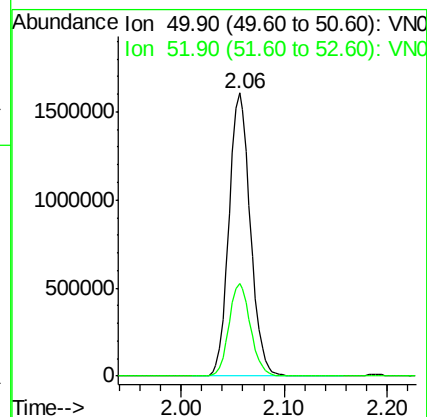
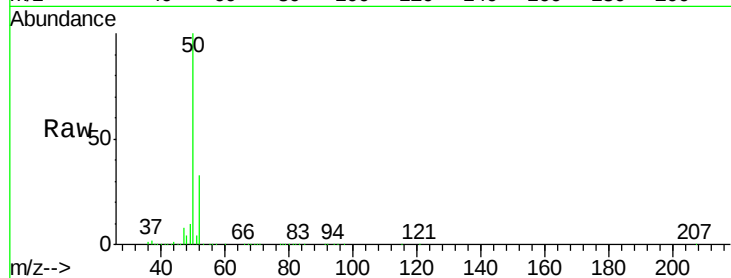
VSTDIC150

Tot Ion: 50 Resp: 2319202

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0



#4

Vinyl Chloride

Concen: 137.283 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054137.D

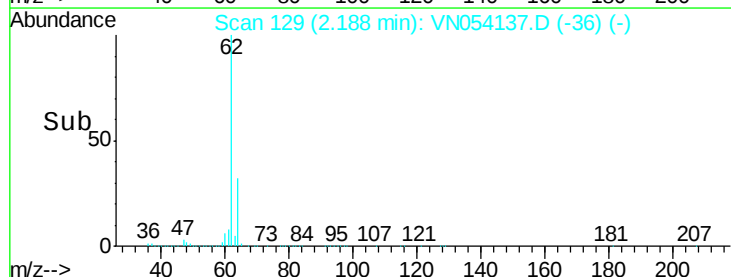
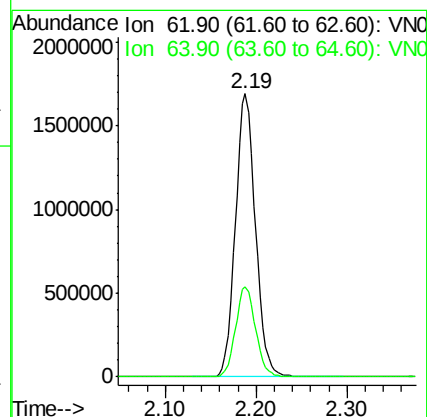
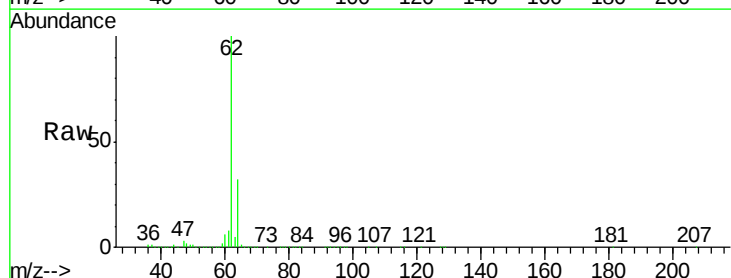
Acq: 11 Mar 2019 12:22

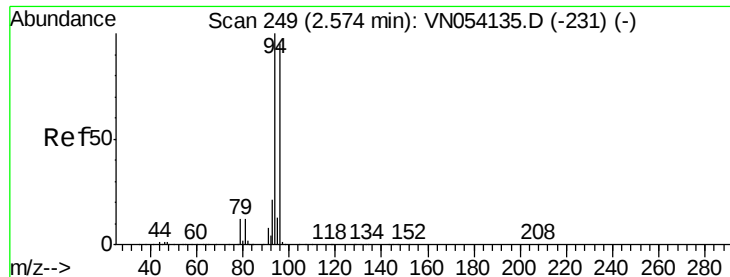
Tgt Ion: 62 Resp: 2584351

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 138.018 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.02 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

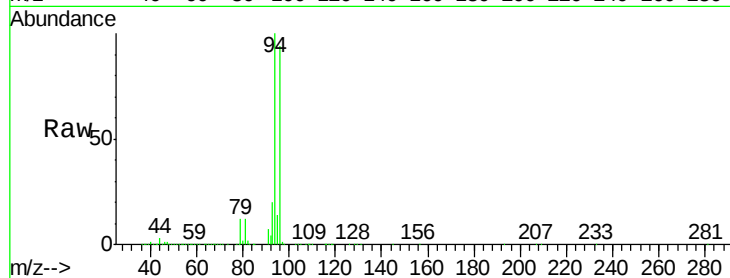
VSTDIC150

Tot Ion: 94 Resp: 1781147

Ion Ratio Lower Upper

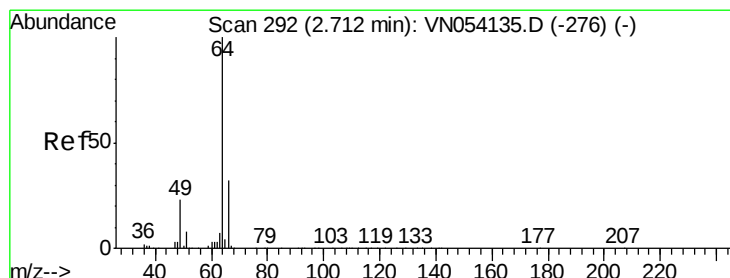
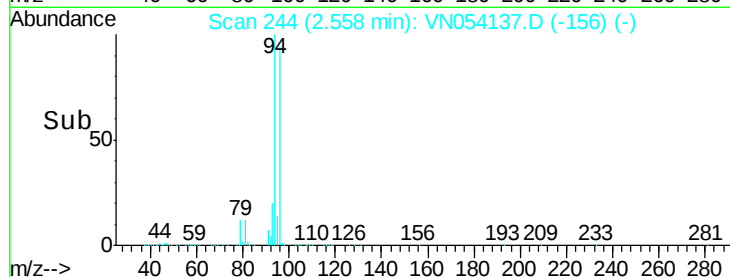
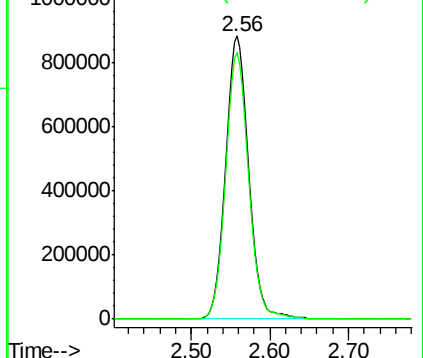
94 100

96 94.1 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 137.359 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN054137.D

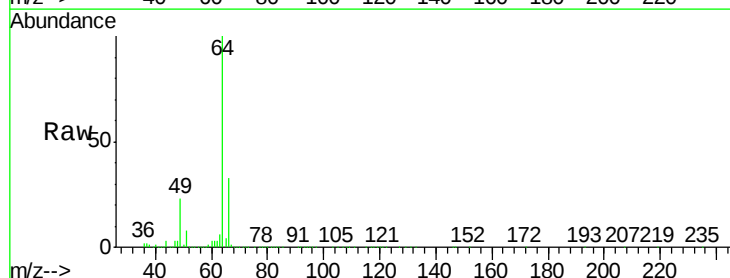
Acq: 11 Mar 2019 12:22

Tgt Ion: 64 Resp: 1607706

Ion Ratio Lower Upper

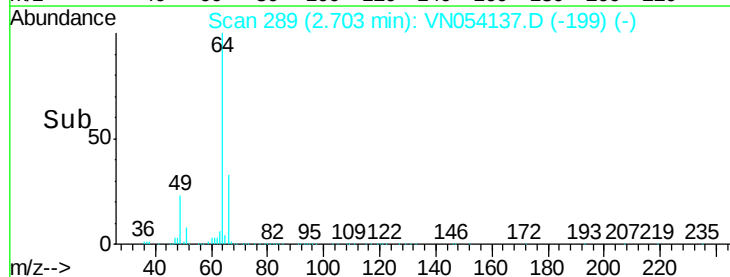
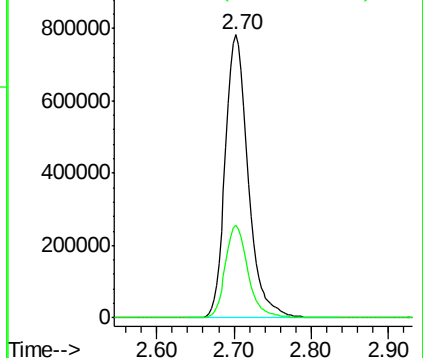
64 100

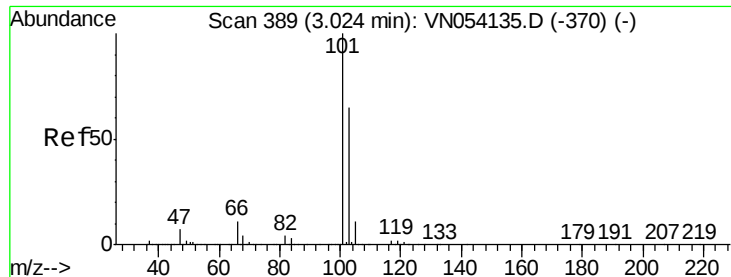
66 32.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



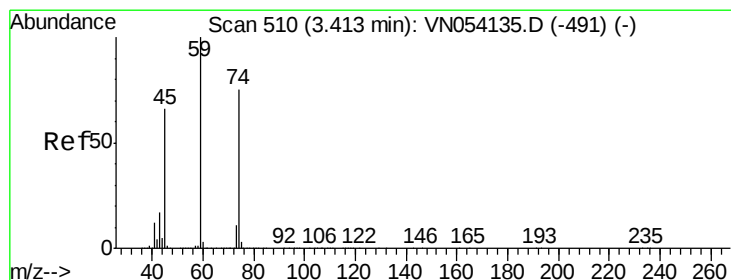
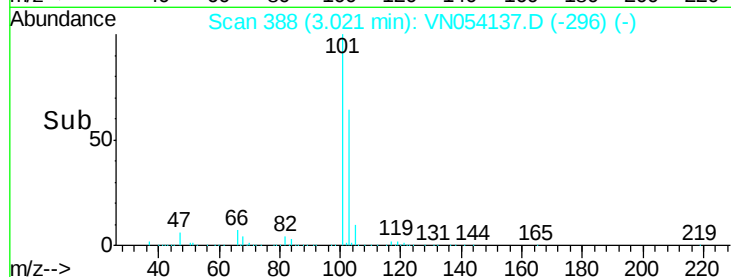
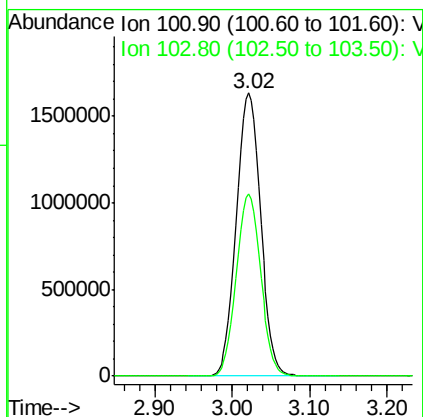
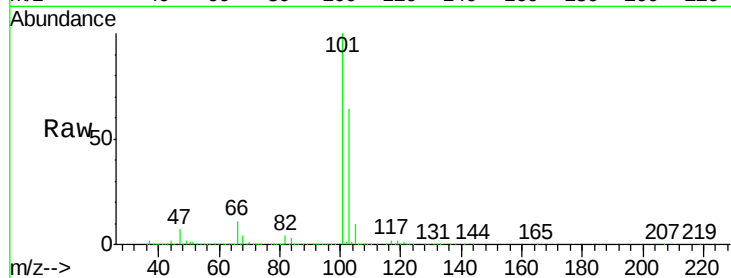


#7

Trichlorofluoromethane
 Concen: 137.268 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

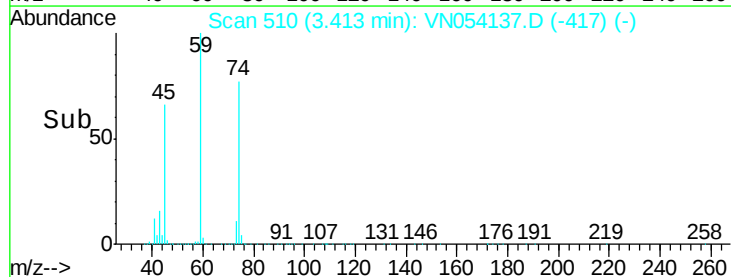
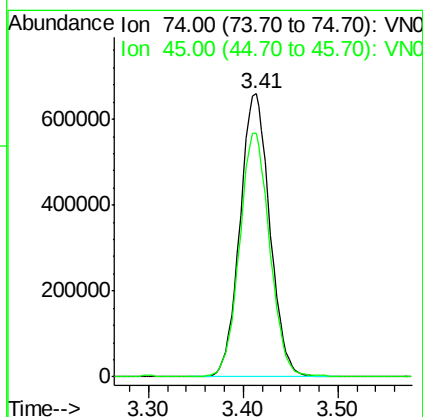
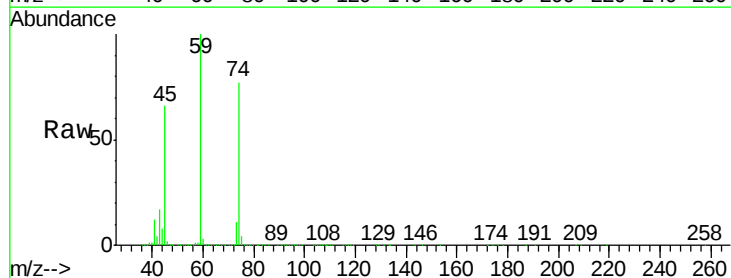
Tot Ion:101 Resp: 3560856
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.0 78.0

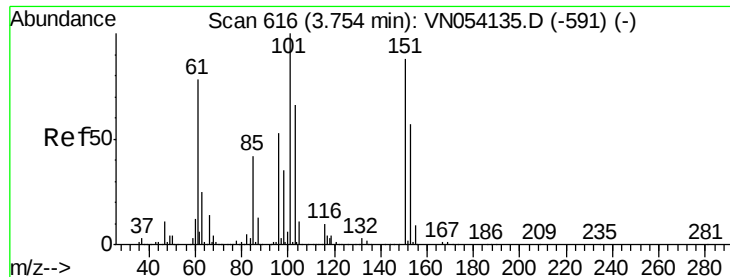


#8

Diethyl Ether
 Concen: 138.269 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

Tgt Ion: 74 Resp: 1443444
 Ion Ratio Lower Upper
 74 100
 45 86.2 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 135.451 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

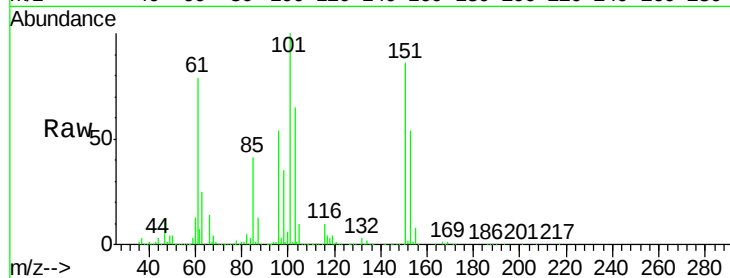
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 2262570

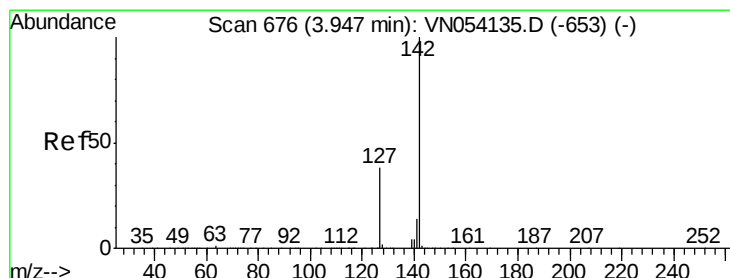
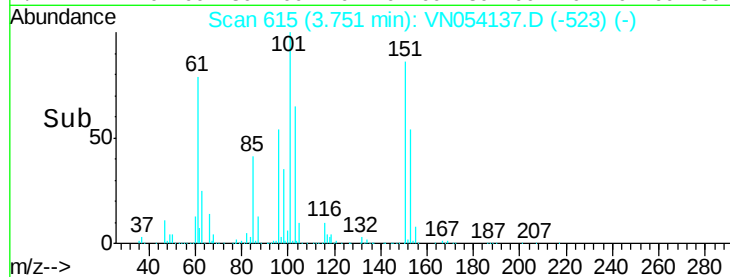
Ion	Ratio	Lower	Upper
101	100		
85	40.6	33.1	49.7
151	85.7	64.3	96.5



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: 163.414 ug/l

RT: 3.94 min Scan# 675

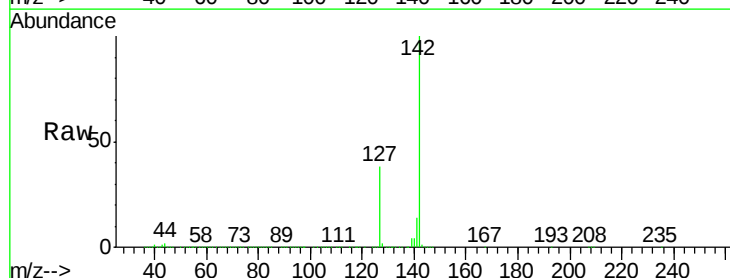
Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Tgt Ion:142 Resp: 3488120

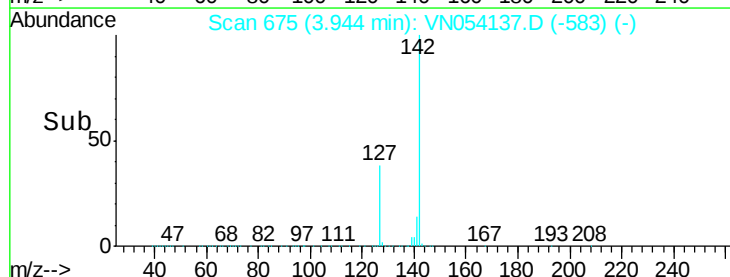
Ion	Ratio	Lower	Upper
142	100		
127	37.5	31.9	47.9
141	13.9	11.4	17.0

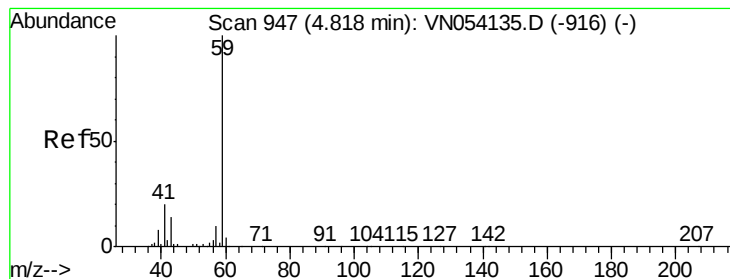


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



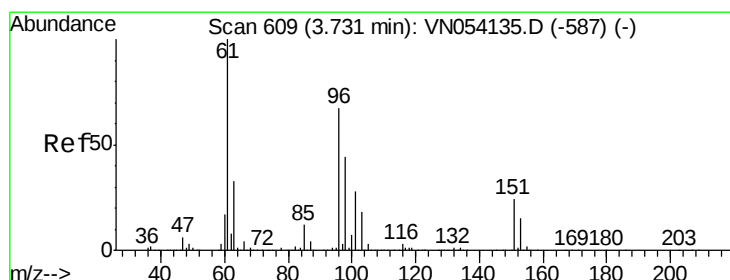
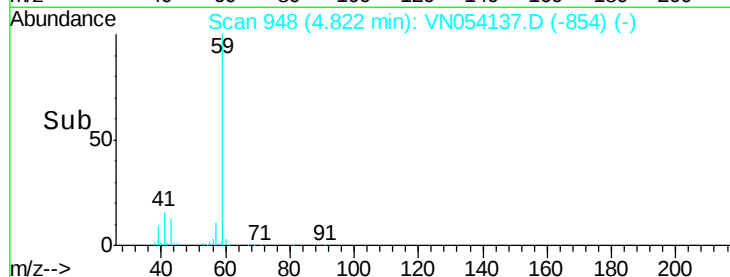
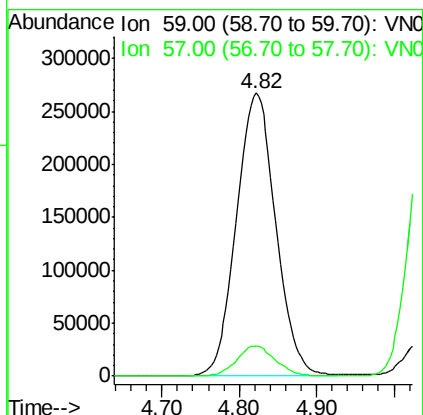
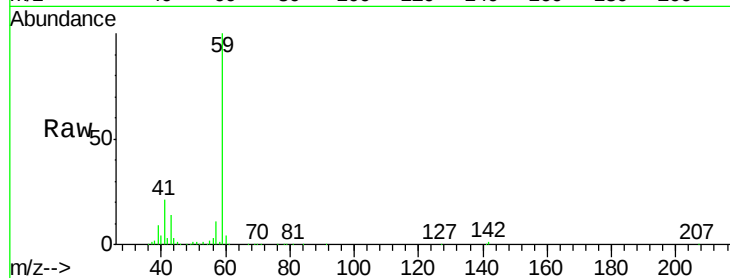


#11

Tert butyl alcohol
 Concen: 747.911 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

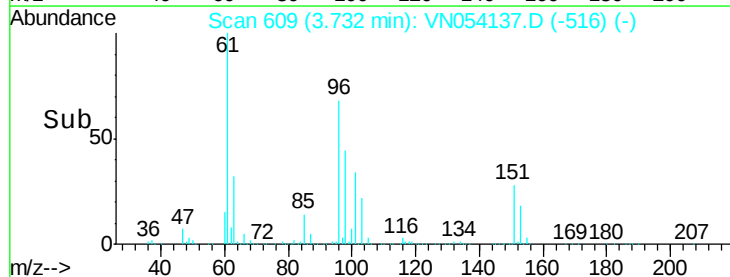
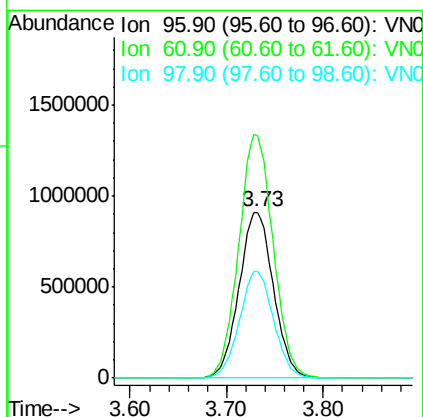
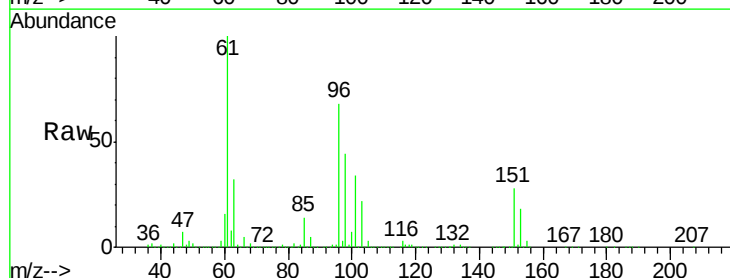
Tot Ion: 59 Resp: 940498
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

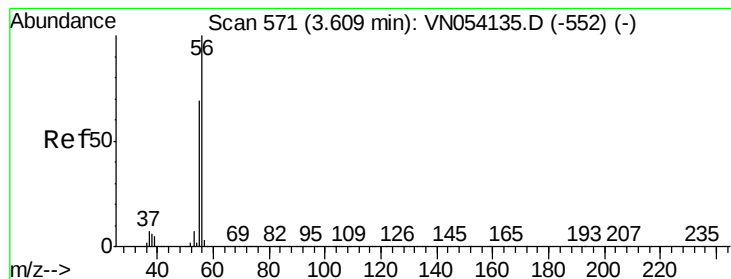


#12

1,1-Dichloroethene
 Concen: 139.020 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

Tgt Ion: 96 Resp: 2243622
 Ion Ratio Lower Upper
 96 100
 61 146.1 131.2 196.8
 98 64.6 50.7 76.1





#13

Acrolein

Concen: 840.698 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

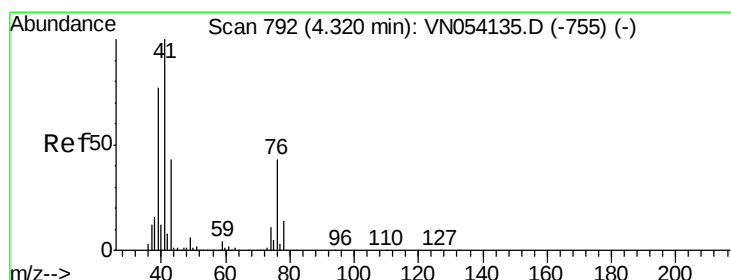
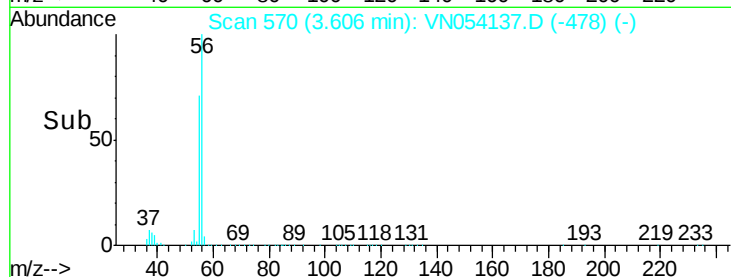
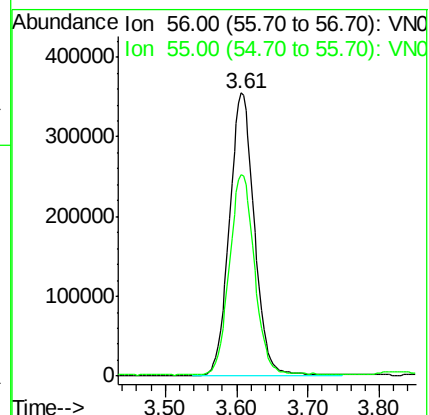
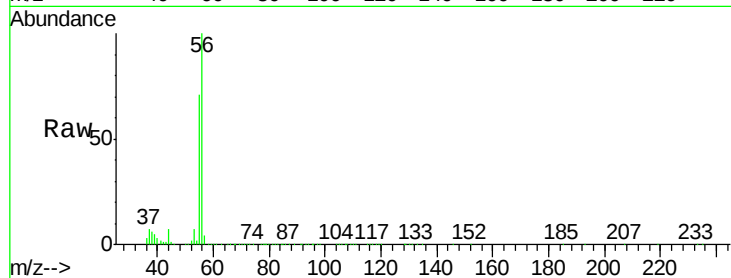
VSTDIC150

Tot Ion: 56 Resp: 857638

Ion Ratio Lower Upper

56 100

55 71.6 57.1 85.7



#14

Allyl chloride

Concen: 137.335 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

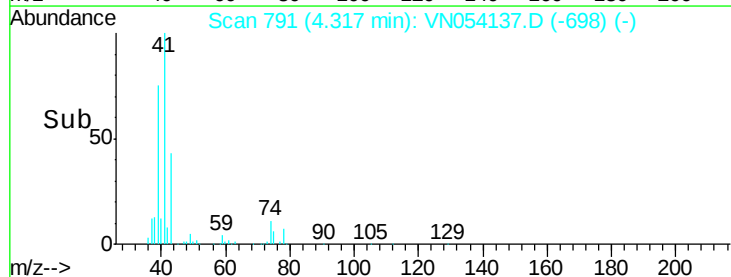
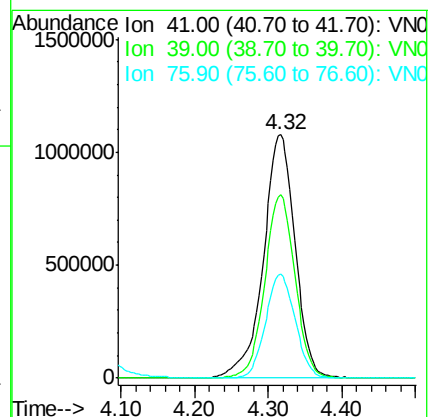
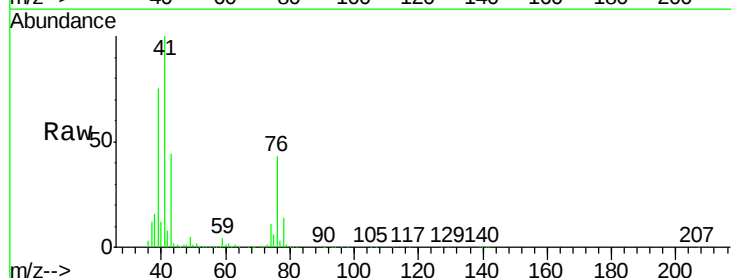
Tgt Ion: 41 Resp: 3212629

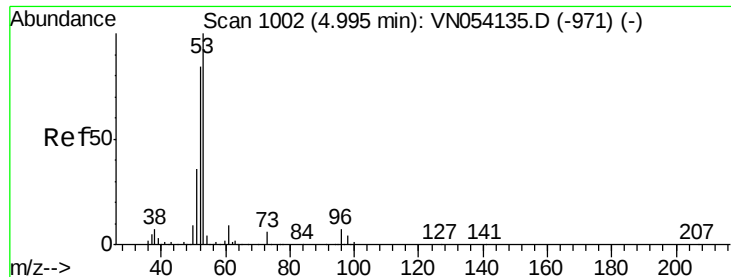
Ion Ratio Lower Upper

41 100

39 72.0 49.3 73.9

76 39.7 26.5 39.7





#15

Acrylonitrile

Concen: 755.534 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

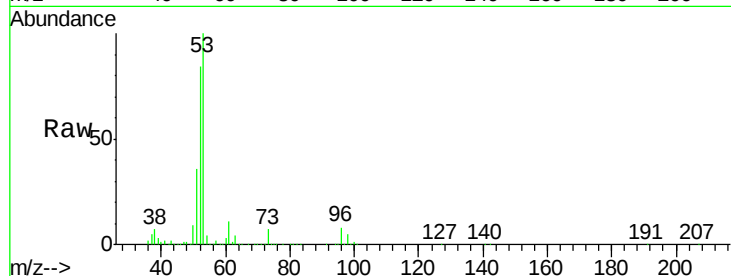
Tot Ion: 53 Resp: 3838738

Ion Ratio Lower Upper

53 100

52 83.0 64.6 97.0

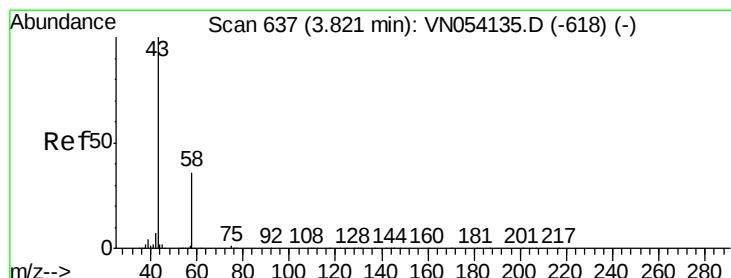
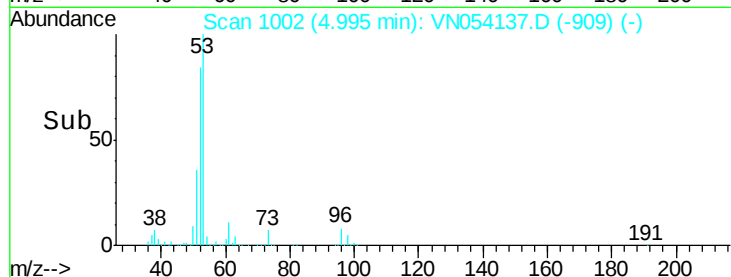
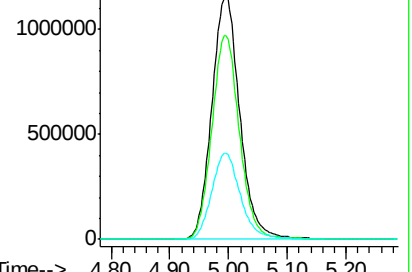
51 36.7 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN054137.D (-971) (-)

Ion 52.00 (51.70 to 52.70): VN054137.D (-971) (-)

Ion 51.00 (50.70 to 51.70): VN054137.D (-971) (-)



#16

Acetone

Concen: 732.486 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054137.D

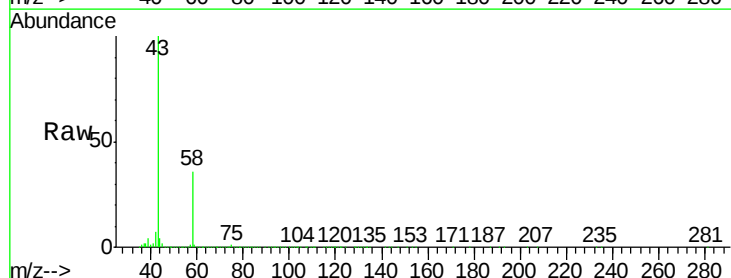
Acq: 11 Mar 2019 12:22

Tgt Ion: 43 Resp: 3312543

Ion Ratio Lower Upper

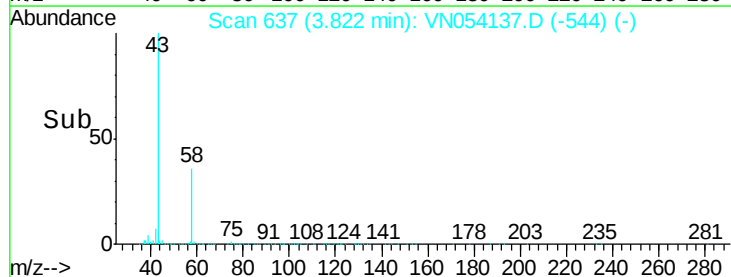
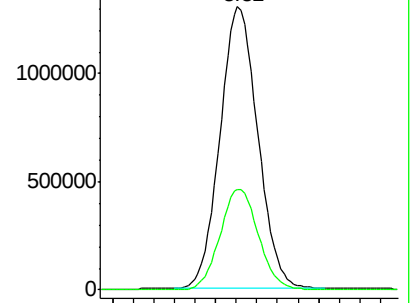
43 100

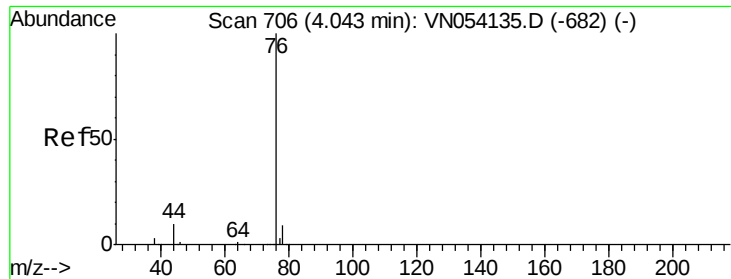
58 35.7 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN054137.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN054137.D (-544) (-)





#17

Carbon Disulfide

Concen: 142.763 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

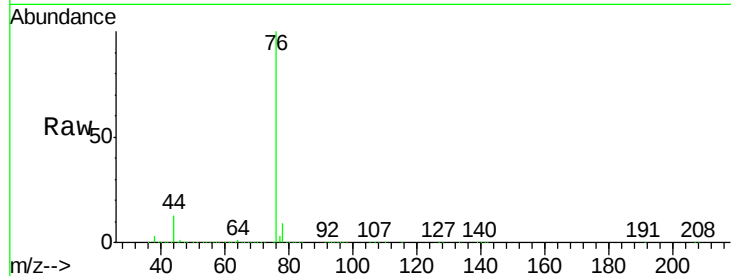
VSTDIC150

Tot Ion: 76 Resp: 5946567

Ion Ratio Lower Upper

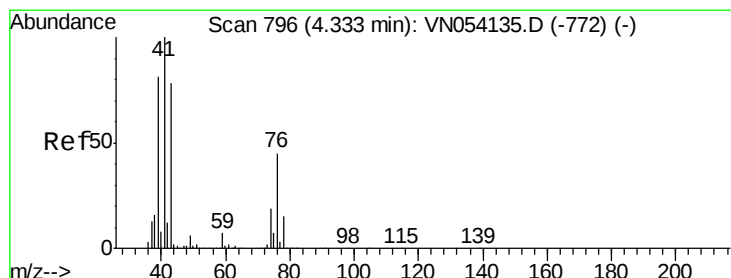
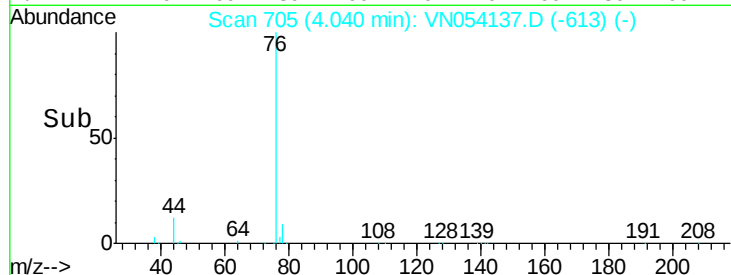
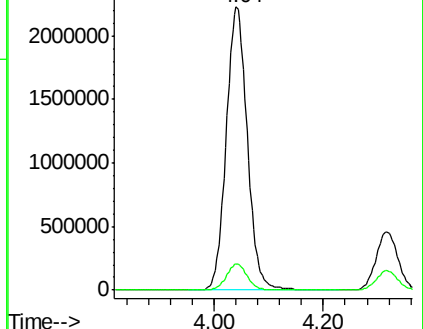
76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 146.195 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054137.D

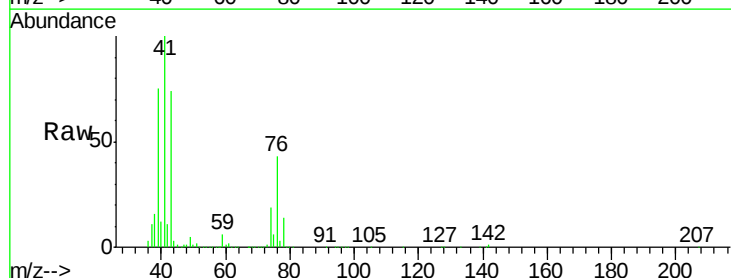
Acq: 11 Mar 2019 12:22

Tgt Ion: 43 Resp: 1711660

Ion Ratio Lower Upper

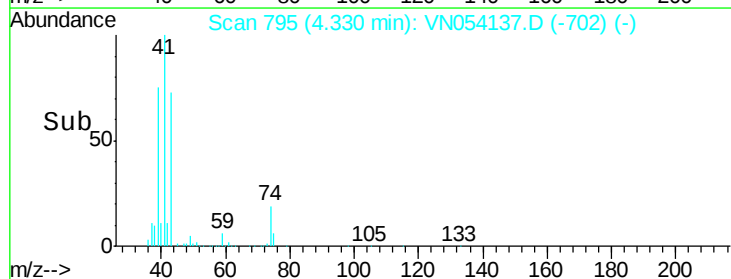
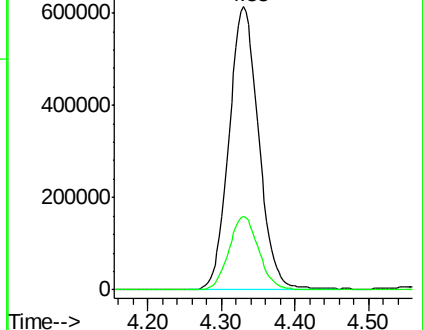
43 100

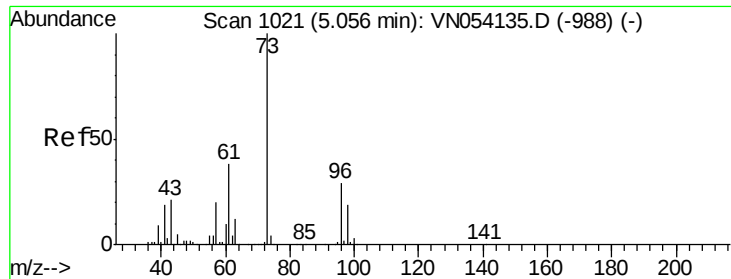
74 26.1 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

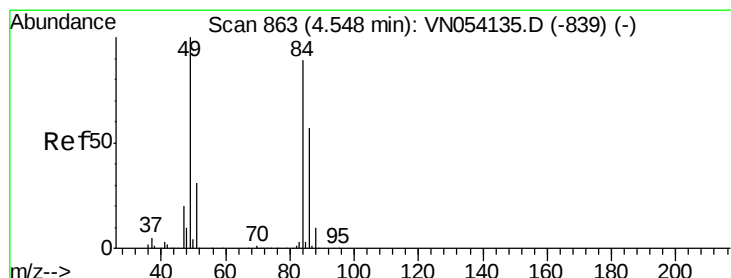
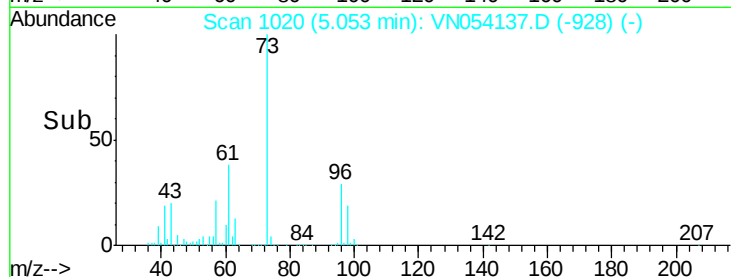
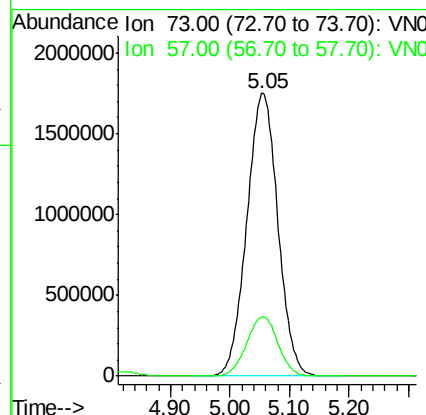
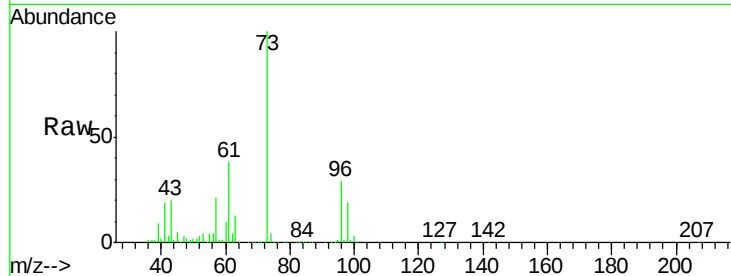




#19
Methvl tert-butvl Ether
Concen: 145.611 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

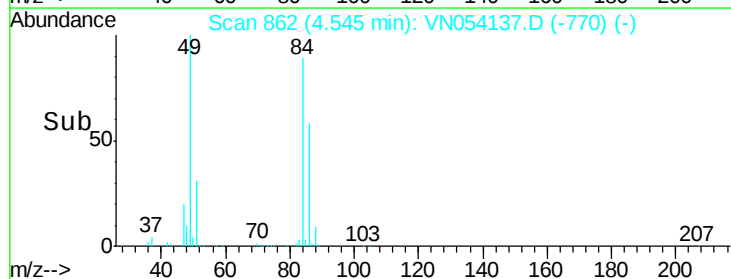
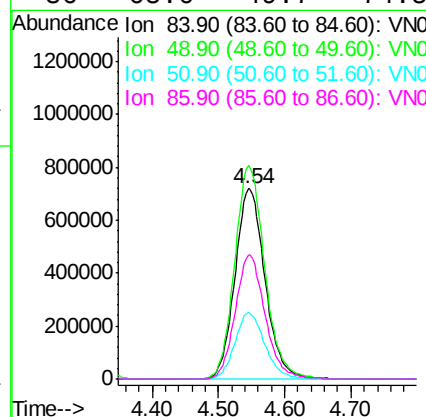
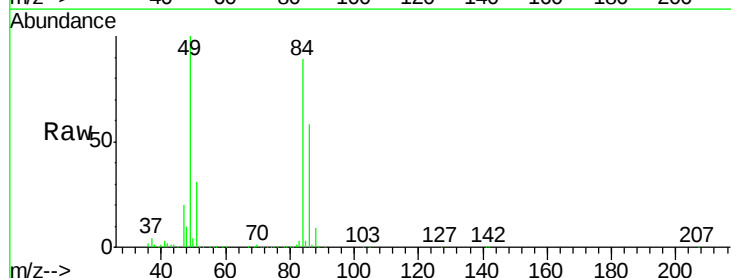
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

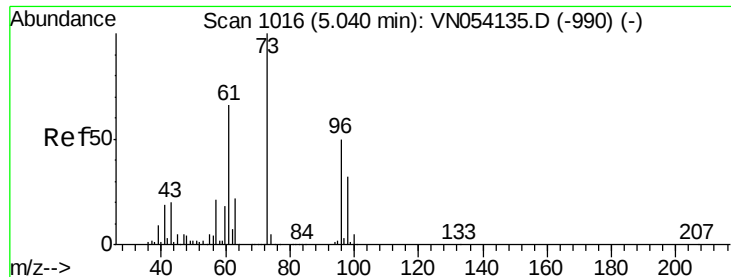
Tot Ion: 73 Resp: 6388932
Ion Ratio Lower Upper
73 100
57 21.0 18.2 27.4



#20
Methylene Chloride
Concen: 138.371 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 84 Resp: 2266678
Ion Ratio Lower Upper
84 100
49 112.2 101.8 152.8
51 34.7 31.1 46.7
86 65.0 49.7 74.5

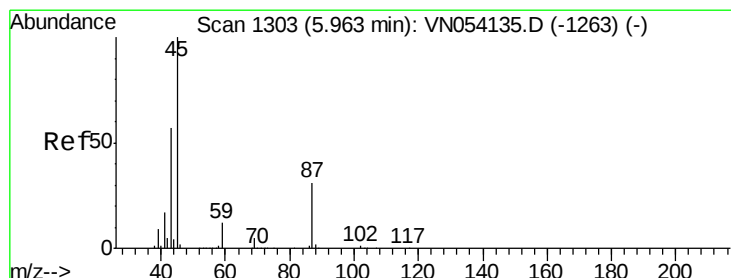
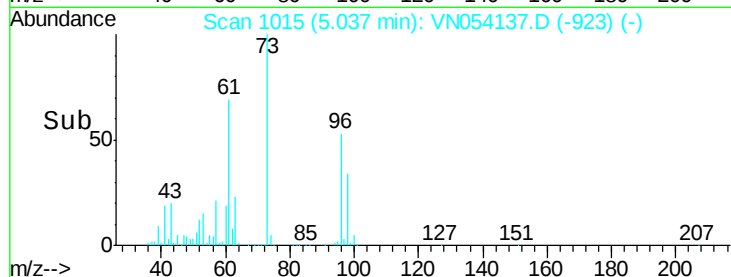
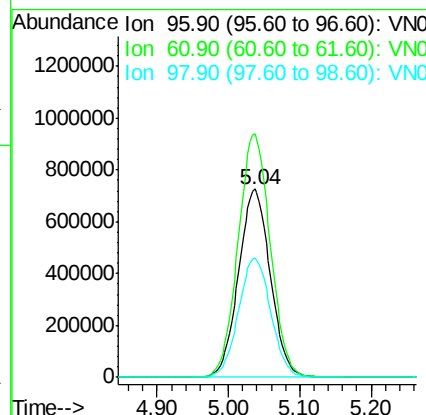
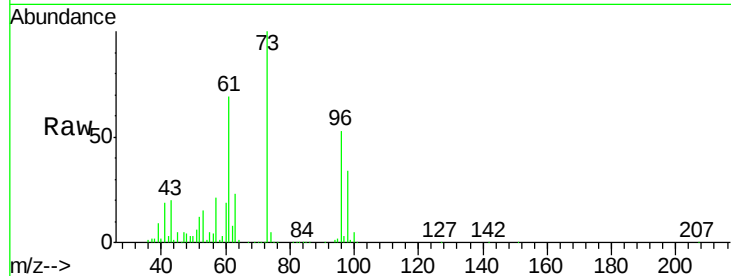




#21
trans-1,2-Dichloroethene
Concen: 142.268 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

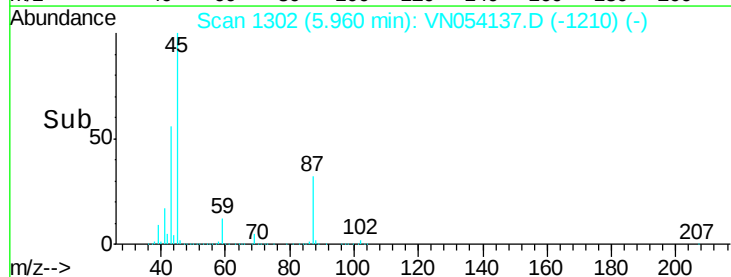
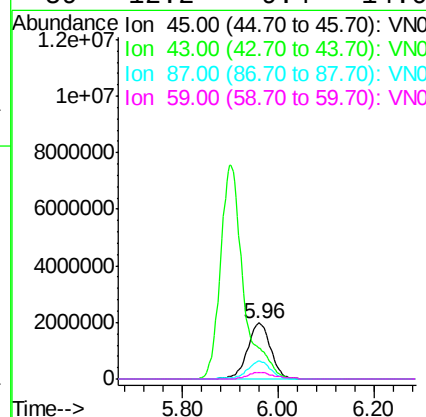
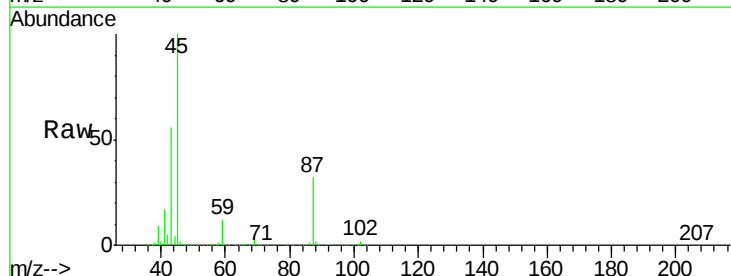
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

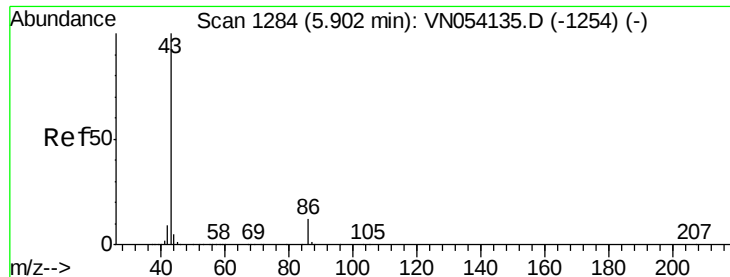
Tot Ion: 96 Resp: 2254742
Ion Ratio Lower Upper
96 100
61 129.2 114.8 172.2
98 63.1 51.4 77.0



#22
Diisopropyl ether
Concen: 155.106 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 45 Resp: 6701093
Ion Ratio Lower Upper
45 100
43 56.2 46.2 69.4
87 31.8 20.6 31.0#
59 12.2 9.4 14.0

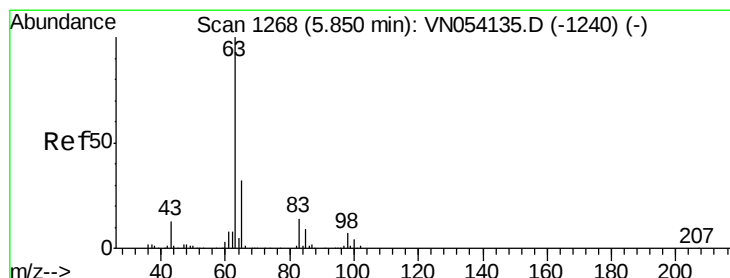
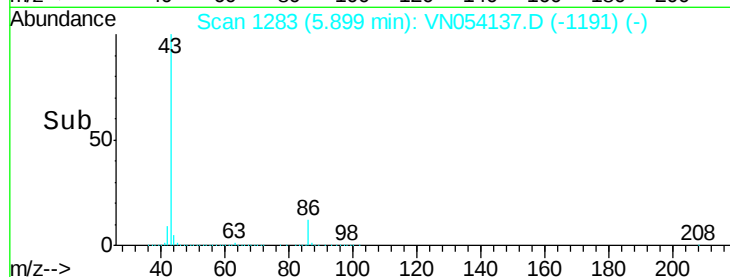
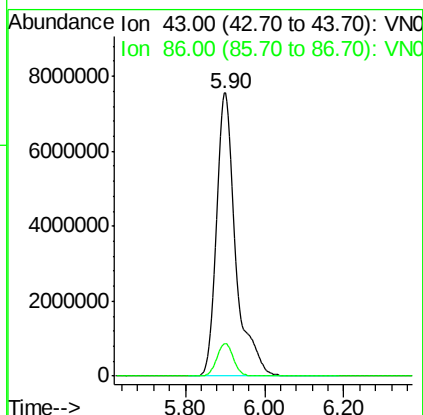
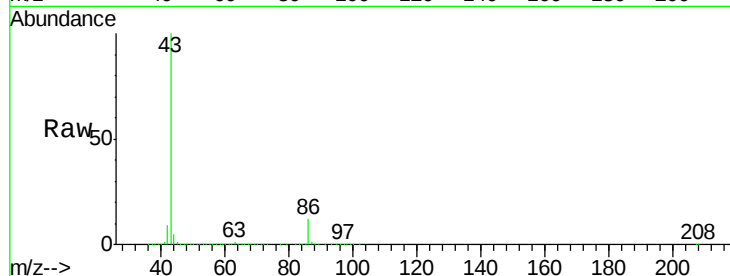




#23
 Vinyl Acetate
 Concen: 774.520 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

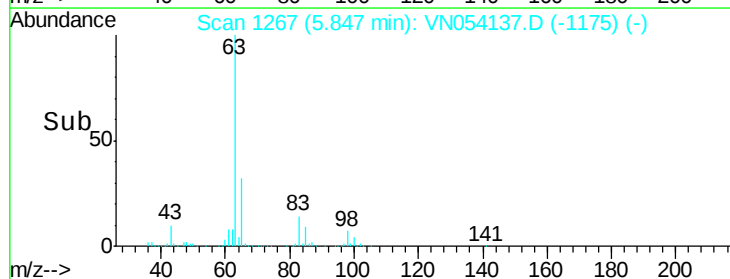
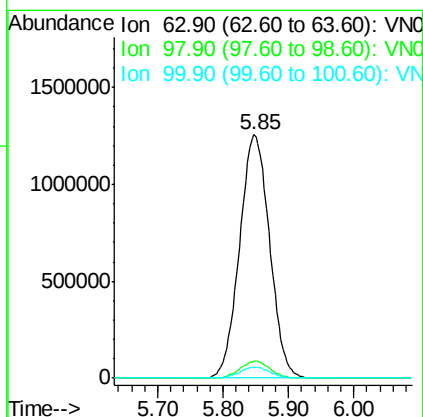
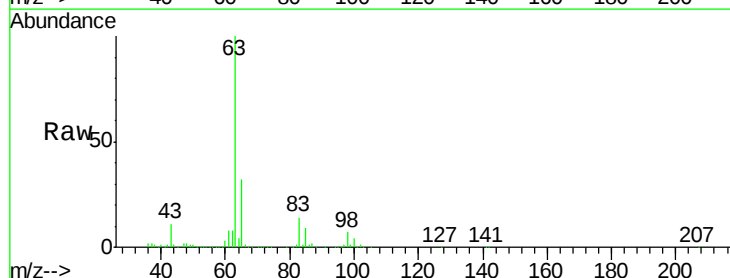
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

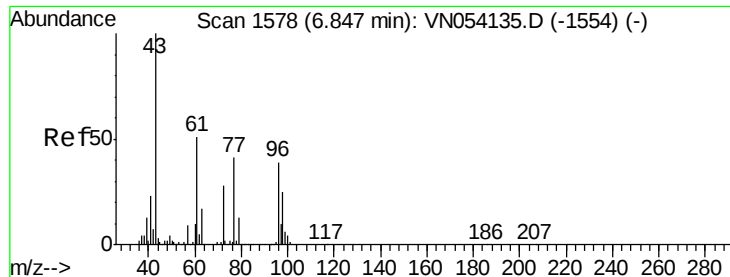
Tot Ion: 43 Resp: 25265865
 Ion Ratio Lower Upper
 43 100
 86 11.6 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 143.169 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

Tgt Ion: 63 Resp: 4009809
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.1 9.4
 100 4.5 2.0 6.0

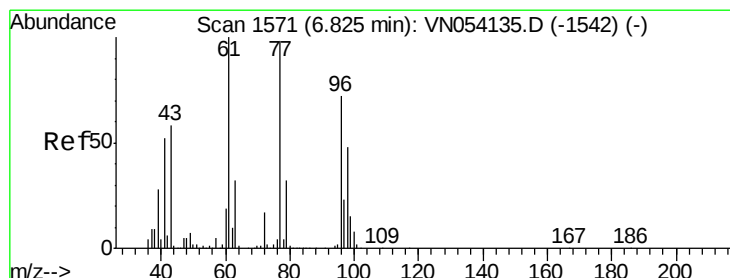
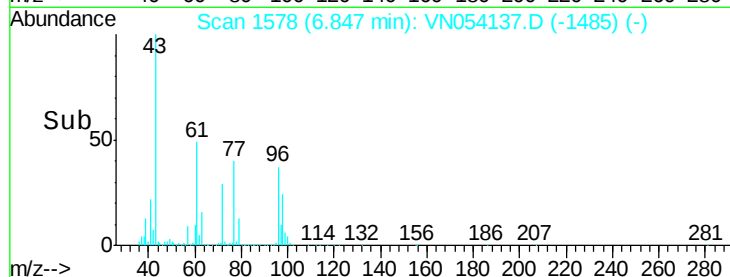
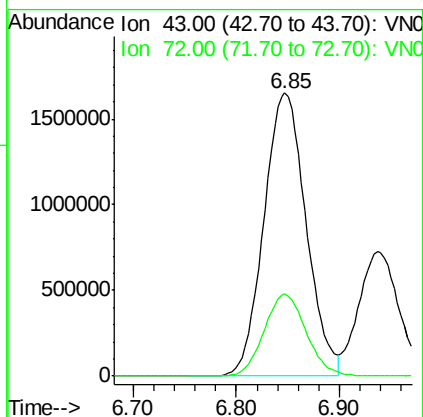
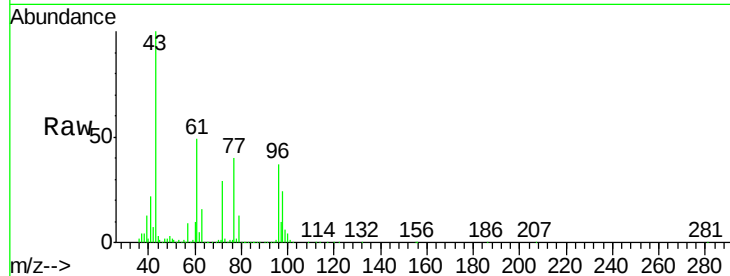




#25
2-Butanone
Concen: 770.781 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

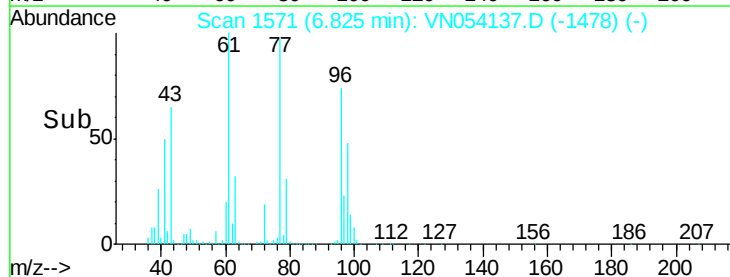
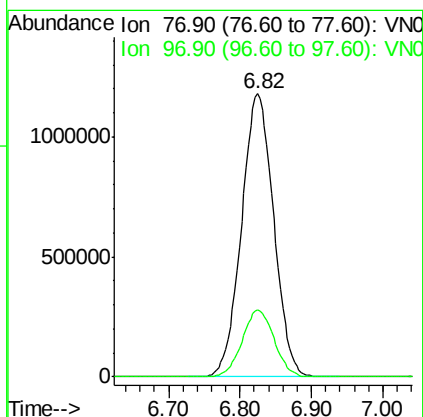
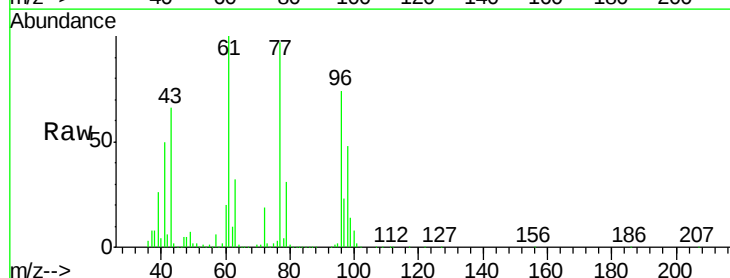
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

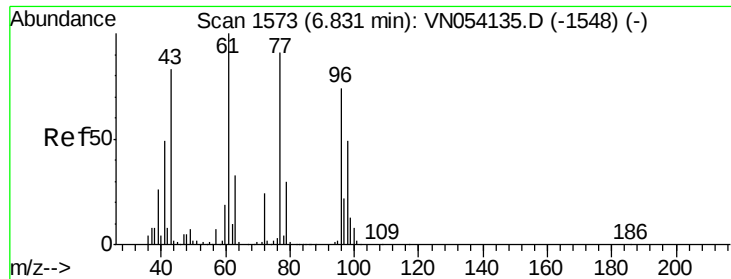
Tot Ion: 43 Resp: 4683401
Ion Ratio Lower Upper
43 100
72 28.9 20.2 30.2



#26
2,2-Dichloropropane
Concen: 142.992 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 77 Resp: 3698397
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 147.139 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

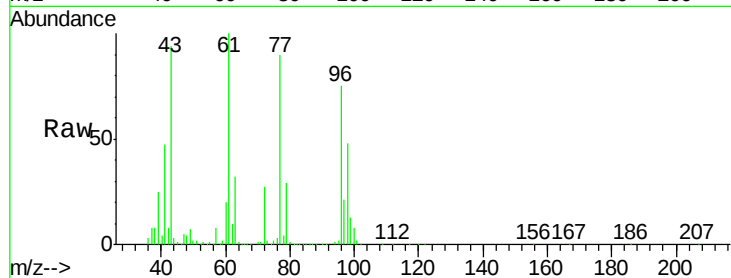
Tot Ion: 96 Resp: 2667423

Ion Ratio Lower Upper

96 100

61 136.6 0.0 297.0

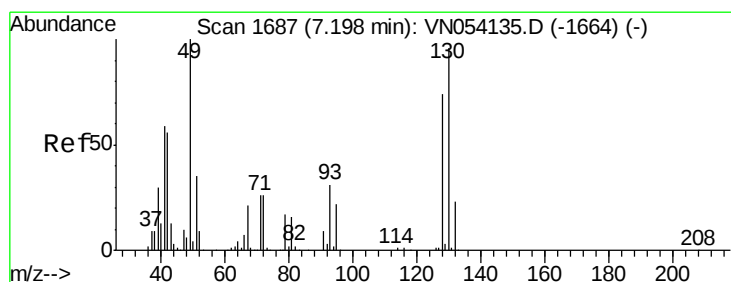
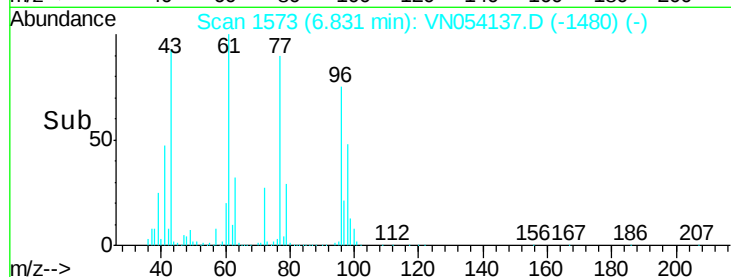
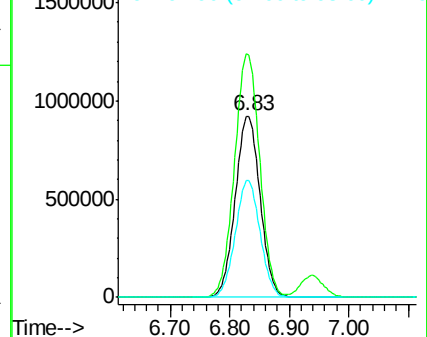
98 64.4 0.0 129.4



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



#28

Bromochloromethane

Concen: 149.982 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

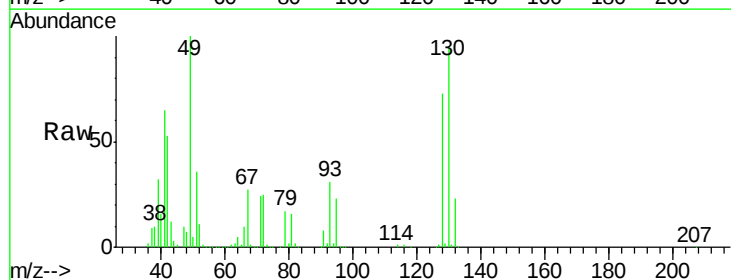
Tgt Ion: 49 Resp: 1826798

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.8

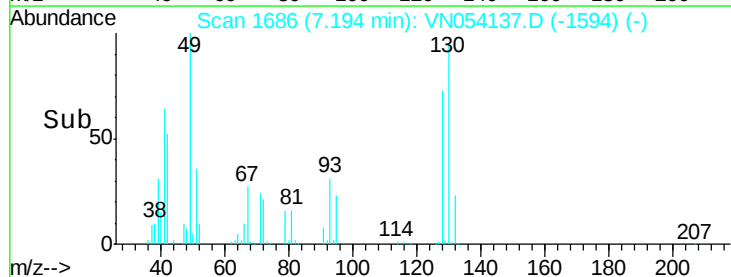
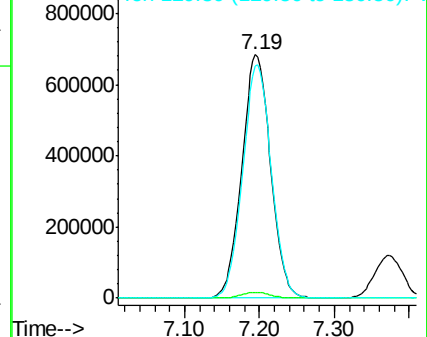
130 95.5 59.4 89.2#

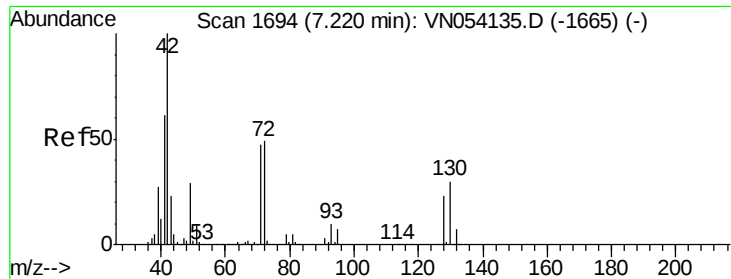


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

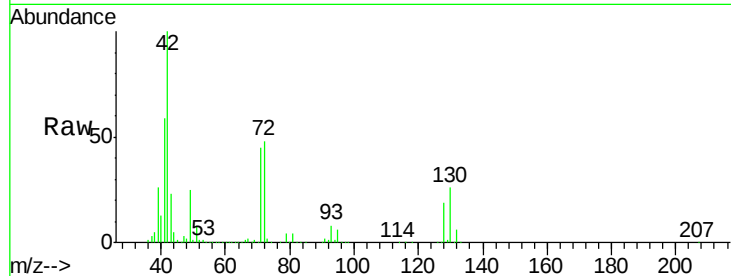




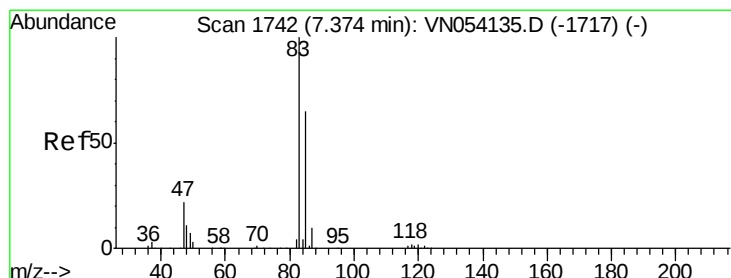
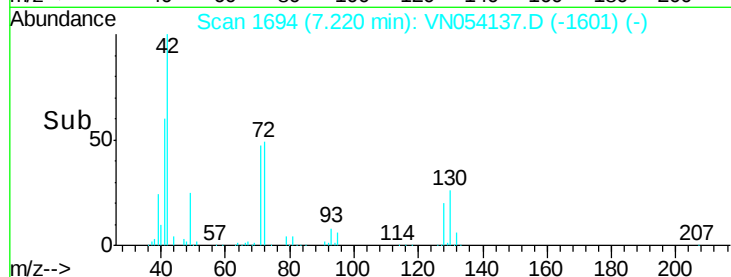
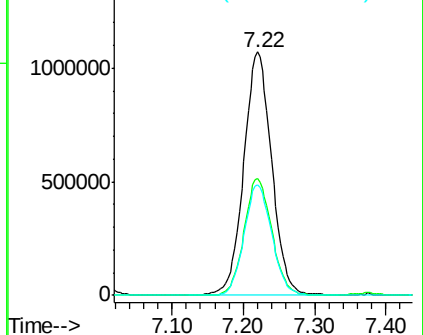
#29
Tetrahydrofuran
Concen: 744.027 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 42 Resp: 2904655
Ion Ratio Lower Upper
42 100
72 47.7 32.8 49.2
71 45.3 30.5 45.7

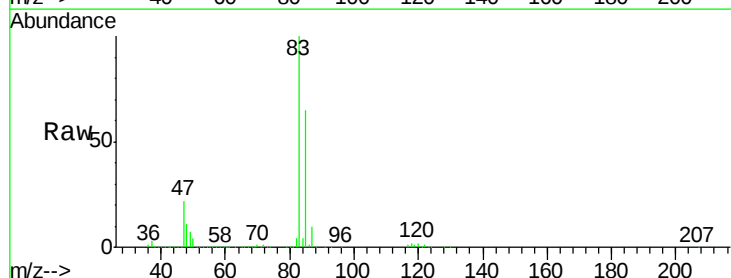


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

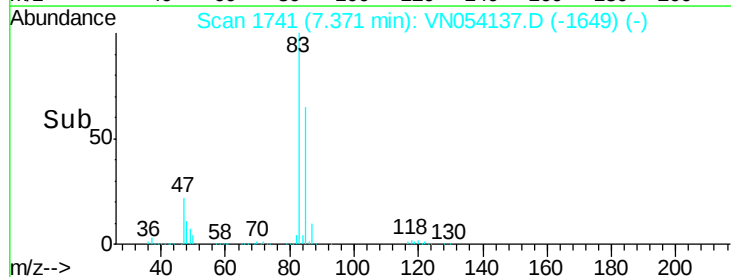
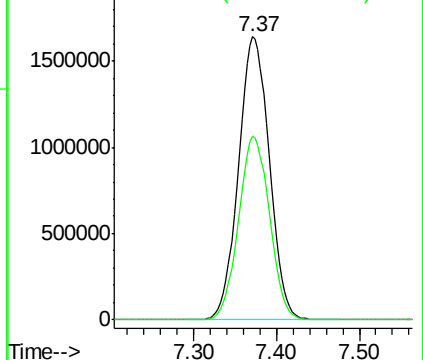


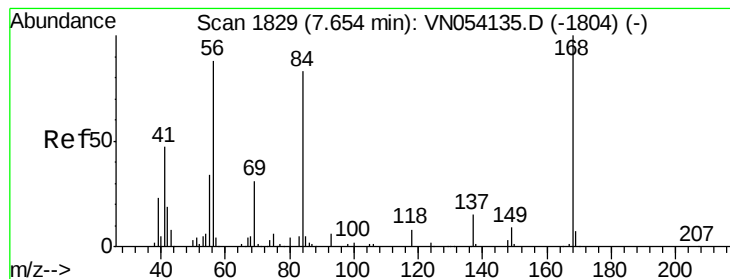
#30
Chloroform
Concen: 143.048 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 83 Resp: 4242606
Ion Ratio Lower Upper
83 100
85 64.7 53.1 79.7



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





#31

Cyclohexane

Concen: 150.782 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

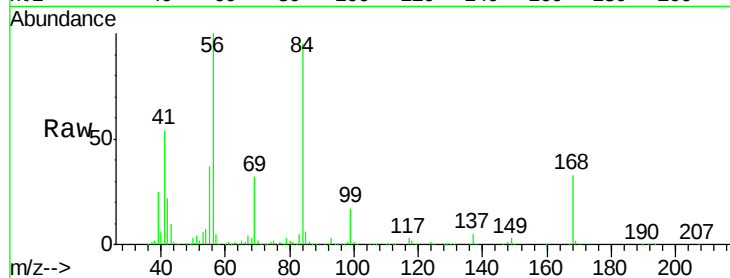
Tot Ion: 56 Resp: 3501606

Ion Ratio Lower Upper

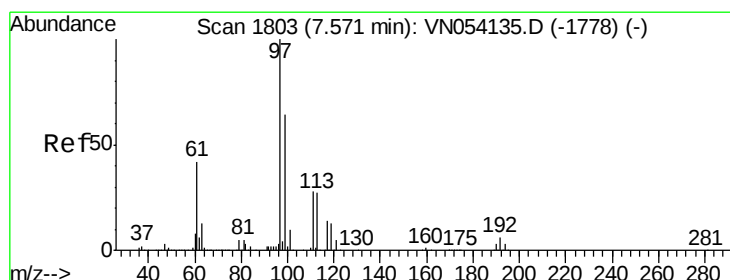
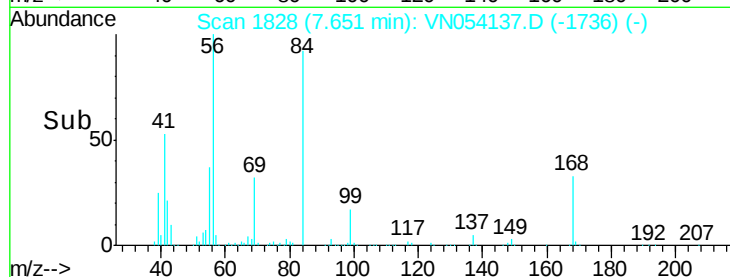
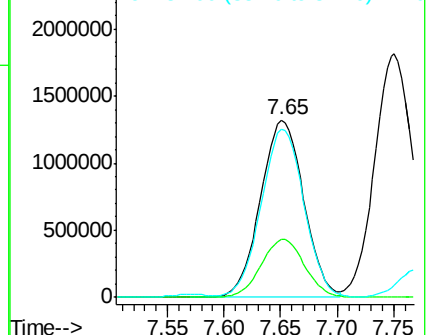
56 100

69 32.4 25.5 38.3

84 93.4 64.5 96.7



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



#32

1,1,1-Trichloroethane

Concen: 144.752 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

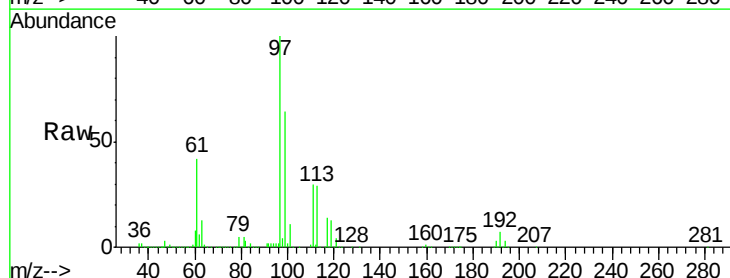
Tgt Ion: 97 Resp: 3886033

Ion Ratio Lower Upper

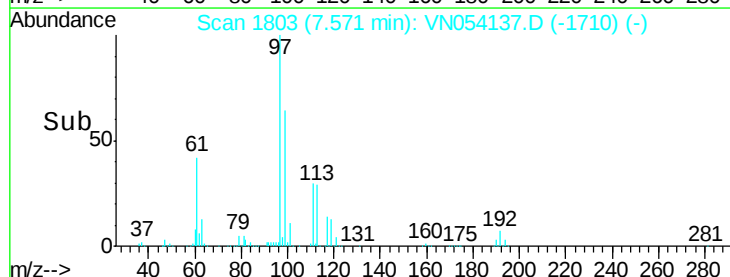
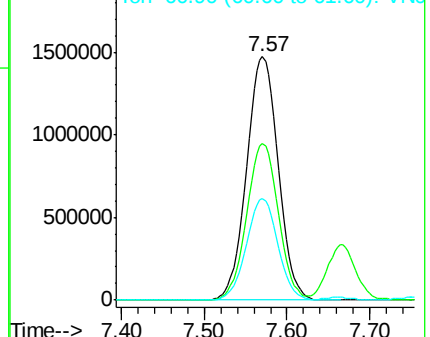
97 100

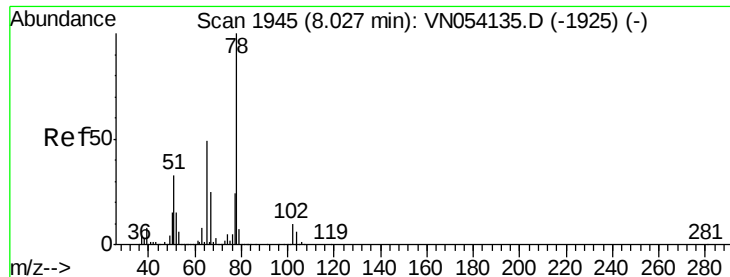
99 64.5 51.2 76.8

61 41.5 37.1 55.7



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





#33

1,2-Dichloroethane-d4

Concen: 147.191 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

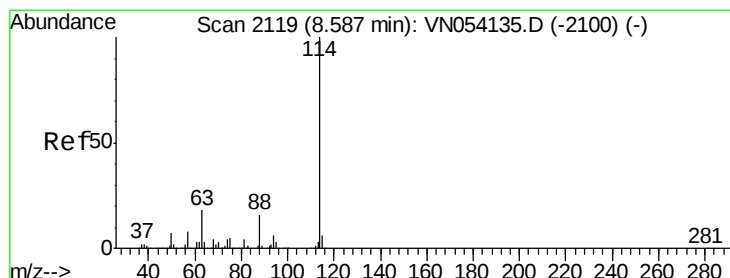
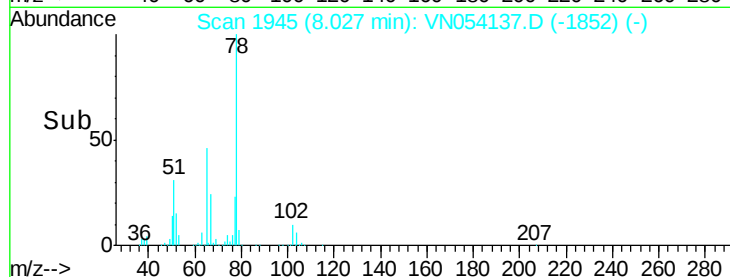
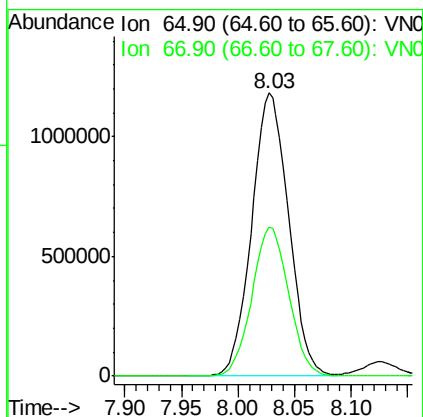
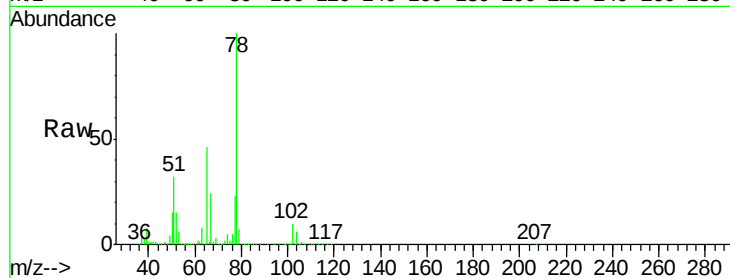
VSTDIC150

Tot Ion: 65 Resp: 2680952

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

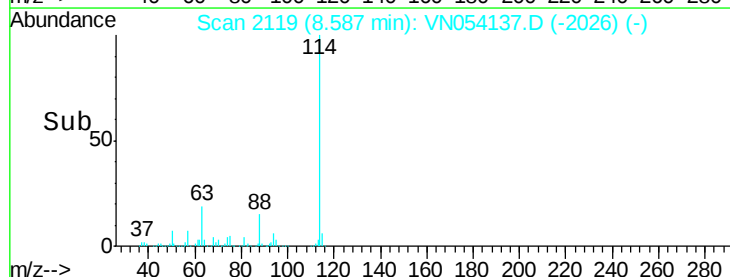
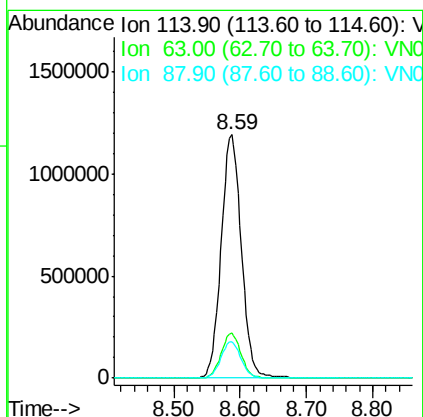
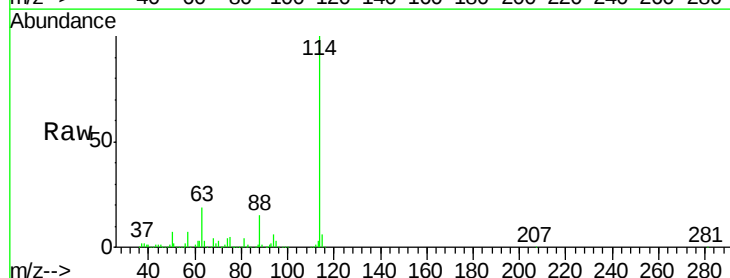
Tgt Ion: 114 Resp: 2518479

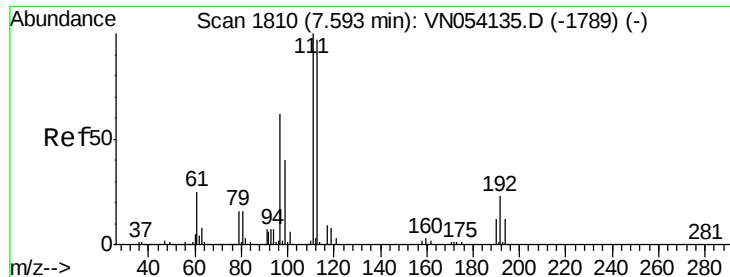
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.6

88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 150.260 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

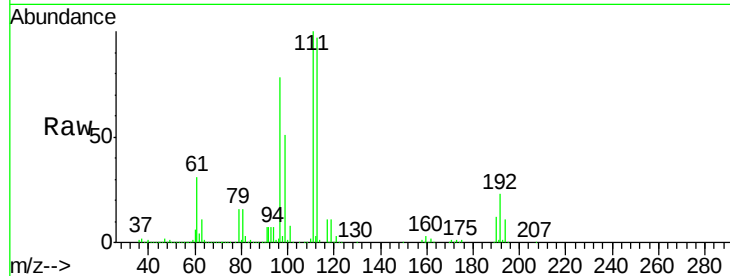
Tot Ion:113 Resp: 2441533

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

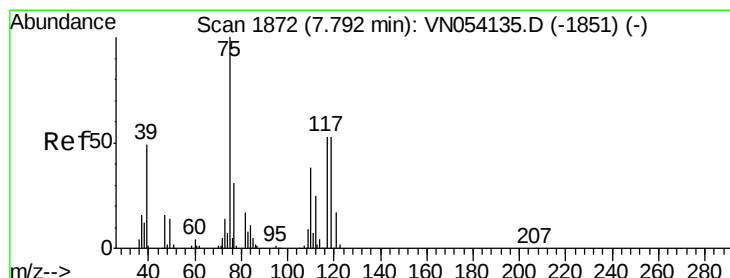
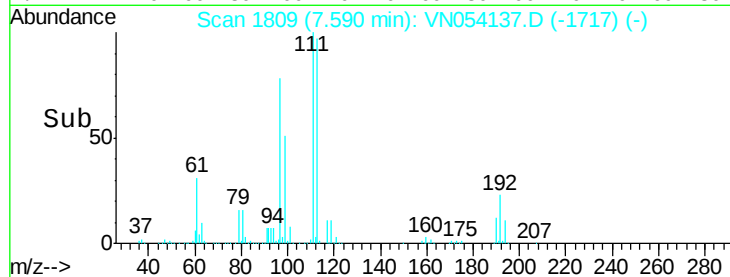
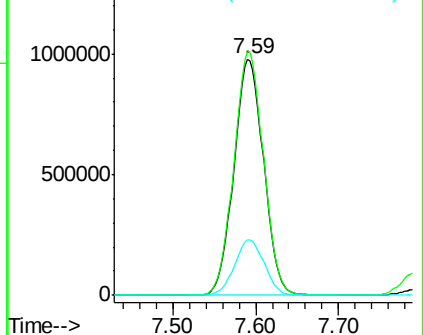
192 23.6 17.4 26.0



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: 147.581 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

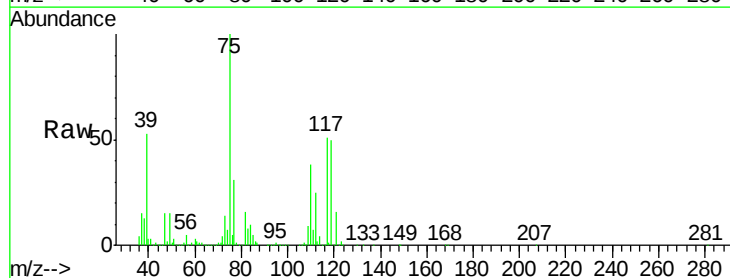
Tgt Ion: 75 Resp: 3234814

Ion Ratio Lower Upper

75 100

110 38.1 18.0 54.0

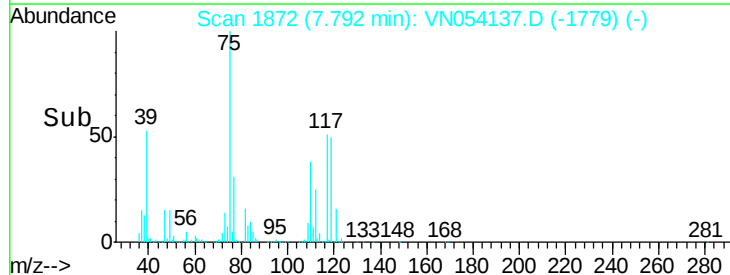
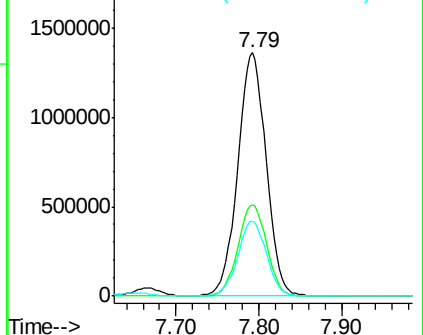
77 31.2 25.3 37.9

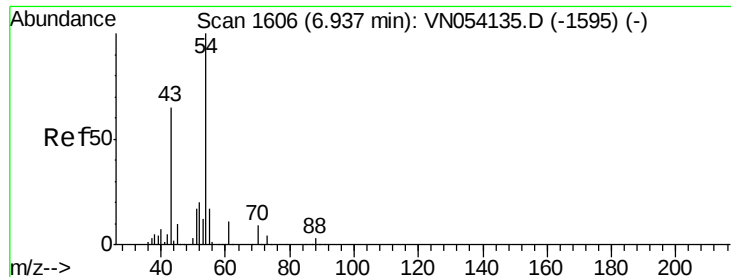


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

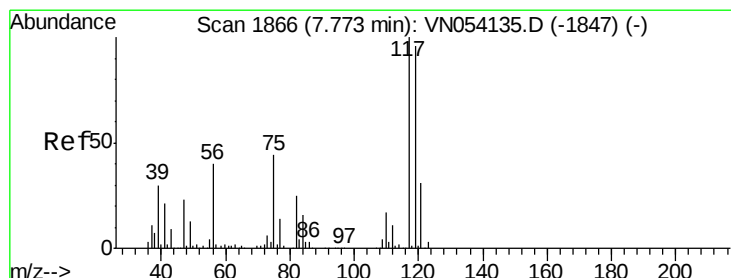
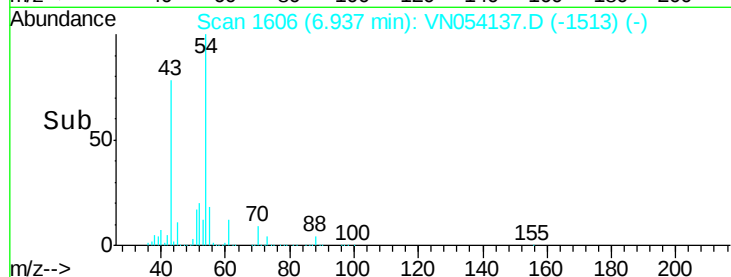
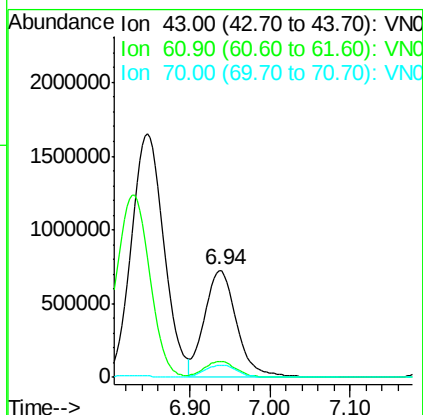
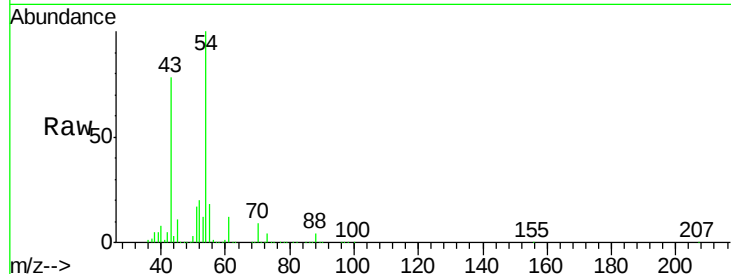




#37
Ethyl Acetate
Concen: 142.204 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

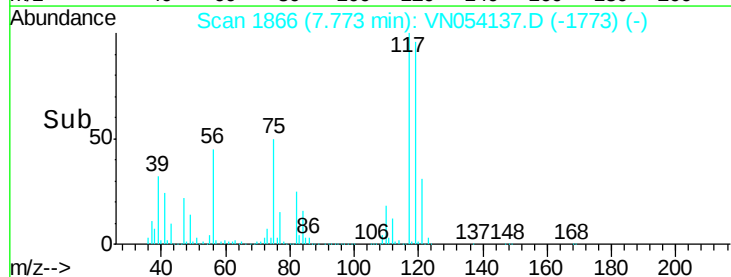
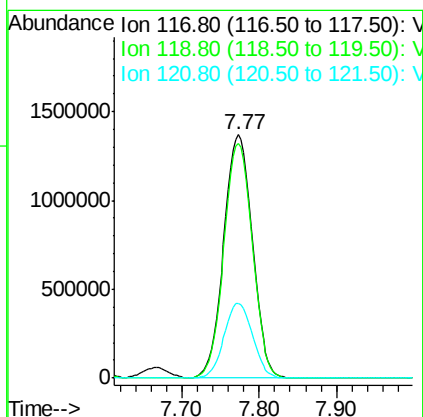
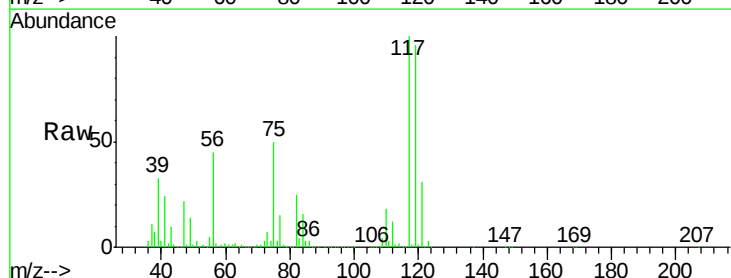
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

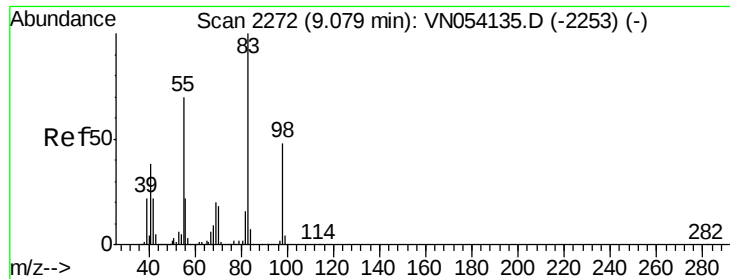
Tot Ion: 43 Resp: 2021259
Ion Ratio Lower Upper
43 100
61 14.9 11.1 16.7
70 11.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 144.538 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 117 Resp: 3512007
Ion Ratio Lower Upper
117 100
119 96.4 77.0 115.6
121 30.8 24.3 36.5

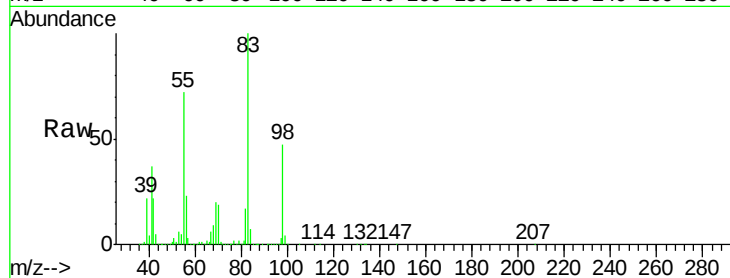




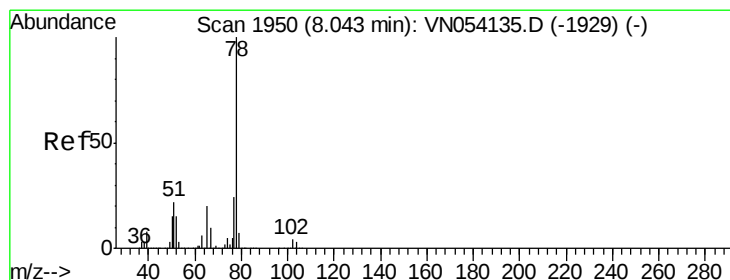
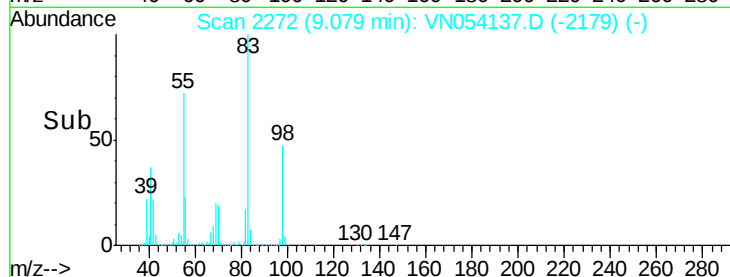
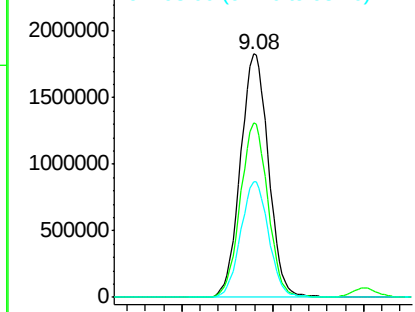
#39
Methvlcvclohexane
Concen: 145.275 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 3920276
Ion Ratio Lower Upper
83 100
55 71.7 62.1 93.1
98 47.2 36.0 54.0

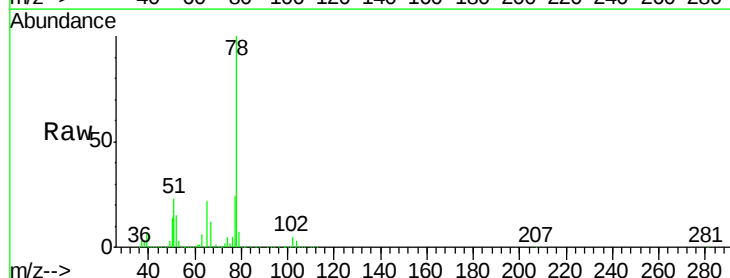


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

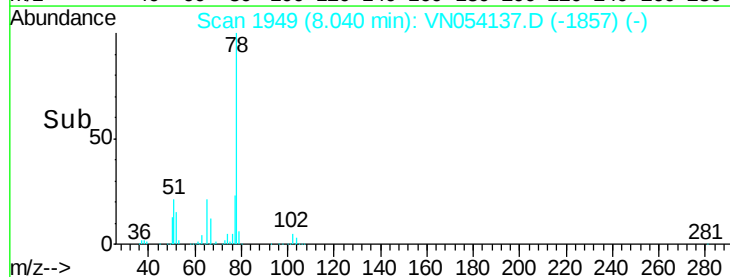
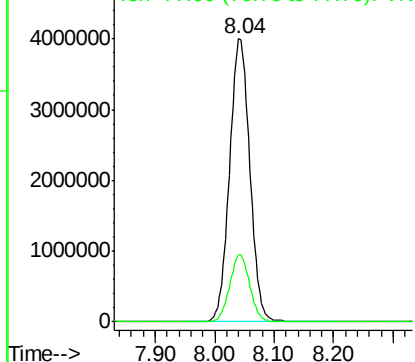


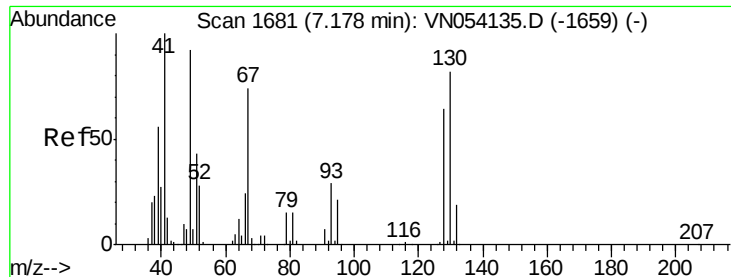
#40
Benzene
Concen: 149.507 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 78 Resp: 9416678
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1



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



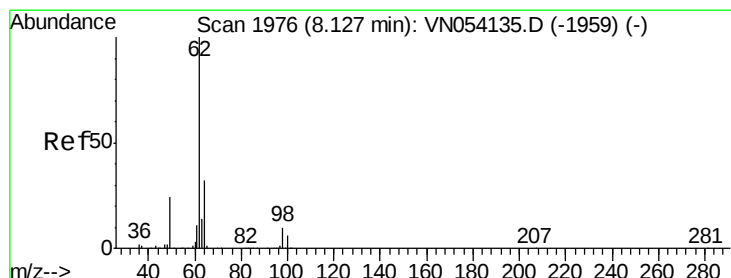
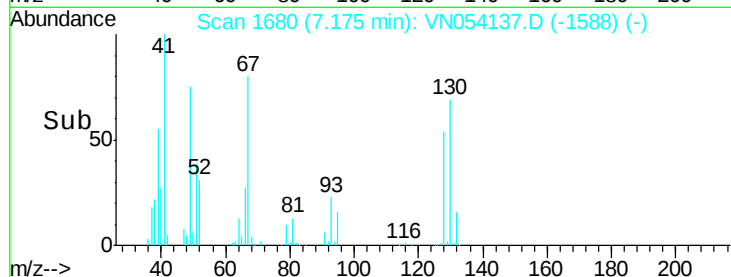
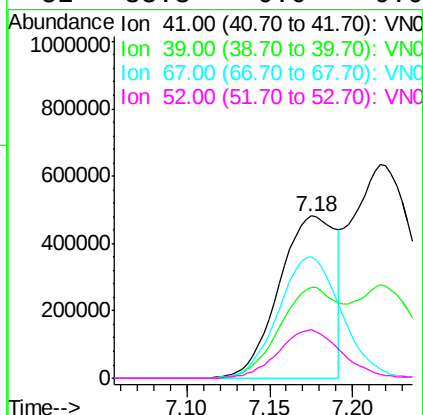
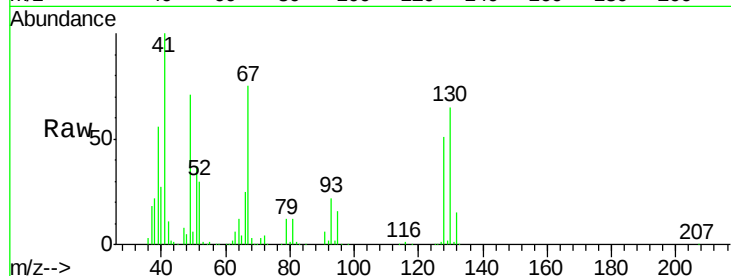


#41
Methacrylonitrile
Concen: 154.009 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 1139733

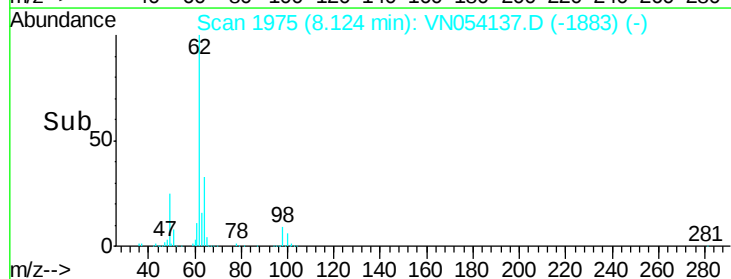
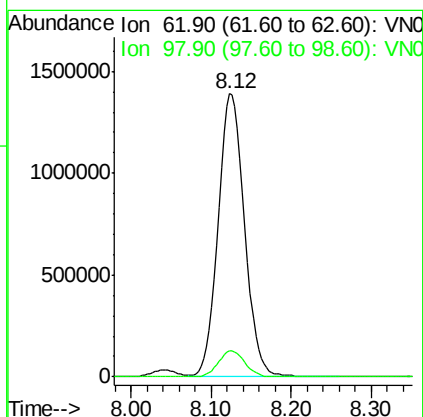
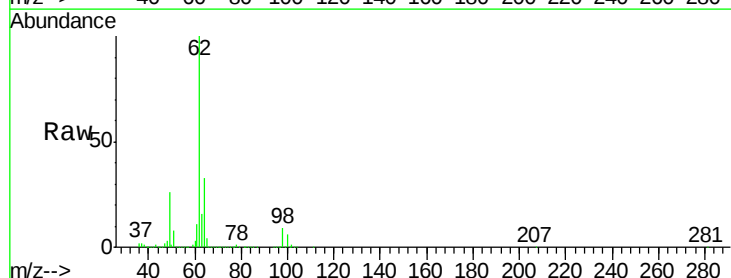
Ion	Ratio	Lower	Upper
41	100		
39	58.0	0.0	0.0#
67	84.3	0.0	0.0#
52	33.3	0.0	0.0#

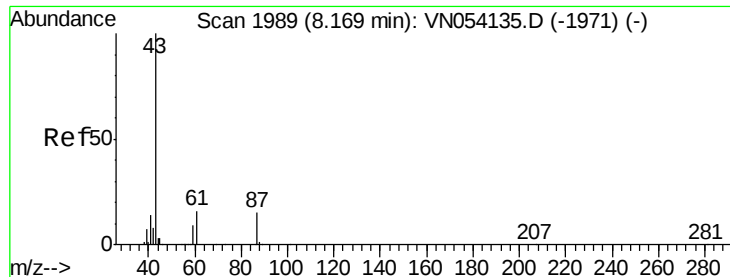


#42
1,2-Dichloroethane
Concen: 145.756 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 62 Resp: 3165098

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 159.469 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

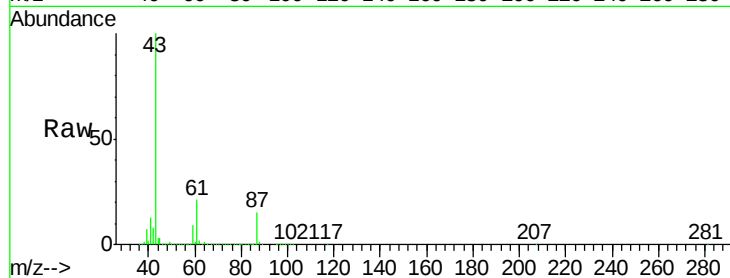
Tot Ion: 43 Resp: 3767880

Ion Ratio Lower Upper

43 100

61 20.8 22.5 33.7#

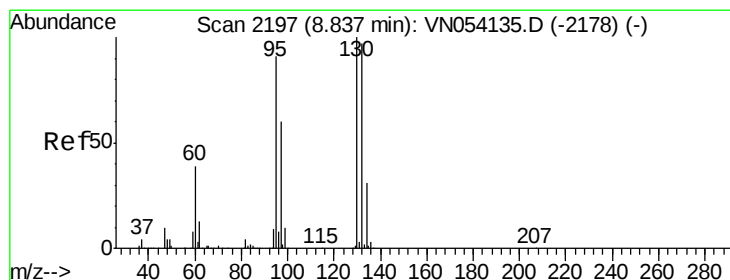
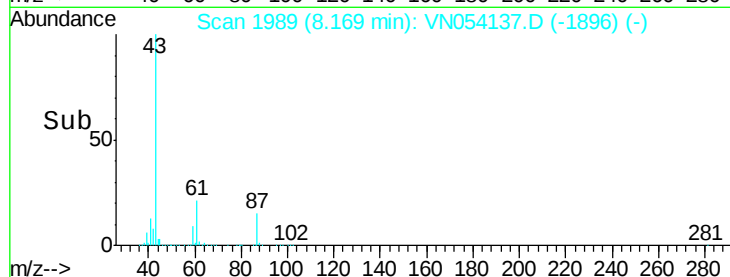
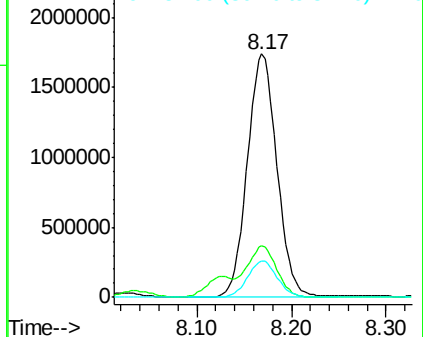
87 15.2 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VN054137.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054137.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054137.D (-1896) (-)



#44

Trichloroethene

Concen: 147.231 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054137.D

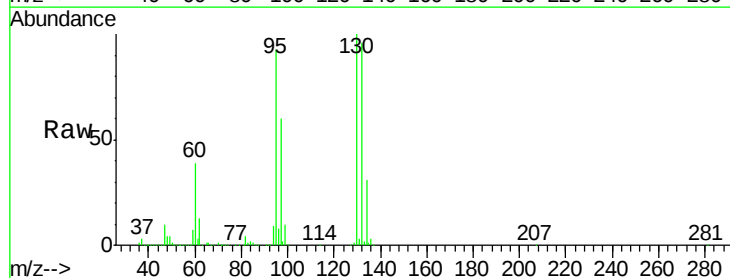
Acq: 11 Mar 2019 12:22

Tgt Ion:130 Resp: 2861834

Ion Ratio Lower Upper

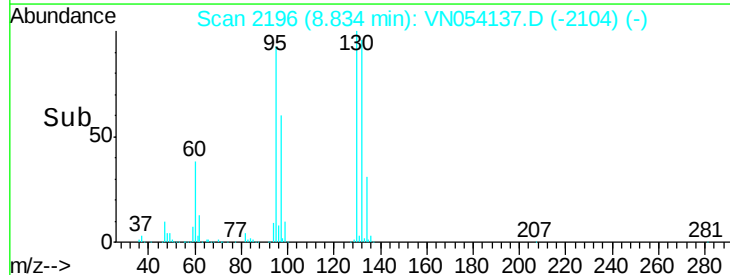
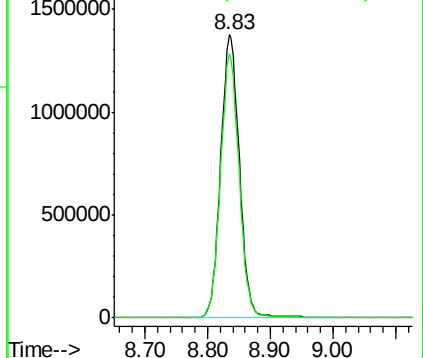
130 100

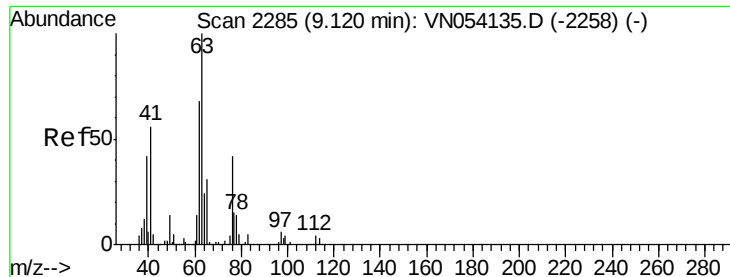
95 93.3 0.0 189.4



Abundance Ion 129.80 (129.50 to 130.50): VN054137.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN054137.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 149.118 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

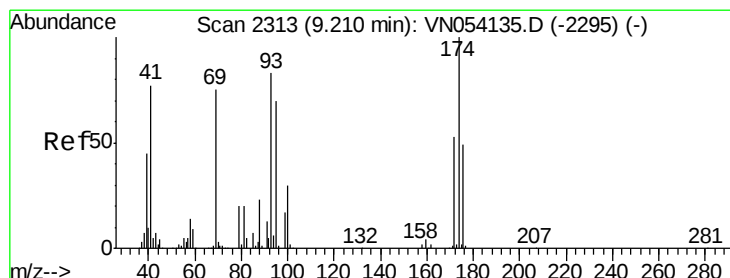
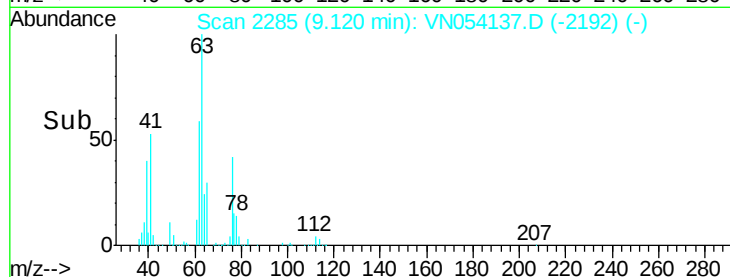
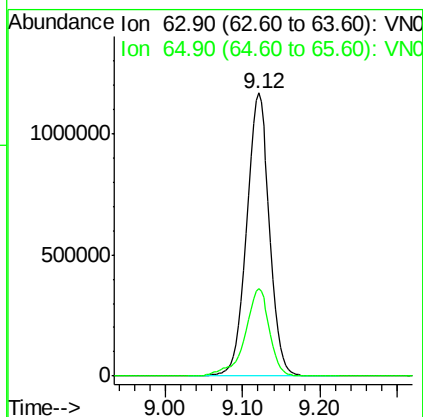
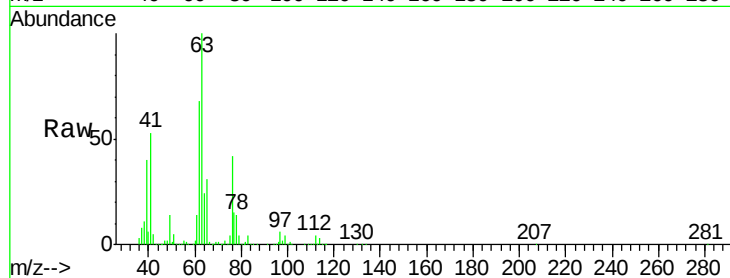
VSTDIC150

Tot Ion: 63 Resp: 2400027

Ion Ratio Lower Upper

63 100

65 30.8 24.6 36.8



#46

Dibromomethane

Concen: 146.154 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

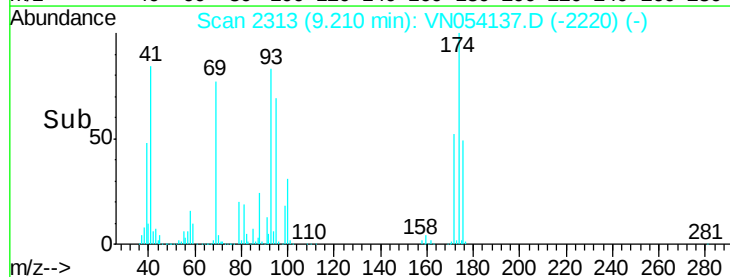
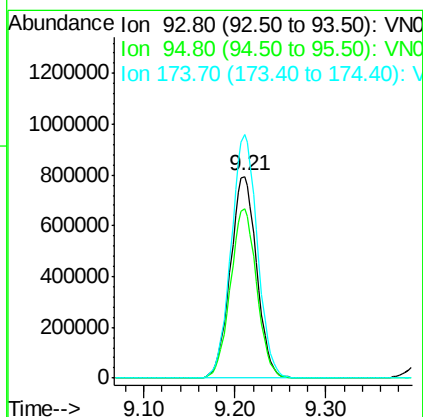
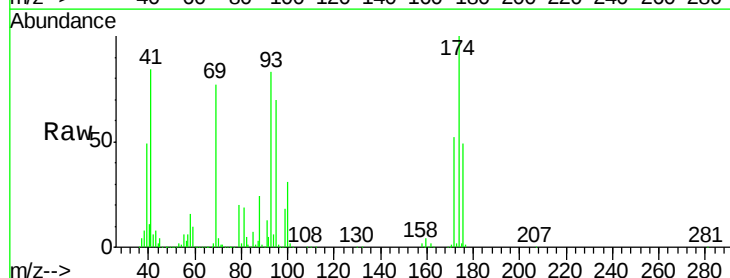
Tgt Ion: 93 Resp: 1595842

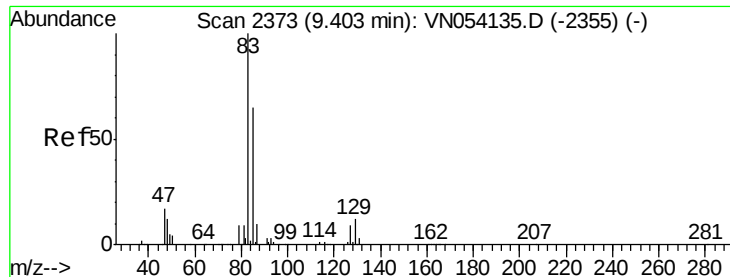
Ion Ratio Lower Upper

93 100

95 83.5 66.1 99.1

174 120.7 86.1 129.1





#47

Bromodichloromethane

Concen: 149.813 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

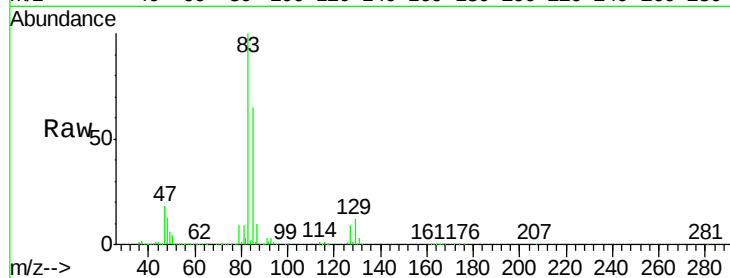
Tot Ion: 83 Resp: 3390808

Ion Ratio Lower Upper

83 100

85 64.6 51.0 76.4

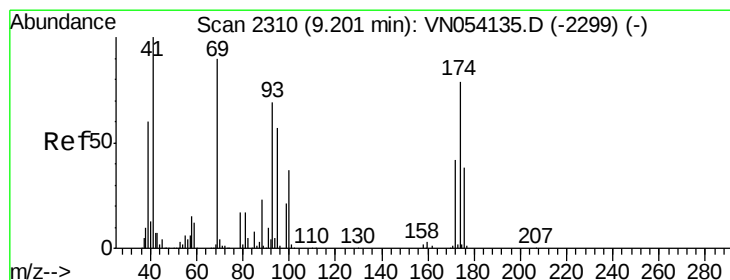
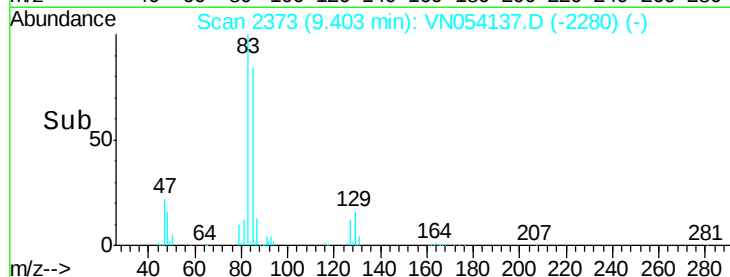
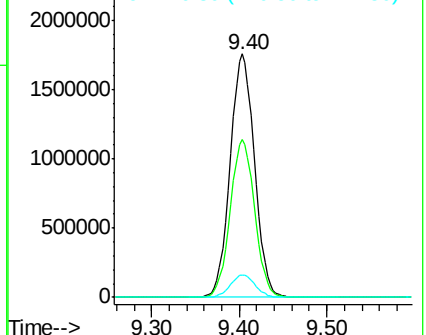
127 9.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN054137.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054137.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054137.D (-2280) (-)



#48

Methyl methacrylate

Concen: 153.153 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

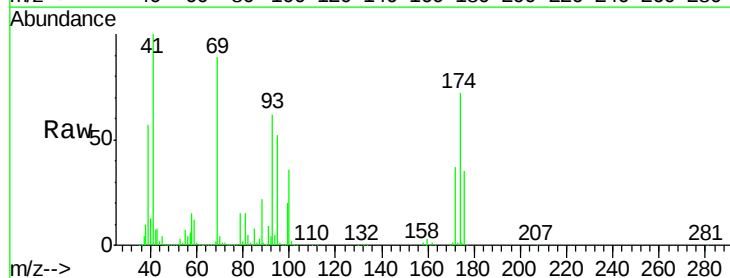
Tgt Ion: 41 Resp: 1945423

Ion Ratio Lower Upper

41 100

69 90.6 71.0 106.4

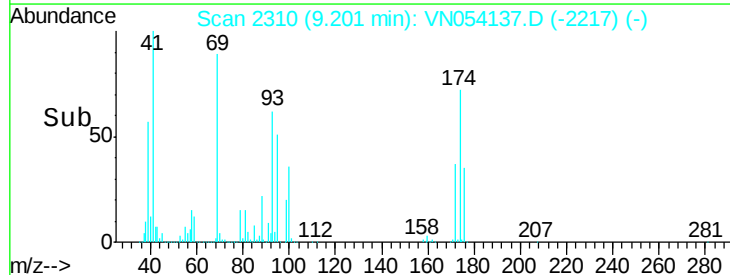
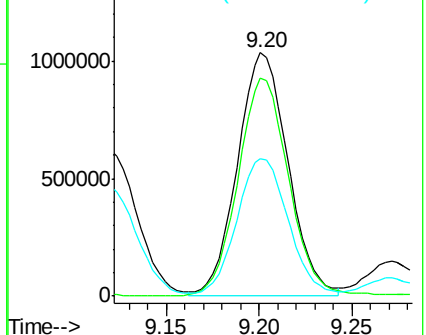
39 58.0 43.7 65.5

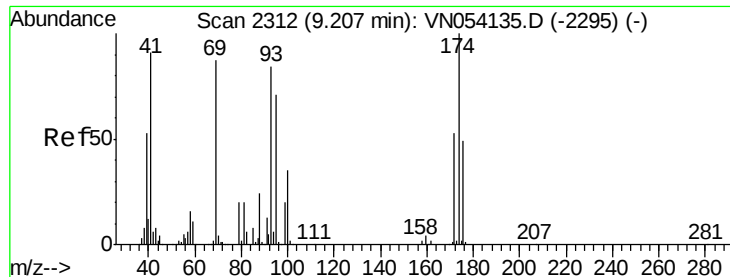


Abundance Ion 41.00 (40.70 to 41.70): VN054137.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054137.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054137.D (-2217) (-)





#49

1,4-Dioxane

Concen: 3047.615 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

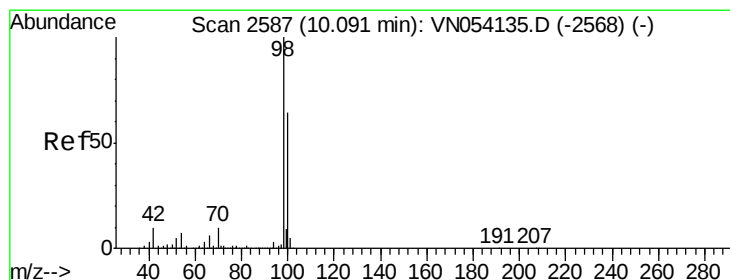
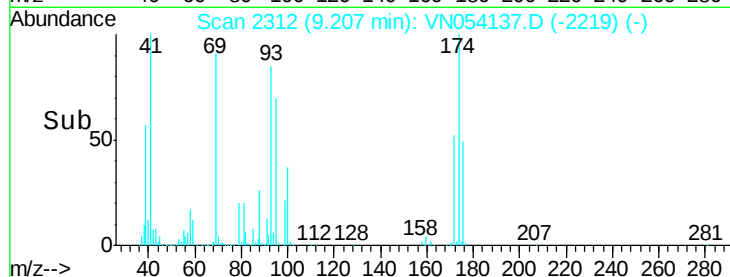
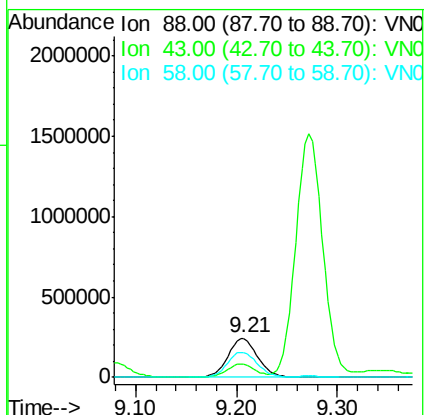
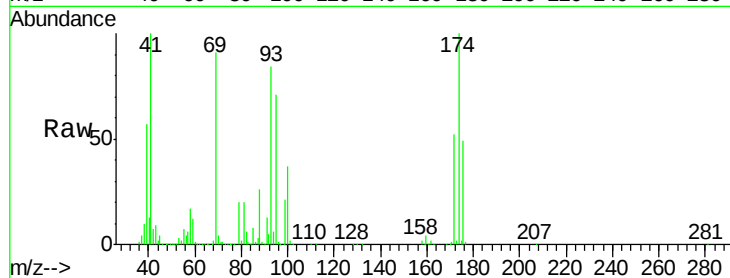
Tot Ion: 88 Resp: 502256

Ion Ratio Lower Upper

88 100

43 30.9 25.5 38.3

58 64.3 58.3 87.5



#50

Toluene-d8

Concen: 155.506 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054137.D

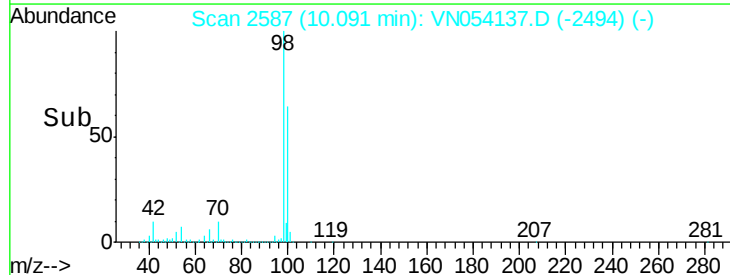
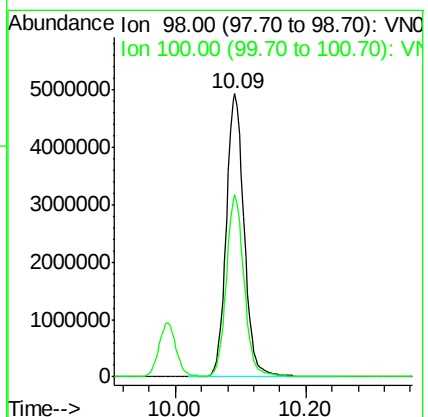
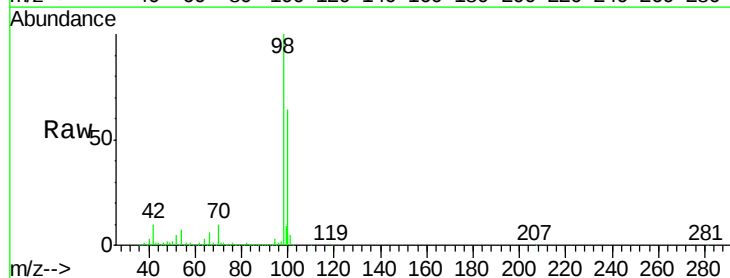
Acq: 11 Mar 2019 12:22

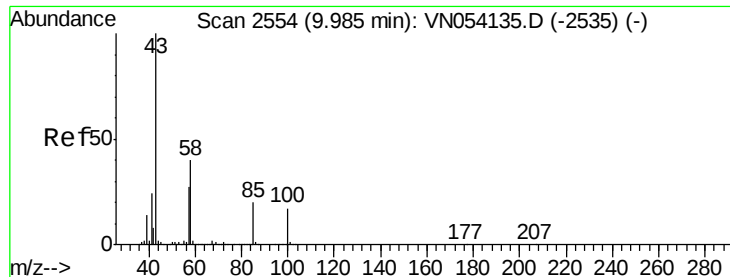
Tgt Ion: 98 Resp: 9308586

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 792.946 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

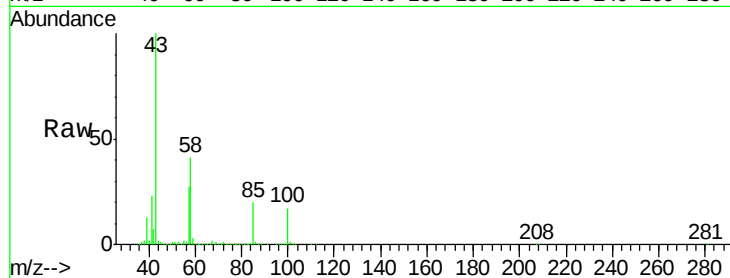
VSTDIC150

Tot Ion: 43 Resp:10049135

Ion Ratio Lower Upper

43 100

58 40.9 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN054135.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN054135.D (-2535) (-)

6000000

5000000

4000000

3000000

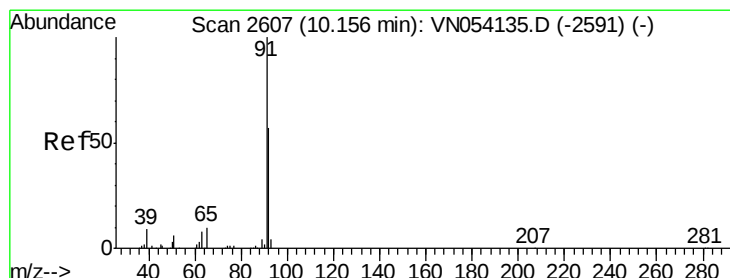
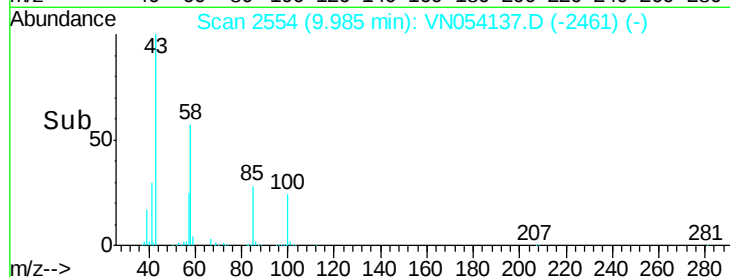
2000000

1000000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 152.622 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054137.D

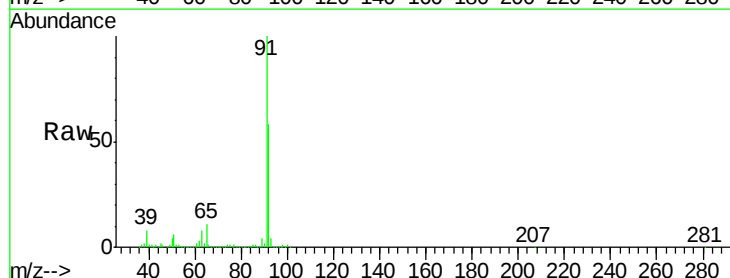
Acq: 11 Mar 2019 12:22

Tgt Ion: 92 Resp: 6154885

Ion Ratio Lower Upper

92 100

91 174.1 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN054135.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN054135.D (-2591) (-)

6000000

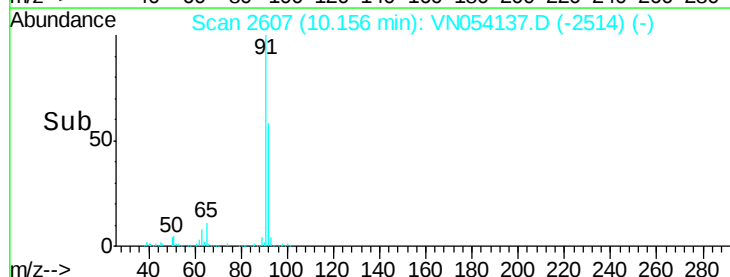
4000000

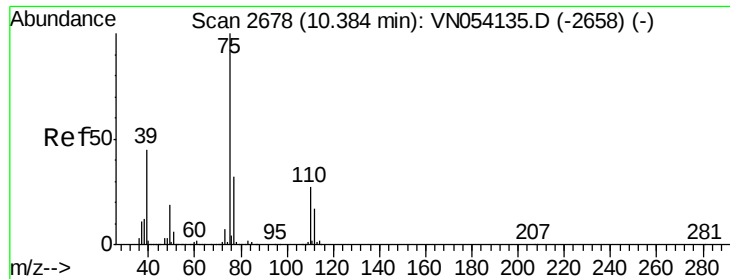
2000000

0

10.00 10.10 10.16 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 165.014 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

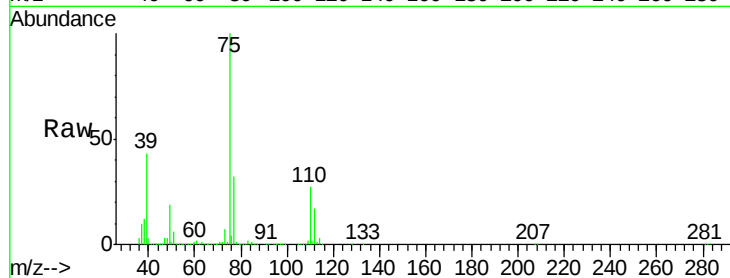
VSTDIC150

Tot Ion: 75 Resp: 3802966

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

2500000

2000000

1500000

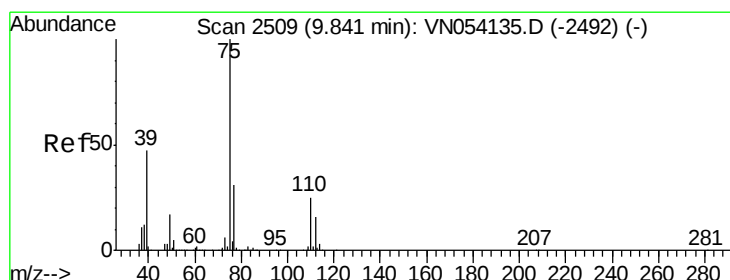
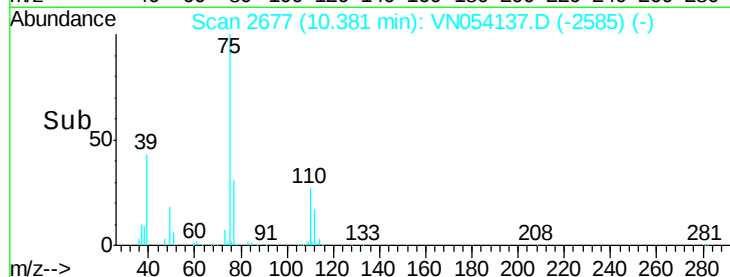
1000000

500000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 157.006 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

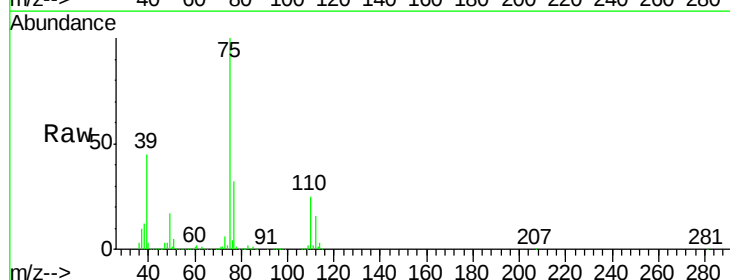
Tgt Ion: 75 Resp: 4063553

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 45.1 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

3000000

2500000

2000000

1500000

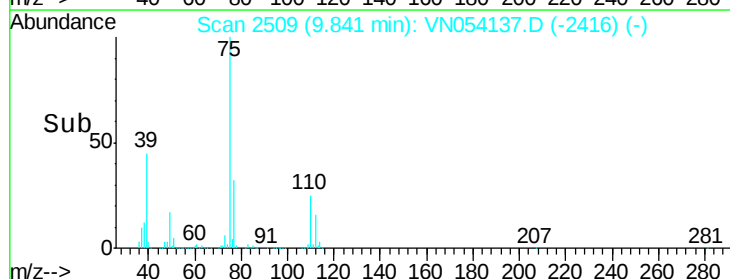
1000000

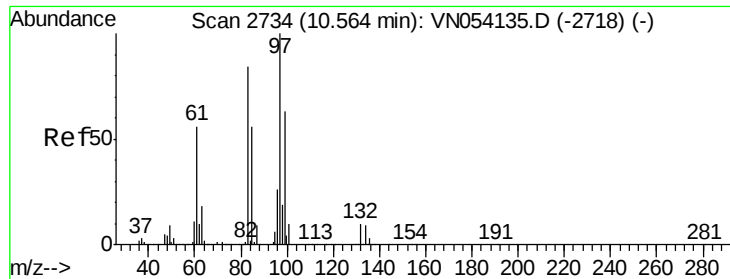
500000

0

9.75 9.80 9.85 9.90 9.95

Time-->



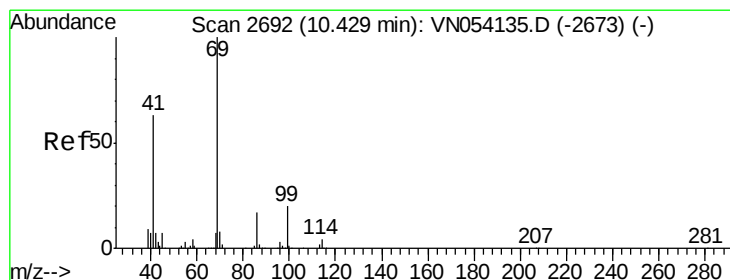
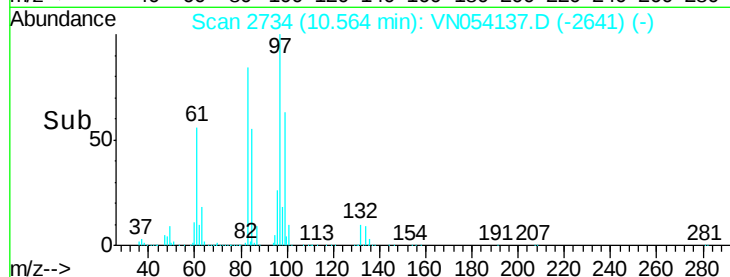
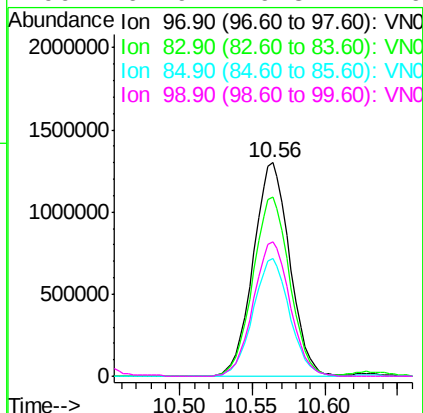
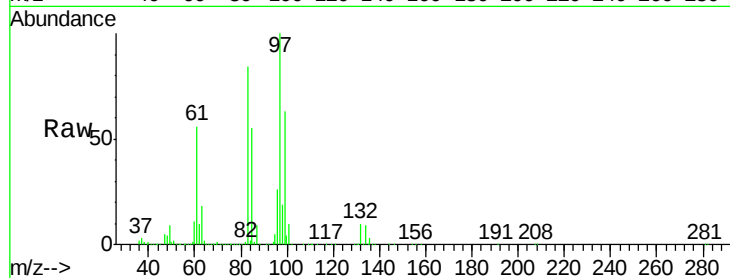


#55
 1,1,2-Trichloroethane
 Concen: 149.863 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 97 Resp: 2278448

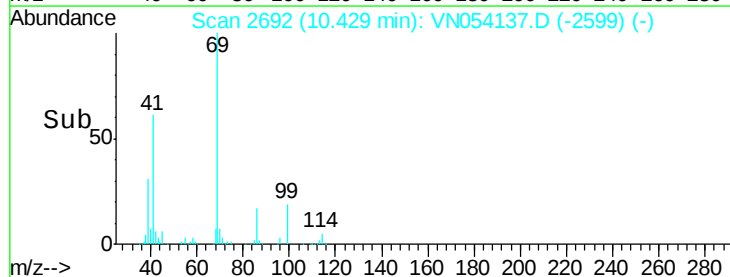
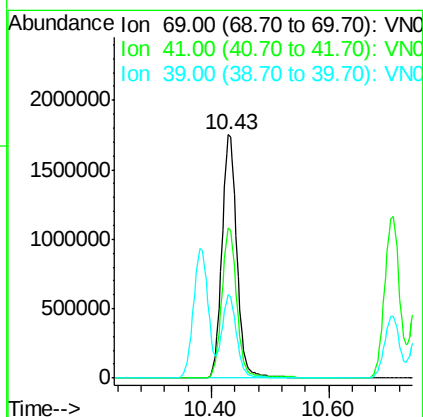
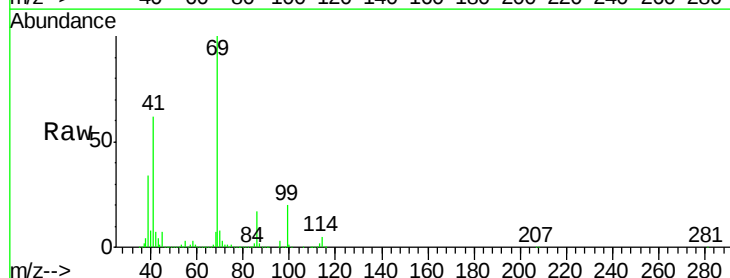
Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.8	104.6
85	54.9	45.0	67.4
99	62.9	49.8	74.6

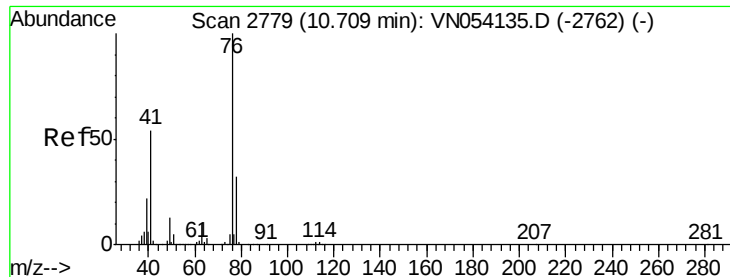


#56
 Ethyl methacrylate
 Concen: 164.270 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

Tgt Ion: 69 Resp: 3056926

Ion	Ratio	Lower	Upper
69	100		
41	61.0	53.4	80.2
39	33.4	25.6	38.4





#57

1,3-Dichloropropane

Concen: 152.696 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

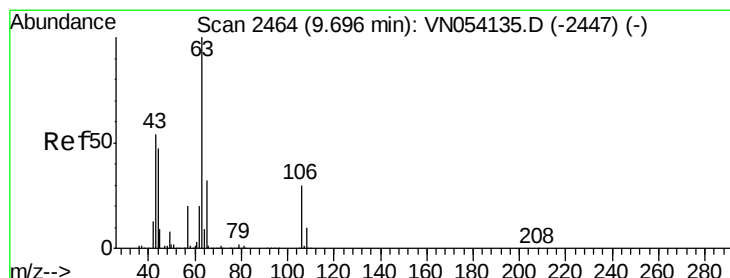
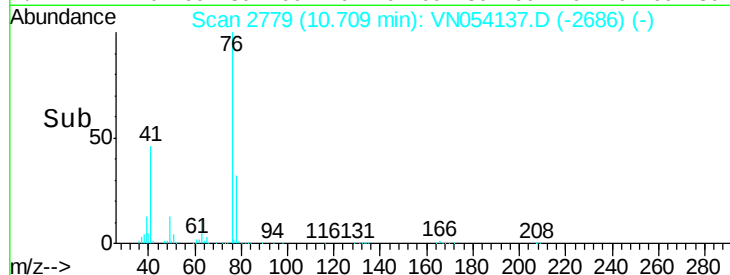
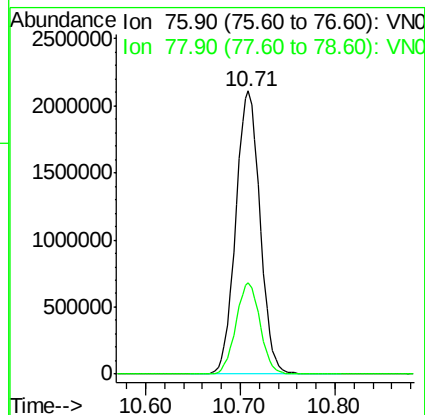
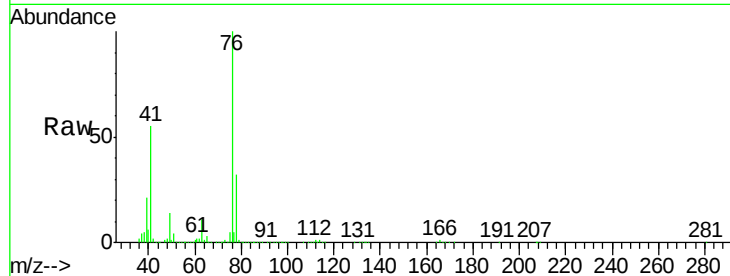
VSTDIC150

Tot Ion: 76 Resp: 3757777

Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 923.098 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054137.D

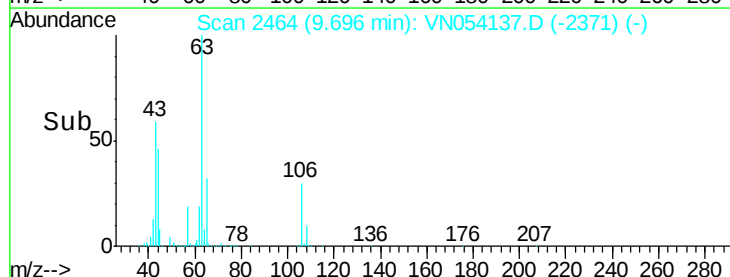
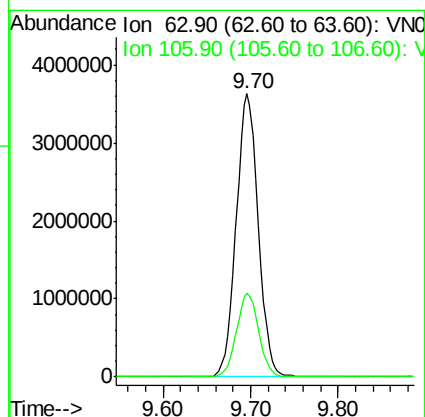
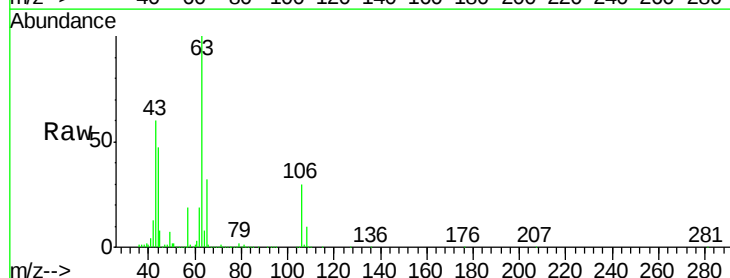
Acq: 11 Mar 2019 12:22

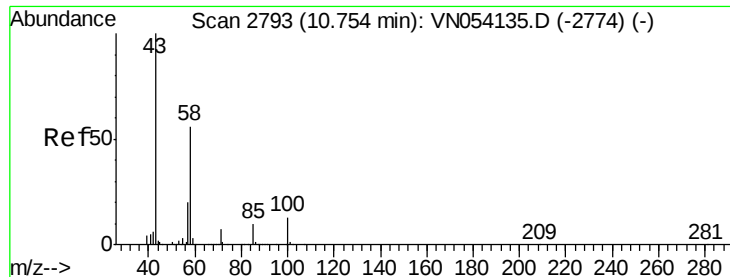
Tgt Ion: 63 Resp: 6342380

Ion Ratio Lower Upper

63 100

106 29.8 20.2 30.2

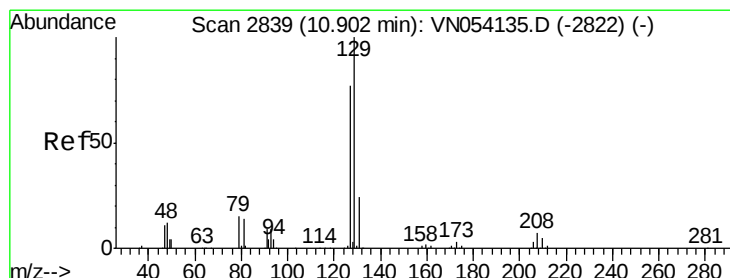
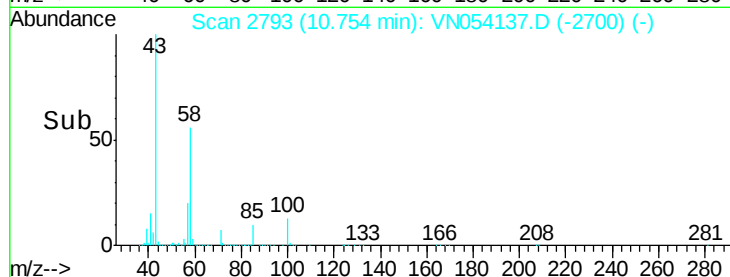
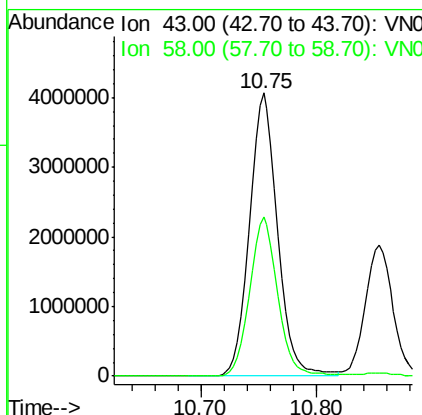
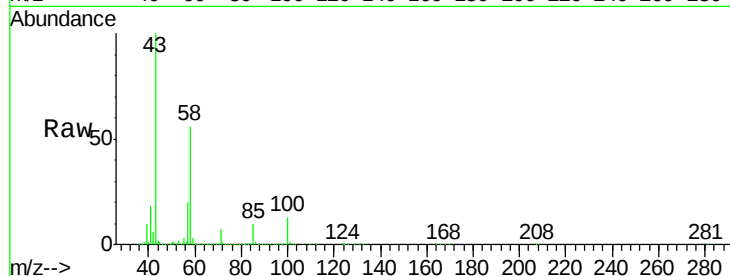




#59
2-Hexanone
Concen: 816.041 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

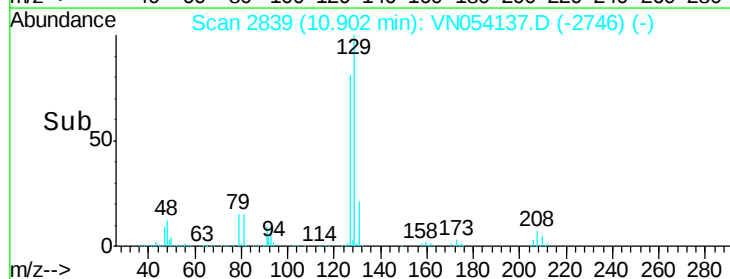
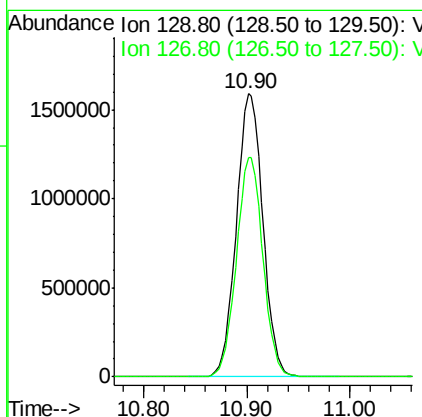
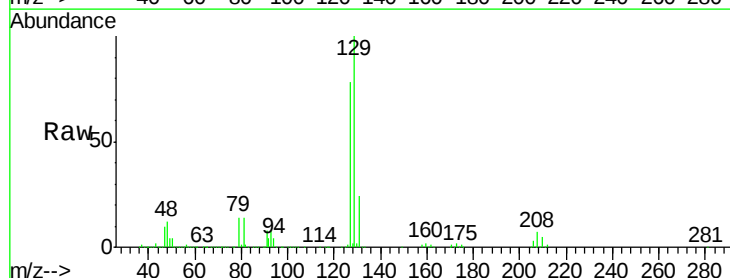
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

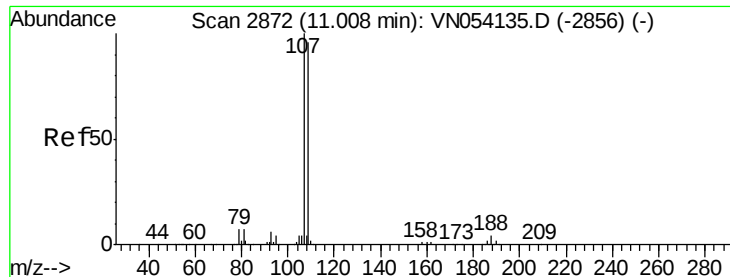
Tot Ion: 43 Resp: 6863358
Ion Ratio Lower Upper
43 100
58 56.4 27.0 81.0



#60
Dibromochloromethane
Concen: 161.697 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 129 Resp: 2847659
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.4





#61

1,2-Dibromoethane

Concen: 157.505 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

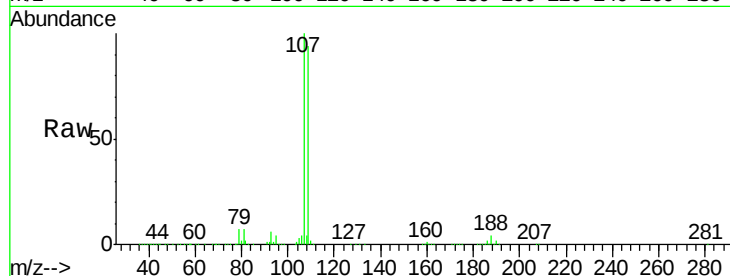
VSTDIC150

Tot Ion:107 Resp: 2406401

Ion Ratio Lower Upper

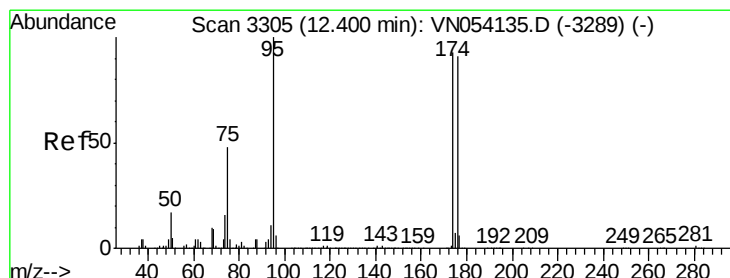
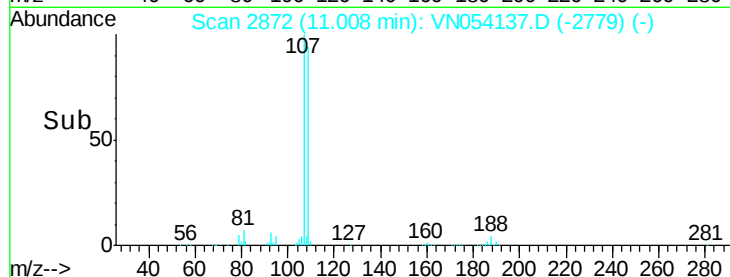
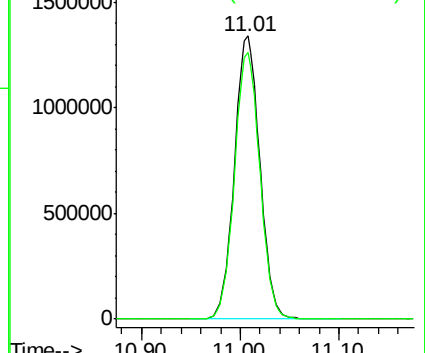
107 100

109 94.3 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 163.145 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

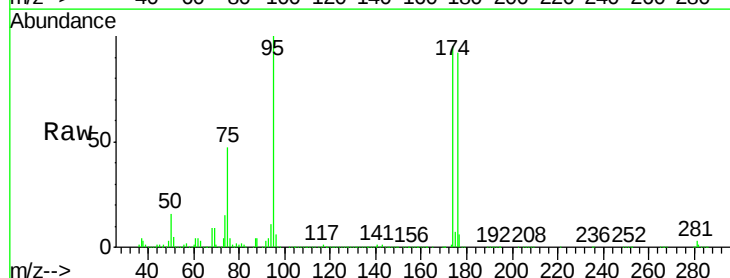
Tgt Ion: 95 Resp: 3419000

Ion Ratio Lower Upper

95 100

174 94.3 0.0 173.2

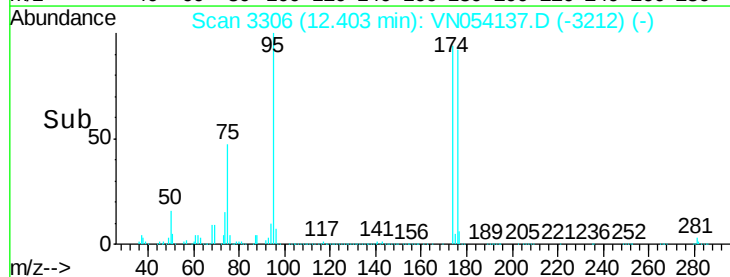
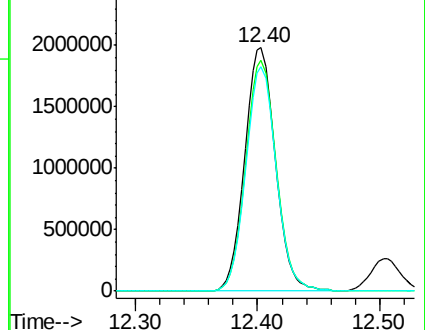
176 91.7 0.0 168.8

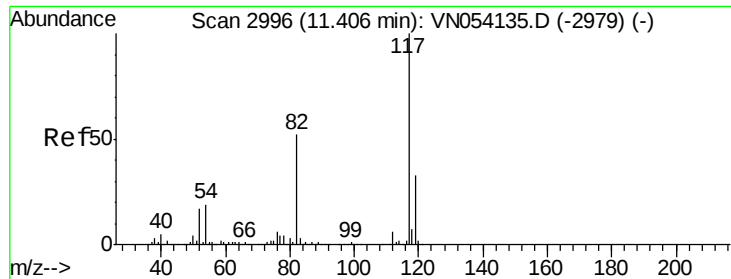


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

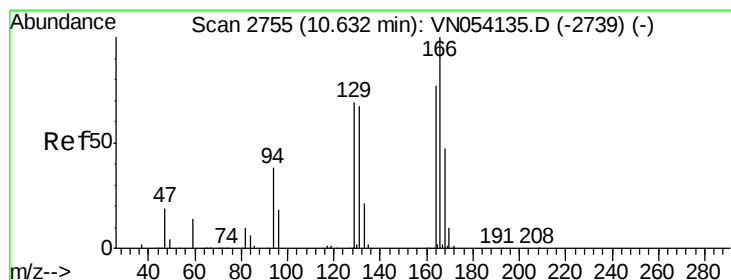
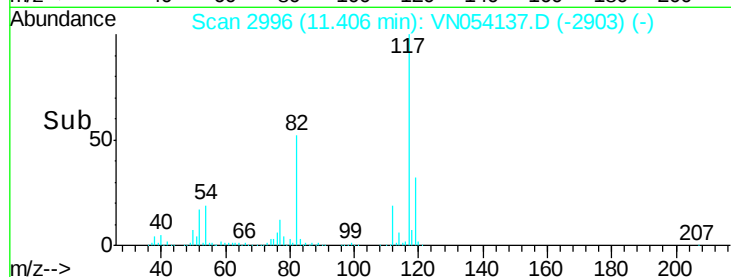
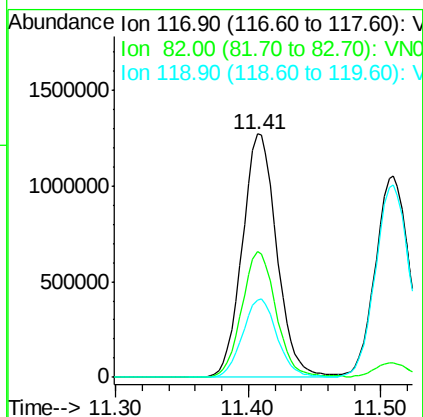
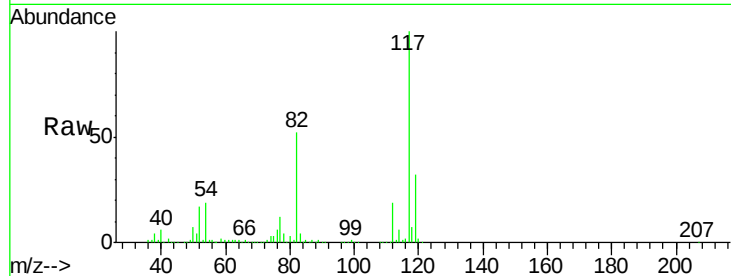




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

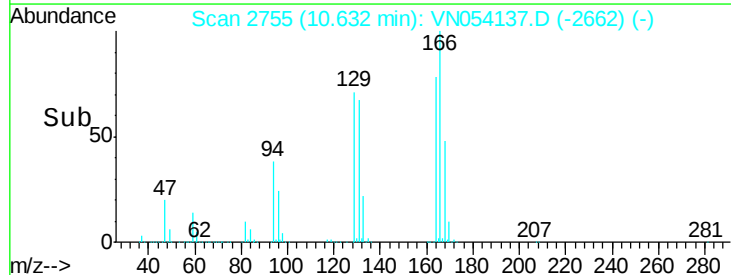
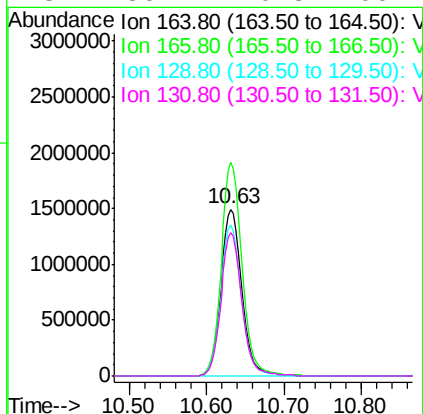
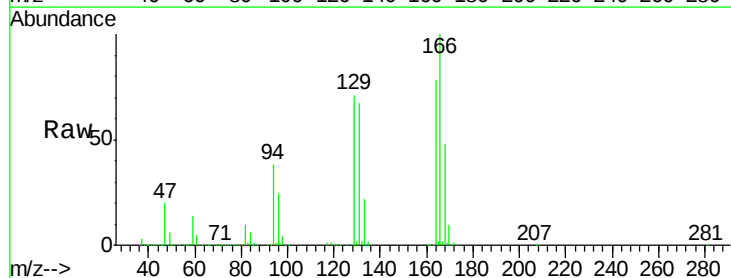
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

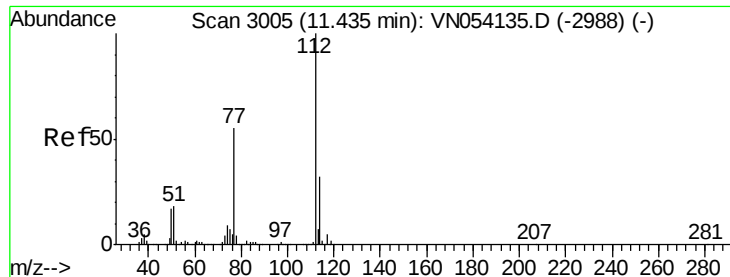
Tot Ion:117 Resp: 2305769
Ion Ratio Lower Upper
117 100
82 51.6 43.4 65.2
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 132.056 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion:164 Resp: 2803610
Ion Ratio Lower Upper
164 100
166 128.1 101.3 151.9
129 90.9 73.2 109.8
131 86.2 70.8 106.2

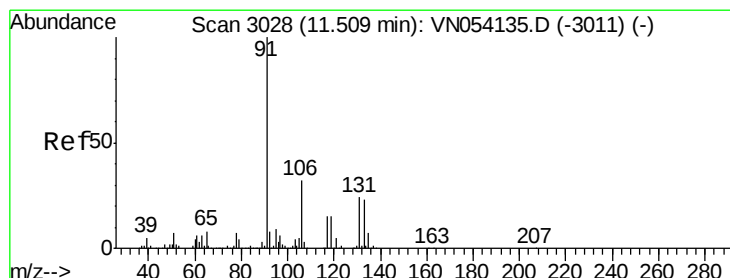
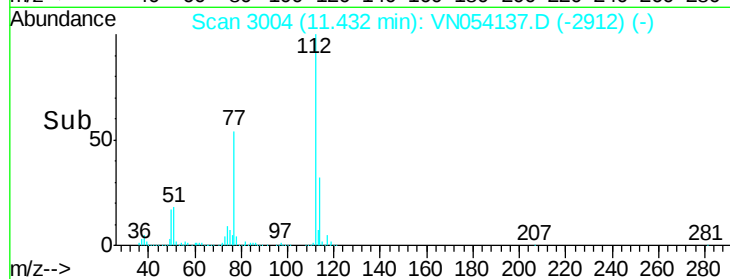
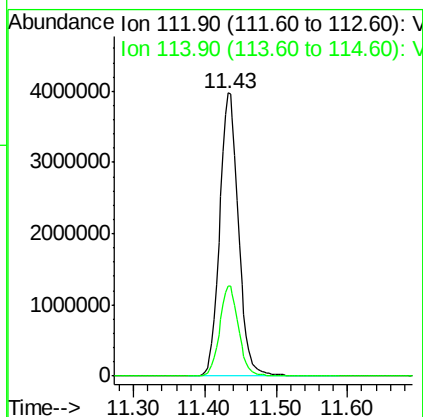
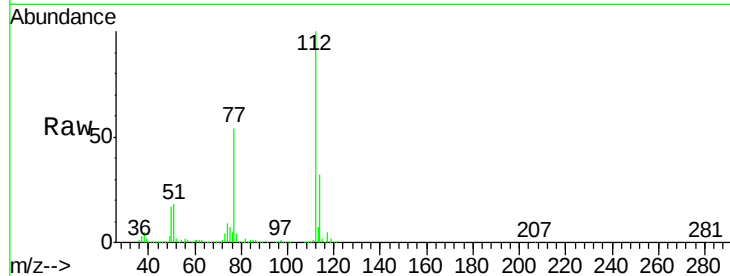




#65
Chlorobenzene
Concen: 147.892 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

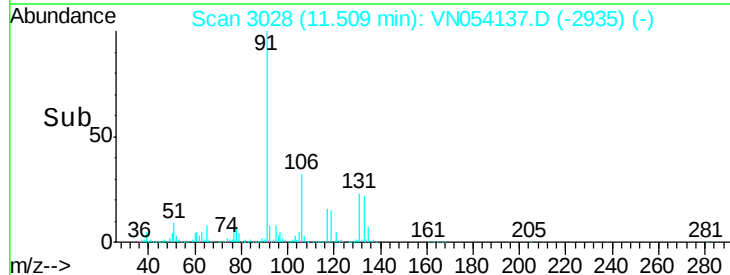
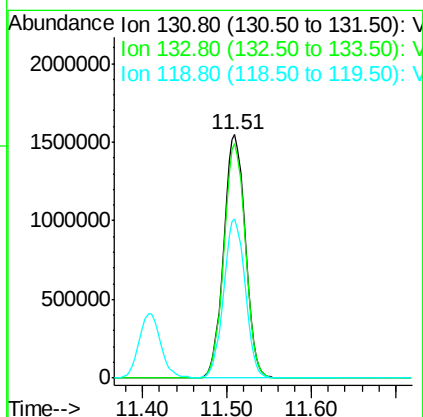
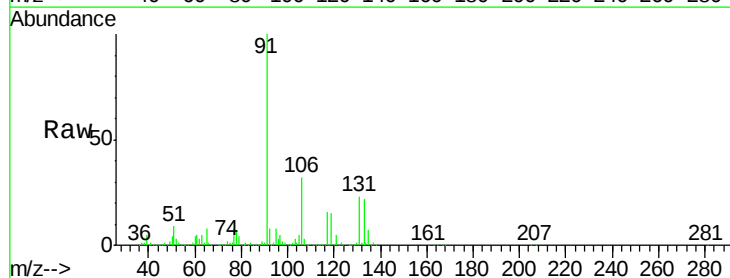
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

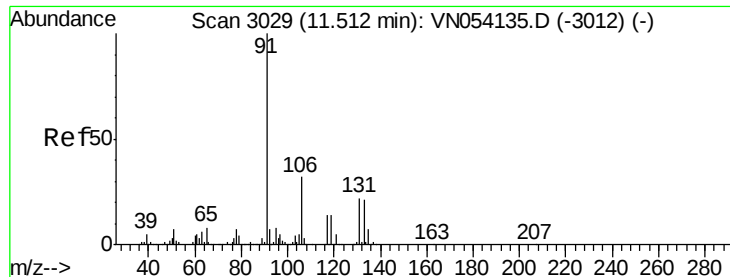
Tot Ion:112 Resp: 7225277
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 149.613 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion:131 Resp: 2749773
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 65.3 33.8 101.3

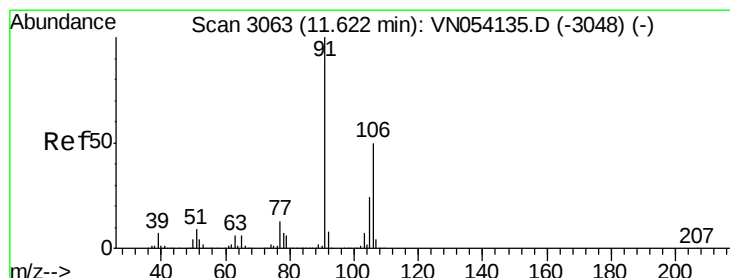
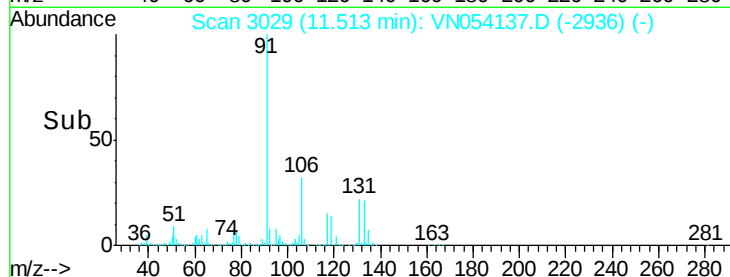
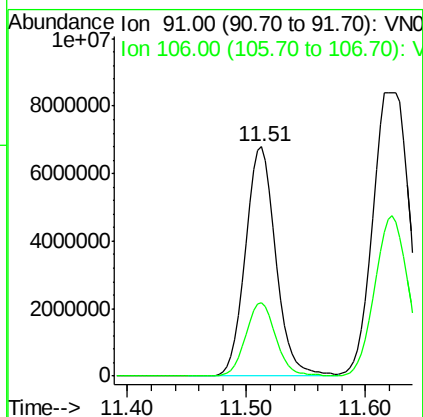
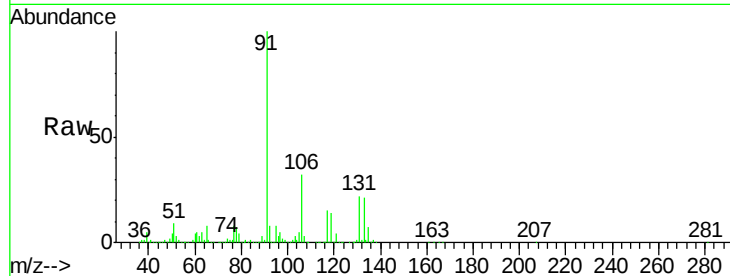




#67
Ethyl Benzene
Concen: 148.276 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

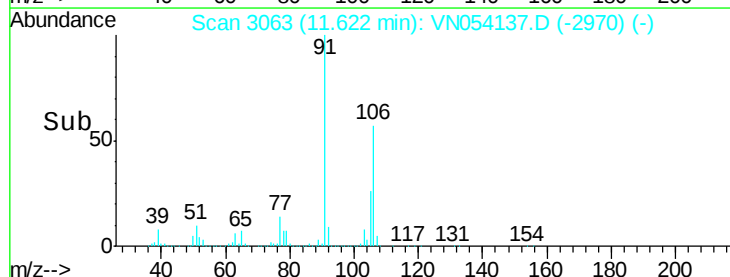
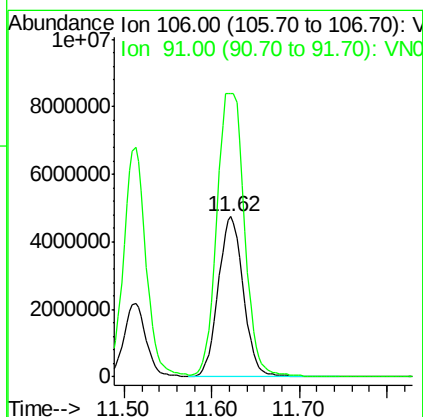
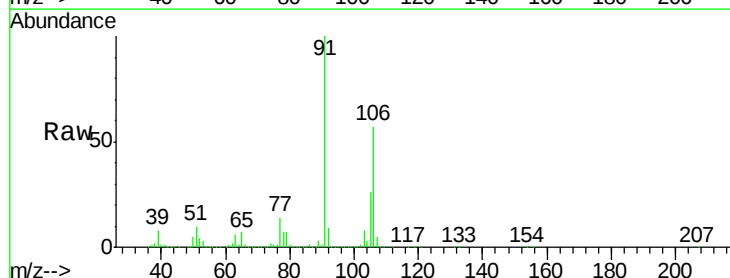
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

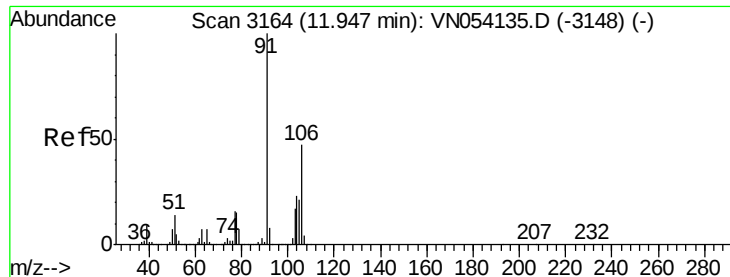
Tot Ion: 91 Resp:12041643
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8



#68
m/p-Xylenes
Concen: 299.862 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion:106 Resp: 9523074
Ion Ratio Lower Upper
106 100
91 193.6 163.2 244.8

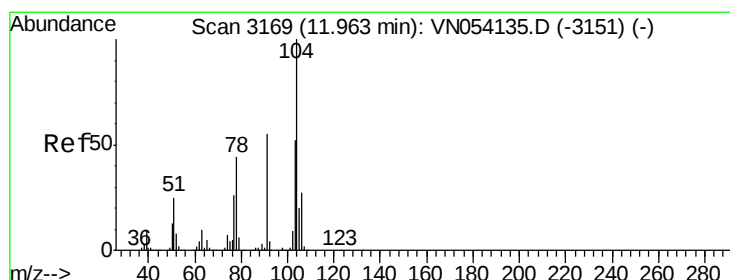
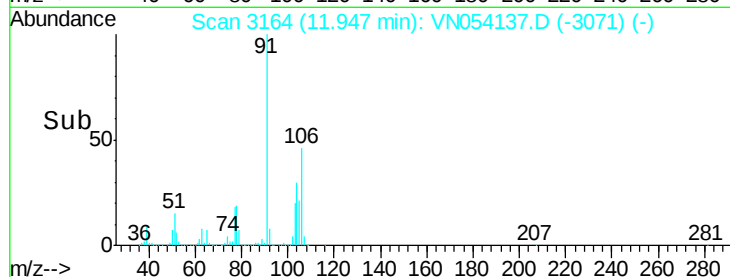
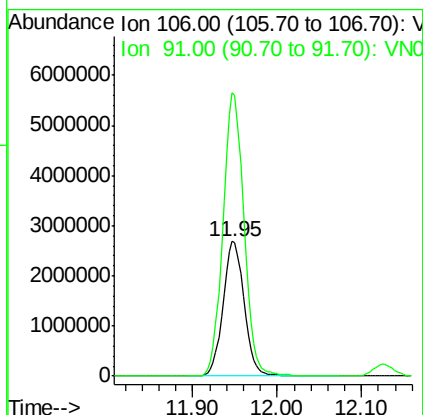
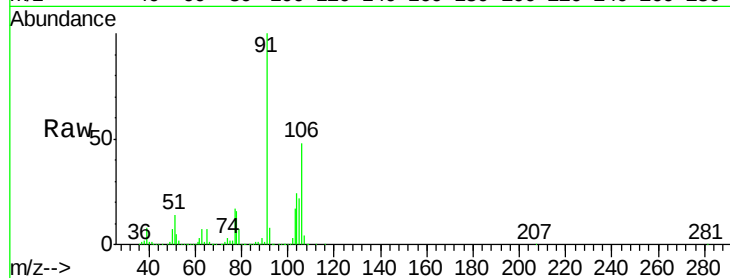




#69
o-Xylene
Concen: 149.388 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

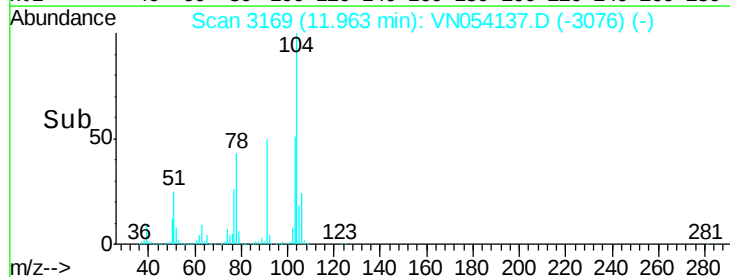
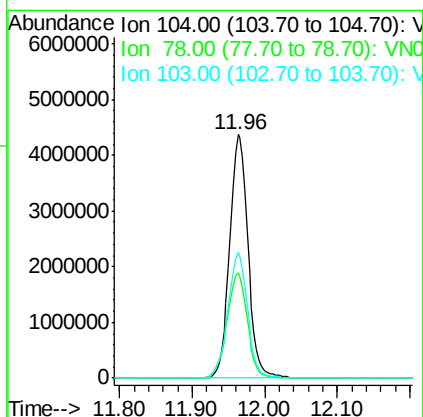
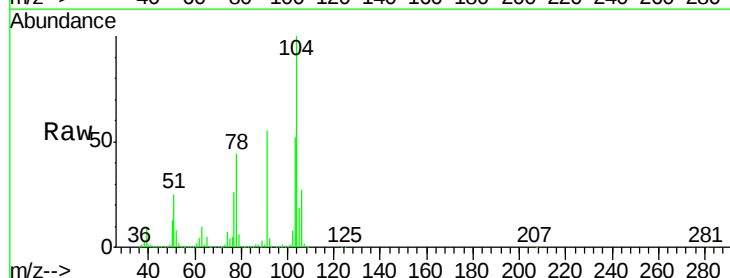
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

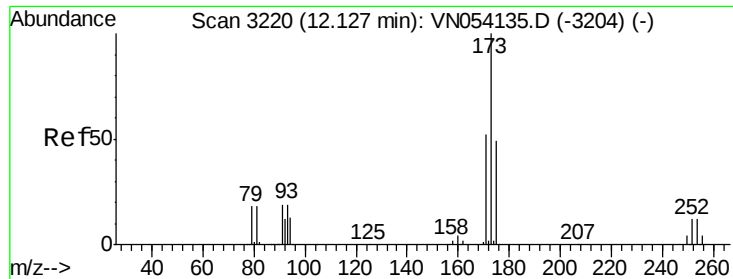
Tot Ion:106 Resp: 4656902
Ion Ratio Lower Upper
106 100
91 210.0 107.1 321.3



#70
Styrene
Concen: 159.770 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion:104 Resp: 7715349
Ion Ratio Lower Upper
104 100
78 47.5 39.4 59.0
103 55.2 44.7 67.1





#71

Bromoform

Concen: 167.616 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

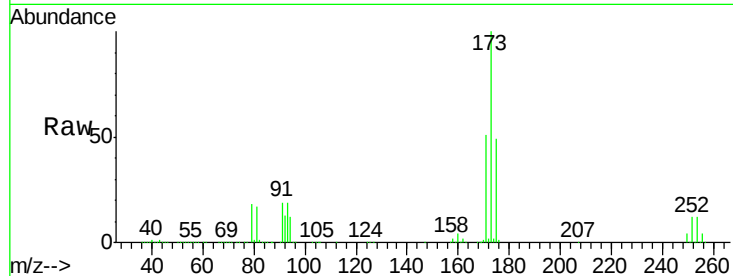
Tot Ion:173 Resp: 2134966

Ion Ratio Lower Upper

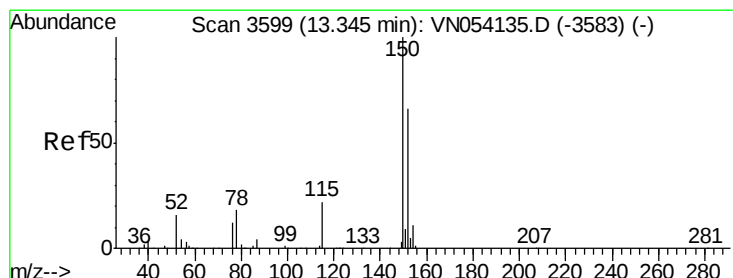
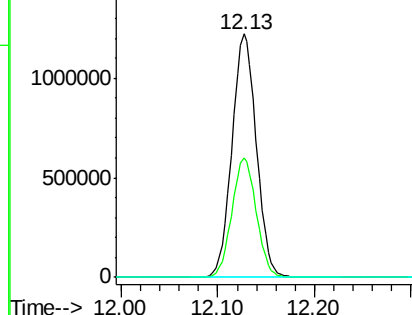
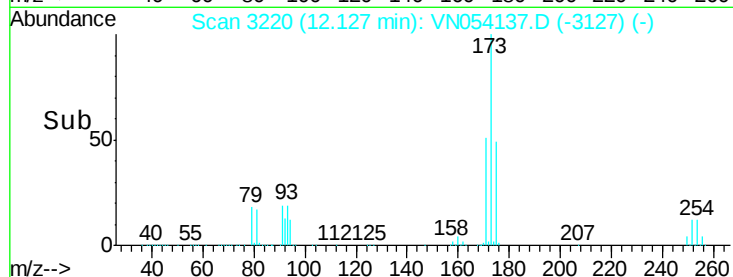
173 100

175 49.2 24.1 72.2

254 0.2 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: VN054137.D

Acq: 11 Mar 2019 12:22

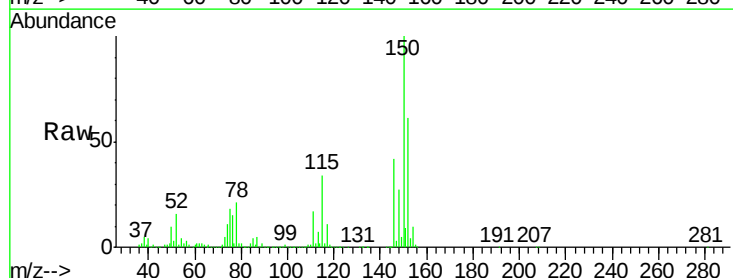
Tgt Ion:152 Resp: 1190071

Ion Ratio Lower Upper

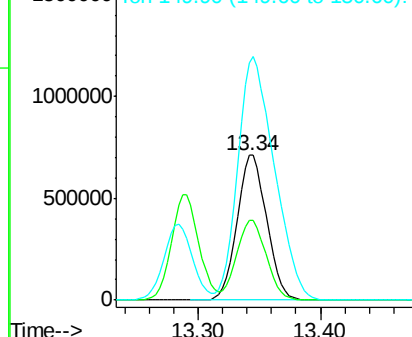
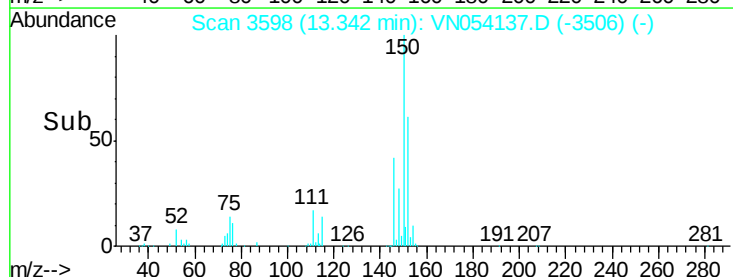
152 100

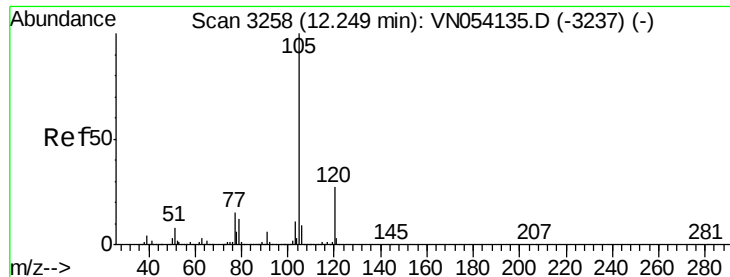
115 55.4 28.5 85.6

150 208.3 0.0 343.2



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: 129.378 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

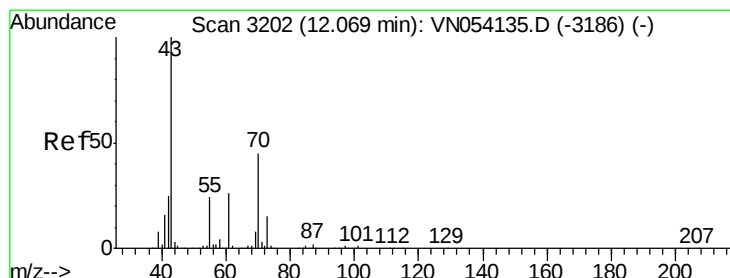
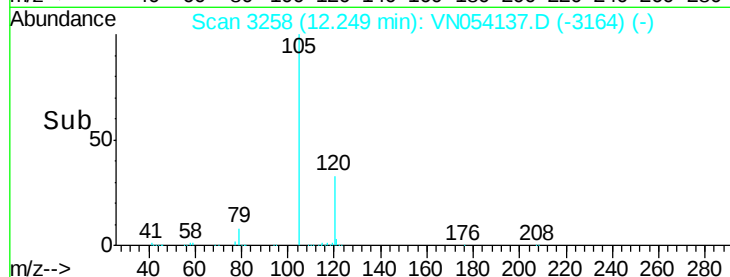
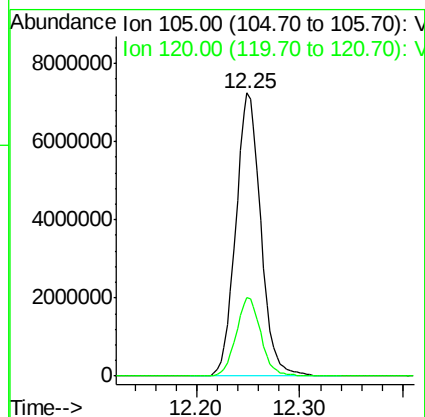
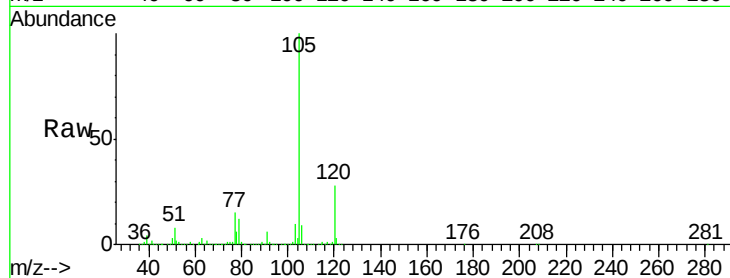
VSTDIC150

Tot Ion:105 Resp:12246520

Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.8



#74

N-ethyl acetate

Concen: 154.021 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Tgt Ion: 43 Resp: 3320647

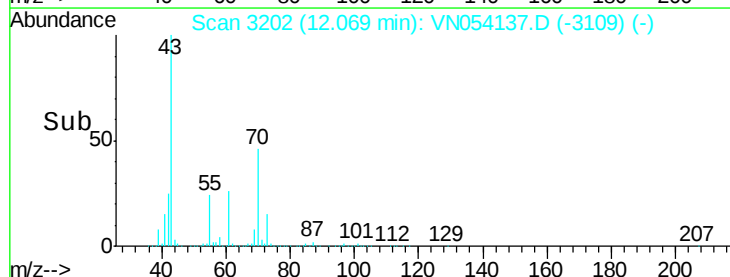
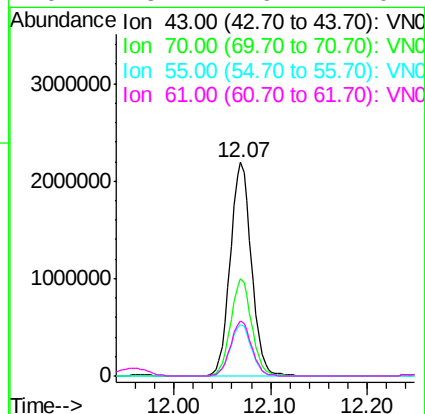
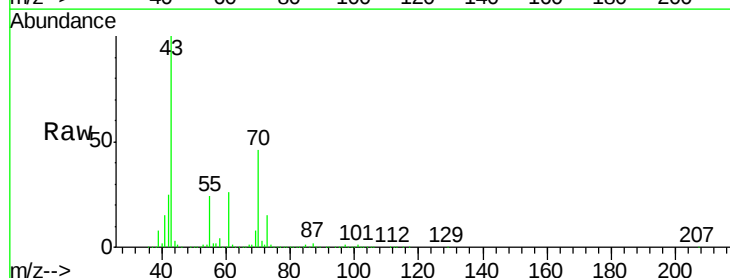
Ion Ratio Lower Upper

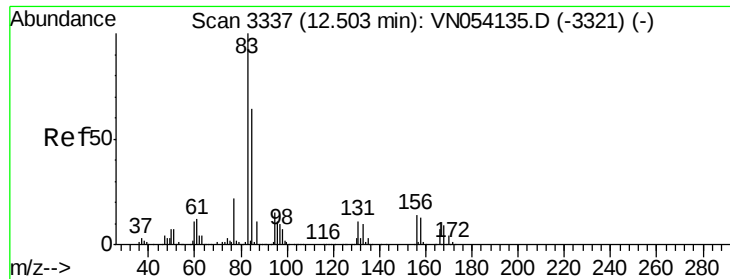
43 100

70 45.2 33.6 50.4

55 24.3 20.6 31.0

61 25.7 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 137.752 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

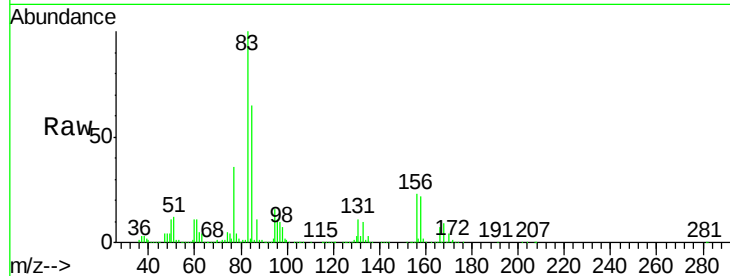
Tot Ion: 83 Resp: 2821634

Ion Ratio Lower Upper

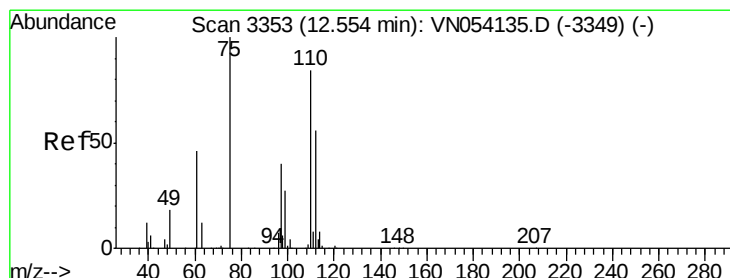
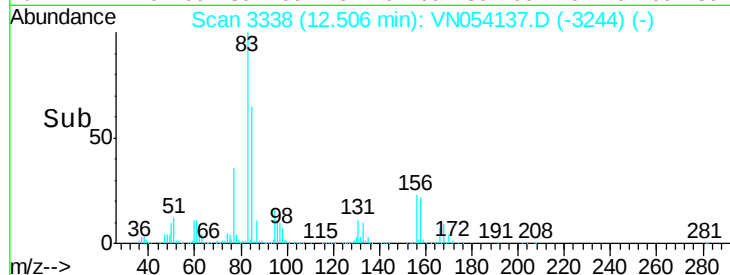
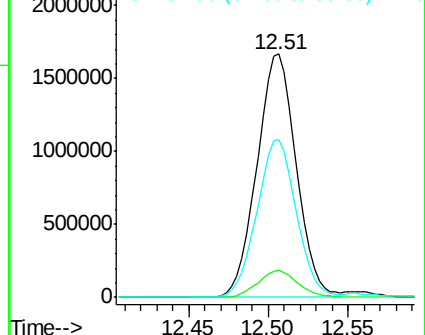
83 100

131 11.4 5.0 14.9

85 64.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 222.294 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054137.D

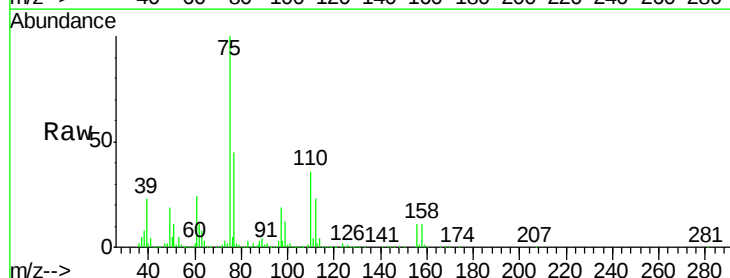
Acq: 11 Mar 2019 12:22

Tgt Ion: 75 Resp: 3735832

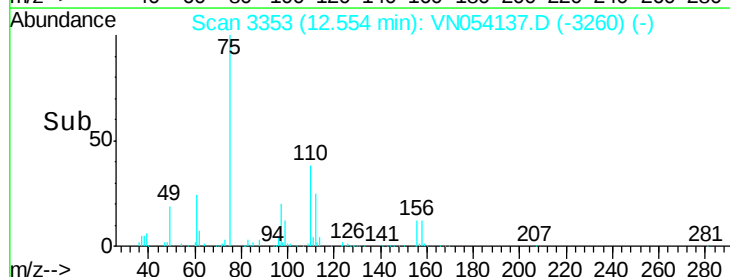
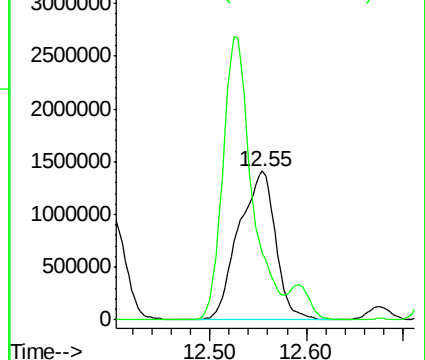
Ion Ratio Lower Upper

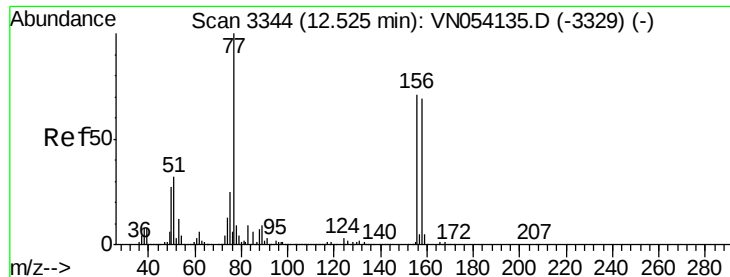
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 135.918 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

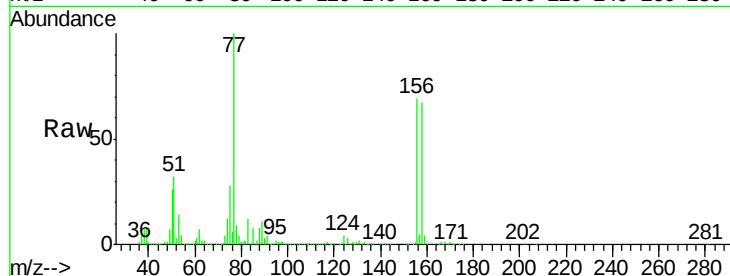
Tot Ion:156 Resp: 3348780

Ion Ratio Lower Upper

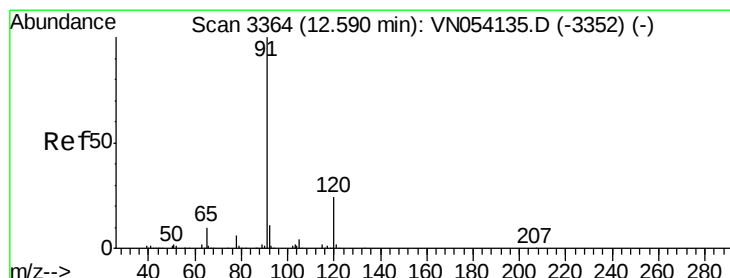
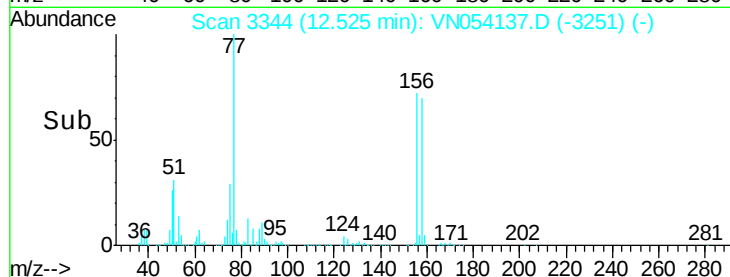
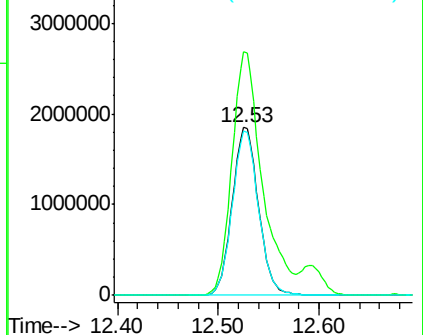
156 100

77 167.6 93.6 280.8

158 97.8 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): V
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 136.453 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054137.D

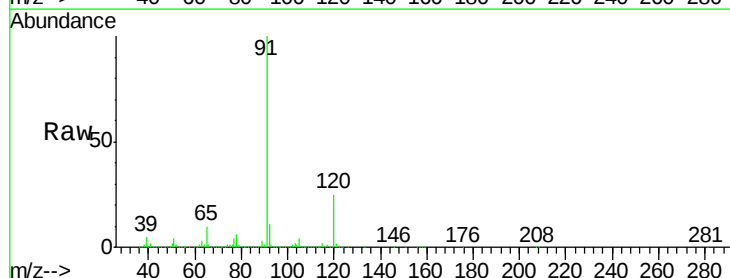
Acq: 11 Mar 2019 12:22

Tgt Ion: 91 Resp:13821222

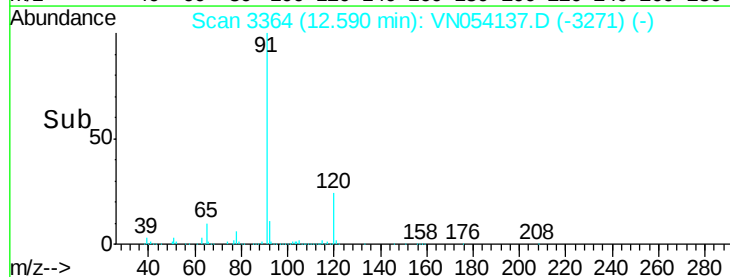
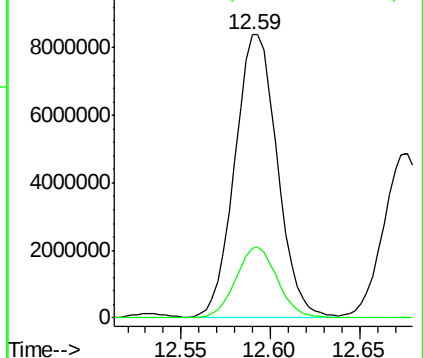
Ion Ratio Lower Upper

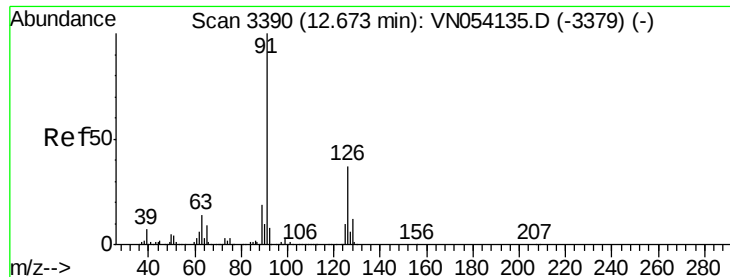
91 100

120 24.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 132.813 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

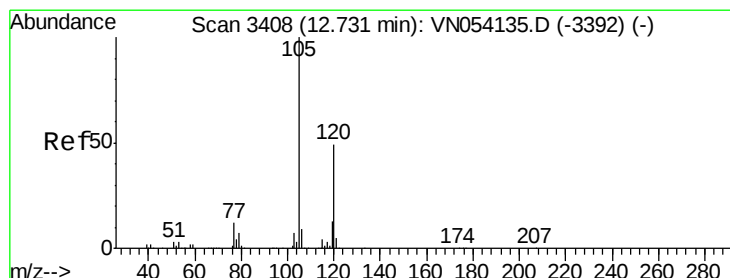
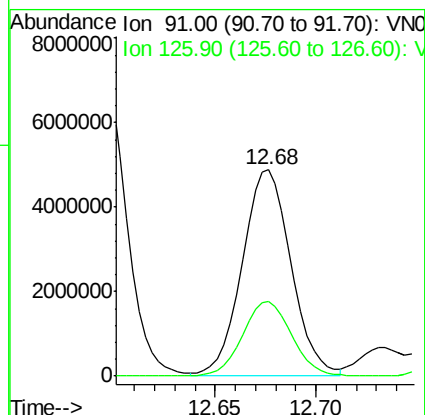
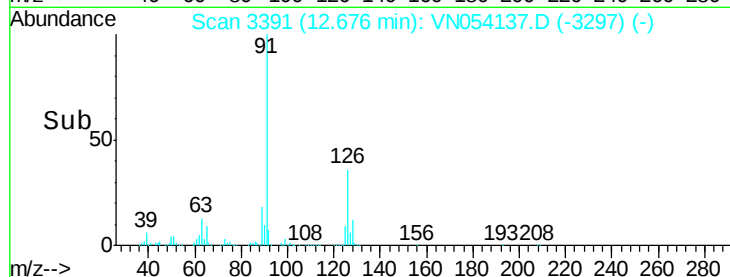
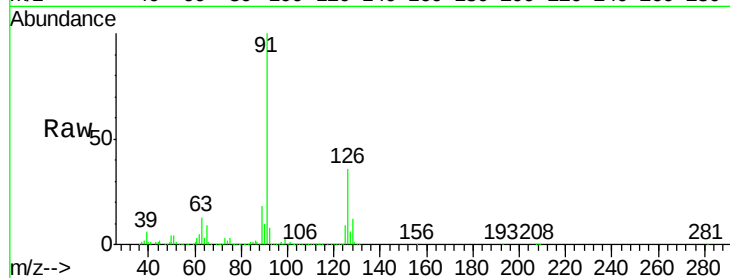
VSTDIC150

Tot Ion: 91 Resp: 8234754

Ion Ratio Lower Upper

91 100

126 36.7 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 134.505 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054137.D

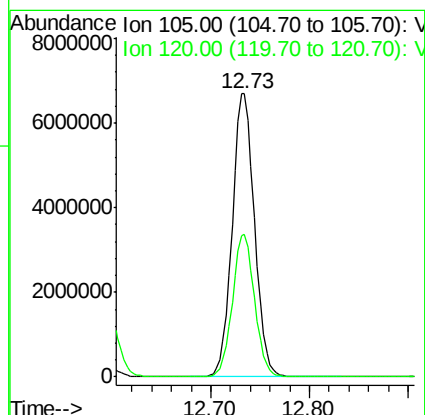
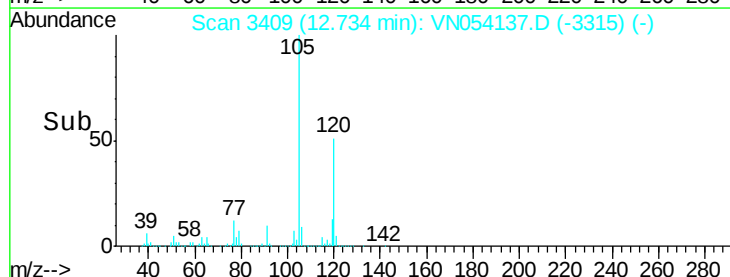
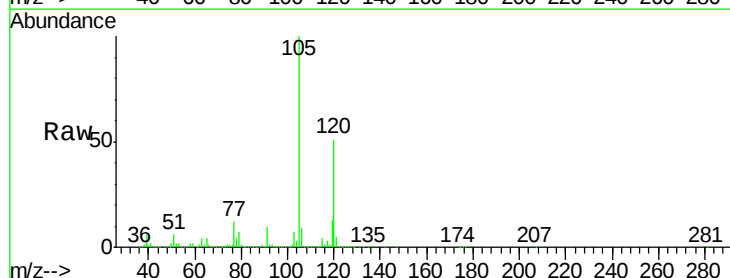
Acq: 11 Mar 2019 12:22

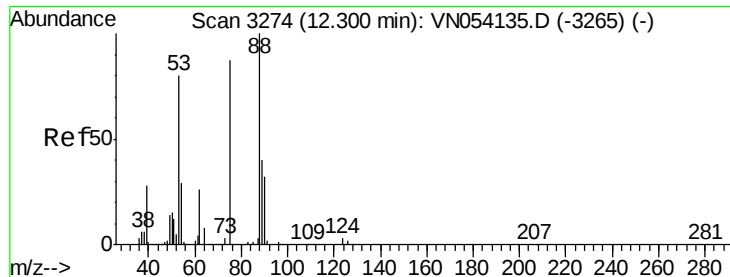
Tgt Ion: 105 Resp: 10554237

Ion Ratio Lower Upper

105 100

120 50.1 24.6 73.8

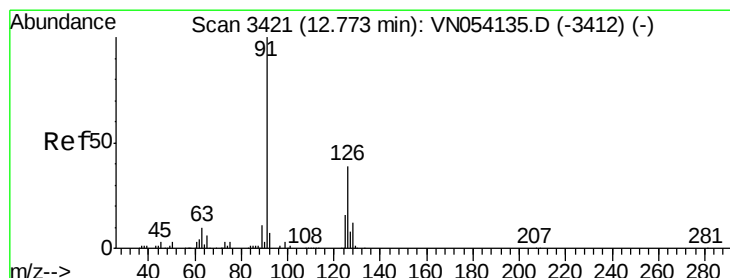
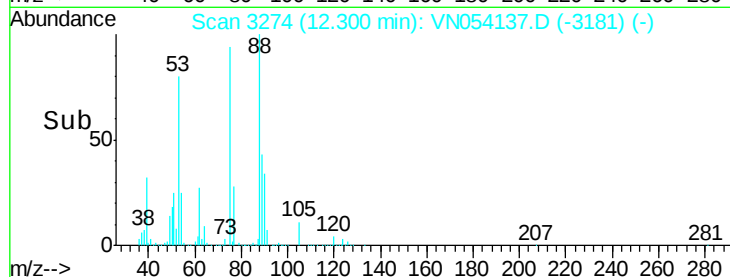
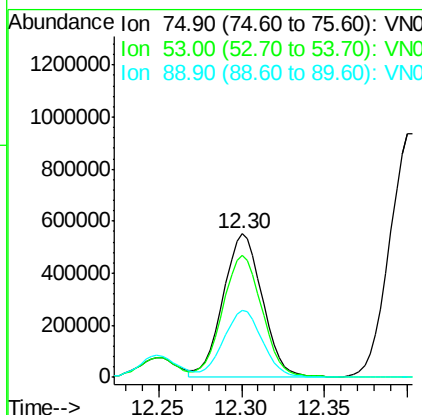
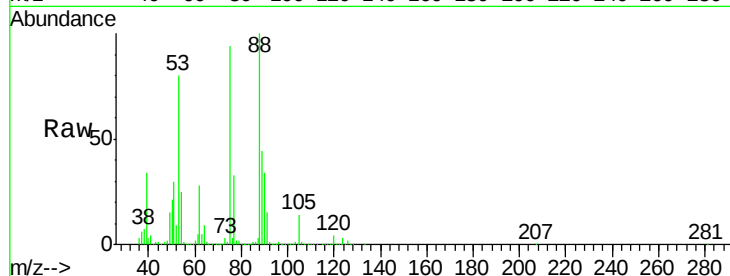




#81
trans-1,4-Dichloro-2-butene
Concen: 159.517 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

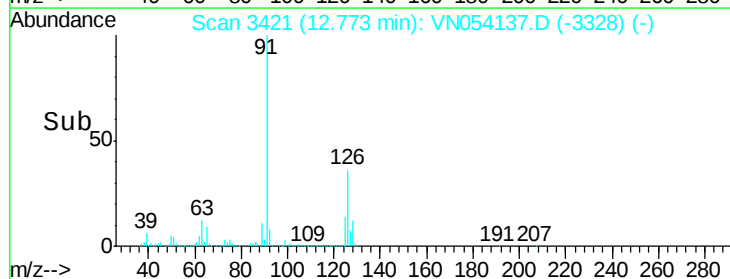
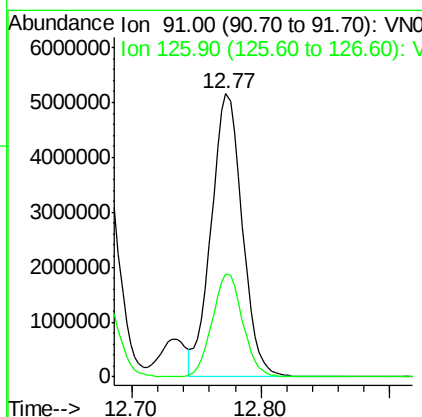
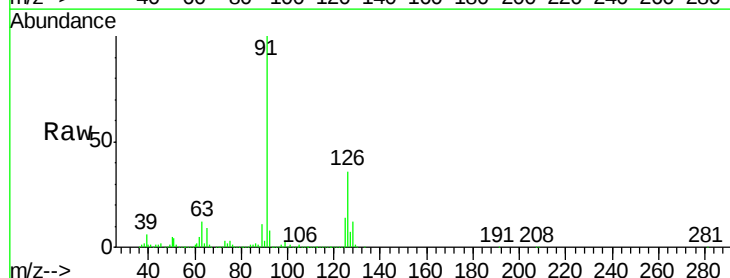
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

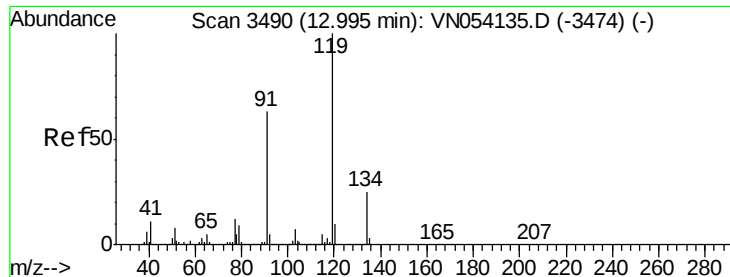
Tot Ion: 75 Resp: 900594
Ion Ratio Lower Upper
75 100
53 86.6 76.4 114.6
89 47.2 35.3 52.9



#82
4-Chlorotoluene
Concen: 142.252 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054137.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 91 Resp: 8599057
Ion Ratio Lower Upper
91 100
126 36.0 17.1 51.3





#83

tert-Butylbenzene

Concen: 130.877 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

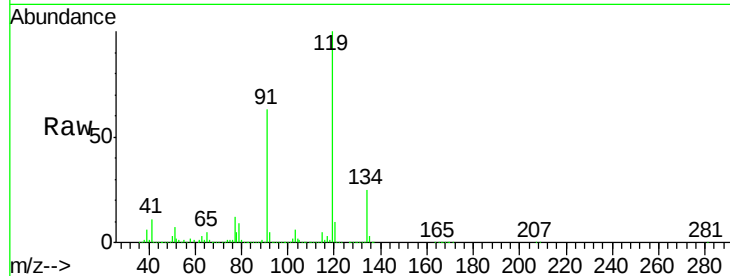
Tot Ion:119 Resp: 9484308

Ion Ratio Lower Upper

119 100

91 62.1 31.8 95.3

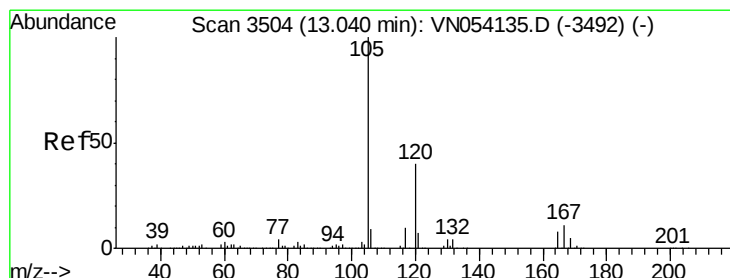
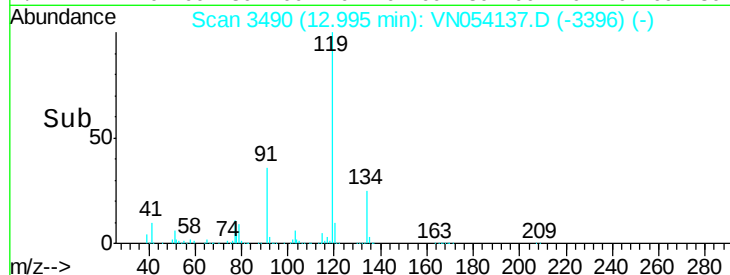
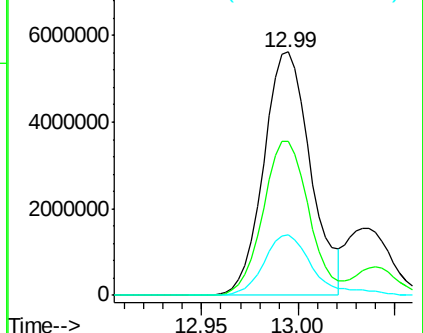
134 26.1 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 139.234 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054137.D

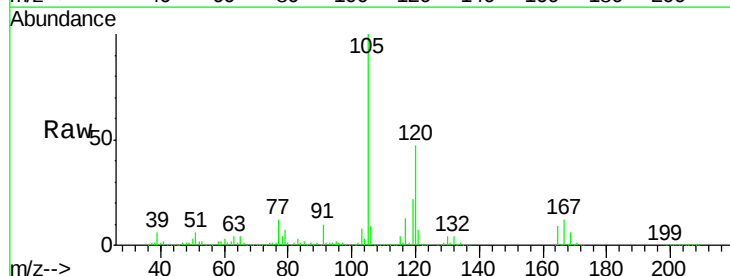
Acq: 11 Mar 2019 12:22

Tgt Ion:105 Resp:10697849

Ion Ratio Lower Upper

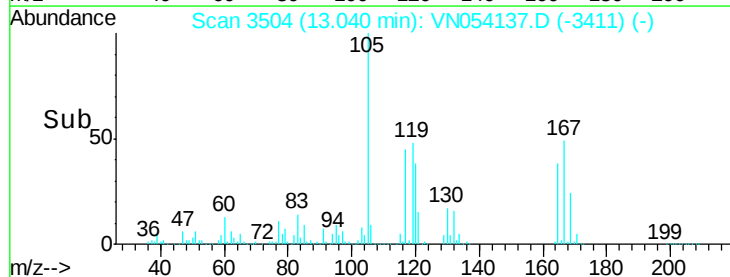
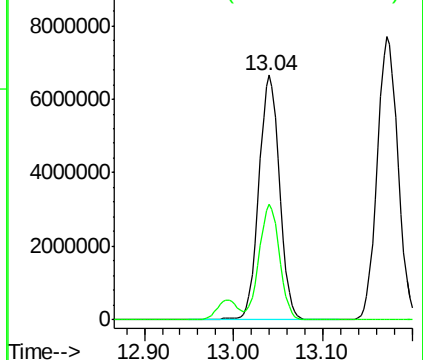
105 100

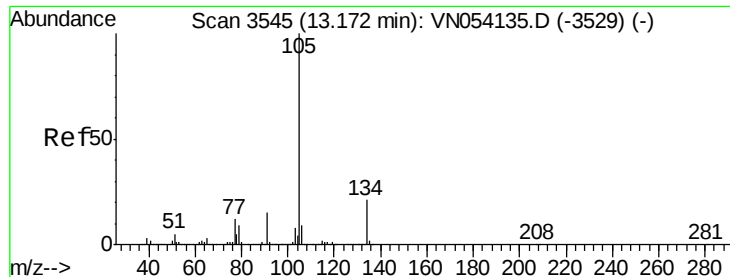
120 46.9 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 131.905 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

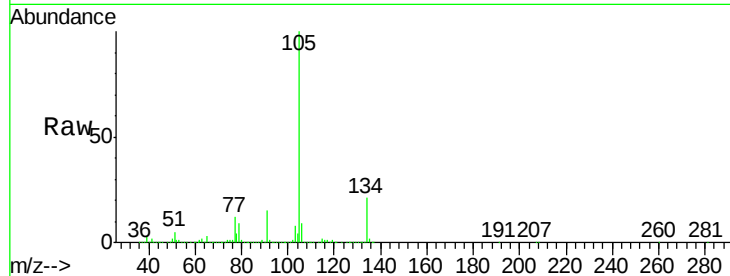
VSTDIC150

Tot Ion:105 Resp:12385749

Ion Ratio Lower Upper

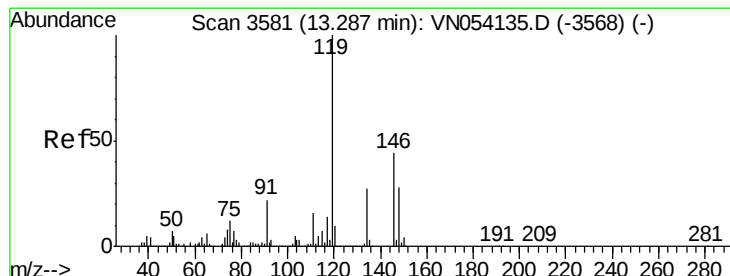
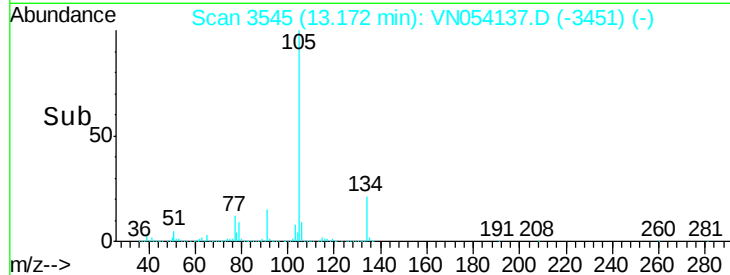
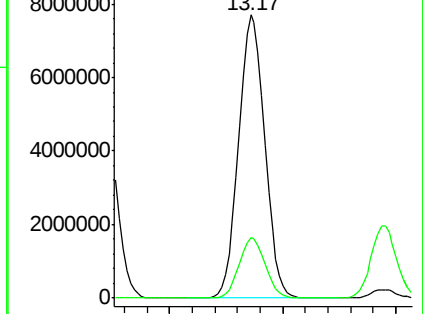
105 100

134 21.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 138.086 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

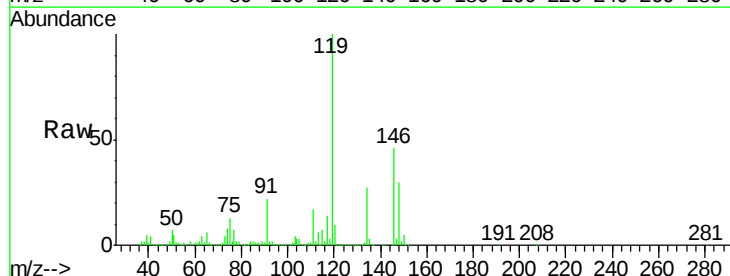
Tgt Ion:119 Resp:11314125

Ion Ratio Lower Upper

119 100

134 27.2 13.2 39.5

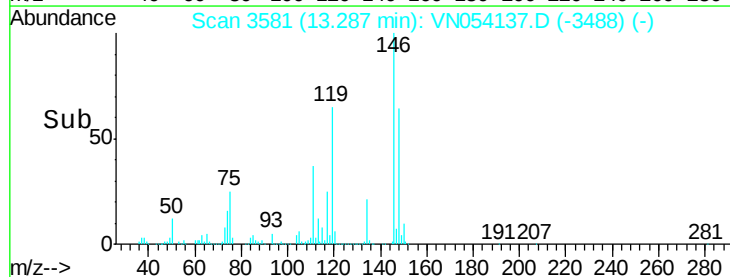
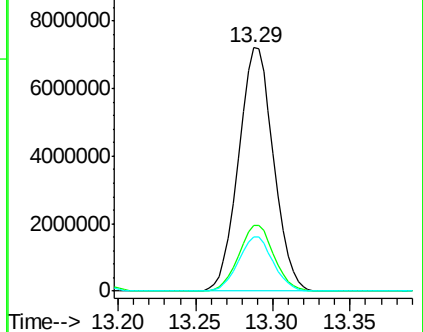
91 22.1 11.4 34.2

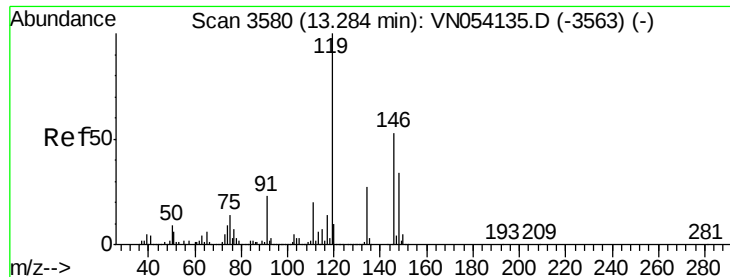


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 146.273 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

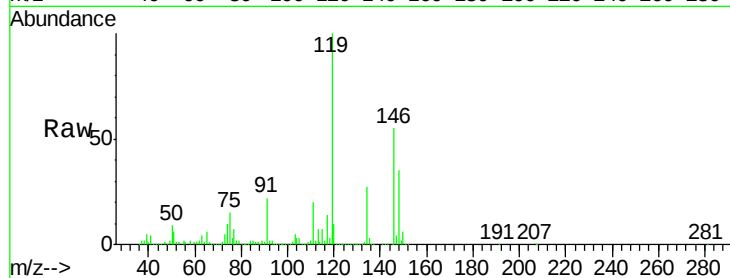
Tot Ion:146 Resp: 6022289

Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.3	57.8
148	64.0	32.4	97.0

146 100

111 37.6 19.3 57.8

148 64.0 32.4 97.0

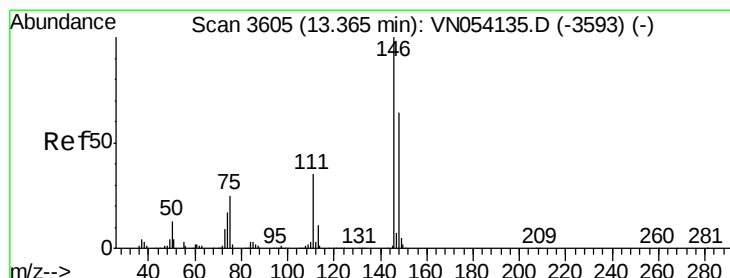
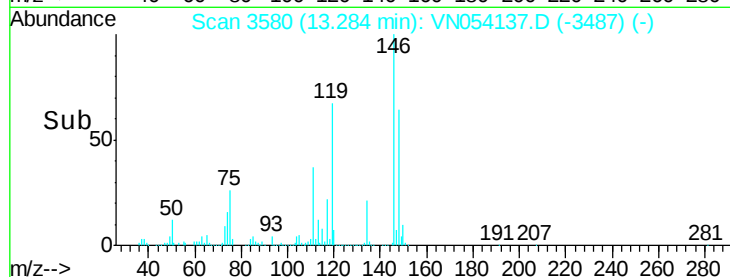
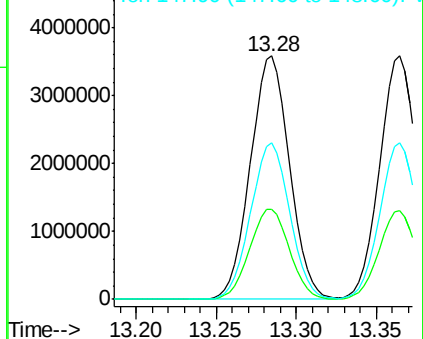


Abundance

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: 146.127 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

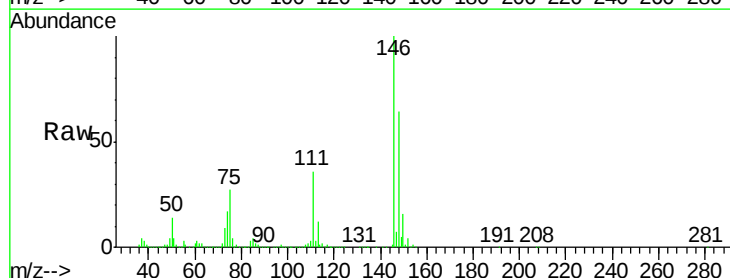
Tgt Ion:146 Resp: 5940601

Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.9	56.5
148	64.2	32.1	96.5

146 100

111 36.3 18.9 56.5

148 64.2 32.1 96.5

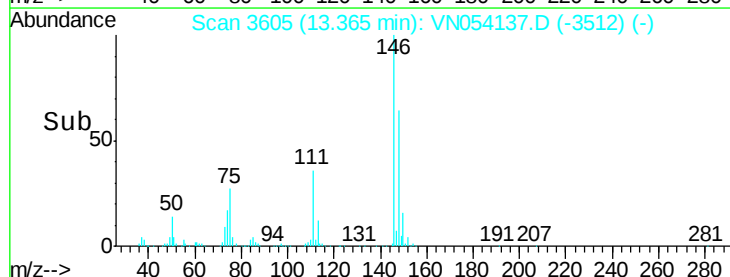
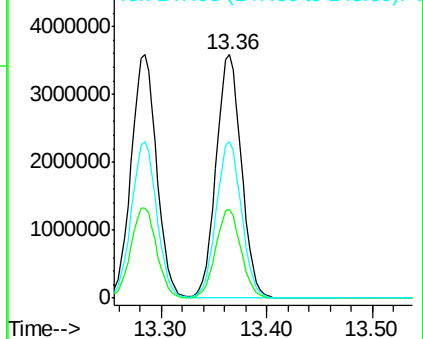


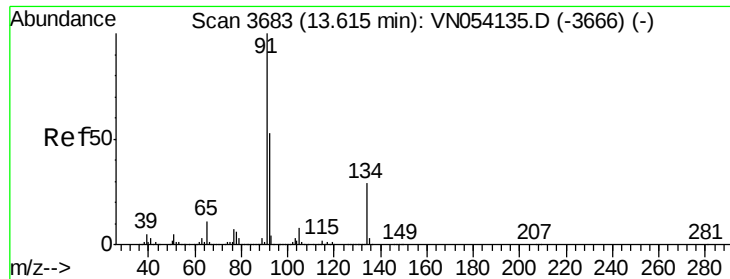
Abundance

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: 153.860 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

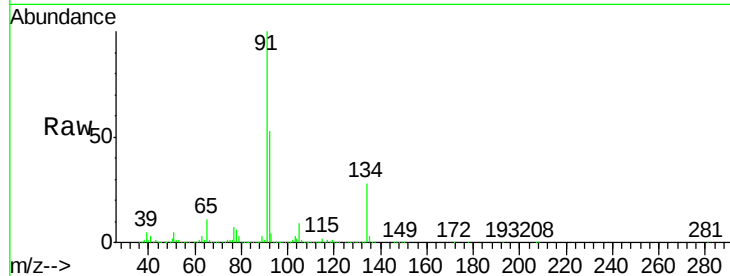
Tot Ion: 91 Resp: 9668372

Ion Ratio Lower Upper

91 100

92 52.6 26.0 78.0

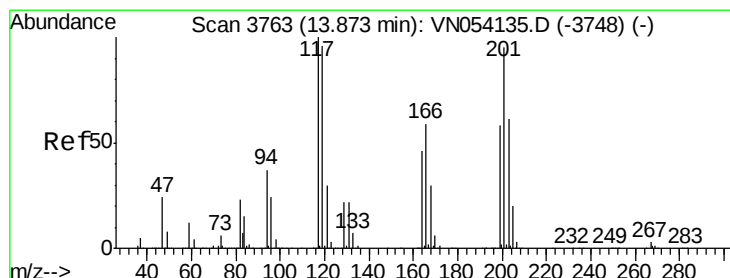
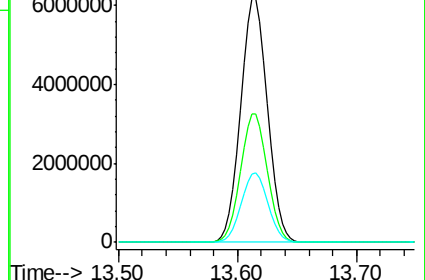
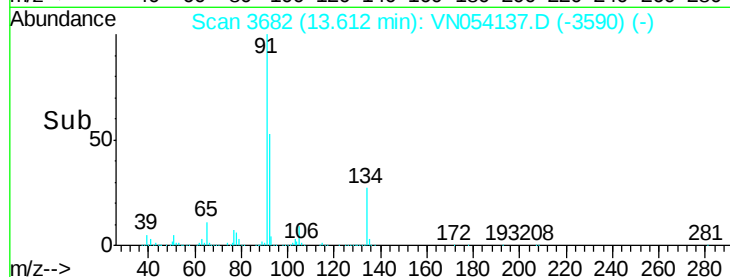
134 28.4 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VN054137.D (-3666) (-)

Ion 92.00 (91.70 to 92.70): VN054137.D (-3666) (-)

Ion 134.00 (133.70 to 134.70): VN054137.D (-3666) (-)



#90

Hexachloroethane

Concen: 142.652 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054137.D

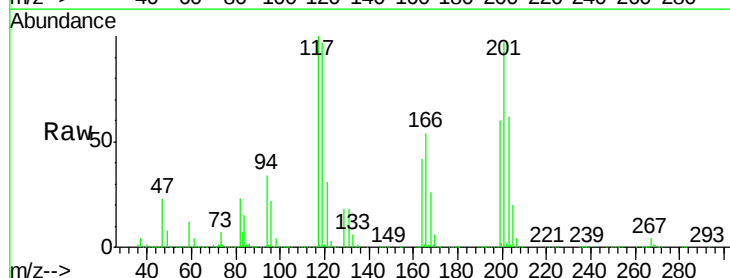
Acq: 11 Mar 2019 12:22

Tgt Ion: 117 Resp: 2087111

Ion Ratio Lower Upper

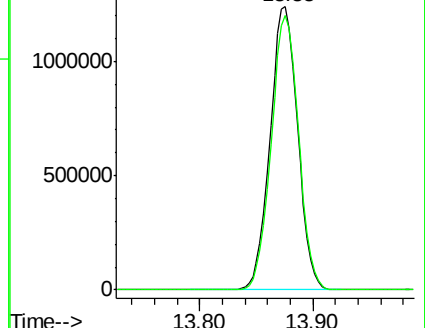
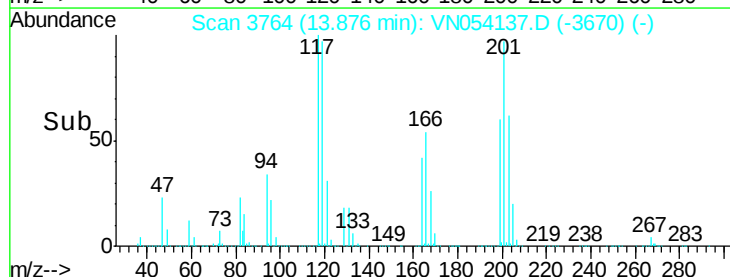
117 100

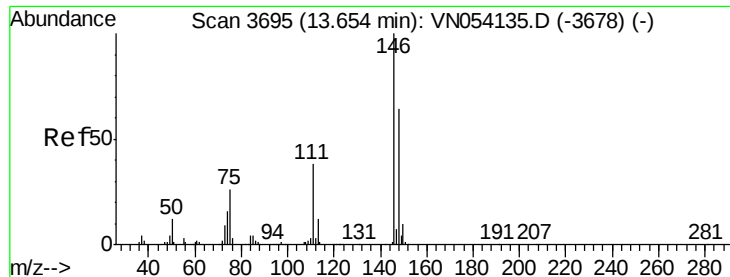
201 96.0 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): VN054137.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054137.D (-3748) (-)

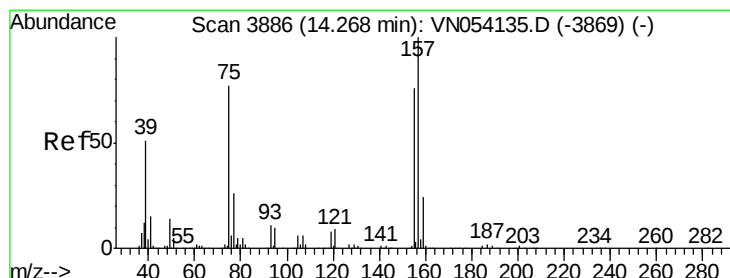
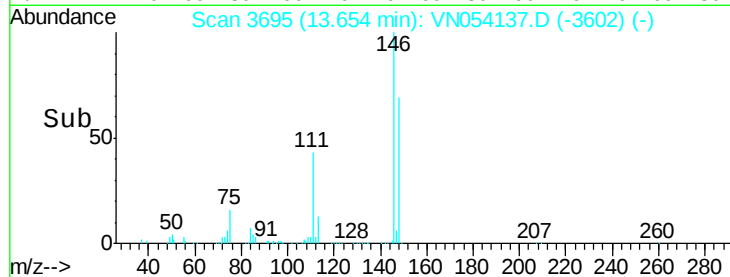
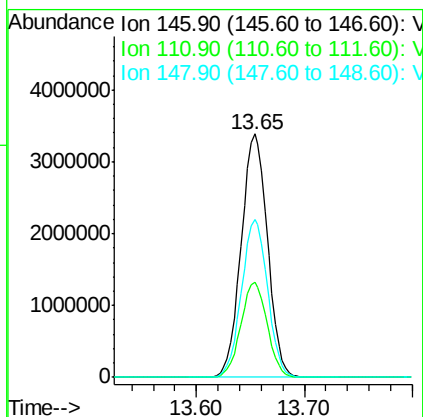
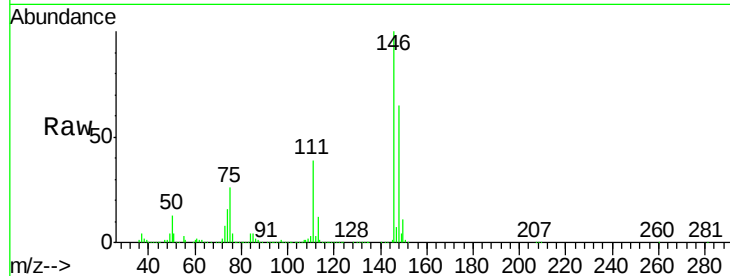




#91
 1,2-Dichlorobenzene
 Concen: 142.272 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

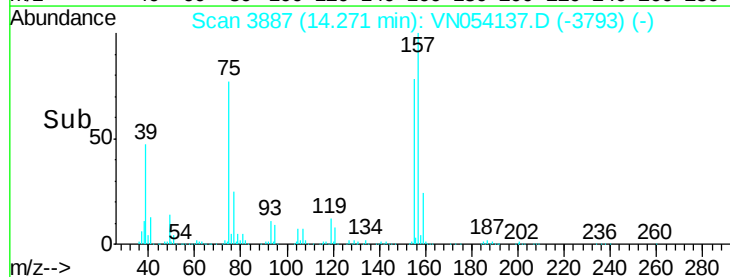
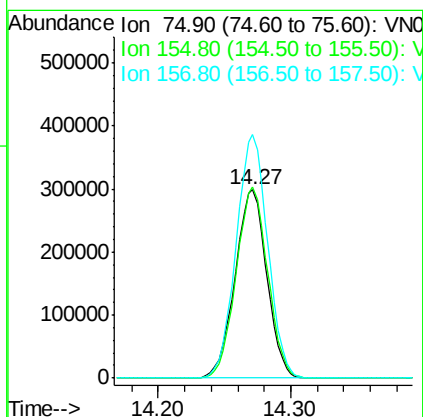
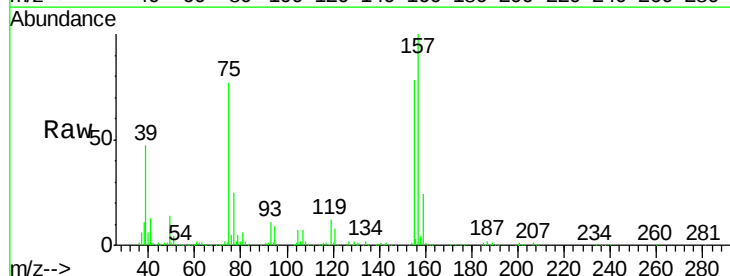
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

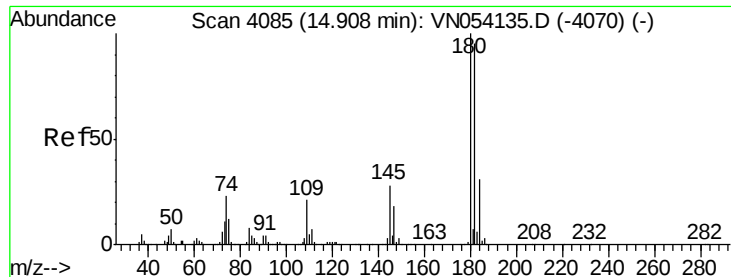
Tot Ion:146 Resp: 5751272
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.0 60.0
 148 64.4 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 140.440 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

Tgt Ion: 75 Resp: 495308
 Ion Ratio Lower Upper
 75 100
 155 100.8 44.5 133.5
 157 129.1 57.2 171.6

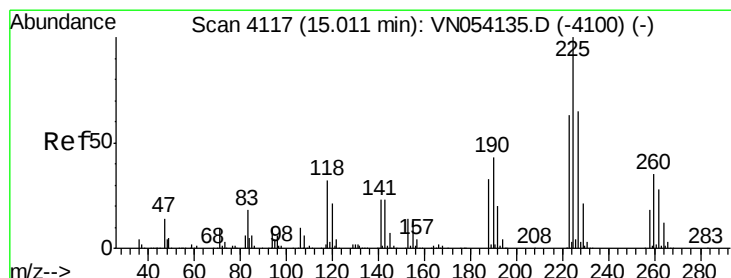
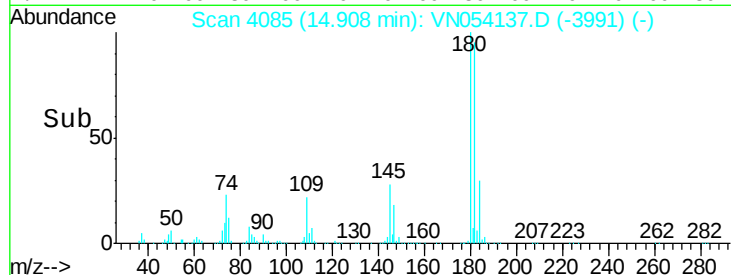
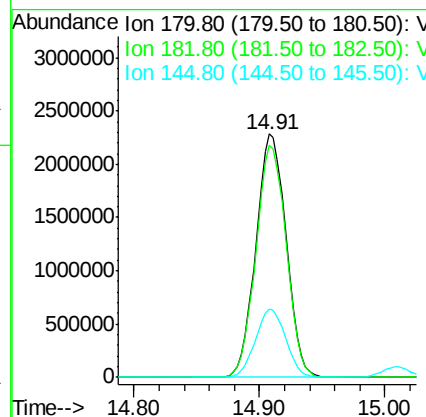
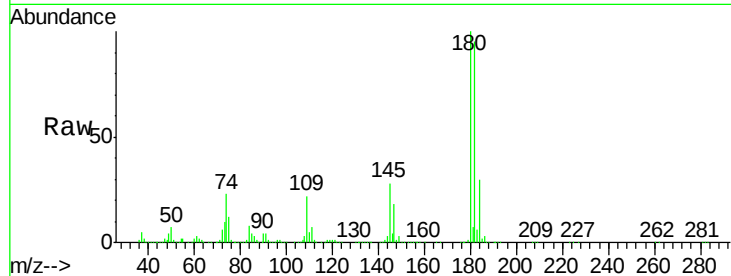




#93
 1,2,4-Trichlorobenzene
 Concen: 182.852 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

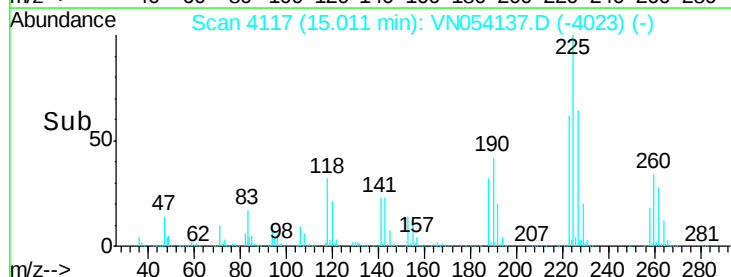
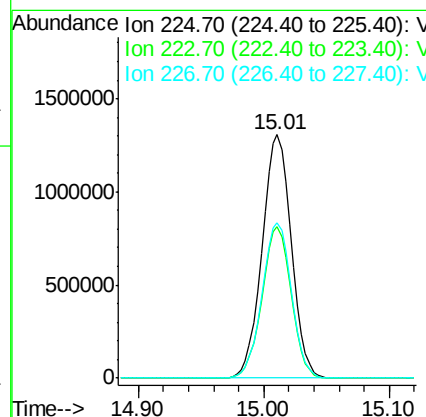
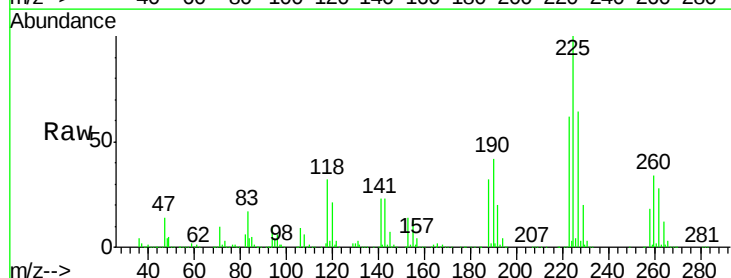
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

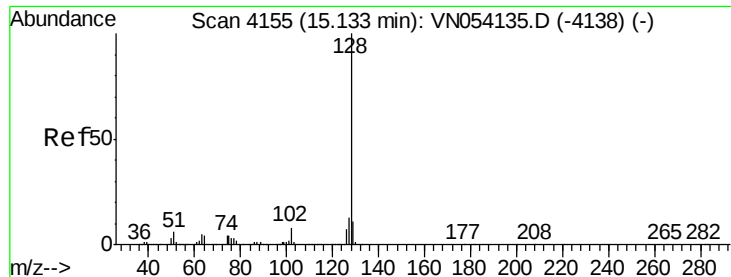
Tot Ion:180 Resp: 3834075
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.1 144.3
 145 28.2 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 132.037 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054137.D
 Acq: 11 Mar 2019 12:22

Tgt Ion:225 Resp: 2110926
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.2 93.6
 227 64.3 31.9 95.7





#95

Naphthalene

Concen: 183.691 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Instrument :

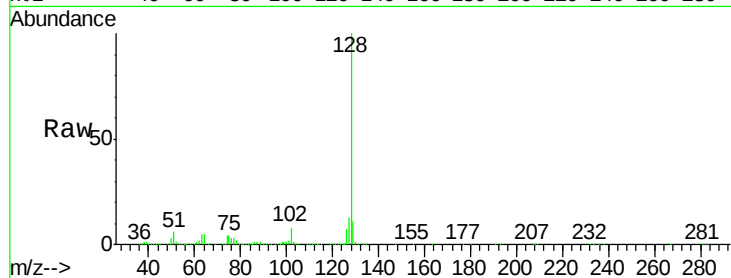
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 8172016

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	12.8

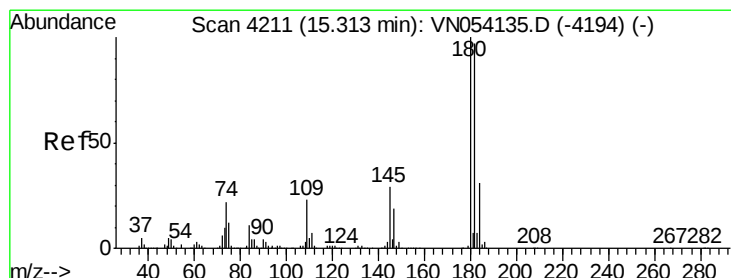
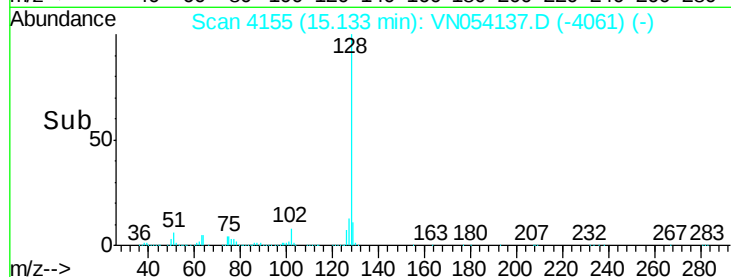
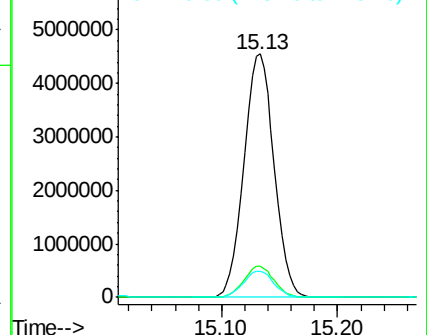


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 172.201 ug/l

RT: 15.31 min Scan# 4211

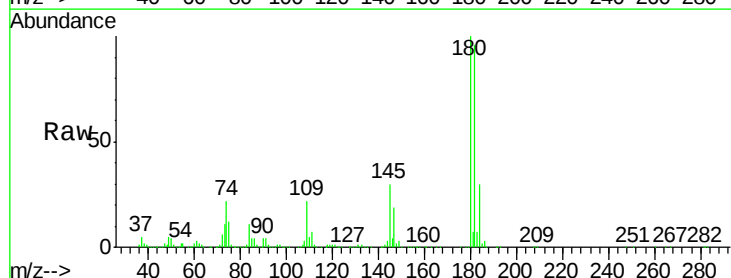
Delta R.T. 0.00 min

Lab File: VN054137.D

Acq: 11 Mar 2019 12:22

Tgt Ion:180 Resp: 3658582

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	29.9	14.9	44.5



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

