

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
 Data File : VN057254.D
 Acq On : 13 Aug 2019 18:36
 Operator : JC/SP
 Sample : VN0813WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Quant Time: Aug 14 06:31:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1258110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1853581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1652060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	589928	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	622544	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	7.58	113	557740	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
50) Toluene-d8	10.09	98	2126899	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	668953	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	200549	18.910	ug/l	98
3) Chloromethane	2.05	50	232327	19.323	ug/l	99
4) Vinyl Chloride	2.18	62	228676	19.580	ug/l	100
5) Bromomethane	2.54	94	166261	20.199	ug/l	98
6) Chloroethane	2.69	64	155435	20.655	ug/l	98
7) Trichlorofluoromethane	3.02	101	352809	19.200	ug/l	99
8) Diethyl Ether	3.41	74	129635	19.468	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	216336	19.606	ug/l	99
10) Methyl Iodide	3.95	142	331602	19.346	ug/l	99
11) Tert butyl alcohol	4.76	59	170521	99.770	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	216987	19.820	ug/l	98
13) Acrolein	3.60	56	116091	94.939	ug/l	98
14) Allyl chloride	4.32	41	322787	19.436	ug/l	100
15) Acrylonitrile	4.97	53	488149	101.379	ug/l	100
16) Acetone	3.81	43	381020	87.567	ug/l	99
17) Carbon Disulfide	4.05	76	559554	18.698	ug/l	99
18) Methyl Acetate	4.31	43	236114	20.360	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	643637	19.689	ug/l	99
20) Methylene Chloride	4.54	84	242978	19.116	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	229346	19.652	ug/l	99
22) Diisopropyl ether	5.94	45	649715	19.897	ug/l	100
23) Vinyl Acetate	5.88	43	2598173	100.410	ug/l	100
24) 1,1-Dichloroethane	5.84	63	395482	19.224	ug/l	98
25) 2-Butanone	6.82	43	603405	97.539	ug/l	99
26) 2,2-Dichloropropane	6.81	77	302453	17.919	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	260745	19.375	ug/l	100
28) Bromochloromethane	7.19	49	180644	19.899	ug/l	100
29) Tetrahydrofuran	7.20	42	400368	101.238	ug/l	99
30) Chloroform	7.36	83	413897	19.260	ug/l	98
31) Cyclohexane	7.65	56	350030	19.468	ug/l	93
32) 1,1,1-Trichloroethane	7.56	97	356528	19.613	ug/l	100
36) 1,1-Dichloropropene	7.79	75	306856	18.935	ug/l	99
37) Ethyl Acetate	6.91	43	264547	20.310	ug/l	97
38) Carbon Tetrachloride	7.77	117	320515	18.619	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	364659	19.006	ug/l	99
40) Benzene	8.04	78	949494	19.286	ug/l	99
41) Methacrylonitrile	7.20	41	365136	68.118	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	304531	19.303	ug/l	100
43) Isopropyl Acetate	8.16	43	427015	19.906	ug/l	100
44) Trichloroethene	8.83	130	269216	18.864	ug/l	98
45) 1,2-Dichloropropane	9.11	63	245142	19.655	ug/l	98
46) Dibromomethane	9.20	93	161628	19.220	ug/l	98
47) Bromodichloromethane	9.40	83	315469	19.457	ug/l	99
48) Methyl methacrylate	9.19	41	204553	20.608	ug/l	98
49) 1,4-Dioxane	9.19	88	88453	395.435	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1264191	100.361	ug/l	100
52) Toluene	10.15	92	597134	19.523	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	338318	19.508	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	376884	19.283	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	232101	19.414	ug/l	99
56) Ethyl methacrylate	10.43	69	332062	19.798	ug/l	99
57) 1,3-Dichloropropane	10.71	76	383863	19.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	383264	92.276	ug/l	100
59) 2-Hexanone	10.75	43	877537	98.187	ug/l	99
60) Dibromochloromethane	10.90	129	254259	18.965	ug/l	97
61) 1,2-Dibromoethane	11.00	107	246856	19.889	ug/l	99
64) Tetrachloroethene	10.63	164	283595	19.435	ug/l	96
65) Chlorobenzene	11.43	112	637765	18.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	251185	19.241	ug/l	100
67) Ethyl Benzene	11.51	91	1107429	19.189	ug/l	99
68) m/p-Xylenes	11.62	106	825676	38.345	ug/l	99
69) o-Xylene	11.95	106	402466	19.089	ug/l	100
70) Styrene	11.96	104	631352	19.342	ug/l	99
71) Bromoform	12.13	173	192479	19.242	ug/l #	100
73) Isopropylbenzene	12.25	105	1093779	22.431	ug/l	99
74) N-amyl acetate	12.07	43	305874	21.459	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	308609	22.816	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	372101	34.984	ug/l #	100
77) Bromobenzene	12.53	156	286051	22.001	ug/l	96
78) n-propylbenzene	12.59	91	1071951	20.980	ug/l	100
79) 2-Chlorotoluene	12.67	91	684864	21.625	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	888568	21.799	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	89966	20.484	ug/l	99
82) 4-Chlorotoluene	12.77	91	627222	19.495	ug/l	99
83) tert-Butylbenzene	12.99	119	790616	21.525	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	818174	19.695	ug/l	100
85) sec-Butylbenzene	13.17	105	938661	20.744	ug/l	99
86) p-Isopropyltoluene	13.29	119	816698	18.827	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	390541	19.110	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	366513	18.439	ug/l	100
89) n-Butylbenzene	13.62	91	601419	19.766	ug/l	99
90) Hexachloroethane	13.88	117	160999	21.274	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	382519	19.197	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38613	19.595	ug/l	94

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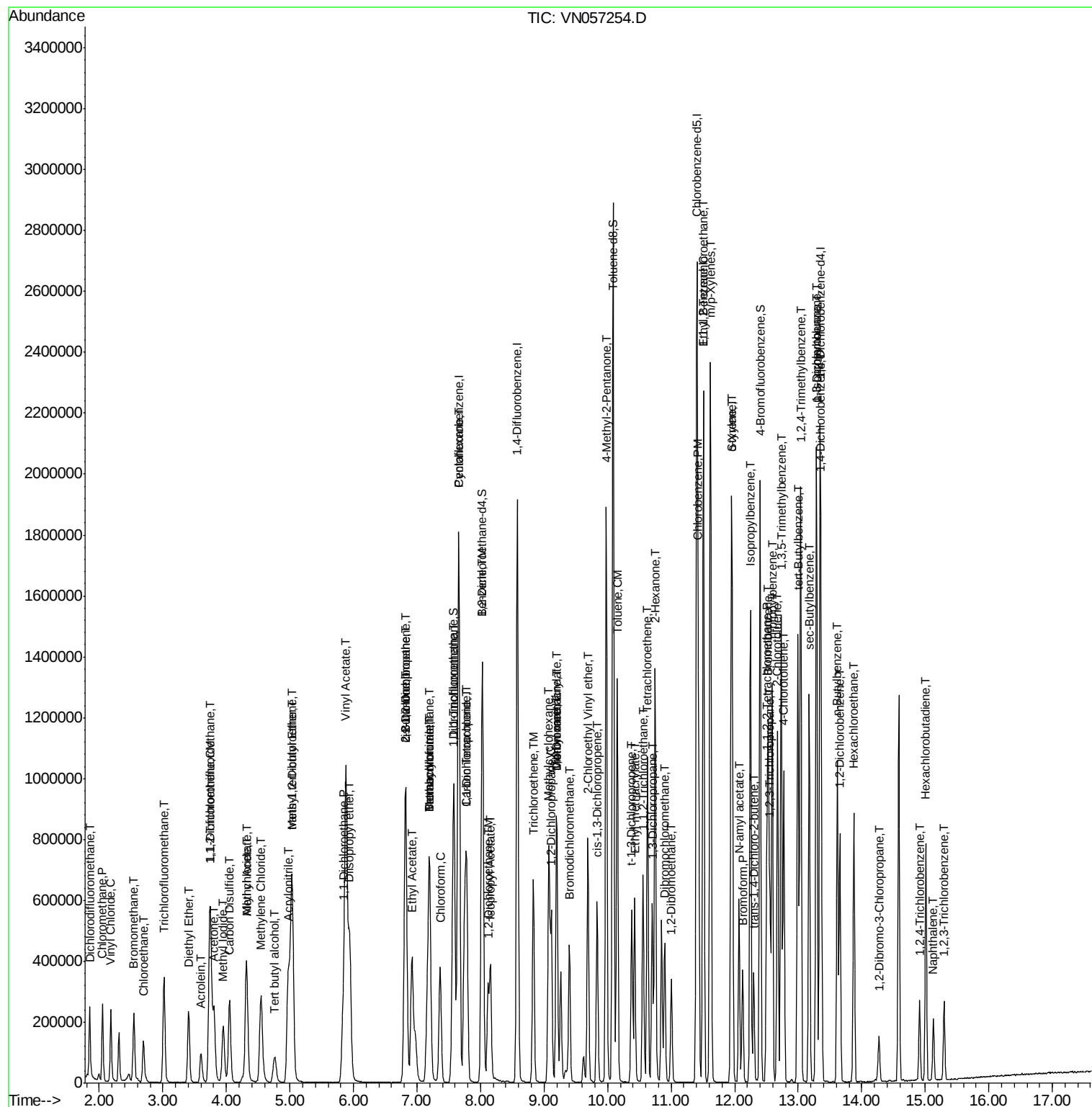
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95743	14.775	ug/l	98
94) Hexachlorobutadiene	15.01	225	170302	20.003	ug/l	99
95) Naphthalene	15.13	128	180197	17.760	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	96390	16.884	ug/l	95

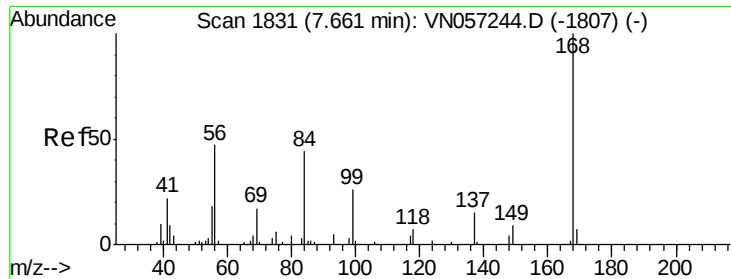
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

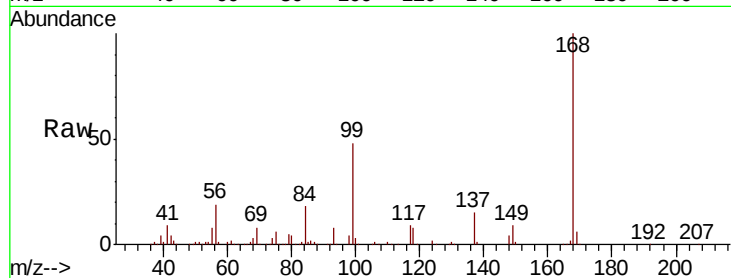
VN0813WBSD01

Tgt Ion:168 Resp: 1258110

Ion Ratio Lower Upper

168 100

99 48.2 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): VN057244.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN057244.D (-1807) (-)

7.66

600000

500000

400000

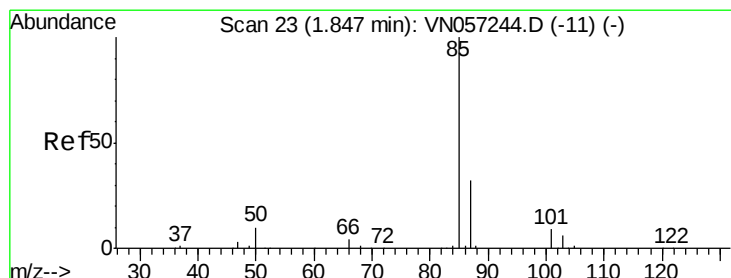
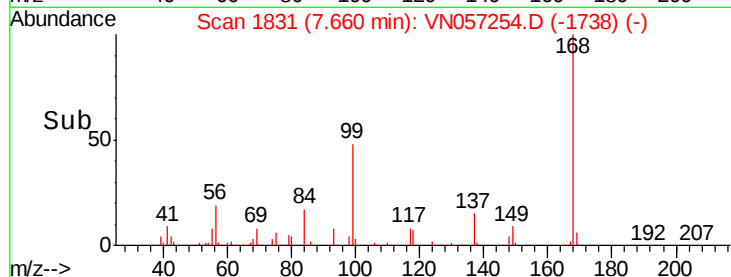
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.910 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057254.D

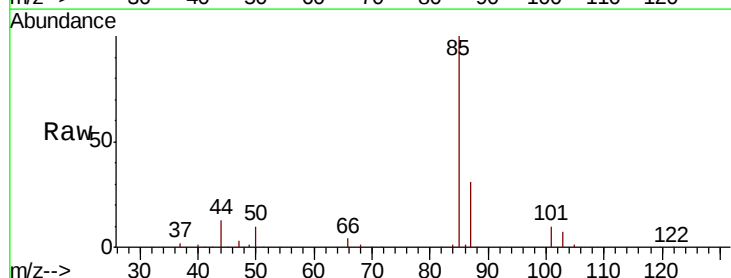
Acq: 13 Aug 2019 18:36

Tgt Ion: 85 Resp: 200549

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN057244.D (-11) (-)

Ion 86.90 (86.60 to 87.60): VN057244.D (-11) (-)

1.85

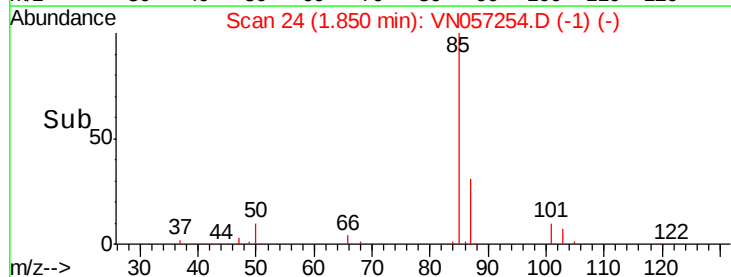
150000

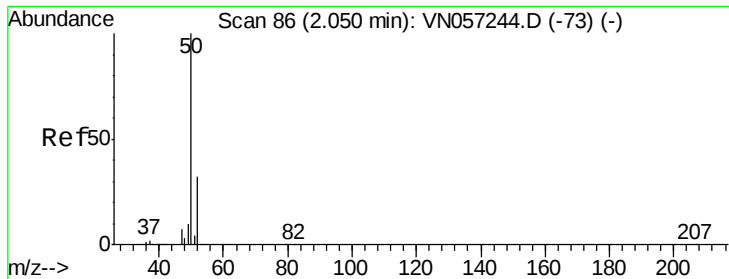
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.323 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

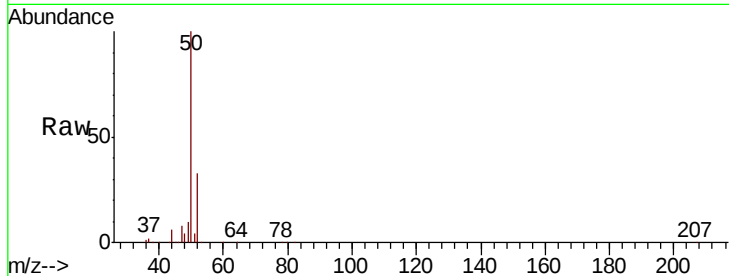
VN0813WBSD01

Tgt Ion: 50 Resp: 232327

Ion Ratio Lower Upper

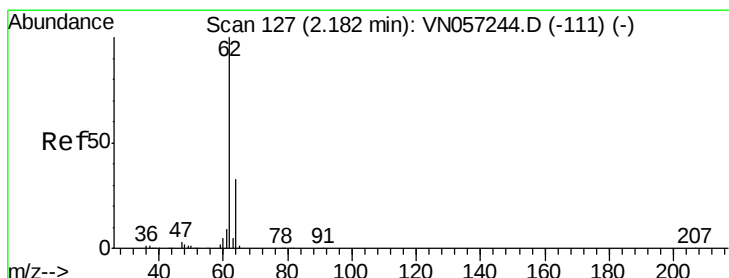
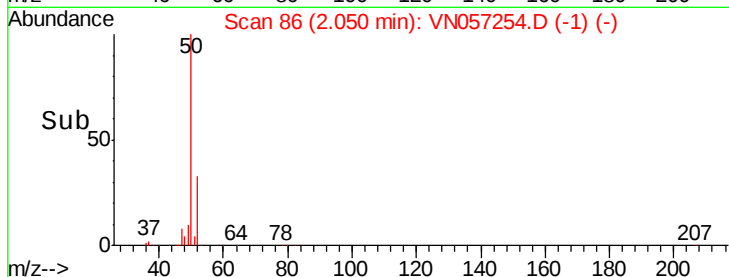
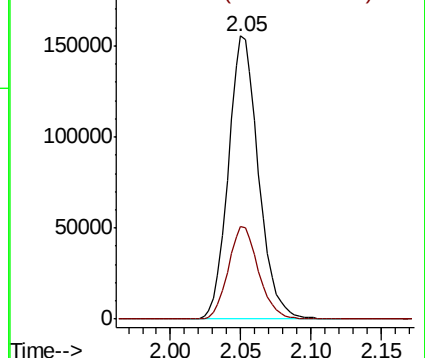
50 100

52 32.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.580 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057254.D

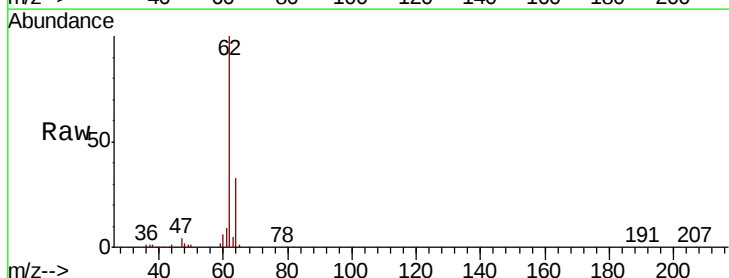
Acq: 13 Aug 2019 18:36

Tgt Ion: 62 Resp: 228676

Ion Ratio Lower Upper

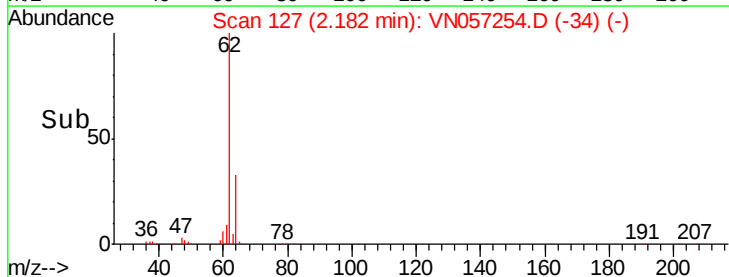
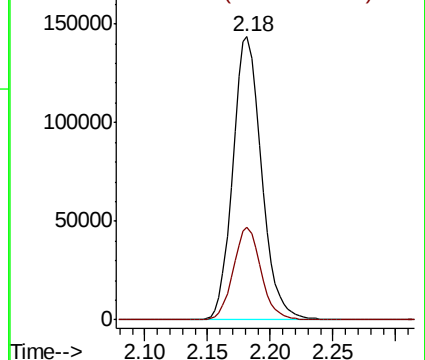
62 100

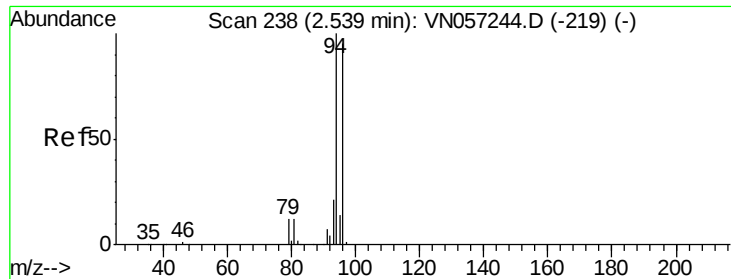
64 32.9 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.199 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

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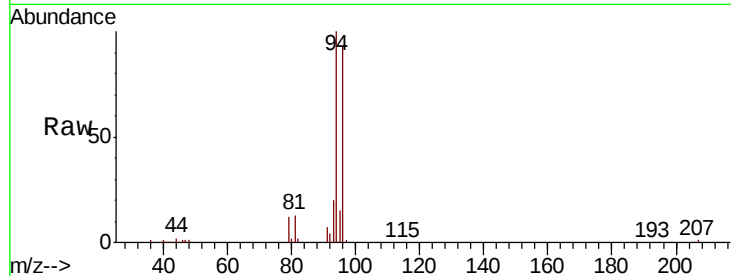
VN0813WBSD01

Tgt Ion: 94 Resp: 166261

Ion Ratio Lower Upper

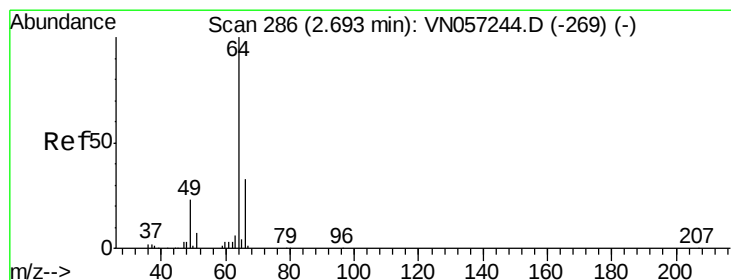
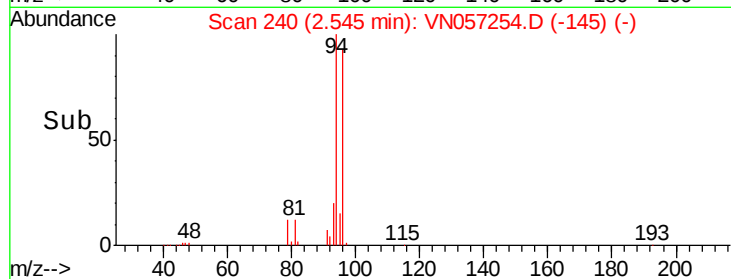
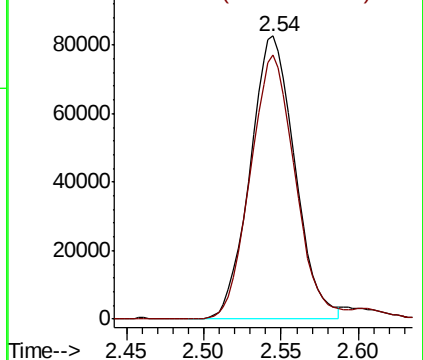
94 100

96 93.1 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.655 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN057254.D

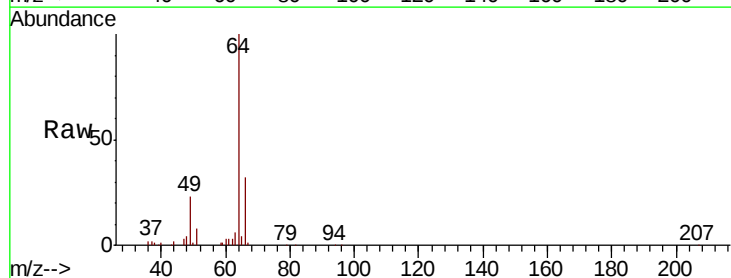
Acq: 13 Aug 2019 18:36

Tgt Ion: 64 Resp: 155435

Ion Ratio Lower Upper

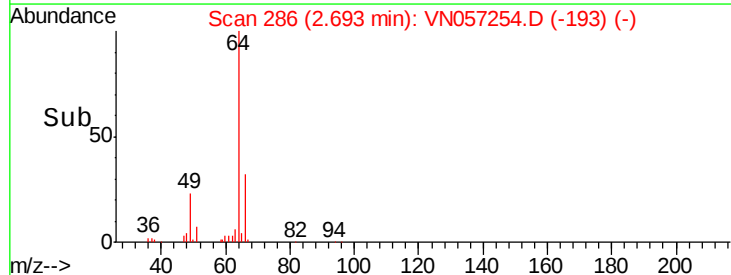
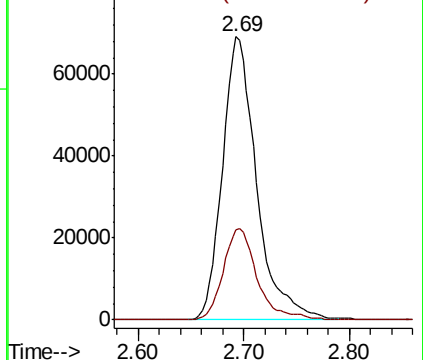
64 100

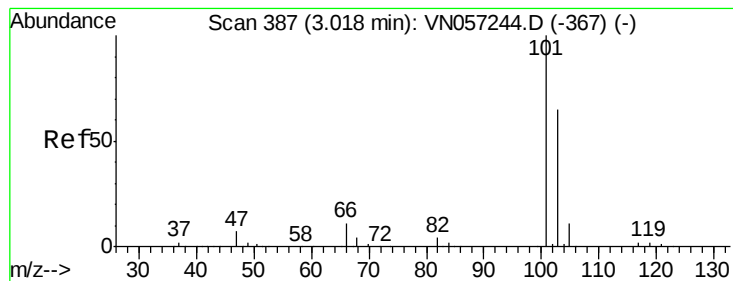
66 31.7 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



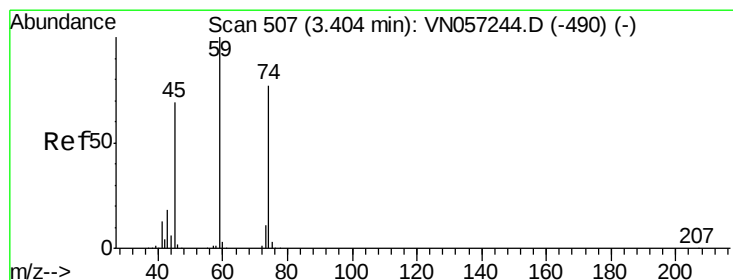
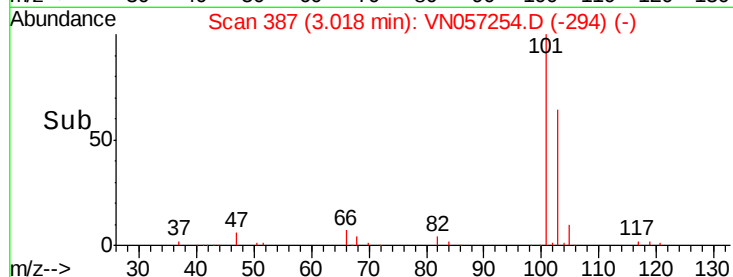
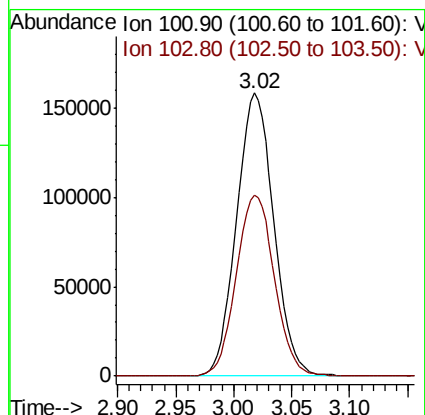
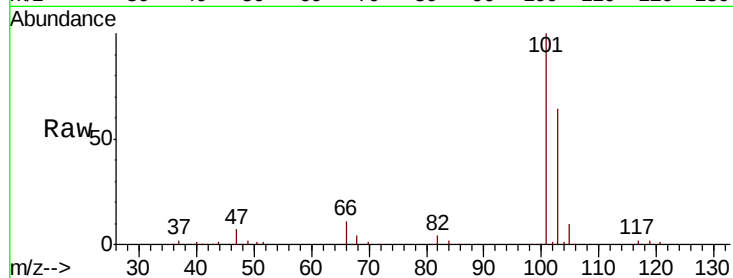


#7

Trichlorofluoromethane
 Concen: 19.200 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
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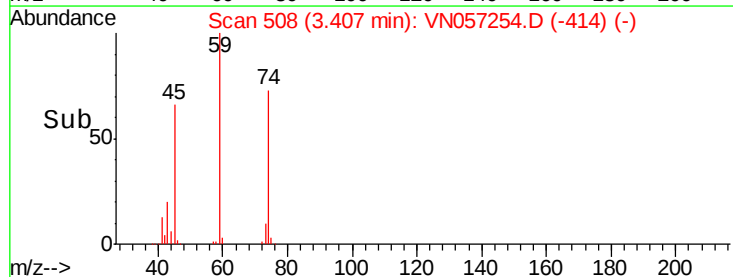
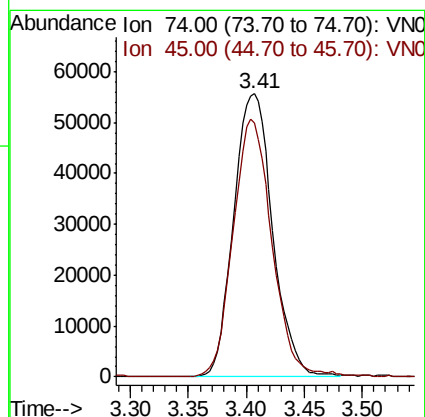
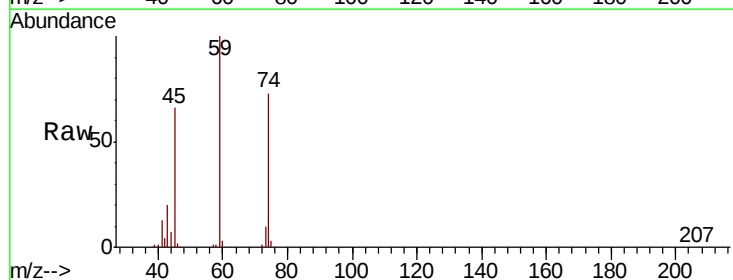
Tgt Ion: 101 Resp: 352809
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.8 77.6

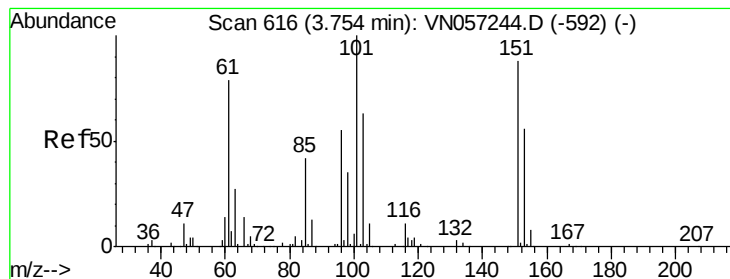


#8

Diethyl Ether
 Concen: 19.468 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion: 74 Resp: 129635
 Ion Ratio Lower Upper
 74 100
 45 90.9 45.1 135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.606 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

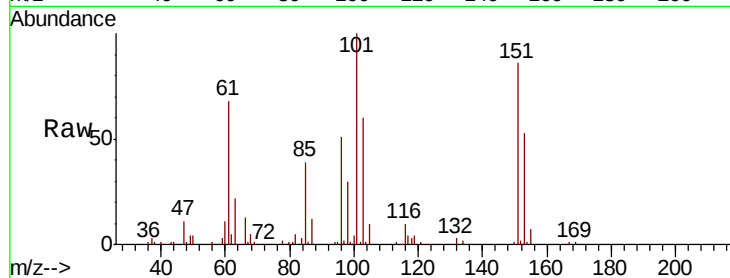
Tgt Ion:101 Resp: 216336

Ion Ratio Lower Upper

101 100

85 40.7 32.7 49.1

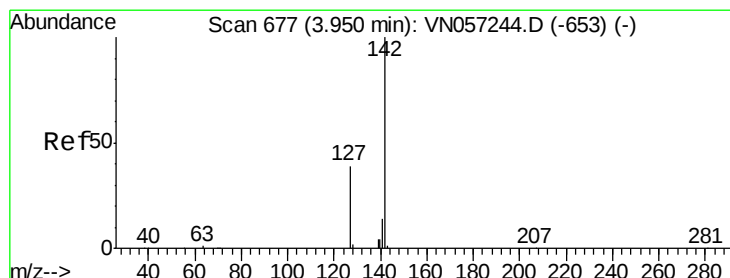
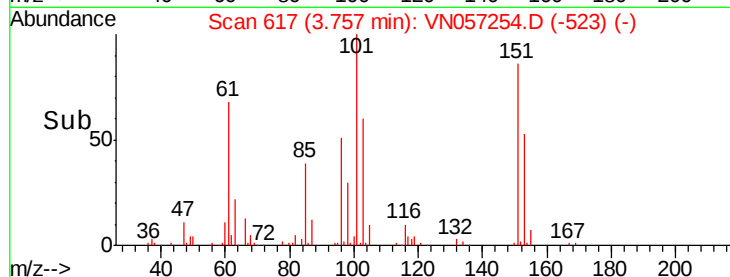
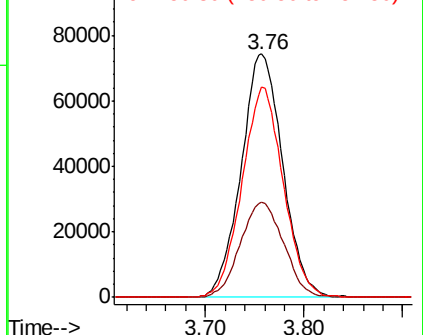
151 85.7 70.1 105.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.346 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

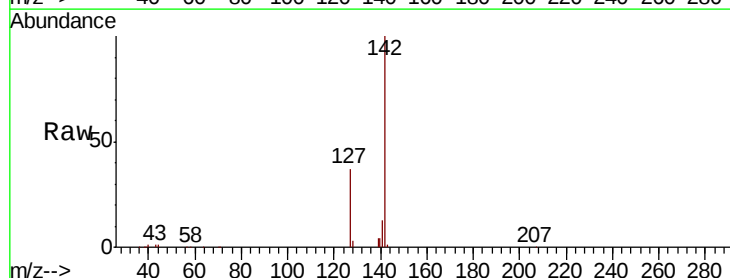
Tgt Ion:142 Resp: 331602

Ion Ratio Lower Upper

142 100

127 37.8 30.7 46.1

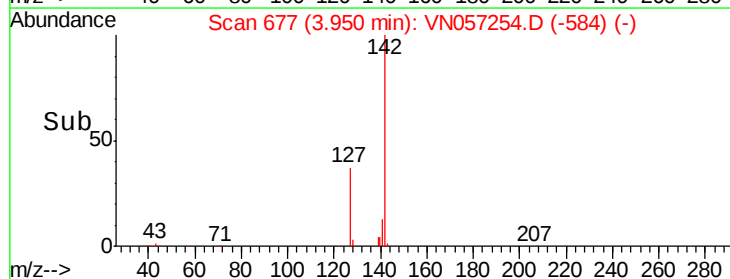
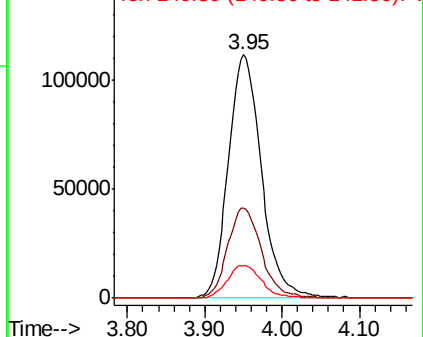
141 13.9 11.0 16.6

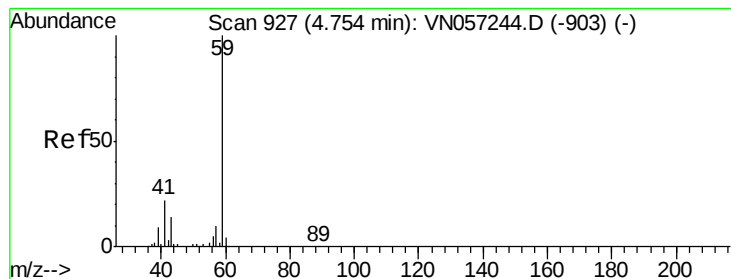


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



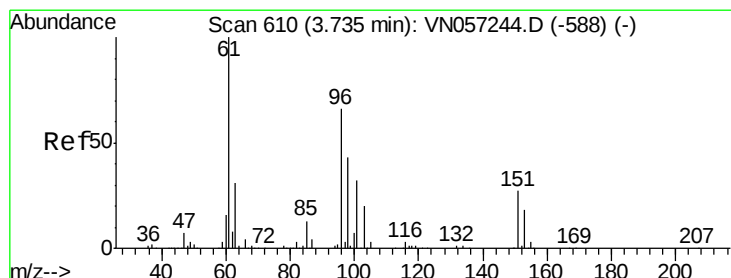
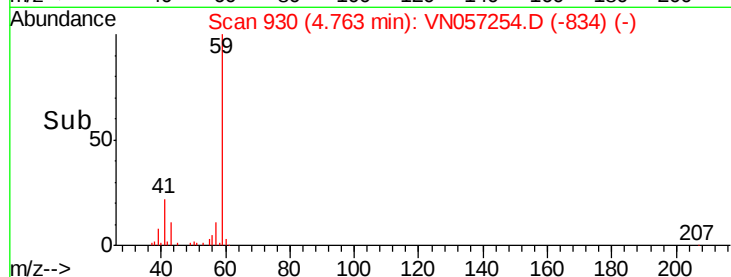
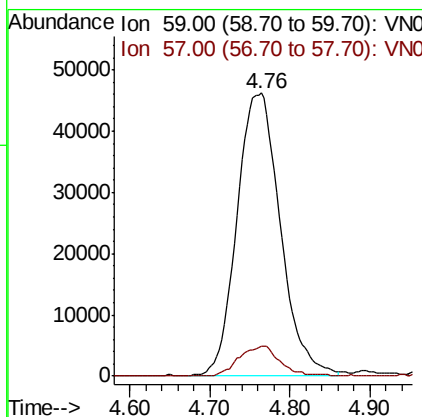
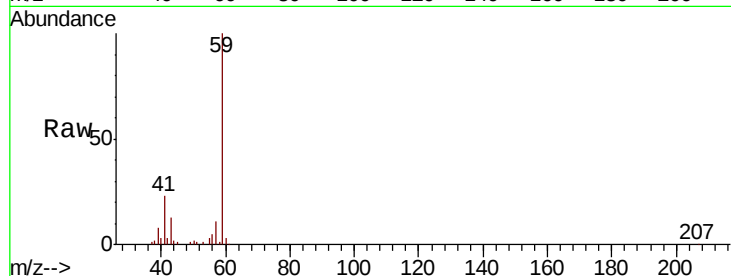


#11

Tert butyl alcohol
 Concen: 99.770 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

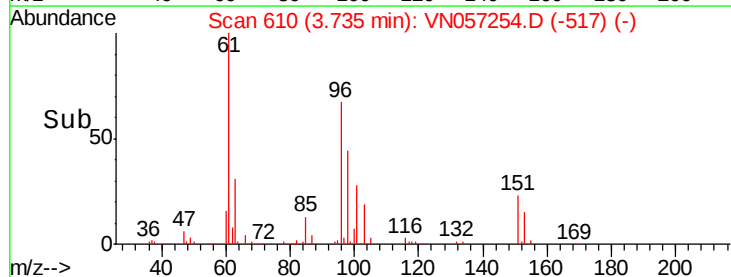
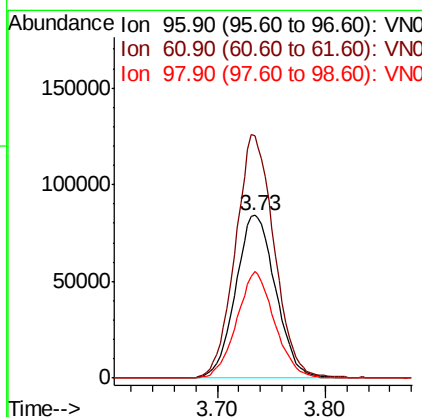
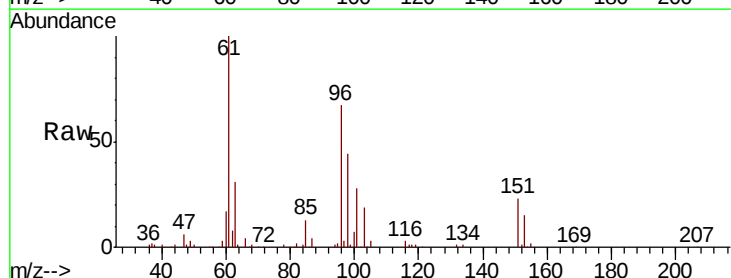
Tgt Ion: 59 Resp: 170521
 Ion Ratio Lower Upper
 59 100
 57 9.8 3.4 5.2#

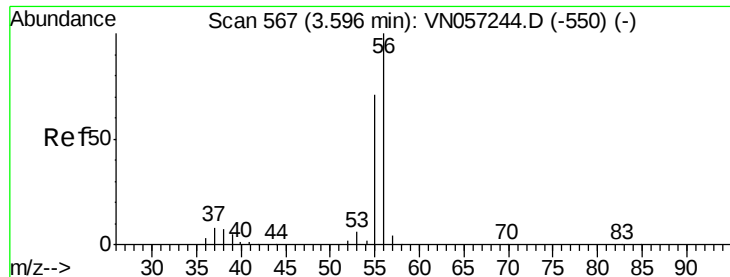


#12

1,1-Dichloroethene
 Concen: 19.820 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion: 96 Resp: 216987
 Ion Ratio Lower Upper
 96 100
 61 148.9 121.1 181.7
 98 66.0 52.0 78.0





#13

Acrolein

Concen: 94.939 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

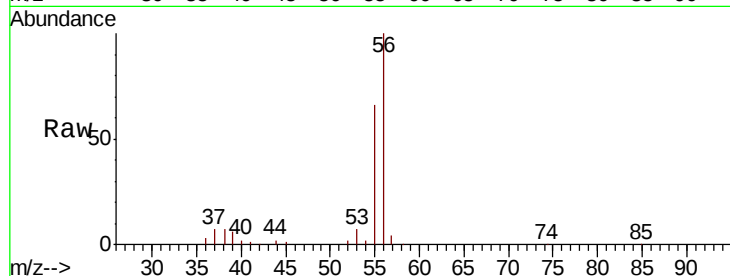
VN0813WBSD01

Tgt Ion: 56 Resp: 116091

Ion Ratio Lower Upper

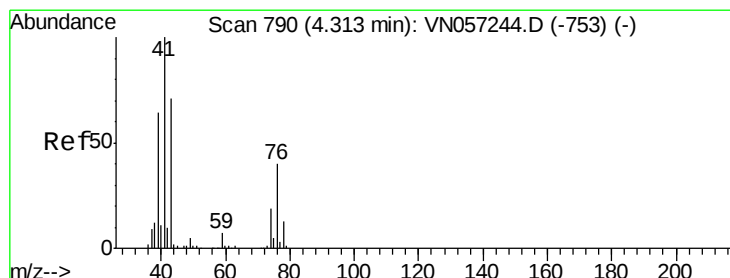
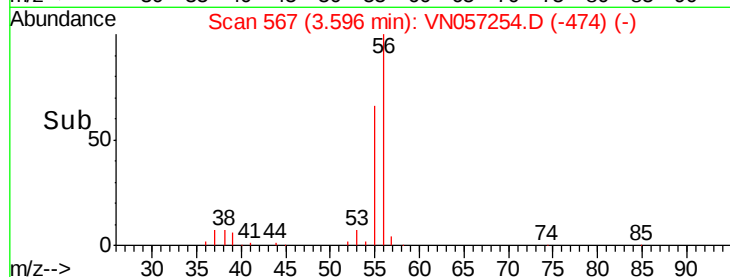
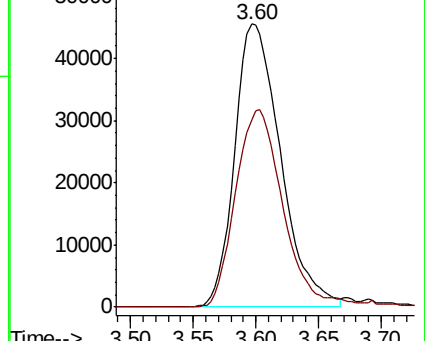
56 100

55 72.0 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.436 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

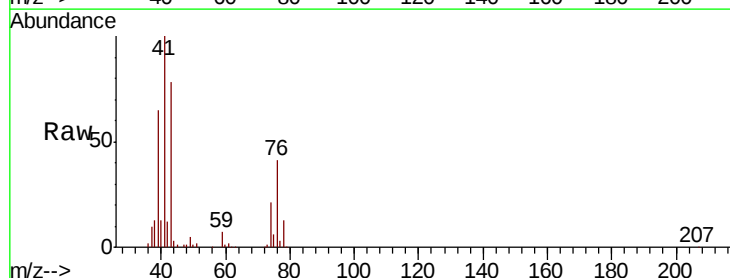
Tgt Ion: 41 Resp: 322787

Ion Ratio Lower Upper

41 100

39 60.7 48.5 72.7

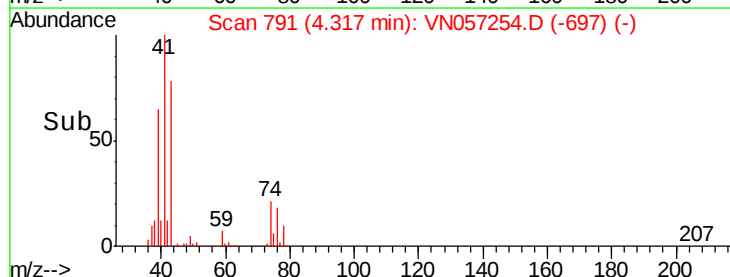
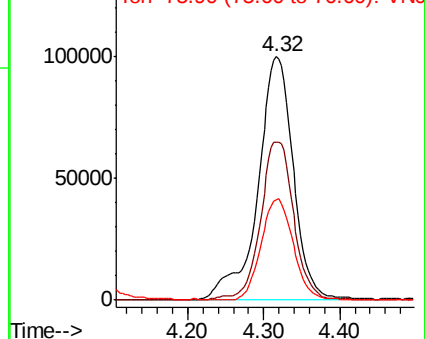
76 37.9 29.8 44.8

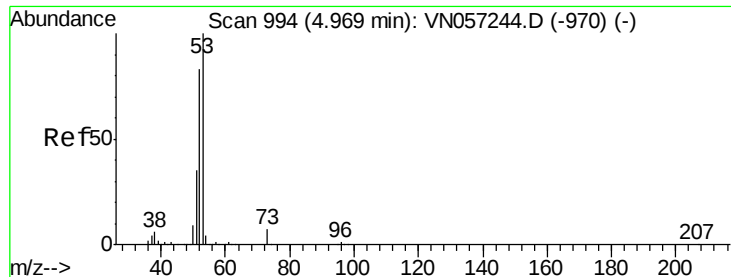


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 101.379 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

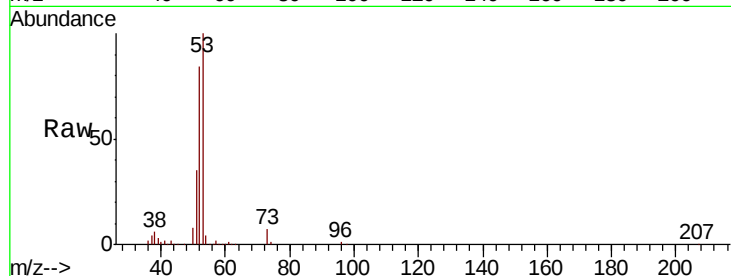
Tgt Ion: 53 Resp: 488149

Ion Ratio Lower Upper

53 100

52 82.8 65.9 98.9

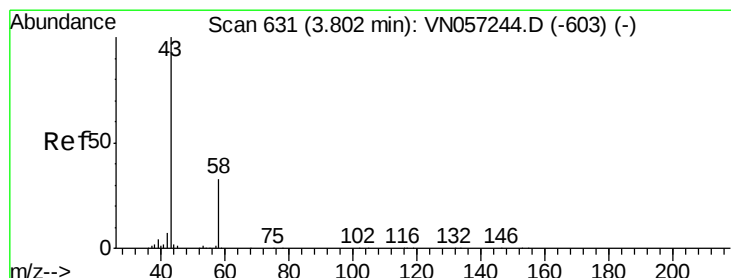
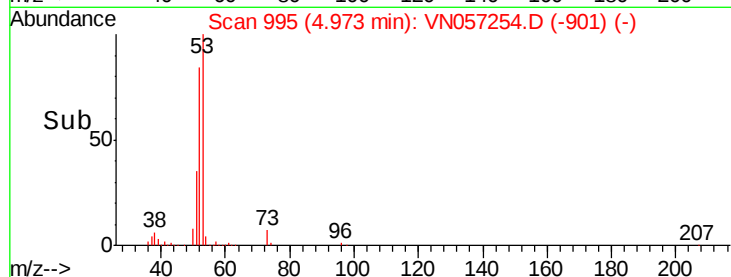
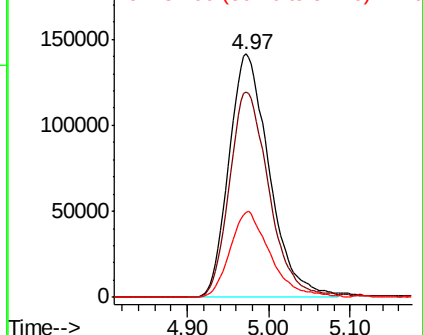
51 35.1 27.8 41.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 87.567 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057254.D

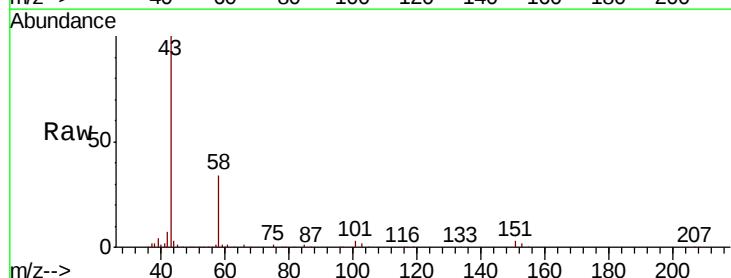
Acq: 13 Aug 2019 18:36

Tgt Ion: 43 Resp: 381020

Ion Ratio Lower Upper

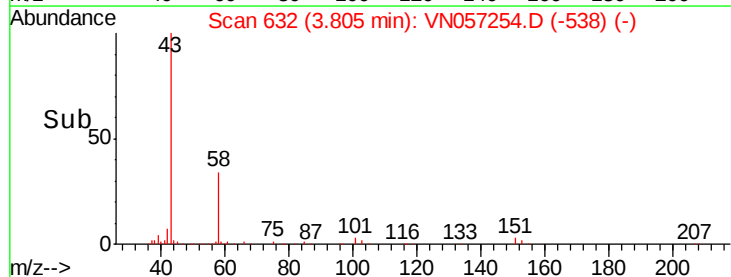
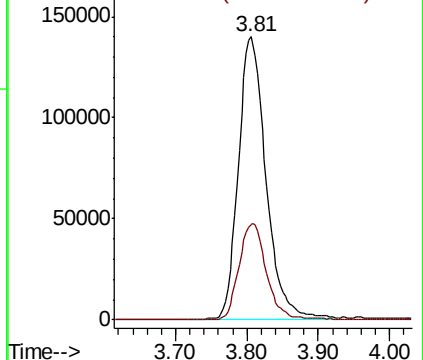
43 100

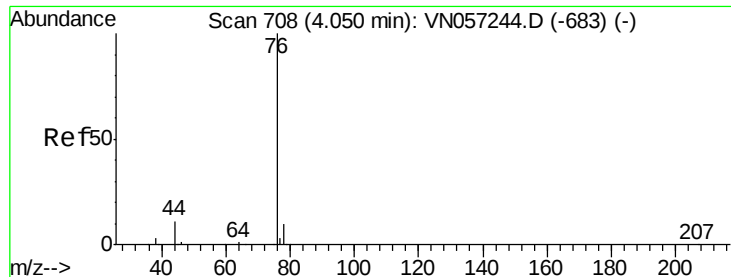
58 33.8 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

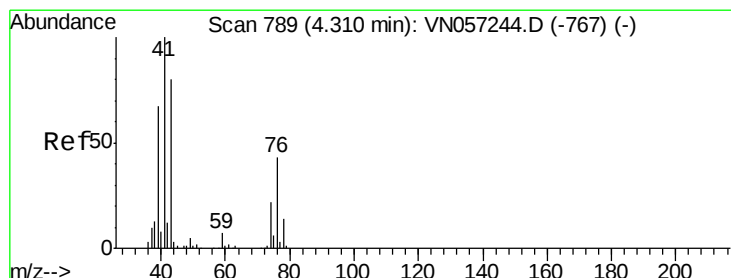
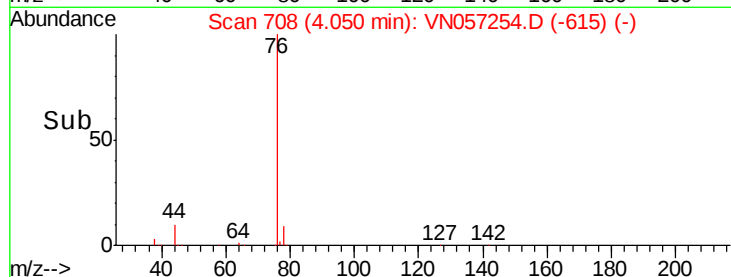
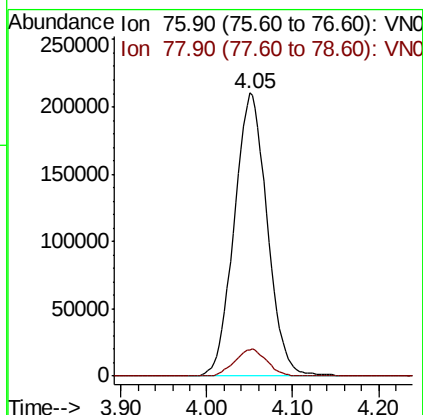
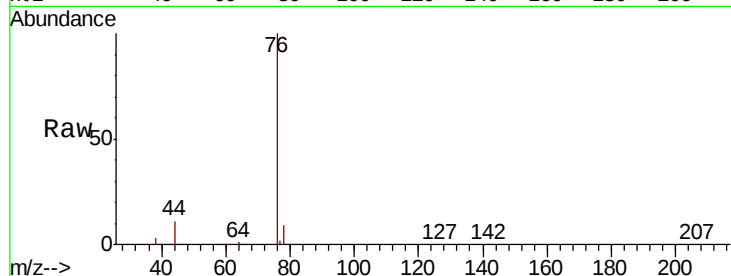




#17
Carbon Disulfide
Concen: 18.698 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

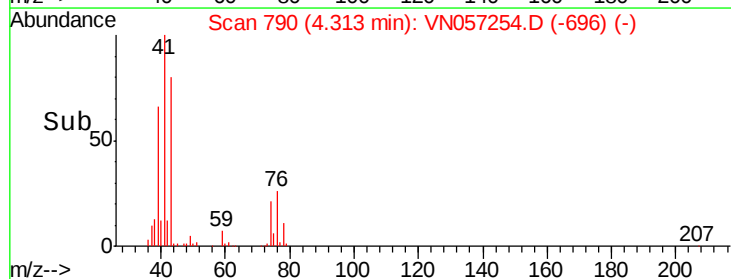
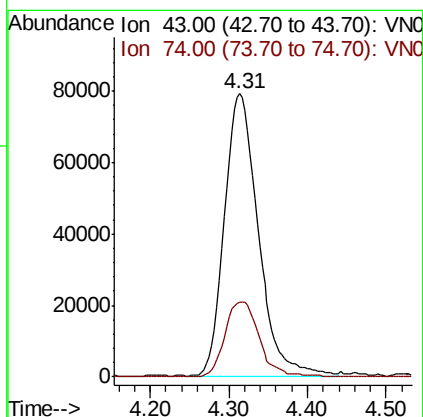
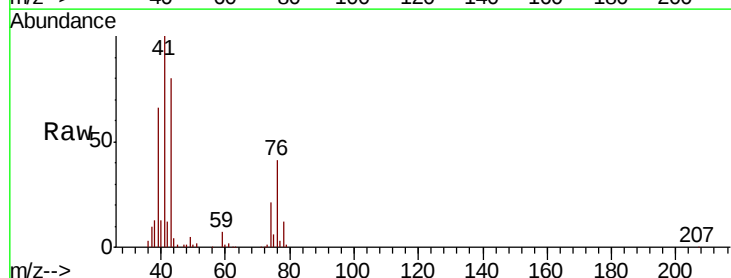
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

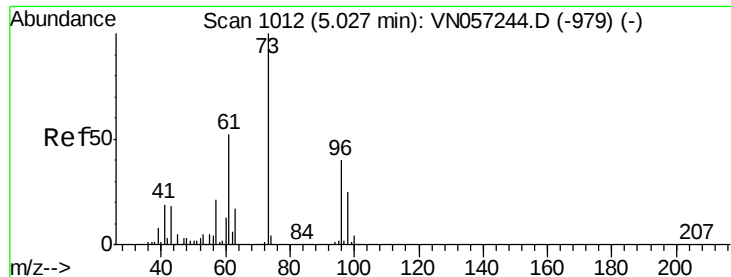
Tgt Ion: 76 Resp: 559554
Ion Ratio Lower Upper
76 100
78 9.4 7.7 11.5



#18
Methyl Acetate
Concen: 20.360 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 43 Resp: 236114
Ion Ratio Lower Upper
43 100
74 27.0 20.6 31.0

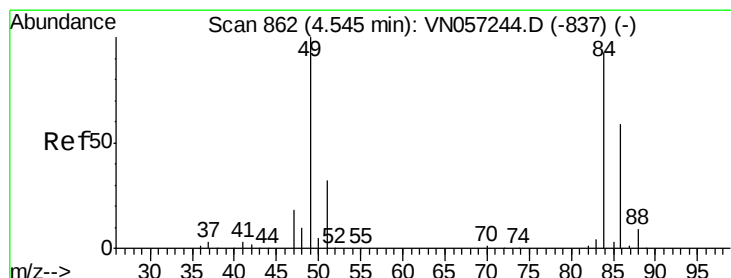
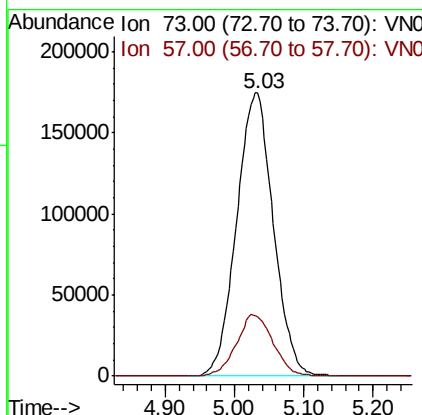
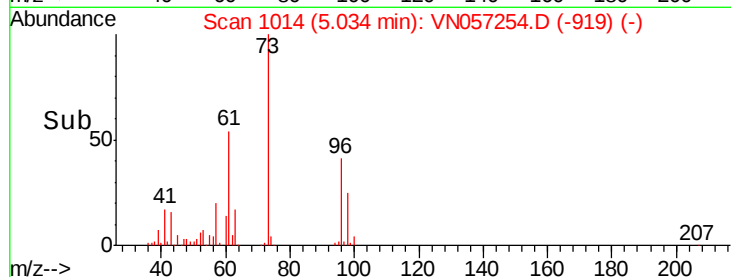
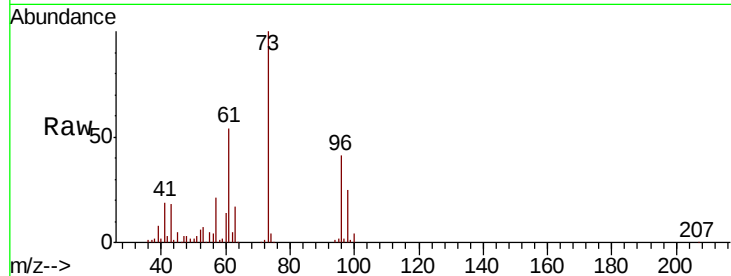




#19
Methyl tert-butyl Ether
Concen: 19.689 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

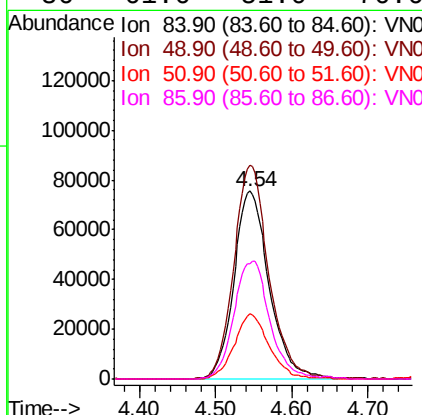
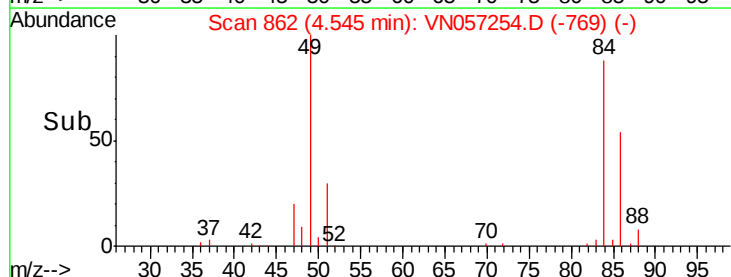
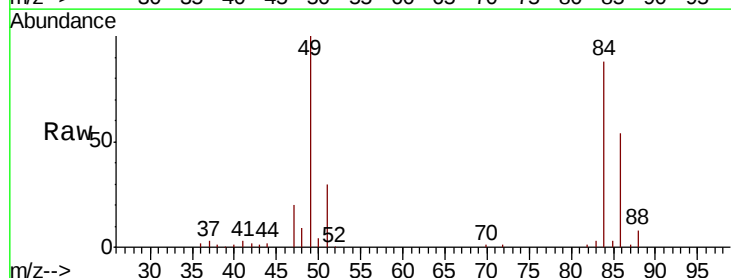
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

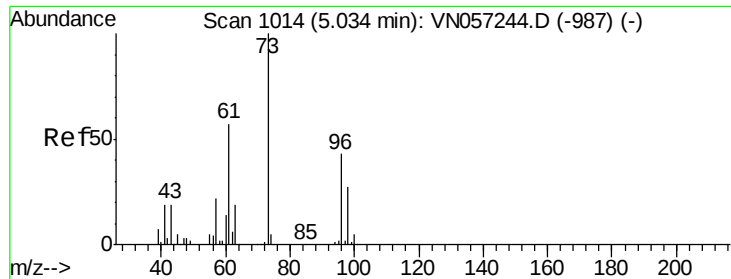
Tgt Ion: 73 Resp: 643637
Ion Ratio Lower Upper
73 100
57 21.0 17.1 25.7



#20
Methylene Chloride
Concen: 19.116 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 84 Resp: 242978
Ion Ratio Lower Upper
84 100
49 113.7 85.9 128.9
51 34.6 27.1 40.7
86 61.6 51.0 76.6

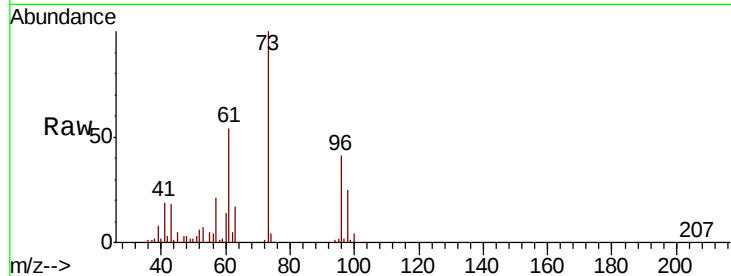




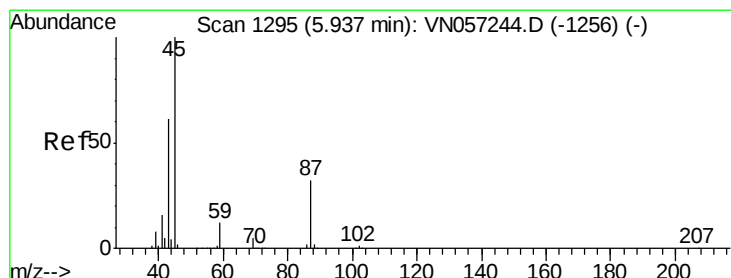
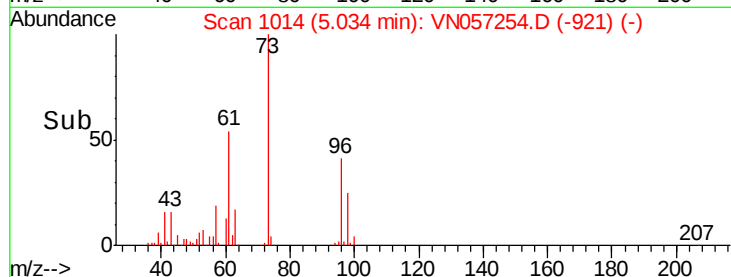
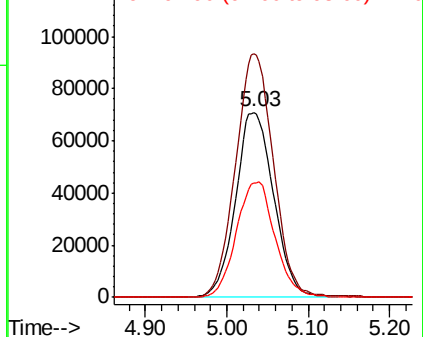
#21
trans-1,2-Dichloroethene
Concen: 19.652 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tgt Ion: 96 Resp: 229346
Ion Ratio Lower Upper
96 100
61 131.7 104.6 156.8
98 61.6 49.7 74.5

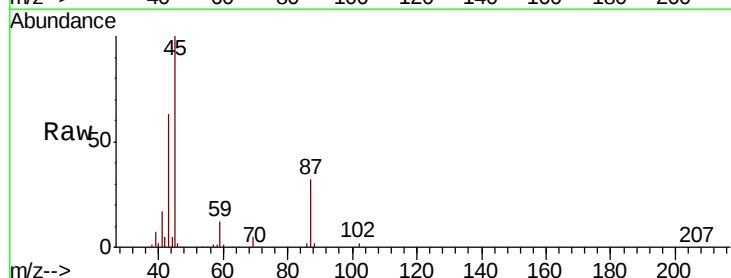


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

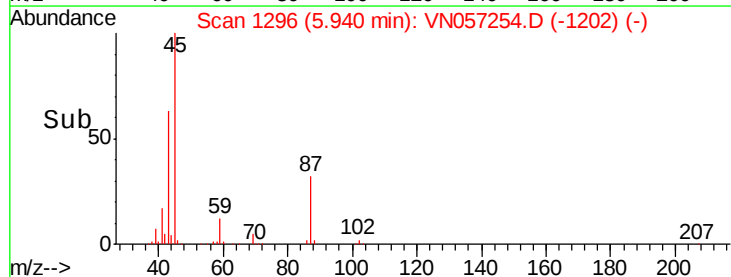
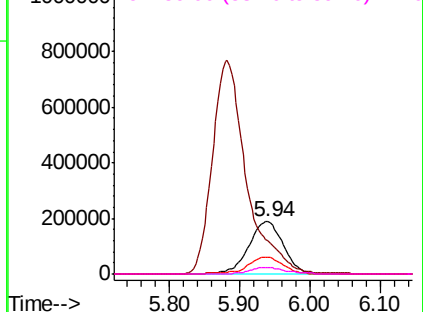


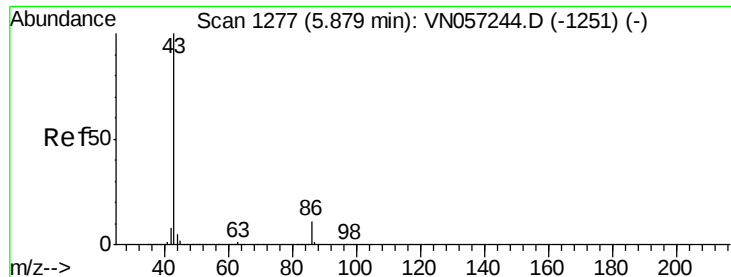
#22
Diisopropyl ether
Concen: 19.897 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 45 Resp: 649715
Ion Ratio Lower Upper
45 100
43 61.2 48.9 73.3
87 32.1 25.5 38.3
59 12.0 9.7 14.5



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





#23

Vinyl Acetate

Concen: 100.410 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

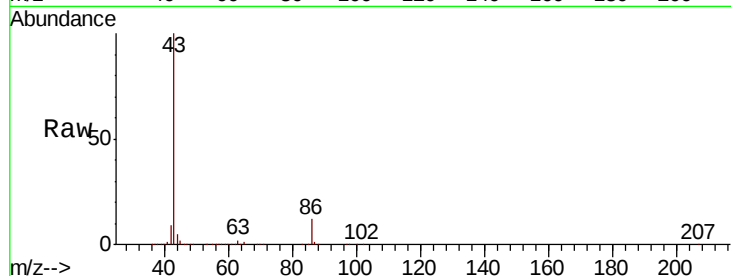
VN0813WBSD01

Tgt Ion: 43 Resp: 2598173

Ion Ratio Lower Upper

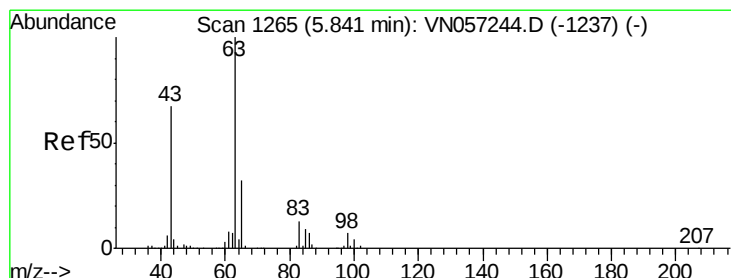
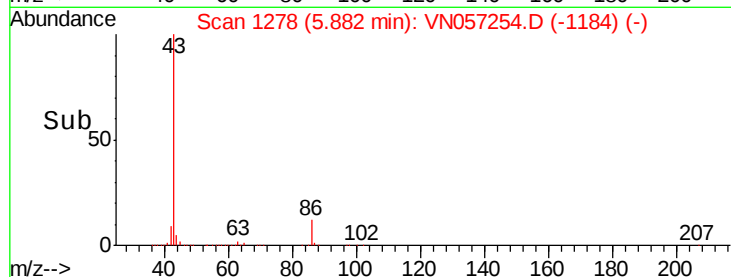
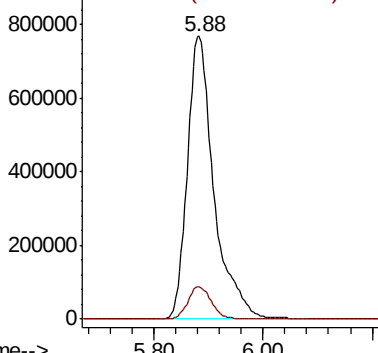
43 100

86 11.6 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.224 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

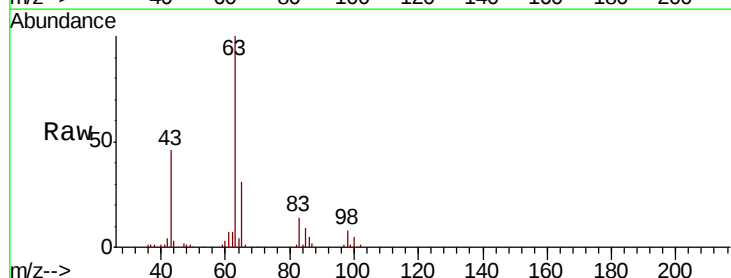
Tgt Ion: 63 Resp: 395482

Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.9

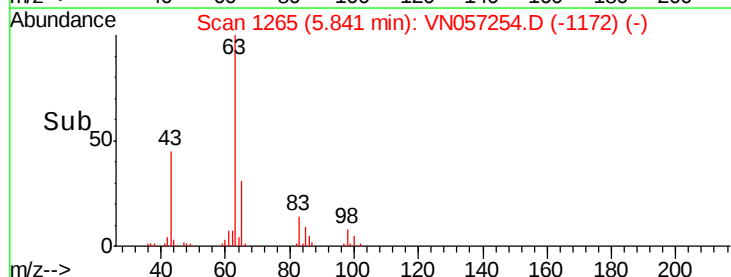
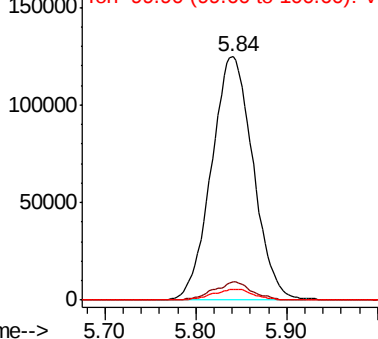
100 4.5 2.1 6.2

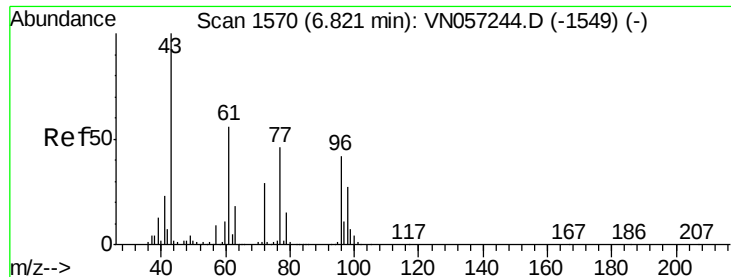


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

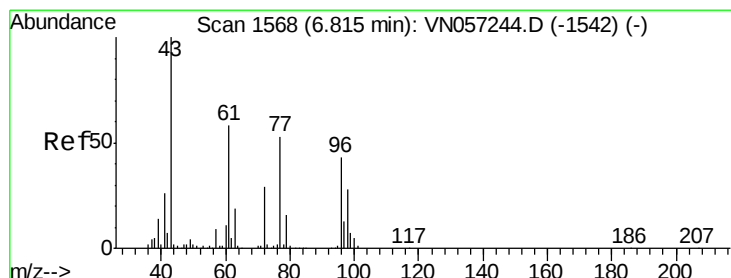
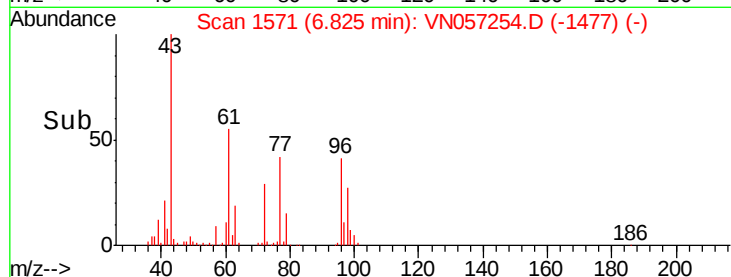
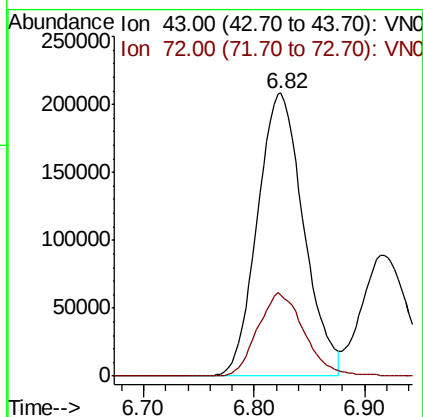
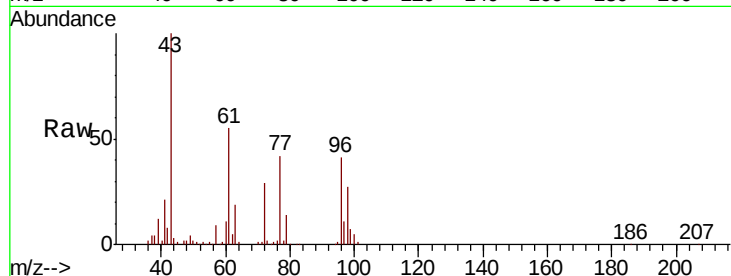




#25
 2-Butanone
 Concen: 97.539 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

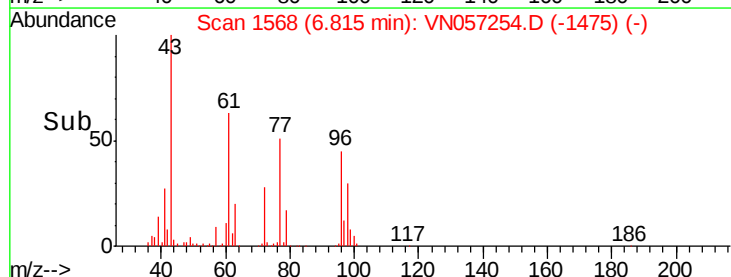
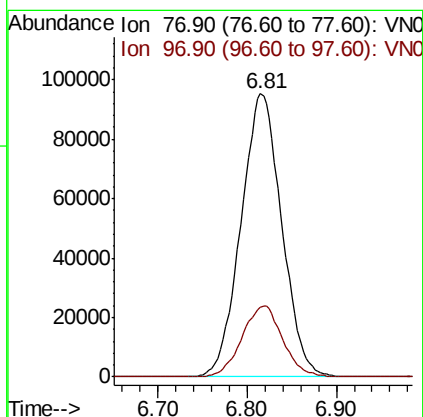
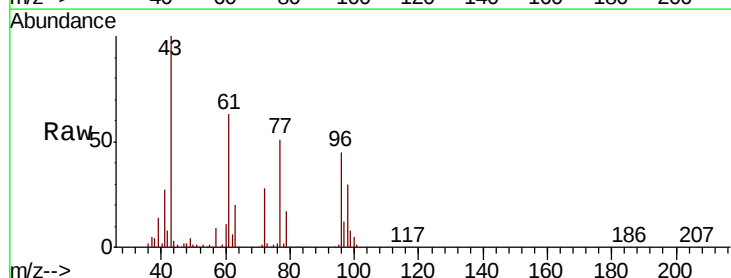
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

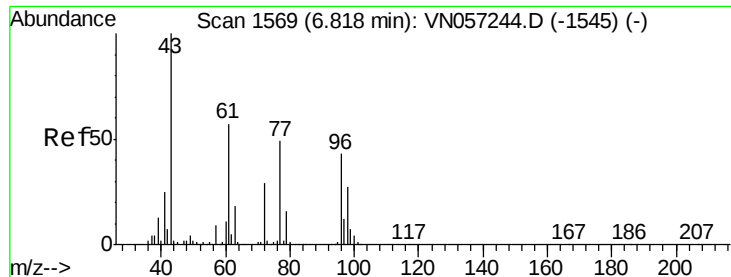
Tgt Ion: 43 Resp: 603405
 Ion Ratio Lower Upper
 43 100
 72 28.6 23.1 34.7



#26
 2,2-Dichloropropane
 Concen: 17.919 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion: 77 Resp: 302453
 Ion Ratio Lower Upper
 77 100
 97 25.1 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.375 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

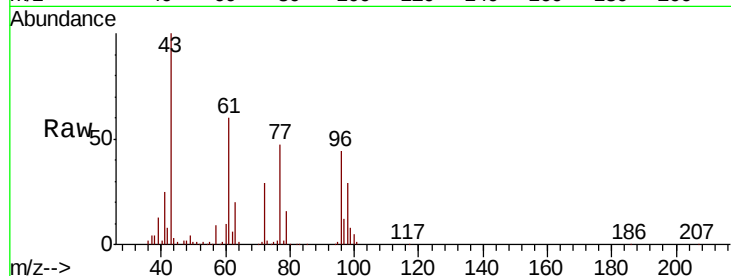
Tgt Ion: 96 Resp: 260745

Ion Ratio Lower Upper

96 100

61 135.9 0.0 271.0

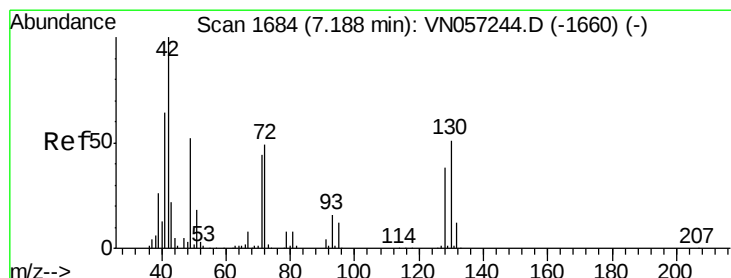
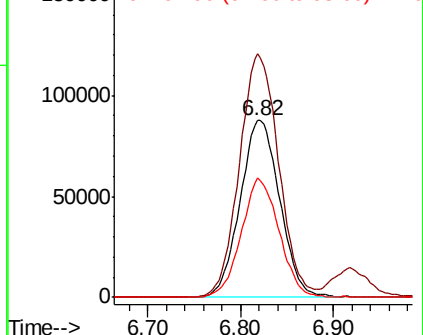
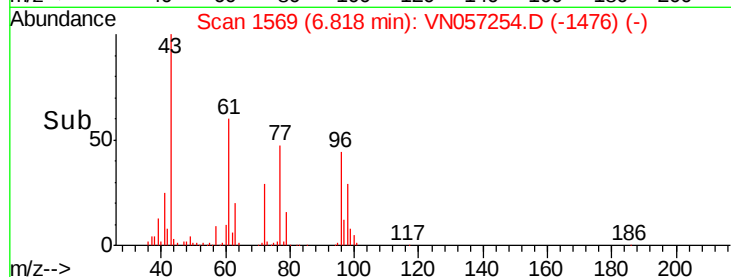
98 64.0 0.0 129.2



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: 19.899 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

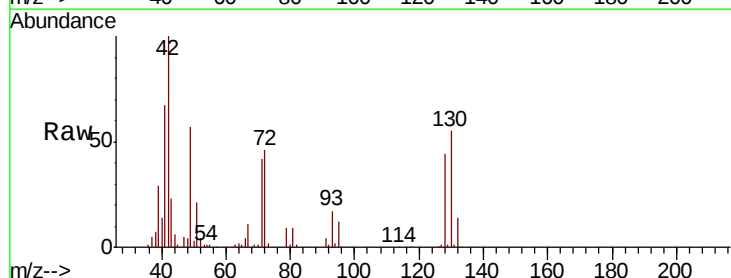
Tgt Ion: 49 Resp: 180644

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.0

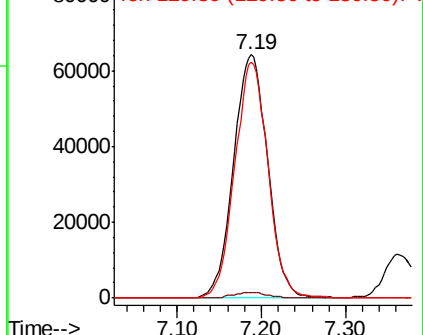
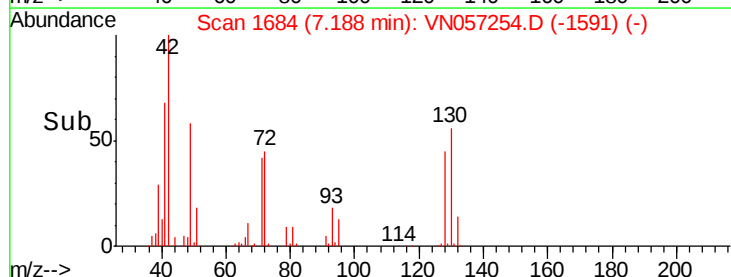
130 94.5 75.6 113.4

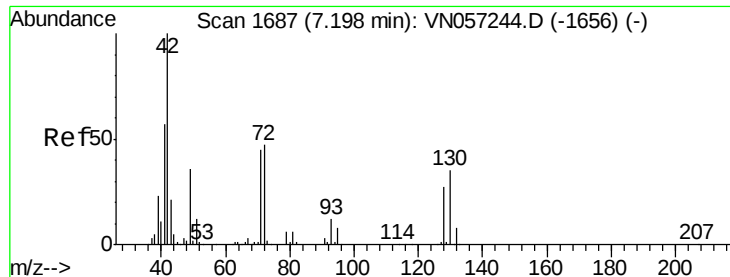


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.238 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampled :

VN0813WBSD01

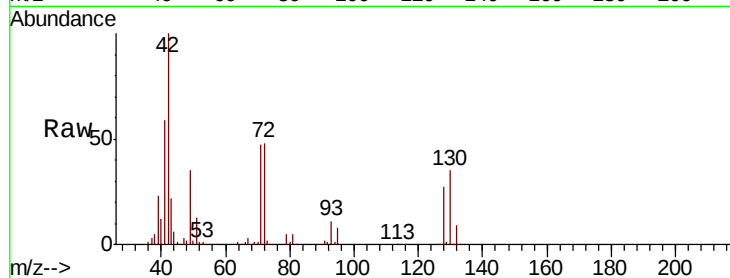
Tgt Ion: 42 Resp: 400368

Ion Ratio Lower Upper

42 100

72 47.8 37.6 56.4

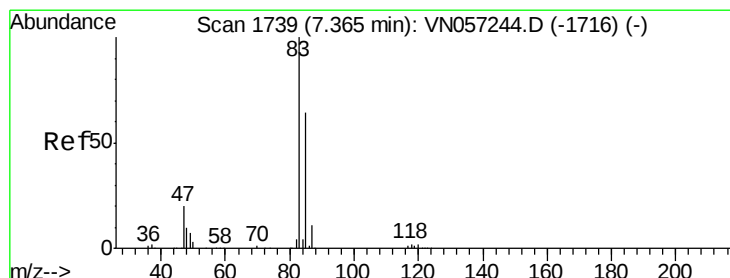
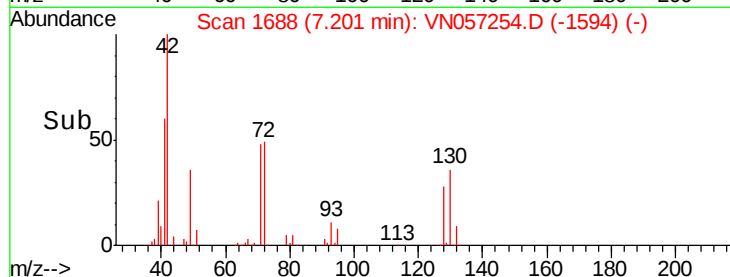
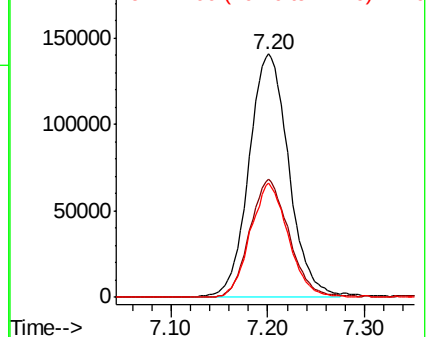
71 44.9 35.6 53.4



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: 19.260 ug/l

RT: 7.36 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VN057254.D

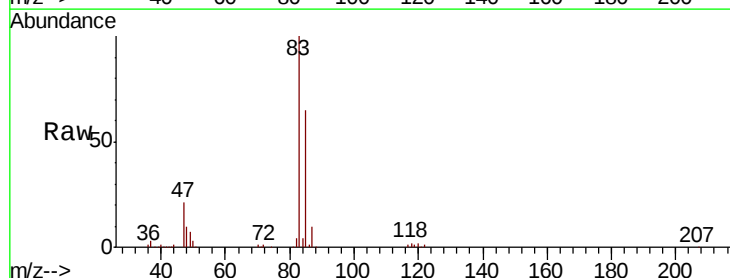
Acq: 13 Aug 2019 18:36

Tgt Ion: 83 Resp: 413897

Ion Ratio Lower Upper

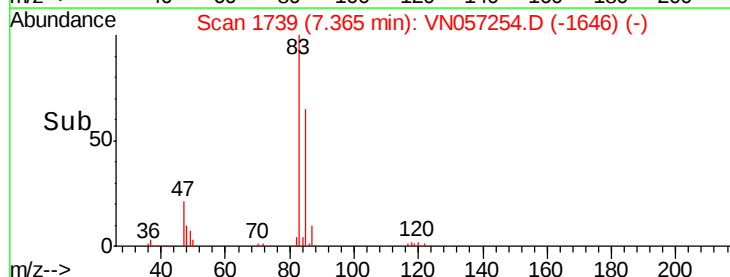
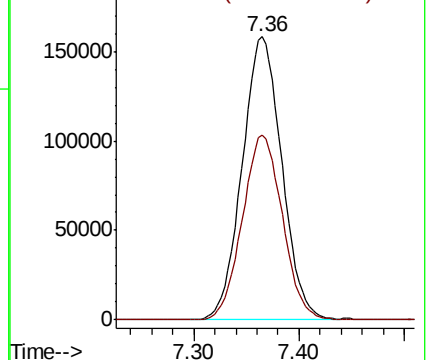
83 100

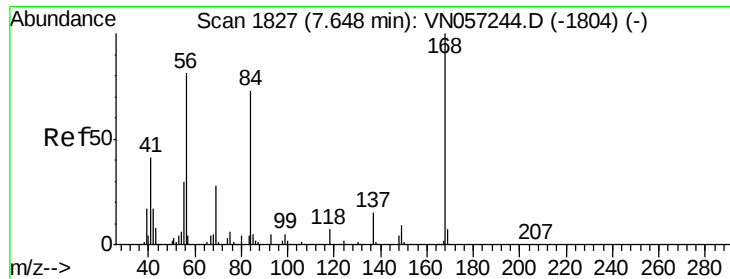
85 65.4 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

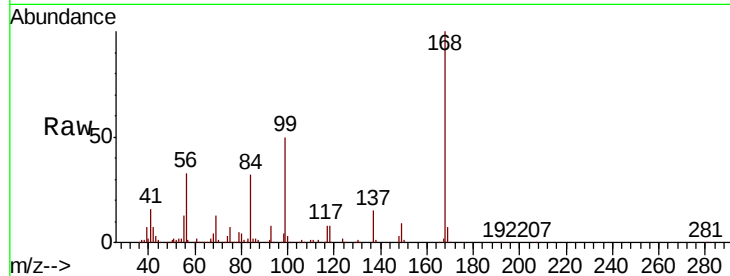




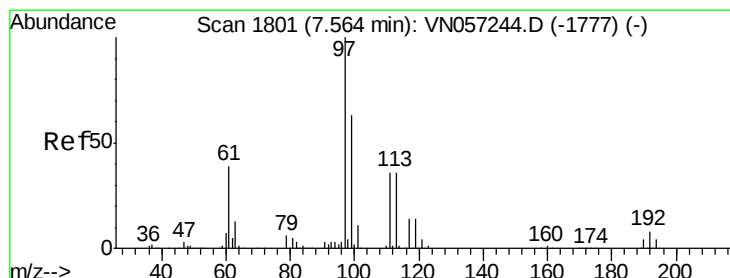
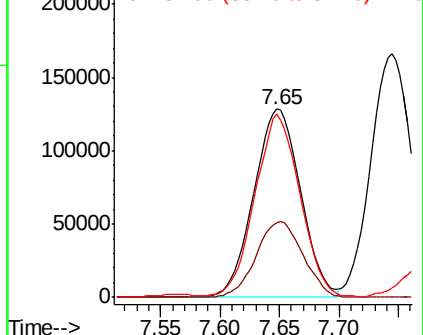
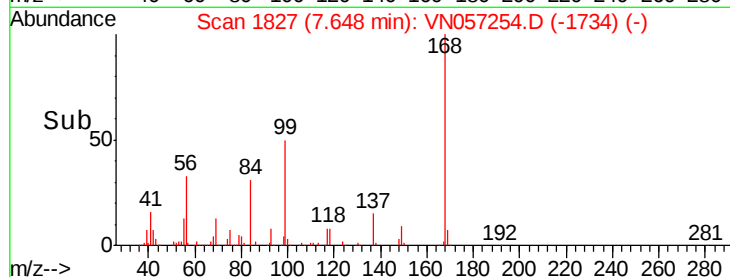
#31
Cyclohexane
Concen: 19.468 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tgt Ion: 56 Resp: 350030
Ion Ratio Lower Upper
56 100
69 39.9 27.8 41.8
84 95.9 72.0 108.0

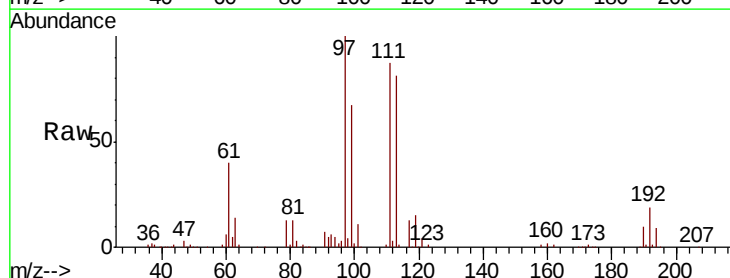


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

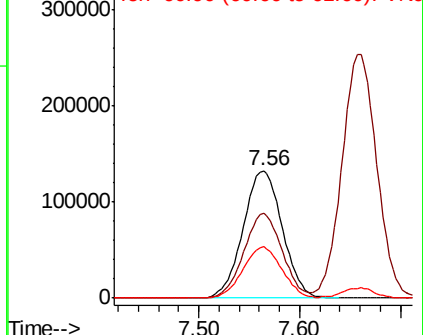
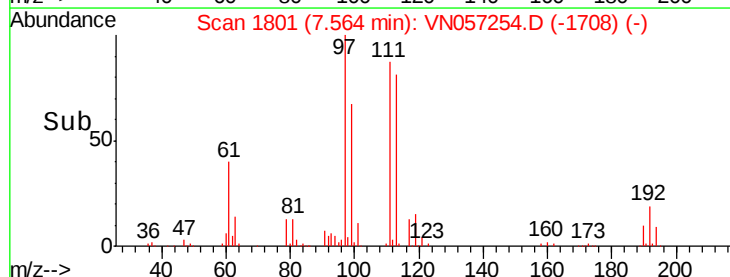


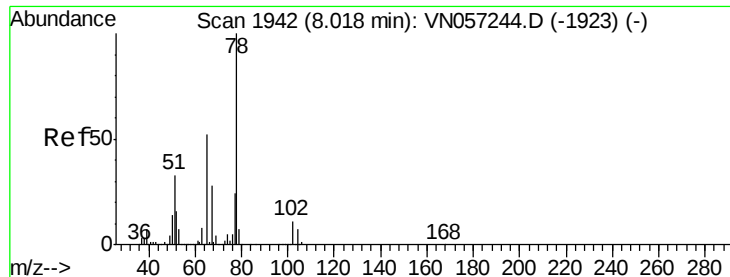
#32
1,1,1-Trichloroethane
Concen: 19.613 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 97 Resp: 356528
Ion Ratio Lower Upper
97 100
99 65.0 51.7 77.5
61 40.3 32.1 48.1



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

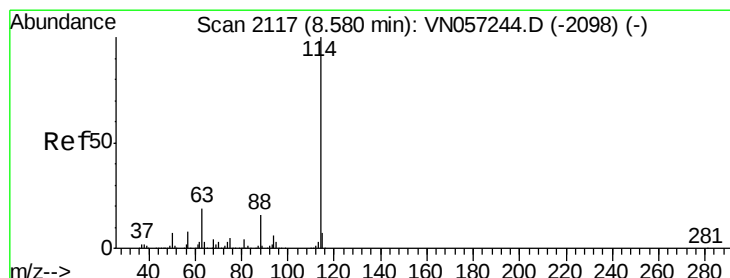
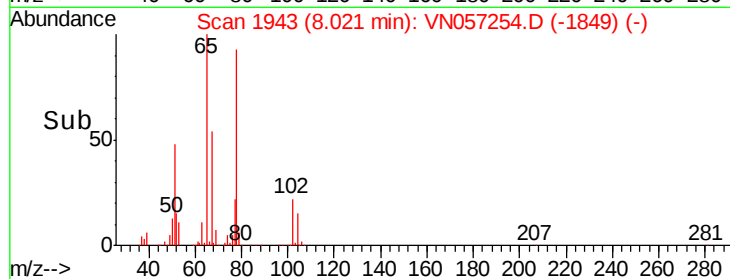
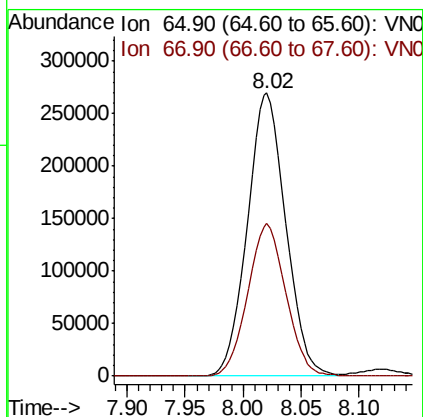
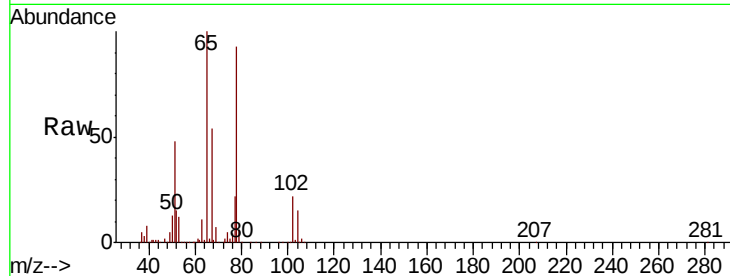




#33
 1,2-Dichloroethane-d4
 Concen: 49.052 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

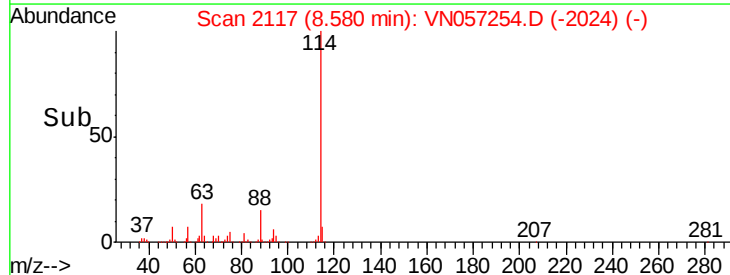
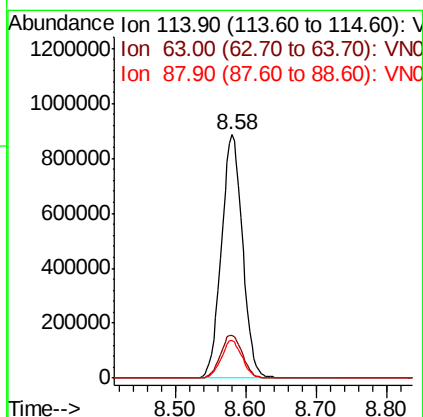
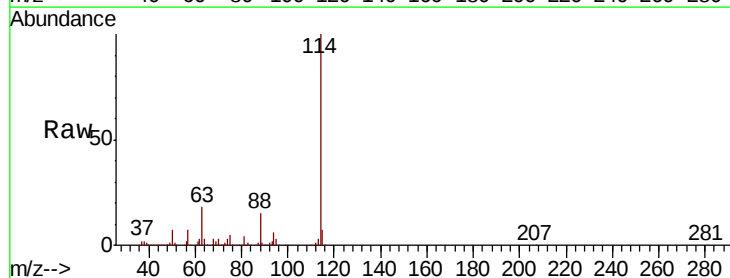
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

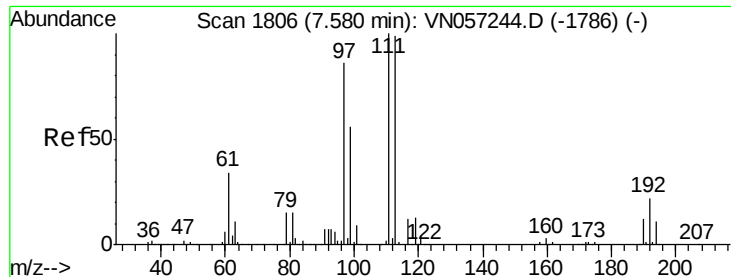
Tgt Ion: 65 Resp: 622544
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion: 114 Resp: 1853581
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 37.0
 88 15.5 0.0 31.0

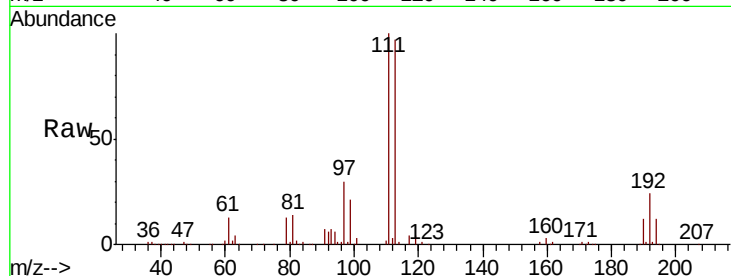




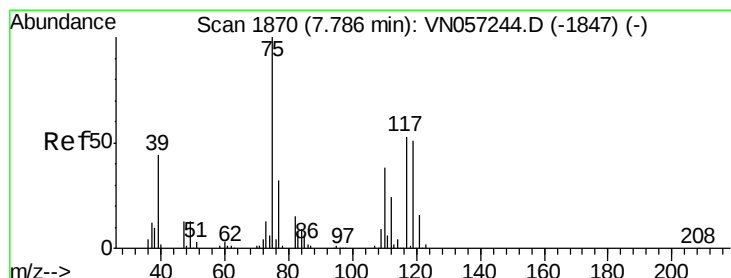
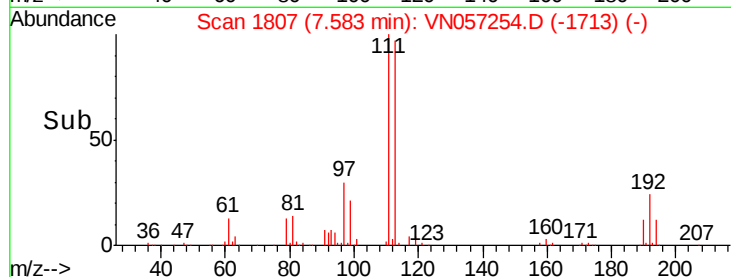
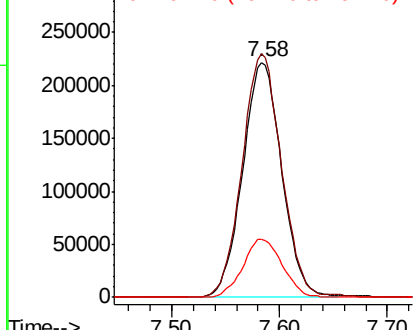
#35
 Dibromofluoromethane
 Concen: 47.124 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tgt Ion: 113 Resp: 557740
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.4 122.2
 192 25.0 18.8 28.2

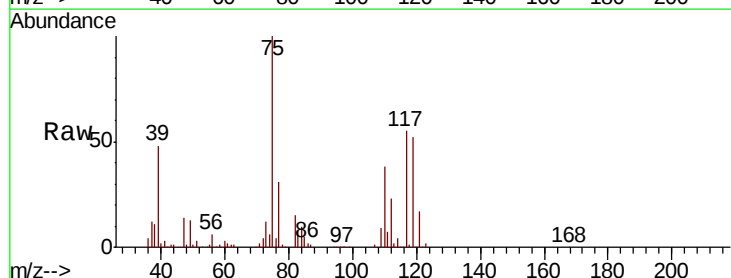


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

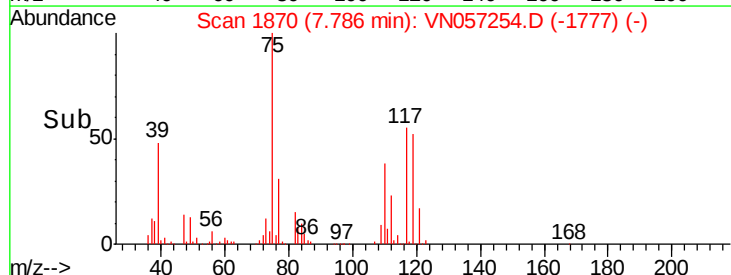
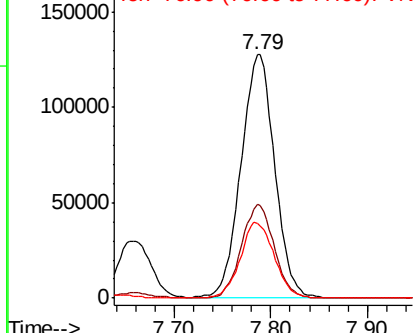


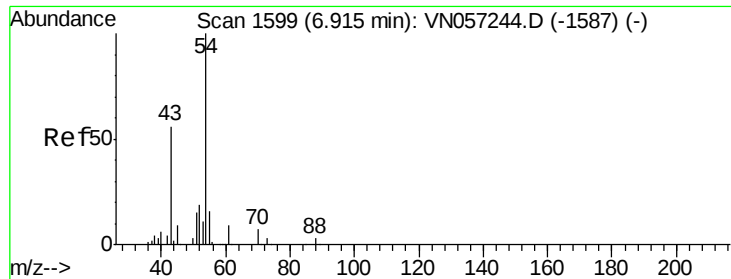
#36
 1,1-Dichloropropene
 Concen: 18.935 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion: 75 Resp: 306856
 Ion Ratio Lower Upper
 75 100
 110 37.6 19.1 57.1
 77 31.6 25.2 37.8



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

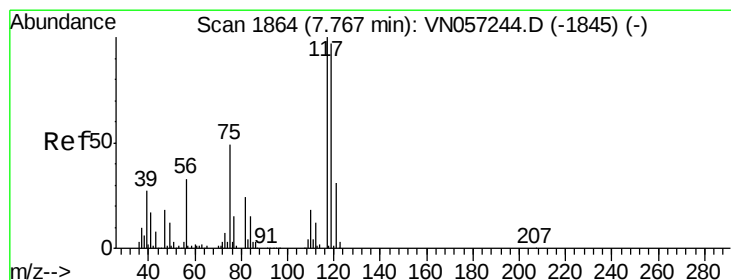
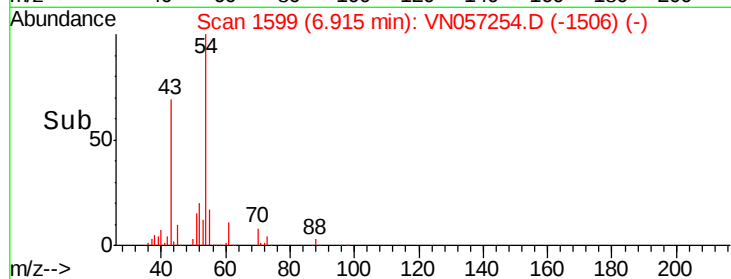
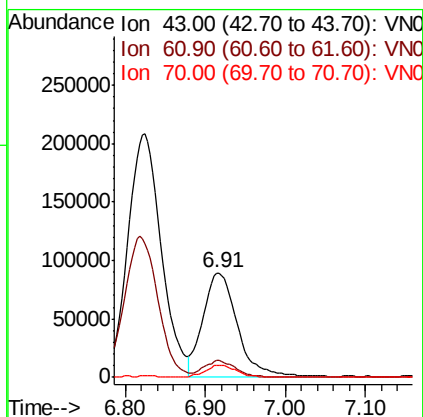
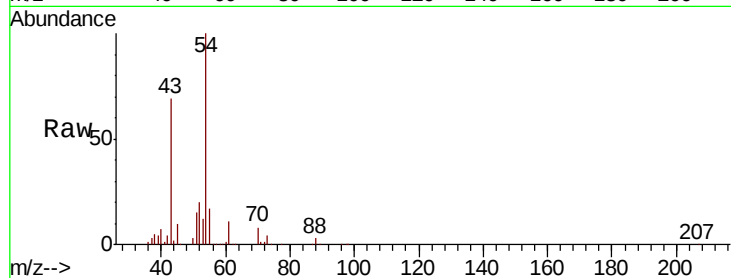




#37
 Ethyl Acetate
 Concen: 20.310 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

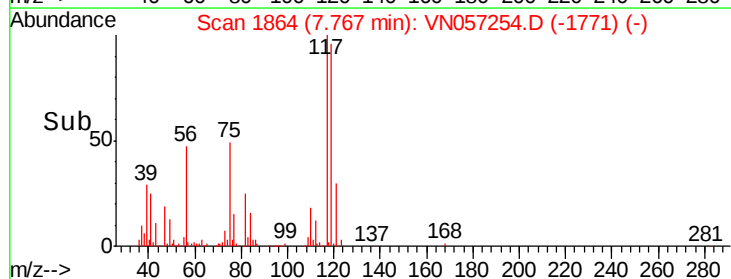
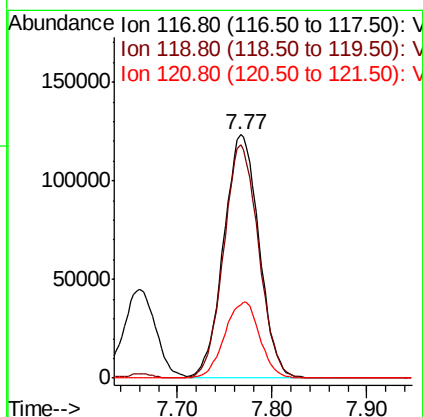
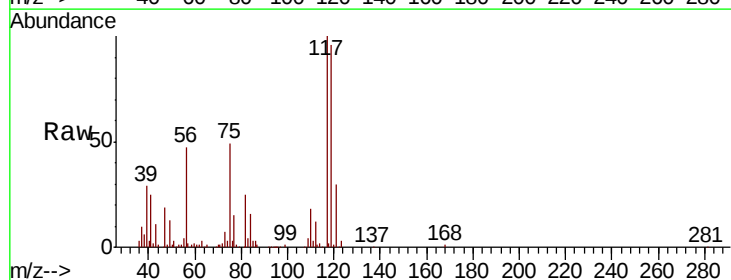
Instrument :
 MSVOA_N
 ClientSampled :
 VN0813WBSD01

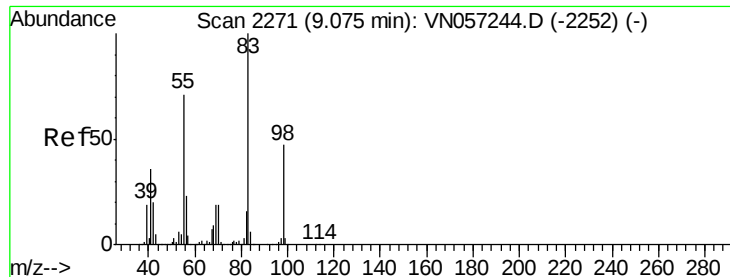
Tgt Ion: 43 Resp: 264547
 Ion Ratio Lower Upper
 43 100
 61 14.2 12.7 19.1
 70 10.6 9.0 13.4



#38
 Carbon Tetrachloride
 Concen: 18.619 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion: 117 Resp: 320515
 Ion Ratio Lower Upper
 117 100
 119 95.9 77.8 116.6
 121 30.2 24.9 37.3

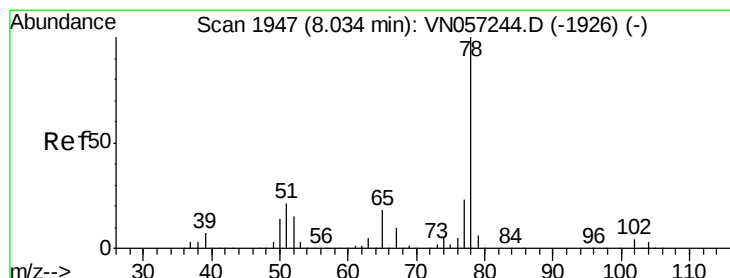
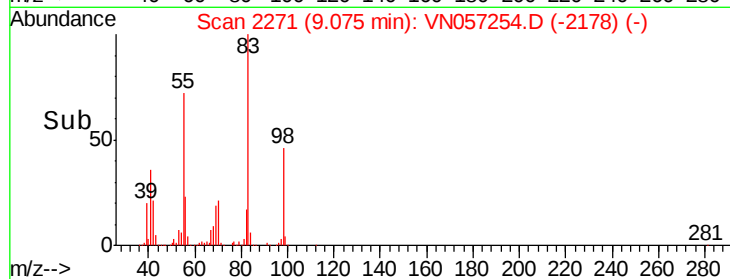
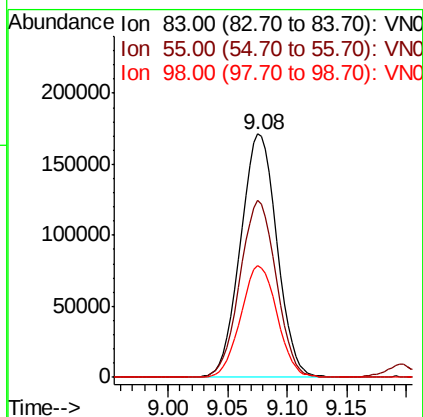
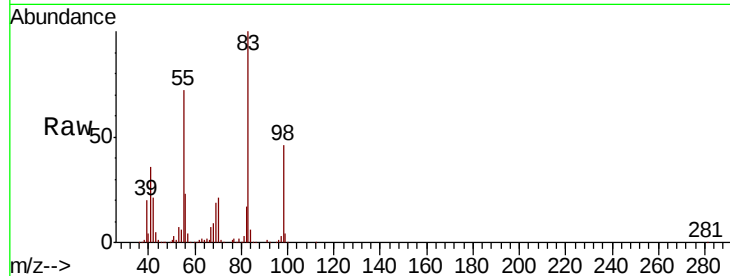




#39
Methylcyclohexane
Concen: 19.006 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

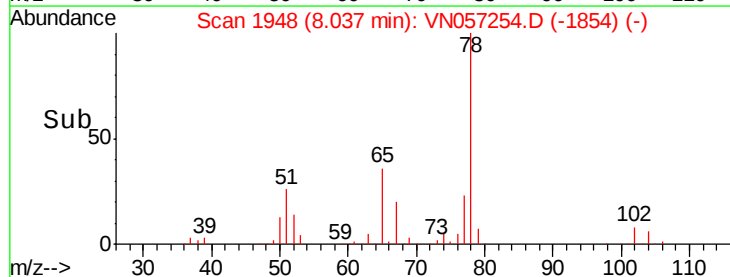
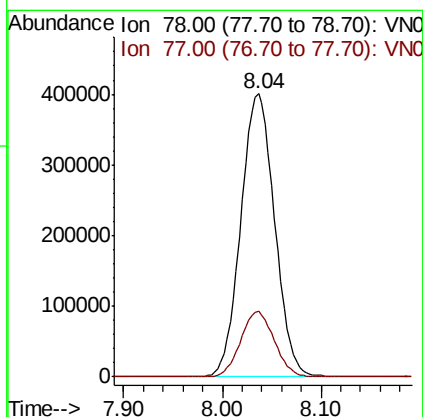
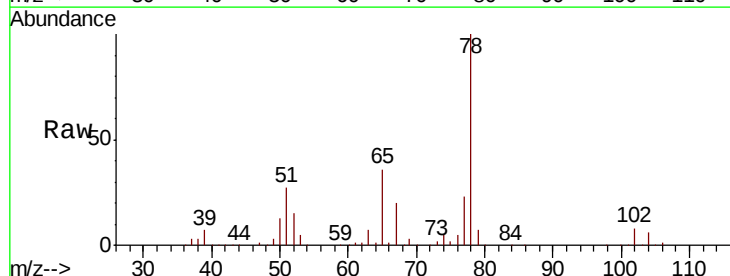
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

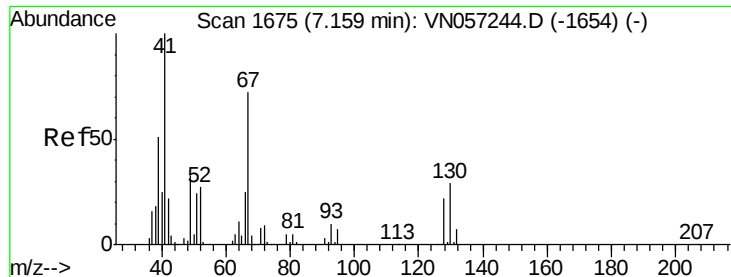
Tgt Ion: 83 Resp: 364659
Ion Ratio Lower Upper
83 100
55 72.5 57.0 85.4
98 45.9 37.2 55.8



#40
Benzene
Concen: 19.286 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 78 Resp: 949494
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.4

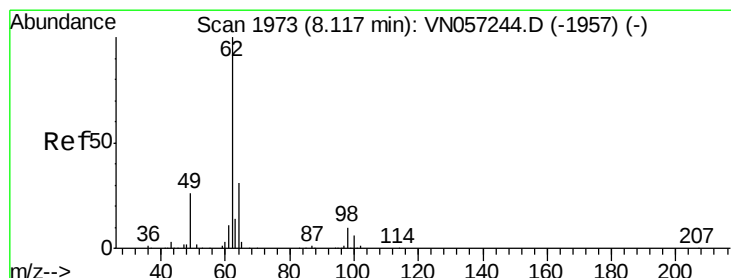
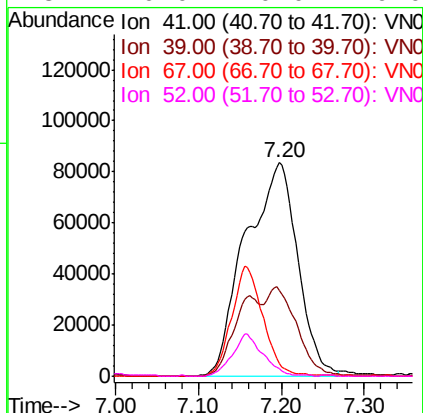
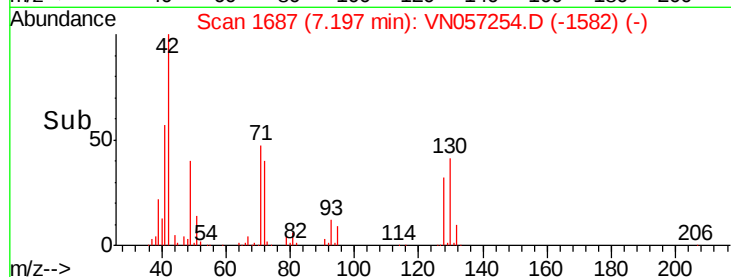
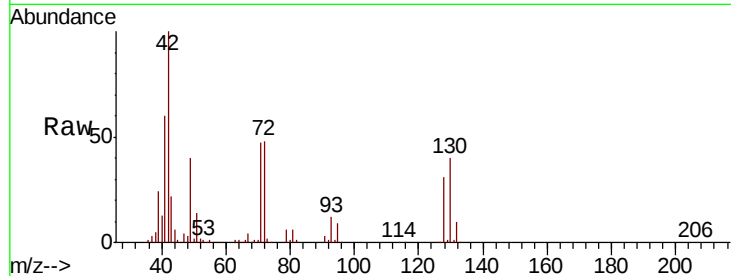




#41
Methacrylonitrile
Concen: 68.118 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

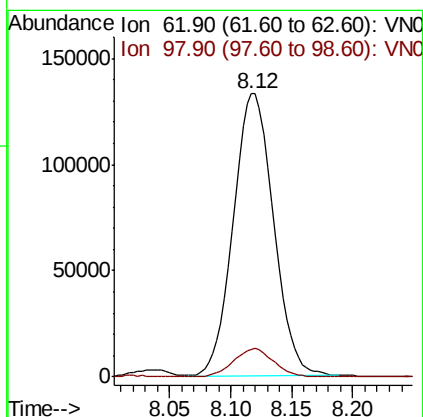
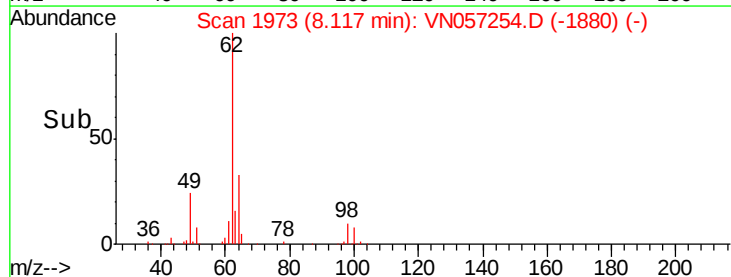
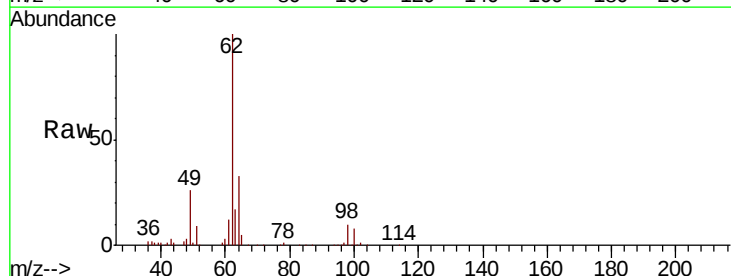
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

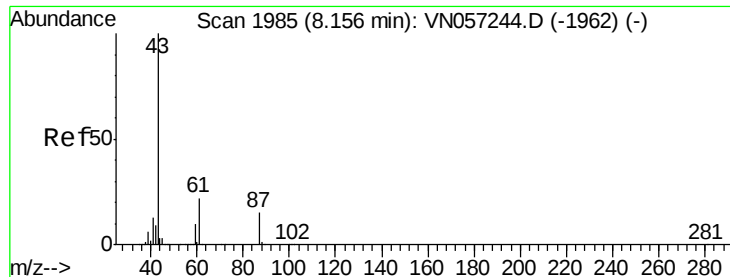
Tgt Ion:	41	Resp:	365136
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.303 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion:	62	Resp:	304531
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 19.906 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

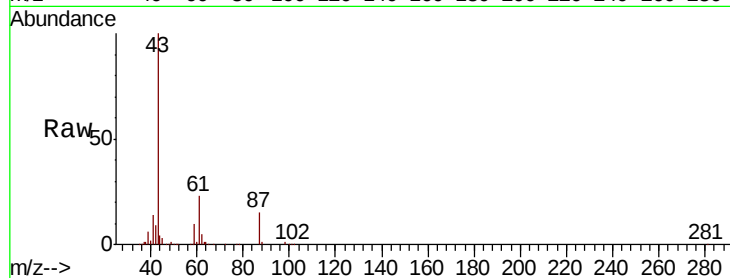
Tgt Ion: 43 Resp: 427015

Ion Ratio Lower Upper

43 100

61 29.4 23.5 35.3

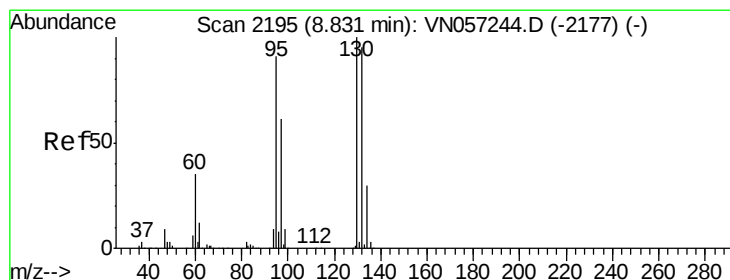
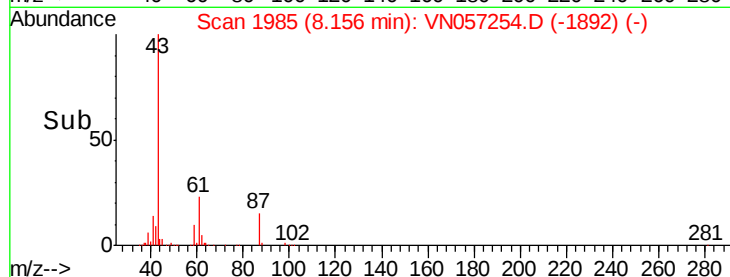
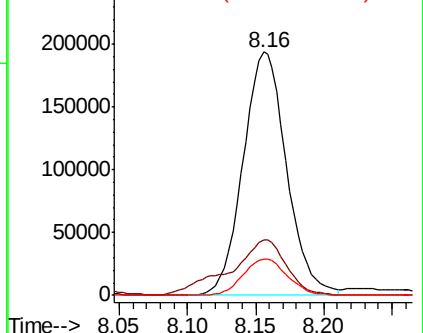
87 15.3 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.864 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN057254.D

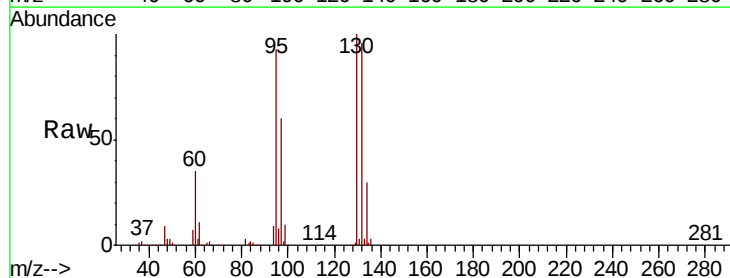
Acq: 13 Aug 2019 18:36

Tgt Ion: 130 Resp: 269216

Ion Ratio Lower Upper

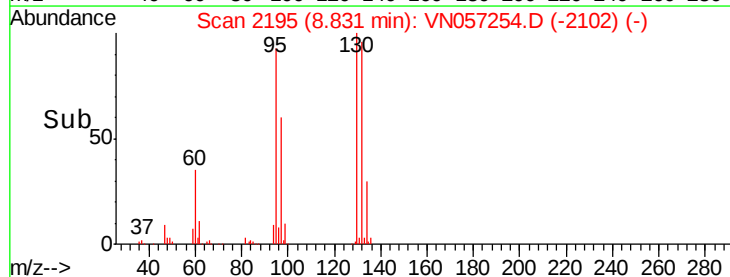
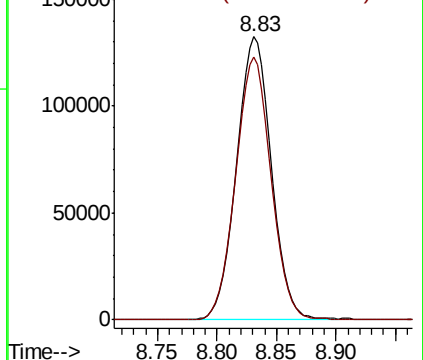
130 100

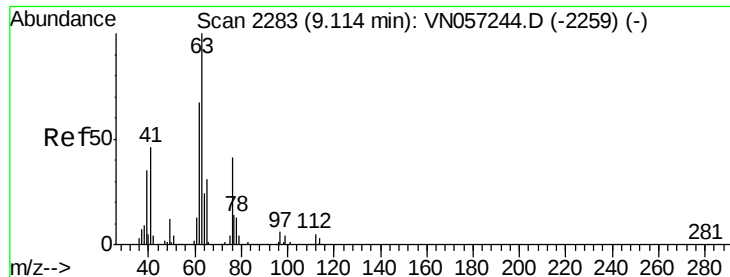
95 93.0 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.655 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

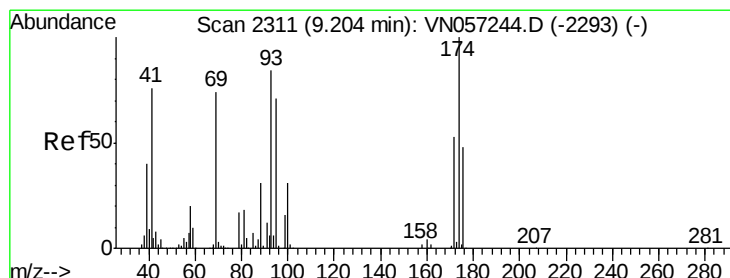
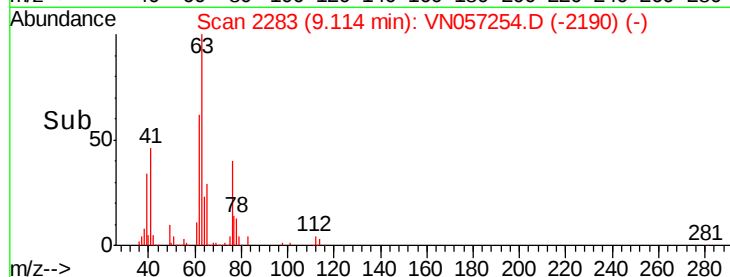
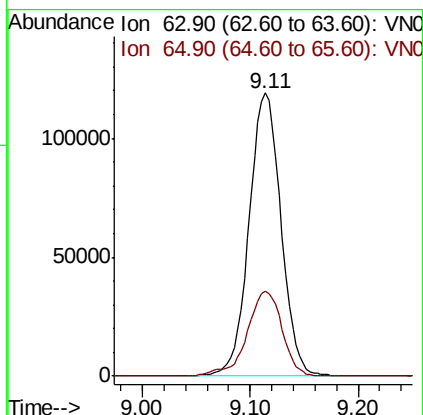
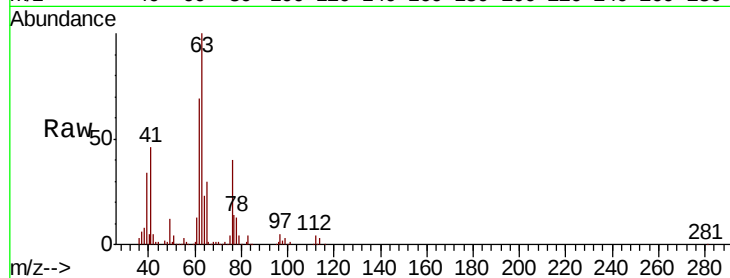
VN0813WBSD01

Tgt Ion: 63 Resp: 245142

Ion Ratio Lower Upper

63 100

65 29.9 25.0 37.4



#46

Dibromomethane

Concen: 19.220 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

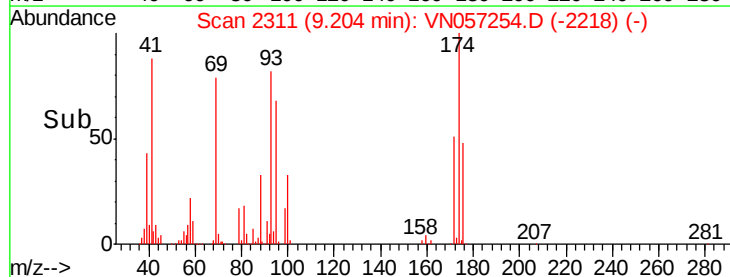
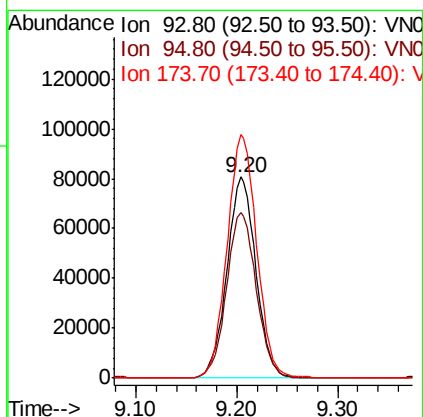
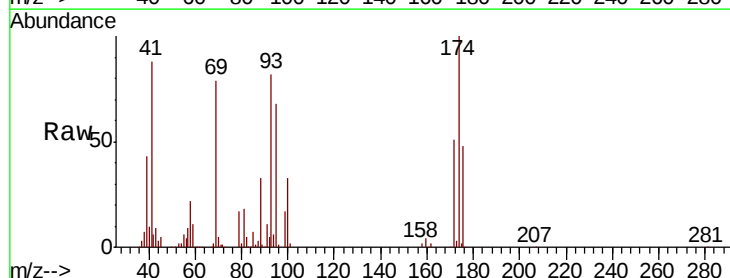
Tgt Ion: 93 Resp: 161628

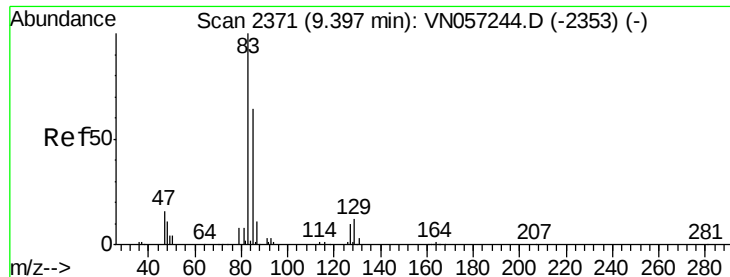
Ion Ratio Lower Upper

93 100

95 84.7 67.0 100.4

174 123.9 96.2 144.2





#47

Bromodichloromethane

Concen: 19.457 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

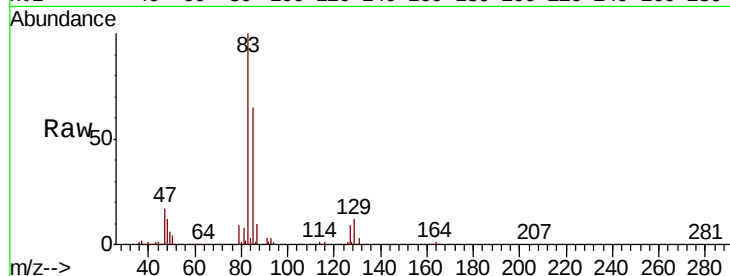
Tgt Ion: 83 Resp: 315469

Ion Ratio Lower Upper

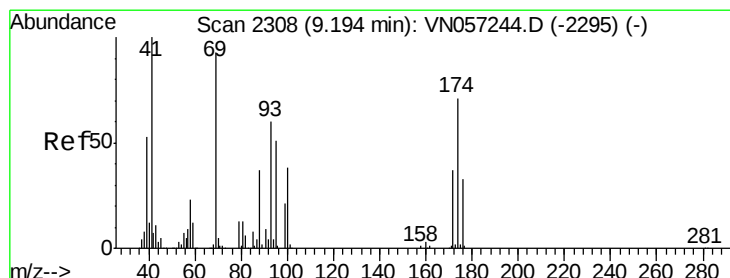
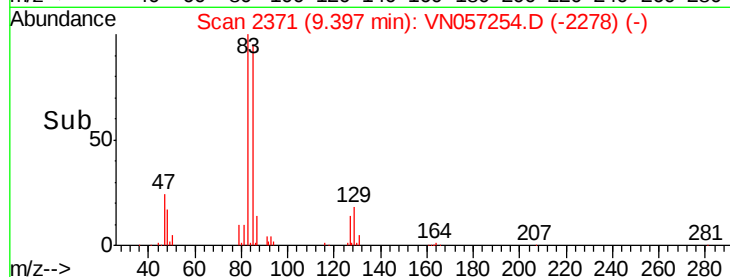
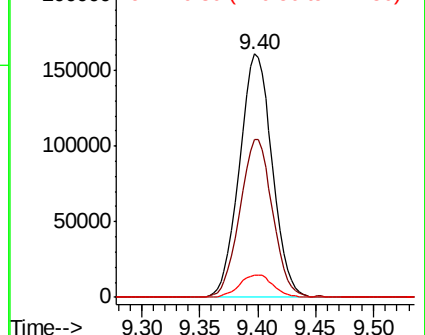
83 100

85 64.8 51.4 77.0

127 9.3 7.7 11.5



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



#48

Methyl methacrylate

Concen: 20.608 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

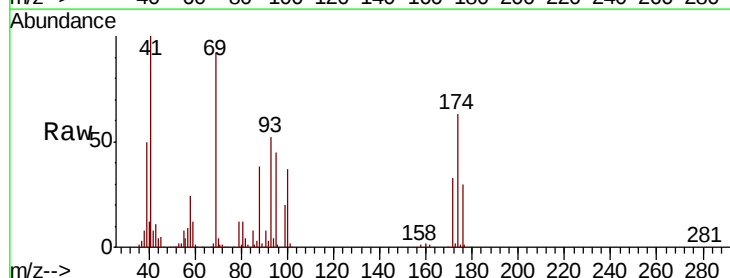
Tgt Ion: 41 Resp: 204553

Ion Ratio Lower Upper

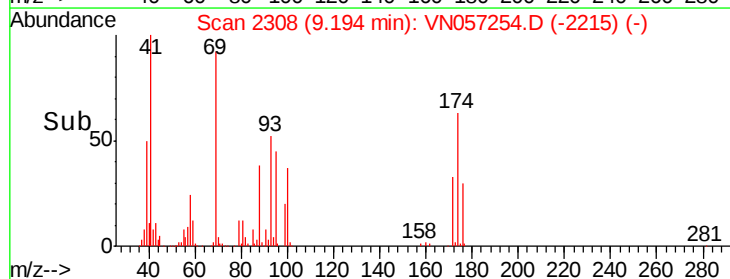
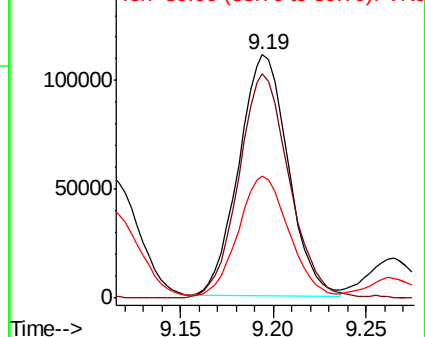
41 100

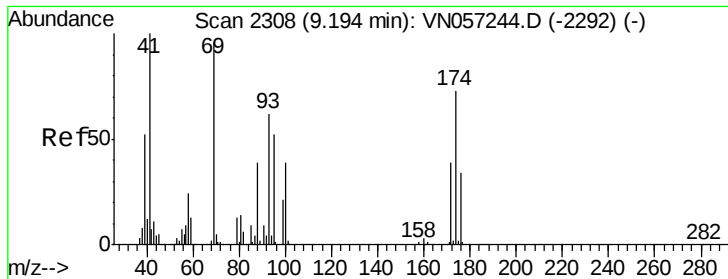
69 95.5 75.7 113.5

39 52.0 43.3 64.9



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

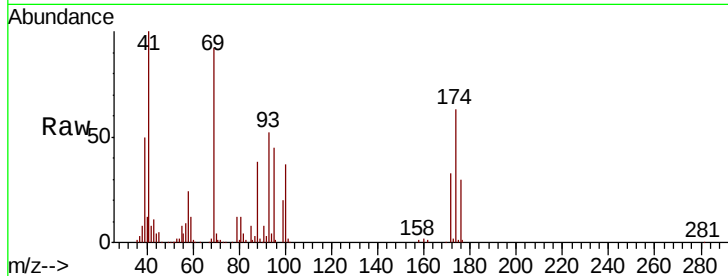




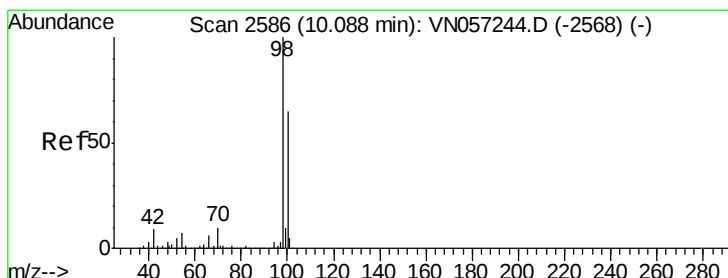
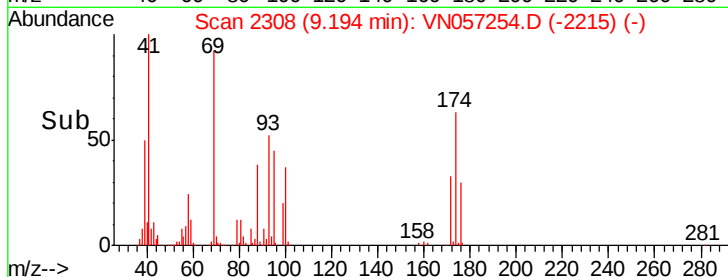
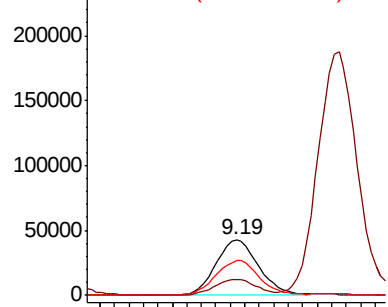
#49
1,4-Dioxane
Concen: 395.435 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tgt Ion: 88 Resp: 88453
Ion Ratio Lower Upper
88 100
43 27.6 20.7 31.1
58 63.8 52.0 78.0

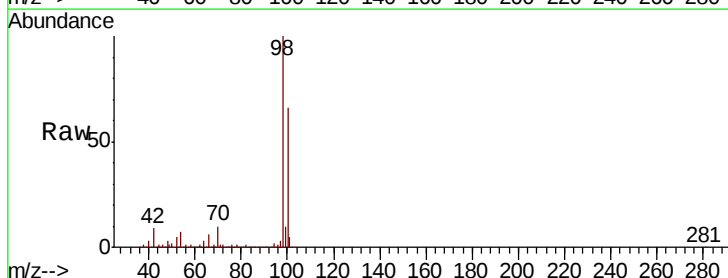


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

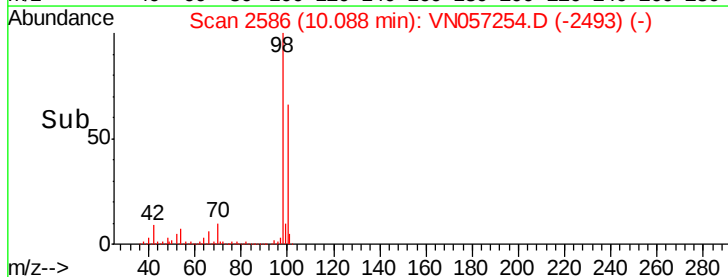
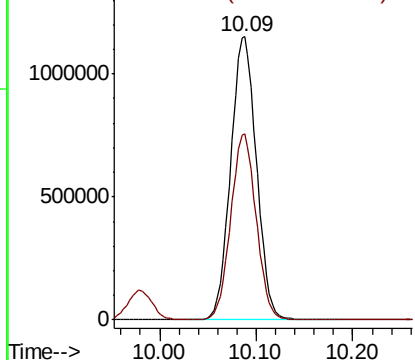


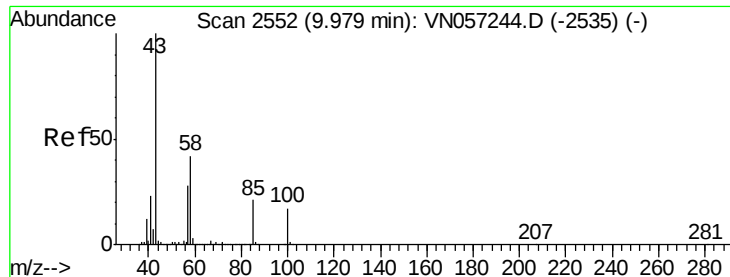
#50
Toluene-d8
Concen: 49.270 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 98 Resp: 2126899
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



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

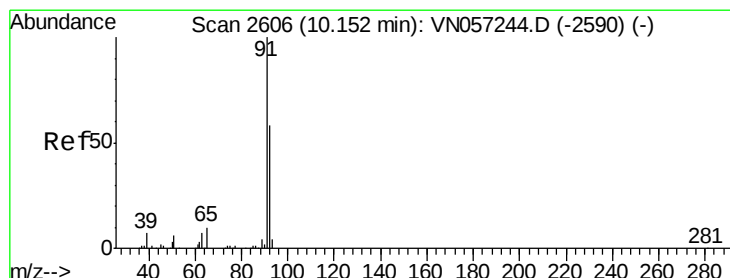
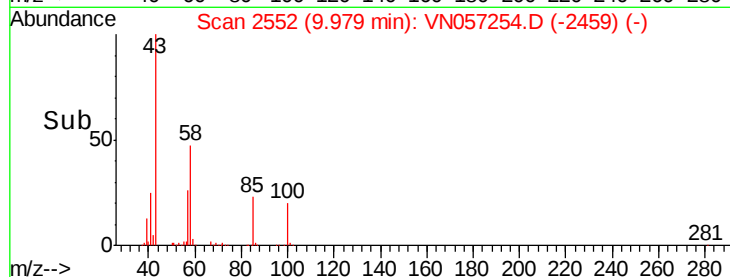
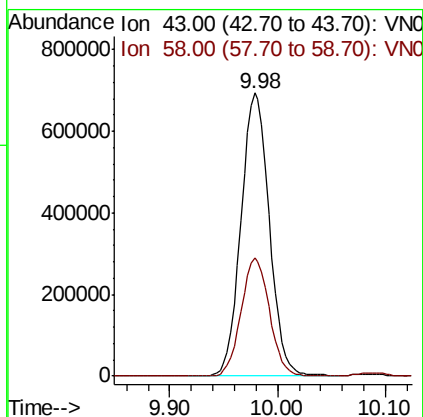
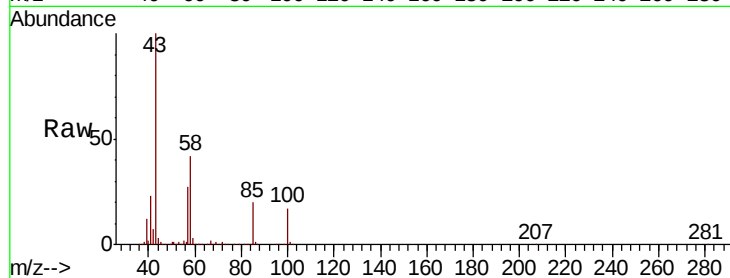




#51
 4-Methyl-2-Pentanone
 Concen: 100.361 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

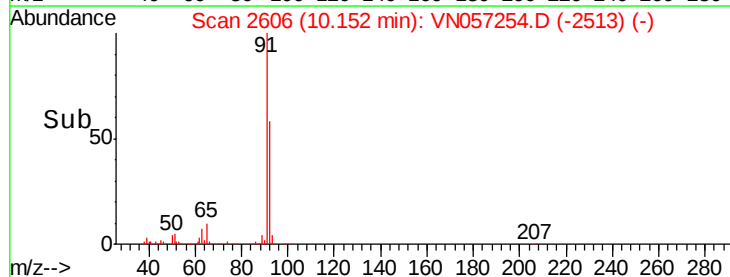
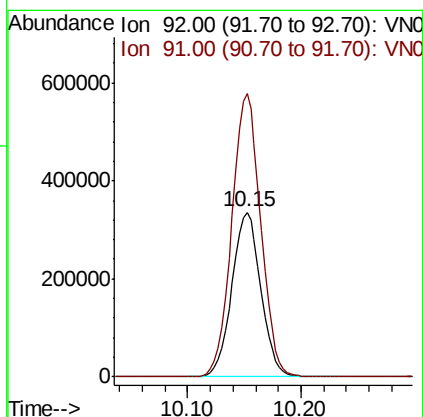
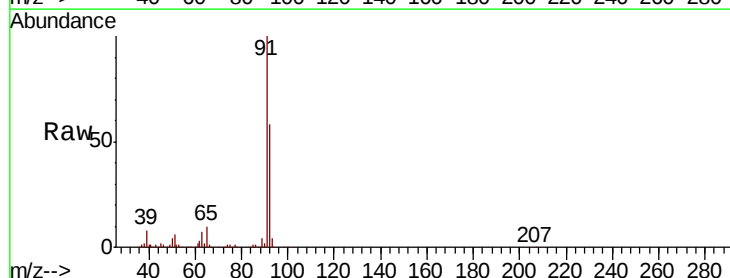
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

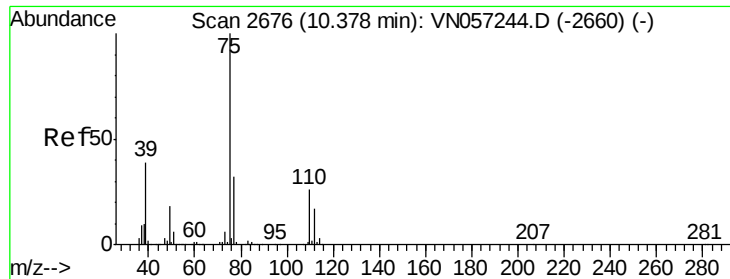
Tgt Ion: 43 Resp: 1264191
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.7 50.5



#52
 Toluene
 Concen: 19.523 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion: 92 Resp: 597134
 Ion Ratio Lower Upper
 92 100
 91 171.7 138.2 207.2





#53

t-1,3-Dichloropropene

Concen: 19.508 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

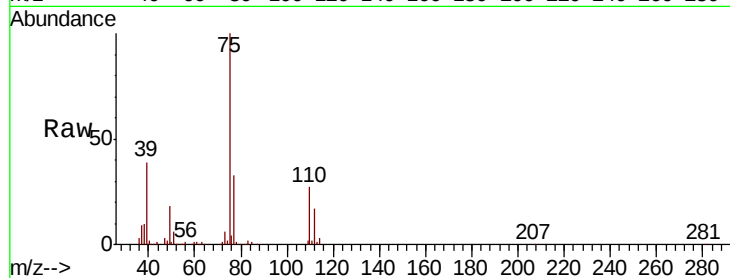
VN0813WBSD01

Tgt Ion: 75 Resp: 338318

Ion Ratio Lower Upper

75 100

77 32.9 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

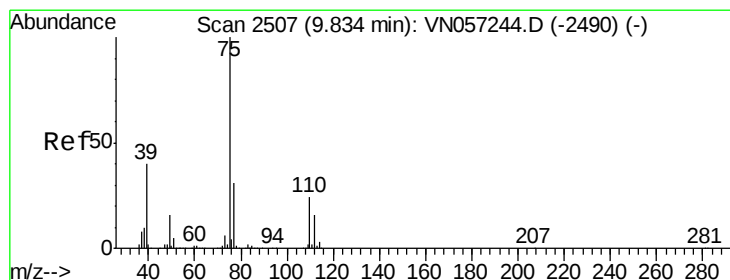
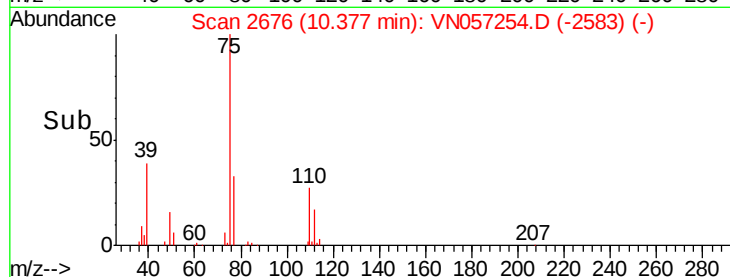
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.283 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

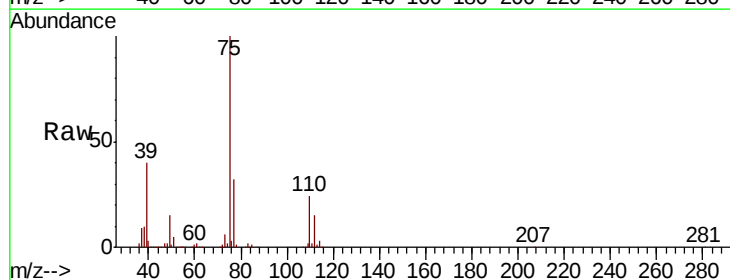
Tgt Ion: 75 Resp: 376884

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6

39 40.0 32.3 48.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

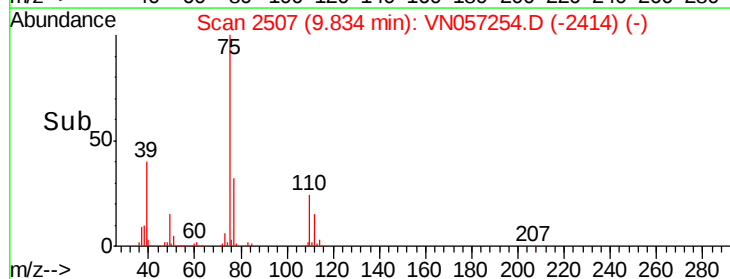
150000

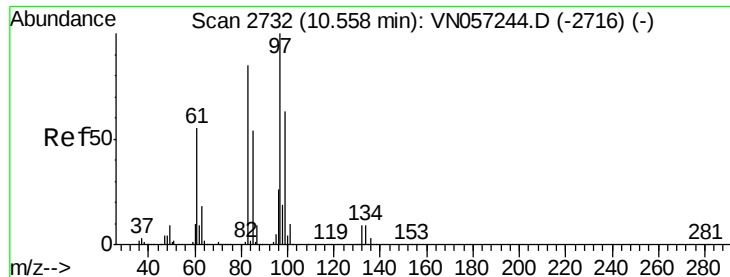
100000

50000

0

Time-->

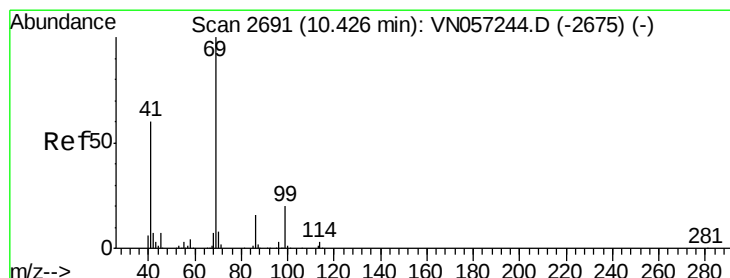
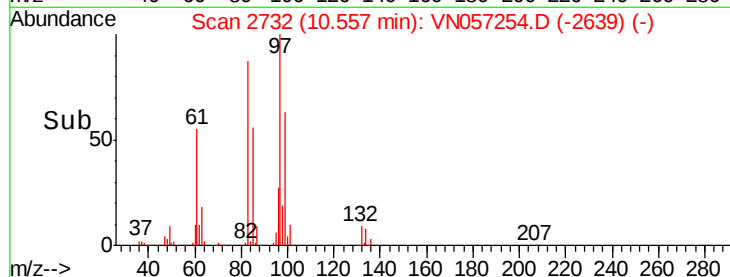
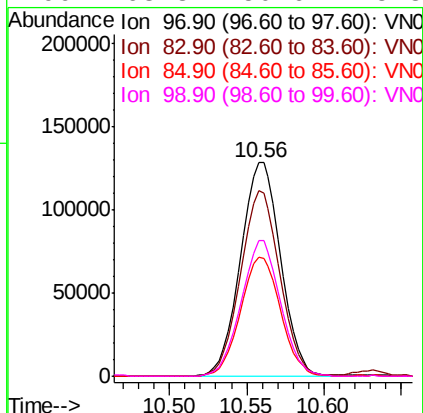
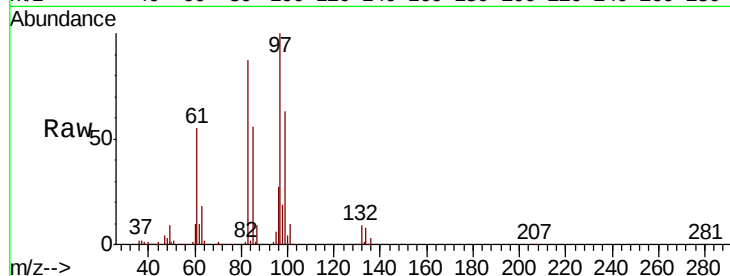




#55
 1,1,2-Trichloroethane
 Concen: 19.414 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

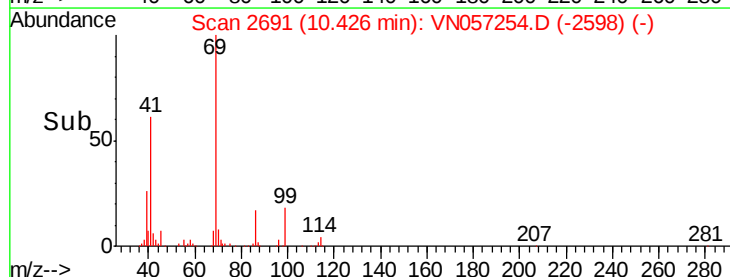
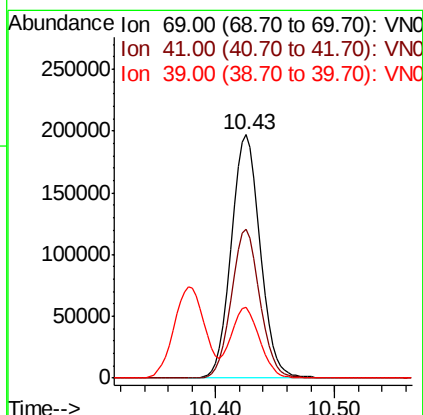
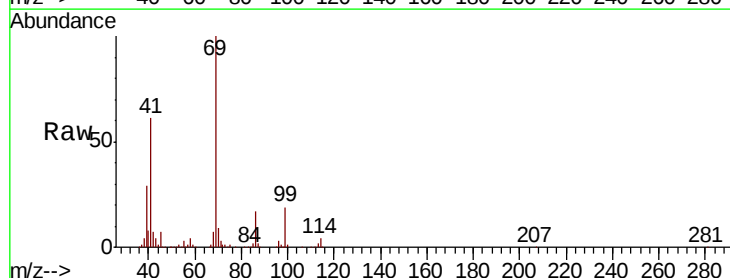
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

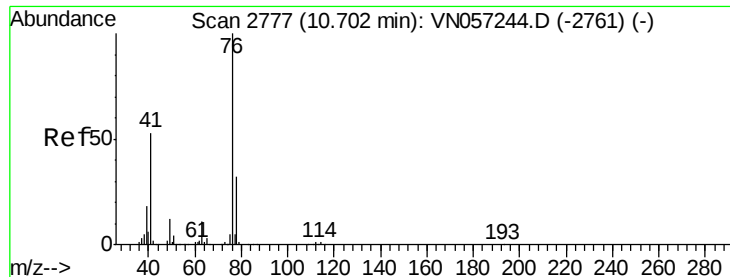
Tgt Ion:	97	Resp:	232101
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.4	102.6
85	55.6	43.0	64.6
99	63.3	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 19.798 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion:	69	Resp:	332062
Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.6	71.4
39	28.5	23.4	35.0





#57

1,3-Dichloropropane

Concen: 19.461 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

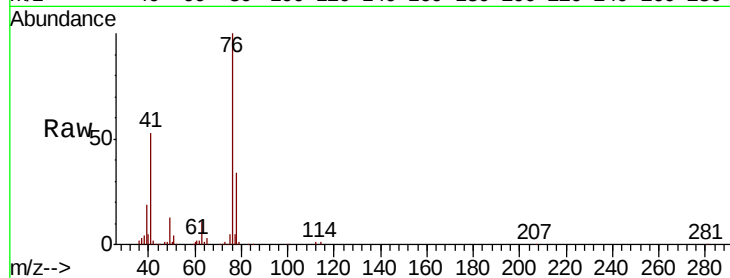
VN0813WBSD01

Tgt Ion: 76 Resp: 383863

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

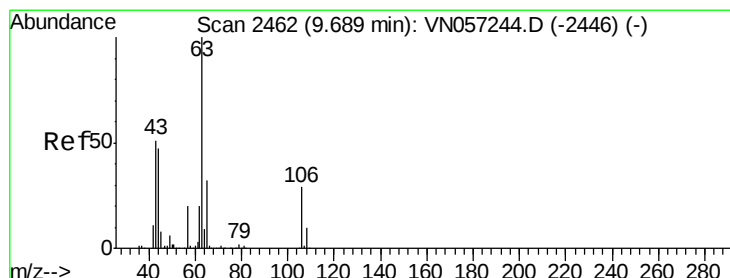
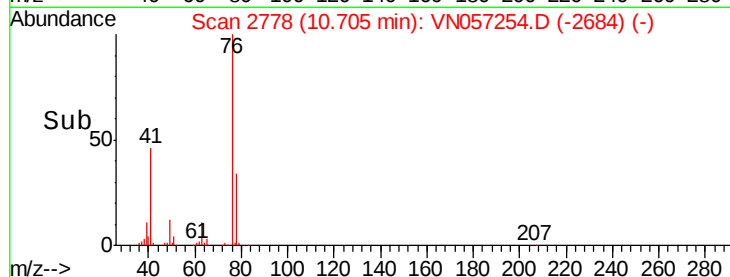
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 92.276 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057254.D

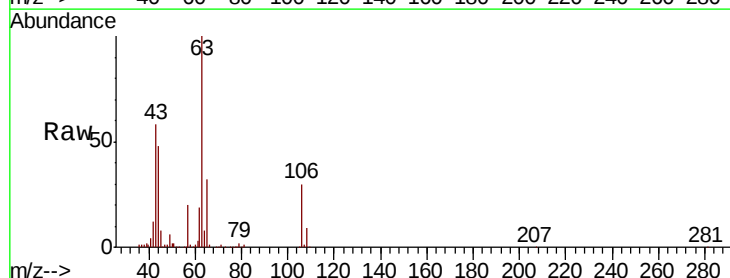
Acq: 13 Aug 2019 18:36

Tgt Ion: 63 Resp: 383264

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

250000

200000

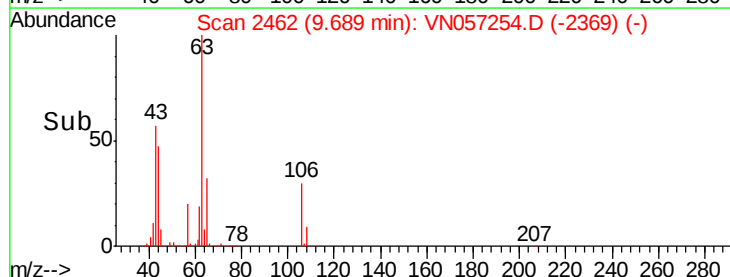
150000

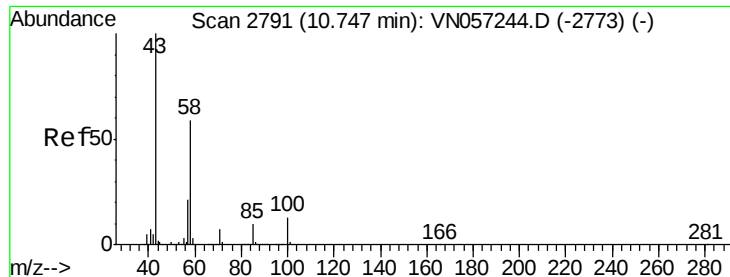
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

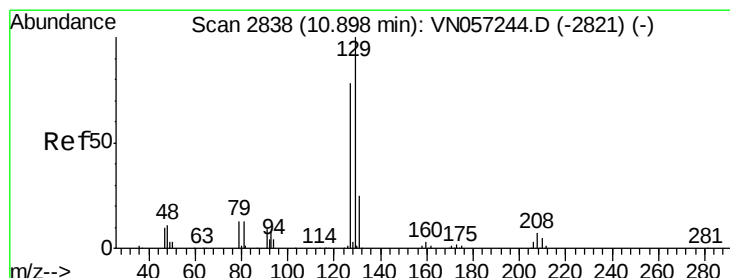
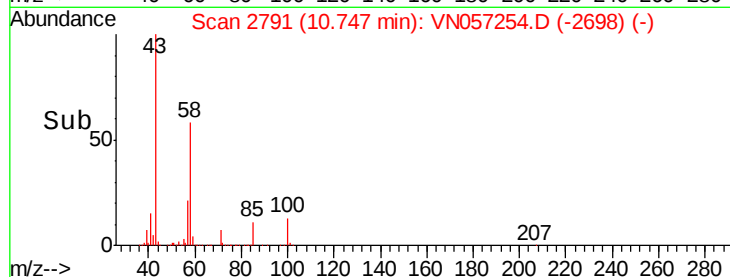
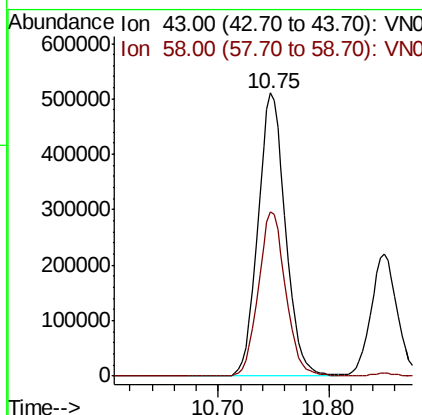
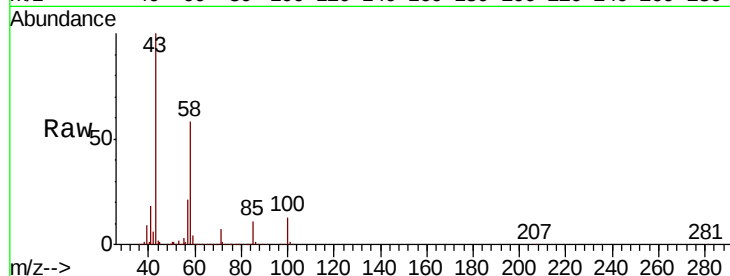




#59
2-Hexanone
Concen: 98.187 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

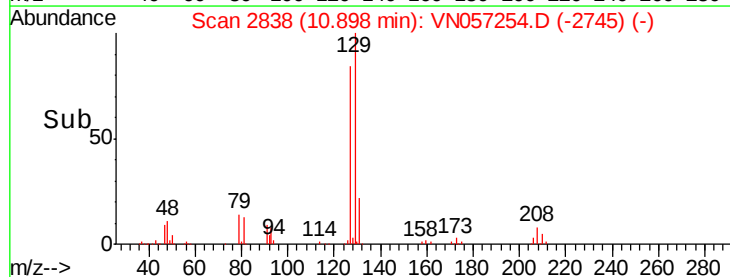
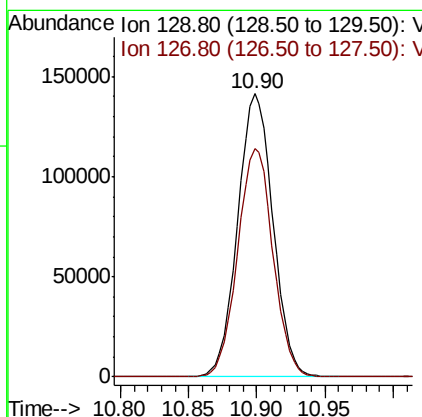
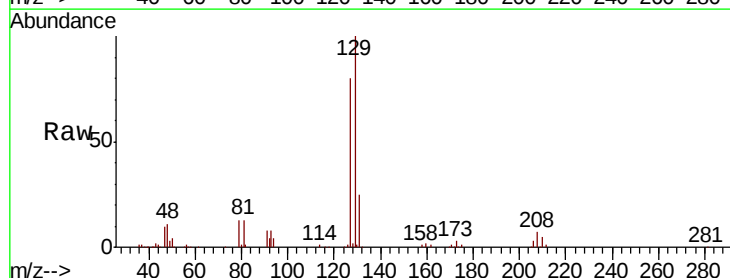
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

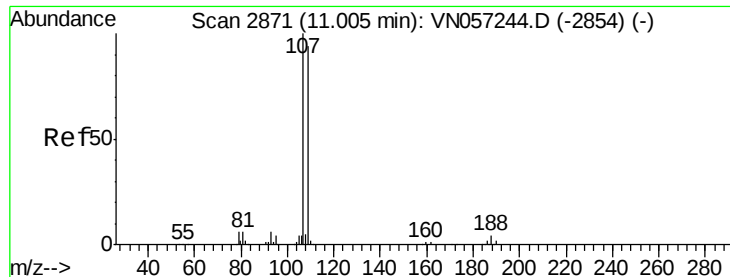
Tgt Ion: 43 Resp: 877537
Ion Ratio Lower Upper
43 100
58 57.8 29.1 87.4



#60
Dibromochloromethane
Concen: 18.965 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 129 Resp: 254259
Ion Ratio Lower Upper
129 100
127 80.6 38.9 116.6

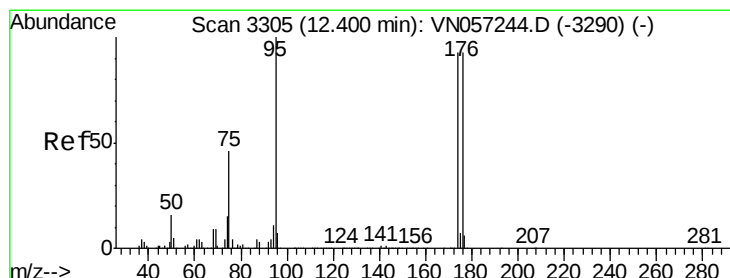
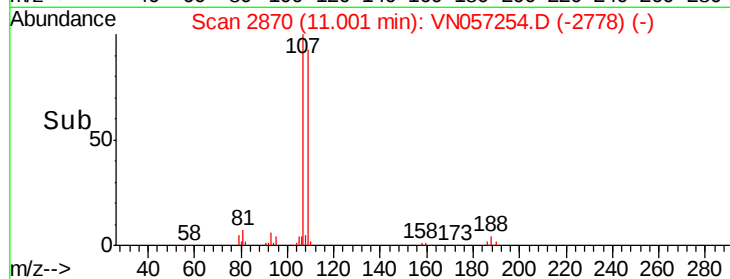
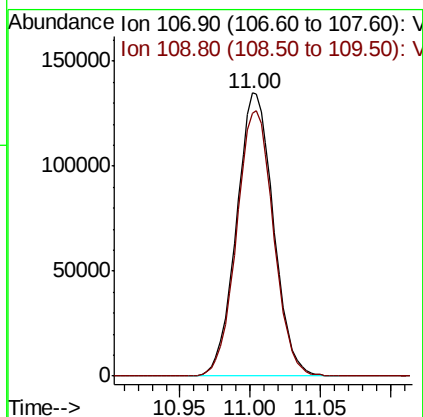
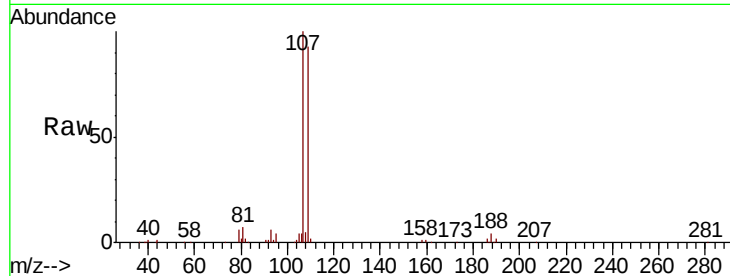




#61
 1,2-Dibromoethane
 Concen: 19.889 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

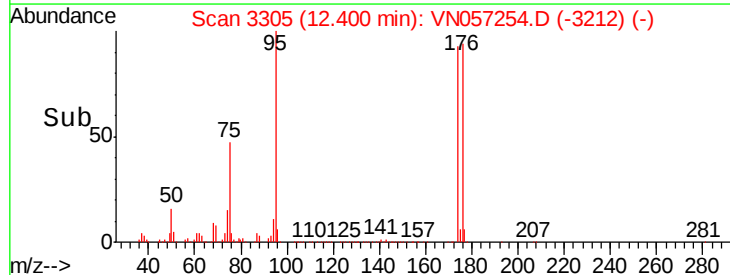
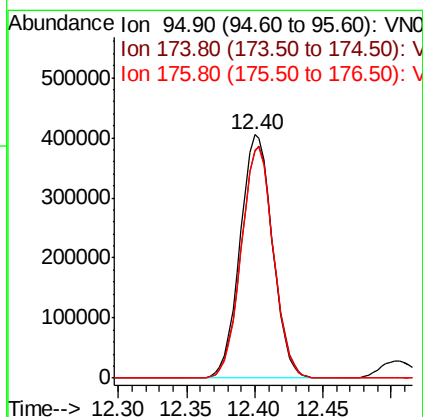
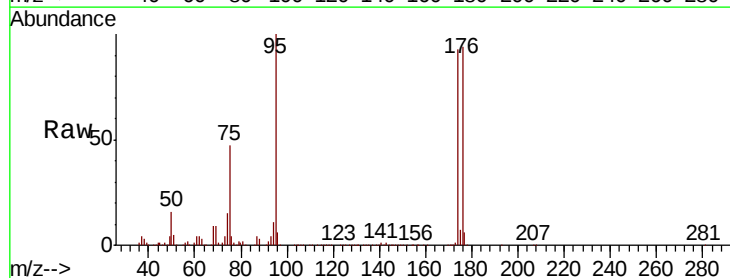
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

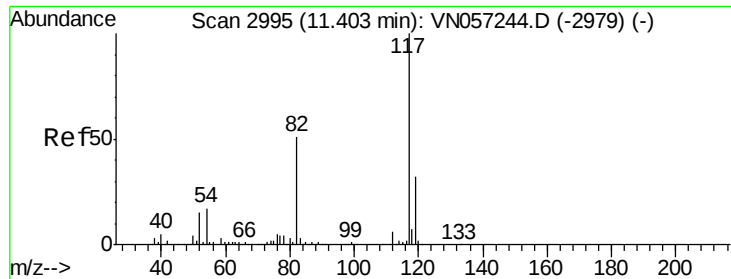
Tgt Ion: 107 Resp: 246856
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 45.186 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion: 95 Resp: 668953
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 187.6
 176 94.0 0.0 185.8

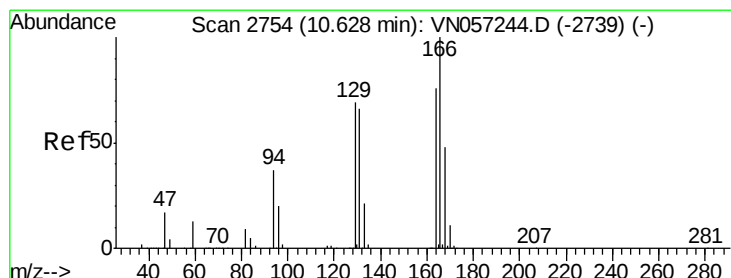
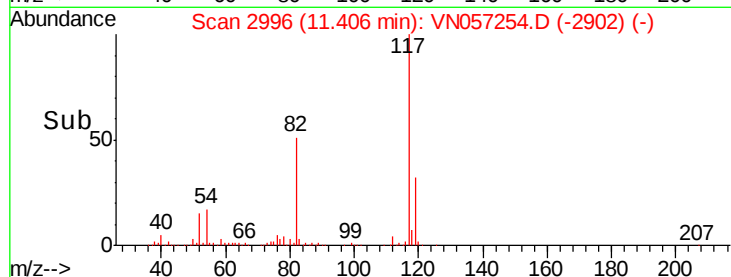
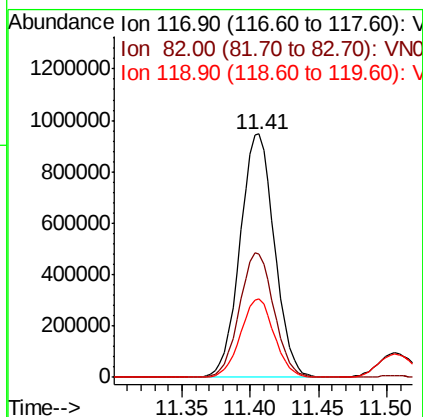
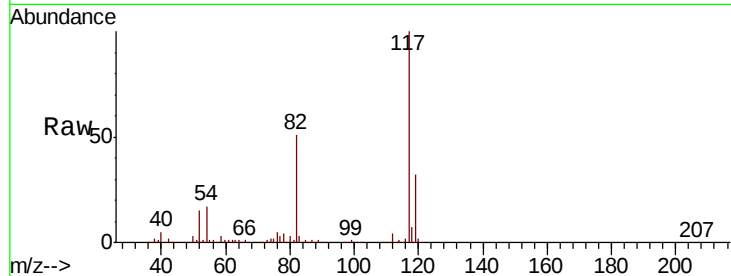




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

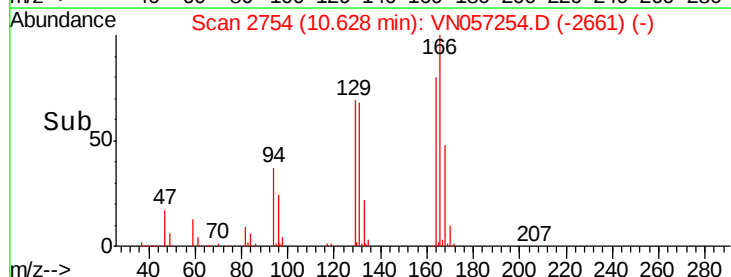
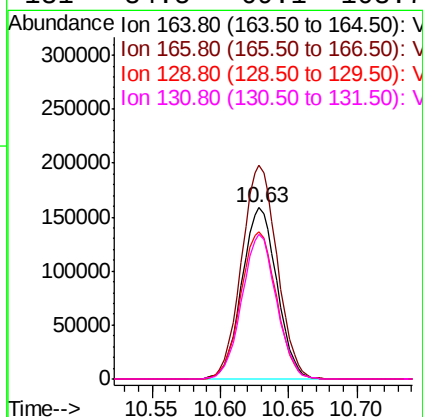
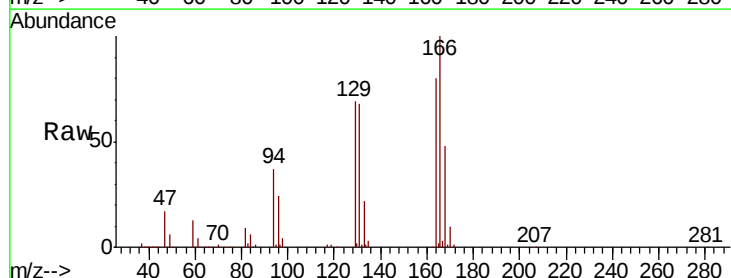
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

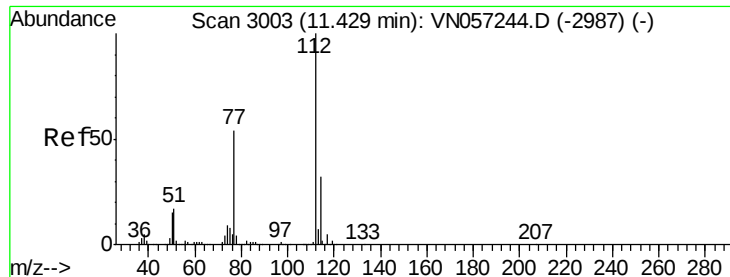
Tgt Ion:117 Resp: 1652060
Ion Ratio Lower Upper
117 100
82 50.7 40.9 61.3
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 19.435 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion:164 Resp: 283595
Ion Ratio Lower Upper
164 100
166 124.9 104.9 157.3
129 85.9 71.9 107.9
131 84.5 69.1 103.7





#65

Chlorobenzene

Concen: 18.866 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

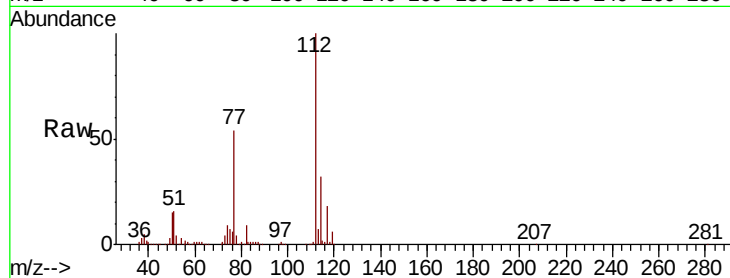
VN0813WBSD01

Tgt Ion:112 Resp: 637765

Ion Ratio Lower Upper

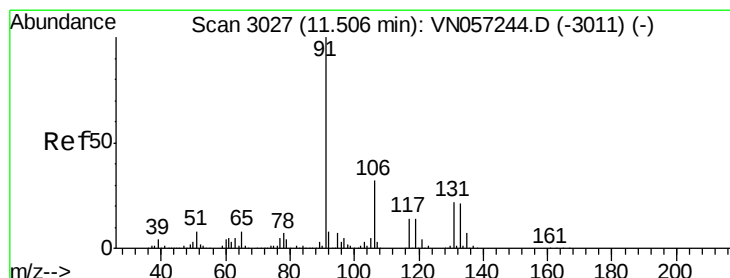
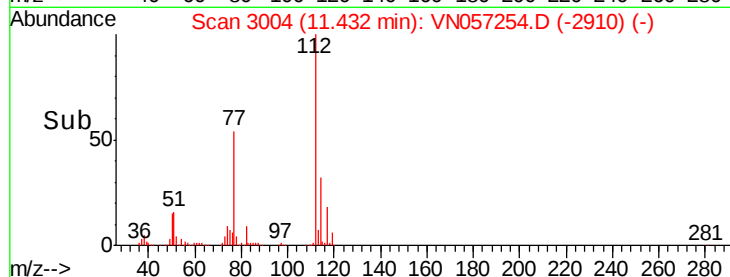
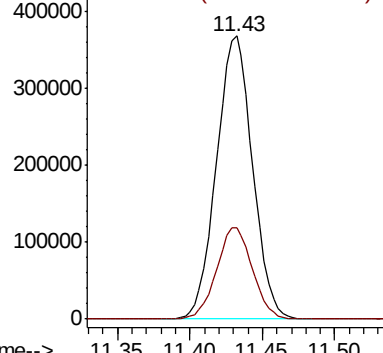
112 100

114 32.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.241 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

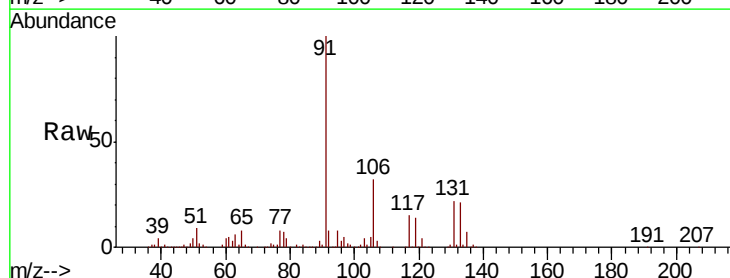
Tgt Ion:131 Resp: 251185

Ion Ratio Lower Upper

131 100

133 93.2 46.9 140.7

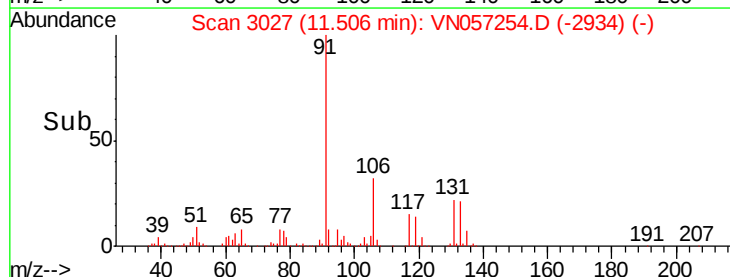
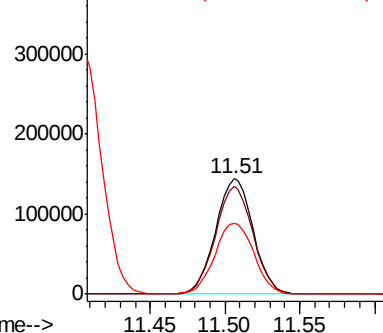
119 64.5 32.3 96.8

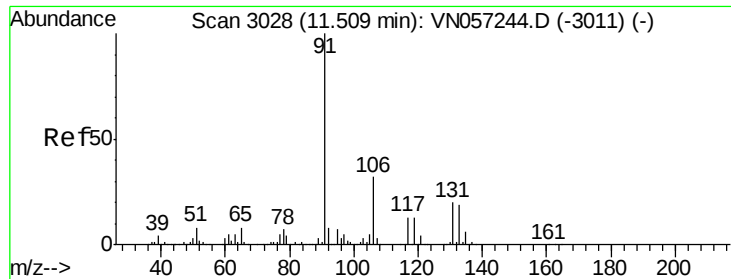


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

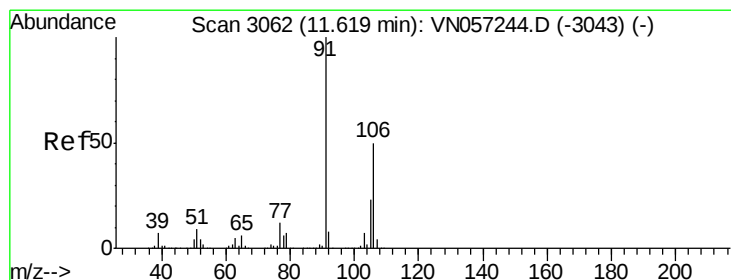
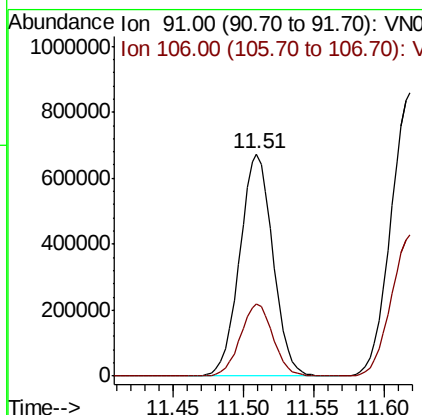
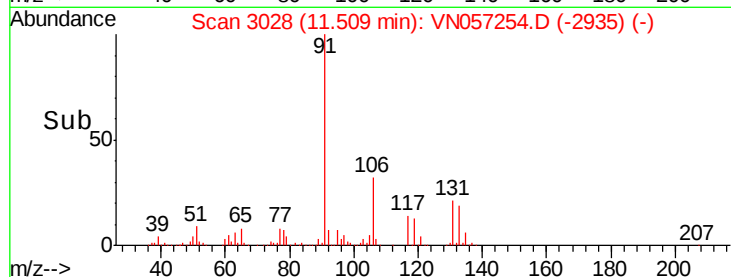
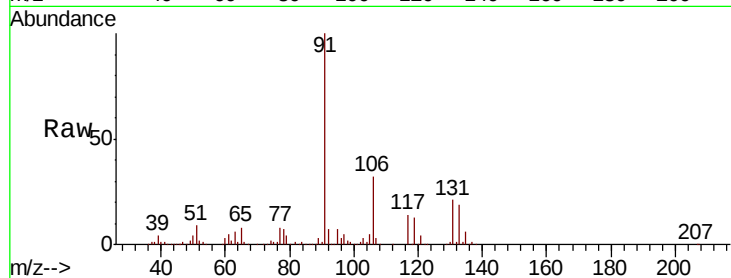




#67
Ethyl Benzene
Concen: 19.189 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

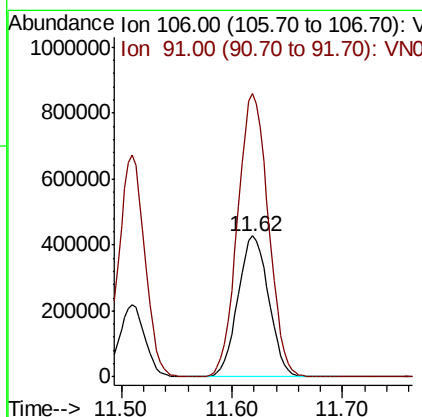
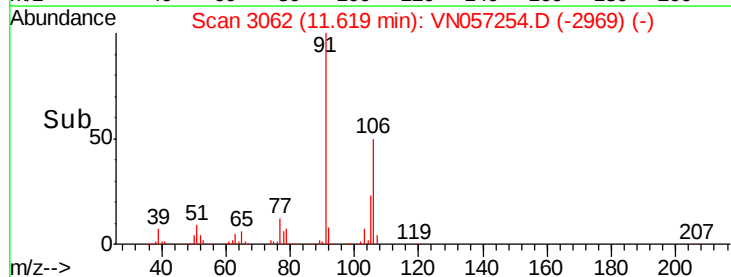
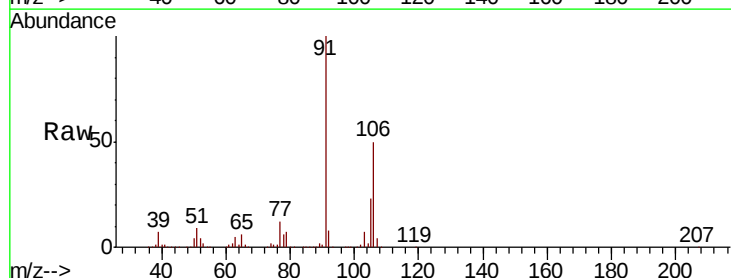
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

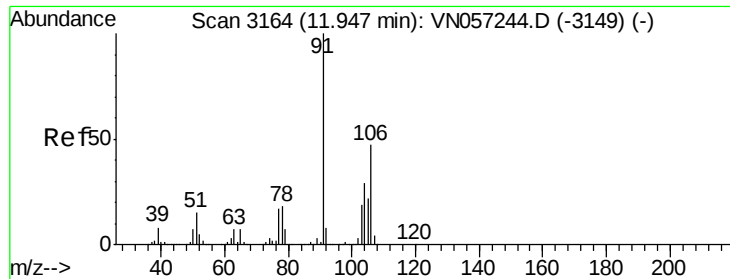
Tgt Ion: 91 Resp: 1107429
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0



#68
m/p-Xylenes
Concen: 38.345 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 106 Resp: 825676
Ion Ratio Lower Upper
106 100
91 200.8 161.4 242.0

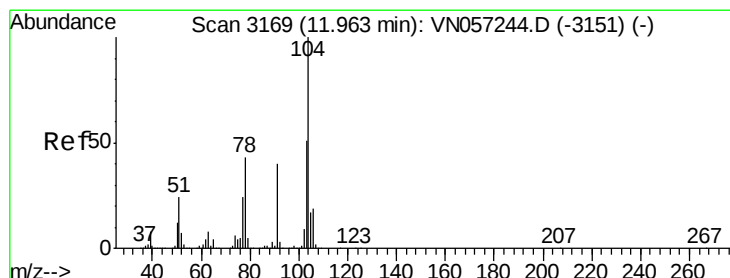
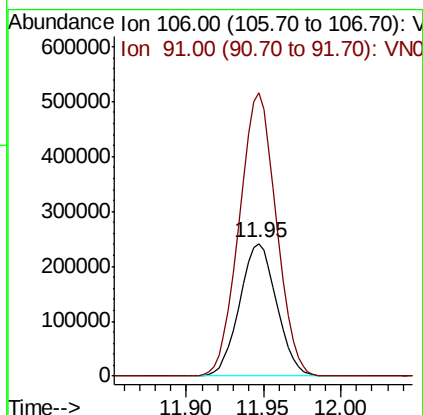
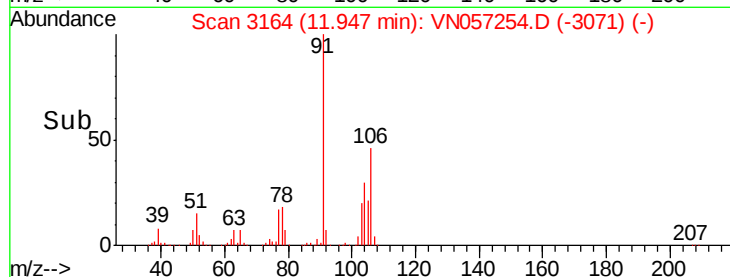
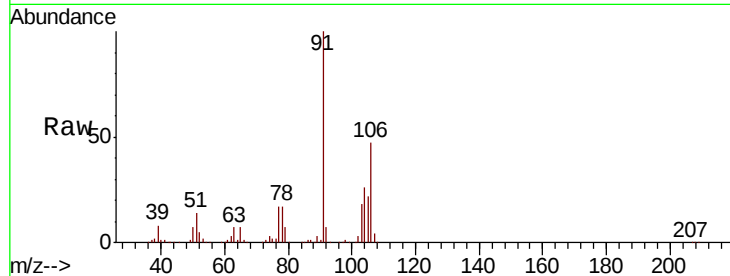




#69
o-Xylene
Concen: 19.089 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

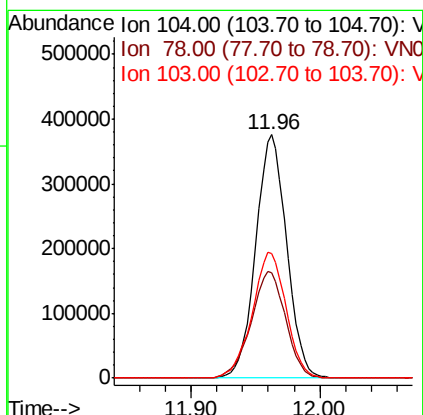
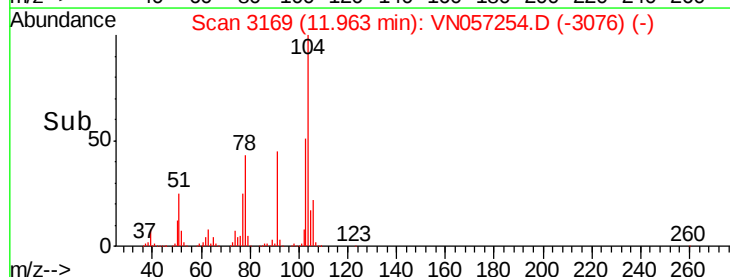
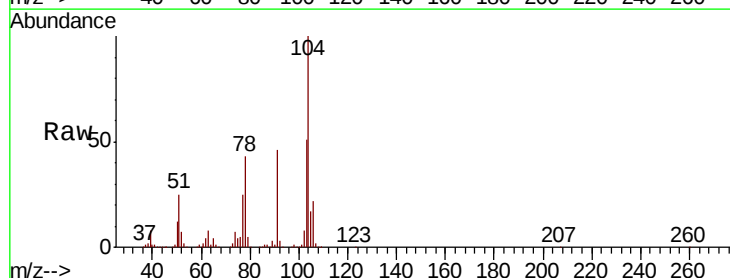
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

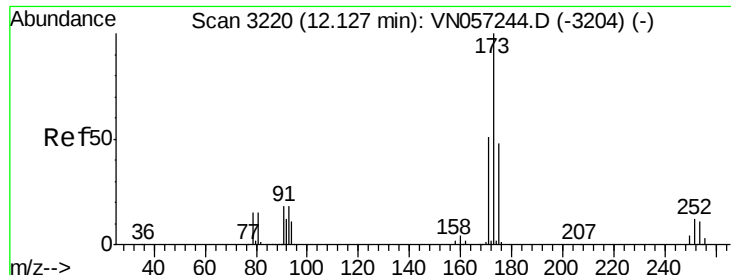
Tgt Ion:106 Resp: 402466
Ion Ratio Lower Upper
106 100
91 213.3 106.5 319.4



#70
Styrene
Concen: 19.342 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion:104 Resp: 631352
Ion Ratio Lower Upper
104 100
78 48.5 38.6 57.8
103 56.3 43.9 65.9





#71

Bromoform

Concen: 19.242 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampled :

VN0813WBSD01

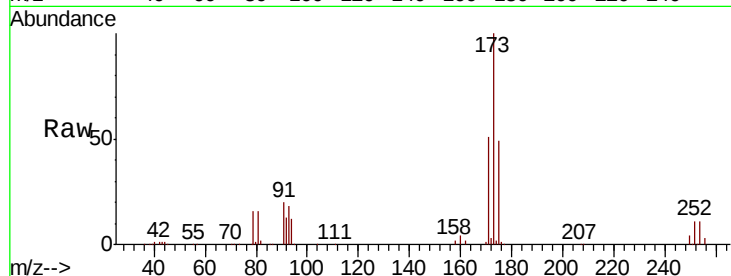
Tgt Ion:173 Resp: 192479

Ion Ratio Lower Upper

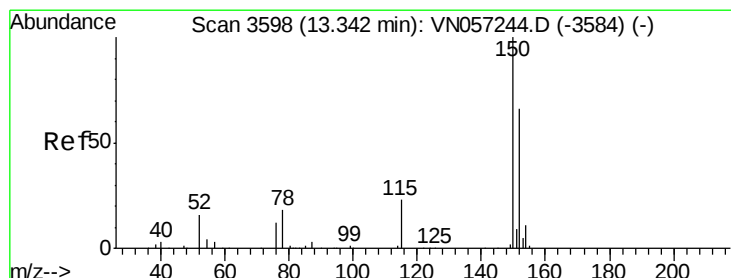
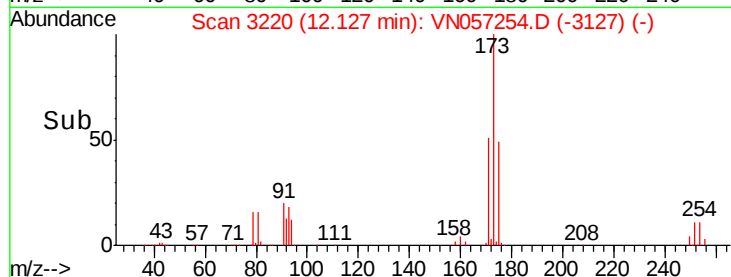
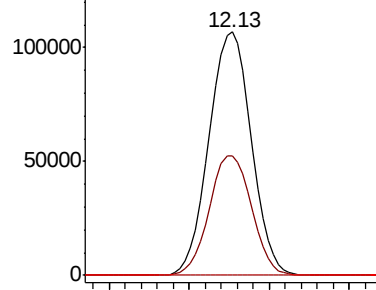
173 100

175 49.0 24.4 73.2

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

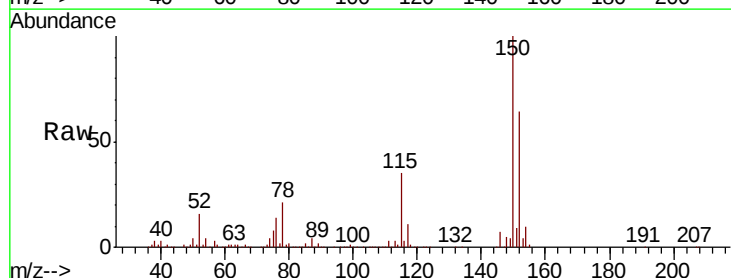
Tgt Ion:152 Resp: 589928

Ion Ratio Lower Upper

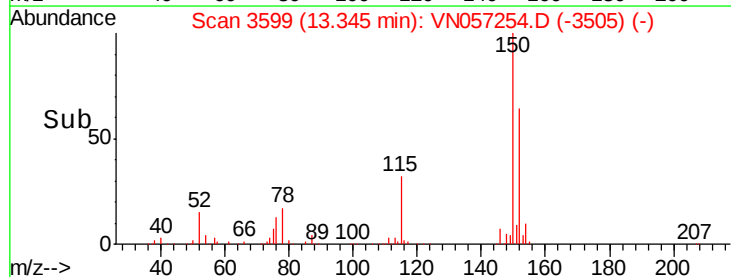
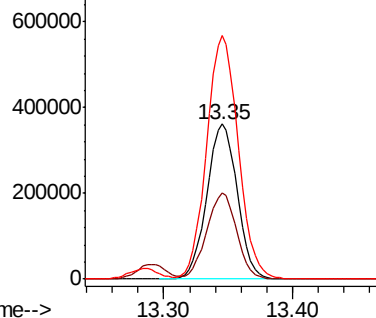
152 100

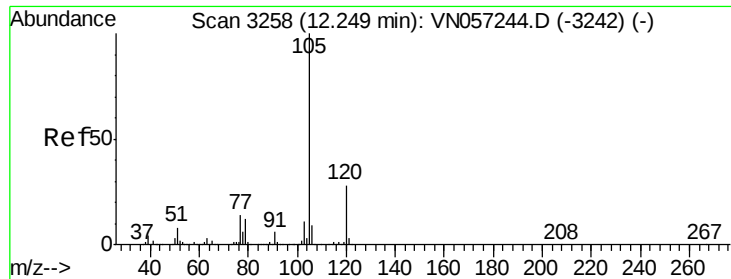
115 55.0 27.6 82.8

150 163.6 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.431 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

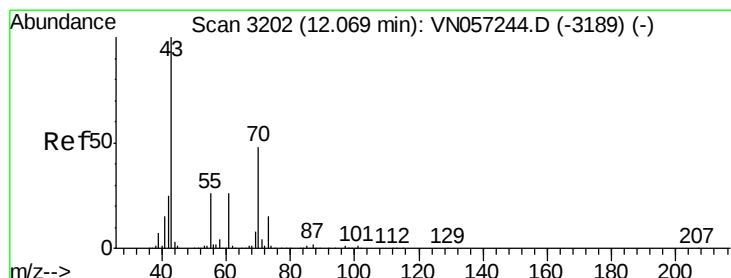
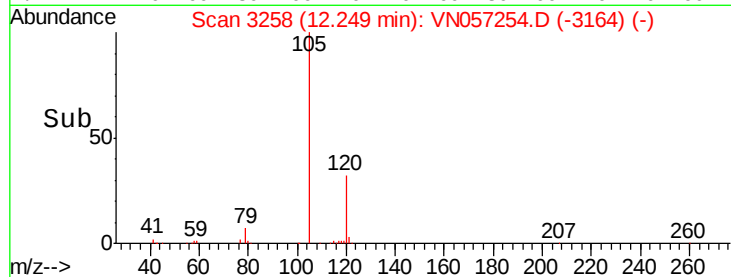
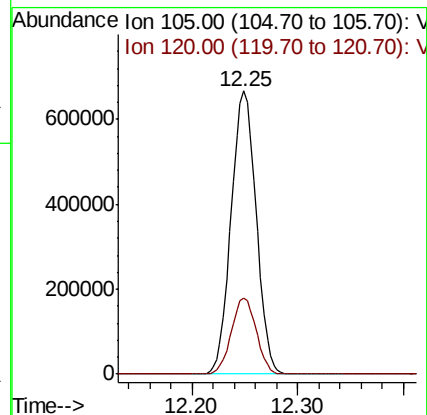
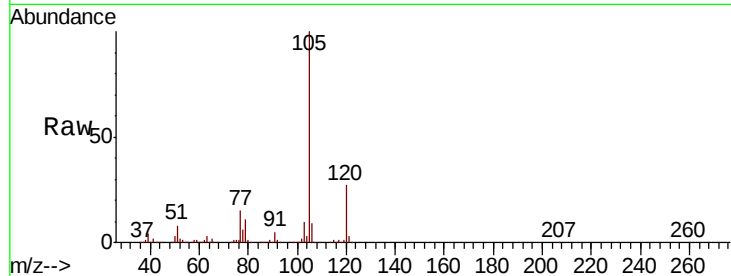
VN0813WBSD01

Tgt Ion:105 Resp: 1093779

Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3



#74

N-ethyl acetate

Concen: 21.459 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Tgt Ion: 43 Resp: 305874

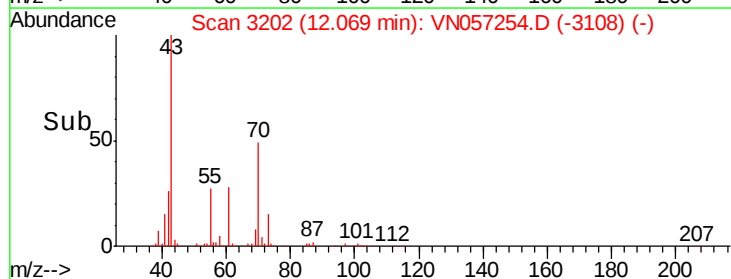
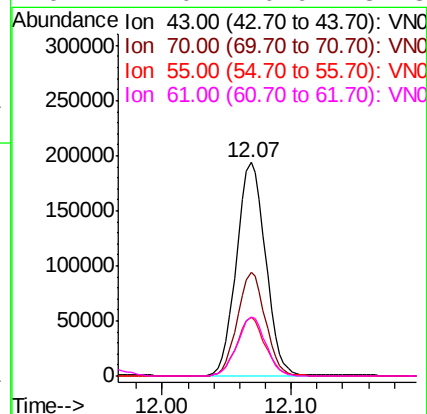
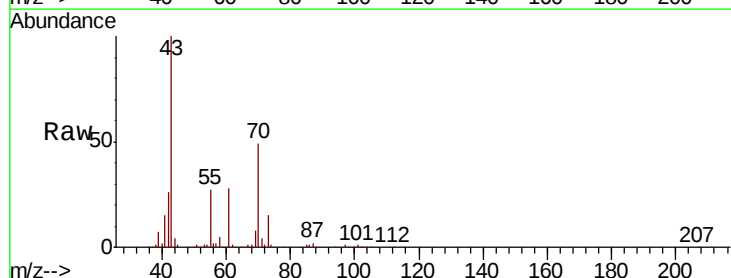
Ion Ratio Lower Upper

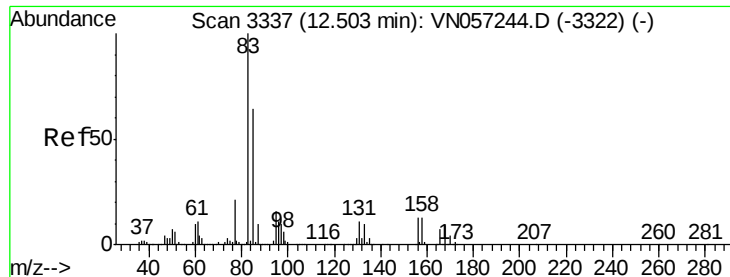
43 100

70 46.6 37.4 56.2

55 26.6 21.0 31.4

61 27.0 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.816 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

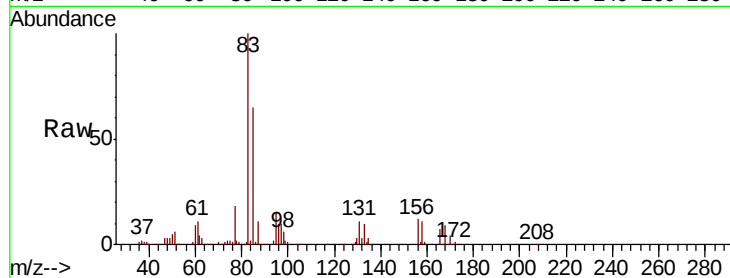
Tgt Ion: 83 Resp: 308609

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

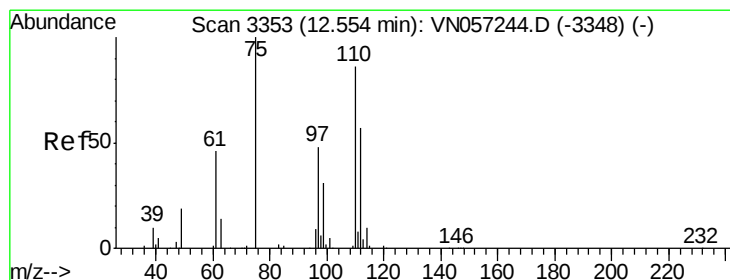
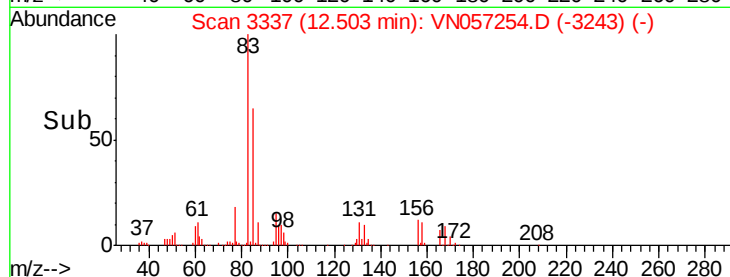
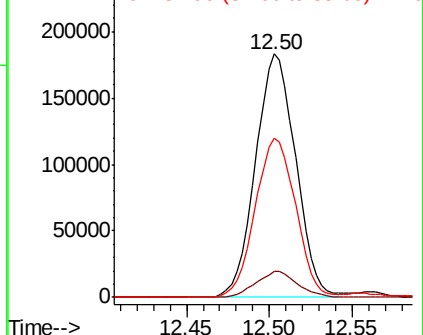
85 65.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 34.984 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057254.D

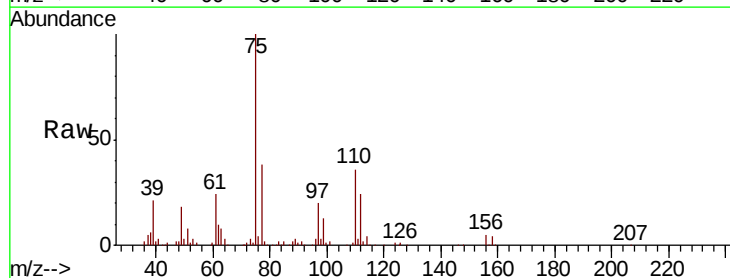
Acq: 13 Aug 2019 18:36

Tgt Ion: 75 Resp: 372101

Ion Ratio Lower Upper

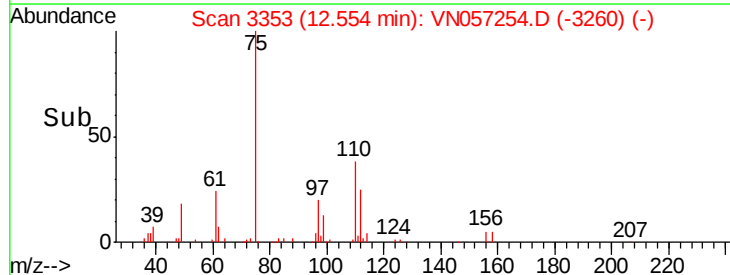
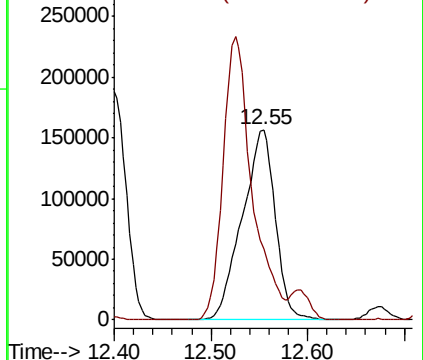
75 100

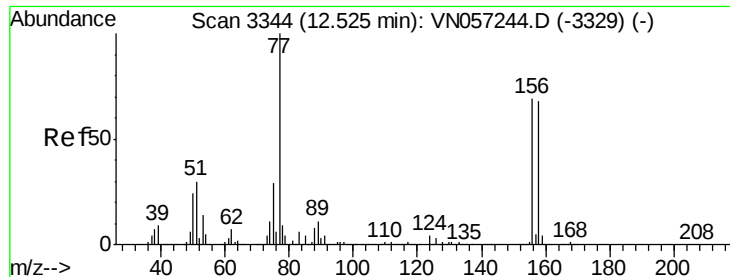
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.001 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

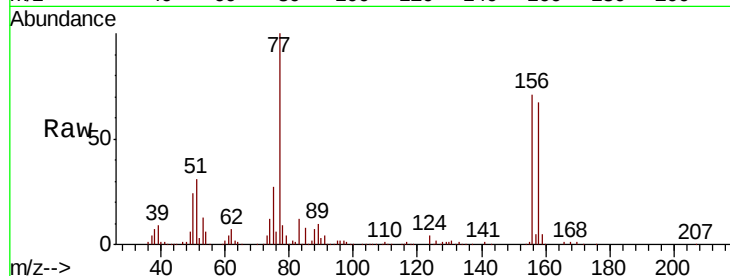
Tgt Ion:156 Resp: 286051

Ion Ratio Lower Upper

156 100

77 170.7 88.0 264.1

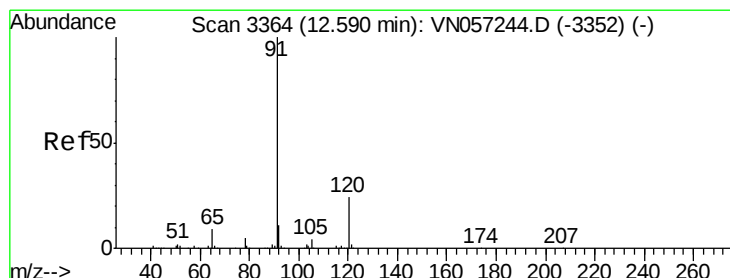
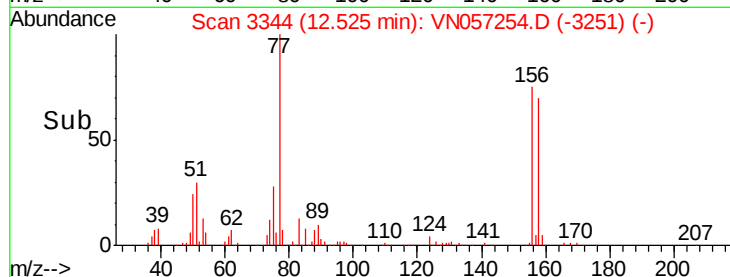
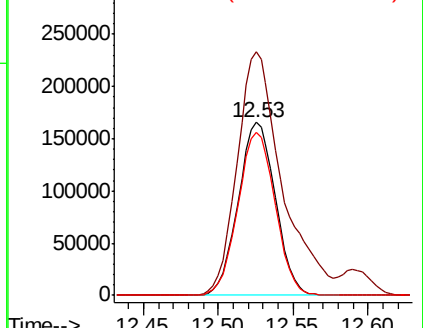
158 94.5 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.980 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057254.D

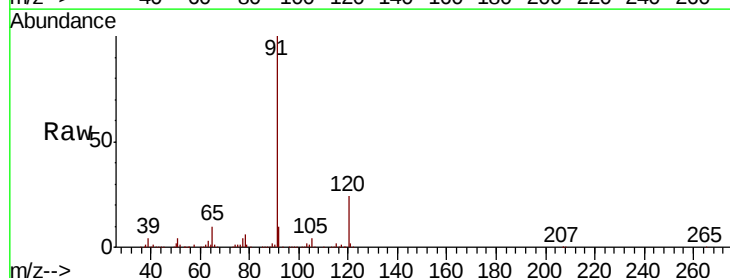
Acq: 13 Aug 2019 18:36

Tgt Ion: 91 Resp: 1071951

Ion Ratio Lower Upper

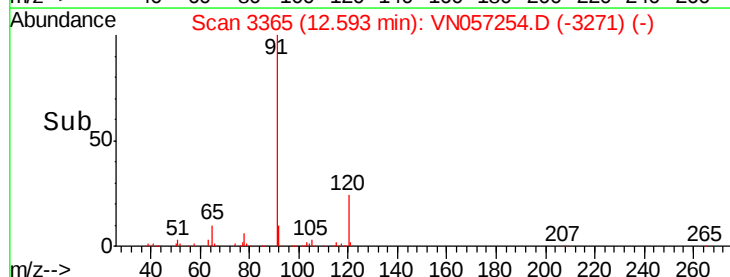
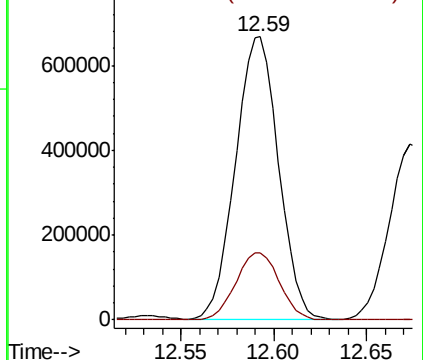
91 100

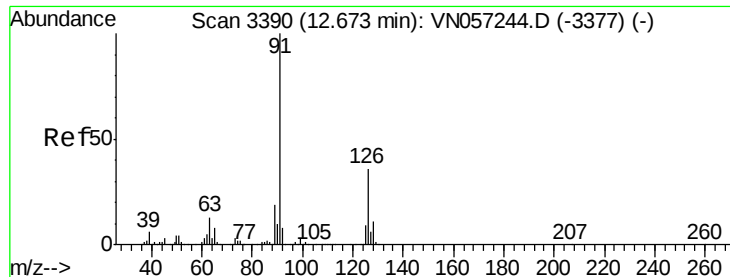
120 24.1 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.625 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

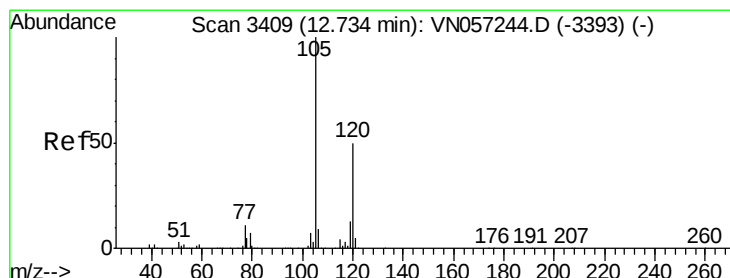
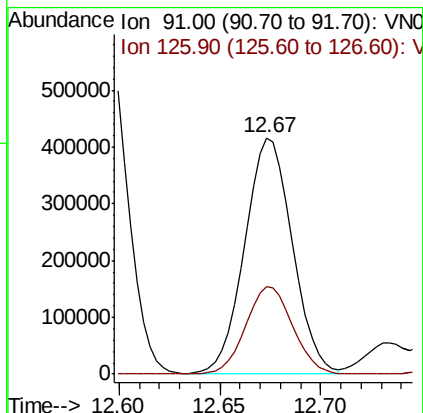
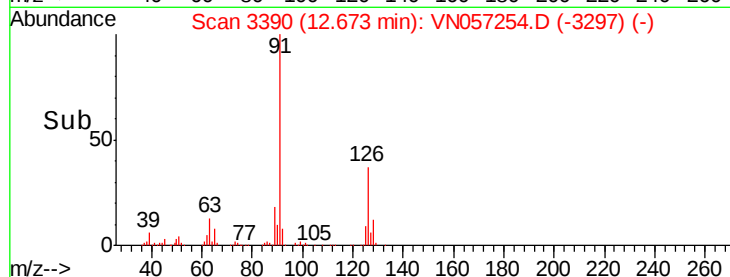
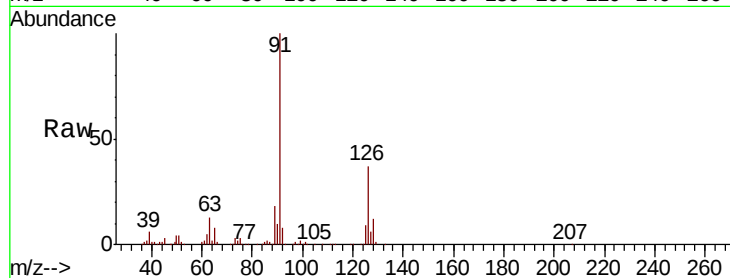
VN0813WBSD01

Tgt Ion: 91 Resp: 684864

Ion Ratio Lower Upper

91 100

126 36.8 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 21.799 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057254.D

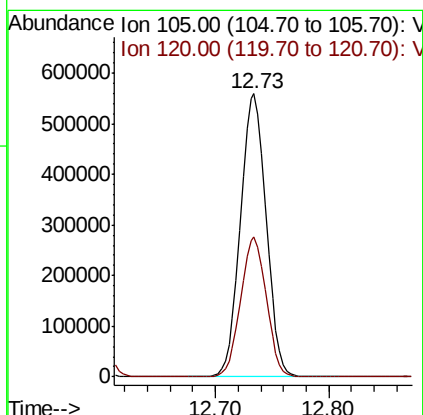
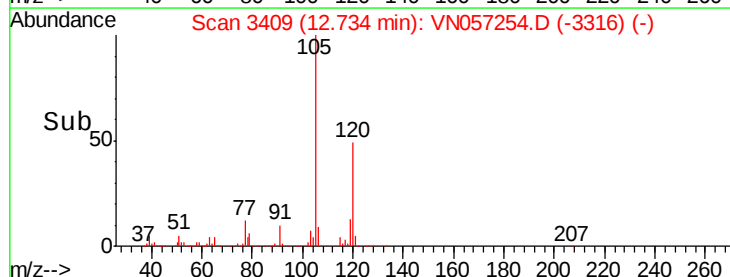
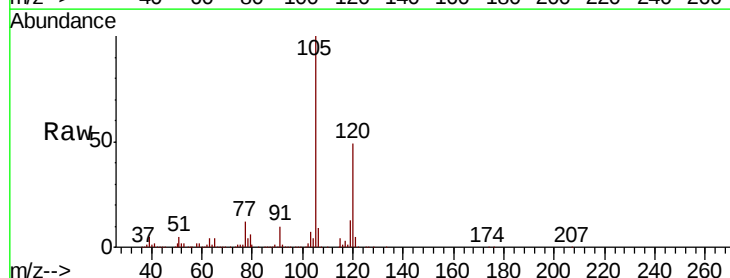
Acq: 13 Aug 2019 18:36

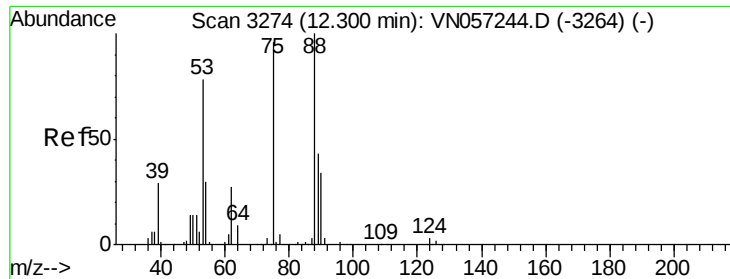
Tgt Ion: 105 Resp: 888568

Ion Ratio Lower Upper

105 100

120 49.2 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.484 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

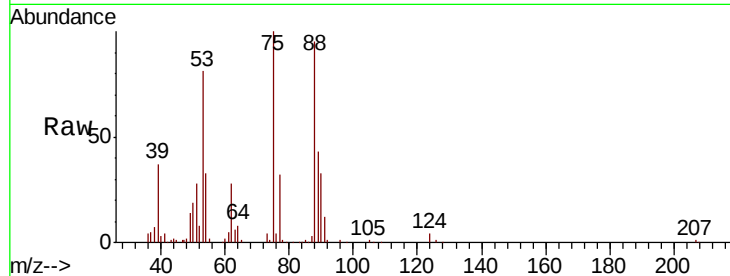
Tgt Ion: 75 Resp: 89966

Ion Ratio Lower Upper

75 100

53 84.0 65.8 98.6

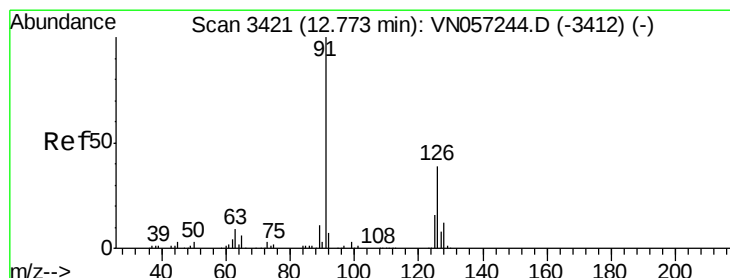
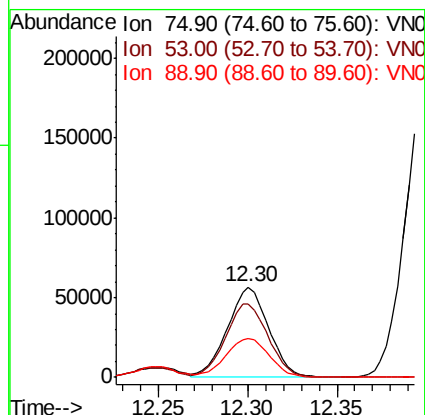
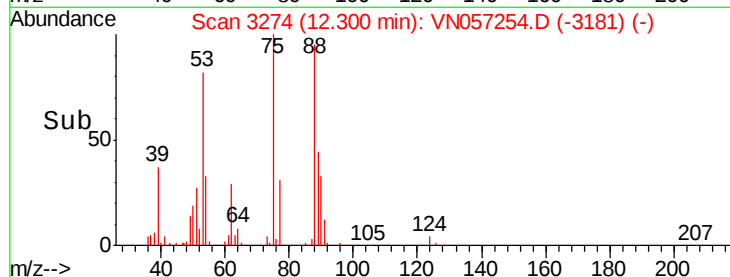
89 46.2 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.495 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057254.D

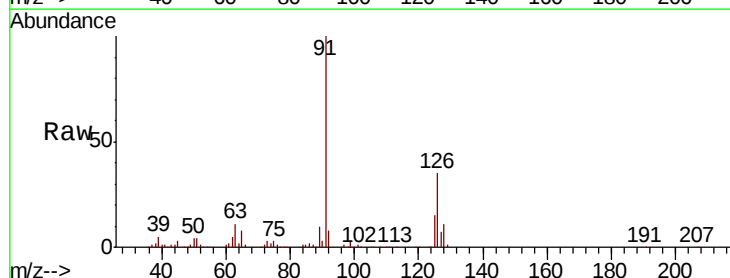
Acq: 13 Aug 2019 18:36

Tgt Ion: 91 Resp: 627222

Ion Ratio Lower Upper

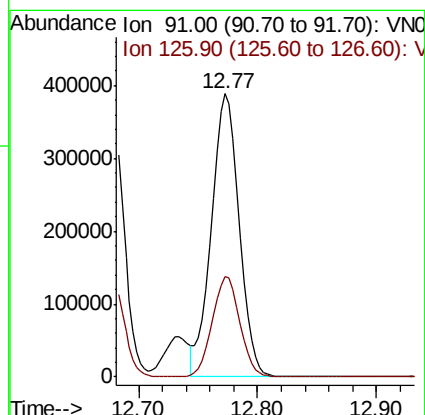
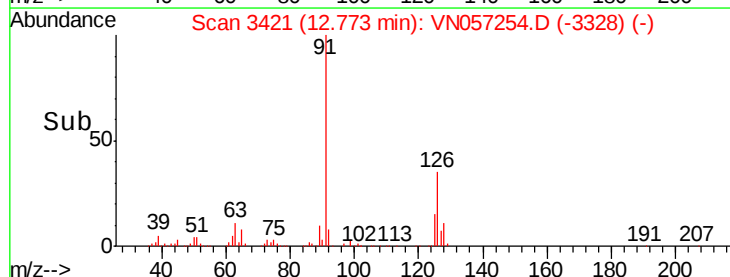
91 100

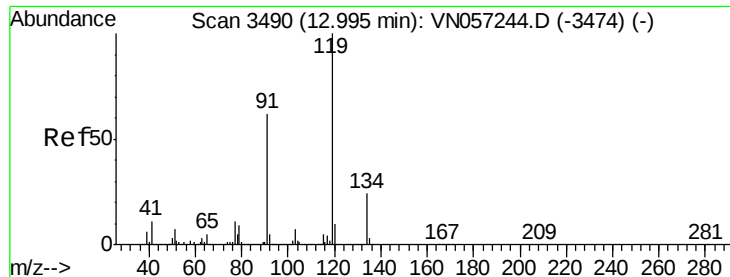
126 35.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

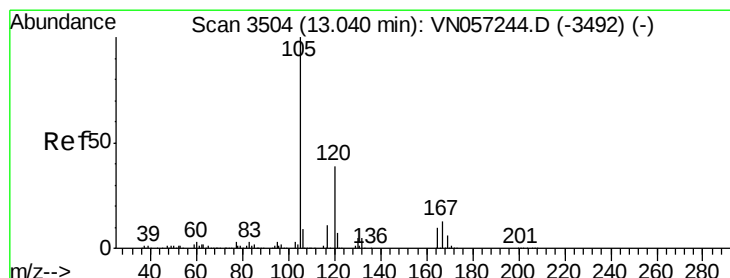
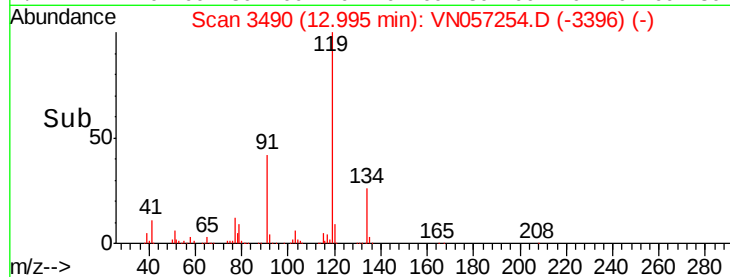
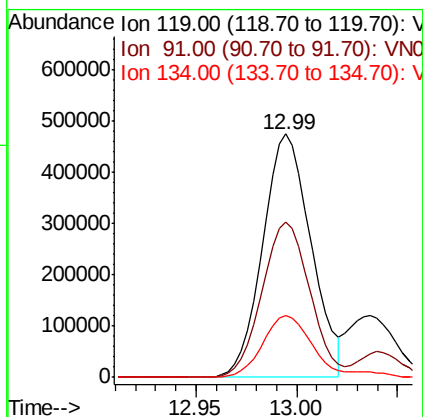
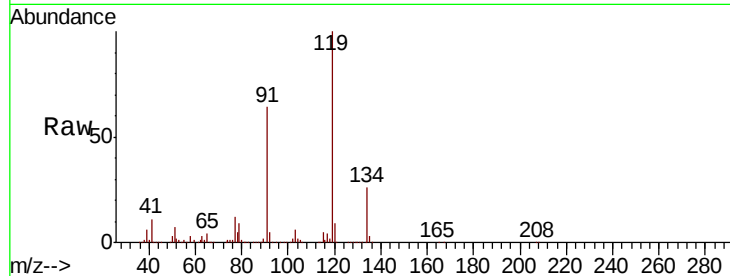




#83
 tert-Butylbenzene
 Concen: 21.525 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

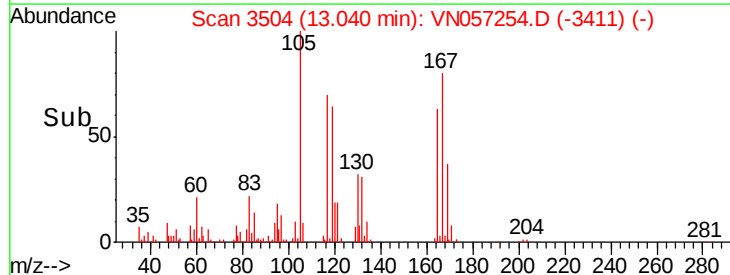
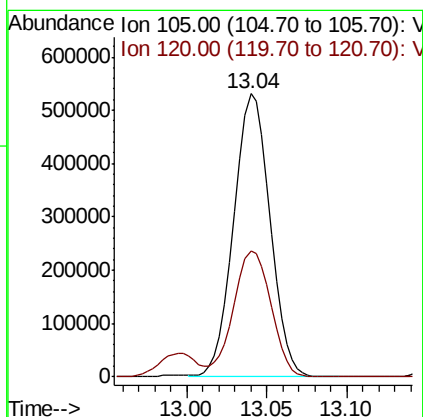
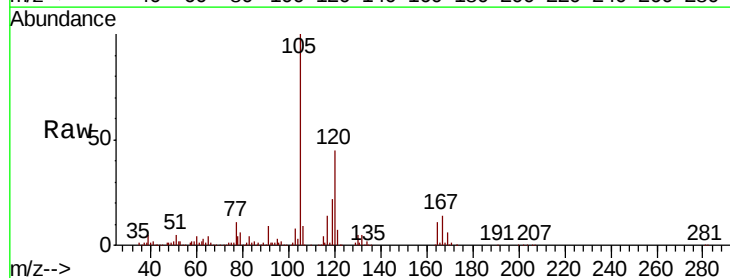
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

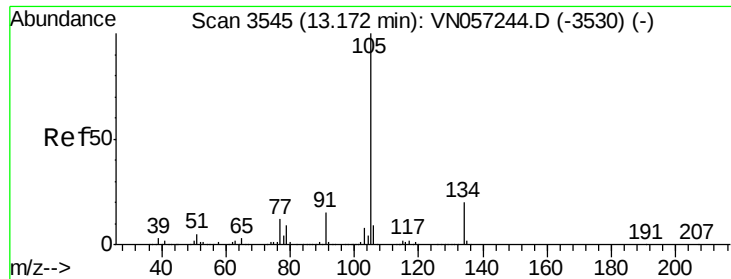
Tgt Ion:119 Resp: 790616
 Ion Ratio Lower Upper
 119 100
 91 63.3 30.8 92.3
 134 27.2 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.695 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion:105 Resp: 818174
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.2 69.5

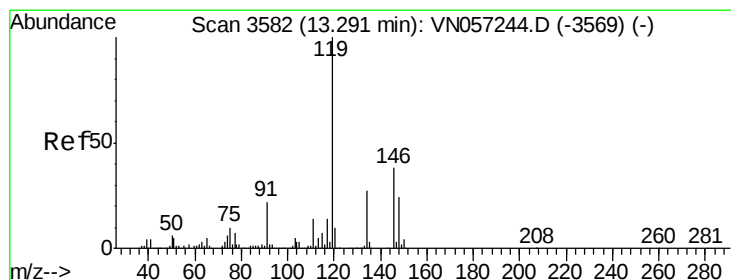
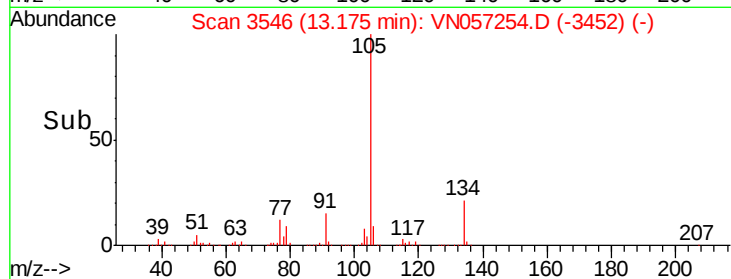
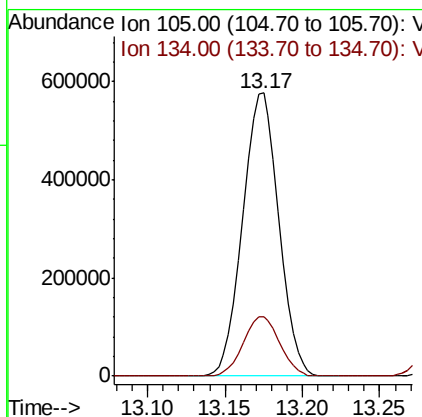
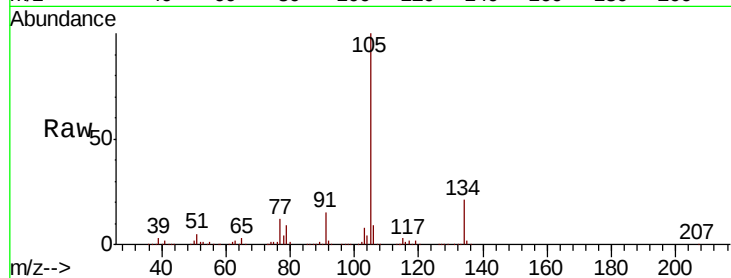




#85
 sec-Butylbenzene
 Concen: 20.744 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

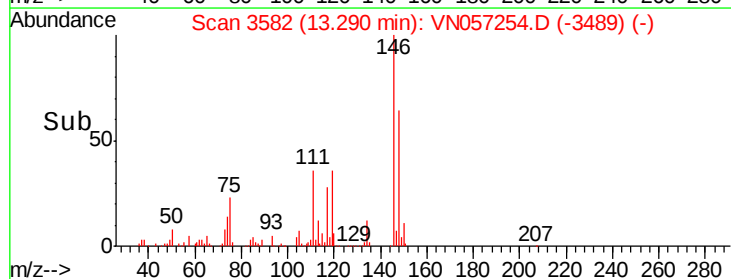
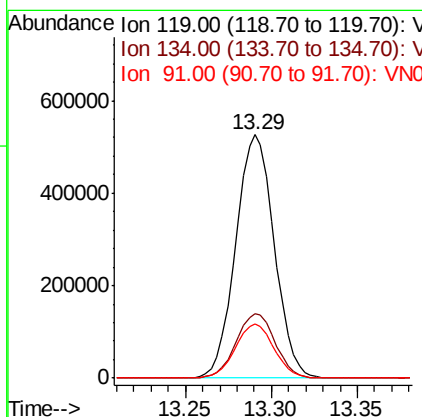
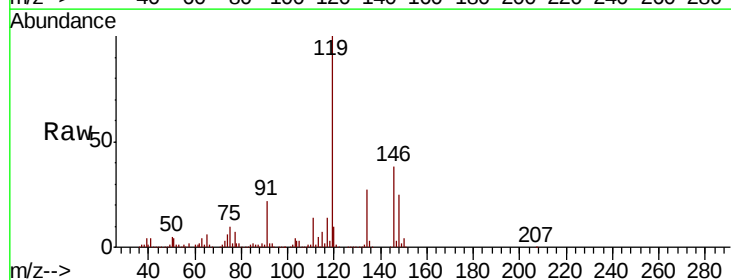
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

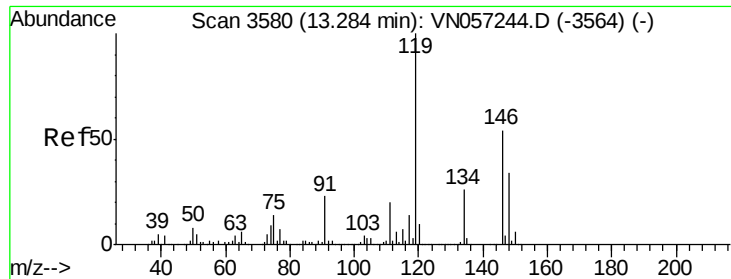
Tgt Ion:105 Resp: 938661
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 18.827 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion:119 Resp: 816698
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.5
 91 22.3 11.1 33.3

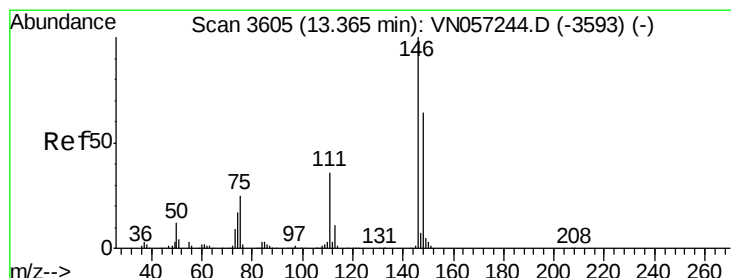
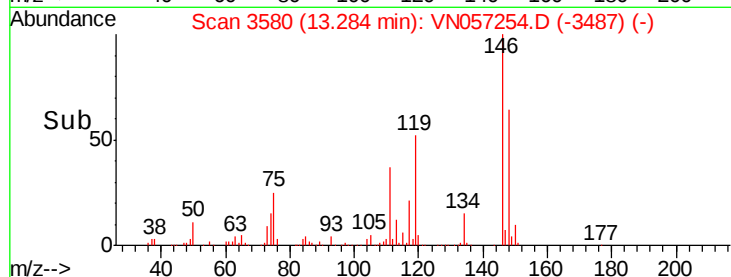
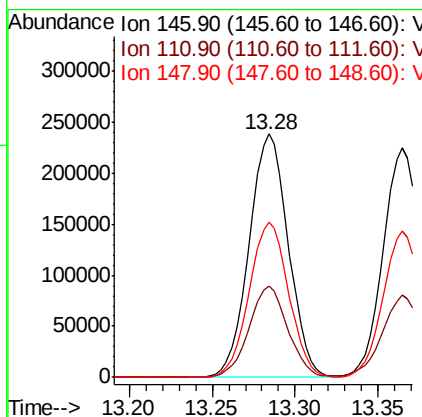
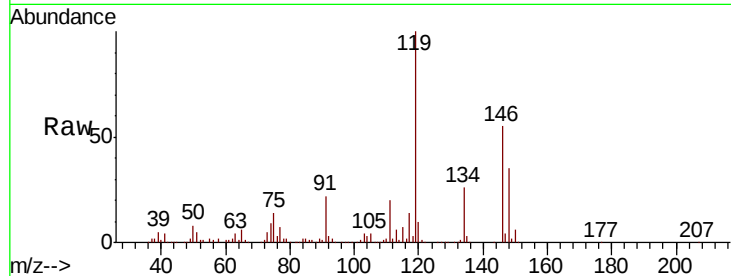




#87
 1,3-Dichlorobenzene
 Concen: 19.110 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

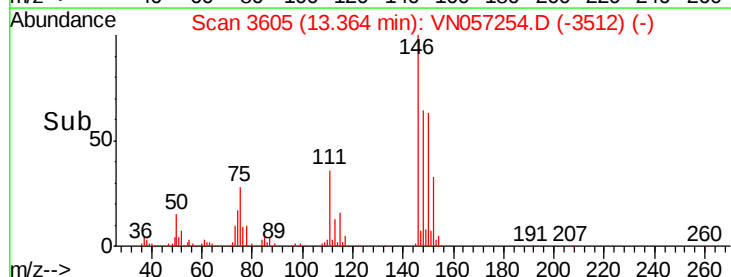
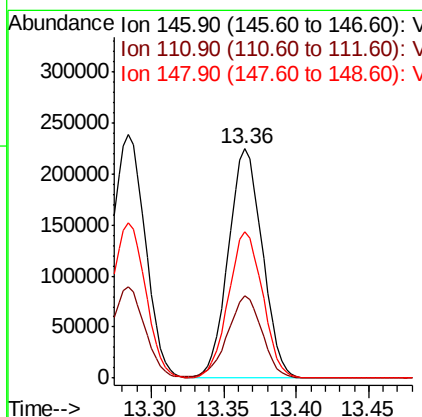
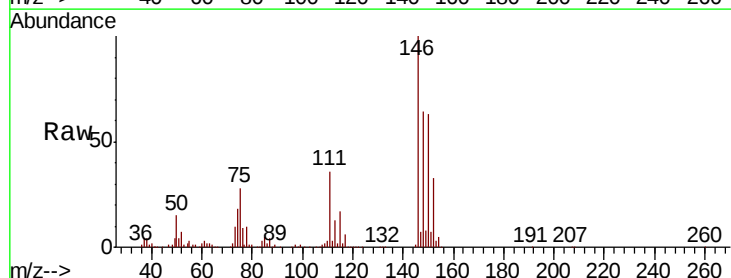
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

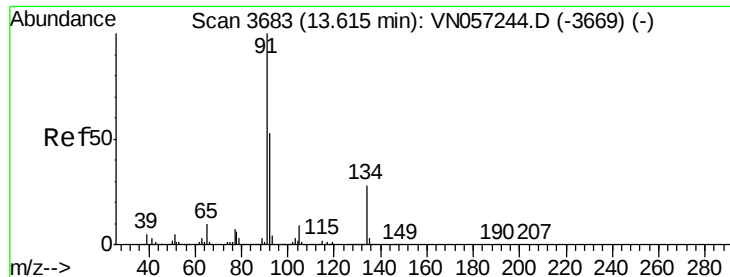
Tgt Ion:146 Resp: 390541
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 64.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.439 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion:146 Resp: 366513
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.3 54.8
 148 64.4 32.0 96.0

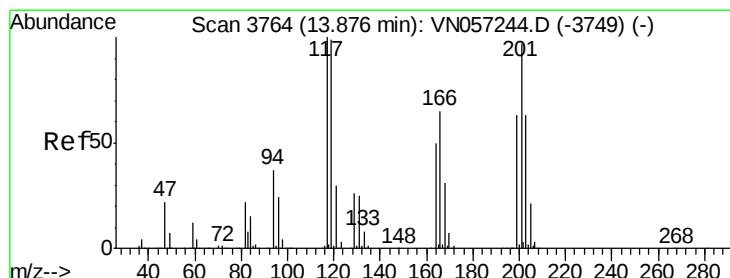
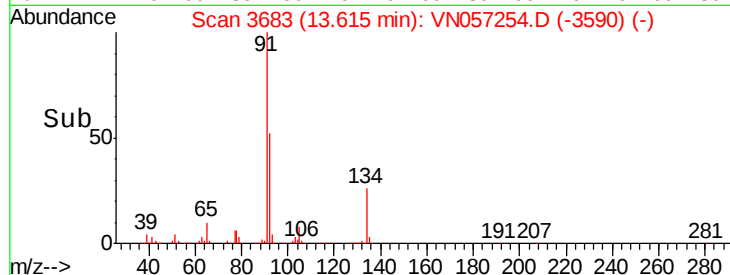
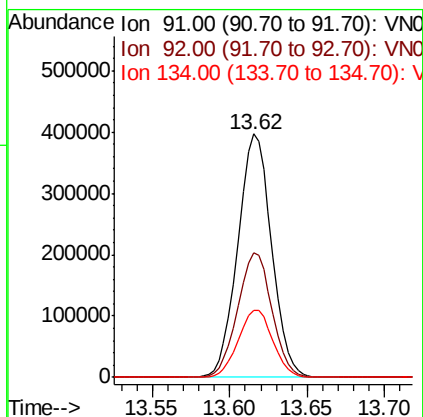
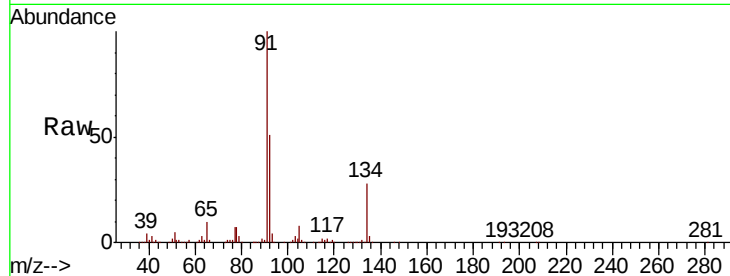




#89
n-Butylbenzene
Concen: 19.766 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

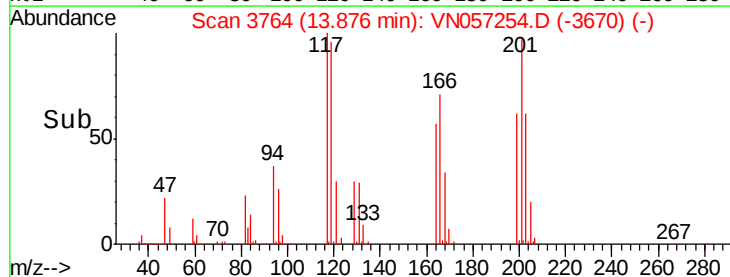
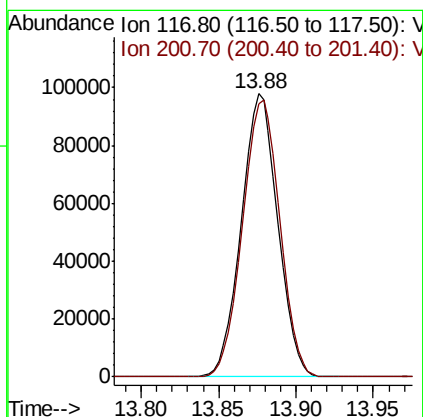
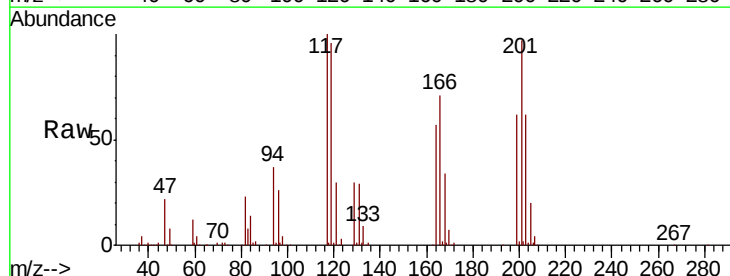
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

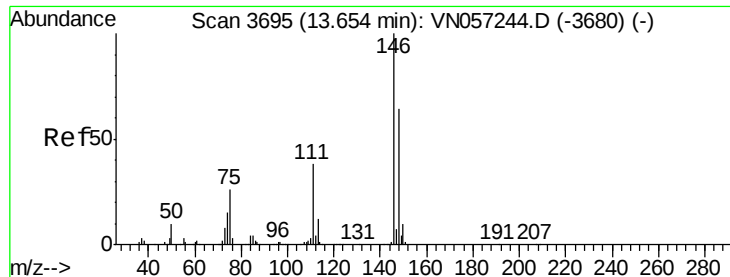
Tgt Ion: 91 Resp: 601419
Ion Ratio Lower Upper
91 100
92 51.9 26.3 78.9
134 28.4 14.1 42.3



#90
Hexachloroethane
Concen: 21.274 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 117 Resp: 160999
Ion Ratio Lower Upper
117 100
201 99.8 49.5 148.5

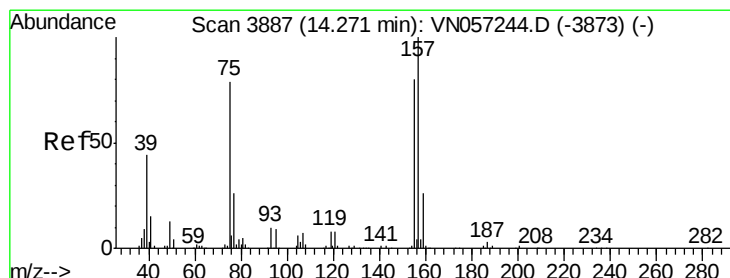
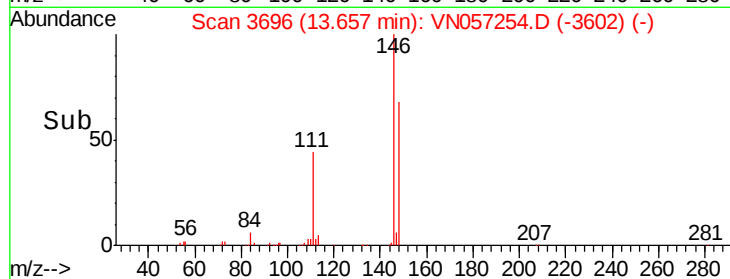
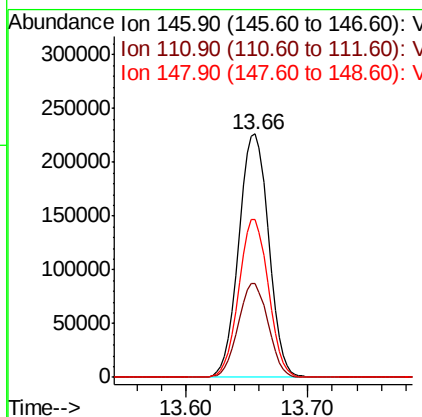
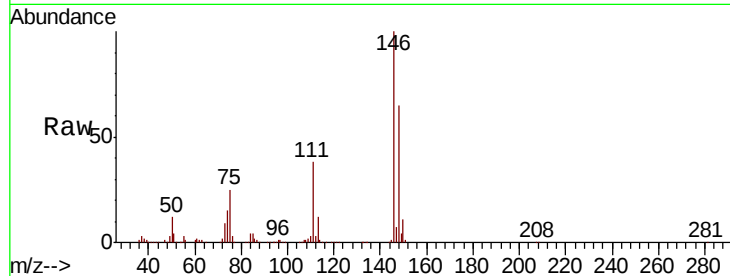




#91
 1,2-Dichlorobenzene
 Concen: 19.197 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

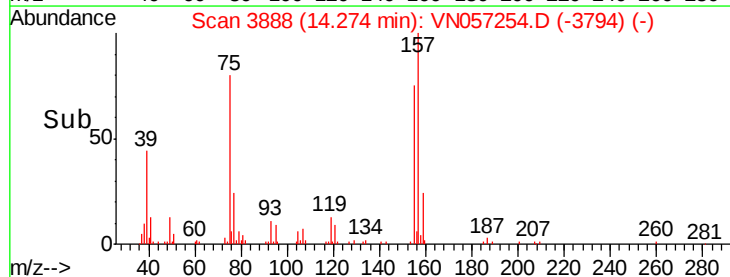
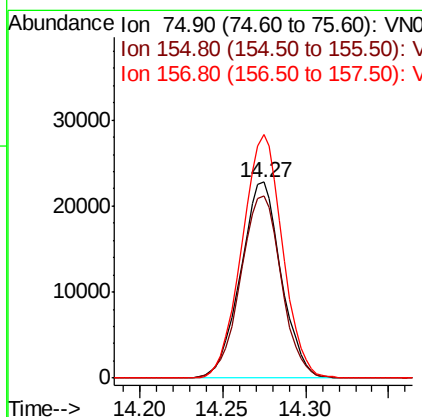
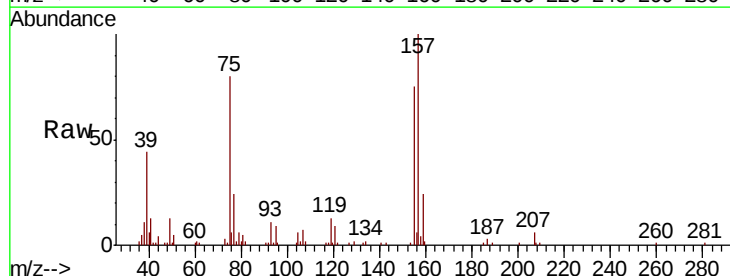
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

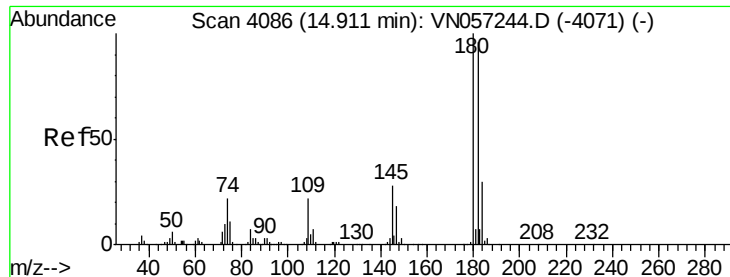
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	64.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.595 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	50.3	151.0
157	124.5	65.3	195.9

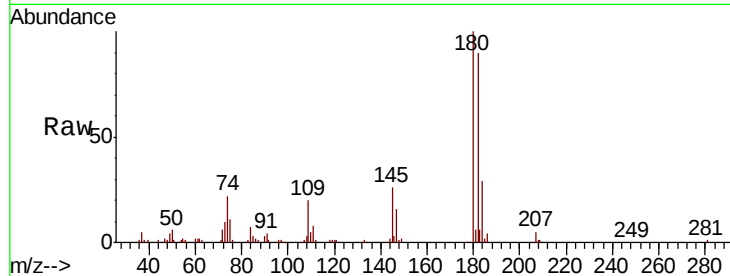




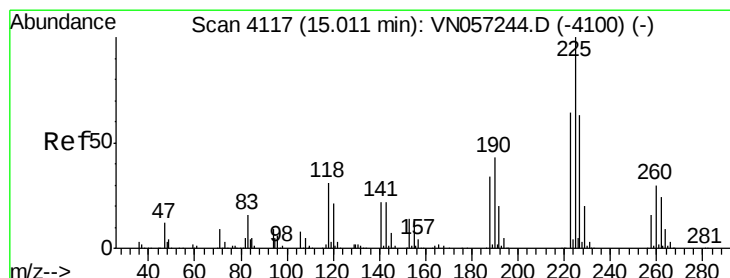
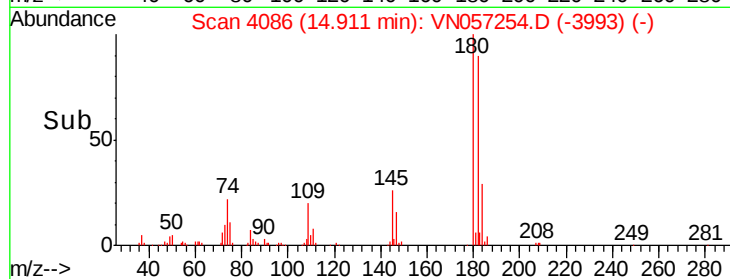
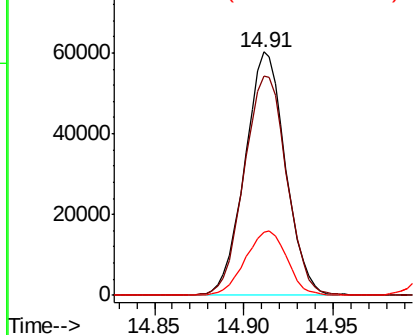
#93
 1,2,4-Trichlorobenzene
 Concen: 14.775 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tgt Ion:180 Resp: 95743
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.7 143.1
 145 27.1 14.2 42.6

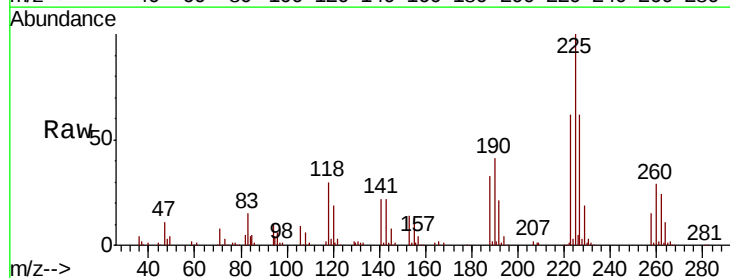


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

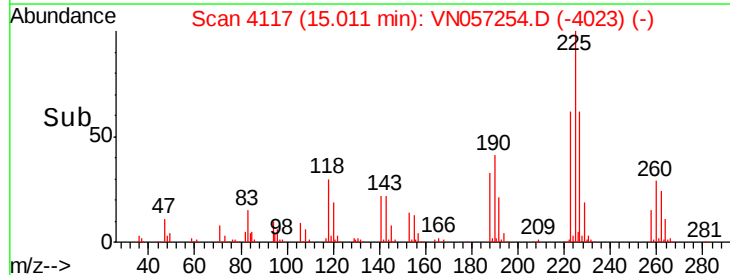
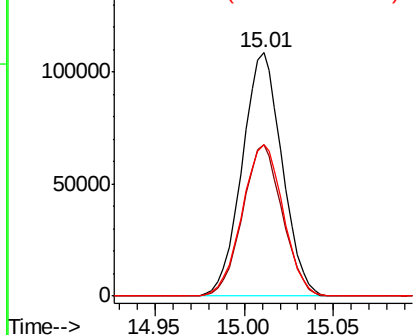


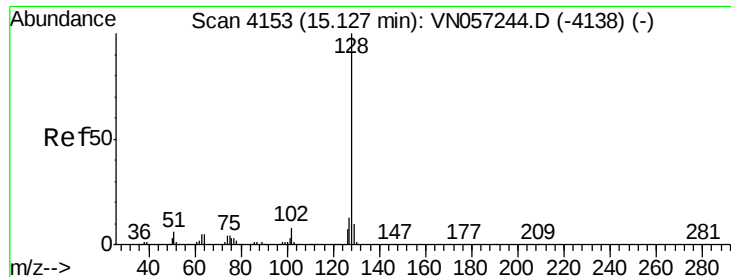
#94
 Hexachlorobutadiene
 Concen: 20.003 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion:225 Resp: 170302
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.2
 227 64.1 31.4 94.3



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





#95

Naphthalene

Concen: 17.760 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

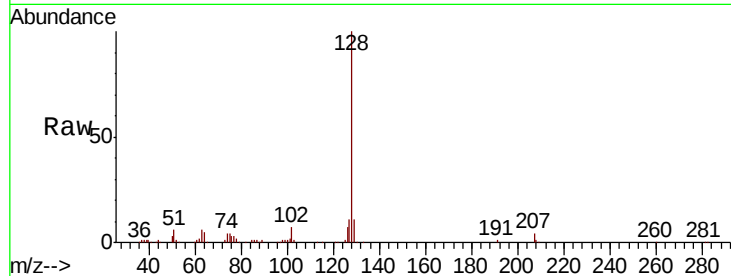
Tgt Ion:128 Resp: 180197

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

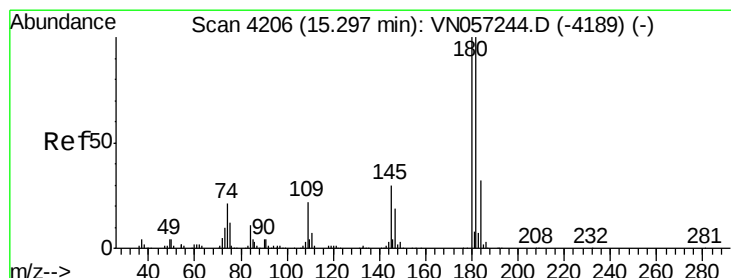
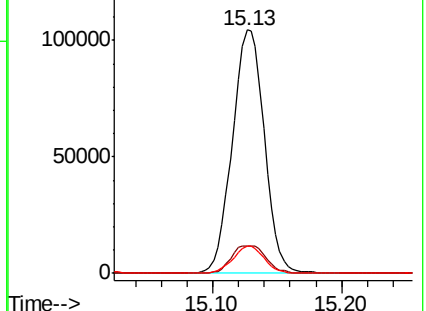
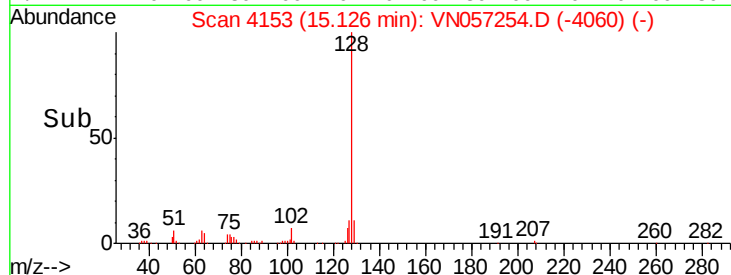
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.884 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

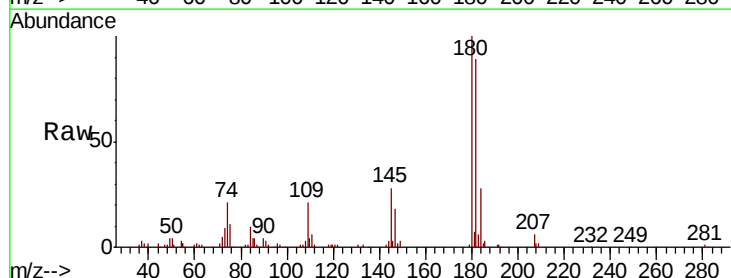
Tgt Ion:180 Resp: 96390

Ion Ratio Lower Upper

180 100

182 91.8 48.9 146.7

145 28.2 15.0 45.1



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

