

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056854.D
 Acq On : 22 Jul 2019 13:34
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 23 01:12:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	350417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	528571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	235048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	366197	95.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.40%	
35) Dibromofluoromethane	7.59	113	336683	102.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.04%	
50) Toluene-d8	10.09	98	1284604	100.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.76%	
62) 4-Bromofluorobenzene	12.40	95	450431	105.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	435323	123.452	ug/l	99
3) Chloromethane	2.06	50	490093	106.605	ug/l	99
4) Vinyl Chloride	2.18	62	465968	106.015	ug/l	99
5) Bromomethane	2.53	94	263231	102.110	ug/l	97
6) Chloroethane	2.69	64	247375	98.100	ug/l	99
7) Trichlorofluoromethane	3.00	101	550926	99.241	ug/l	98
8) Diethyl Ether	3.40	74	205809	96.753	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	338304	101.183	ug/l	98
10) Methyl Iodide	3.94	142	485618	107.815	ug/l	100
11) Tert butyl alcohol	4.81	59	276978	439.017	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	343089	102.356	ug/l	98
13) Acrolein	3.60	56	220764	763.370	ug/l	99
14) Allyl chloride	4.31	41	580004	101.209	ug/l	99
15) Acrylonitrile	4.99	53	841823	457.221	ug/l	99
16) Acetone	3.82	43	624256	363.883	ug/l	99
17) Carbon Disulfide	4.04	76	971346	108.857	ug/l	100
18) Methyl Acetate	4.32	43	442756	90.240	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1039344	98.495	ug/l	99
20) Methylene Chloride	4.54	84	391643	98.816	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	365264	103.470	ug/l	99
22) Diisopropyl ether	5.95	45	1141259	100.391	ug/l	98
23) Vinyl Acetate	5.90	43	4306947	477.912	ug/l	100
24) 1,1-Dichloroethane	5.84	63	662612	100.441	ug/l	100
25) 2-Butanone	6.84	43	1035719	409.301	ug/l	100
26) 2,2-Dichloropropane	6.82	77	466959	99.196	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	417778	103.135	ug/l	98
28) Bromochloromethane	7.19	49	290918	94.500	ug/l	99
29) Tetrahydrofuran	7.21	42	708767	426.337	ug/l	99
30) Chloroform	7.37	83	642187	97.199	ug/l	99
31) Cyclohexane	7.65	56	627618	99.828	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	548238	104.819	ug/l	99
36) 1,1-Dichloropropene	7.79	75	506246	102.084	ug/l	99
37) Ethyl Acetate	6.93	43	423570	89.665	ug/l	99
38) Carbon Tetrachloride	7.77	117	480957	103.456	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	631660	103.208	ug/l	99
40) Benzene	8.04	78	1529843	100.712	ug/l	99
41) Methacrylonitrile	7.17	41	197820	94.104	ug/l	95
42) 1,2-Dichloroethane	8.12	62	475314	99.339	ug/l	99
43) Isopropyl Acetate	8.17	43	707903	94.638	ug/l #	91
44) Trichloroethene	8.83	130	411070	99.547	ug/l	98
45) 1,2-Dichloropropane	9.12	63	407865	101.283	ug/l	98
46) Dibromomethane	9.21	93	250672	100.750	ug/l	100
47) Bromodichloromethane	9.40	83	499414	105.387	ug/l	98
48) Methyl methacrylate	9.20	41	351009	96.494	ug/l	98
49) 1,4-Dioxane	9.20	88	142956	1901.914	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2131925	443.605	ug/l	100
52) Toluene	10.15	92	947031	104.827	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	545768	110.744	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	623174	108.674	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	366906	97.705	ug/l	99
56) Ethyl methacrylate	10.43	69	562476	105.306	ug/l	99
57) 1,3-Dichloropropane	10.71	76	626176	101.971	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1215378	483.186	ug/l	100
59) 2-Hexanone	10.75	43	1522493	445.840	ug/l	100
60) Dibromochloromethane	10.90	129	406548	109.937	ug/l	99
61) 1,2-Dibromoethane	11.00	107	386333	103.424	ug/l	99
64) Tetrachloroethene	10.63	164	403546	94.310	ug/l	97
65) Chlorobenzene	11.43	112	1029696	101.680	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	383112	102.818	ug/l	100
67) Ethyl Benzene	11.51	91	1825071	102.704	ug/l	100
68) m/p-Xylenes	11.62	106	1376739	207.404	ug/l	99
69) o-Xylene	11.95	106	666968	102.174	ug/l	98
70) Styrene	11.96	104	1151154	109.198	ug/l	100
71) Bromoform	12.12	173	297875	106.721	ug/l #	100
73) Isopropylbenzene	12.25	105	1776536	92.118	ug/l	100
74) N-amyl acetate	12.07	43	644071	91.698	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	502869	79.037	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	625792	122.495	ug/l #	100
77) Bromobenzene	12.52	156	471944	93.631	ug/l	99
78) n-propylbenzene	12.59	91	2028067	95.202	ug/l	99
79) 2-Chlorotoluene	12.67	91	1183761	89.798	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1502048	92.135	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158407	96.220	ug/l	97
82) 4-Chlorotoluene	12.77	91	1208718	96.624	ug/l	99
83) tert-Butylbenzene	12.99	119	1303108	91.618	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1493999	93.989	ug/l	100
85) sec-Butylbenzene	13.17	105	1723390	94.982	ug/l	99
86) p-Isopropyltoluene	13.29	119	1582590	96.476	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	803240	97.997	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	785397	98.535	ug/l	100
89) n-Butylbenzene	13.61	91	1349939	102.762	ug/l	99
90) Hexachloroethane	13.87	117	273536	102.288	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	782629	93.515	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	90546	90.903	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Jul 23 01:05:01 2019
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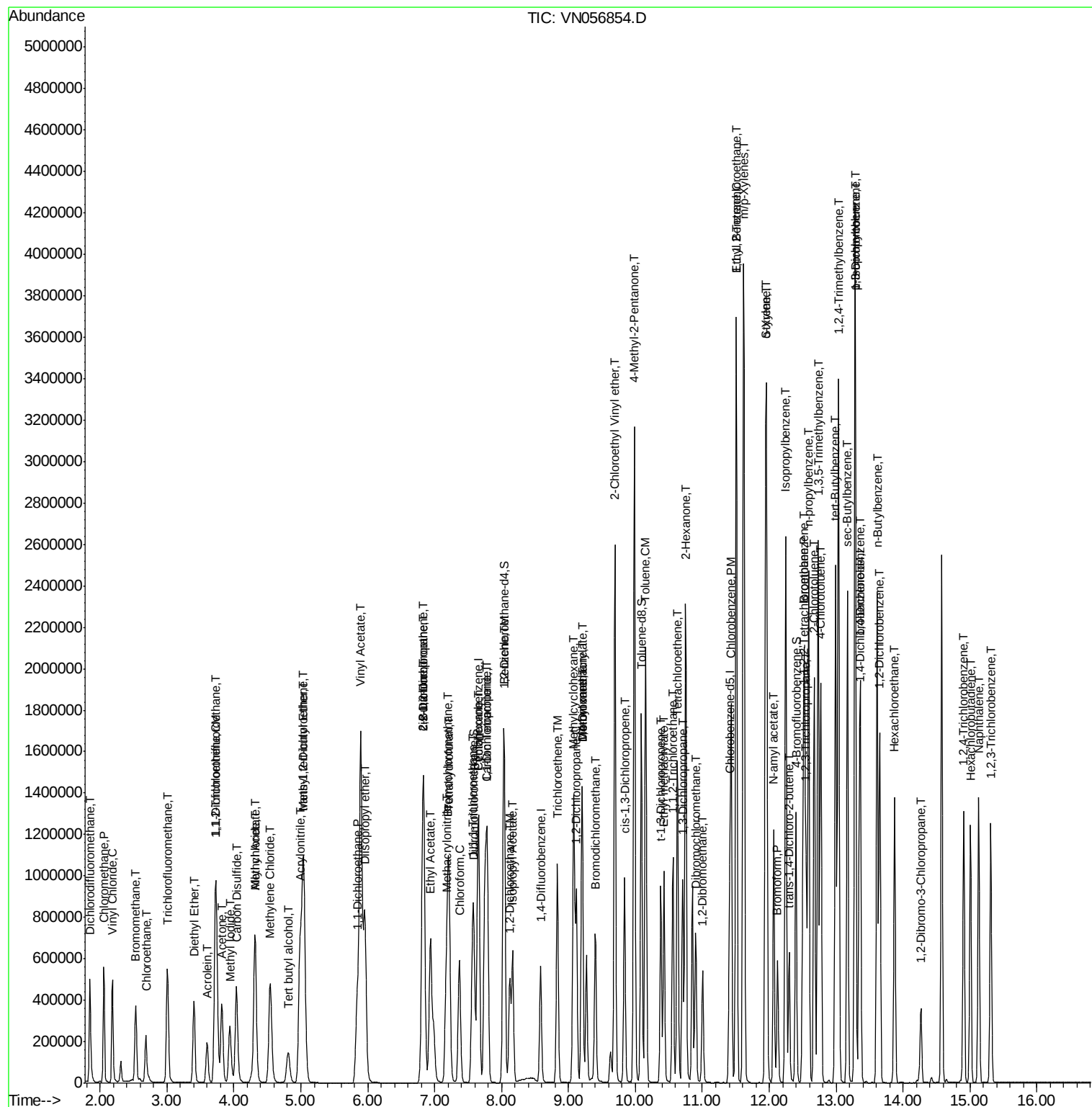
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	462698	122.751	ug/l	99
94) Hexachlorobutadiene	15.01	225	271941	90.160	ug/l	99
95) Naphthalene	15.13	128	1224006	121.505	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	472257	119.856	ug/l	99

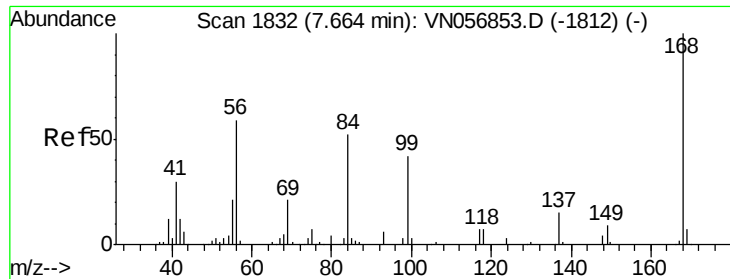
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

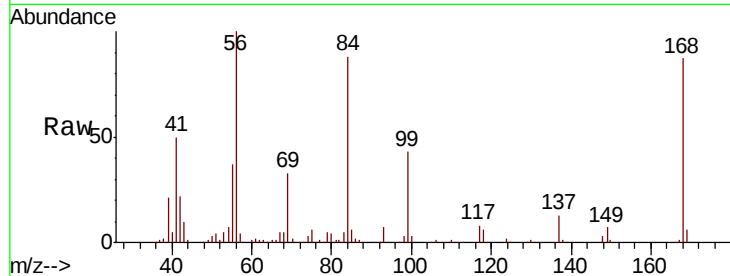
VSTDIC100

Tot Ion:168 Resp: 350417

Ion Ratio Lower Upper

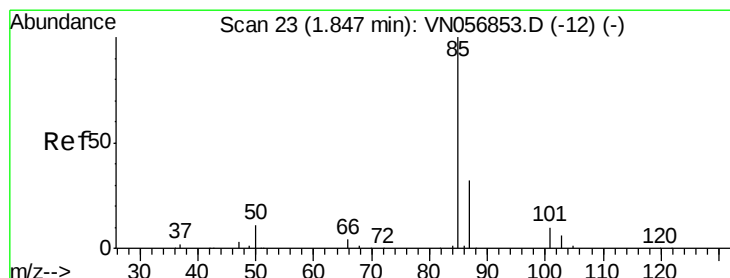
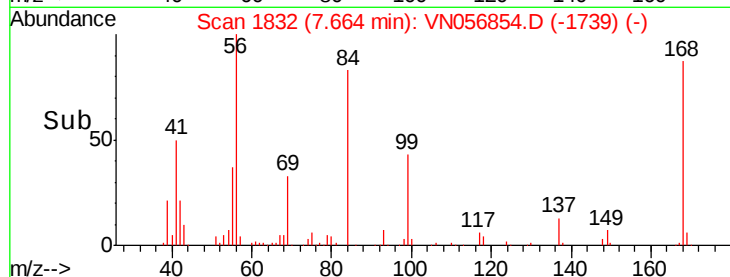
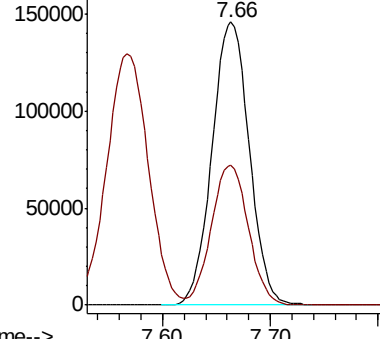
168 100

99 49.1 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 123.452 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056854.D

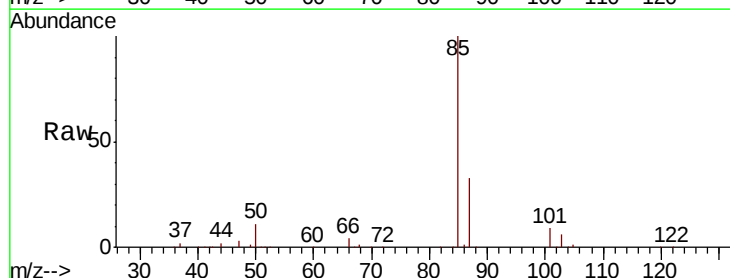
Acq: 22 Jul 2019 13:34

Tgt Ion: 85 Resp: 435323

Ion Ratio Lower Upper

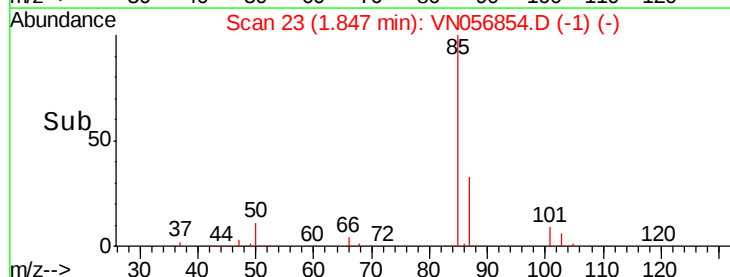
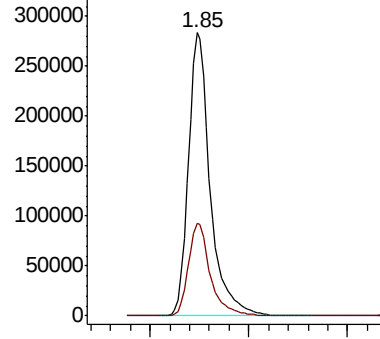
85 100

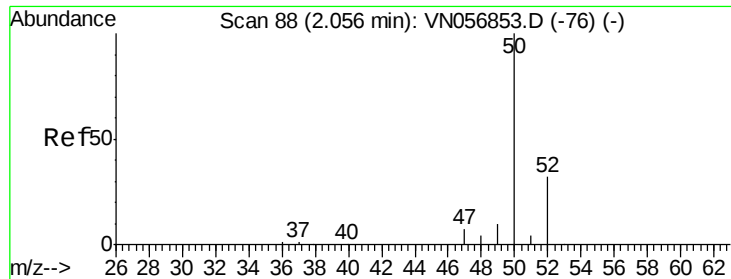
87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

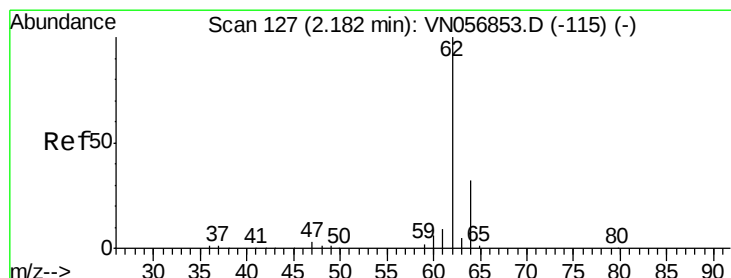
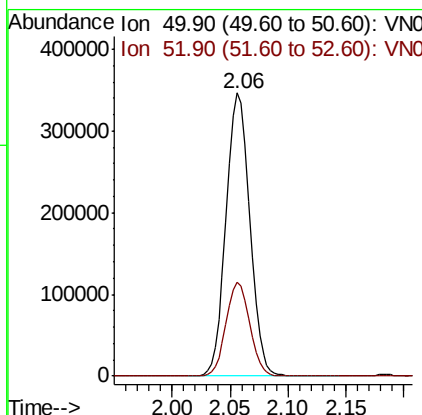
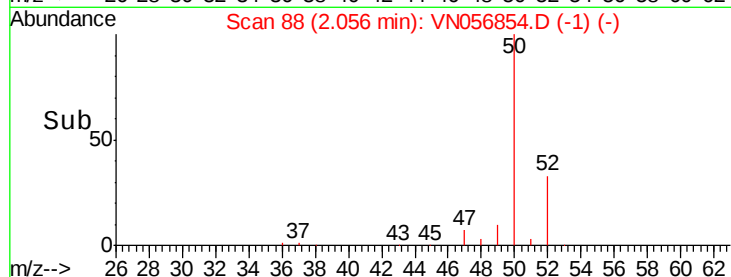
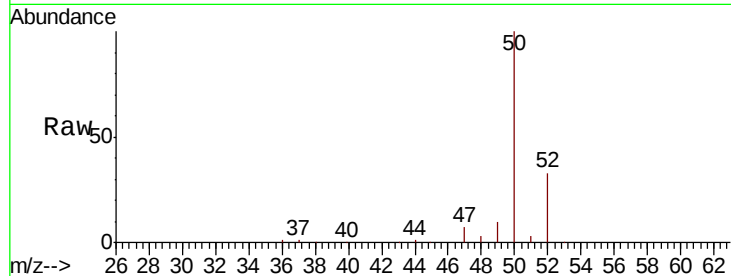




#3
 Chloromethane
 Concen: 106.605 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

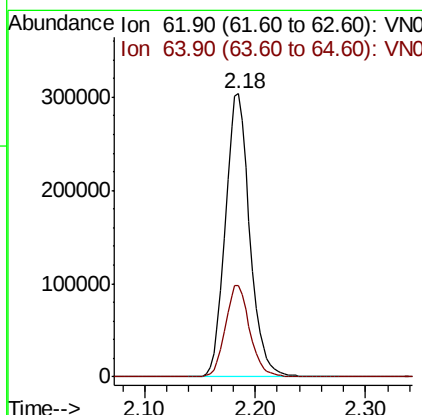
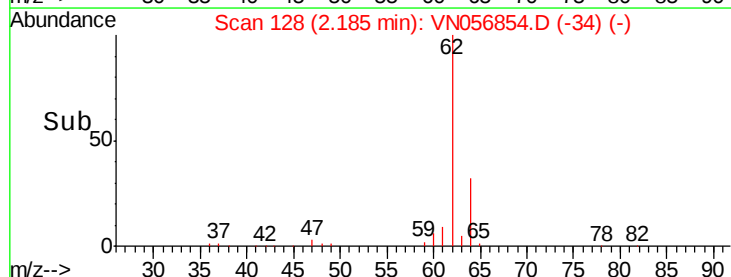
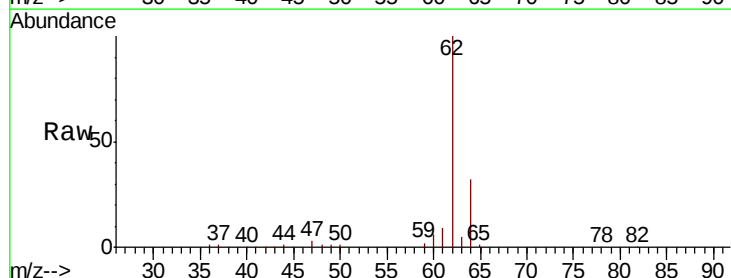
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

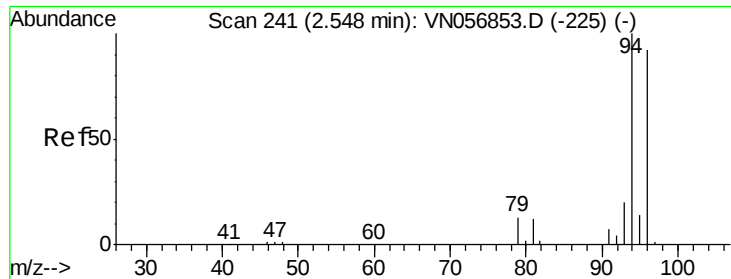
Tot Ion: 50 Resp: 490093
 Ion Ratio Lower Upper
 50 100
 52 33.0 25.9 38.9



#4
 Vinyl Chloride
 Concen: 106.015 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion: 62 Resp: 465968
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.4 38.2





#5

Bromomethane

Concen: 102.110 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.02 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

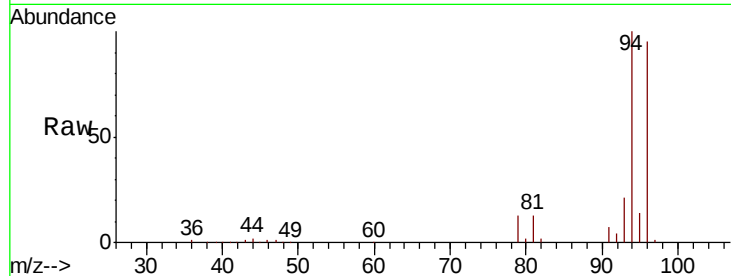
VSTDIC100

Tot Ion: 94 Resp: 263231

Ion Ratio Lower Upper

94 100

96 95.3 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

150000

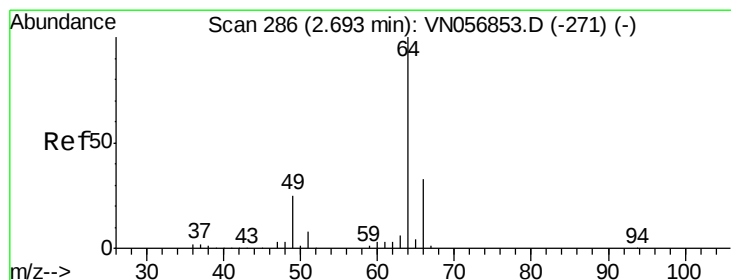
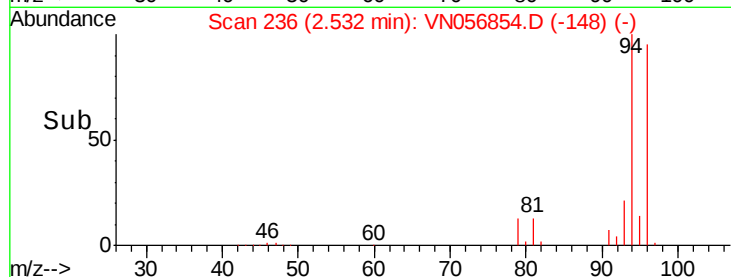
100000

50000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 98.100 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN056854.D

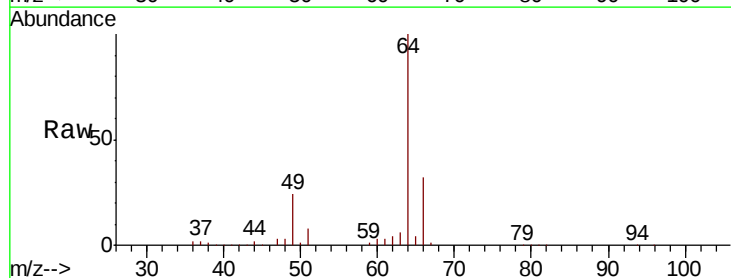
Acq: 22 Jul 2019 13:34

Tgt Ion: 64 Resp: 247375

Ion Ratio Lower Upper

64 100

66 32.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

120000

100000

80000

60000

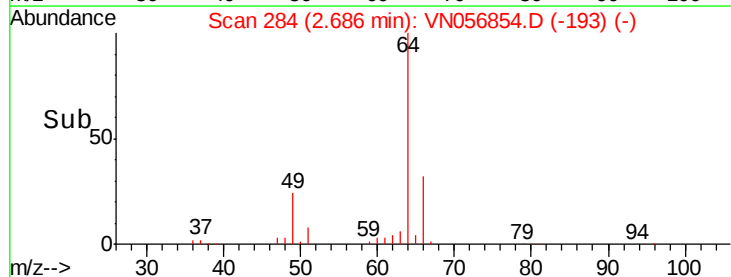
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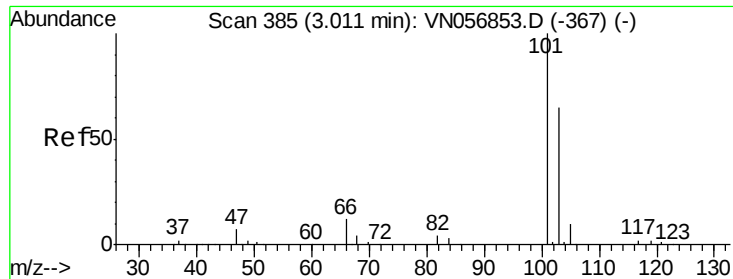
20000

0

Time-->

2.60 2.70 2.80



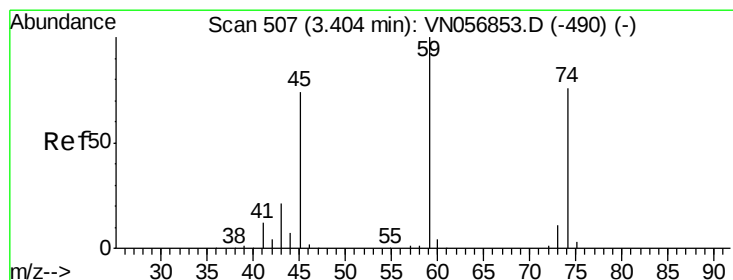
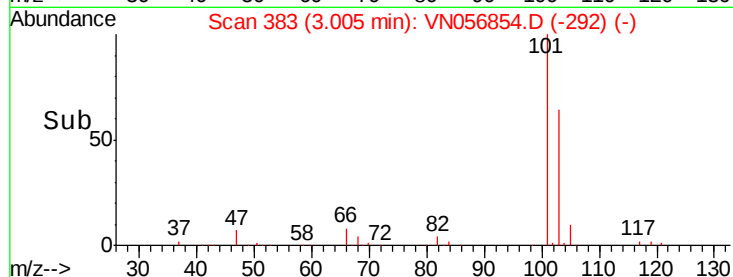
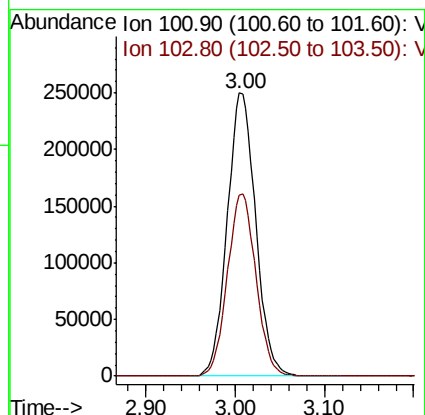
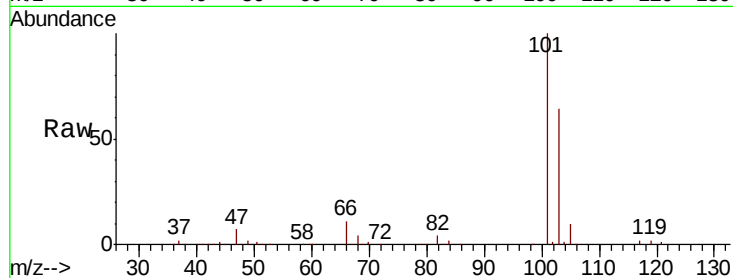


#7

Trichlorofluoromethane
Concen: 99.241 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
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ClientSampleId :
VSTDIC100

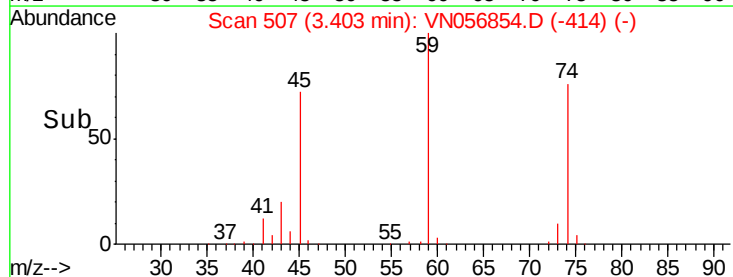
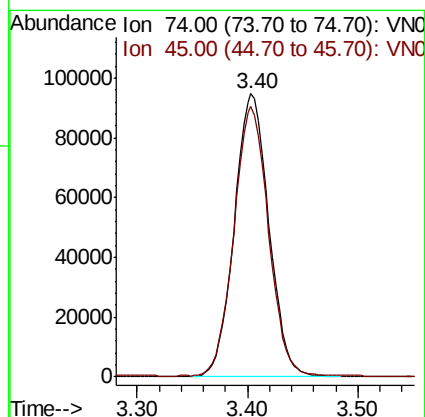
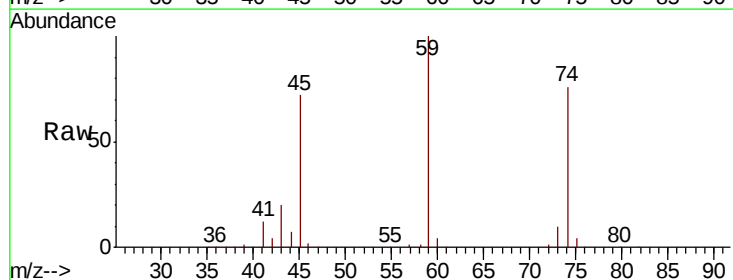
Tot Ion:101 Resp: 550926
Ion Ratio Lower Upper
101 100
103 64.1 52.3 78.5

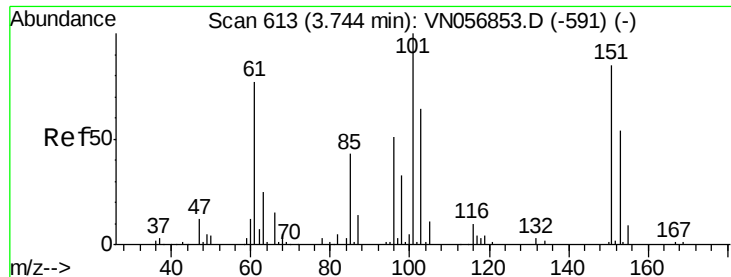


#8

Diethyl Ether
Concen: 96.753 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 74 Resp: 205809
Ion Ratio Lower Upper
74 100
45 94.8 49.2 147.6

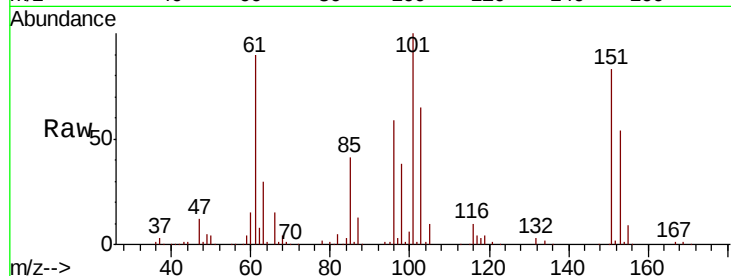




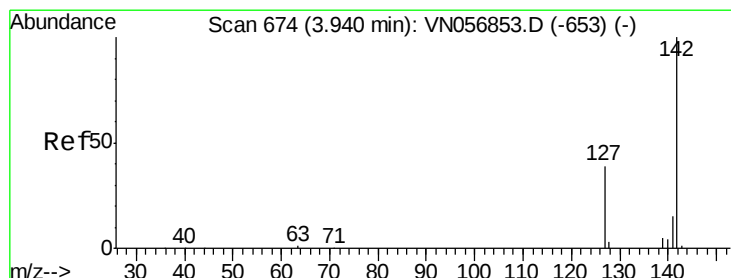
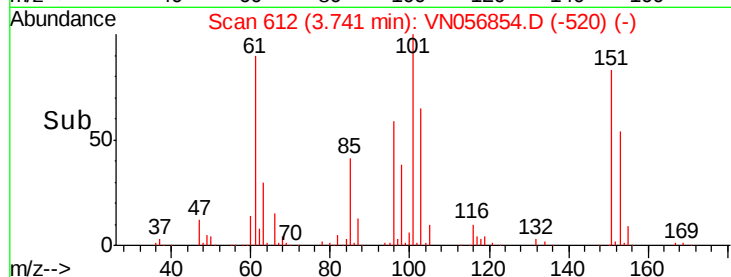
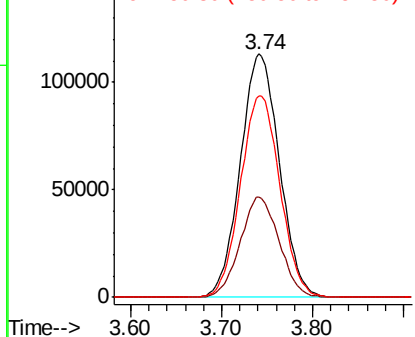
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 101.183 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 338304
 Ion Ratio Lower Upper
 101 100
 85 40.9 33.7 50.5
 151 83.5 68.1 102.1

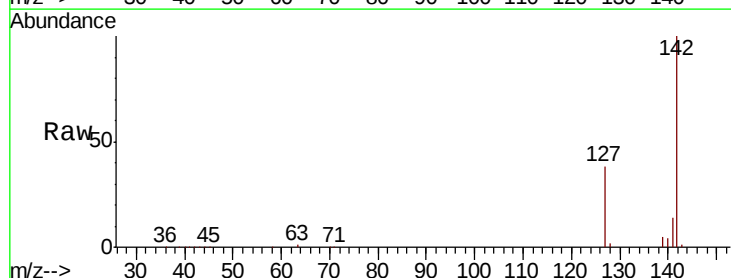


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

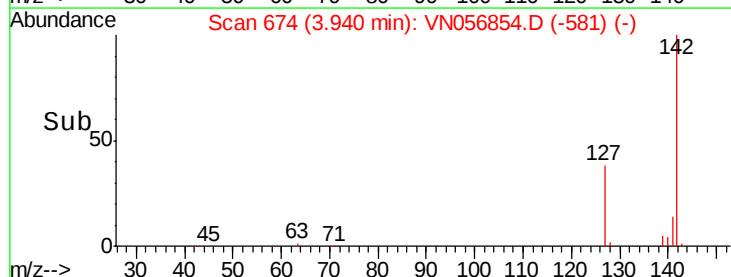
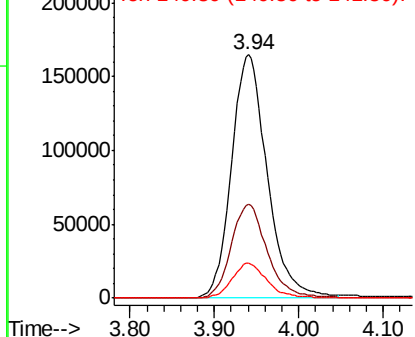


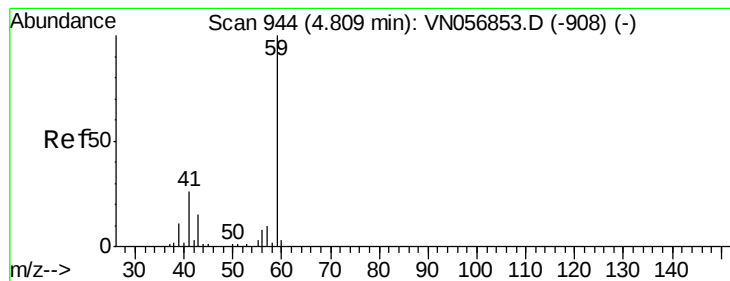
#10
 Methyl Iodide
 Concen: 107.815 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion:142 Resp: 485618
 Ion Ratio Lower Upper
 142 100
 127 39.0 31.2 46.8
 141 14.1 11.4 17.2



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



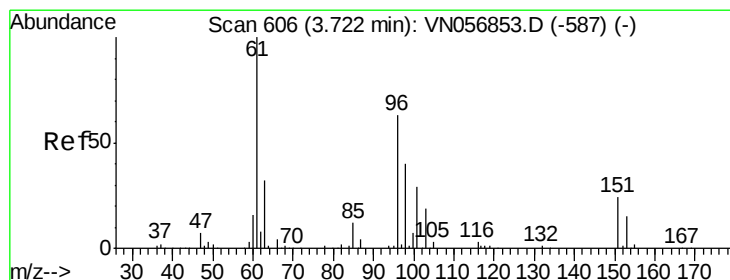
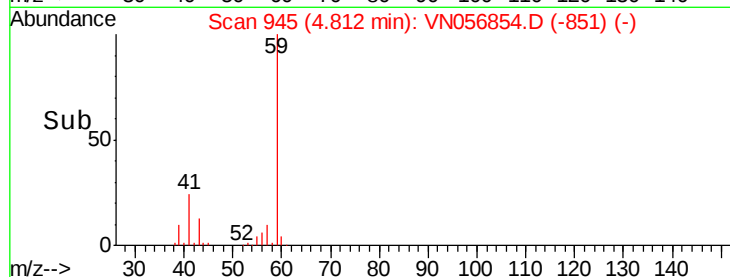
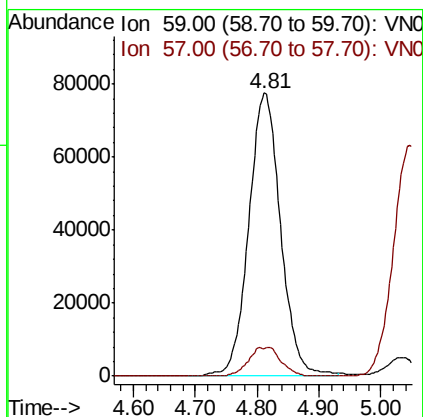
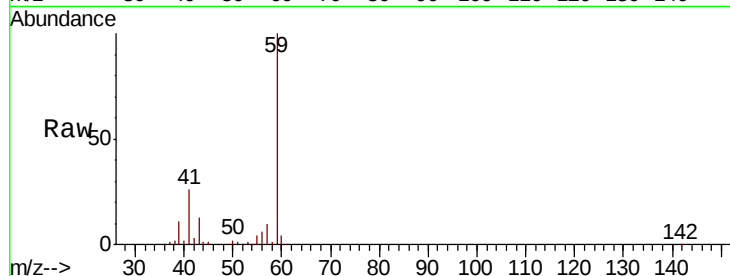


#11

Tert butyl alcohol
 Concen: 439.017 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

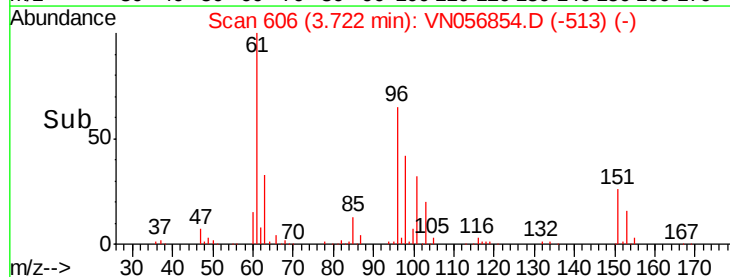
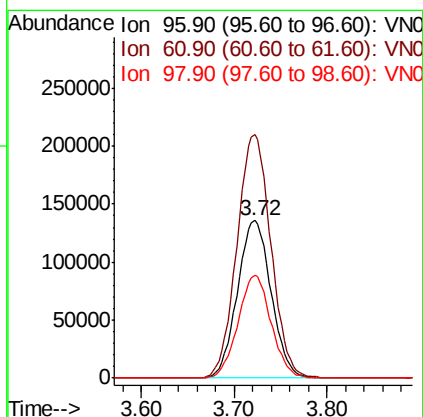
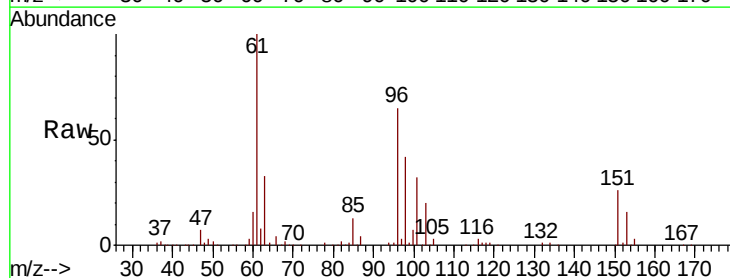
Tot Ion: 59 Resp: 276978
 Ion Ratio Lower Upper
 59 100
 57 4.7 8.2 12.4#

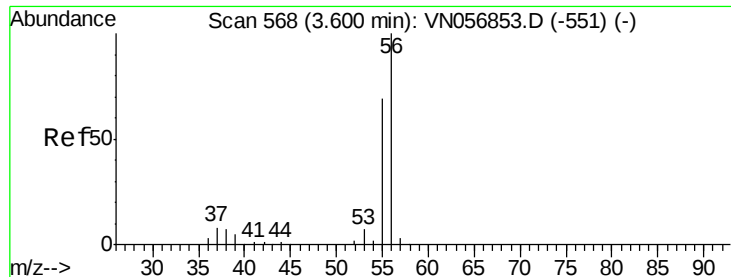


#12

1,1-Dichloroethene
 Concen: 102.356 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion: 96 Resp: 343089
 Ion Ratio Lower Upper
 96 100
 61 154.8 126.3 189.5
 98 65.4 51.0 76.4





#13

Acrolein

Concen: 763.370 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

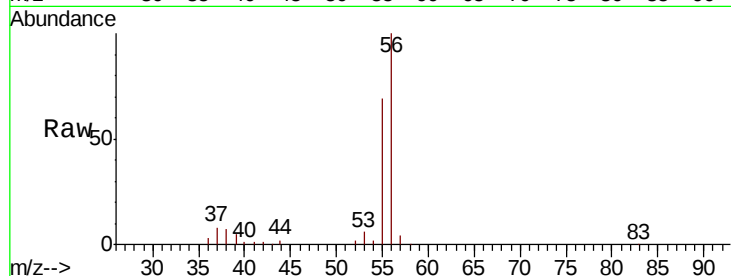
VSTDICC100

Tot Ion: 56 Resp: 220764

Ion Ratio Lower Upper

56 100

55 70.8 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

100000

80000

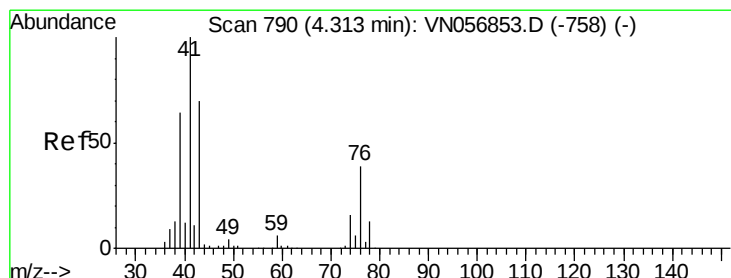
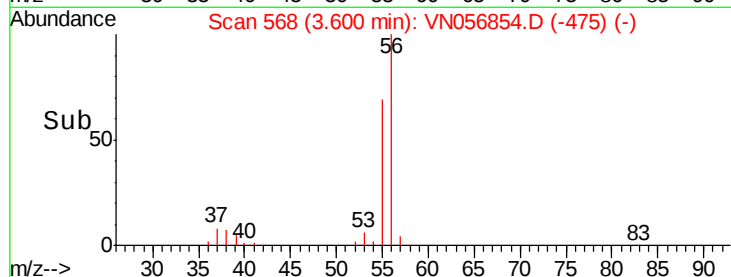
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 101.209 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

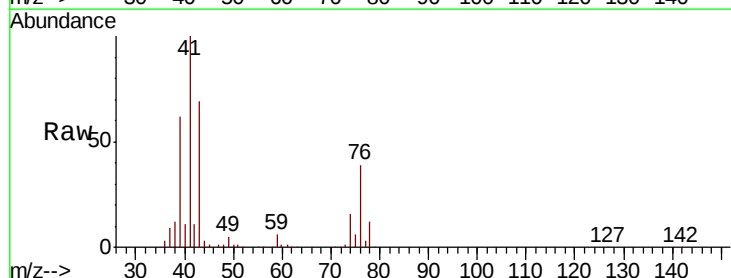
Tgt Ion: 41 Resp: 580004

Ion Ratio Lower Upper

41 100

39 58.7 47.8 71.6

76 34.8 27.9 41.9



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

4.31

250000

200000

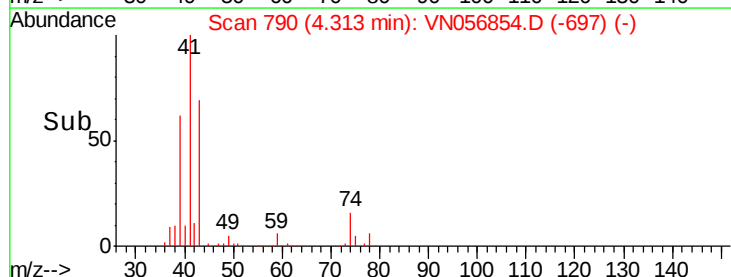
150000

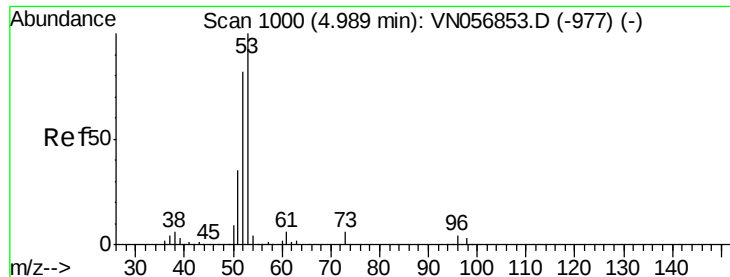
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 457.221 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

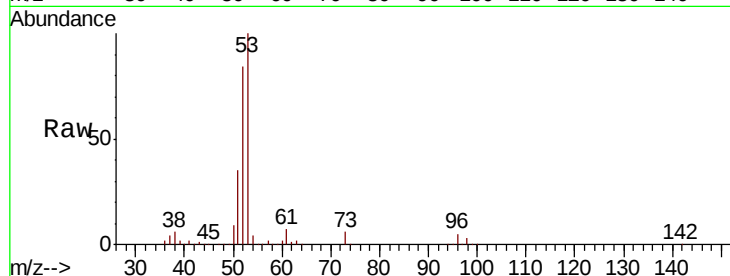
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 841823

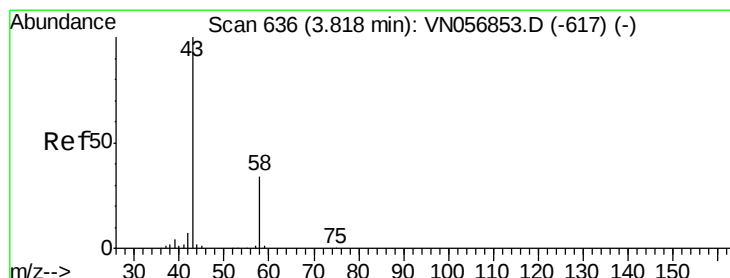
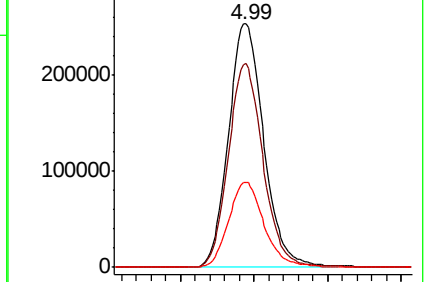
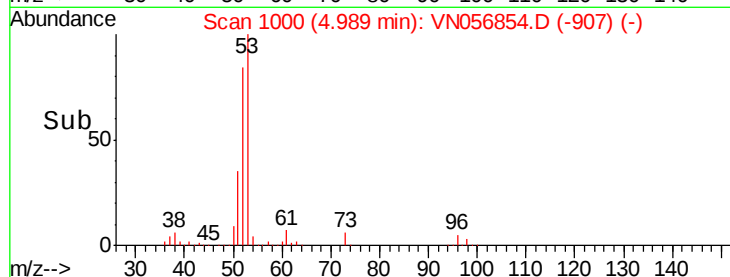
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.0	97.6
51	35.3	28.2	42.2



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: 363.883 ug/l

RT: 3.82 min Scan# 636

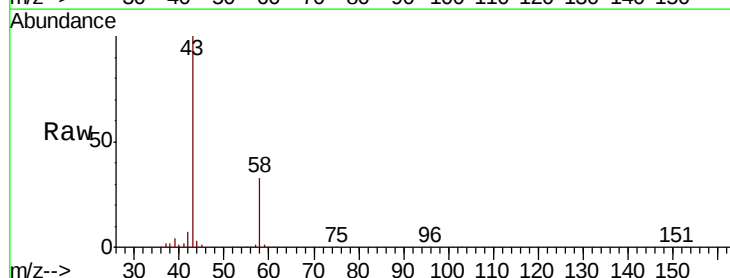
Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

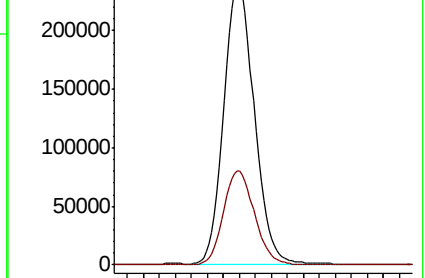
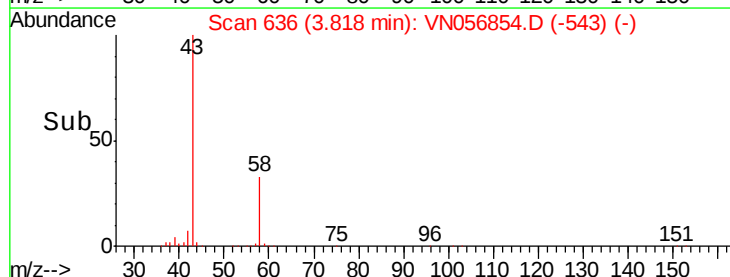
Tgt Ion: 43 Resp: 624256

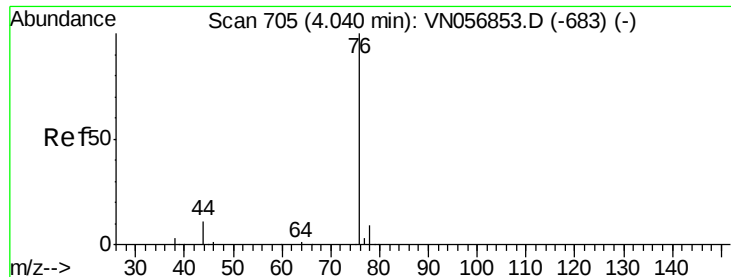
Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.3	40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

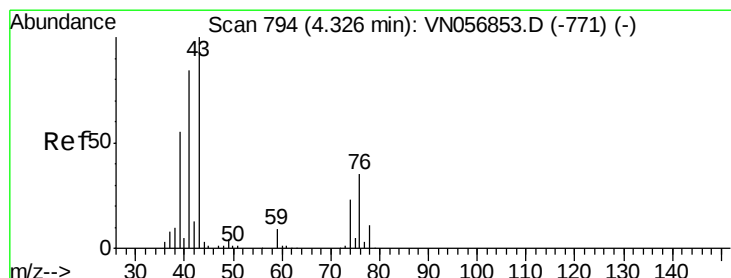
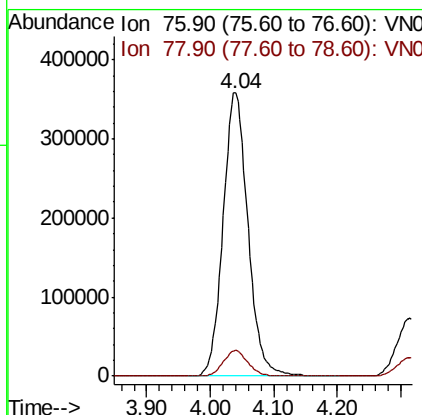
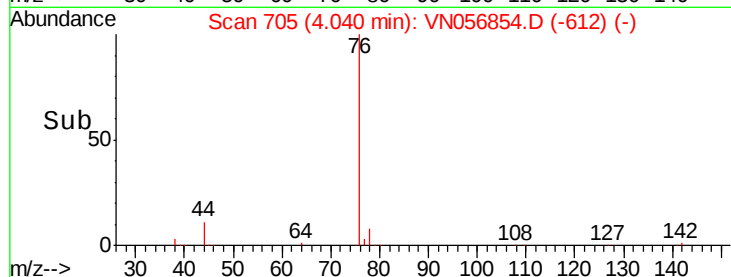
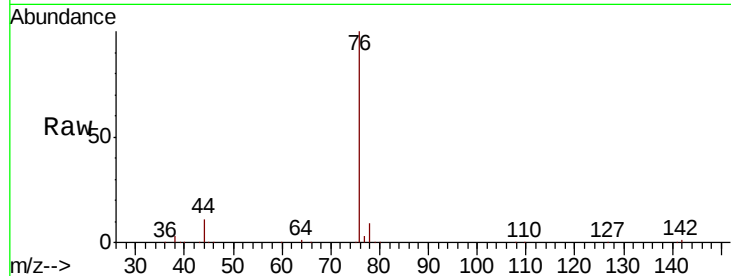




#17
Carbon Disulfide
Concen: 108.857 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

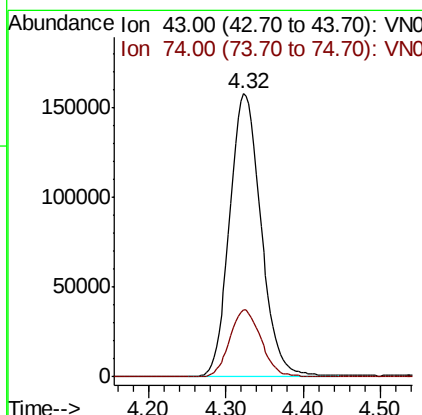
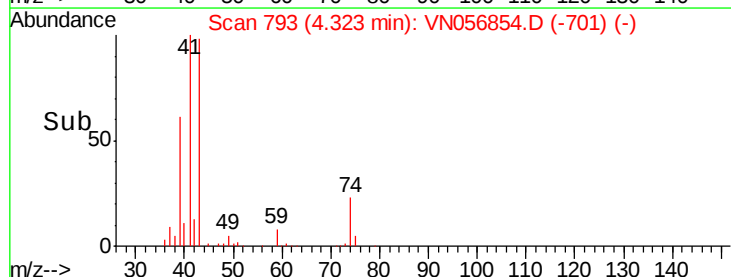
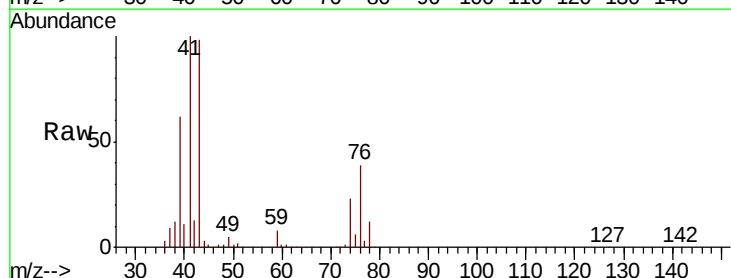
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

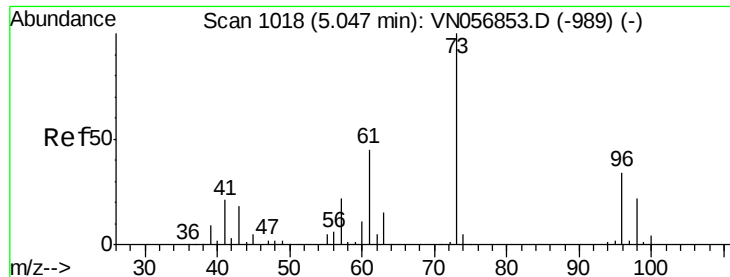
Tot Ion: 76 Resp: 971346
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 90.240 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 43 Resp: 442756
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.4

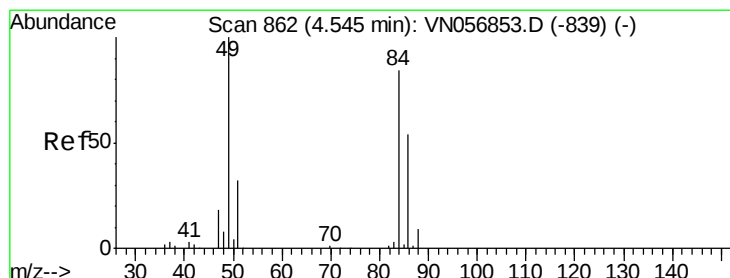
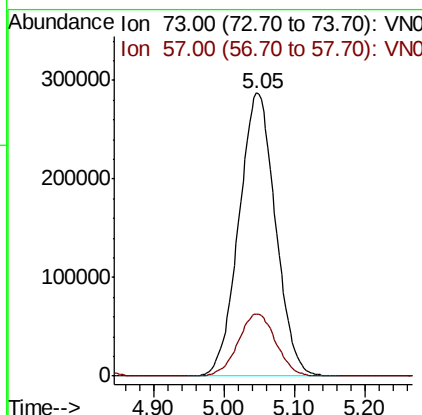
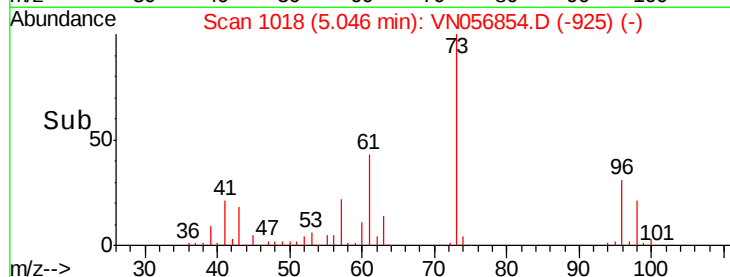
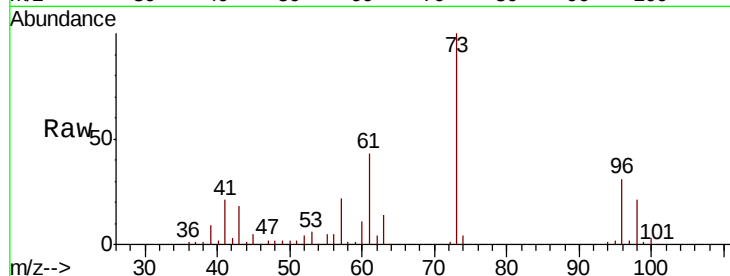




#19
Methvl tert-butvl Ether
Concen: 98.495 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

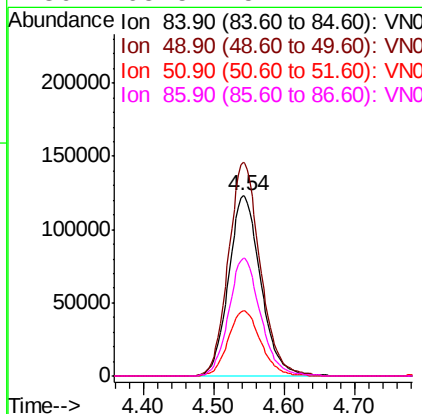
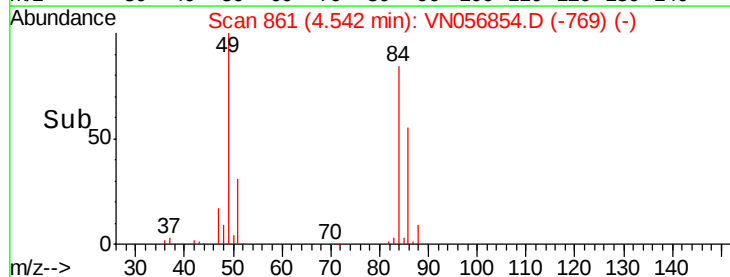
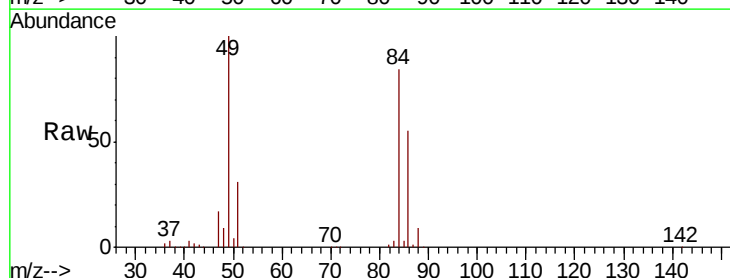
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

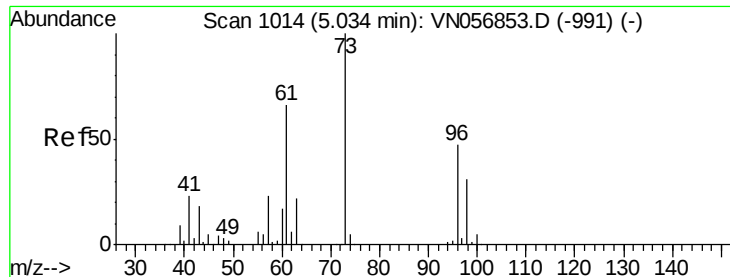
Tot Ion: 73 Resp: 1039344
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0



#20
Methylene Chloride
Concen: 98.816 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 84 Resp: 391643
Ion Ratio Lower Upper
84 100
49 118.4 94.9 142.3
51 36.2 29.9 44.9
86 65.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 103.470 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

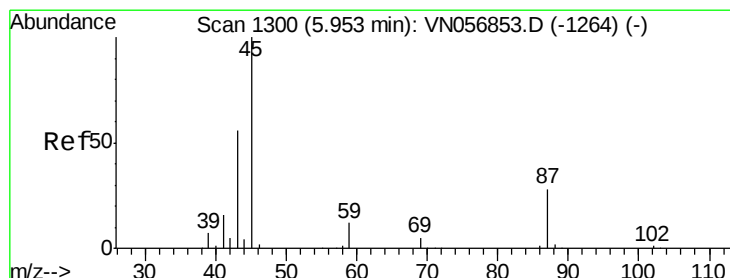
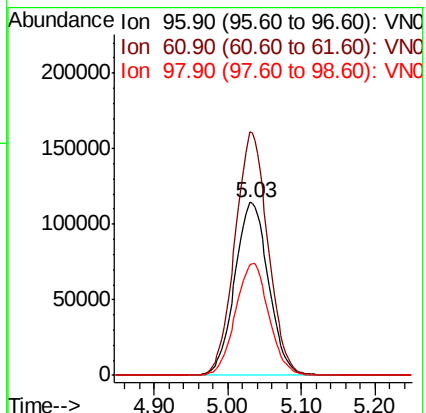
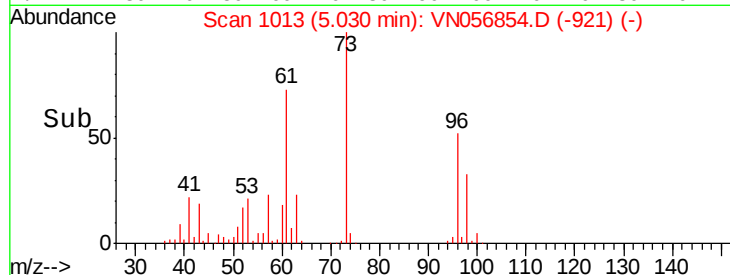
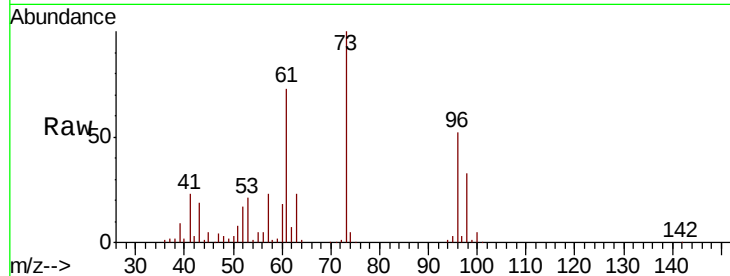
Tot Ion: 96 Resp: 365264

Ion Ratio Lower Upper

96 100

61 140.9 112.8 169.2

98 64.2 53.3 79.9



#22

Diisopropyl ether

Concen: 100.391 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Tgt Ion: 45 Resp: 1141259

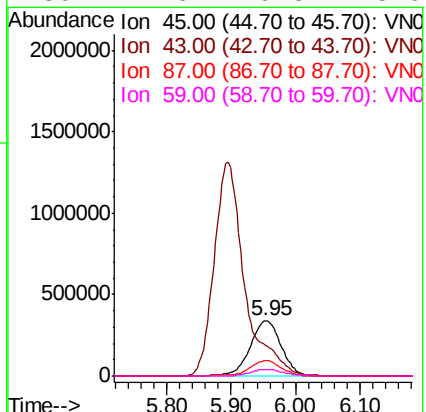
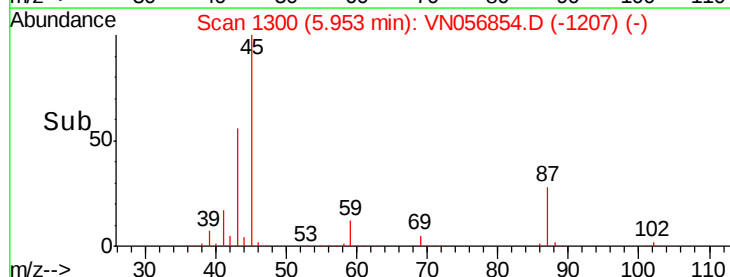
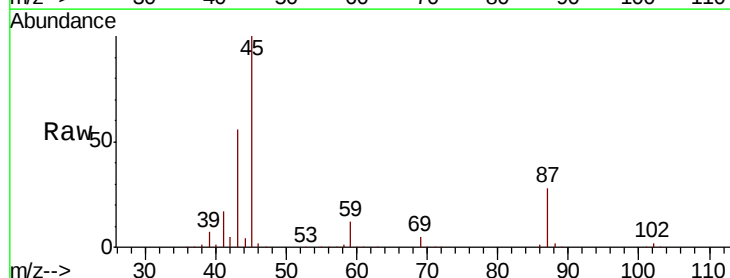
Ion Ratio Lower Upper

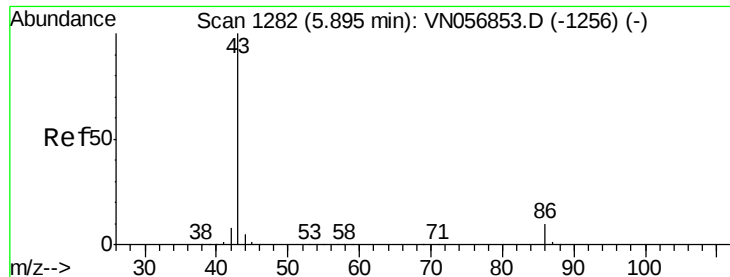
45 100

43 55.2 45.5 68.3

87 27.9 22.7 34.1

59 11.6 9.3 13.9





#23

Vinyl Acetate

Concen: 477.912 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

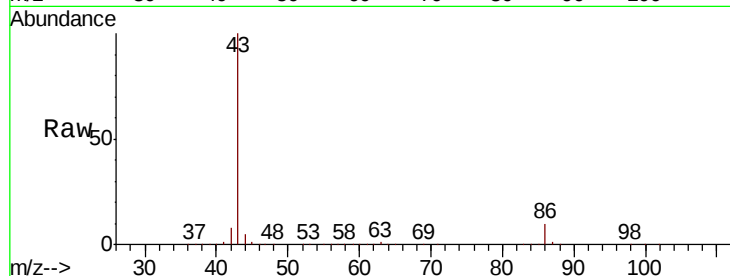
VSTDIC100

Tot Ion: 43 Resp: 4306947

Ion Ratio Lower Upper

43 100

86 10.4 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN056854.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN056854.D (-1189) (-)

1500000

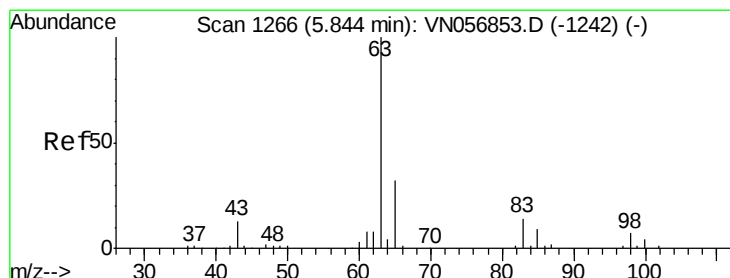
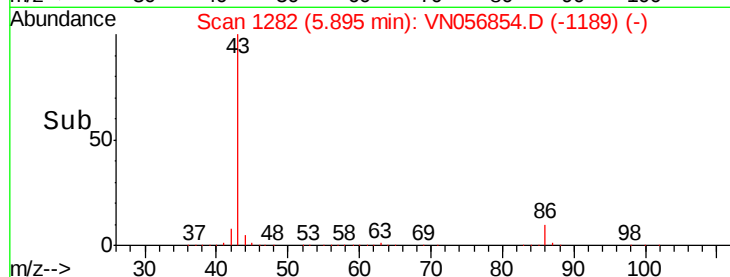
1000000

500000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 100.441 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

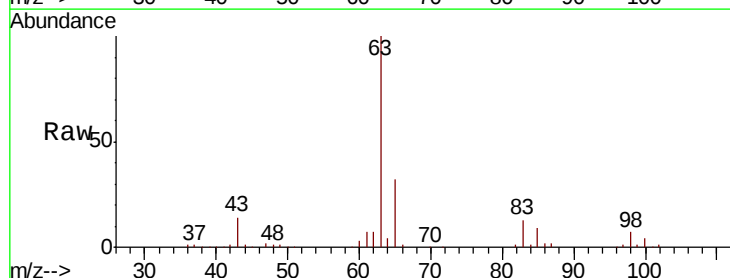
Tgt Ion: 63 Resp: 662612

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN056854.D (-1173) (-)

Ion 97.90 (97.60 to 98.60): VN056854.D (-1173) (-)

Ion 99.90 (99.60 to 100.60): VN056854.D (-1173) (-)

250000

200000

150000

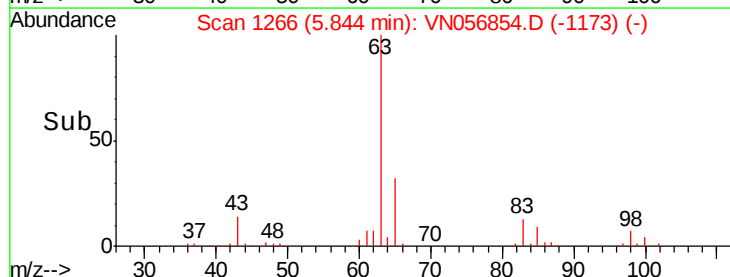
100000

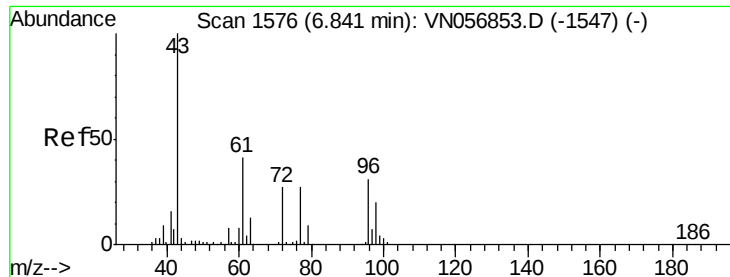
50000

0

5.70 5.80 5.90 6.00

Time-->

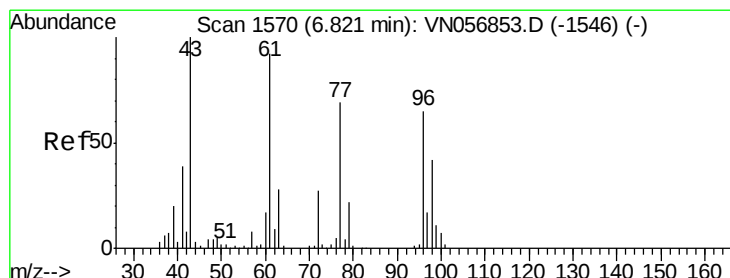
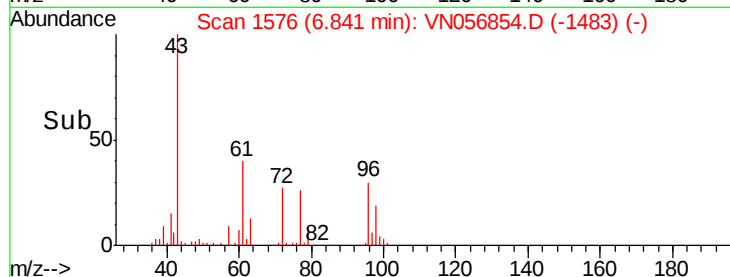
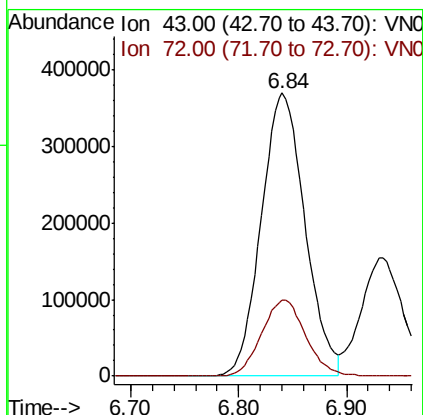
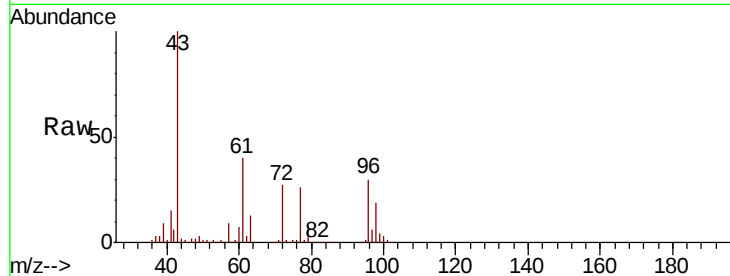




#25
2-Butanone
Concen: 409.301 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

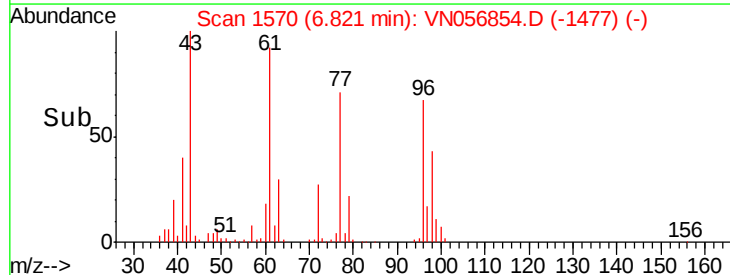
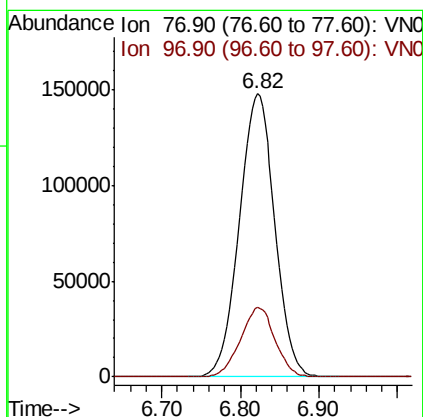
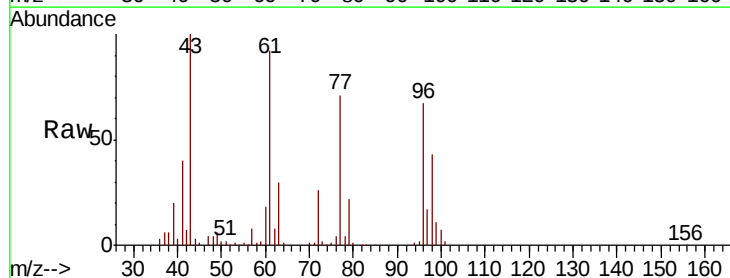
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

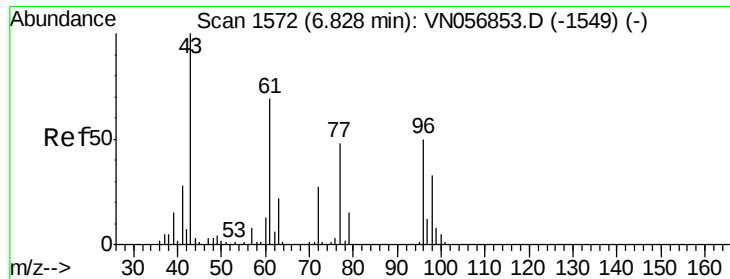
Tot Ion: 43 Resp: 1035719
Ion Ratio Lower Upper
43 100
72 27.0 21.5 32.3



#26
2,2-Dichloropropane
Concen: 99.196 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 77 Resp: 466959
Ion Ratio Lower Upper
77 100
97 24.0 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 103.135 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

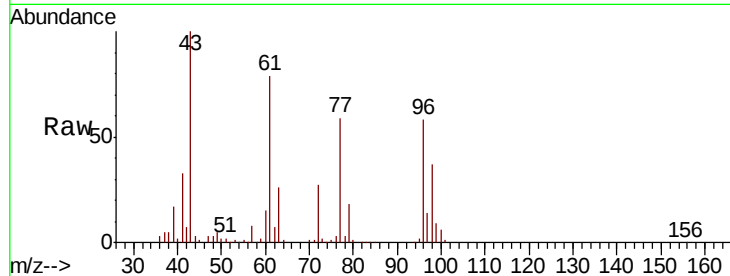
Tot Ion: 96 Resp: 417778

Ion Ratio Lower Upper

96 100

61 138.1 0.0 281.6

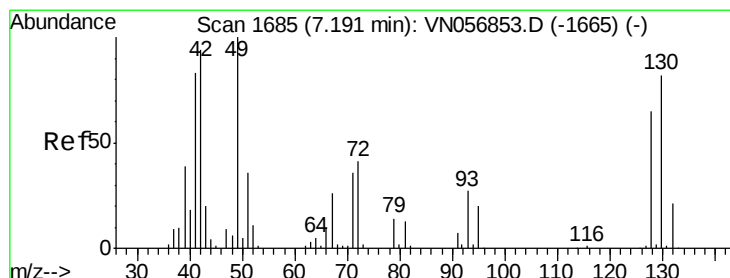
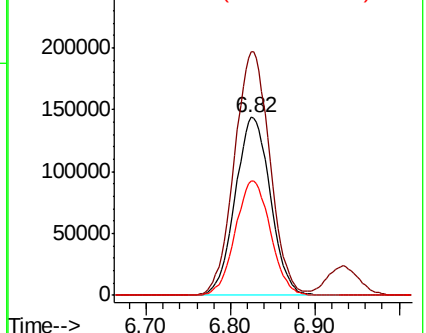
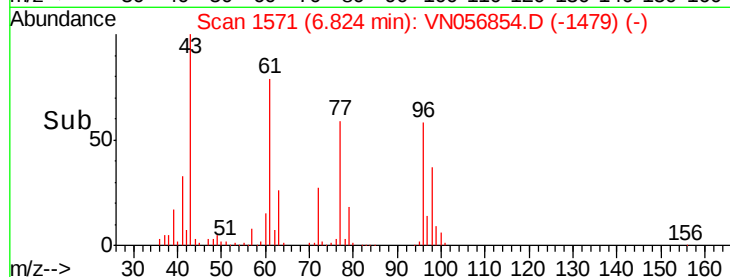
98 64.3 0.0 132.0



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: 94.500 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

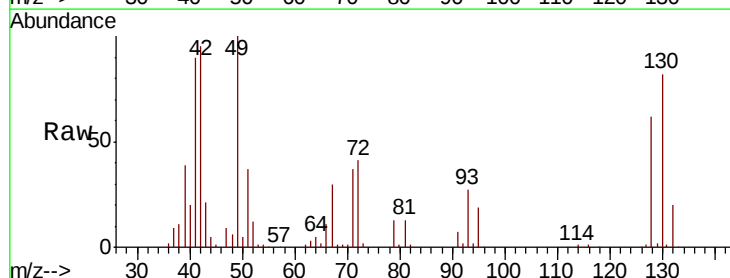
Tgt Ion: 49 Resp: 290918

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

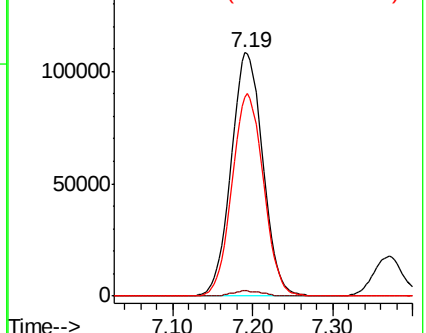
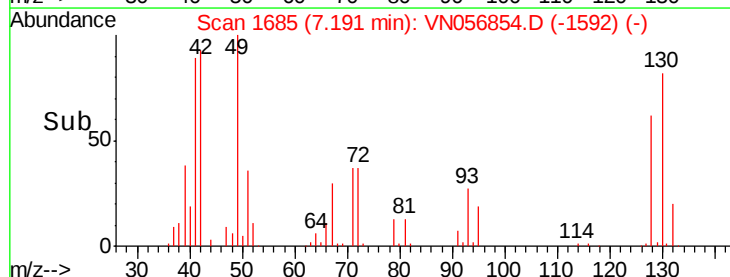
130 82.5 65.0 97.6

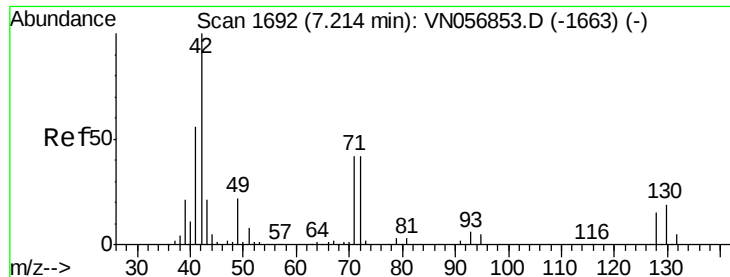


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

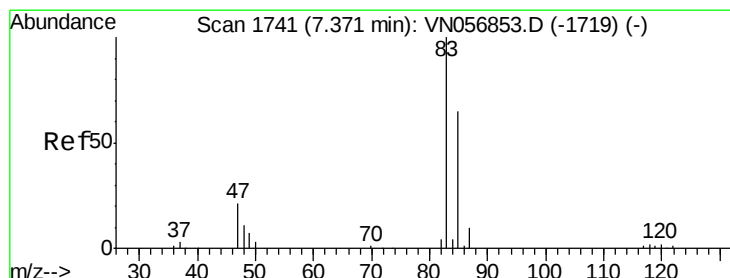
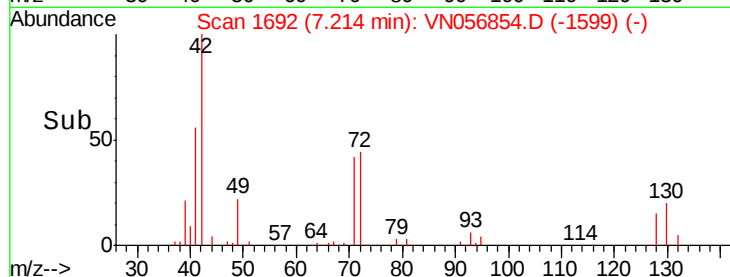
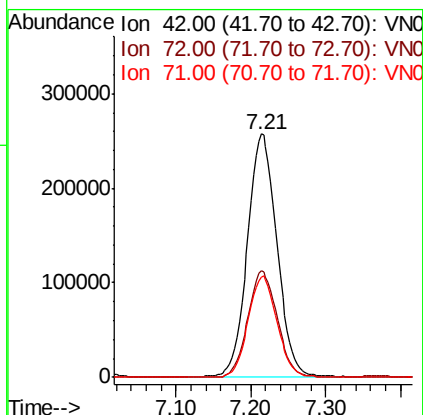
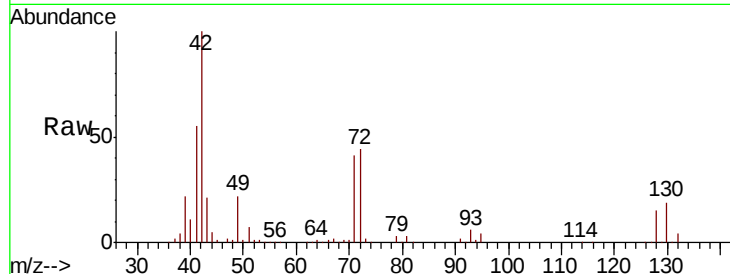




#29
Tetrahydrofuran
Concen: 426.337 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

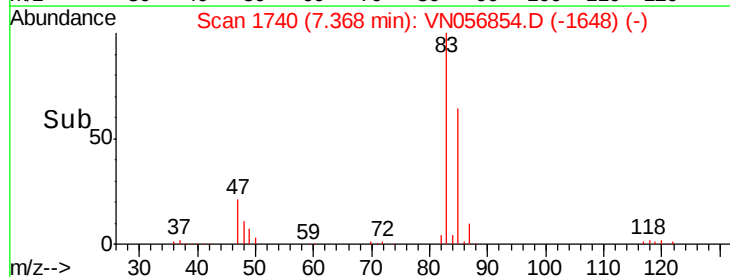
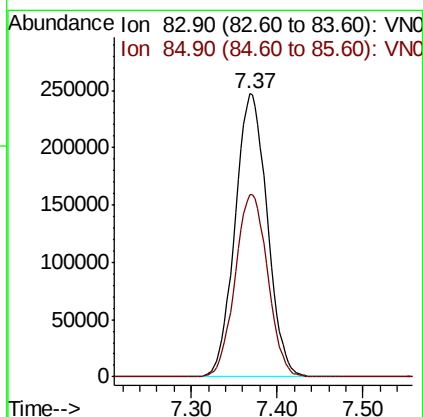
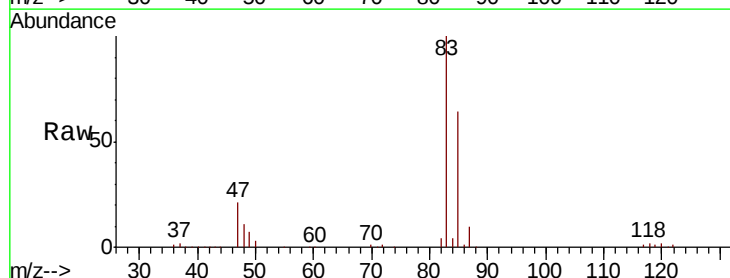
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

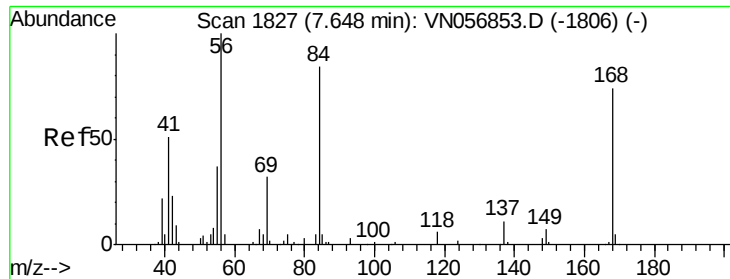
Tot Ion: 42 Resp: 708767
Ion Ratio Lower Upper
42 100
72 43.6 34.2 51.2
71 40.7 32.7 49.1



#30
Chloroform
Concen: 97.199 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 83 Resp: 642187
Ion Ratio Lower Upper
83 100
85 64.2 52.3 78.5

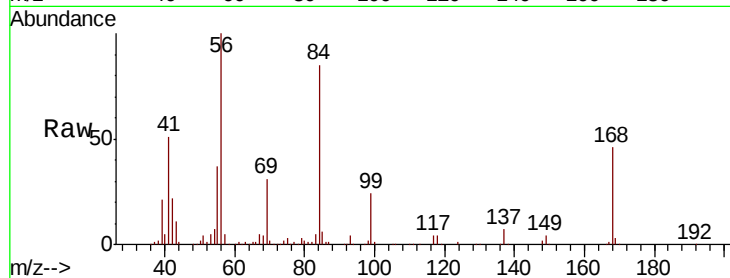




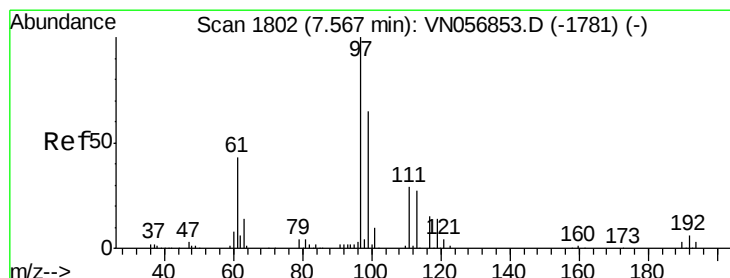
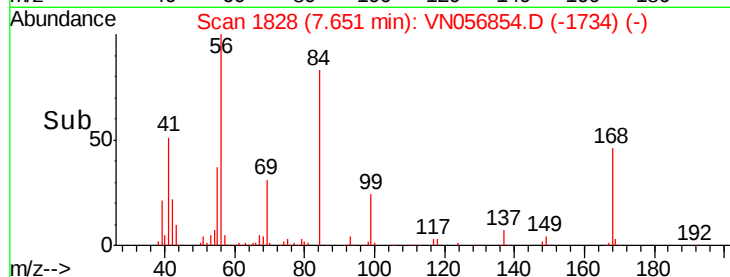
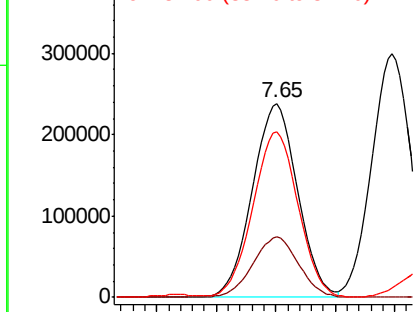
#31
Cyclohexane
Concen: 99.828 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 627618
Ion Ratio Lower Upper
56 100
69 31.1 25.5 38.3
84 84.3 67.3 100.9

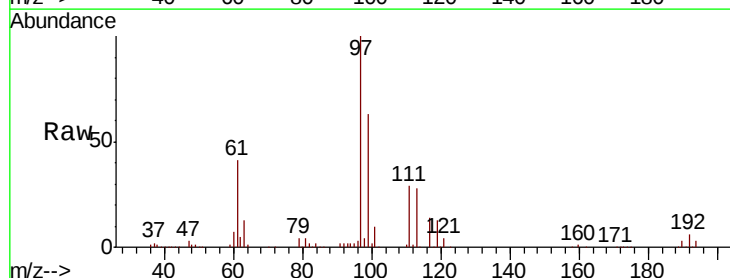


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

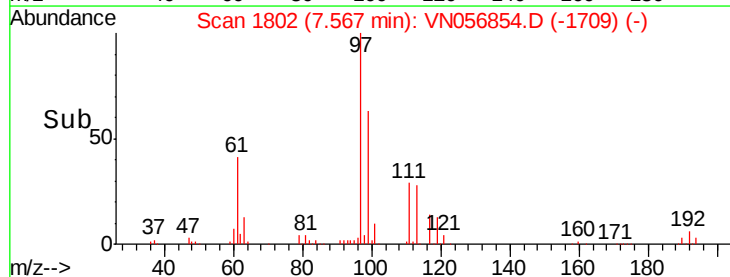
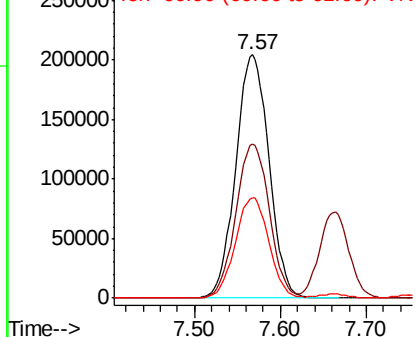


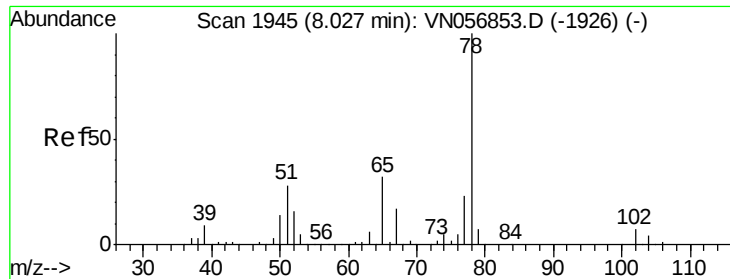
#32
1,1,1-Trichloroethane
Concen: 104.819 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 97 Resp: 548238
Ion Ratio Lower Upper
97 100
99 63.9 52.1 78.1
61 41.7 34.0 51.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

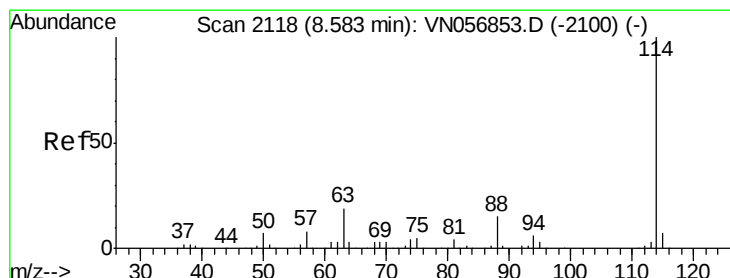
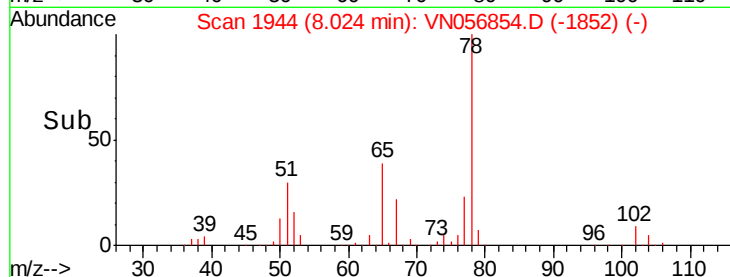
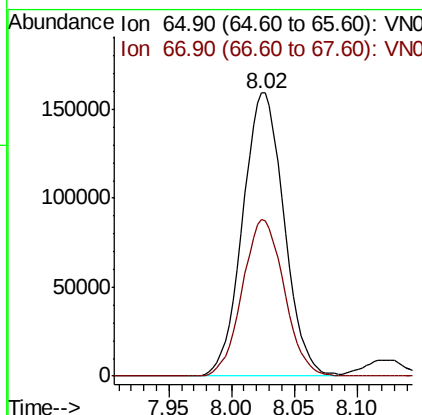
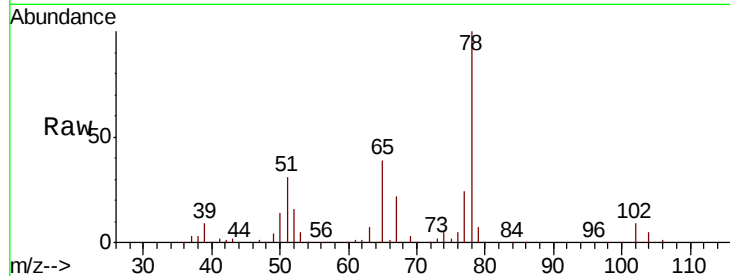




#33
 1,2-Dichloroethane-d4
 Concen: 95.201 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

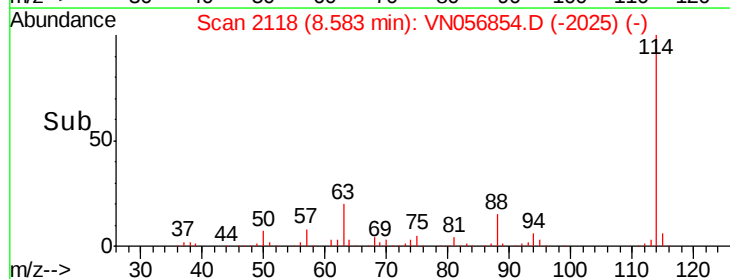
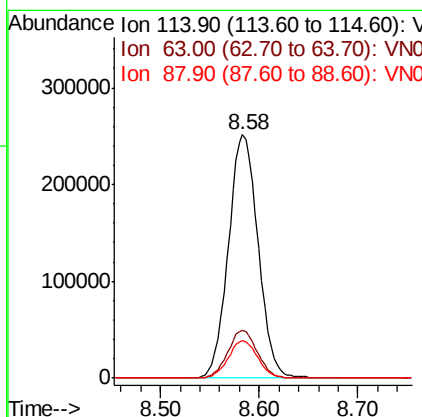
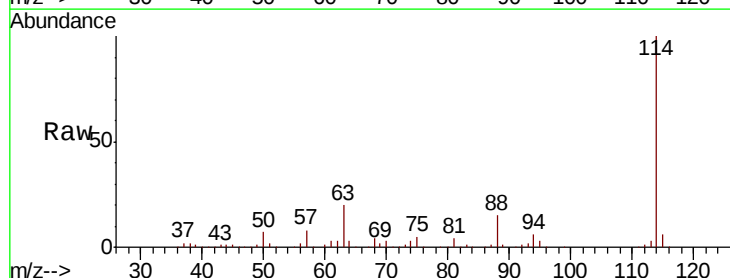
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

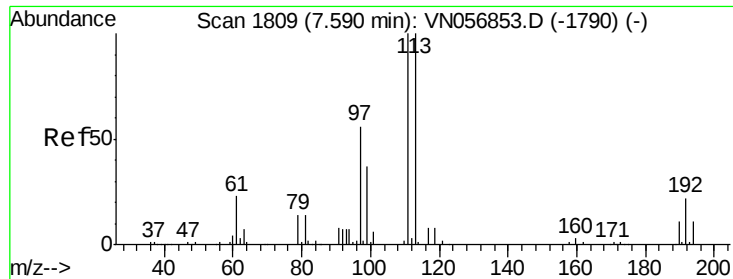
Tot Ion: 65 Resp: 366197
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion: 114 Resp: 528571
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.8
 88 15.4 0.0 31.0

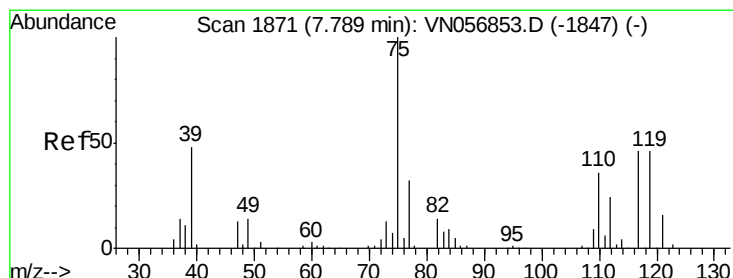
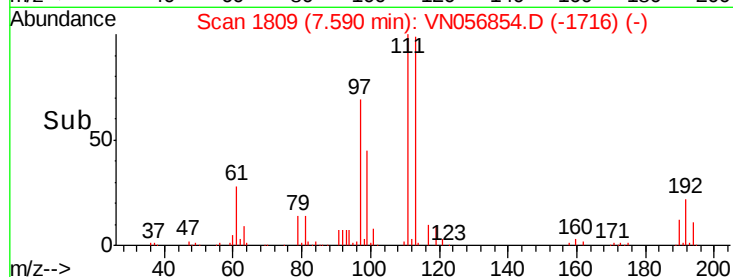
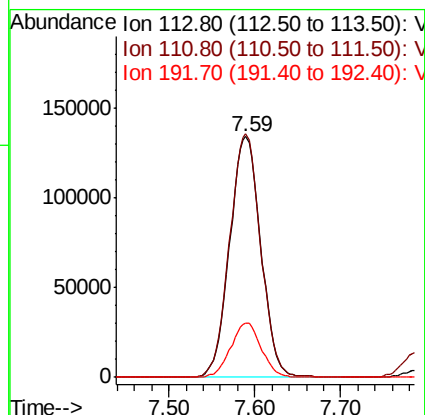
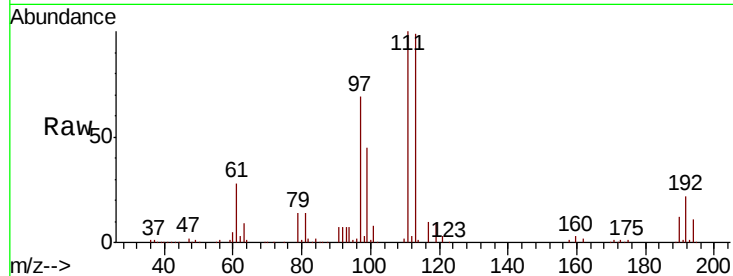




#35
 Dibromofluoromethane
 Concen: 102.018 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

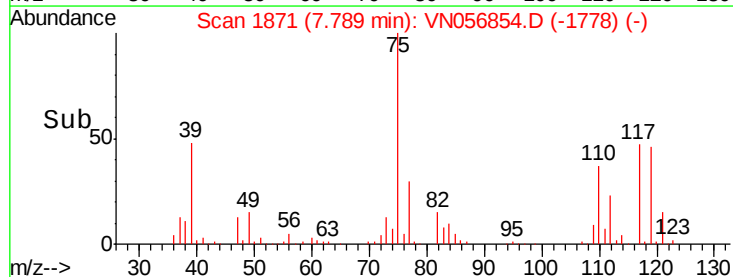
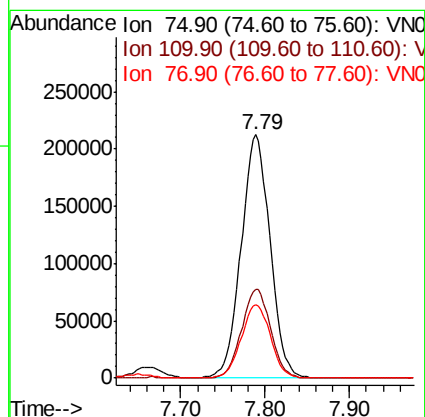
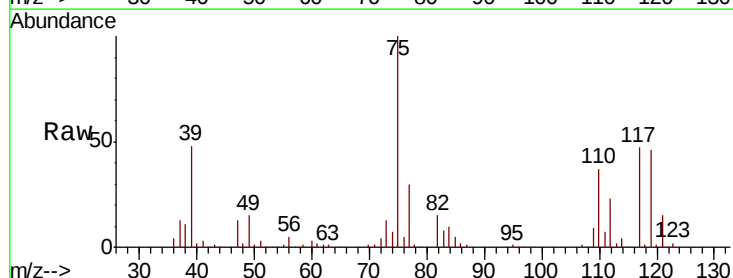
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

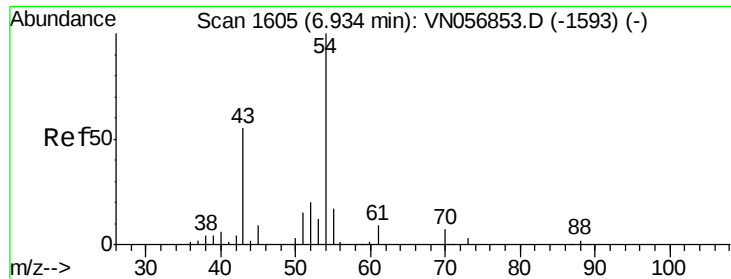
Tot Ion:113 Resp: 336683
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.9 122.9
 192 22.1 18.5 27.7



#36
 1,1-Dichloropropene
 Concen: 102.084 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion: 75 Resp: 506246
 Ion Ratio Lower Upper
 75 100
 110 36.7 17.9 53.7
 77 30.7 25.0 37.6

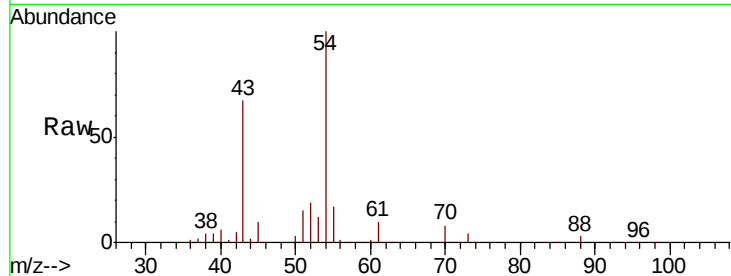




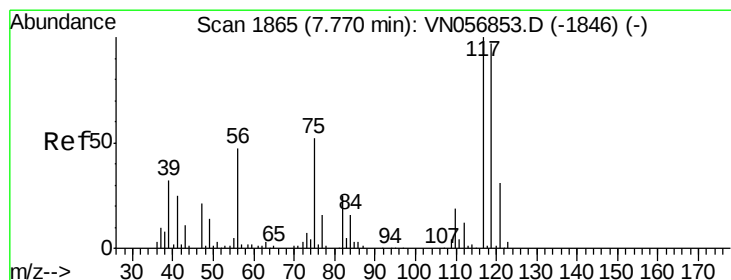
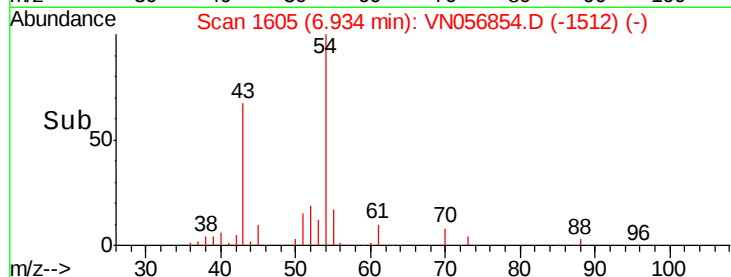
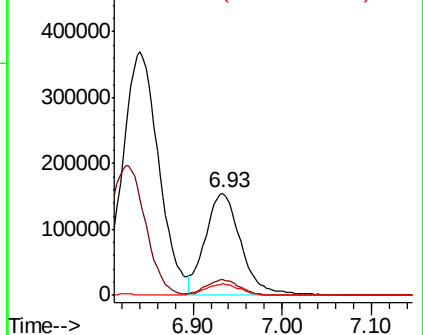
#37
Ethyl Acetate
Concen: 89.665 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 423570
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.8
70 11.2 8.6 13.0

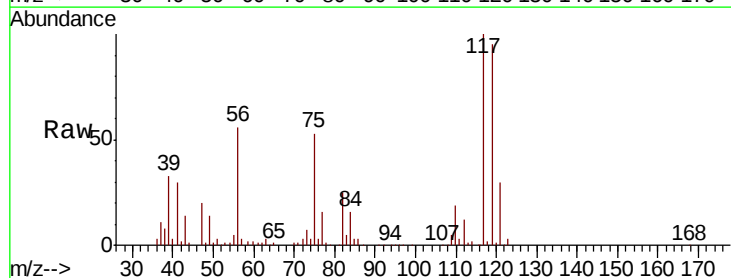


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

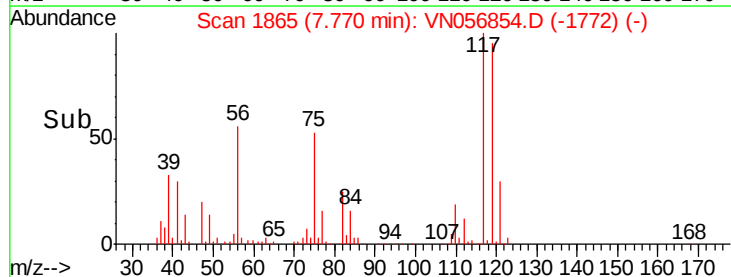
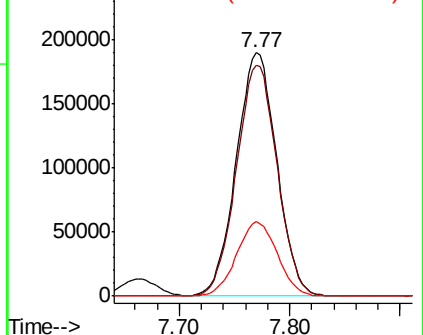


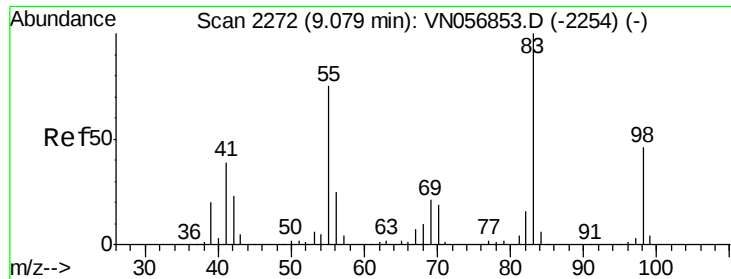
#38
Carbon Tetrachloride
Concen: 103.456 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 117 Resp: 480957
Ion Ratio Lower Upper
117 100
119 94.9 77.2 115.8
121 30.5 24.5 36.7



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

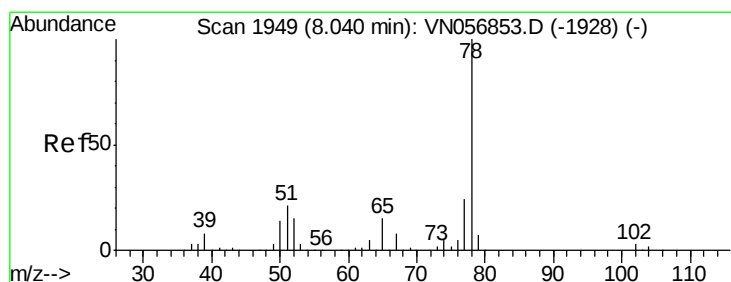
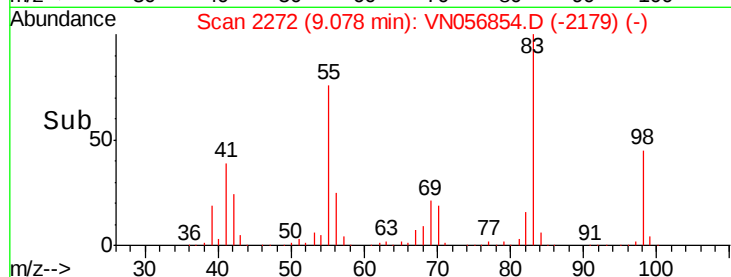
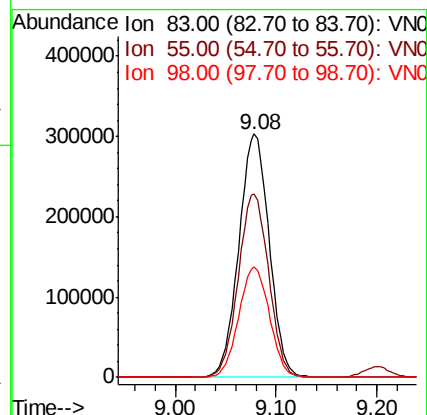
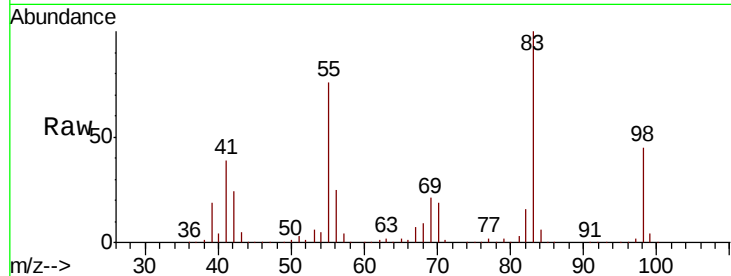




#39
Methvlcvclohexane
Concen: 103.208 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

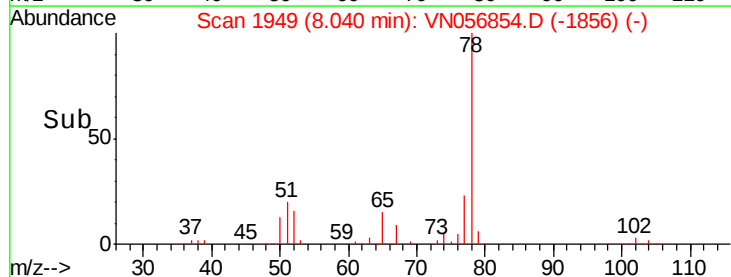
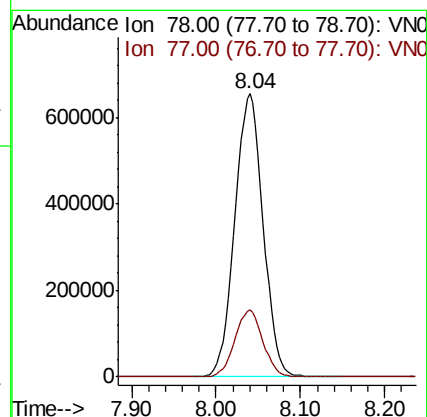
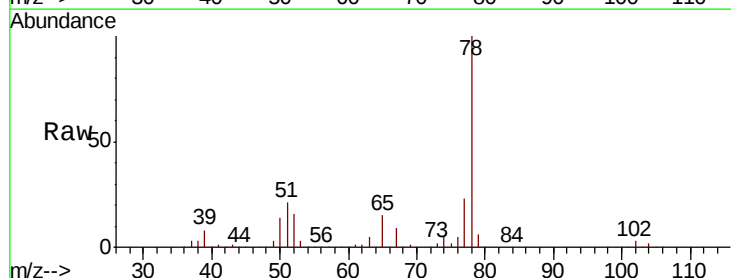
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

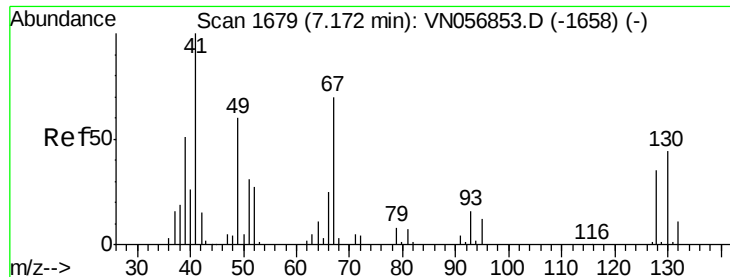
Tot Ion: 83 Resp: 631660
Ion Ratio Lower Upper
83 100
55 75.6 59.8 89.8
98 45.2 37.1 55.7



#40
Benzene
Concen: 100.712 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 78 Resp: 1529843
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

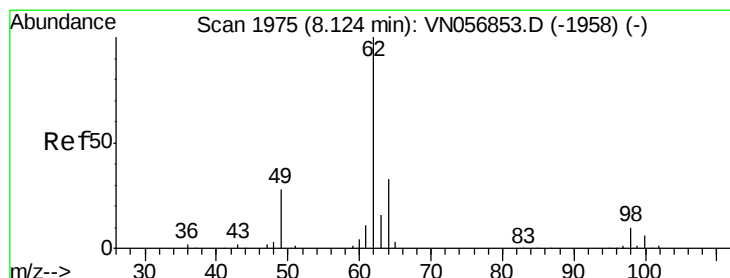
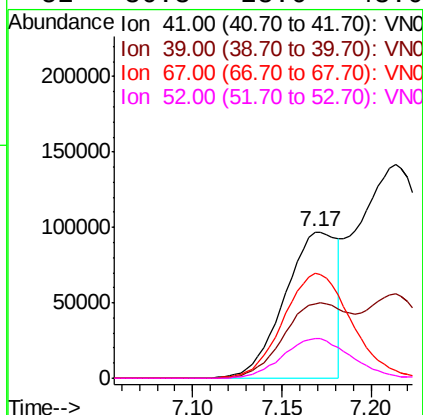
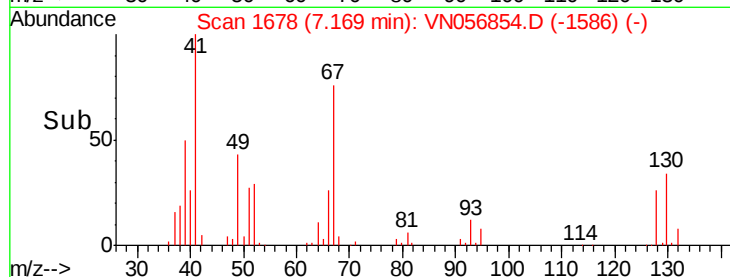
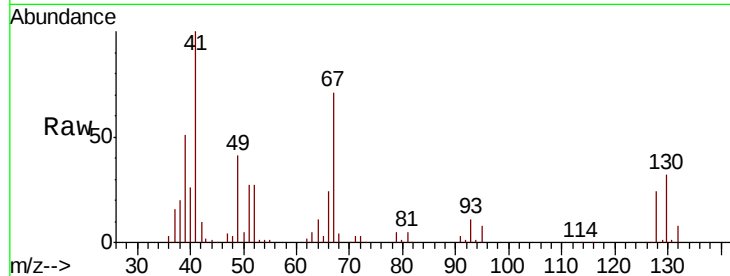




#41
Methacrylonitrile
Concen: 94.104 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

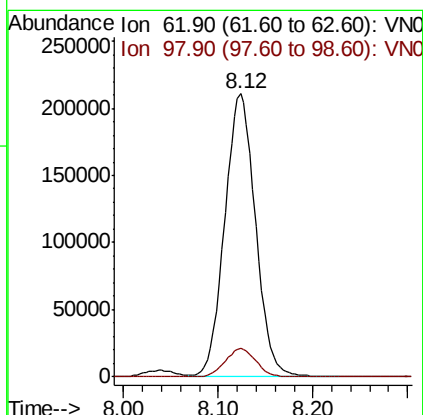
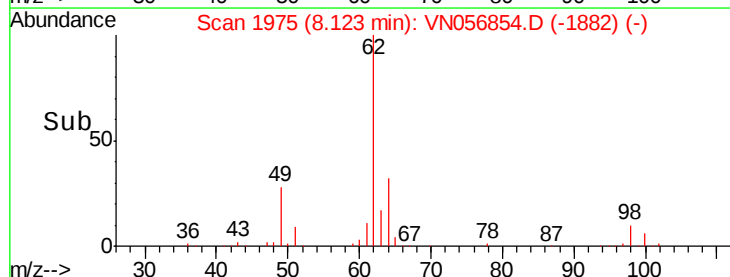
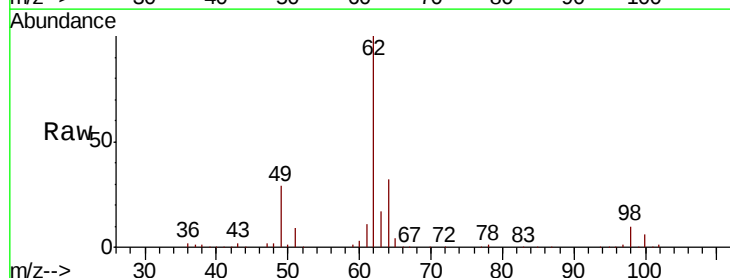
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

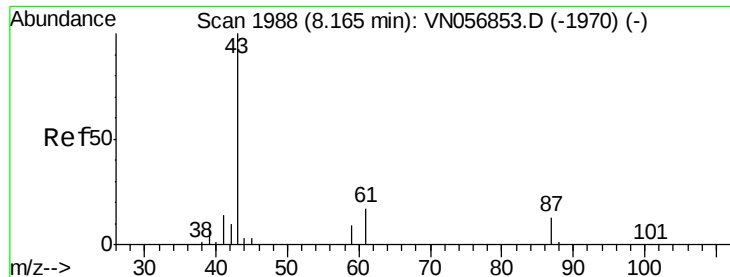
Tot Ion: 41 Resp: 197820
Ion Ratio Lower Upper
41 100
39 65.1 44.0 66.0
67 93.7 73.5 110.3
52 36.3 28.6 43.0



#42
1,2-Dichloroethane
Concen: 99.339 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 62 Resp: 475314
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 94.638 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

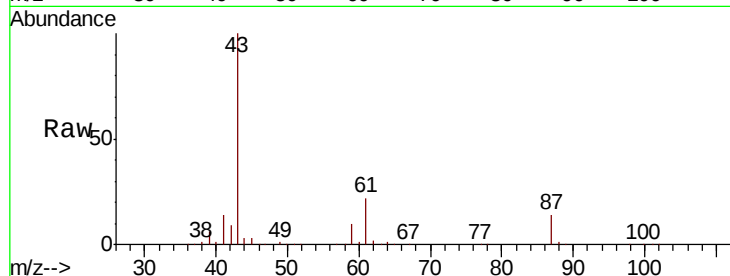
MSVOA_N

ClientSampleId :

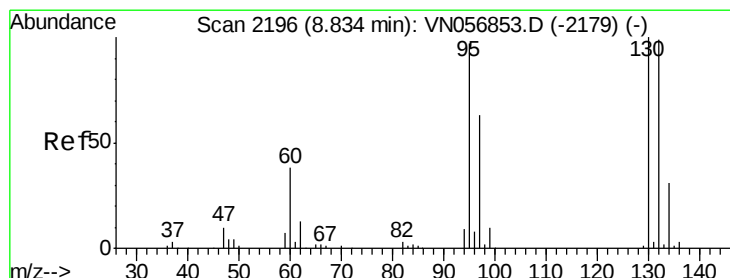
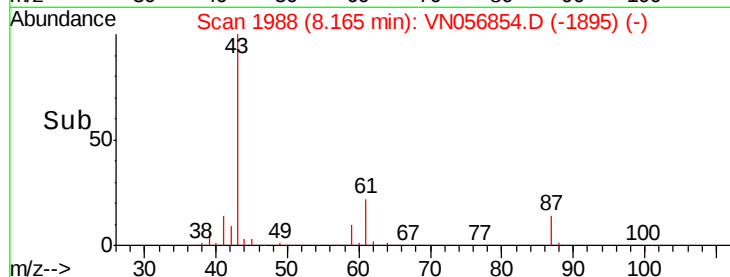
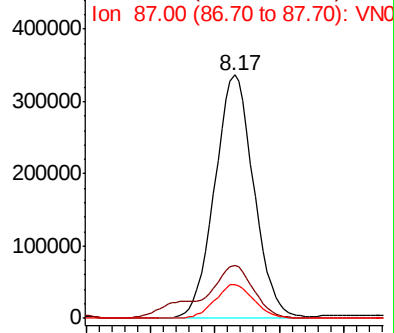
VSTDIC100

Tot Ion: 43 Resp: 707903

Ion	Ratio	Lower	Upper
43	100		
61	28.8	17.8	26.6#
87	13.9	11.0	16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056853.D (-1970) (-)



#44

Trichloroethene

Concen: 99.547 ug/l

RT: 8.83 min Scan# 2196

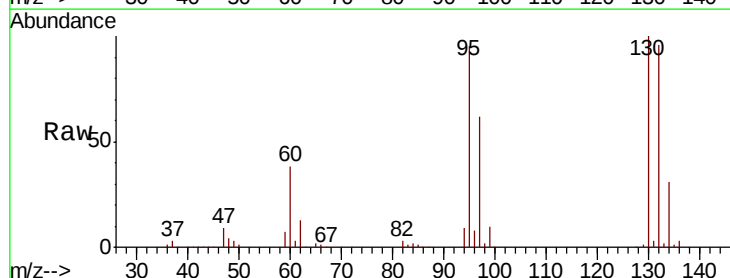
Delta R.T. -0.00 min

Lab File: VN056854.D

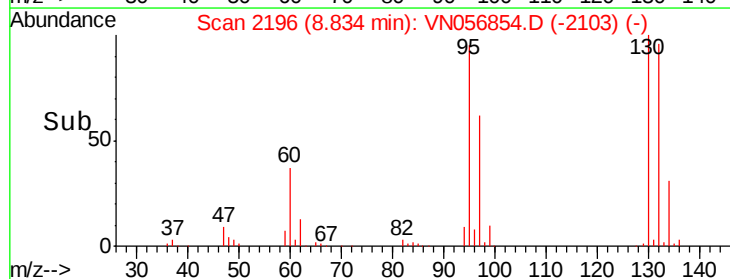
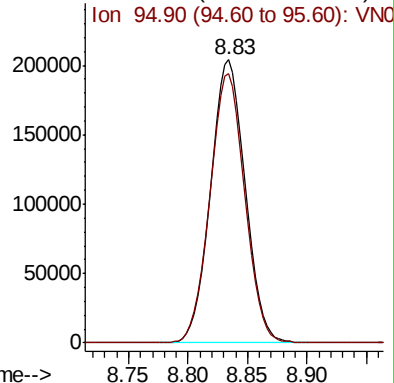
Acq: 22 Jul 2019 13:34

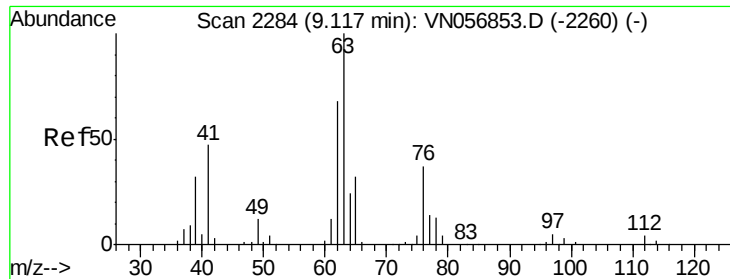
Tgt Ion: 130 Resp: 411070

Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	194.0



Abundance Ion 129.80 (129.50 to 130.50): VN056853.D (-2179) (-)

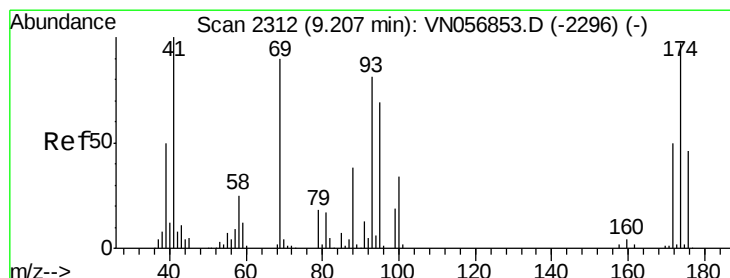
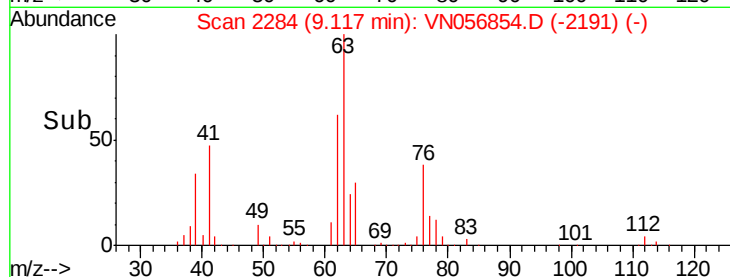
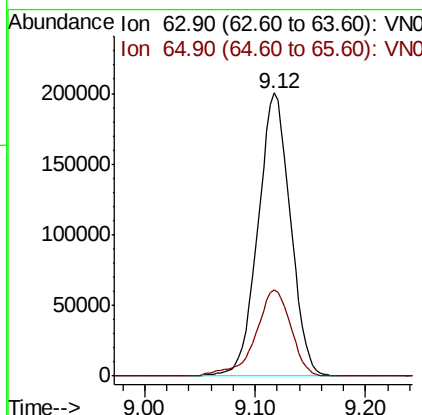
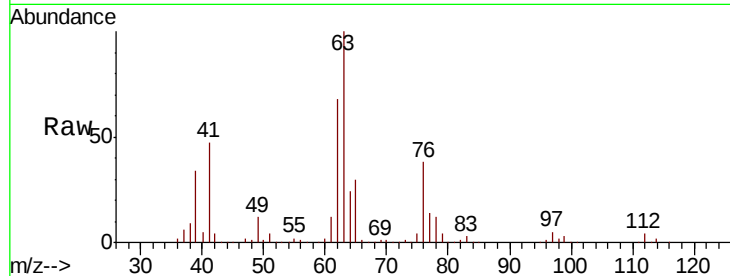




#45
 1,2-Dichloropropane
 Concen: 101.283 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

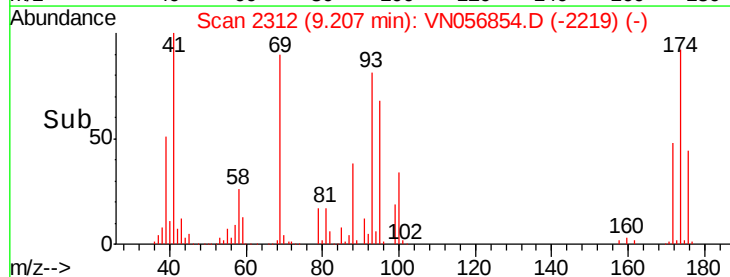
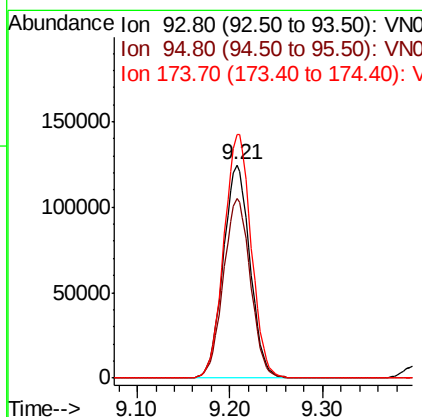
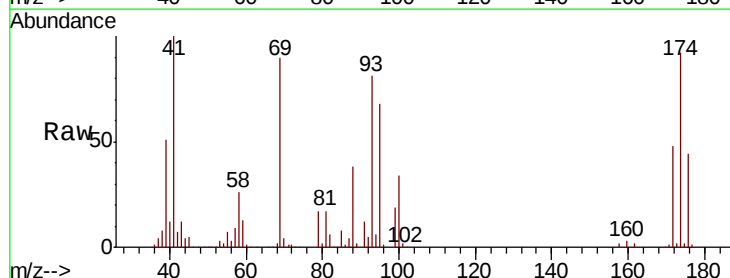
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

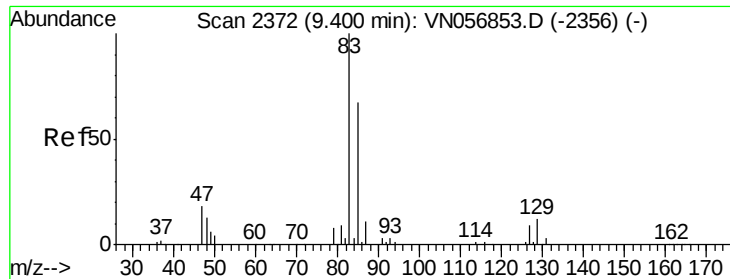
Tot Ion: 63 Resp: 407865
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.4 38.0



#46
 Dibromomethane
 Concen: 100.750 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion: 93 Resp: 250672
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.4 101.0
 174 116.1 92.9 139.3





#47

Bromodichloromethane

Concen: 105.387 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

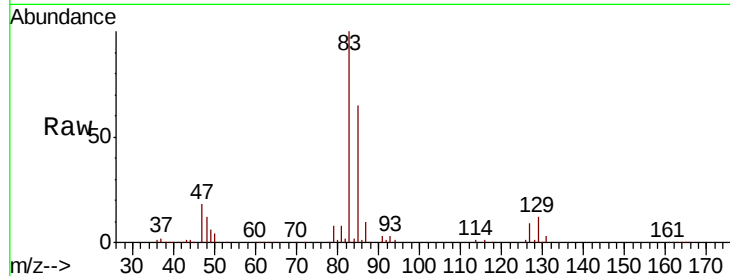
Tot Ion: 83 Resp: 499414

Ion Ratio Lower Upper

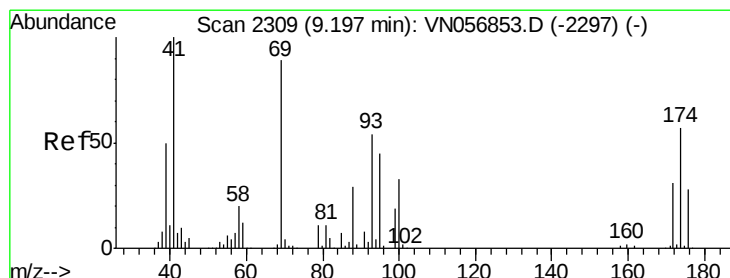
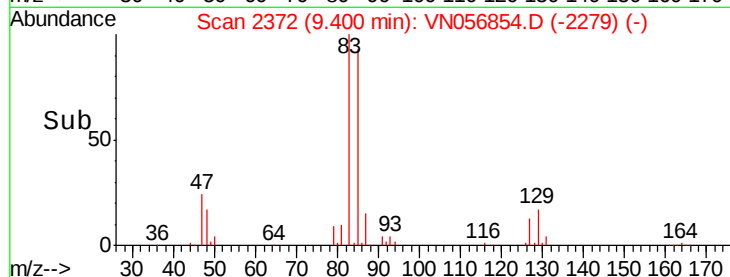
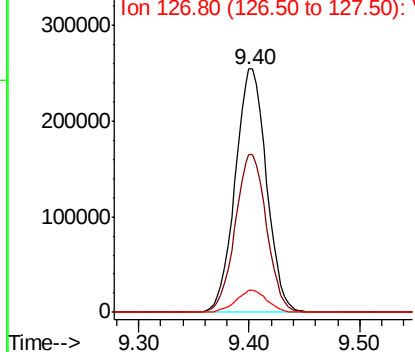
83 100

85 65.1 53.4 80.2

127 8.9 7.2 10.8



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



#48

Methyl methacrylate

Concen: 96.494 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

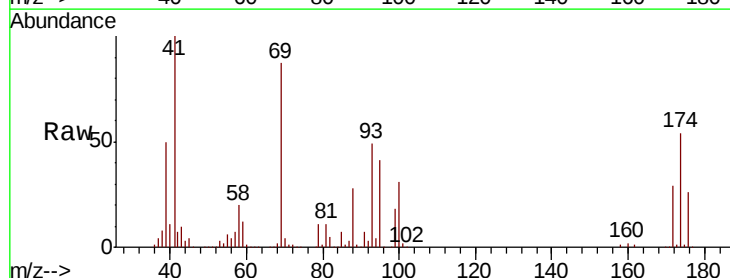
Tgt Ion: 41 Resp: 351009

Ion Ratio Lower Upper

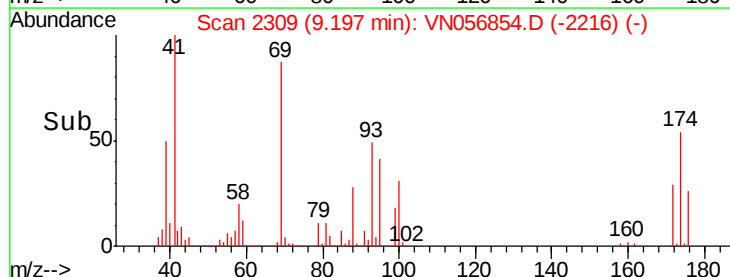
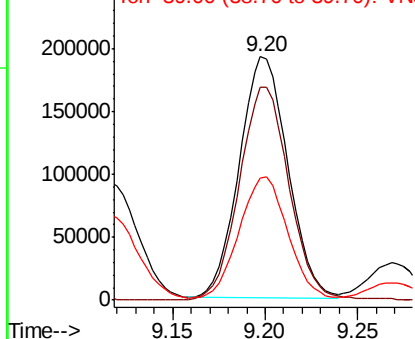
41 100

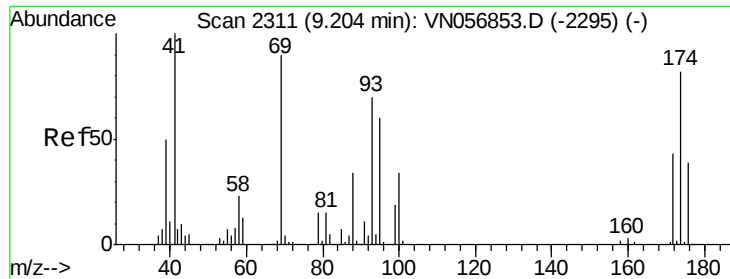
69 90.9 71.1 106.7

39 51.4 40.6 60.8



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





#49

1,4-Dioxane

Concen: 1901.914 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

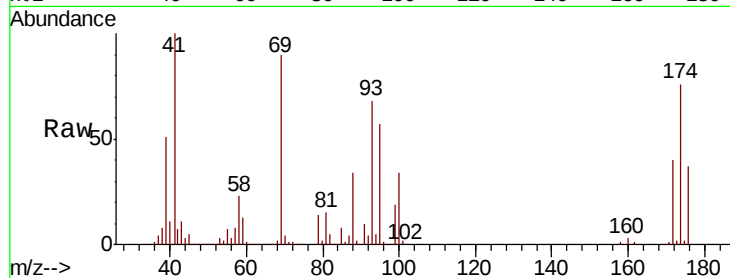
Tot Ion: 88 Resp: 142956

Ion Ratio Lower Upper

88 100

43 28.4 21.4 32.2

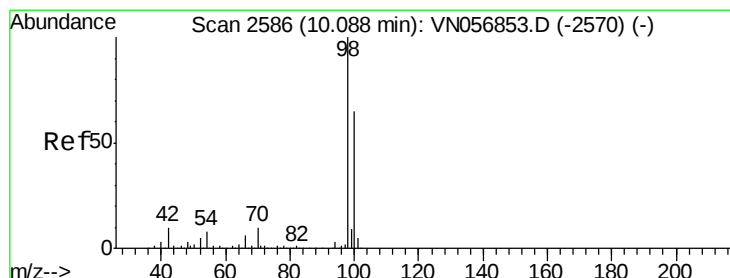
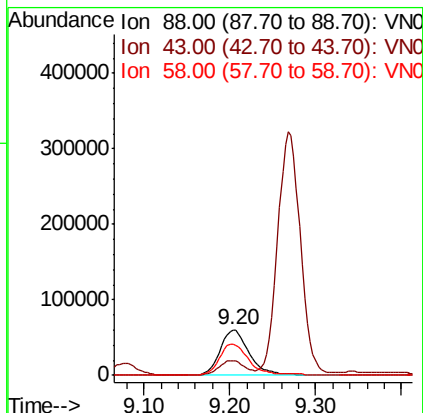
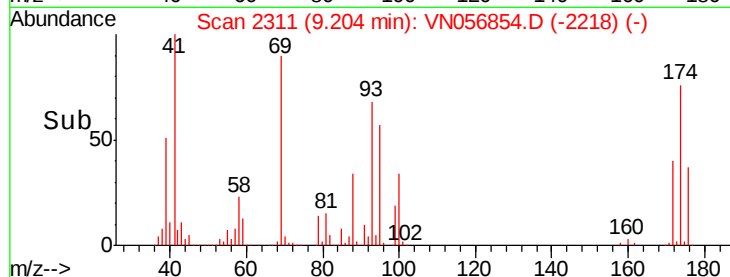
58 71.0 55.7 83.5



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: 100.884 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056854.D

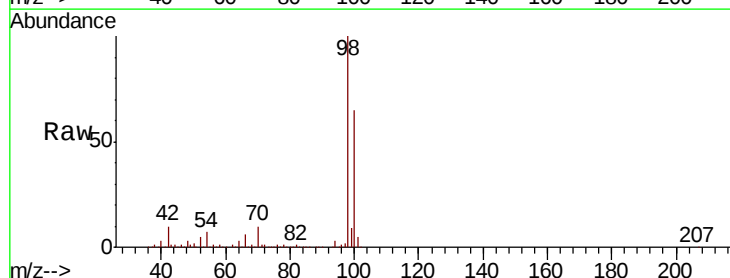
Acq: 22 Jul 2019 13:34

Tgt Ion: 98 Resp: 1284604

Ion Ratio Lower Upper

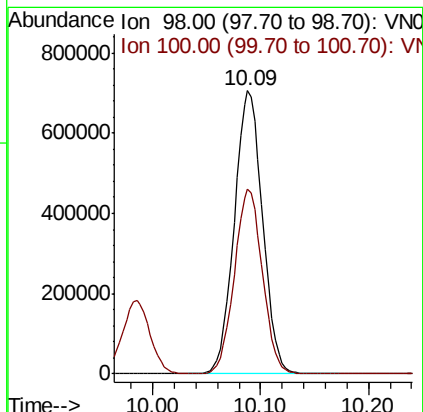
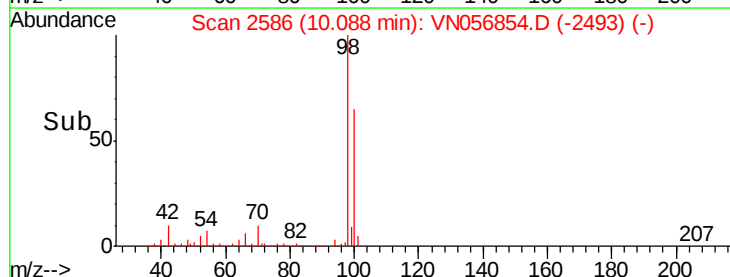
98 100

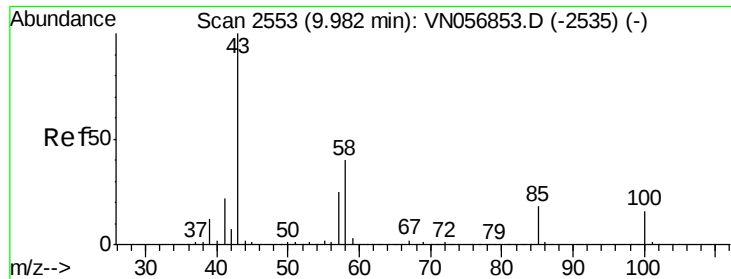
100 64.9 51.5 77.3



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: 443.605 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

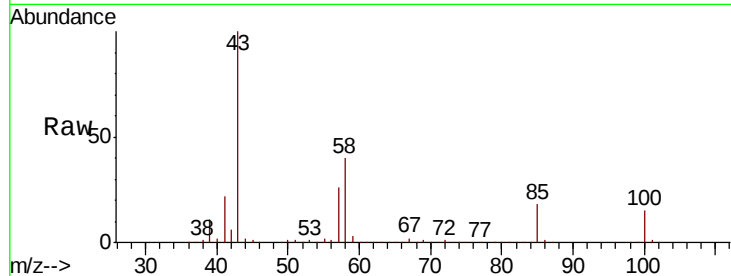
VSTDIC100

Tot Ion: 43 Resp: 2131925

Ion Ratio Lower Upper

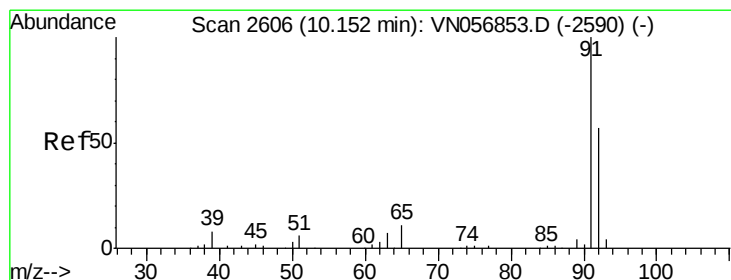
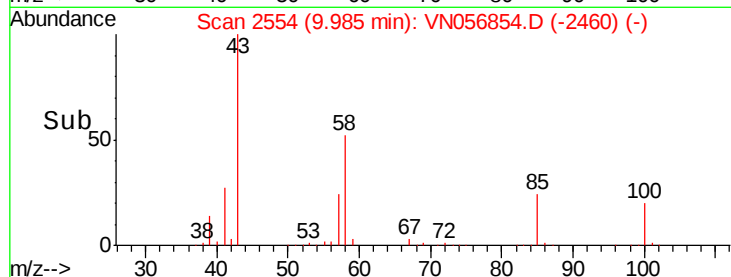
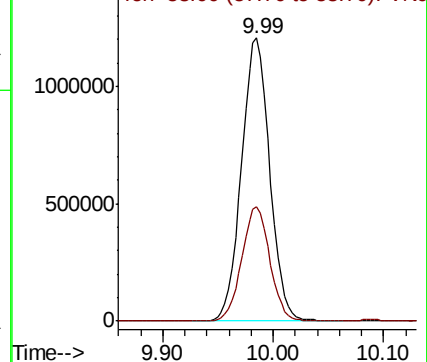
43 100

58 40.2 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 104.827 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056854.D

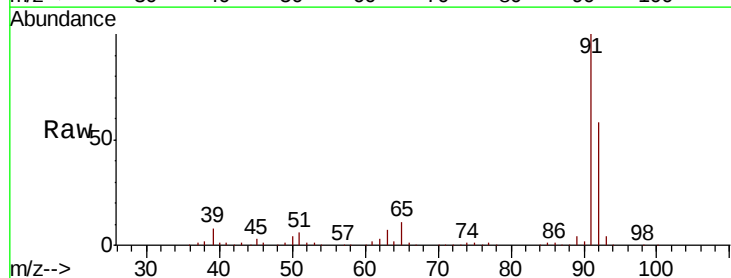
Acq: 22 Jul 2019 13:34

Tgt Ion: 92 Resp: 947031

Ion Ratio Lower Upper

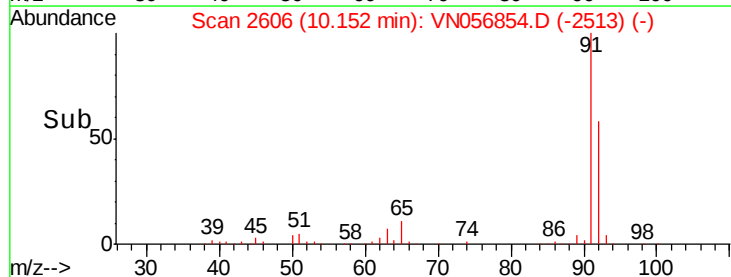
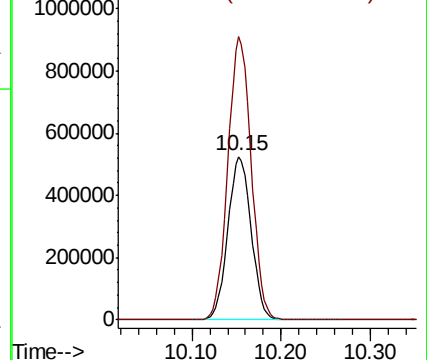
92 100

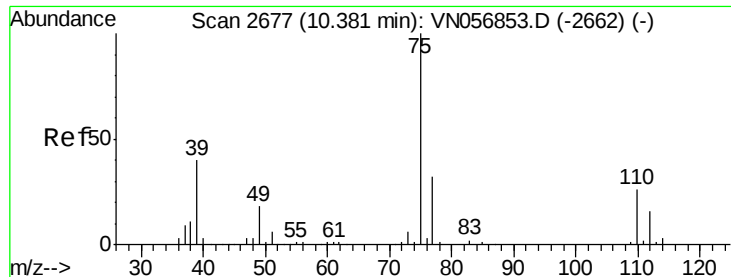
91 173.9 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

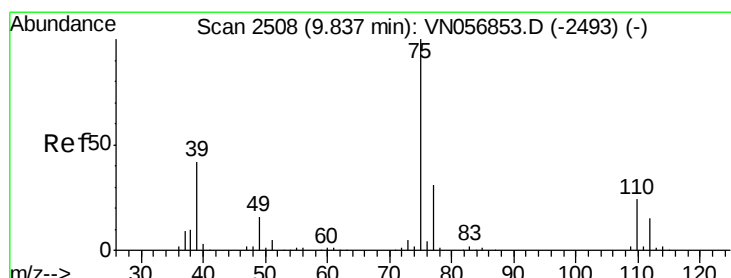
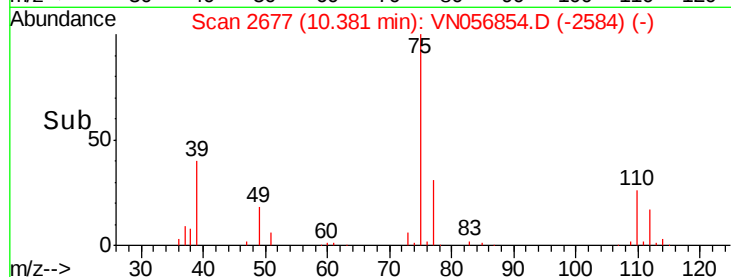
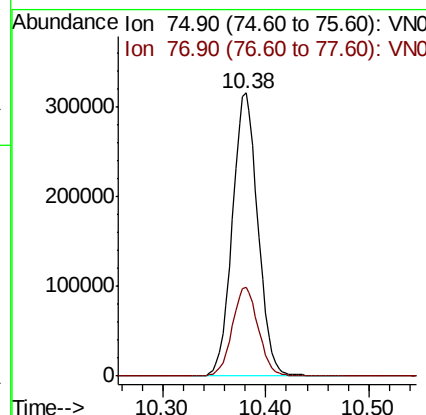
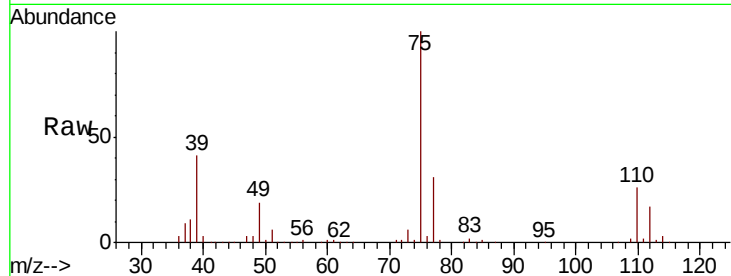




#53
 t-1,3-Dichloropropene
 Concen: 110.744 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

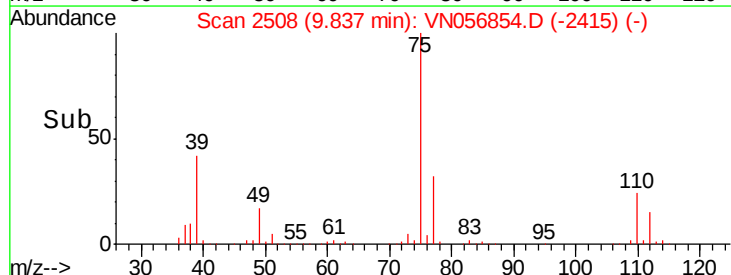
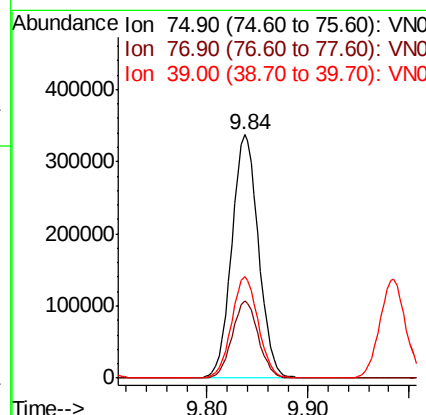
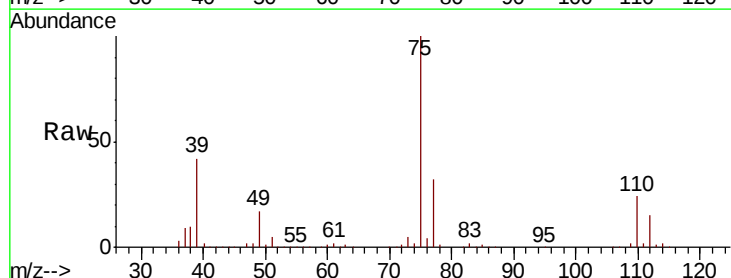
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

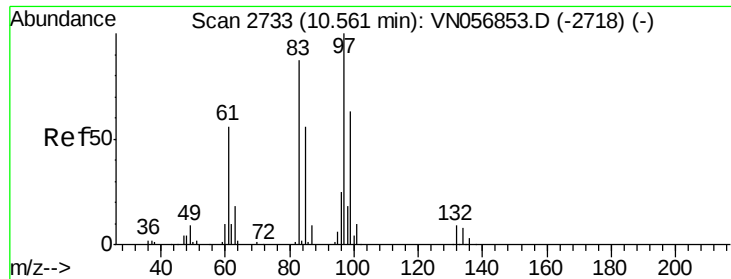
Tot Ion: 75 Resp: 545768
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 108.674 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion: 75 Resp: 623174
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7
 39 41.5 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 97.705 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 366906

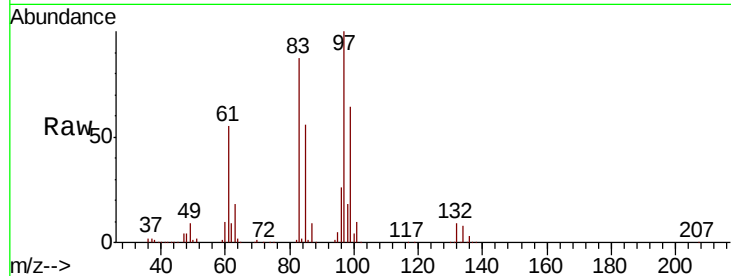
Ion Ratio Lower Upper

97 100

83 86.9 70.0 105.0

85 56.1 45.1 67.7

99 63.6 50.2 75.4

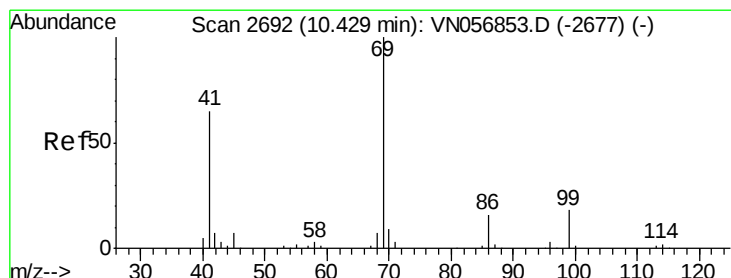
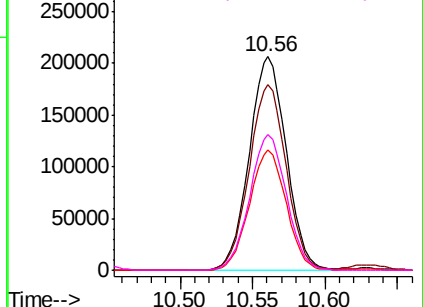
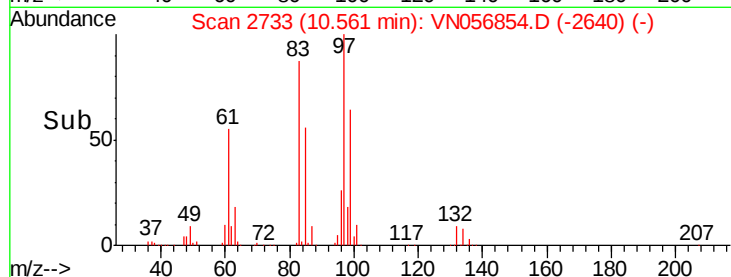


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 105.306 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

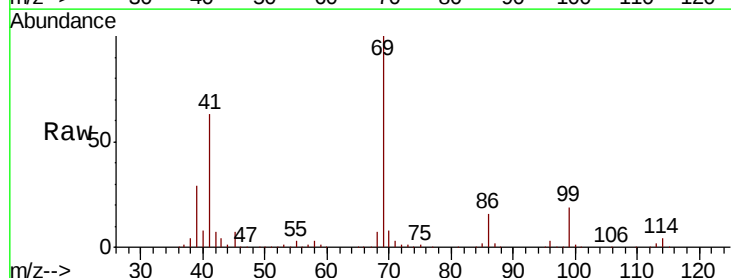
Tgt Ion: 69 Resp: 562476

Ion Ratio Lower Upper

69 100

41 62.8 51.0 76.6

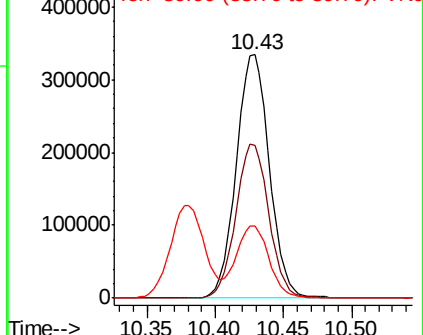
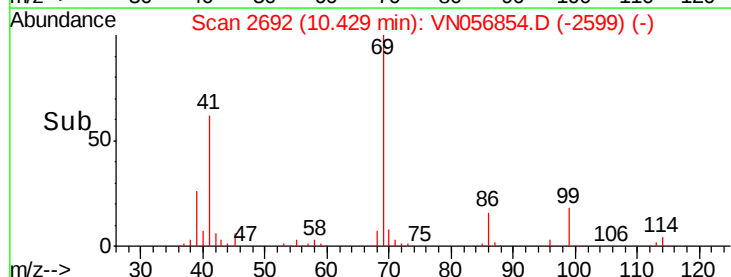
39 29.8 24.5 36.7

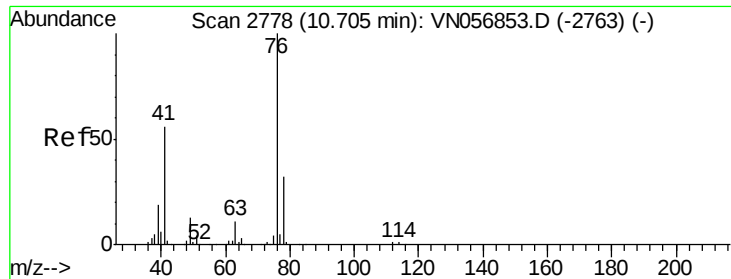


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

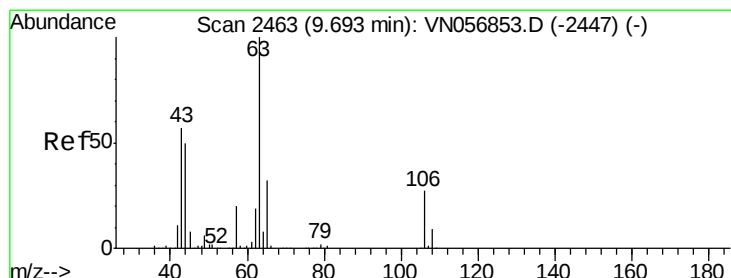
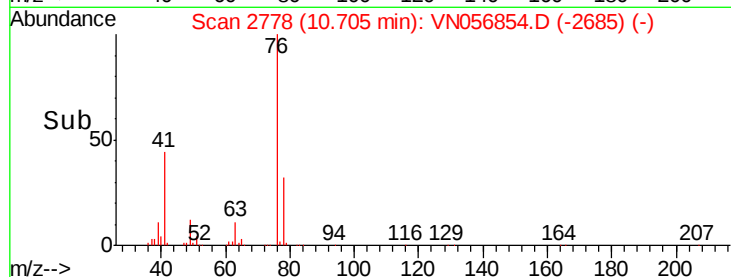
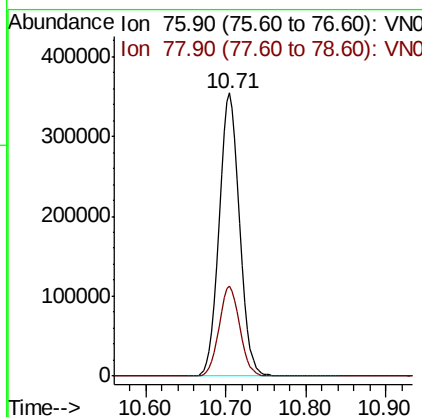
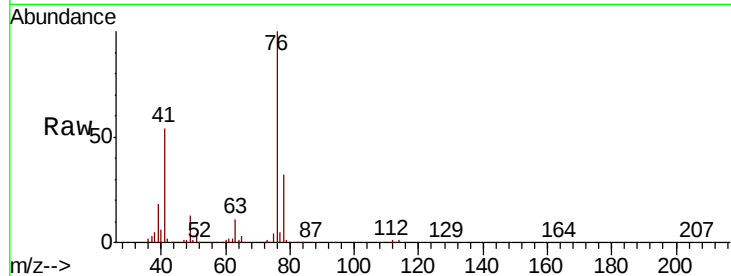




#57
 1,3-Dichloropropane
 Concen: 101.971 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

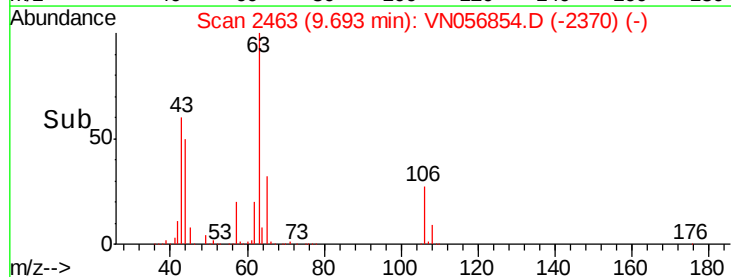
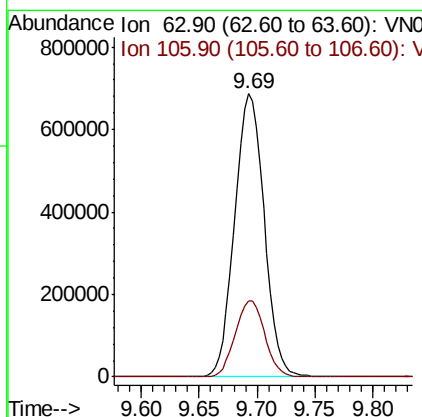
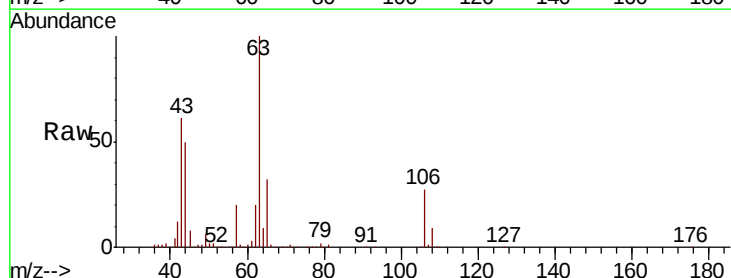
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

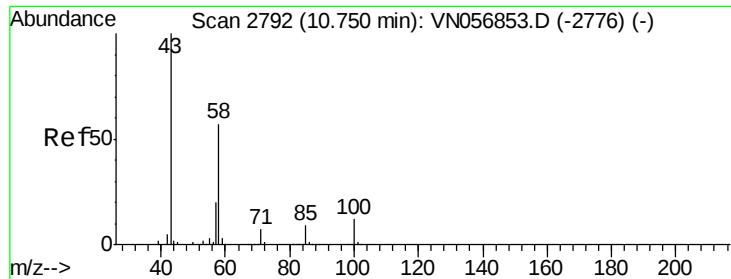
Tot Ion: 76 Resp: 626176
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 483.186 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion: 63 Resp: 1215378
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.8 32.8

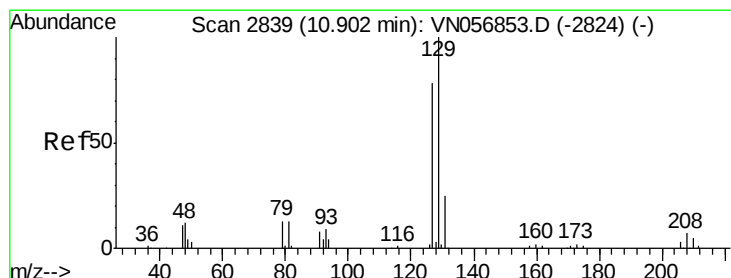
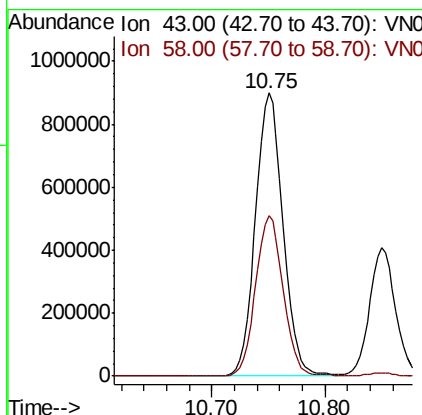
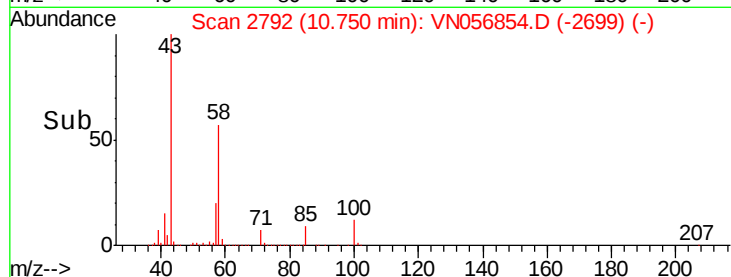
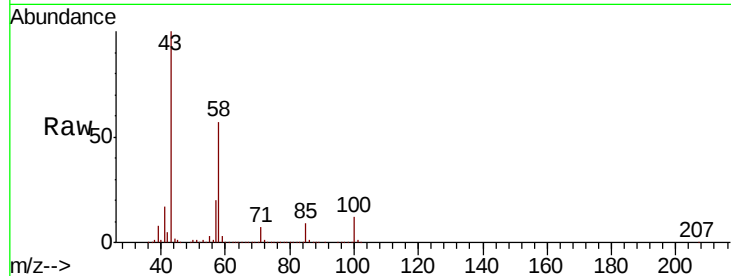




#59
2-Hexanone
Concen: 445.840 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

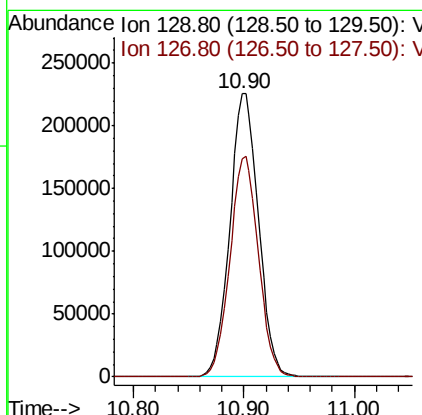
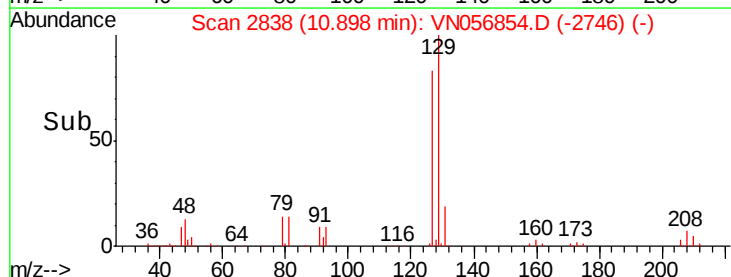
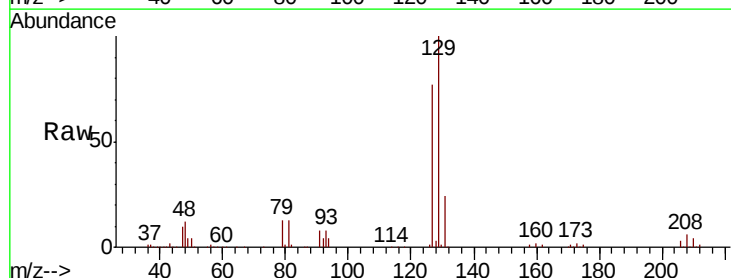
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

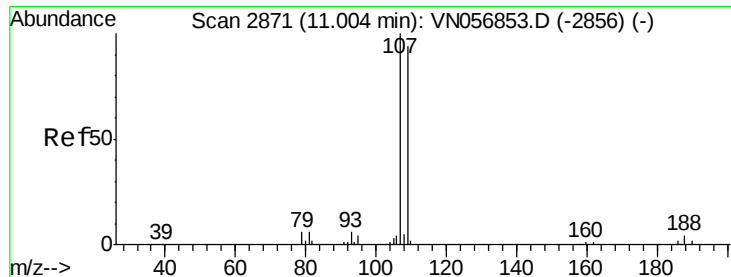
Tot Ion: 43 Resp: 1522493
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0



#60
Dibromochloromethane
Concen: 109.937 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 129 Resp: 406548
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 103.424 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

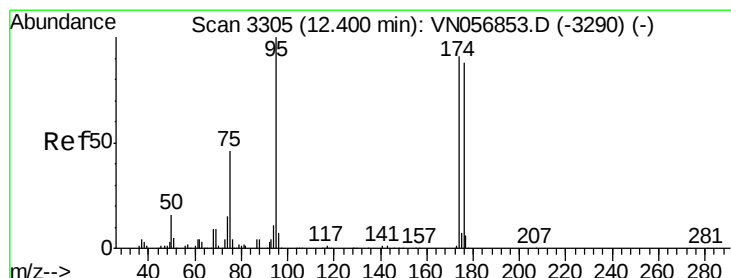
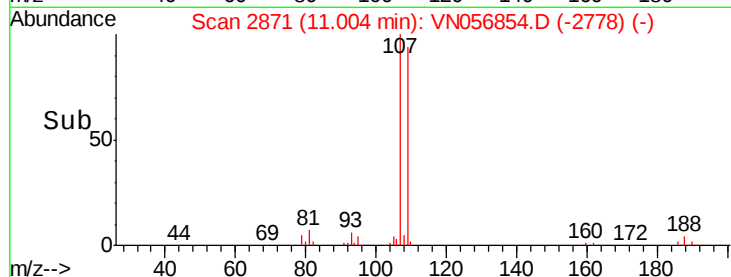
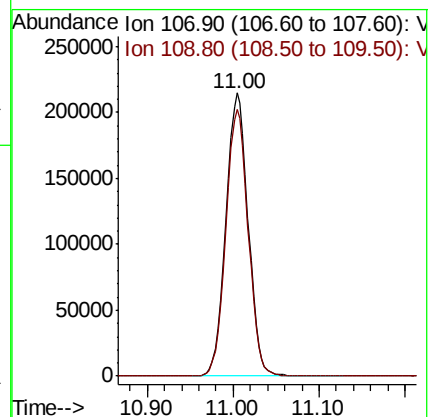
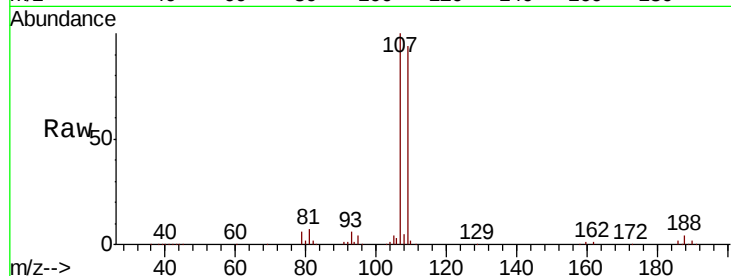
VSTDIC100

Tot Ion:107 Resp: 386333

Ion Ratio Lower Upper

107 100

109 94.7 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 105.418 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

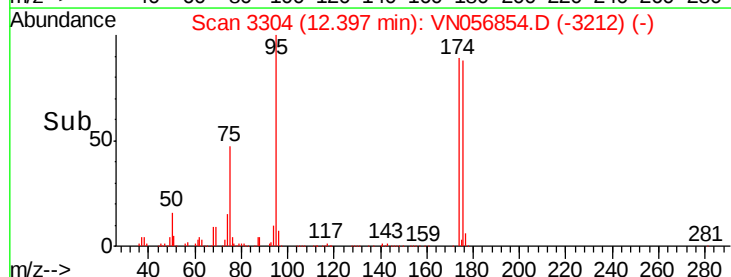
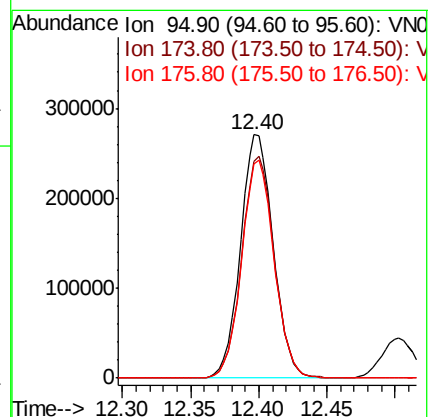
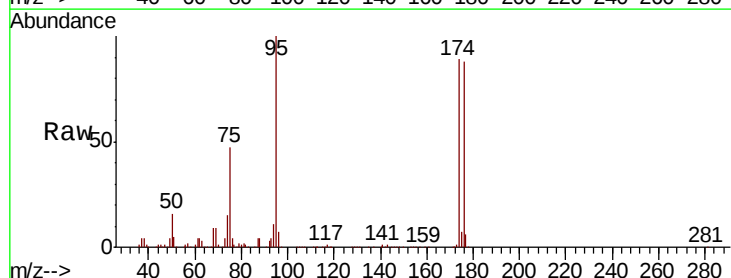
Tgt Ion: 95 Resp: 450431

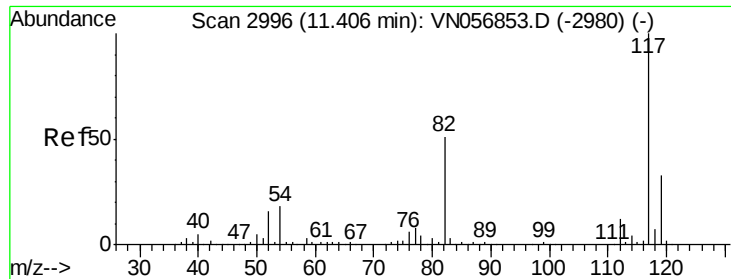
Ion Ratio Lower Upper

95 100

174 90.7 0.0 183.4

176 88.8 0.0 175.8

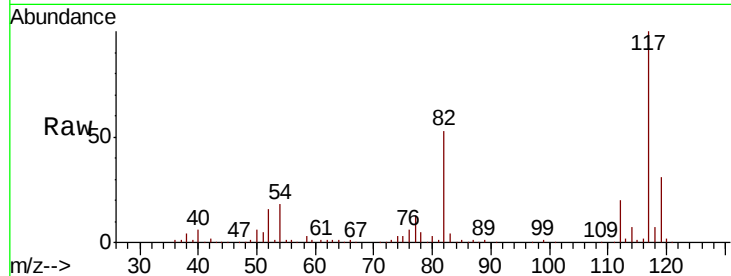




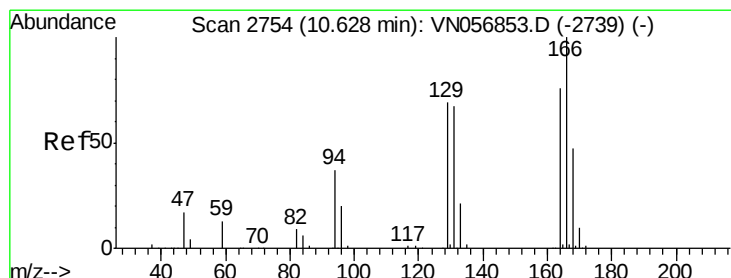
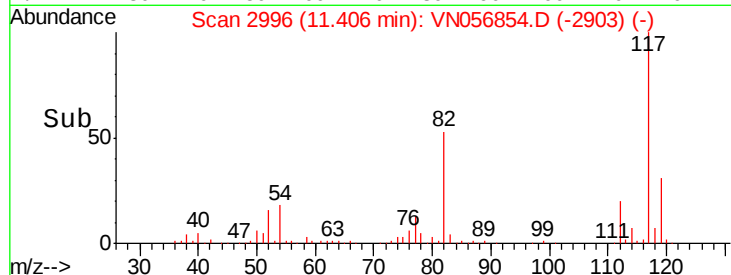
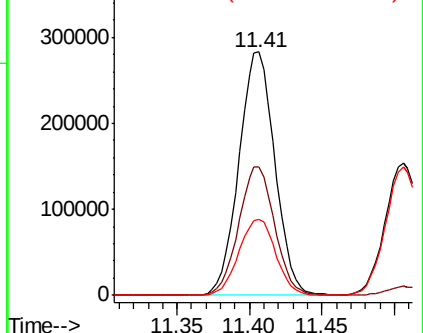
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 488818
Ion Ratio Lower Upper
117 100
82 52.7 41.2 61.8
119 31.4 26.4 39.6

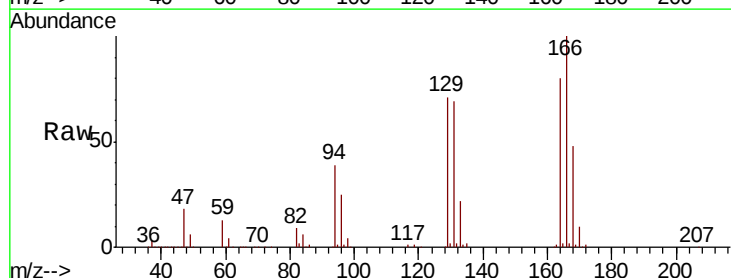


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

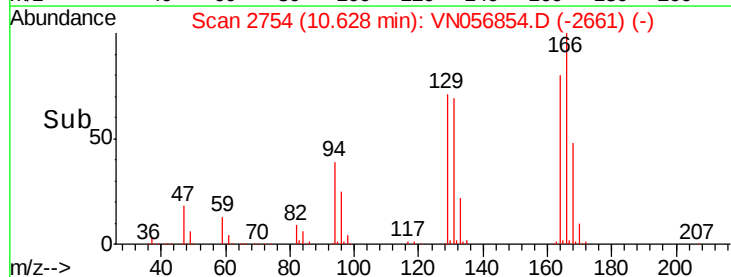
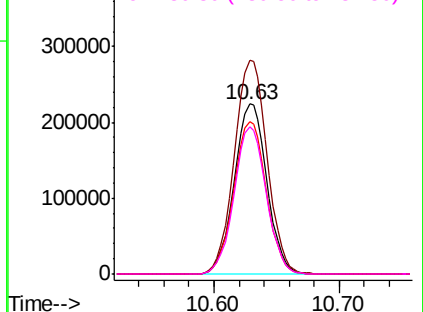


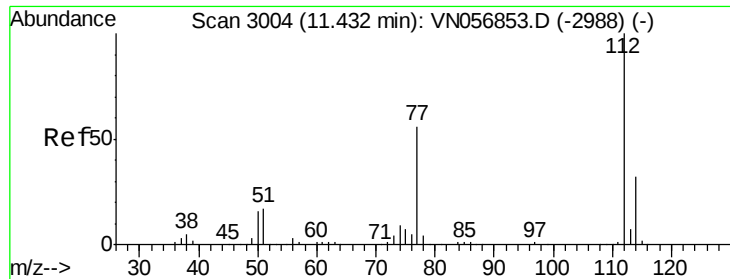
#64
Tetrachloroethene
Concen: 94.310 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion:164 Resp: 403546
Ion Ratio Lower Upper
164 100
166 125.5 104.9 157.3
129 89.5 72.8 109.2
131 86.3 70.2 105.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

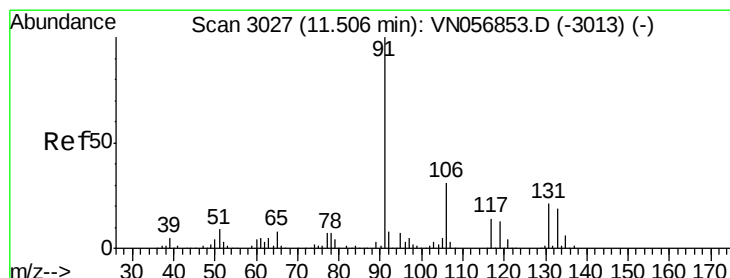
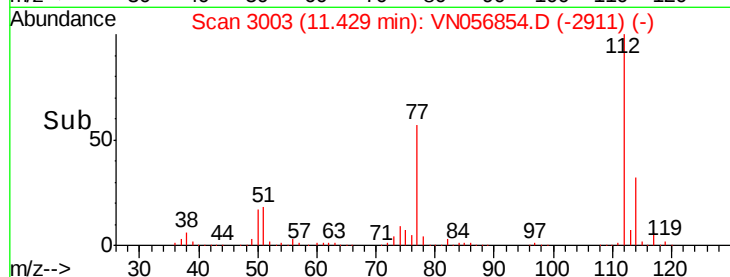
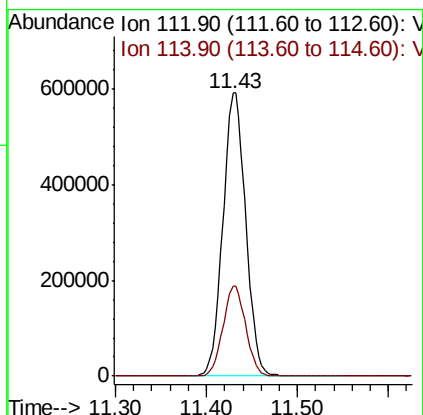
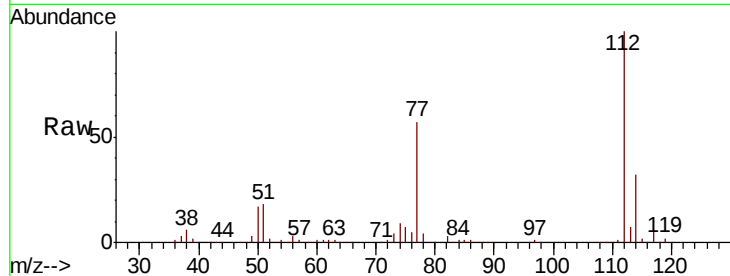




#65
Chlorobenzene
Concen: 101.680 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

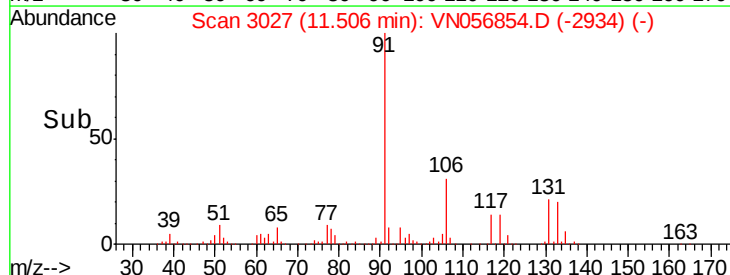
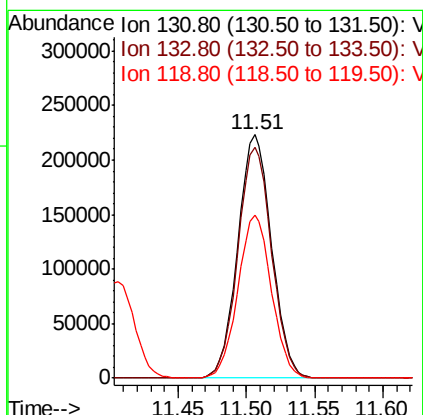
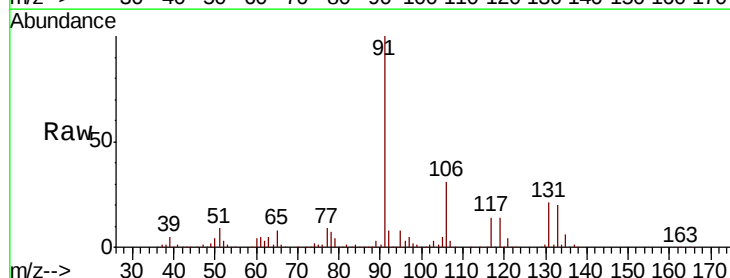
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

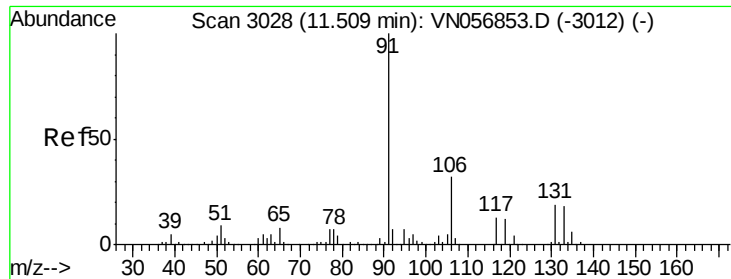
Tot Ion:112 Resp: 1029696
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 102.818 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion:131 Resp: 383112
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.3
119 66.6 33.1 99.5

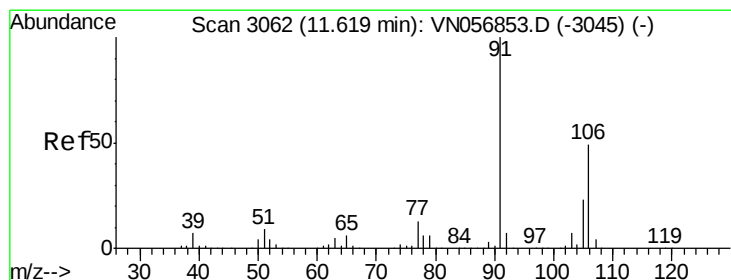
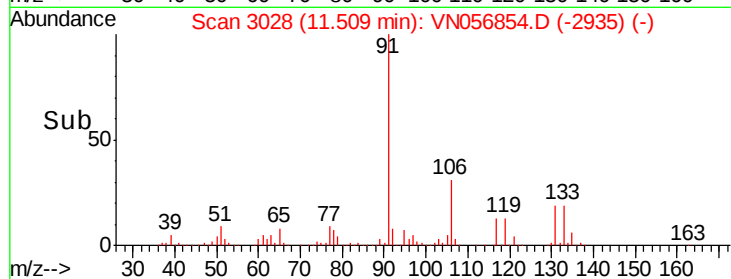
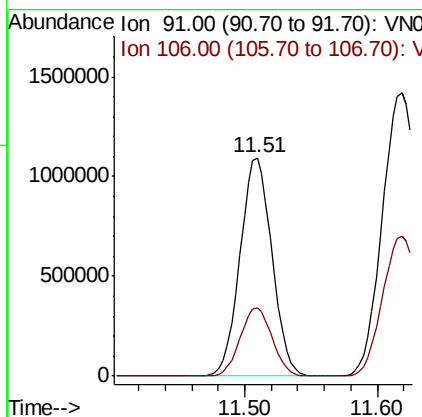
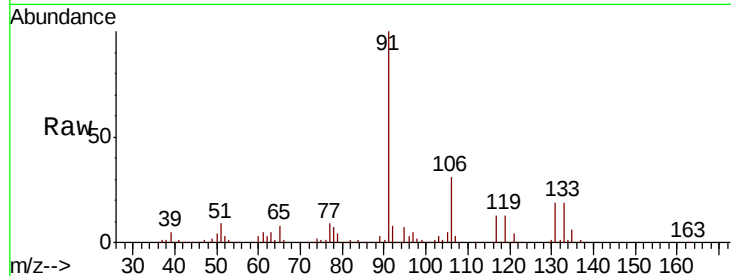




#67
Ethyl Benzene
Concen: 102.704 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

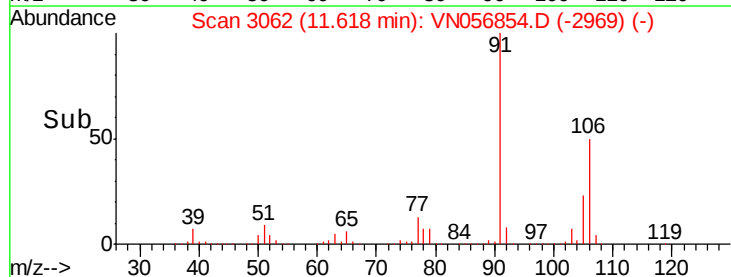
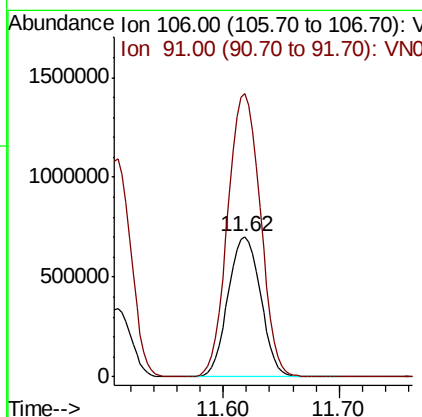
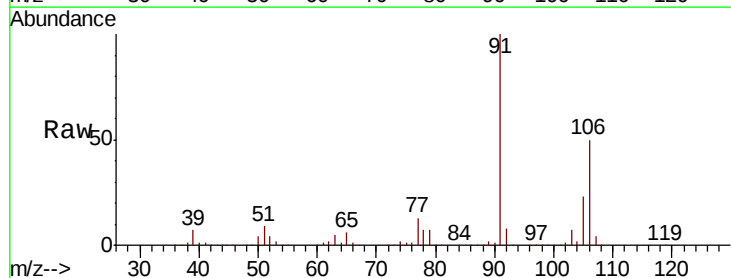
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

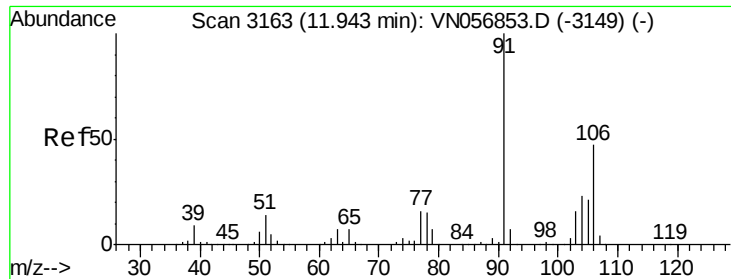
Tot Ion: 91 Resp: 1825071
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9



#68
m/p-Xylenes
Concen: 207.404 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 106 Resp: 1376739
Ion Ratio Lower Upper
106 100
91 201.7 160.5 240.7

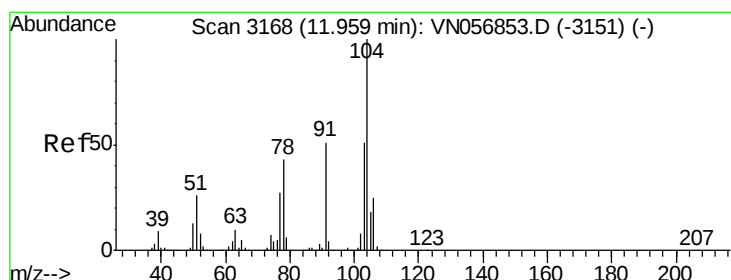
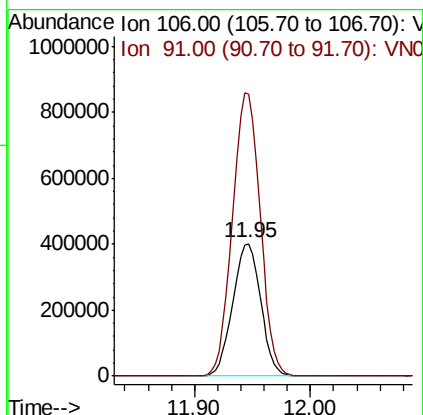
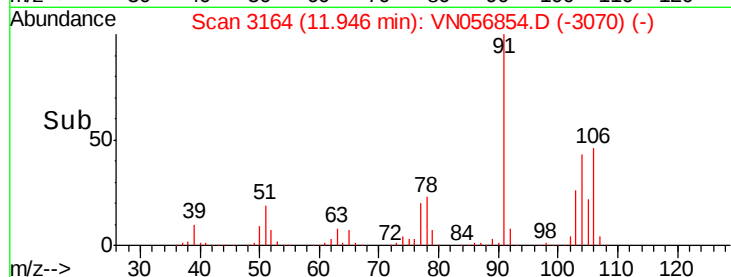
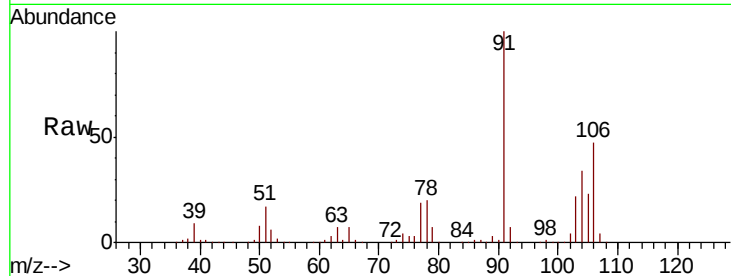




#69
o-Xylene
Concen: 102.174 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

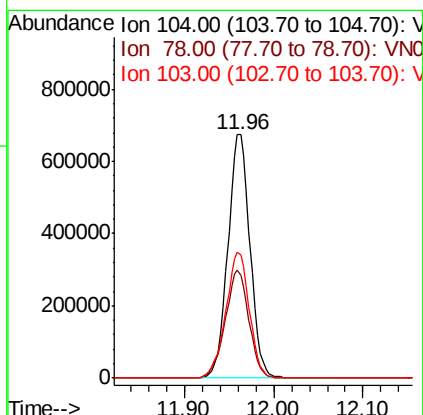
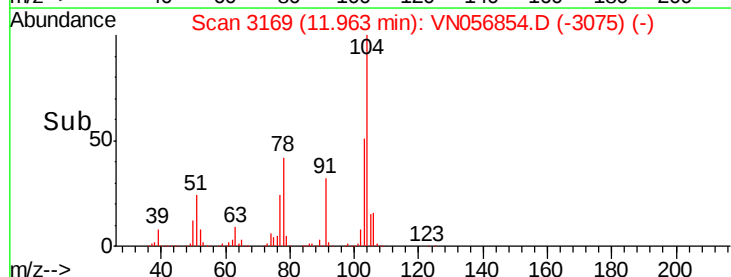
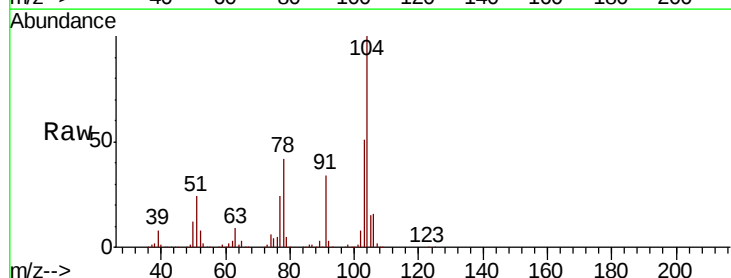
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

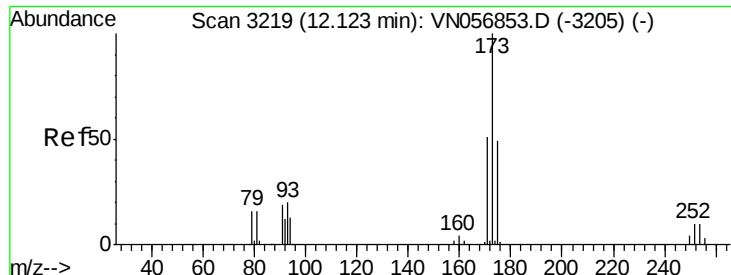
Tot Ion:106 Resp: 666968
Ion Ratio Lower Upper
106 100
91 212.9 105.1 315.3



#70
Styrene
Concen: 109.198 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion:104 Resp: 1151154
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 55.2 44.2 66.4





#71

Bromoform

Concen: 106.721 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

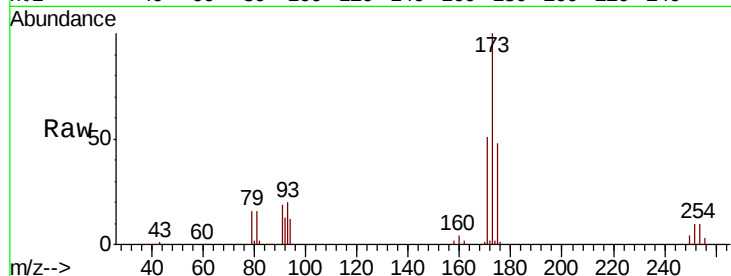
Tot Ion:173 Resp: 297875

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

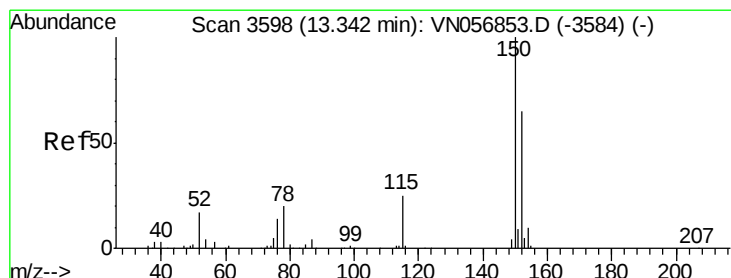
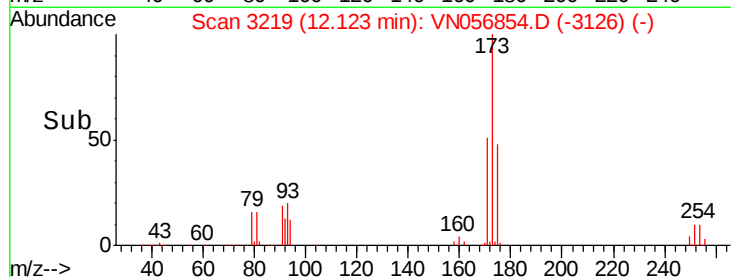
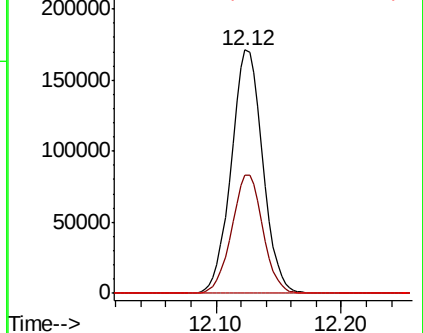
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

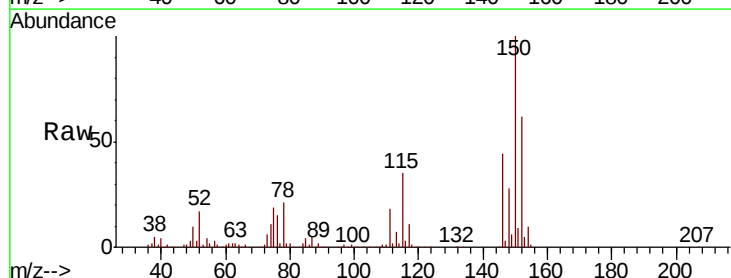
Tgt Ion:152 Resp: 235048

Ion Ratio Lower Upper

152 100

115 55.8 27.6 82.7

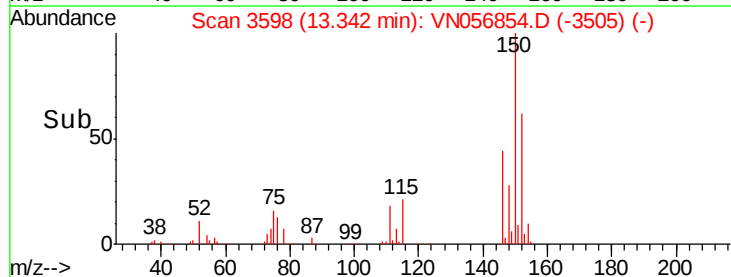
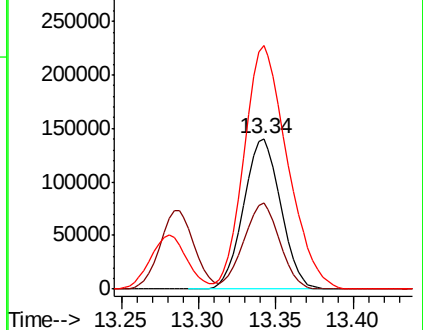
150 188.8 0.0 343.0

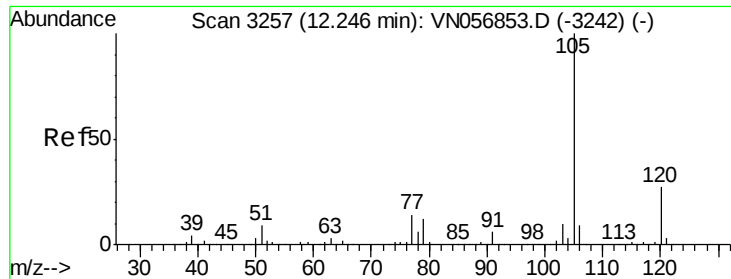


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 92.118 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

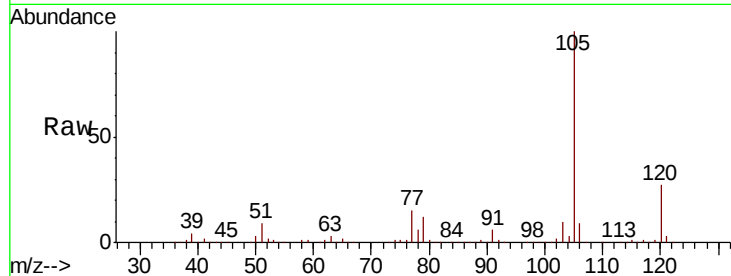
VSTDIC100

Tot Ion:105 Resp: 1776536

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

400000

200000

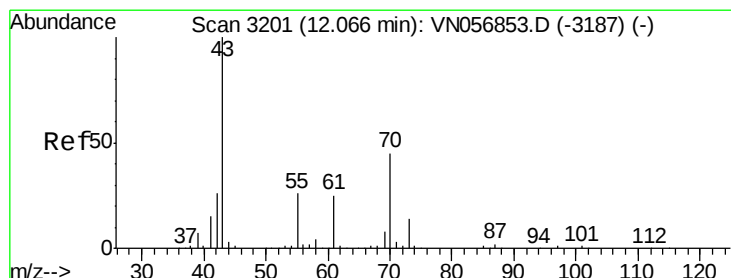
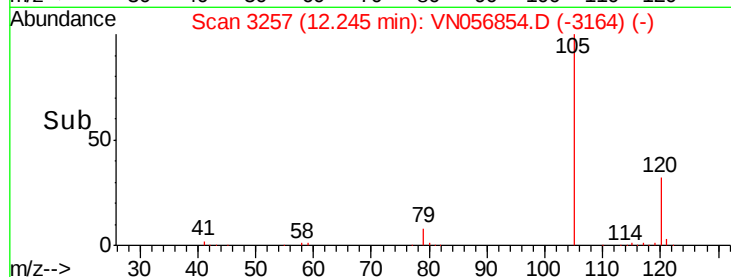
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 91.698 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Tgt Ion: 43 Resp: 644071

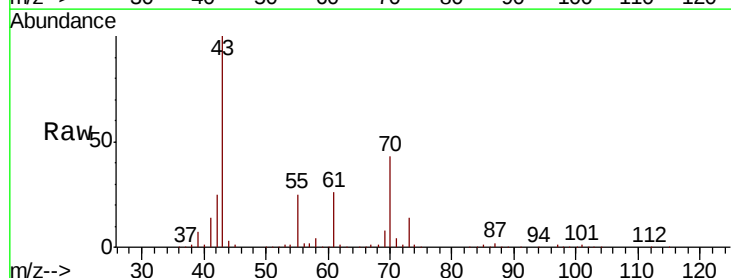
Ion Ratio Lower Upper

43 100

70 43.9 35.3 52.9

55 25.1 20.6 31.0

61 25.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

600000

500000

400000

300000

200000

100000

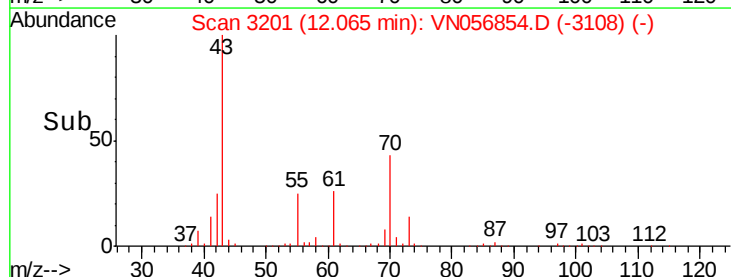
0

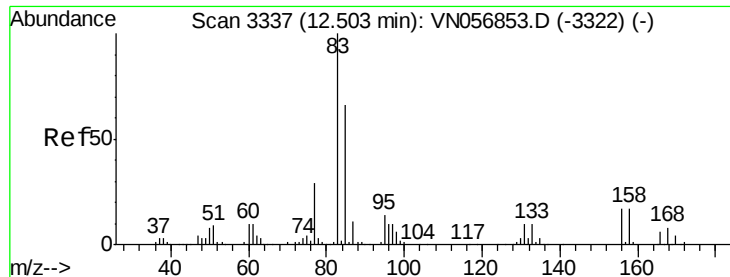
12.00

12.07

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 79.037 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

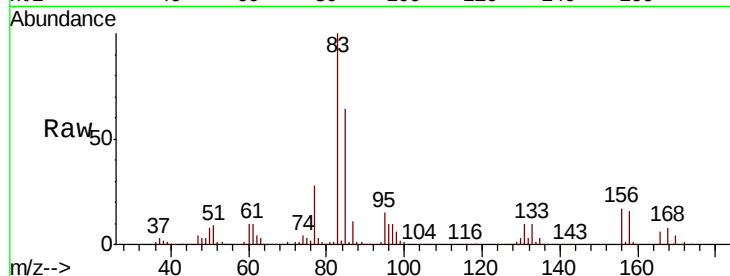
Tot Ion: 83 Resp: 502869

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

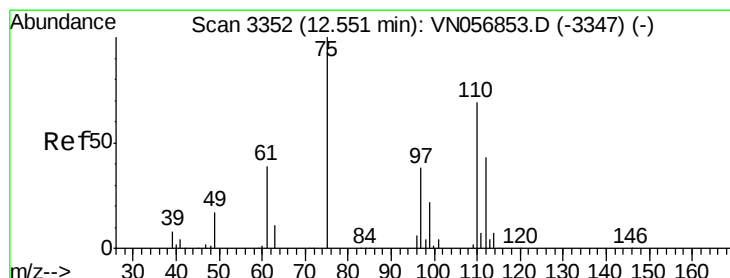
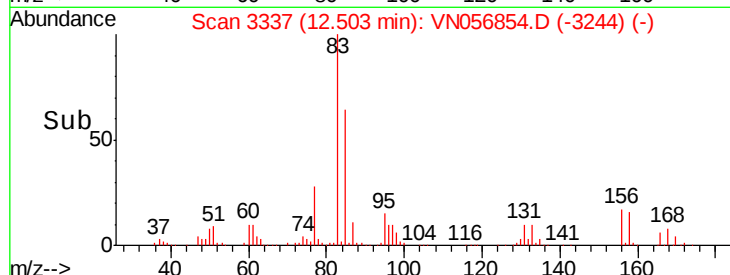
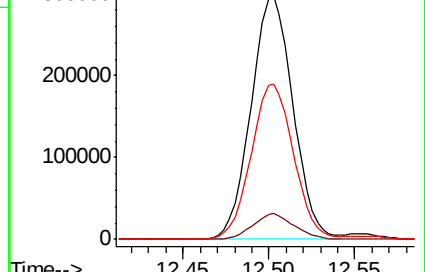
85 64.3 32.8 98.3



Abundance Ion 82.90 (82.60 to 83.60): VN056853.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN056853.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN056853.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 122.495 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056854.D

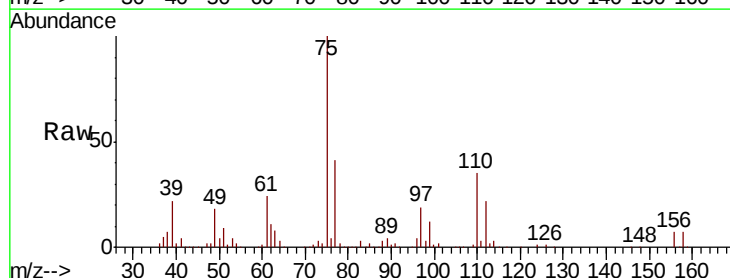
Acq: 22 Jul 2019 13:34

Tgt Ion: 75 Resp: 625792

Ion Ratio Lower Upper

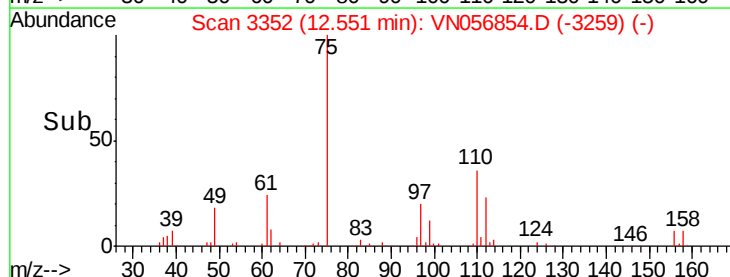
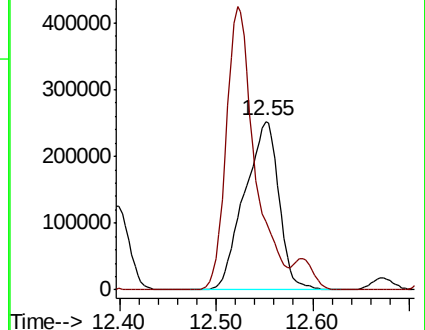
75 100

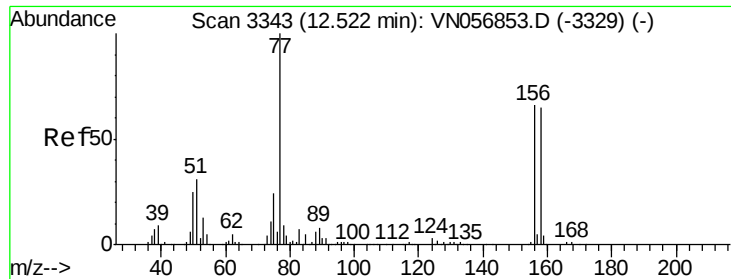
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056853.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN056853.D (-3347) (-)





#77

Bromobenzene

Concen: 93.631 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

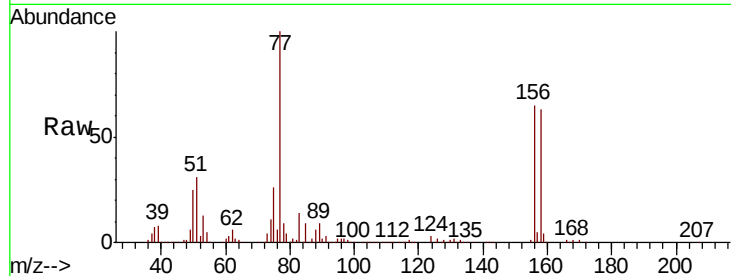
Tot Ion:156 Resp: 471944

Ion Ratio Lower Upper

156 100

77 183.7 90.7 272.1

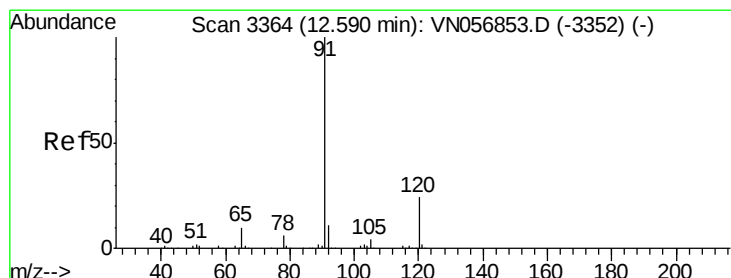
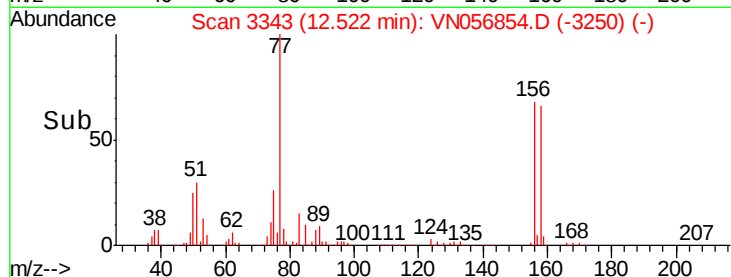
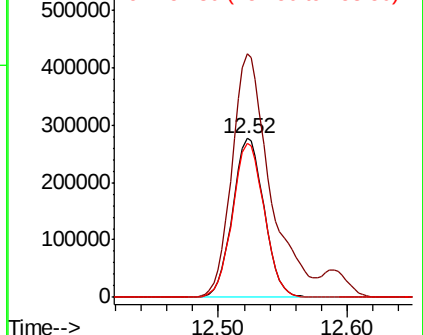
158 97.4 48.5 145.5



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: 95.202 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056854.D

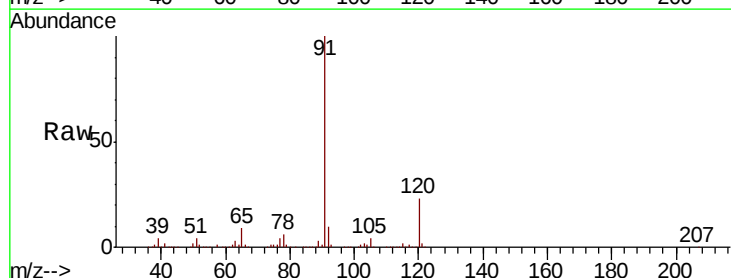
Acq: 22 Jul 2019 13:34

Tgt Ion: 91 Resp: 2028067

Ion Ratio Lower Upper

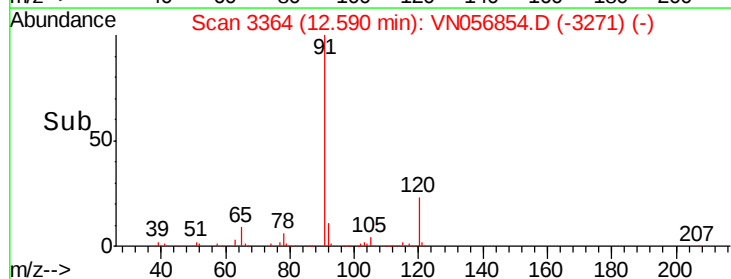
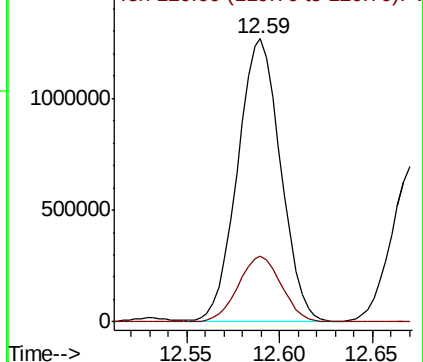
91 100

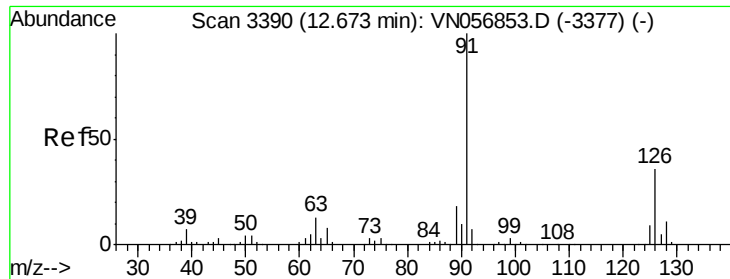
120 23.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 89.798 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

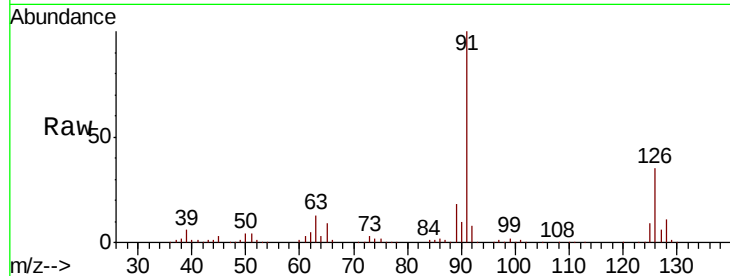
VSTDIC100

Tot Ion: 91 Resp: 1183761

Ion Ratio Lower Upper

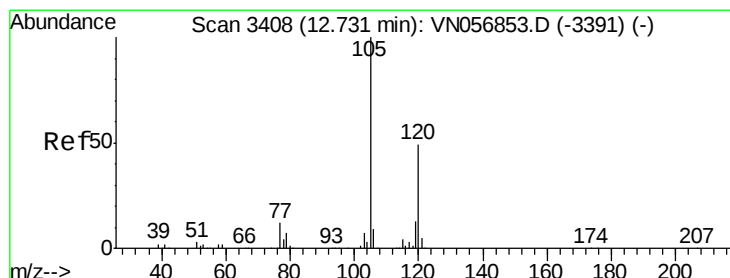
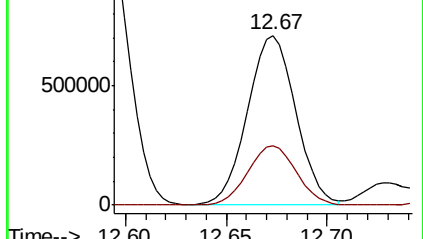
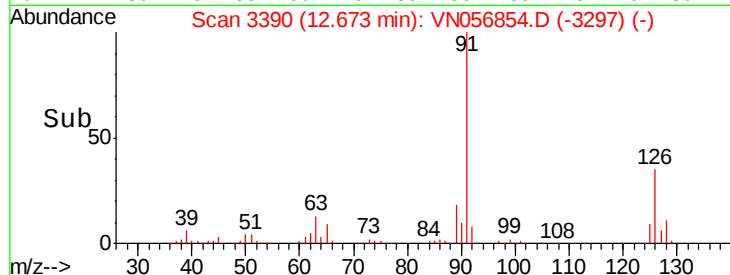
91 100

126 35.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VN056853.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056853.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 92.135 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056854.D

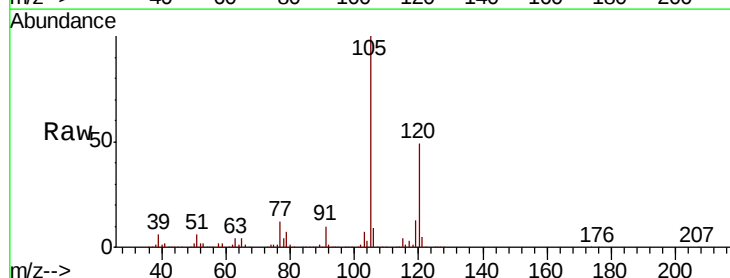
Acq: 22 Jul 2019 13:34

Tgt Ion:105 Resp: 1502048

Ion Ratio Lower Upper

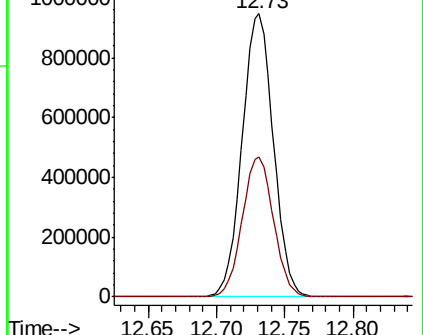
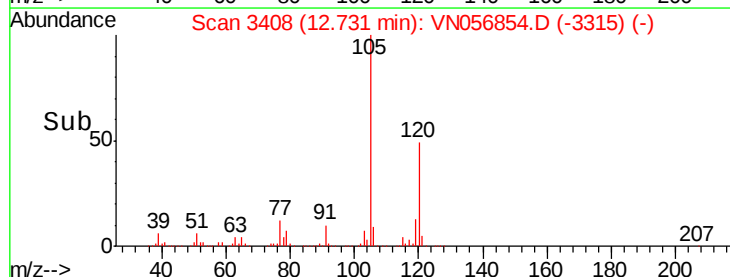
105 100

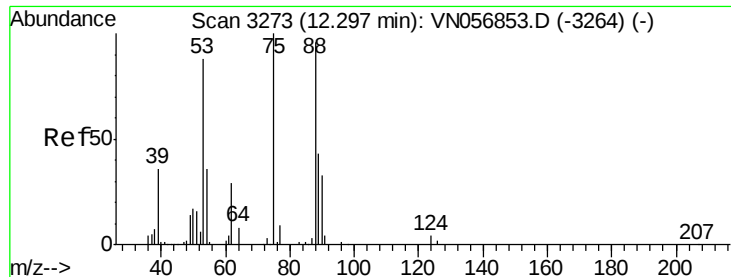
120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056853.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056853.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 96.220 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

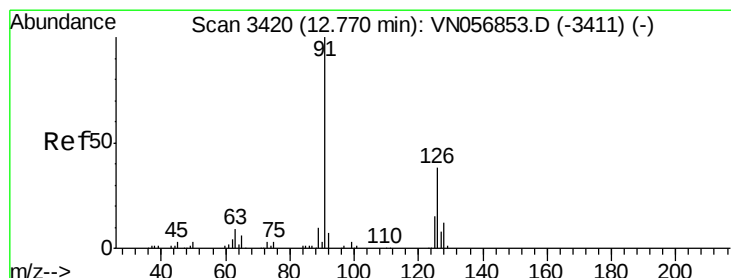
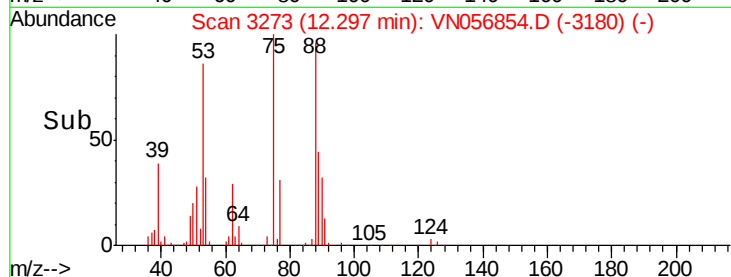
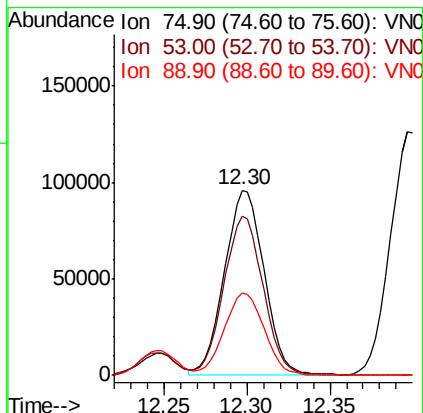
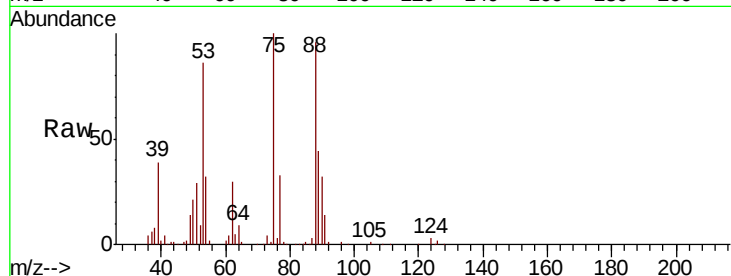
Tot Ion: 75 Resp: 158407

Ion Ratio Lower Upper

75 100

53 86.7 72.3 108.5

89 45.2 36.2 54.4



#82

4-Chlorotoluene

Concen: 96.624 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056854.D

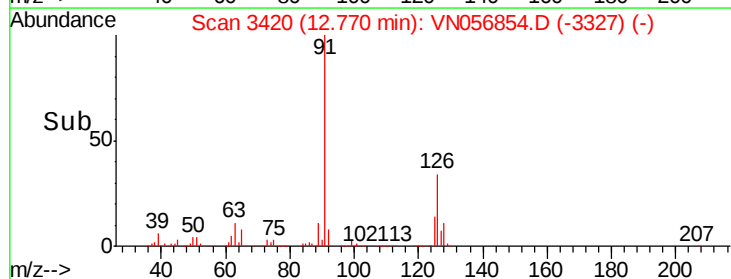
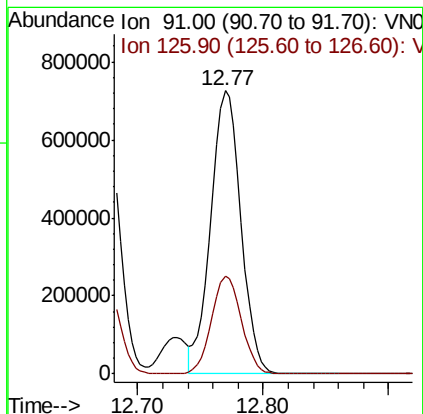
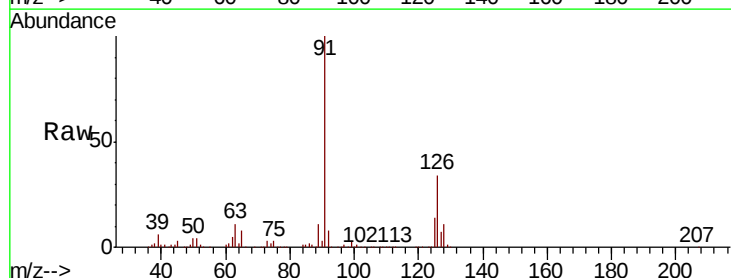
Acq: 22 Jul 2019 13:34

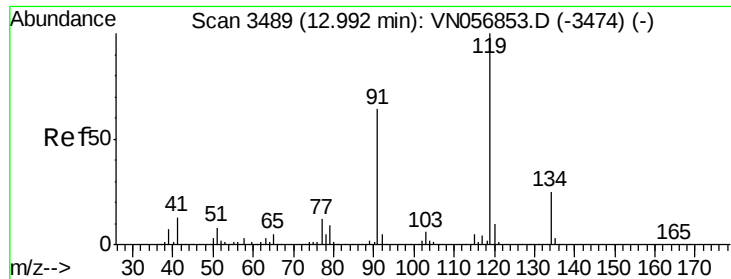
Tgt Ion: 91 Resp: 1208718

Ion Ratio Lower Upper

91 100

126 34.3 17.3 52.0

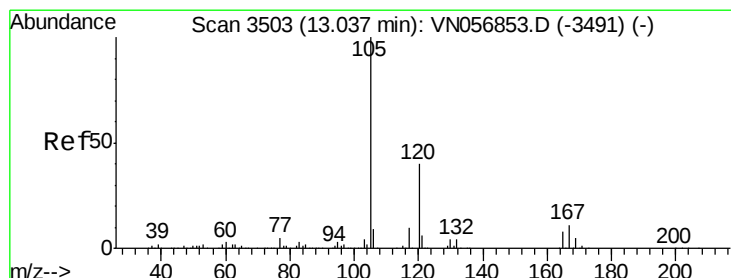
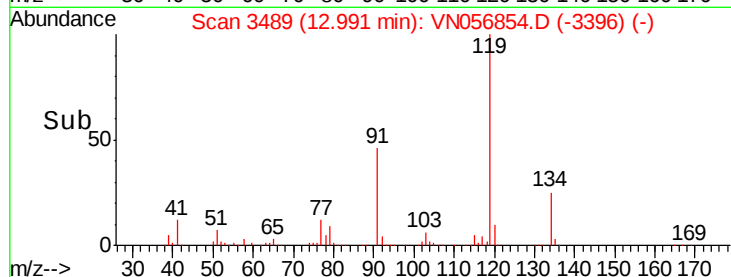
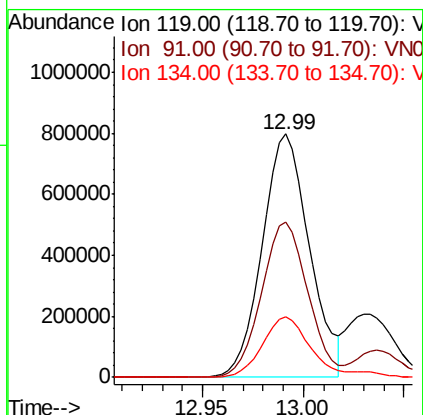
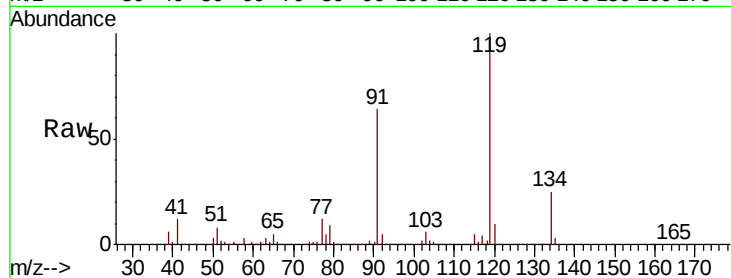




#83
tert-Butylbenzene
Concen: 91.618 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

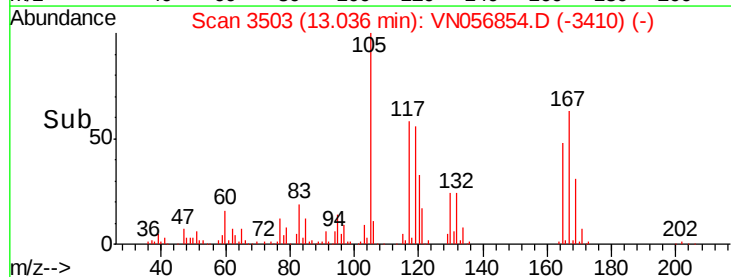
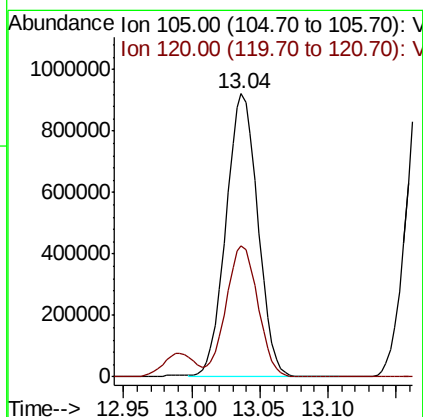
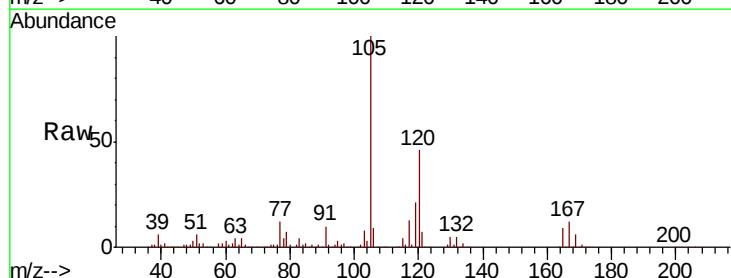
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

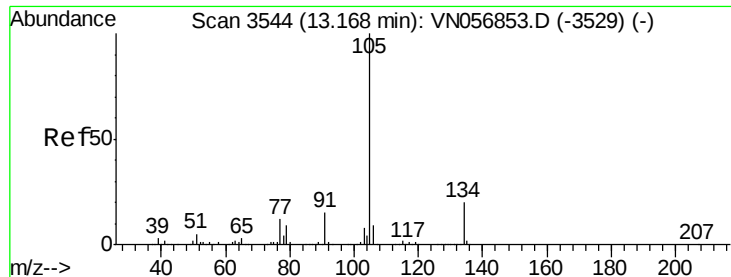
Tot Ion:119 Resp: 1303108
Ion Ratio Lower Upper
119 100
91 62.7 31.5 94.5
134 26.2 12.2 36.6



#84
1,2,4-Trimethylbenzene
Concen: 93.989 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion:105 Resp: 1493999
Ion Ratio Lower Upper
105 100
120 46.6 23.2 69.5





#85

sec-Butylbenzene

Concen: 94.982 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

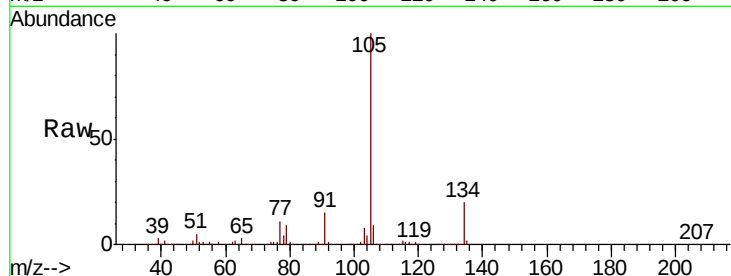
VSTDIC100

Tot Ion:105 Resp: 1723390

Ion Ratio Lower Upper

105 100

134 20.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

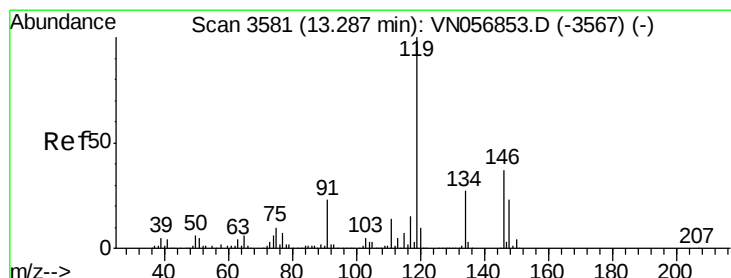
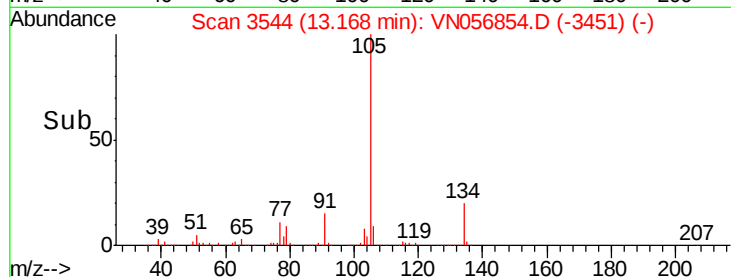
400000

200000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 96.476 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

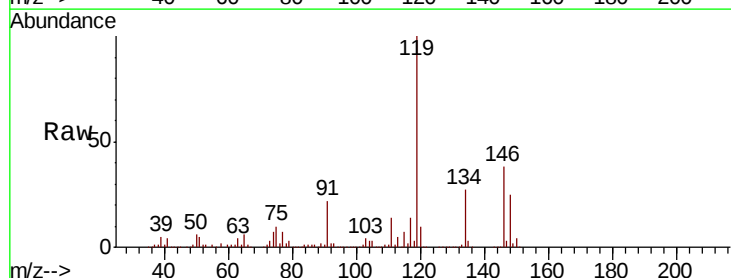
Tgt Ion:119 Resp: 1582590

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 22.1 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

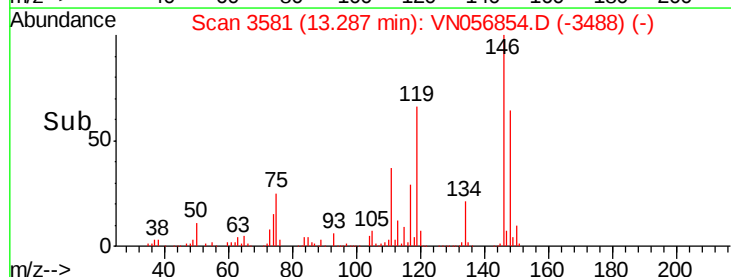
1000000

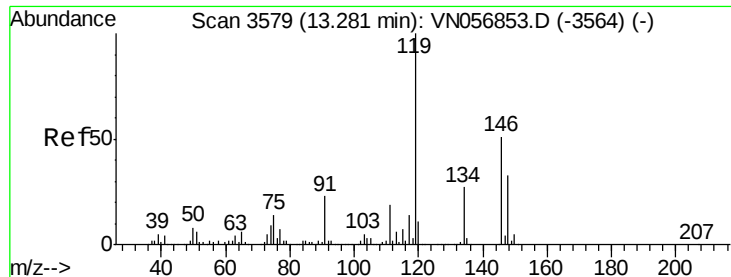
500000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 97.997 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

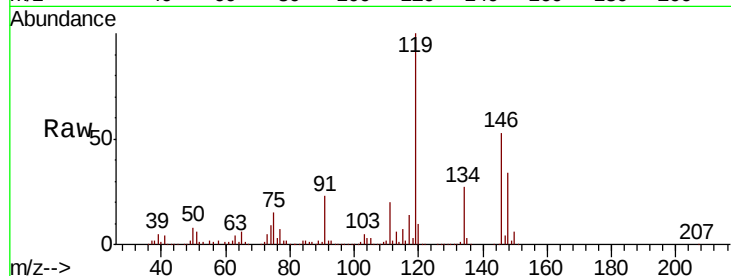
Tot Ion:146 Resp: 803240

Ion Ratio Lower Upper

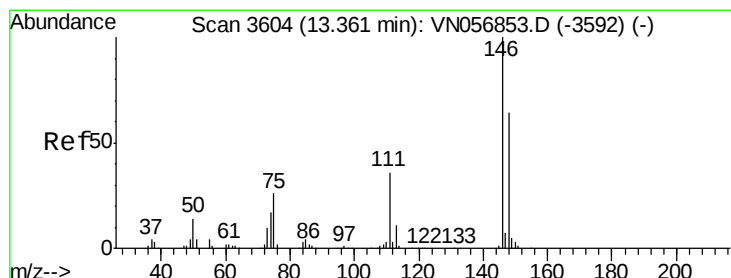
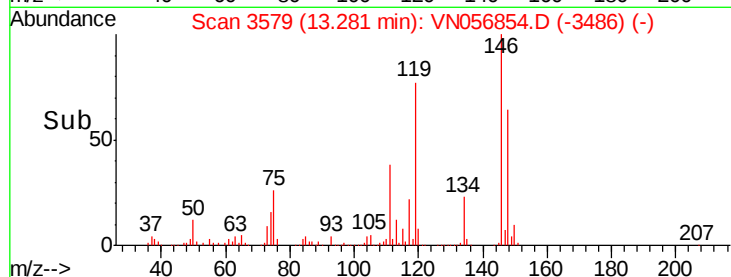
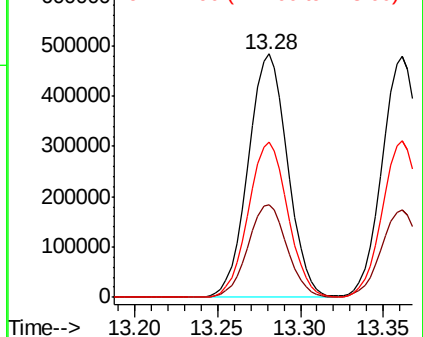
146 100

111 37.8 18.9 56.5

148 63.8 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 98.535 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

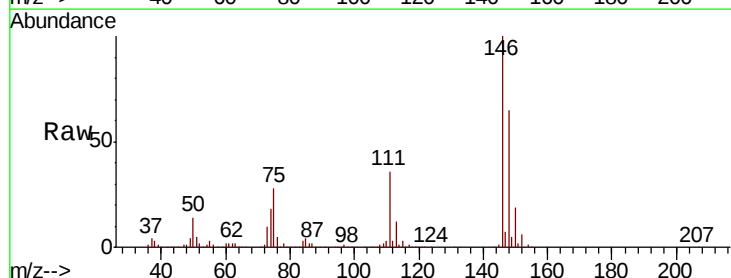
Tgt Ion:146 Resp: 785397

Ion Ratio Lower Upper

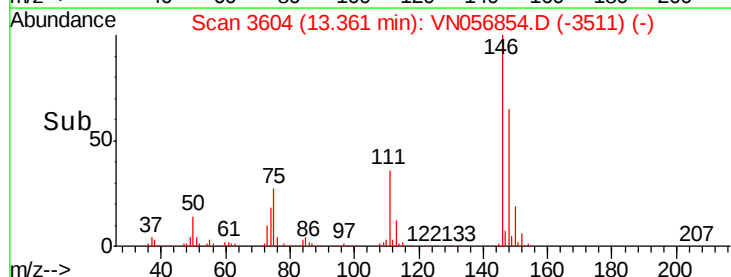
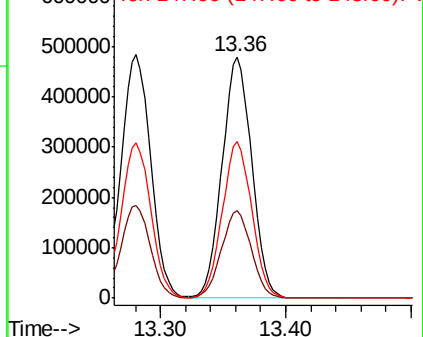
146 100

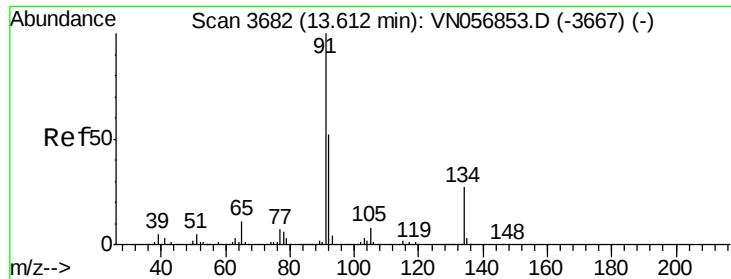
111 36.5 18.3 54.9

148 64.5 32.1 96.3



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

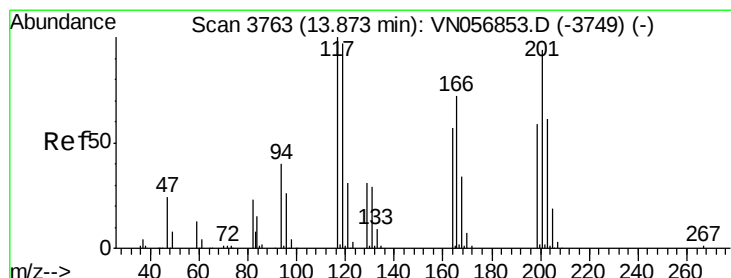
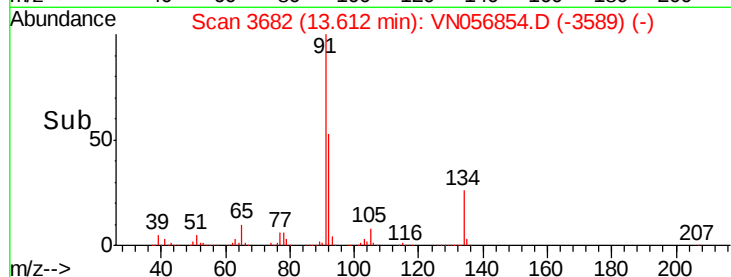
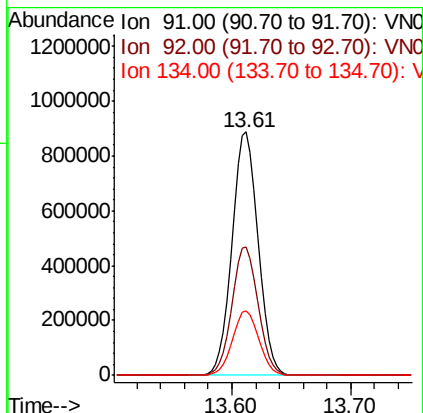
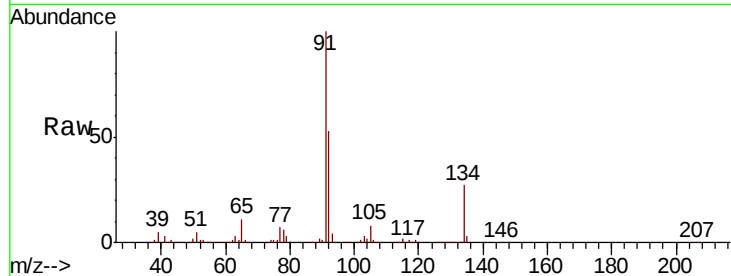




#89
n-Butylbenzene
Concen: 102.762 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

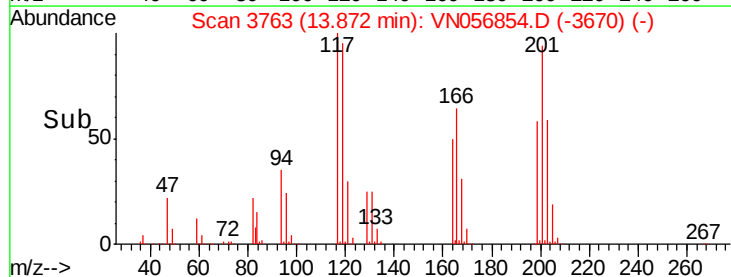
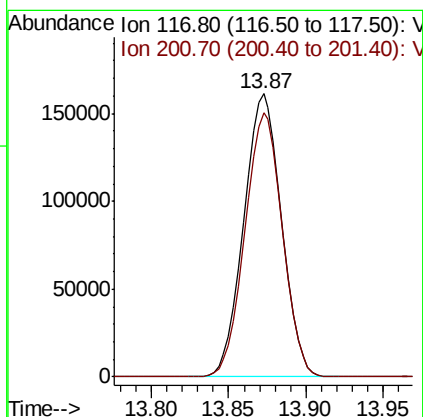
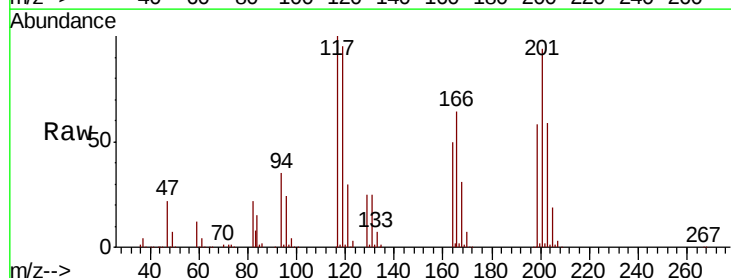
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

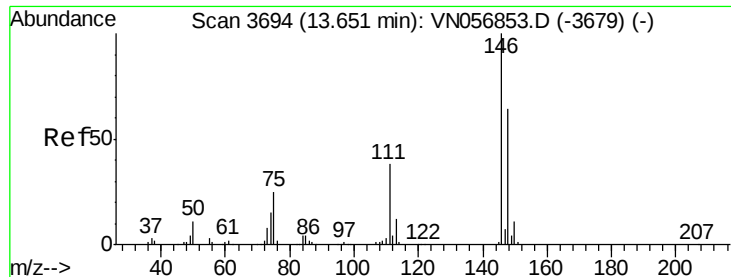
Tot Ion: 91 Resp: 1349939
Ion Ratio Lower Upper
91 100
92 52.8 26.0 78.0
134 26.8 13.3 39.9



#90
Hexachloroethane
Concen: 102.288 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056854.D
Acq: 22 Jul 2019 13:34

Tgt Ion: 117 Resp: 273536
Ion Ratio Lower Upper
117 100
201 92.7 47.1 141.3





#91

1,2-Dichlorobenzene

Concen: 93.515 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

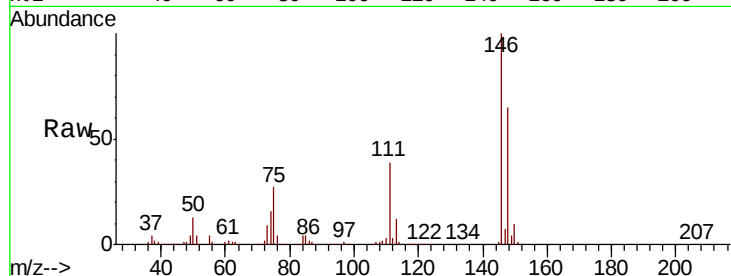
Tot Ion:146 Resp: 782629

Ion Ratio Lower Upper

146 100

111 39.2 19.1 57.5

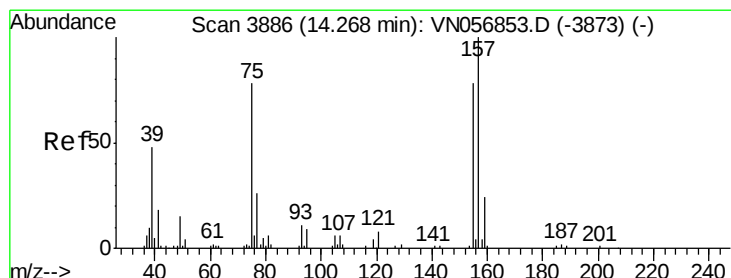
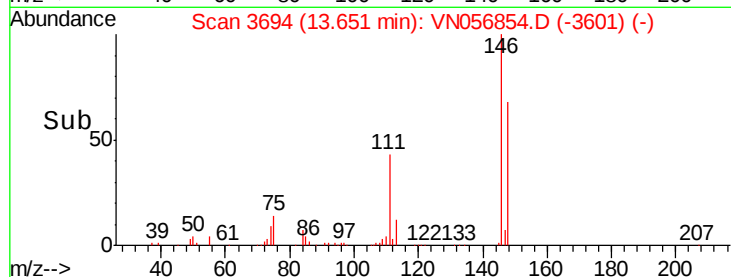
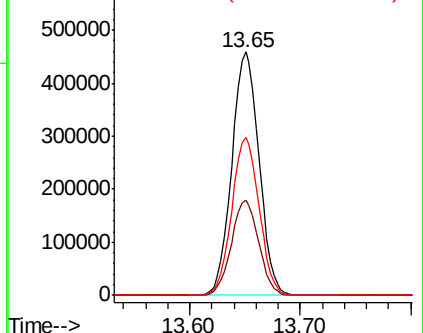
148 65.1 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 90.903 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

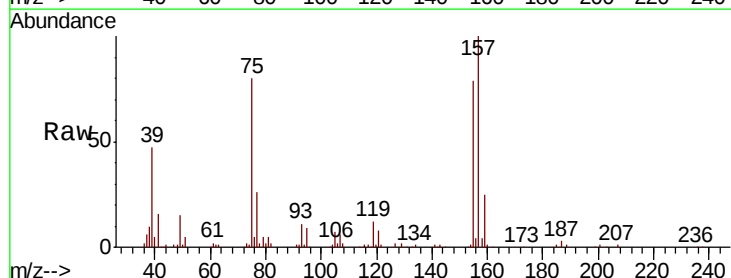
Tgt Ion: 75 Resp: 90546

Ion Ratio Lower Upper

75 100

155 98.2 49.9 149.6

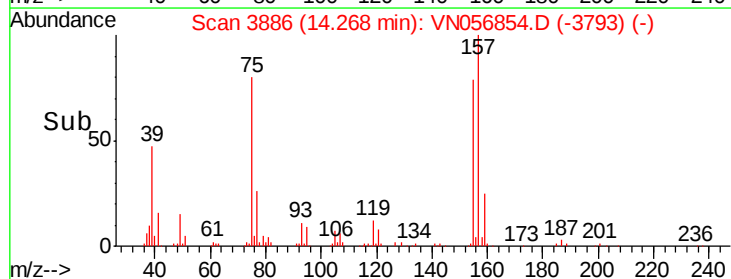
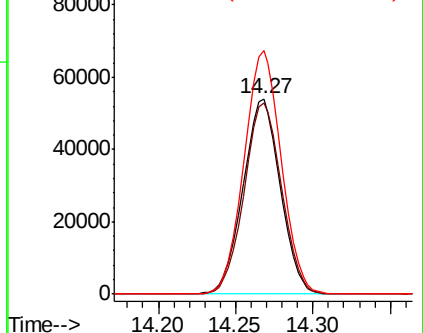
157 124.7 64.8 194.4

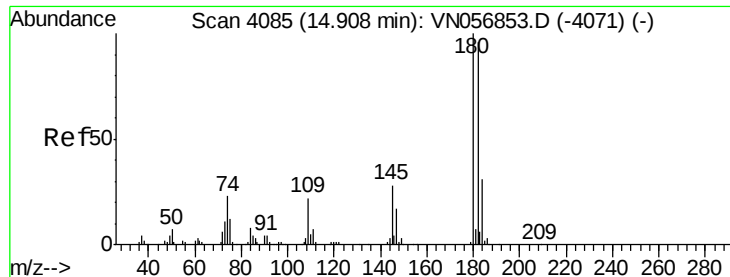


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

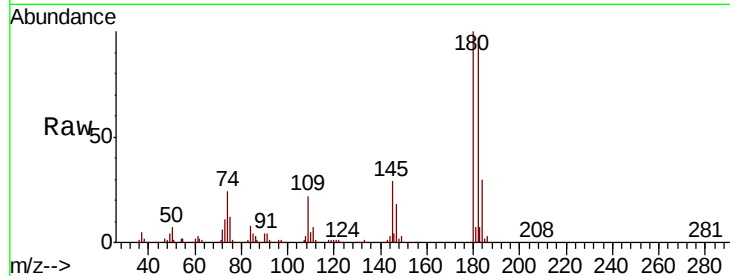




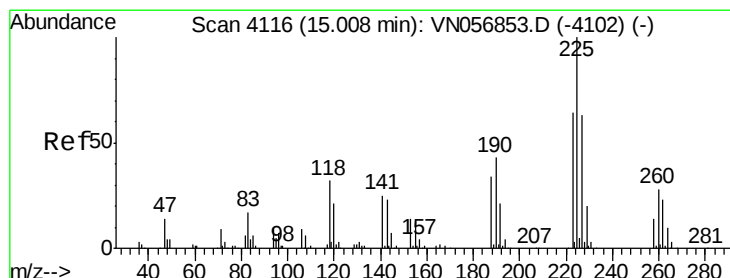
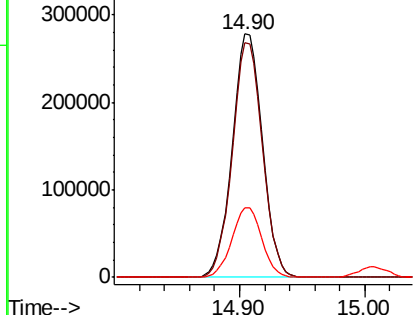
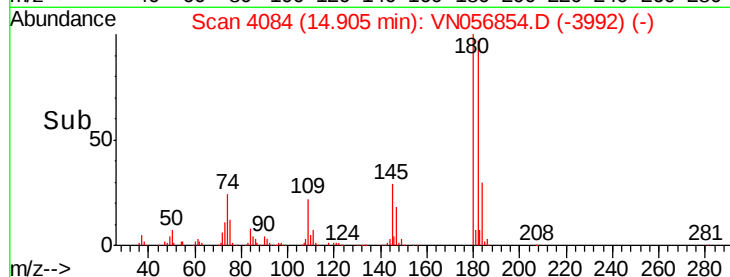
#93
 1,2,4-Trichlorobenzene
 Concen: 122.751 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	28.6	14.1	42.3

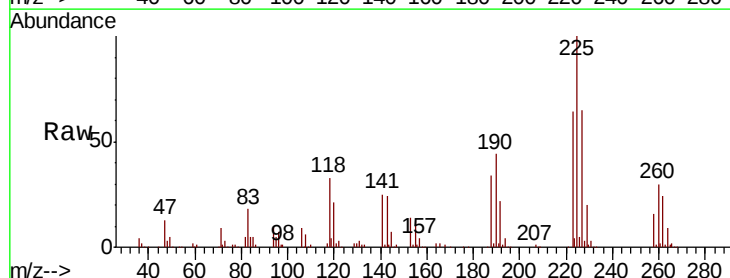


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

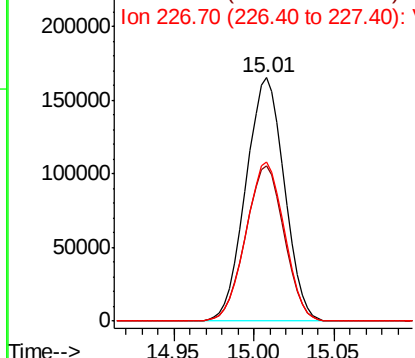
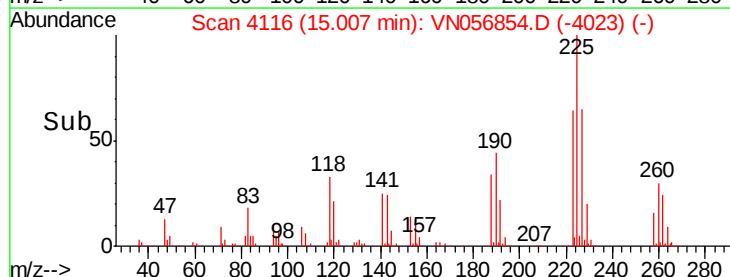


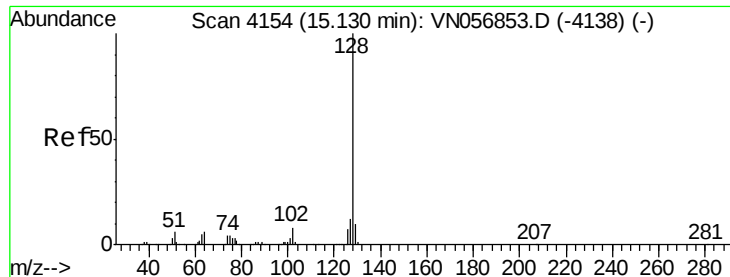
#94
 Hexachlorobutadiene
 Concen: 90.160 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056854.D
 Acq: 22 Jul 2019 13:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.5
227	65.3	31.7	95.1



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: 121.505 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

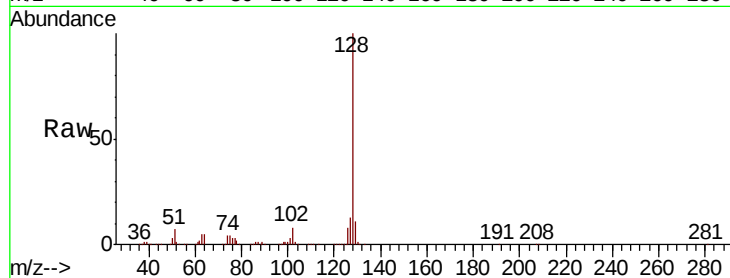
Tot Ion:128 Resp: 1224006

Ion Ratio Lower Upper

128 100

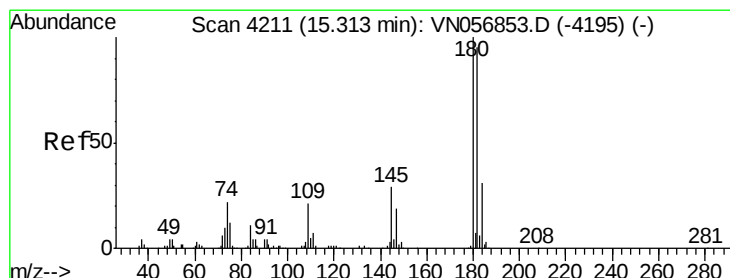
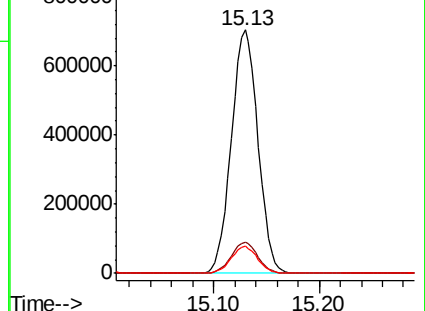
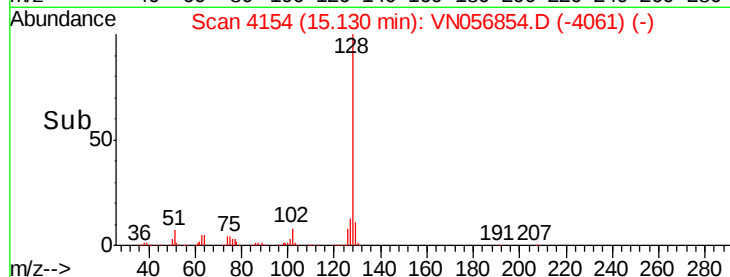
127 12.8 10.2 15.2

129 11.0 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

15.13



#96

1,2,3-Trichlorobenzene

Concen: 119.856 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056854.D

Acq: 22 Jul 2019 13:34

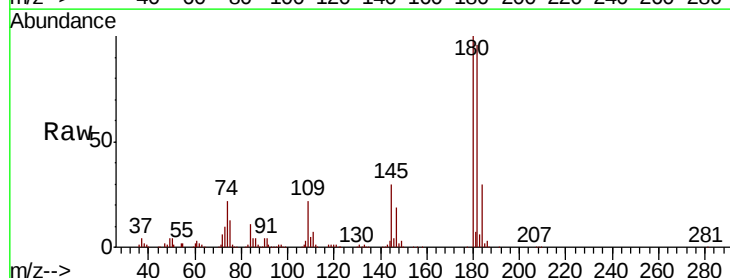
Tgt Ion:180 Resp: 472257

Ion Ratio Lower Upper

180 100

182 96.0 48.1 144.3

145 30.3 14.7 44.1



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

15.31

