

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057441.D
 Acq On : 22 Aug 2019 18:43
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 23 04:26:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 04:20:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	418566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	754821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	701505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	279957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	711729	138.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.64%	
35) Dibromofluoromethane	7.57	113	484052	97.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.00%	
50) Toluene-d8	10.08	98	1931067	104.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.64%	
62) 4-Bromofluorobenzene	12.40	95	679363	104.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	494929	128.413	ug/l	96
3) Chloromethane	2.04	50	645984	137.926	ug/l	99
4) Vinyl Chloride	2.17	62	820649	173.078	ug/l	98
5) Bromomethane	2.53	94	494700	151.574	ug/l	98
6) Chloroethane	2.68	64	509060	160.793	ug/l	97
7) Trichlorofluoromethane	3.00	101	1239170	169.104	ug/l	98
8) Diethyl Ether	3.39	74	442633	161.726	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	673629	160.861	ug/l	100
10) Methyl Iodide	3.92	142	538908	93.030	ug/l	99
11) Tert butyl alcohol	4.79	59	447974	648.457	ug/l	97
12) 1,1-Dichloroethene	3.71	96	660444	158.367	ug/l	99
13) Acrolein	3.58	56	377890	793.919	ug/l	99
14) Allyl chloride	4.29	41	923002	142.542	ug/l	98
15) Acrylonitrile	4.96	53	1219133	654.733	ug/l	100
16) Acetone	3.80	43	1843657	1091.093	ug/l	96
17) Carbon Disulfide	4.01	76	1219588	117.696	ug/l	99
18) Methyl Acetate	4.30	43	721733	105.401	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	1593491	129.730	ug/l	100
20) Methylene Chloride	4.52	84	487022	107.173	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	460335	112.891	ug/l	98
22) Diisopropyl ether	5.93	45	1909544	147.526	ug/l	99
23) Vinyl Acetate	5.87	43	7588095	736.306	ug/l	100
24) 1,1-Dichloroethane	5.82	63	997863	130.248	ug/l	99
25) 2-Butanone	6.82	43	1754103	706.897	ug/l	98
26) 2,2-Dichloropropane	6.80	77	826699	132.416	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	553913	114.373	ug/l	99
28) Bromochloromethane	7.18	49	569396	156.123	ug/l	96
29) Tetrahydrofuran	7.20	42	1162665	731.143	ug/l	99
30) Chloroform	7.36	83	971031	122.450	ug/l	99
31) Cyclohexane	7.63	56	941781	134.789	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	861243	129.104	ug/l	99
36) 1,1-Dichloropropene	7.77	75	726253	106.893	ug/l	100
37) Ethyl Acetate	6.92	43	745405	130.404	ug/l	99
38) Carbon Tetrachloride	7.76	117	724342	103.603	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	899101	112.779	ug/l	98
40) Benzene	8.03	78	2191613	106.073	ug/l	97
41) Methacrylonitrile	7.16	41	369854	141.788	ug/l #	88
42) 1,2-Dichloroethane	8.11	62	830133	118.324	ug/l	100
43) Isopropyl Acetate	8.16	43	1326900	107.951	ug/l	99
44) Trichloroethene	8.82	130	493104	87.468	ug/l	99
45) 1,2-Dichloropropane	9.11	63	610482	113.118	ug/l	99
46) Dibromomethane	9.20	93	388304	108.965	ug/l	99
47) Bromodichloromethane	9.39	83	816245	114.693	ug/l	99
48) Methyl methacrylate	9.19	41	646703	135.027	ug/l	99
49) 1,4-Dioxane	9.20	88	168179	1834.687	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	3836905	646.803	ug/l	100
52) Toluene	10.15	92	1350274	106.177	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	902457	117.755	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	968851	114.940	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	511077	102.277	ug/l	99
56) Ethyl methacrylate	10.43	69	877392	118.496	ug/l	99
57) 1,3-Dichloropropane	10.71	76	919726	108.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1240090	652.706	ug/l	99
59) 2-Hexanone	10.75	43	2677163	635.275	ug/l	100
60) Dibromochloromethane	10.90	129	570860	102.918	ug/l	99
61) 1,2-Dibromoethane	11.00	107	527241	99.683	ug/l	99
64) Tetrachloroethene	10.63	164	442643	75.320	ug/l	96
65) Chlorobenzene	11.43	112	1324112	93.282	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	504435	92.945	ug/l	99
67) Ethyl Benzene	11.51	91	2590390	102.162	ug/l	100
68) m/p-Xylenes	11.62	106	1869078	202.588	ug/l	98
69) o-Xylene	11.95	106	900404	99.274	ug/l	100
70) Styrene	11.96	104	1519576	105.070	ug/l	99
71) Bromoform	12.13	173	359376	85.875	ug/l #	100
73) Isopropylbenzene	12.25	105	2444263	89.028	ug/l	99
74) N-amyl acetate	12.07	43	1143906	129.158	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	695946	86.687	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	936708	136.057	ug/l #	100
77) Bromobenzene	12.53	156	504055	72.772	ug/l	99
78) n-propylbenzene	12.59	91	2834592	102.507	ug/l	100
79) 2-Chlorotoluene	12.68	91	1644775	93.154	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2017033	91.333	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	244278	103.898	ug/l	100
82) 4-Chlorotoluene	12.78	91	1660430	101.765	ug/l	100
83) tert-Butylbenzene	13.00	119	1662219	81.818	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1956697	95.424	ug/l	99
85) sec-Butylbenzene	13.17	105	2284271	92.978	ug/l	100
86) p-Isopropyltoluene	13.29	119	1958751	93.928	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	850770	88.135	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	842158	91.213	ug/l	98
89) n-Butylbenzene	13.62	91	1744979	113.761	ug/l	100
90) Hexachloroethane	13.88	117	405989	93.236	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	830917	92.062	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	133556	126.298	ug/l	96

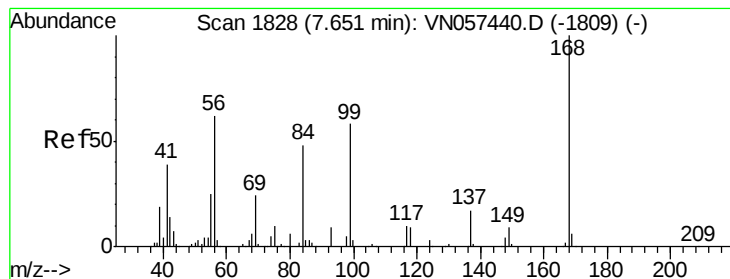
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	363469	120.687	ug/l	99
94) Hexachlorobutadiene	15.01	225	215969	54.214	ug/l	98
95) Naphthalene	15.13	128	1163394	165.836	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	363461	125.548	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

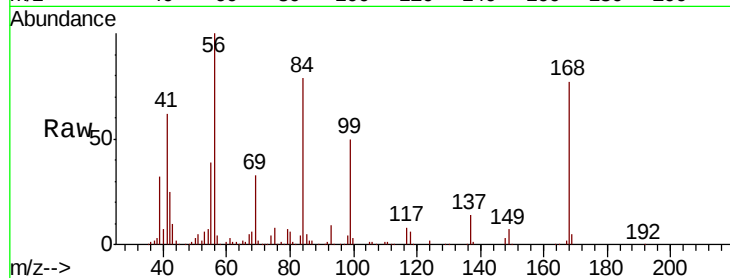
VSTDIC100

Tgt Ion:168 Resp: 418566

Ion Ratio Lower Upper

168 100

99 64.9 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057441.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN057441.D (-1735) (-)

200000

150000

100000

50000

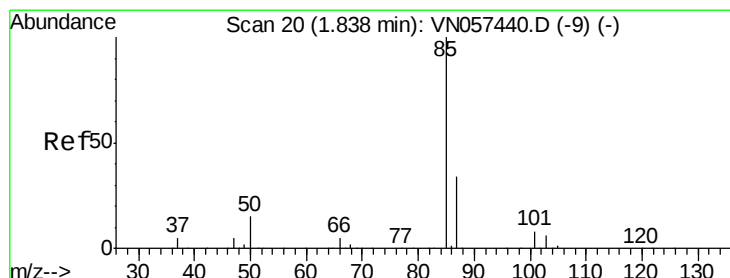
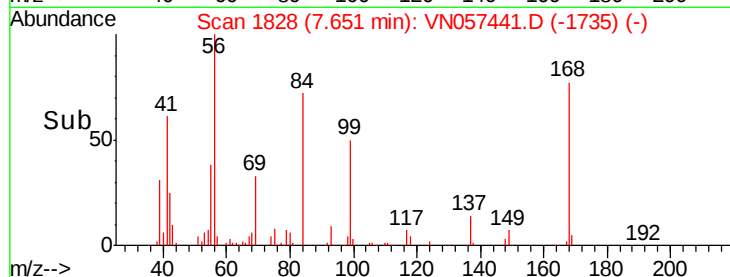
0

7.60

7.65

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 128.413 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057441.D

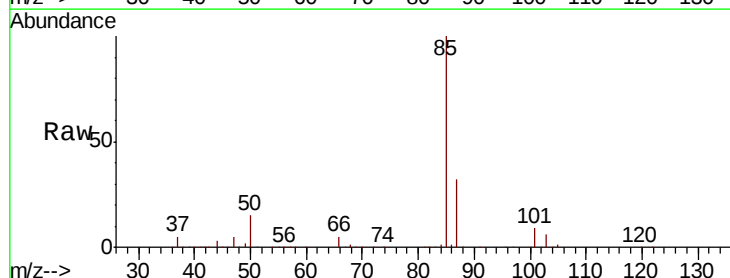
Acq: 22 Aug 2019 18:43

Tgt Ion: 85 Resp: 494929

Ion Ratio Lower Upper

85 100

87 32.0 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN057441.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN057441.D (-1) (-)

400000

300000

200000

100000

0

1.75

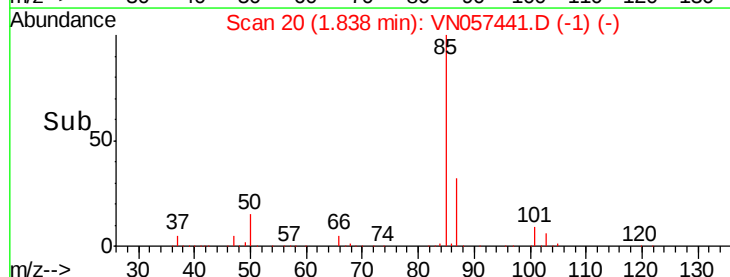
1.80

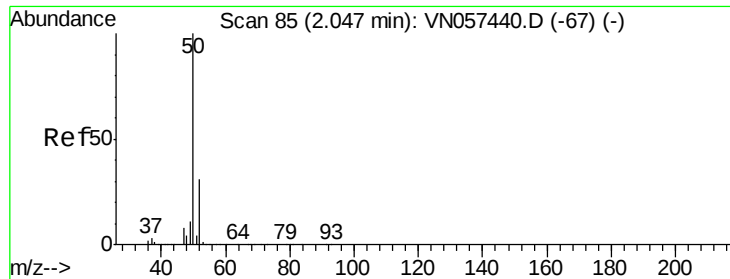
1.84

1.90

1.95

Time-->





#3

Chloromethane

Concen: 137.926 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

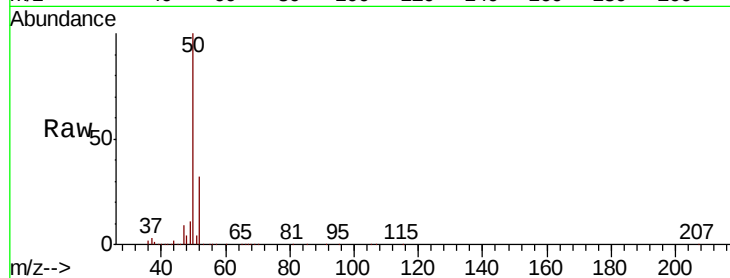
VSTDIC100

Tgt Ion: 50 Resp: 645984

Ion Ratio Lower Upper

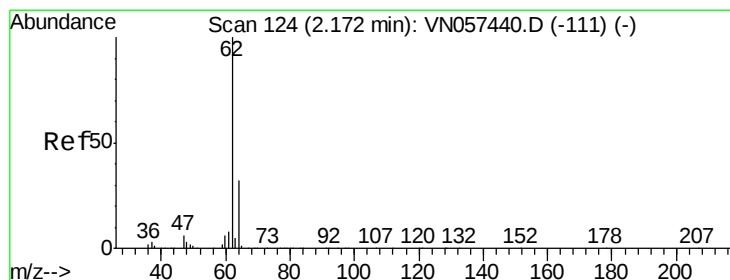
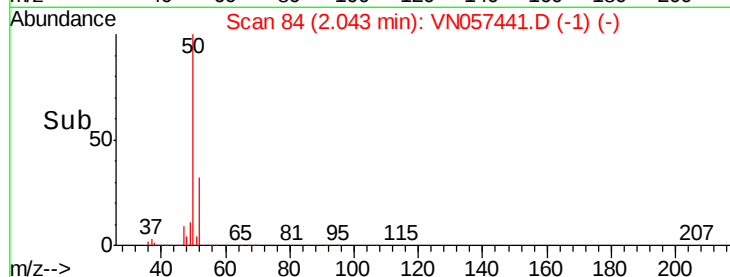
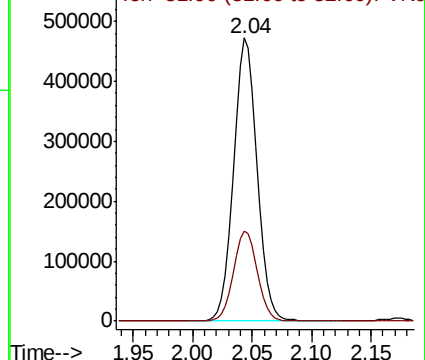
50 100

52 31.9 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 173.078 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057441.D

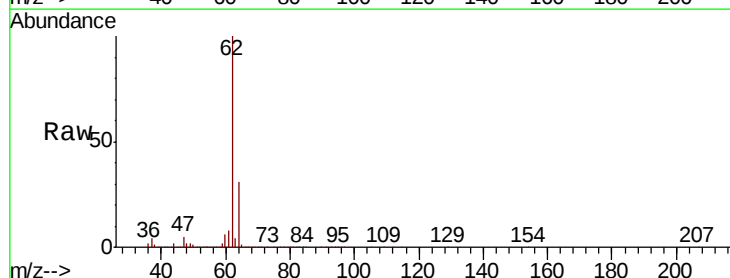
Acq: 22 Aug 2019 18:43

Tgt Ion: 62 Resp: 820649

Ion Ratio Lower Upper

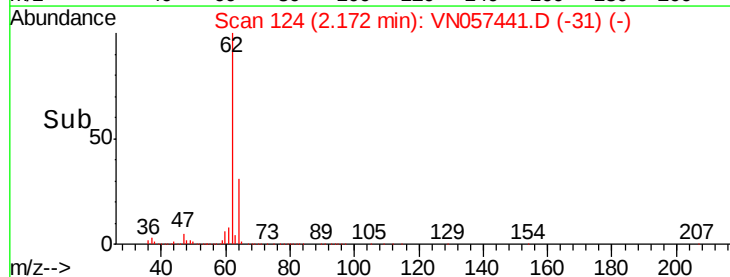
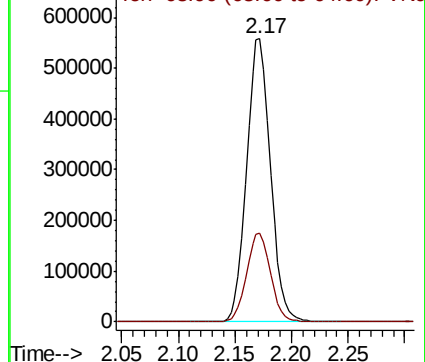
62 100

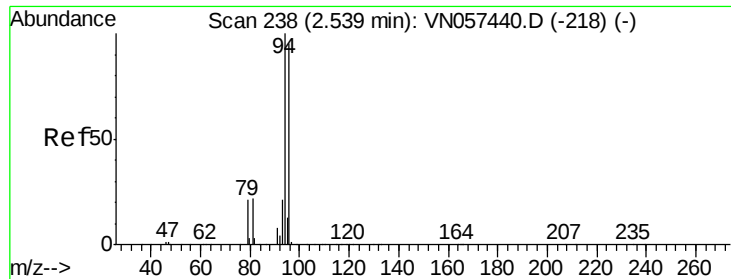
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 151.574 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampled :

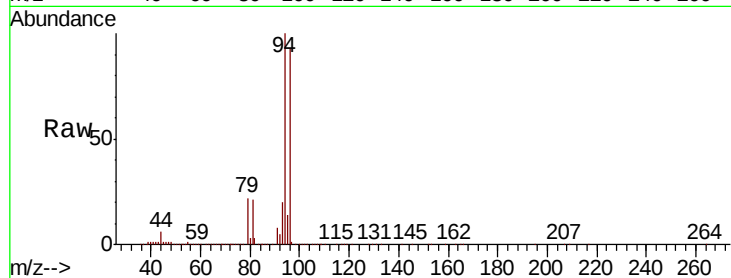
VSTDIC100

Tgt Ion: 94 Resp: 494700

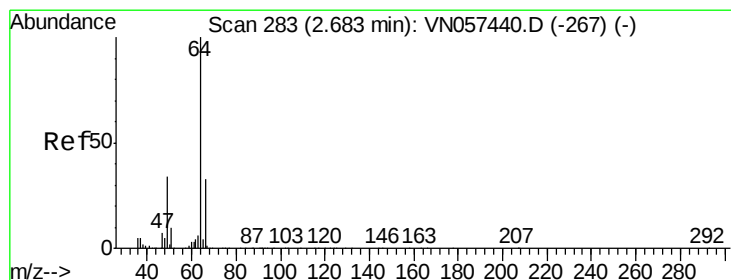
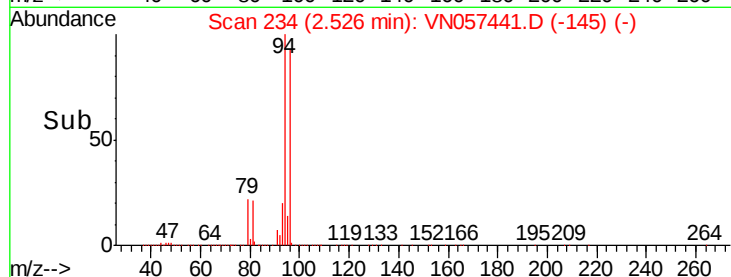
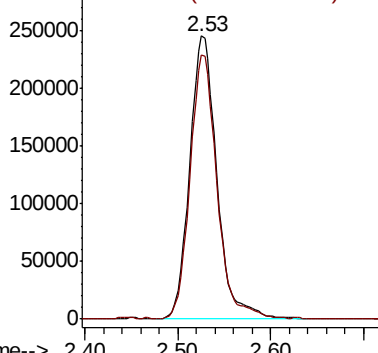
Ion Ratio Lower Upper

94 100

96 93.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 160.793 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN057441.D

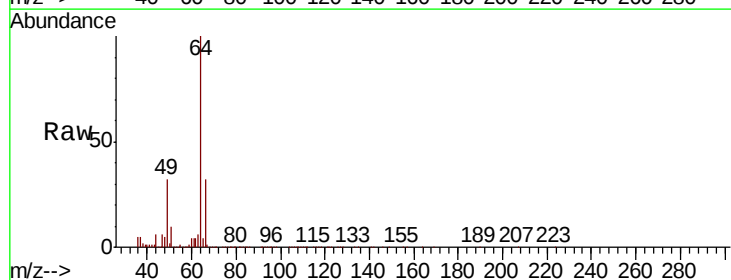
Acq: 22 Aug 2019 18:43

Tgt Ion: 64 Resp: 509060

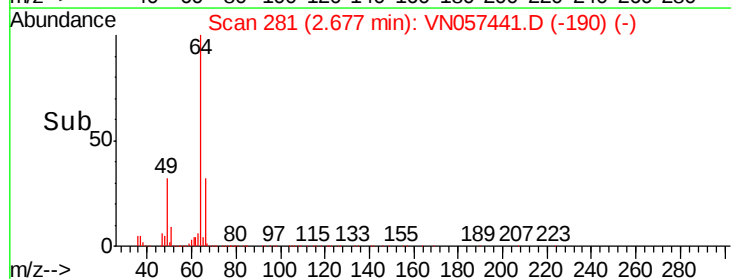
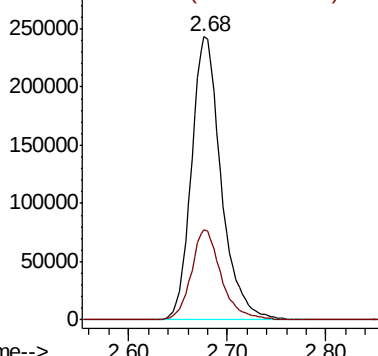
Ion Ratio Lower Upper

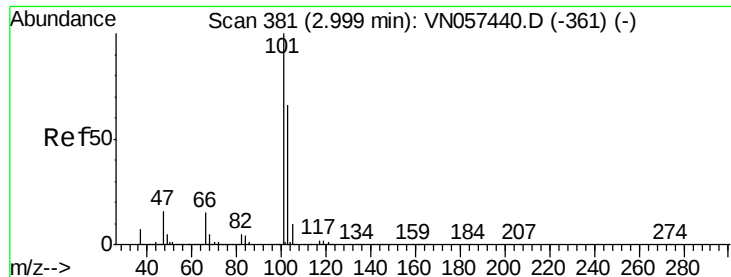
64 100

66 31.8 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



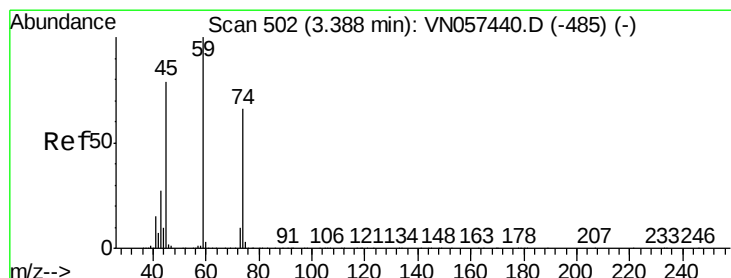
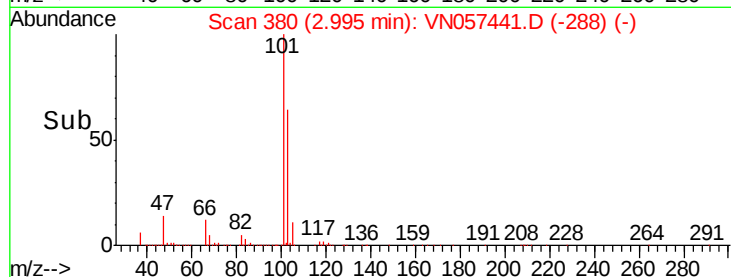
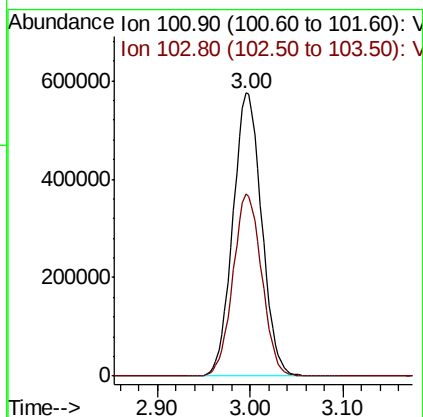
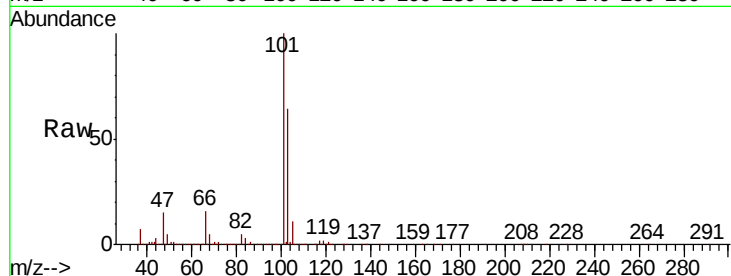


#7

Trichlorofluoromethane
 Concen: 169.104 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

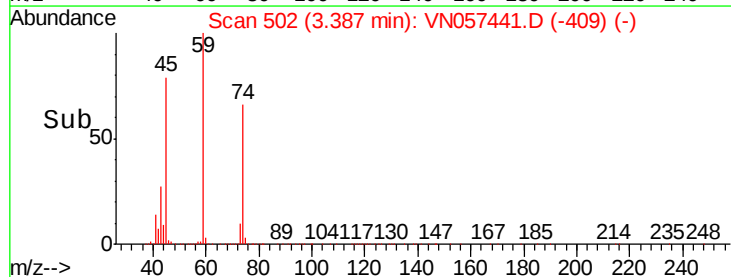
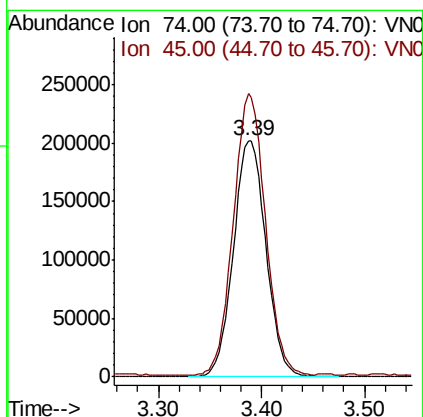
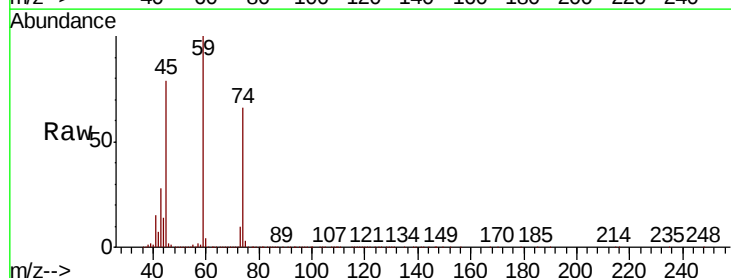
Tgt Ion:101 Resp: 1239170
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.6 78.8

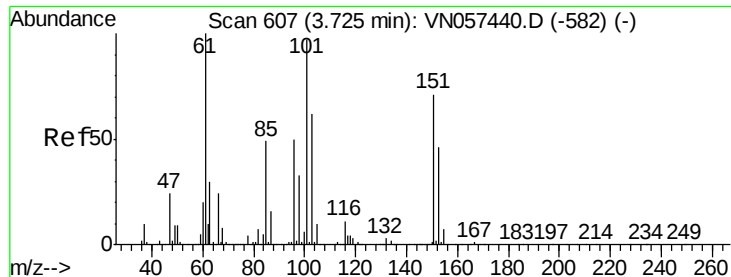


#8

Diethyl Ether
 Concen: 161.726 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion: 74 Resp: 442633
 Ion Ratio Lower Upper
 74 100
 45 117.9 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 160.861 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

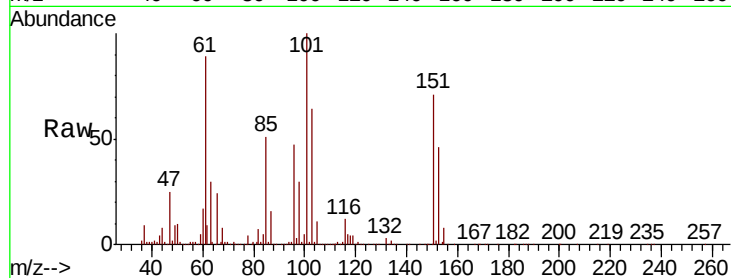
Tgt Ion:101 Resp: 673629

Ion Ratio Lower Upper

101 100

85 49.7 40.0 60.0

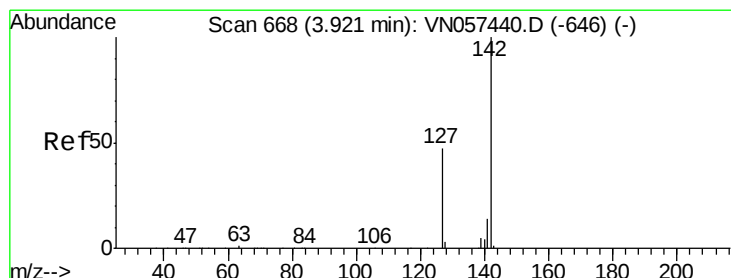
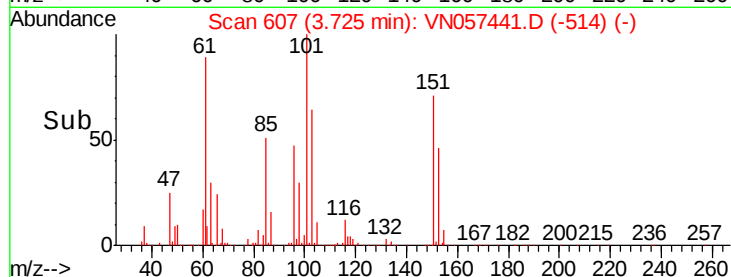
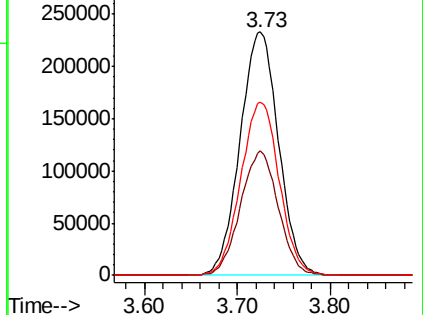
151 71.2 57.0 85.6



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: 93.030 ug/l

RT: 3.92 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

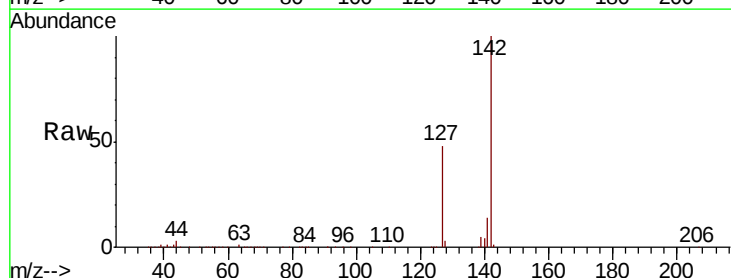
Tgt Ion:142 Resp: 538908

Ion Ratio Lower Upper

142 100

127 48.1 37.8 56.8

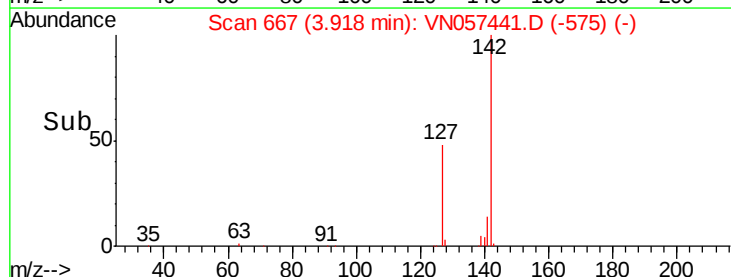
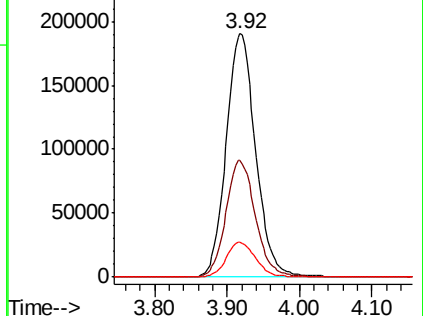
141 14.3 11.9 17.9

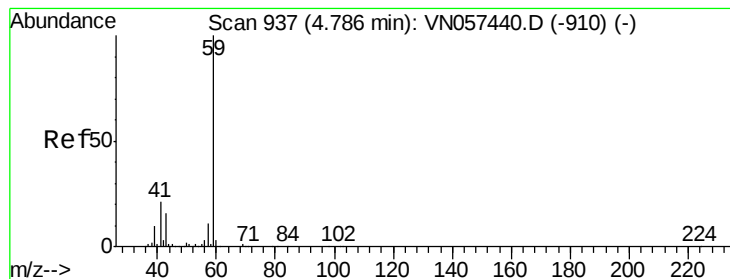


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



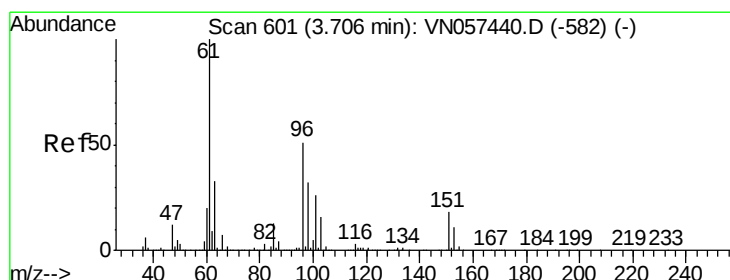
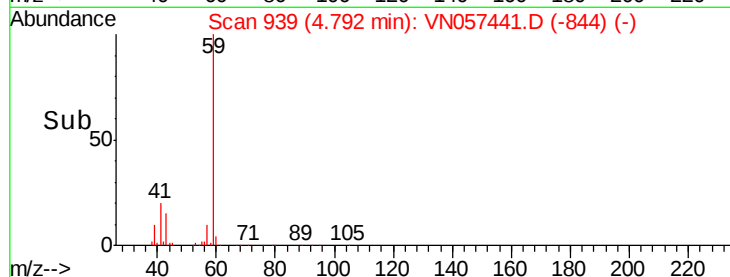
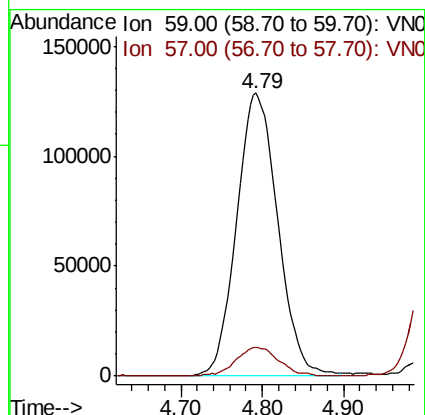
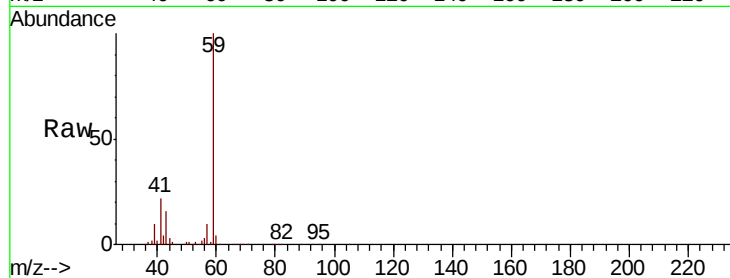


#11

Tert butyl alcohol
Concen: 648.457 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

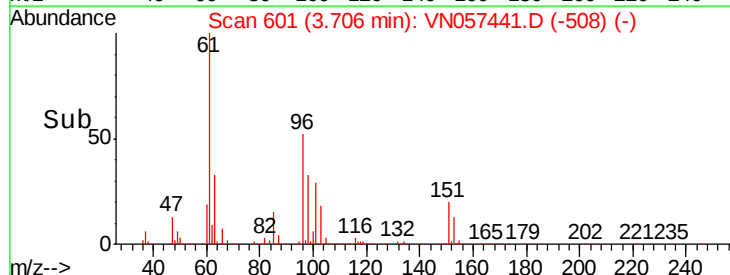
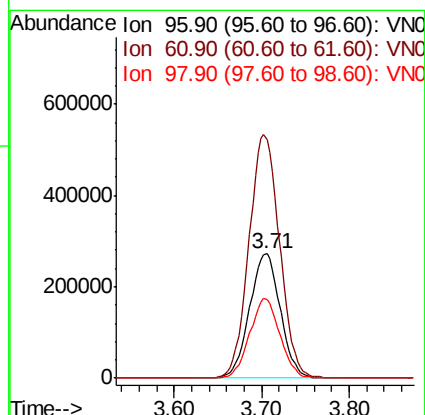
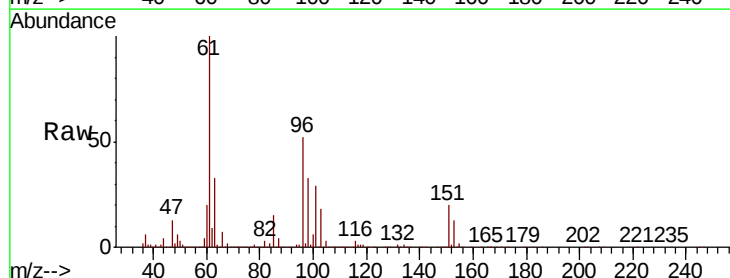
Tgt Ion: 59 Resp: 447974
Ion Ratio Lower Upper
59 100
57 10.2 9.1 13.7

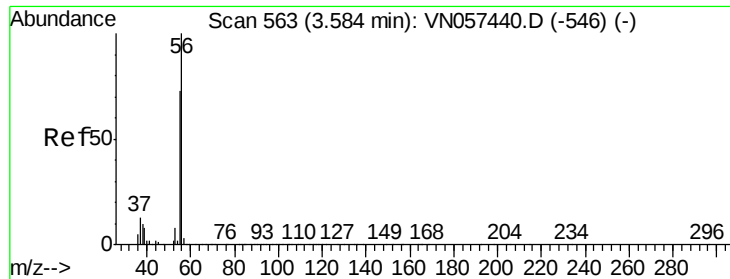


#12

1,1-Dichloroethene
Concen: 158.367 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 96 Resp: 660444
Ion Ratio Lower Upper
96 100
61 192.0 155.3 232.9
98 63.4 50.2 75.2





#13

Acrolein

Concen: 793.919 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

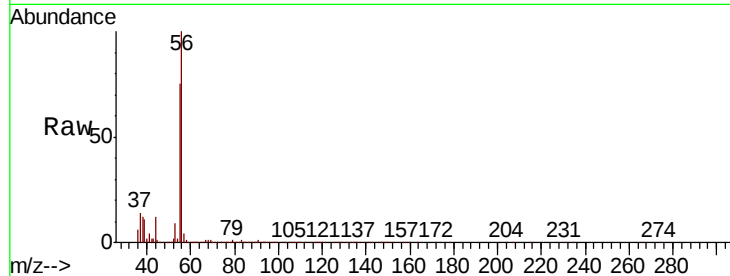
VSTDIC100

Tgt Ion: 56 Resp: 377890

Ion Ratio Lower Upper

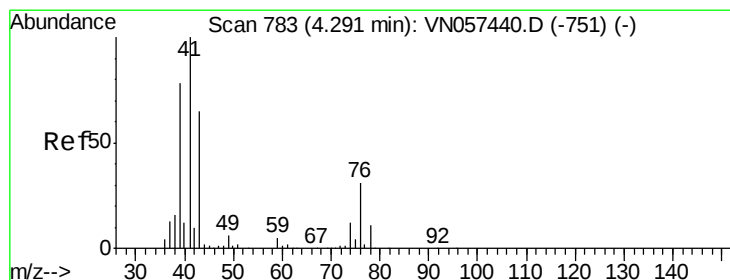
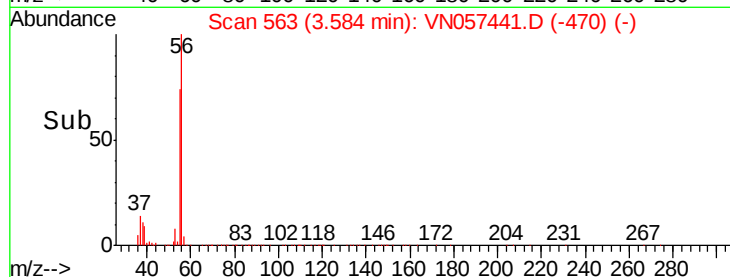
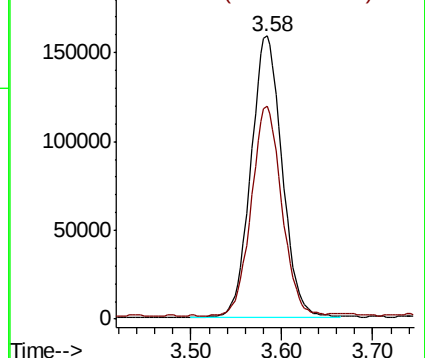
56 100

55 72.6 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 142.542 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

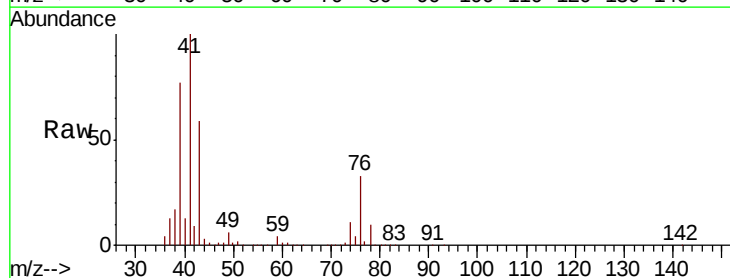
Tgt Ion: 41 Resp: 923002

Ion Ratio Lower Upper

41 100

39 72.7 57.4 86.2

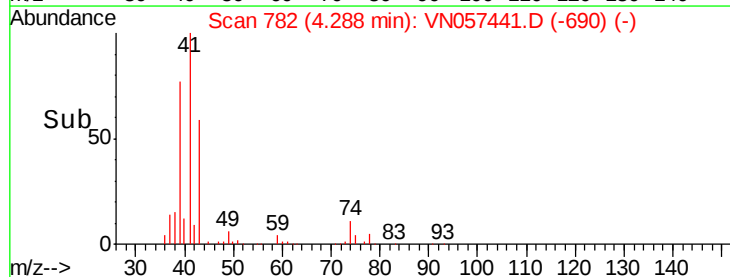
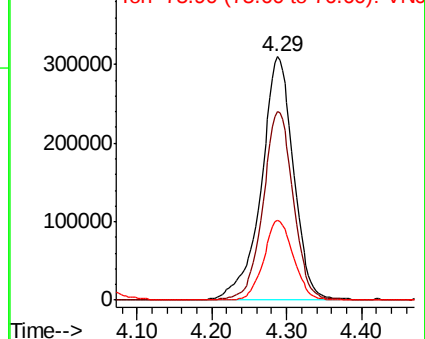
76 30.2 22.9 34.3

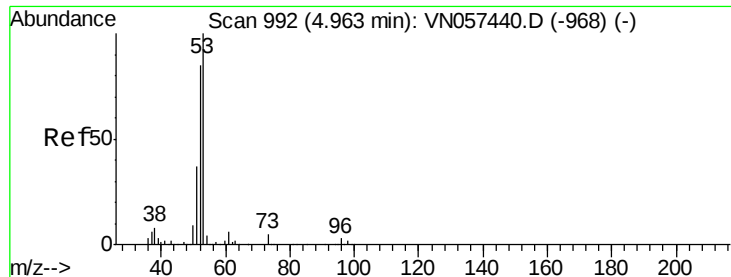


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 654.733 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

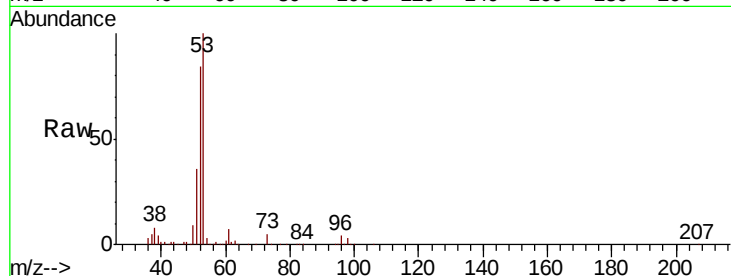
Tgt Ion: 53 Resp: 1219133

Ion Ratio Lower Upper

53 100

52 83.5 67.0 100.6

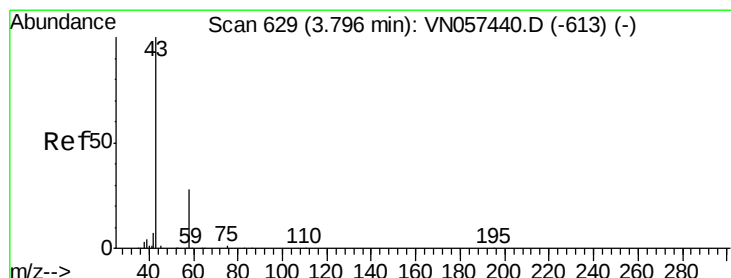
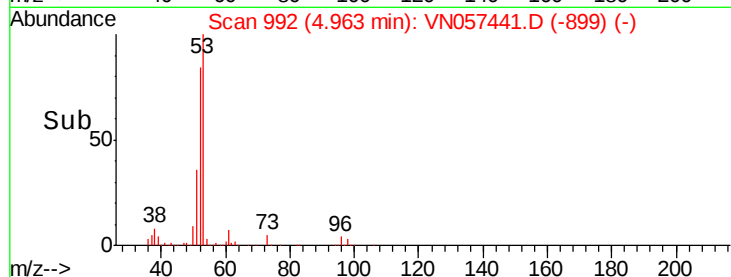
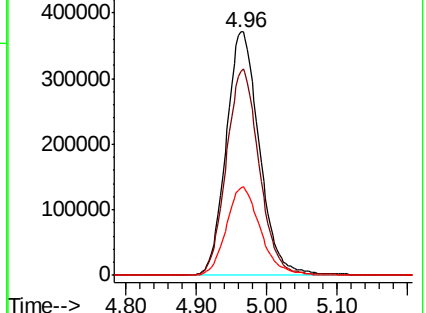
51 37.4 29.9 44.9



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: 1091.093 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057441.D

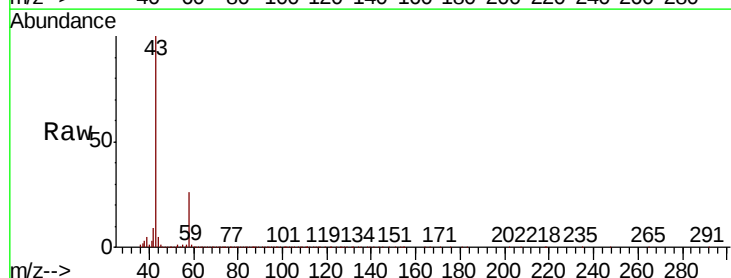
Acq: 22 Aug 2019 18:43

Tgt Ion: 43 Resp: 1843657

Ion Ratio Lower Upper

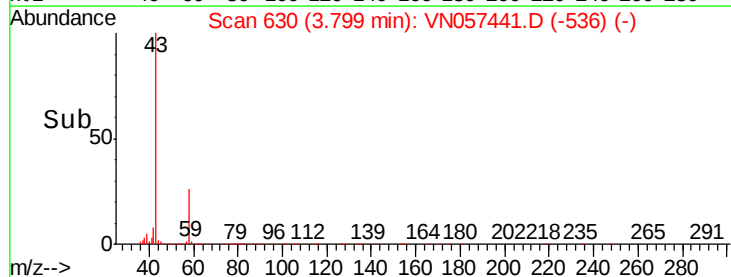
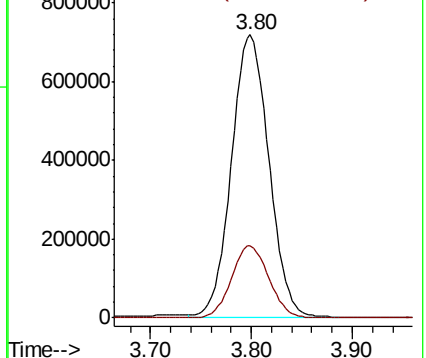
43 100

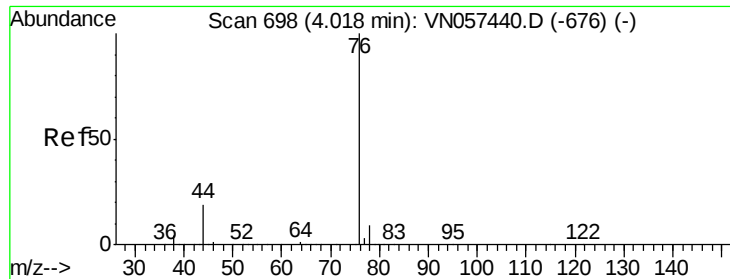
58 25.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

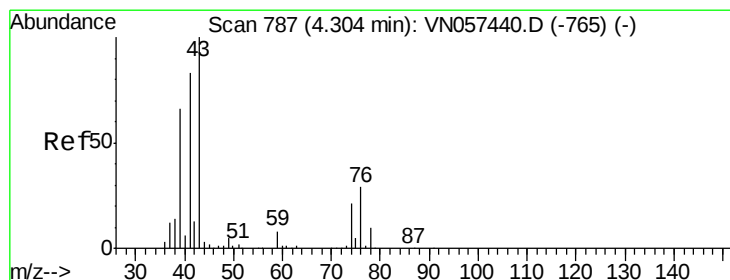
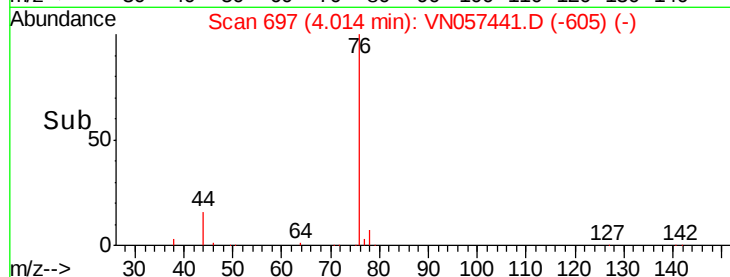
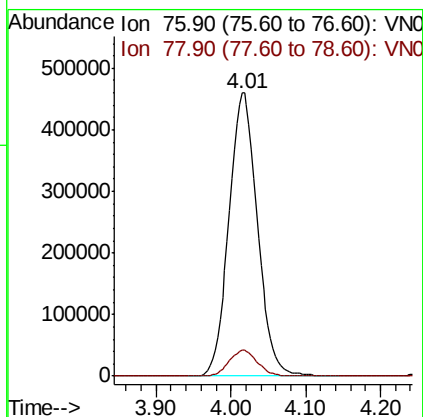
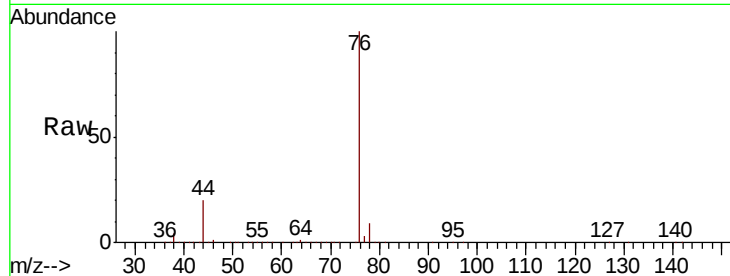




#17
Carbon Disulfide
Concen: 117.696 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

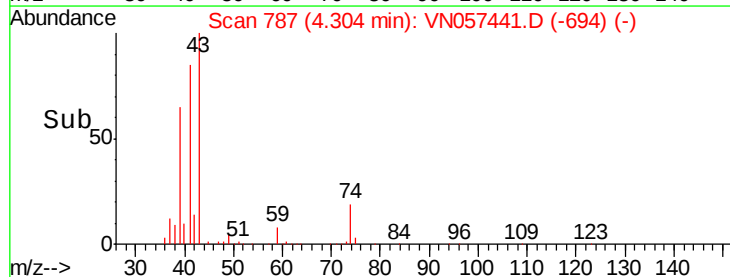
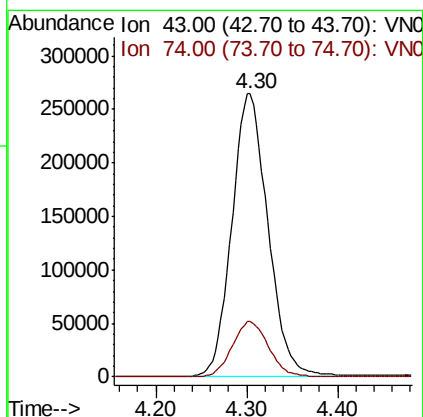
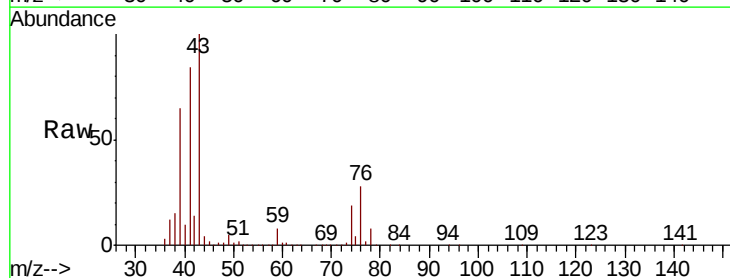
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

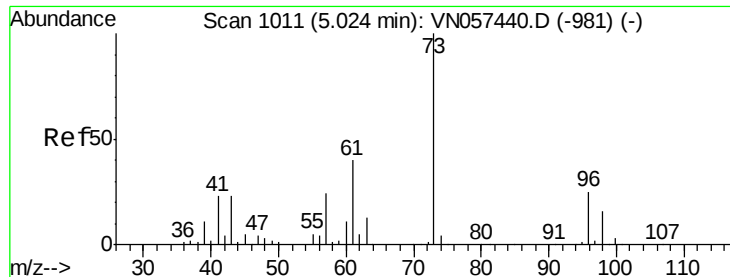
Tgt Ion: 76 Resp: 1219588
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 105.401 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 43 Resp: 721733
Ion Ratio Lower Upper
43 100
74 20.0 15.9 23.9

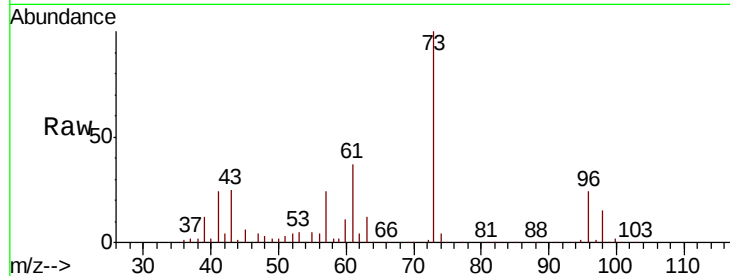




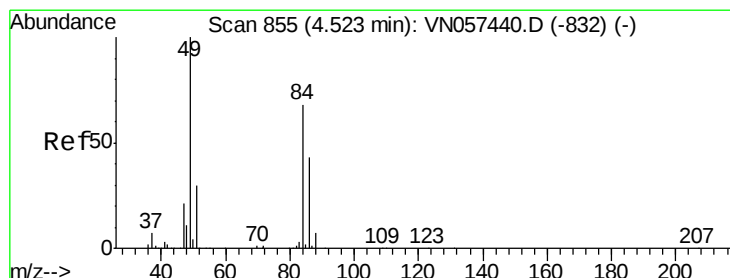
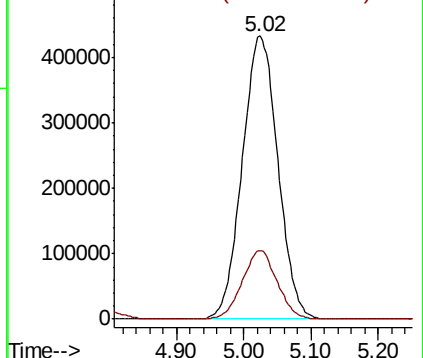
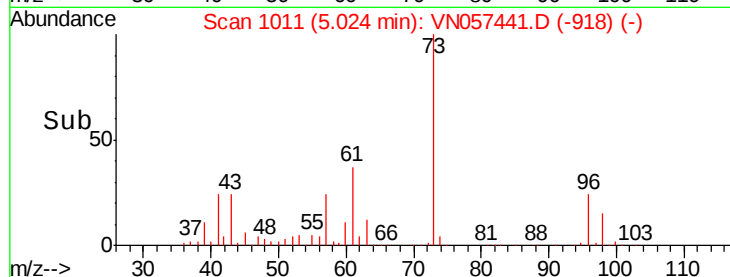
#19
Methyl tert-butyl Ether
Concen: 129.730 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 1593491
Ion Ratio Lower Upper
73 100
57 24.1 19.1 28.7

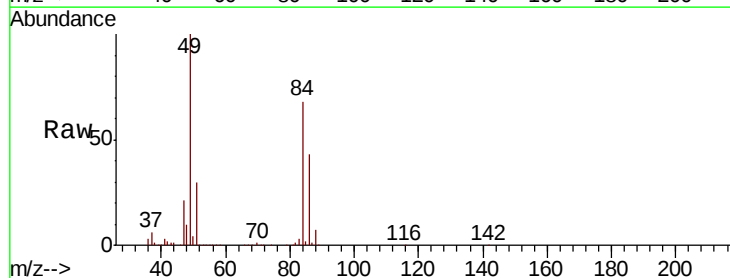


Abundance Ion 73.00 (72.70 to 73.70): VN057441.D (-918) (-)
Ion 57.00 (56.70 to 57.70): VN057441.D (-918) (-)

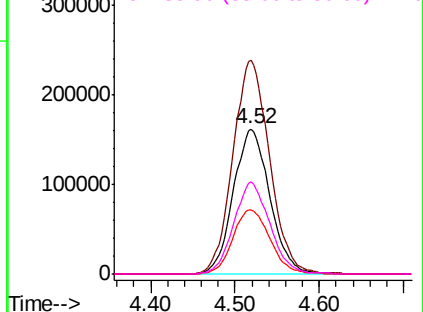
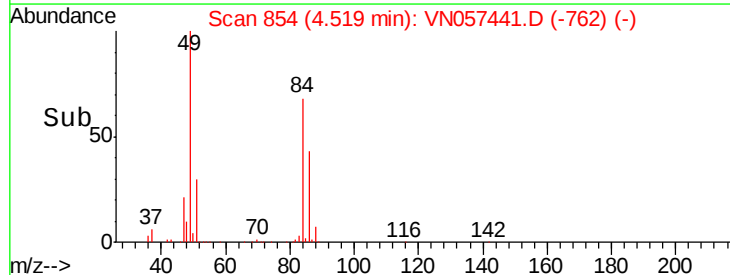


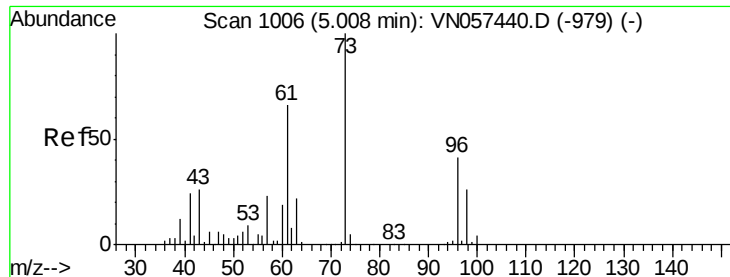
#20
Methylene Chloride
Concen: 107.173 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 84 Resp: 487022
Ion Ratio Lower Upper
84 100
49 146.9 117.0 175.4
51 44.1 35.5 53.3
86 63.8 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VN057441.D (-762) (-)
Ion 48.90 (48.60 to 49.60): VN057441.D (-762) (-)
Ion 50.90 (50.60 to 51.60): VN057441.D (-762) (-)
Ion 85.90 (85.60 to 86.60): VN057441.D (-762) (-)





#21

trans-1,2-Dichloroethene

Concen: 112.891 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

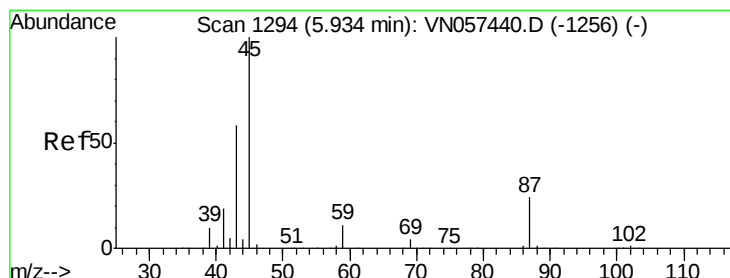
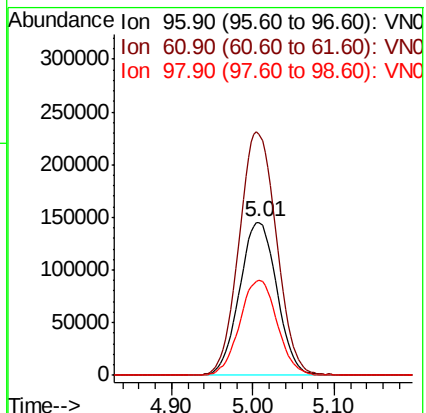
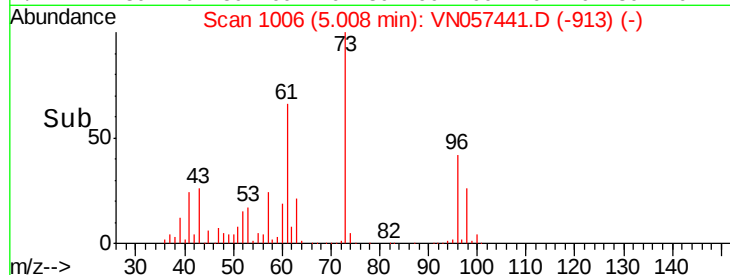
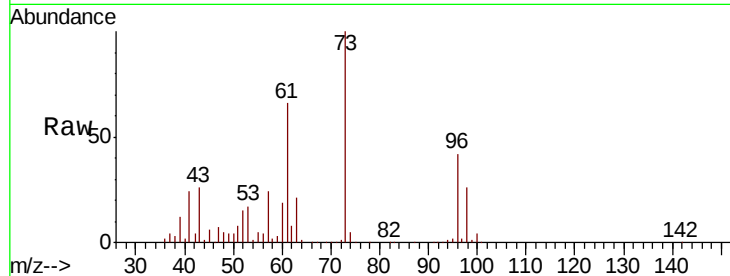
Tgt Ion: 96 Resp: 460335

Ion Ratio Lower Upper

96 100

61 157.4 127.9 191.9

98 62.4 50.6 76.0



#22

Diisopropyl ether

Concen: 147.526 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Tgt Ion: 45 Resp: 1909544

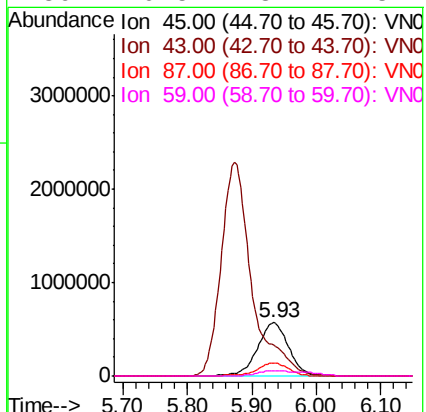
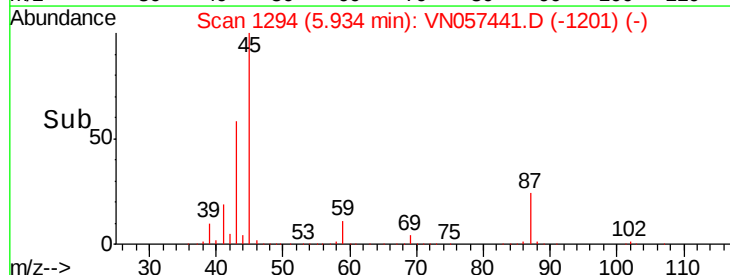
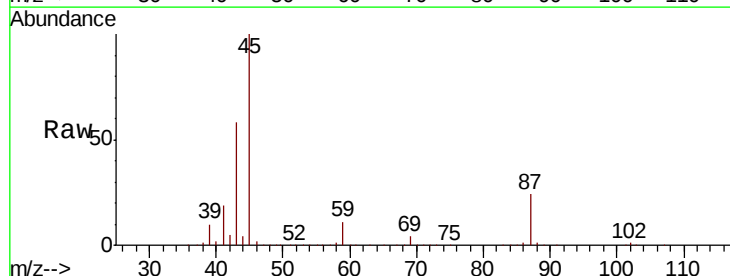
Ion Ratio Lower Upper

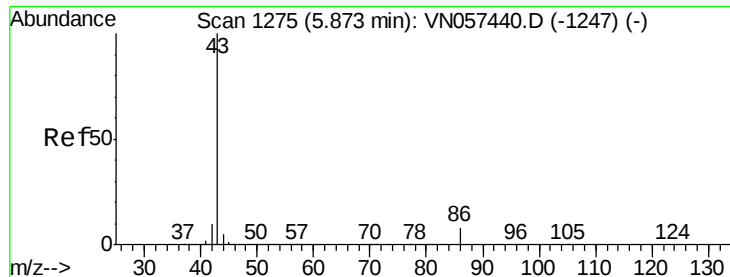
45 100

43 57.8 46.9 70.3

87 23.9 19.3 28.9

59 10.5 8.7 13.1





#23

Vinyl Acetate

Concen: 736.306 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

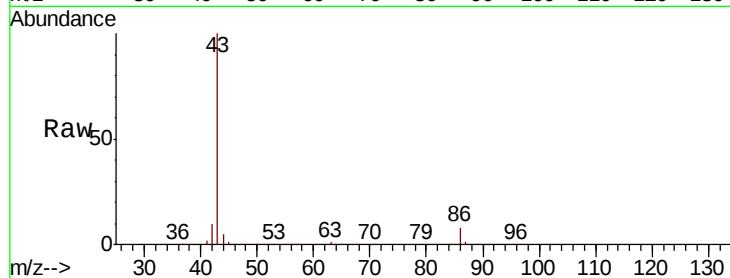
VSTDIC100

Tgt Ion: 43 Resp: 7588095

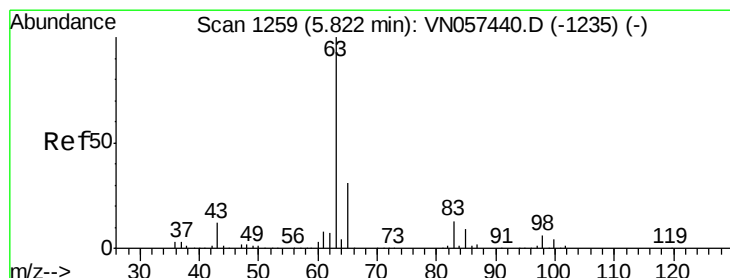
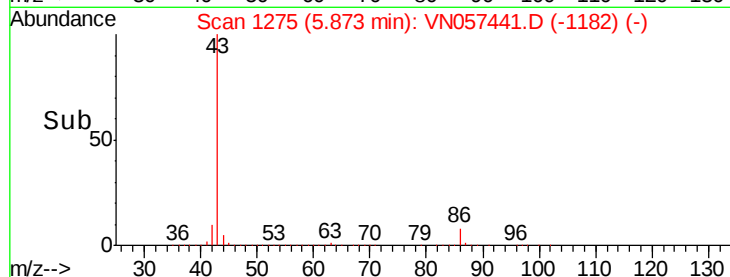
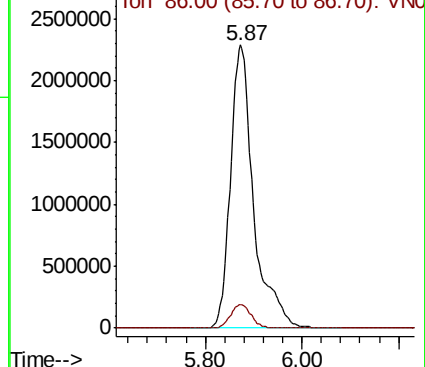
Ion Ratio Lower Upper

43 100

86 8.5 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN057441.D (-1182) (-)



#24

1,1-Dichloroethane

Concen: 130.248 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

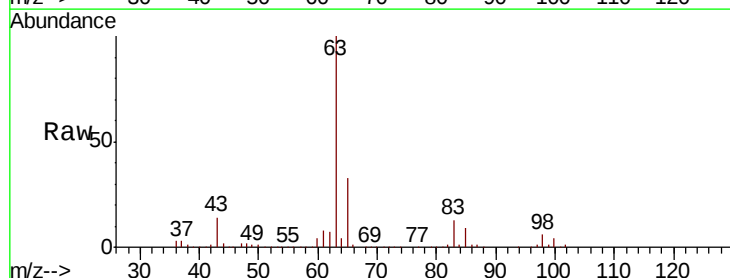
Tgt Ion: 63 Resp: 997863

Ion Ratio Lower Upper

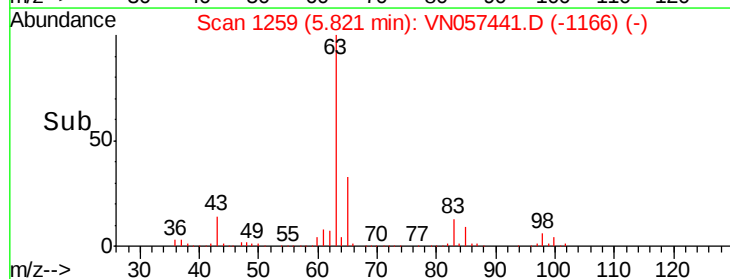
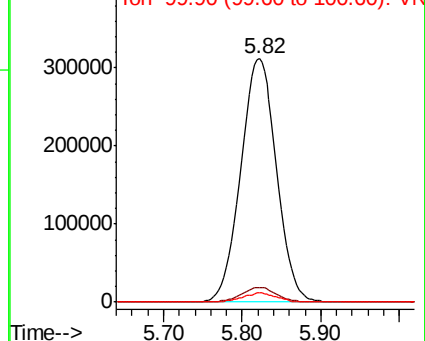
63 100

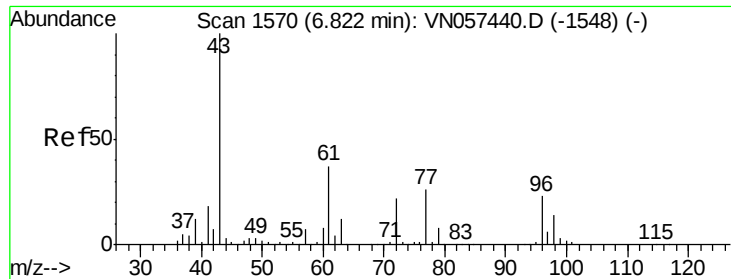
98 6.0 2.9 8.6

100 3.8 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN057441.D (-1166) (-)

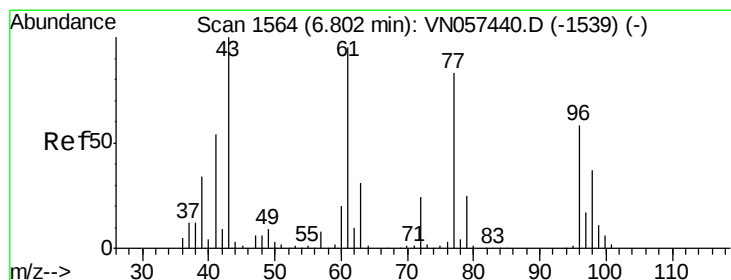
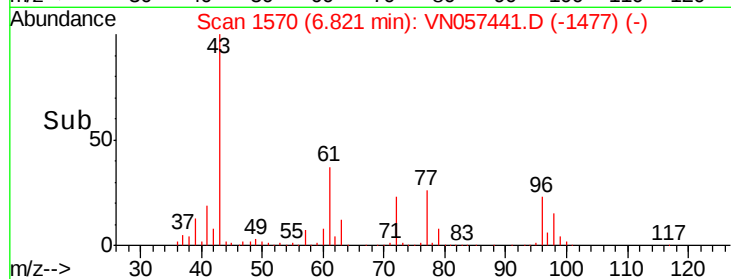
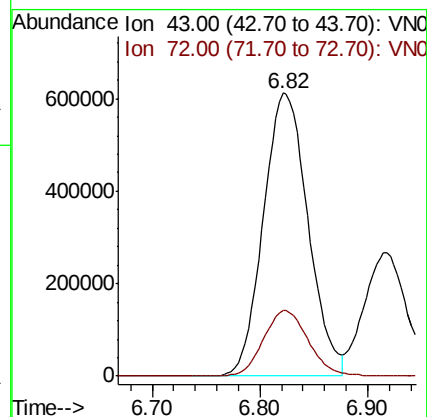
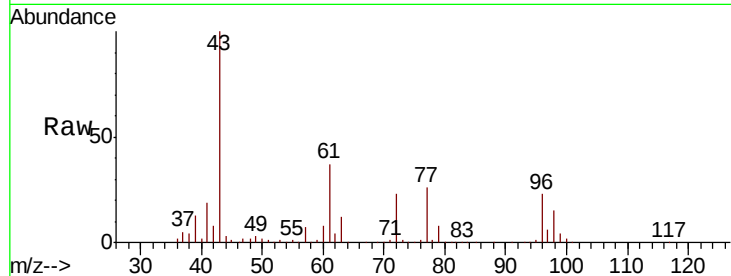




#25
2-Butanone
Concen: 706.897 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

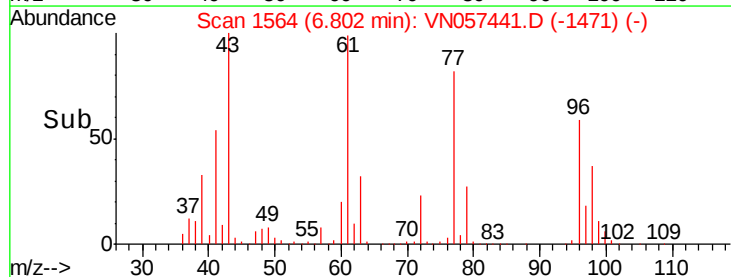
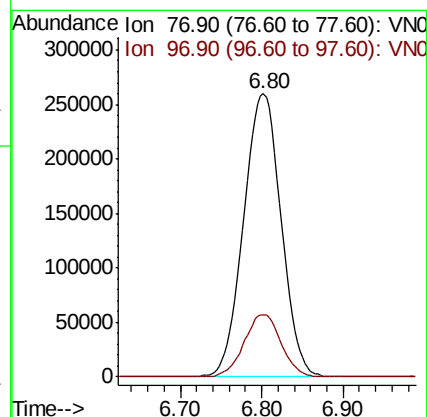
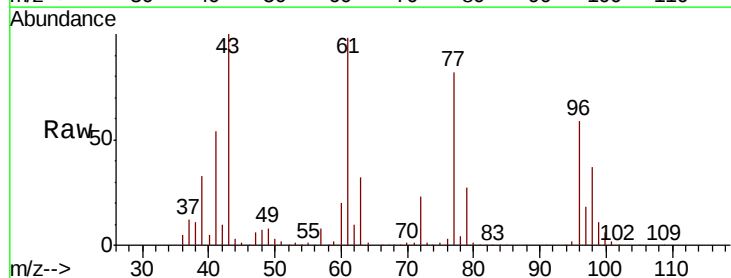
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

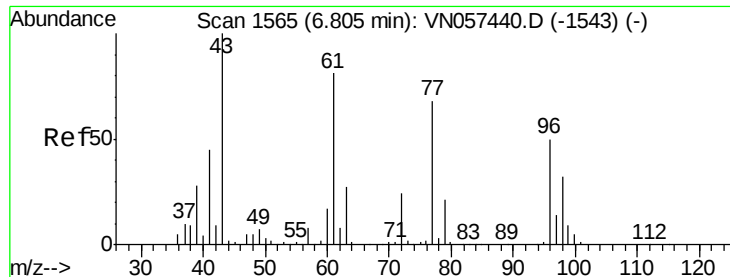
Tgt Ion: 43 Resp: 1754103
Ion Ratio Lower Upper
43 100
72 23.3 17.8 26.8



#26
2,2-Dichloropropane
Concen: 132.416 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 77 Resp: 826699
Ion Ratio Lower Upper
77 100
97 21.6 10.8 32.3



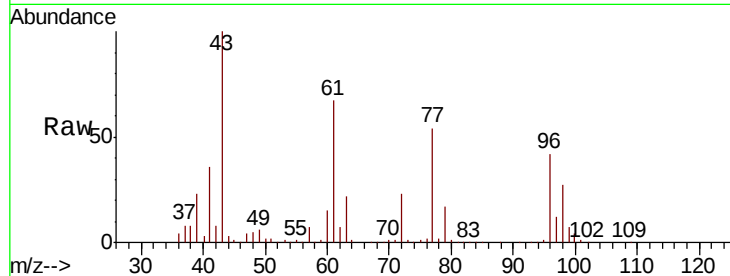


#27

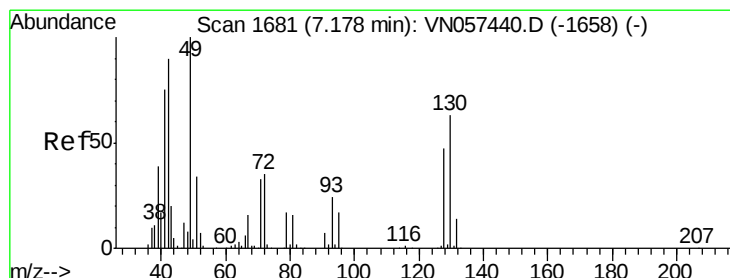
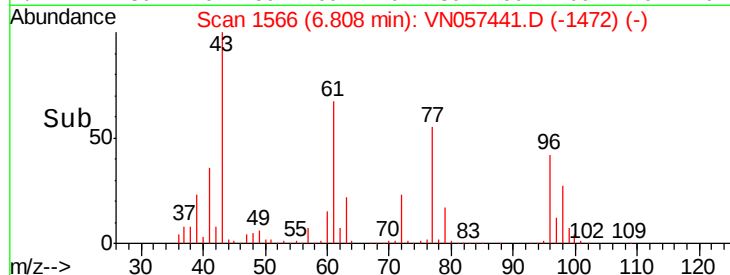
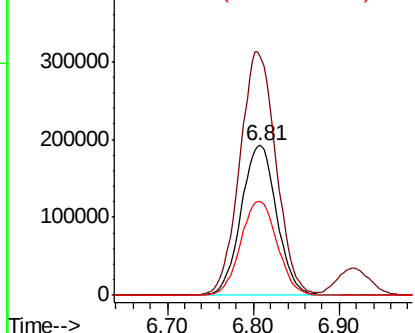
cis-1,2-Dichloroethene
 Concen: 114.373 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 96 Resp: 553913
 Ion Ratio Lower Upper
 96 100
 61 165.8 0.0 334.8
 98 64.4 0.0 127.4



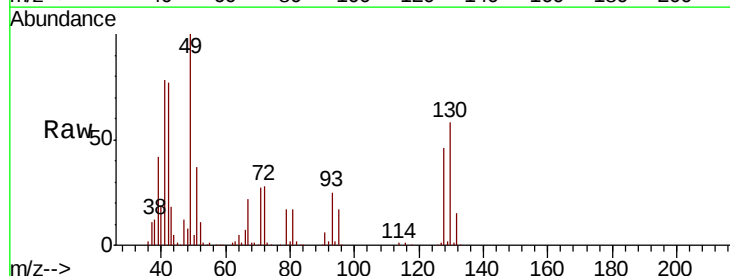
Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0



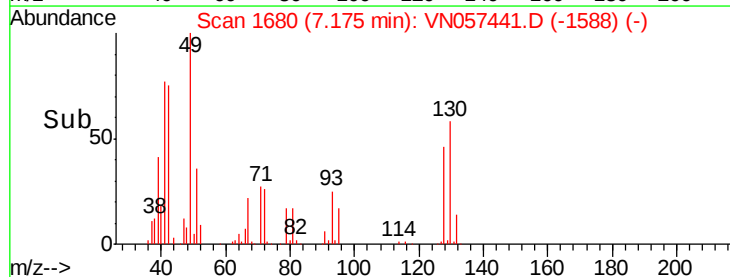
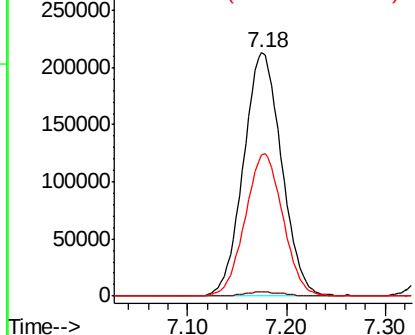
#28

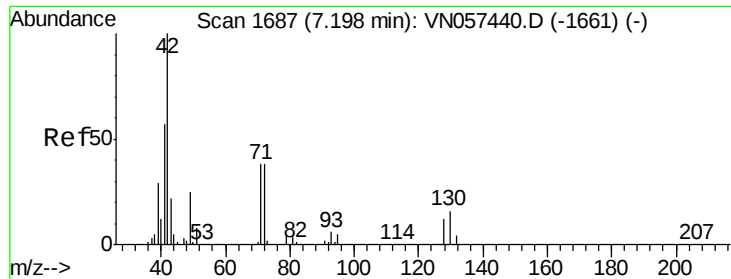
Bromochloromethane
 Concen: 156.123 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion: 49 Resp: 569396
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.6
 130 57.9 48.6 72.8



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: 731.143 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

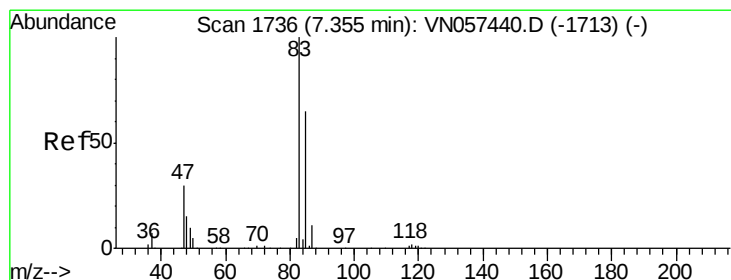
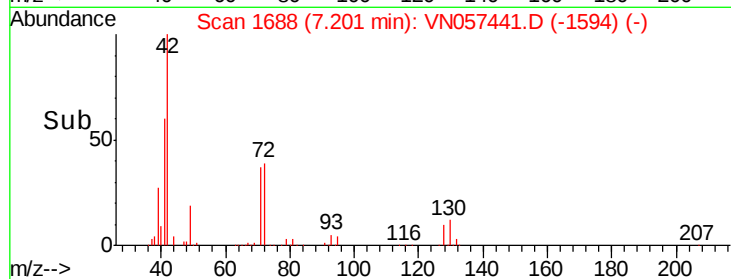
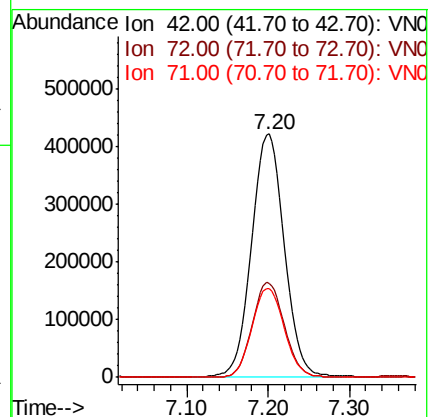
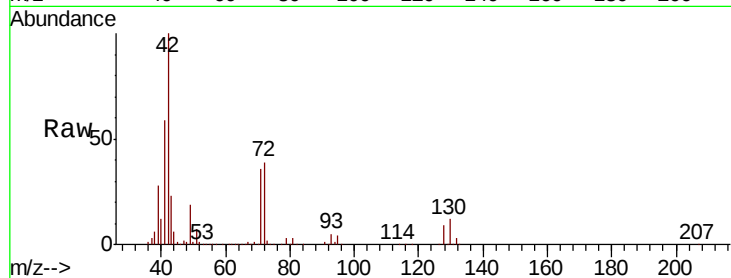
Tgt Ion: 42 Resp: 1162665

Ion Ratio Lower Upper

42 100

72 38.0 30.1 45.1

71 36.5 28.8 43.2



#30

Chloroform

Concen: 122.450 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN057441.D

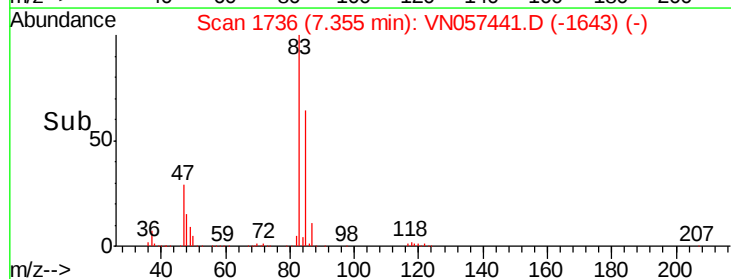
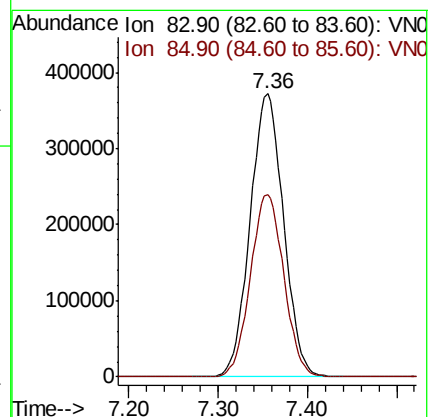
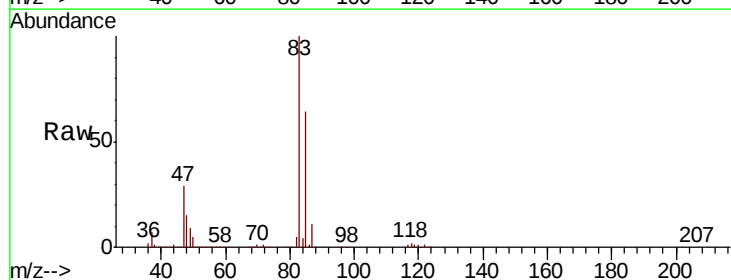
Acq: 22 Aug 2019 18:43

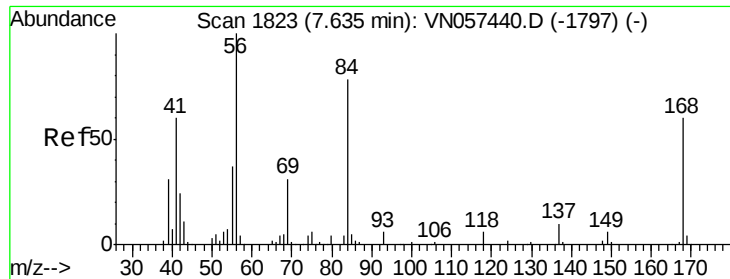
Tgt Ion: 83 Resp: 971031

Ion Ratio Lower Upper

83 100

85 64.5 51.9 77.9

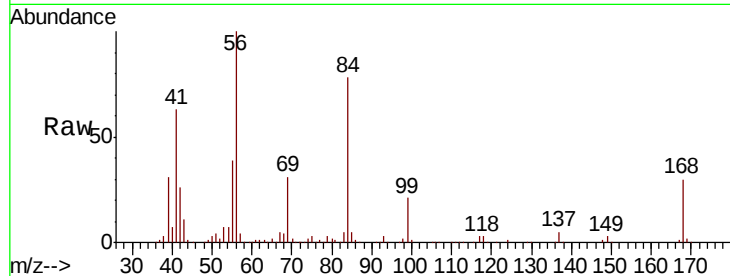




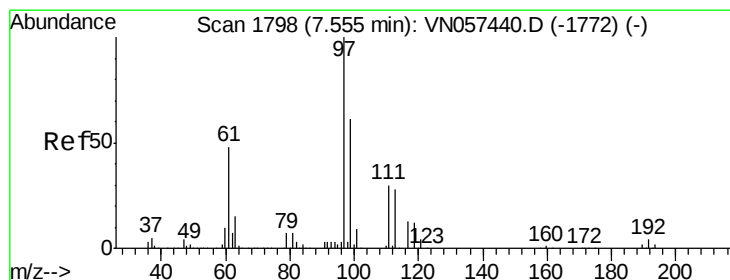
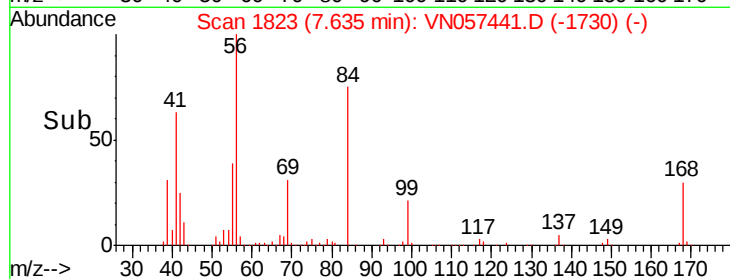
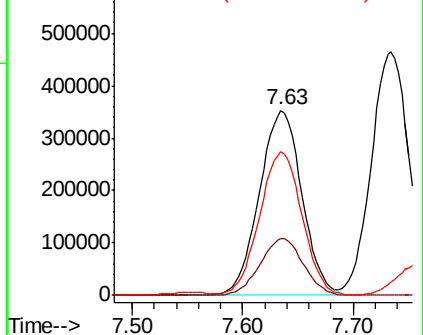
#31
Cyclohexane
Concen: 134.789 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 941781
Ion Ratio Lower Upper
56 100
69 30.9 25.0 37.6
84 76.3 62.5 93.7

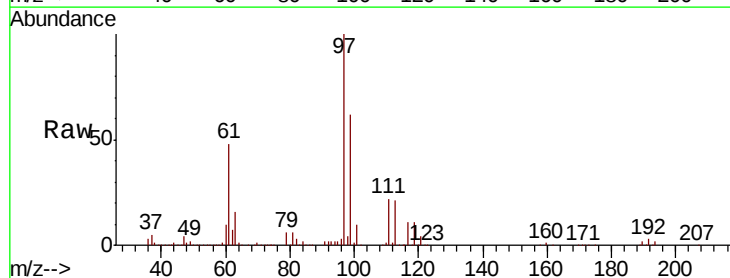


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

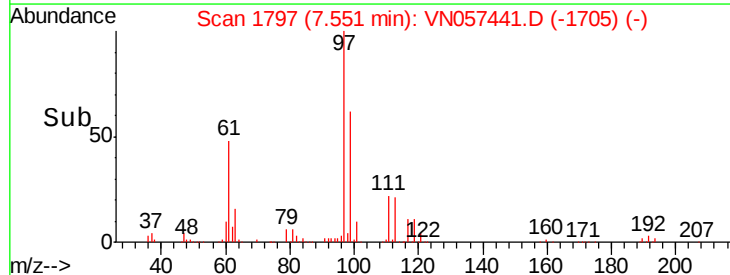
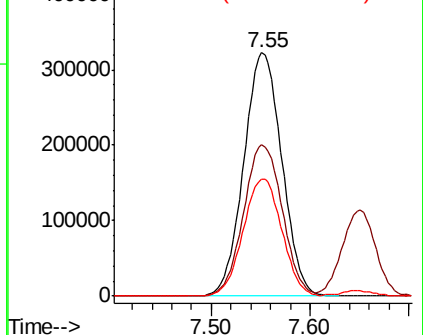


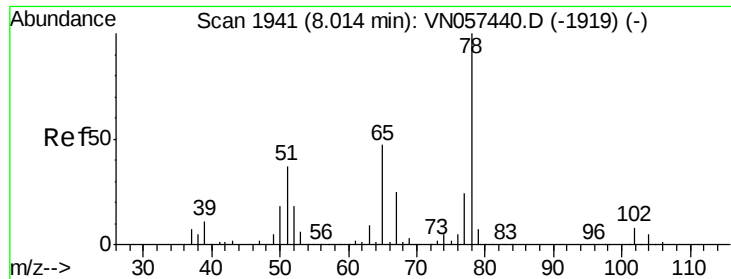
#32
1,1,1-Trichloroethane
Concen: 129.104 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 97 Resp: 861243
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.6
61 49.0 39.8 59.6



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

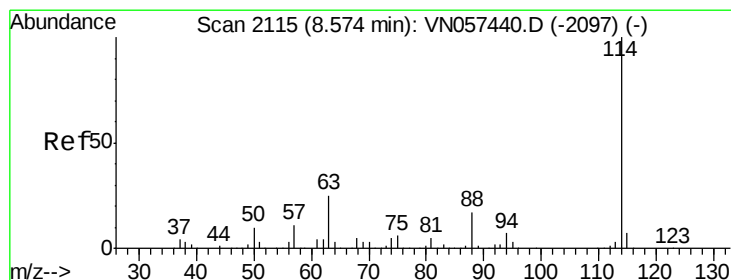
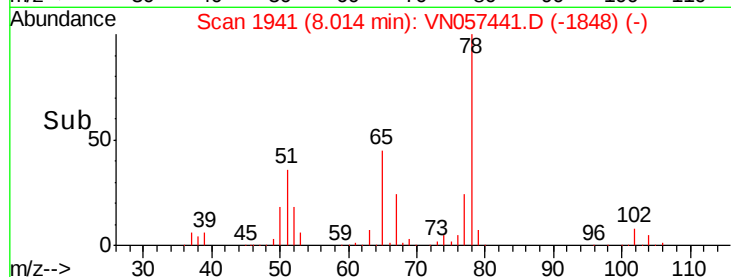
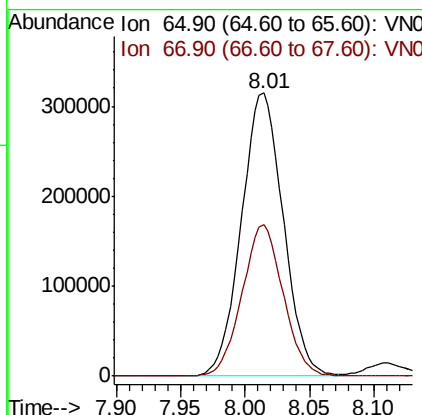
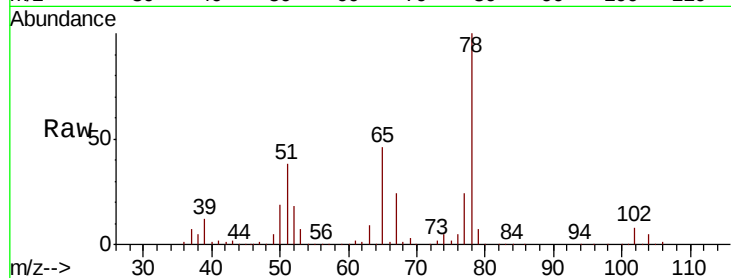




#33
 1,2-Dichloroethane-d4
 Concen: 138.325 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

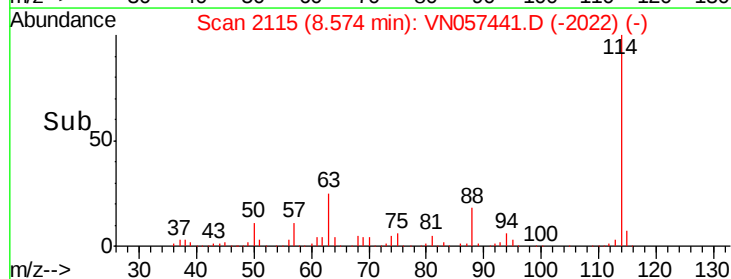
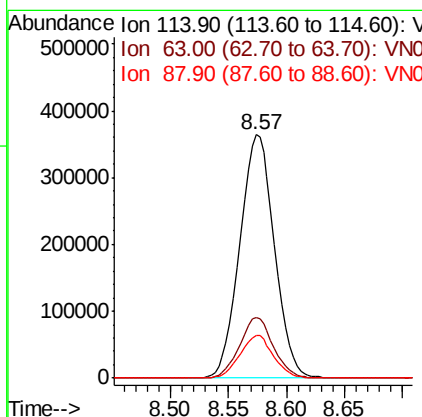
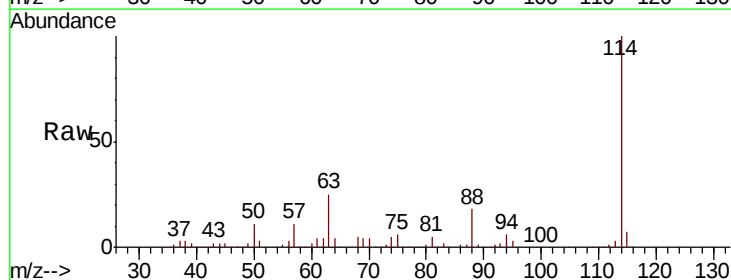
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

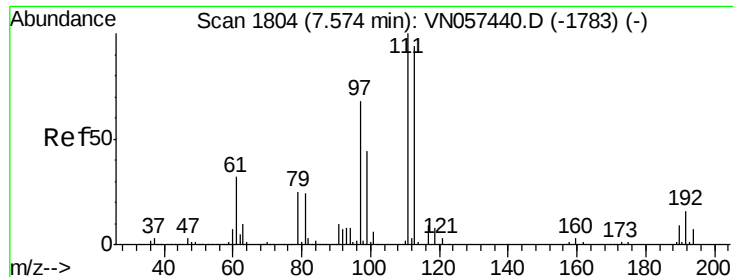
Tgt Ion: 65 Resp: 711729
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion: 114 Resp: 754821
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.2
 88 17.6 0.0 34.6

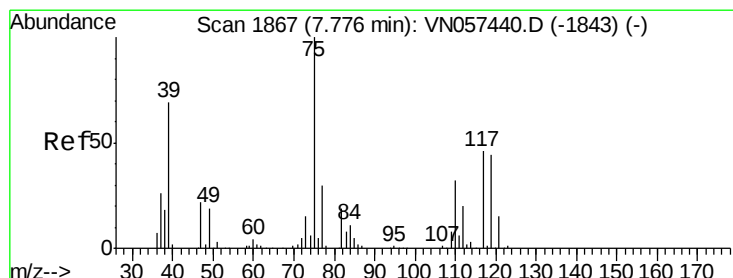
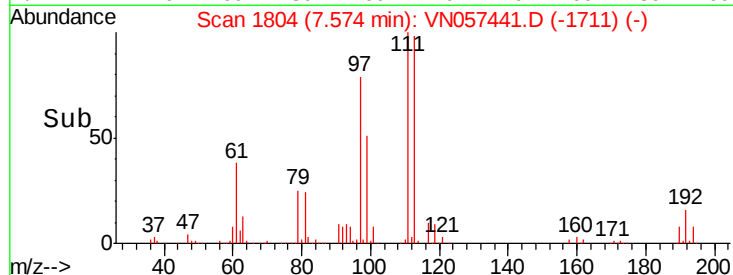
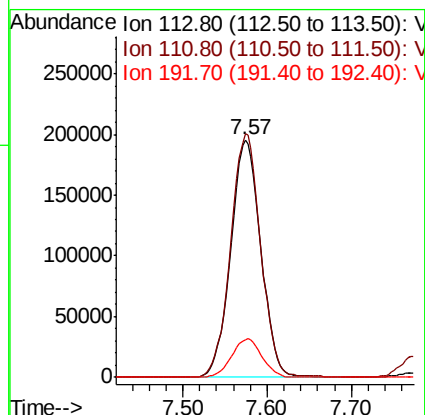
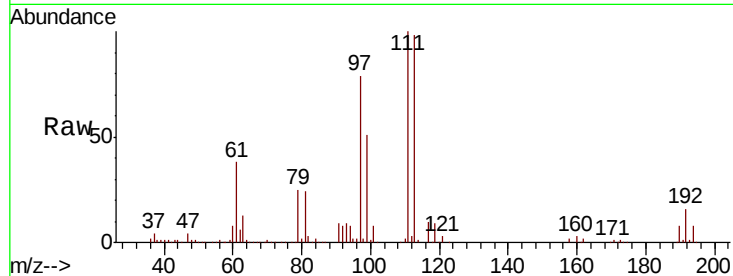




#35
 Dibromofluoromethane
 Concen: 96.996 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

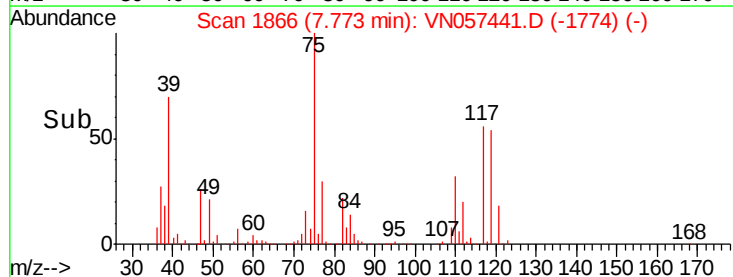
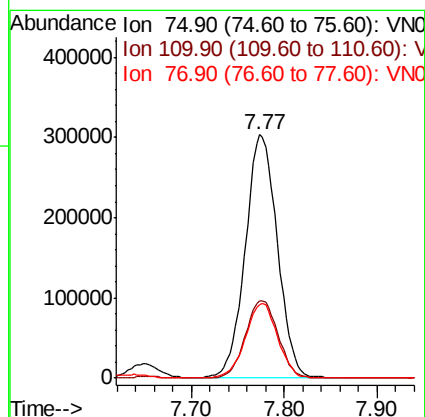
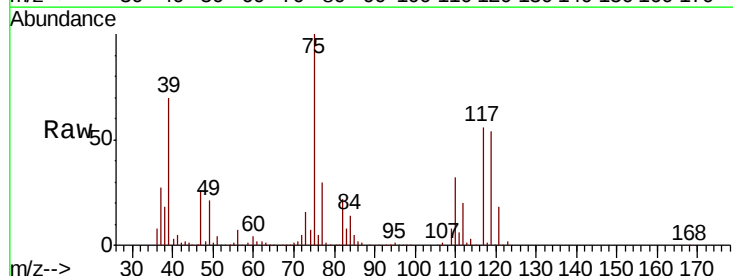
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

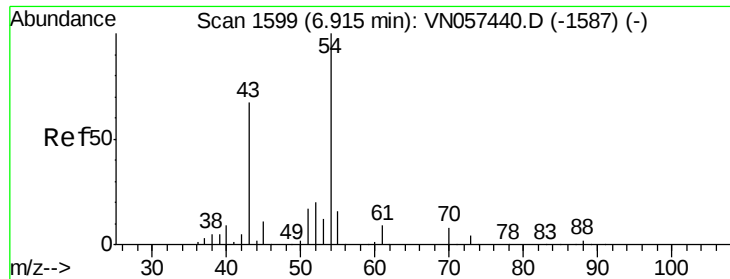
Tgt Ion: 113 Resp: 484052
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.8 125.6
 192 16.4 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 106.893 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion: 75 Resp: 726253
 Ion Ratio Lower Upper
 75 100
 110 32.5 16.1 48.3
 77 30.9 24.8 37.2

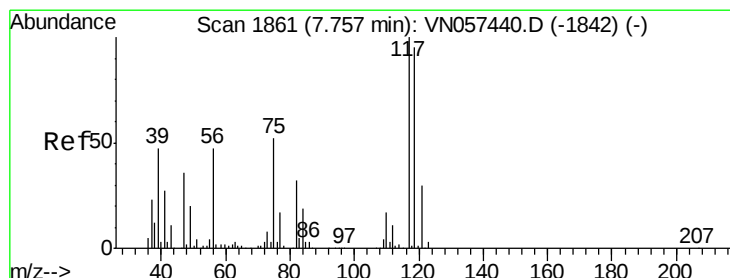
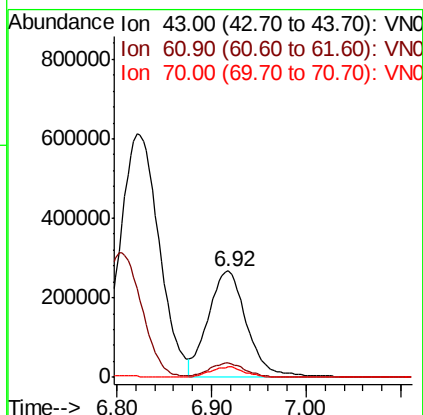
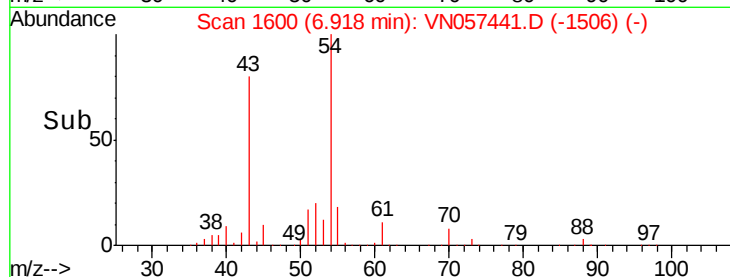
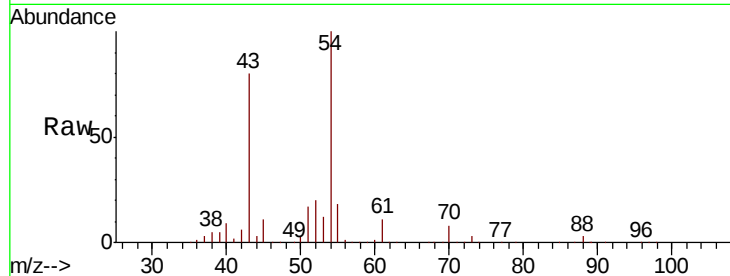




#37
Ethyl Acetate
Concen: 130.404 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

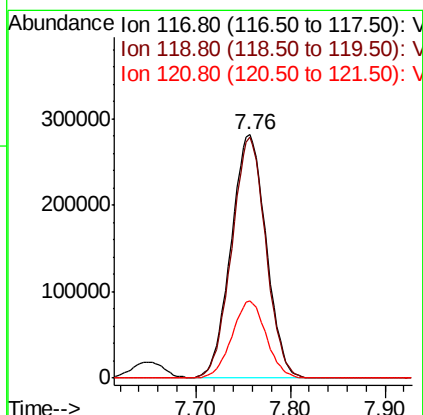
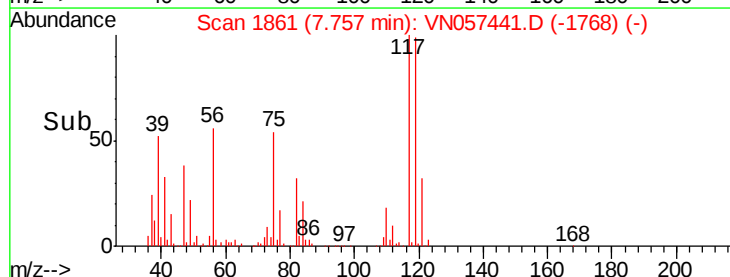
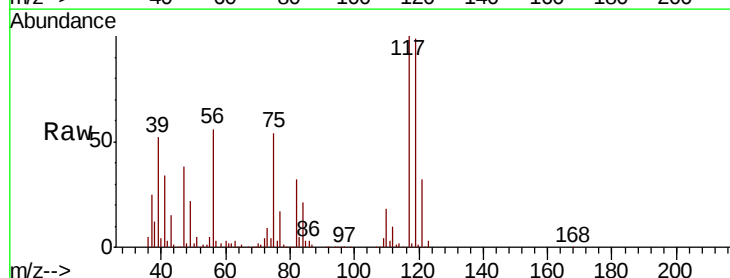
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

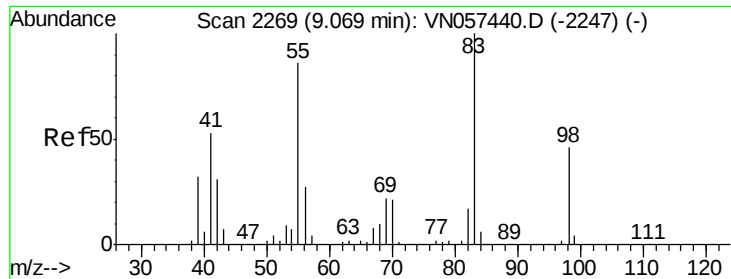
Tgt Ion: 43 Resp: 745405
Ion Ratio Lower Upper
43 100
61 12.7 9.9 14.9
70 8.9 7.0 10.6



#38
Carbon Tetrachloride
Concen: 103.603 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 117 Resp: 724342
Ion Ratio Lower Upper
117 100
119 98.7 76.2 114.4
121 31.9 23.8 35.6

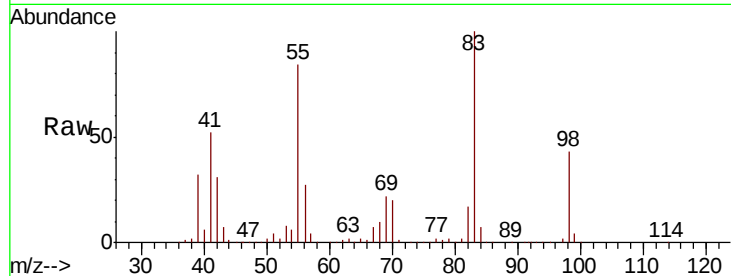




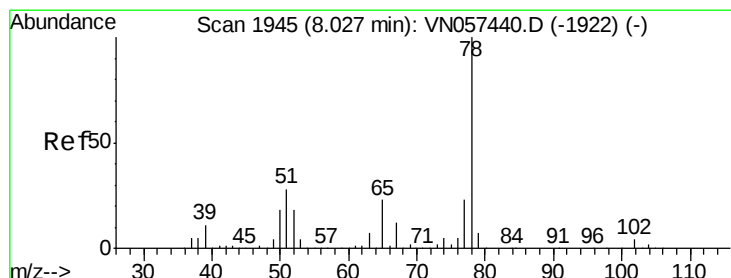
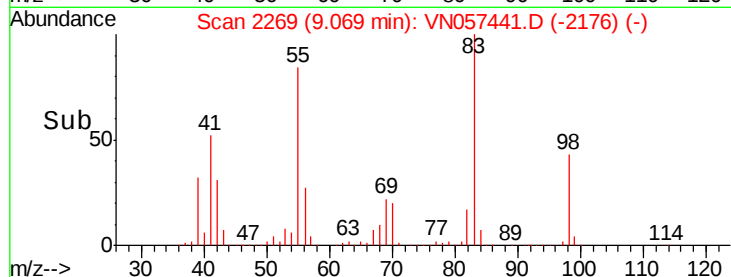
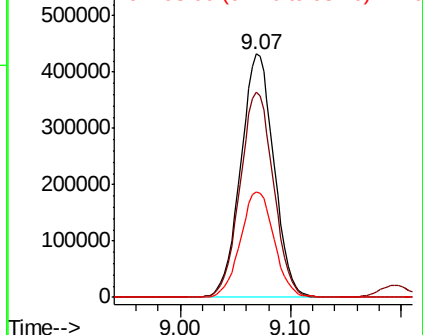
#39
Methylcyclohexane
Concen: 112.779 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 899101
Ion Ratio Lower Upper
83 100
55 84.2 68.6 102.8
98 43.3 36.6 54.8

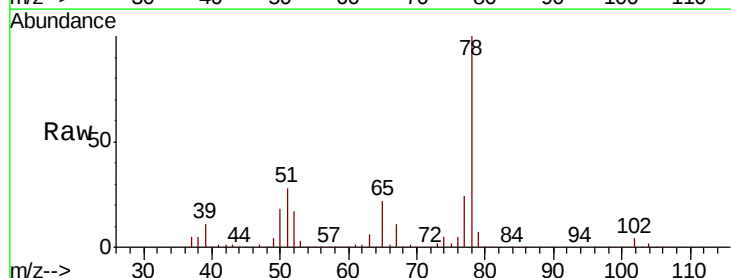


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

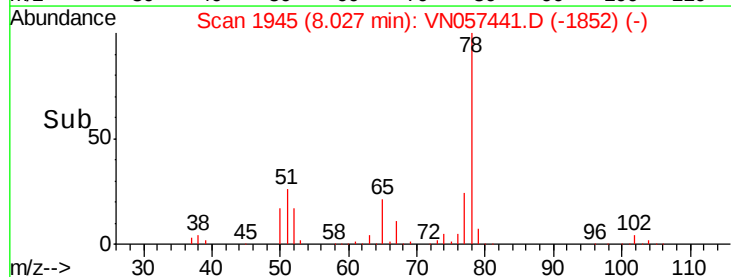
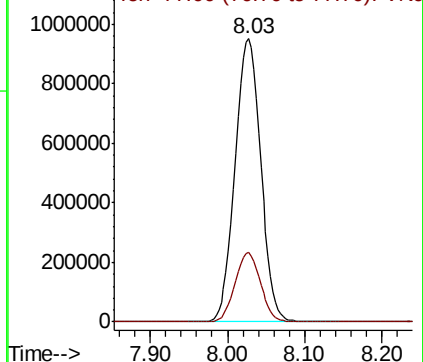


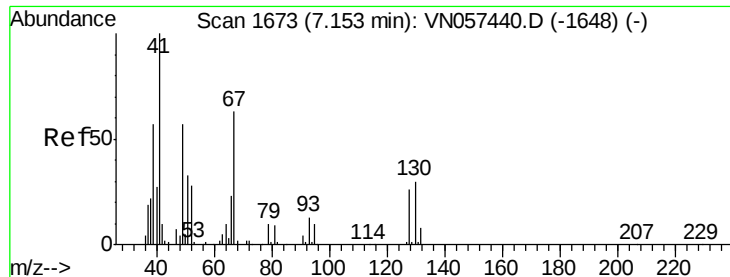
#40
Benzene
Concen: 106.073 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 78 Resp: 2191613
Ion Ratio Lower Upper
78 100
77 24.4 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

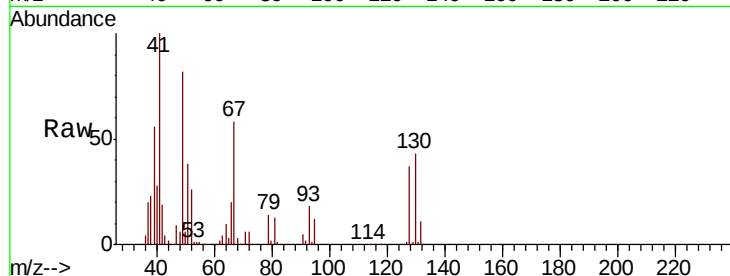




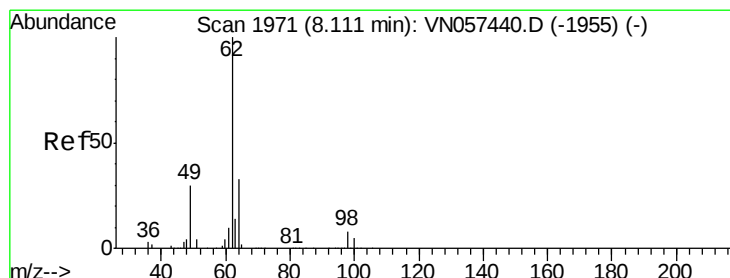
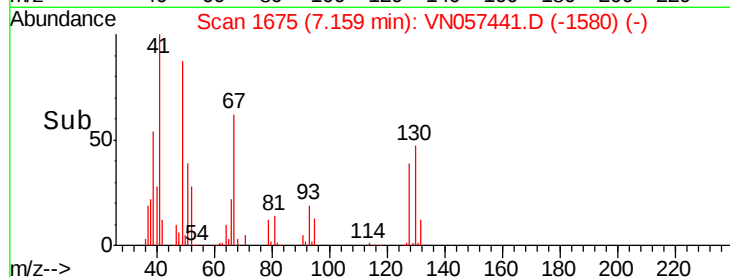
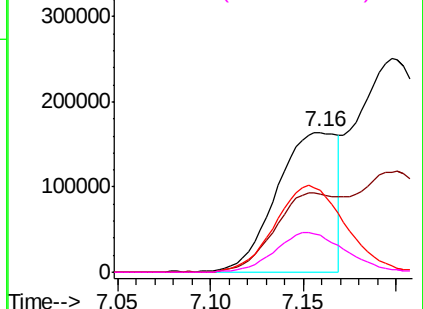
#41
Methacrylonitrile
Concen: 141.788 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 41 Resp: 369854
Ion Ratio Lower Upper
41 100
39 52.2 53.6 80.4#
67 73.5 65.4 98.2
52 33.2 29.8 44.6

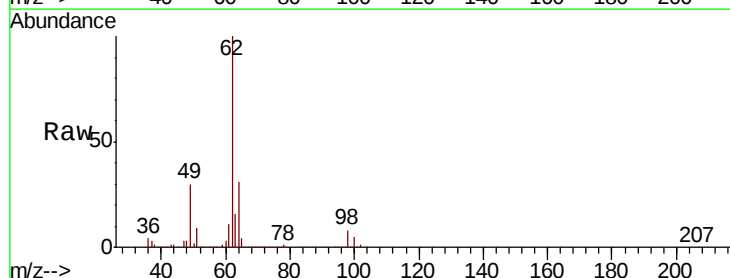


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

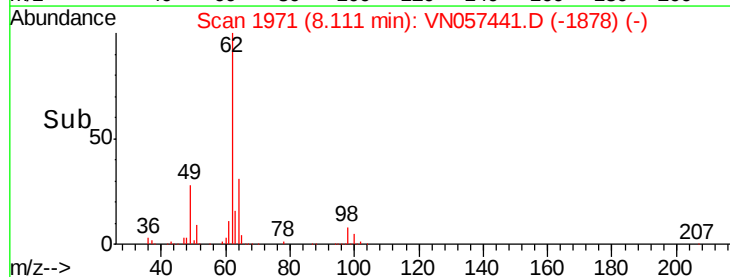
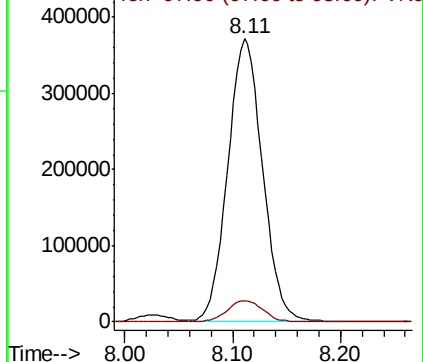


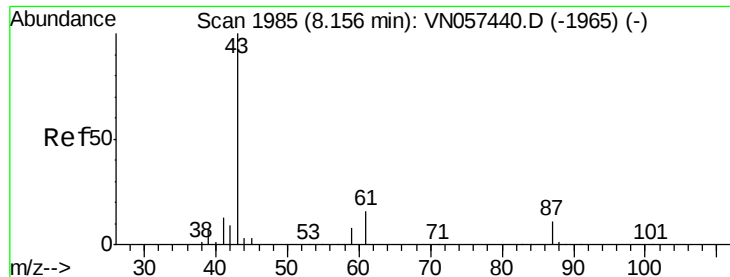
#42
1,2-Dichloroethane
Concen: 118.324 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 62 Resp: 830133
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.4



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





#43

Isopropyl Acetate

Concen: 107.951 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

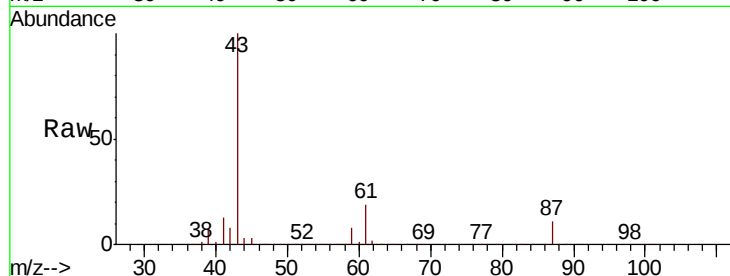
Tgt Ion: 43 Resp: 1326900

Ion Ratio Lower Upper

43 100

61 18.4 14.5 21.7

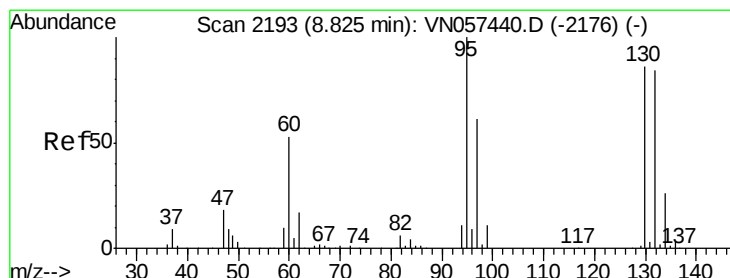
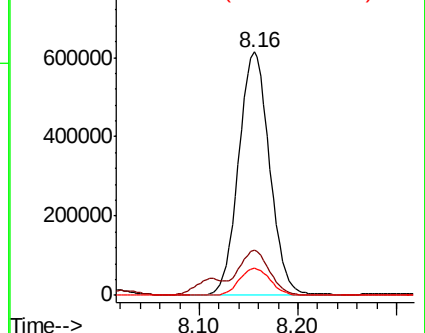
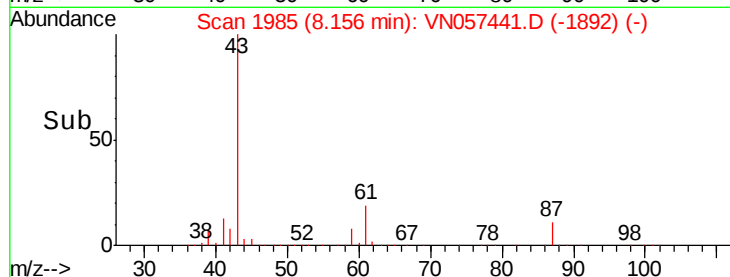
87 11.2 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN057441.D (-1892) (-)

Ion 61.00 (60.70 to 61.70): VN057441.D (-1892) (-)

Ion 87.00 (86.70 to 87.70): VN057441.D (-1892) (-)



#44

Trichloroethene

Concen: 87.468 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057441.D

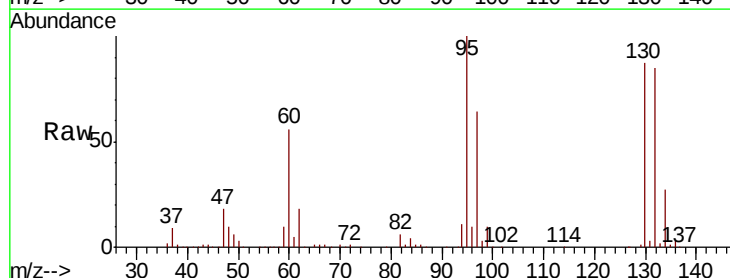
Acq: 22 Aug 2019 18:43

Tgt Ion: 130 Resp: 493104

Ion Ratio Lower Upper

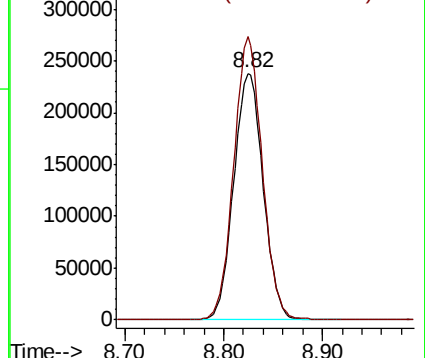
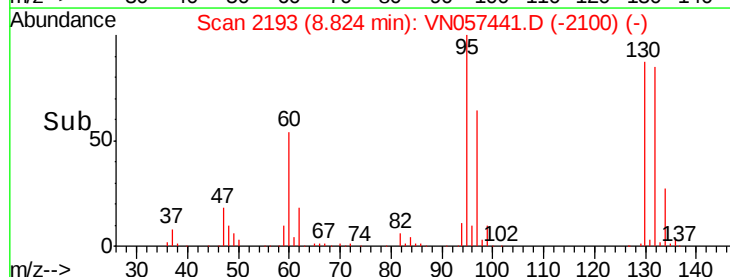
130 100

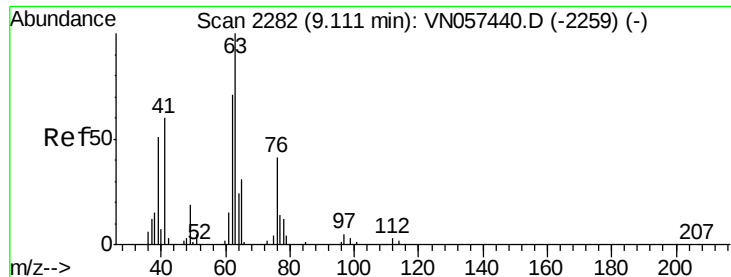
95 114.7 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): VN057441.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN057441.D (-2100) (-)

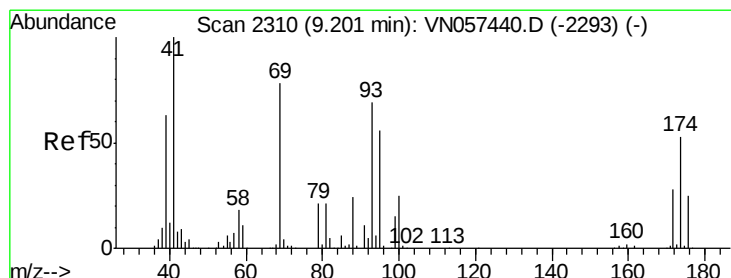
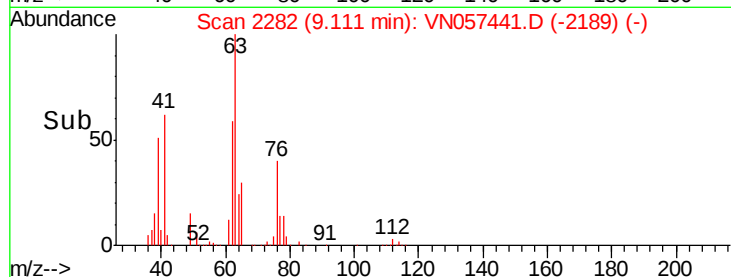
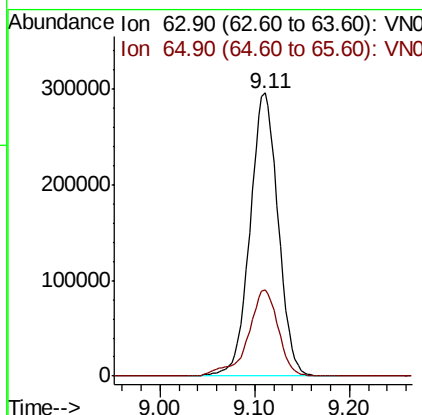
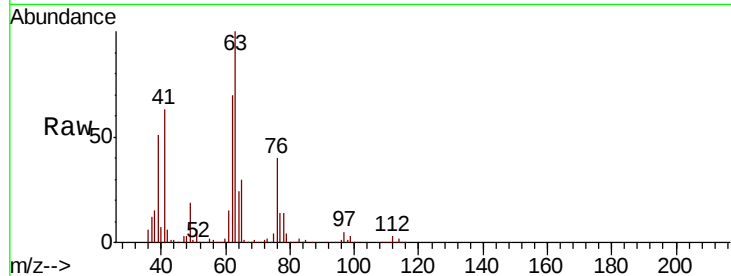




#45
 1,2-Dichloropropane
 Concen: 113.118 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

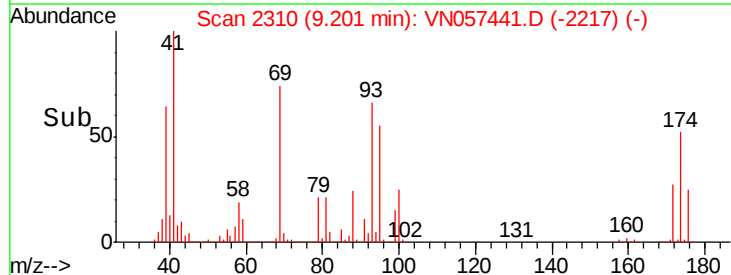
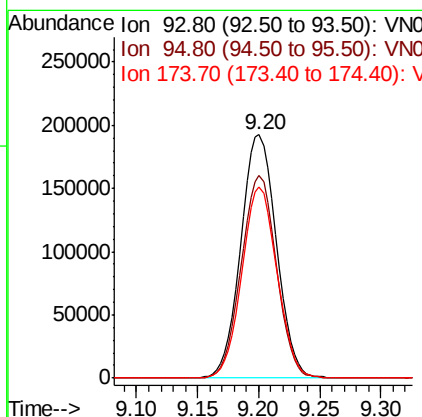
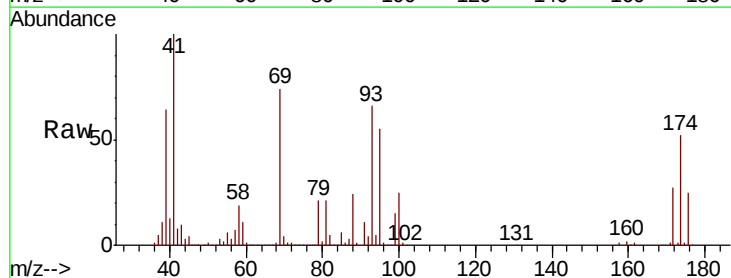
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

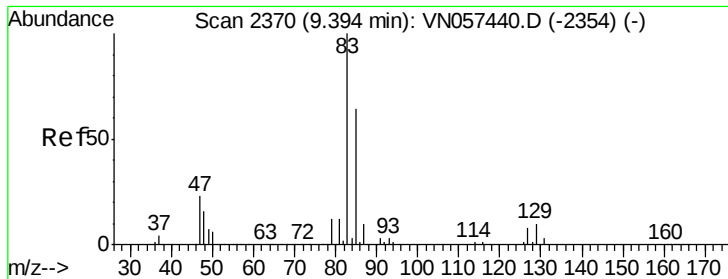
Tgt Ion: 63 Resp: 610482
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.7 37.1



#46
 Dibromomethane
 Concen: 108.965 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion: 93 Resp: 388304
 Ion Ratio Lower Upper
 93 100
 95 82.1 64.7 97.1
 174 77.5 62.3 93.5





#47

Bromodichloromethane

Concen: 114.693 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

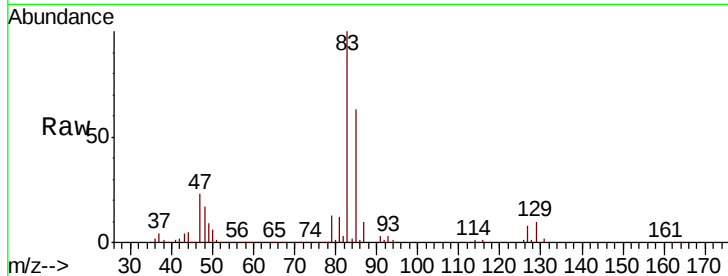
Tgt Ion: 83 Resp: 816245

Ion Ratio Lower Upper

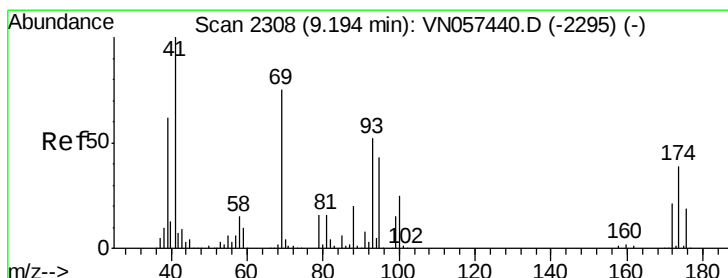
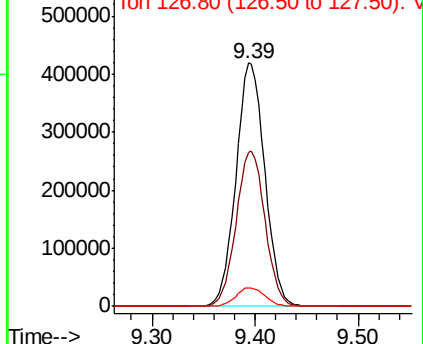
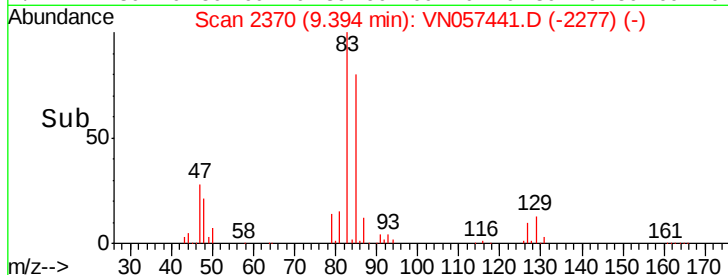
83 100

85 63.1 51.2 76.8

127 7.7 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN057441.D (-2277) (-)



#48

Methyl methacrylate

Concen: 135.027 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

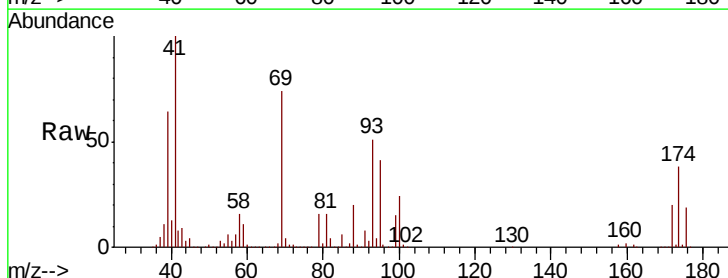
Tgt Ion: 41 Resp: 646703

Ion Ratio Lower Upper

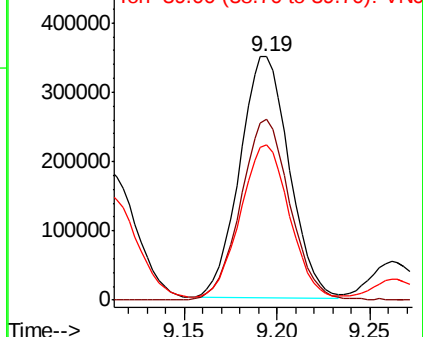
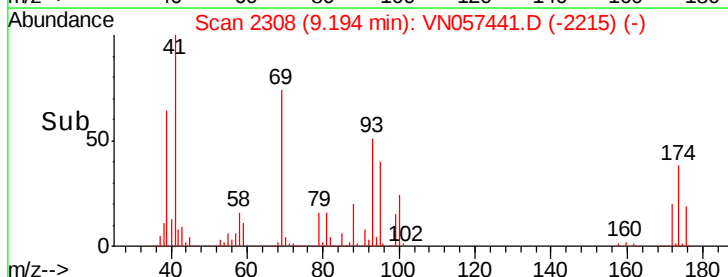
41 100

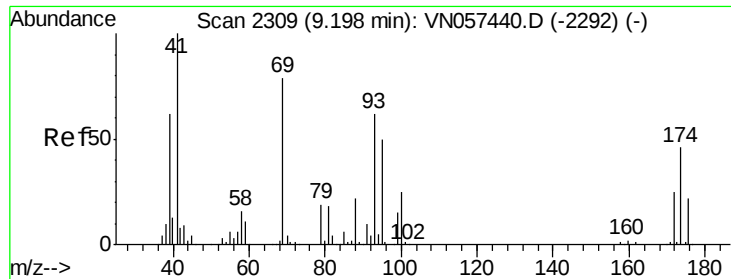
69 74.9 59.3 88.9

39 64.7 50.6 75.8



Abundance Ion 41.00 (40.70 to 41.70): VN057441.D (-2215) (-)

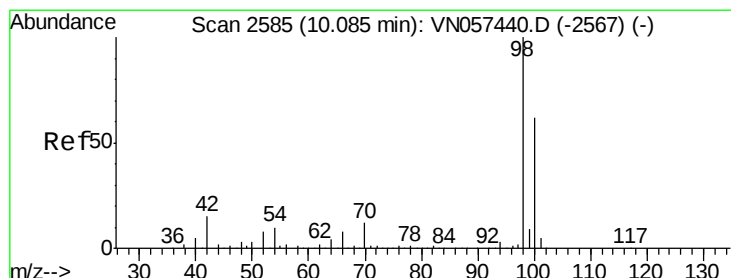
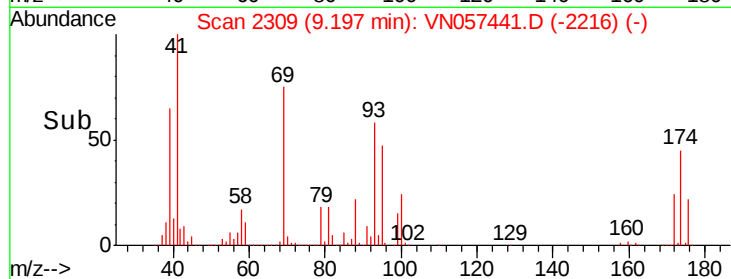
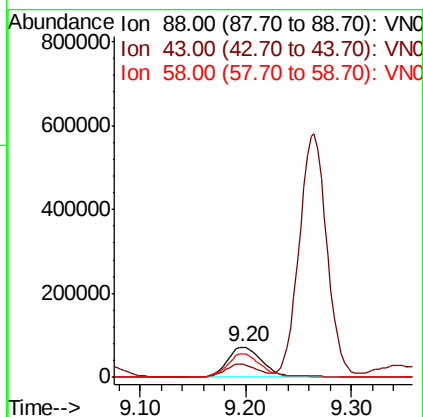
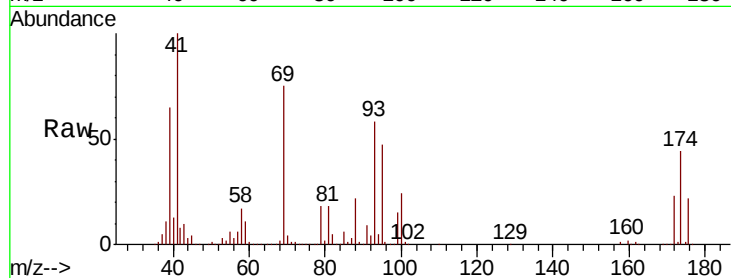




#49
 1,4-Dioxane
 Concen: 1834.687 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

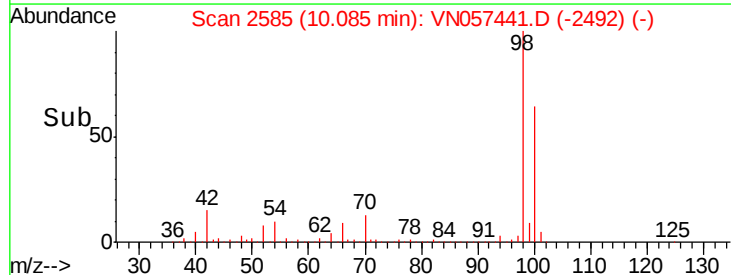
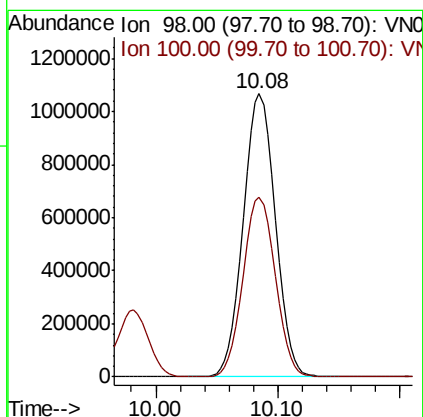
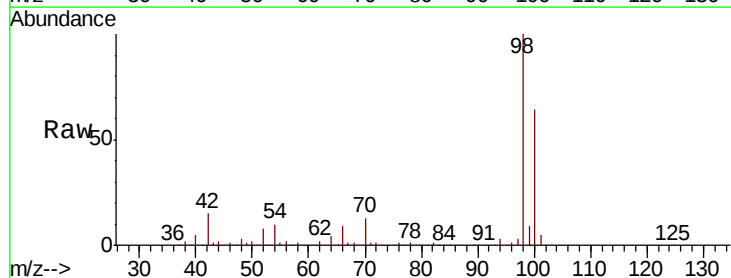
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

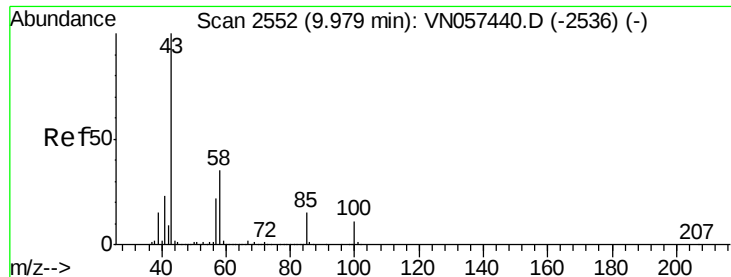
Tgt Ion: 88 Resp: 168179
 Ion Ratio Lower Upper
 88 100
 43 37.4 31.0 46.6
 58 74.2 64.5 96.7



#50
 Toluene-d8
 Concen: 104.815 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion: 98 Resp: 1931067
 Ion Ratio Lower Upper
 98 100
 100 63.9 50.4 75.6

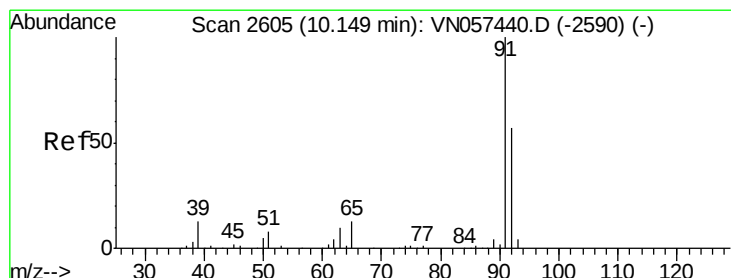
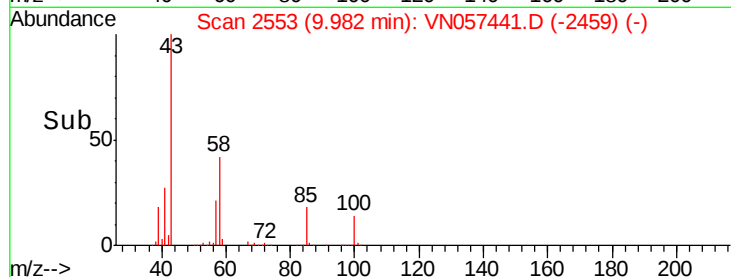
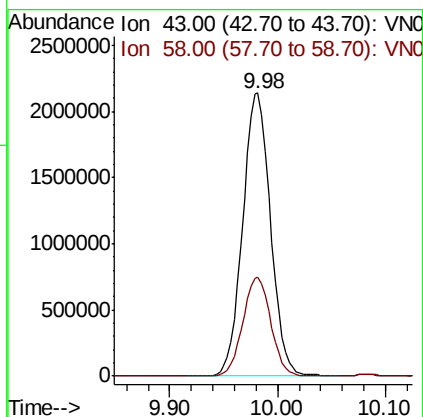
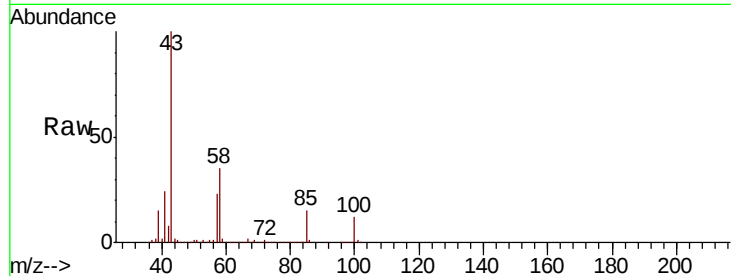




#51
 4-Methyl-2-Pentanone
 Concen: 646.803 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

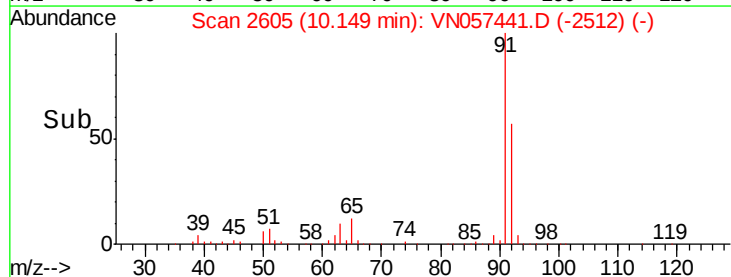
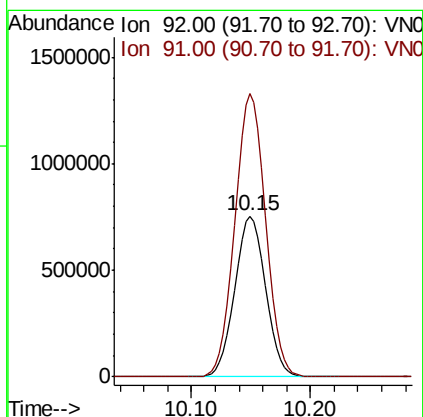
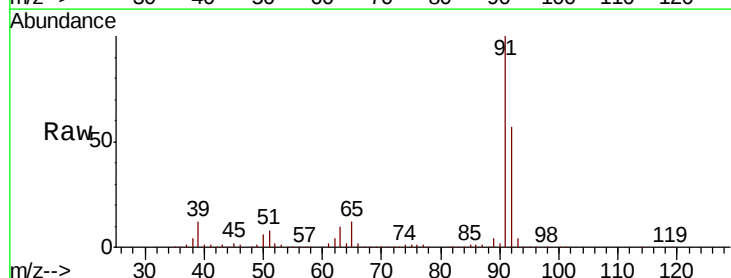
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

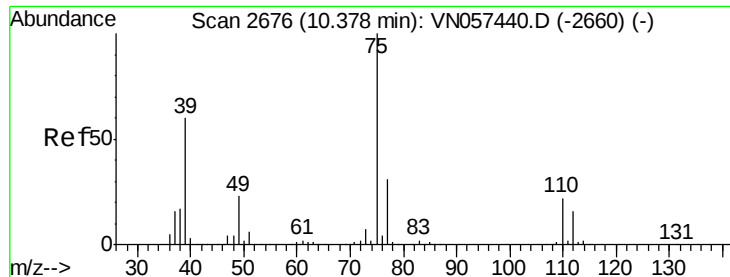
Tgt Ion: 43 Resp: 3836905
 Ion Ratio Lower Upper
 43 100
 58 35.0 27.9 41.9



#52
 Toluene
 Concen: 106.177 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion: 92 Resp: 1350274
 Ion Ratio Lower Upper
 92 100
 91 175.9 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 117.755 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

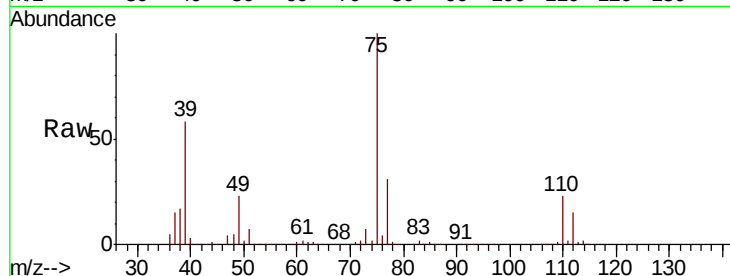
VSTDIC100

Tgt Ion: 75 Resp: 902457

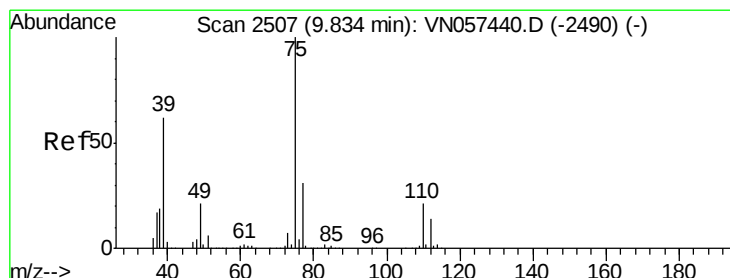
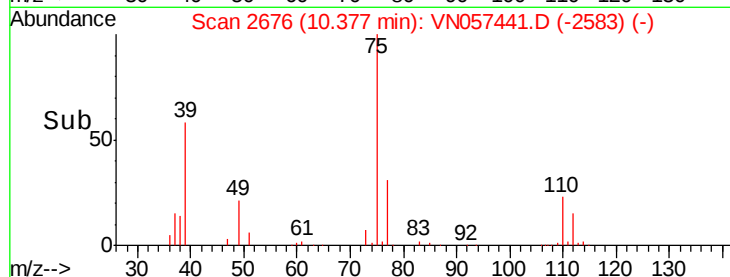
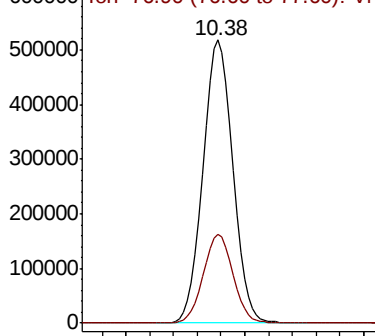
Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 114.940 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

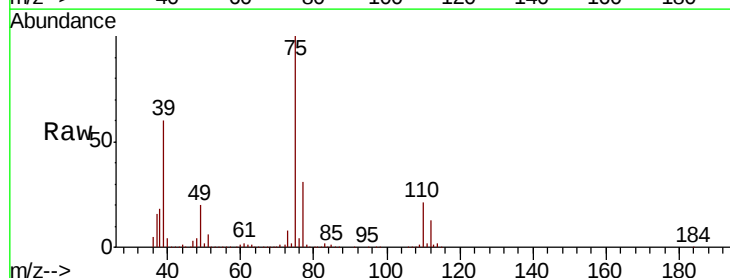
Tgt Ion: 75 Resp: 968851

Ion Ratio Lower Upper

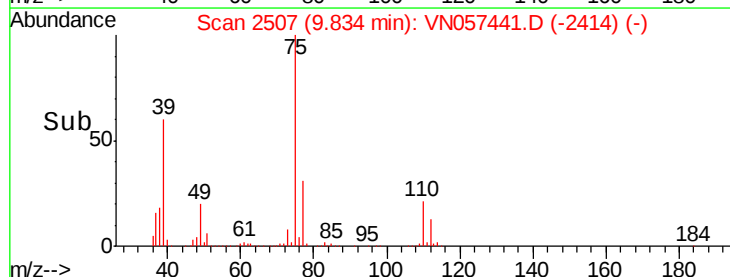
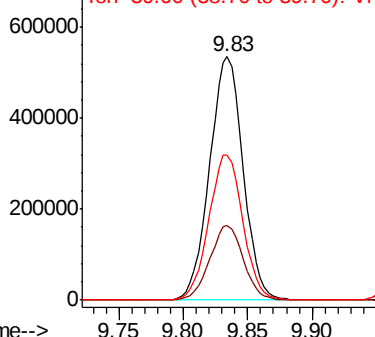
75 100

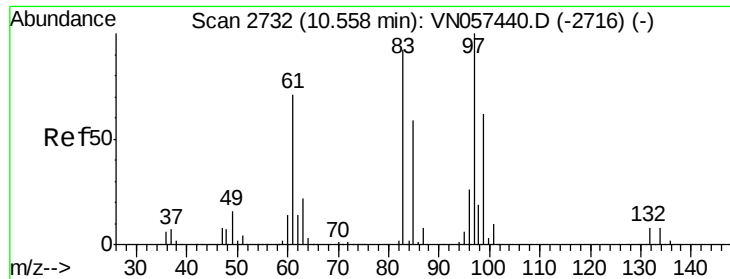
77 30.7 25.0 37.6

39 59.7 49.2 73.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



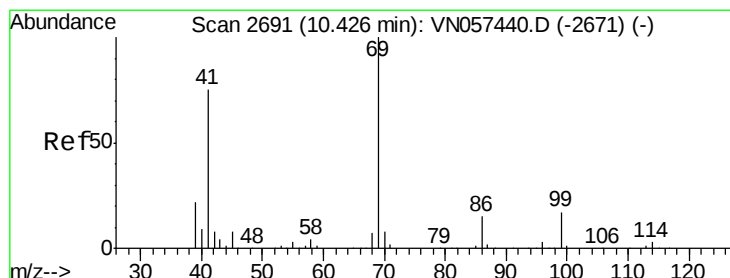
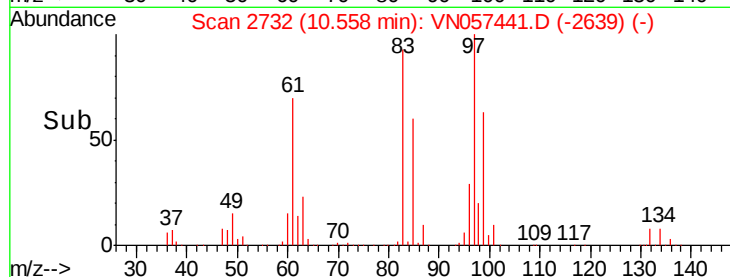
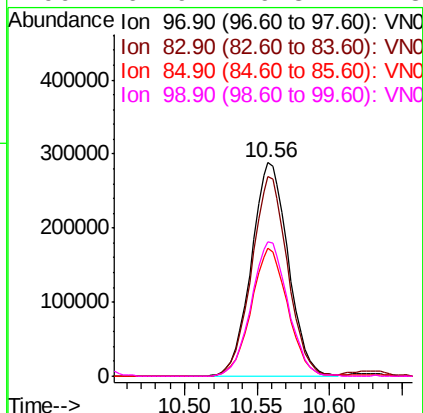
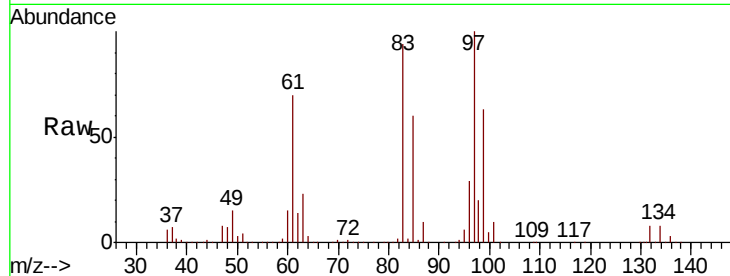


#55
 1,1,2-Trichloroethane
 Concen: 102.277 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 97 Resp: 511077

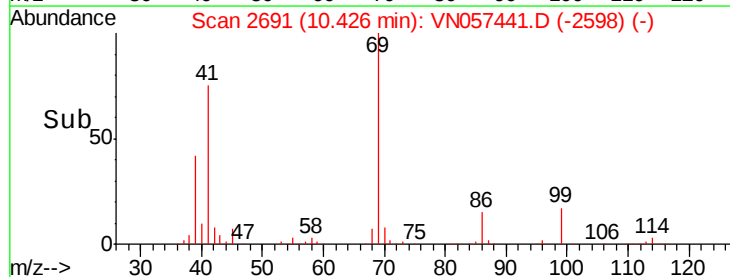
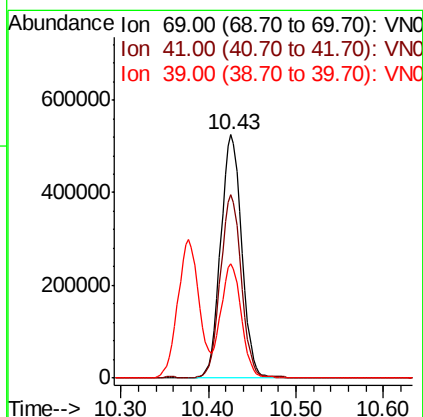
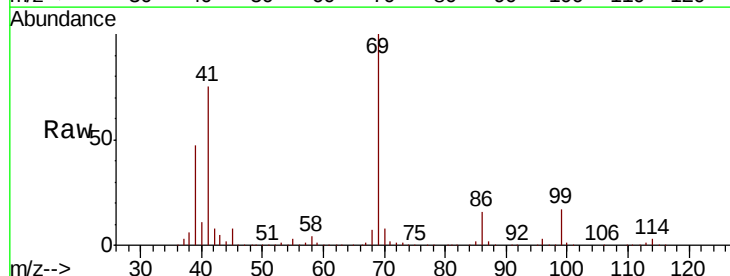
Ion	Ratio	Lower	Upper
97	100		
83	93.5	73.7	110.5
85	59.6	46.8	70.2
99	62.9	49.8	74.8

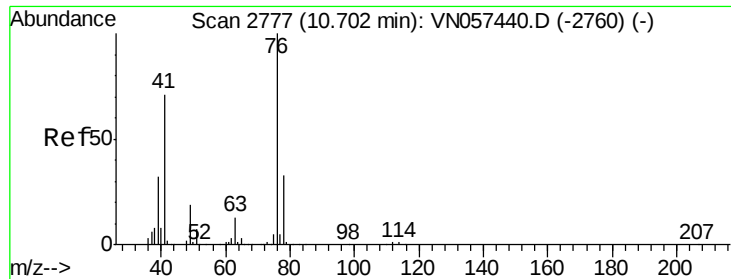


#56
 Ethyl methacrylate
 Concen: 118.496 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion: 69 Resp: 877392

Ion	Ratio	Lower	Upper
69	100		
41	74.1	60.8	91.2
39	45.7	36.5	54.7





#57

1,3-Dichloropropane

Concen: 108.836 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampled :

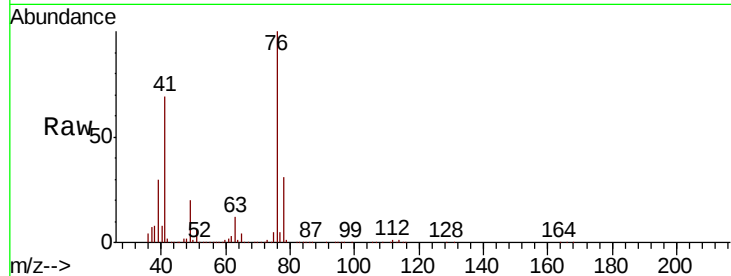
VSTDIC100

Tgt Ion: 76 Resp: 919726

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

500000

400000

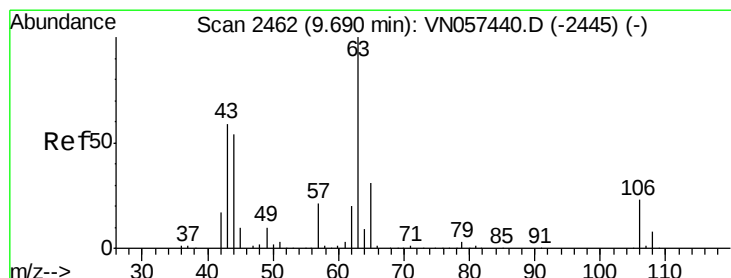
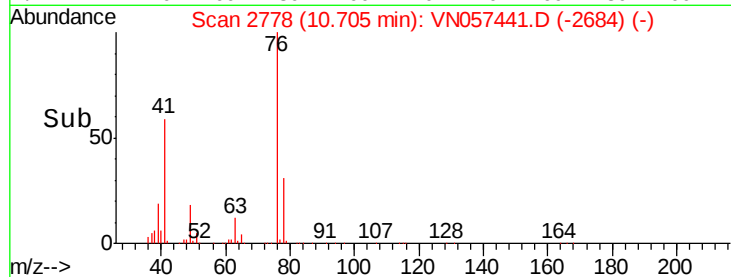
300000

200000

100000

0

Time--> 10.60 10.70



#58

2-Chloroethyl Vinyl ether

Concen: 652.706 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057441.D

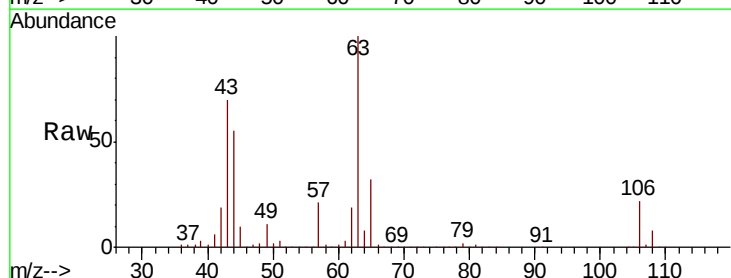
Acq: 22 Aug 2019 18:43

Tgt Ion: 63 Resp: 1240090

Ion Ratio Lower Upper

63 100

106 23.0 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

800000

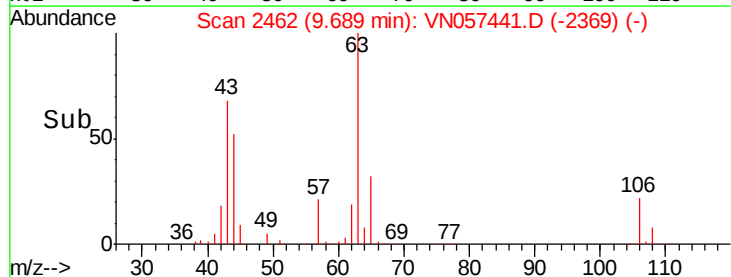
600000

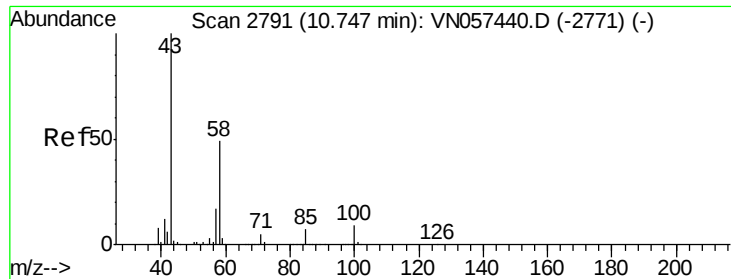
400000

200000

0

Time--> 9.60 9.70 9.80

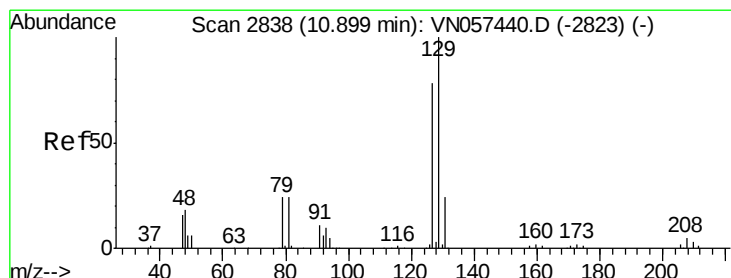
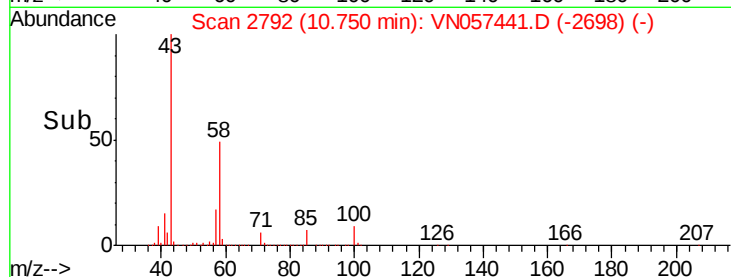
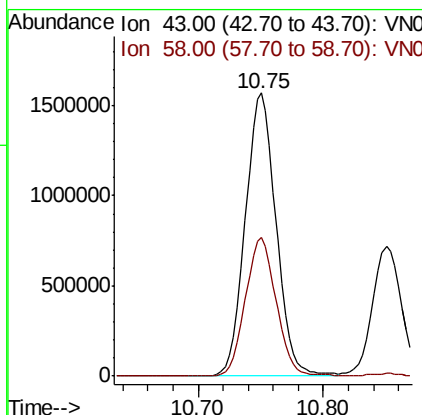
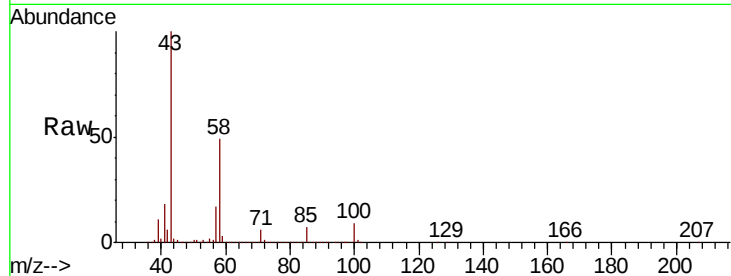




#59
2-Hexanone
Concen: 635.275 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

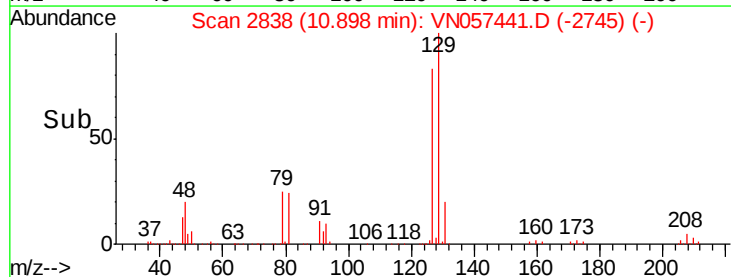
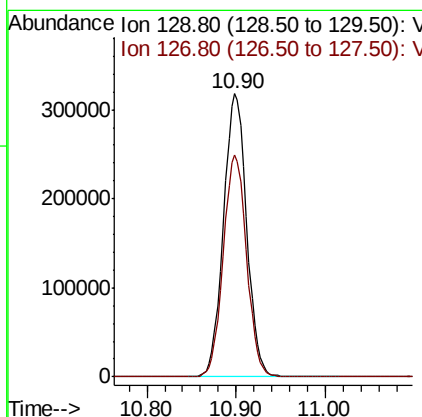
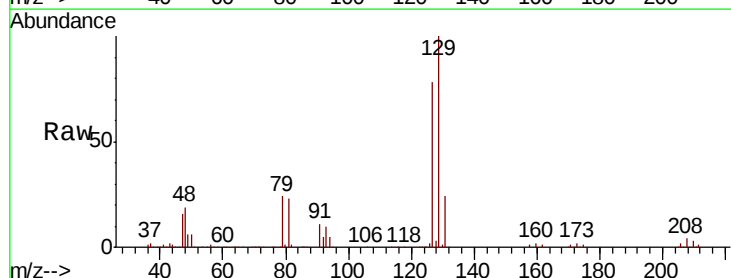
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

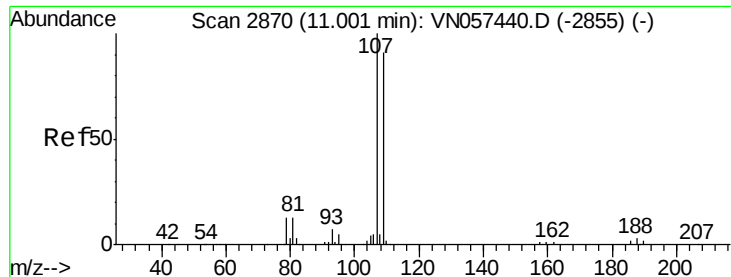
Tgt Ion: 43 Resp: 2677163
Ion Ratio Lower Upper
43 100
58 49.1 24.6 73.6



#60
Dibromochloromethane
Concen: 102.918 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 129 Resp: 570860
Ion Ratio Lower Upper
129 100
127 79.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 99.683 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

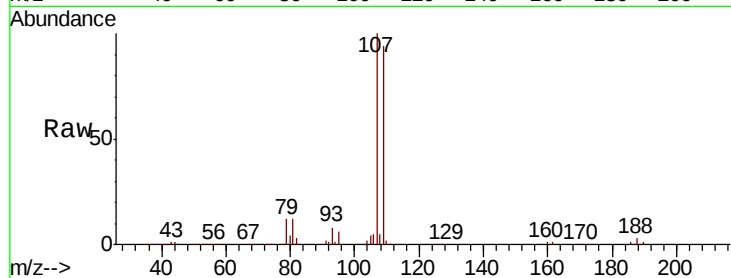
VSTDIC100

Tgt Ion: 107 Resp: 527241

Ion Ratio Lower Upper

107 100

109 93.7 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

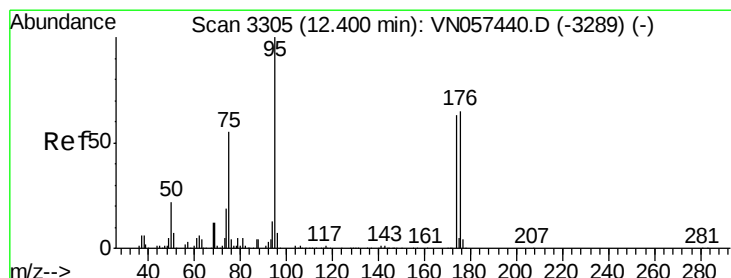
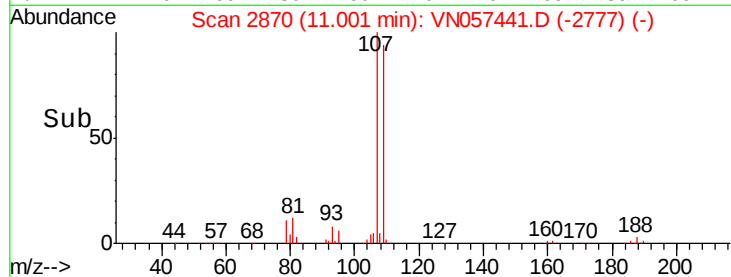
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 104.857 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

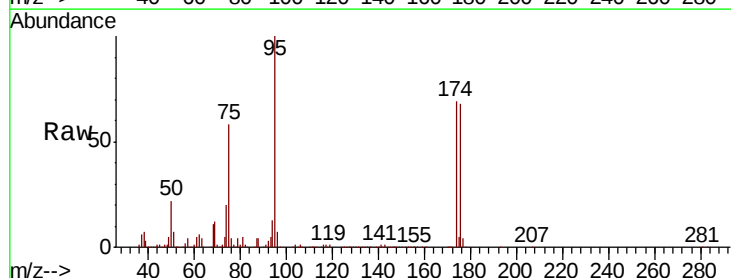
Tgt Ion: 95 Resp: 679363

Ion Ratio Lower Upper

95 100

174 68.1 0.0 133.0

176 66.6 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

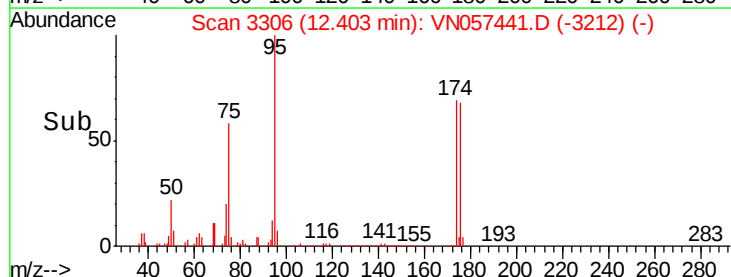
300000

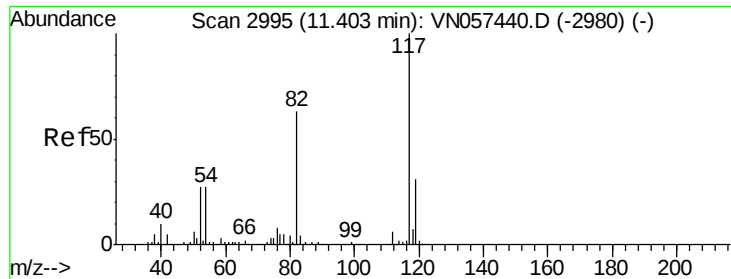
200000

100000

0

Time-->

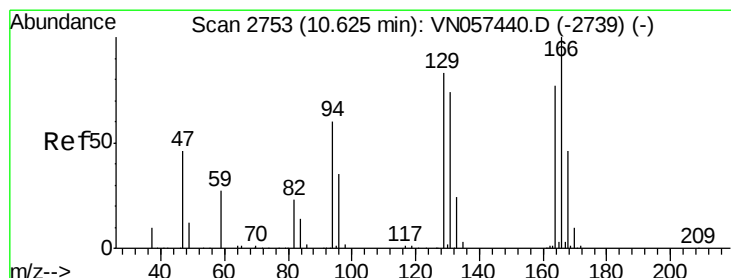
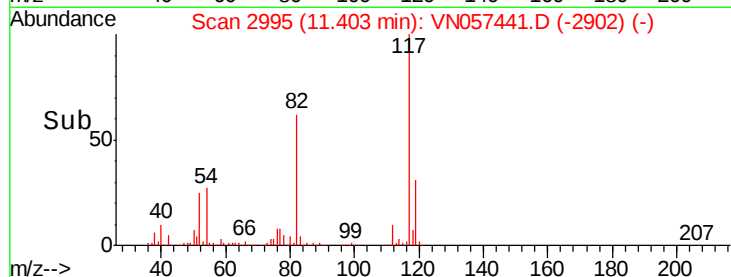
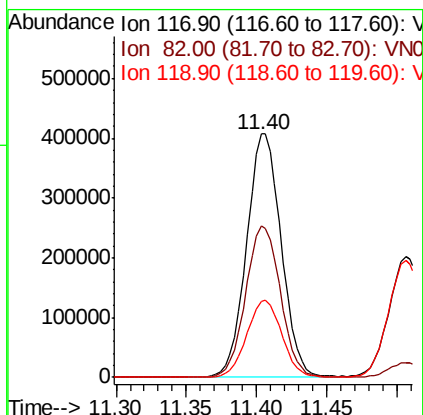
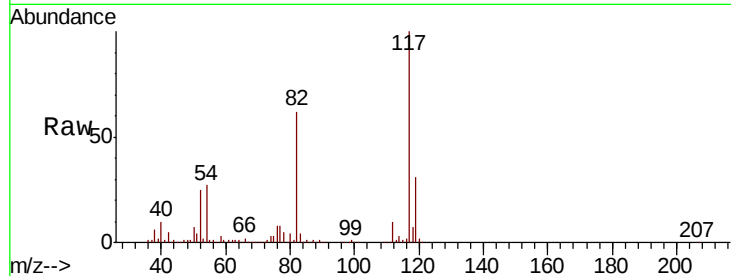




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

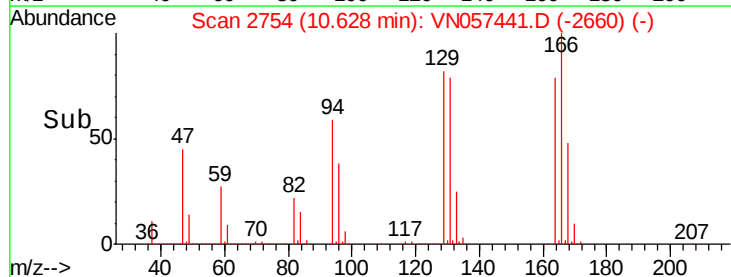
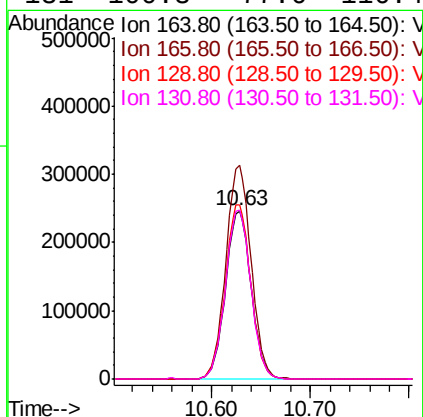
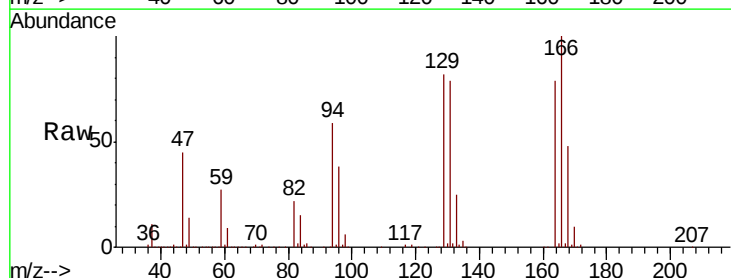
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

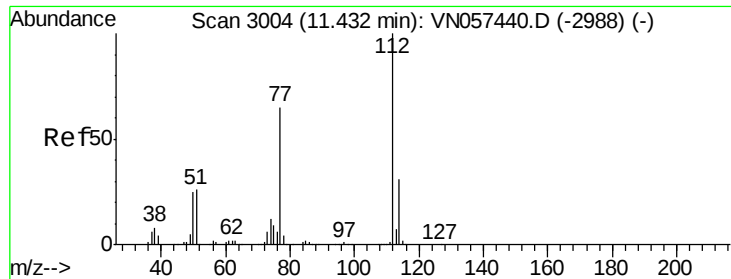
Tgt Ion:117 Resp: 701505
Ion Ratio Lower Upper
117 100
82 62.2 50.6 75.8
119 31.0 24.6 36.8



#64
Tetrachloroethene
Concen: 75.320 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion:164 Resp: 442643
Ion Ratio Lower Upper
164 100
166 127.0 104.4 156.6
129 103.7 86.6 130.0
131 100.3 77.6 116.4

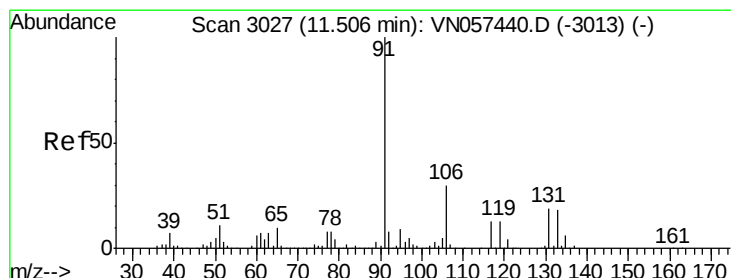
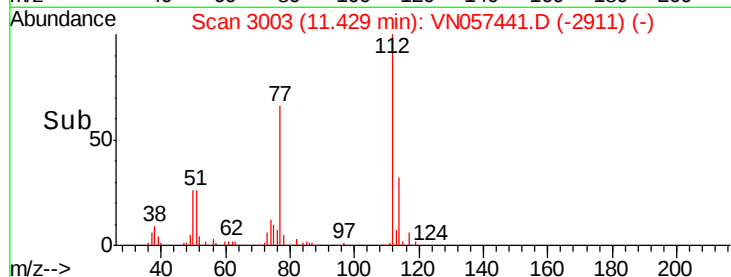
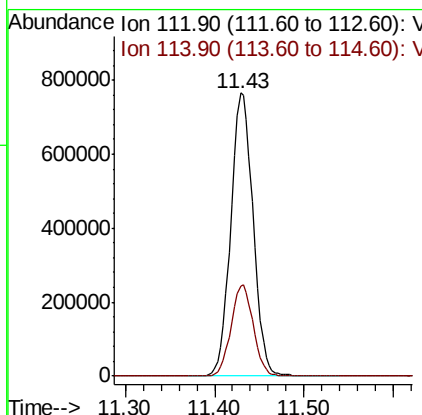
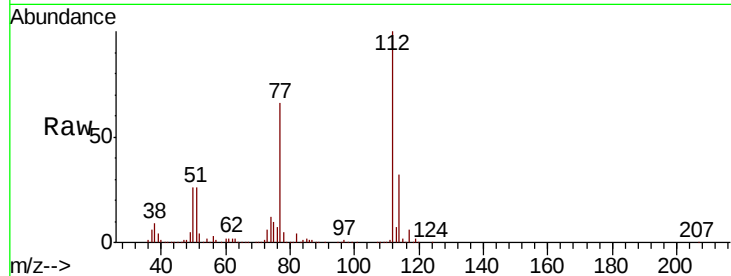




#65
Chlorobenzene
Concen: 93.282 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

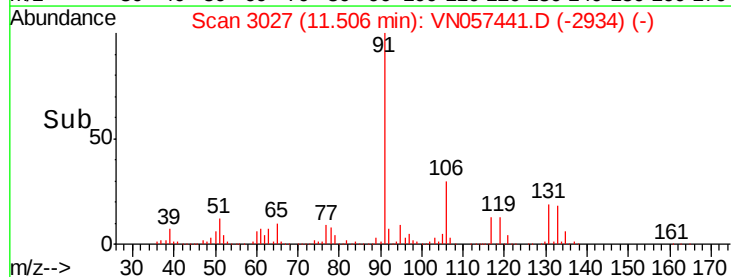
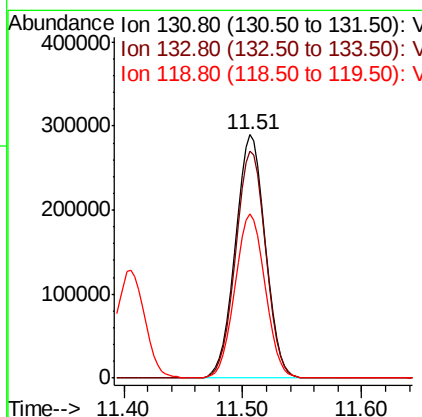
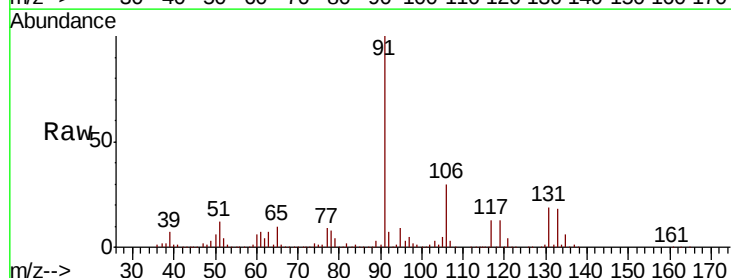
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

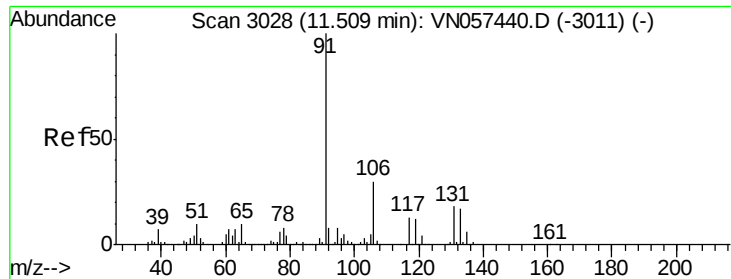
Tgt Ion:112 Resp: 1324112
Ion Ratio Lower Upper
112 100
114 32.0 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 92.945 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion:131 Resp: 504435
Ion Ratio Lower Upper
131 100
133 94.0 47.6 142.8
119 68.1 34.4 103.2

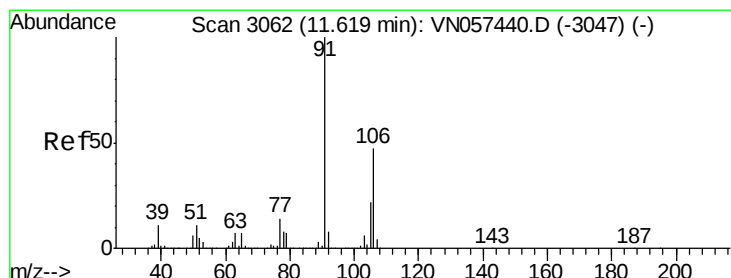
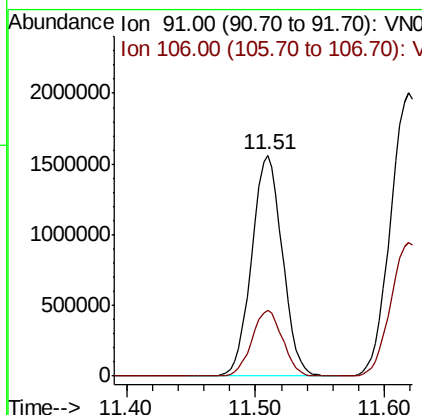
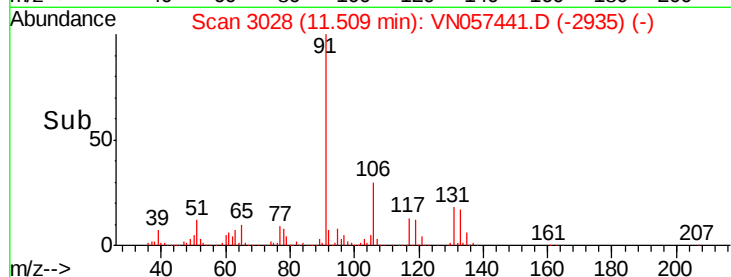
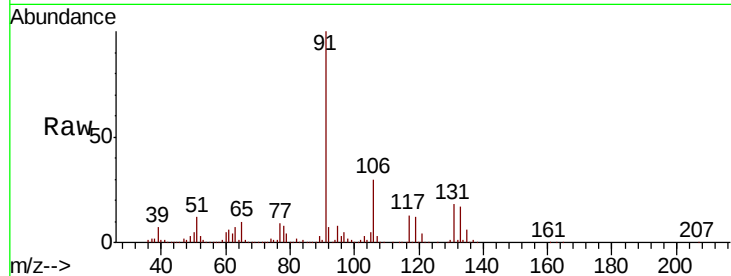




#67
Ethyl Benzene
Concen: 102.162 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

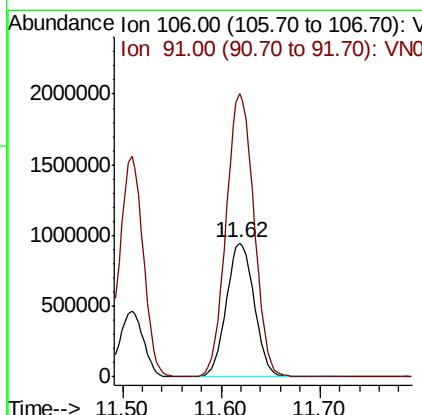
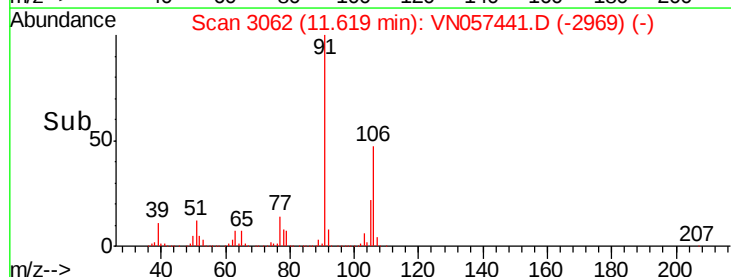
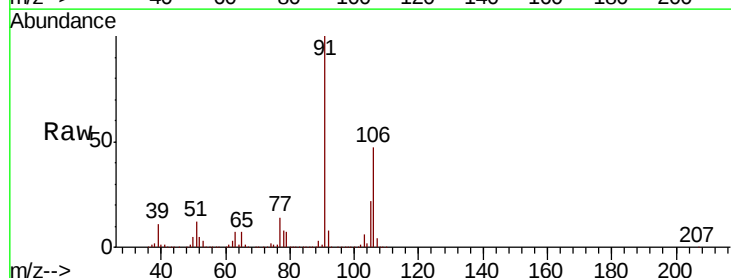
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

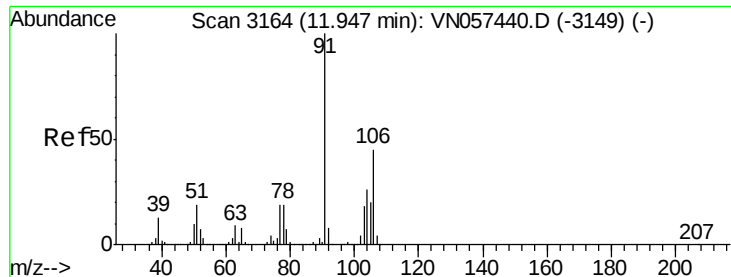
Tgt Ion: 91 Resp: 2590390
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1



#68
m/p-Xylenes
Concen: 202.588 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 106 Resp: 1869078
Ion Ratio Lower Upper
106 100
91 211.7 171.8 257.6

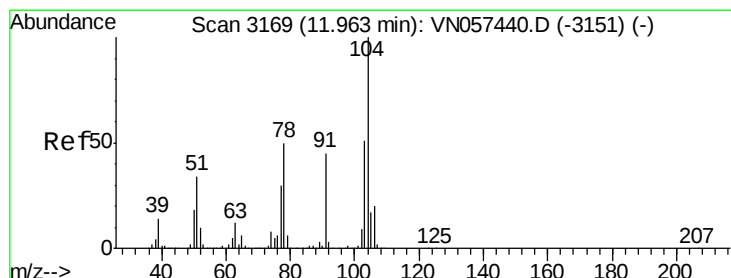
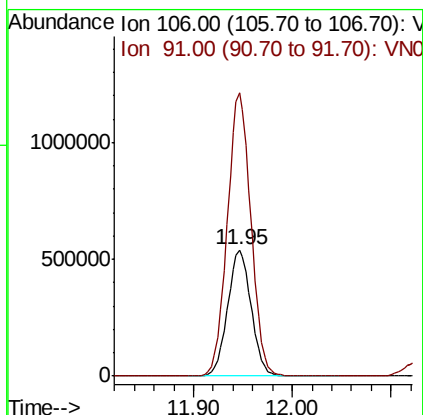
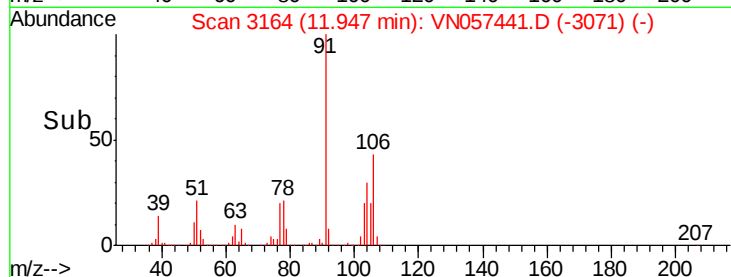
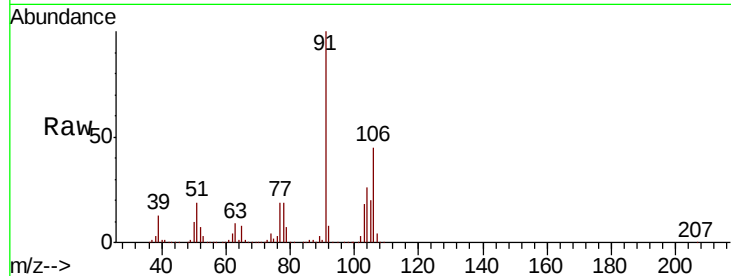




#69
o-Xylene
Concen: 99.274 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

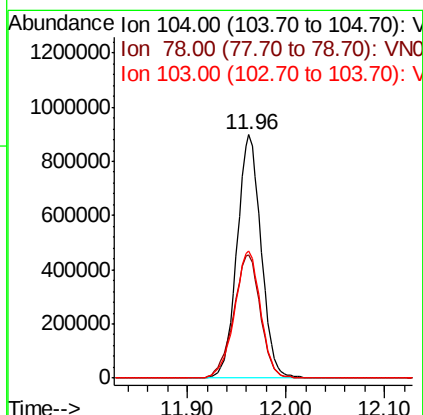
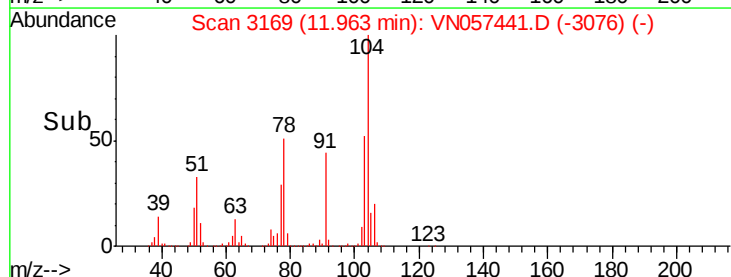
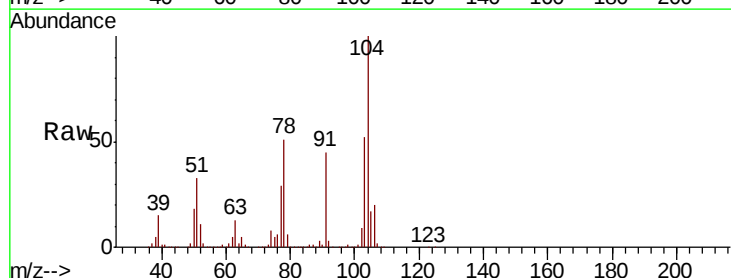
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

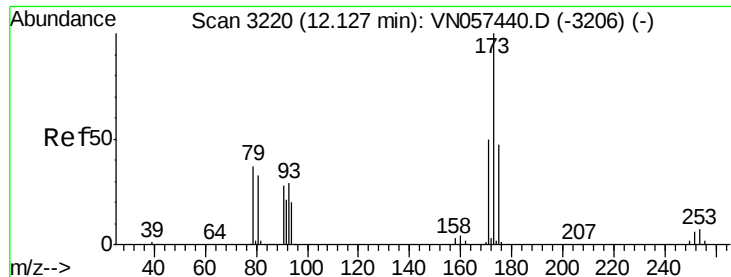
Tgt Ion:106 Resp: 900404
Ion Ratio Lower Upper
106 100
91 225.1 112.3 336.9



#70
Styrene
Concen: 105.070 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion:104 Resp: 1519576
Ion Ratio Lower Upper
104 100
78 56.5 44.7 67.1
103 56.5 44.4 66.6





#71

Bromoform

Concen: 85.875 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

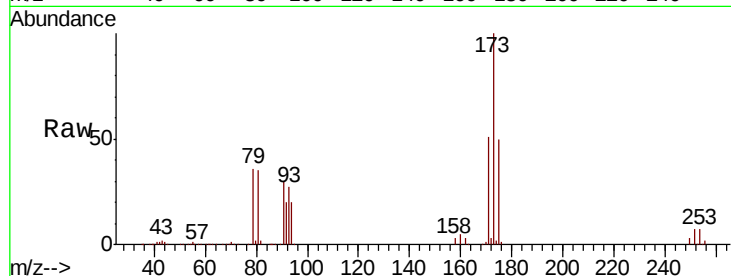
Tgt Ion:173 Resp: 359376

Ion Ratio Lower Upper

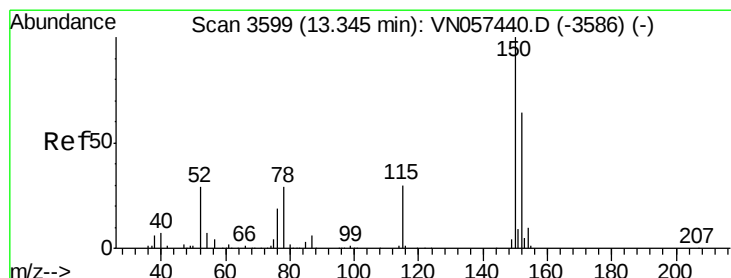
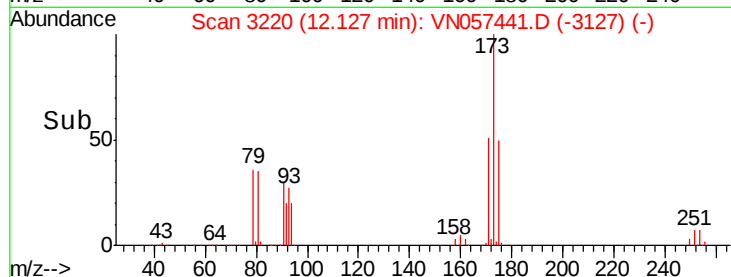
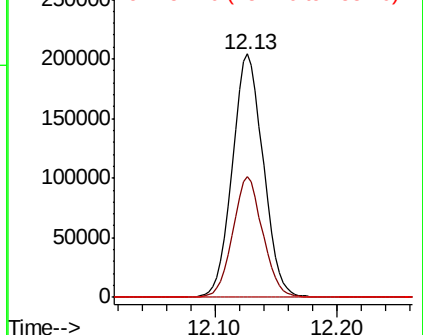
173 100

175 48.0 23.9 71.8

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

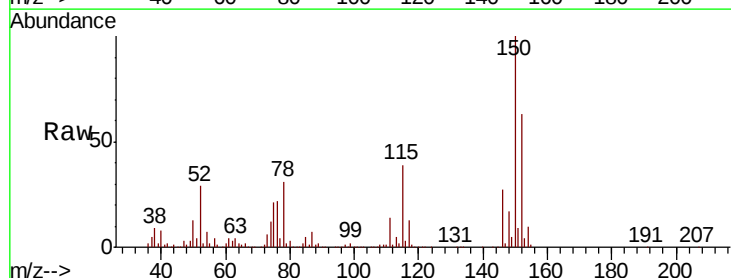
Tgt Ion:152 Resp: 279957

Ion Ratio Lower Upper

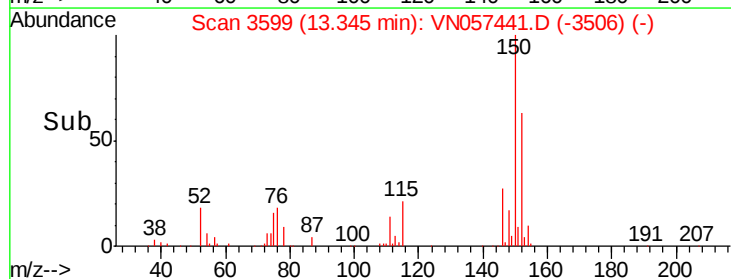
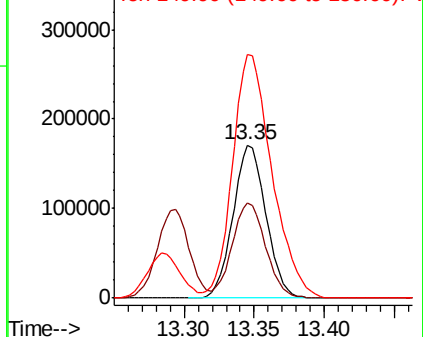
152 100

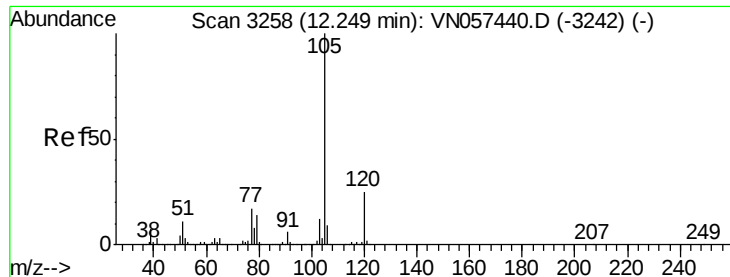
115 63.5 32.0 96.0

150 189.9 0.0 346.6



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: 89.028 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

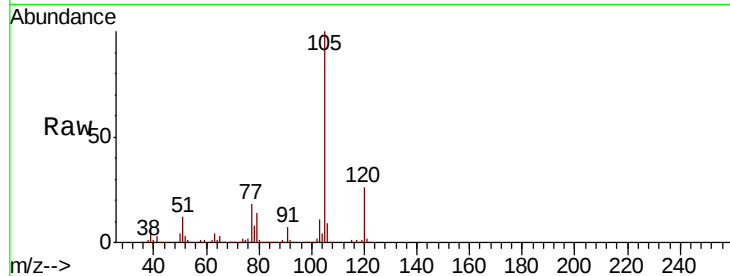
VSTDIC100

Tgt Ion:105 Resp: 2444263

Ion Ratio Lower Upper

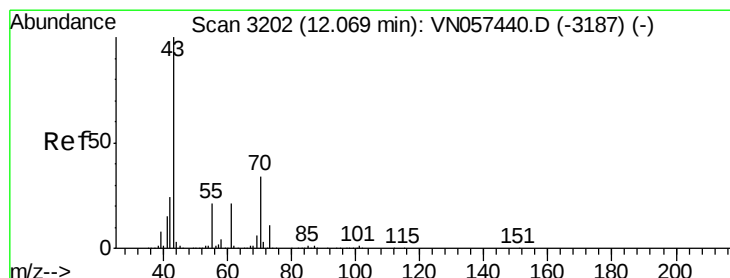
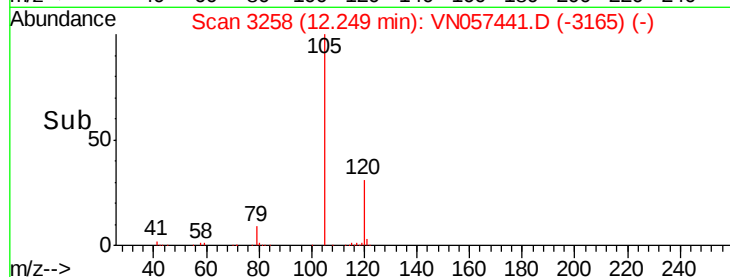
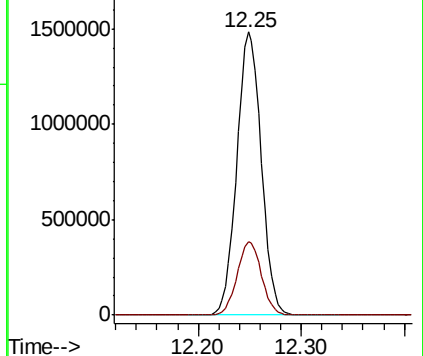
105 100

120 25.7 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 129.158 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Tgt Ion: 43 Resp: 1143906

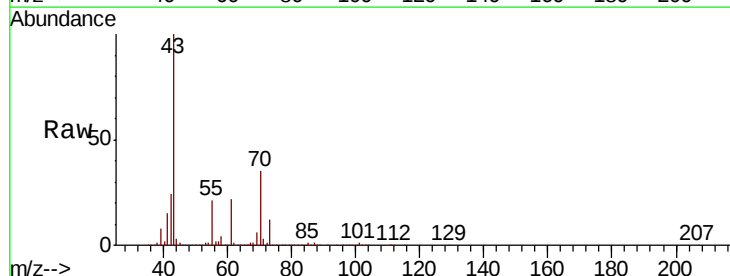
Ion Ratio Lower Upper

43 100

70 35.3 27.8 41.6

55 20.9 17.0 25.4

61 21.7 17.0 25.6

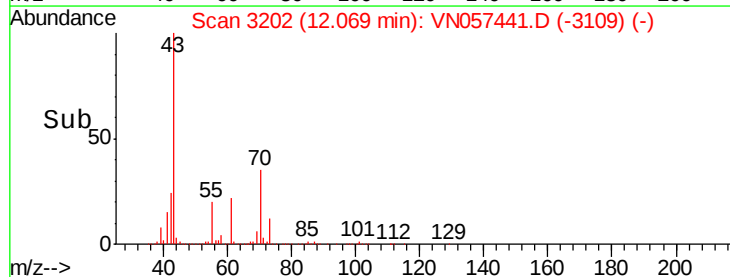
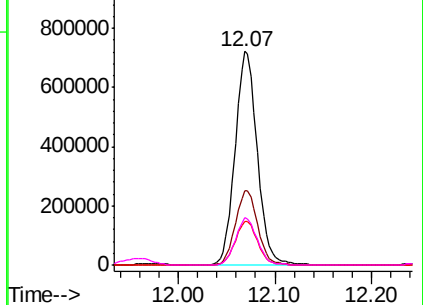


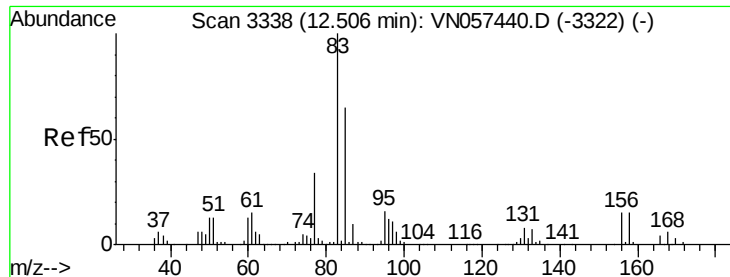
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 86.687 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

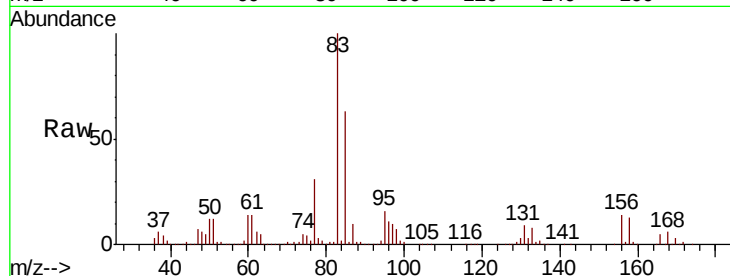
Tgt Ion: 83 Resp: 695946

Ion Ratio Lower Upper

83 100

131 8.8 4.3 13.1

85 64.1 32.3 96.8

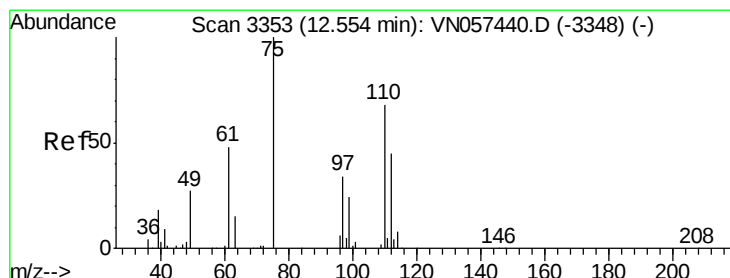
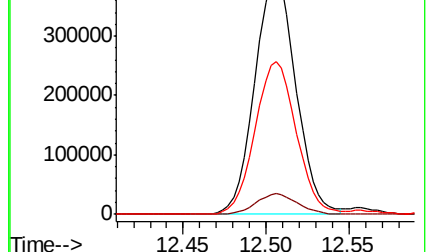
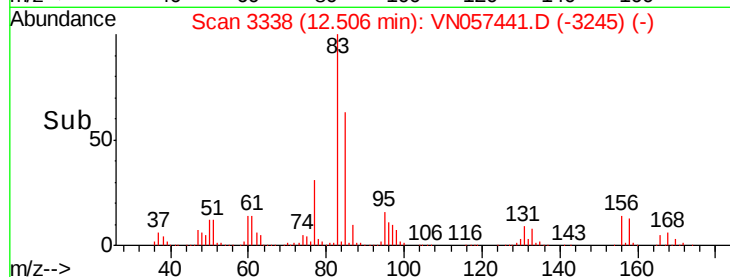


Abundance Ion 82.90 (82.60 to 83.60): VN057441.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN057441.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN057441.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 136.057 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057441.D

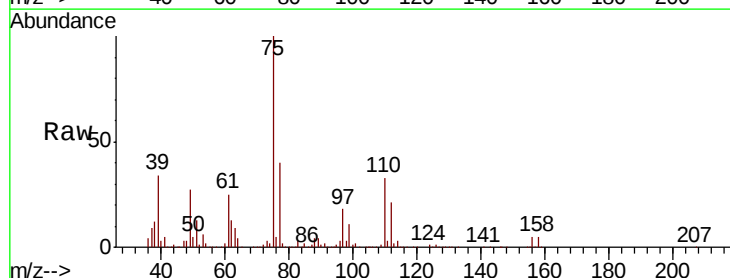
Acq: 22 Aug 2019 18:43

Tgt Ion: 75 Resp: 936708

Ion Ratio Lower Upper

75 100

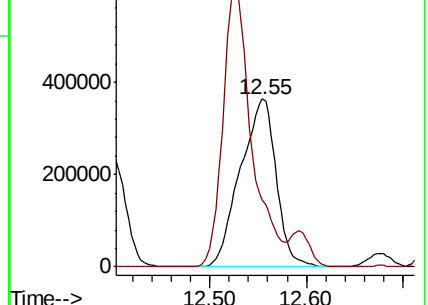
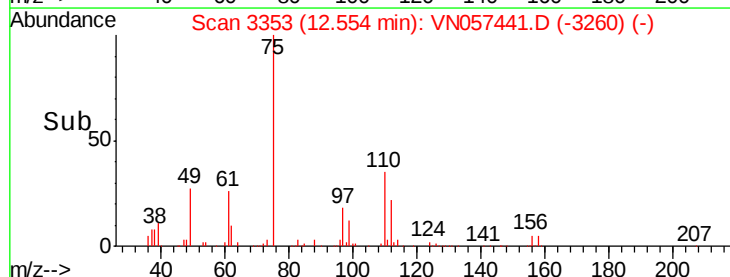
77 0.0 0.0 0.0

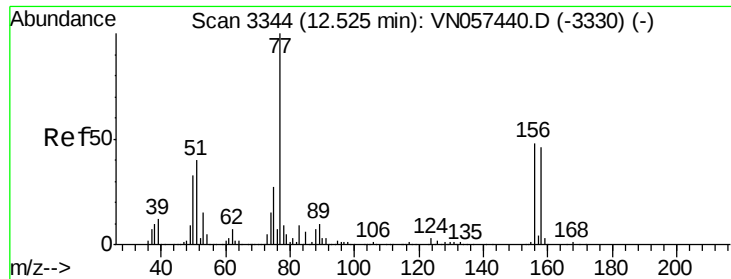


Abundance Ion 74.90 (74.60 to 75.60): VN057441.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057441.D (-3348) (-)

Time-->





#77

Bromobenzene

Concen: 72.772 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

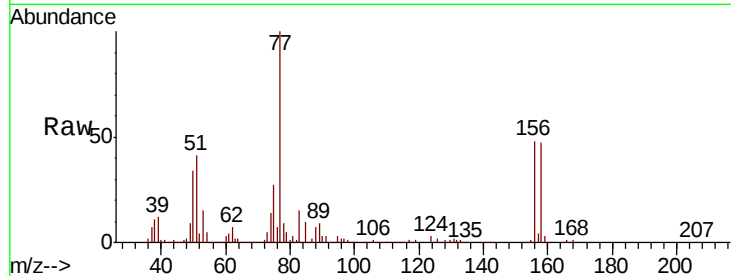
Tgt Ion:156 Resp: 504055

Ion Ratio Lower Upper

156 100

77 248.5 124.4 373.3

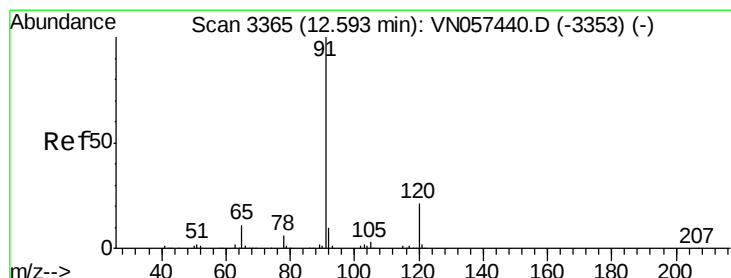
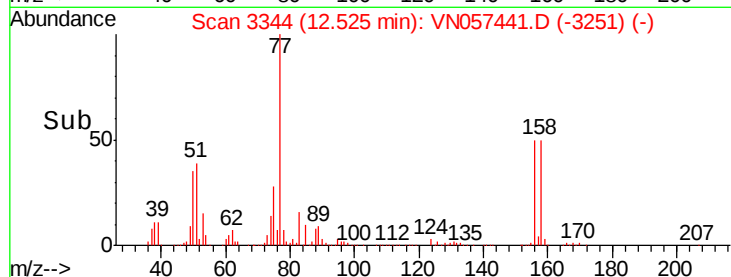
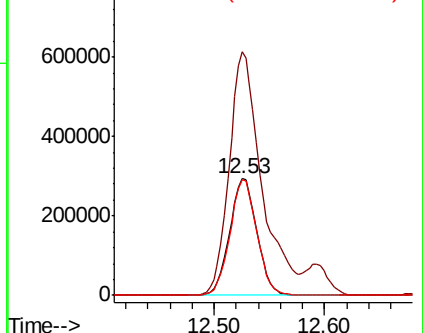
158 97.6 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 102.507 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057441.D

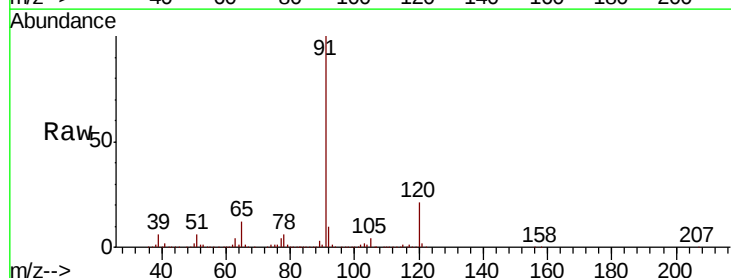
Acq: 22 Aug 2019 18:43

Tgt Ion: 91 Resp: 2834592

Ion Ratio Lower Upper

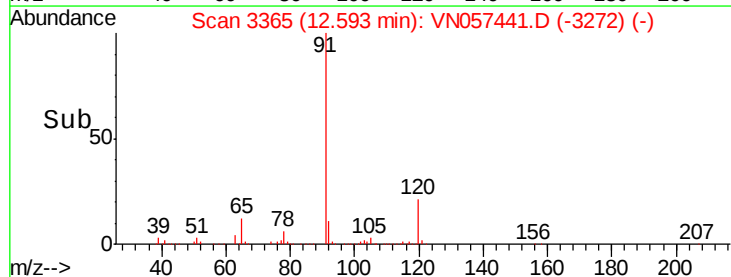
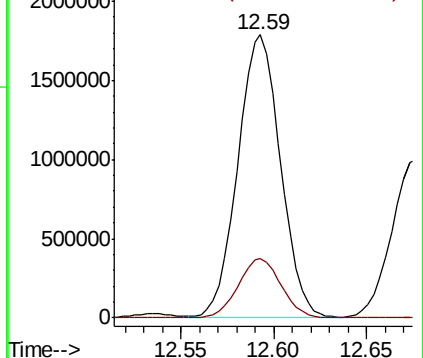
91 100

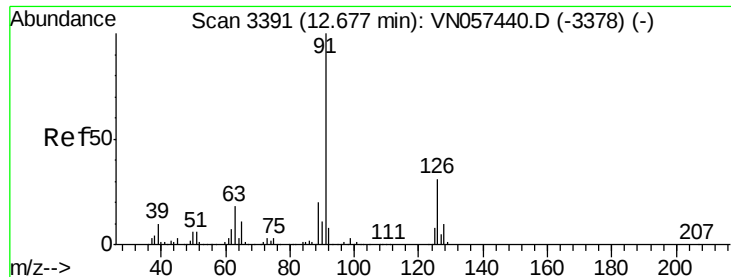
120 21.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.154 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

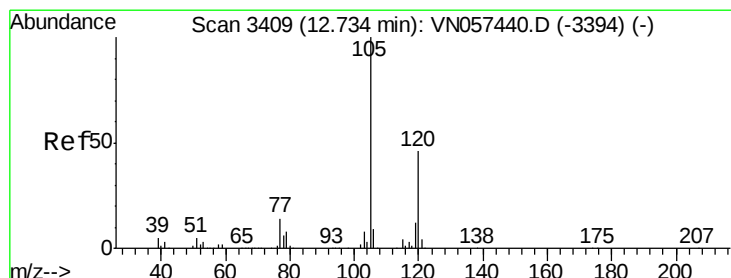
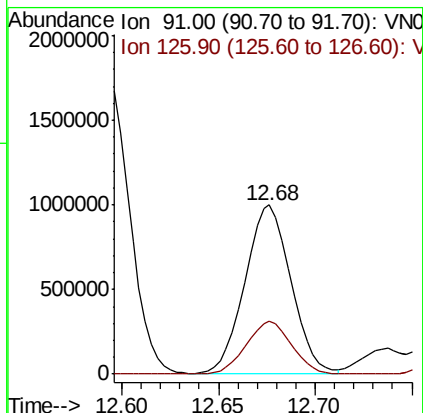
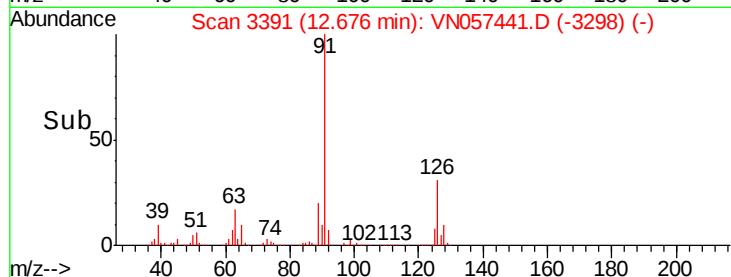
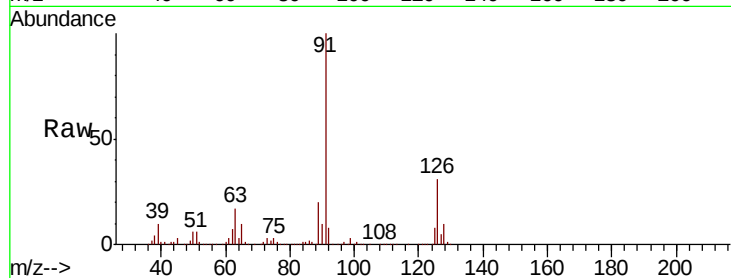
VSTDIC100

Tgt Ion: 91 Resp: 1644775

Ion Ratio Lower Upper

91 100

126 31.1 15.3 45.8



#80

1,3,5-Trimethylbenzene

Concen: 91.333 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057441.D

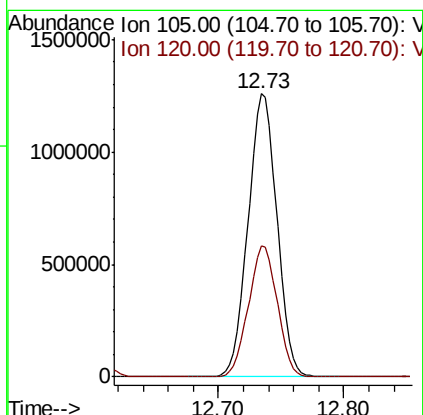
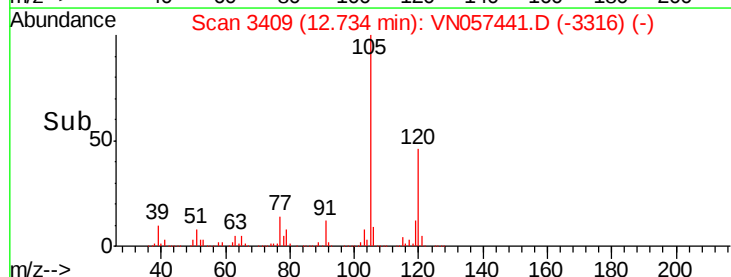
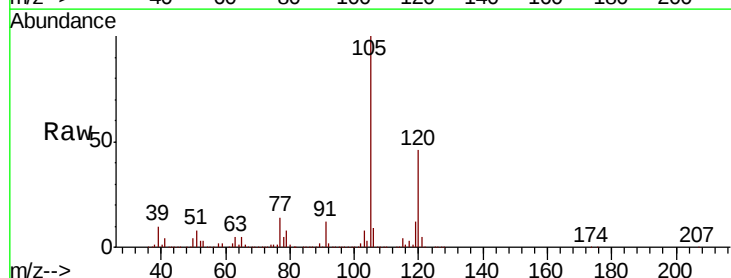
Acq: 22 Aug 2019 18:43

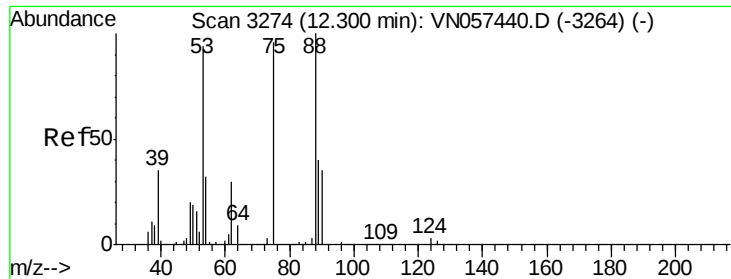
Tgt Ion: 105 Resp: 2017033

Ion Ratio Lower Upper

105 100

120 46.4 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 103.898 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

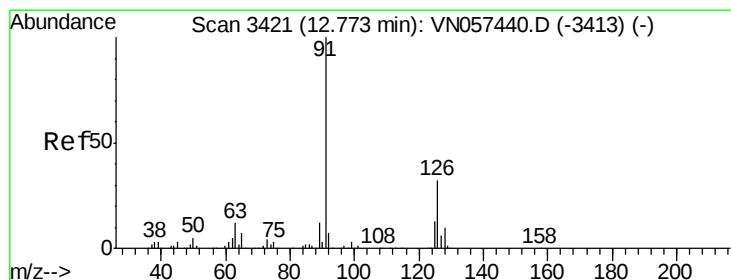
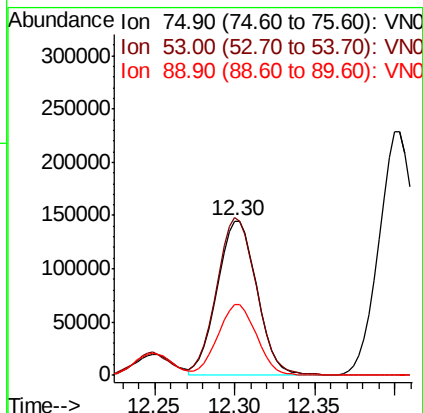
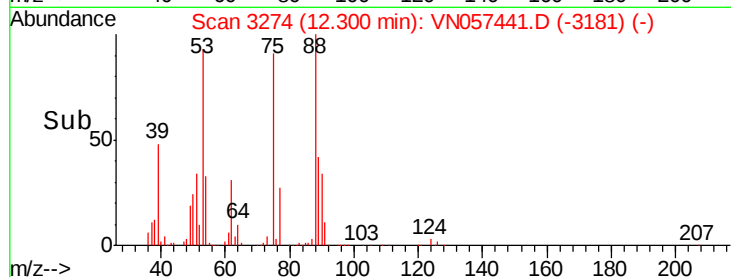
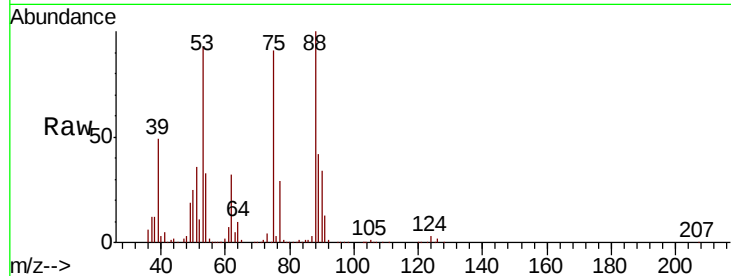
Tgt Ion: 75 Resp: 244278

Ion Ratio Lower Upper

75 100

53 103.4 82.7 124.1

89 45.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 101.765 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057441.D

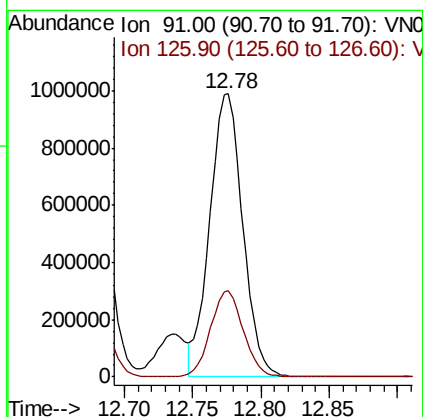
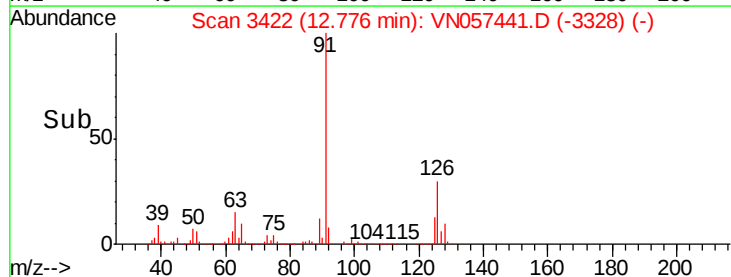
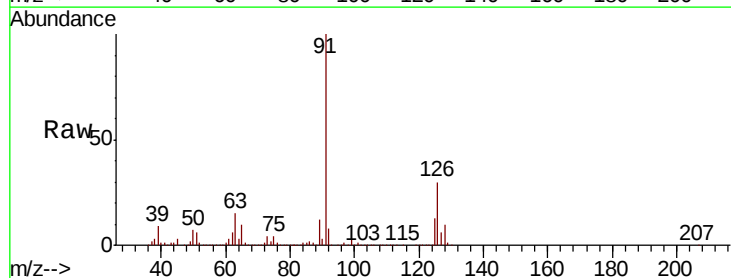
Acq: 22 Aug 2019 18:43

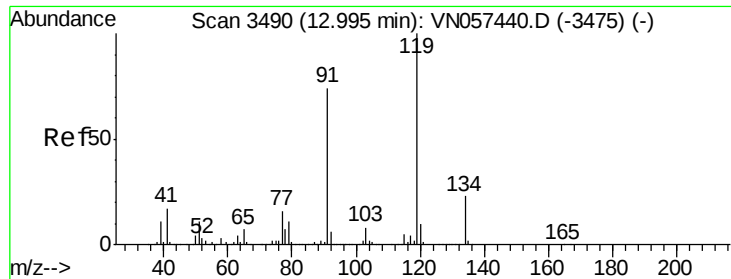
Tgt Ion: 91 Resp: 1660430

Ion Ratio Lower Upper

91 100

126 30.2 15.0 45.0

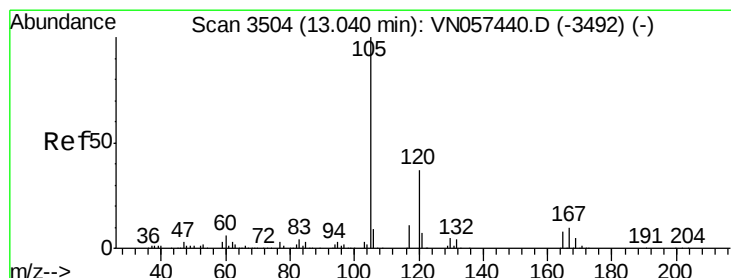
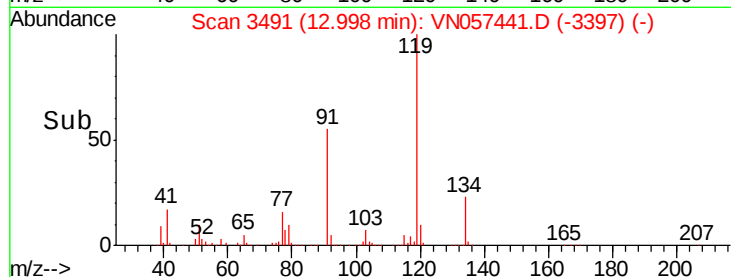
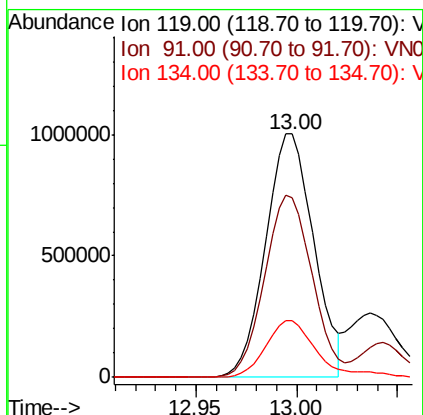
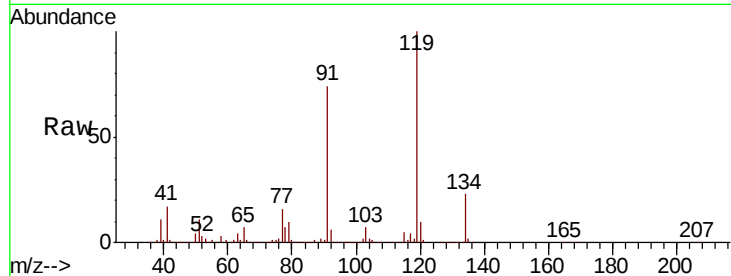




#83
 tert-Butylbenzene
 Concen: 81.818 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

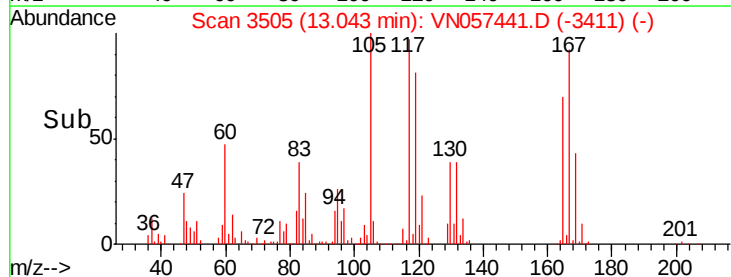
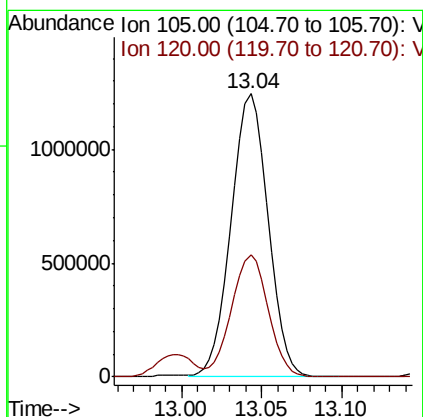
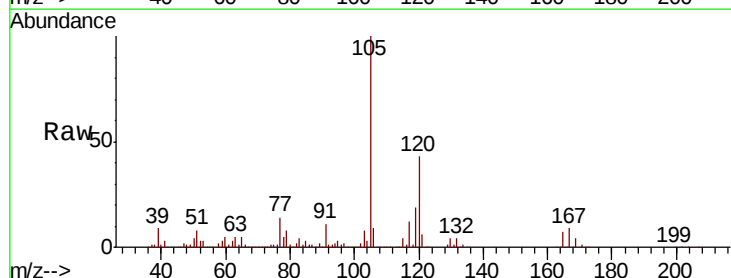
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

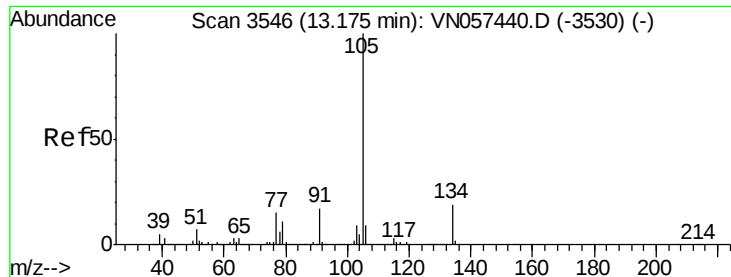
Tgt Ion:119 Resp: 1662219
 Ion Ratio Lower Upper
 119 100
 91 74.0 37.0 111.0
 134 24.8 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 95.424 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion:105 Resp: 1956697
 Ion Ratio Lower Upper
 105 100
 120 42.8 21.9 65.7

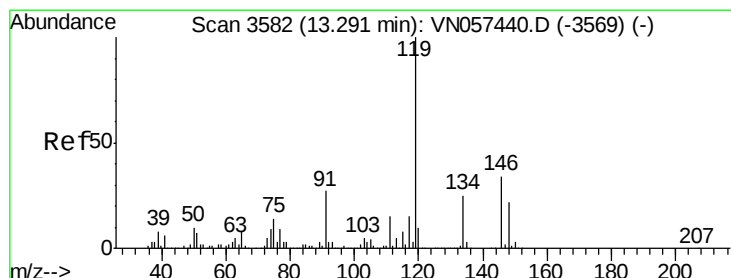
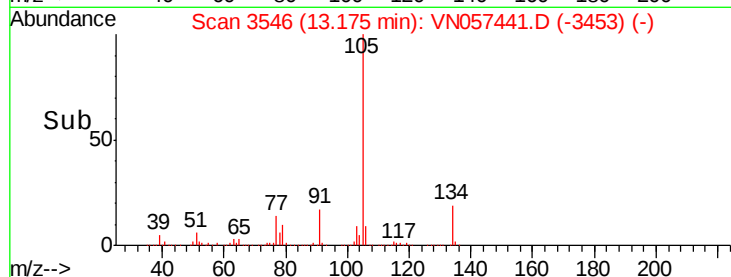
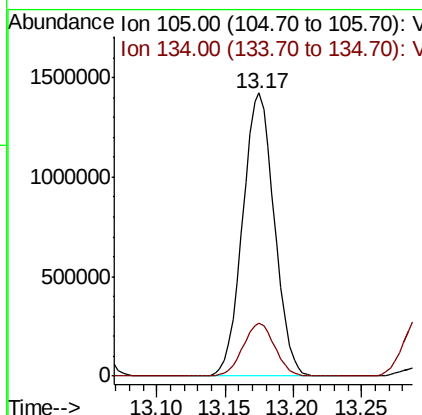
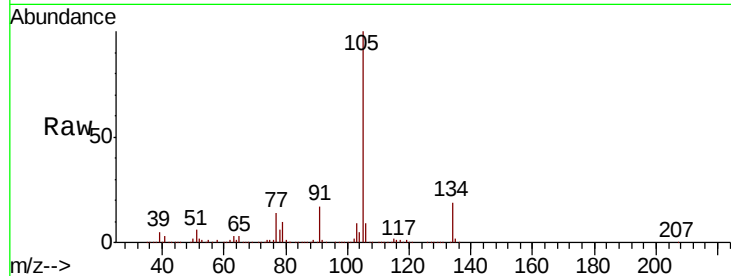




#85
 sec-Butylbenzene
 Concen: 92.978 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

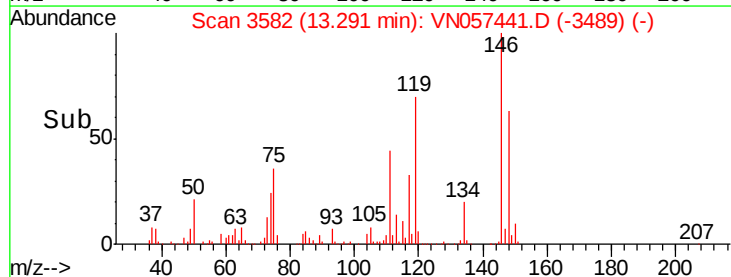
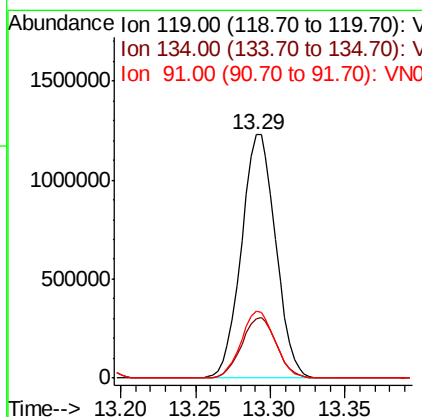
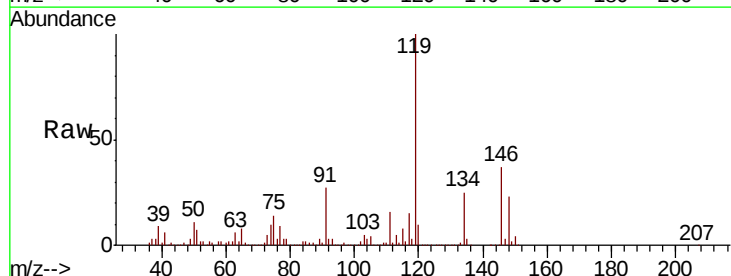
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

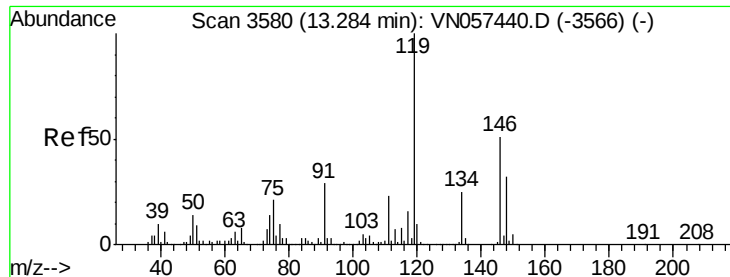
Tgt Ion:105 Resp: 2284271
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 93.928 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion:119 Resp: 1958751
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.7 38.1
 91 26.9 13.9 41.6

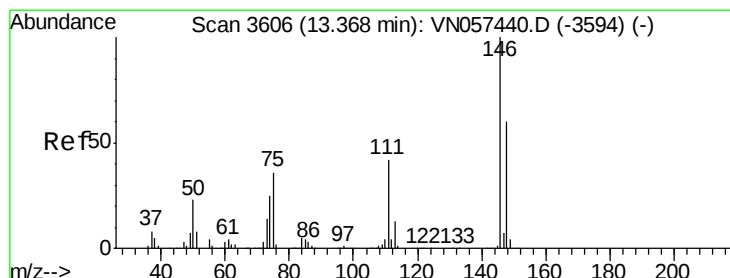
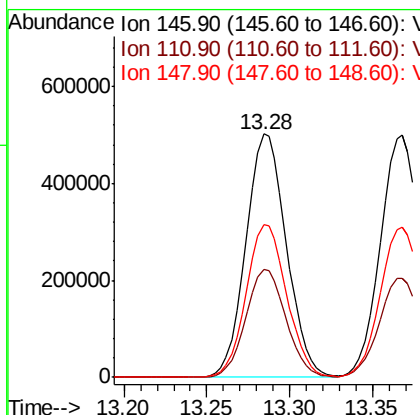
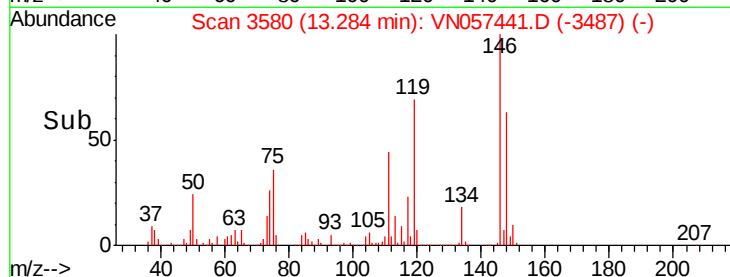
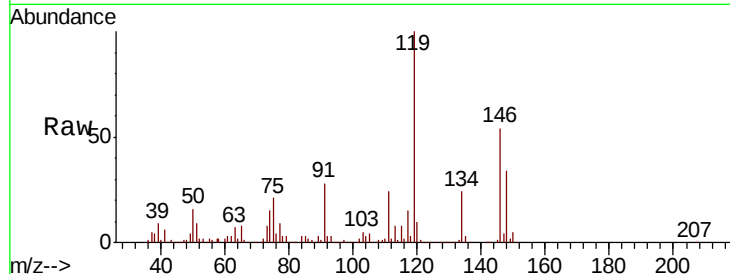




#87
 1,3-Dichlorobenzene
 Concen: 88.135 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

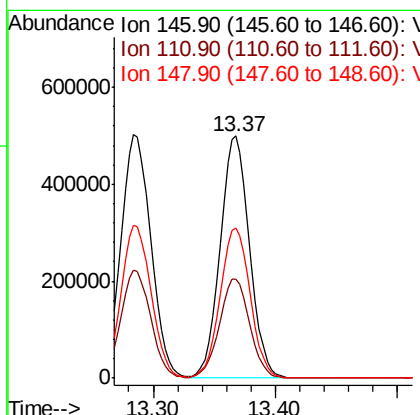
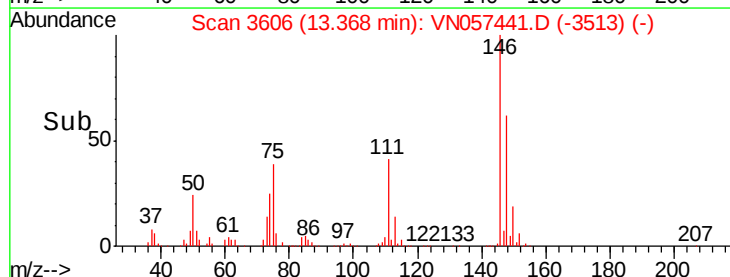
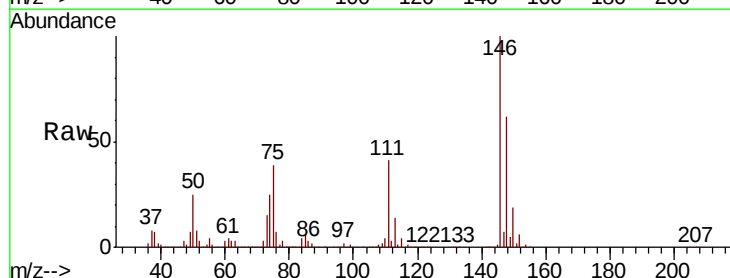
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

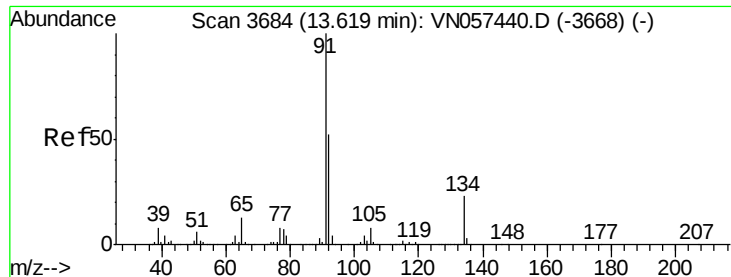
Tgt Ion:146 Resp: 850770
 Ion Ratio Lower Upper
 146 100
 111 43.8 22.1 66.1
 148 62.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 91.213 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion:146 Resp: 842158
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.9 65.5
 148 63.6 31.1 93.2

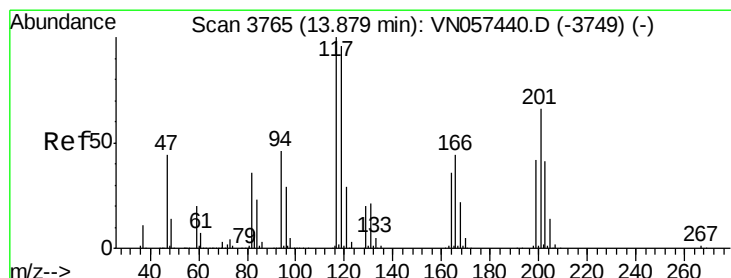
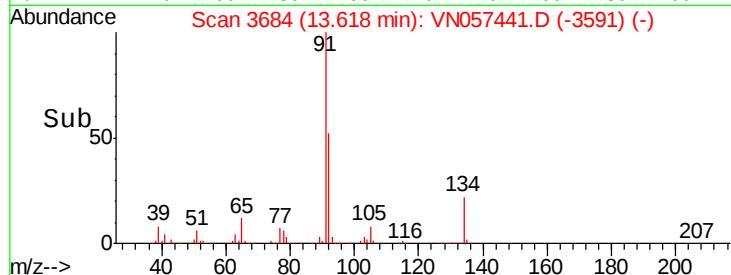
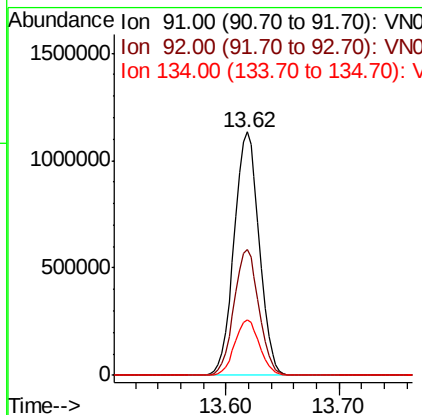
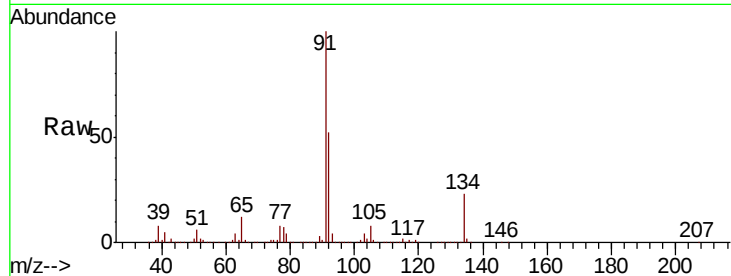




#89
n-Butylbenzene
Concen: 113.761 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

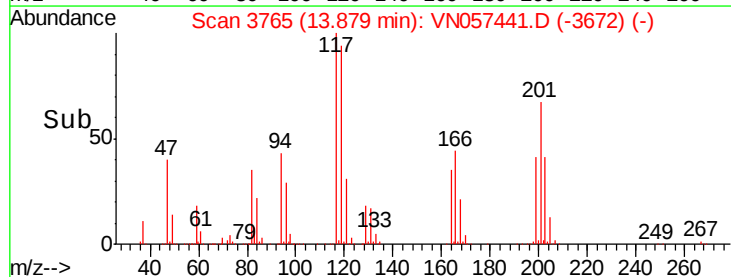
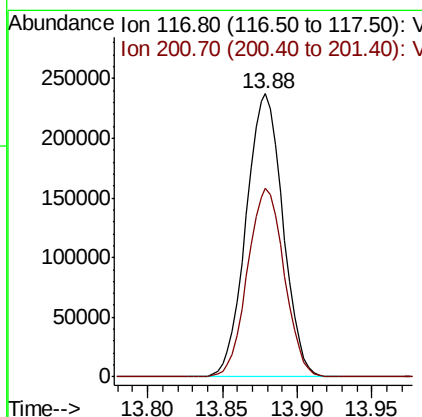
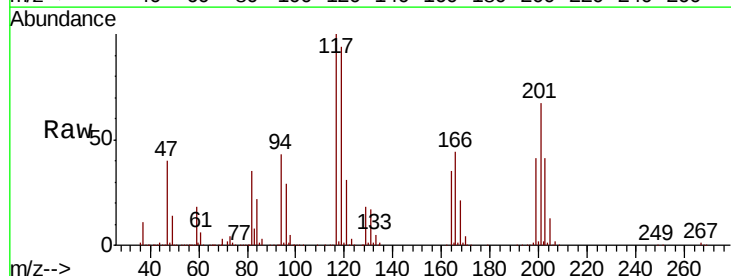
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

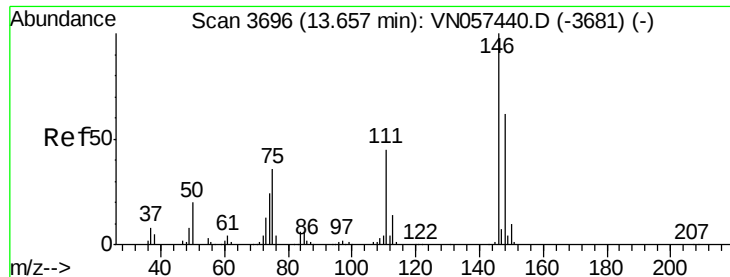
Tgt Ion: 91 Resp: 1744979
Ion Ratio Lower Upper
91 100
92 51.4 25.7 77.0
134 22.6 11.4 34.1



#90
Hexachloroethane
Concen: 93.236 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN057441.D
Acq: 22 Aug 2019 18:43

Tgt Ion: 117 Resp: 405989
Ion Ratio Lower Upper
117 100
201 66.4 33.1 99.3

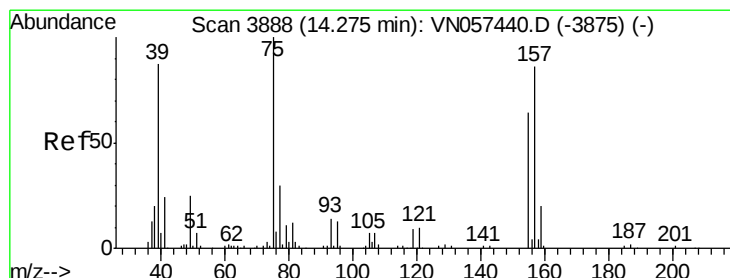
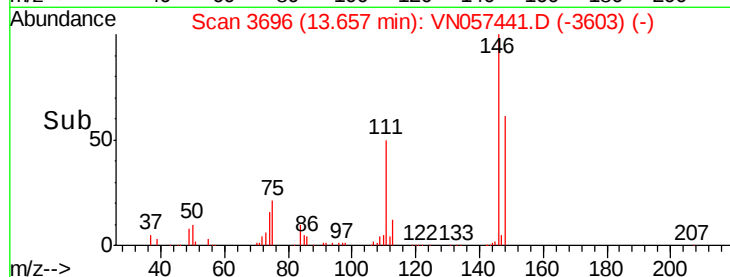
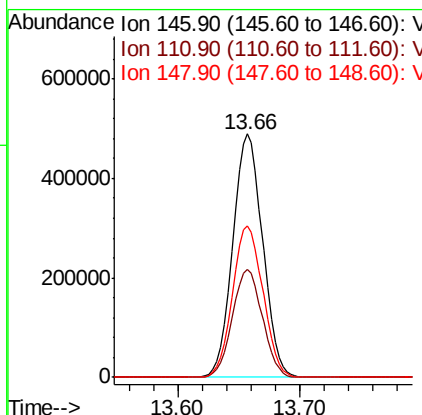
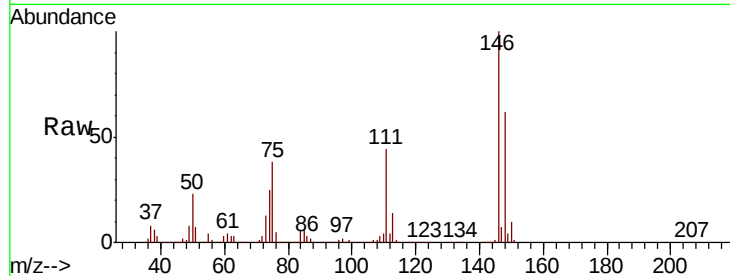




#91
 1,2-Dichlorobenzene
 Concen: 92.062 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

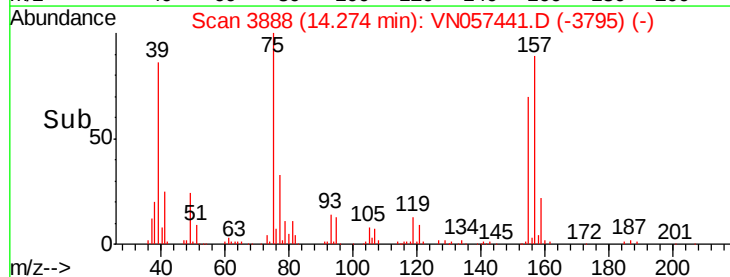
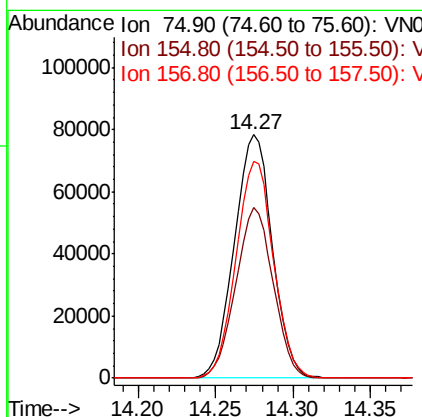
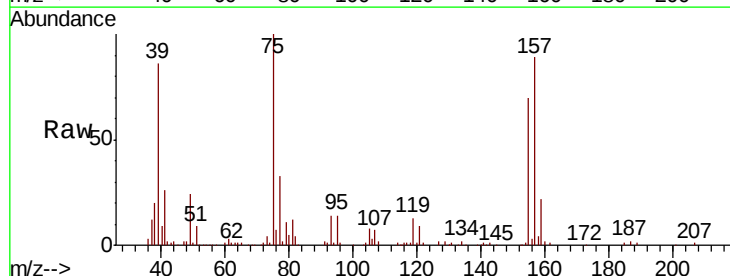
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

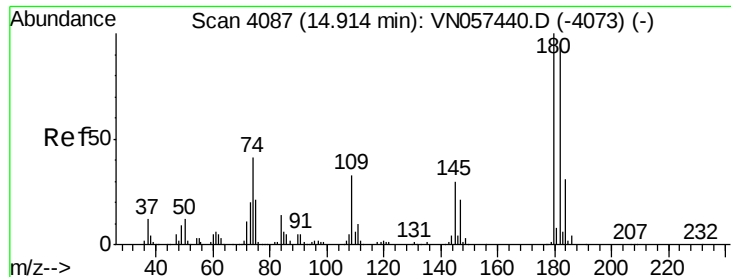
Tgt Ion:146 Resp: 830917
 Ion Ratio Lower Upper
 146 100
 111 44.7 23.1 69.2
 148 63.3 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 126.298 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion: 75 Resp: 133556
 Ion Ratio Lower Upper
 75 100
 155 69.1 31.6 94.7
 157 88.0 43.3 129.8

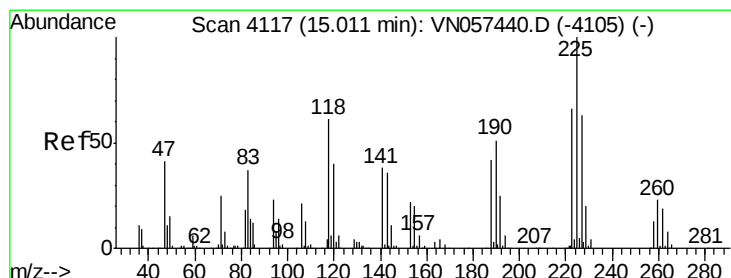
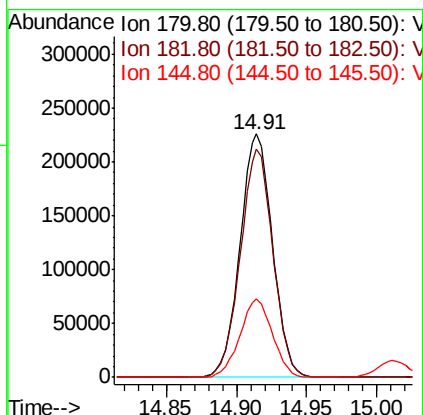
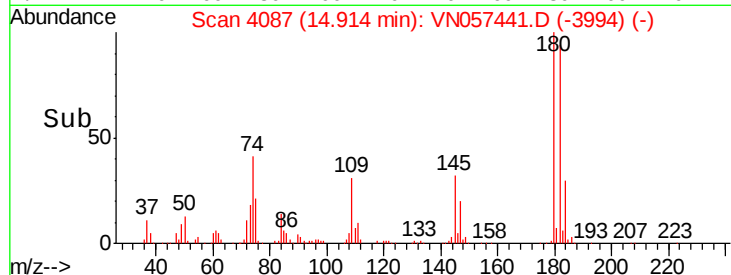
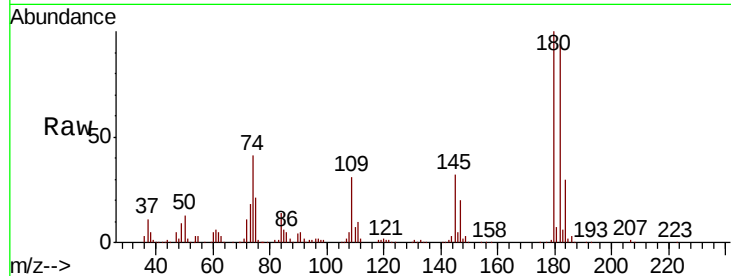




#93
 1,2,4-Trichlorobenzene
 Concen: 120.687 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

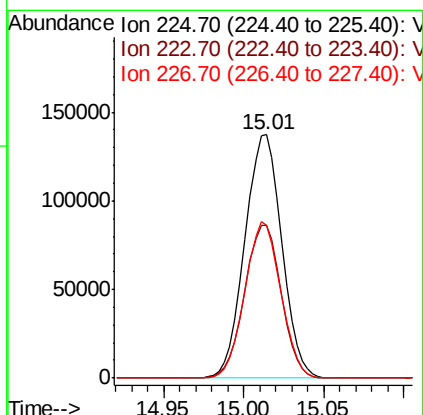
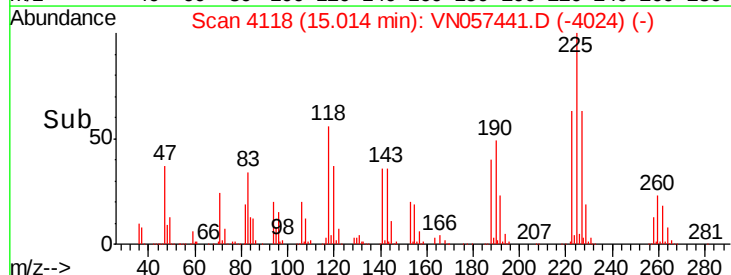
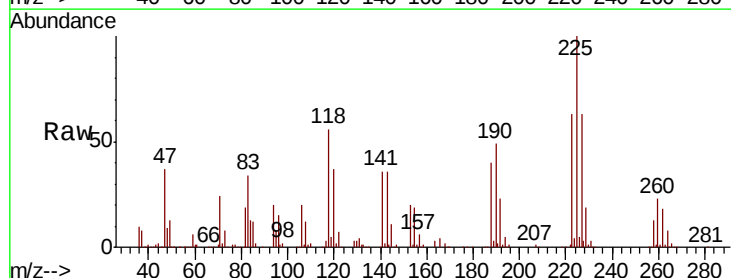
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

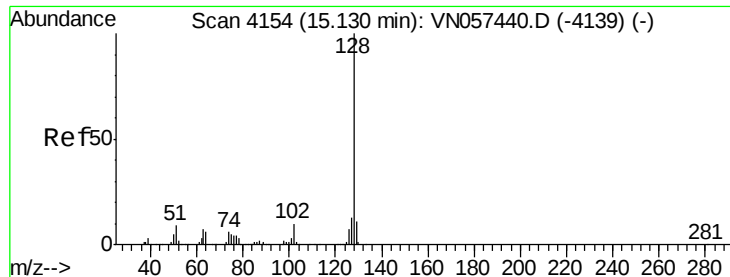
Tgt Ion:180 Resp: 363469
 Ion Ratio Lower Upper
 180 100
 182 94.1 46.7 140.1
 145 32.4 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 54.214 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057441.D
 Acq: 22 Aug 2019 18:43

Tgt Ion:225 Resp: 215969
 Ion Ratio Lower Upper
 225 100
 223 62.4 32.0 96.2
 227 62.3 31.5 94.5





#95

Naphthalene

Concen: 165.836 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

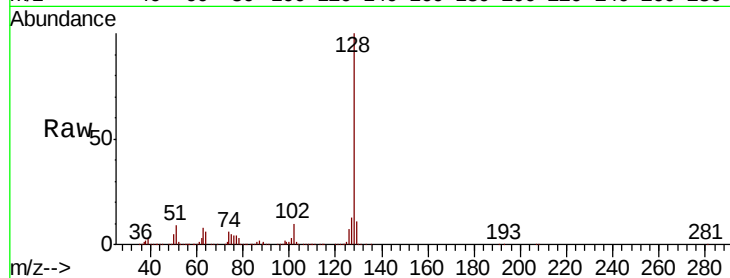
Tgt Ion:128 Resp: 1163394

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

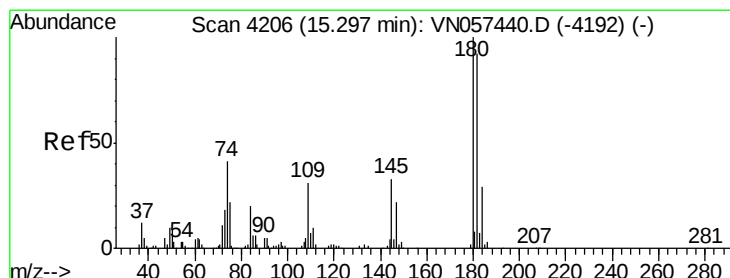
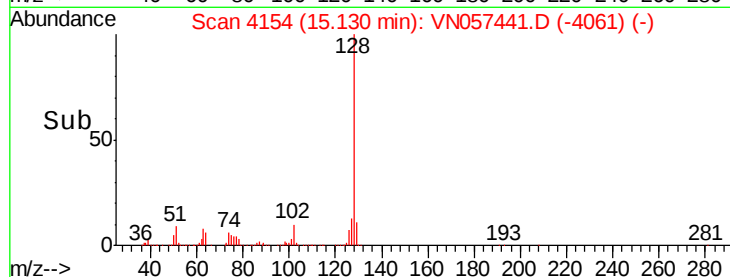
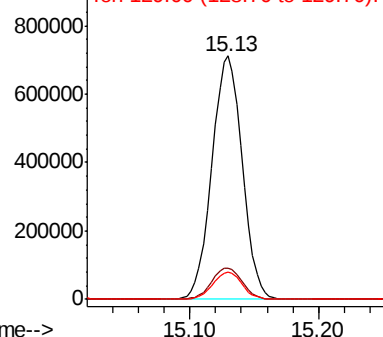
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 125.548 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057441.D

Acq: 22 Aug 2019 18:43

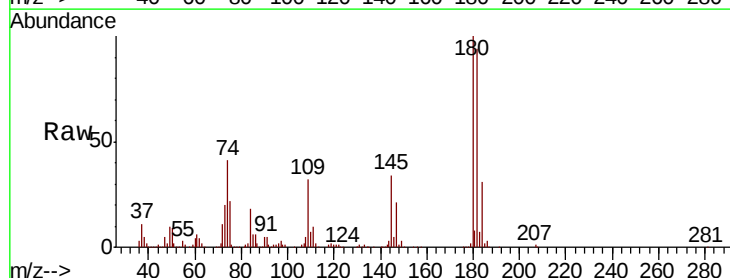
Tgt Ion:180 Resp: 363461

Ion Ratio Lower Upper

180 100

182 94.9 46.7 140.1

145 34.0 16.8 50.3



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

