

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081719\
 Data File : VN057350.D
 Acq On : 16 Aug 2019 12:41
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 17 03:23:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:42:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	142484	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	786726	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	720791	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	278489	30.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.33%
60) 4-Bromofluorobenzene	12.40	95	337663	31.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.03%
63) Toluene-d8	10.09	98	949563	29.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.37%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	753994	102.445 ug/l	98
3) Chloromethane	2.05	50	839643	98.924 ug/l	100
4) Vinyl Chloride	2.18	62	815152	100.384 ug/l	98
5) Bromomethane	2.53	94	598802	94.769 ug/l	95
6) Chloroethane	2.68	64	546666	98.277 ug/l	100
7) Trichlorofluoromethane	3.01	101	1287201	98.907 ug/l	97
8) Diethyl Ether	3.40	74	480087	100.238 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.75	101	744192	96.030 ug/l	95
10) 1,1-Dichloroethene	3.73	96	751902	97.832 ug/l	94
11) Methyl Iodide	3.95	142	1324979	102.234 ug/l	99
12) Methyl Acetate	4.31	43	794549	91.953 ug/l	98
13) Acrolein	3.60	56	402535	492.638 ug/l	99
14) Acrylonitrile	4.97	53	1769813	505.618 ug/l	100
15) Acetone	3.80	58	491406	476.422 ug/l	99
16) Carbon Disulfide	4.05	76	2113252	100.589 ug/l	99
17) Allyl chloride	4.31	41	1053870	93.880 ug/l	95
18) Methylene Chloride	4.54	84	861542	97.941 ug/l	94
19) trans-1,2-Dichloroethene	5.03	96	806062	96.852 ug/l	97
20) Diisopropyl ether	5.93	45	2264057	96.855 ug/l	96
21) 1,1-Dichloroethane	5.84	63	1420938	98.379 ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	934519	96.899 ug/l	98
23) tert-Butyl Alcohol	4.76	59	639385	512.571 ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	2330543	98.812 ug/l	99
25) Chloroform	7.36	83	1463836	96.966 ug/l	98
26) Cyclohexane	7.64	56	1188440	98.987 ug/l #	95
29) 1,1-Dichloropropene	7.79	75	1109057	96.911 ug/l	98
30) 2-Butanone	6.82	43	2208966	489.233 ug/l	96
31) 2,2-Dichloropropane	6.81	77	1218730	97.214 ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	1325101	97.945 ug/l	97
33) Carbon Tetrachloride	7.77	117	1186055	98.455 ug/l	98
34) Benzene	8.03	78	3345251	96.355 ug/l #	91
35) Methacrylonitrile	7.19	41	1270140	209.406 ug/l #	53
36) 1,2-Dichloroethane	8.12	62	1086585	96.303 ug/l	99
37) Trichloroethene	8.83	130	968219	95.807 ug/l	96
38) Methylcyclohexane	9.08	83	1324658	97.737 ug/l	96
39) 1,2-Dichloropropane	9.11	63	859565	96.869 ug/l	99
40) Dibromomethane	9.20	93	571178	96.759 ug/l	94

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Instrument :
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 ClientSampleId :
 VSTDICC100

Quant Time: Aug 17 03:23:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:42:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1162494	97.188	ug/l	96
42) Vinyl Acetate	5.88	43	9355246	492.419	ug/l	97
43) Ethyl Acetate	6.91	43	903621	97.543	ug/l	98
45) 1,4-Dioxane	9.19	88	315806	2055.121	ug/l	96
46) Methyl methacrylate	9.19	41	738421	101.016	ug/l	91
47) n-amyl Acetate	12.07	43	1306009	108.426	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1295694	100.126	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	1422707	98.746	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	829630	96.299	ug/l	98
51) Ethyl methacrylate	10.43	69	1276176	102.186	ug/l	93
52) 1,3-Dichloropropane	10.70	76	1370867	97.433	ug/l	100
53) Dibromochloromethane	10.90	129	988370	99.718	ug/l	100
54) 1,2-Dibromoethane	11.00	107	896014	98.753	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	1615346	555.647	ug/l	97
56) Bromoform	12.13	173	794838	106.200	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	4528510	482.289	ug/l	95
59) 2-Hexanone	10.75	43	3325010	493.718	ug/l	95
61) Tetrachloroethene	10.63	164	950389	89.960	ug/l	97
62) Toluene	10.15	91	3748776	94.293	ug/l	99
64) Chlorobenzene	11.43	112	2404355	96.271	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	915309	94.286	ug/l	99
66) Ethyl Benzene	11.51	91	4216840	97.084	ug/l	100
67) m/p-Xylenes	11.62	106	3213479	197.673	ug/l	100
68) o-Xylene	11.95	106	1557947	98.031	ug/l	98
69) Styrene	11.96	104	2651557	103.852	ug/l	99
70) Isopropylbenzene	12.25	105	4206814	98.736	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	1141447	97.798	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	1472917	149.545	ug/l	70
73) Bromobenzene	12.53	156	1140875	101.047	ug/l	92
74) n-propylbenzene	12.59	91	4600581	103.953	ug/l	97
75) 2-Chlorotoluene	12.67	91	2768405	100.803	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	3560961	100.488	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	406883	107.657	ug/l	87
78) 4-Chlorotoluene	12.77	91	2735201	106.444	ug/l	99
79) tert-butylbenzene	12.99	119	3139889	99.434	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	3417303	102.238	ug/l	99
81) sec-Butylbenzene	13.17	105	4022178	103.332	ug/l	99
82) p-Isopropyltoluene	13.29	119	3637912	104.322	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1824194	110.299	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	1722545	111.580	ug/l	99
85) n-Butylbenzene	13.62	91	2752089	106.135	ug/l	99
86) Hexachloroethane	13.88	117	675798	100.687	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	1713288	109.655	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	173497	110.907	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	715133	129.361	ug/l	98
90) Hexachlorobutadiene	15.01	225	702802	99.620	ug/l	100
91) Naphthalene	15.13	128	1532964	128.299	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	628847	119.975	ug/l	100

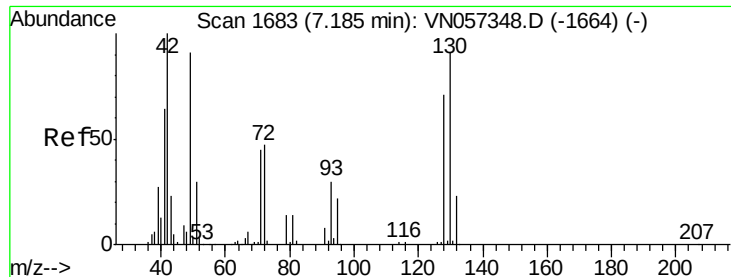
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081719\
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QLast Update : Fri Aug 16 15:42:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

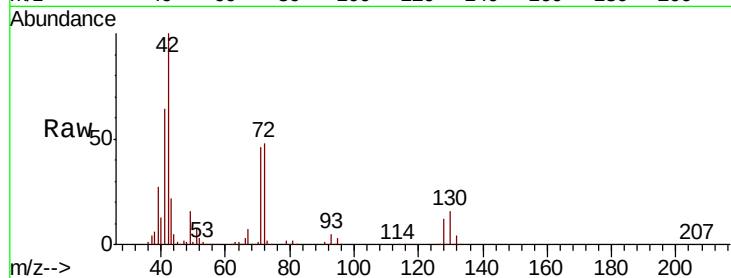
(#) = qualifier out of range (m) = manual integration (+) = signals summed						



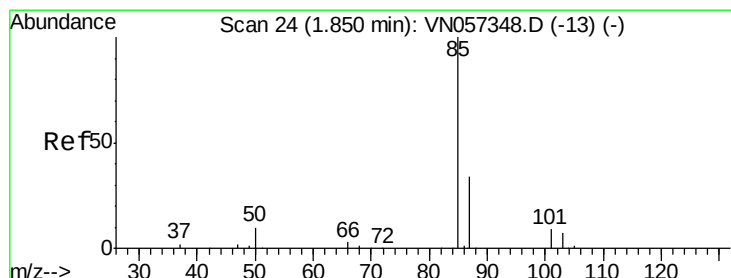
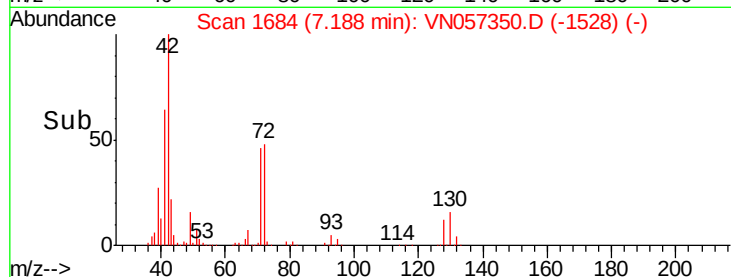
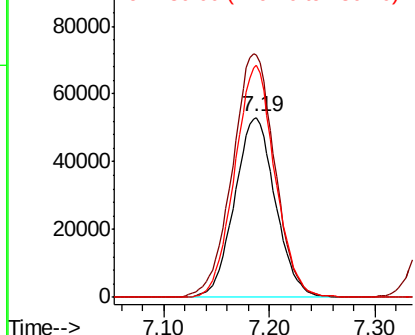
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 128 Resp: 142484
 Ion Ratio Lower Upper
 128 100
 49 140.7 0.0 390.5
 130 127.6 0.0 316.5

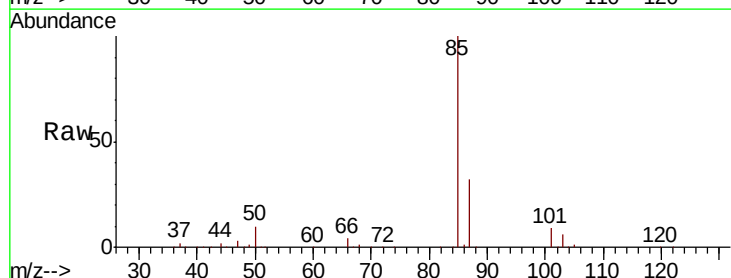


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

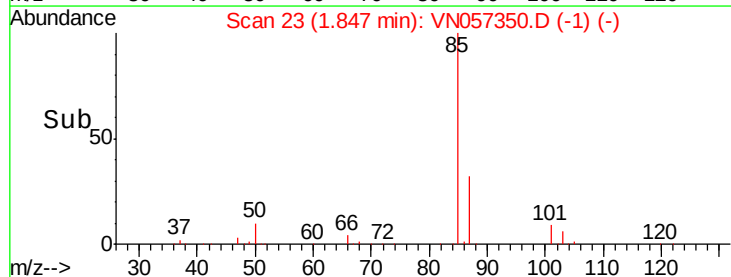
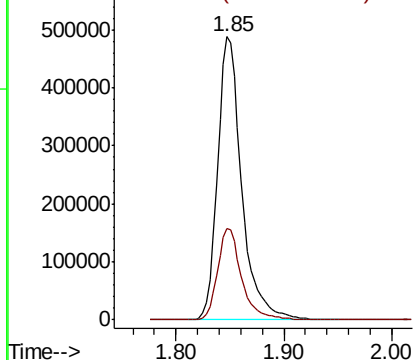


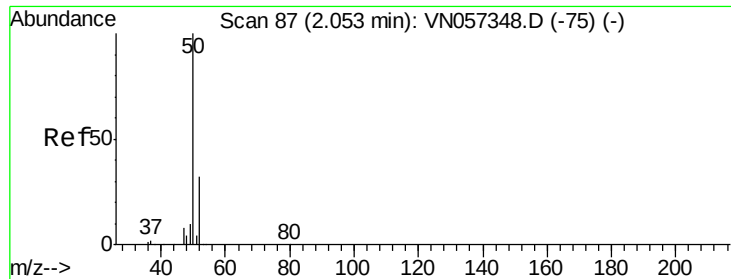
#2
 Dichlorodifluoromethane
 Concen: 102.445 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 85 Resp: 753994
 Ion Ratio Lower Upper
 85 100
 87 32.5 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 98.924 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

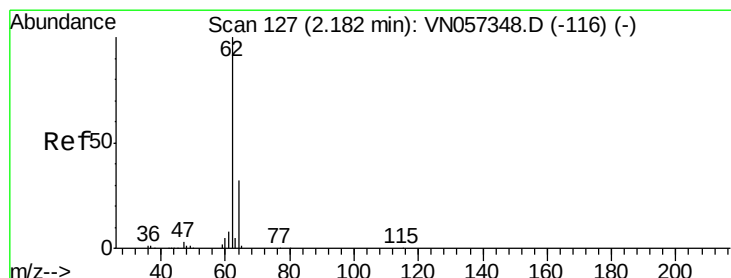
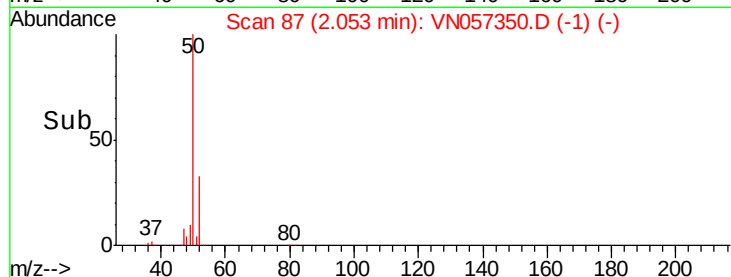
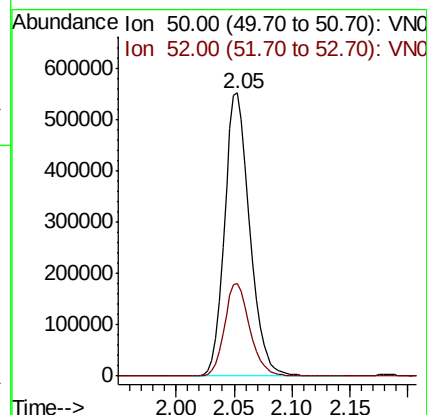
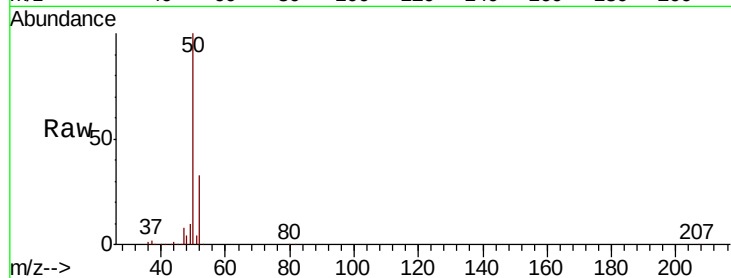
VSTDIC100

Tgt Ion: 50 Resp: 839643

Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7



#4

Vinyl Chloride

Concen: 100.384 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057350.D

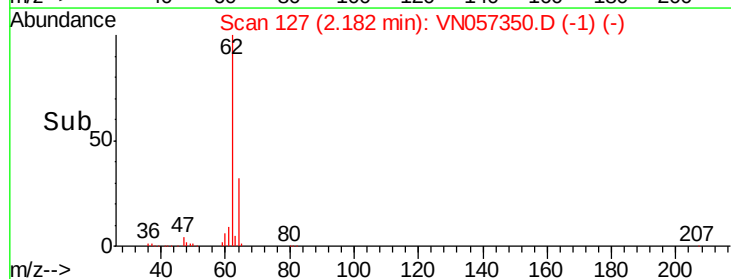
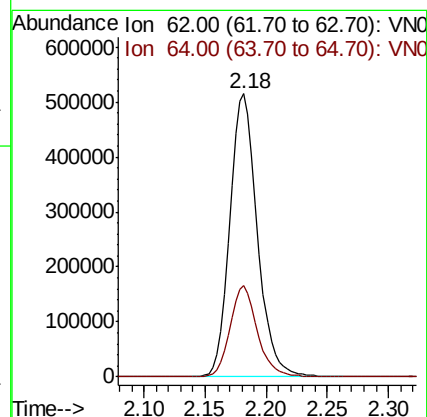
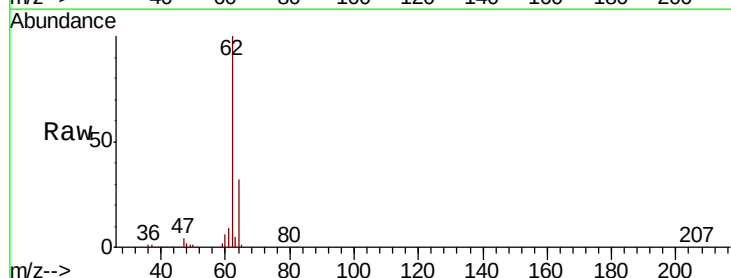
Acq: 16 Aug 2019 12:41

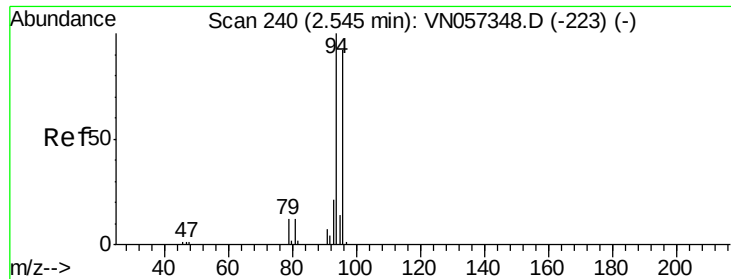
Tgt Ion: 62 Resp: 815152

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 94.769 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

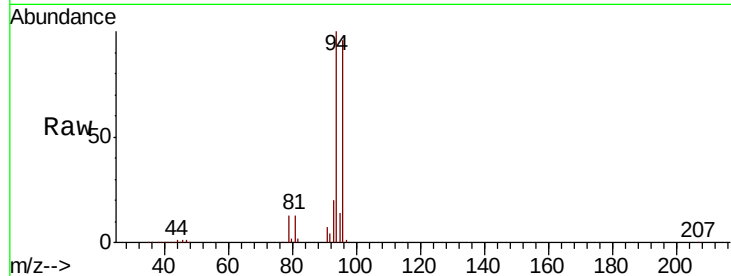
VSTDIC100

Tgt Ion: 94 Resp: 598802

Ion Ratio Lower Upper

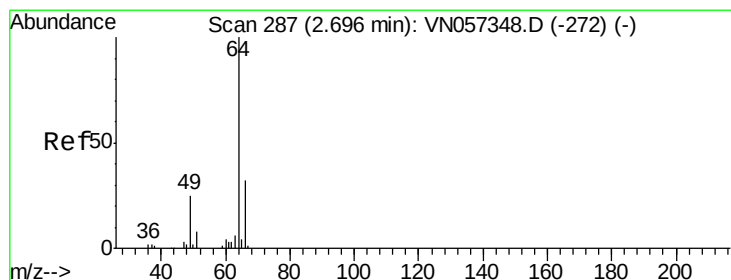
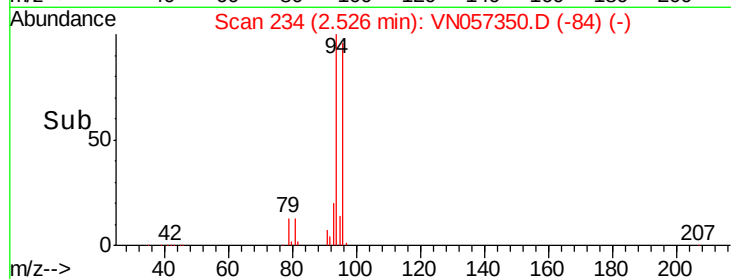
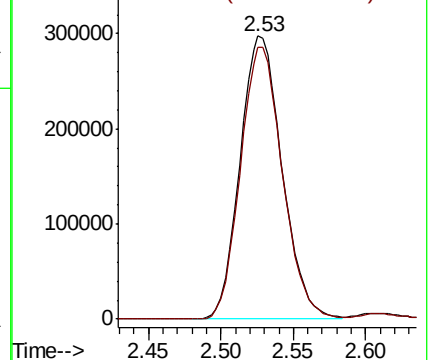
94 100

96 96.1 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 98.277 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN057350.D

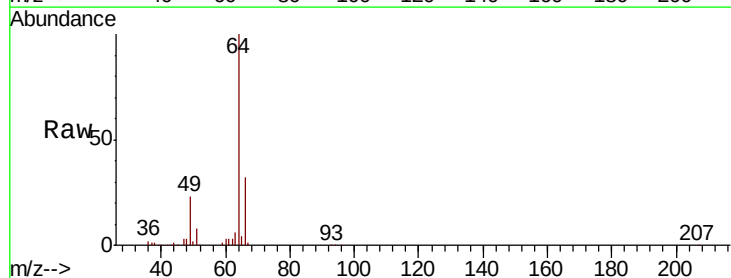
Acq: 16 Aug 2019 12:41

Tgt Ion: 64 Resp: 546666

Ion Ratio Lower Upper

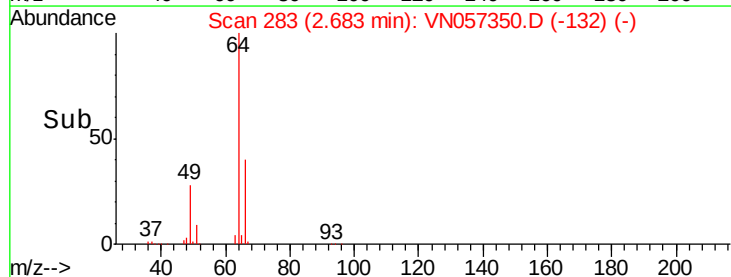
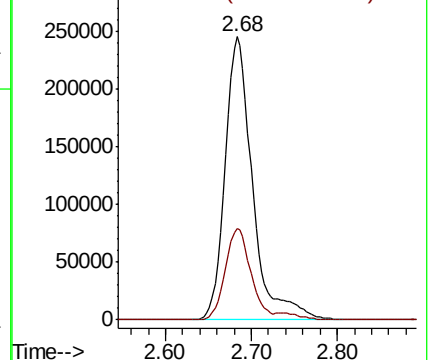
64 100

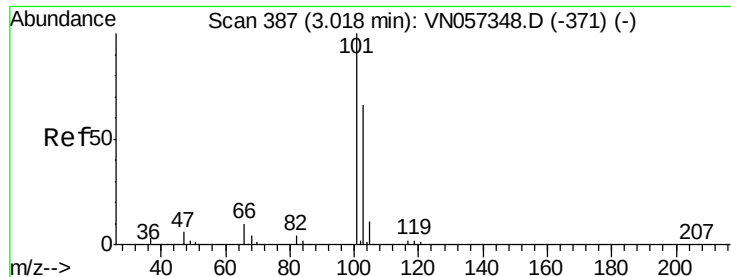
66 32.1 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



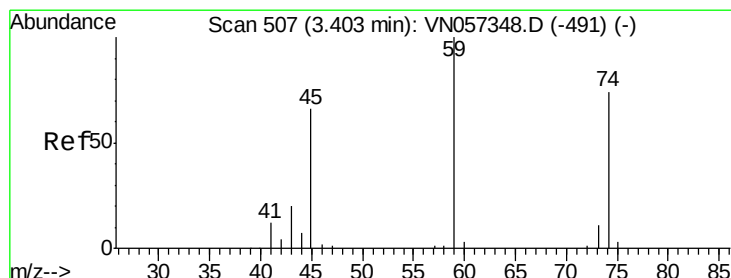
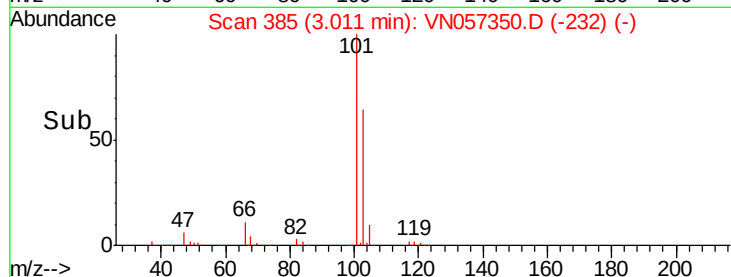
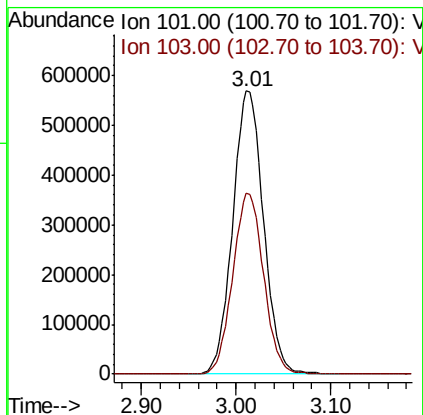
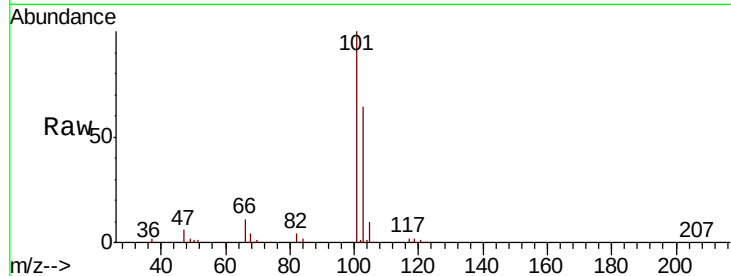


#7

Trichlorofluoromethane
 Concen: 98.907 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

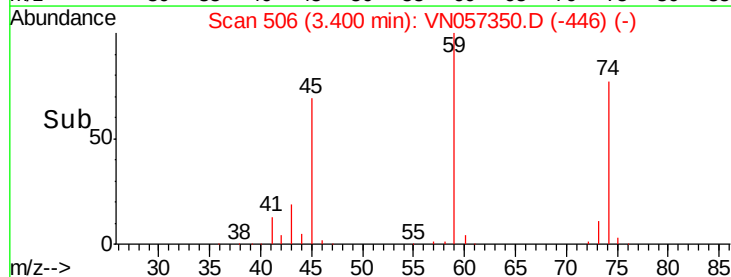
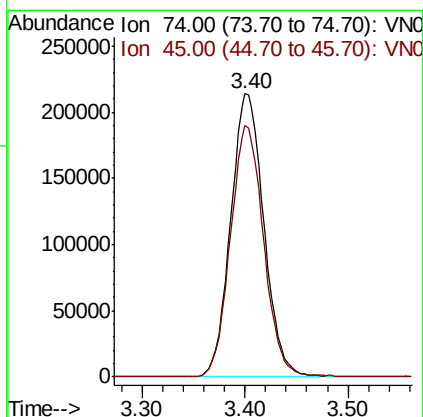
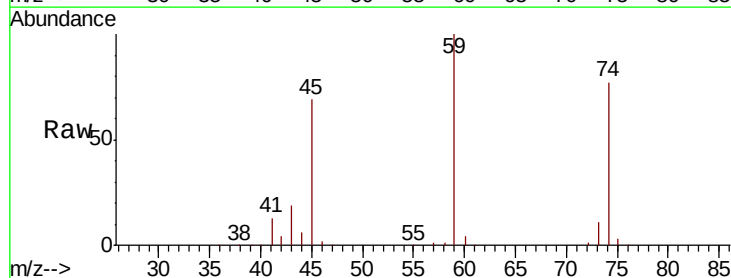
Tgt Ion: 101 Resp: 1287201
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.8 79.2

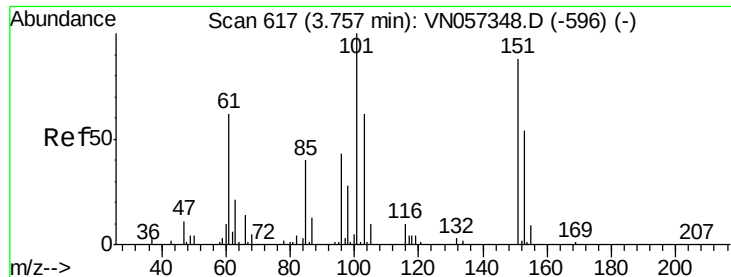


#8

Diethyl Ether
 Concen: 100.238 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 74 Resp: 480087
 Ion Ratio Lower Upper
 74 100
 45 88.6 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.030 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

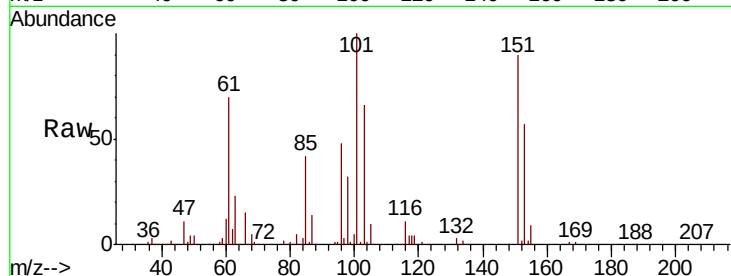
Tgt Ion: 101 Resp: 744192

Ion Ratio Lower Upper

101 100

85 41.4 0.0 84.2

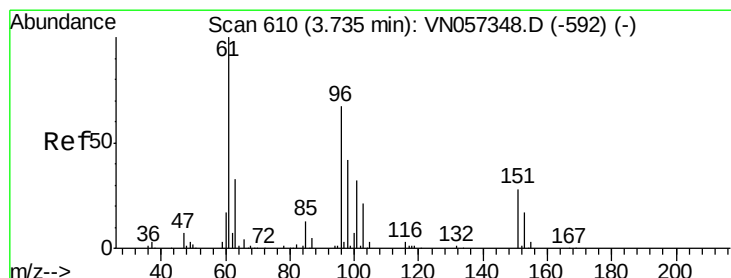
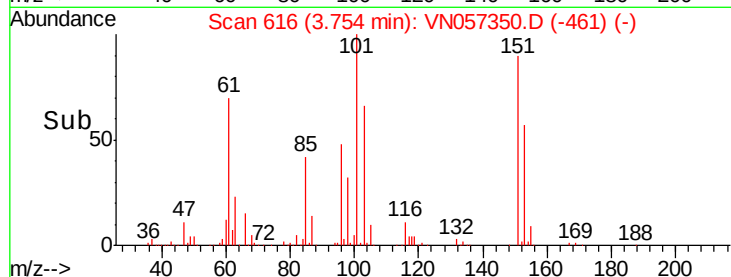
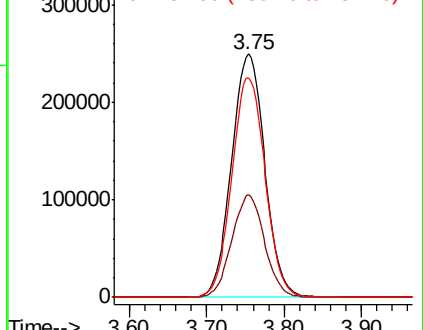
151 90.2 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 97.832 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

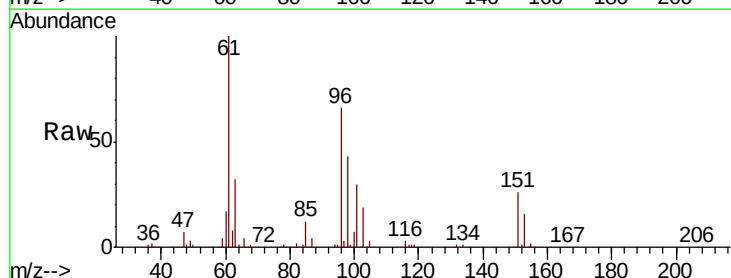
Tgt Ion: 96 Resp: 751902

Ion Ratio Lower Upper

96 100

61 150.4 129.0 193.4

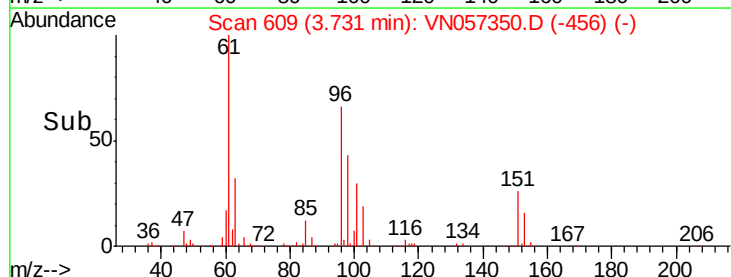
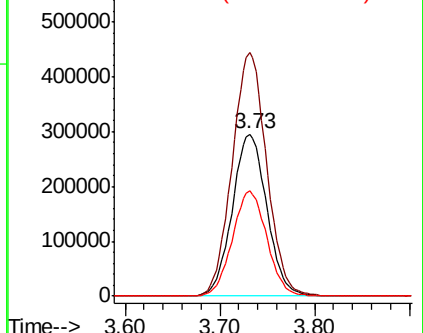
98 64.8 52.5 78.7

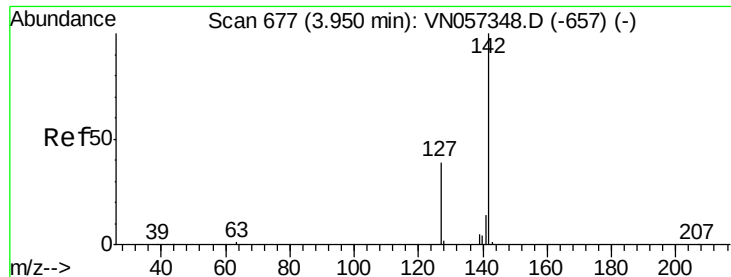


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

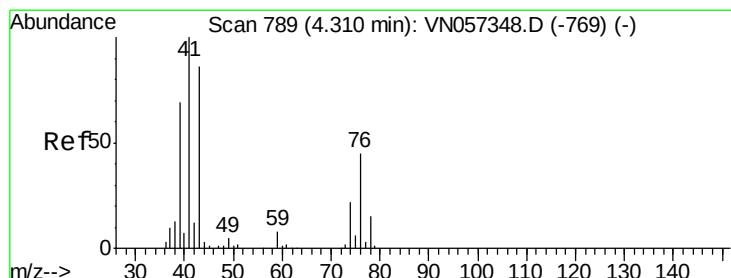
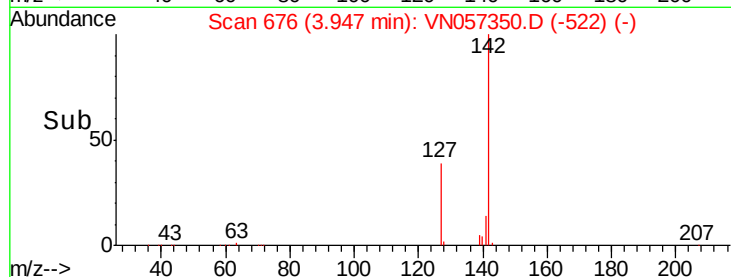
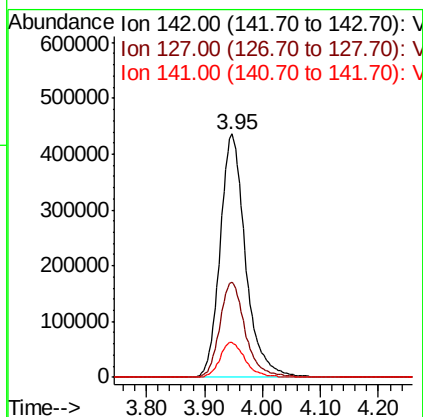
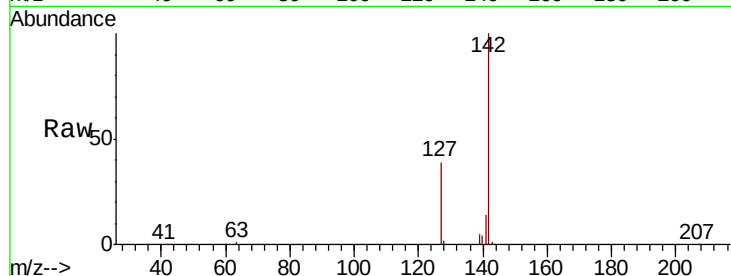




#11
Methyl Iodide
Concen: 102.234 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

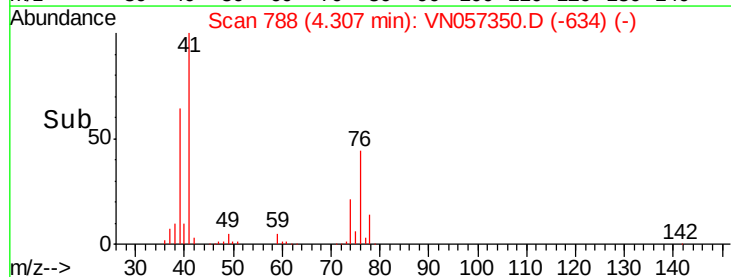
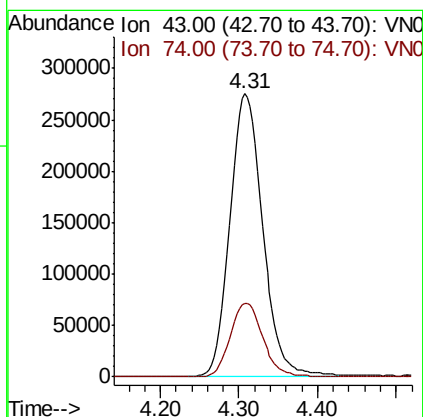
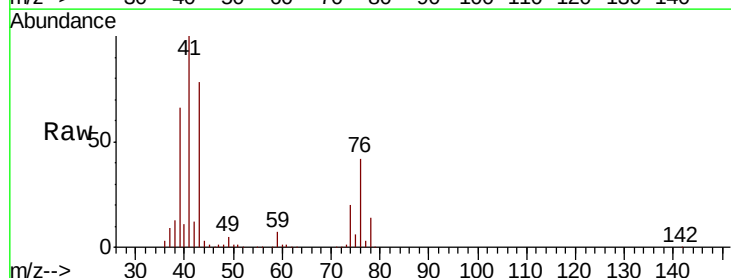
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

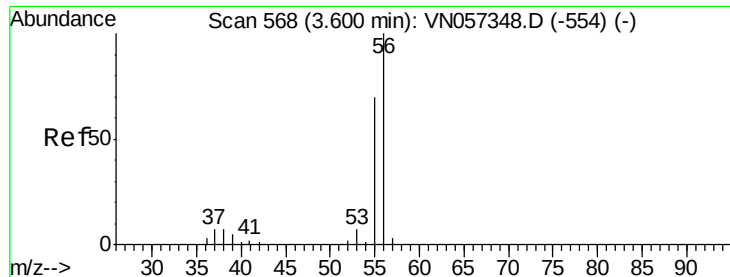
Tgt Ion:142 Resp: 1324979
Ion Ratio Lower Upper
142 100
127 39.1 19.5 58.5
141 14.5 6.8 20.3



#12
Methyl Acetate
Concen: 91.953 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

Tgt Ion: 43 Resp: 794549
Ion Ratio Lower Upper
43 100
74 26.1 20.2 30.4





#13

Acrolein

Concen: 492.638 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

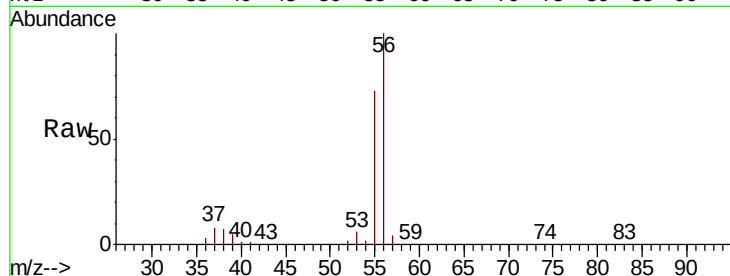
VSTDIC100

Tgt Ion: 56 Resp: 402535

Ion Ratio Lower Upper

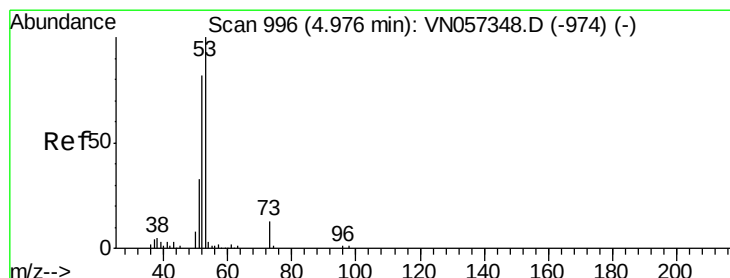
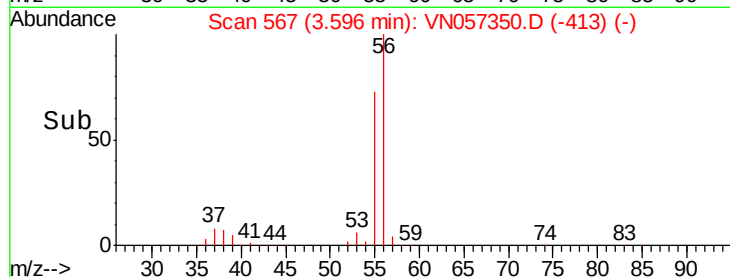
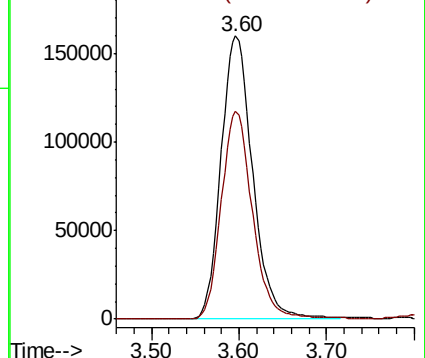
56 100

55 72.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 505.618 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

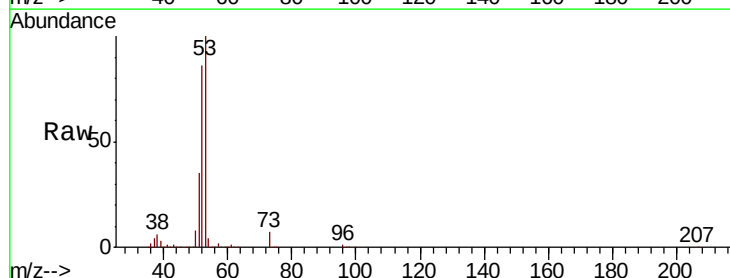
Tgt Ion: 53 Resp: 1769813

Ion Ratio Lower Upper

53 100

52 83.0 41.3 123.7

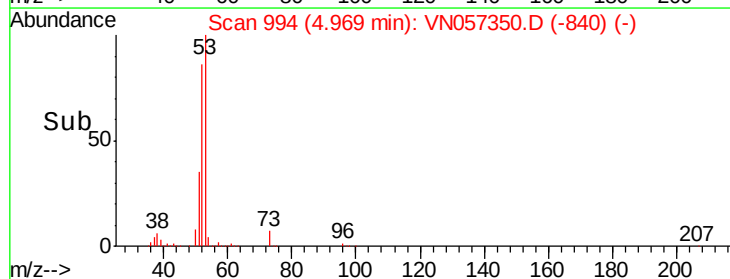
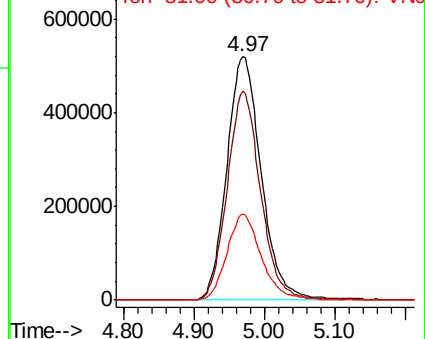
51 35.4 17.7 53.1

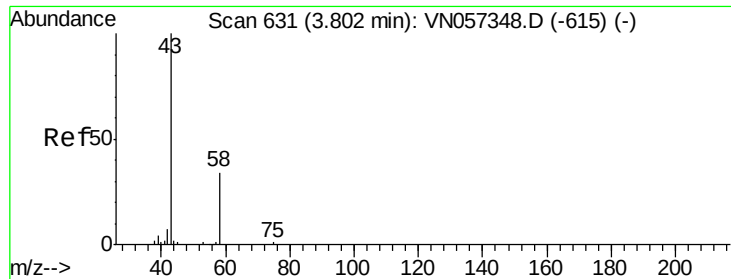


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 476.422 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

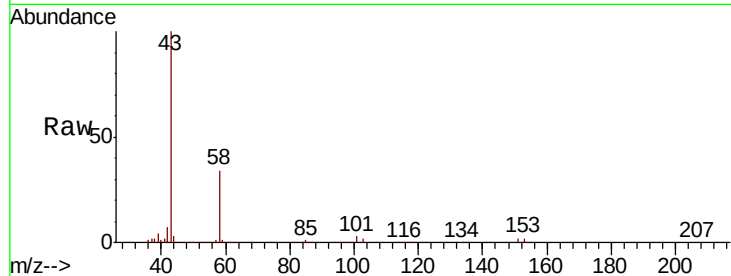
VSTDIC100

Tgt Ion: 58 Resp: 491406

Ion Ratio Lower Upper

58 100

43 294.4 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN057348.D (-615) (-)

Ion 43.00 (42.70 to 43.70): VN057348.D (-615) (-)

600000

500000

400000

300000

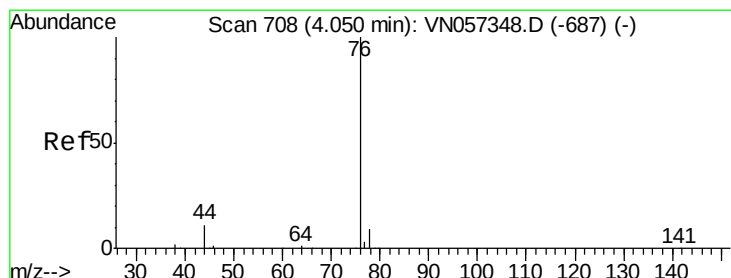
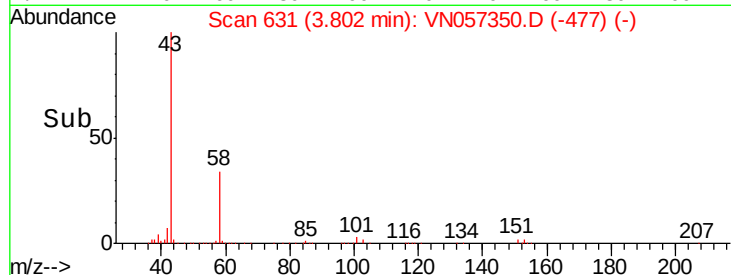
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 100.589 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057350.D

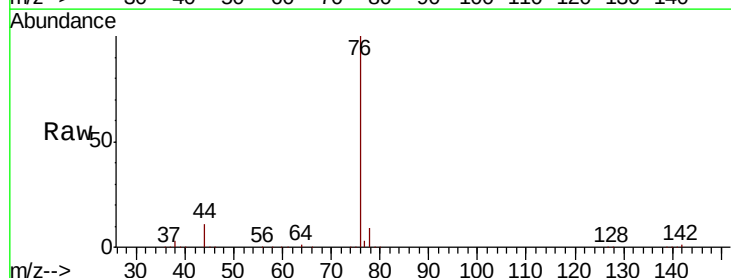
Acq: 16 Aug 2019 12:41

Tgt Ion: 76 Resp: 2113252

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057348.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN057348.D (-687) (-)

800000

600000

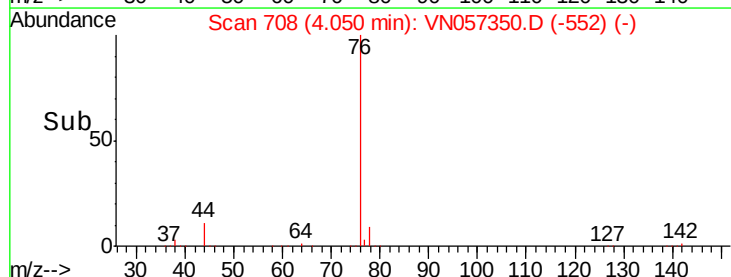
400000

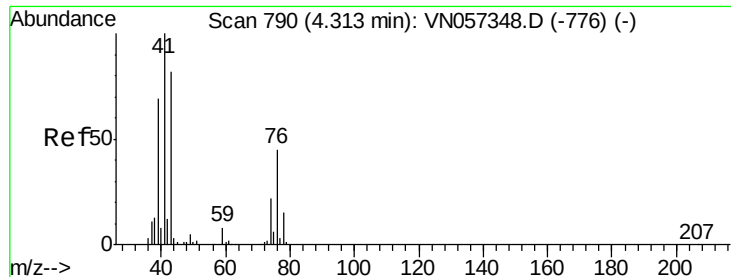
200000

0

3.90 4.00 4.10 4.20

Time-->

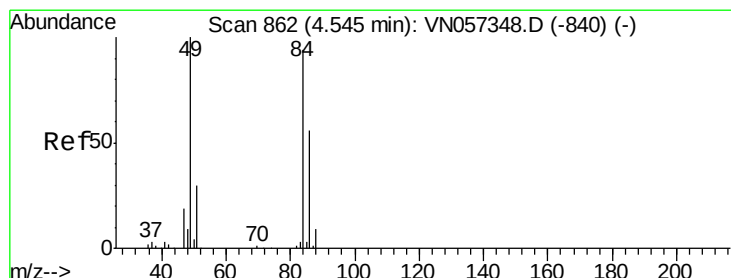
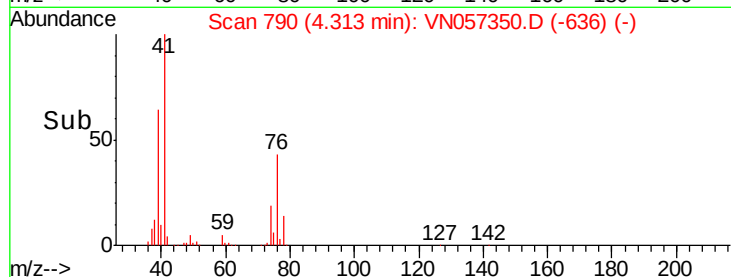
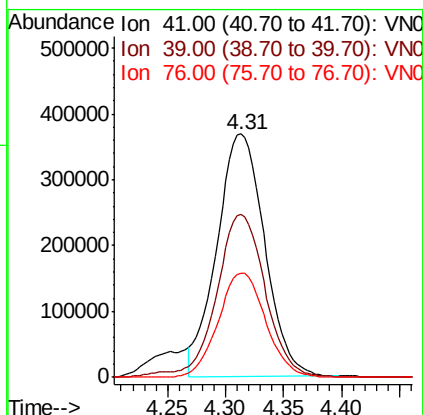
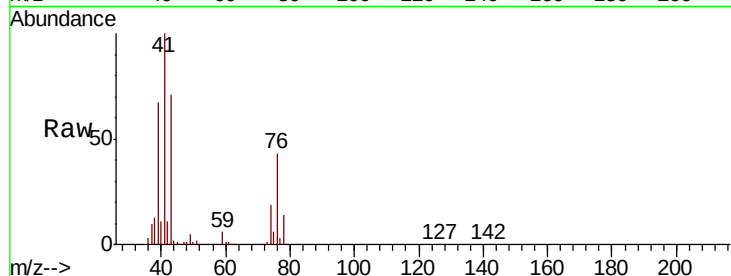




#17
 Allyl chloride
 Concen: 93.880 ug/l
 RT: 4.31 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

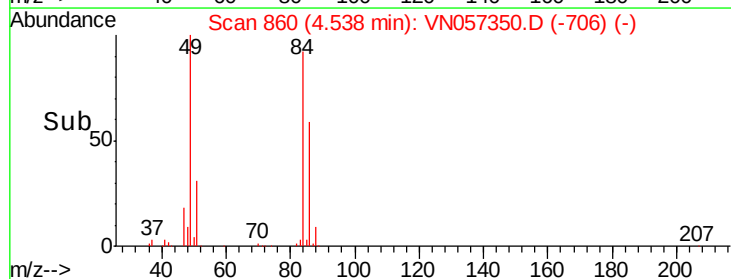
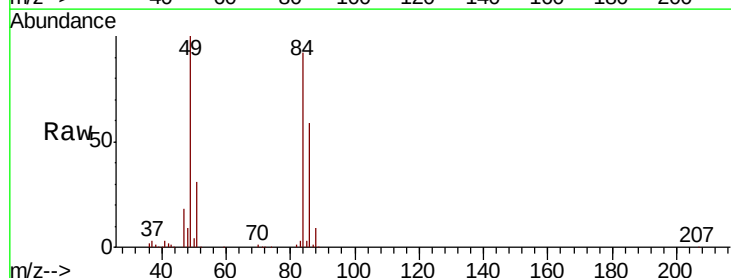
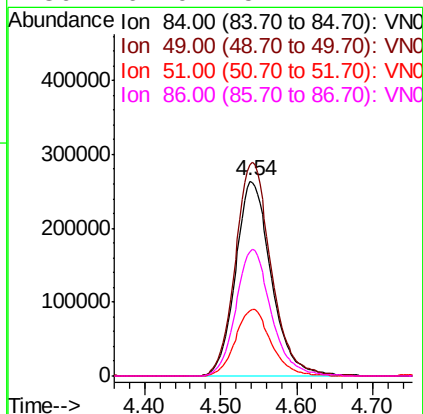
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

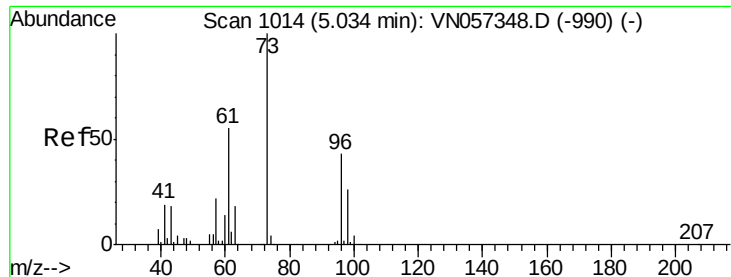
Tgt Ion: 41 Resp: 1053870
 Ion Ratio Lower Upper
 41 100
 39 67.0 32.8 98.4
 76 42.6 18.5 55.5



#18
 Methylene Chloride
 Concen: 97.941 ug/l
 RT: 4.54 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 84 Resp: 861542
 Ion Ratio Lower Upper
 84 100
 49 108.3 93.9 140.9
 51 33.3 31.7 47.5
 86 64.0 51.4 77.2

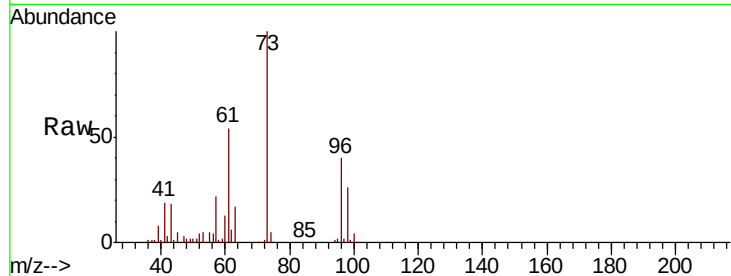




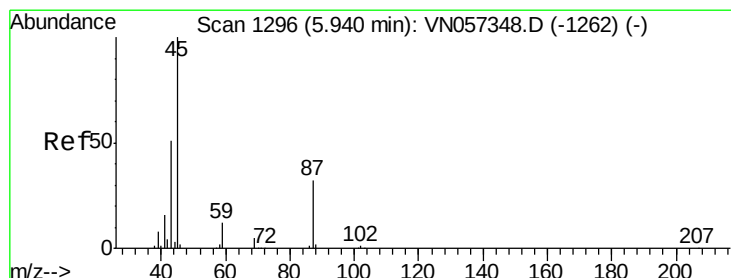
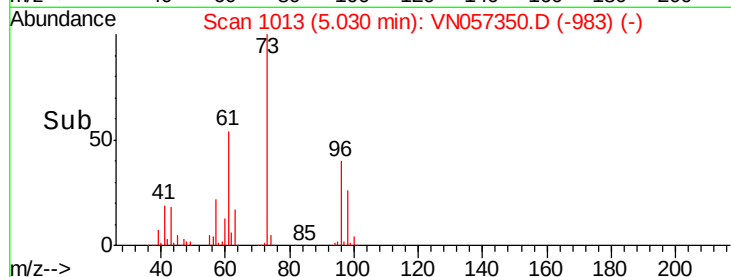
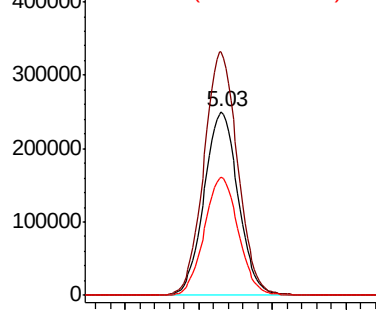
#19
trans-1,2-Dichloroethene
Concen: 96.852 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 806062
Ion Ratio Lower Upper
96 100
61 132.4 109.6 164.4
98 64.3 51.4 77.2

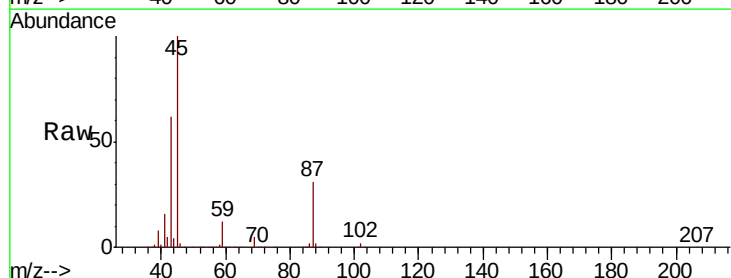


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

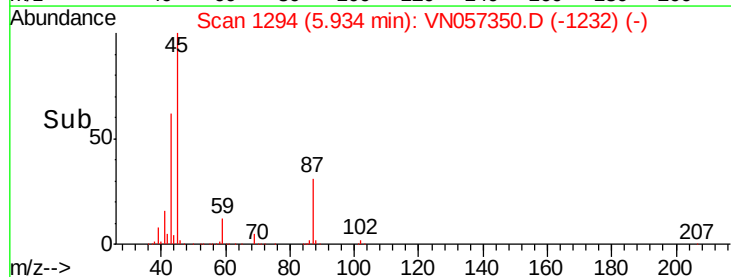
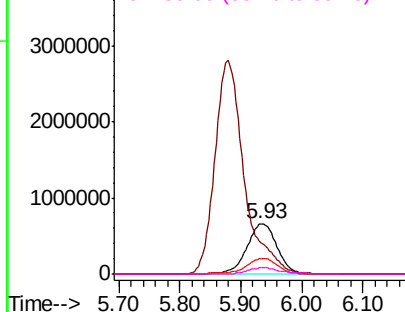


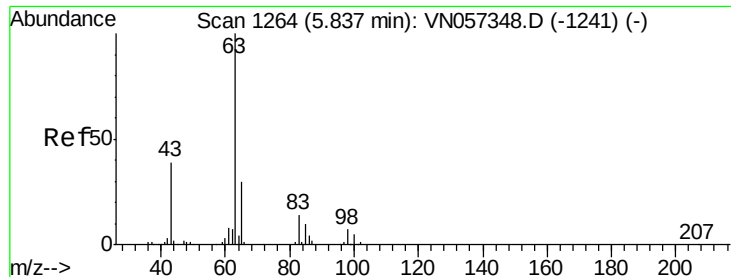
#20
Diisopropyl ether
Concen: 96.855 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

Tgt Ion: 45 Resp: 2264057
Ion Ratio Lower Upper
45 100
43 61.3 50.3 75.5
87 31.1 21.4 32.0
59 12.3 9.7 14.5



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





#21

1,1-Dichloroethane

Concen: 98.379 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

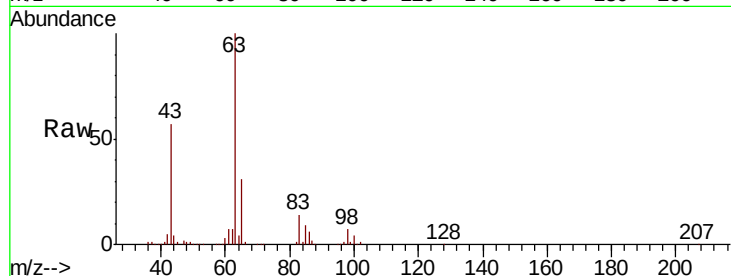
Tgt Ion: 63 Resp: 1420938

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

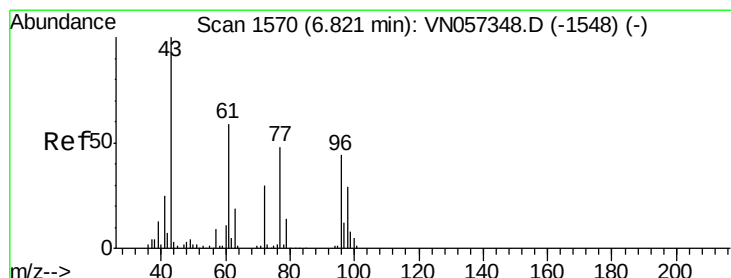
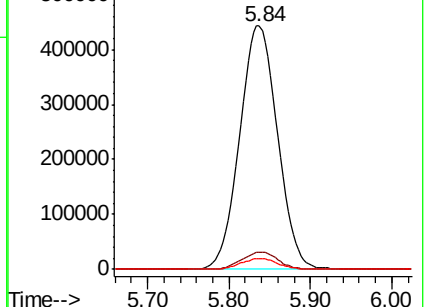
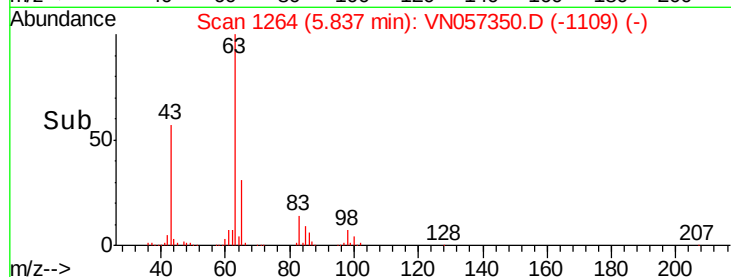
100 4.3 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN057350.D (-1109) (-)

Ion 98.00 (97.70 to 98.70): VN057350.D (-1109) (-)

Ion 100.00 (99.70 to 100.70): VN057350.D (-1109) (-)



#22

cis-1,2-Dichloroethene

Concen: 96.899 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

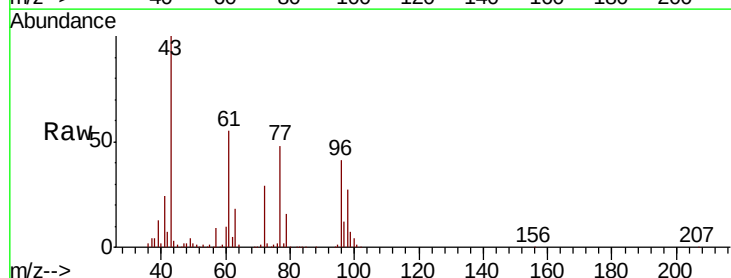
Tgt Ion: 96 Resp: 934519

Ion Ratio Lower Upper

96 100

61 135.9 112.1 168.1

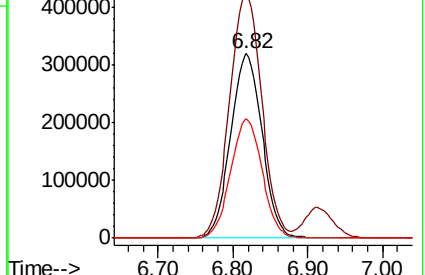
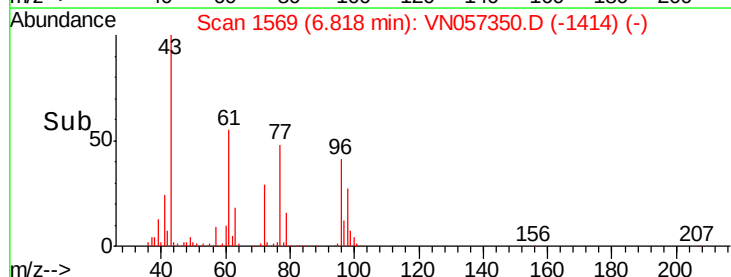
98 64.9 52.2 78.2

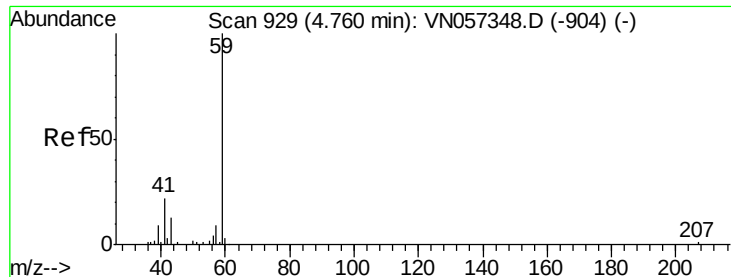


Abundance Ion 96.00 (95.70 to 96.70): VN057350.D (-1414) (-)

Ion 61.00 (60.70 to 61.70): VN057350.D (-1414) (-)

Ion 98.00 (97.70 to 98.70): VN057350.D (-1414) (-)

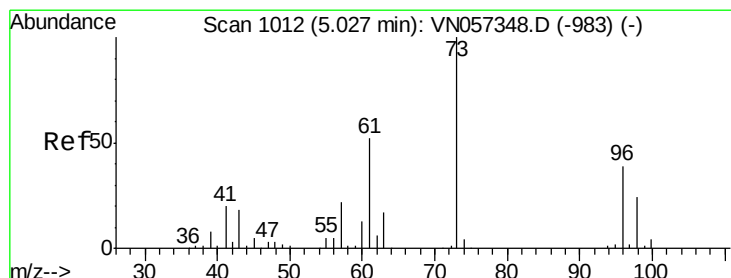
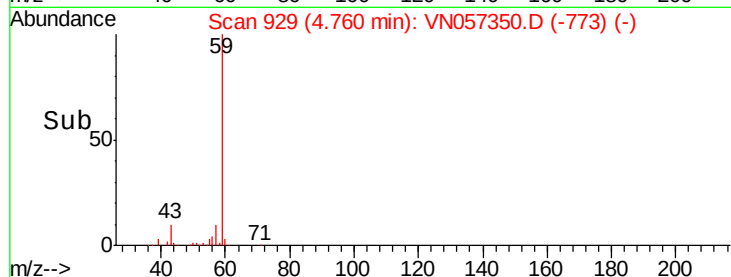
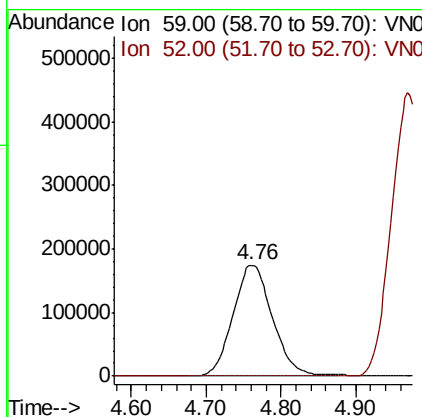
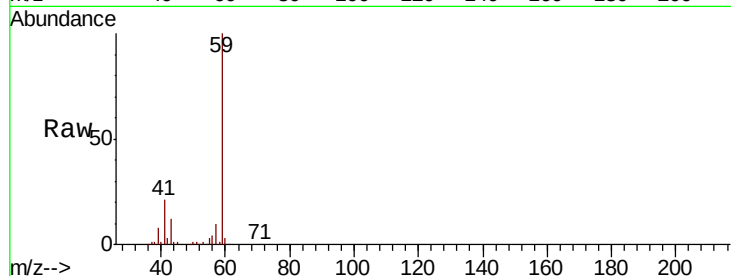




#23
 tert-Butyl Alcohol
 Concen: 512.571 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

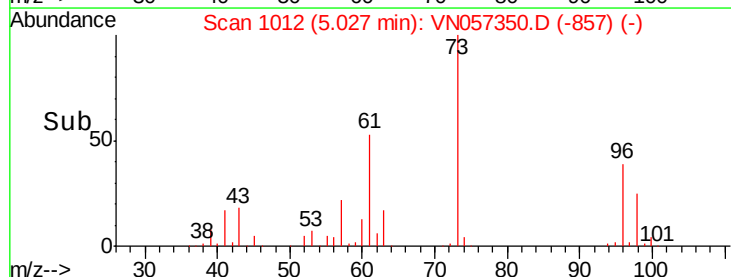
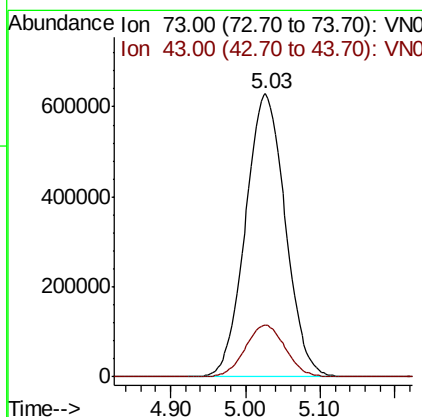
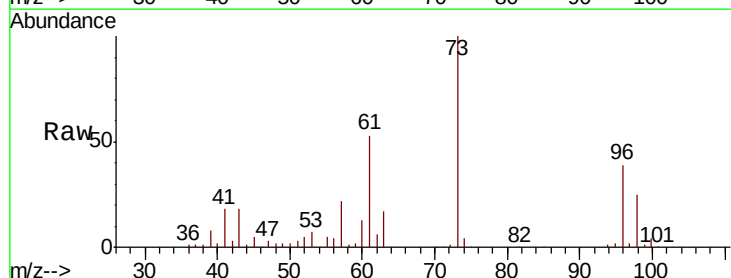
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

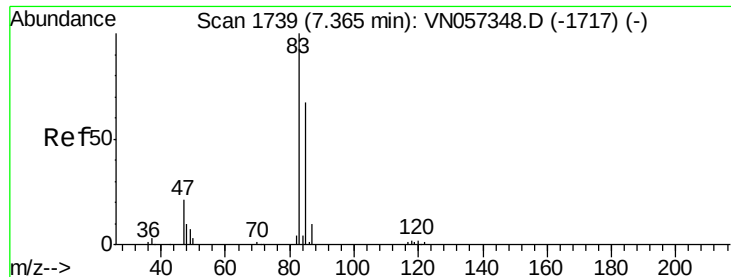
Tgt Ion: 59 Resp: 639385
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 98.812 ug/l
 RT: 5.03 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 73 Resp: 2330543
 Ion Ratio Lower Upper
 73 100
 43 18.3 15.1 22.7





#25

Chloroform

Concen: 96.966 ug/l

RT: 7.36 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

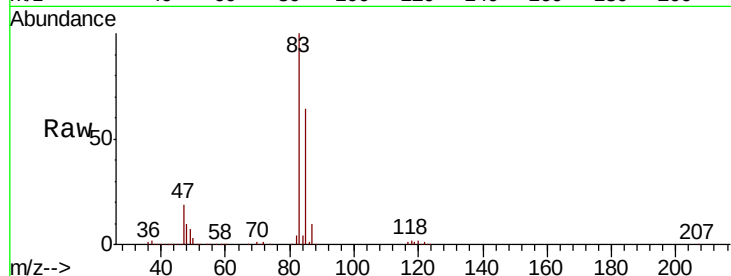
VSTDIC100

Tgt Ion: 83 Resp: 1463836

Ion Ratio Lower Upper

83 100

85 64.1 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VN057350.D (-1582) (-)

Ion 85.00 (84.70 to 85.70): VN057350.D (-1582) (-)

7.36

600000

500000

400000

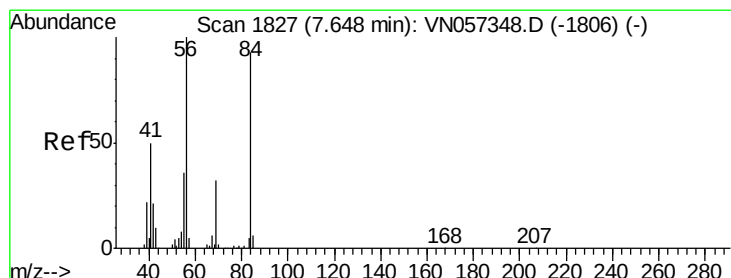
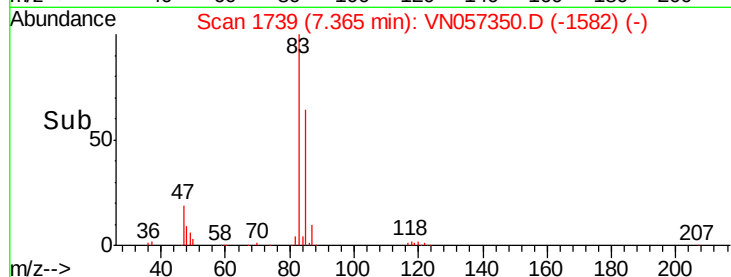
300000

200000

100000

0

Time-->



#26

Cyclohexane

Concen: 98.987 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

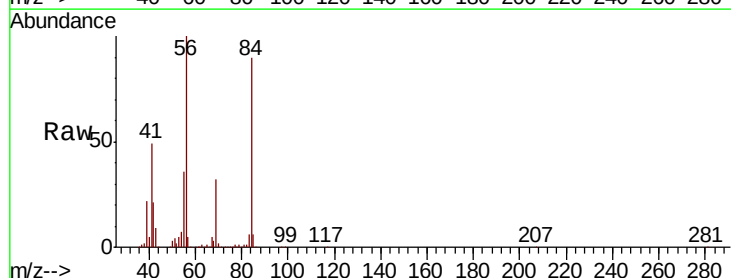
Tgt Ion: 56 Resp: 1188440

Ion Ratio Lower Upper

56 100

89 0.0 1.4 2.2#

84 89.5 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VN057350.D (-1672) (-)

Ion 89.00 (88.70 to 89.70): VN057350.D (-1672) (-)

Ion 84.00 (83.70 to 84.70): VN057350.D (-1672) (-)

800000

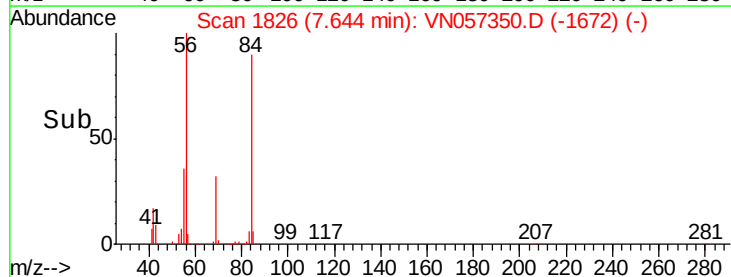
600000

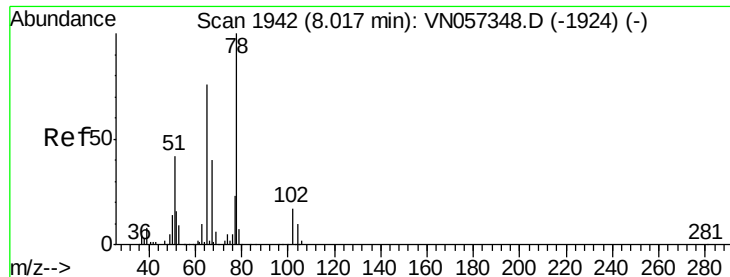
400000

200000

0

Time-->

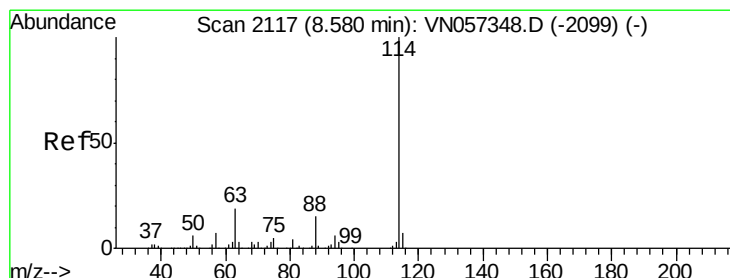
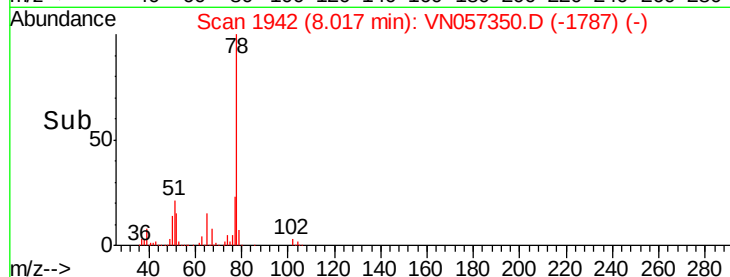
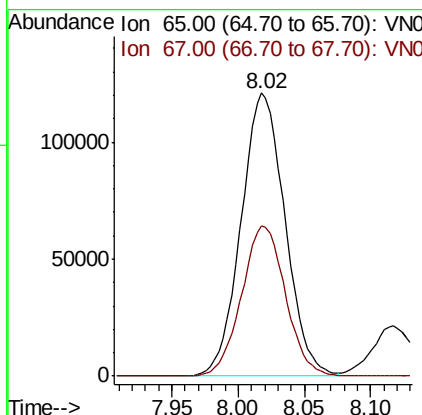
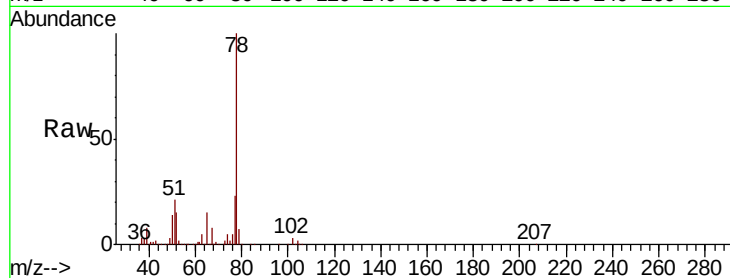




#27
 1,2-Dichloroethane-d4
 Concen: 30.401 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

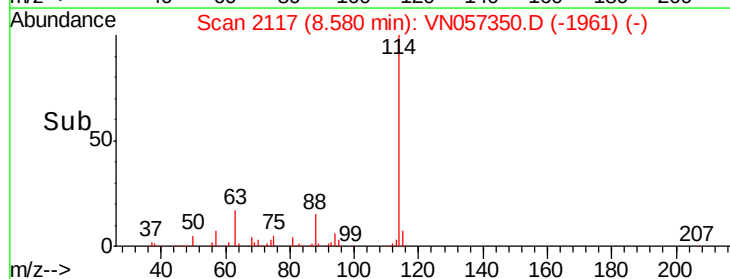
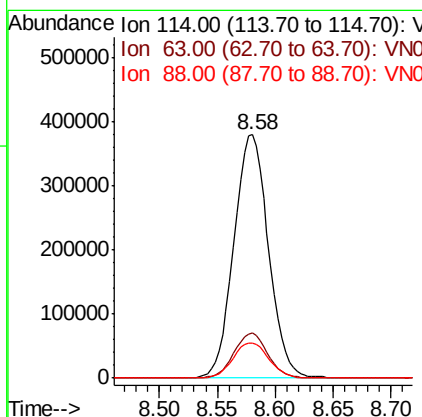
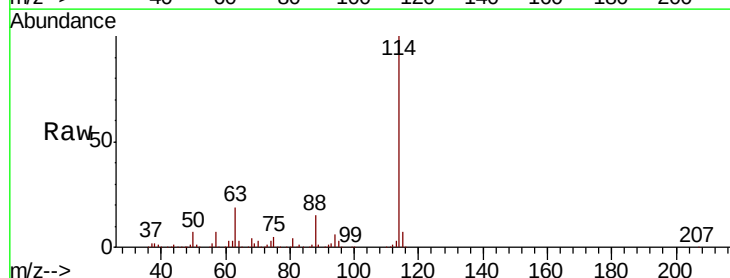
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

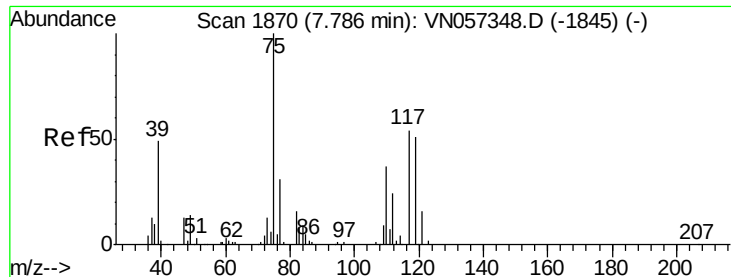
Tgt Ion: 65 Resp: 278489
 Ion Ratio Lower Upper
 65 100
 67 53.0 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 114 Resp: 786726
 Ion Ratio Lower Upper
 114 100
 63 18.2 16.2 24.2
 88 15.1 12.3 18.5

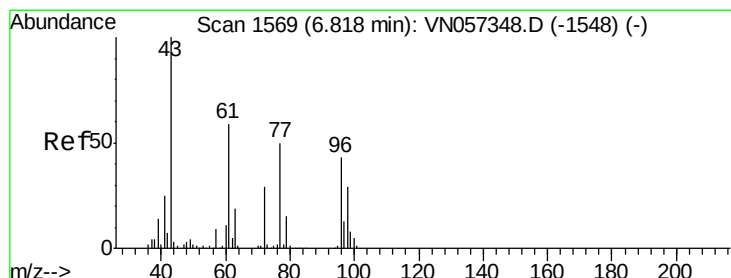
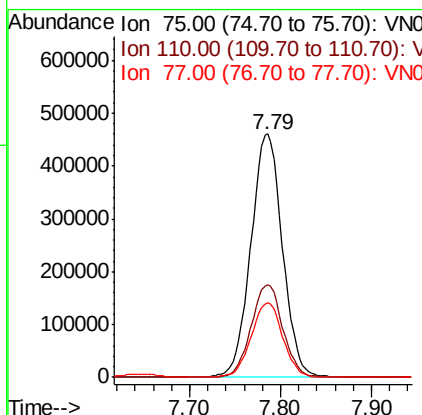
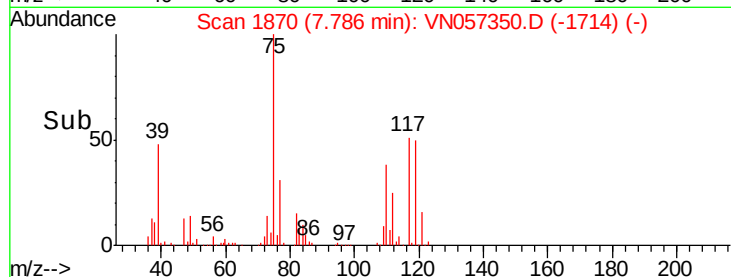
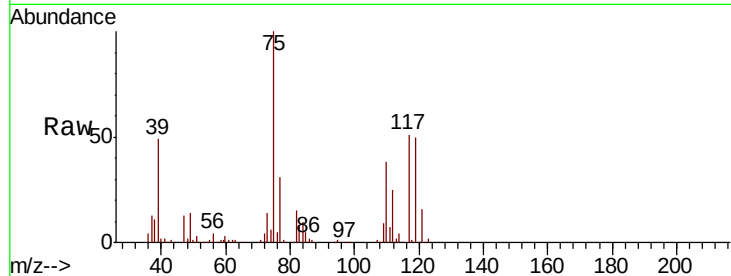




#29
 1,1-Dichloropropene
 Concen: 96.911 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

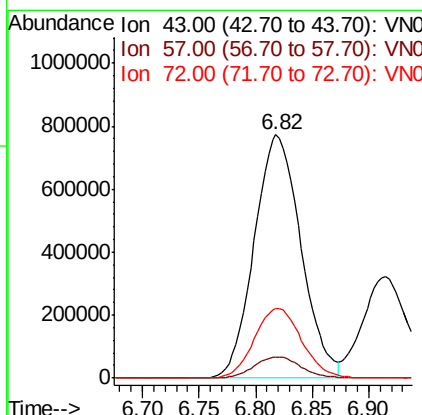
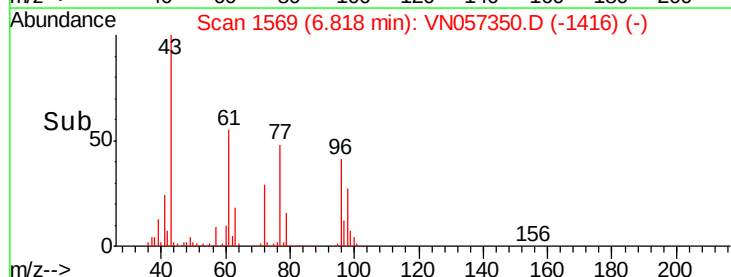
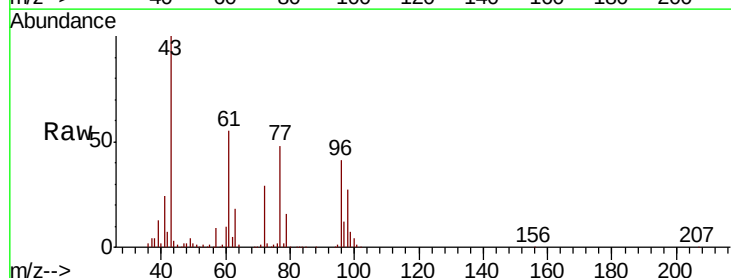
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

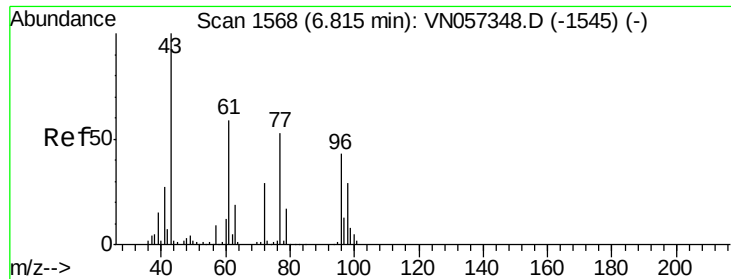
Tgt Ion: 75 Resp: 1109057
 Ion Ratio Lower Upper
 75 100
 110 38.1 0.0 72.4
 77 30.8 0.0 62.2



#30
 2-Butanone
 Concen: 489.233 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 43 Resp: 2208966
 Ion Ratio Lower Upper
 43 100
 57 8.8 6.6 10.0
 72 29.2 21.3 31.9

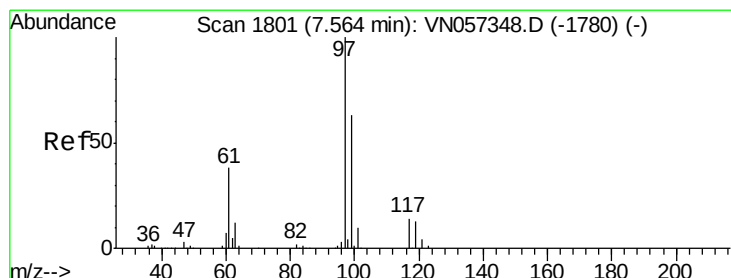
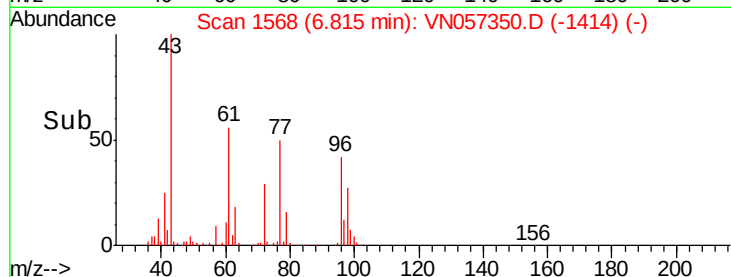
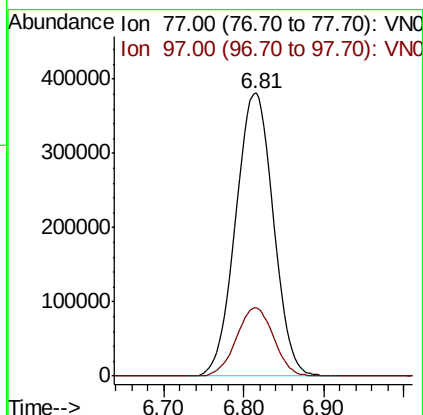
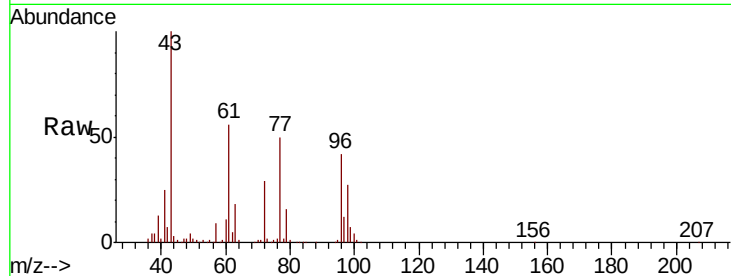




#31
 2,2-Dichloropropane
 Concen: 97.214 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

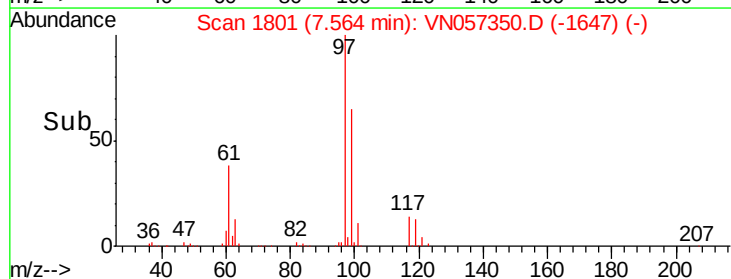
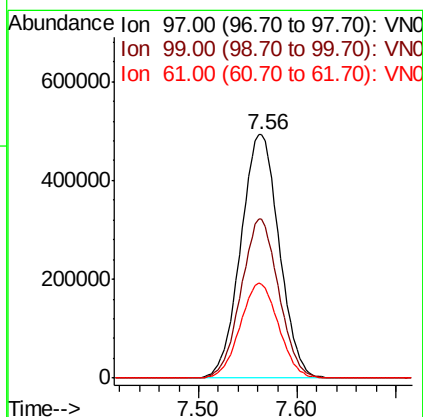
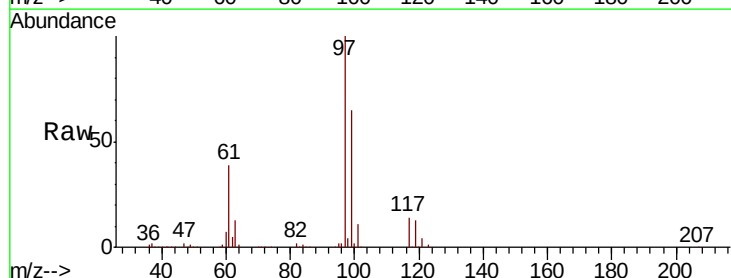
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

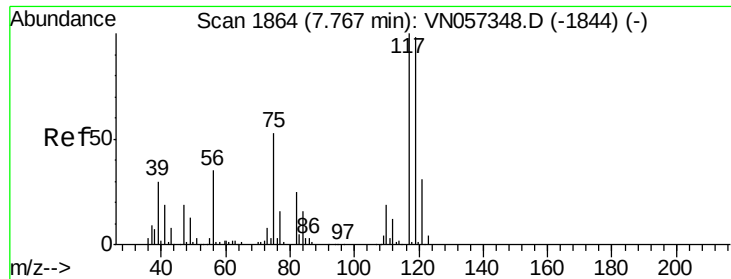
Tgt Ion: 77 Resp: 1218730
 Ion Ratio Lower Upper
 77 100
 97 23.9 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 97.945 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 97 Resp: 1325101
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.0 78.0
 61 39.0 34.4 51.6

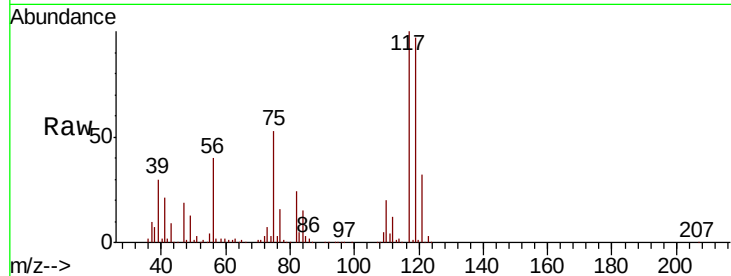




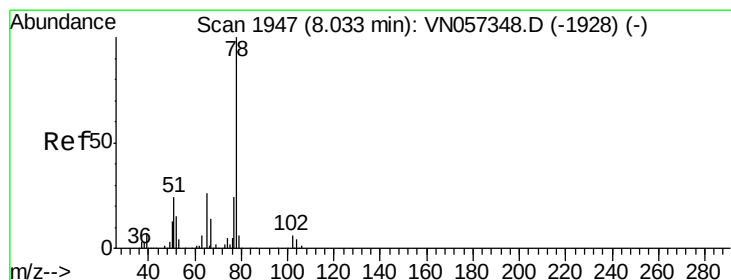
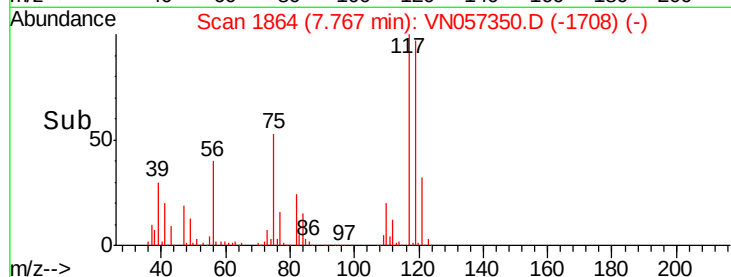
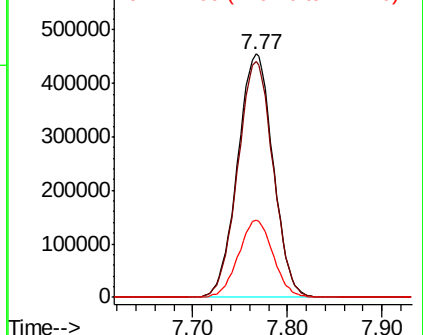
#33
 Carbon Tetrachloride
 Concen: 98.455 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 117 Resp: 1186055
 Ion Ratio Lower Upper
 117 100
 119 97.1 78.7 118.1
 121 31.7 24.0 36.0

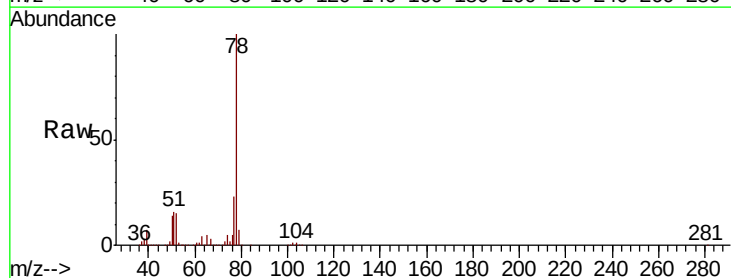


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

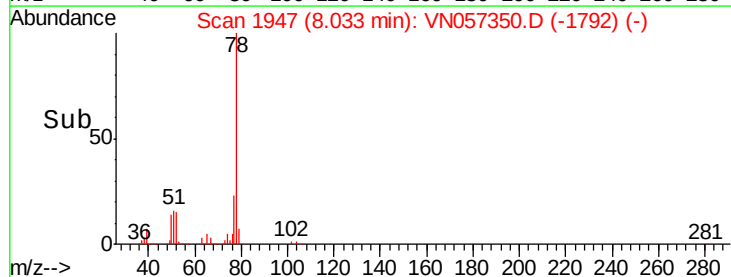
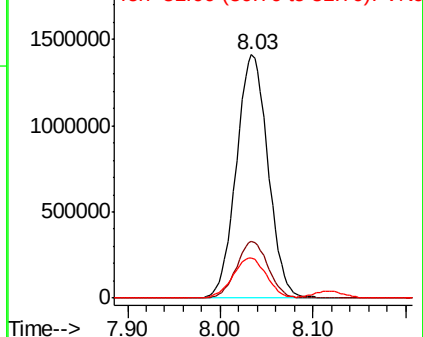


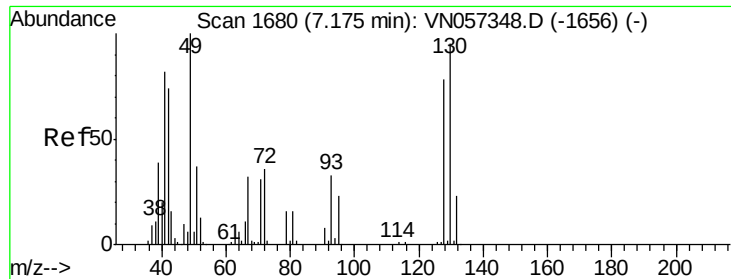
#34
 Benzene
 Concen: 96.355 ug/l
 RT: 8.03 min Scan# 1947
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 78 Resp: 3345251
 Ion Ratio Lower Upper
 78 100
 77 23.3 19.0 28.4
 51 16.4 19.7 29.5#



Abundance Ion 78.10 (77.80 to 78.80): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 51.00 (50.70 to 51.70): VNO

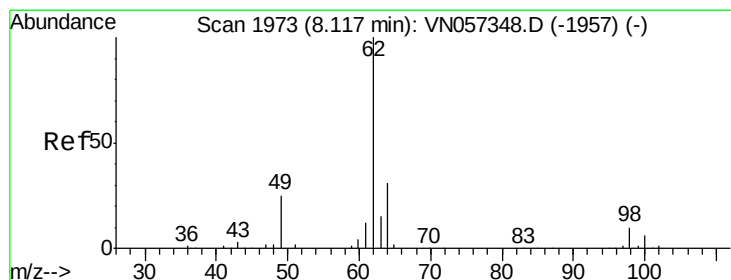
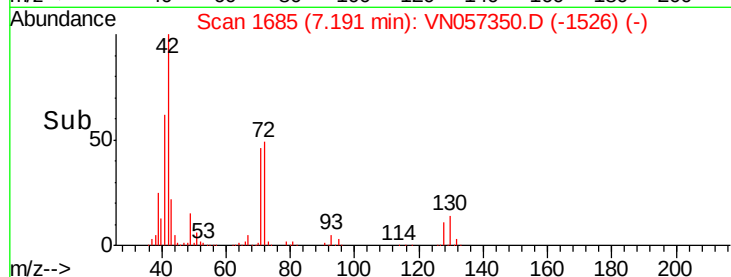
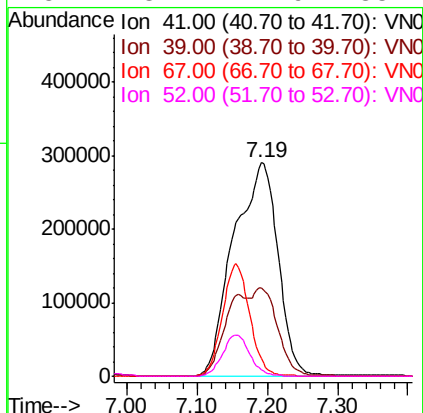
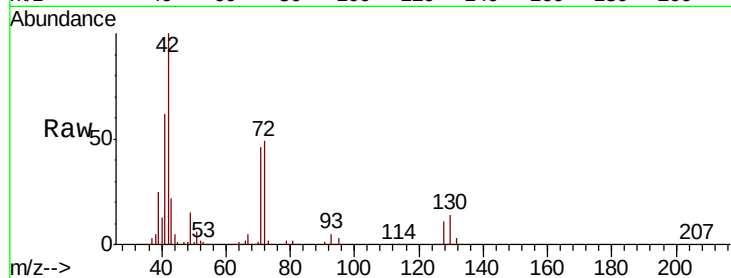




#35
Methacrylonitrile
Concen: 209.406 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

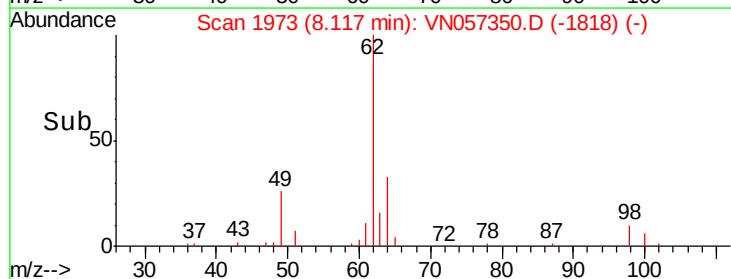
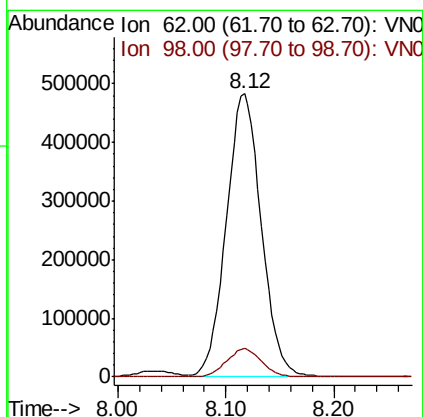
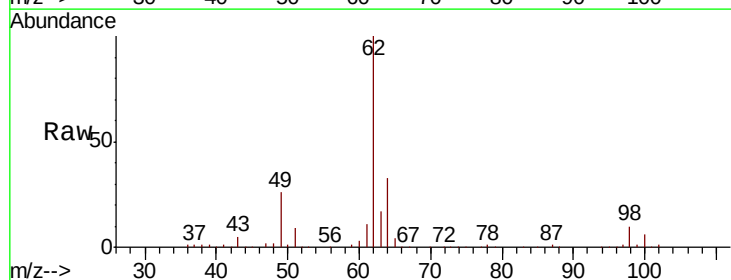
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

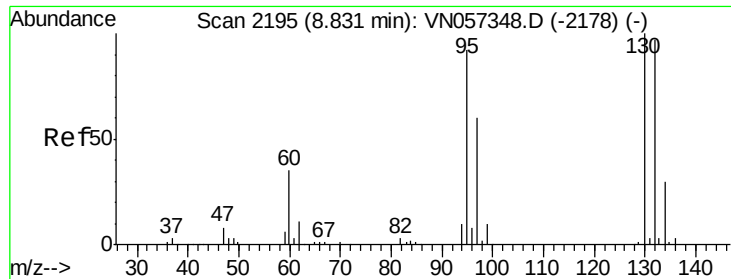
Tgt Ion: 41 Resp: 1270140
Ion Ratio Lower Upper
41 100
39 41.1 25.4 76.2
67 8.2 33.6 100.8#
52 3.2 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 96.303 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

Tgt Ion: 62 Resp: 1086585
Ion Ratio Lower Upper
62 100
98 10.0 7.7 11.5

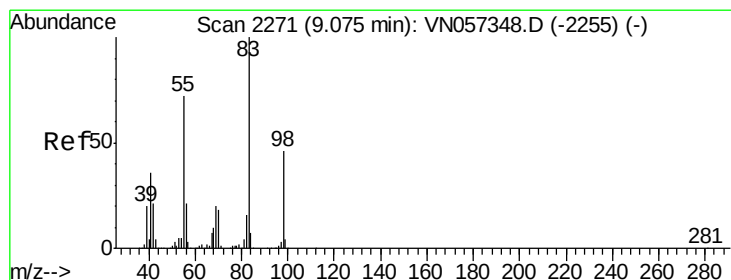
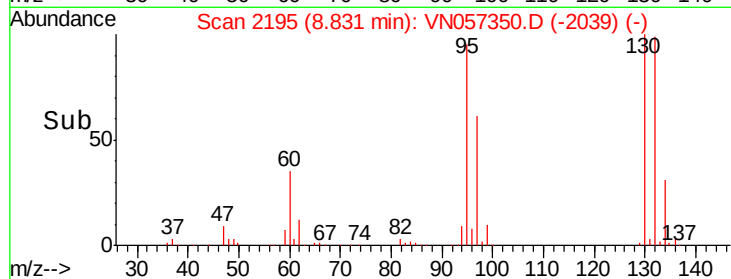
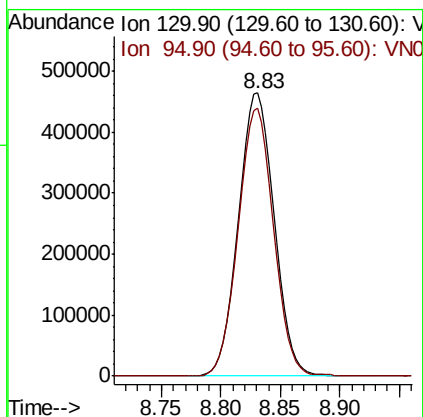
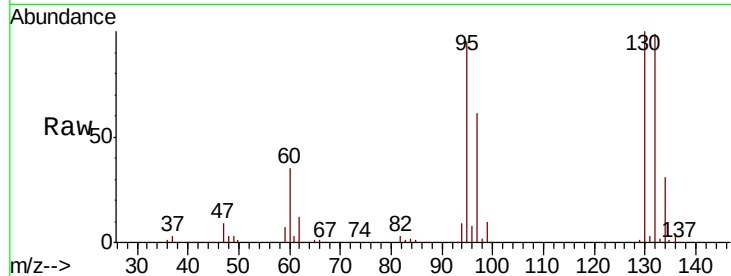




#37
 Trichloroethene
 Concen: 95.807 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

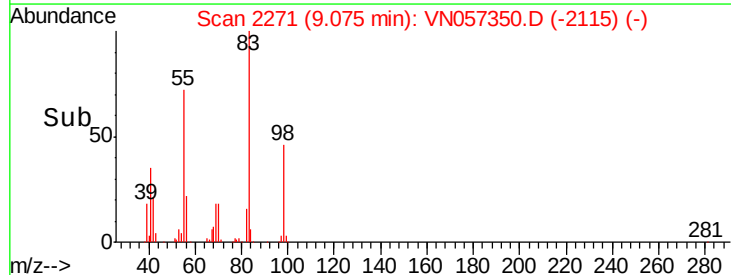
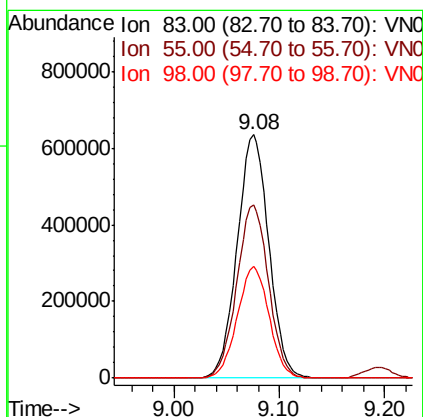
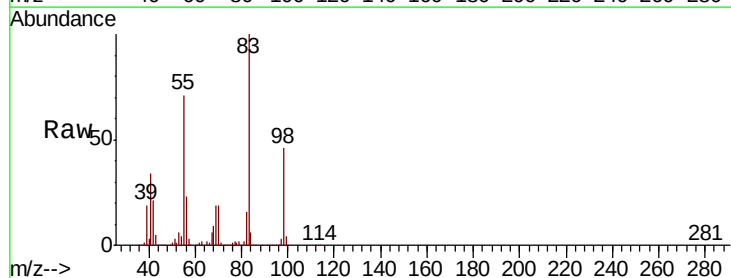
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

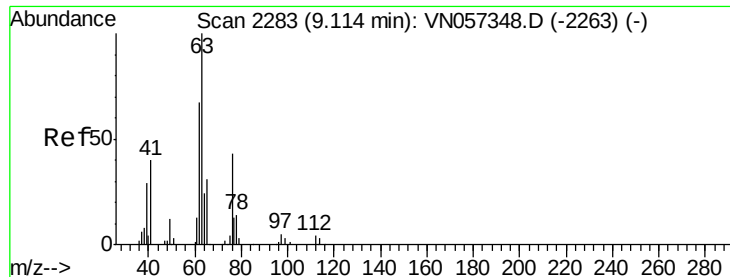
Tgt Ion:130 Resp: 968219
 Ion Ratio Lower Upper
 130 100
 95 94.5 78.4 117.6



#38
 Methylcyclohexane
 Concen: 97.737 ug/l
 RT: 9.08 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 83 Resp: 1324658
 Ion Ratio Lower Upper
 83 100
 55 71.5 38.4 115.2
 98 46.0 23.3 69.9

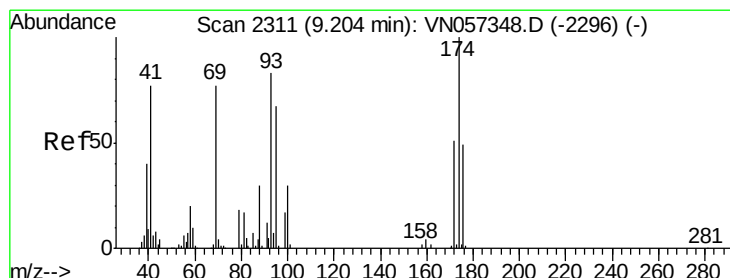
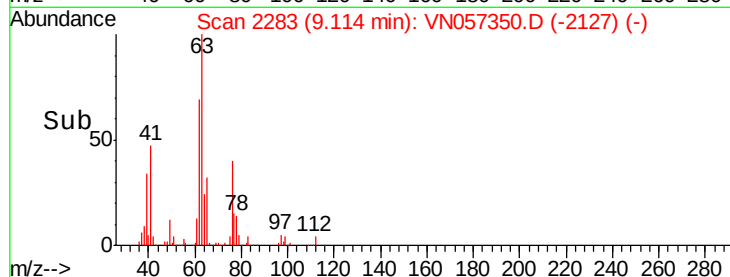
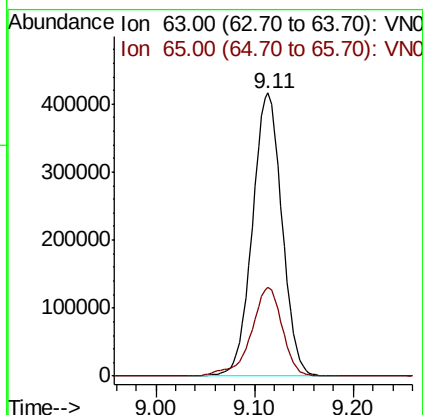
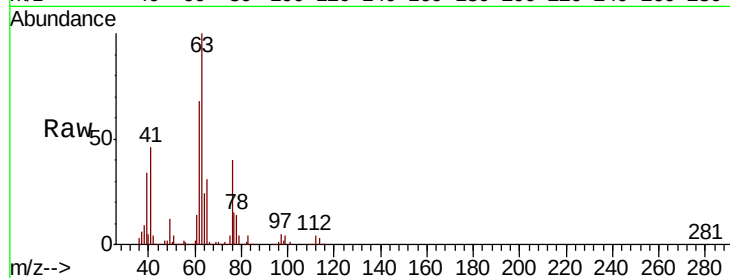




#39
 1,2-Dichloropropane
 Concen: 96.869 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

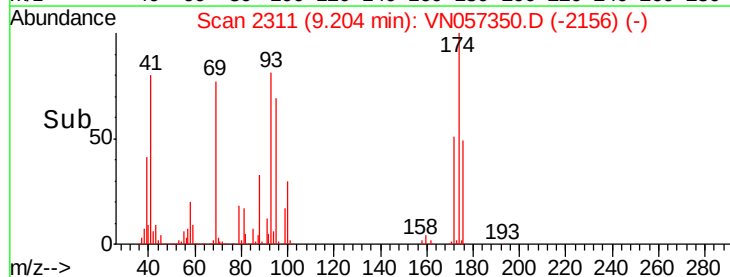
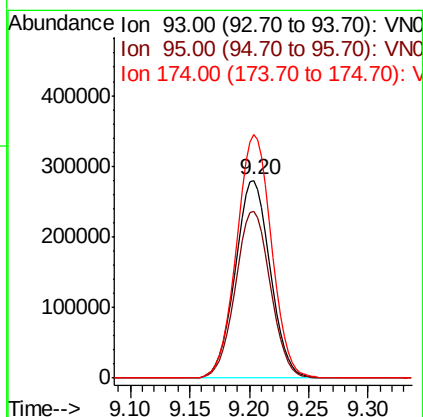
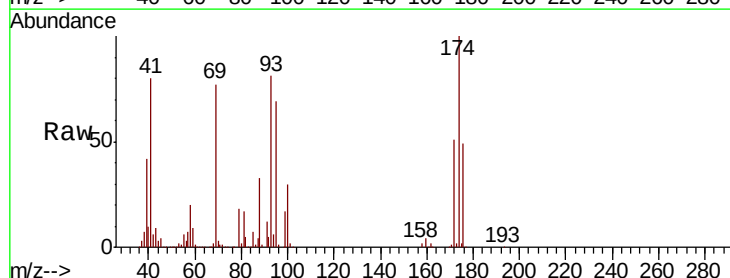
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

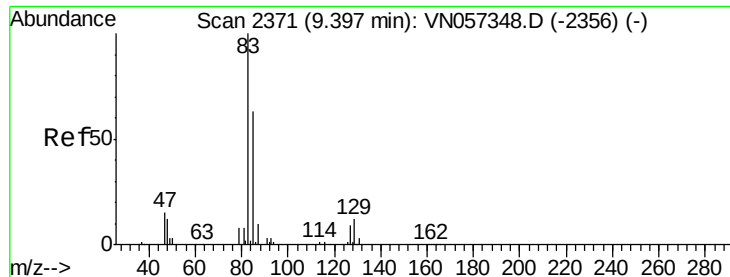
Tgt Ion: 63 Resp: 859565
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 36.8



#40
 Dibromomethane
 Concen: 96.759 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 93 Resp: 571178
 Ion Ratio Lower Upper
 93 100
 95 84.7 0.0 167.0
 174 122.9 0.0 224.2





#41

Bromodichloromethane

Concen: 97.188 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

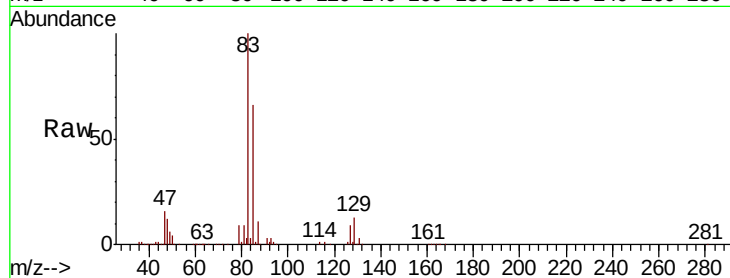
Tgt Ion: 83 Resp: 1162494

Ion Ratio Lower Upper

83 100

85 65.9 50.1 75.1

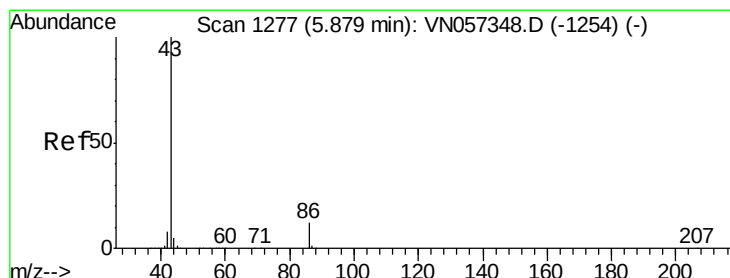
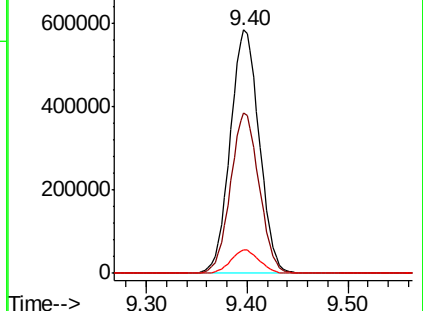
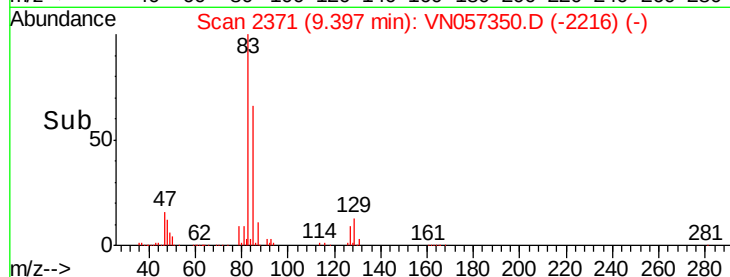
127 9.5 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN057350.D (-2216) (-)

Ion 85.00 (84.70 to 85.70): VN057350.D (-2216) (-)

Ion 127.00 (126.70 to 127.70): VN057350.D (-2216) (-)



#42

Vinyl Acetate

Concen: 492.419 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057350.D

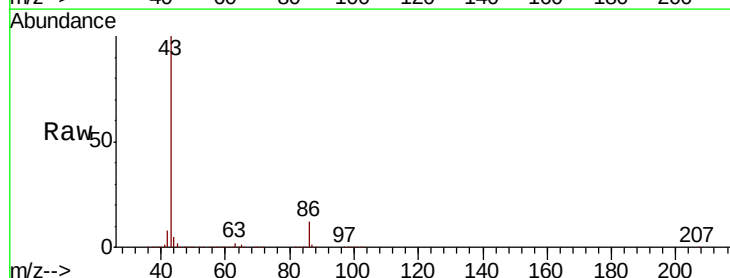
Acq: 16 Aug 2019 12:41

Tgt Ion: 43 Resp: 9355246

Ion Ratio Lower Upper

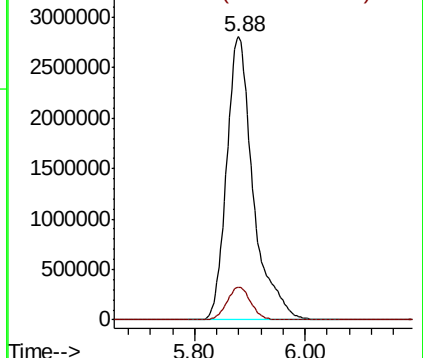
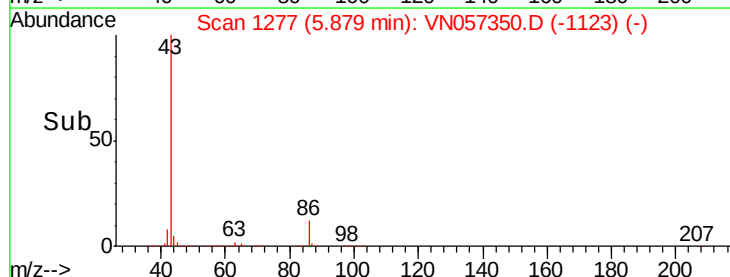
43 100

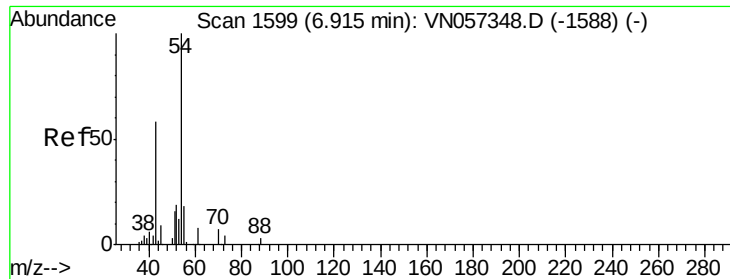
86 10.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN057350.D (-1123) (-)

Ion 86.00 (85.70 to 86.70): VN057350.D (-1123) (-)

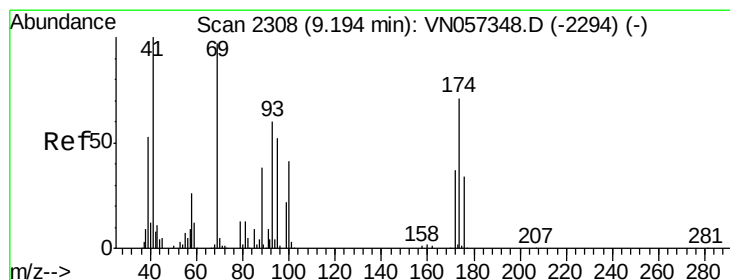
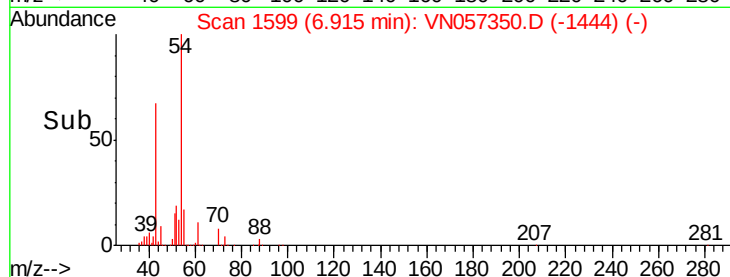
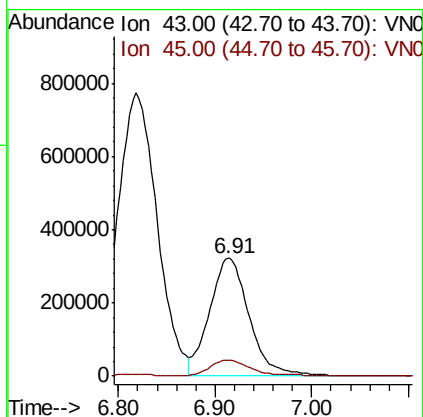
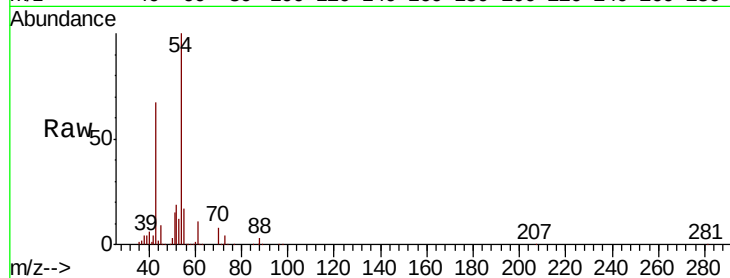




#43
 Ethyl Acetate
 Concen: 97.543 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

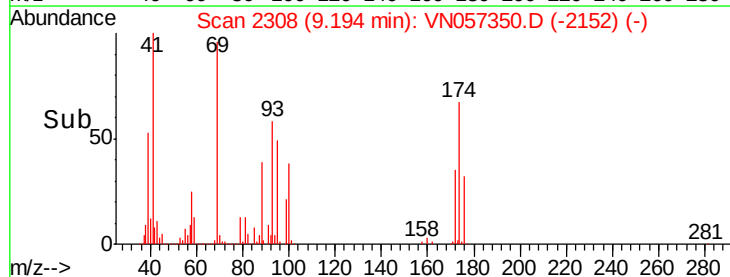
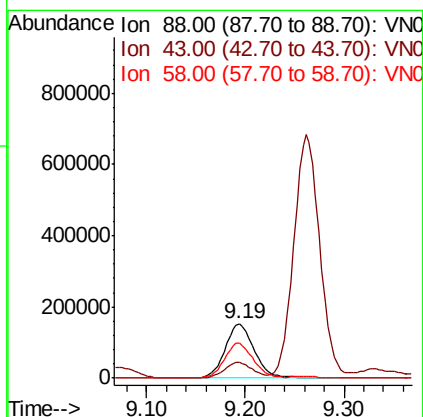
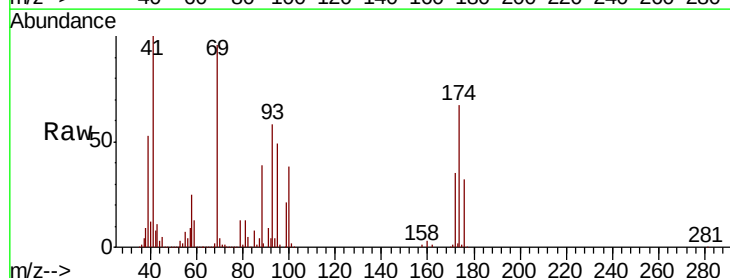
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

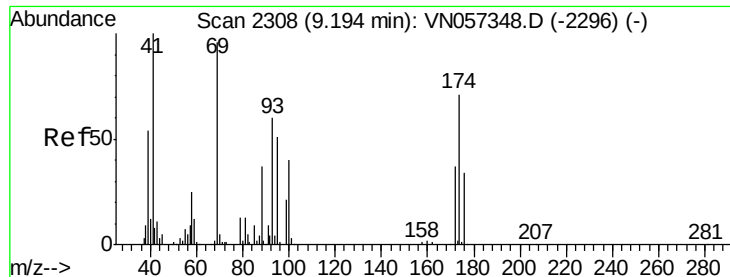
Tgt Ion: 43 Resp: 903621
 Ion Ratio Lower Upper
 43 100
 45 14.7 11.2 16.8



#45
 1,4-Dioxane
 Concen: 2055.121 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 88 Resp: 315806
 Ion Ratio Lower Upper
 88 100
 43 28.1 23.0 34.6
 58 63.7 54.6 81.8

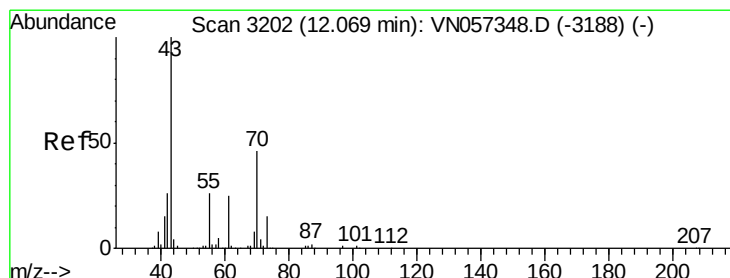
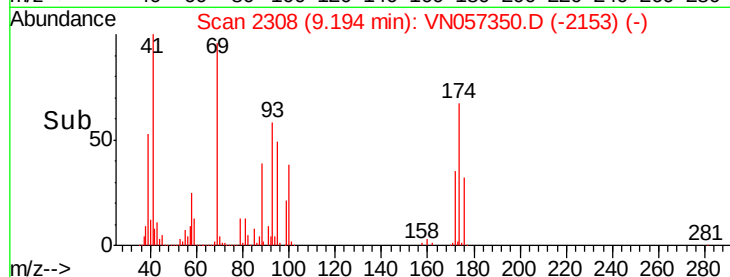
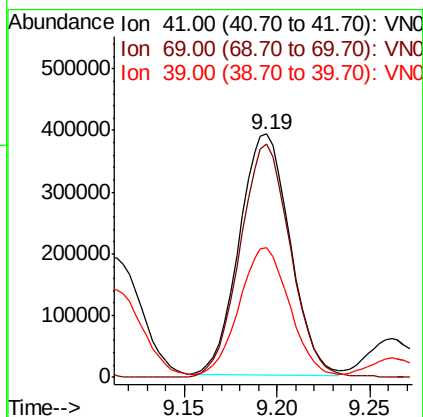
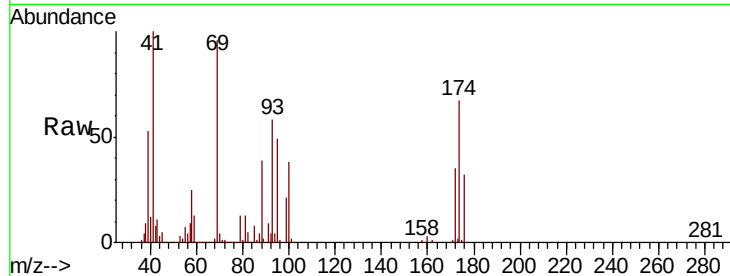




#46
Methyl methacrylate
Concen: 101.016 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

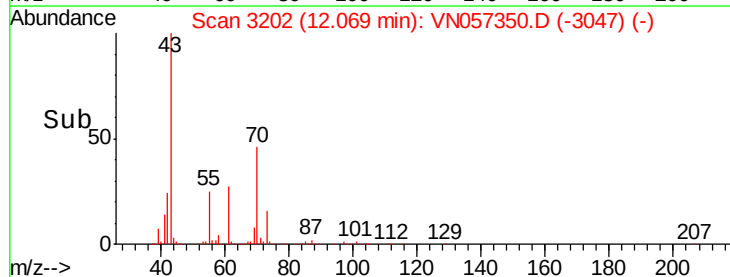
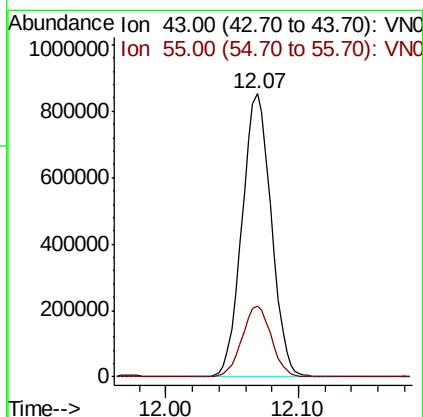
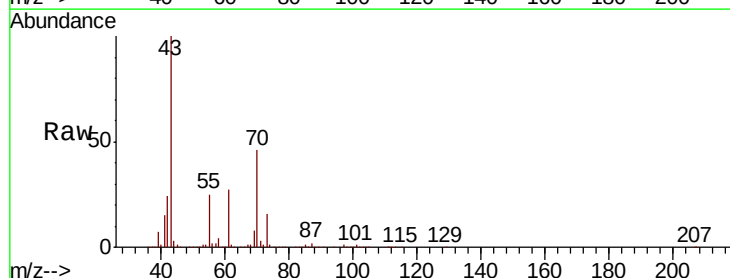
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

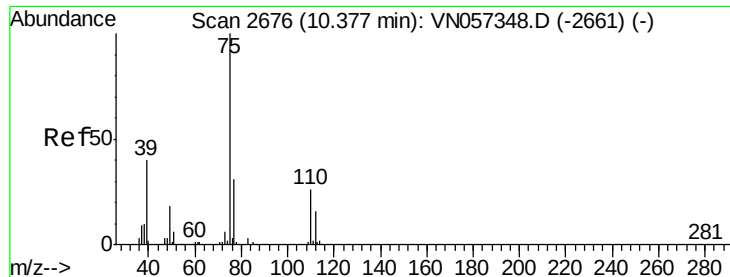
Tgt Ion: 41 Resp: 738421
Ion Ratio Lower Upper
41 100
69 96.6 43.0 129.0
39 52.6 25.1 75.4



#47
n-amyl Acetate
Concen: 108.426 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

Tgt Ion: 43 Resp: 1306009
Ion Ratio Lower Upper
43 100
55 25.2 20.7 31.1





#48

t-1,3-Dichloropropene

Concen: 100.126 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

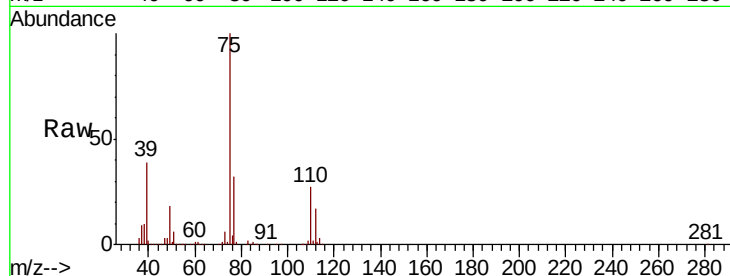
VSTDIC100

Tgt Ion: 75 Resp: 1295694

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

800000

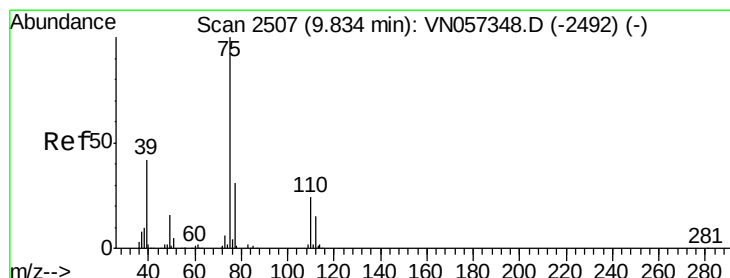
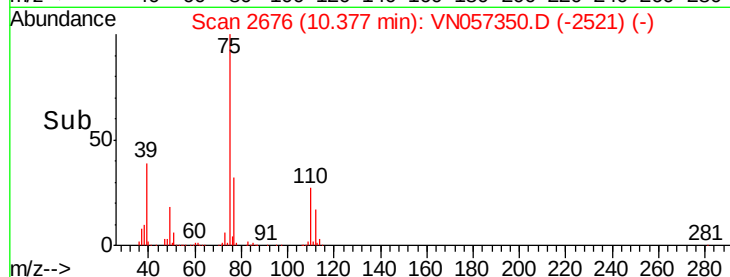
600000

400000

200000

0

Time-->



#49

cis-1,3-Dichloropropene

Concen: 98.746 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

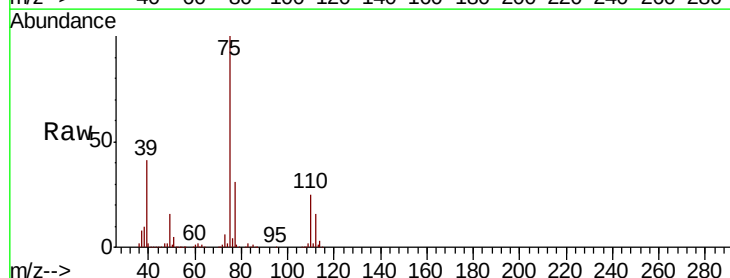
Tgt Ion: 75 Resp: 1422707

Ion Ratio Lower Upper

75 100

77 31.5 26.0 39.0

39 41.3 36.2 54.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

1000000

800000

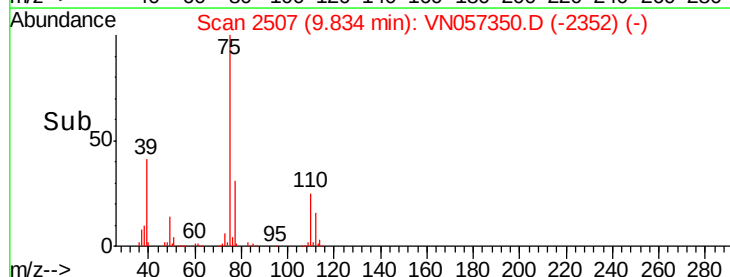
600000

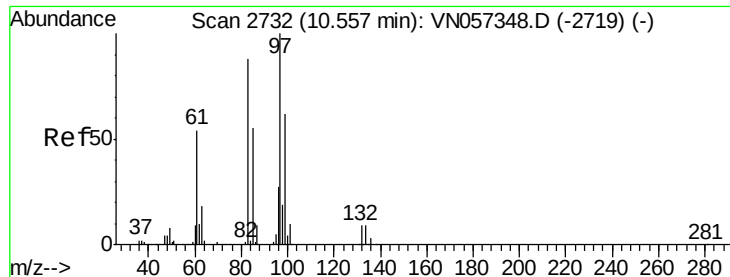
400000

200000

0

Time-->





#50

1,1,2-Trichloroethane

Concen: 96.299 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 829630

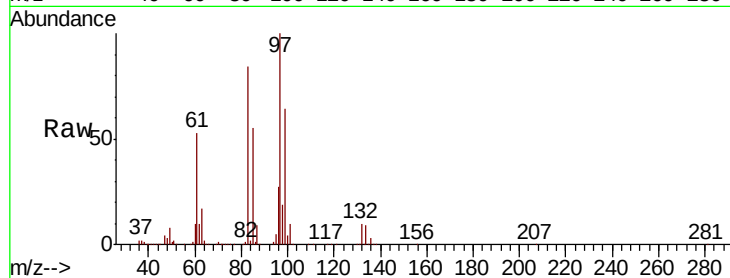
Ion Ratio Lower Upper

97 100

83 84.3 69.2 103.8

85 55.2 45.3 67.9

99 63.6 51.6 77.4

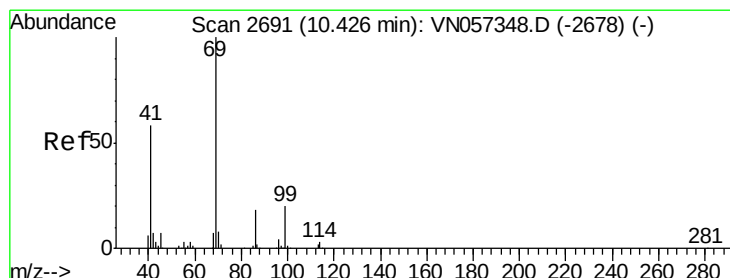
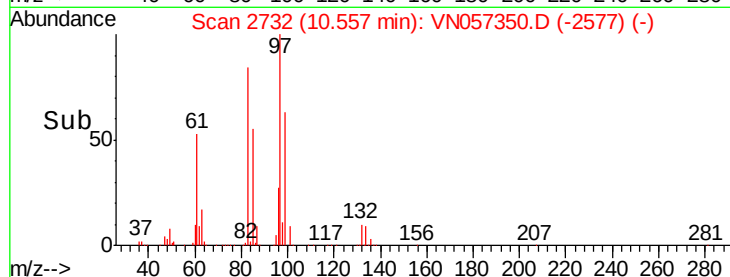
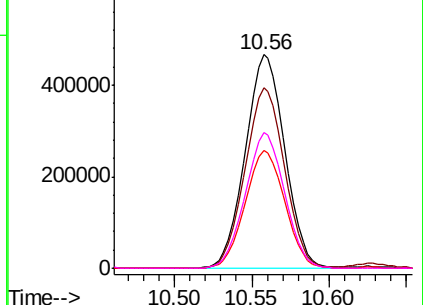


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#51

Ethyl methacrylate

Concen: 102.186 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

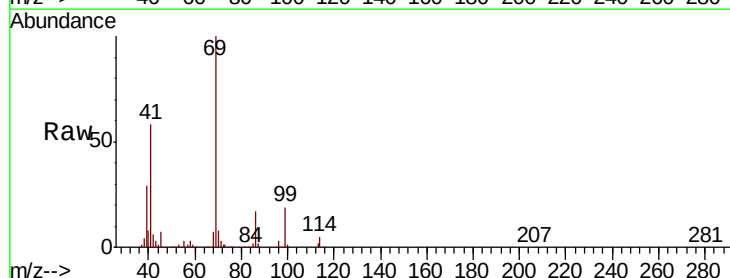
Tgt Ion: 69 Resp: 1276176

Ion Ratio Lower Upper

69 100

41 58.3 32.8 98.3

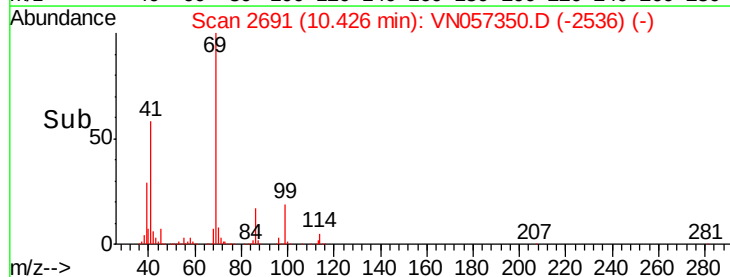
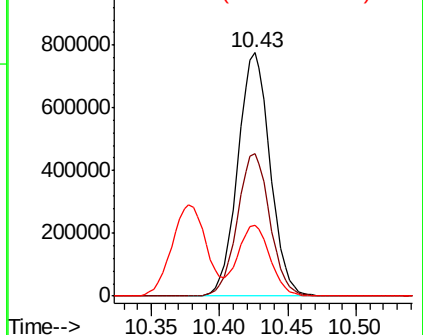
39 29.2 15.4 46.2

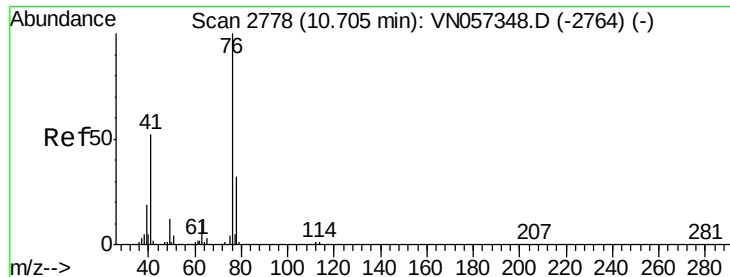


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#52

1,3-Dichloropropane

Concen: 97.433 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

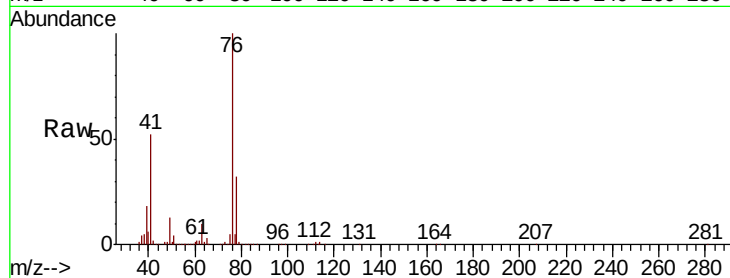
VSTDIC100

Tgt Ion: 76 Resp: 1370867

Ion Ratio Lower Upper

76 100

78 32.0 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN057348.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN057348.D (-2764) (-)

10.70

800000

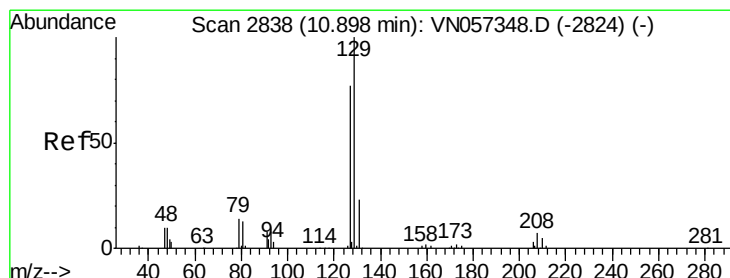
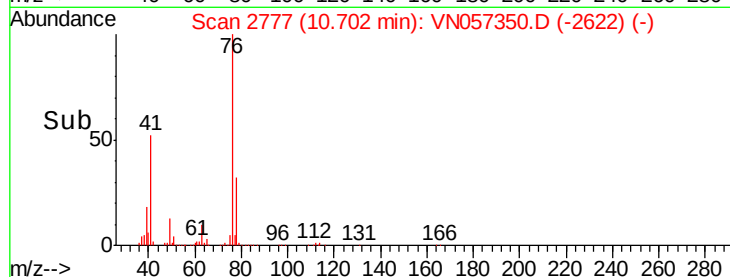
600000

400000

200000

0

Time--> 10.60 10.70 10.80



#53

Dibromochloromethane

Concen: 99.718 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057350.D

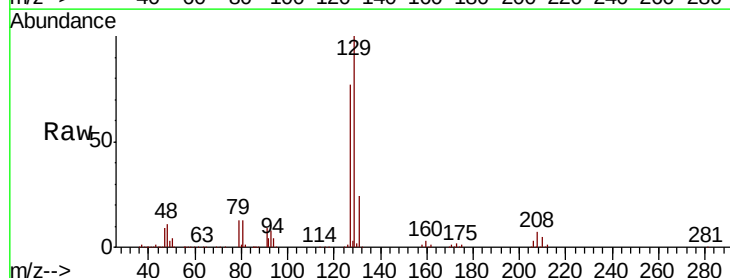
Acq: 16 Aug 2019 12:41

Tgt Ion: 129 Resp: 988370

Ion Ratio Lower Upper

129 100

127 77.7 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): VN057348.D (-2824) (-)

Ion 127.00 (126.70 to 127.70): VN057348.D (-2824) (-)

10.90

600000

500000

400000

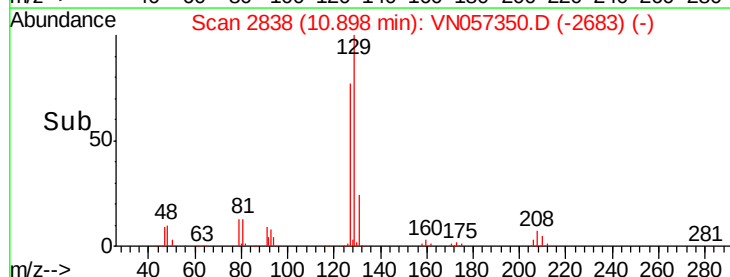
300000

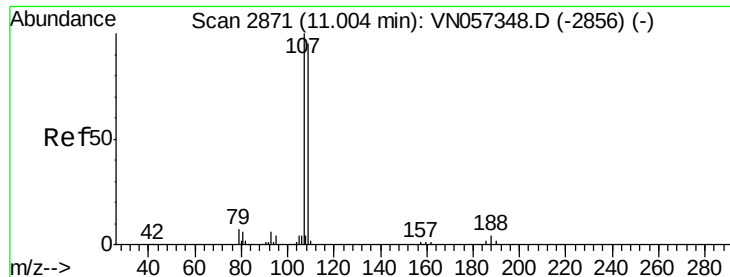
200000

100000

0

Time--> 10.80 10.85 10.90 10.95

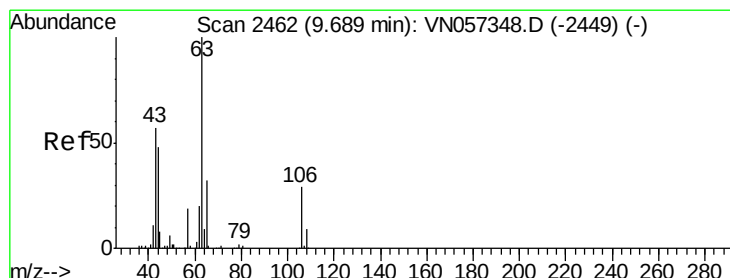
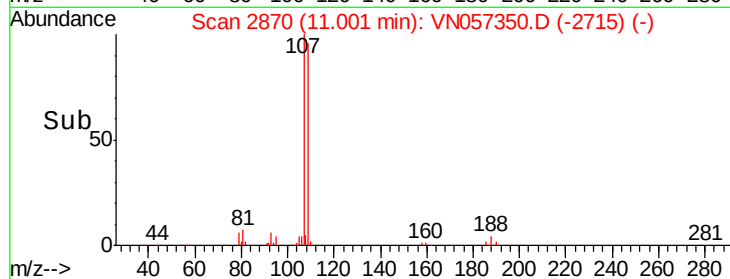
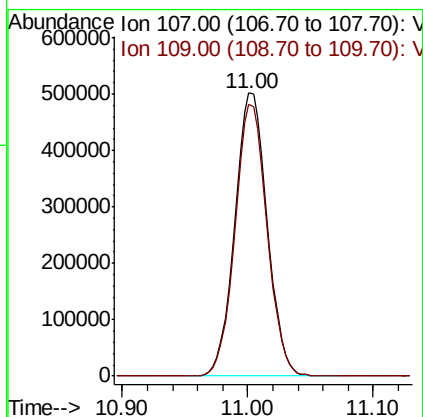
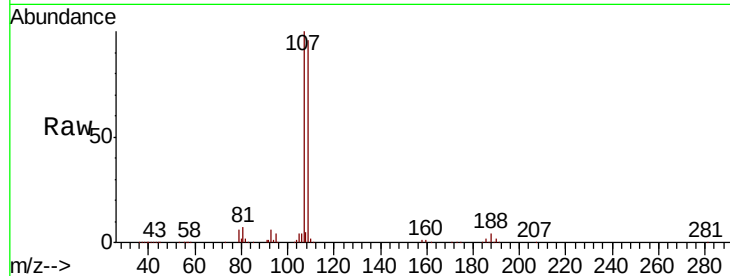




#54
 1,2-Dibromoethane
 Concen: 98.753 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

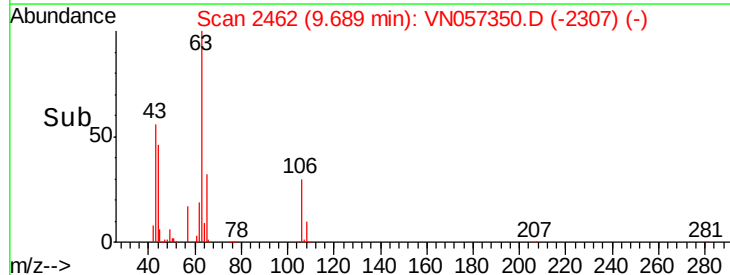
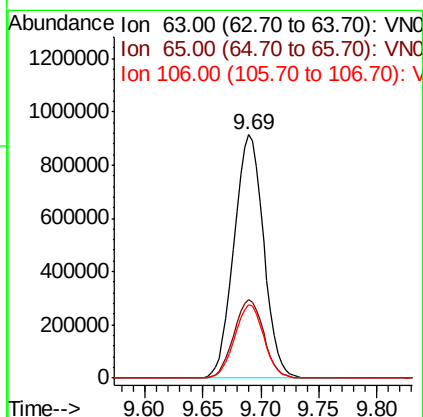
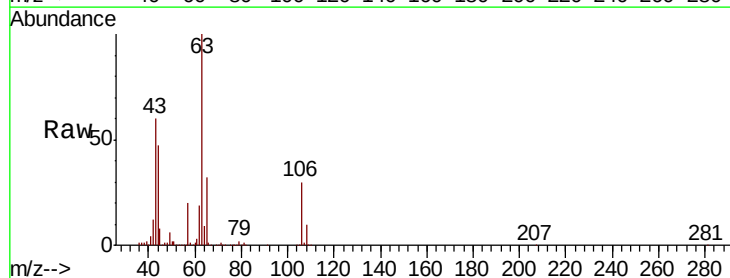
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

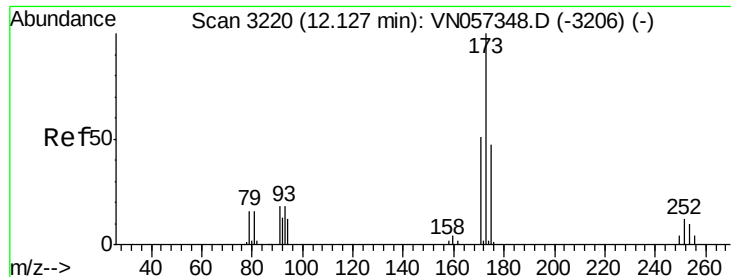
Tgt Ion: 107 Resp: 896014
 Ion Ratio Lower Upper
 107 100
 109 95.3 77.9 116.9



#55
 2-Chloroethyl vinyl ether
 Concen: 555.647 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 63 Resp: 1615346
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.2 37.8
 106 29.7 21.6 32.4

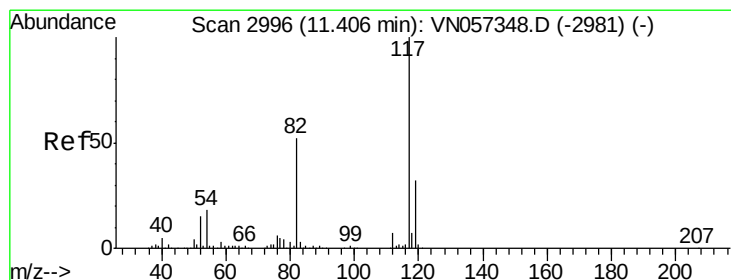
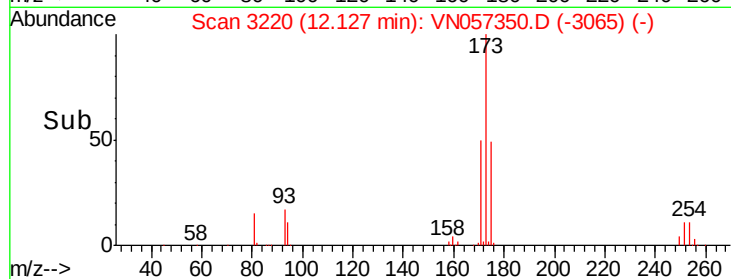
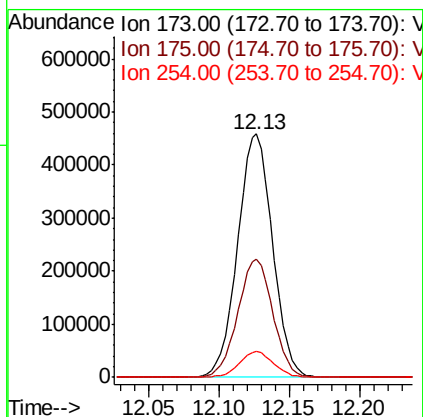
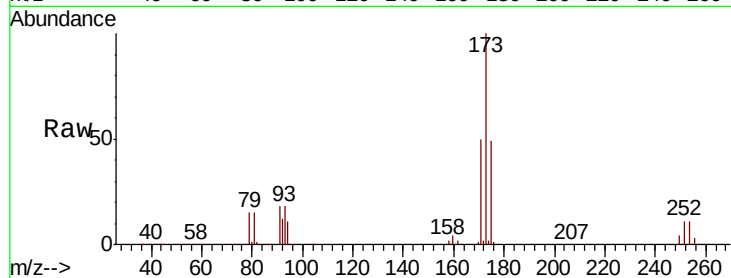




#56
Bromoform
Concen: 106.200 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

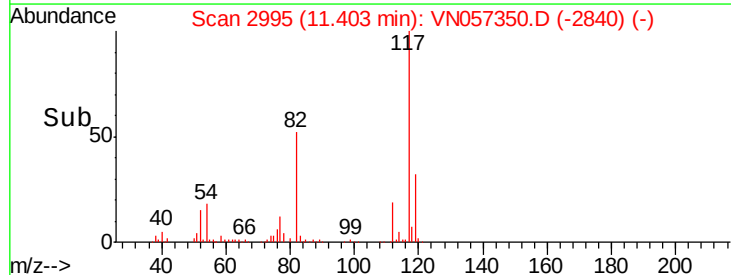
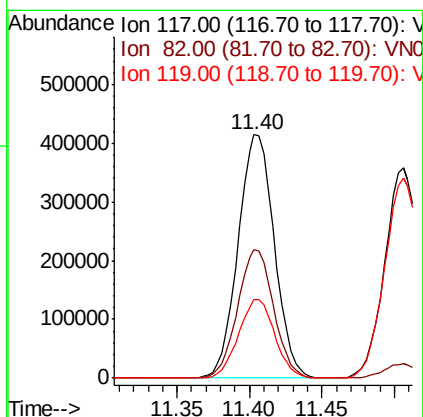
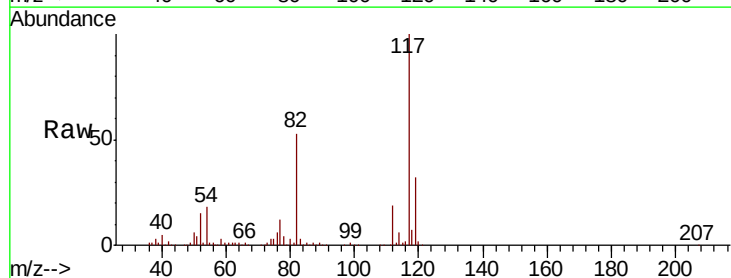
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

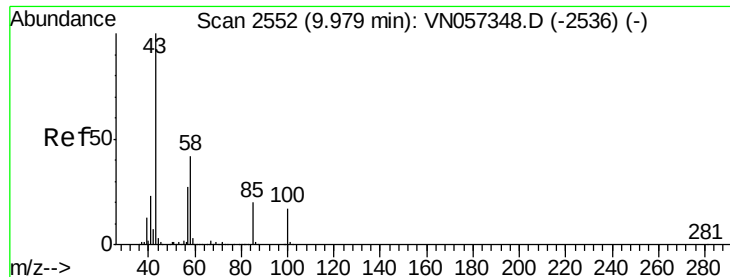
Tgt Ion:173 Resp: 794838
Ion Ratio Lower Upper
173 100
175 48.7 39.7 59.5
254 10.5 7.8 11.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

Tgt Ion:117 Resp: 720791
Ion Ratio Lower Upper
117 100
82 52.4 43.0 64.4
119 32.3 26.0 39.0

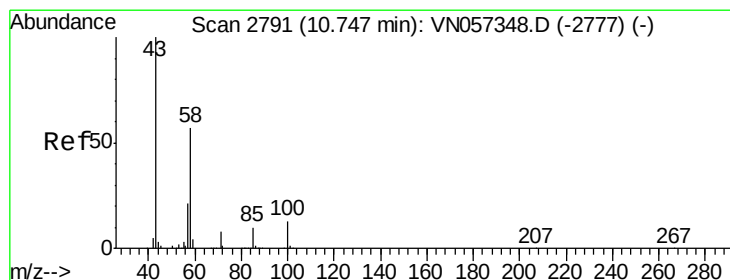
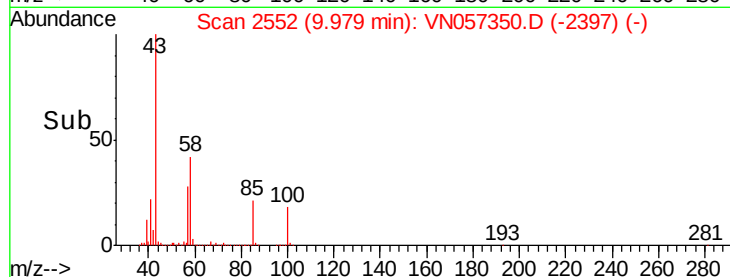
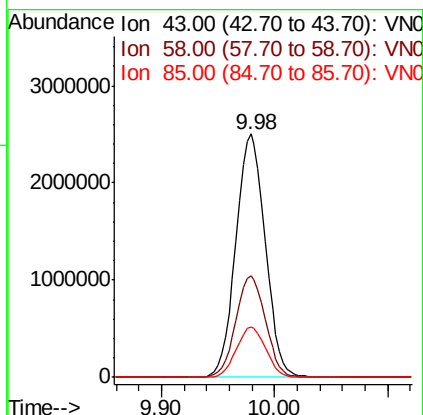
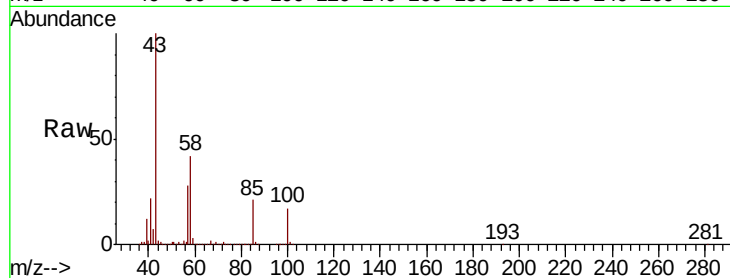




#58
 4-Methyl-2-Pentanone
 Concen: 482.289 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

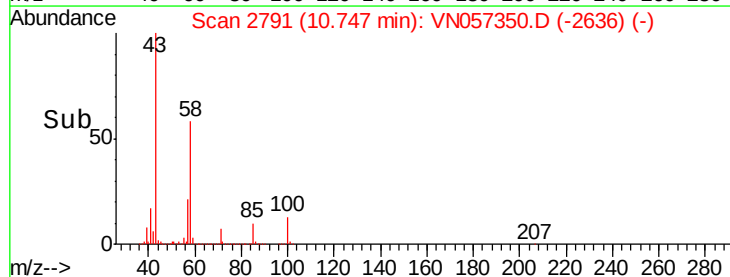
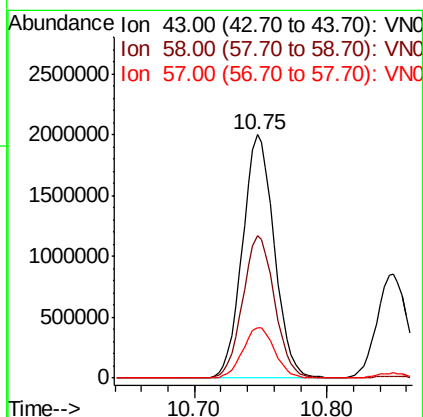
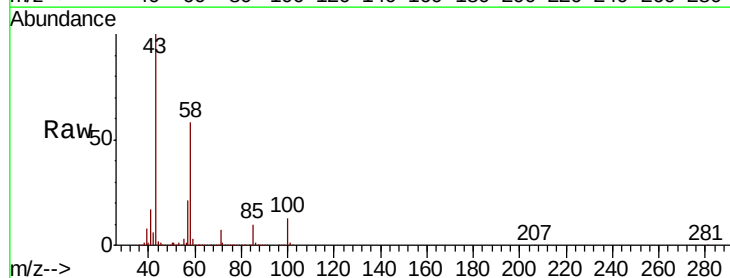
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

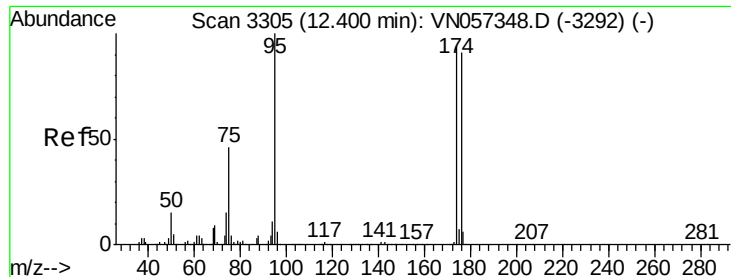
Tgt Ion: 43 Resp: 4528510
 Ion Ratio Lower Upper
 43 100
 58 42.3 31.9 47.9
 85 20.8 14.2 21.4



#59
 2-Hexanone
 Concen: 493.718 ug/l
 RT: 10.75 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 43 Resp: 3325010
 Ion Ratio Lower Upper
 43 100
 58 58.9 44.4 66.6
 57 20.9 15.2 22.8

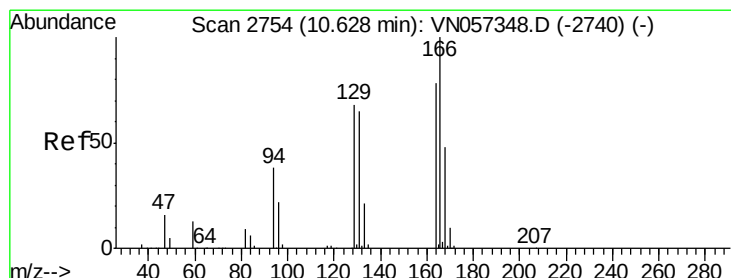
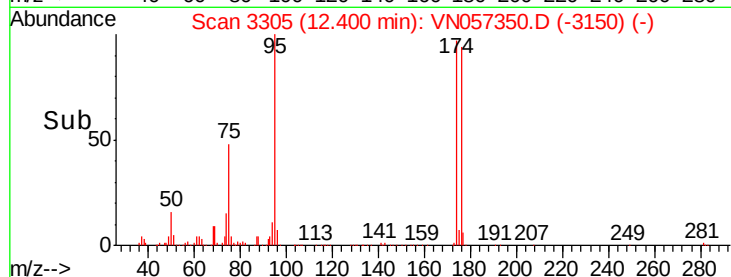
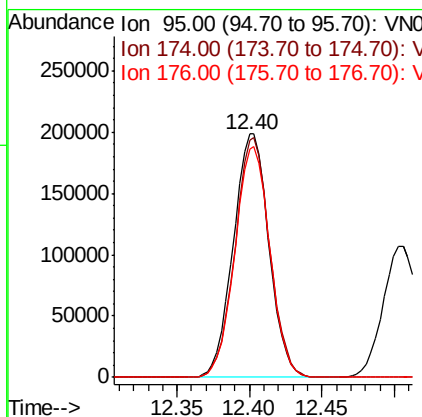
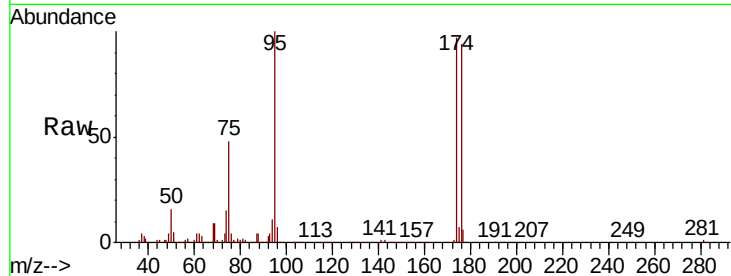




#60
4-Bromofluorobenzene
Concen: 31.813 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

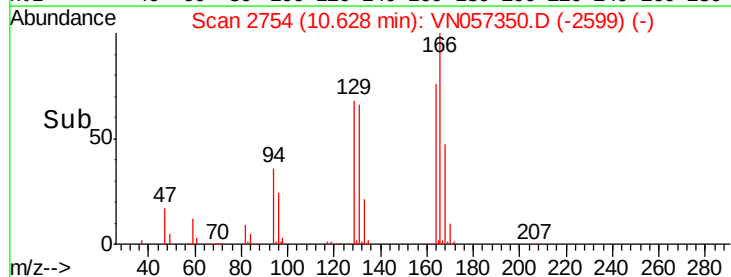
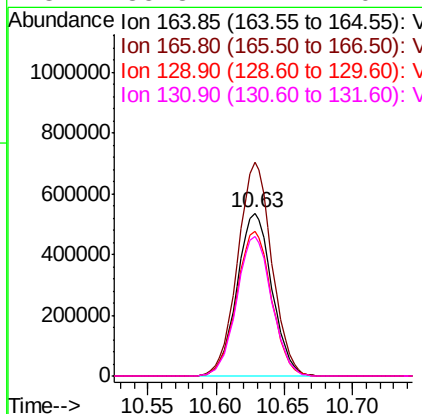
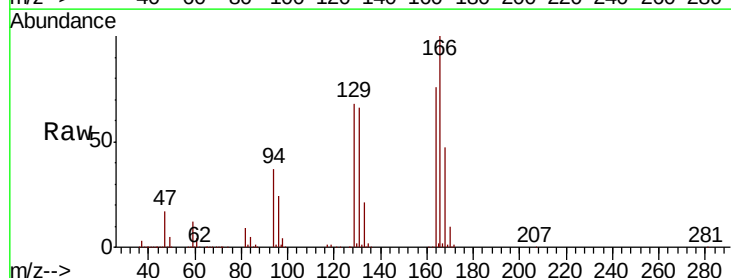
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

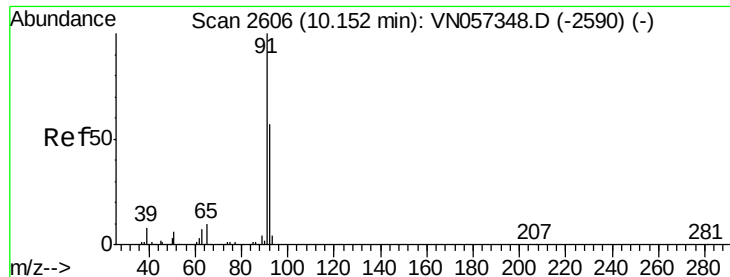
Tgt Ion: 95 Resp: 337663
Ion Ratio Lower Upper
95 100
174 95.9 72.6 108.8
176 93.3 71.0 106.6



#61
Tetrachloroethene
Concen: 89.960 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

Tgt Ion: 164 Resp: 950389
Ion Ratio Lower Upper
164 100
166 131.0 102.3 153.5
129 88.6 72.6 108.8
131 85.8 71.4 107.2





#62

Toluene

Concen: 94.293 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

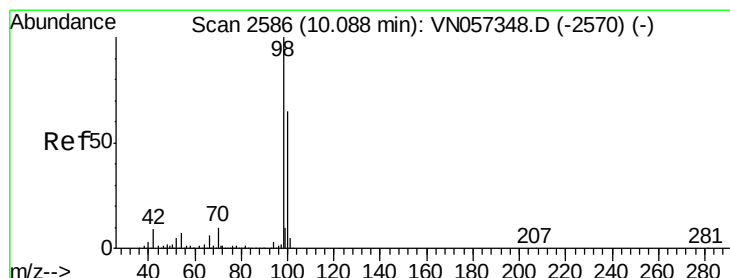
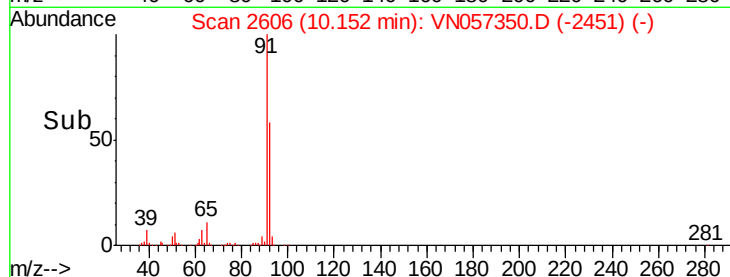
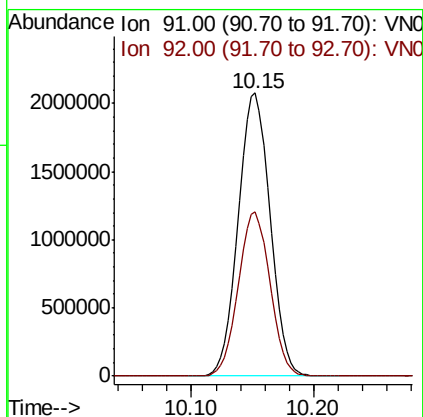
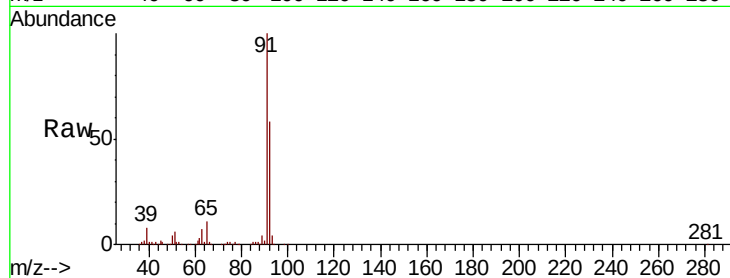
VSTDIC100

Tgt Ion: 91 Resp: 3748776

Ion Ratio Lower Upper

91 100

92 57.7 46.7 70.1



#63

Toluene-d8

Concen: 29.207 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057350.D

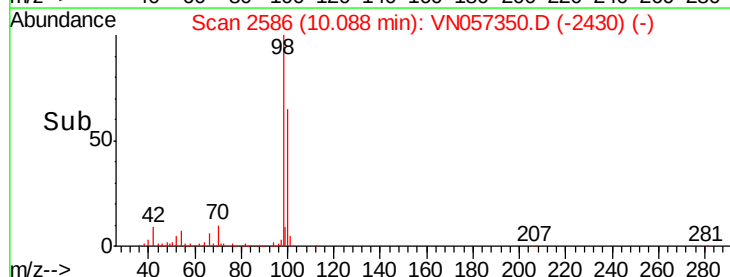
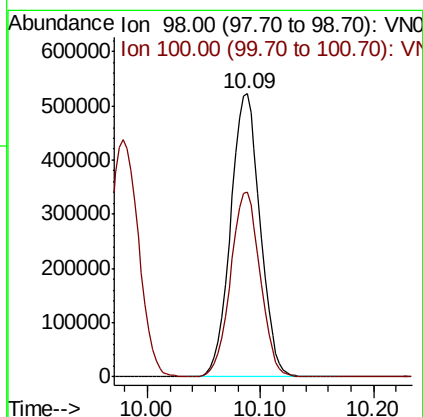
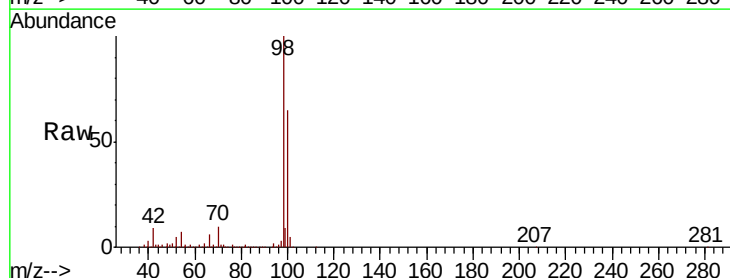
Acq: 16 Aug 2019 12:41

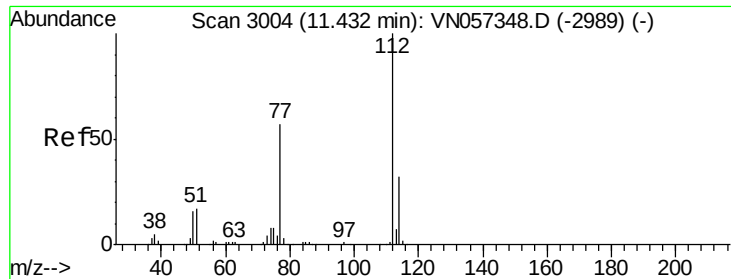
Tgt Ion: 98 Resp: 949563

Ion Ratio Lower Upper

98 100

100 65.6 51.1 76.7





#64

Chlorobenzene

Concen: 96.271 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

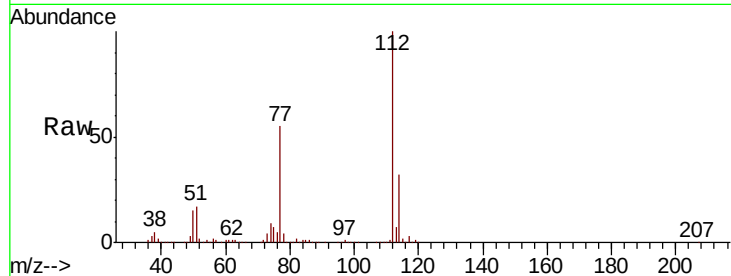
VSTDIC100

Tgt Ion:112 Resp: 2404355

Ion Ratio Lower Upper

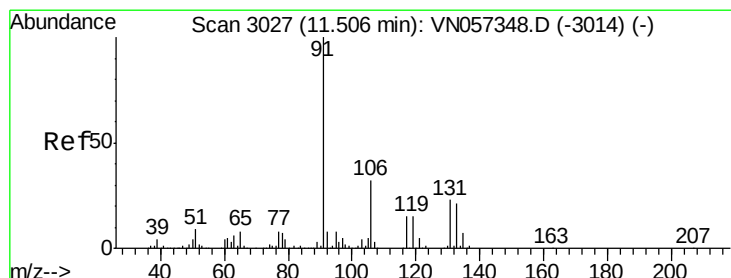
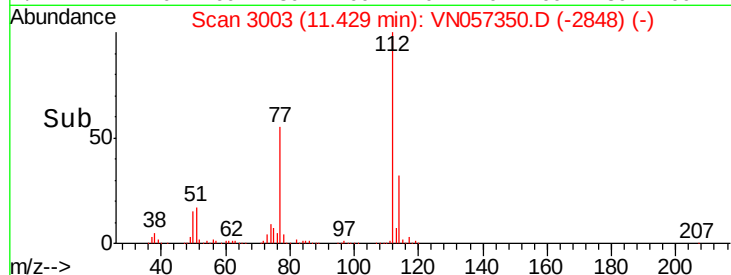
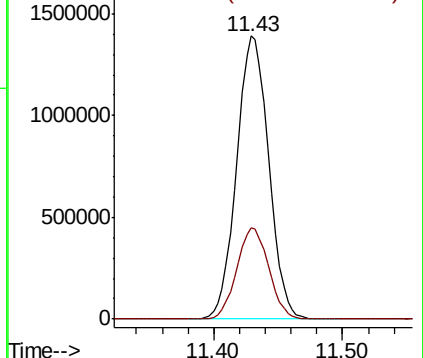
112 100

114 32.3 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 94.286 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

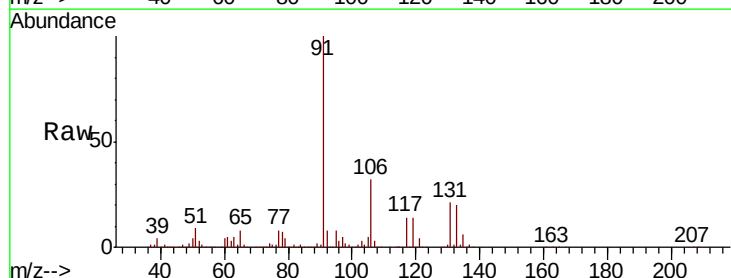
Tgt Ion:131 Resp: 915309

Ion Ratio Lower Upper

131 100

133 95.5 0.0 191.4

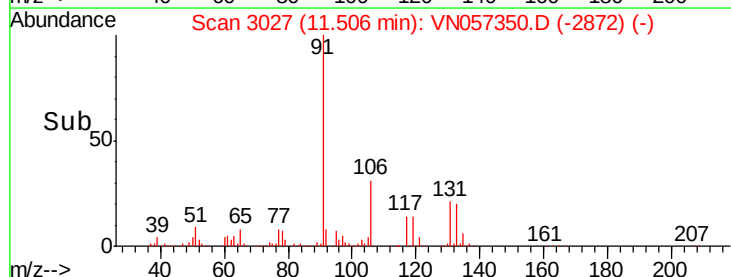
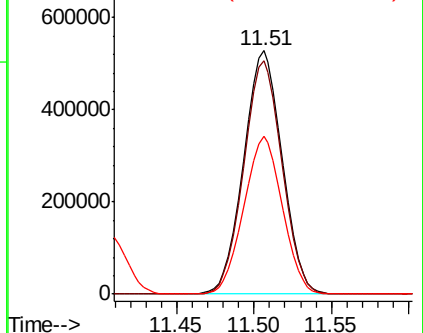
119 64.9 0.0 133.4

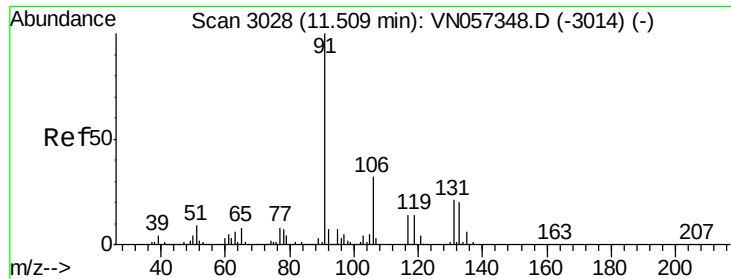


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#66

Ethyl Benzene

Concen: 97.084 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

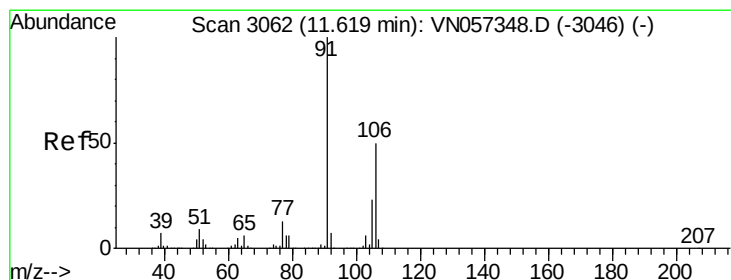
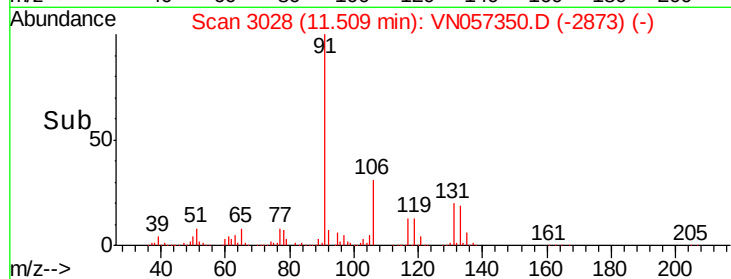
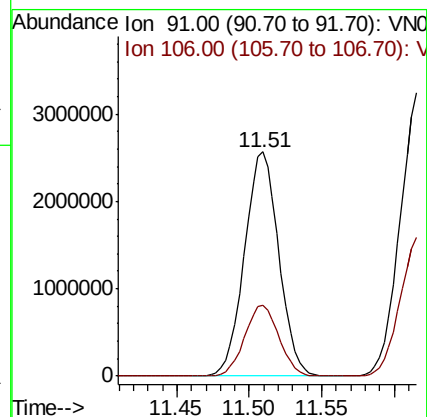
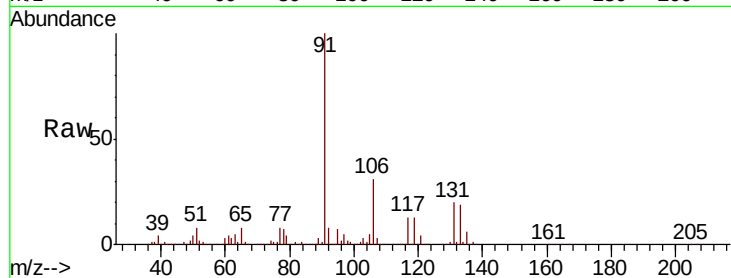
VSTDICC100

Tgt Ion: 91 Resp: 4216840

Ion Ratio Lower Upper

91 100

106 31.5 25.1 37.7



#67

m/p-Xylenes

Concen: 197.673 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057350.D

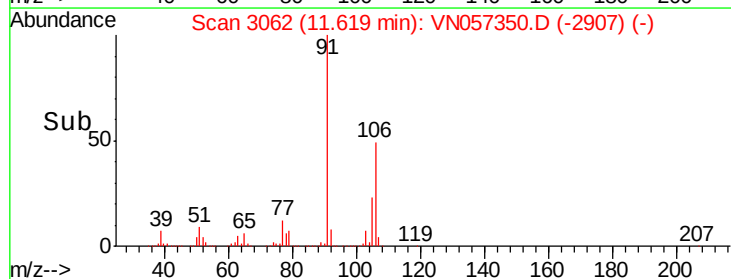
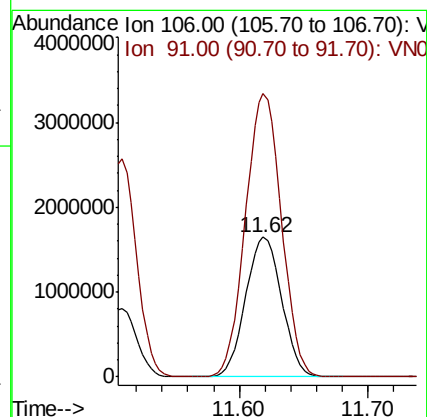
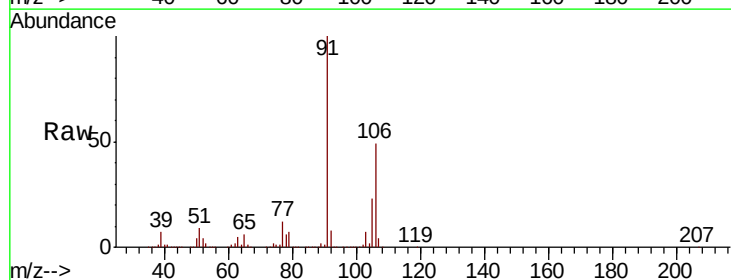
Acq: 16 Aug 2019 12:41

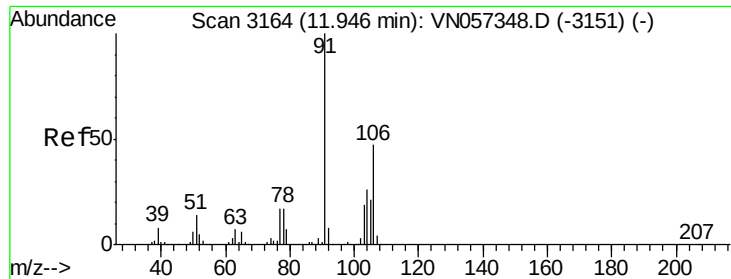
Tgt Ion: 106 Resp: 3213479

Ion Ratio Lower Upper

106 100

91 201.7 161.8 242.8

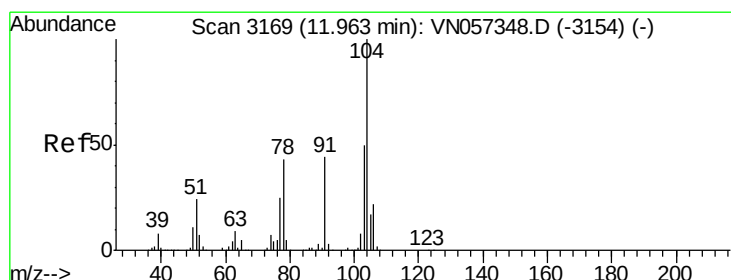
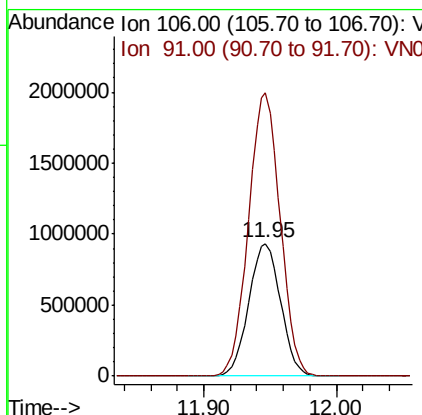
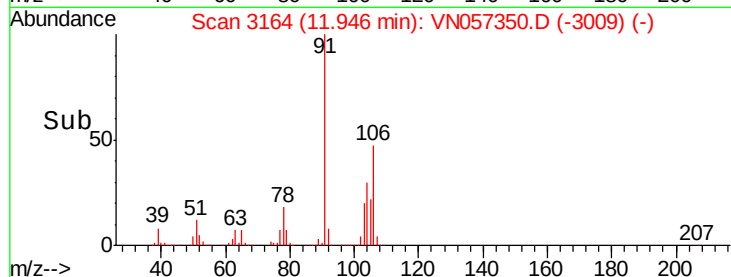
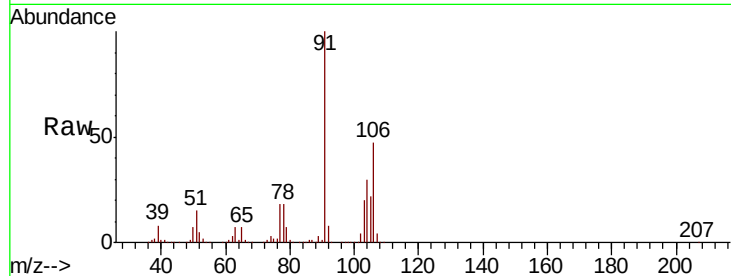




#68
o-Xylene
Concen: 98.031 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

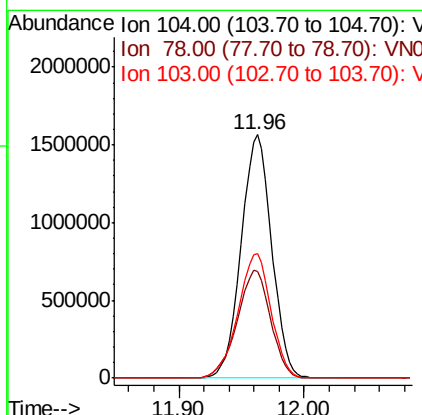
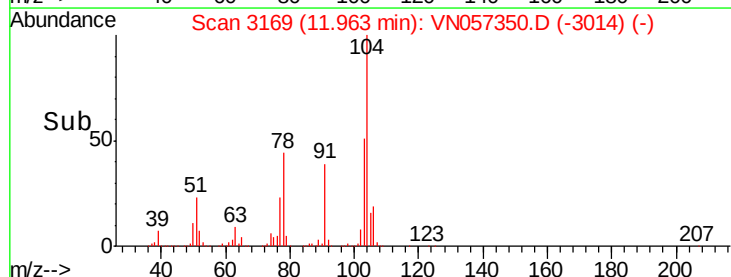
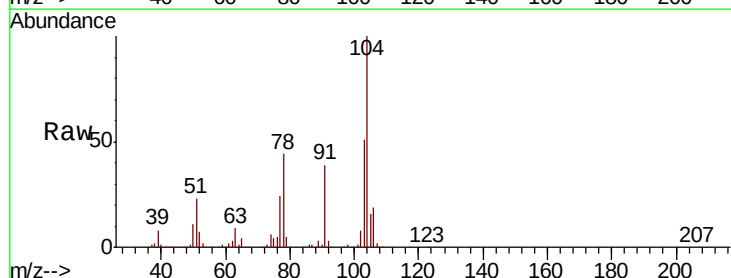
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

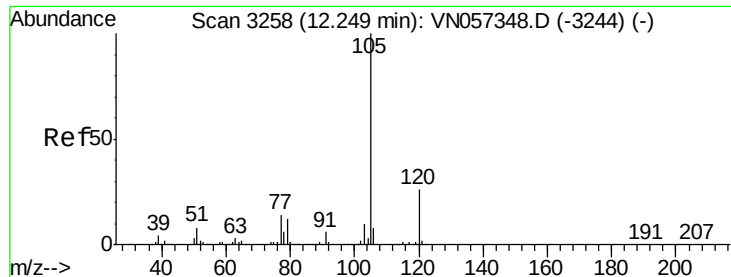
Tgt Ion:106 Resp: 1557947
Ion Ratio Lower Upper
106 100
91 212.5 108.1 324.2



#69
Styrene
Concen: 103.852 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057350.D
Acq: 16 Aug 2019 12:41

Tgt Ion:104 Resp: 2651557
Ion Ratio Lower Upper
104 100
78 48.3 38.7 58.1
103 55.2 45.0 67.4





#70

Isopropylbenzene

Concen: 98.736 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

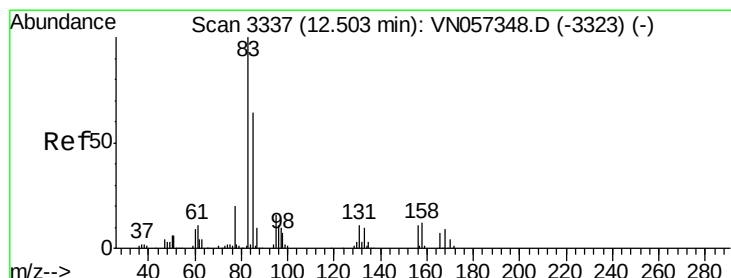
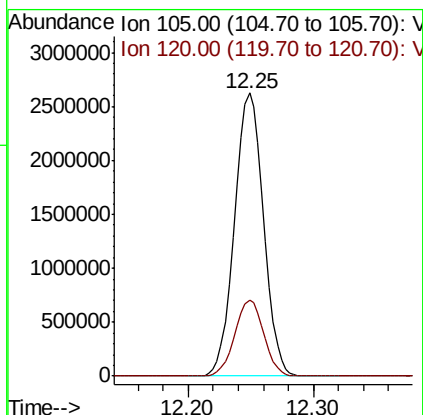
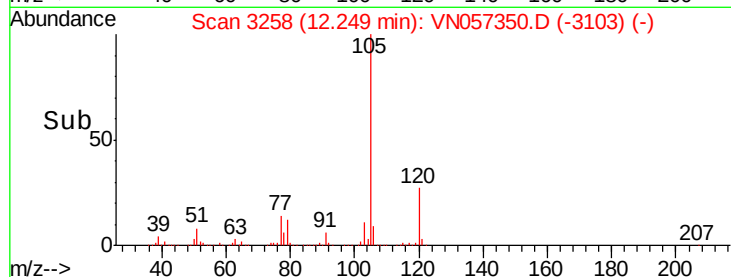
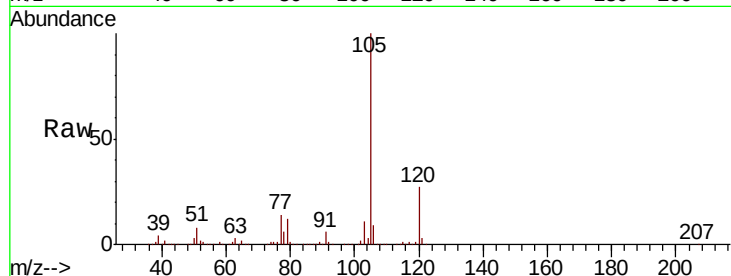
VSTDIC100

Tgt Ion:105 Resp: 4206814

Ion Ratio Lower Upper

105 100

120 26.9 18.6 34.5



#71

1,1,2,2-Tetrachloroethane

Concen: 97.798 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

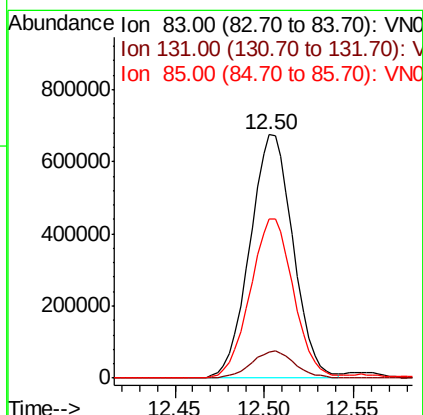
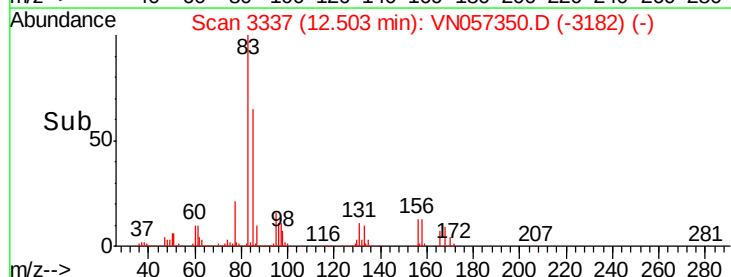
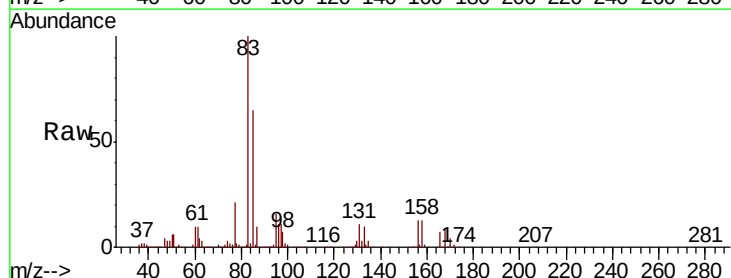
Tgt Ion: 83 Resp: 1141447

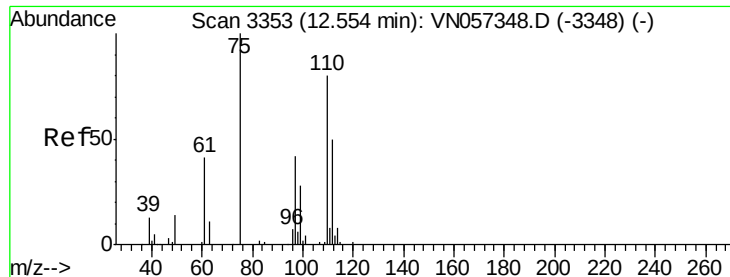
Ion Ratio Lower Upper

83 100

131 11.3 5.1 15.3

85 65.4 31.9 95.7





#72

1,2,3-Trichloropropane

Concen: 149.545 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampled :

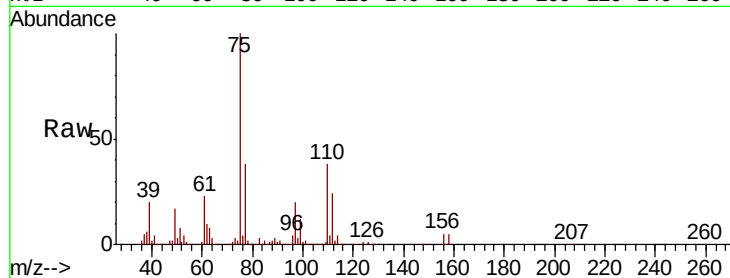
VSTDIC100

Tgt Ion: 75 Resp: 1472917

Ion Ratio Lower Upper

75 100

77 134.6 0.0 352.2



Abundance Ion 75.00 (74.70 to 75.70): VN057348.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057348.D (-3348) (-)

1000000

800000

600000

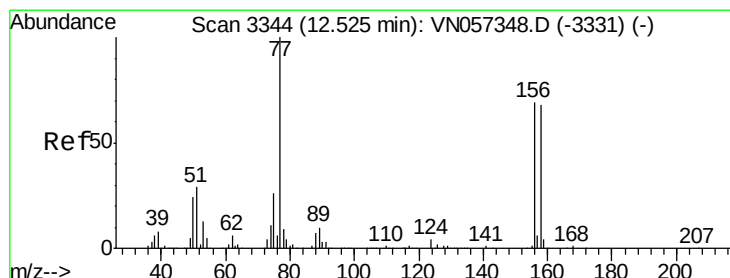
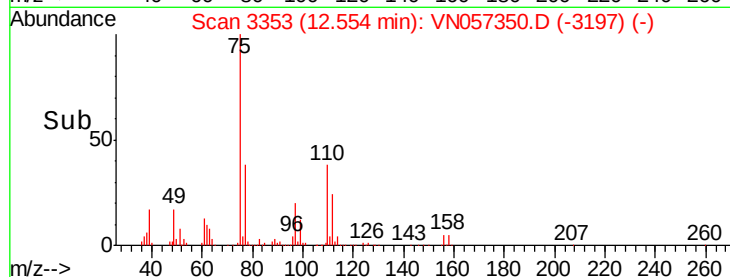
400000

200000

0

12.50 12.55 12.60

Time-->



#73

Bromobenzene

Concen: 101.047 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

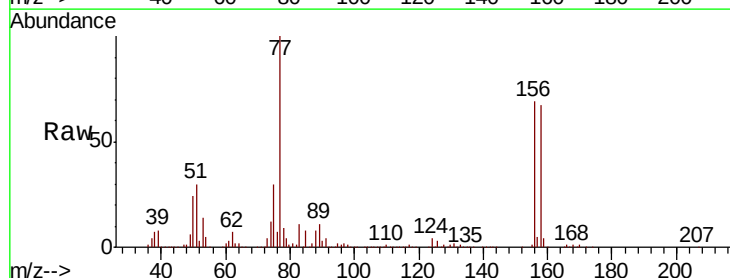
Tgt Ion: 156 Resp: 1140875

Ion Ratio Lower Upper

156 100

77 173.8 0.0 381.8

158 97.6 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): VN057348.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN057348.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN057348.D (-3331) (-)

1200000

1000000

800000

600000

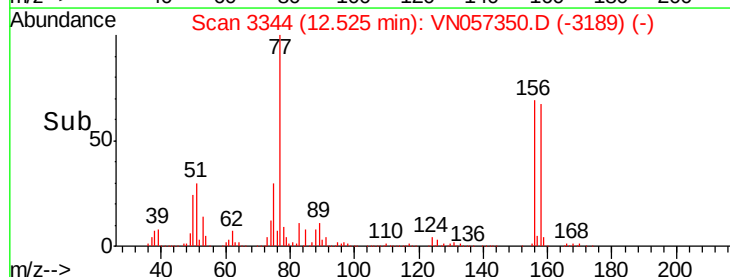
400000

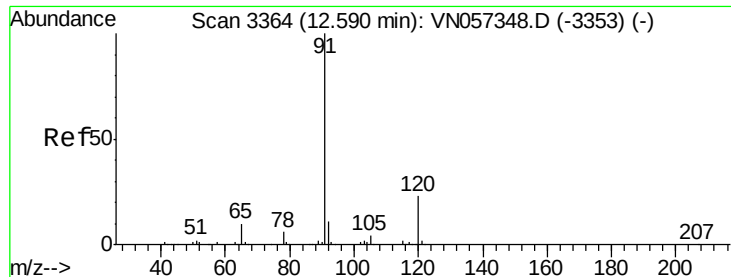
200000

0

12.50 12.53 12.60

Time-->





#74

n-propylbenzene

Concen: 103.953 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

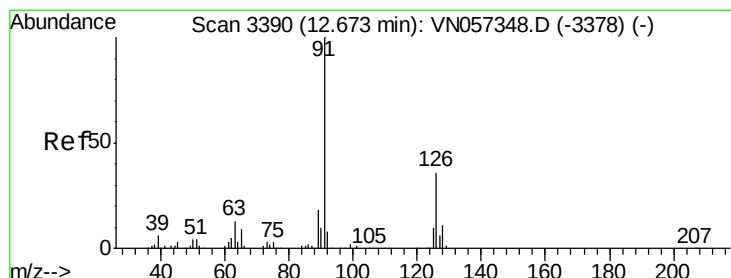
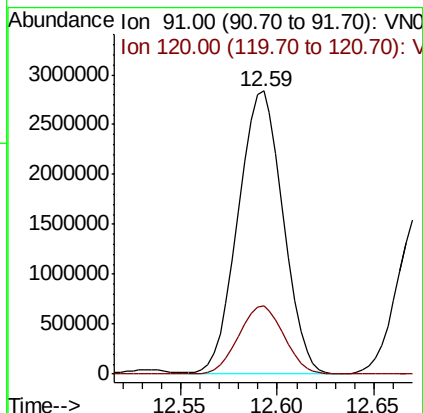
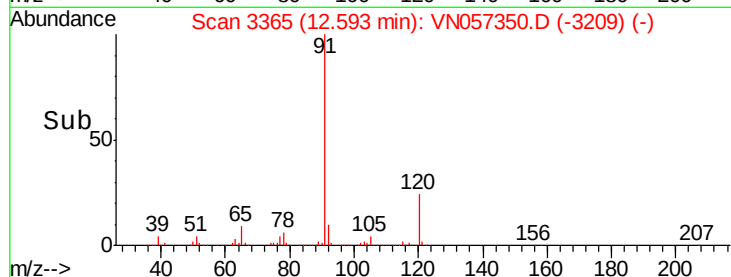
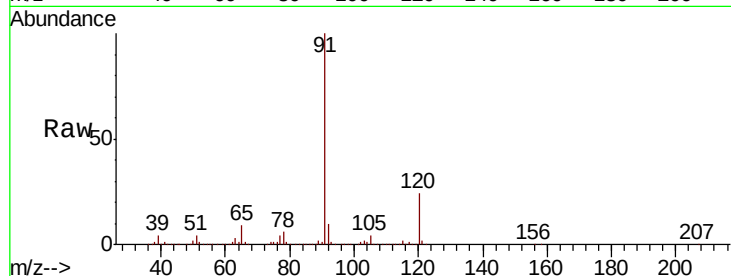
VSTDIC100

Tgt Ion: 91 Resp: 4600581

Ion Ratio Lower Upper

91 100

120 24.1 0.0 45.6



#75

2-Chlorotoluene

Concen: 100.803 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057350.D

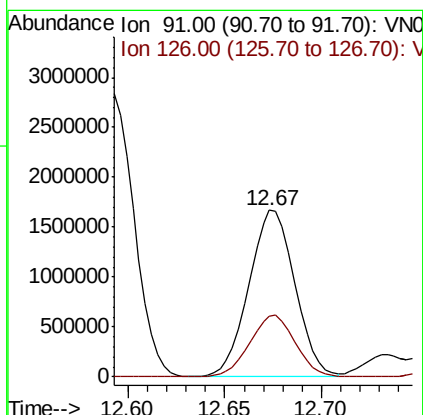
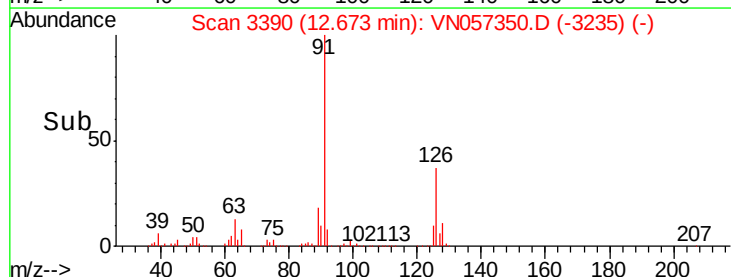
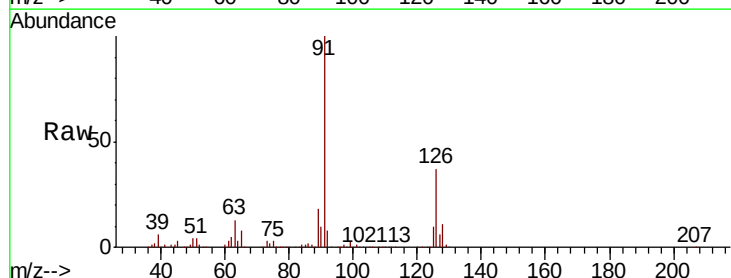
Acq: 16 Aug 2019 12:41

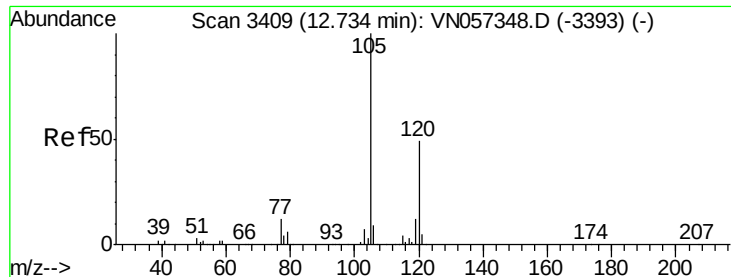
Tgt Ion: 91 Resp: 2768405

Ion Ratio Lower Upper

91 100

126 36.6 0.0 69.8





#76

1,3,5-Trimethylbenzene

Concen: 100.488 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampled :

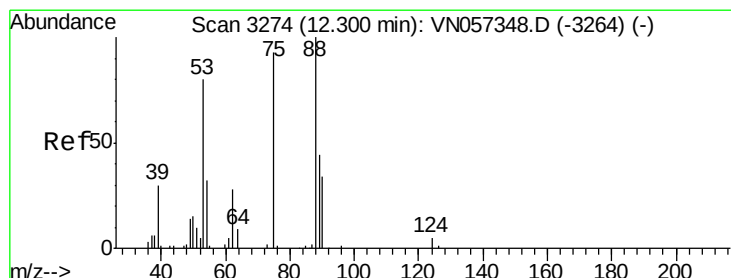
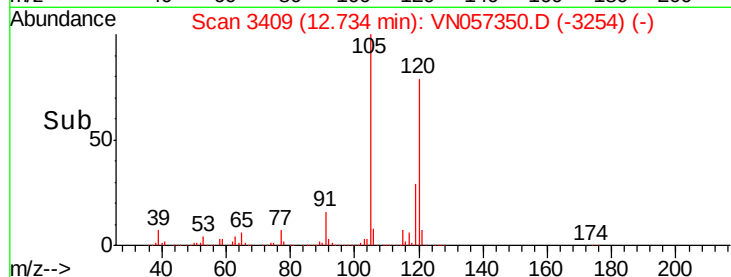
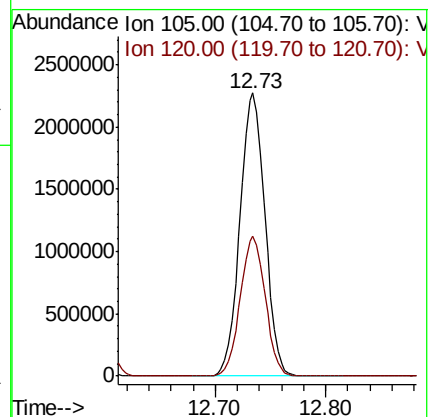
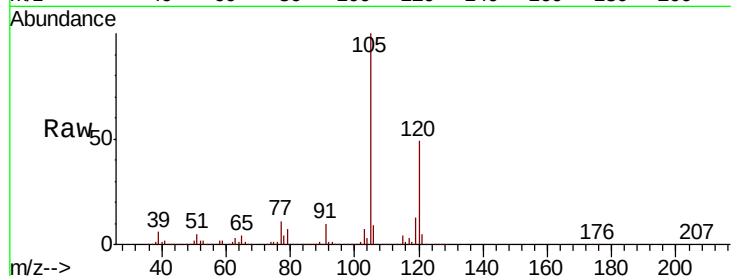
VSTDIC100

Tgt Ion:105 Resp: 3560961

Ion Ratio Lower Upper

105 100

120 49.4 0.0 97.6



#77

t-1,4-Dichloro-2-butene

Concen: 107.657 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

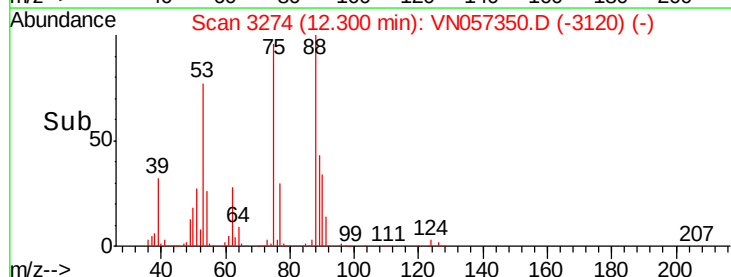
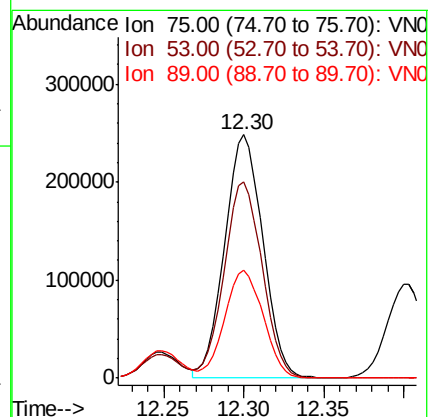
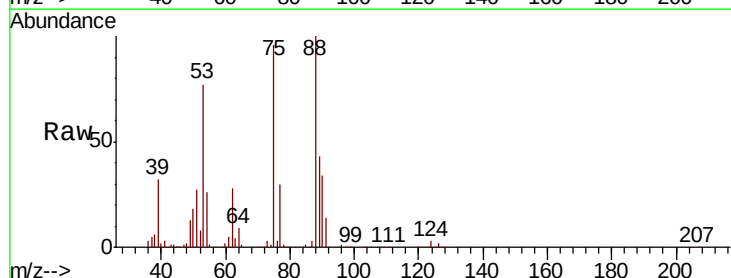
Tgt Ion: 75 Resp: 406883

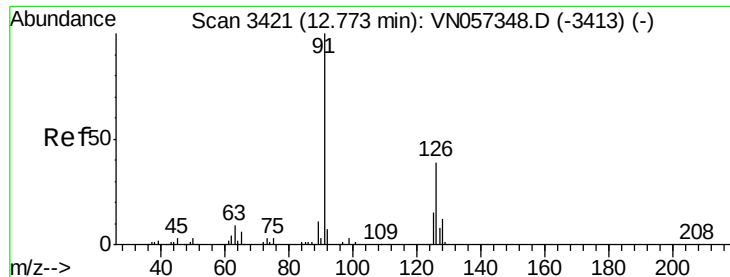
Ion Ratio Lower Upper

75 100

53 80.4 48.6 145.8

89 44.5 21.3 64.0





#78

4-Chlorotoluene

Concen: 106.444 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

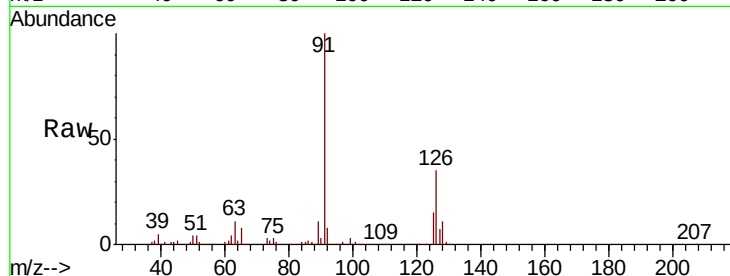
VSTDIC100

Tgt Ion: 91 Resp: 2735201

Ion Ratio Lower Upper

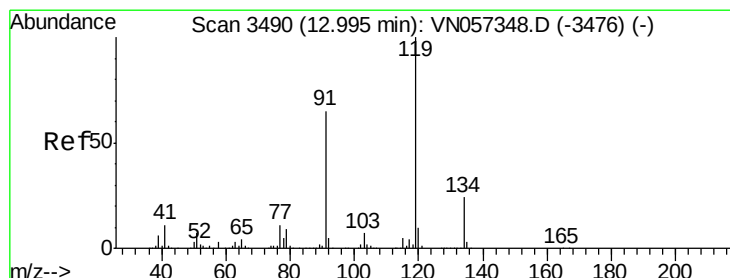
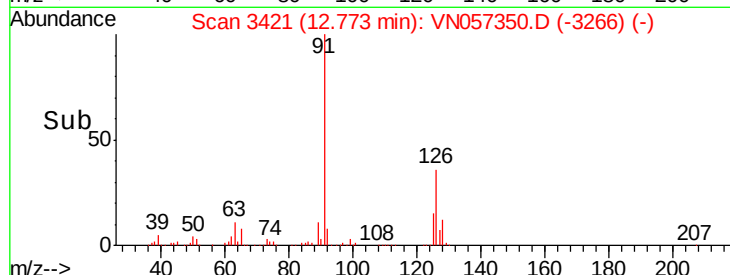
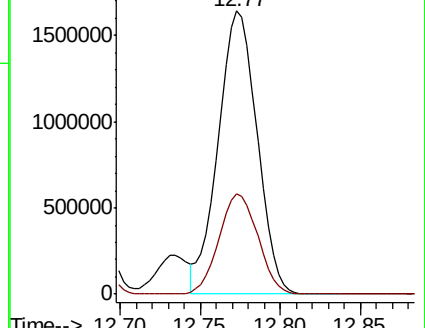
91 100

126 35.4 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN057348.D (-3413) (-)

Ion 126.00 (125.70 to 126.70): VN057348.D (-3413) (-)



#79

tert-butylbenzene

Concen: 99.434 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

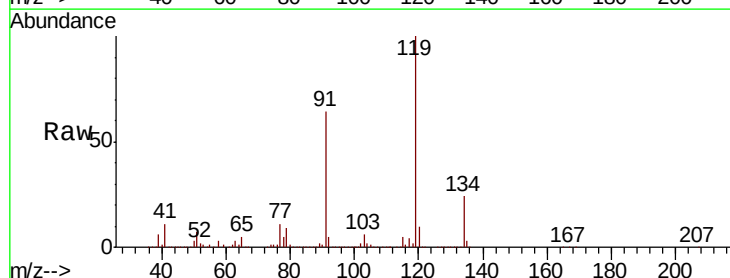
Tgt Ion: 119 Resp: 3139889

Ion Ratio Lower Upper

119 100

91 62.3 0.0 125.4

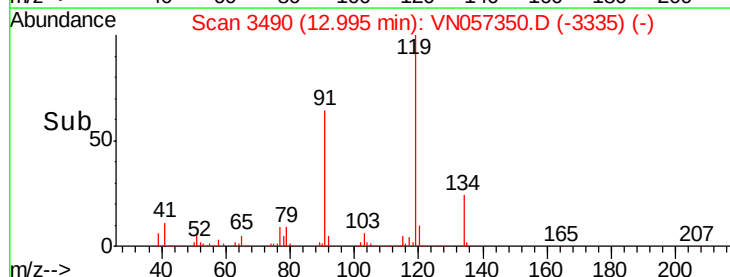
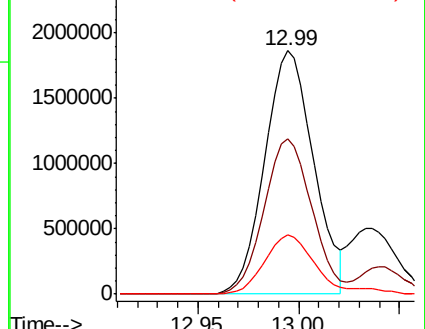
134 24.4 0.0 48.4

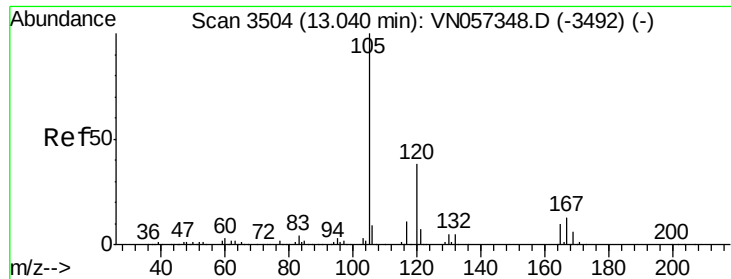


Abundance Ion 119.00 (118.70 to 119.70): VN057348.D (-3476) (-)

Ion 91.00 (90.70 to 91.70): VN057348.D (-3476) (-)

Ion 134.00 (133.70 to 134.70): VN057348.D (-3476) (-)

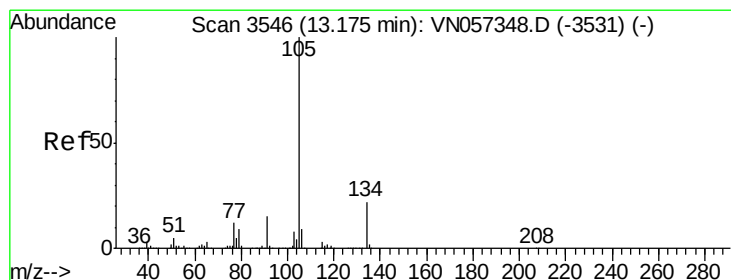
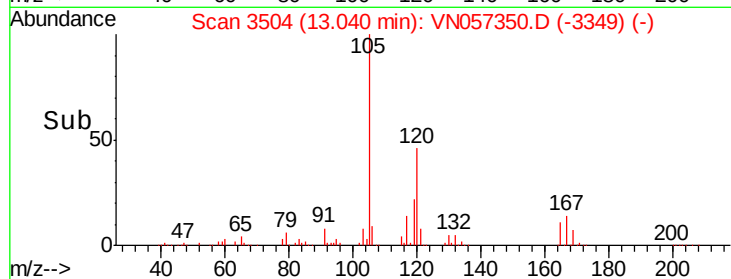
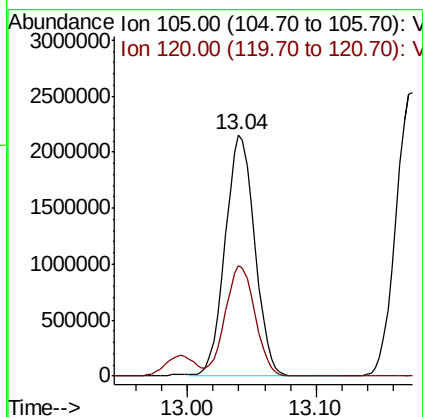
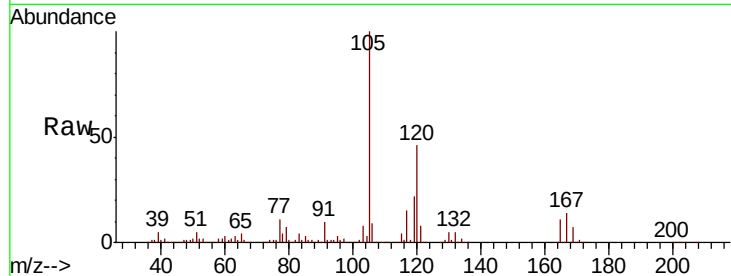




#80
 1,2,4-Trimethylbenzene
 Concen: 102.238 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

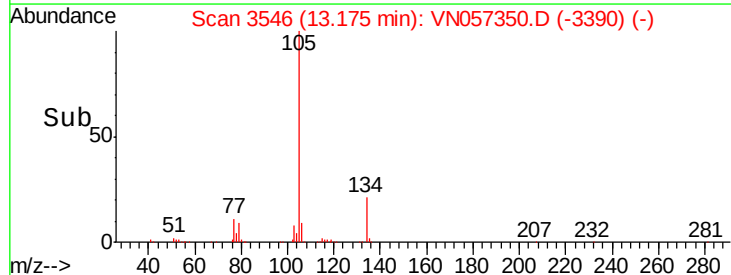
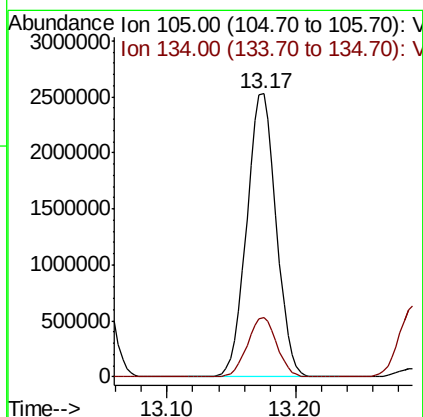
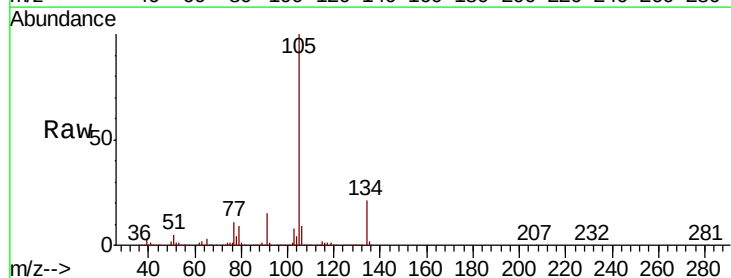
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

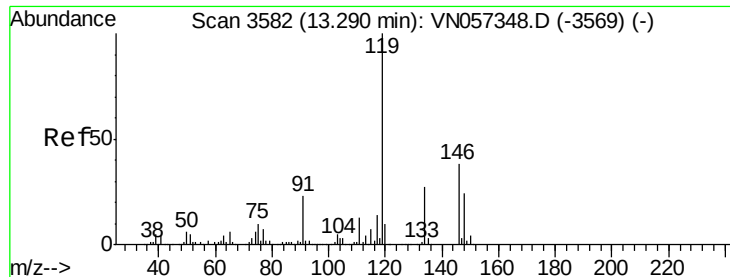
Tgt Ion:105 Resp: 3417303
 Ion Ratio Lower Upper
 105 100
 120 46.1 0.0 91.2



#81
 sec-Butylbenzene
 Concen: 103.332 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion:105 Resp: 4022178
 Ion Ratio Lower Upper
 105 100
 134 21.0 0.0 40.8





#82

p-Isopropyltoluene

Concen: 104.322 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

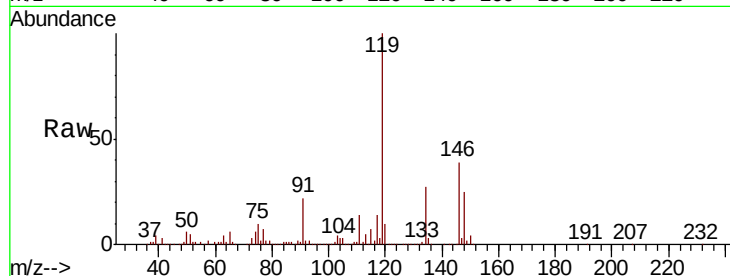
Tgt Ion:119 Resp: 3637912

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.8

91 22.4 0.0 45.4

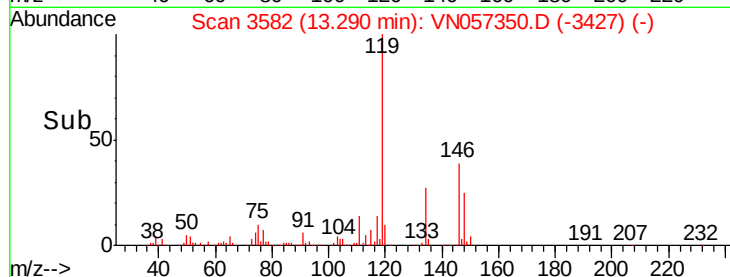


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

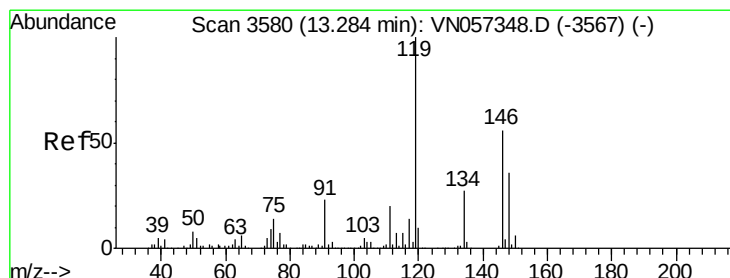
Ion 91.00 (90.70 to 91.70): V

Time-->



Abundance

Time-->



#83

1,3-Dichlorobenzene

Concen: 110.299 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

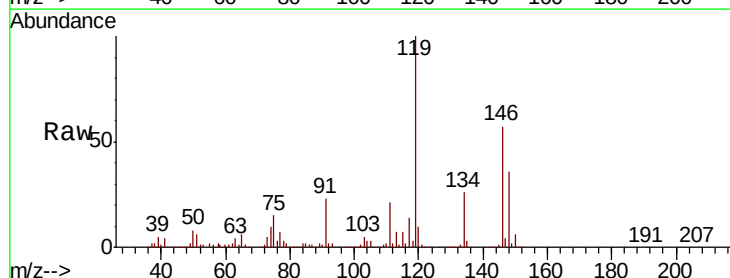
Tgt Ion:146 Resp: 1824194

Ion Ratio Lower Upper

146 100

111 37.2 18.7 56.1

148 63.7 31.8 95.4

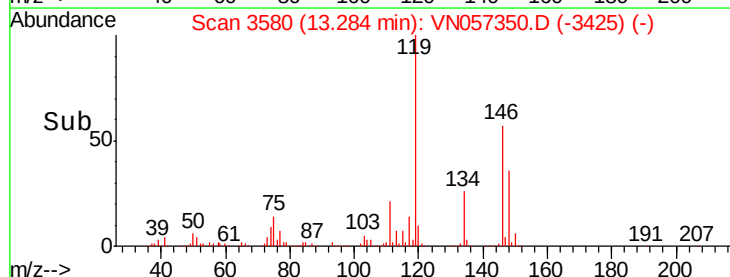


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

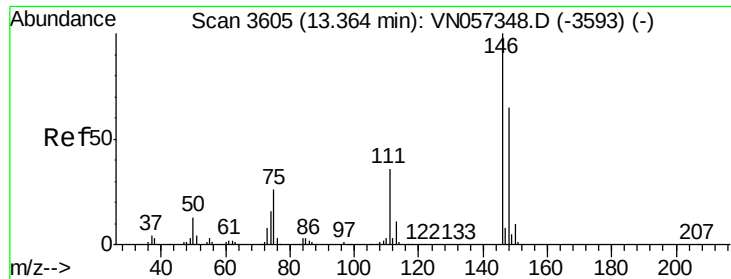
Ion 148.00 (147.70 to 148.70): V

Time-->



Abundance

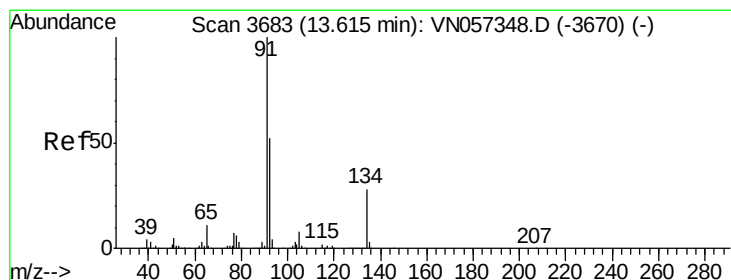
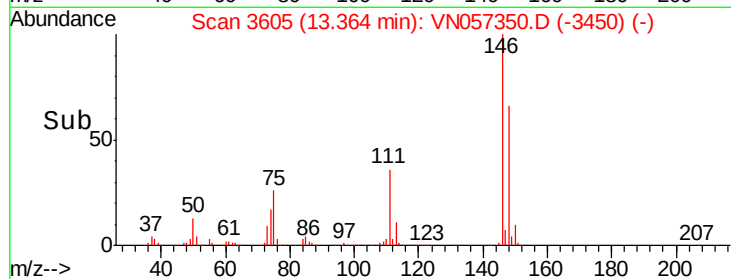
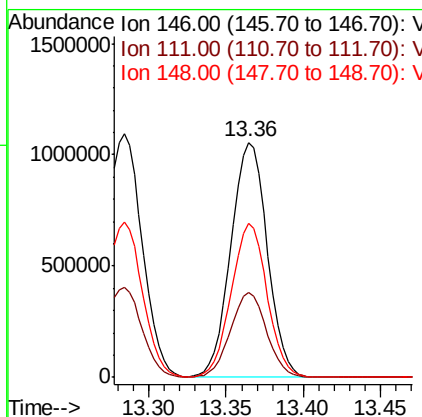
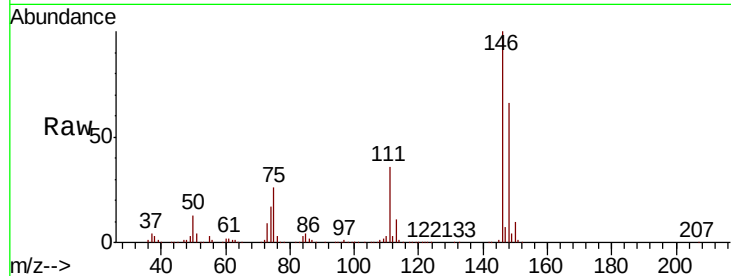
Time-->



#84
 1,4-Dichlorobenzene
 Concen: 111.580 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

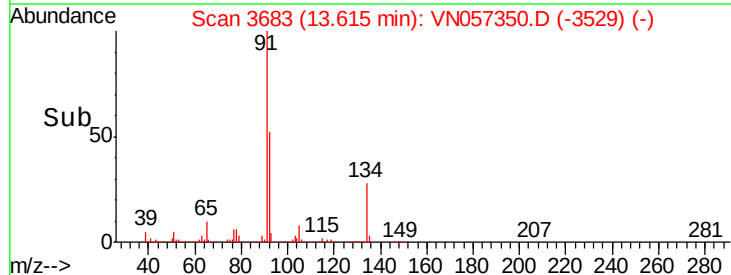
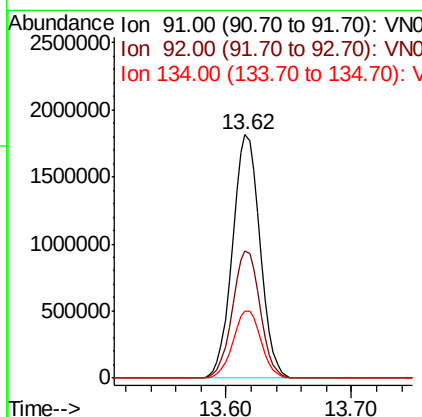
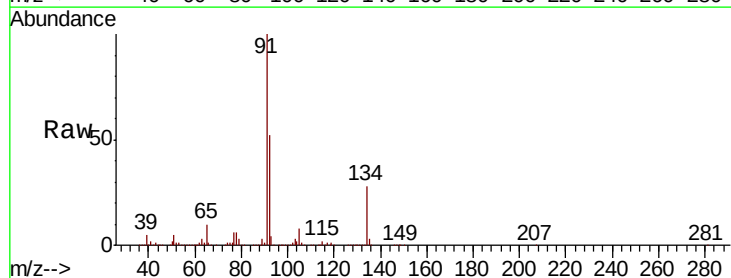
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

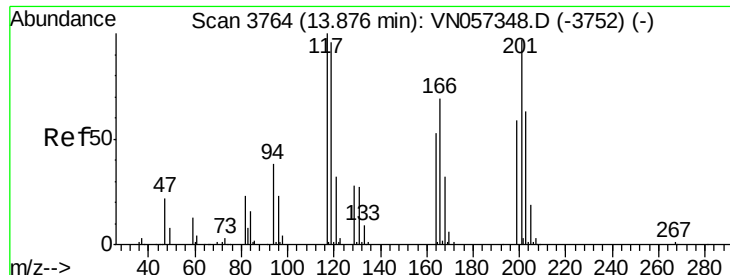
Tgt Ion:146 Resp: 1722545
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.8 53.4
 148 64.5 31.9 95.5



#85
 n-Butylbenzene
 Concen: 106.135 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Tgt Ion: 91 Resp: 2752089
 Ion Ratio Lower Upper
 91 100
 92 52.5 0.0 104.0
 134 28.1 0.0 53.2





#86

Hexachloroethane

Concen: 100.687 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

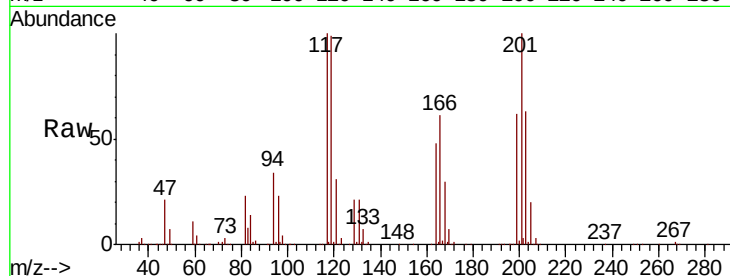
VSTDIC100

Tgt Ion:117 Resp: 675798

Ion Ratio Lower Upper

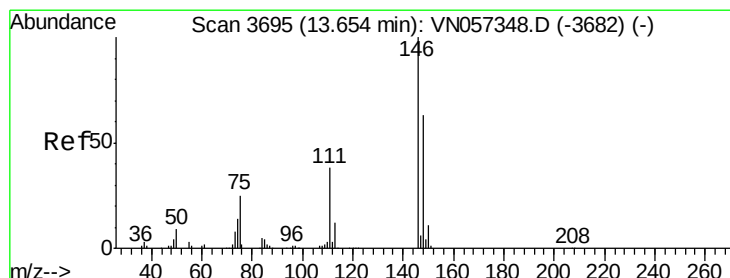
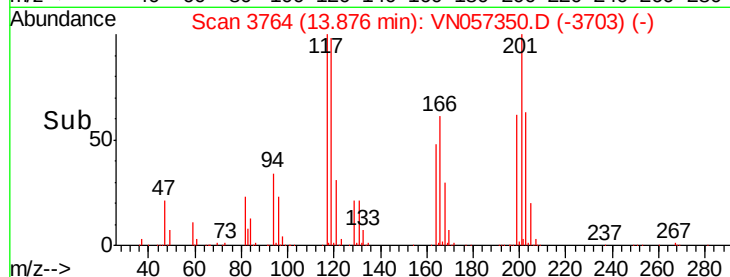
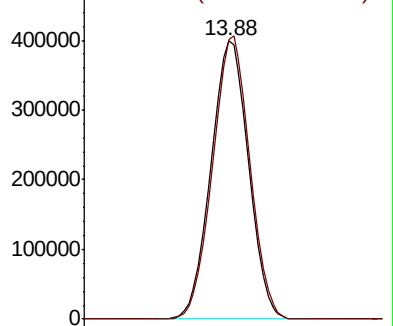
117 100

201 100.3 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 109.655 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

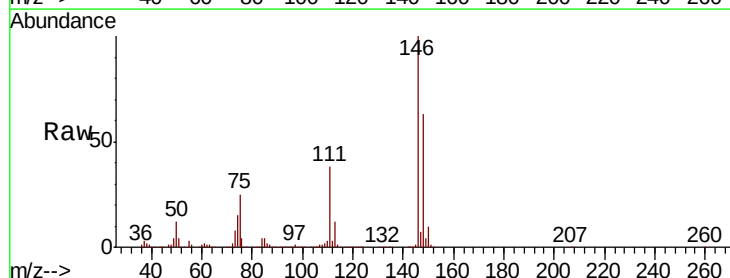
Tgt Ion:146 Resp: 1713288

Ion Ratio Lower Upper

146 100

111 38.3 19.7 59.0

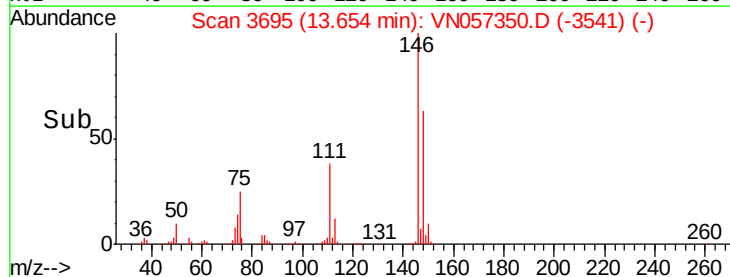
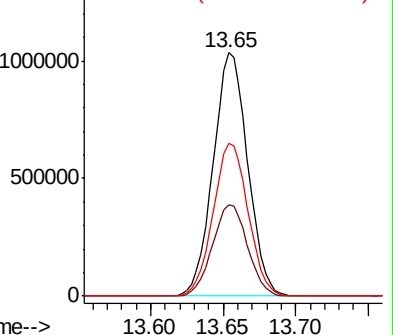
148 63.7 32.7 98.1

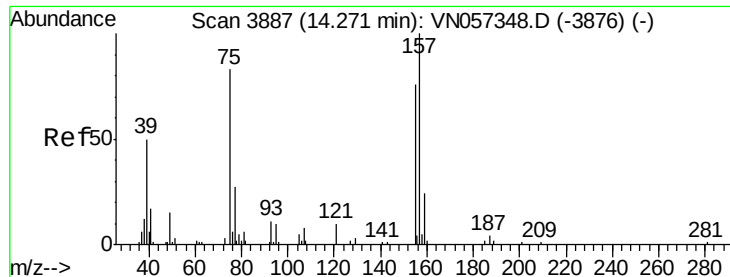


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 110.907 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

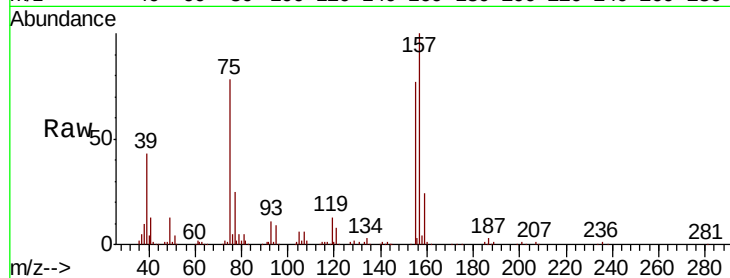
Tgt Ion: 75 Resp: 173497

Ion Ratio Lower Upper

75 100

155 101.6 78.6 117.8

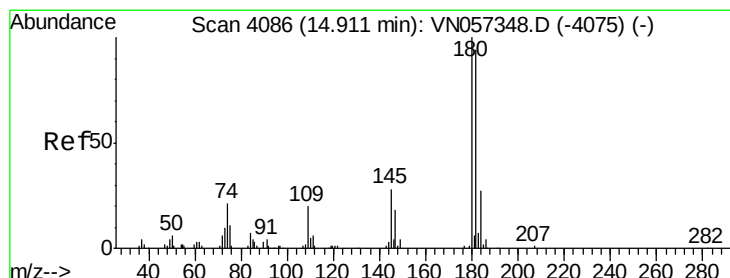
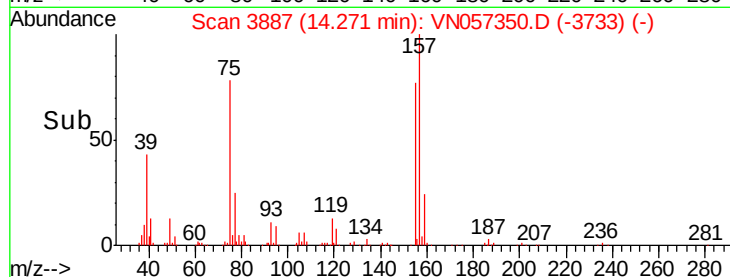
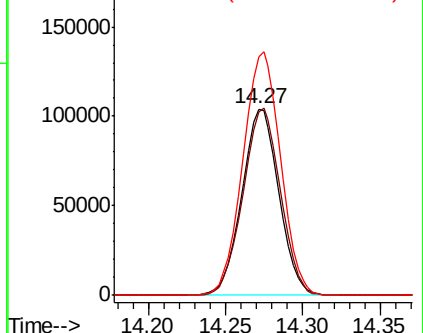
157 133.2 99.3 148.9



Abundance Ion 75.00 (74.70 to 75.70): VN057348.D (-3876) (-)

Ion 155.00 (154.70 to 155.70): VN057348.D (-3876) (-)

Ion 157.00 (156.70 to 157.70): VN057348.D (-3876) (-)



#89

1,2,4-Trichlorobenzene

Concen: 129.361 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

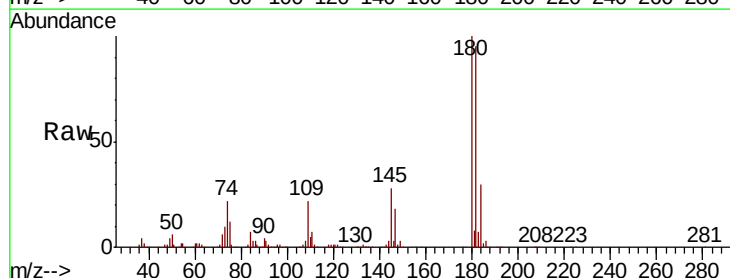
Tgt Ion: 180 Resp: 715133

Ion Ratio Lower Upper

180 100

182 95.6 78.2 117.4

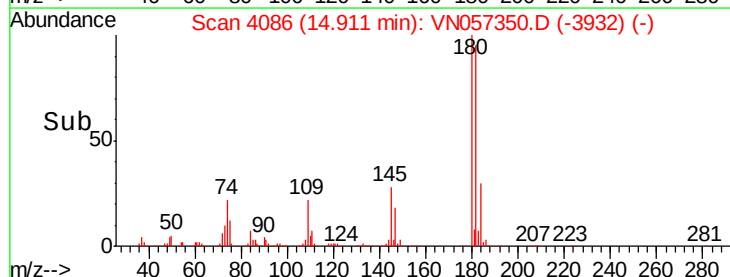
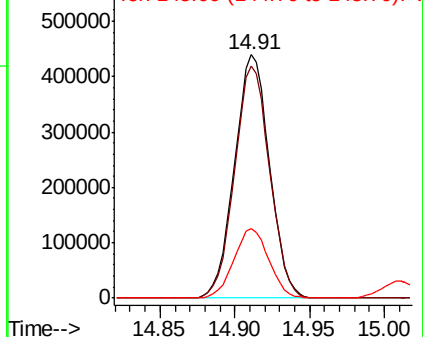
145 28.4 23.2 34.8

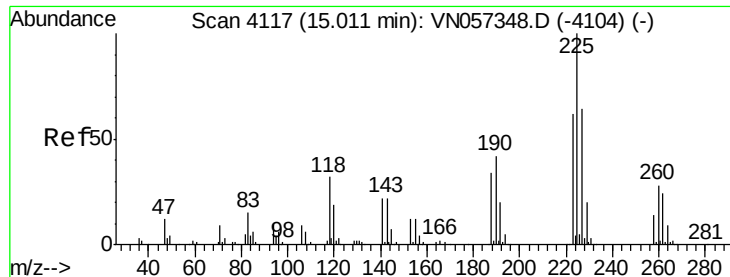


Abundance Ion 180.00 (179.70 to 180.70): VN057348.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN057348.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN057348.D (-4075) (-)





#90

Hexachlorobutadiene

Concen: 99.620 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

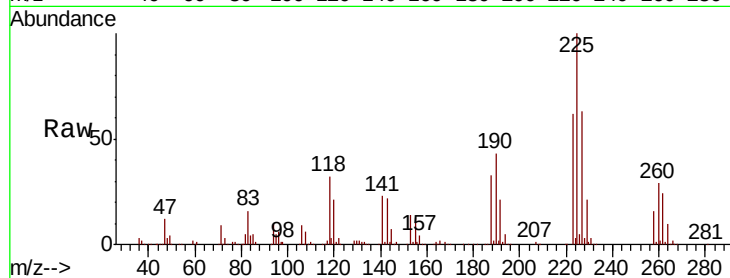
Tgt Ion: 225 Resp: 702802

Ion Ratio Lower Upper

225 100

223 62.5 0.0 124.6

227 63.8 0.0 128.6

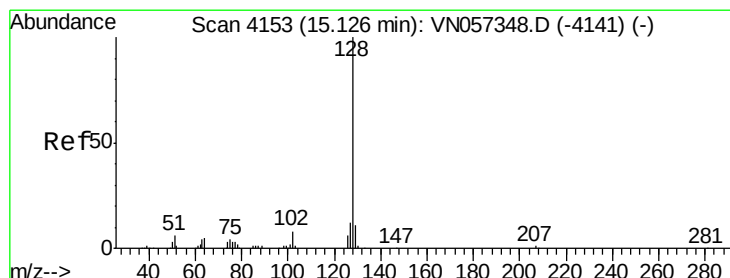
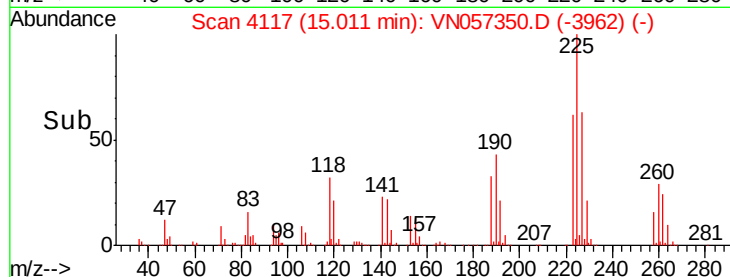
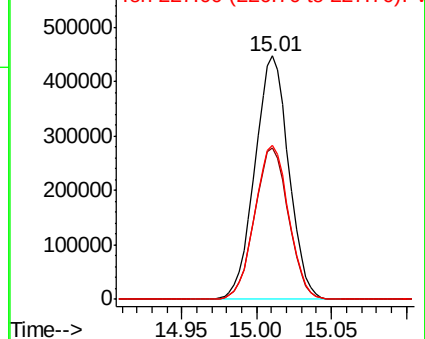


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 128.299 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057350.D

Acq: 16 Aug 2019 12:41

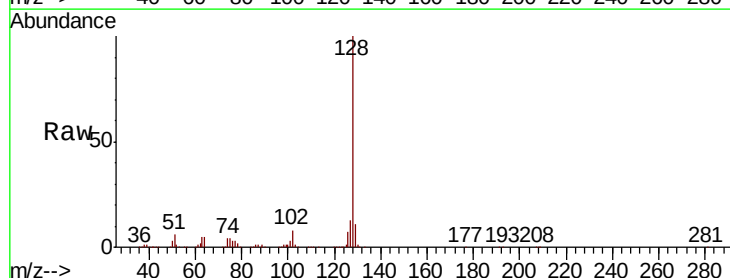
Tgt Ion: 128 Resp: 1532964

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.0 8.8 13.2

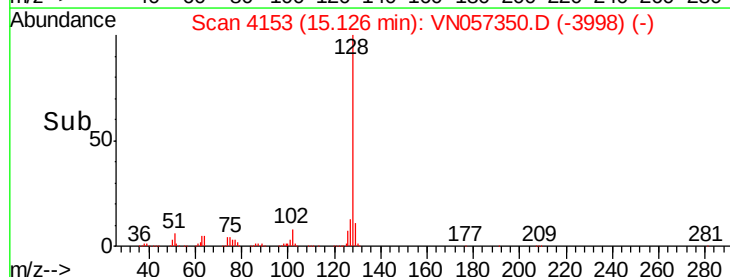
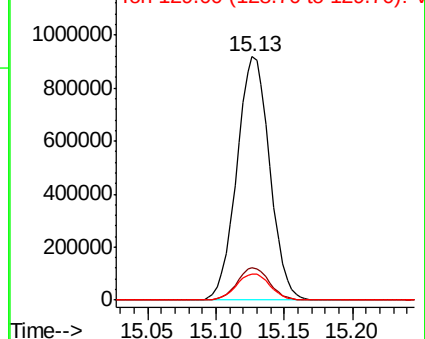


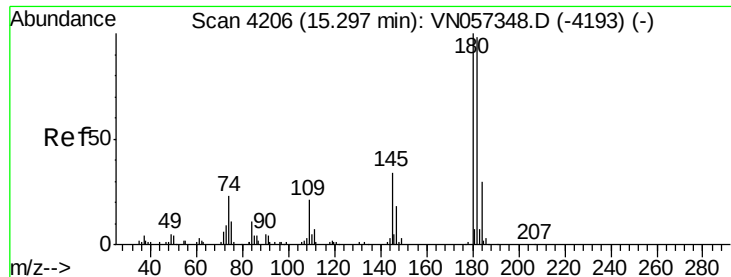
Abundance

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

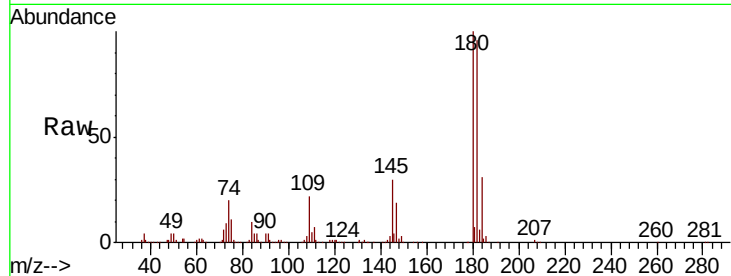




#92
 1,2,3-Trichlorobenzene
 Concen: 119.975 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057350.D
 Acq: 16 Aug 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	192.4
145	30.1	0.0	60.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

