

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051479.D
 Acq On : 25 Sep 2018 12:09
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

Quant Time: Sep 26 02:07:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	110573	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	598702	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	534641	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	227554	29.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.67%
60) 4-Bromofluorobenzene	12.40	95	239796	30.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.83%
63) Toluene-d8	10.09	98	809344	31.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	91951	19.416	ug/l 100
3) Chloromethane	2.06	50	168849	20.737	ug/l 99
4) Vinyl Chloride	2.18	62	180188	20.740	ug/l 100
5) Bromomethane	2.57	94	122636	21.597	ug/l 93
6) Chloroethane	2.70	64	113402	21.176	ug/l 97
7) Trichlorofluoromethane	3.02	101	237349	21.047	ug/l 94
8) Diethyl Ether	3.41	74	68321	20.150	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	125046	21.836	ug/l # 40
10) 1,1-Dichloroethene	3.74	96	114620	21.973	ug/l 94
11) Methyl Iodide	3.95	142	157704	20.502	ug/l 95
12) Methyl Acetate	4.33	43	98566	21.498	ug/l # 89
13) Acrolein	3.61	56	64474	105.460	ug/l 93
14) Acrylonitrile	4.99	53	203556	109.297	ug/l # 61
15) Acetone	3.82	58	48563	105.872	ug/l 89
16) Carbon Disulfide	4.05	76	343177	20.741	ug/l 98
17) Allyl chloride	4.33	41	185724	20.169	ug/l 99
18) Methylene Chloride	4.55	84	134336	21.564	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	123329	21.841	ug/l 95
20) Diisopropyl ether	5.95	45	415126	22.704	ug/l # 86
21) 1,1-Dichloroethane	5.85	63	241656	21.942	ug/l 95
22) cis-1,2-Dichloroethene	6.83	96	136637	21.624	ug/l 98
23) tert-Butyl Alcohol	4.79	59	39706	113.213	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	304666	21.444	ug/l # 64
25) Chloroform	7.37	83	242577	22.082	ug/l 95
26) Cyclohexane	7.66	56	201973	21.540	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	185867	22.049	ug/l 99
30) 2-Butanone	6.84	43	238332	109.452	ug/l # 96
31) 2,2-Dichloropropane	6.83	77	200848	22.337	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	207595	21.571	ug/l 99
33) Carbon Tetrachloride	7.78	117	188491	21.346	ug/l 92
34) Benzene	8.04	78	547264	21.867	ug/l # 69
35) Methacrylonitrile	7.18	41	58362	18.599	ug/l 92
36) 1,2-Dichloroethane	8.13	62	176193	21.620	ug/l 99
37) Trichloroethene	8.83	130	142878	21.539	ug/l 99
38) Methylcyclohexane	9.08	83	207014	21.184	ug/l 95
39) 1,2-Dichloropropane	9.12	63	150280	22.073	ug/l 92
40) Dibromomethane	9.21	93	84181	21.724	ug/l 97

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

41) Bromodichloromethane	9.40	83	184805	21.692	ug/l	94
42) Vinyl Acetate	5.90	43	1312090	108.365	ug/l	99
43) Ethyl Acetate	6.93	43	108123	23.865	ug/l	97
44) Isopropyl Acetate	8.17	43	188538	21.637	ug/l #	79
45) 1,4-Dioxane	9.20	88	24292	458.233	ug/l	90
46) Methyl methacrylate	9.20	41	90589	20.993	ug/l	94
47) n-amyl Acetate	12.24	43	2247	0.323	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	188265	22.254	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	222614	22.733	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	128435	23.181	ug/l	96
51) Ethyl methacrylate	10.43	69	146356	22.320	ug/l	97
52) 1,3-Dichloropropane	10.71	76	206004	22.039	ug/l	97
53) Dibromochloromethane	10.90	129	138111	21.671	ug/l	99
54) 1,2-Dibromoethane	11.00	107	116816	21.851	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	352758	108.944	ug/l	99
56) Bromoform	12.12	173	93782	21.827	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	558346	118.833	ug/l	95
59) 2-Hexanone	10.75	43	343941	111.221	ug/l	97
61) Tetrachloroethene	10.63	164	141356	22.726	ug/l	96
62) Toluene	10.16	91	626501	22.890	ug/l	98
64) Chlorobenzene	11.43	112	367912	21.925	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	137816	21.242	ug/l	97
66) Ethyl Benzene	11.51	91	610527	21.622	ug/l	97
67) m/p-Xylenes	11.62	106	492295	45.289	ug/l	98
68) o-Xylene	11.95	106	232638	22.470	ug/l	92
69) Styrene	11.96	104	363361	22.218	ug/l	99
70) Isopropylbenzene	12.25	105	619834	22.371	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	140869	21.598	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	173159	33.666	ug/l	72
73) Bromobenzene	12.53	156	150787	21.594	ug/l	96
74) n-propylbenzene	12.59	91	707440	21.962	ug/l	99
75) 2-Chlorotoluene	12.67	91	422886	22.246	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	521533	22.812	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	35539	20.036	ug/l	94
78) 4-Chlorotoluene	12.77	91	416043	22.066	ug/l	97
79) tert-butylbenzene	12.99	119	453461	22.781	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	535165	23.285	ug/l	99
81) sec-Butylbenzene	13.17	105	626151	22.867	ug/l	98
82) p-Isopropyltoluene	13.29	119	531385	22.480	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	259367	21.176	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	245752	21.364	ug/l	97
85) n-Butylbenzene	13.62	91	412086	21.233	ug/l	97
86) Hexachloroethane	13.87	117	104869	22.140	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	253522	21.835	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20273	21.060	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	108412	18.745	ug/l	98
90) Hexachlorobutadiene	15.01	225	101000	22.533	ug/l	97
91) Naphthalene	15.13	128	178854	16.389	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	109696	18.789	ug/l	93

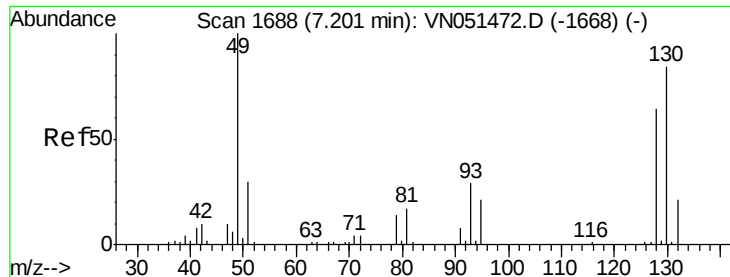
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

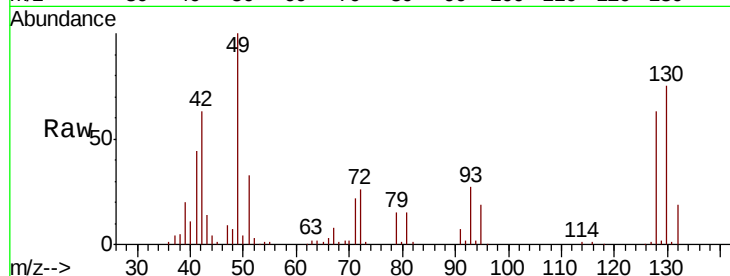
Tot Ion:128 Resp: 110573

Ion Ratio Lower Upper

128 100

49 161.3 0.0 403.3

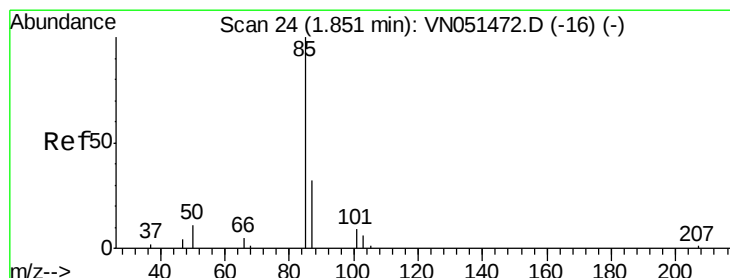
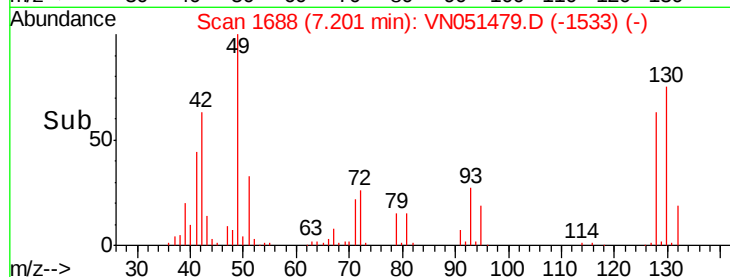
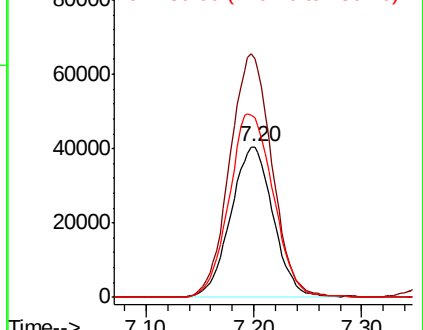
130 127.1 0.0 326.0



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: 19.416 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051479.D

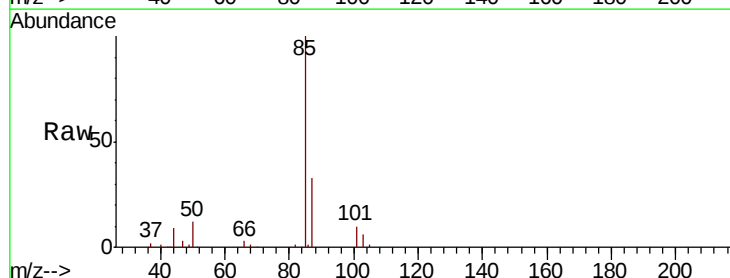
Acq: 25 Sep 2018 12:09

Tgt Ion: 85 Resp: 91951

Ion Ratio Lower Upper

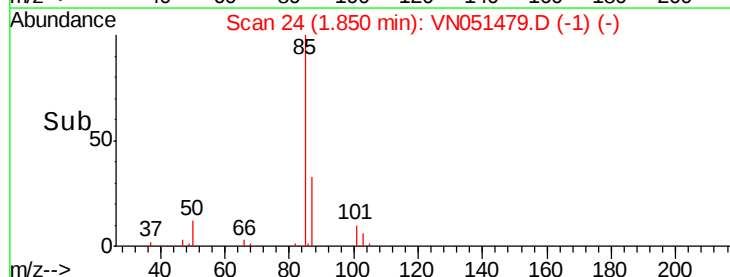
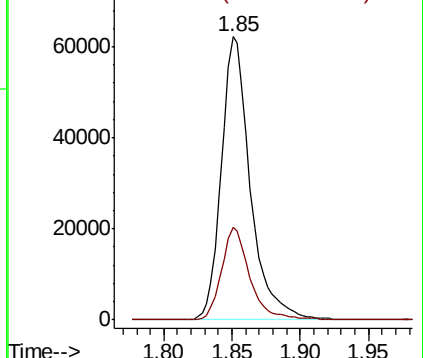
85 100

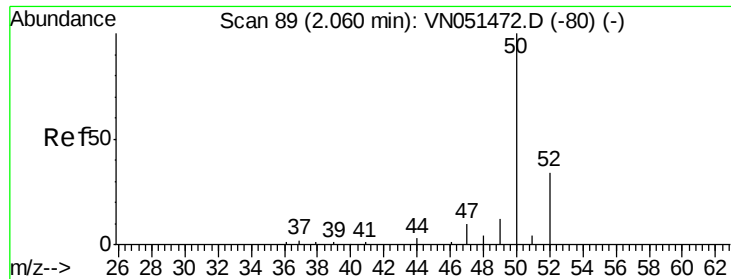
87 32.6 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.737 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

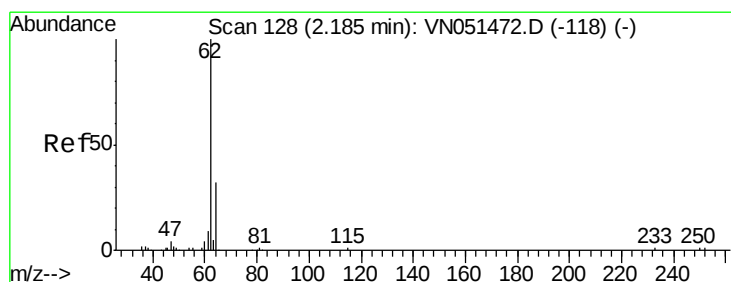
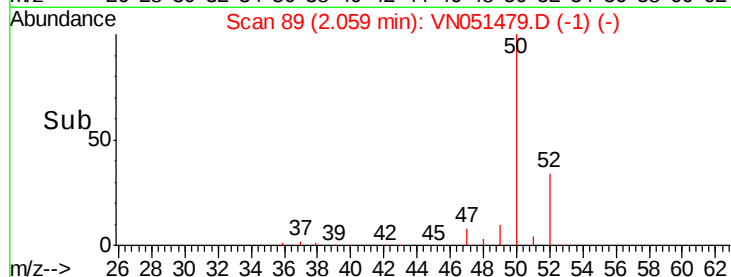
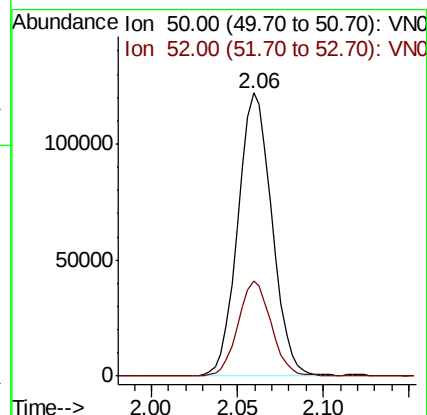
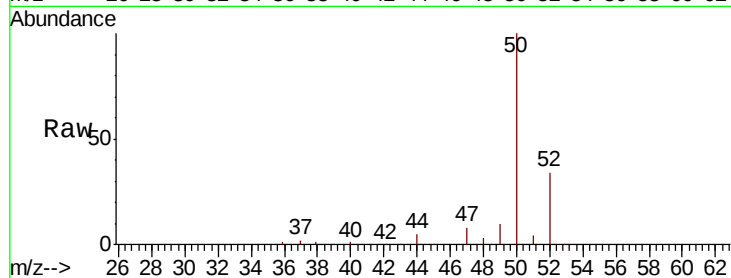
ICVVN092518

Tot Ion: 50 Resp: 168849

Ion Ratio Lower Upper

50 100

52 33.6 27.2 40.8



#4

Vinyl Chloride

Concen: 20.740 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051479.D

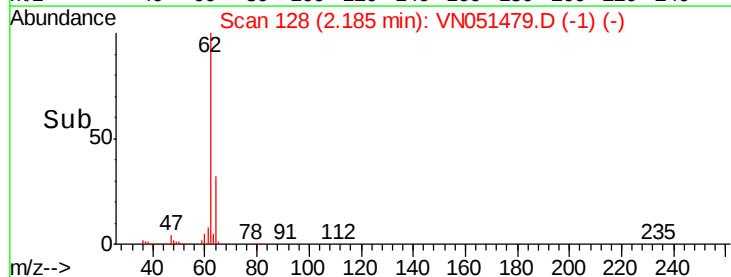
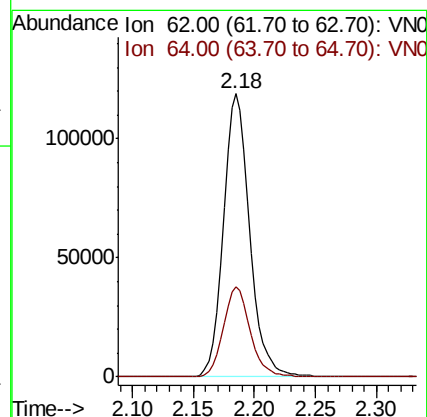
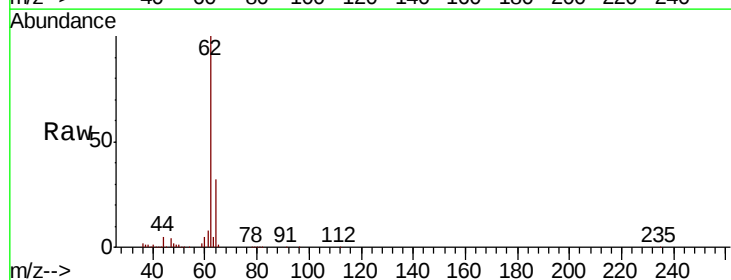
Acq: 25 Sep 2018 12:09

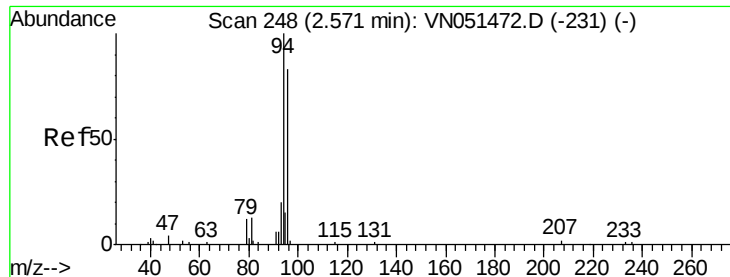
Tgt Ion: 62 Resp: 180188

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 21.597 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

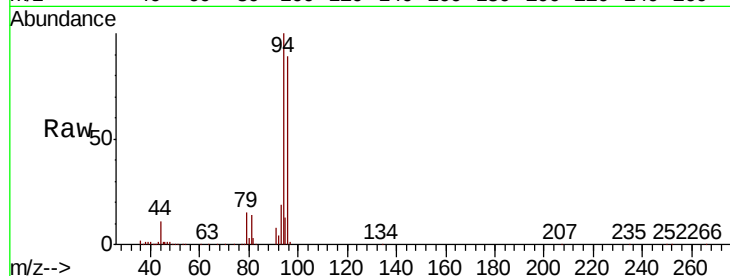
ICVVN092518

Tot Ion: 94 Resp: 122636

Ion Ratio Lower Upper

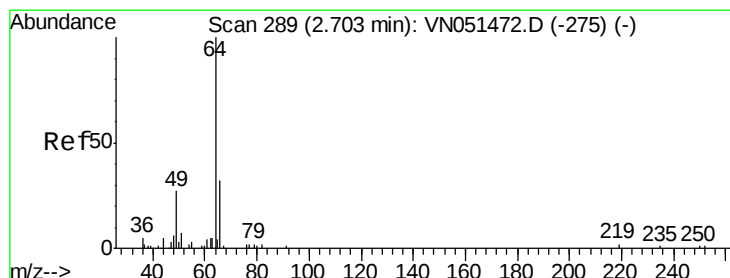
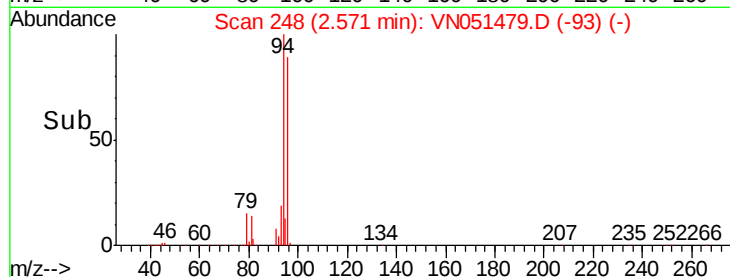
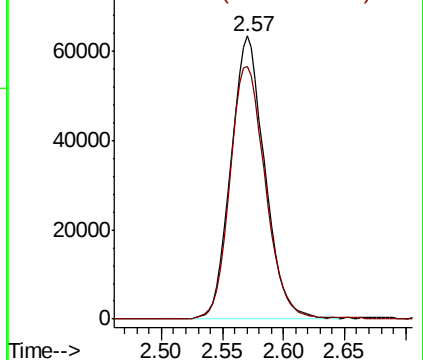
94 100

96 89.4 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.176 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051479.D

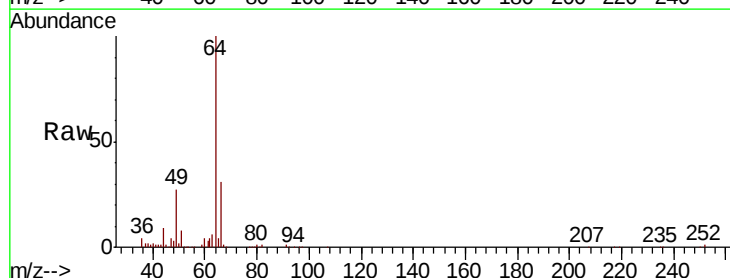
Acq: 25 Sep 2018 12:09

Tgt Ion: 64 Resp: 113402

Ion Ratio Lower Upper

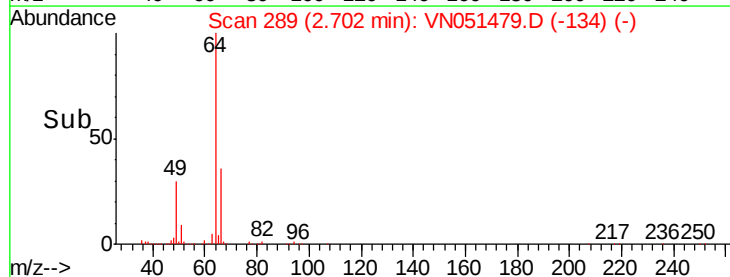
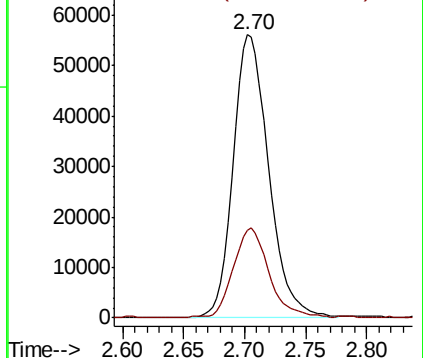
64 100

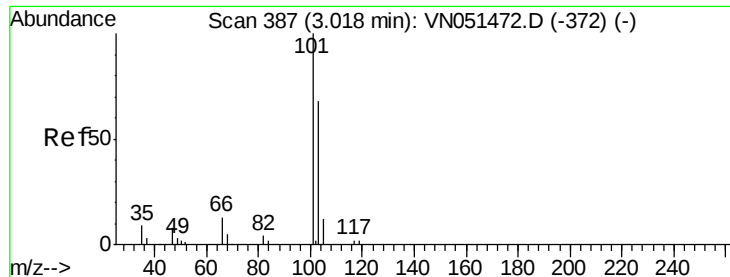
66 30.7 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



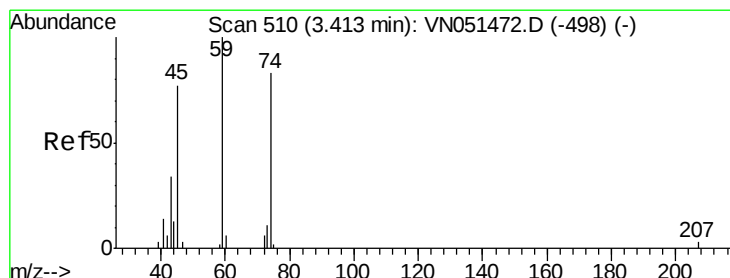
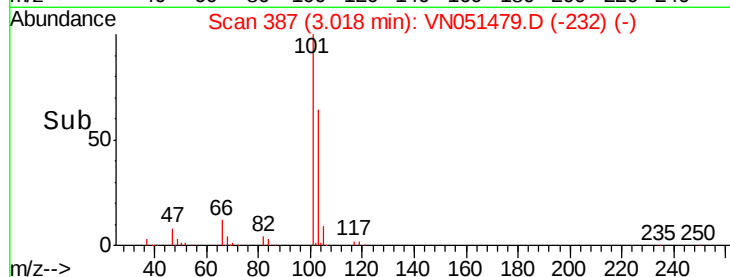
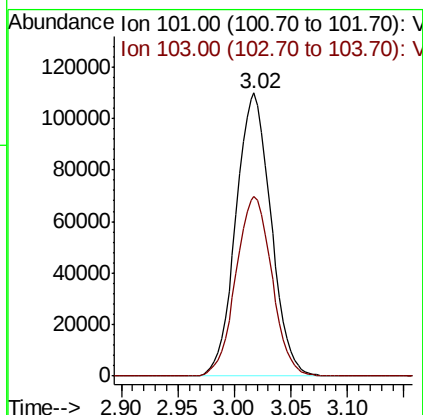
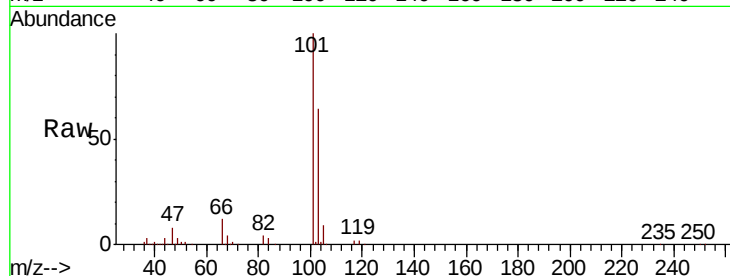


#7

Trichlorofluoromethane
 Concen: 21.047 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
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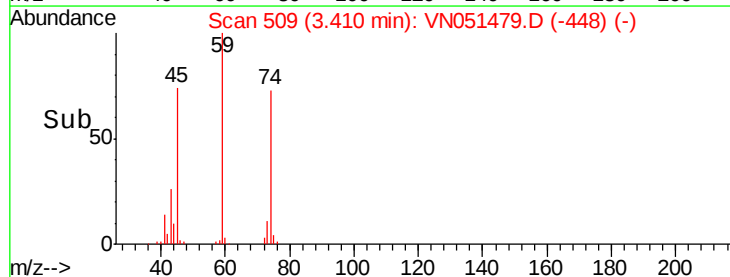
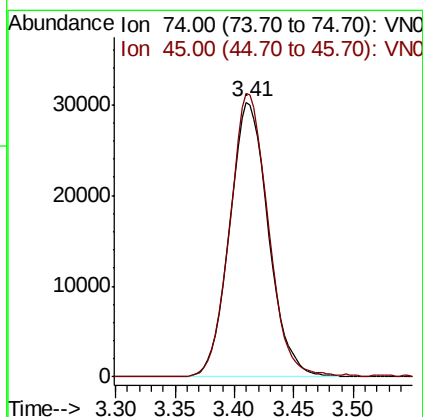
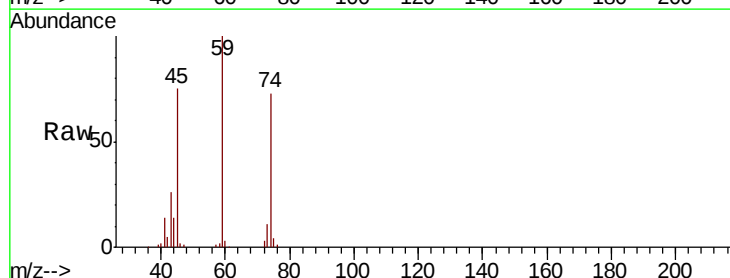
Tot Ion:101 Resp: 237349
 Ion Ratio Lower Upper
 101 100
 103 63.5 54.8 82.2

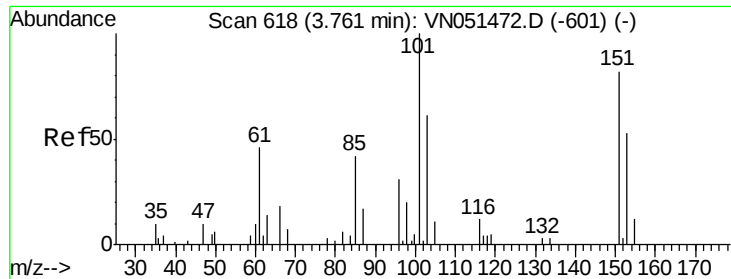


#8

Diethyl Ether
 Concen: 20.150 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion: 74 Resp: 68321
 Ion Ratio Lower Upper
 74 100
 45 101.6 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.836 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

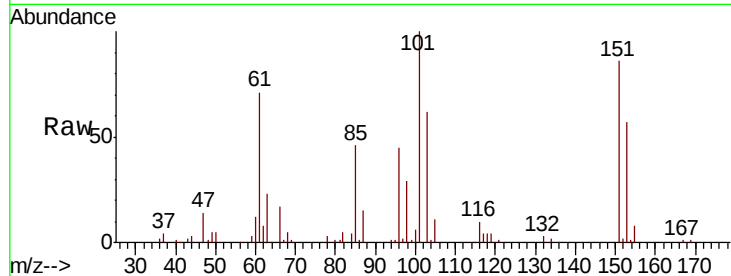
Tot Ion:101 Resp: 125046

Ion Ratio Lower Upper

101 100

85 44.4 0.0 46.0

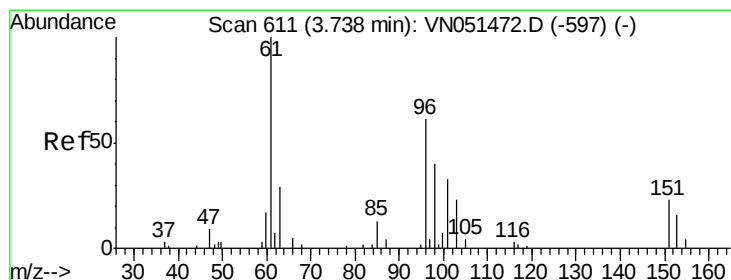
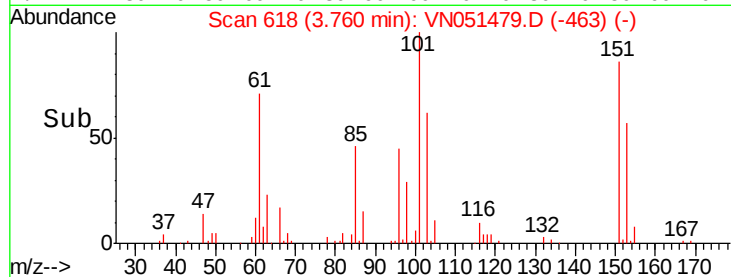
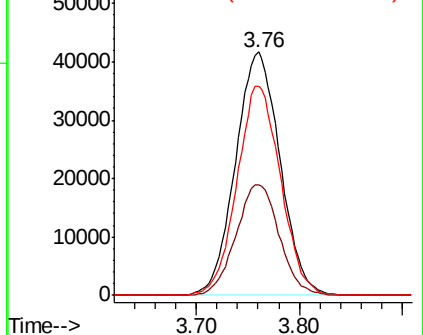
151 84.3 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.973 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

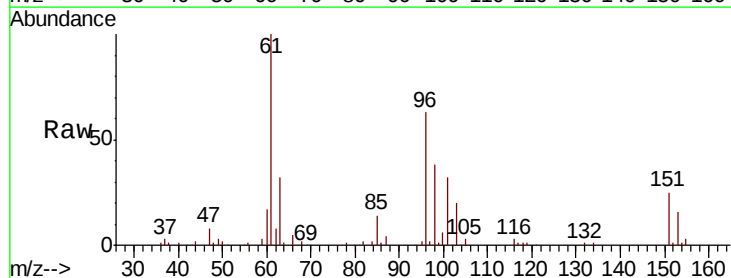
Tgt Ion: 96 Resp: 114620

Ion Ratio Lower Upper

96 100

61 159.1 133.0 199.6

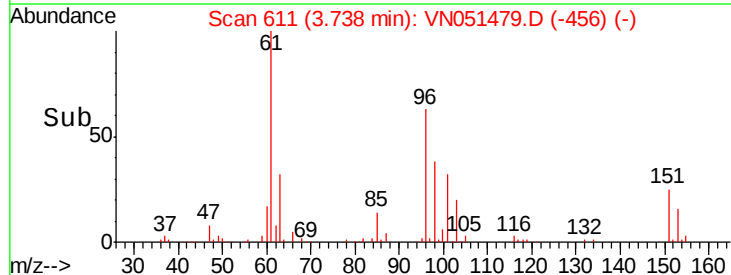
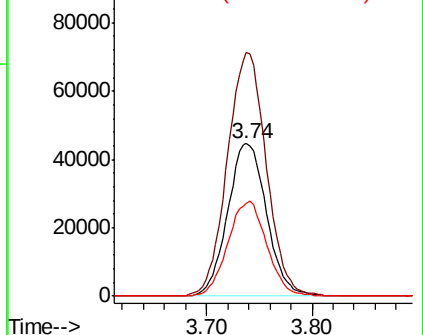
98 60.9 52.6 78.8

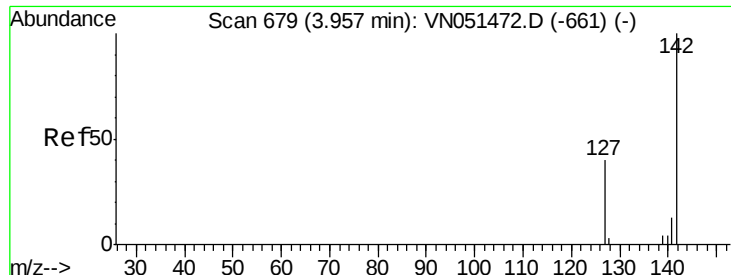


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

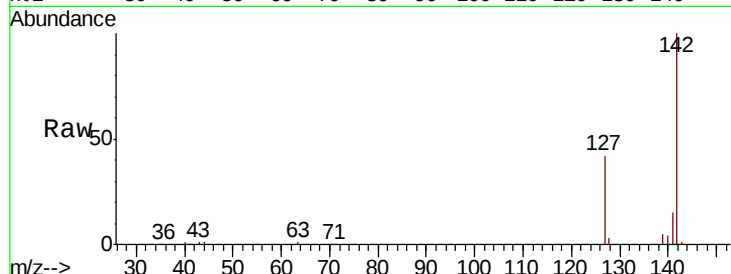




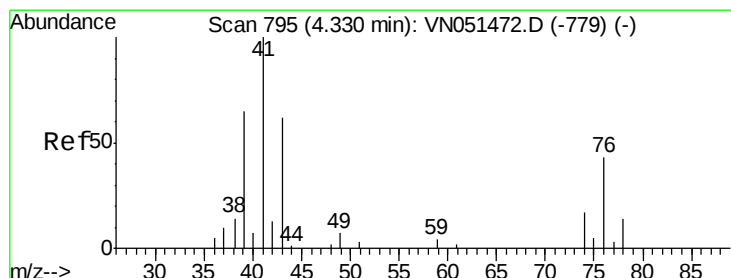
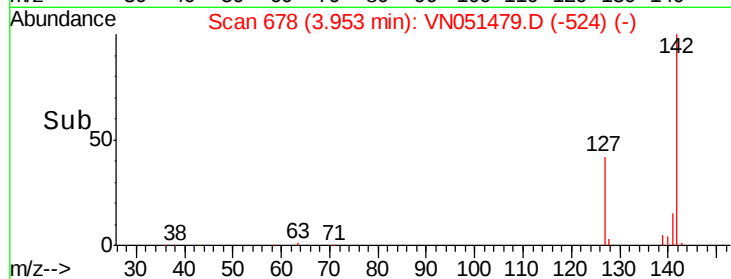
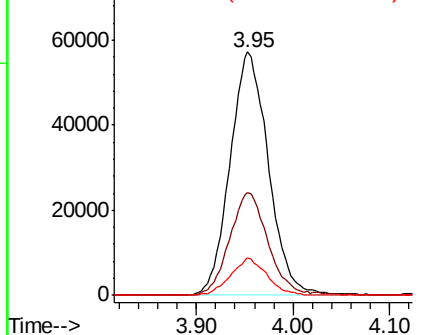
#11
Methyl Iodide
Concen: 20.502 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion:142 Resp: 157704
Ion Ratio Lower Upper
142 100
127 41.9 19.7 59.0
141 15.3 6.3 18.9

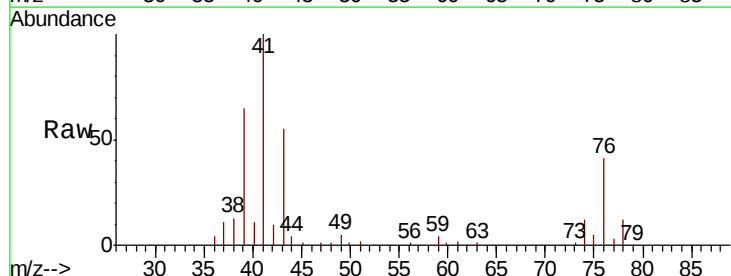


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

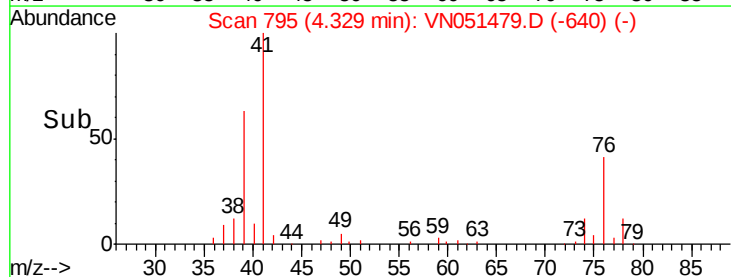
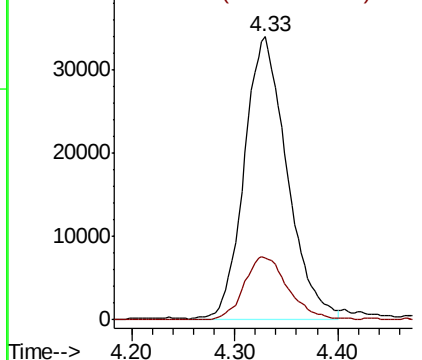


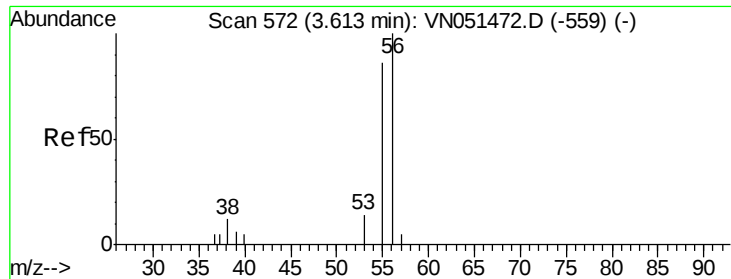
#12
Methyl Acetate
Concen: 21.498 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion: 43 Resp: 98566
Ion Ratio Lower Upper
43 100
74 21.7 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 105.460 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

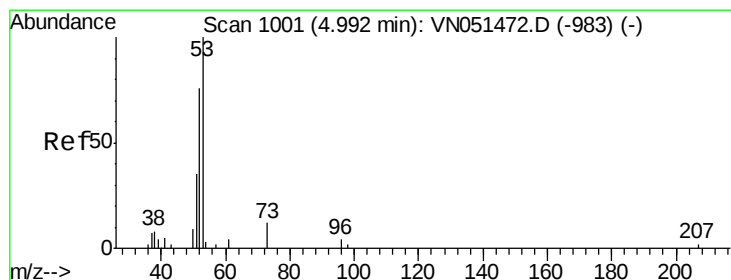
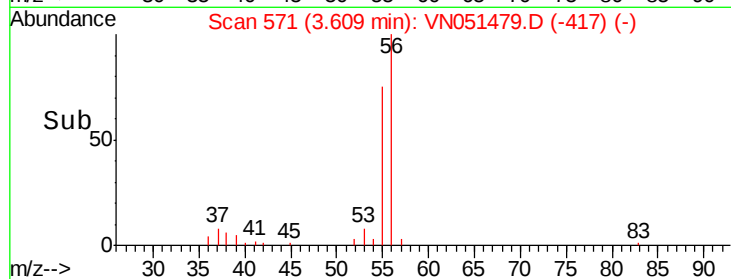
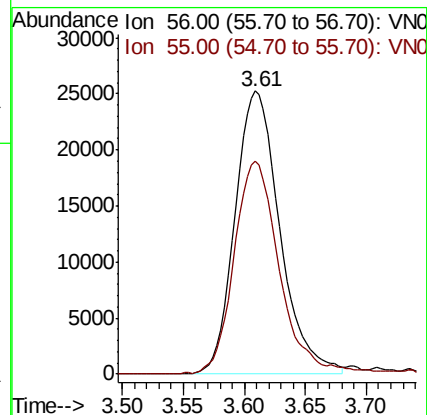
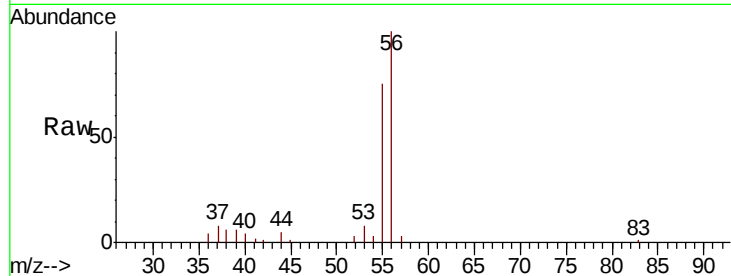
ICVFN092518

Tot Ion: 56 Resp: 64474

Ion Ratio Lower Upper

56 100

55 74.2 64.0 96.0



#14

Acrylonitrile

Concen: 109.297 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

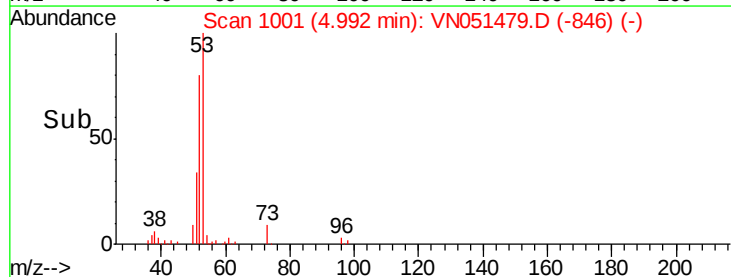
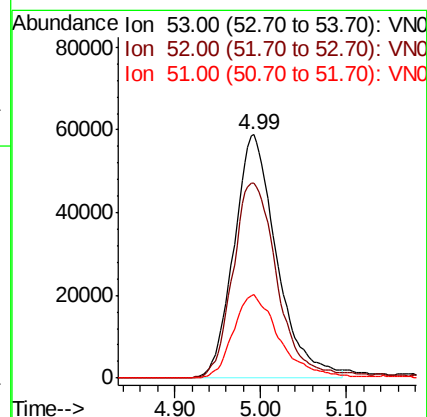
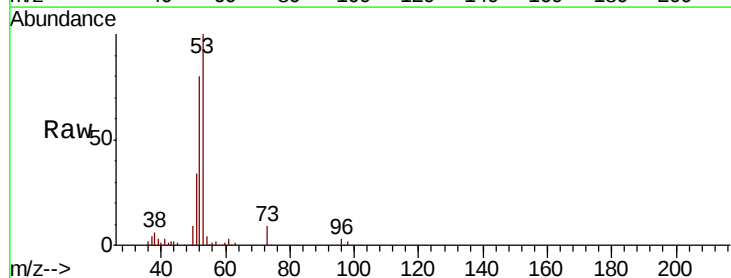
Tgt Ion: 53 Resp: 203556

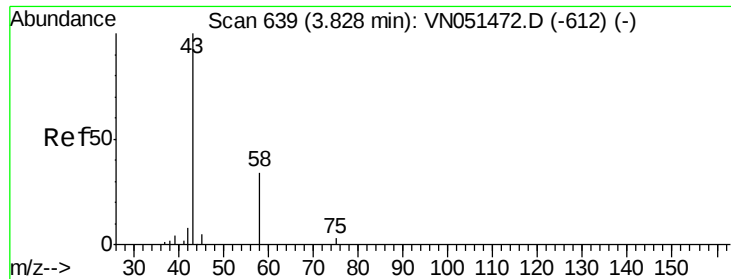
Ion Ratio Lower Upper

53 100

52 81.6 18.3 54.8#

51 36.9 19.7 59.1





#15

Acetone

Concen: 105.872 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.01 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

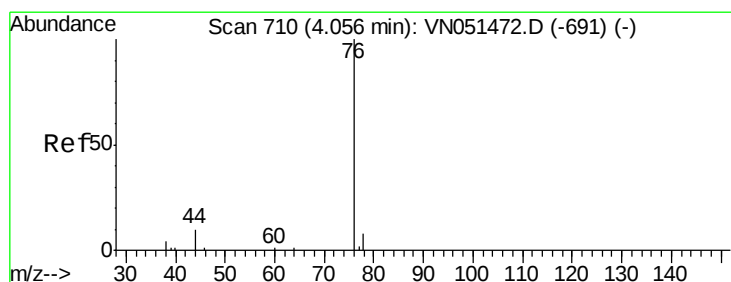
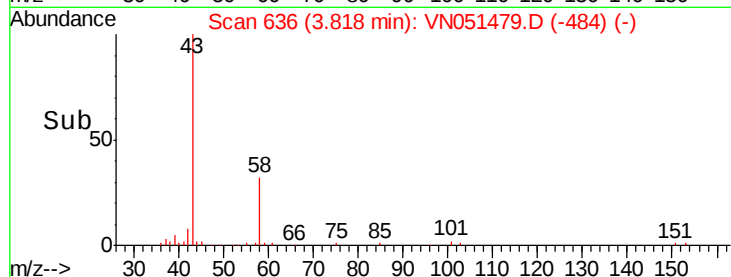
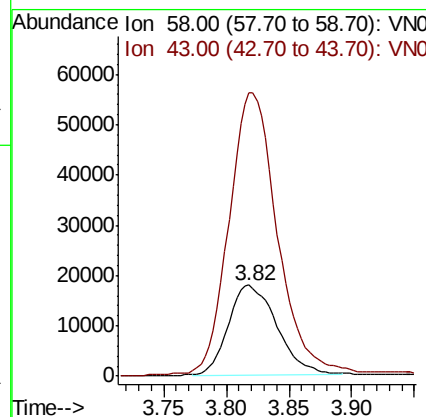
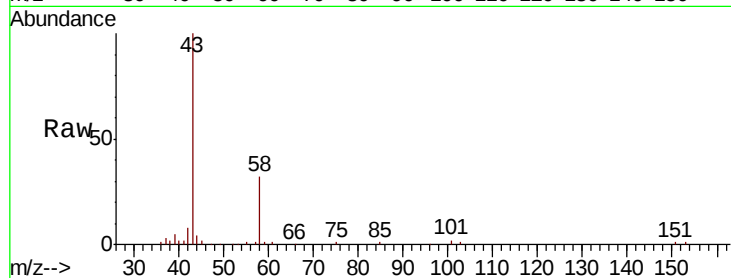
ICVVN092518

Tot Ion: 58 Resp: 48563

Ion Ratio Lower Upper

58 100

43 311.3 232.2 348.2



#16

Carbon Disulfide

Concen: 20.741 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051479.D

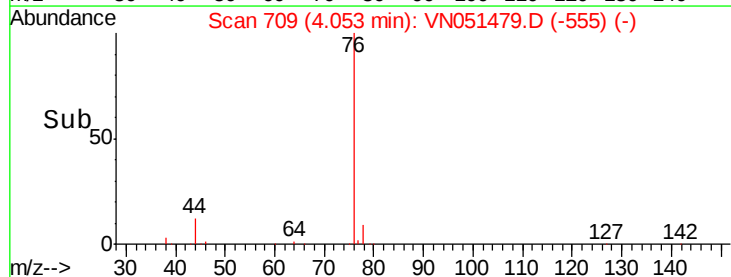
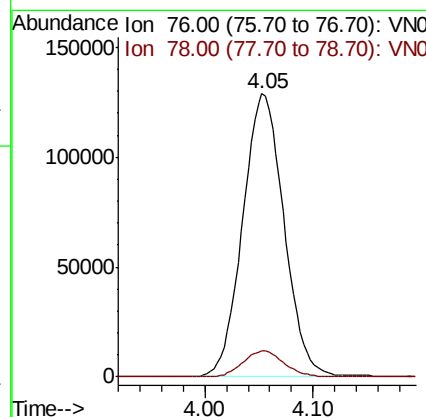
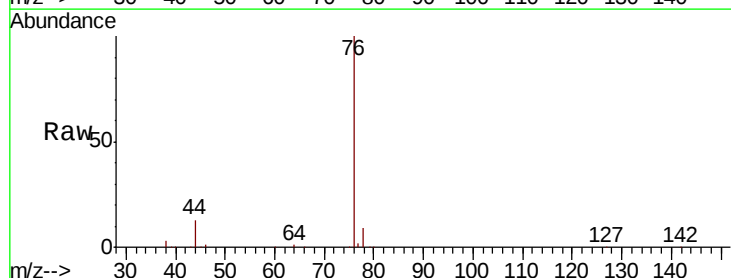
Acq: 25 Sep 2018 12:09

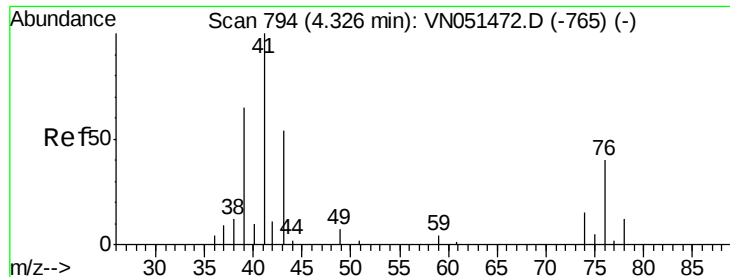
Tgt Ion: 76 Resp: 343177

Ion Ratio Lower Upper

76 100

78 9.3 6.7 10.1

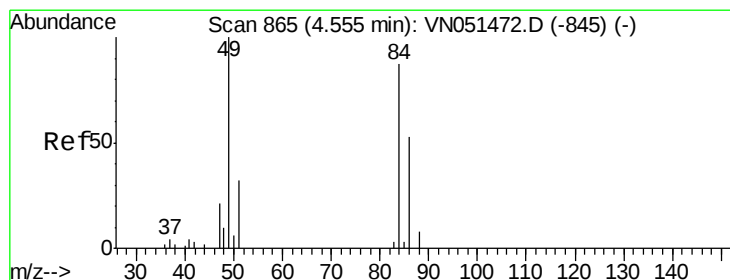
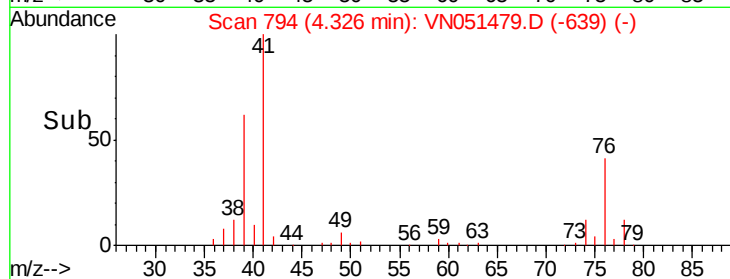
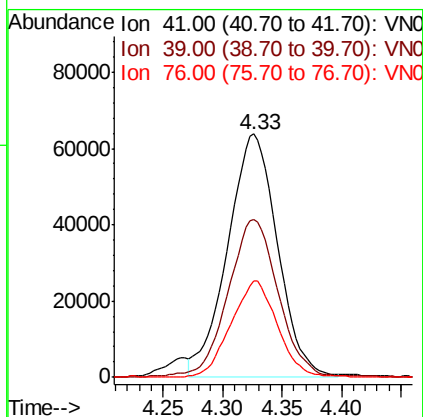
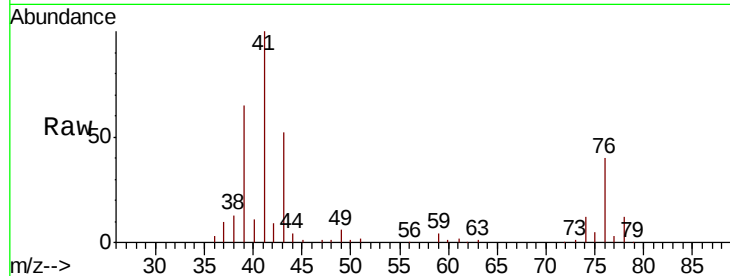




#17
Allvl chloride
Concen: 20.169 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

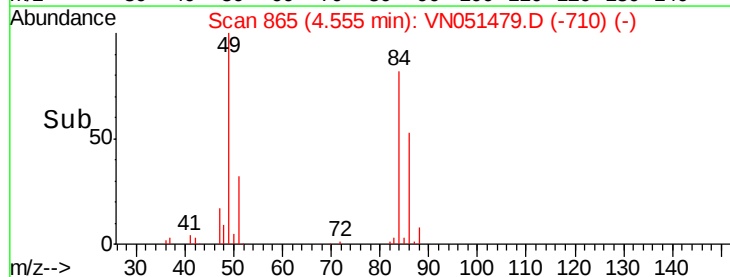
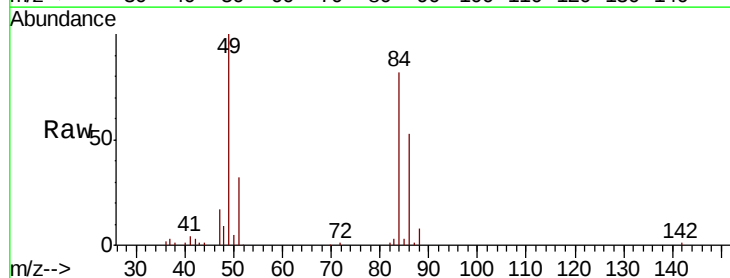
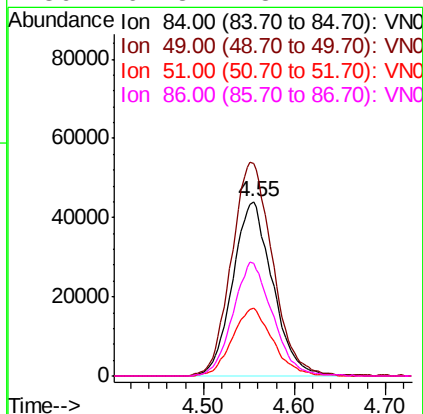
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

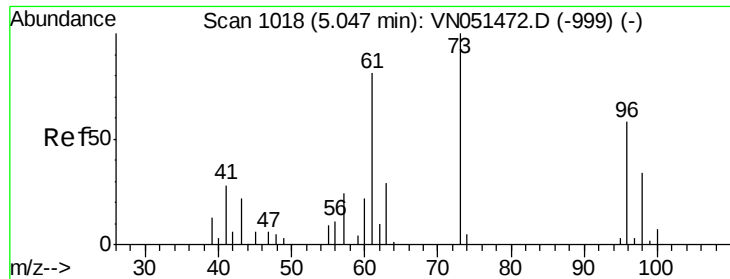
Tot Ion: 41 Resp: 185724
Ion Ratio Lower Upper
41 100
39 64.5 32.6 97.8
76 39.7 20.2 60.5



#18
Methylene Chloride
Concen: 21.564 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion: 84 Resp: 134336
Ion Ratio Lower Upper
84 100
49 121.3 91.6 137.4
51 38.9 29.8 44.6
86 64.3 48.2 72.4

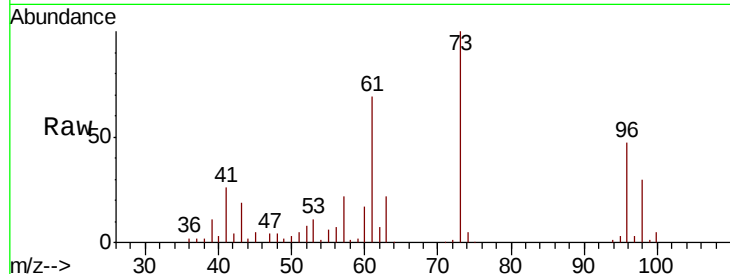




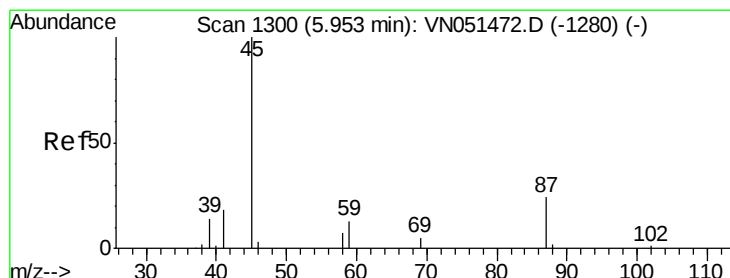
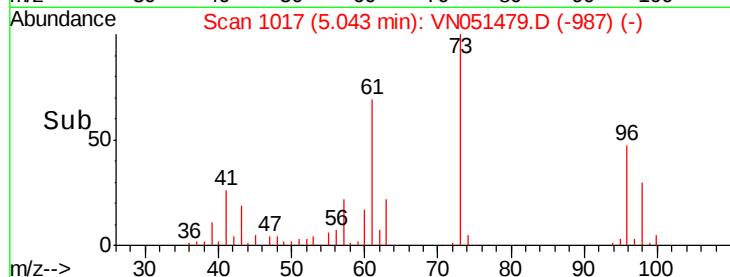
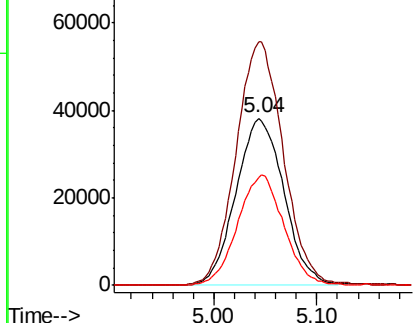
#19
trans-1,2-Dichloroethene
Concen: 21.841 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion: 96 Resp: 123329
Ion Ratio Lower Upper
96 100
61 144.7 112.3 168.5
98 64.4 47.1 70.7

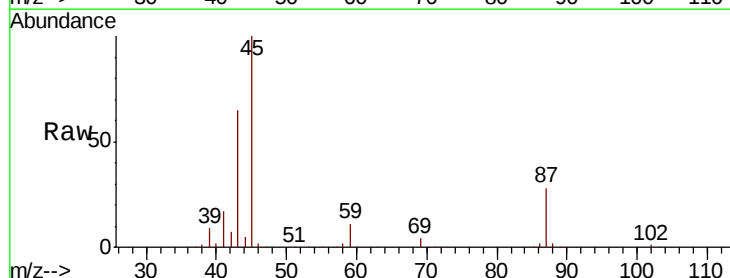


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

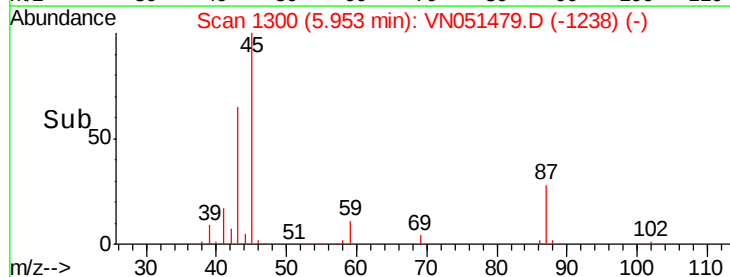
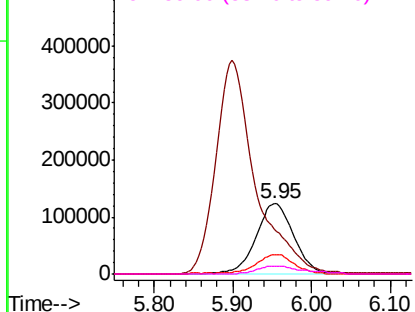


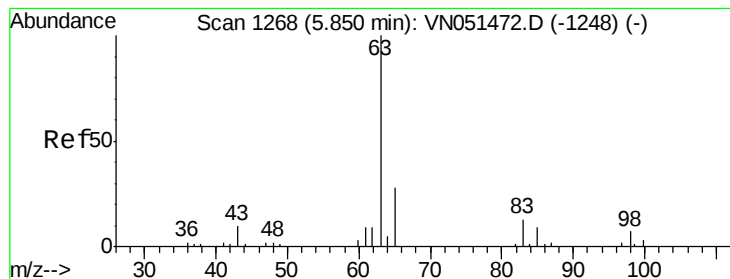
#20
Diisopropyl ether
Concen: 22.704 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion: 45 Resp: 415126
Ion Ratio Lower Upper
45 100
43 61.7 62.1 93.1#
87 27.1 19.9 29.9
59 11.1 9.8 14.6



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: 21.942 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

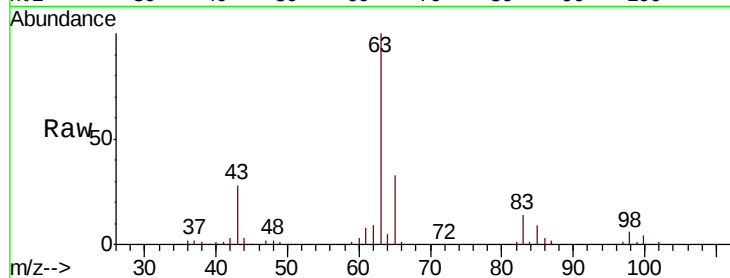
Tot Ion: 63 Resp: 241656

Ion Ratio Lower Upper

63 100

98 6.5 4.1 12.3

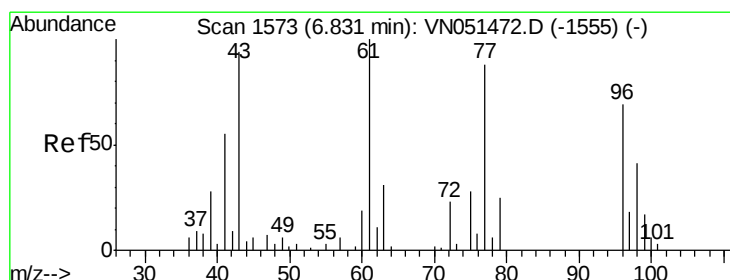
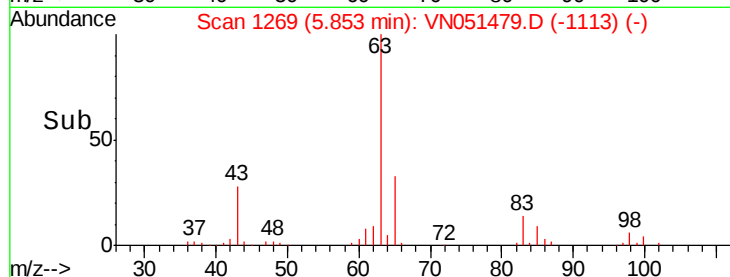
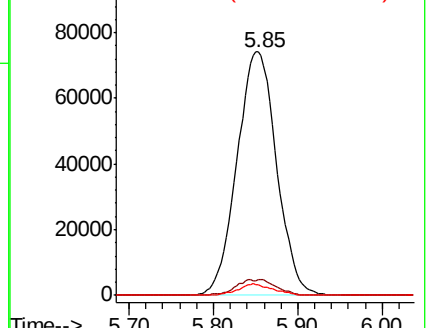
100 4.3 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VN051472.D (-1248) (-)

Ion 98.00 (97.70 to 98.70): VN051472.D (-1248) (-)

Ion 100.00 (99.70 to 100.70): VN051472.D (-1248) (-)



#22

cis-1,2-Dichloroethene

Concen: 21.624 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

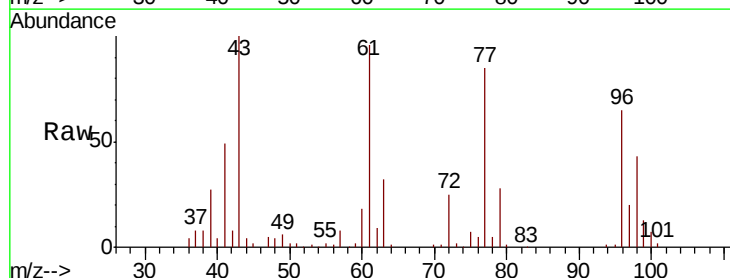
Tgt Ion: 96 Resp: 136637

Ion Ratio Lower Upper

96 100

61 151.7 124.5 186.7

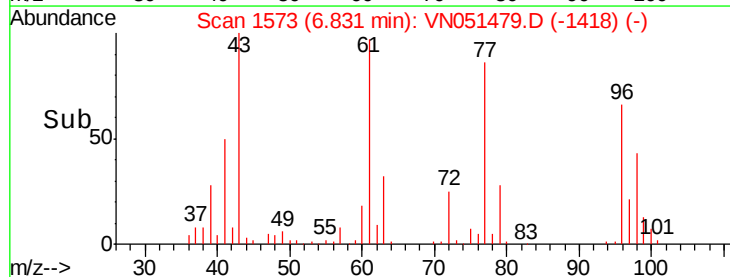
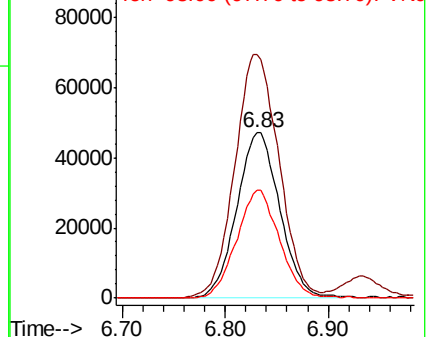
98 65.0 51.9 77.9

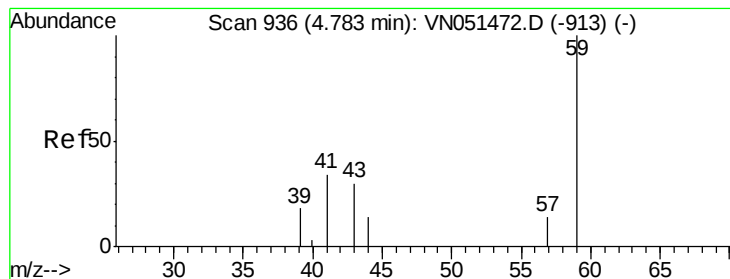


Abundance Ion 96.00 (95.70 to 96.70): VN051479.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN051479.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN051479.D (-1418) (-)





#23

tert-Butyl Alcohol

Concen: 113.213 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.01 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

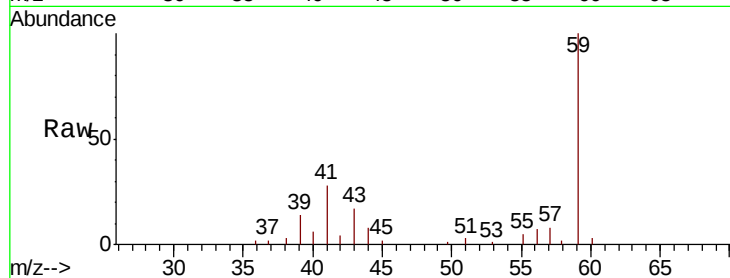
ICVVN092518

Tot Ion: 59 Resp: 39706

Ion Ratio Lower Upper

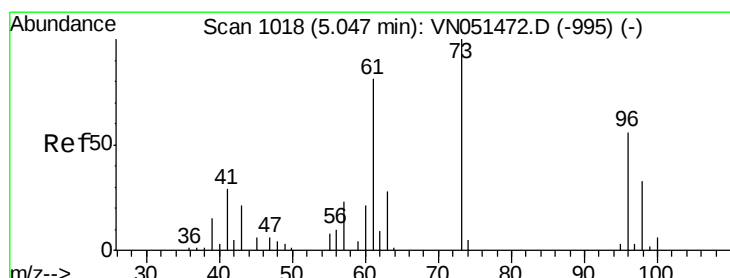
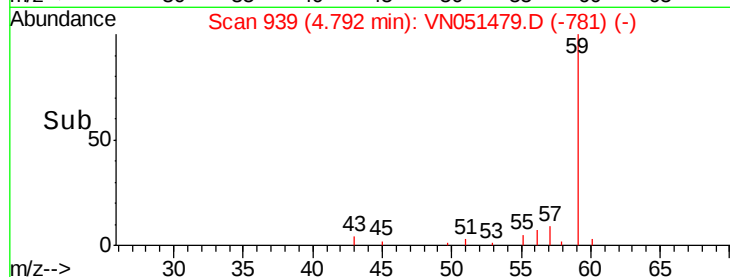
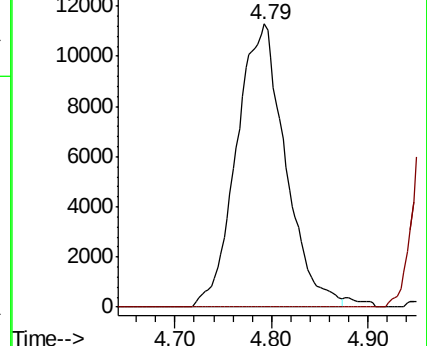
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 21.444 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051479.D

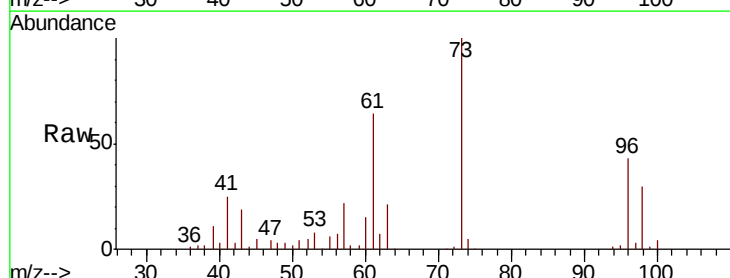
Acq: 25 Sep 2018 12:09

Tgt Ion: 73 Resp: 304666

Ion Ratio Lower Upper

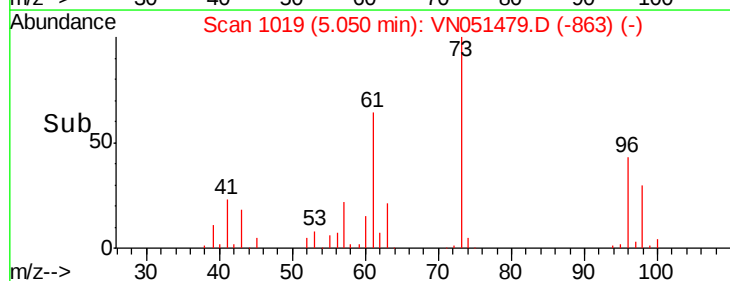
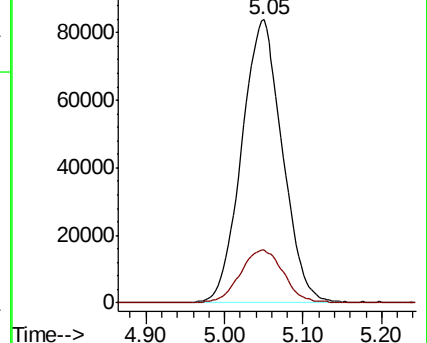
73 100

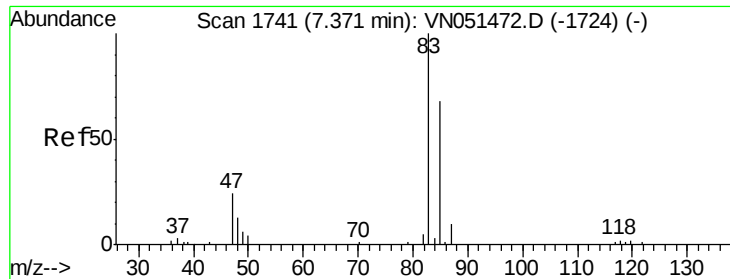
43 19.2 5.4 8.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 22.082 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampled :

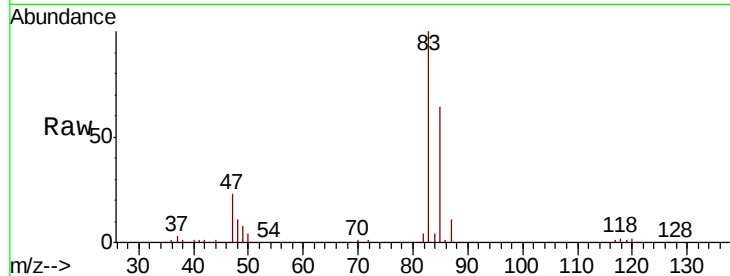
ICVVN092518

Tot Ion: 83 Resp: 242577

Ion Ratio Lower Upper

83 100

85 63.9 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

100000

80000

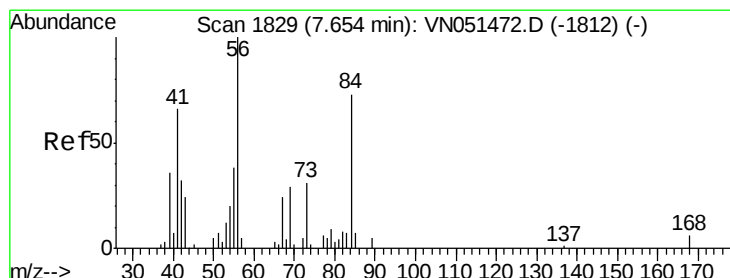
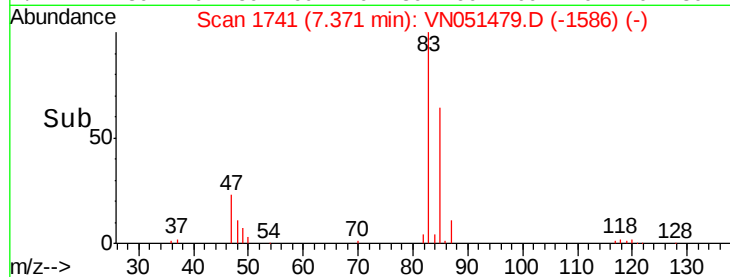
60000

40000

20000

0

Time-->



#26

Cyclohexane

Concen: 21.540 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

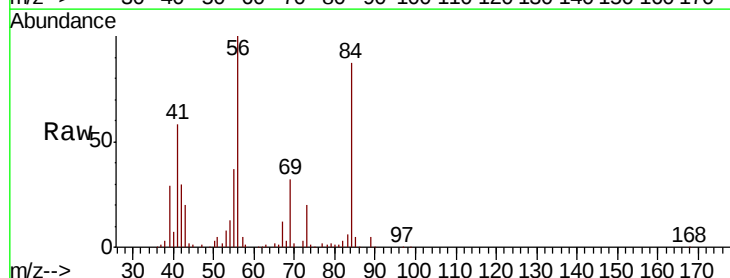
Tgt Ion: 56 Resp: 201973

Ion Ratio Lower Upper

56 100

89 5.4 1.5 2.3#

84 84.4 64.2 96.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

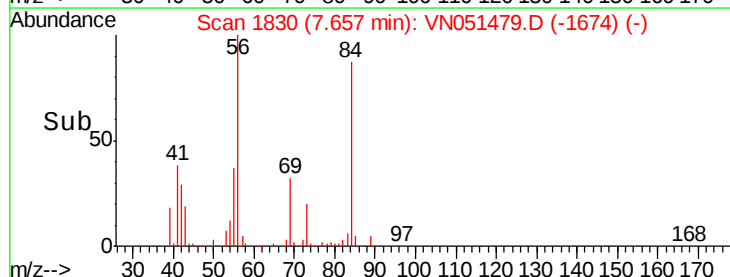
150000

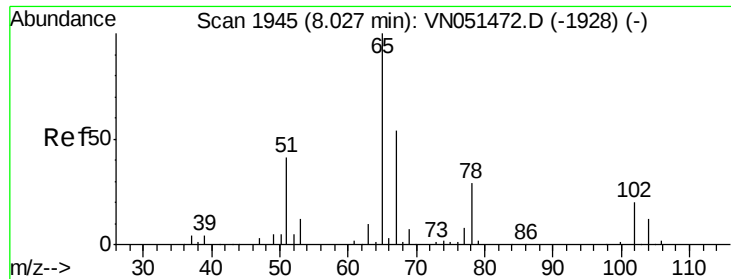
100000

50000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 29.902 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

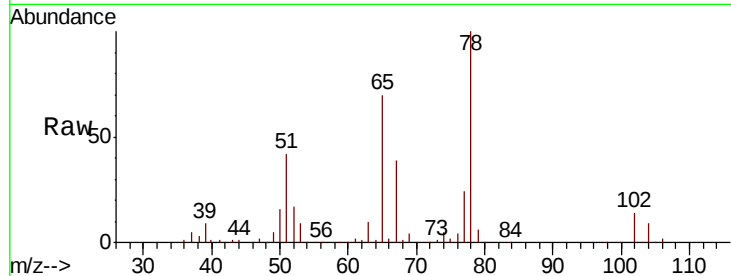
ICVVN092518

Tot Ion: 65 Resp: 227554

Ion Ratio Lower Upper

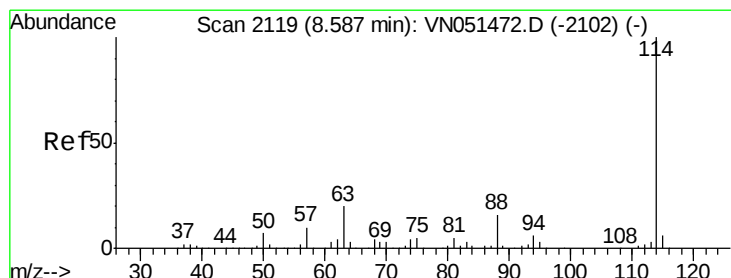
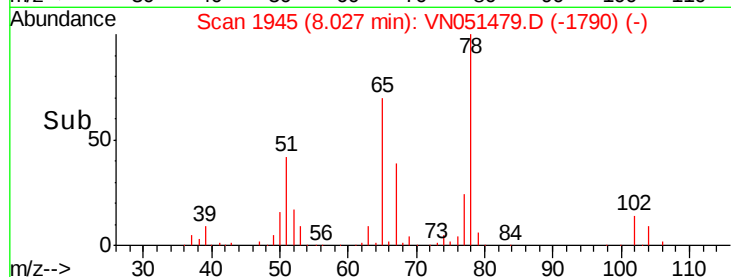
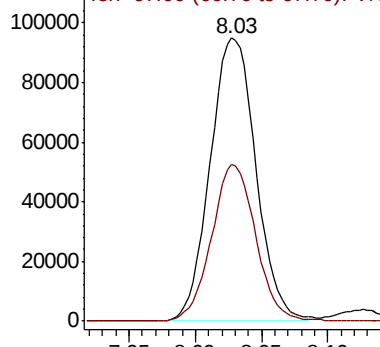
65 100

67 53.3 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

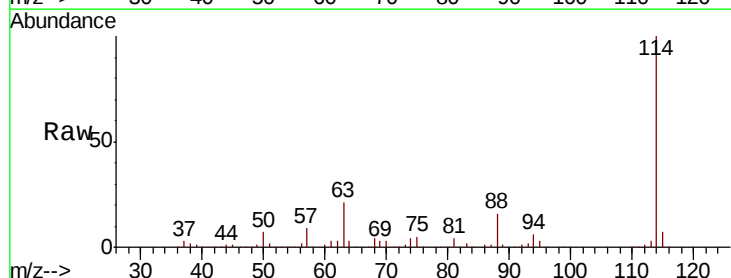
Tgt Ion: 114 Resp: 598702

Ion Ratio Lower Upper

114 100

63 20.3 16.2 24.2

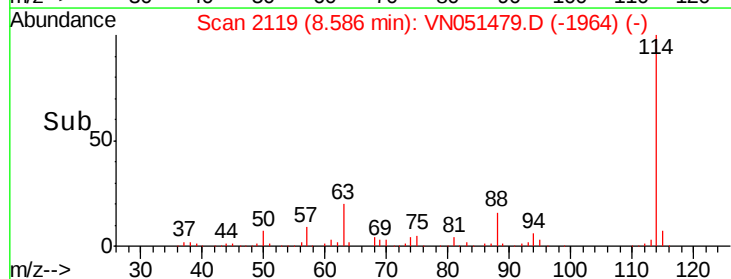
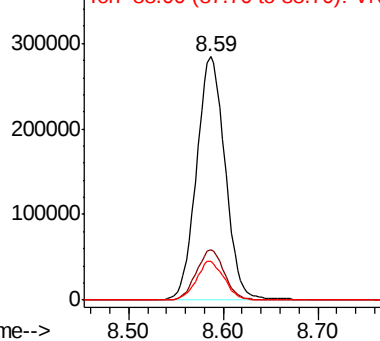
88 15.4 12.2 18.4

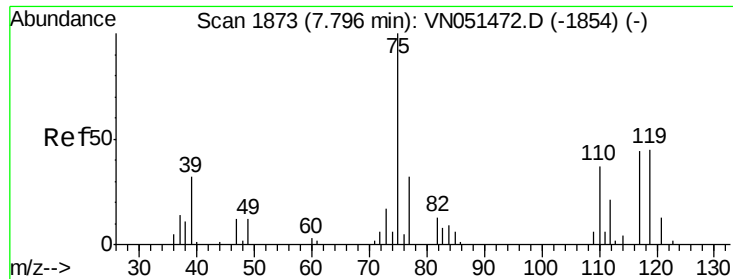


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

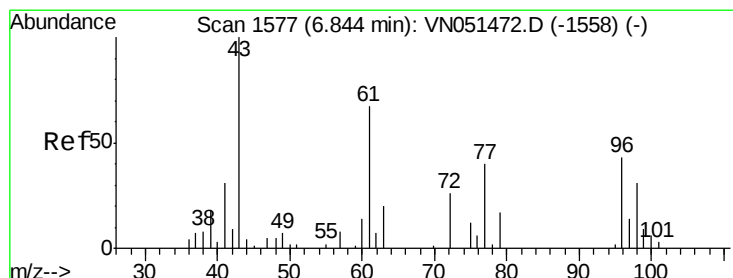
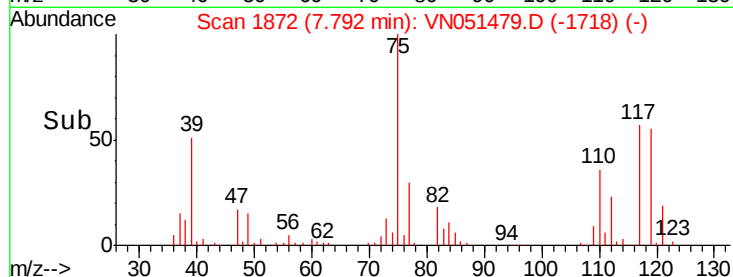
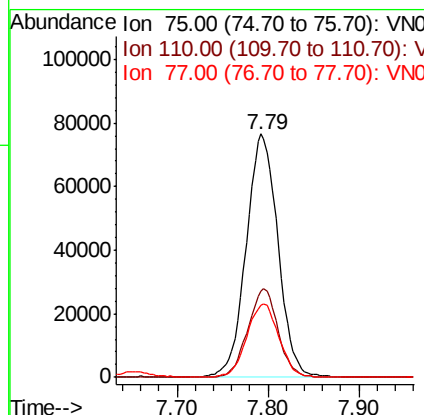
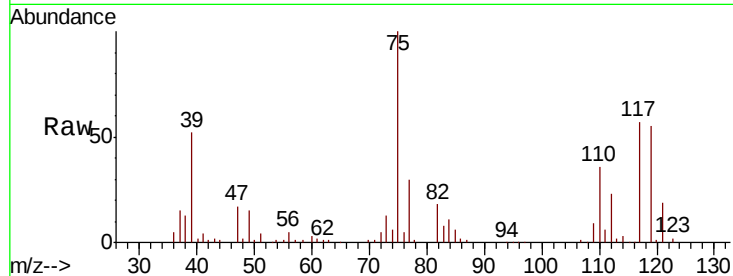




#29
 1,1-Dichloropropene
 Concen: 22.049 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

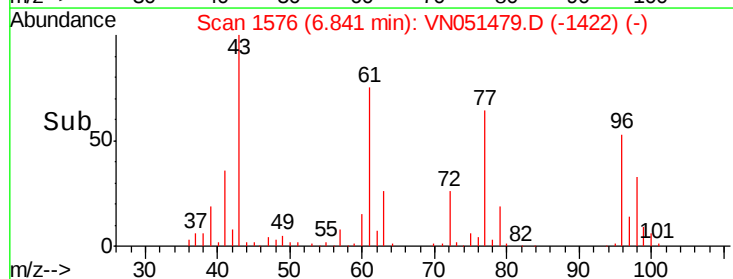
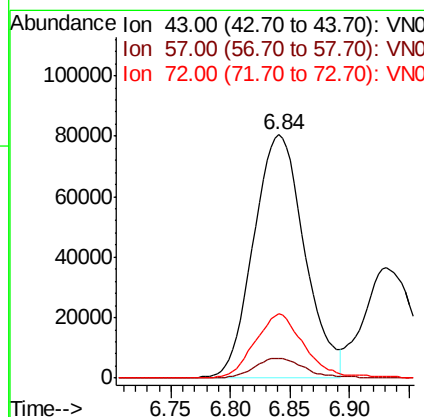
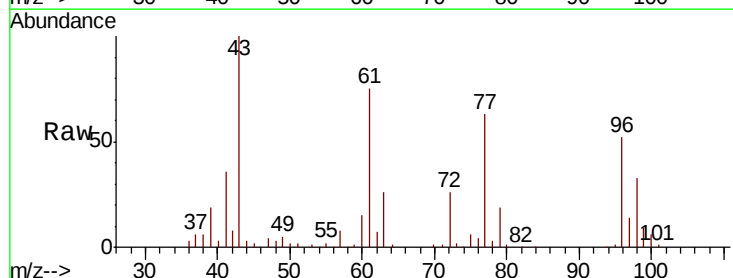
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

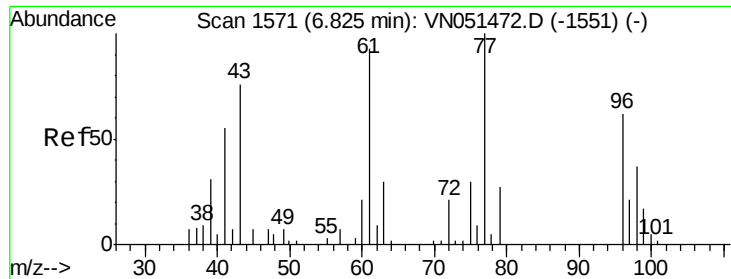
Tot Ion: 75 Resp: 185867
 Ion Ratio Lower Upper
 75 100
 110 34.6 0.0 70.8
 77 30.2 0.0 61.6



#30
 2-Butanone
 Concen: 109.452 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion: 43 Resp: 238332
 Ion Ratio Lower Upper
 43 100
 57 8.1 4.5 6.7#
 72 25.4 21.5 32.3

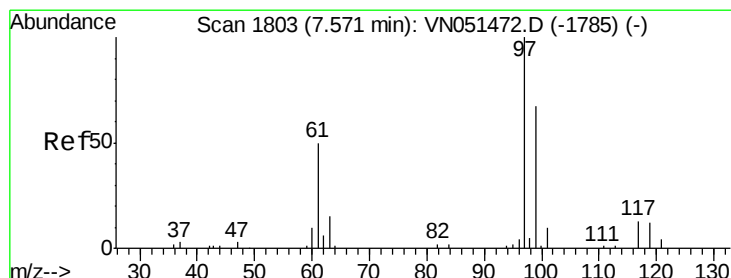
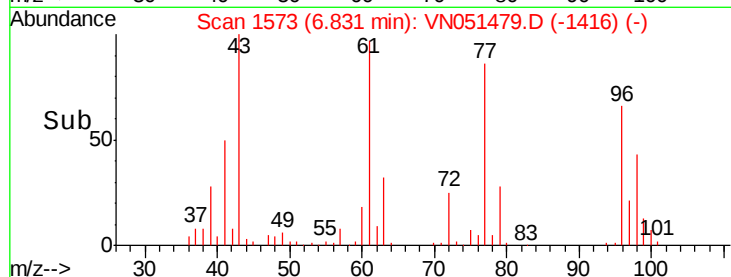
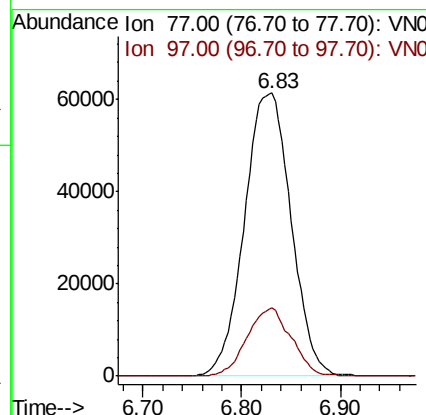
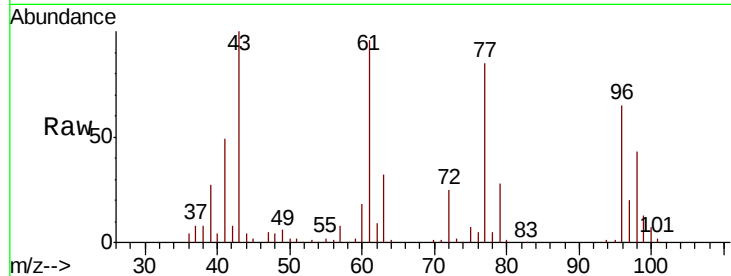




#31
 2,2-Dichloropropane
 Concen: 22.337 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

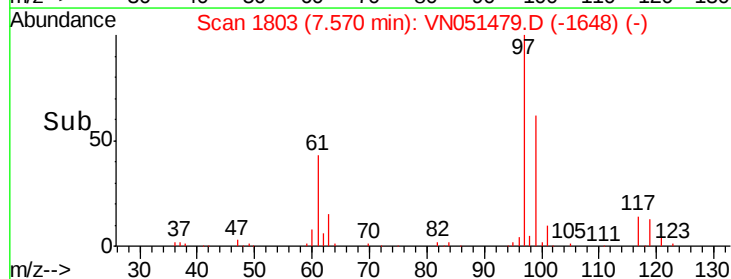
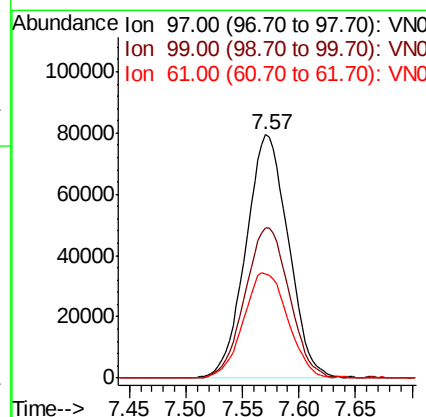
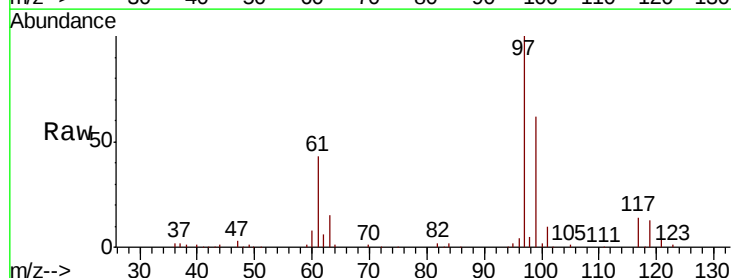
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

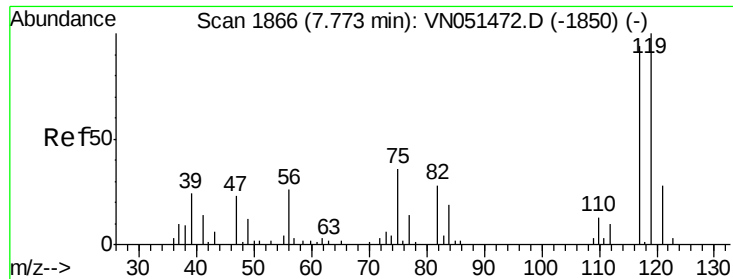
Tot Ion: 77 Resp: 200848
 Ion Ratio Lower Upper
 77 100
 97 22.8 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 21.571 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion: 97 Resp: 207595
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.6 77.4
 61 45.4 37.4 56.0

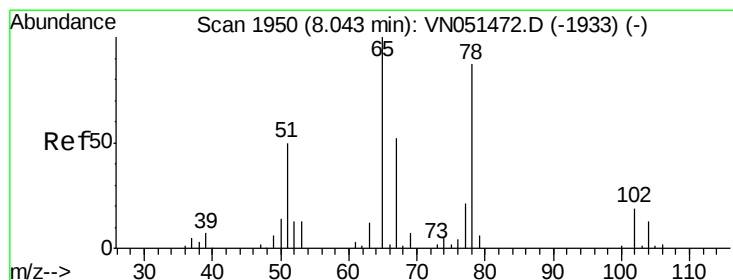
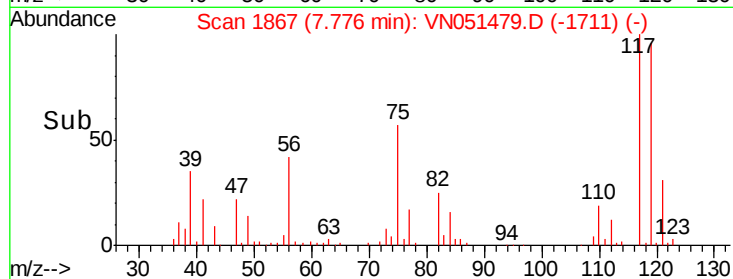
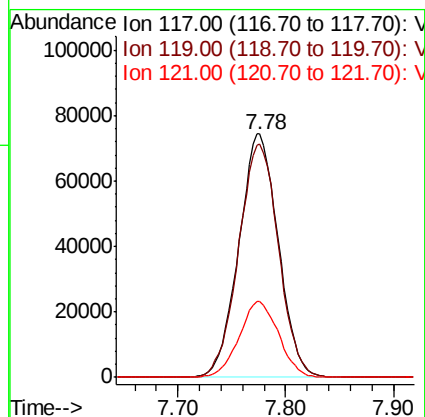
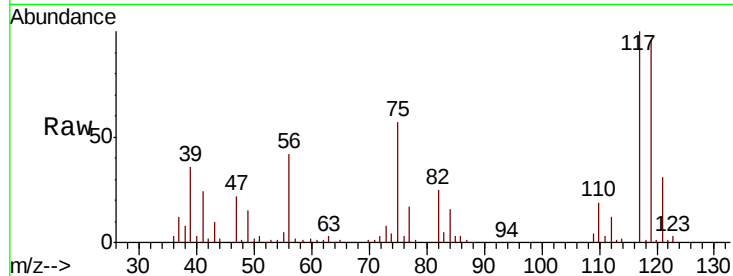




#33
Carbon Tetrachloride
Concen: 21.346 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

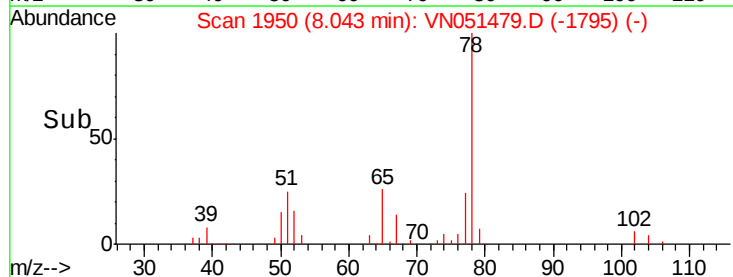
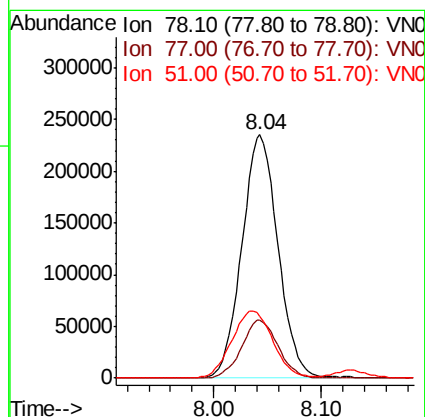
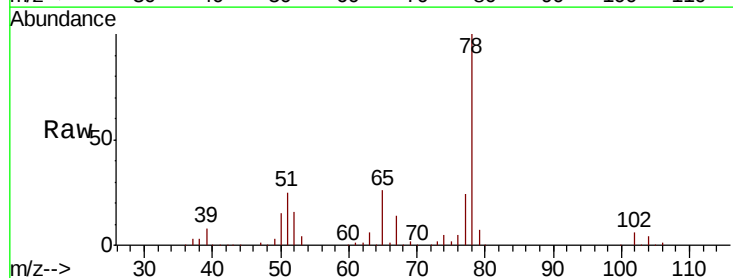
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

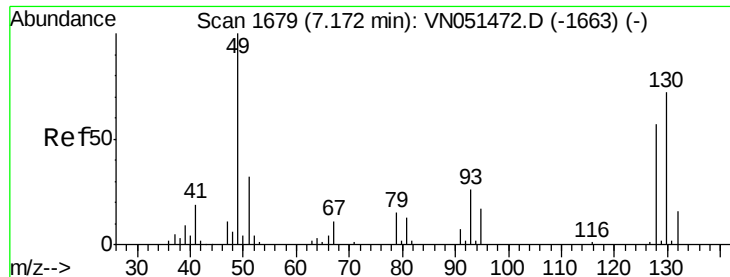
Tot Ion:117 Resp: 188491
Ion Ratio Lower Upper
117 100
119 95.9 85.1 127.7
121 31.3 24.2 36.2



#34
Benzene
Concen: 21.867 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion: 78 Resp: 547264
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2
51 25.2 46.2 69.4#

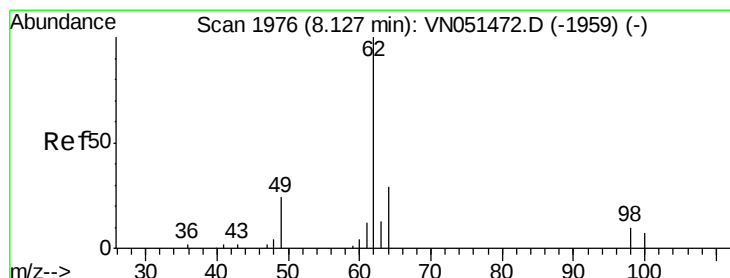
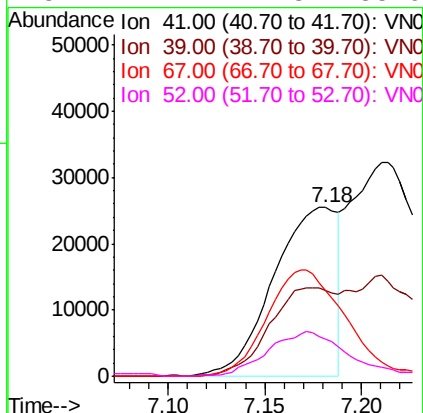
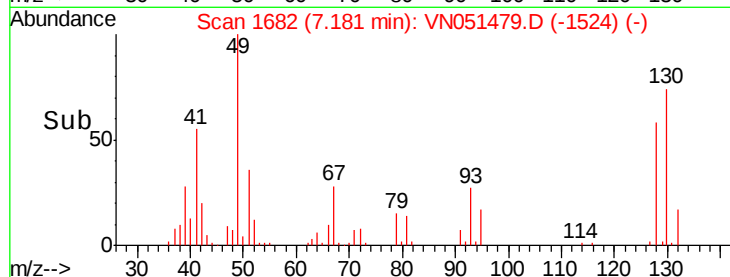
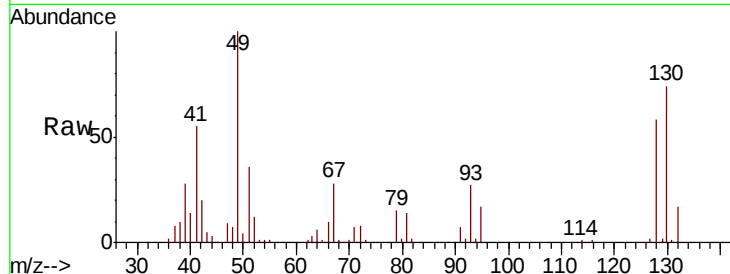




#35
Methacrylonitrile
Concen: 18.599 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

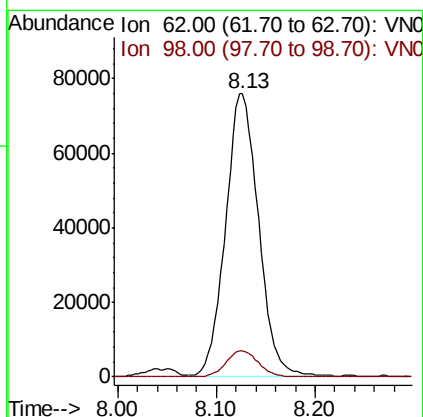
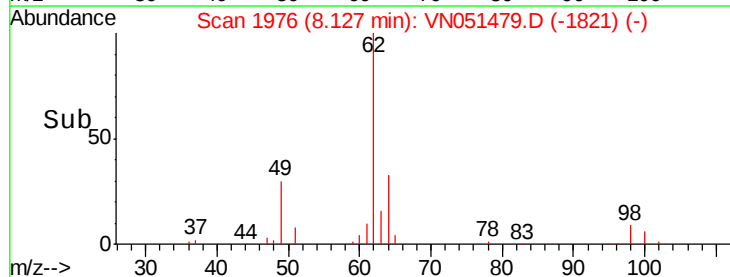
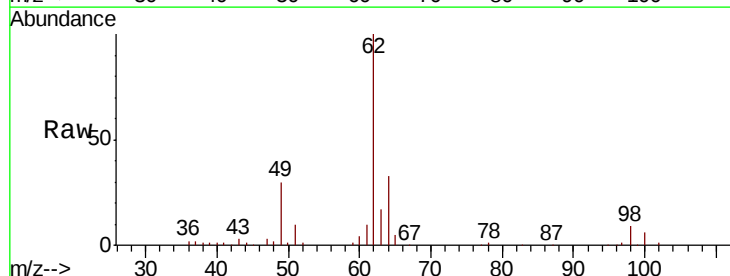
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

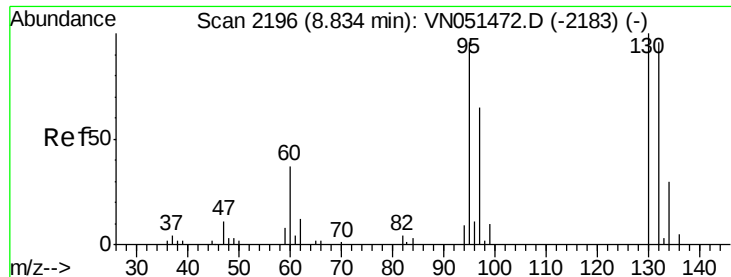
Tot Ion:	41	Resp:	58362
Ion	Ratio	Lower	Upper
41	100		
39	51.1	22.6	67.7
67	50.6	28.9	86.8
52	22.2	11.3	33.9



#36
1,2-Dichloroethane
Concen: 21.620 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion:	62	Resp:	176193
Ion	Ratio	Lower	Upper
62	100		
98	9.1	6.9	10.3

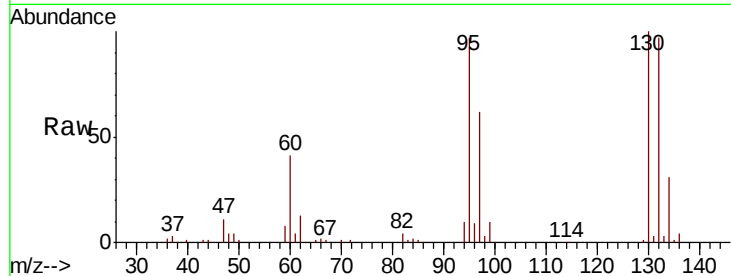




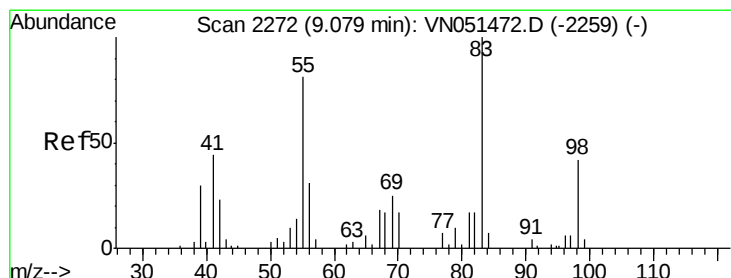
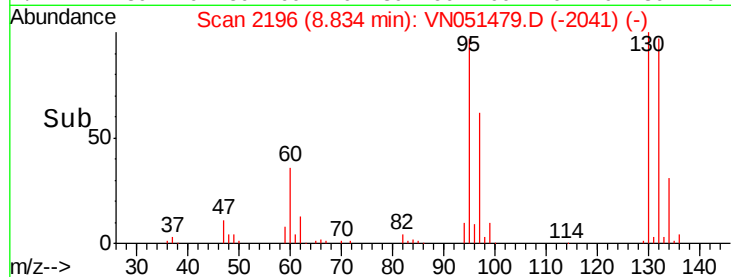
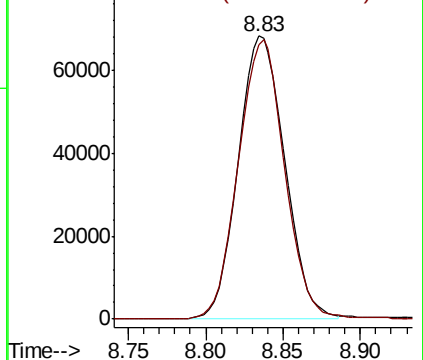
#37
 Trichloroethene
 Concen: 21.539 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

Tot Ion:130 Resp: 142878
 Ion Ratio Lower Upper
 130 100
 95 96.8 76.4 114.6

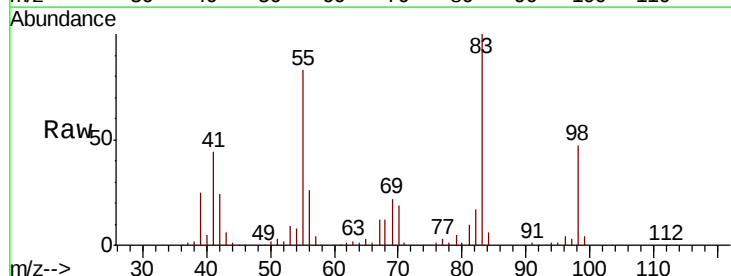


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

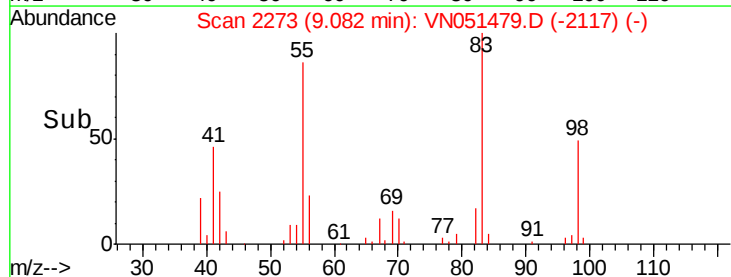
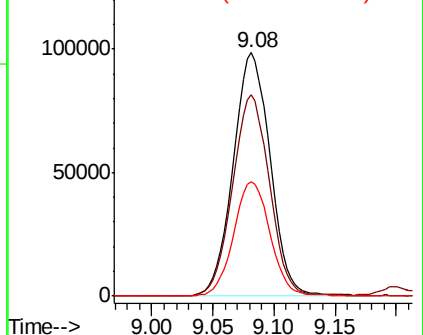


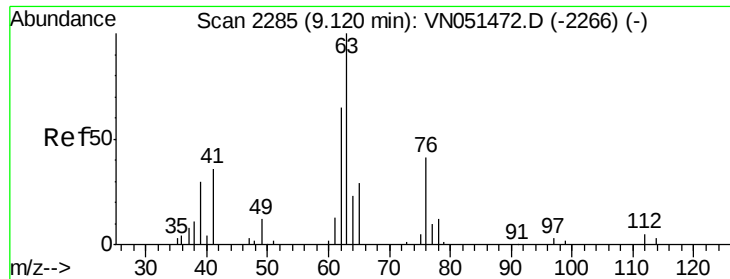
#38
 Methylcyclohexane
 Concen: 21.184 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion: 83 Resp: 207014
 Ion Ratio Lower Upper
 83 100
 55 82.4 43.0 129.2
 98 46.4 21.3 63.7



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





#39

1,2-Dichloropropane

Concen: 22.073 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

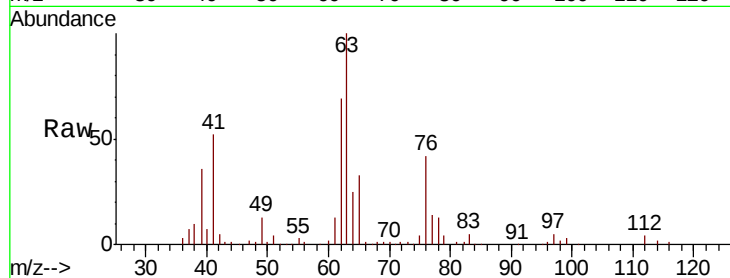
ICVFN092518

Tot Ion: 63 Resp: 150280

Ion Ratio Lower Upper

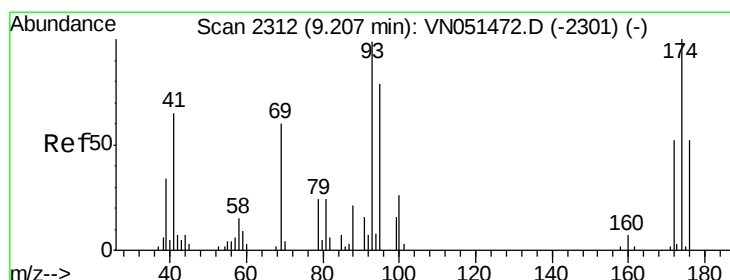
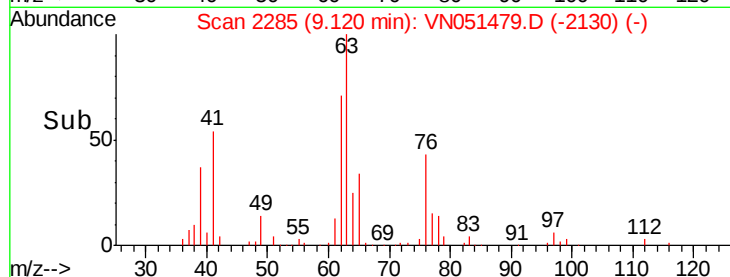
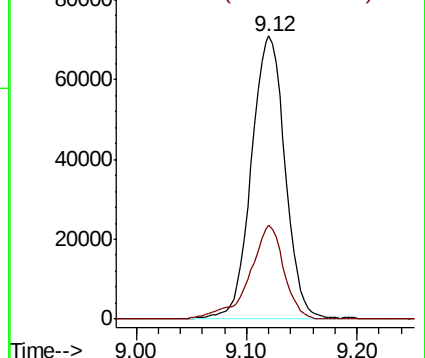
63 100

65 33.1 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.724 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

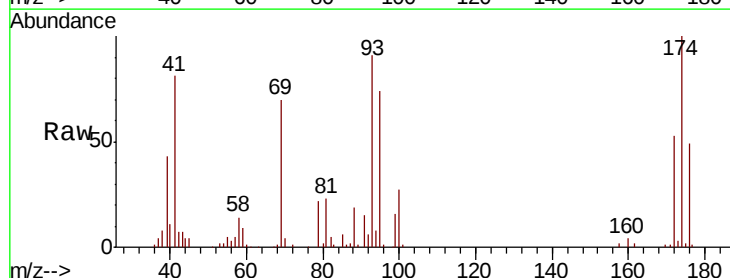
Tgt Ion: 93 Resp: 84181

Ion Ratio Lower Upper

93 100

95 83.0 0.0 162.0

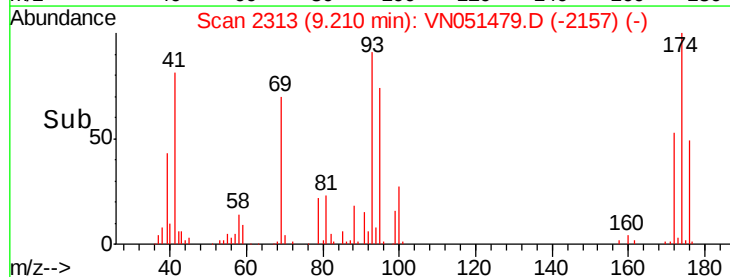
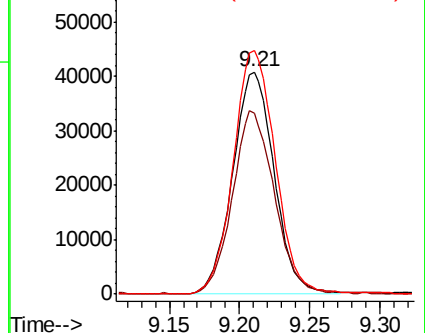
174 110.9 0.0 214.0

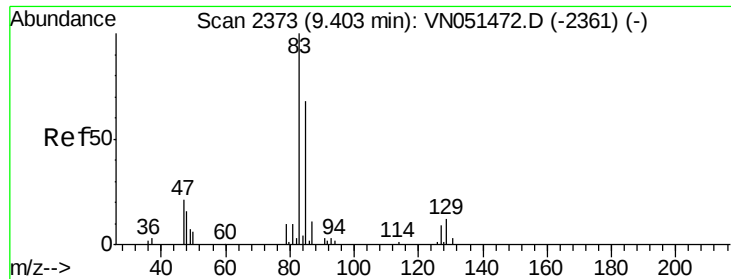


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 21.692 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

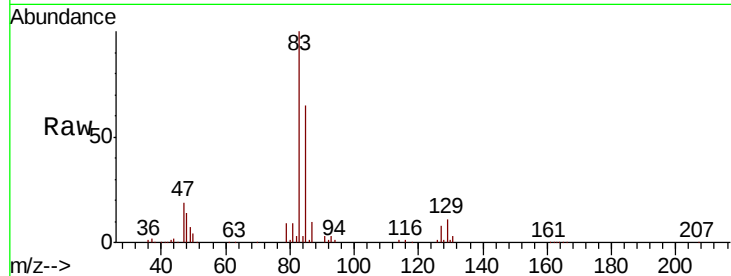
Tot Ion: 83 Resp: 184805

Ion Ratio Lower Upper

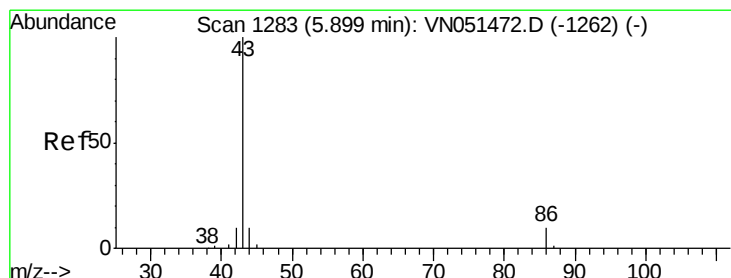
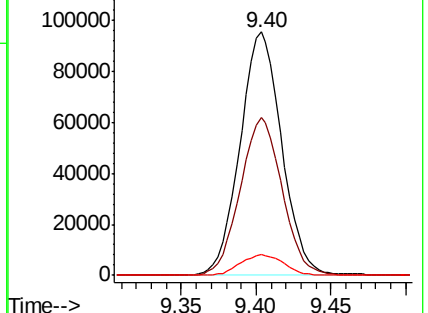
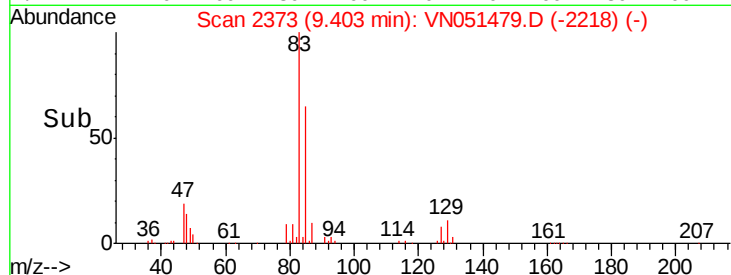
83 100

85 64.6 55.7 83.5

127 8.3 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 108.365 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051479.D

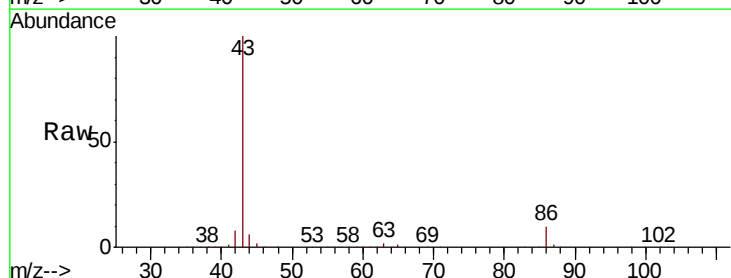
Acq: 25 Sep 2018 12:09

Tgt Ion: 43 Resp: 1312090

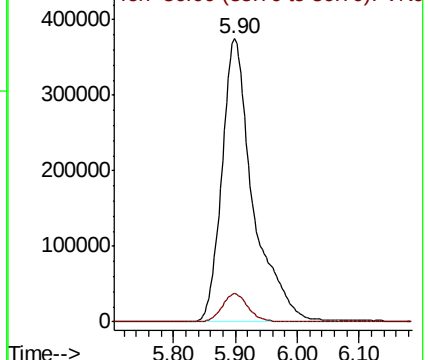
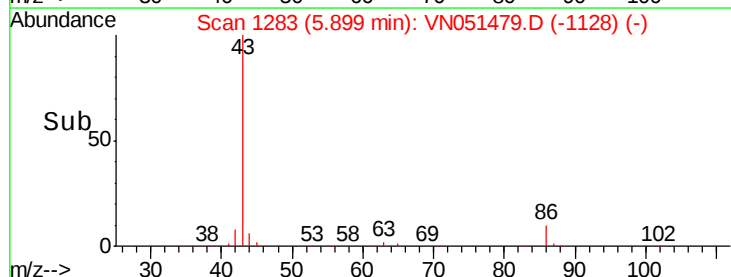
Ion Ratio Lower Upper

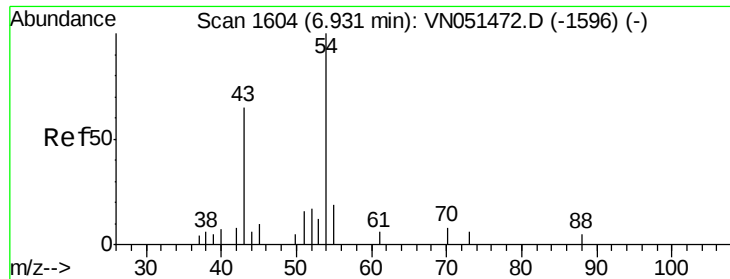
43 100

86 8.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

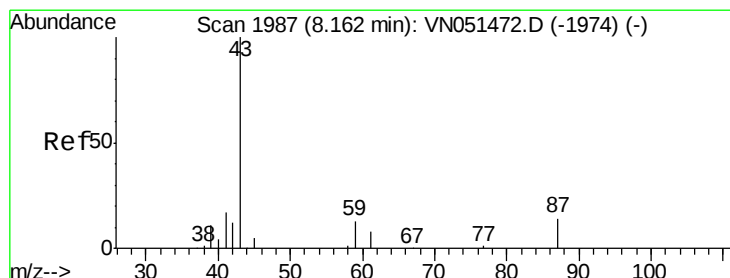
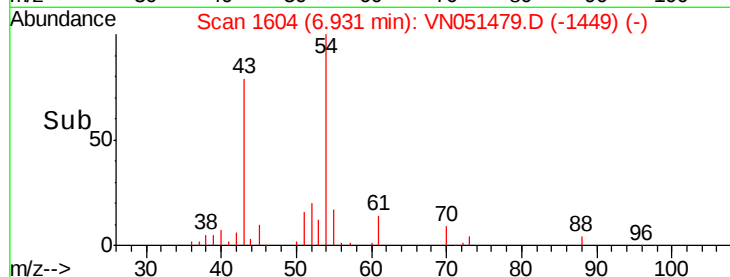
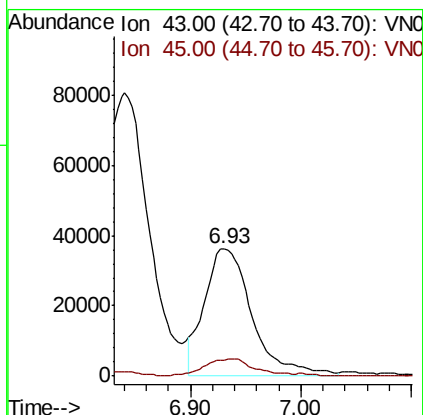
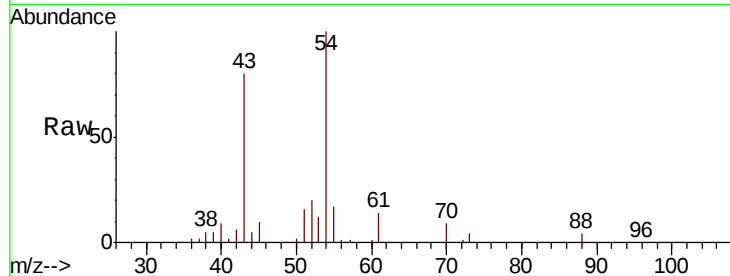




#43
Ethyl Acetate
Concen: 23.865 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

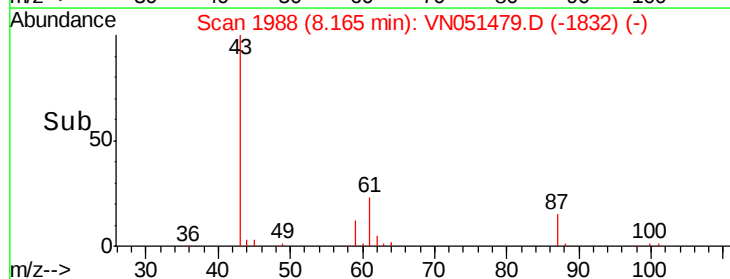
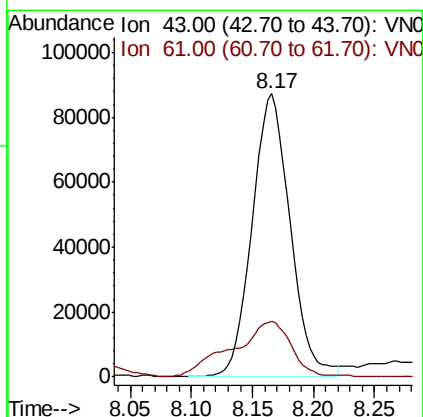
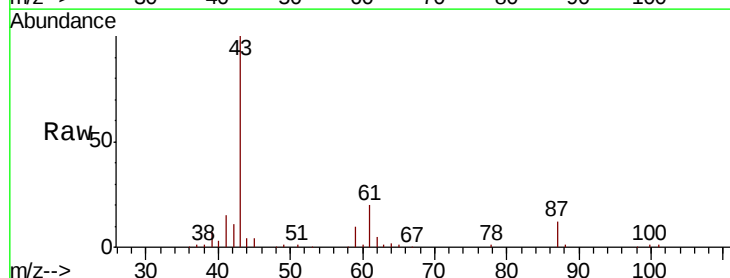
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

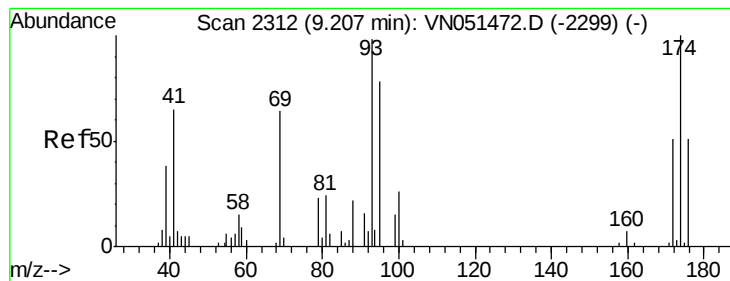
Tot Ion: 43 Resp: 108123
Ion Ratio Lower Upper
43 100
45 12.7 11.0 16.6



#44
Isopropyl Acetate
Concen: 21.637 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion: 43 Resp: 188538
Ion Ratio Lower Upper
43 100
61 29.3 15.9 23.9#





#45

1,4-Dioxane

Concen: 458.233 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

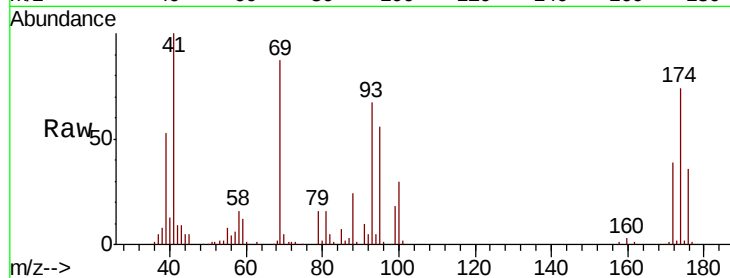
Tot Ion: 88 Resp: 24292

Ion Ratio Lower Upper

88 100

43 31.8 26.2 39.2

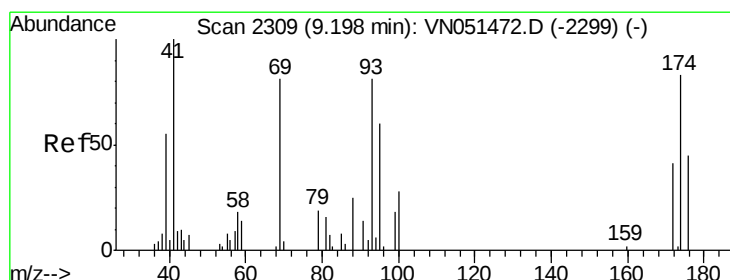
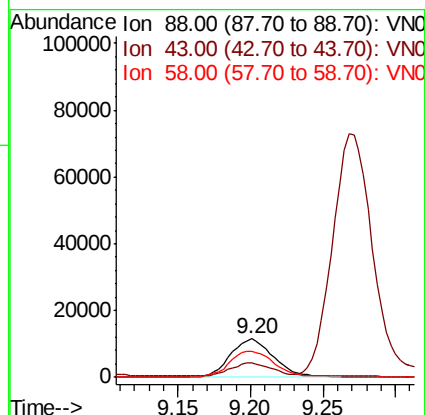
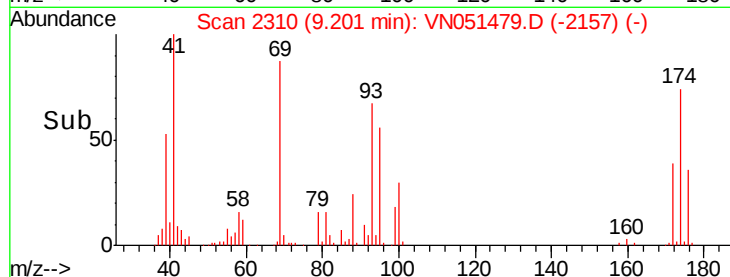
58 70.6 65.6 98.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 20.993 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

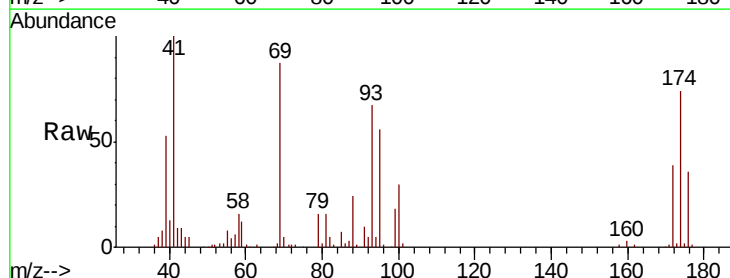
Tgt Ion: 41 Resp: 90589

Ion Ratio Lower Upper

41 100

69 87.4 40.7 122.1

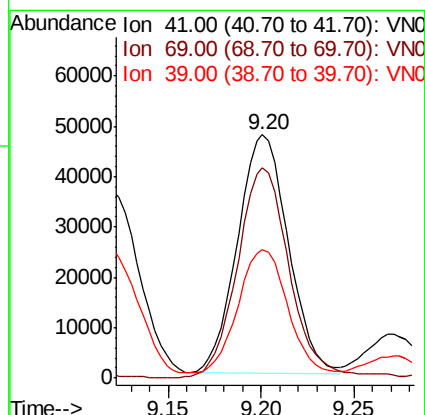
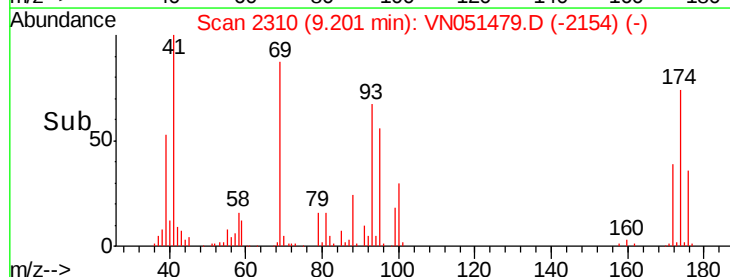
39 51.3 27.3 81.9

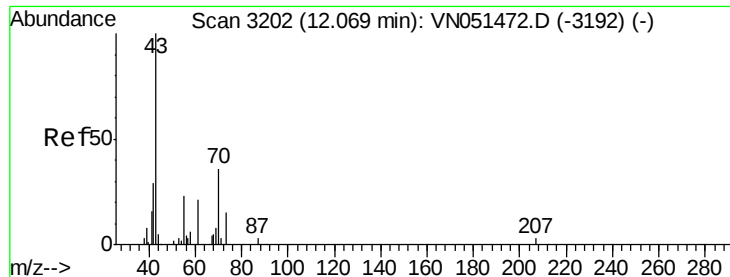


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 0.323 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.17 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

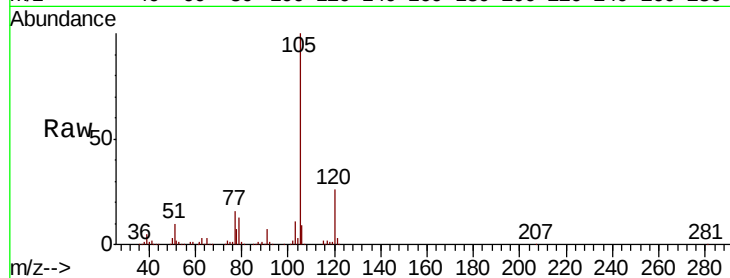
ICVVN092518

Tot Ion: 43 Resp: 2247

Ion Ratio Lower Upper

43 100

55 15.8 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.24

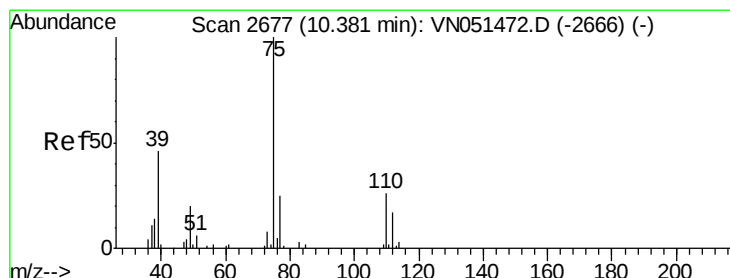
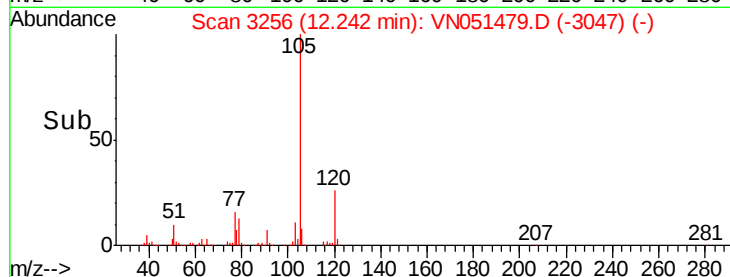
1500

1000

500

0

Time--> 12.20 12.25



#48

t-1,3-Dichloropropene

Concen: 22.254 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051479.D

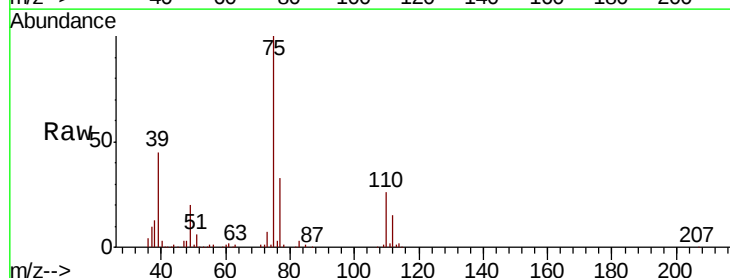
Acq: 25 Sep 2018 12:09

Tgt Ion: 75 Resp: 188265

Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

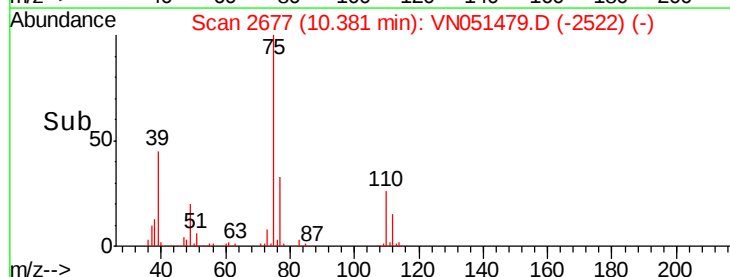
60000

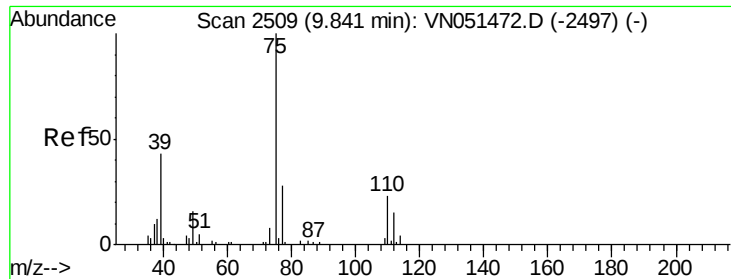
40000

20000

0

Time--> 10.30 10.40 10.50

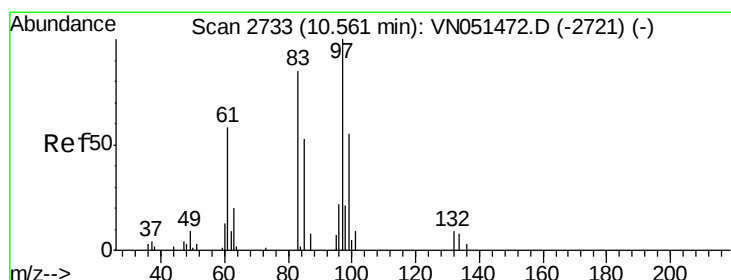
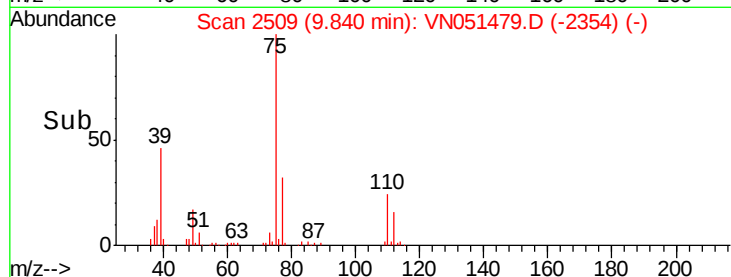
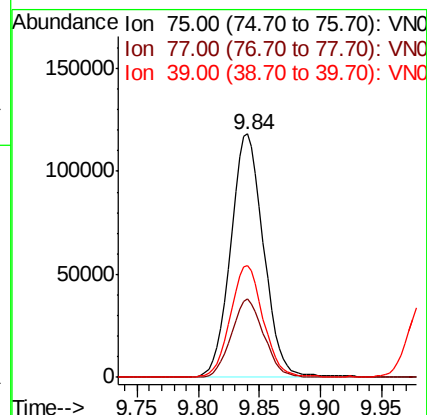
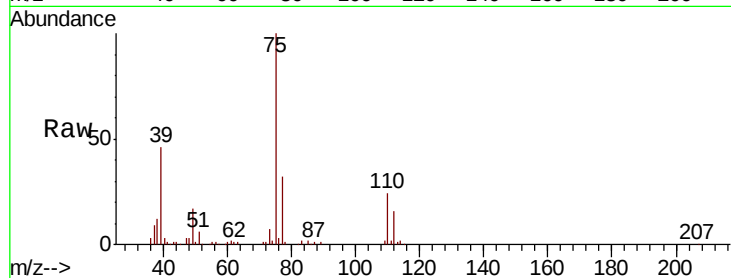




#49
 cis-1,3-Dichloropropene
 Concen: 22.733 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

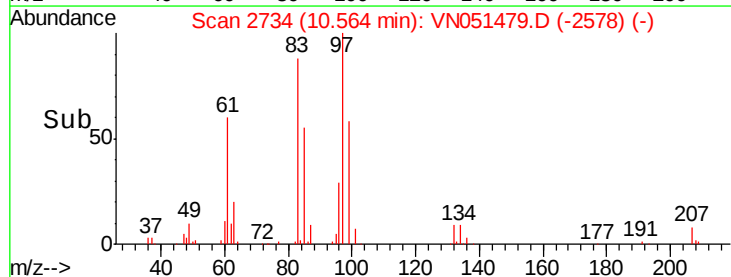
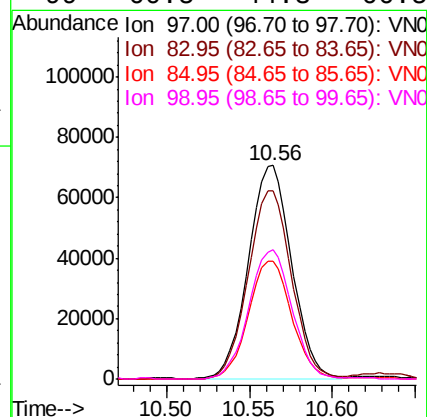
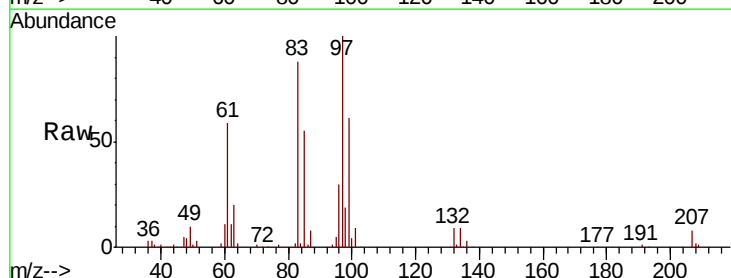
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

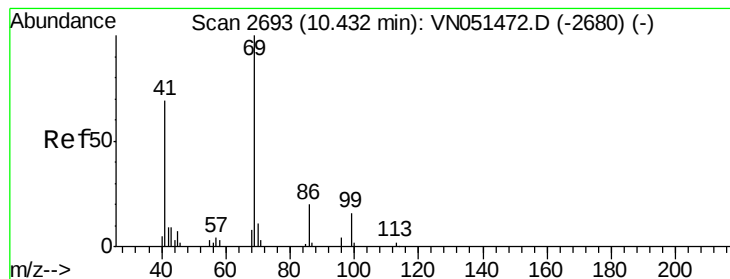
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	23.2	34.8
39	45.8	34.6	52.0



#50
 1,1,2-Trichloroethane
 Concen: 23.181 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.2	102.4
85	55.2	42.5	63.7
99	60.5	44.3	66.5





#51

Ethyl methacrylate

Concen: 22.320 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampled :

ICVVN092518

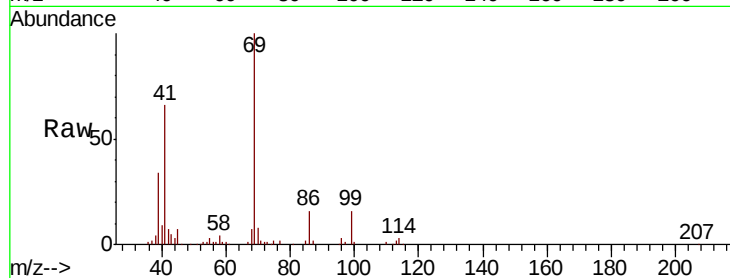
Tot Ion: 69 Resp: 146356

Ion Ratio Lower Upper

69 100

41 65.6 34.4 103.1

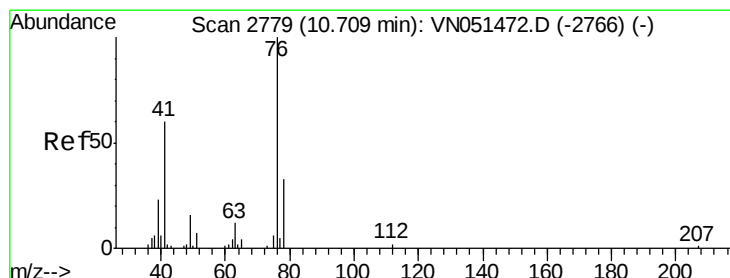
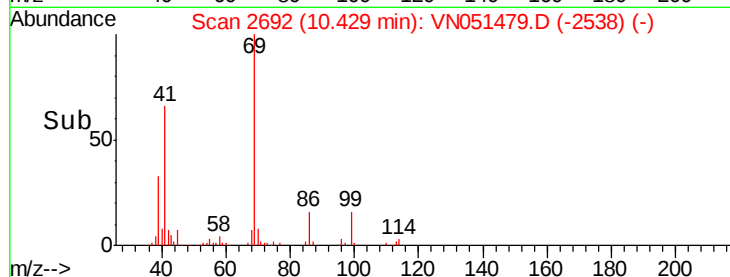
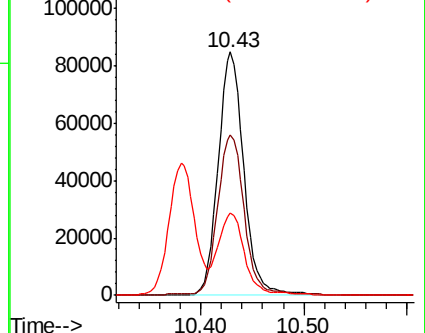
39 33.4 16.3 48.8



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: 22.039 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051479.D

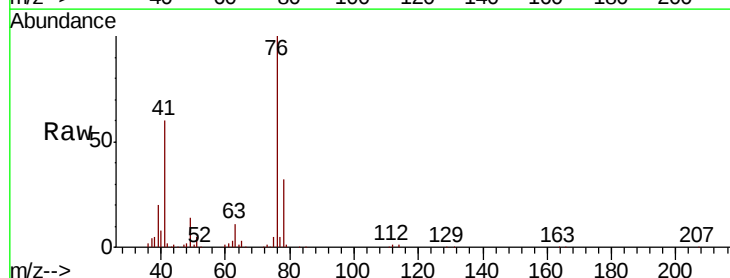
Acq: 25 Sep 2018 12:09

Tgt Ion: 76 Resp: 206004

Ion Ratio Lower Upper

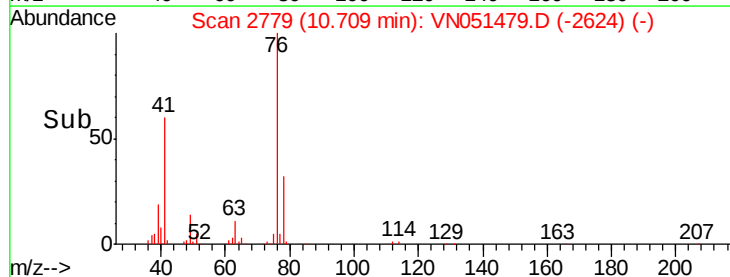
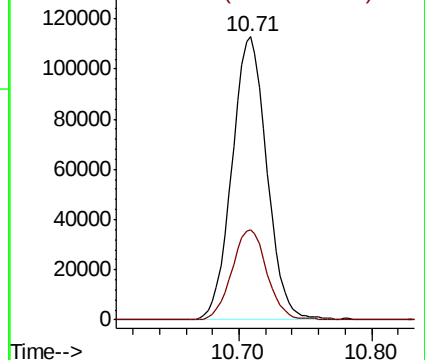
76 100

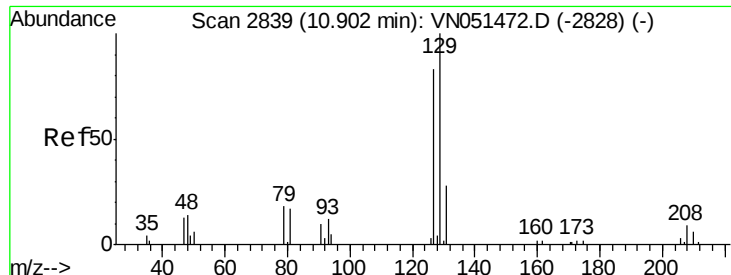
78 32.1 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

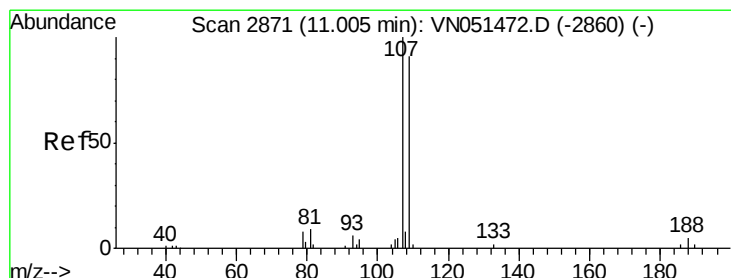
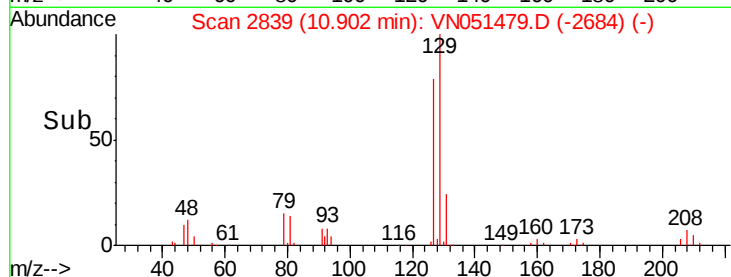
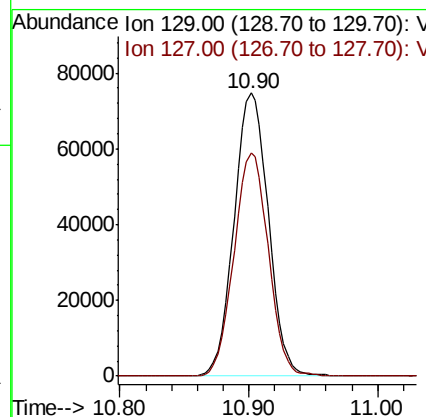
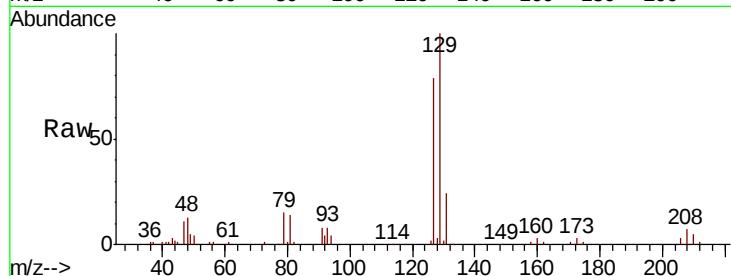




#53
Dibromochloromethane
Concen: 21.671 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

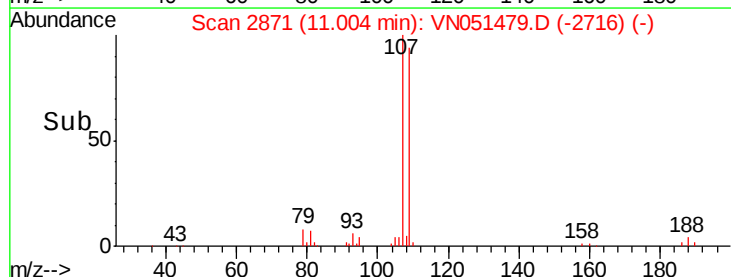
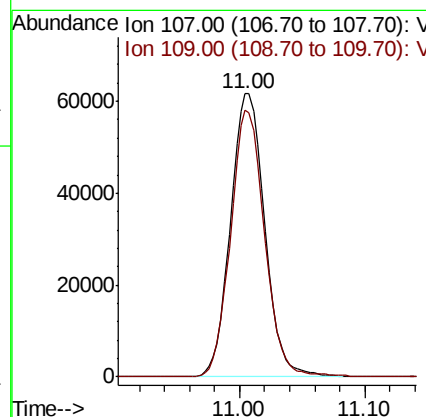
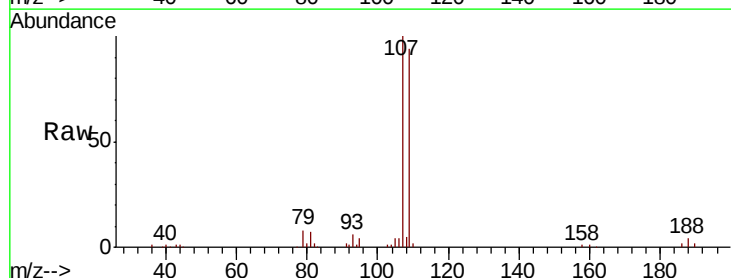
Instrument :
MSVOA_N
ClientSampleId :
ICVFN092518

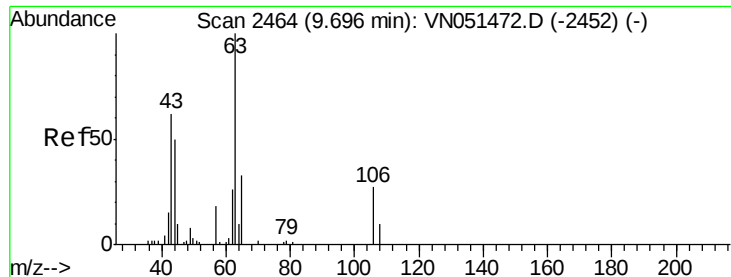
Tot Ion:129 Resp: 138111
Ion Ratio Lower Upper
129 100
127 79.1 40.2 120.5



#54
1,2-Dibromoethane
Concen: 21.851 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion:107 Resp: 116816
Ion Ratio Lower Upper
107 100
109 92.9 77.4 116.0

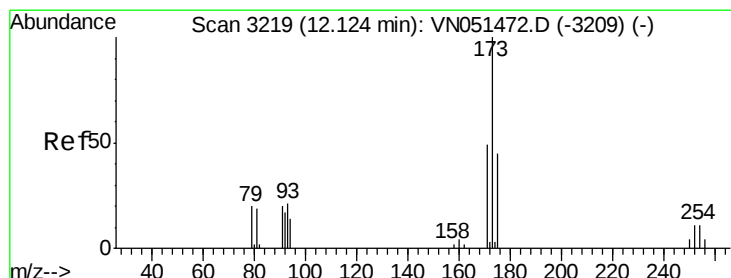
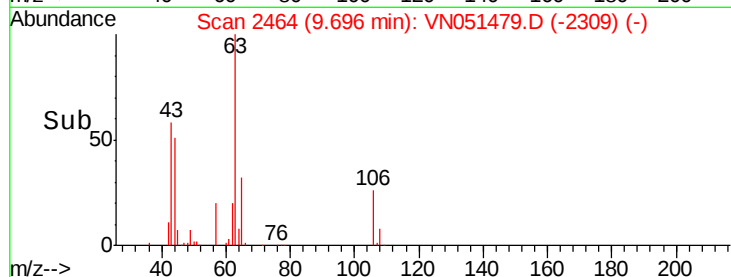
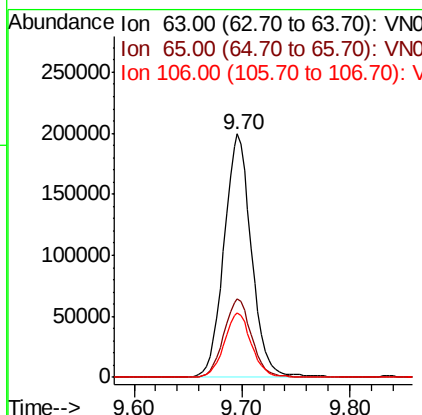
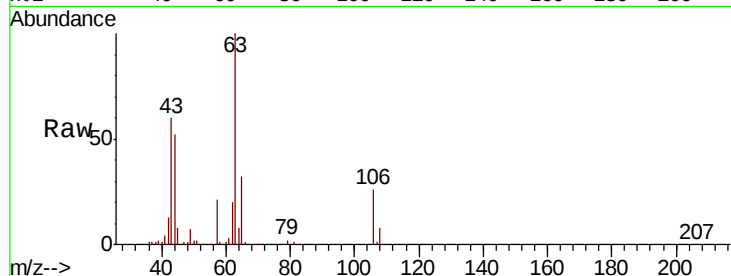




#55
2-Chloroethyl vinyl ether
Concen: 108.944 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

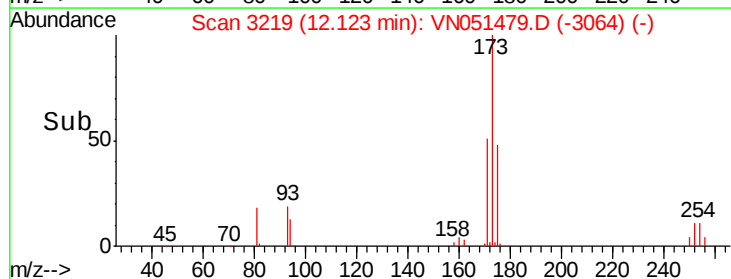
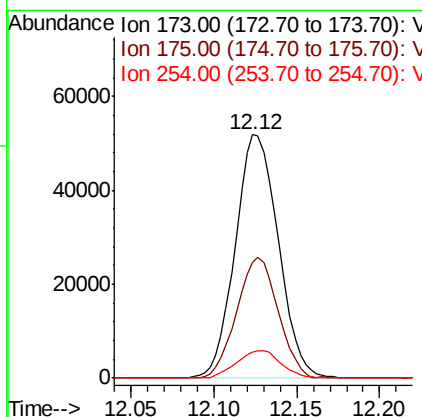
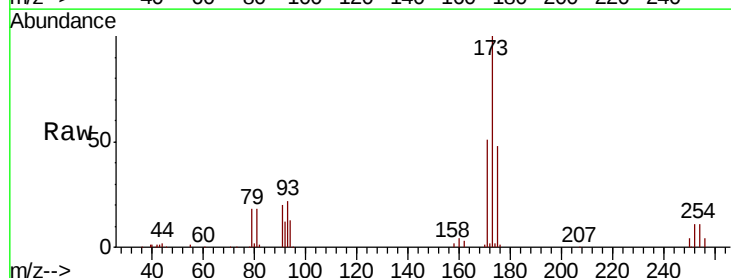
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

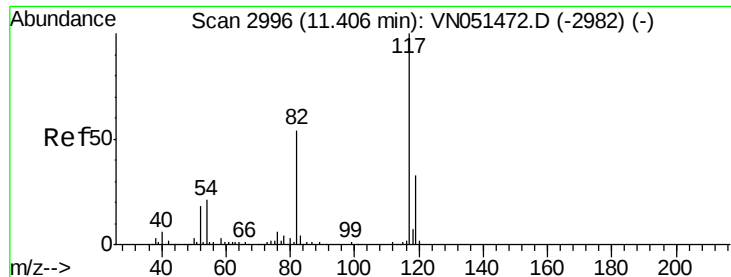
Tot Ion: 63 Resp: 352758
Ion Ratio Lower Upper
63 100
65 32.5 25.4 38.0
106 26.1 21.2 31.8



#56
Bromoform
Concen: 21.827 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion: 173 Resp: 93782
Ion Ratio Lower Upper
173 100
175 47.4 35.8 53.8
254 11.6 8.6 13.0

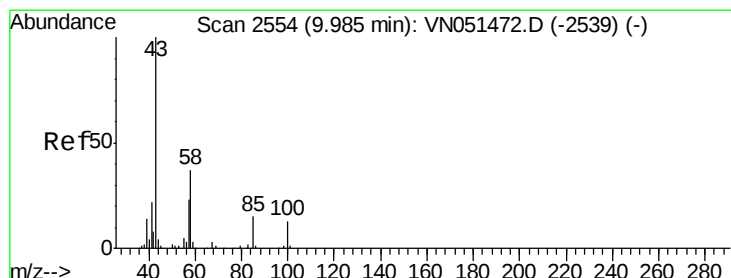
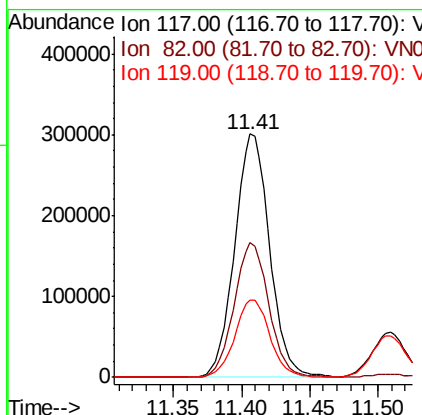
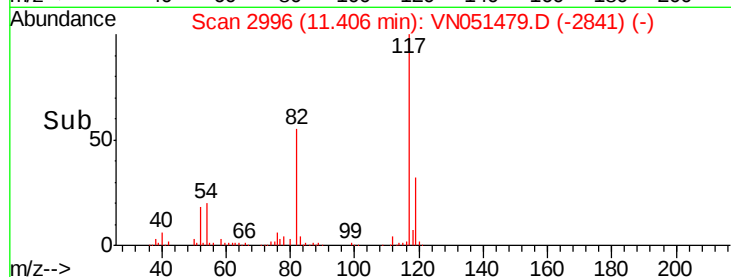
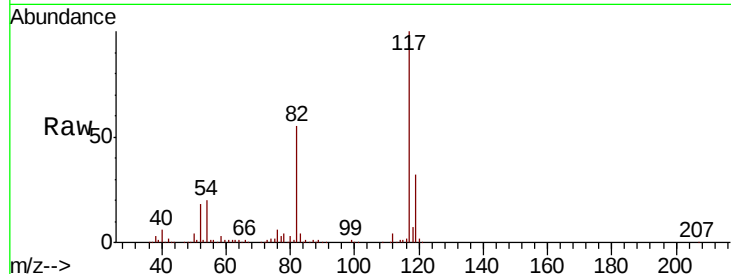




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

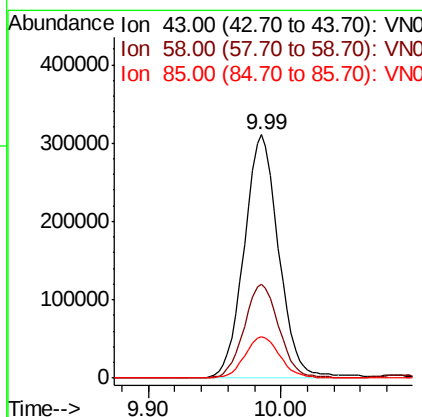
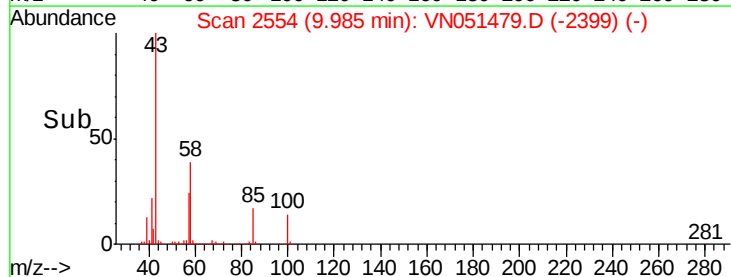
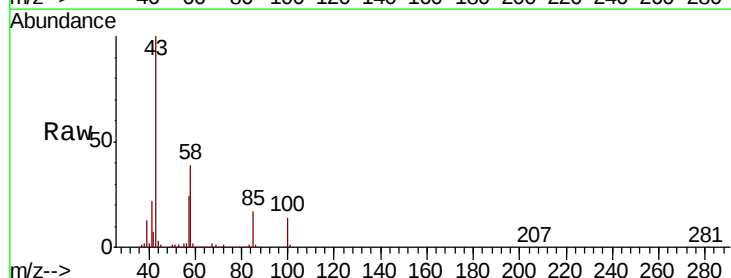
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

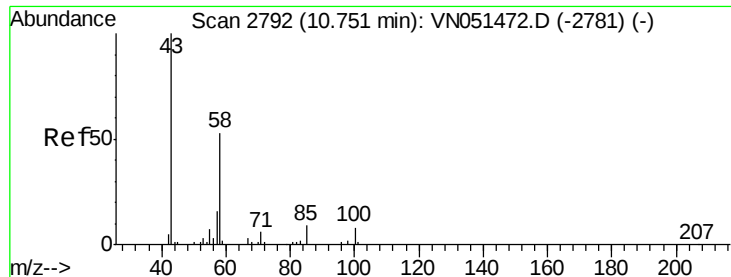
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.1	66.1
119	32.0	25.8	38.8



#58
4-Methyl-2-Pentanone
Concen: 118.833 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	29.3	43.9
85	17.4	12.6	18.8

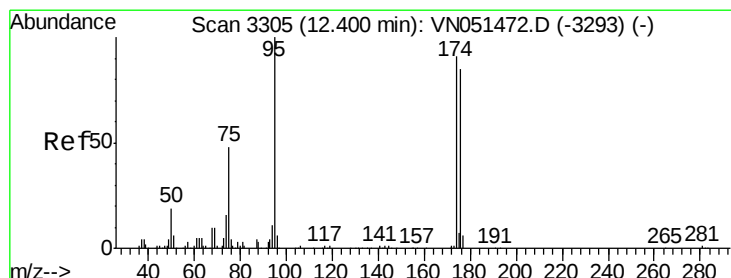
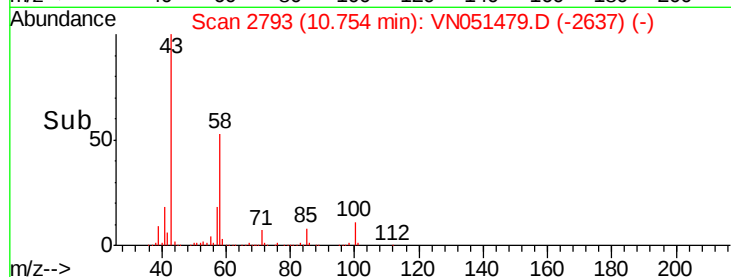
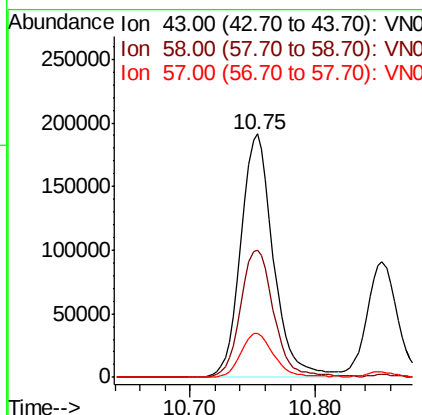
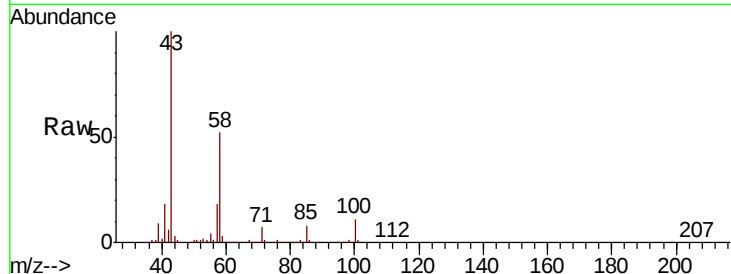




#59
2-Hexanone
Concen: 111.221 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

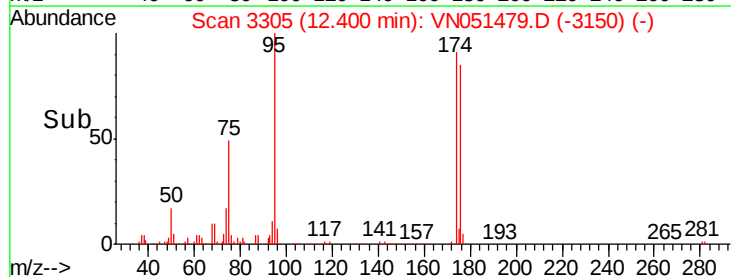
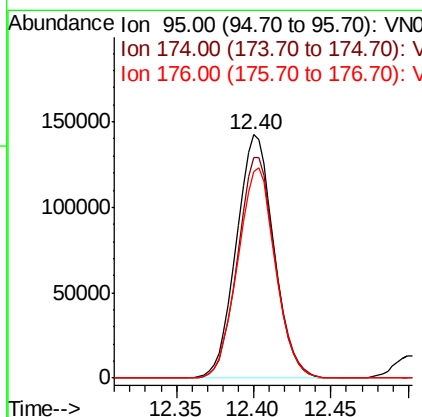
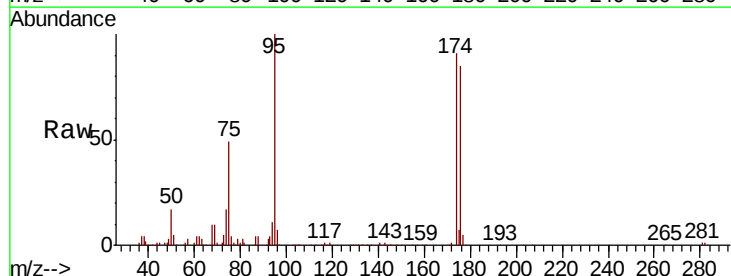
Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

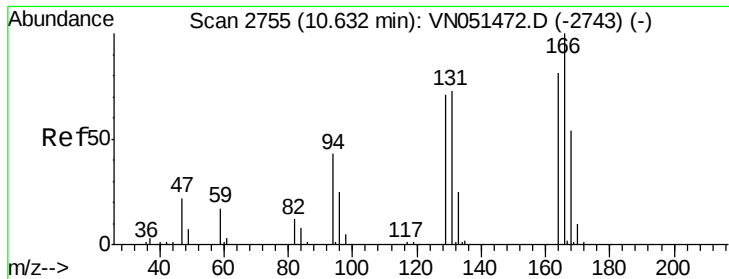
Tot Ion: 43 Resp: 343941
Ion Ratio Lower Upper
43 100
58 53.8 41.3 61.9
57 18.4 13.4 20.0



#60
4-Bromofluorobenzene
Concen: 30.550 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion: 95 Resp: 239796
Ion Ratio Lower Upper
95 100
174 90.9 73.5 110.3
176 87.0 70.2 105.2





#61

Tetrachloroethene

Concen: 22.726 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

Tot Ion:164 Resp: 141356

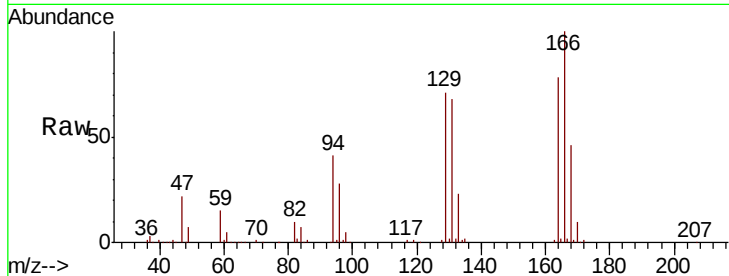
Ion Ratio Lower Upper

164 100

166 128.7 98.7 148.1

129 91.1 69.6 104.4

131 87.3 72.4 108.6

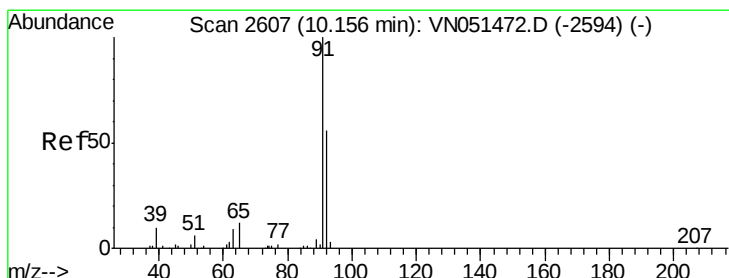
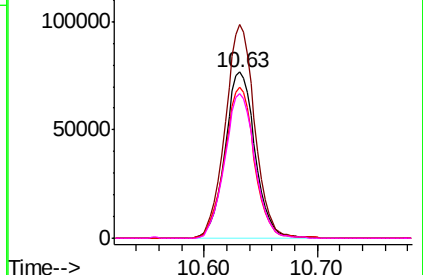
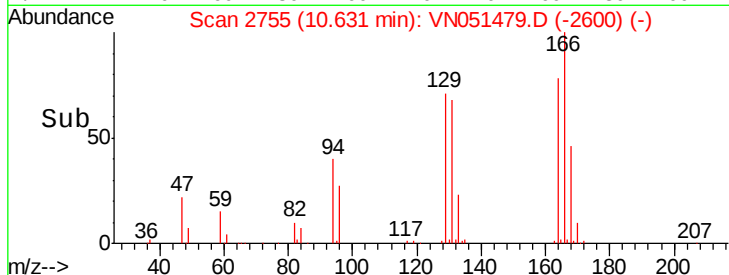


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 22.890 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051479.D

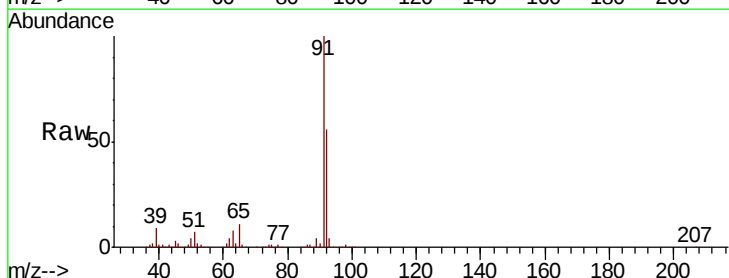
Acq: 25 Sep 2018 12:09

Tgt Ion: 91 Resp: 626501

Ion Ratio Lower Upper

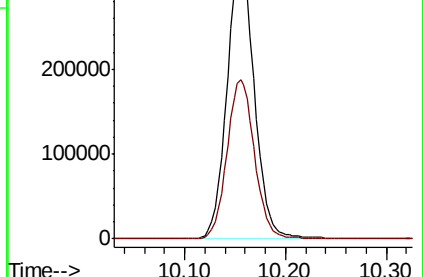
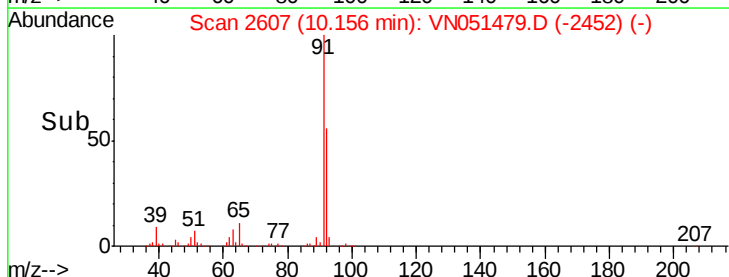
91 100

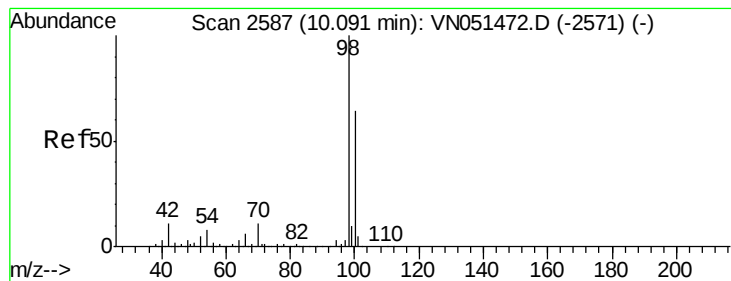
92 56.9 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 31.573 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

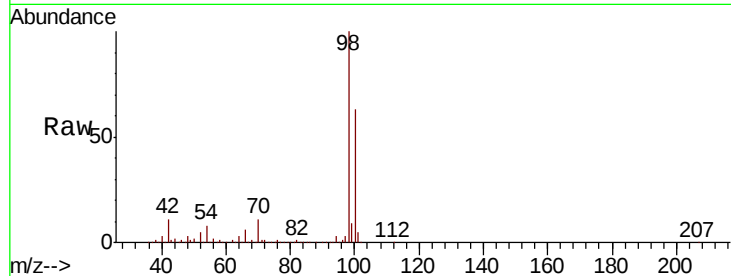
ICV092518

Tot Ion: 98 Resp: 809344

Ion Ratio Lower Upper

98 100

100 63.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051472.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051472.D (-2571) (-)

10.09

400000

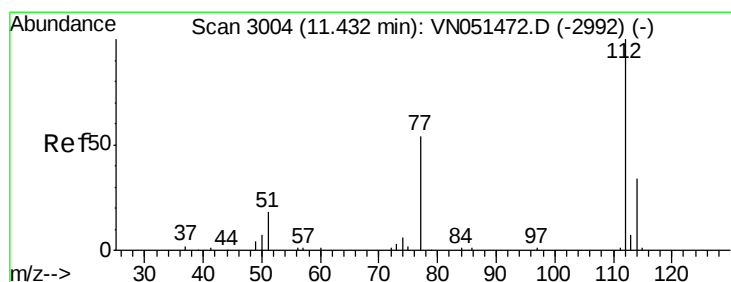
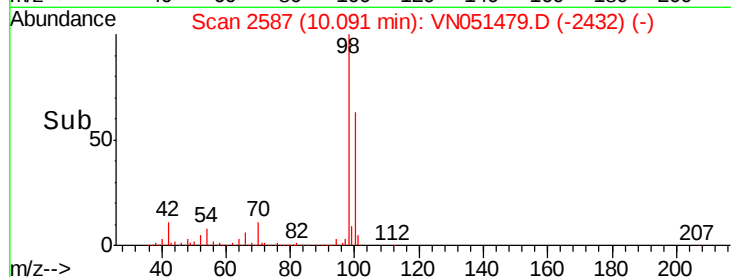
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 21.925 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051479.D

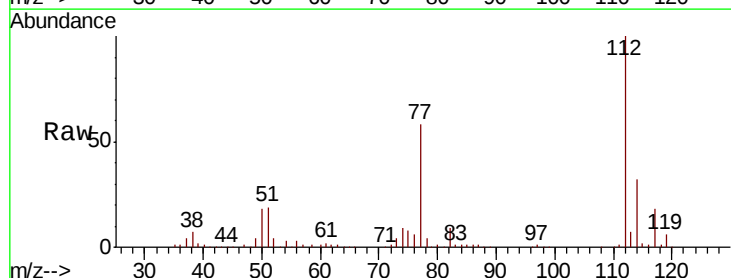
Acq: 25 Sep 2018 12:09

Tgt Ion: 112 Resp: 367912

Ion Ratio Lower Upper

112 100

114 31.6 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051472.D (-2992) (-)

Ion 114.00 (113.70 to 114.70): VN051472.D (-2992) (-)

11.43

250000

200000

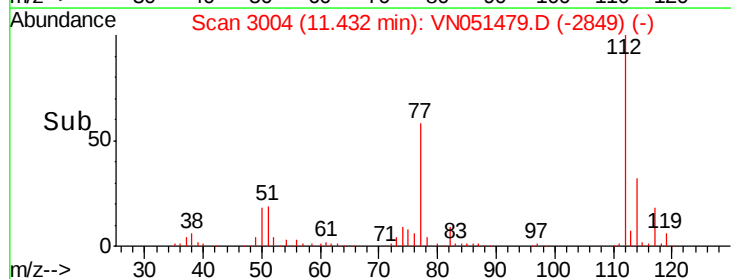
150000

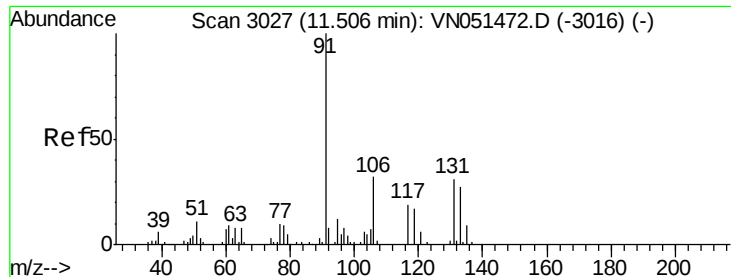
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.242 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

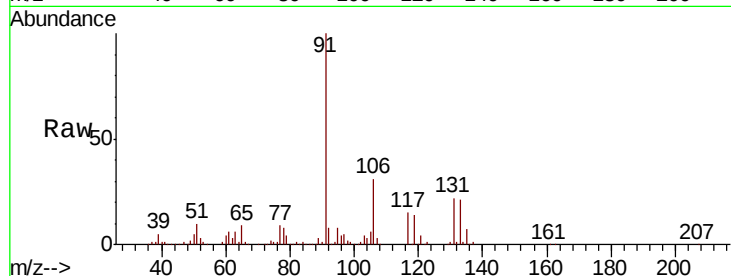
Tot Ion:131 Resp: 137816

Ion Ratio Lower Upper

131 100

133 97.7 0.0 190.4

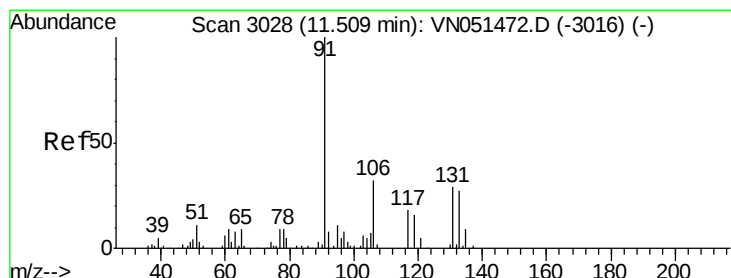
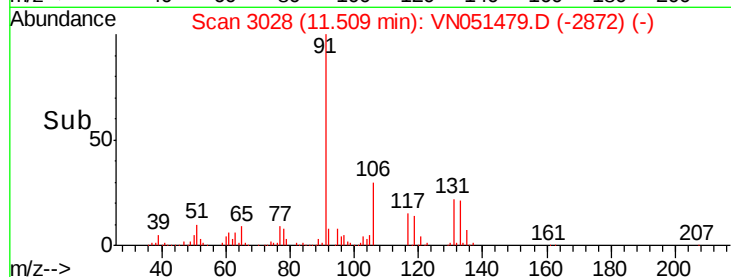
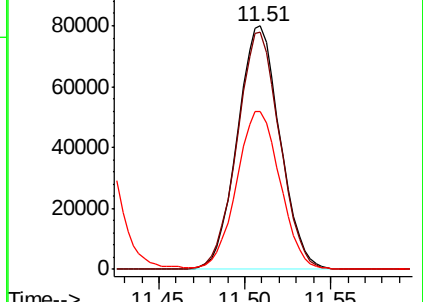
119 66.3 0.0 128.0



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: 21.622 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051479.D

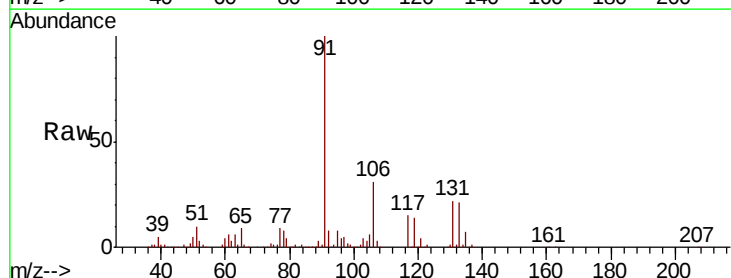
Acq: 25 Sep 2018 12:09

Tgt Ion: 91 Resp: 610527

Ion Ratio Lower Upper

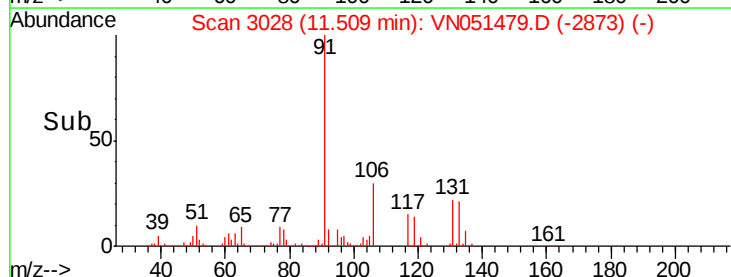
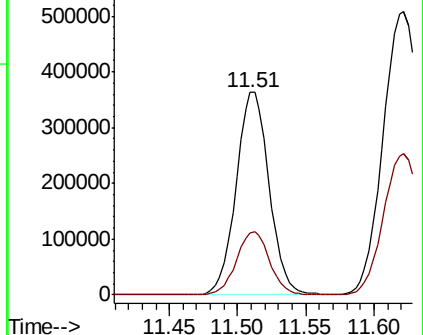
91 100

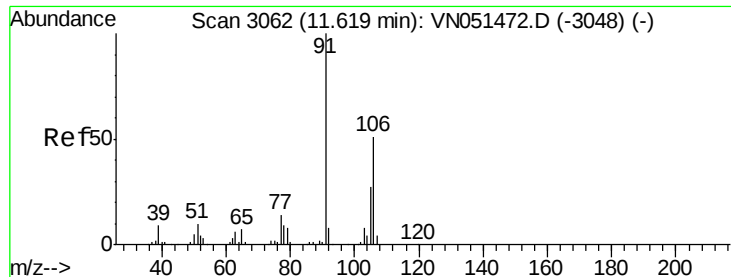
106 30.9 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 45.289 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampled :

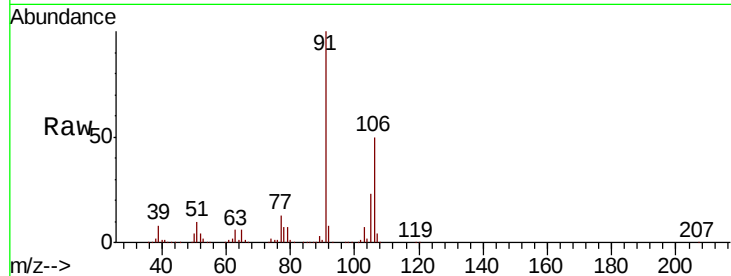
ICV092518

Tot Ion:106 Resp: 492295

Ion Ratio Lower Upper

106 100

91 201.4 158.8 238.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

200000

100000

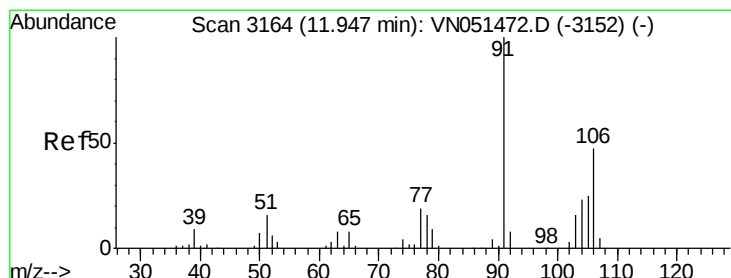
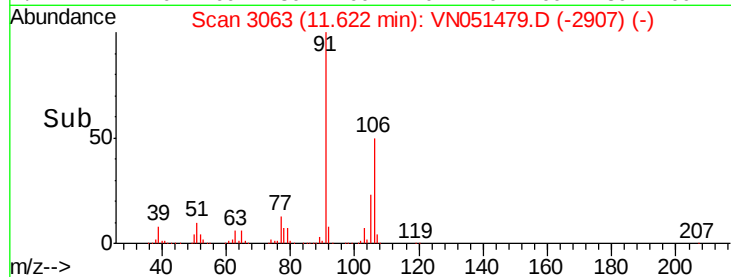
0

11.62

11.60

11.70

Time-->



#68

o-Xylene

Concen: 22.470 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051479.D

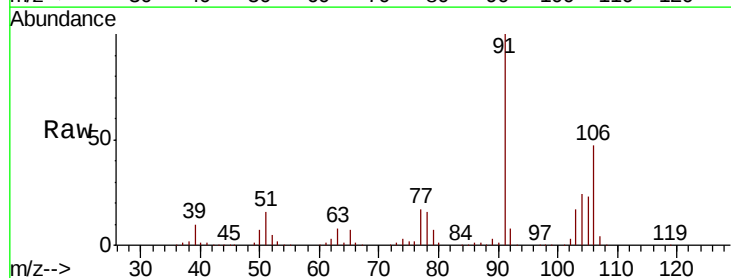
Acq: 25 Sep 2018 12:09

Tgt Ion:106 Resp: 232638

Ion Ratio Lower Upper

106 100

91 209.8 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

200000

100000

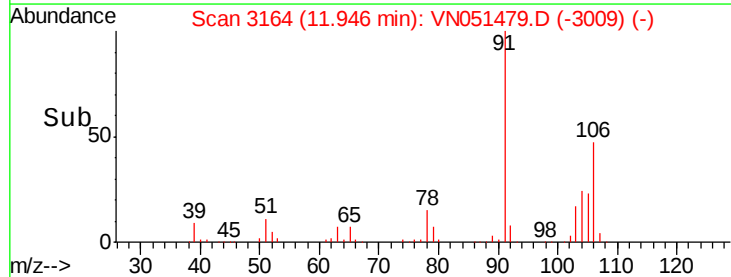
0

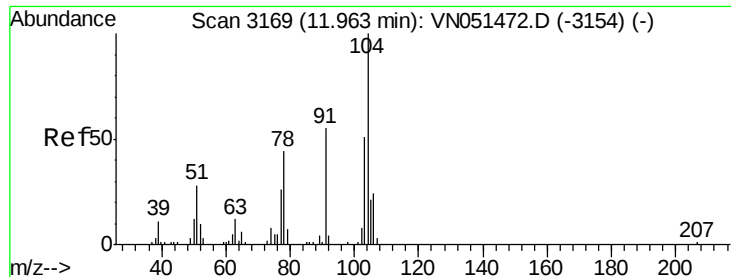
11.95

11.90

12.00

Time-->

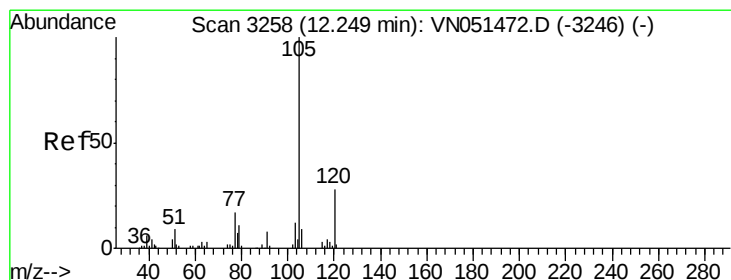
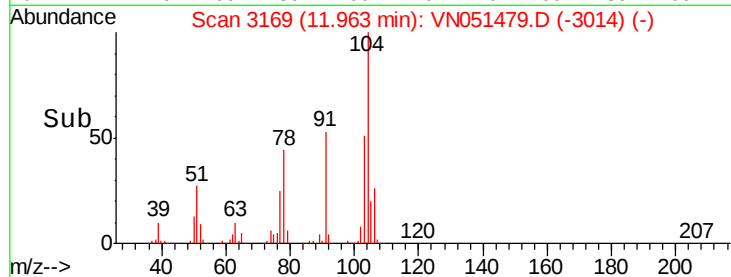
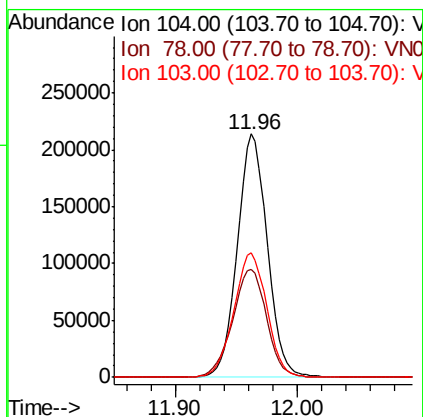
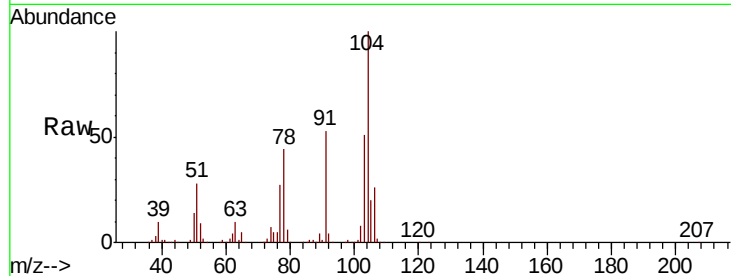




#69
Stvrene
Concen: 22.218 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

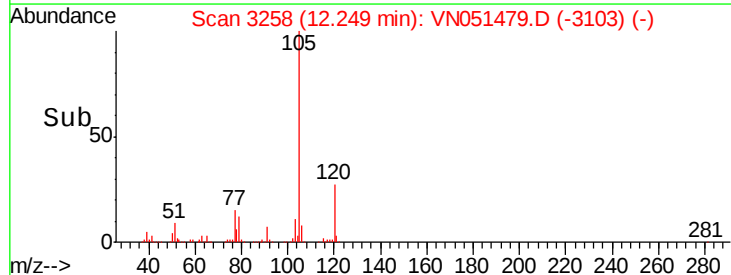
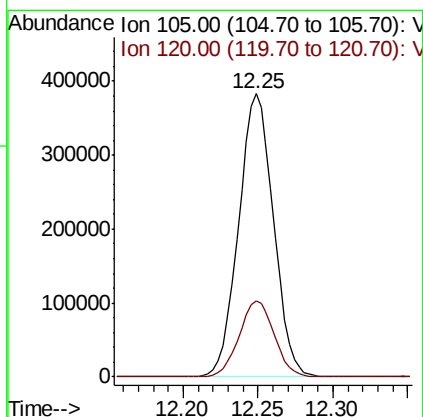
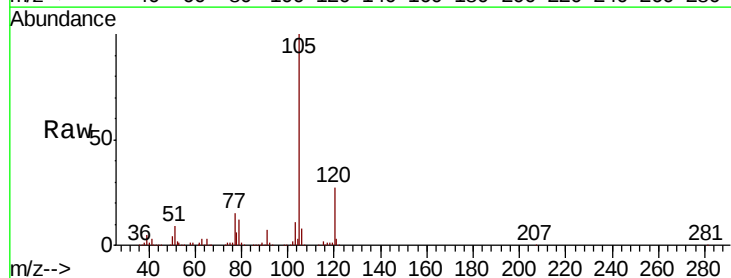
Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

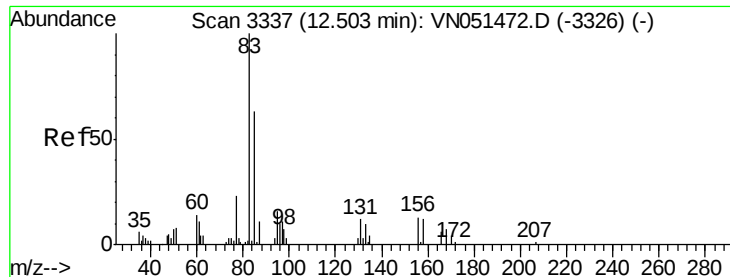
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.6	60.8
103	56.3	44.0	66.0



#70
Isopropylbenzene
Concen: 22.371 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	19.0	35.4

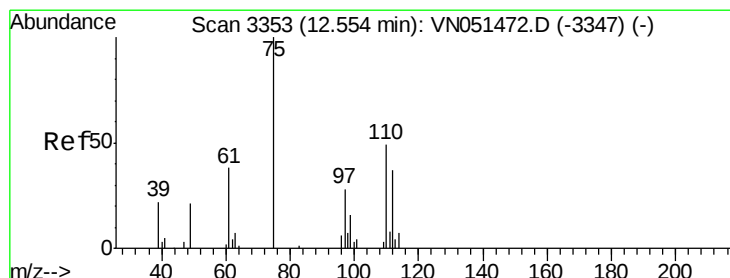
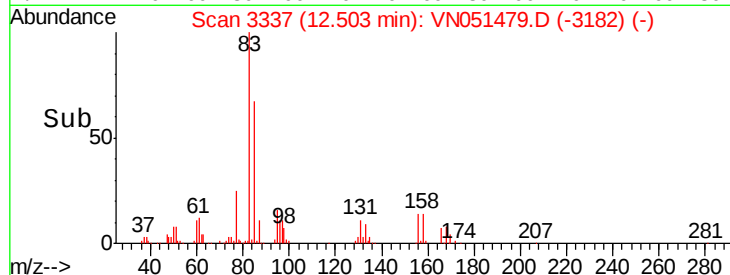
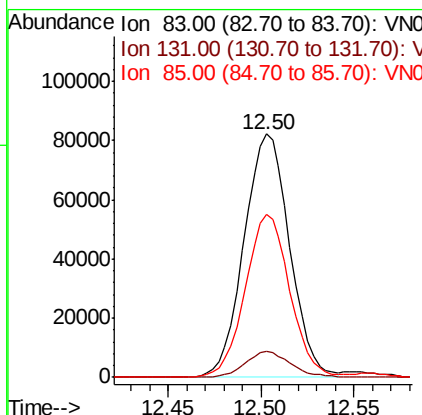
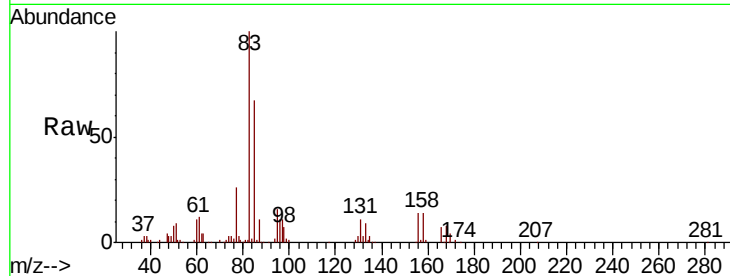




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.598 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

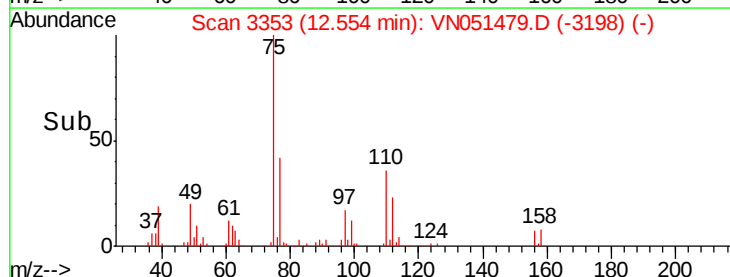
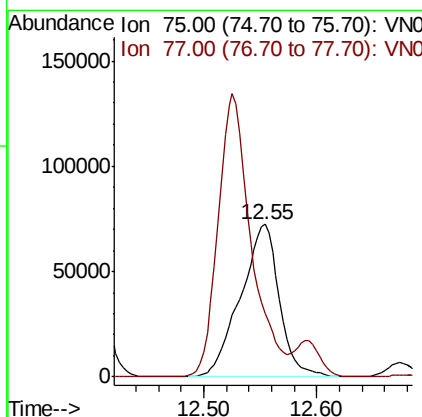
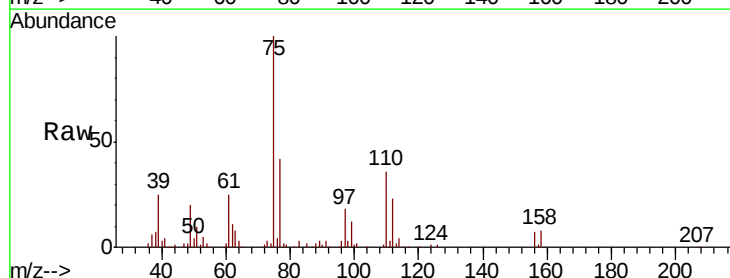
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092518

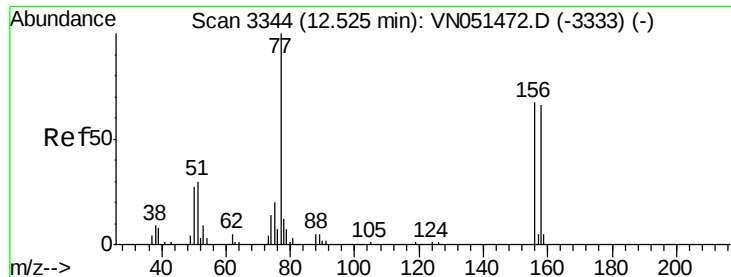
Tot Ion: 83 Resp: 140869
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.5 16.4
 85 65.2 30.6 91.8



#72
 1,2,3-Trichloropropane
 Concen: 33.666 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion: 75 Resp: 173159
 Ion Ratio Lower Upper
 75 100
 77 158.1 0.0 400.0





#73

Bromobenzene

Concen: 21.594 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampled :

ICVVN092518

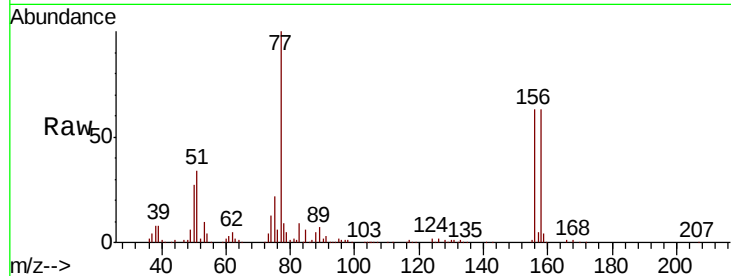
Tot Ion:156 Resp: 150787

Ion Ratio Lower Upper

156 100

77 181.5 0.0 377.4

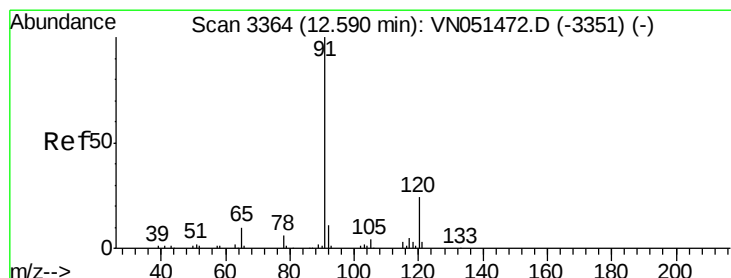
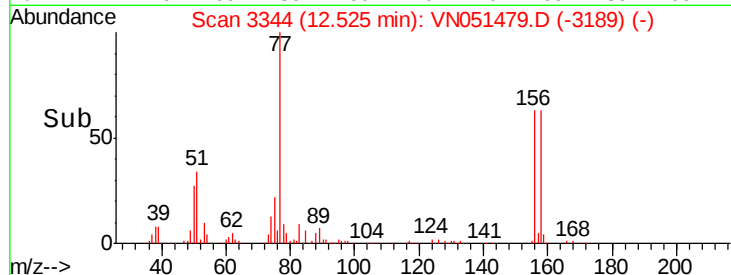
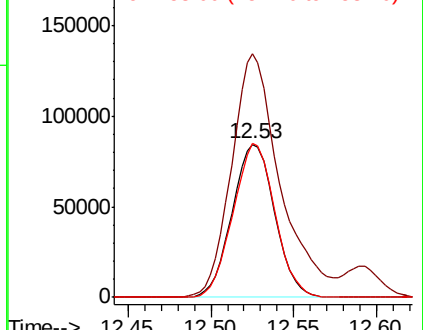
158 98.9 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.962 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051479.D

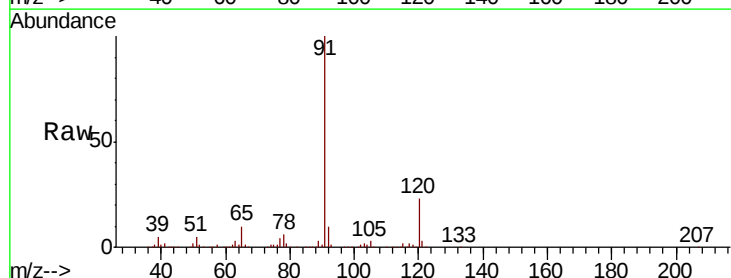
Acq: 25 Sep 2018 12:09

Tgt Ion: 91 Resp: 707440

Ion Ratio Lower Upper

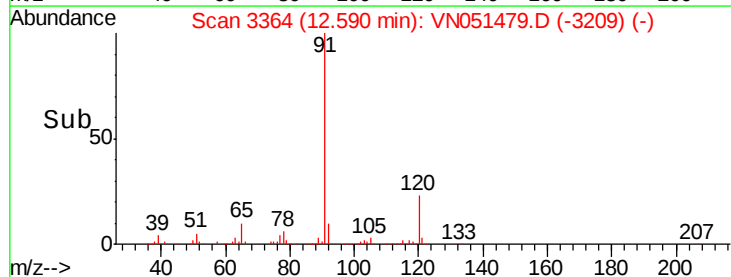
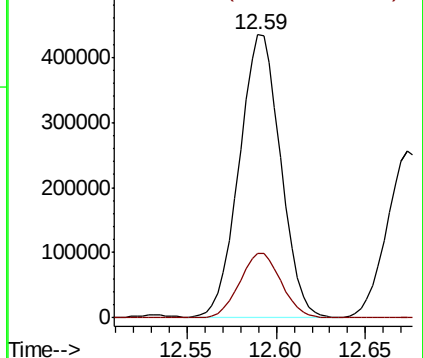
91 100

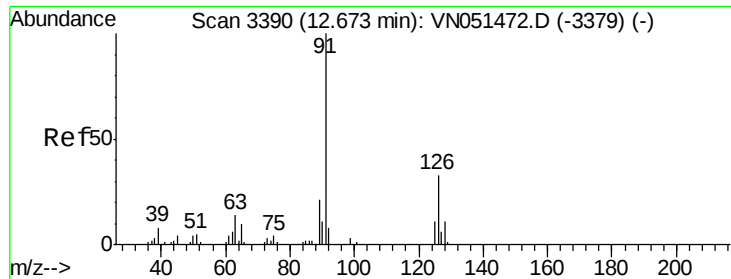
120 22.8 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 22.246 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

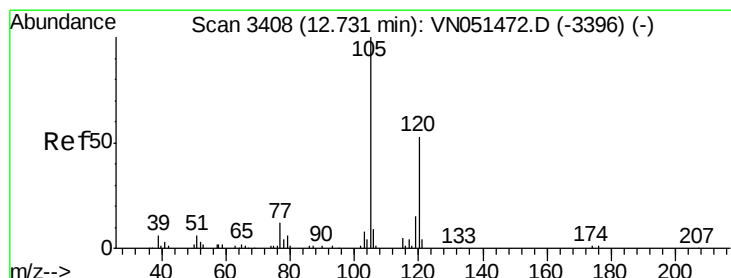
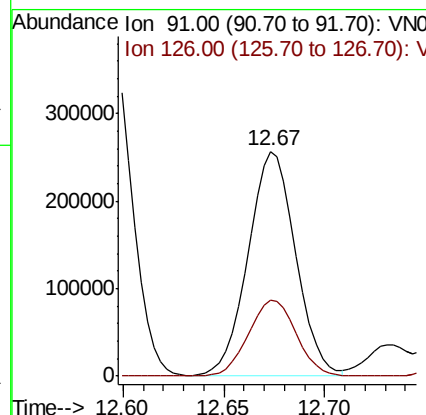
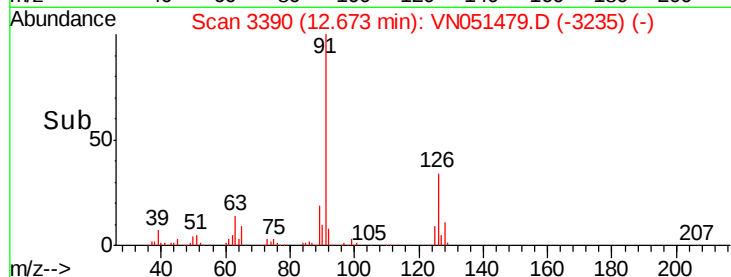
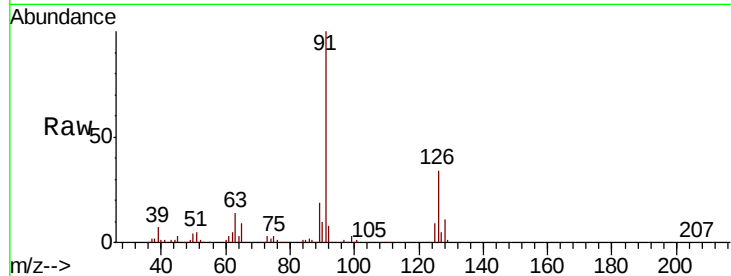
ICVVN092518

Tot Ion: 91 Resp: 422886

Ion Ratio Lower Upper

91 100

126 34.2 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 22.812 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051479.D

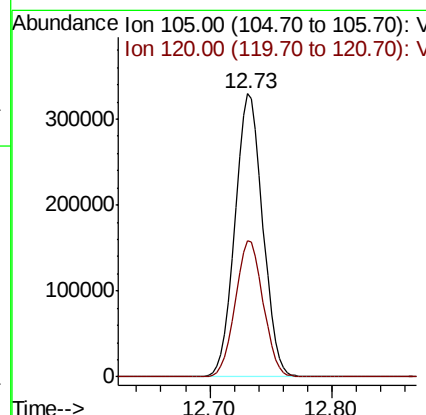
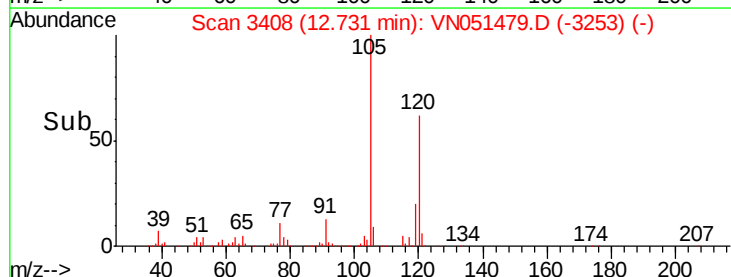
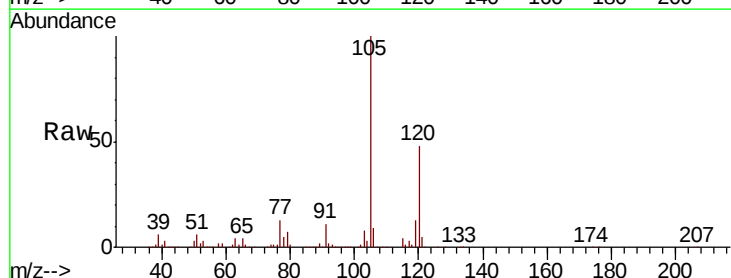
Acq: 25 Sep 2018 12:09

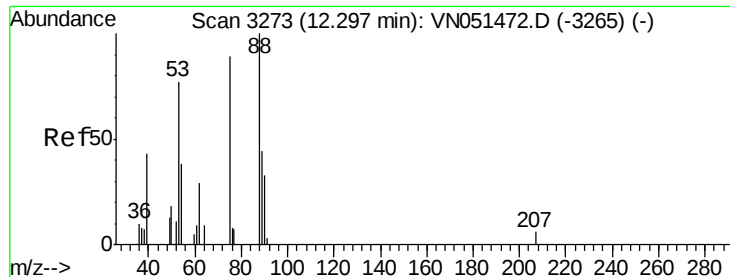
Tgt Ion: 105 Resp: 521533

Ion Ratio Lower Upper

105 100

120 48.4 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 20.036 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

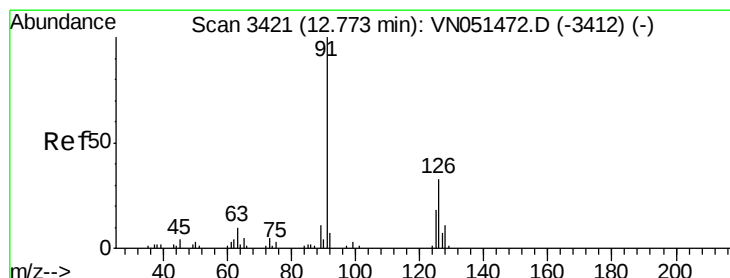
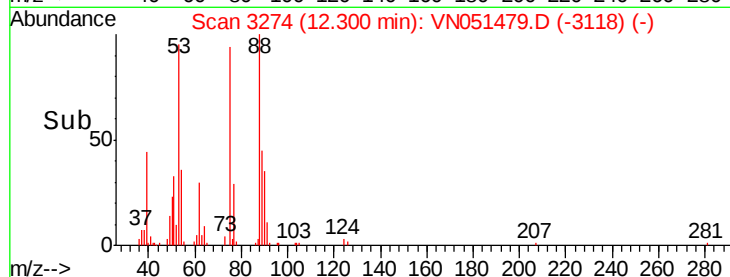
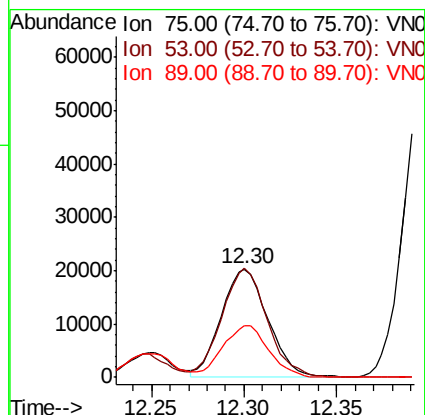
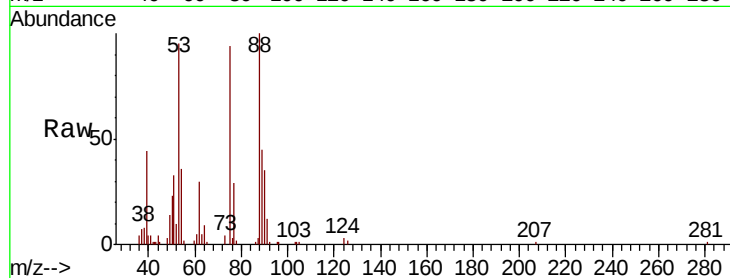
Tot Ion: 75 Resp: 35539

Ion Ratio Lower Upper

75 100

53 100.3 46.3 138.9

89 47.8 24.6 73.8



#78

4-Chlorotoluene

Concen: 22.066 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051479.D

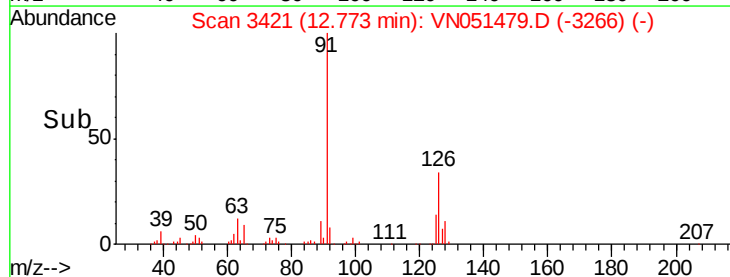
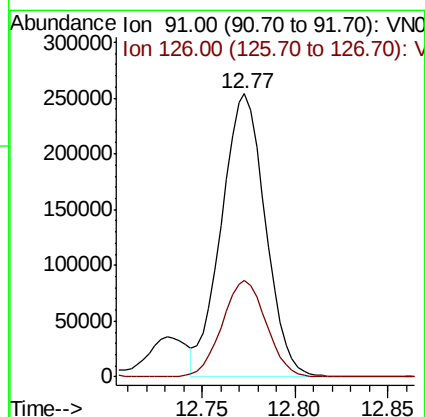
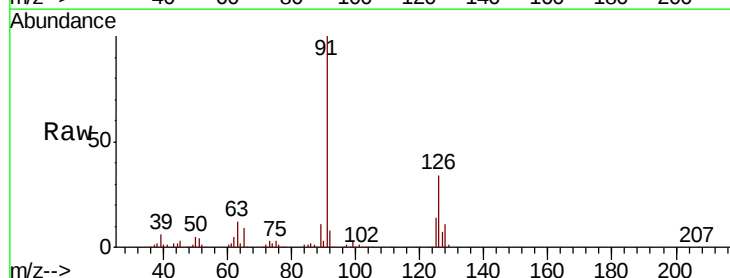
Acq: 25 Sep 2018 12:09

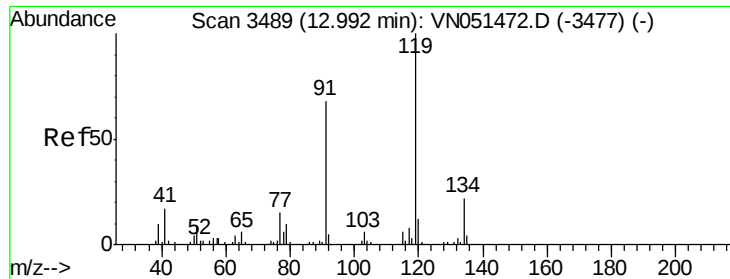
Tgt Ion: 91 Resp: 416043

Ion Ratio Lower Upper

91 100

126 34.3 0.0 65.2

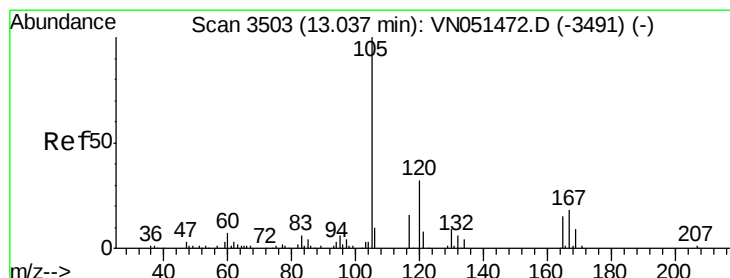
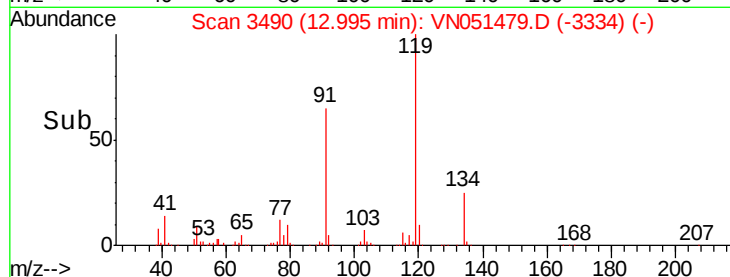
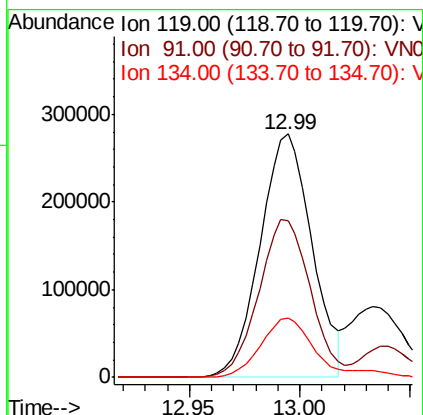
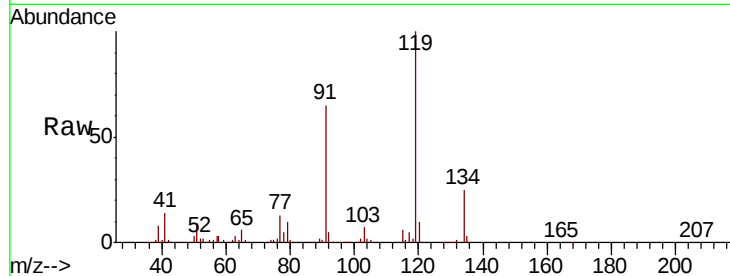




#79
tert-butylbenzene
Concen: 22.781 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

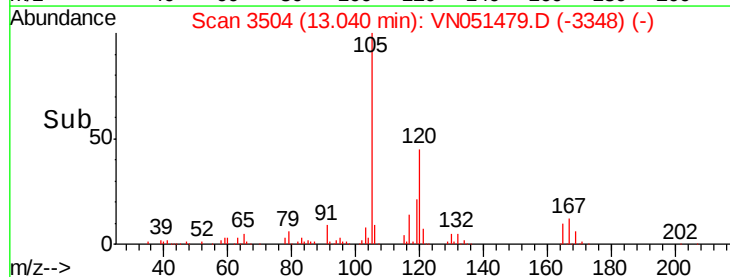
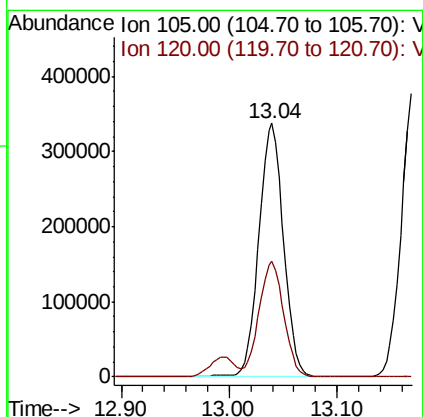
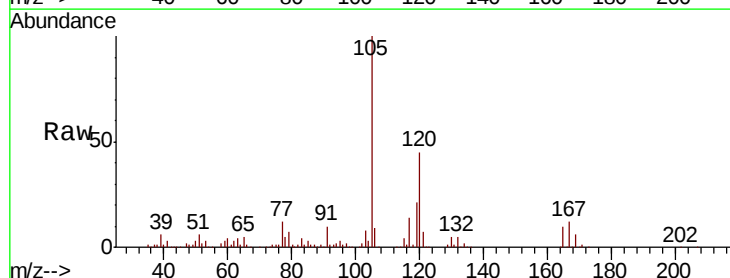
Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

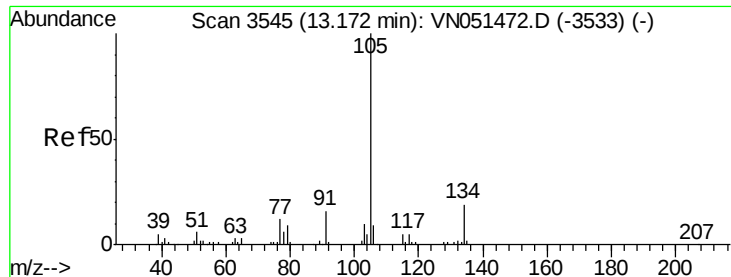
Tot Ion:119 Resp: 453461
Ion Ratio Lower Upper
119 100
91 64.5 0.0 131.6
134 24.4 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 23.285 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion:105 Resp: 535165
Ion Ratio Lower Upper
105 100
120 45.5 0.0 89.6

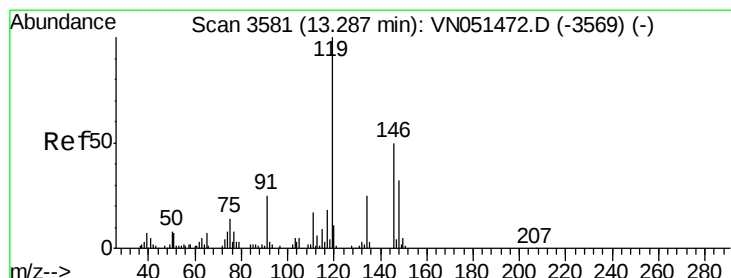
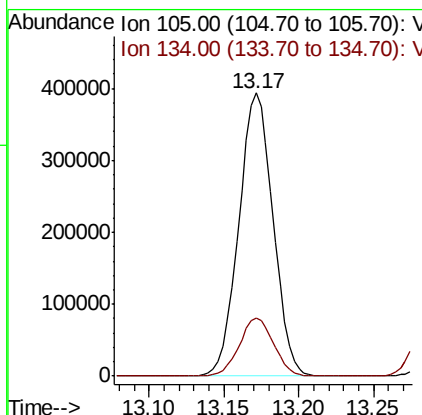
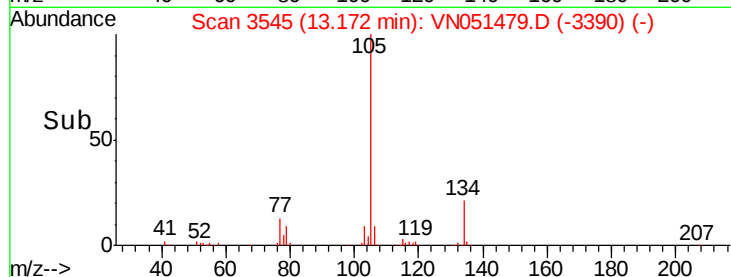
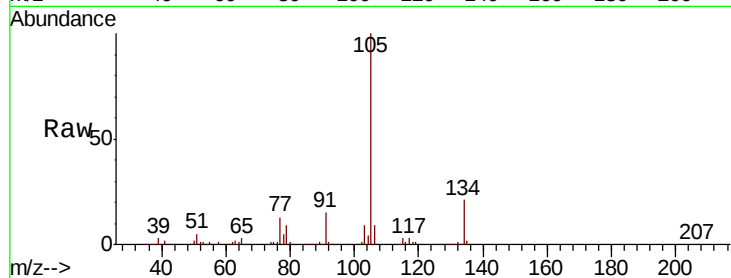




#81
 sec-Butylbenzene
 Concen: 22.867 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

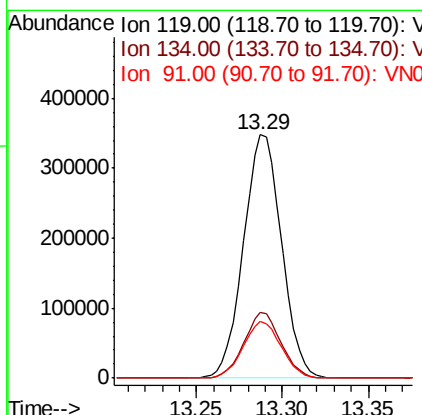
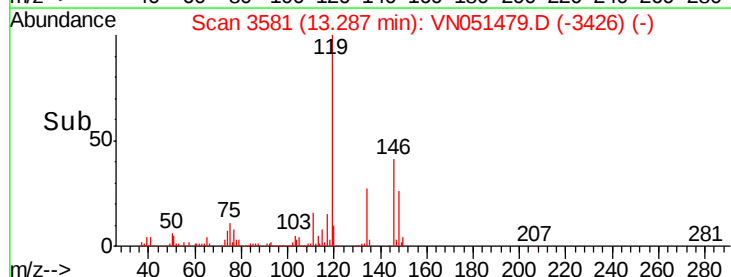
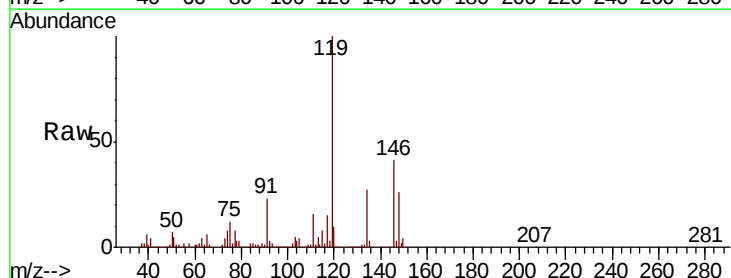
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

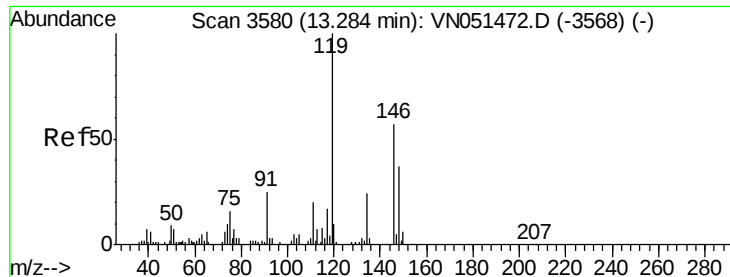
Tot Ion:105 Resp: 626151
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 22.480 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion:119 Resp: 531385
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 53.6
 91 23.4 0.0 52.0





#83

1,3-Dichlorobenzene

Concen: 21.176 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

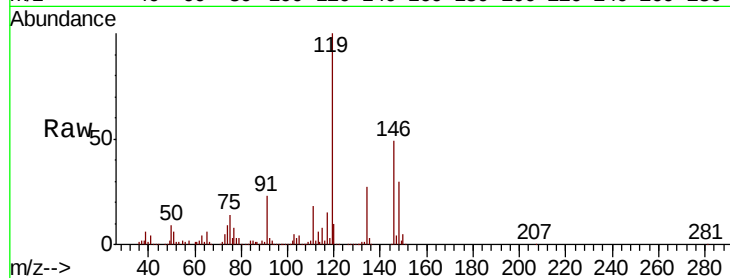
Tot Ion:146 Resp: 259367

Ion Ratio Lower Upper

146 100

111 39.2 18.1 54.3

148 63.3 31.3 93.8

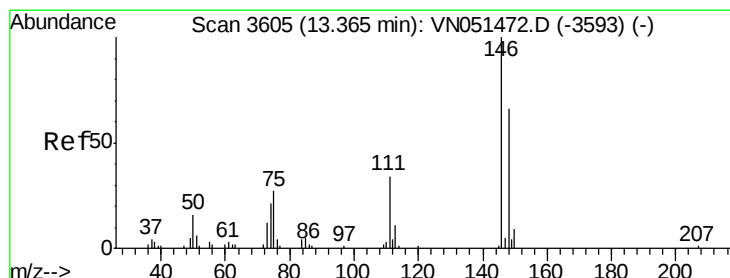
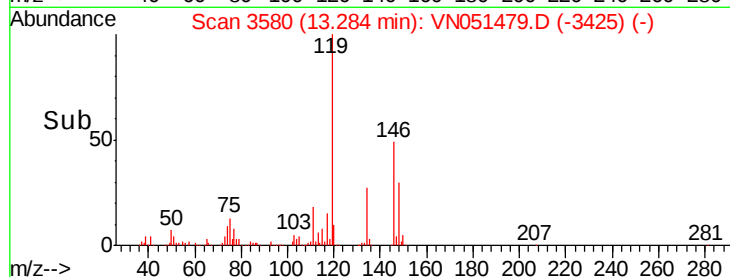
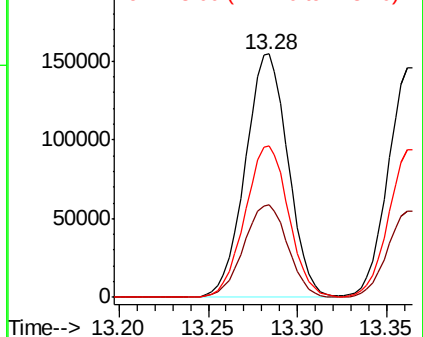


Abundance

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



#84

1,4-Dichlorobenzene

Concen: 21.364 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

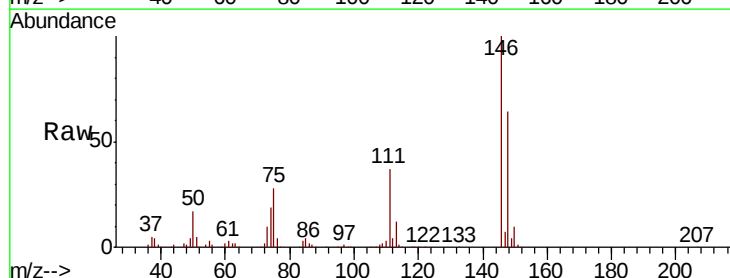
Tgt Ion:146 Resp: 245752

Ion Ratio Lower Upper

146 100

111 37.9 17.4 52.2

148 64.0 32.8 98.3

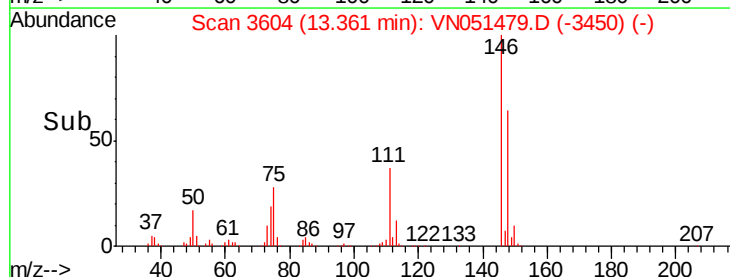
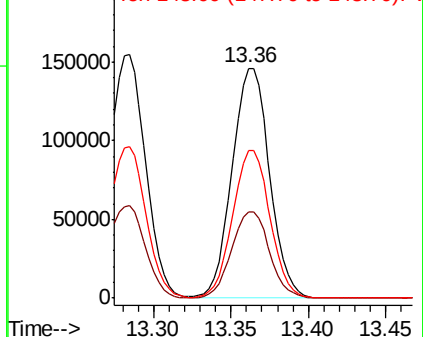


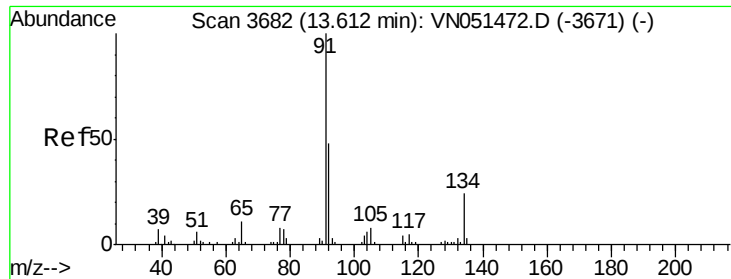
Abundance

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

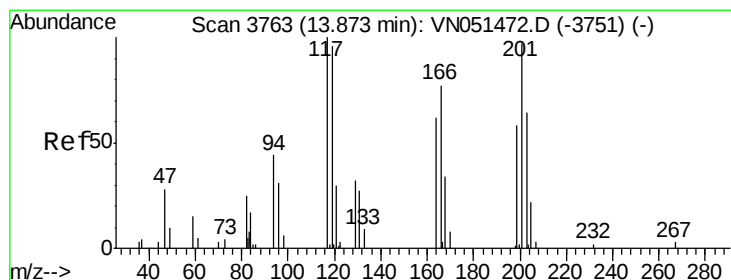
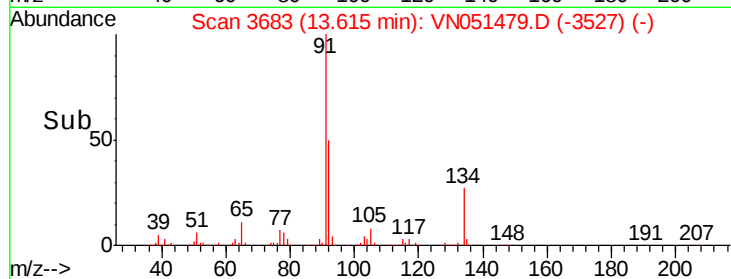
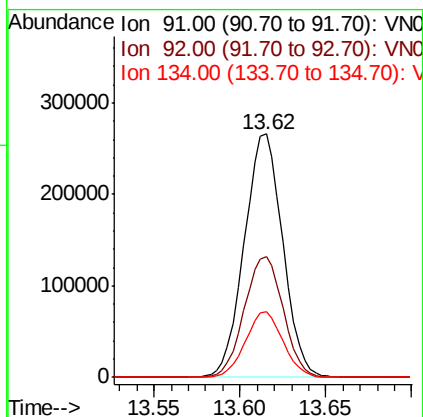
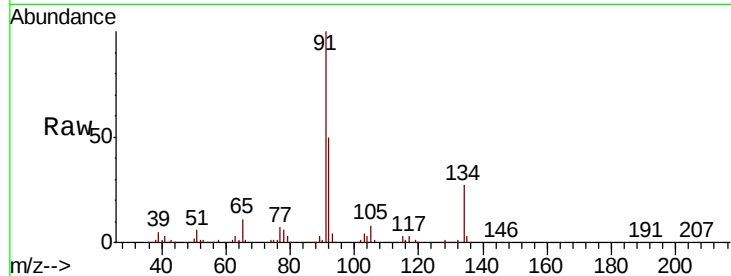




#85
n-Butylbenzene
Concen: 21.233 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

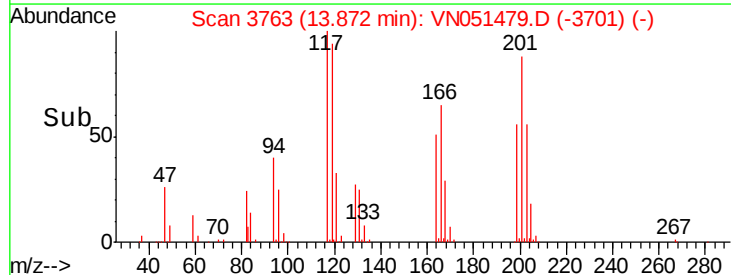
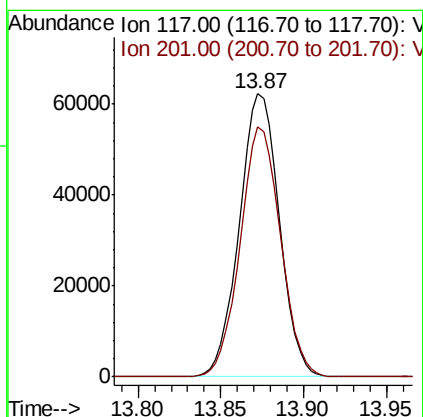
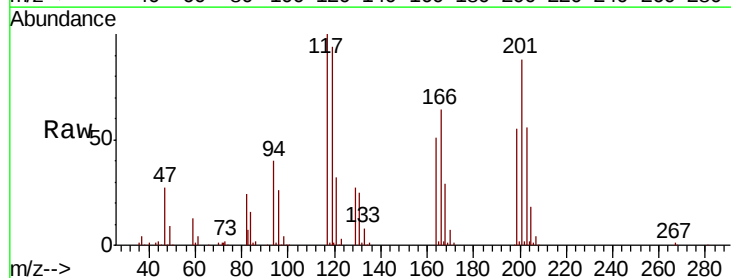
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

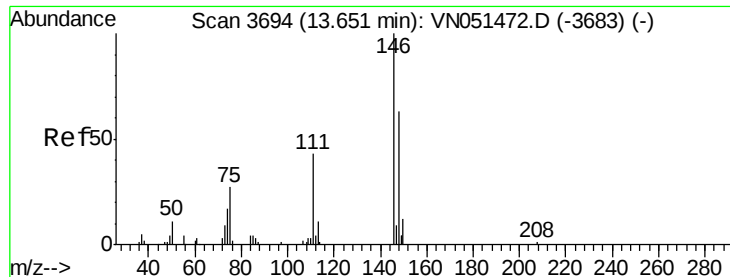
Tot Ion: 91 Resp: 412086
Ion Ratio Lower Upper
91 100
92 50.3 0.0 97.4
134 26.4 0.0 49.6



#86
Hexachloroethane
Concen: 22.140 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion: 117 Resp: 104869
Ion Ratio Lower Upper
117 100
201 89.1 47.8 143.3

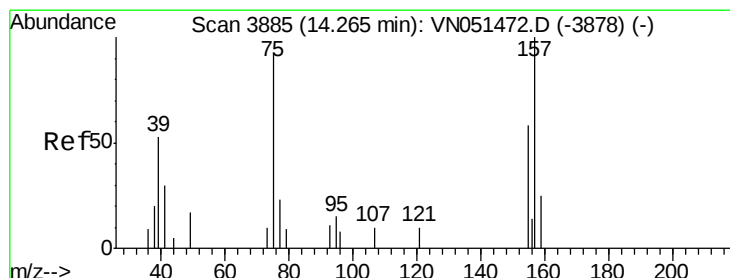
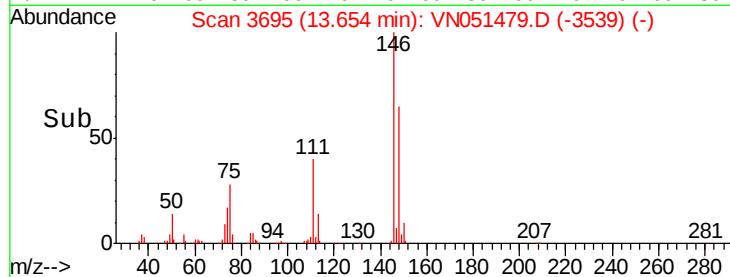
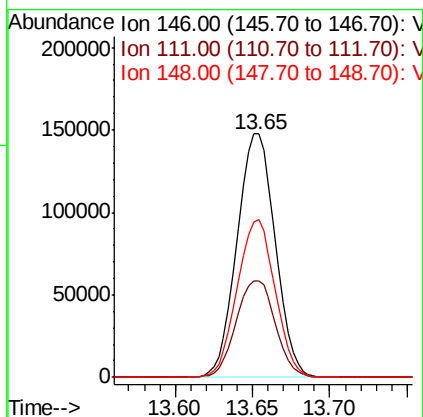
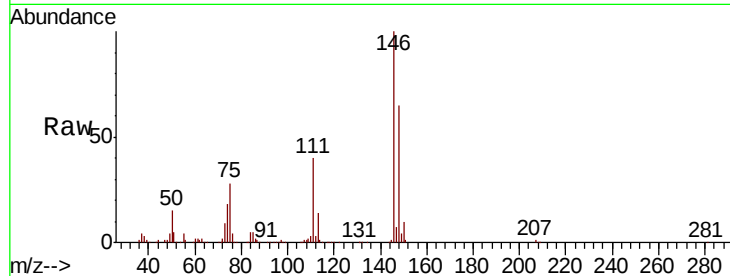




#87
 1,2-Dichlorobenzene
 Concen: 21.835 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

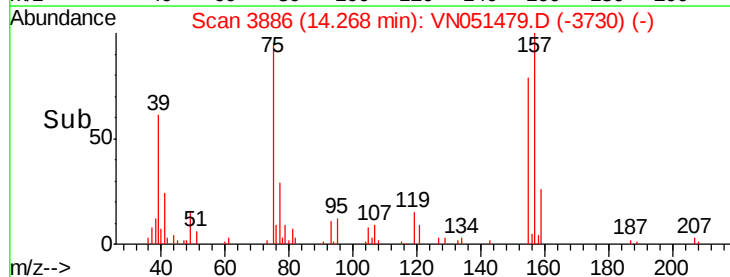
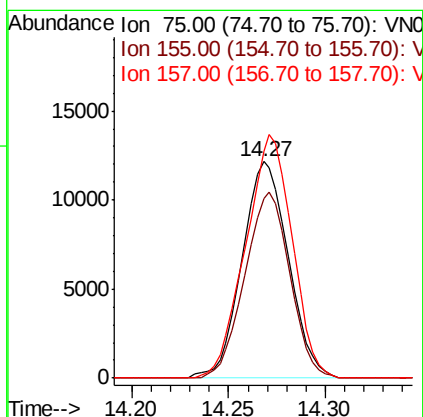
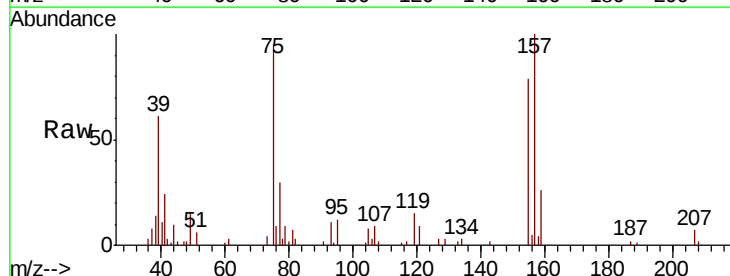
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

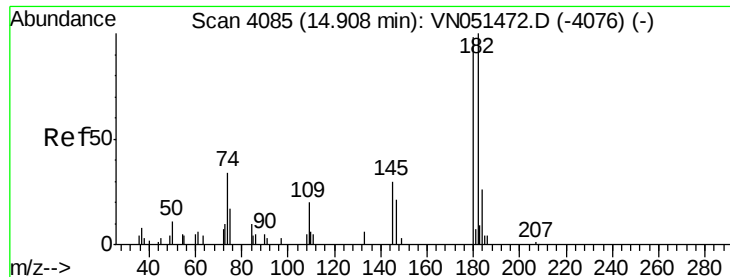
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.2
148	64.5	33.2	99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.060 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	57.0	85.6
157	113.5	87.4	131.0

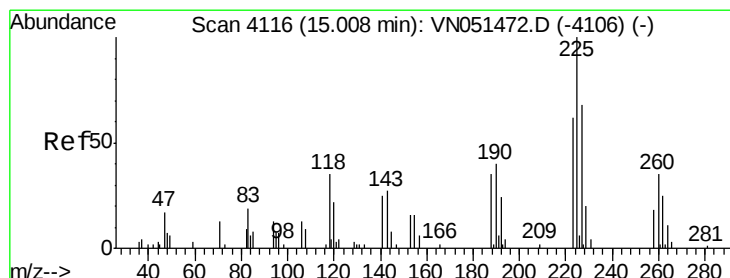
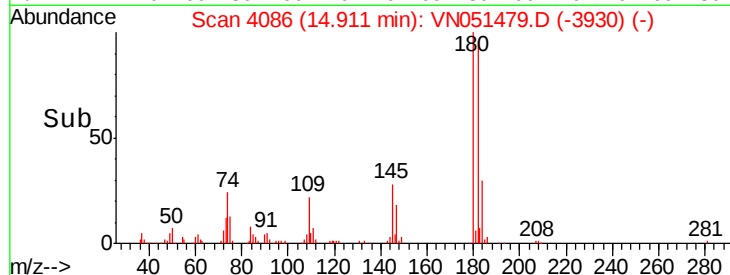
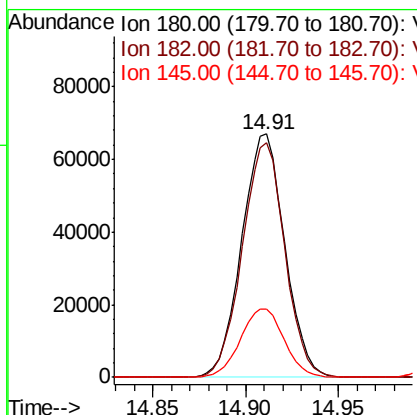
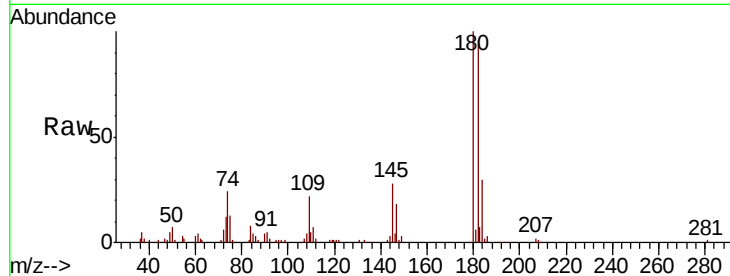




#89
 1,2,4-Trichlorobenzene
 Concen: 18.745 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

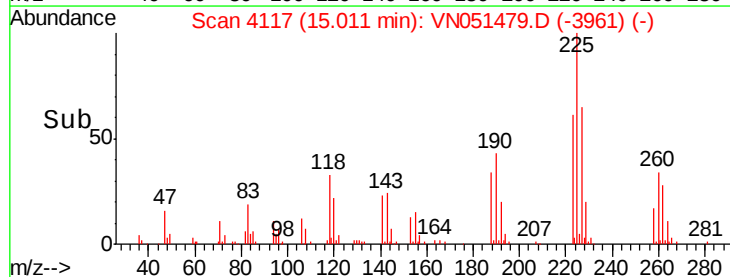
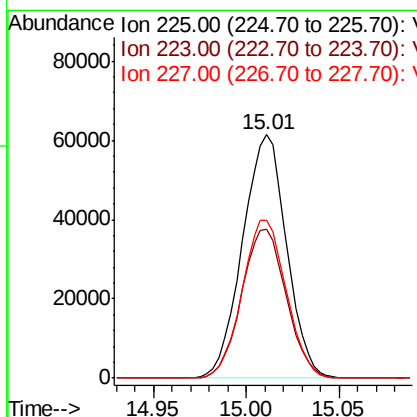
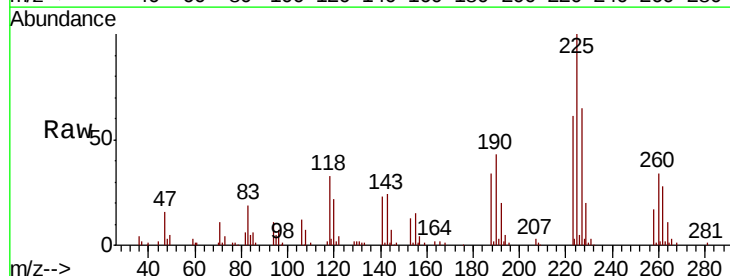
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

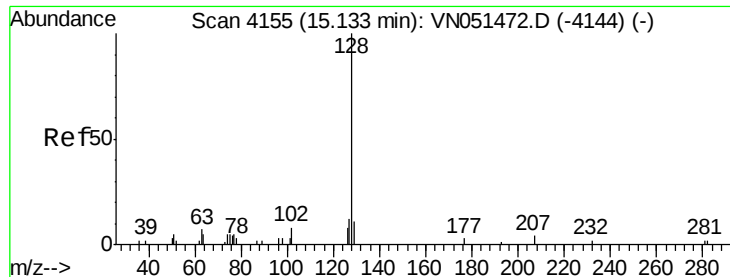
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.7	116.5
145	28.5	23.4	35.2



#90
 Hexachlorobutadiene
 Concen: 22.533 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	0.0	117.0
227	65.1	0.0	127.0





#91

Naphthalene

Concen: 16.389 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

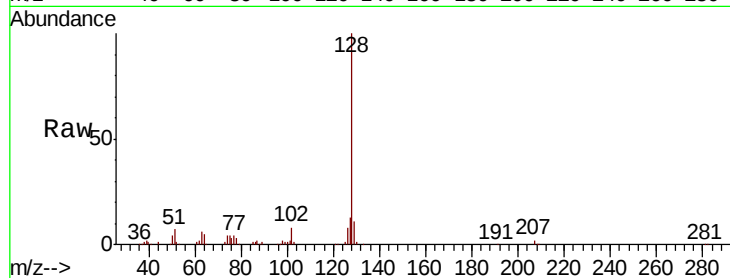
Tot Ion:128 Resp: 178854

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

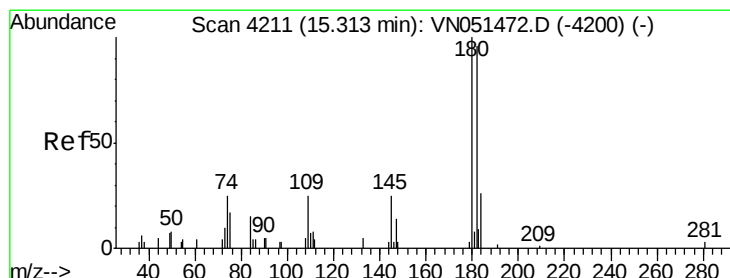
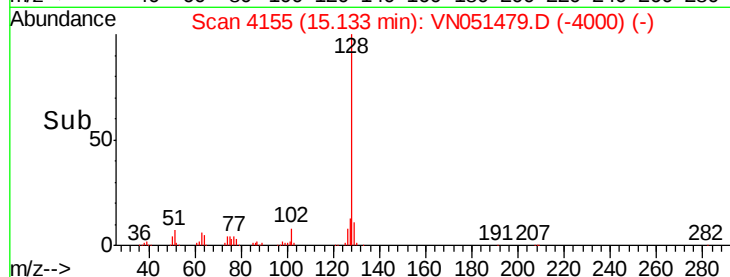
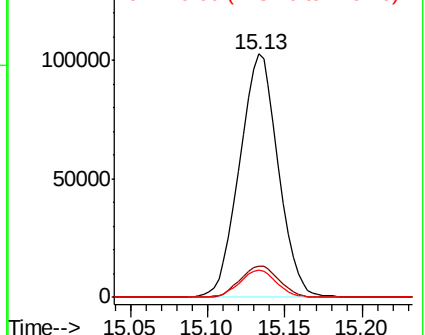
129 10.8 8.4 12.6



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: 18.789 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

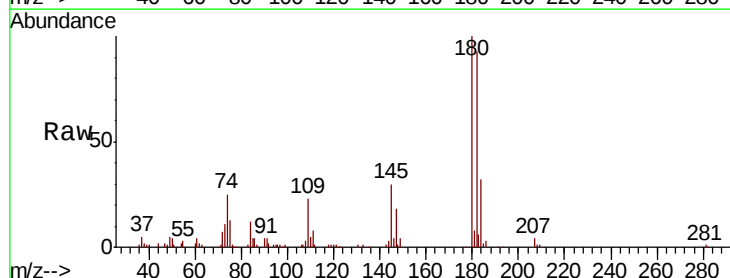
Tgt Ion:180 Resp: 109696

Ion Ratio Lower Upper

180 100

182 95.7 0.0 198.0

145 30.2 0.0 36.8



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

