

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112618\
 Data File : VN052465.D
 Acq On : 26 Nov 2018 18:04
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 01:00:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	172564	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1000141	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	867355	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	353456	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.40	95	397662	29.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.97%
63) Toluene-d8	10.09	98	1211046	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	190647	19.398 ug/l	97
3) Chloromethane	2.06	50	254548	19.529 ug/l	100
4) Vinyl Chloride	2.19	62	259005	19.688 ug/l	95
5) Bromomethane	2.58	94	157034	20.935 ug/l	98
6) Chloroethane	2.71	64	155078	19.823 ug/l	98
7) Trichlorofluoromethane	3.02	101	318905	19.642 ug/l	100
8) Diethyl Ether	3.41	74	118756	19.809 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	196524	19.095 ug/l	97
10) 1,1-Dichloroethene	3.74	96	189792	19.613 ug/l	98
11) Methyl Iodide	3.96	142	253780	18.888 ug/l	98
12) Methyl Acetate	4.32	43	161602	19.654 ug/l	100
13) Acrolein	3.61	56	94078	97.406 ug/l	99
14) Acrylonitrile	4.99	53	346722	98.969 ug/l	97
15) Acetone	3.82	58	78743	86.790 ug/l	99
16) Carbon Disulfide	4.06	76	586493	19.143 ug/l	100
17) Allyl chloride	4.33	41	303618	17.991 ug/l	98
18) Methylene Chloride	4.56	84	222708	19.877 ug/l	97
19) trans-1,2-Dichloroethene	5.05	96	205401	19.723 ug/l	97
20) Diisopropyl ether	5.95	45	703811	19.845 ug/l	99
21) 1,1-Dichloroethane	5.85	63	401736	19.874 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	234304	19.631 ug/l	99
23) tert-Butyl Alcohol	4.78	59	45209	86.748 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	520453	20.501 ug/l	99
25) Chloroform	7.37	83	386072	19.798 ug/l	99
26) Cyclohexane	7.66	56	367792	19.292 ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	295588	19.353 ug/l	99
30) 2-Butanone	6.84	43	381421	93.329 ug/l	100
31) 2,2-Dichloropropane	6.83	77	264064	18.780 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	314275	19.776 ug/l	98
33) Carbon Tetrachloride	7.78	117	272270	19.580 ug/l	99
34) Benzene	8.04	78	908323	19.781 ug/l	100
35) Methacrylonitrile	7.17	41	107938	21.287 ug/l	97
36) 1,2-Dichloroethane	8.13	62	276507	19.871 ug/l	100
37) Trichloroethene	8.84	130	226534	19.455 ug/l	99
38) Methylcyclohexane	9.08	83	364053	19.255 ug/l	98
39) 1,2-Dichloropropane	9.12	63	242039	19.664 ug/l	98
40) Dibromomethane	9.21	93	132391	19.903 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	283086	19.263	ug/l	99
42) Vinyl Acetate	5.90	43	2200022	99.492	ug/l	99
43) Ethyl Acetate	7.21	43	52572	6.050	ug/l	99
44) Isopropyl Acetate	8.17	43	313485	20.568	ug/l	96
45) 1,4-Dioxane	9.20	88	27682	332.005	ug/l	94
46) Methyl methacrylate	9.20	41	161157	20.365	ug/l	98
47) n-amyl Acetate	12.07	43	242685	19.205	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	273040	19.161	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	335816	19.343	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	192186	20.383	ug/l	99
51) Ethyl methacrylate	10.43	69	232532	19.636	ug/l	99
52) 1,3-Dichloropropane	10.71	76	334818	19.950	ug/l	100
53) Dibromochloromethane	10.90	129	202160	19.475	ug/l	97
54) 1,2-Dibromoethane	11.01	107	186492	20.241	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	692217	99.861	ug/l	100
56) Bromoform	12.13	173	130389	19.217	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	868313	103.263	ug/l	99
59) 2-Hexanone	10.75	43	561148	97.690	ug/l	99
61) Tetrachloroethene	10.63	164	212760	19.917	ug/l	99
62) Toluene	10.16	91	954942	19.972	ug/l	100
64) Chlorobenzene	11.44	112	584512	20.028	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	200377	19.780	ug/l	99
66) Ethyl Benzene	11.51	91	1016043	19.716	ug/l	98
67) m/p-Xylenes	11.62	106	759950	39.583	ug/l	100
68) o-Xylene	11.95	106	372484	19.989	ug/l	99
69) Styrene	11.97	104	589642	19.604	ug/l	99
70) Isopropylbenzene	12.25	105	990054	19.969	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	222972	20.674	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	270617	29.229	ug/l	48
73) Bromobenzene	12.53	156	238463	19.886	ug/l	98
74) n-propylbenzene	12.59	91	1127851	19.524	ug/l	99
75) 2-Chlorotoluene	12.68	91	670219	19.988	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	797974	19.926	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	55055	18.824	ug/l	96
78) 4-Chlorotoluene	12.78	91	651248	19.449	ug/l	100
79) tert-butylbenzene	12.99	119	701179	20.105	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	797602	19.904	ug/l	99
81) sec-Butylbenzene	13.17	105	954893	19.657	ug/l	100
82) p-Isopropyltoluene	13.29	119	802971	19.412	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	409336	19.409	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	397478	19.507	ug/l	99
85) n-Butylbenzene	13.62	91	667535	18.787	ug/l	99
86) Hexachloroethane	13.88	117	134764	19.228	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	407431	20.301	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30601	20.255	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	187635	18.976	ug/l	98
90) Hexachlorobutadiene	15.01	225	127335	19.631	ug/l	99
91) Naphthalene	15.14	128	387203	19.392	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	179540	19.703	ug/l	97

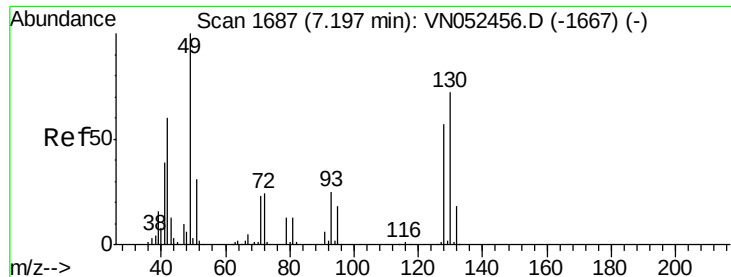
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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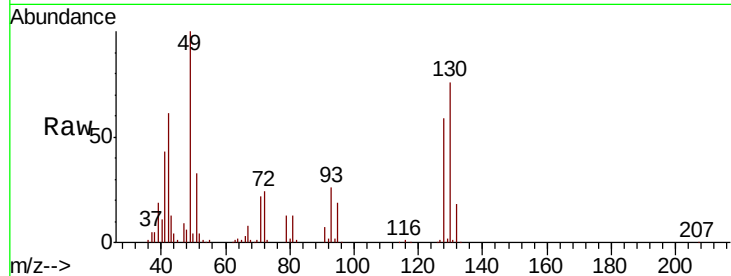
(#) = qualifier out of range (m) = manual integration (+) = signals summed



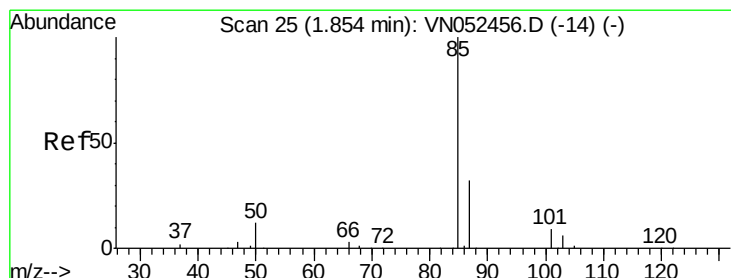
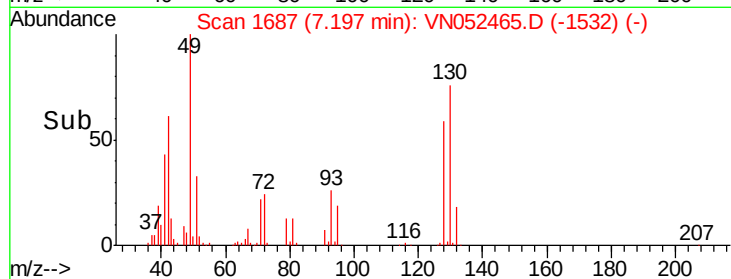
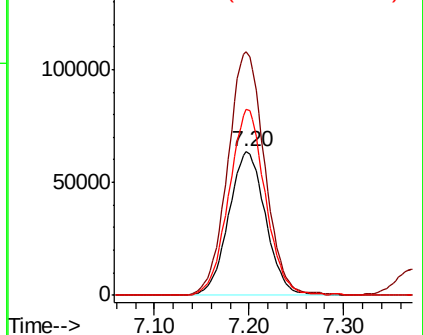
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 172564
Ion Ratio Lower Upper
128 100
49 169.8 0.0 431.8
130 127.9 0.0 317.0

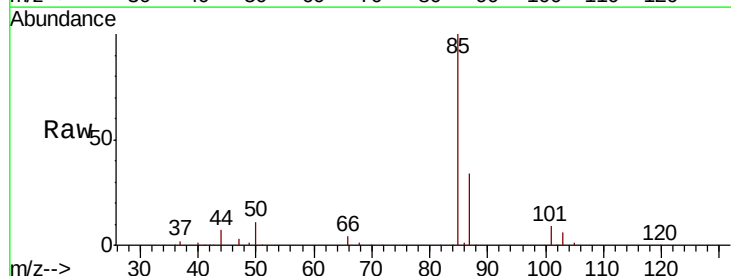


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

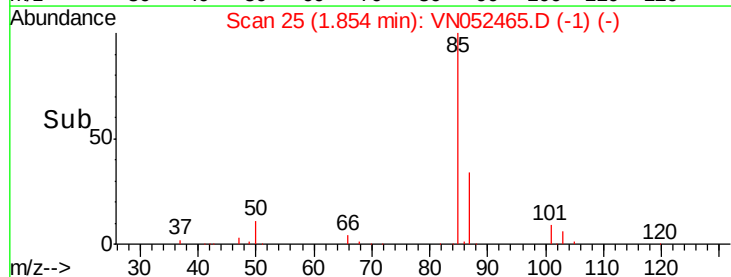
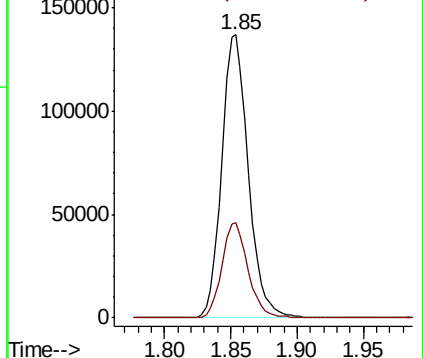


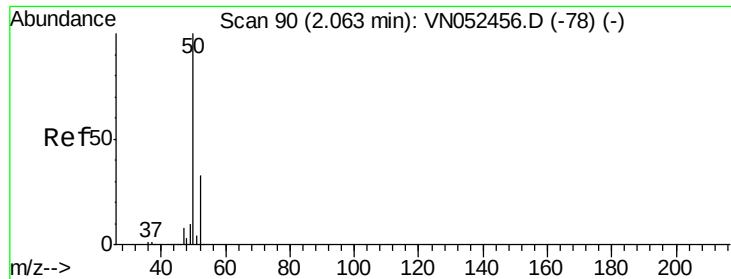
#2
Dichlorodifluoromethane
Concen: 19.398 ug/l
RT: 1.85 min Scan# 25
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion: 85 Resp: 190647
Ion Ratio Lower Upper
85 100
87 33.9 16.1 48.3



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





#3

Chloromethane

Concen: 19.529 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

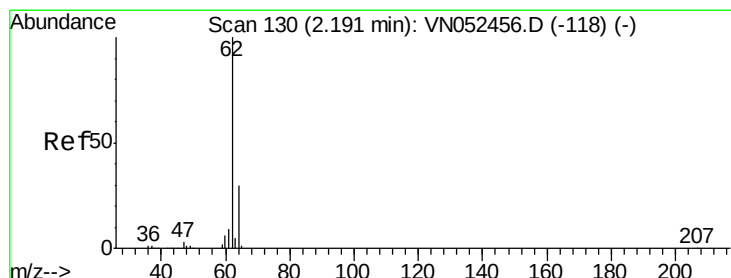
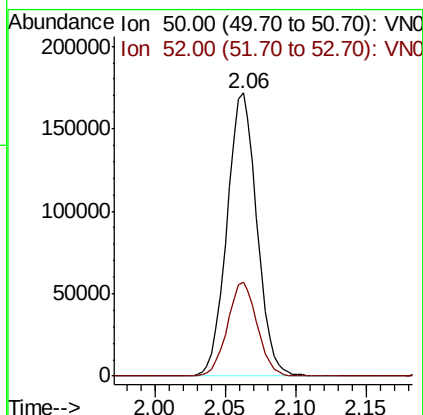
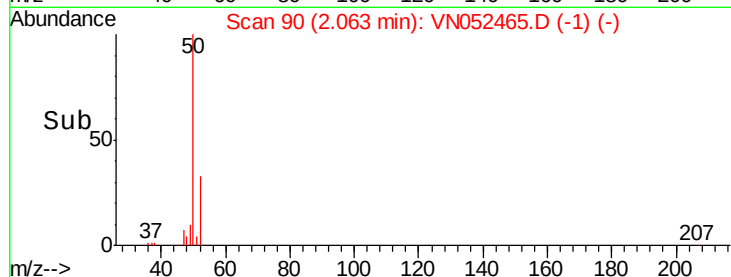
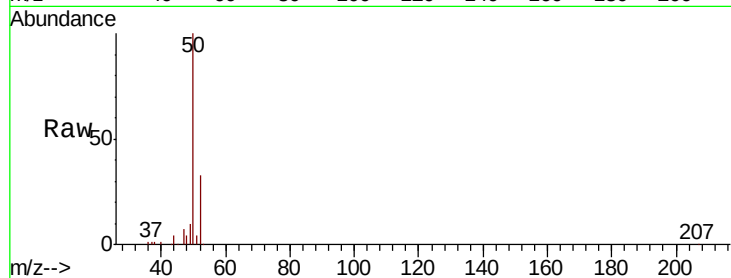
ClientSampleId :

Tot Ion: 50 Resp: 254548

Ion Ratio Lower Upper

50 100

52 33.3 26.5 39.7



#4

Vinyl Chloride

Concen: 19.688 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052465.D

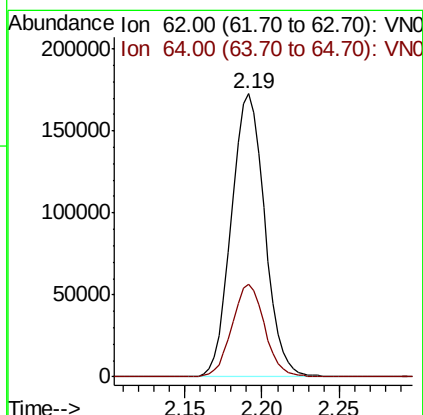
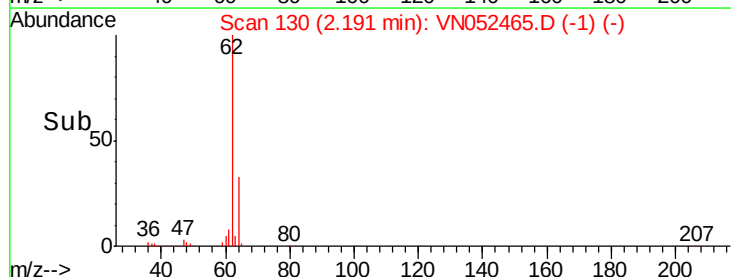
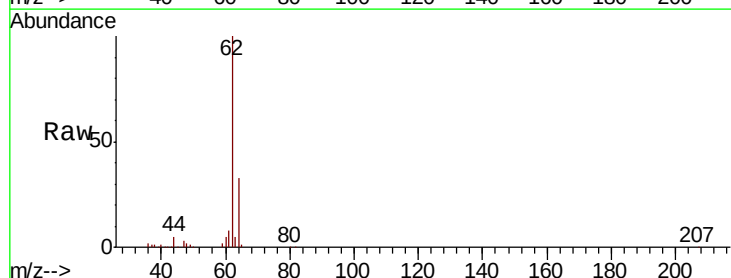
Acq: 26 Nov 2018 18:04

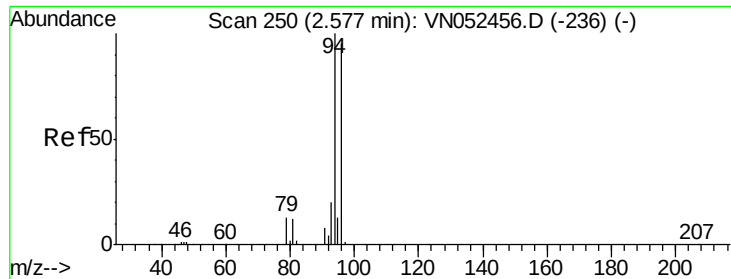
Tgt Ion: 62 Resp: 259005

Ion Ratio Lower Upper

62 100

64 32.9 24.2 36.4





#5

Bromomethane

Concen: 20.935 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

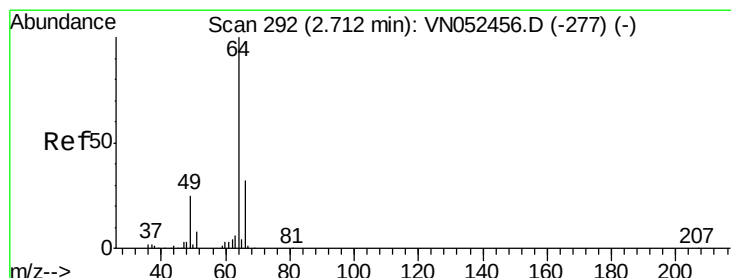
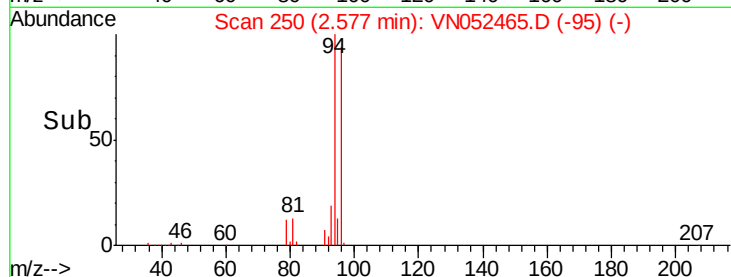
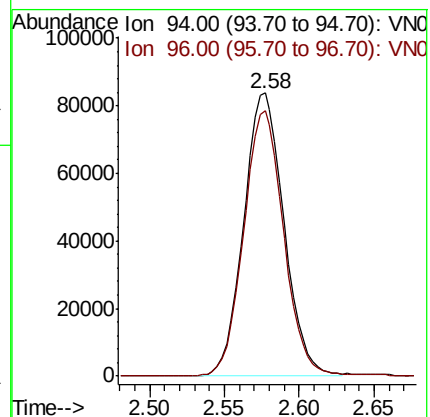
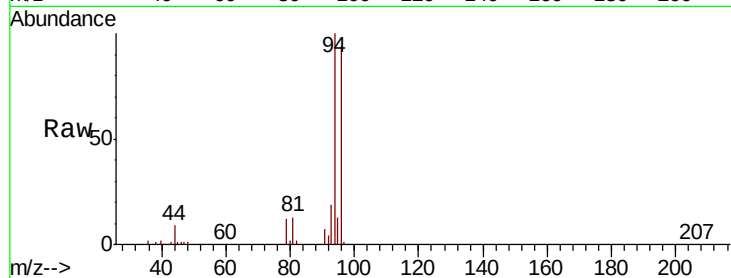
ClientSampleId :

Tot Ion: 94 Resp: 157034

Ion Ratio Lower Upper

94 100

96 93.7 76.2 114.2



#6

Chloroethane

Concen: 19.823 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN052465.D

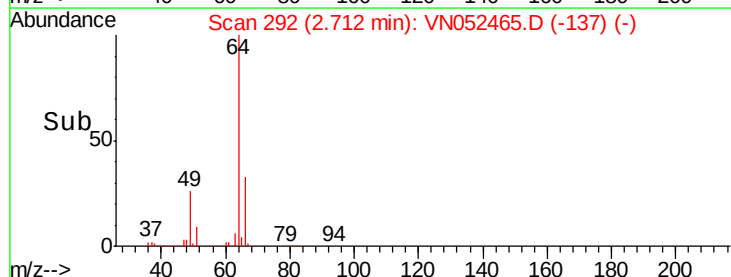
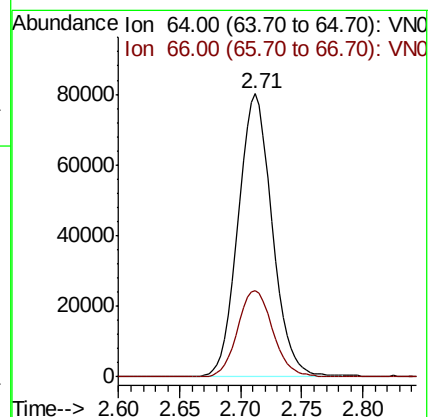
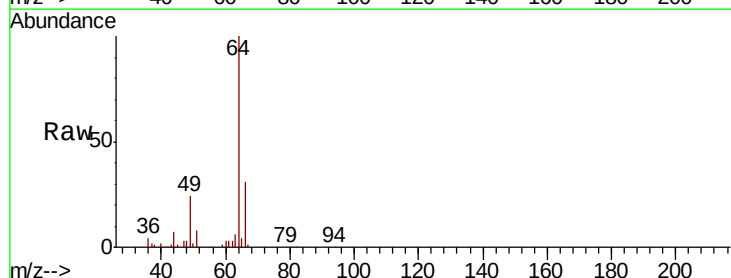
Acq: 26 Nov 2018 18:04

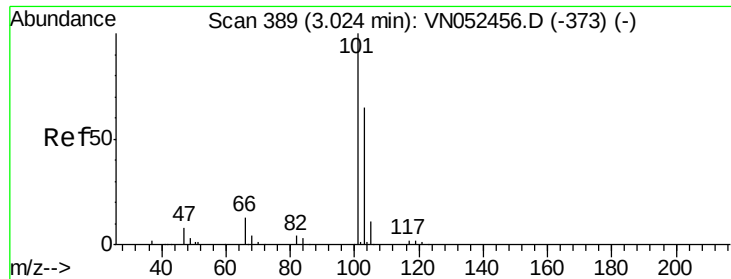
Tgt Ion: 64 Resp: 155078

Ion Ratio Lower Upper

64 100

66 30.6 25.6 38.4



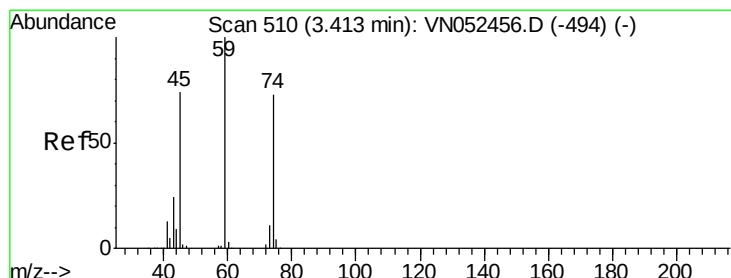
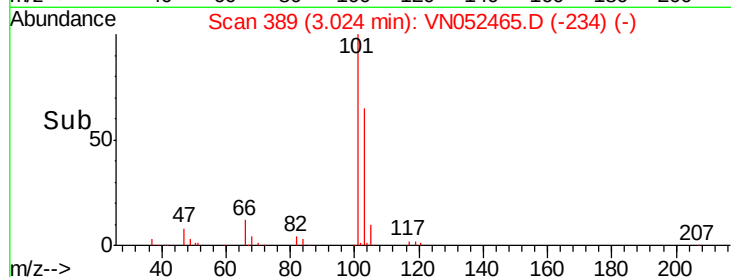
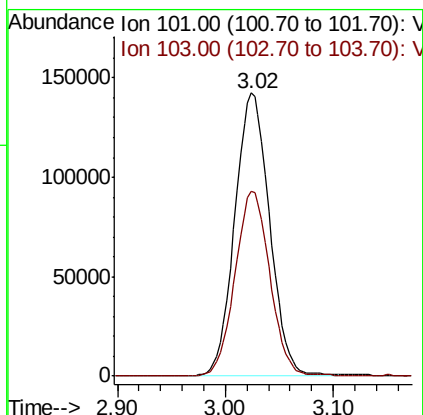
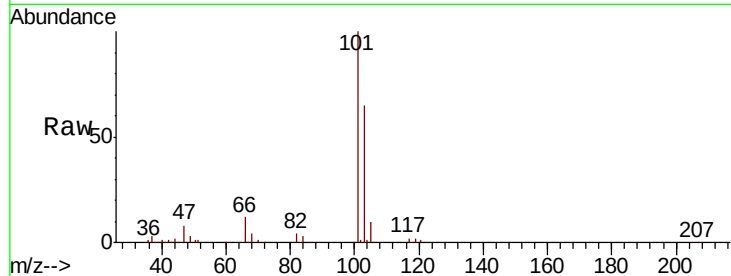


#7

Trichlorofluoromethane
 Concen: 19.642 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052465.D
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Instrument :
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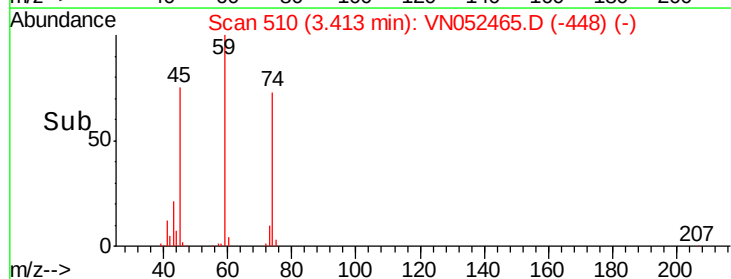
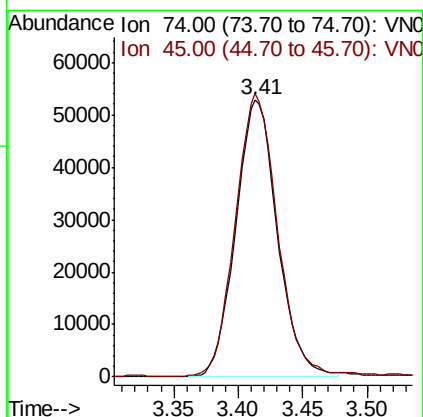
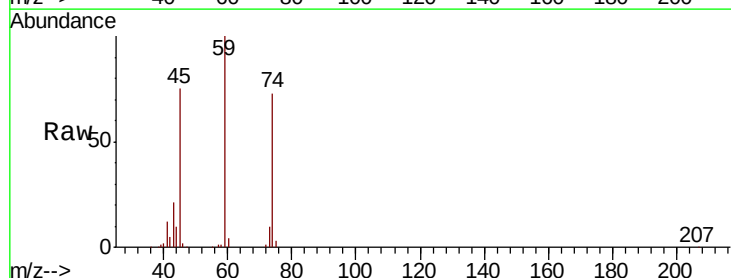
Tot Ion:101 Resp: 318905
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.1 78.1

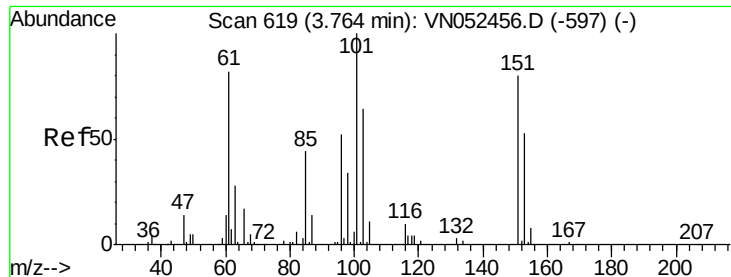


#8

Diethyl Ether
 Concen: 19.809 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 74 Resp: 118756
 Ion Ratio Lower Upper
 74 100
 45 102.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.095 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

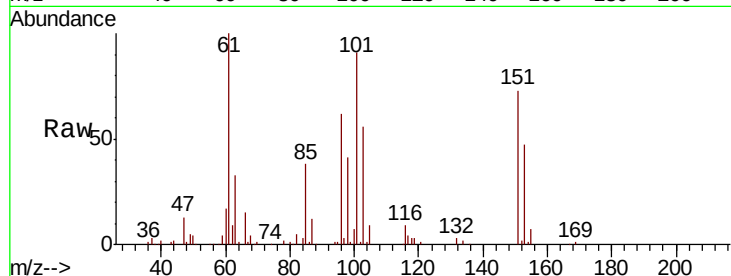
Tot Ion:101 Resp: 196524

Ion Ratio Lower Upper

101 100

85 42.2 0.0 82.6

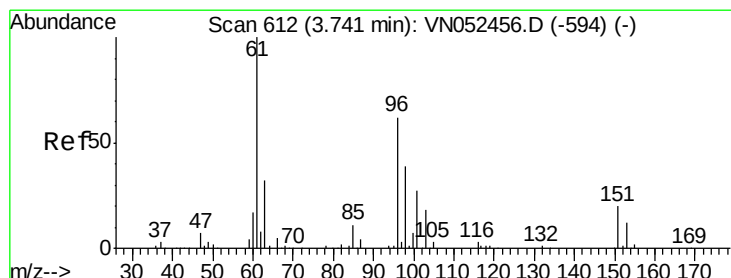
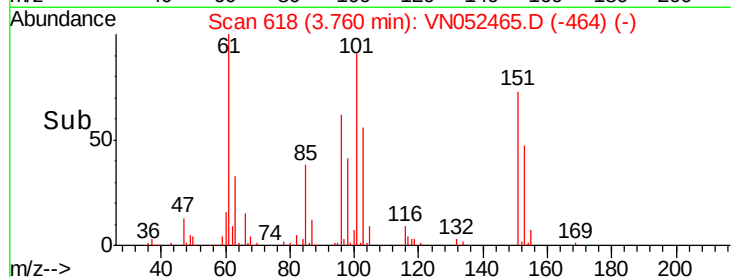
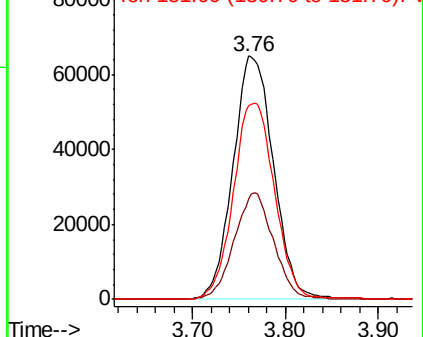
151 82.1 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.613 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

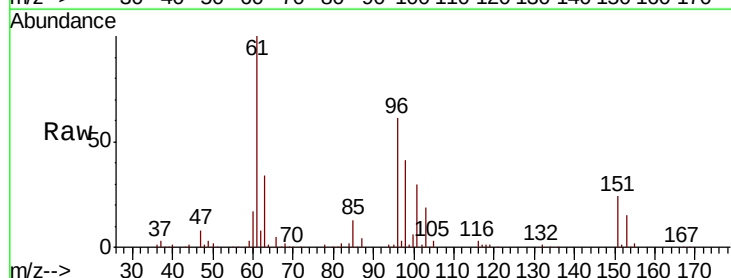
Tgt Ion: 96 Resp: 189792

Ion Ratio Lower Upper

96 100

61 162.4 129.4 194.2

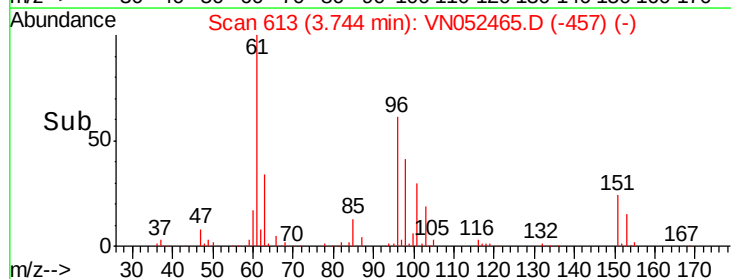
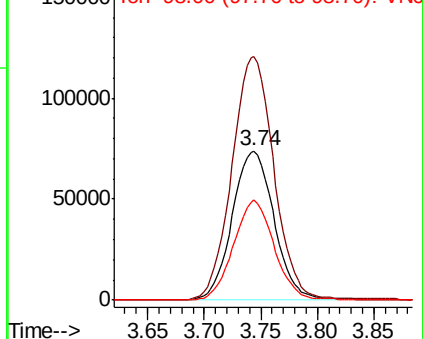
98 66.5 50.4 75.6

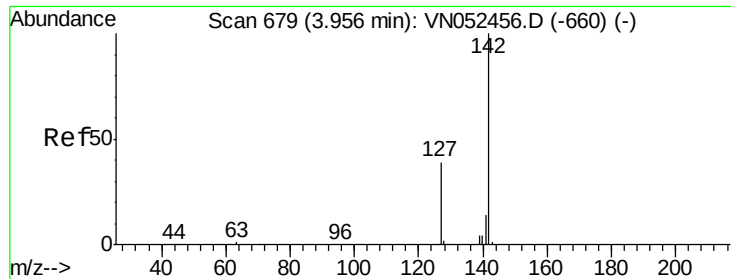


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

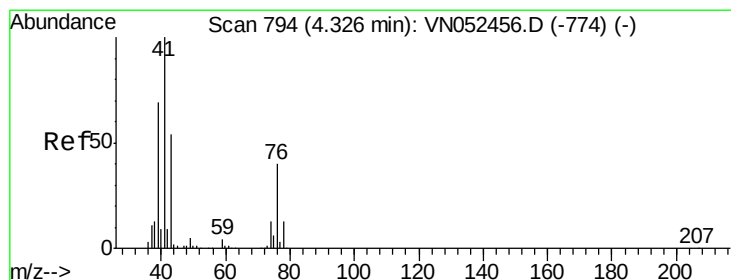
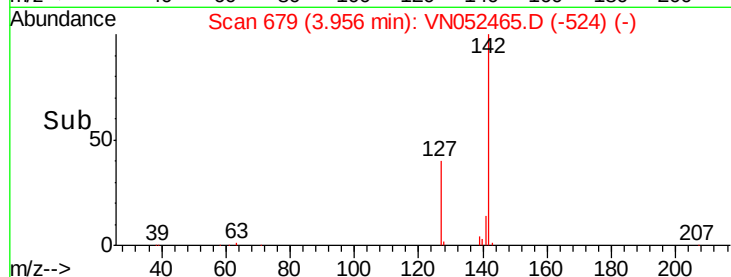
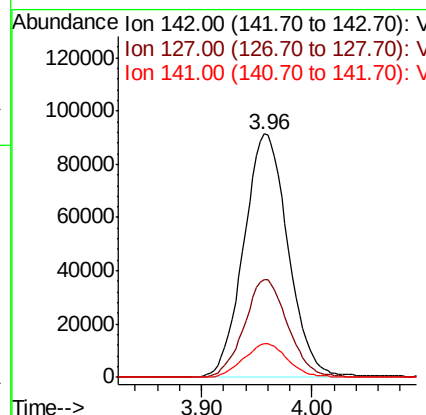
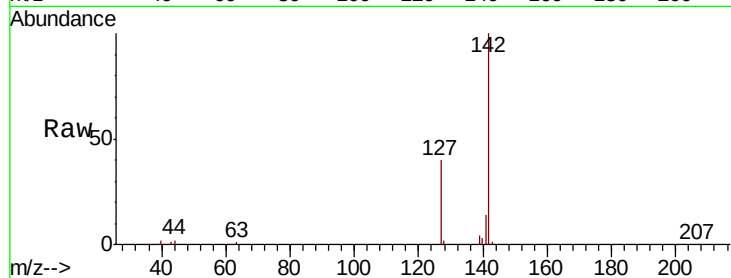




#11
Methvl Iodide
Concen: 18.888 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

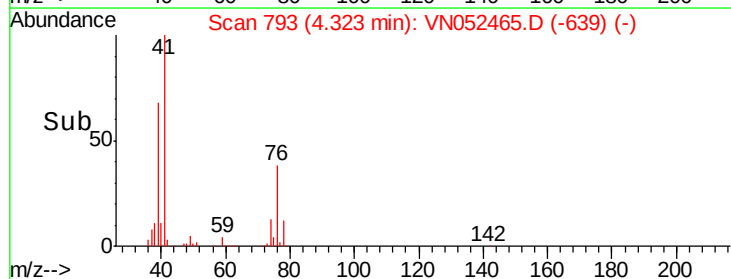
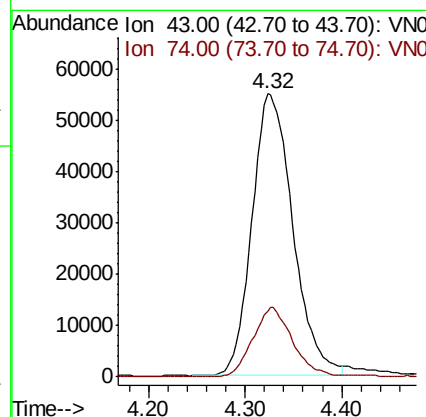
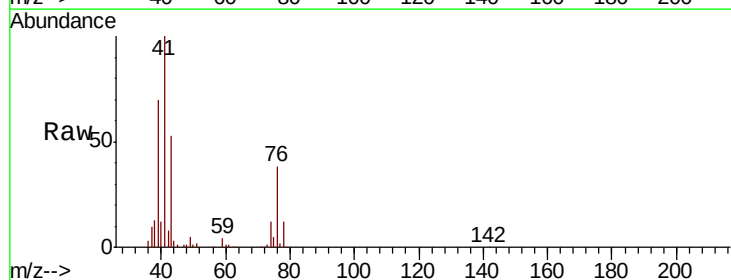
Instrument :
MSVOA_N
ClientSampled :

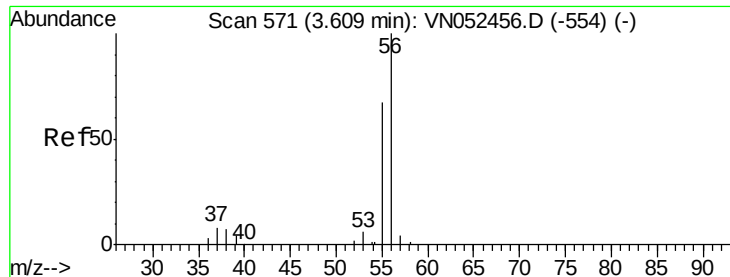
Tot Ion:142 Resp: 253780
Ion Ratio Lower Upper
142 100
127 40.1 19.4 58.1
141 13.6 7.2 21.6



#12
Methyl Acetate
Concen: 19.654 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion: 43 Resp: 161602
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3





#13

Acrolein

Concen: 97.406 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

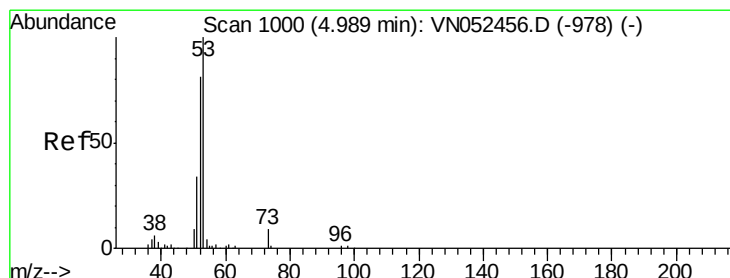
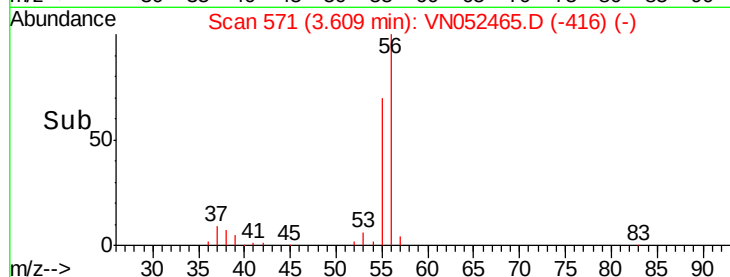
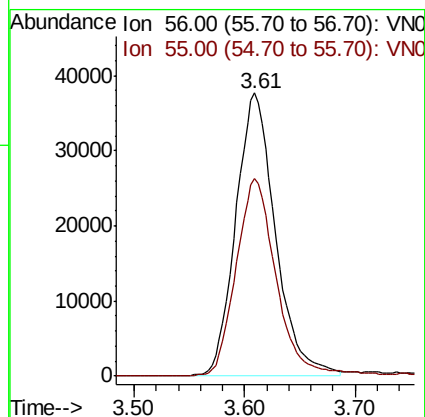
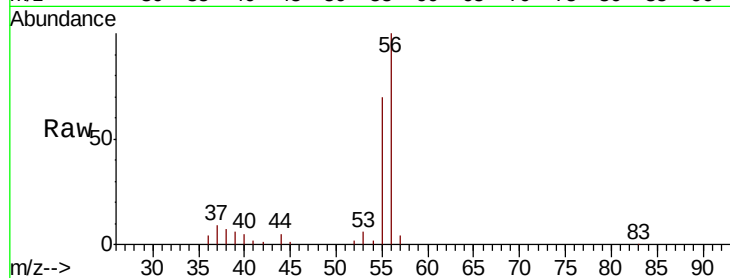
ClientSampleId :

Tot Ion: 56 Resp: 94078

Ion Ratio Lower Upper

56 100

55 70.1 56.7 85.1



#14

Acrylonitrile

Concen: 98.969 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

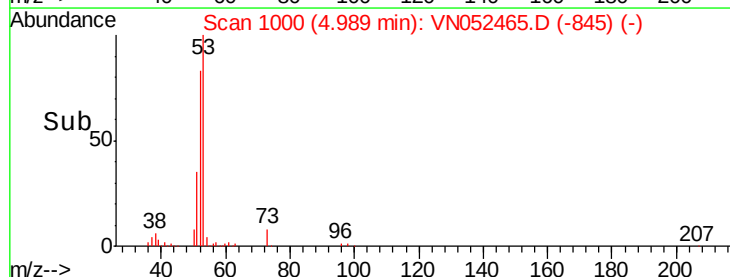
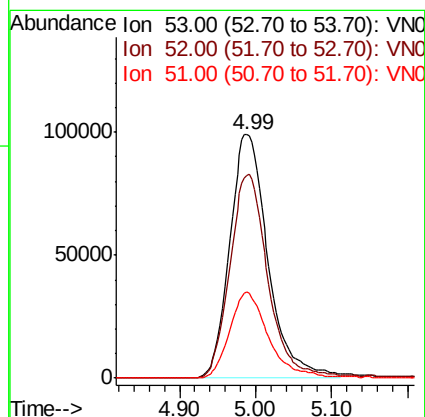
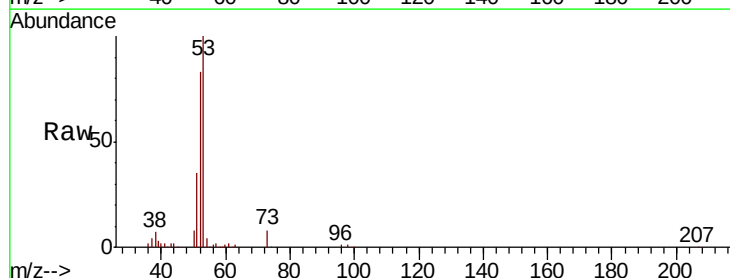
Tgt Ion: 53 Resp: 346722

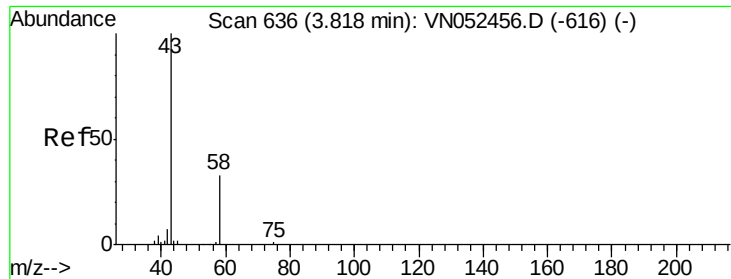
Ion Ratio Lower Upper

53 100

52 83.6 39.9 119.7

51 35.8 17.6 52.9





#15

Acetone

Concen: 86.790 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

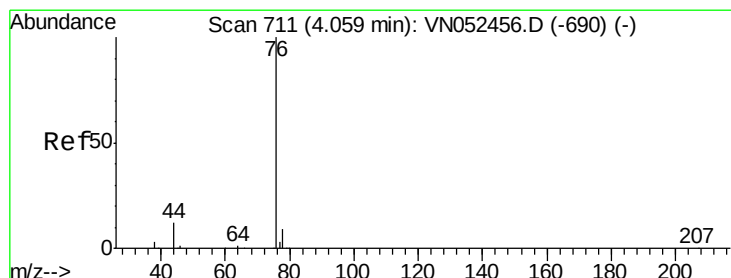
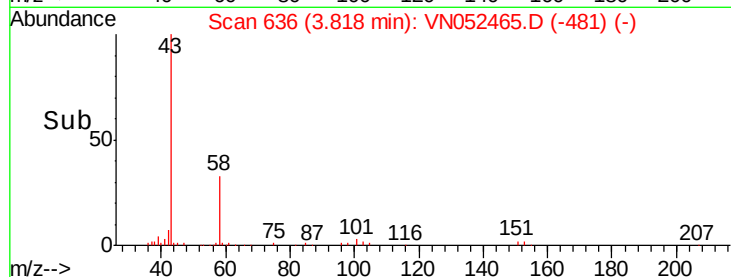
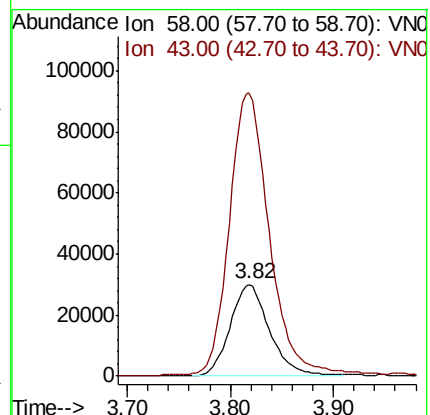
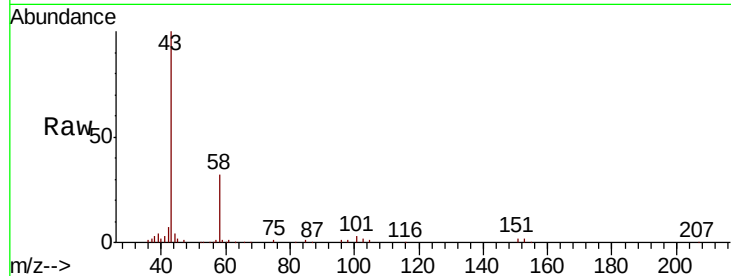
ClientSampled :

Tot Ion: 58 Resp: 78743

Ion Ratio Lower Upper

58 100

43 306.5 243.6 365.4



#16

Carbon Disulfide

Concen: 19.143 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052465.D

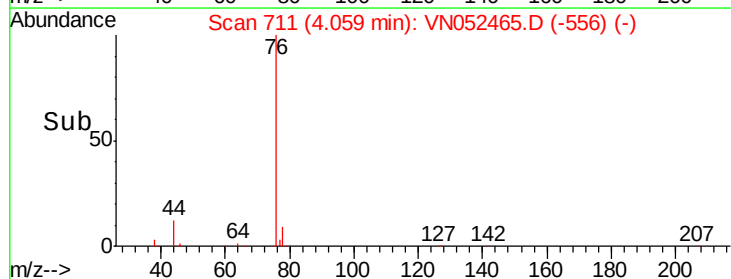
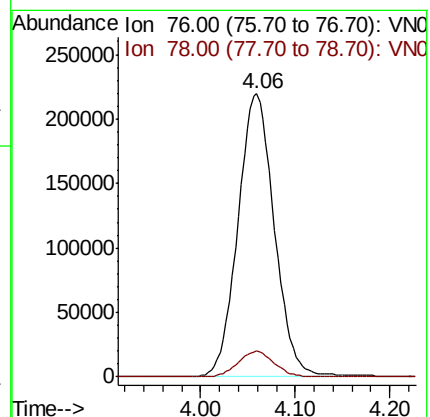
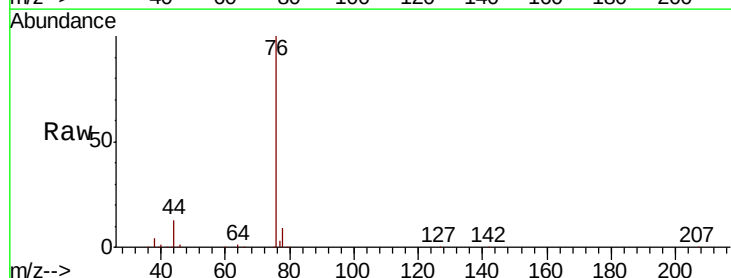
Acq: 26 Nov 2018 18:04

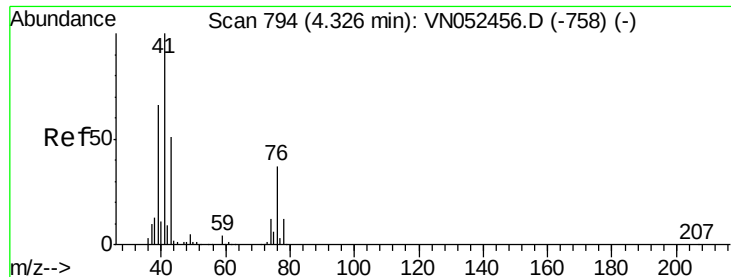
Tgt Ion: 76 Resp: 586493

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

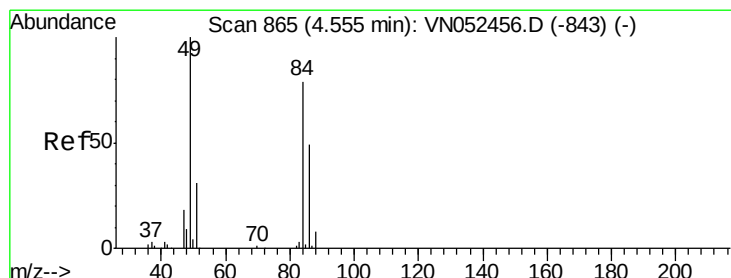
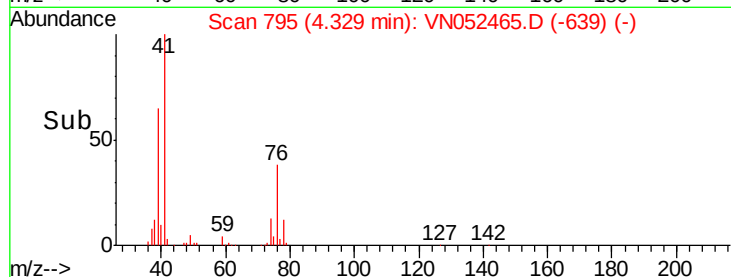
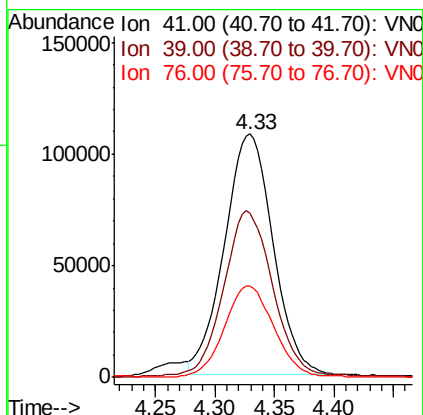
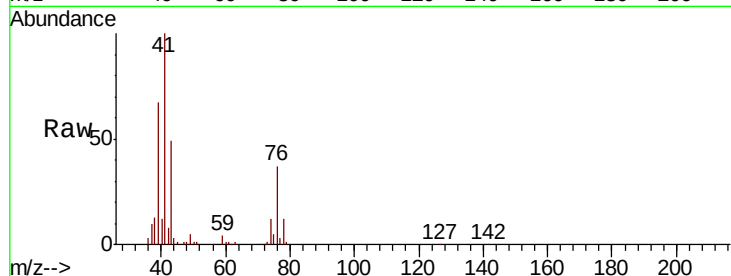




#17
Allvl chloride
Concen: 17.991 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

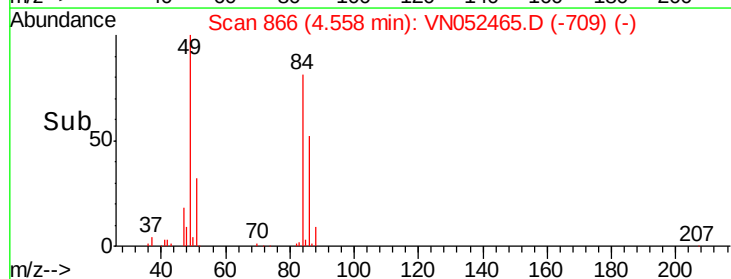
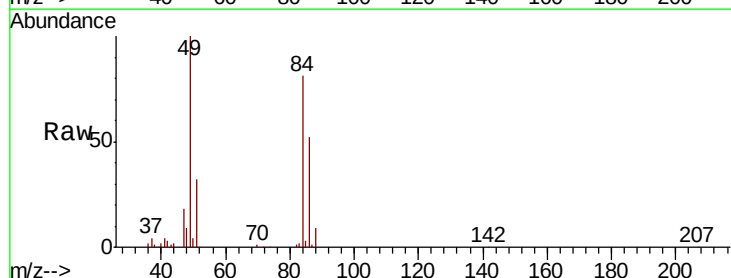
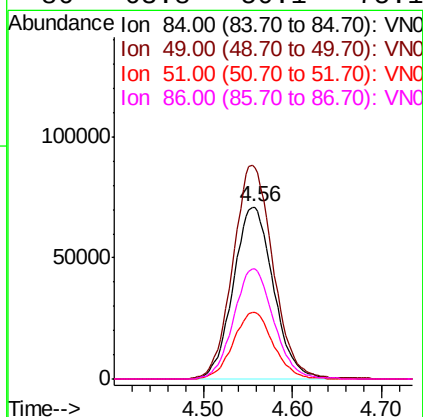
Instrument :
MSVOA_N
ClientSampled :

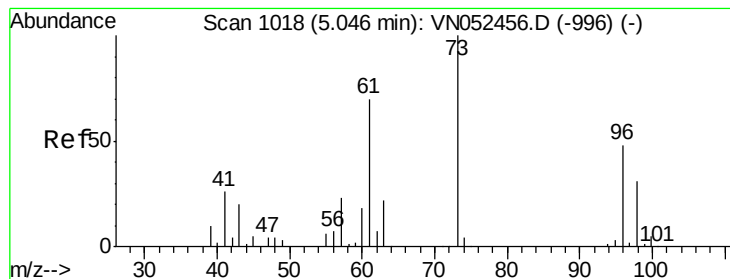
Tot Ion	Ratio	Lower	Upper
41	100		
39	67.2	32.8	98.3
76	37.4	18.6	55.8



#18
Methylene Chloride
Concen: 19.877 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.7	101.4	152.0
51	38.8	31.7	47.5
86	63.8	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.723 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampled :

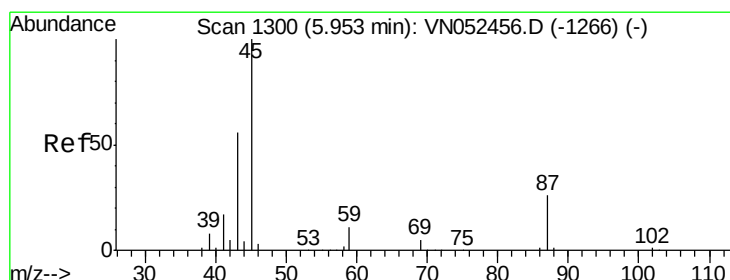
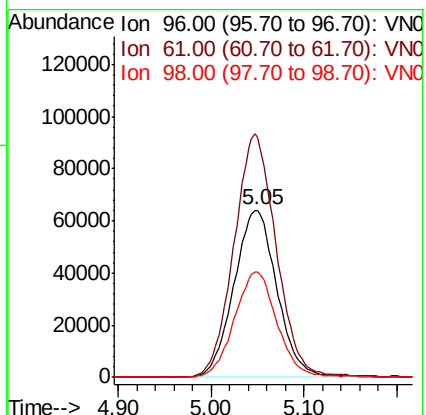
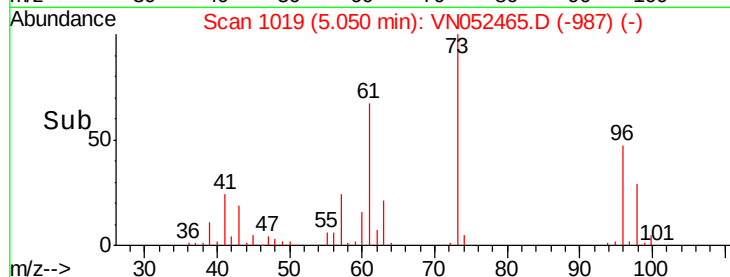
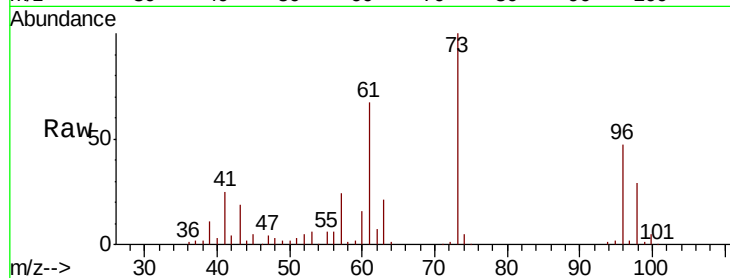
Tot Ion: 96 Resp: 205401

Ion Ratio Lower Upper

96 100

61 143.2 118.2 177.4

98 62.5 51.4 77.2



#20

Diisopropyl ether

Concen: 19.845 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion: 45 Resp: 703811

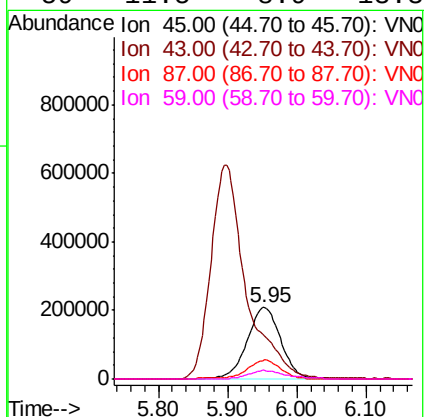
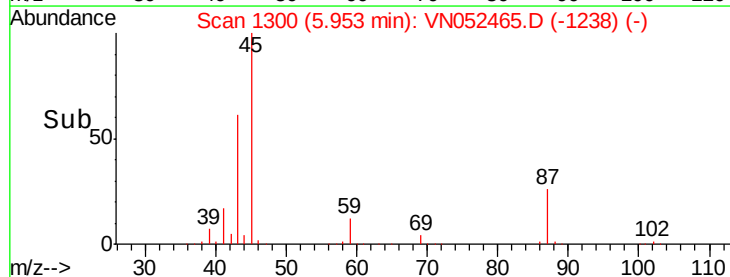
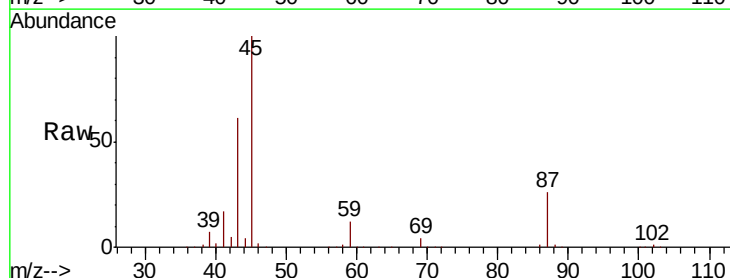
Ion Ratio Lower Upper

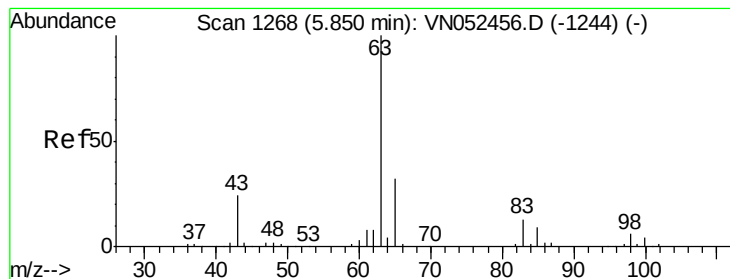
45 100

43 59.2 47.8 71.8

87 26.1 21.3 31.9

59 11.5 8.9 13.3





#21

1,1-Dichloroethane

Concen: 19.874 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

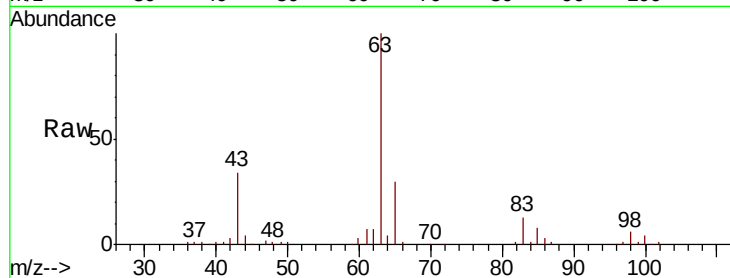
Tot Ion: 63 Resp: 401736

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.9 1.8 5.5

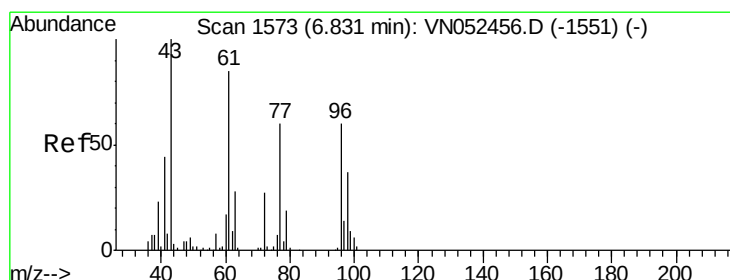
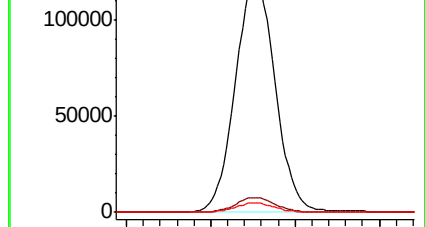
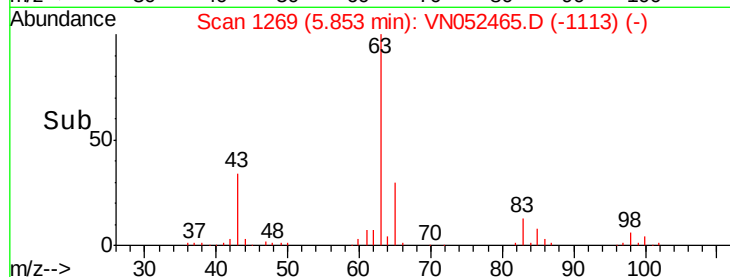


Abundance Ion 63.00 (62.70 to 63.70): VN052465.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN052465.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN052465.D (-1244) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 19.631 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

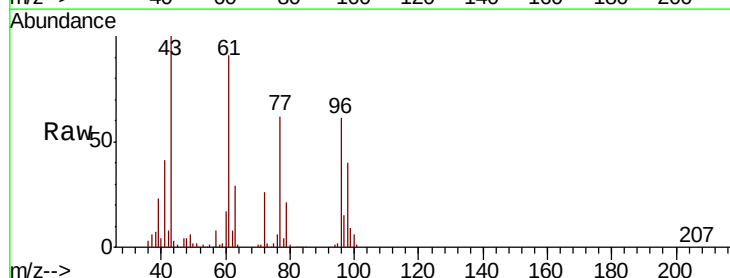
Tgt Ion: 96 Resp: 234304

Ion Ratio Lower Upper

96 100

61 147.3 116.7 175.1

98 63.8 50.8 76.2

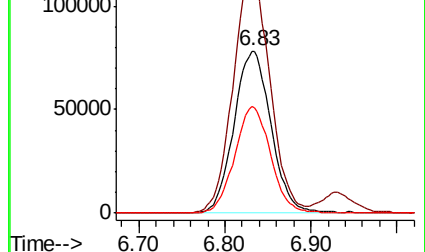
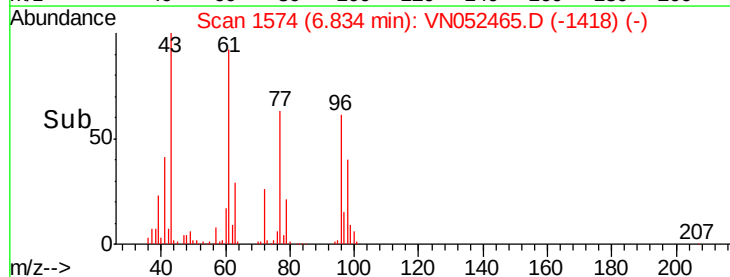


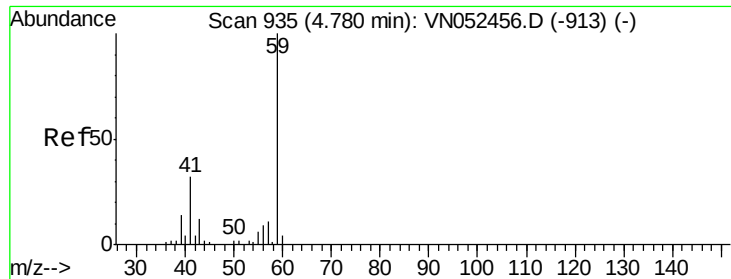
Abundance Ion 96.00 (95.70 to 96.70): VN052465.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN052465.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN052465.D (-1418) (-)

Time-->



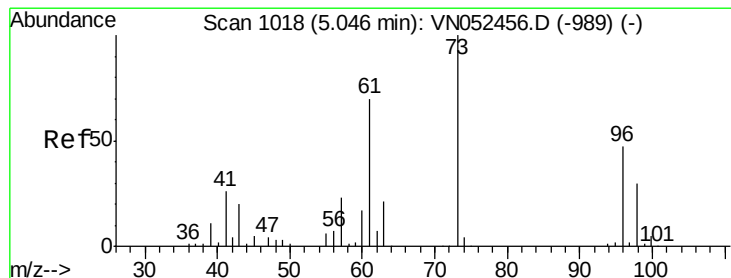
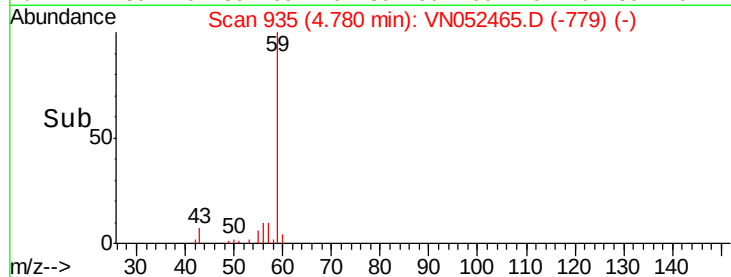
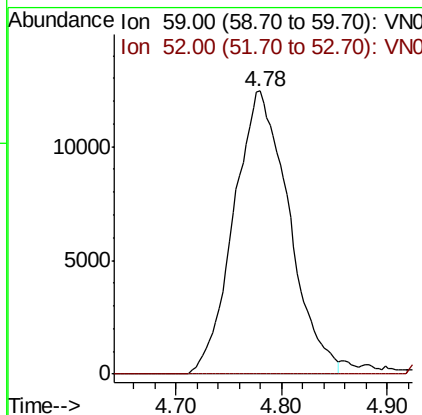
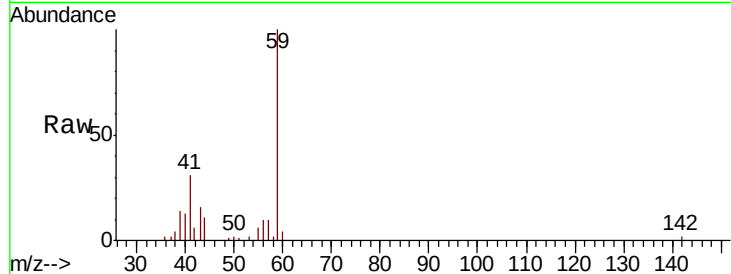


#23

tert-Butyl Alcohol
 Concen: 86.748 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampled :

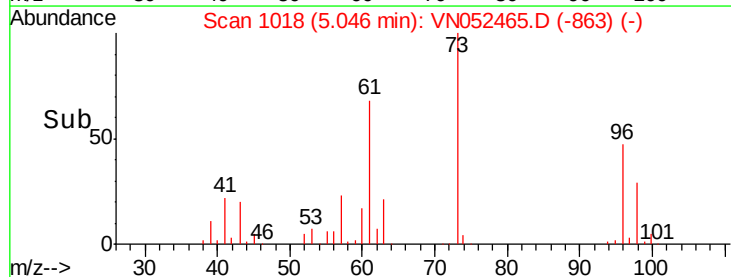
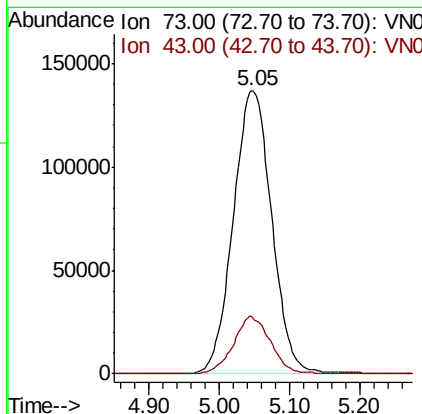
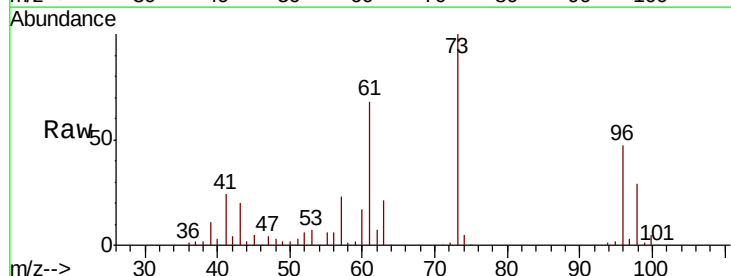
Tot Ion: 59 Resp: 45209
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.0 0.0#

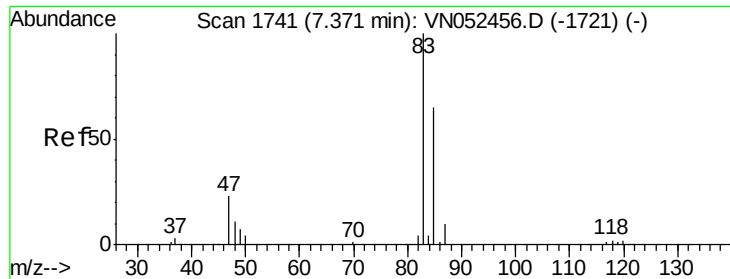


#24

Methyl tert-Butyl Ether
 Concen: 20.501 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 73 Resp: 520453
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.8 23.8

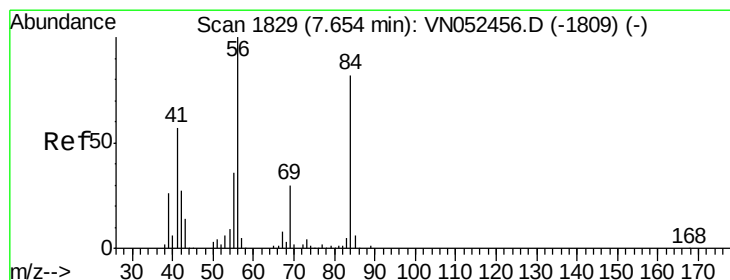
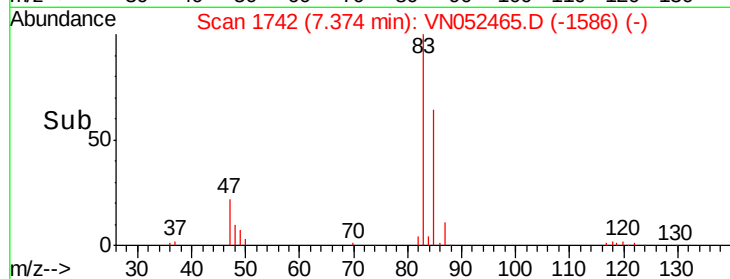
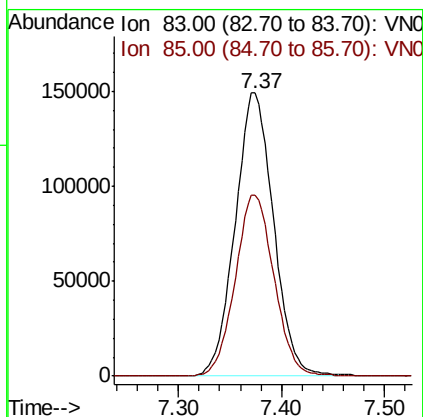
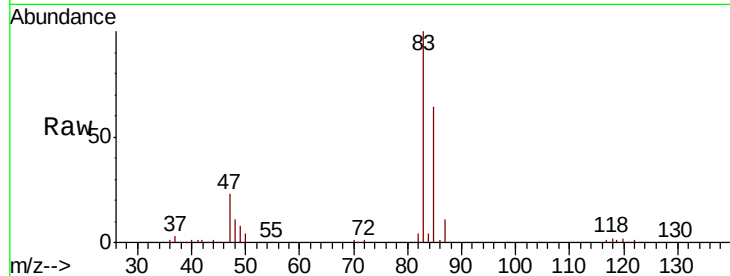




#25
Chloroform
Concen: 19.798 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

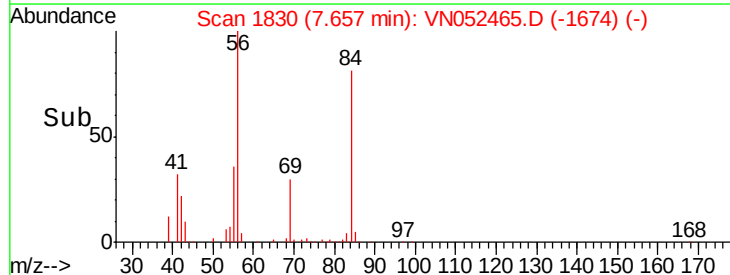
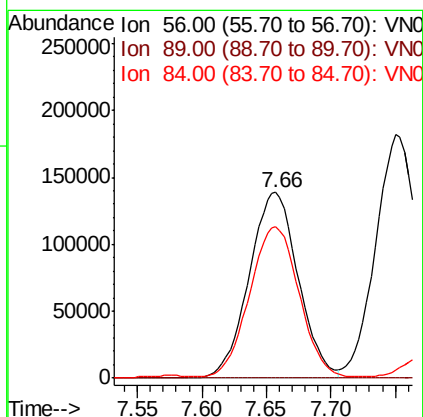
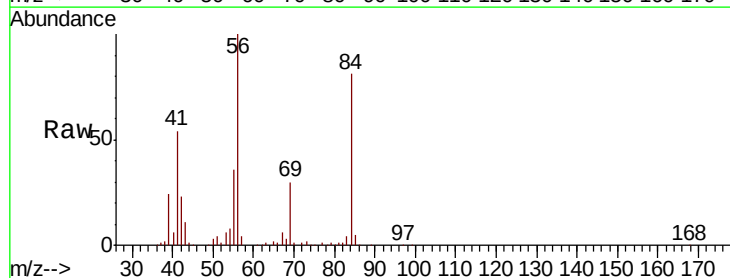
Instrument :
MSVOA_N
ClientSampled :

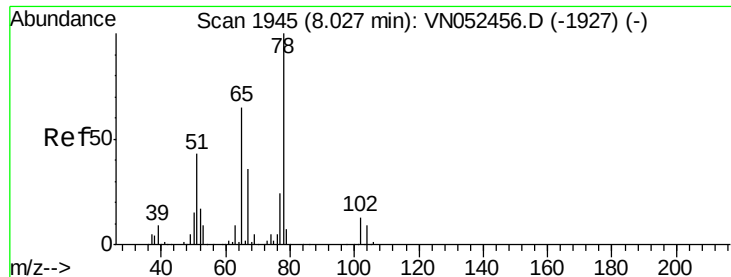
Tot Ion: 83 Resp: 386072
Ion Ratio Lower Upper
83 100
85 64.0 51.7 77.5



#26
Cyclohexane
Concen: 19.292 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion: 56 Resp: 367792
Ion Ratio Lower Upper
56 100
89 0.3 0.5 0.7#
84 82.6 66.2 99.2

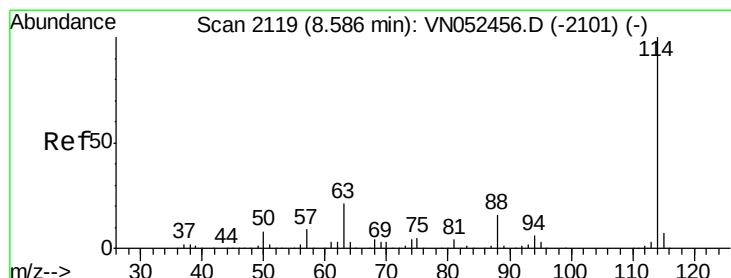
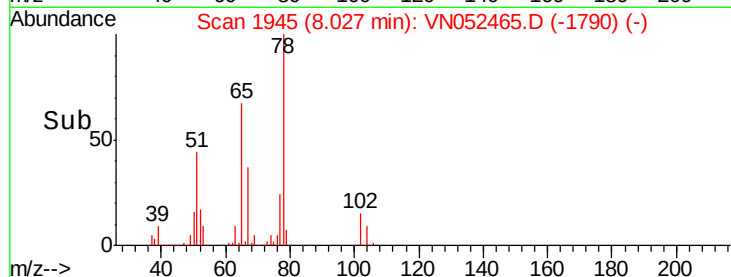
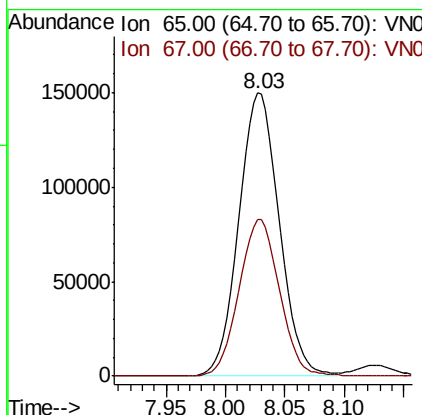
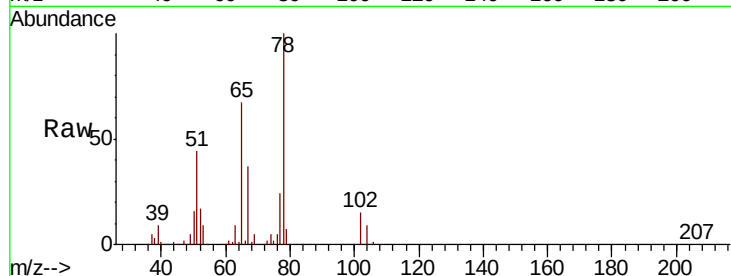




#27
 1,2-Dichloroethane-d4
 Concen: 19.292 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

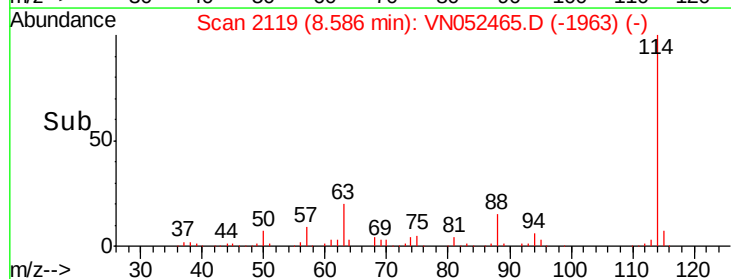
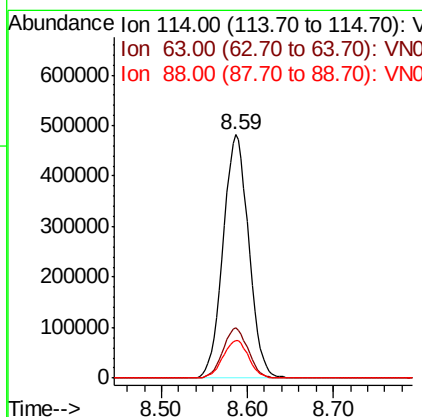
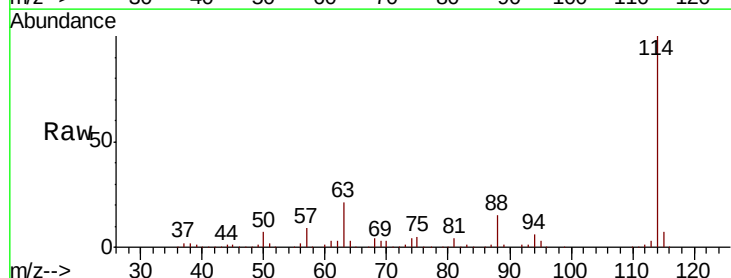
Instrument :
 MSVOA_N
 ClientSampleId :

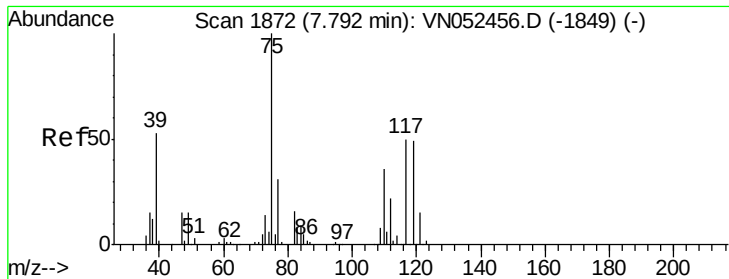
Tot Ion: 65 Resp: 353456
 Ion Ratio Lower Upper
 65 100
 67 55.3 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 114 Resp: 1000141
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.9 25.3
 88 15.5 12.8 19.2





#29

1,1-Dichloropropene

Concen: 19.353 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

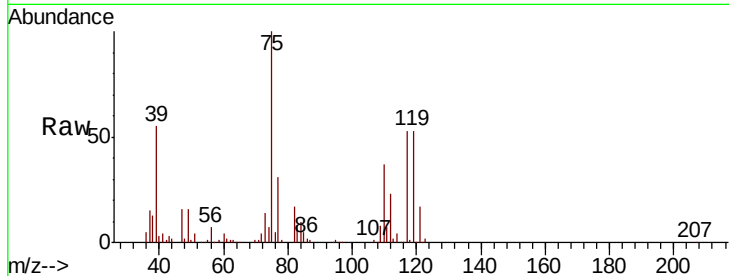
Tot Ion: 75 Resp: 295588

Ion Ratio Lower Upper

75 100

110 35.5 0.0 70.2

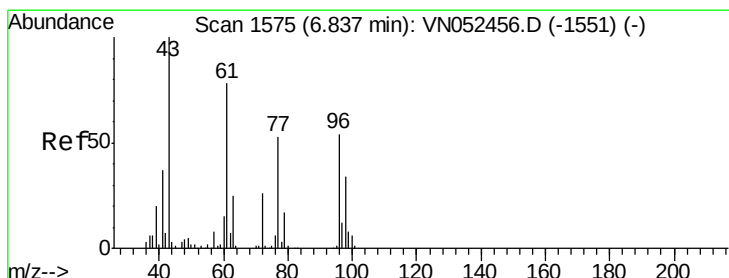
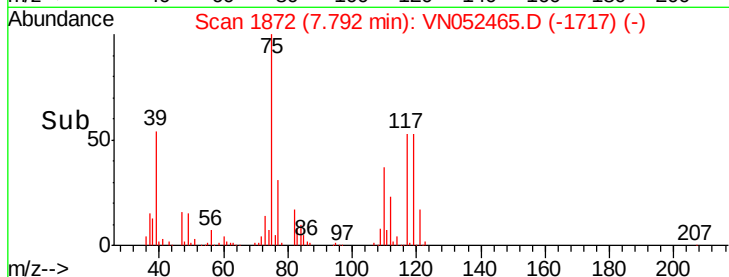
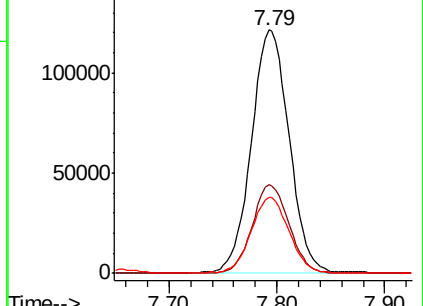
77 30.8 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VN052465.D (-1849) (-)

Ion 110.00 (109.70 to 110.70): VN052465.D (-1849) (-)

Ion 77.00 (76.70 to 77.70): VN052465.D (-1849) (-)



#30

2-Butanone

Concen: 93.329 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

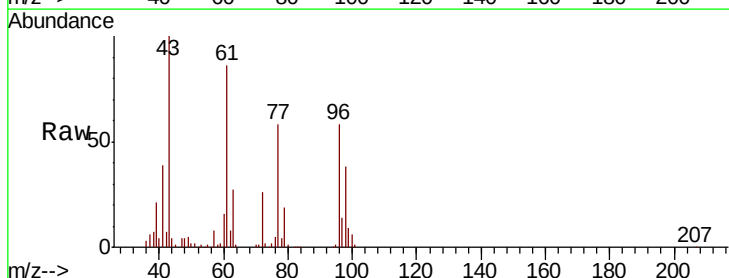
Tgt Ion: 43 Resp: 381421

Ion Ratio Lower Upper

43 100

57 8.2 6.2 9.4

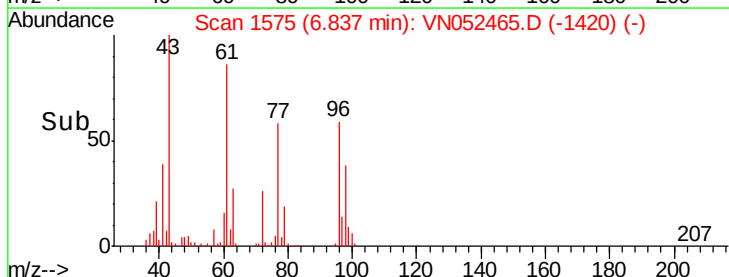
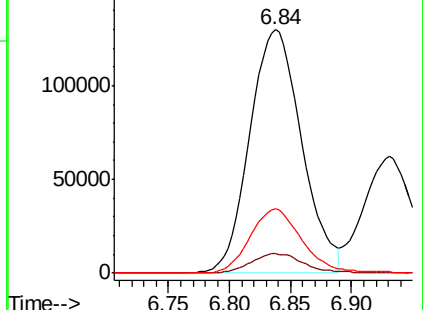
72 26.2 21.0 31.6

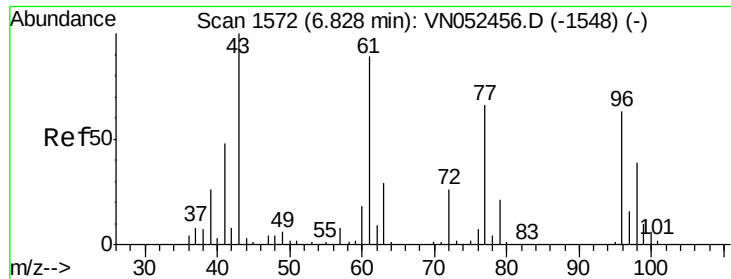


Abundance Ion 43.00 (42.70 to 43.70): VN052465.D (-1551) (-)

Ion 57.00 (56.70 to 57.70): VN052465.D (-1551) (-)

Ion 72.00 (71.70 to 72.70): VN052465.D (-1551) (-)

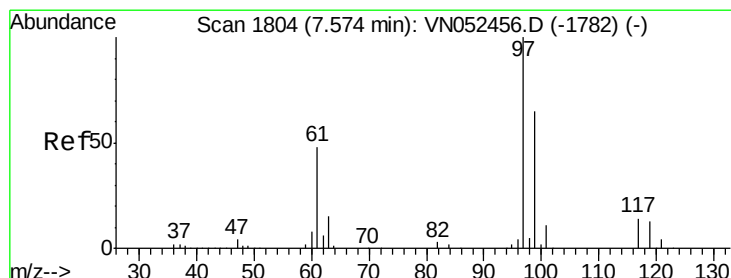
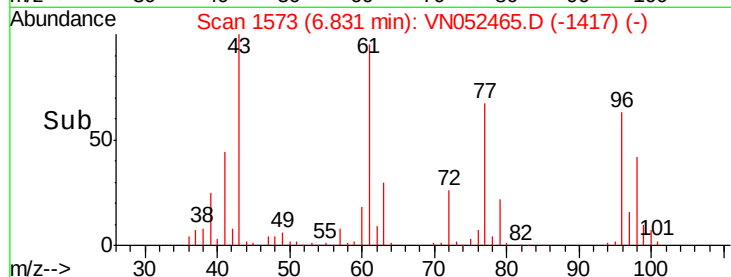
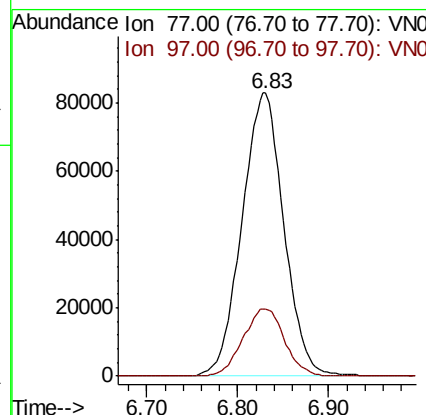
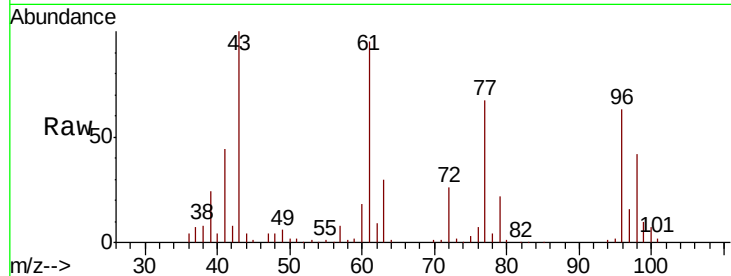




#31
 2,2-Dichloropropane
 Concen: 18.780 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

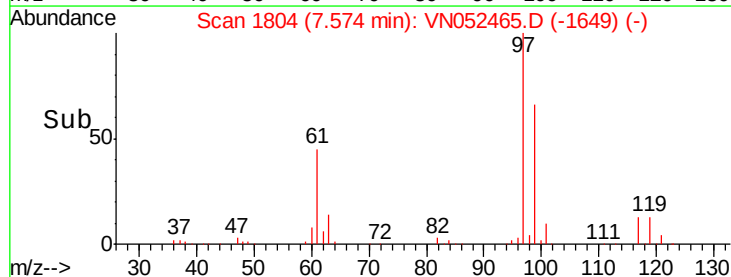
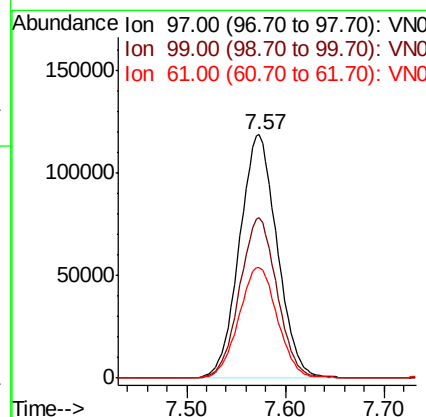
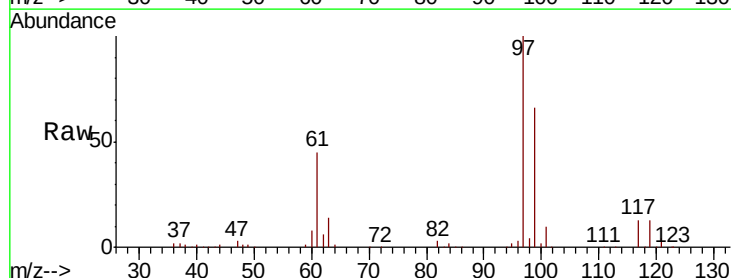
Instrument :
 MSVOA_N
 ClientSampled :

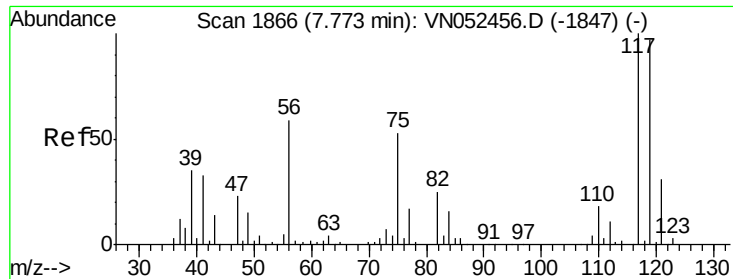
Tot Ion: 77 Resp: 264064
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.776 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 97 Resp: 314275
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.9 76.3
 61 46.5 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.580 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

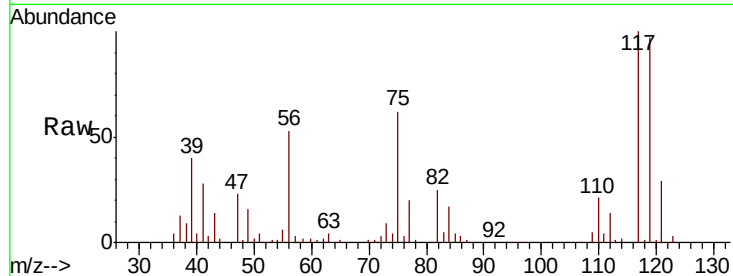
Tot Ion:117 Resp: 272270

Ion Ratio Lower Upper

117 100

119 96.8 77.3 115.9

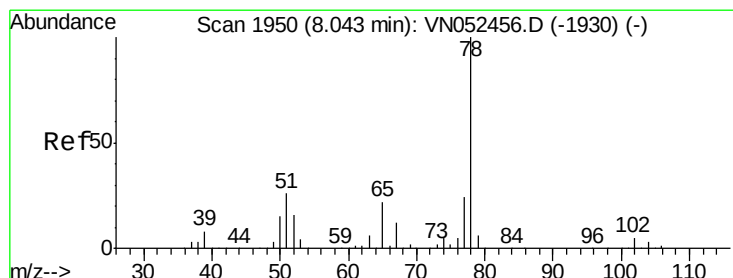
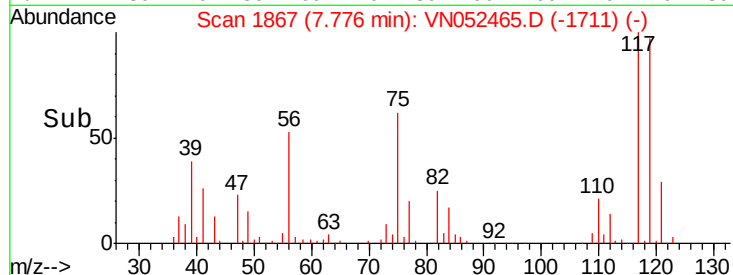
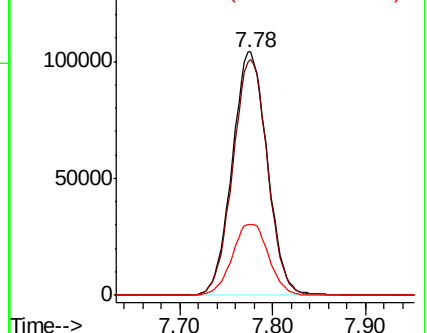
121 29.1 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.781 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

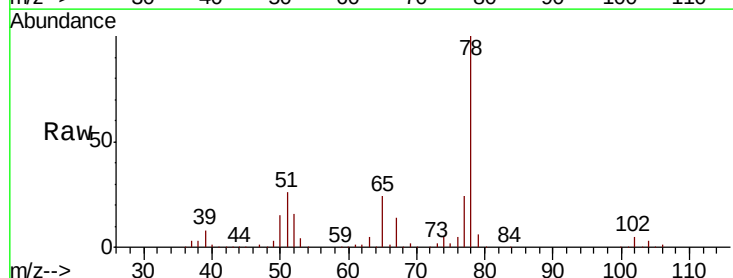
Tgt Ion: 78 Resp: 908323

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.6

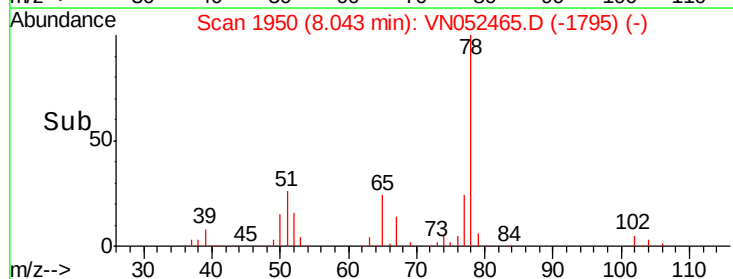
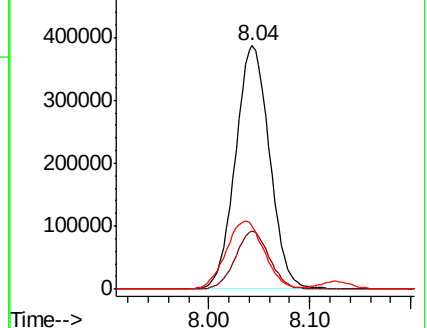
51 25.9 20.5 30.7

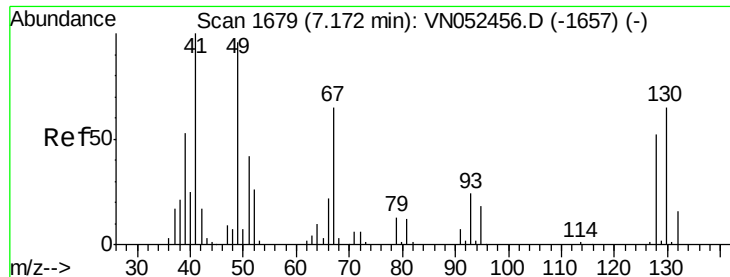


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

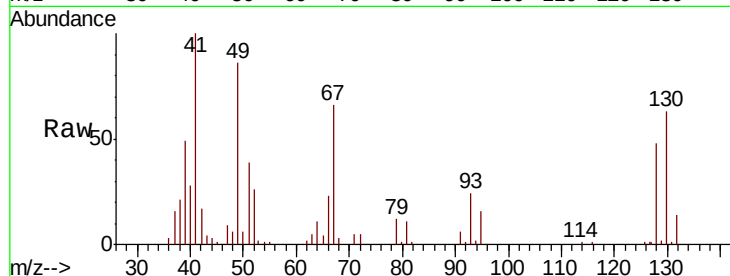




#35
Methacrylonitrile
Concen: 21.287 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	107938
Ion	Ratio	Lower	Upper
41	100		
39	48.4	26.6	79.7
67	65.5	32.3	96.9
52	25.4	13.0	38.9



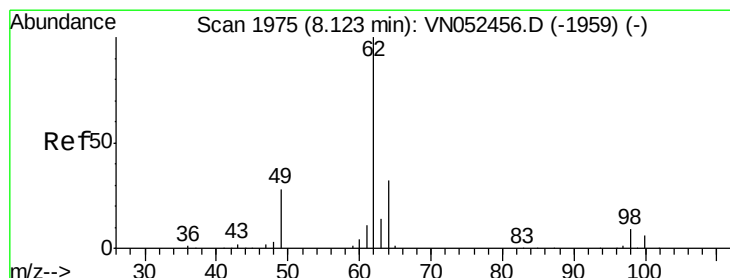
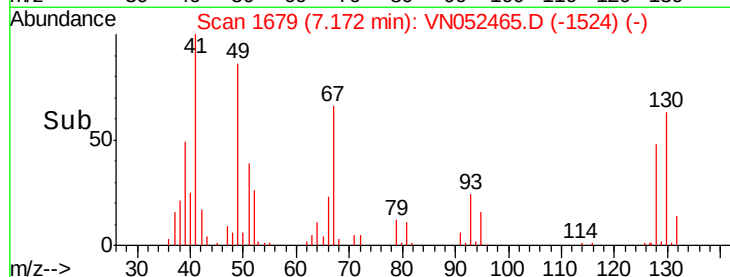
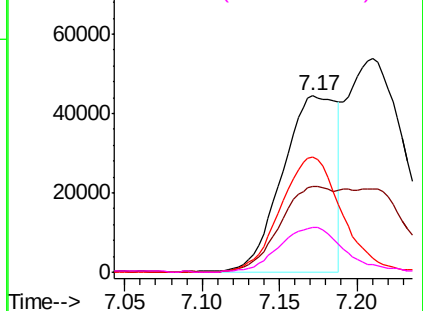
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

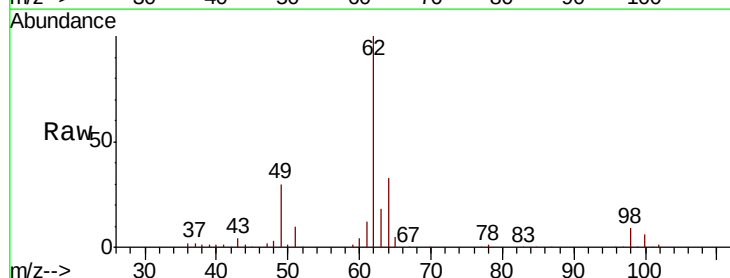
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 19.871 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

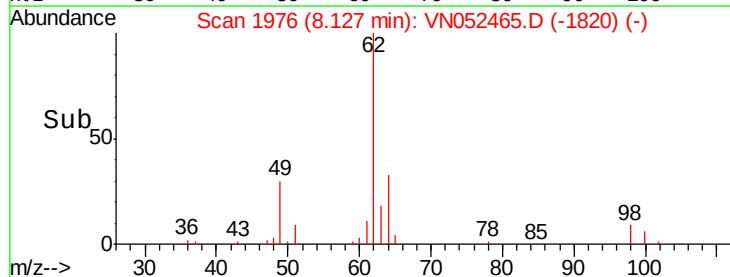
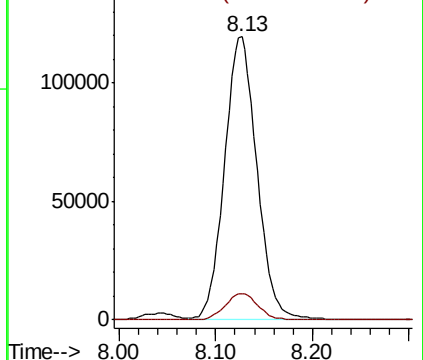
Tgt Ion:	62	Resp:	276507
Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.4	11.2

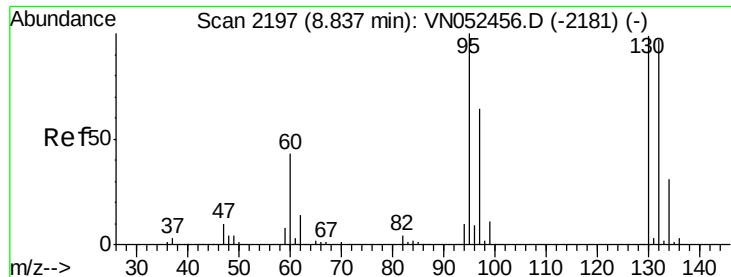


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 19.455 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

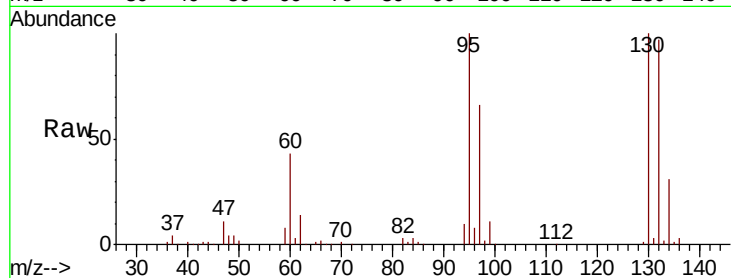
ClientSampleId :

Tot Ion:130 Resp: 226534

Ion Ratio Lower Upper

130 100

95 99.9 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

120000

100000

80000

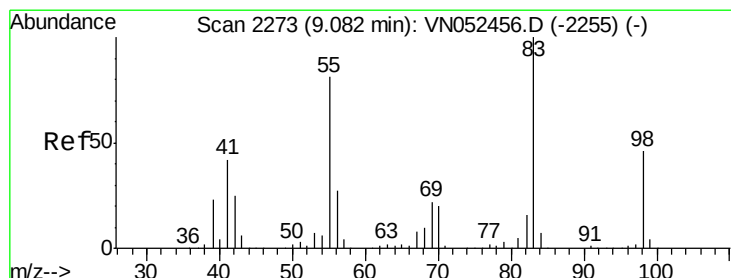
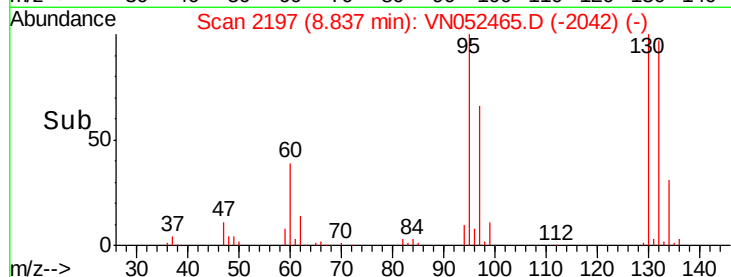
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 19.255 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

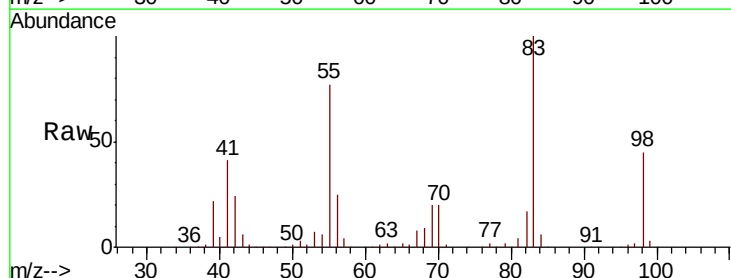
Tgt Ion: 83 Resp: 364053

Ion Ratio Lower Upper

83 100

55 77.5 39.8 119.4

98 44.8 22.9 68.5



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

200000

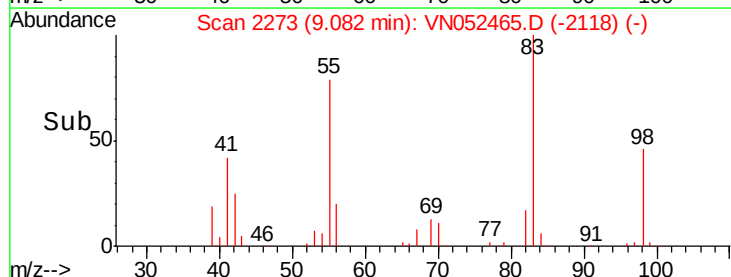
150000

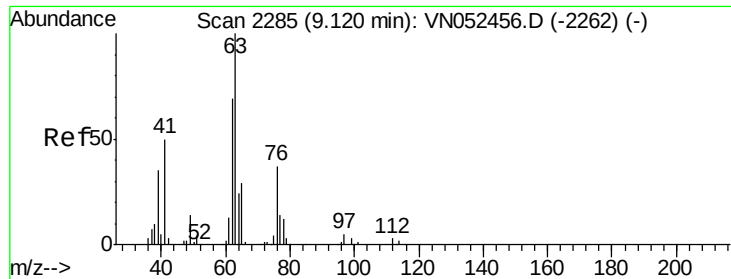
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 19.664 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

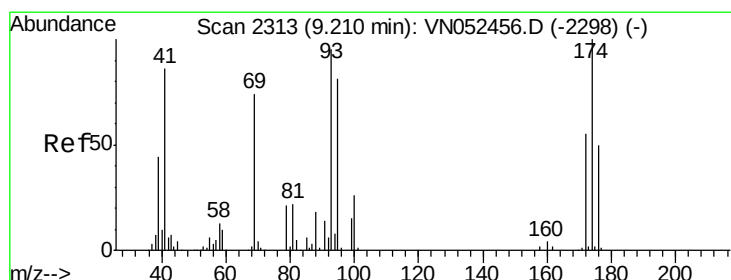
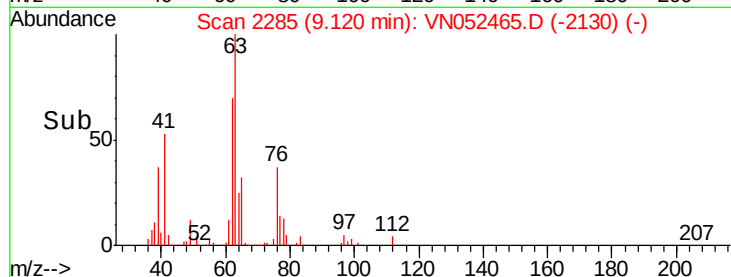
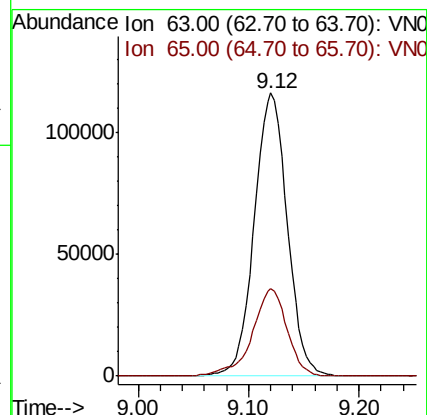
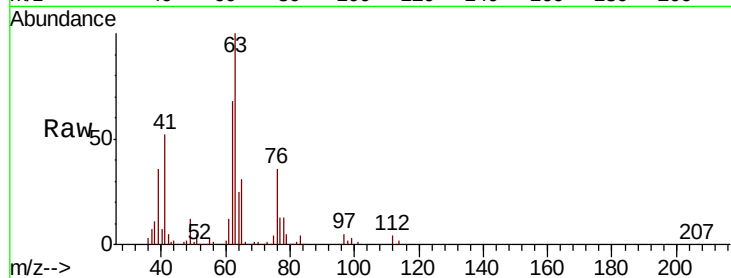
ClientSampled :

Tot Ion: 63 Resp: 242039

Ion Ratio Lower Upper

63 100

65 30.6 23.6 35.4



#40

Dibromomethane

Concen: 19.903 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

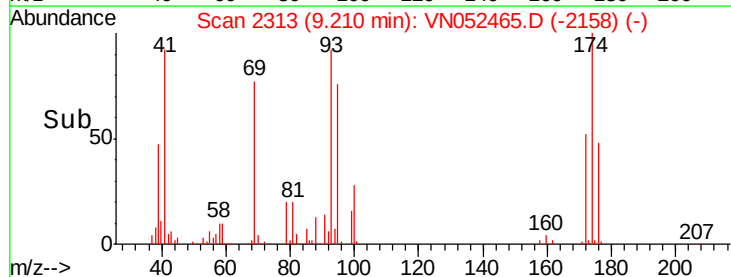
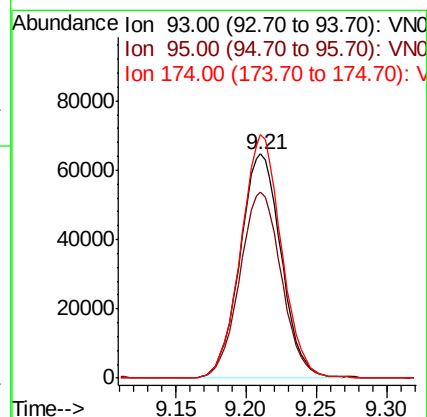
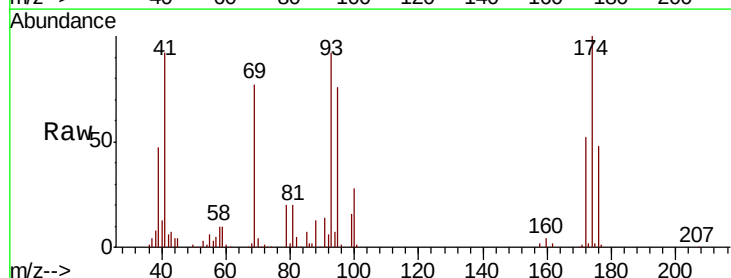
Tgt Ion: 93 Resp: 132391

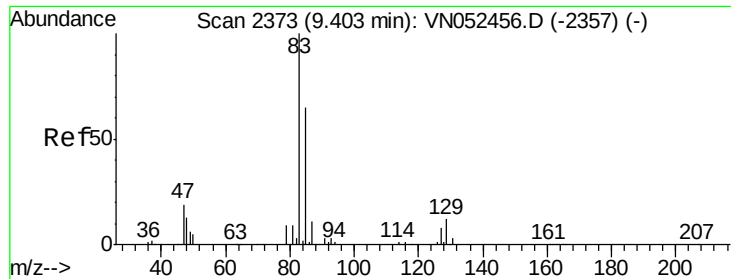
Ion Ratio Lower Upper

93 100

95 83.9 0.0 168.4

174 106.6 0.0 210.0

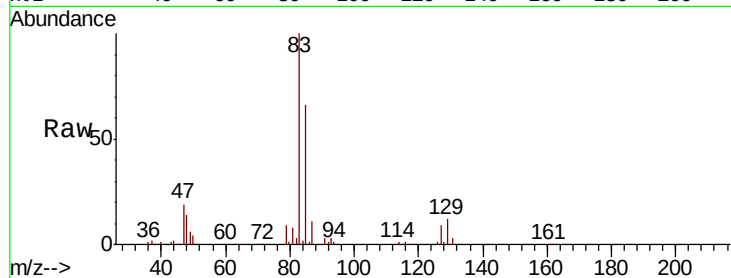




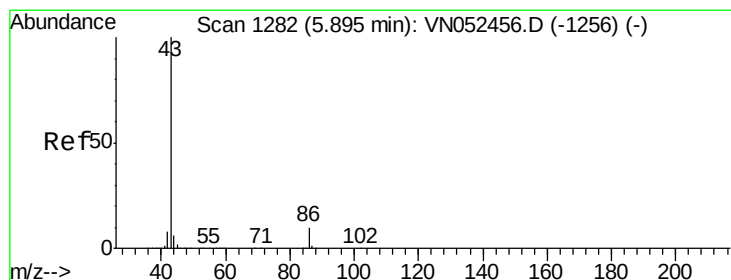
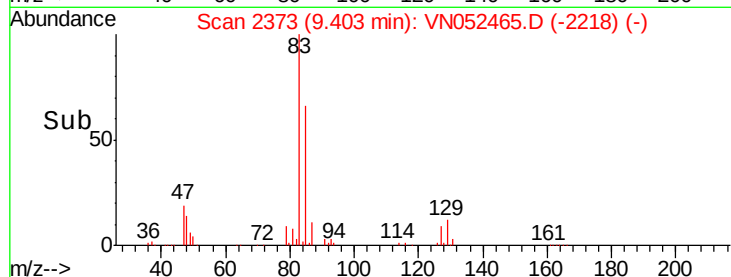
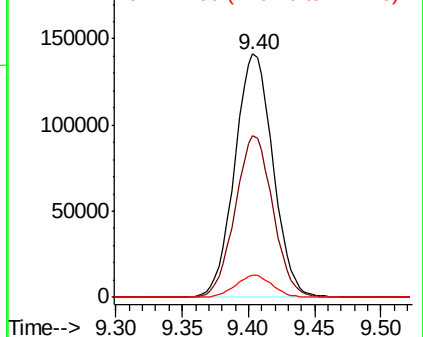
#41
 Bromodichloromethane
 Concen: 19.263 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 83 Resp: 283086
 Ion Ratio Lower Upper
 83 100
 85 66.5 52.4 78.6
 127 9.0 6.6 9.8

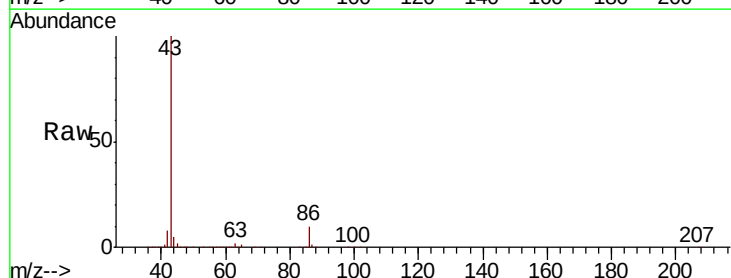


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): VN0

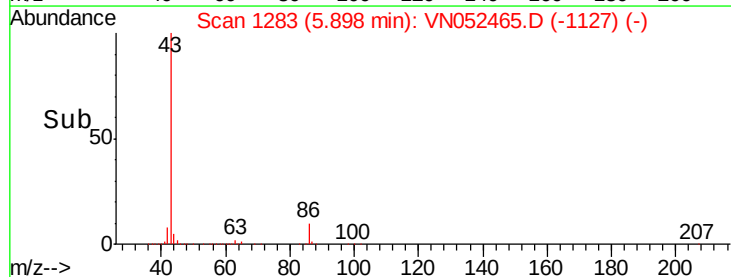
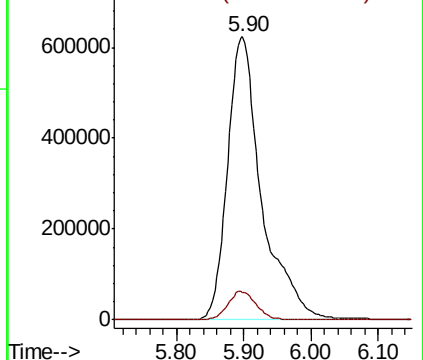


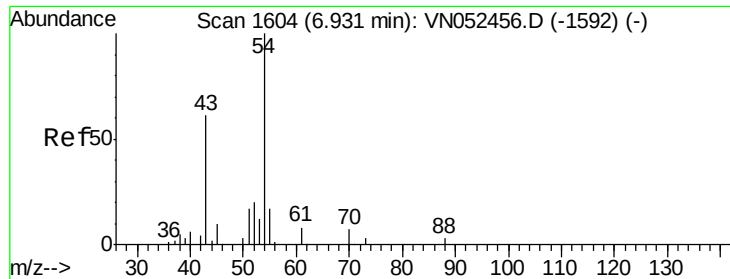
#42
 Vinyl Acetate
 Concen: 99.492 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 43 Resp: 2200022
 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

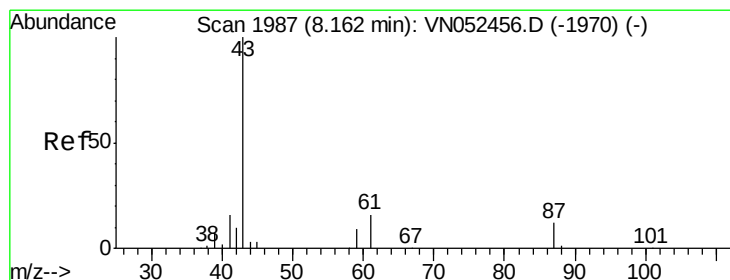
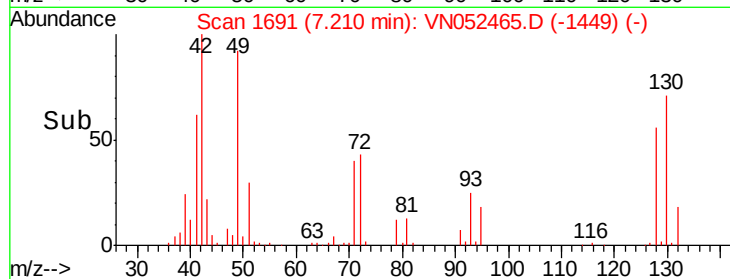
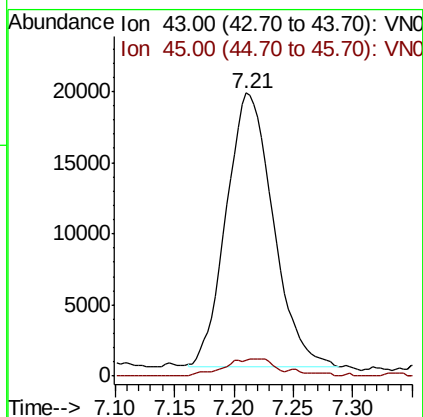
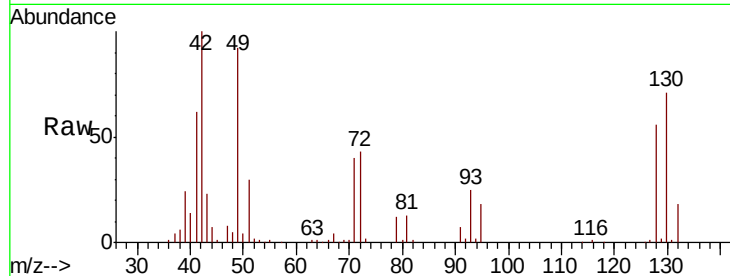




#43
Ethyl Acetate
Concen: 6.050 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.28 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

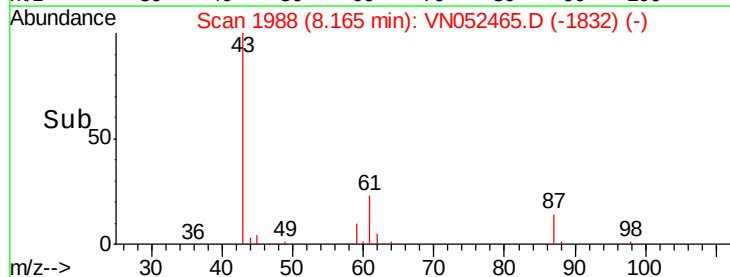
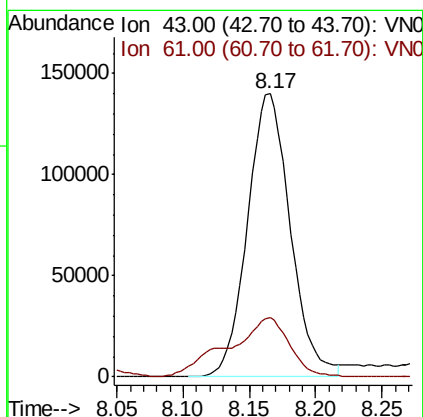
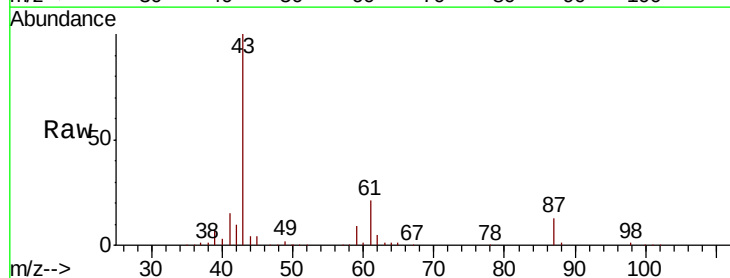
Instrument :
MSVOA_N
ClientSampled :

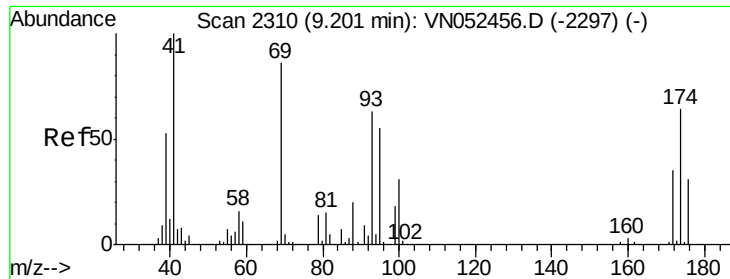
Tot Ion: 43 Resp: 52572
Ion Ratio Lower Upper
43 100
45 1.5 1.0 1.6



#44
Isopropyl Acetate
Concen: 20.568 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion: 43 Resp: 313485
Ion Ratio Lower Upper
43 100
61 18.3 16.0 24.0

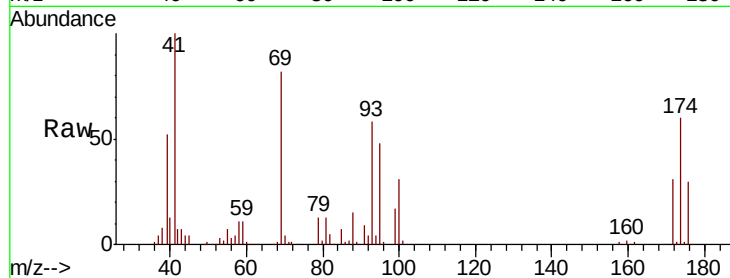




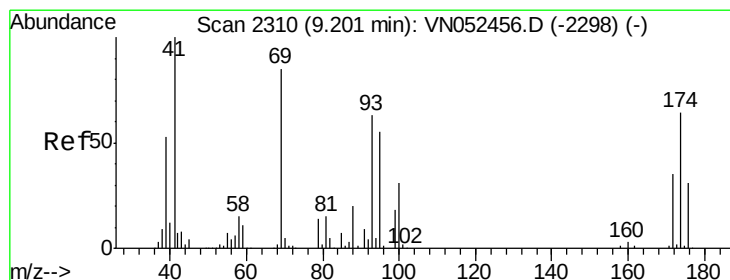
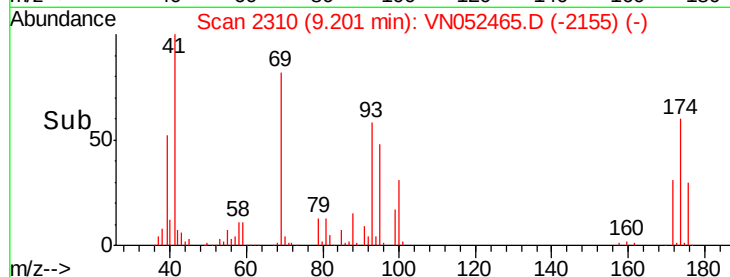
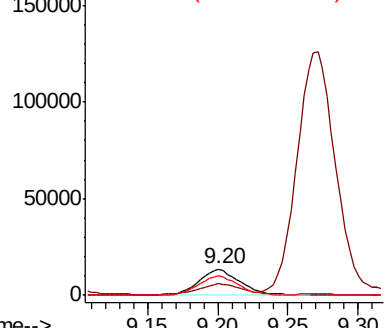
#45
 1,4-Dioxane
 Concen: 332.005 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 27682
 Ion Ratio Lower Upper
 88 100
 43 39.8 29.5 44.3
 58 70.8 61.5 92.3

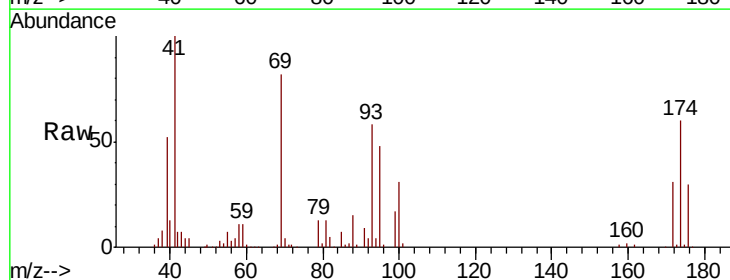


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

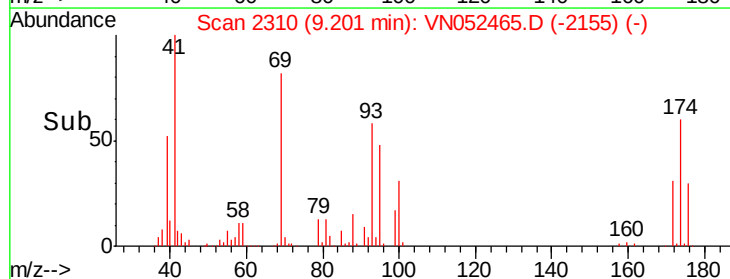
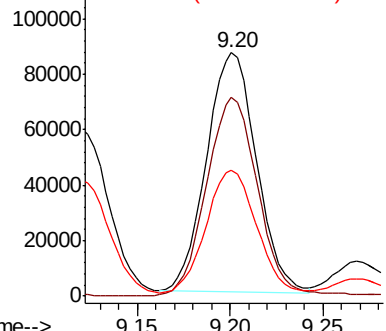


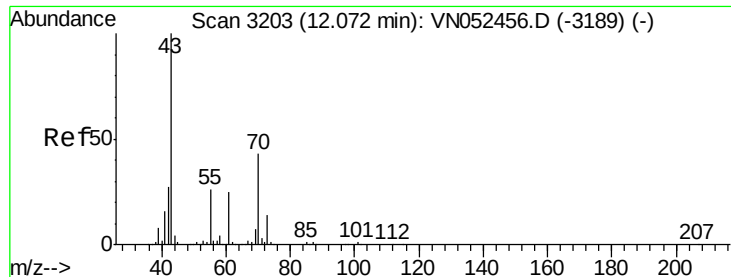
#46
 Methyl methacrylate
 Concen: 20.365 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 41 Resp: 161157
 Ion Ratio Lower Upper
 41 100
 69 83.1 42.5 127.6
 39 51.5 26.3 78.9



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: 19.205 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

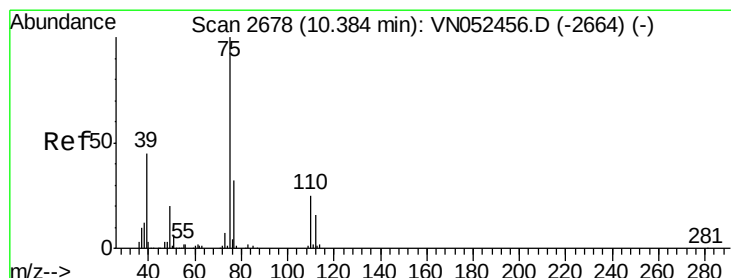
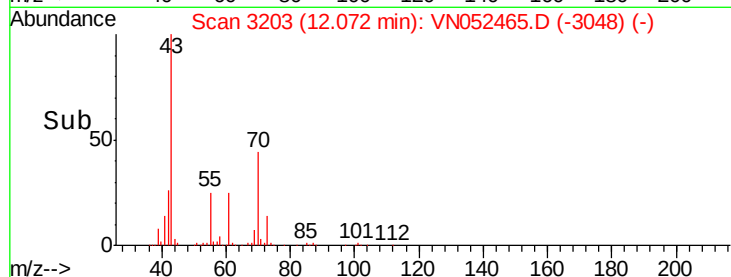
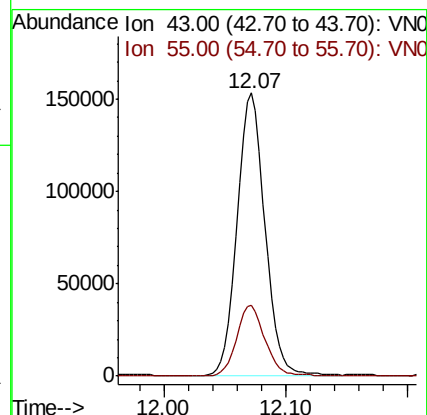
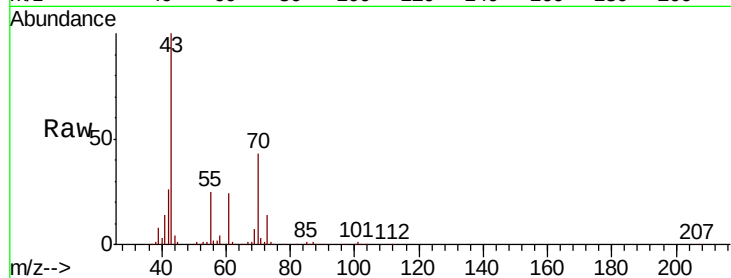
ClientSampled :

Tot Ion: 43 Resp: 242685

Ion Ratio Lower Upper

43 100

55 25.5 21.1 31.7



#48

t-1,3-Dichloropropene

Concen: 19.161 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN052465.D

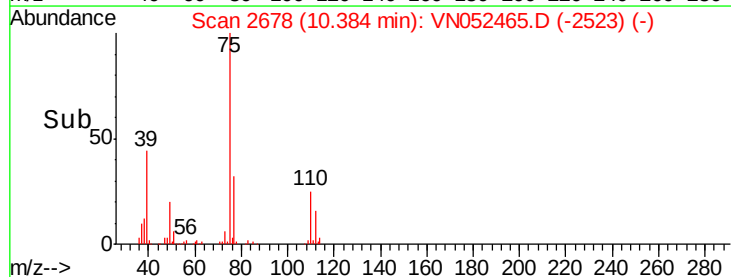
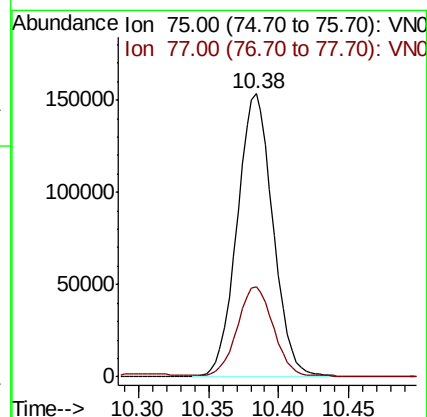
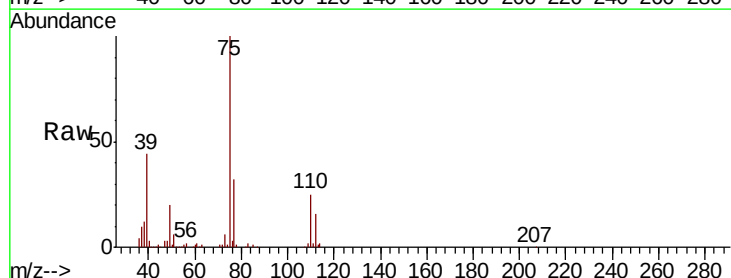
Acq: 26 Nov 2018 18:04

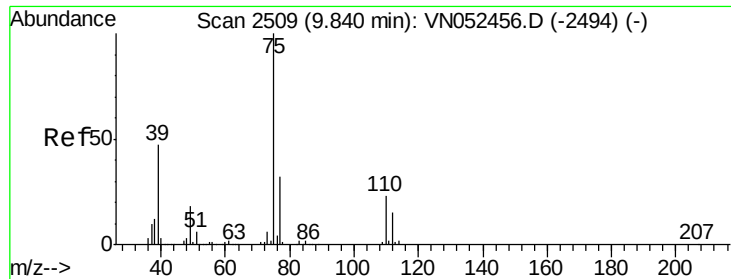
Tgt Ion: 75 Resp: 273040

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 19.343 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampled :

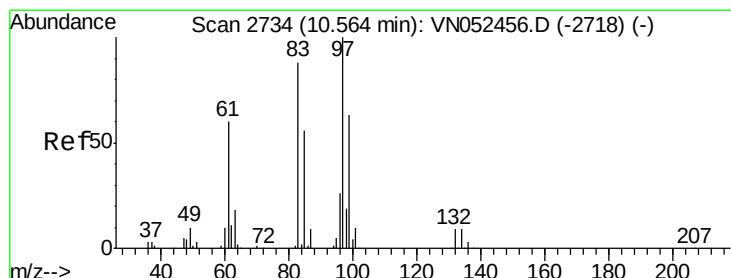
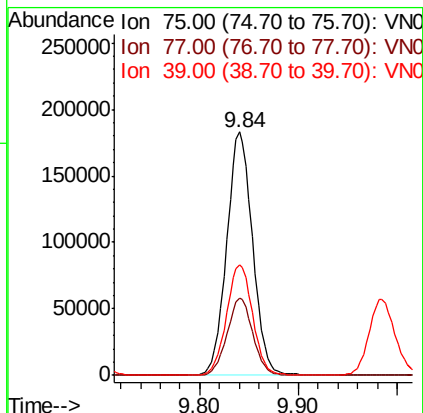
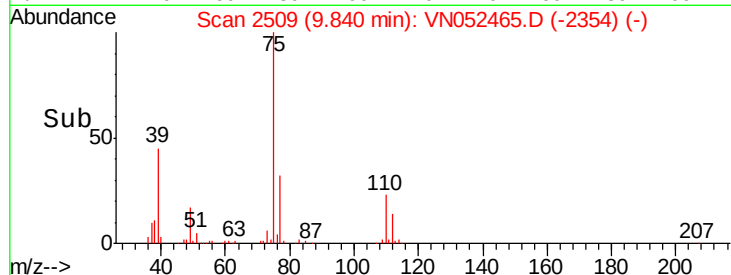
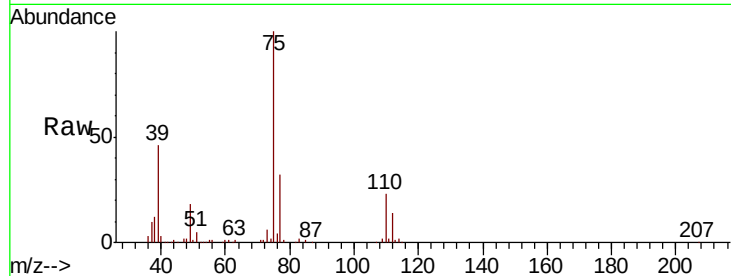
Tot Ion: 75 Resp: 335816

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 45.4 37.3 55.9



#50

1,1,2-Trichloroethane

Concen: 20.383 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion: 97 Resp: 192186

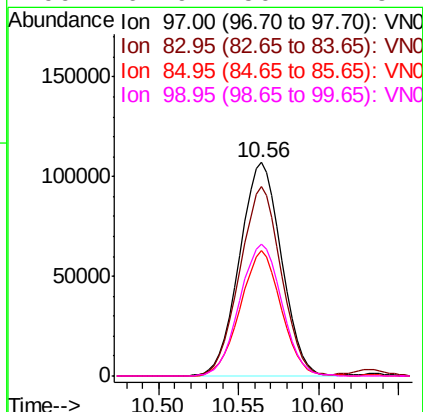
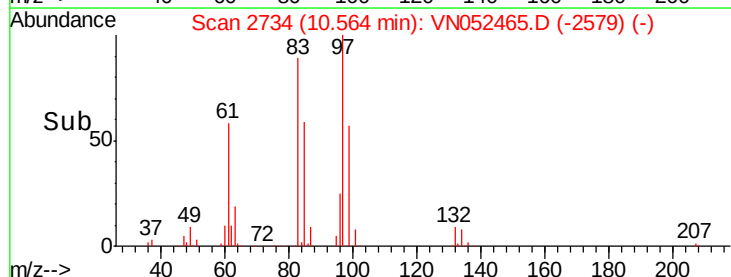
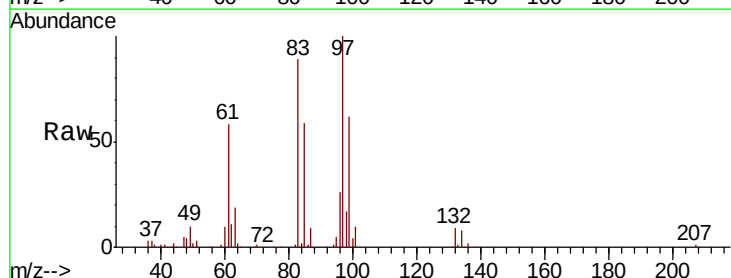
Ion Ratio Lower Upper

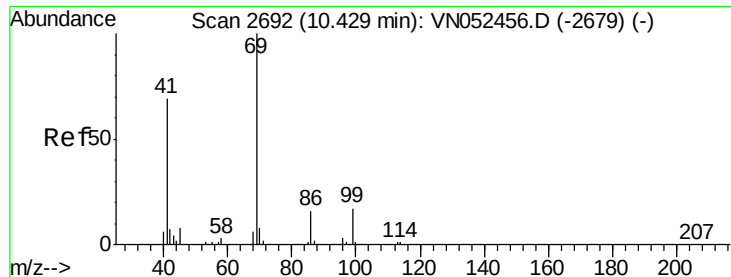
97 100

83 88.7 70.4 105.6

85 58.6 45.0 67.6

99 61.9 50.2 75.2





#51

Ethyl methacrylate

Concen: 19.636 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

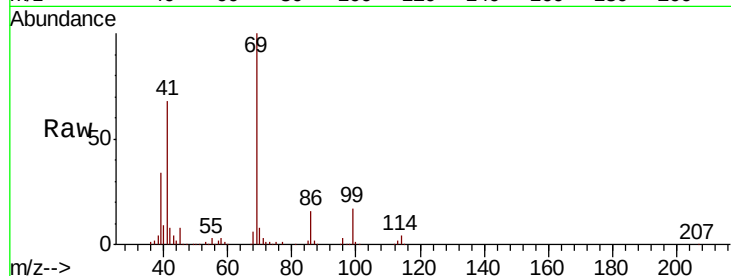
Tot Ion: 69 Resp: 232532

Ion Ratio Lower Upper

69 100

41 68.0 34.4 103.3

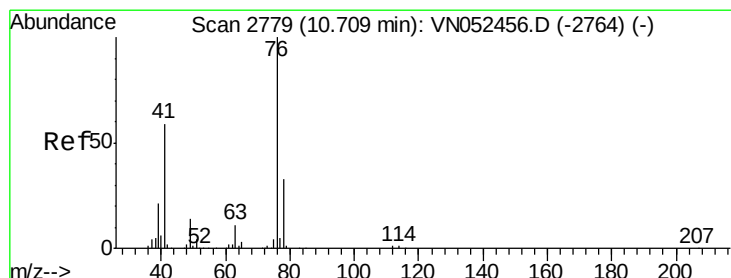
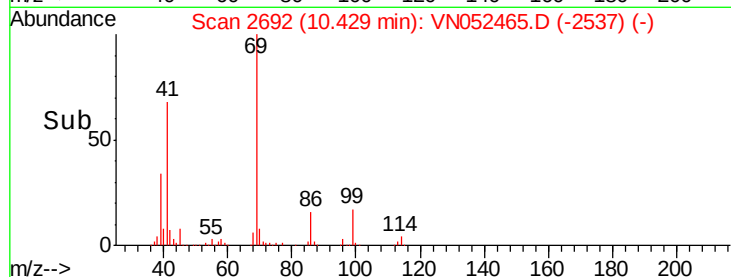
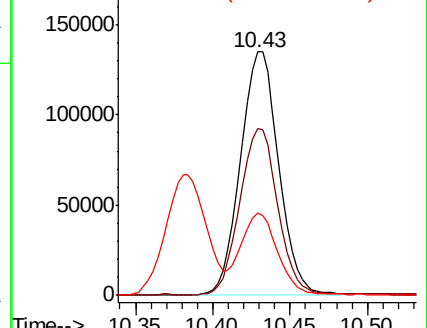
39 33.3 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.950 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052465.D

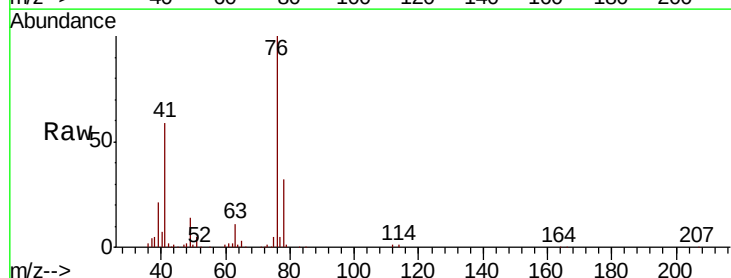
Acq: 26 Nov 2018 18:04

Tgt Ion: 76 Resp: 334818

Ion Ratio Lower Upper

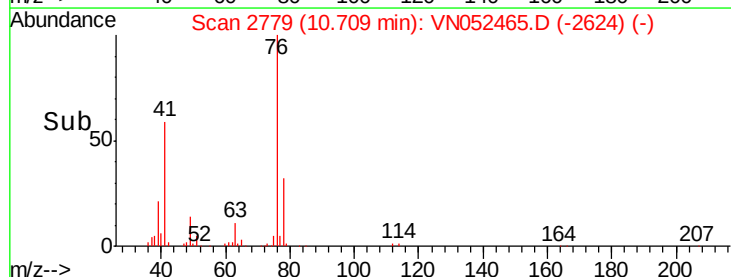
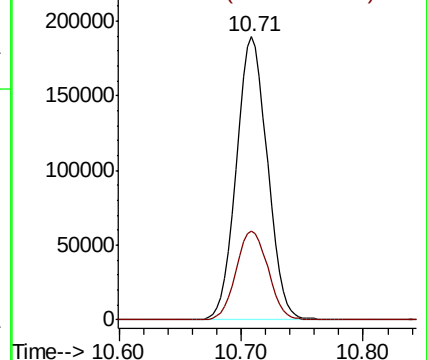
76 100

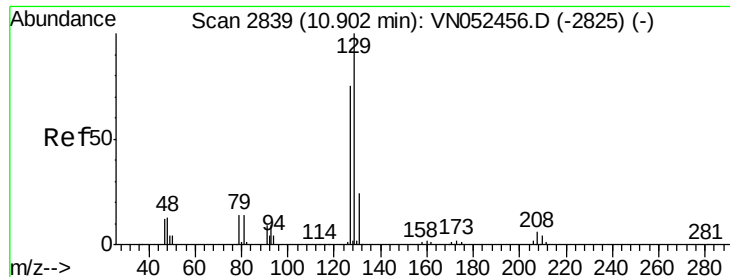
78 32.5 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.475 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

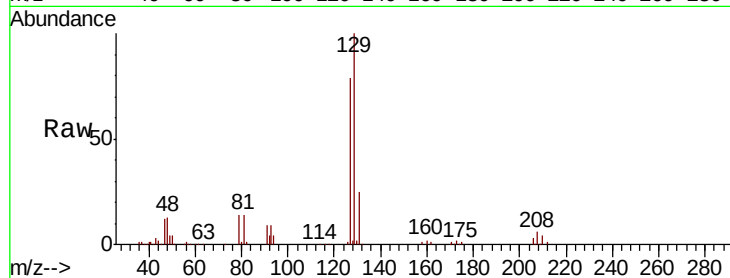
ClientSampleId :

Tot Ion:129 Resp: 202160

Ion Ratio Lower Upper

129 100

127 77.7 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

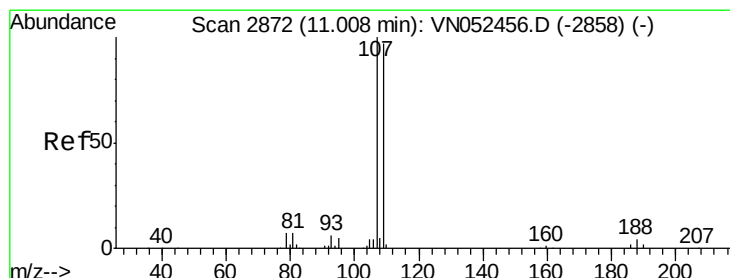
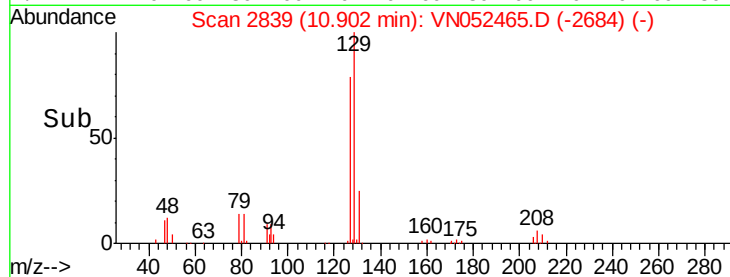
40000

20000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 20.241 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052465.D

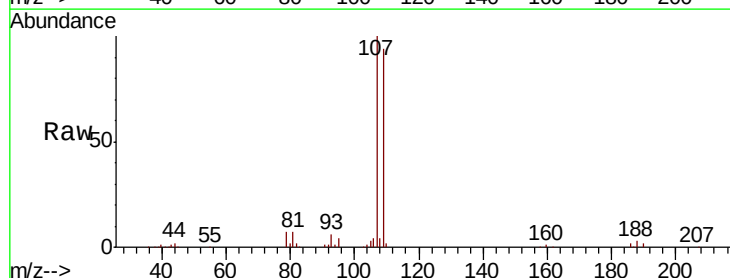
Acq: 26 Nov 2018 18:04

Tgt Ion:107 Resp: 186492

Ion Ratio Lower Upper

107 100

109 93.9 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

120000

100000

80000

60000

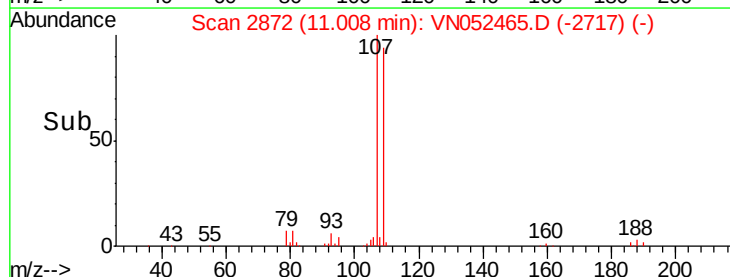
40000

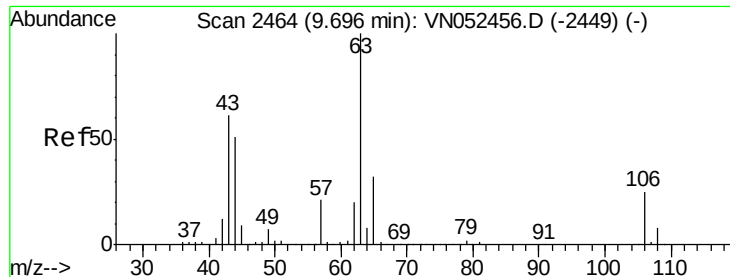
20000

0

11.00 11.10

Time-->

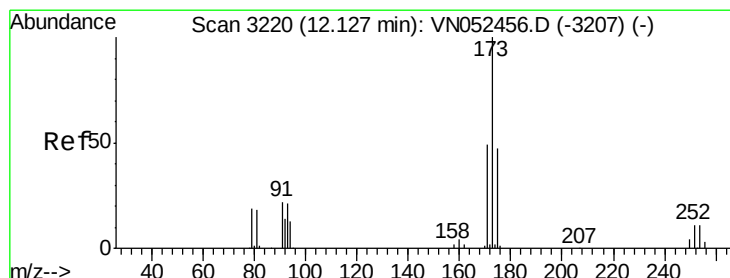
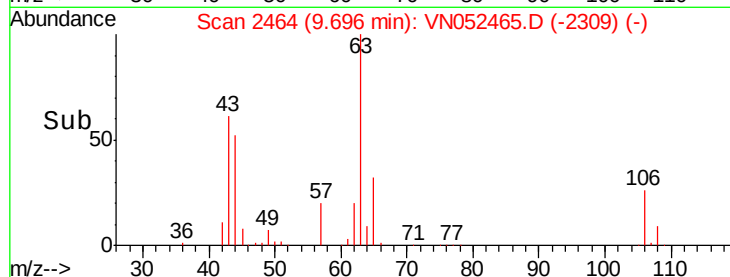
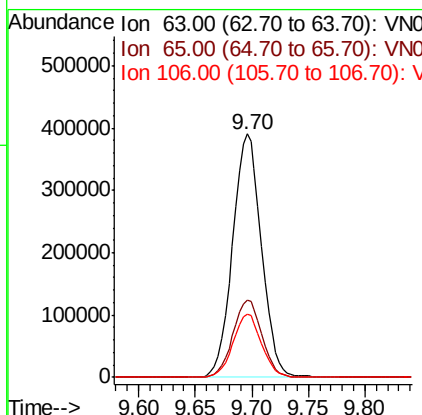
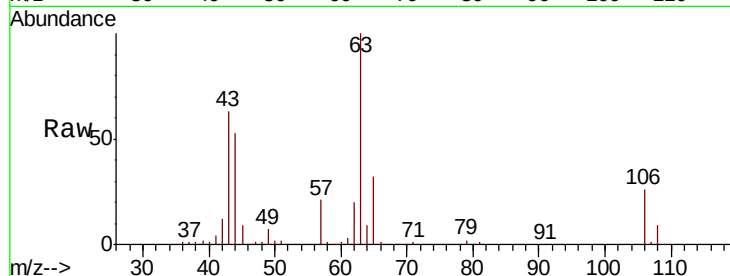




#55
2-Chloroethyl vinyl ether
Concen: 99.861 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

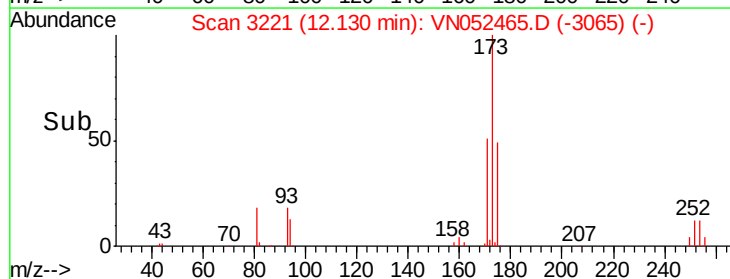
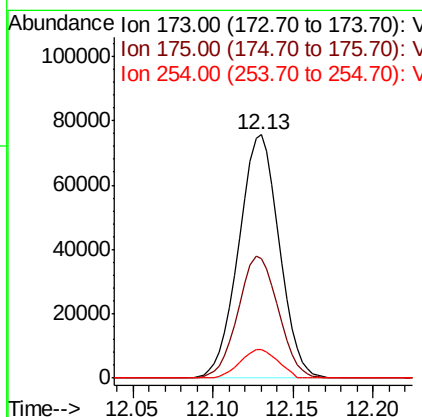
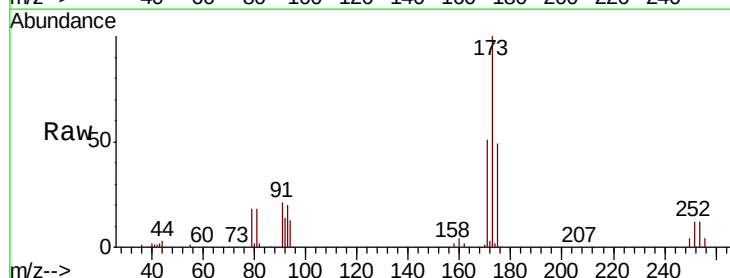
Instrument :
MSVOA_N
ClientSampled :

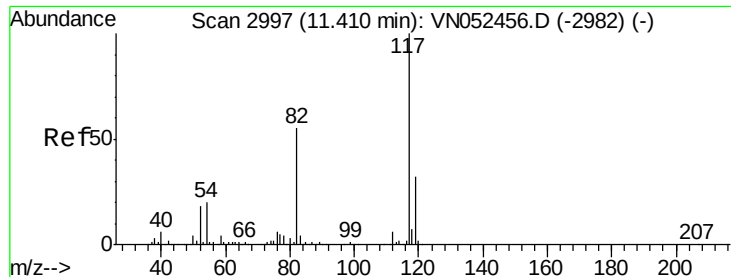
Tot Ion: 63 Resp: 692217
Ion Ratio Lower Upper
63 100
65 31.9 25.4 38.2
106 25.6 20.4 30.6



#56
Bromoform
Concen: 19.217 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion: 173 Resp: 130389
Ion Ratio Lower Upper
173 100
175 49.8 38.7 58.1
254 10.8 8.4 12.6

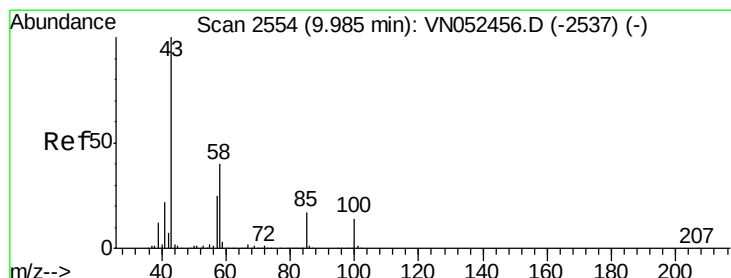
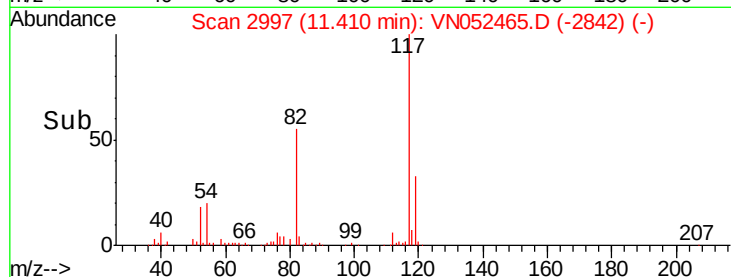
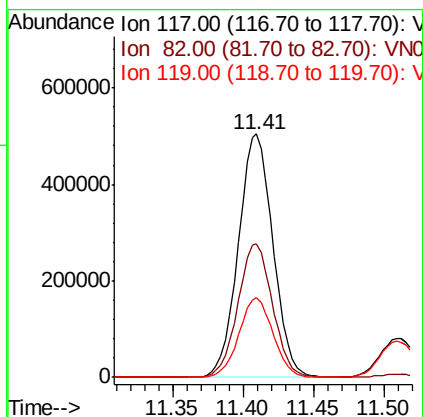
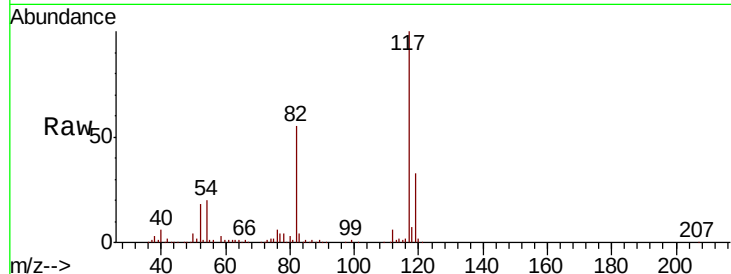




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

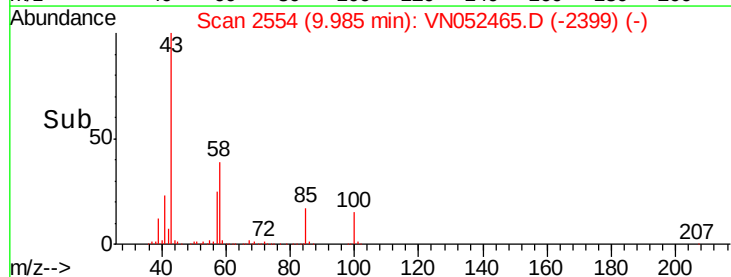
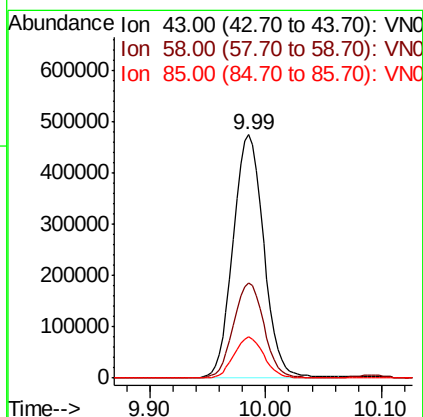
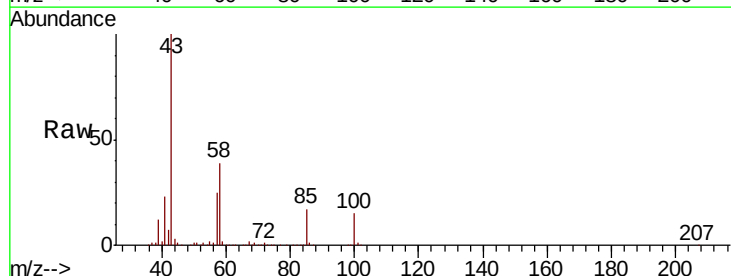
Instrument :
MSVOA_N
ClientSampleId :

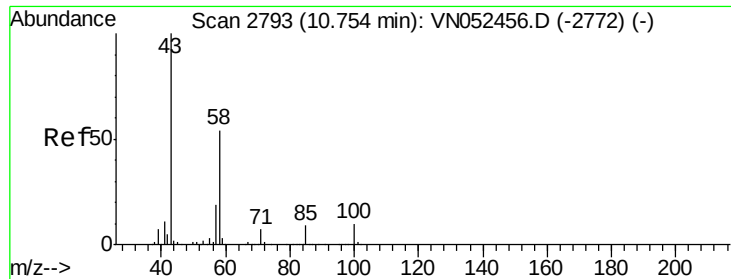
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	32.2	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 103.263 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.6	47.4
85	16.7	13.3	19.9

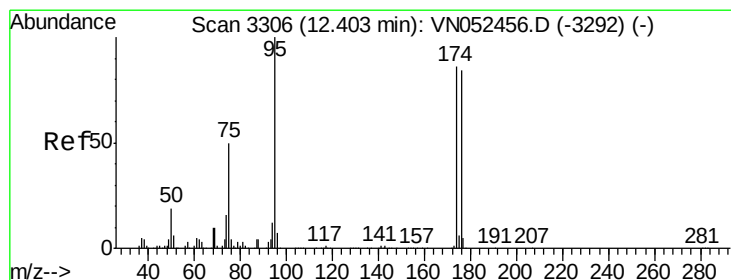
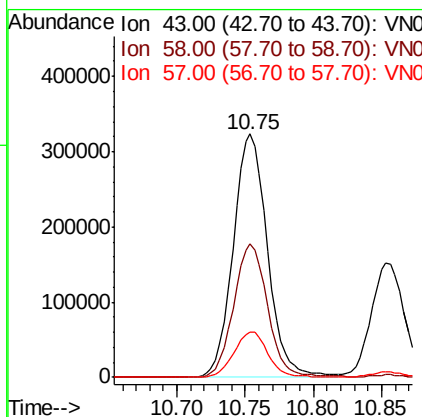
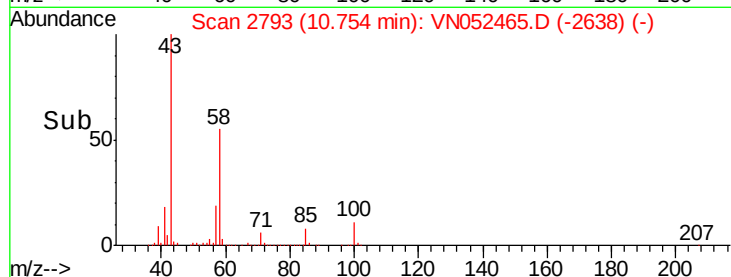
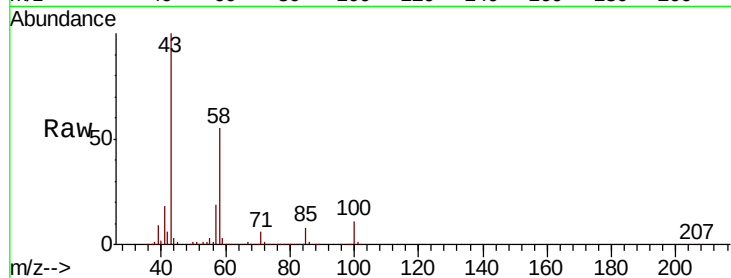




#59
2-Hexanone
Concen: 97.690 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

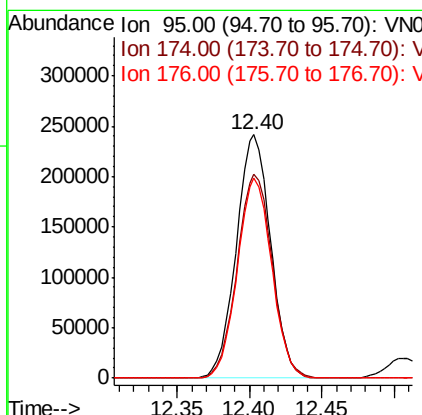
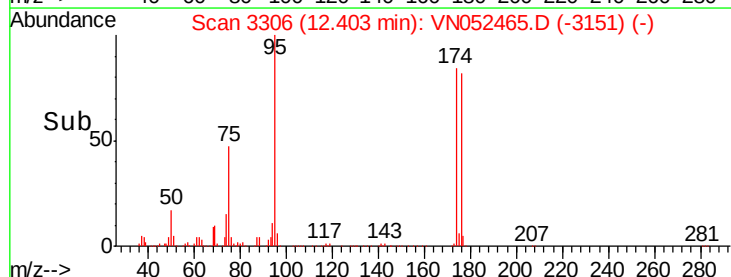
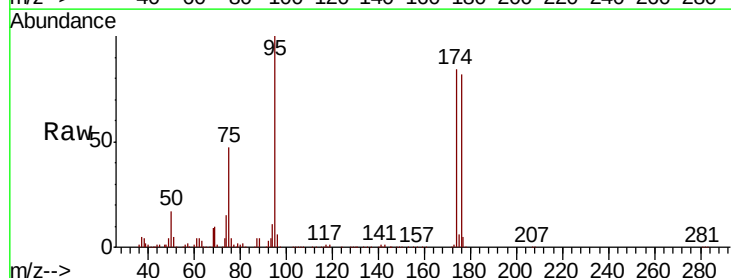
Instrument :
MSVOA_N
ClientSampleId :

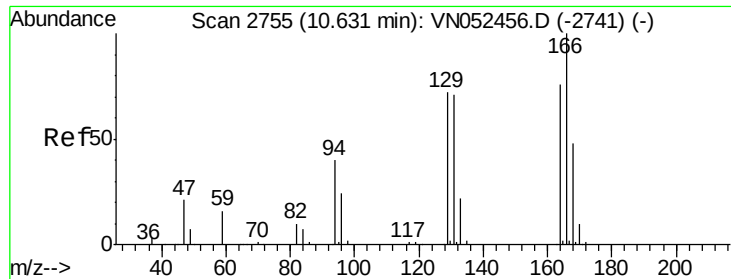
Tot Ion: 43 Resp: 561148
Ion Ratio Lower Upper
43 100
58 54.7 43.2 64.8
57 18.8 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 97.690 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion: 95 Resp: 397662
Ion Ratio Lower Upper
95 100
174 85.9 67.9 101.9
176 82.2 66.4 99.6





#61

Tetrachloroethene

Concen: 19.917 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 212760

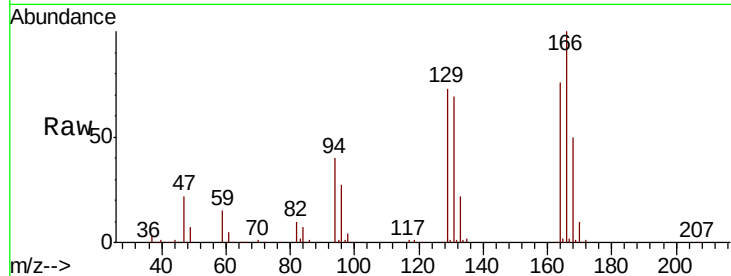
Ion Ratio Lower Upper

164 100

166 131.1 104.6 157.0

129 95.4 75.3 112.9

131 90.7 74.3 111.5

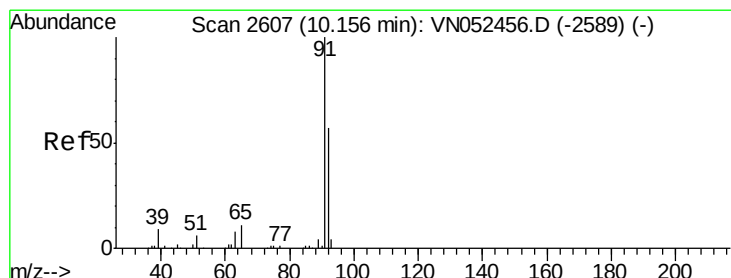
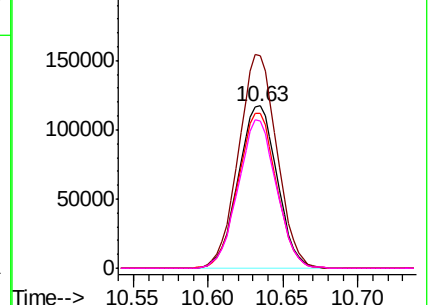
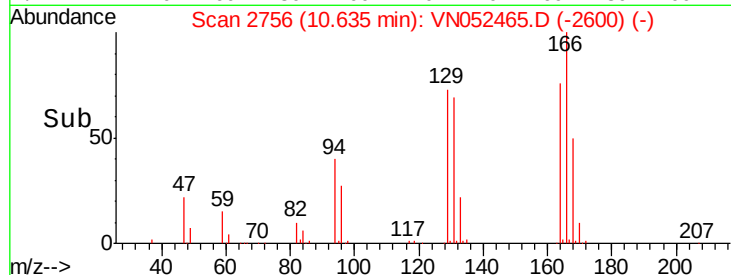


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.972 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052465.D

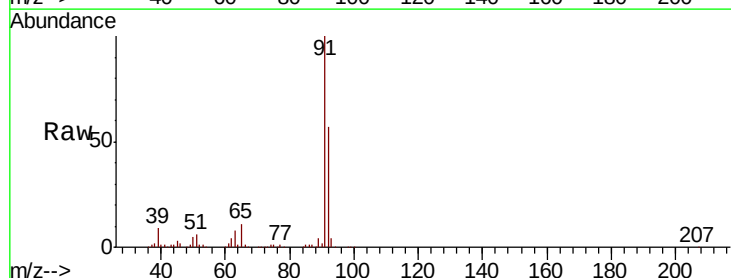
Acq: 26 Nov 2018 18:04

Tgt Ion: 91 Resp: 954942

Ion Ratio Lower Upper

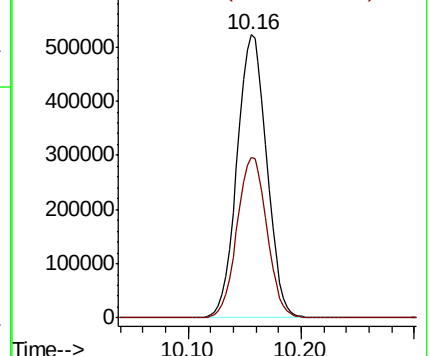
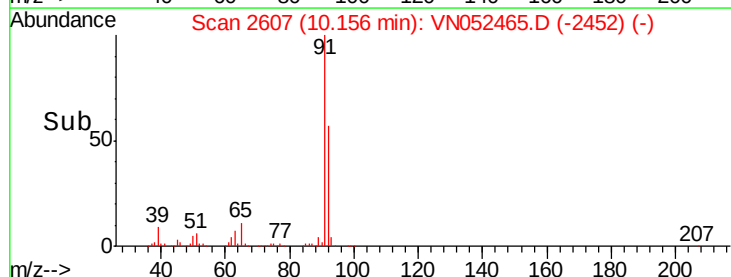
91 100

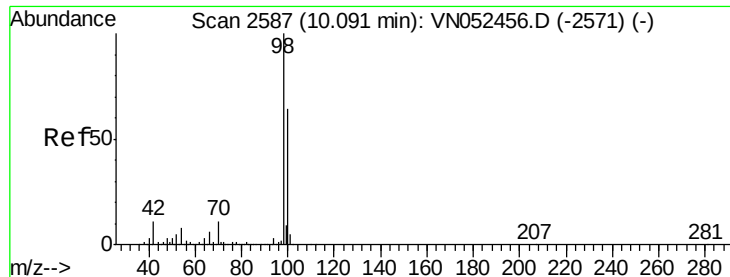
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.972 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

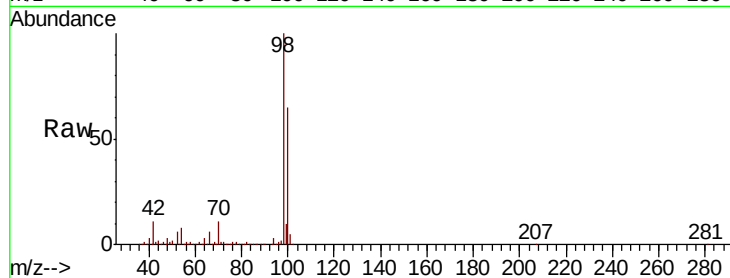
ClientSampleId :

Tot Ion: 98 Resp: 1211046

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)

10.09

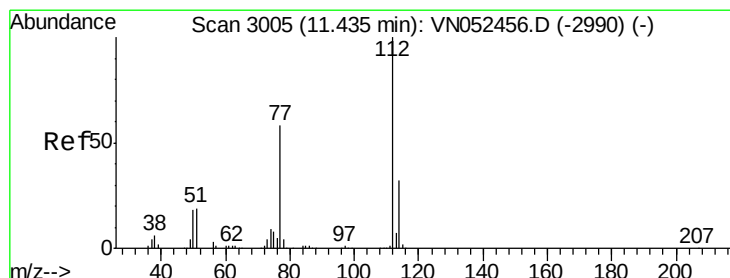
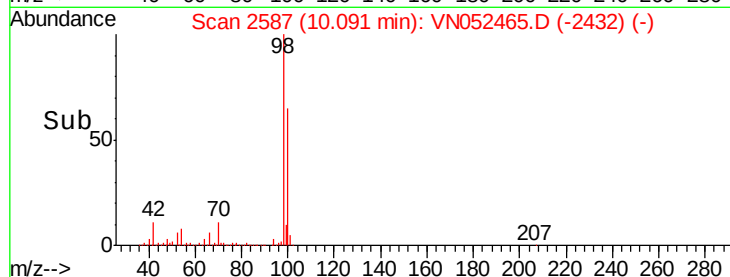
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 20.028 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN052465.D

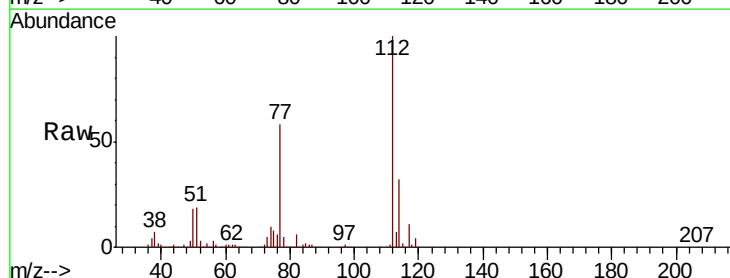
Acq: 26 Nov 2018 18:04

Tgt Ion: 112 Resp: 584512

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)

11.44

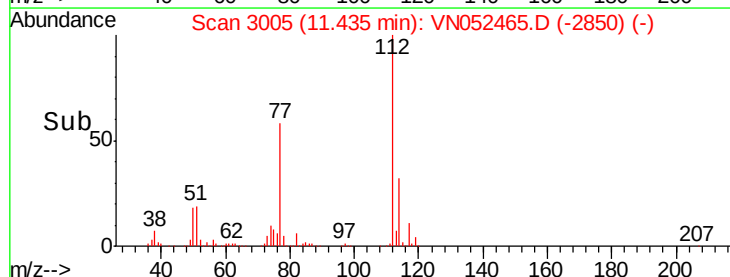
300000

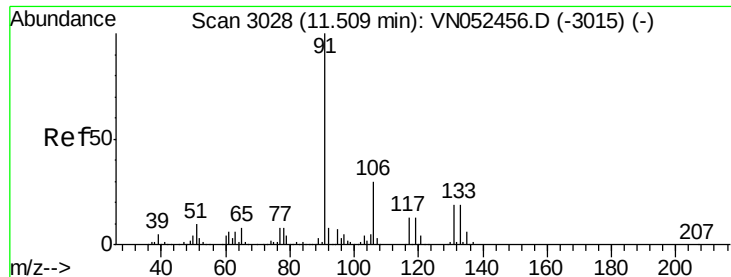
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.780 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

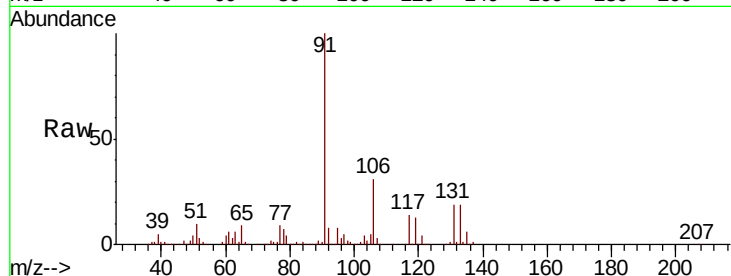
Tot Ion:131 Resp: 200377

Ion Ratio Lower Upper

131 100

133 95.5 0.0 193.4

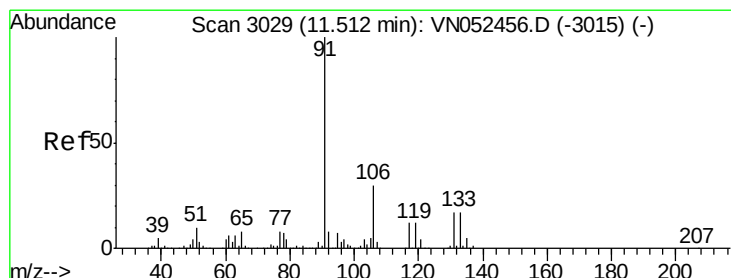
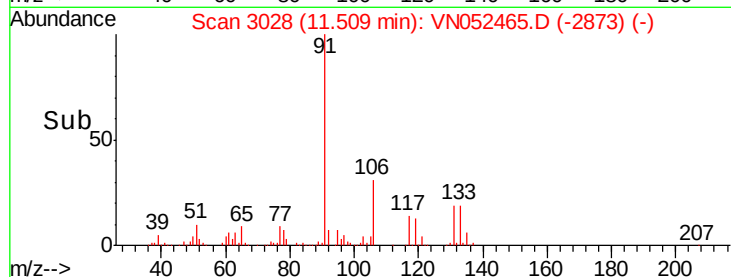
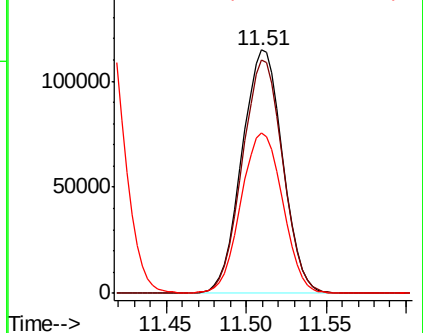
119 66.9 0.0 133.0



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: 19.716 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052465.D

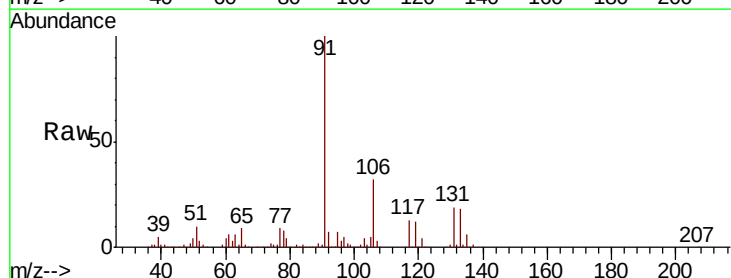
Acq: 26 Nov 2018 18:04

Tgt Ion: 91 Resp: 1016043

Ion Ratio Lower Upper

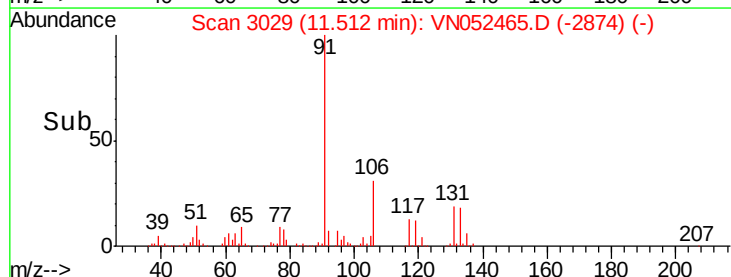
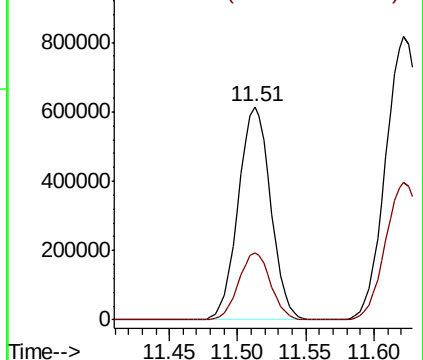
91 100

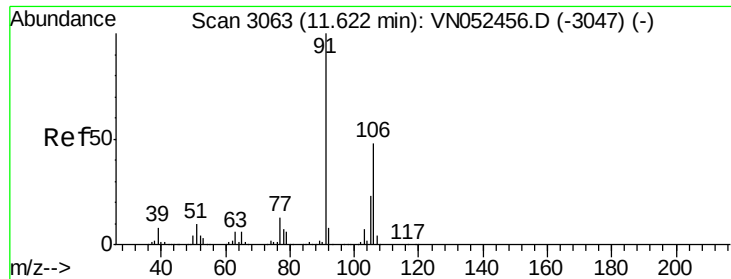
106 31.5 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

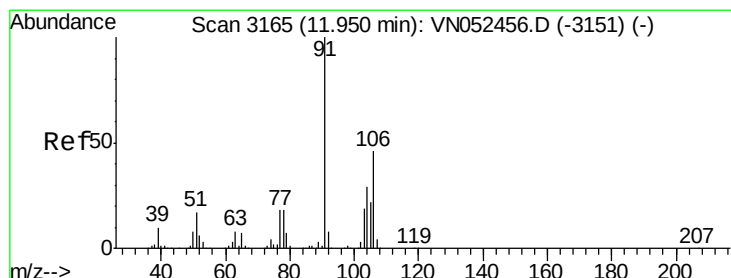
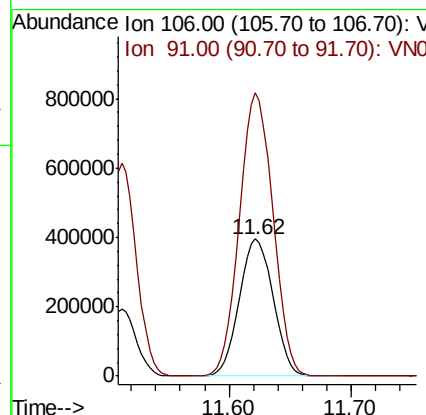
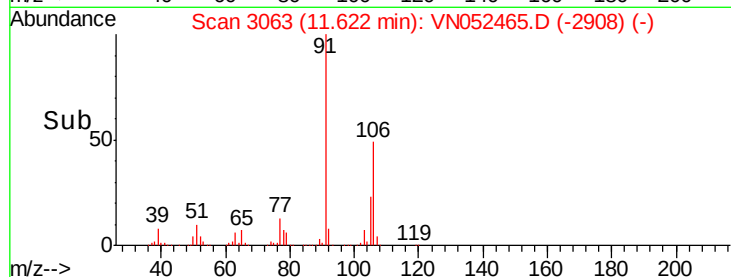
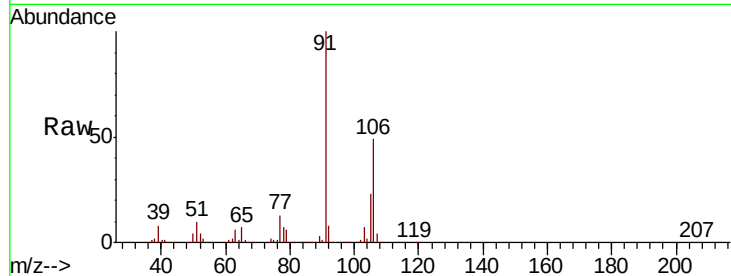




#67
m/p-Xylenes
Concen: 39.583 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

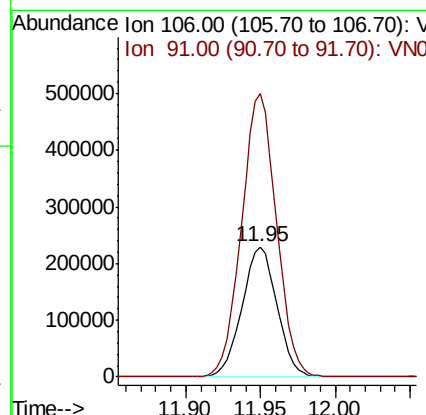
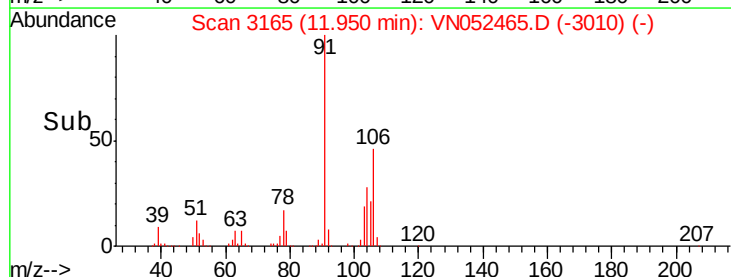
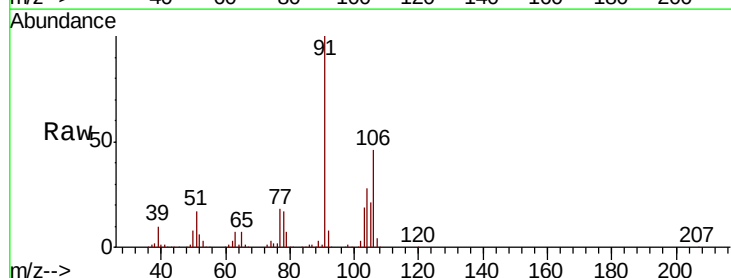
Instrument :
MSVOA_N
ClientSampleId :

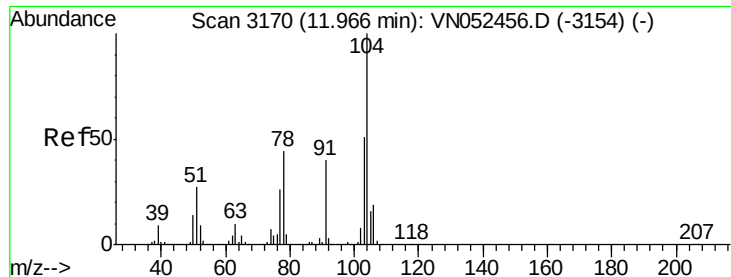
Tot Ion:106 Resp: 759950
Ion Ratio Lower Upper
106 100
91 204.5 163.9 245.9



#68
o-Xylene
Concen: 19.989 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion:106 Resp: 372484
Ion Ratio Lower Upper
106 100
91 217.0 107.8 323.4

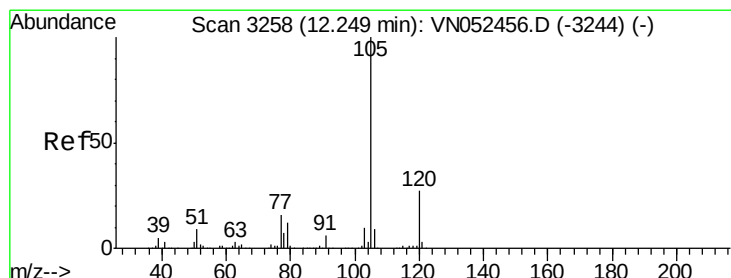
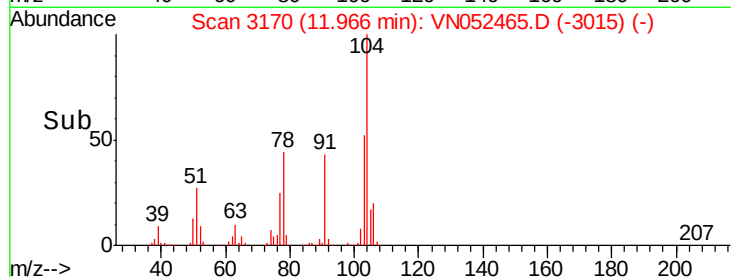
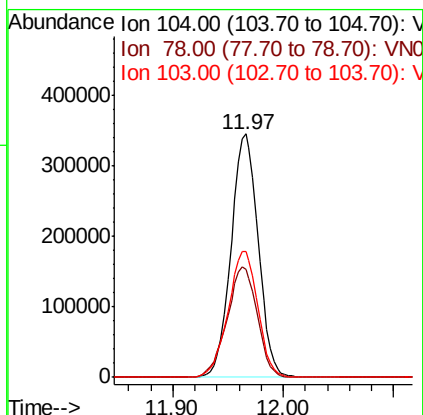
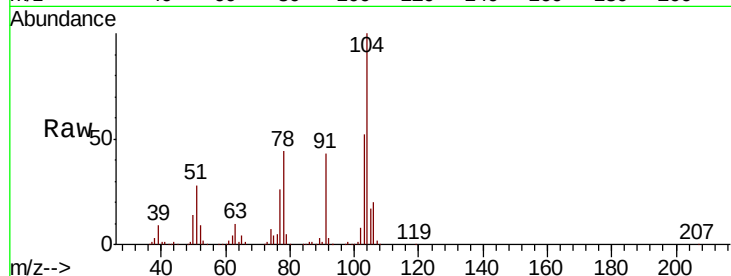




#69
Stvrene
Concen: 19.604 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

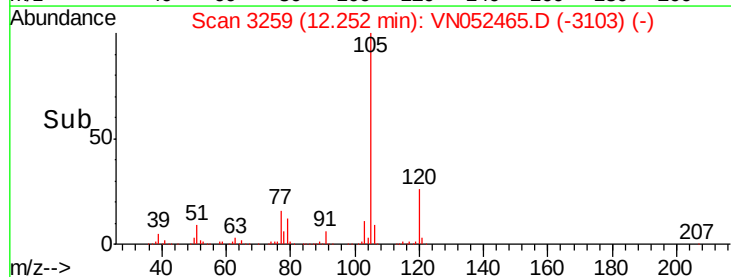
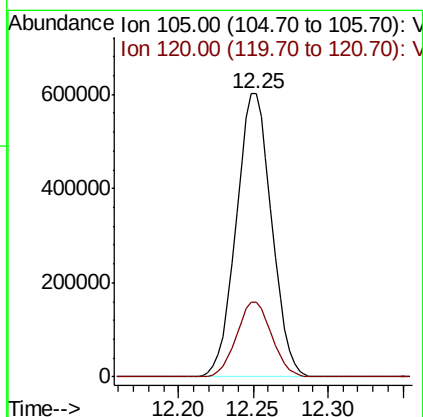
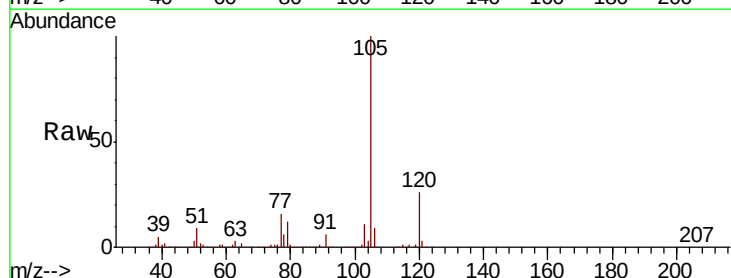
Instrument :
MSVOA_N
ClientSampleId :

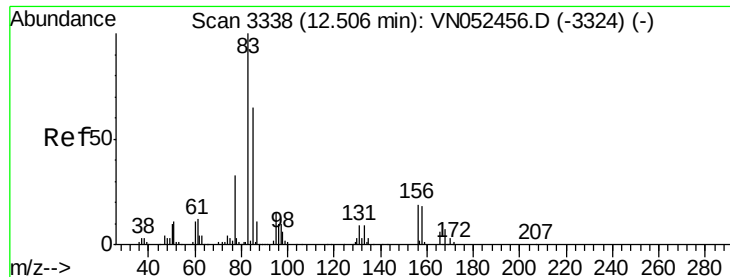
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.3	58.9
103	56.4	44.6	66.8



#70
Isopropylbenzene
Concen: 19.969 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.6	34.6

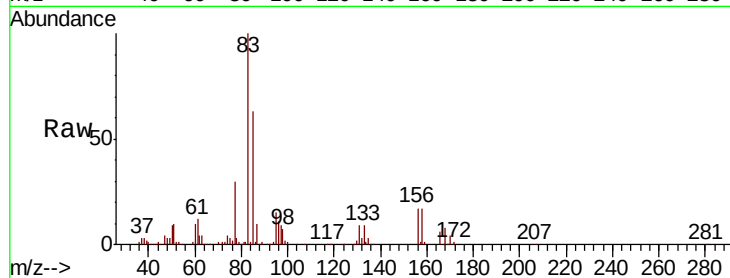




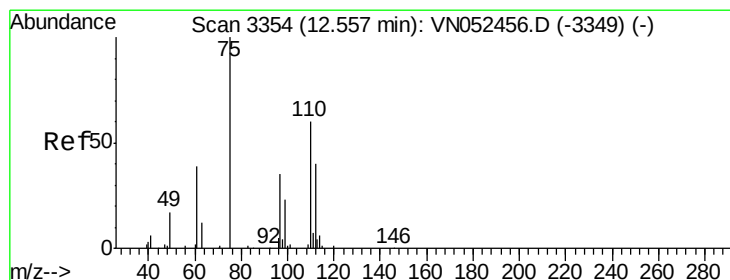
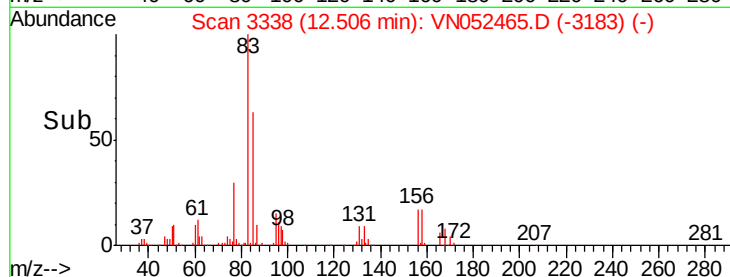
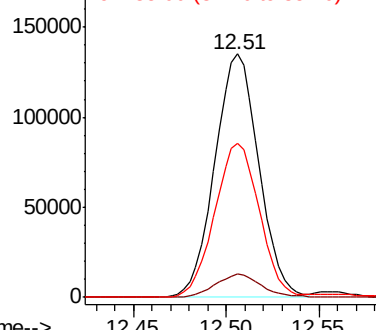
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.674 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	83	Resp	222972
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	4.9	14.6
85	64.2	32.2	96.6

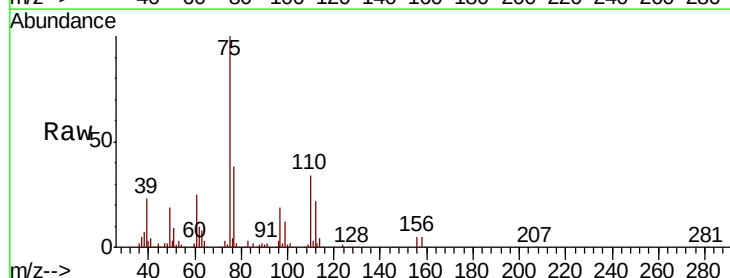


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

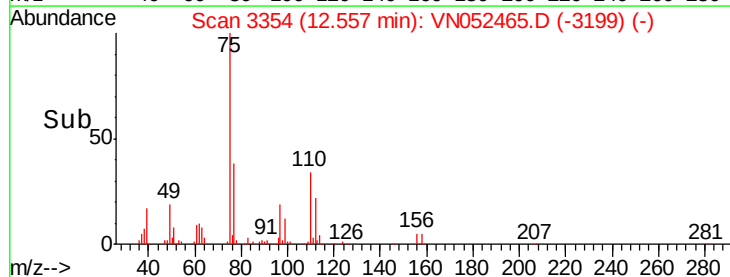
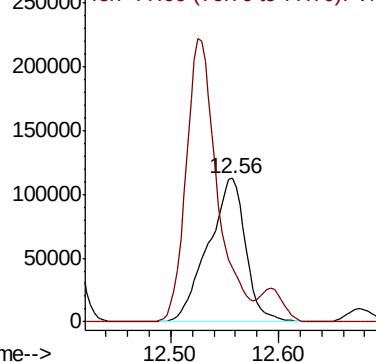


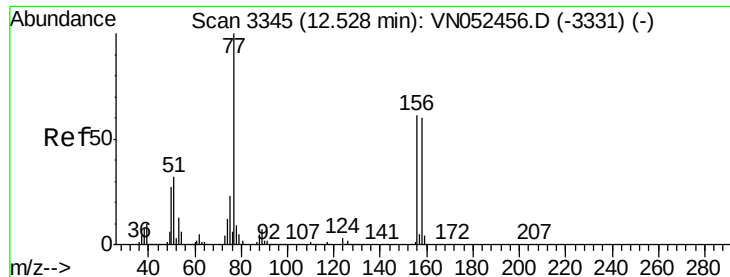
#72
 1,2,3-Trichloropropane
 Concen: 29.229 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	75	Resp	270617
Ion Ratio	100	Lower	Upper
75	100		
77	164.7	0.0	514.8



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.886 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

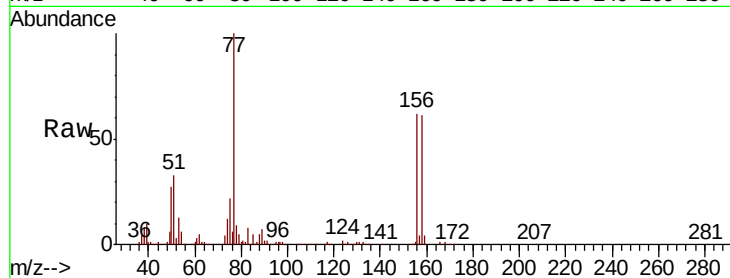
Tot Ion:156 Resp: 238463

Ion Ratio Lower Upper

156 100

77 186.9 0.0 382.6

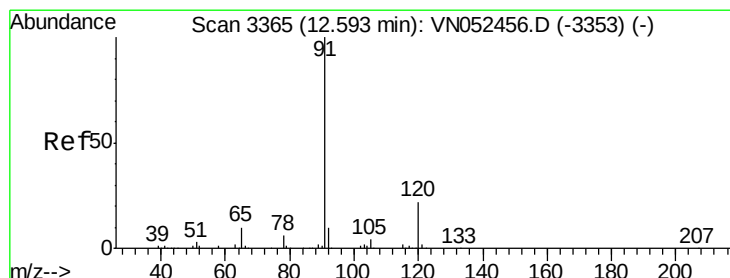
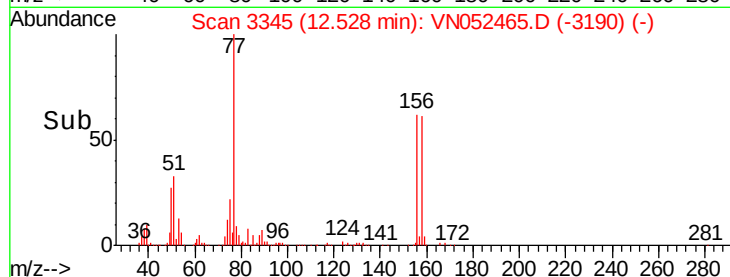
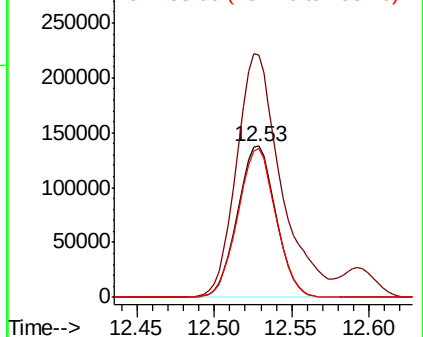
158 97.5 0.0 196.8



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: 19.524 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052465.D

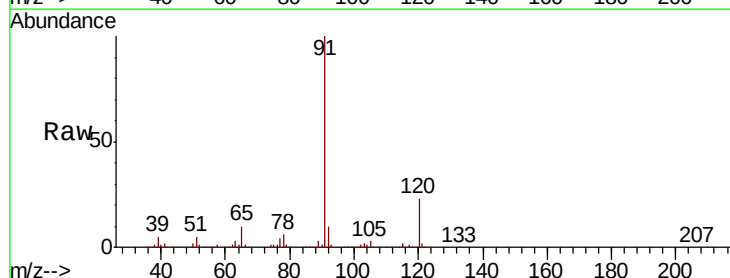
Acq: 26 Nov 2018 18:04

Tgt Ion: 91 Resp: 1127851

Ion Ratio Lower Upper

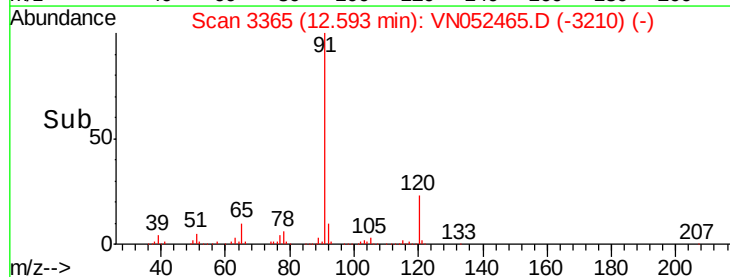
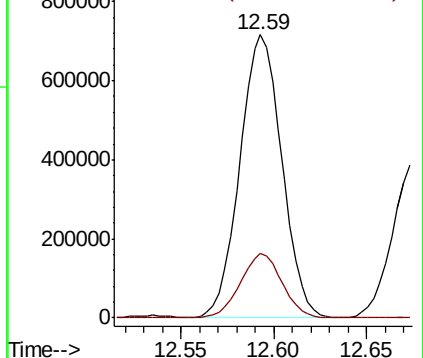
91 100

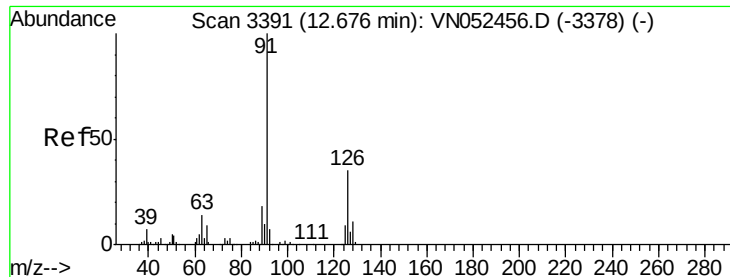
120 22.6 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.988 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

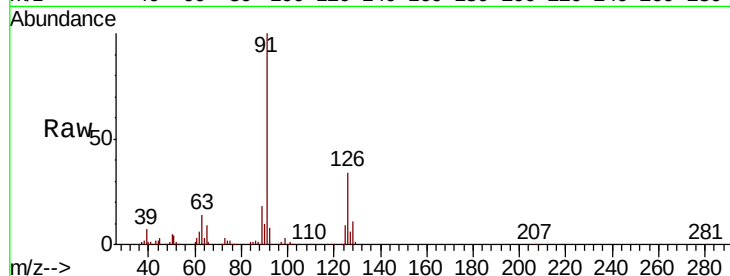
ClientSampleId :

Tot Ion: 91 Resp: 670219

Ion Ratio Lower Upper

91 100

126 34.1 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN052465.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052465.D (-3378) (-)

800000

600000

400000

200000

0

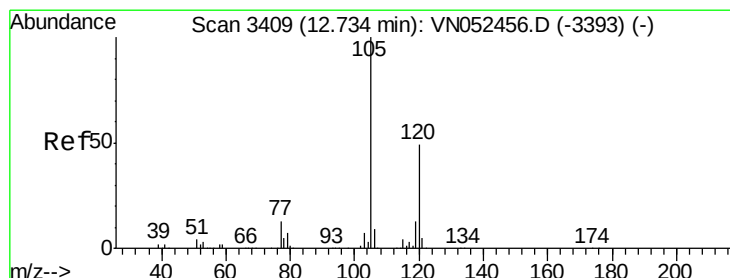
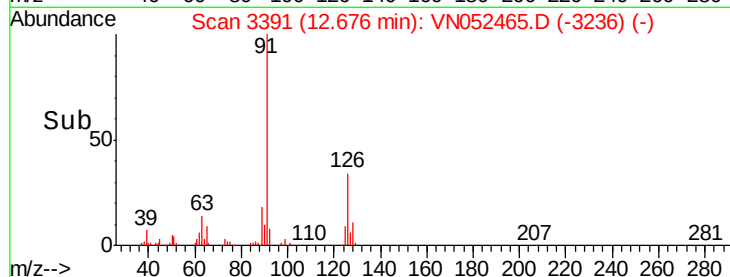
12.68

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.926 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052465.D

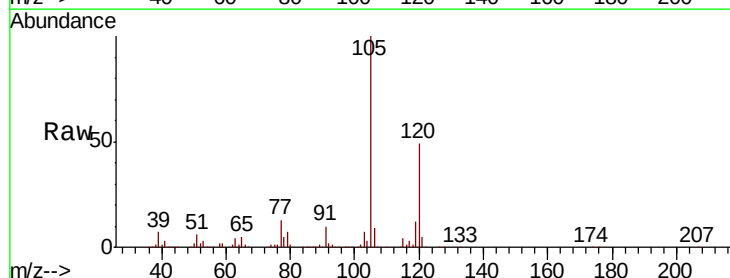
Acq: 26 Nov 2018 18:04

Tgt Ion: 105 Resp: 797974

Ion Ratio Lower Upper

105 100

120 49.4 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052465.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052465.D (-3393) (-)

600000

500000

400000

300000

200000

100000

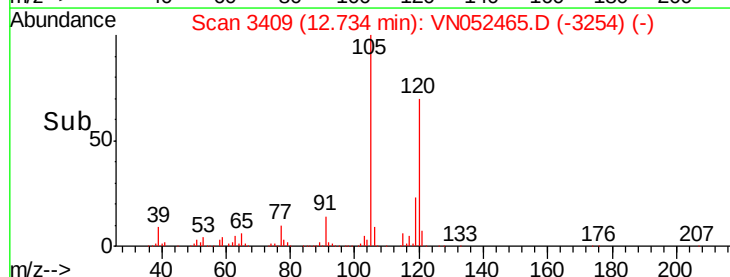
0

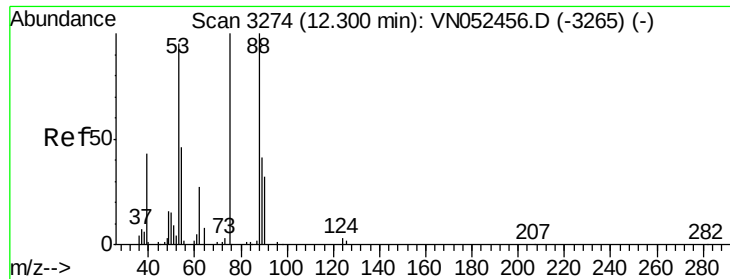
12.73

12.70

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.824 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

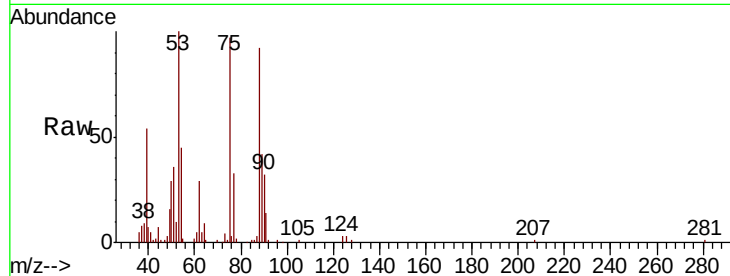
Tot Ion: 75 Resp: 55055

Ion Ratio Lower Upper

75 100

53 102.2 48.5 145.6

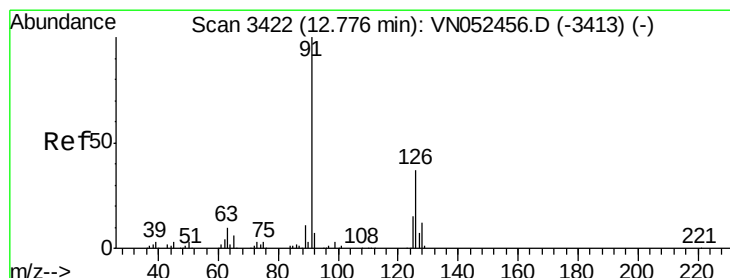
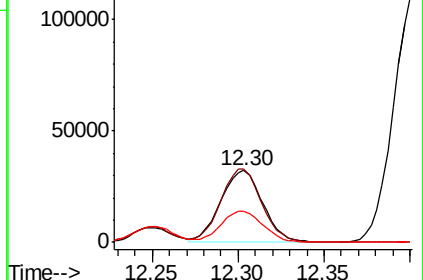
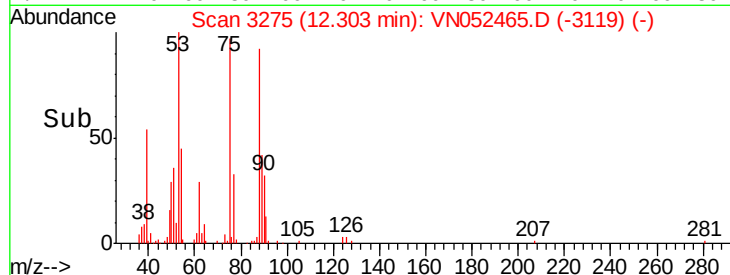
89 42.9 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.449 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN052465.D

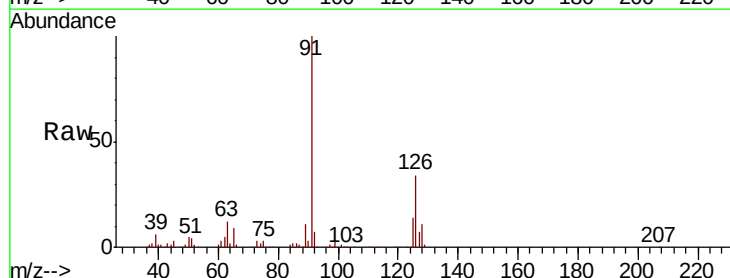
Acq: 26 Nov 2018 18:04

Tgt Ion: 91 Resp: 651248

Ion Ratio Lower Upper

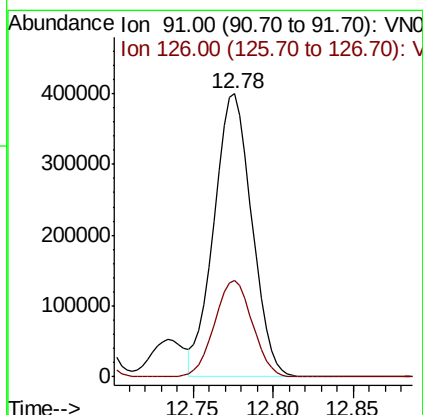
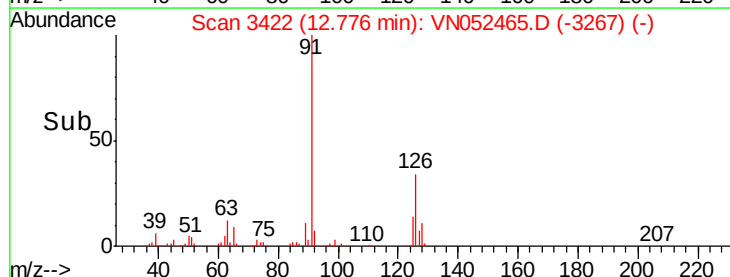
91 100

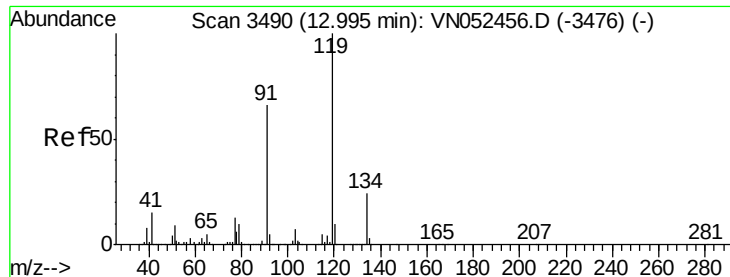
126 34.0 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

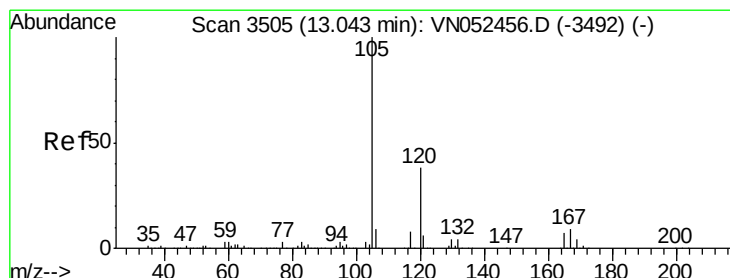
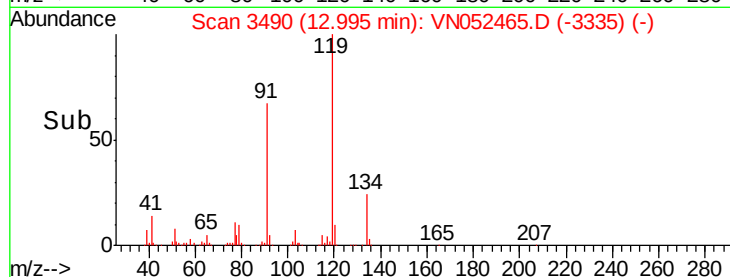
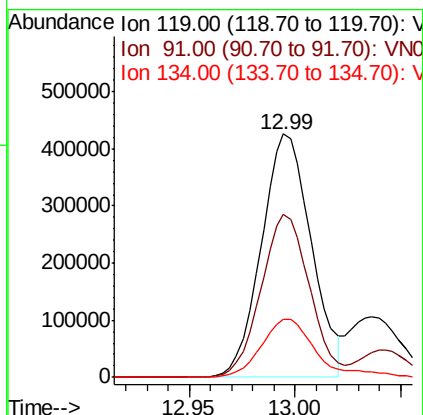
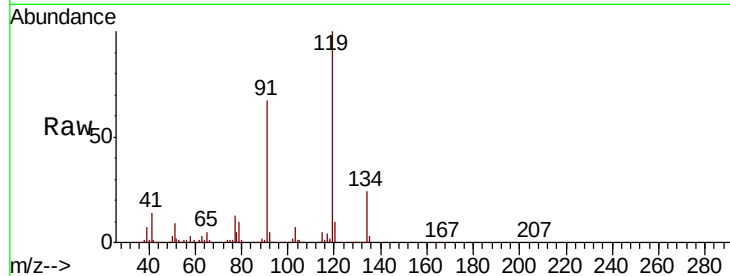




#79
tert-butylbenzene
Concen: 20.105 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

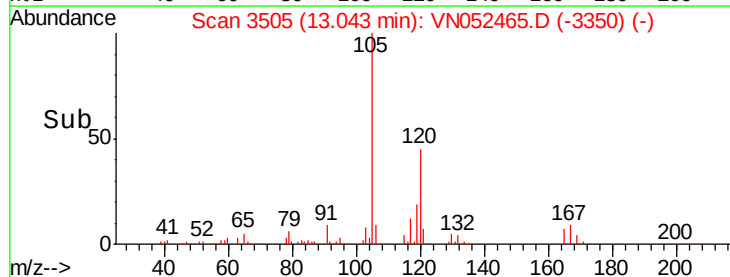
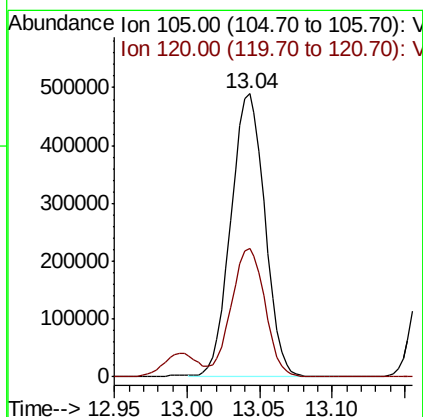
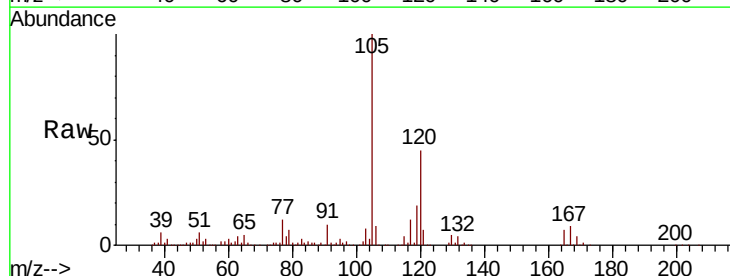
Instrument :
MSVOA_N
ClientSampleId :

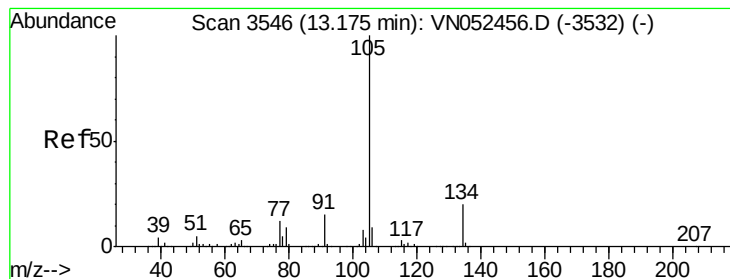
Tot Ion:119 Resp: 701179
Ion Ratio Lower Upper
119 100
91 65.1 0.0 129.8
134 26.1 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 19.904 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion:105 Resp: 797602
Ion Ratio Lower Upper
105 100
120 45.1 0.0 91.0





#81

sec-Butylbenzene

Concen: 19.657 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

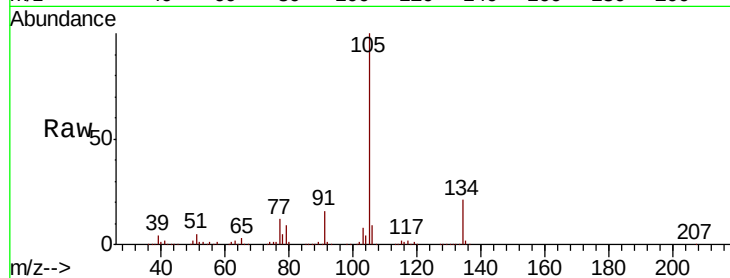
ClientSampleId :

Tot Ion:105 Resp: 954893

Ion Ratio Lower Upper

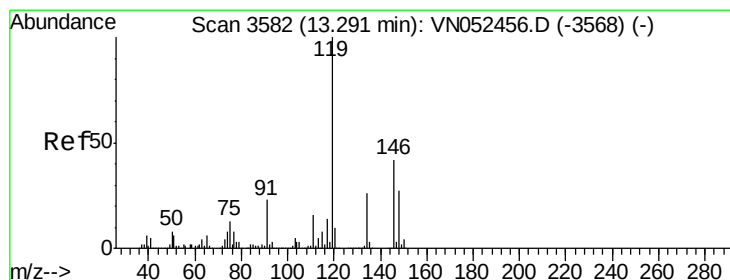
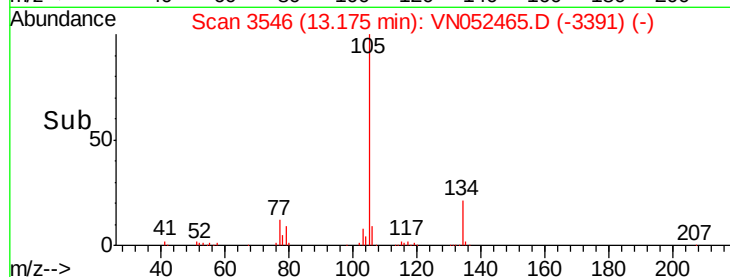
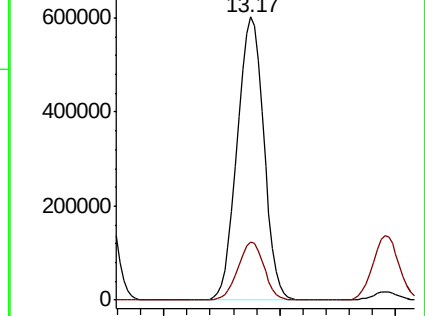
105 100

134 20.2 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.412 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

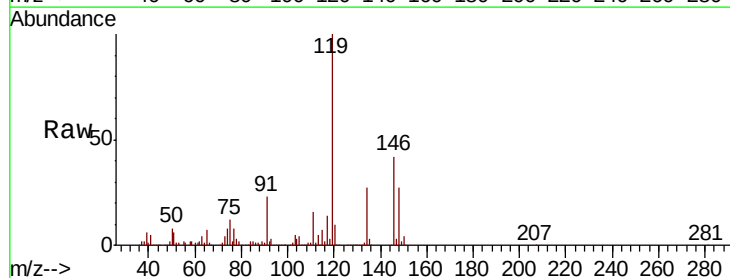
Tgt Ion:119 Resp: 802971

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.6

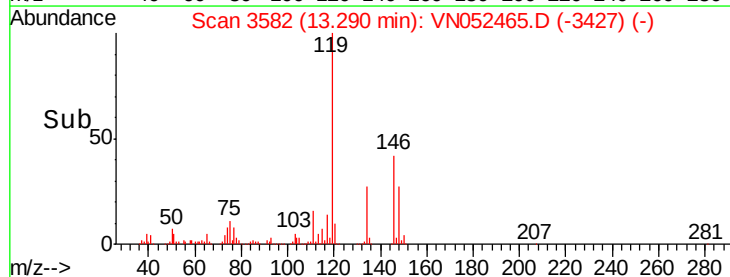
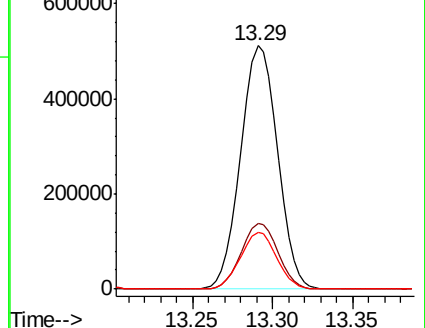
91 23.1 0.0 46.2

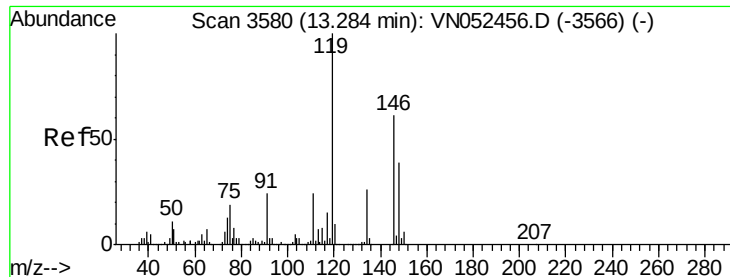


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 19.409 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

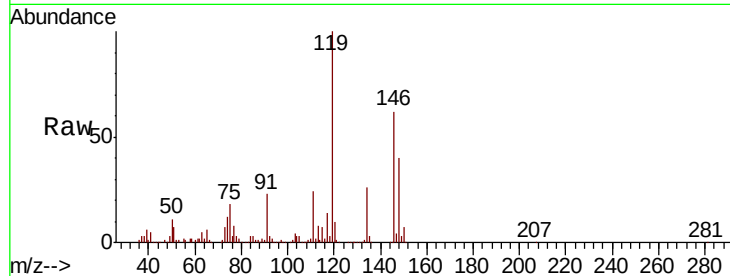
Tot Ion:146 Resp: 409336

Ion Ratio Lower Upper

146 100

111 39.1 19.7 59.0

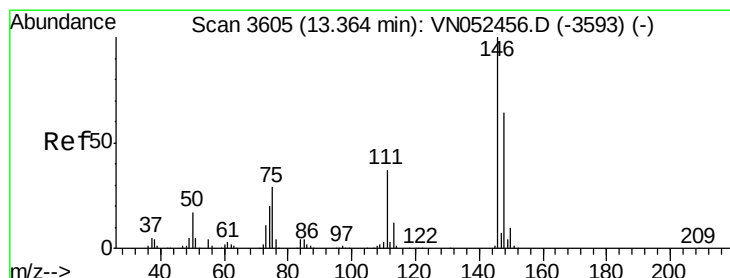
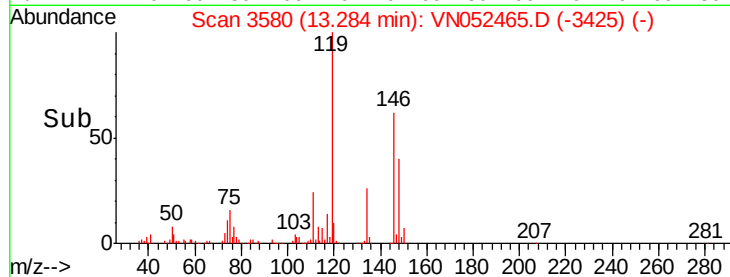
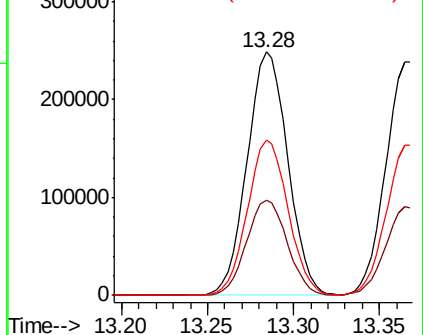
148 63.9 32.3 96.8



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: 19.507 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

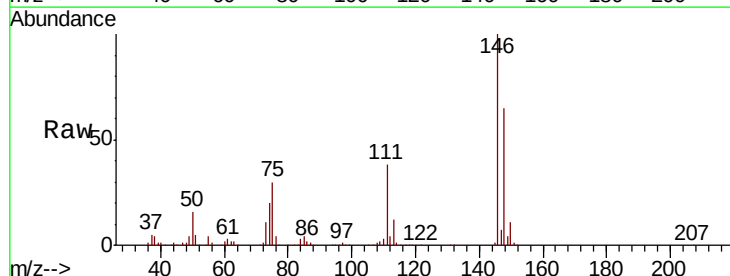
Tgt Ion:146 Resp: 397478

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.3

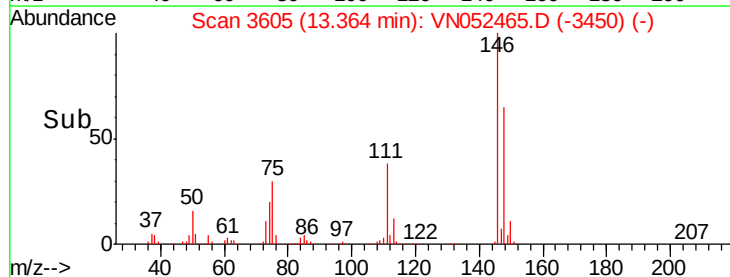
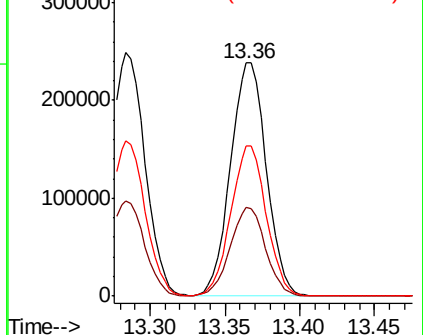
148 63.7 32.5 97.4

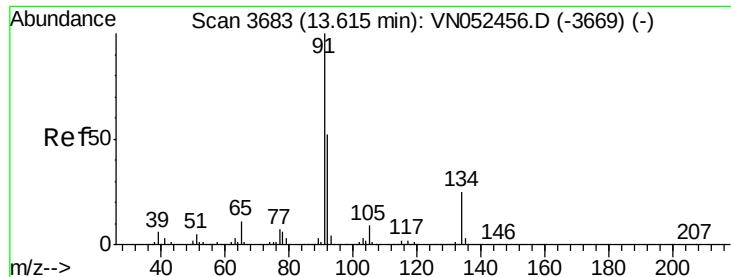


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 18.787 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

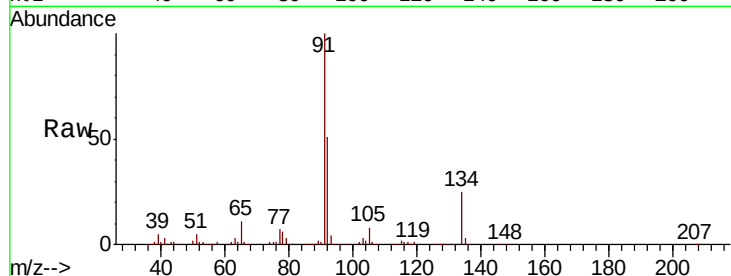
Tot Ion: 91 Resp: 667535

Ion Ratio Lower Upper

91 100

92 51.4 0.0 104.2

134 25.4 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052465.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN052465.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN052465.D (-3669) (-)

13.62

400000

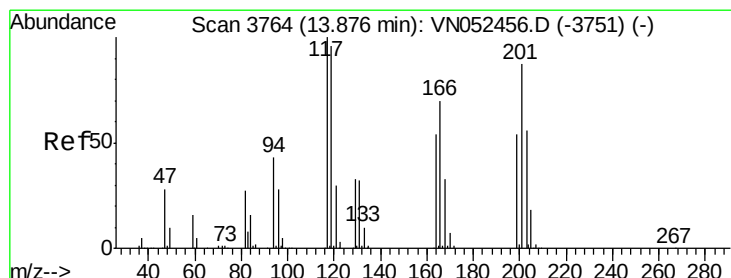
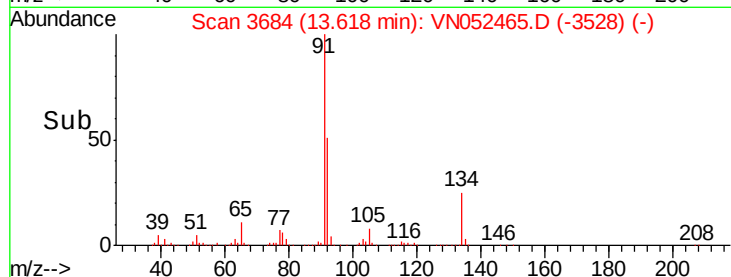
300000

200000

100000

0

Time-->



#86

Hexachloroethane

Concen: 19.228 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052465.D

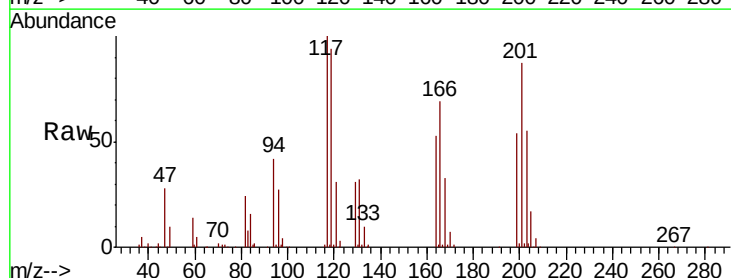
Acq: 26 Nov 2018 18:04

Tgt Ion: 117 Resp: 134764

Ion Ratio Lower Upper

117 100

201 88.9 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052465.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052465.D (-3751) (-)

13.88

80000

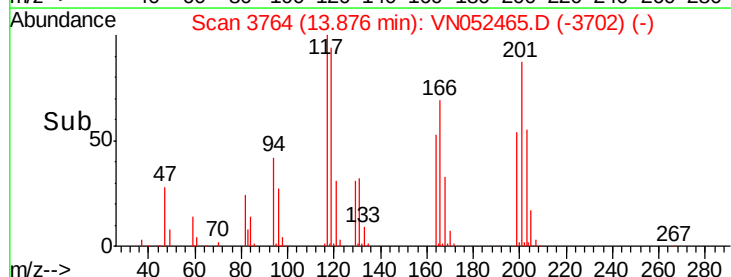
60000

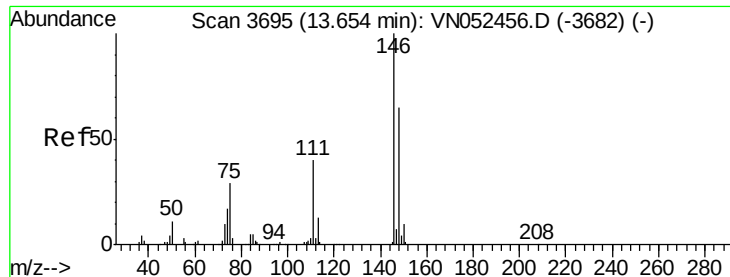
40000

20000

0

Time-->

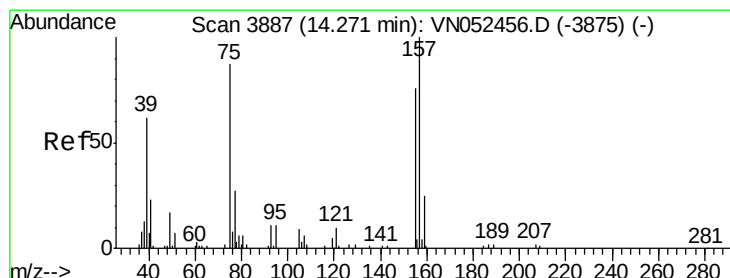
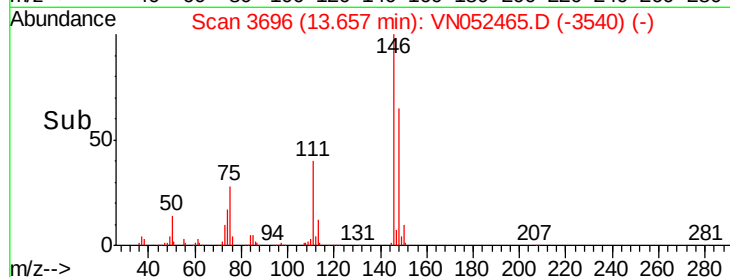
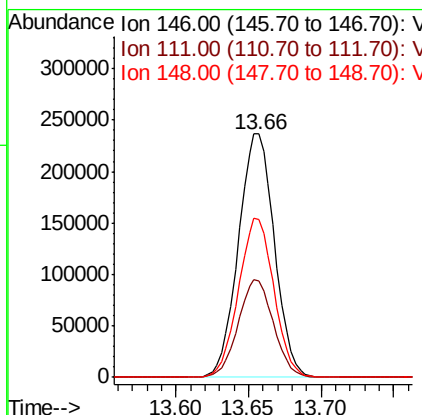
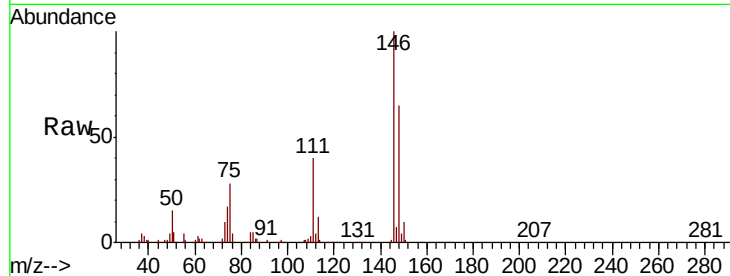




#87
 1,2-Dichlorobenzene
 Concen: 20.301 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

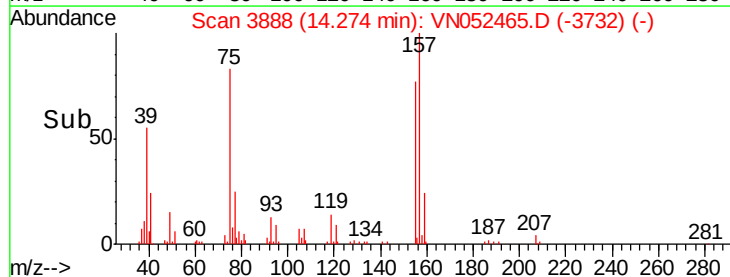
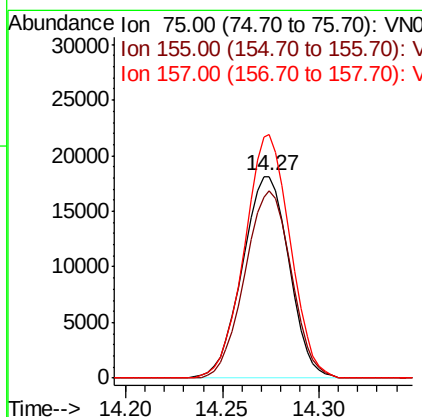
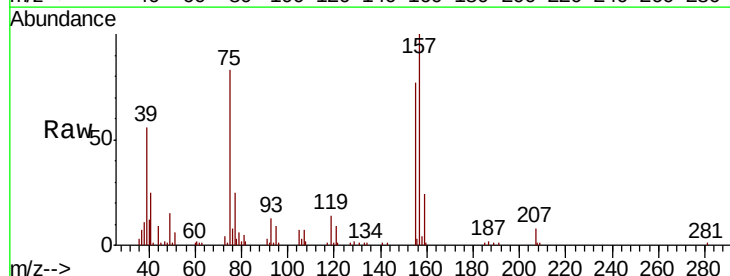
Instrument :
 MSVOA_N
 ClientSampleId :

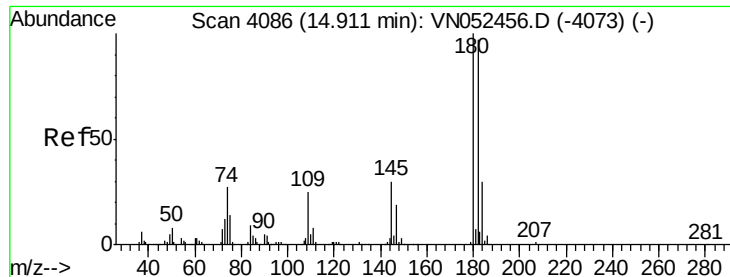
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	64.2	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.255 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	72.2	108.2
157	117.6	94.2	141.2

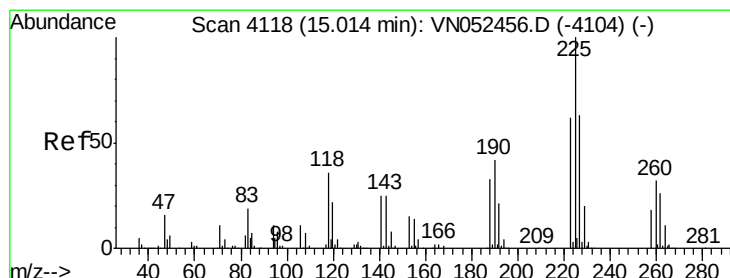
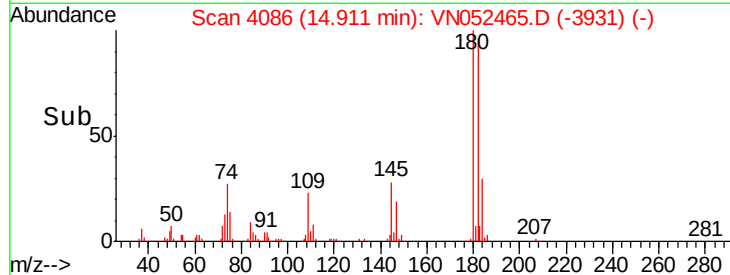
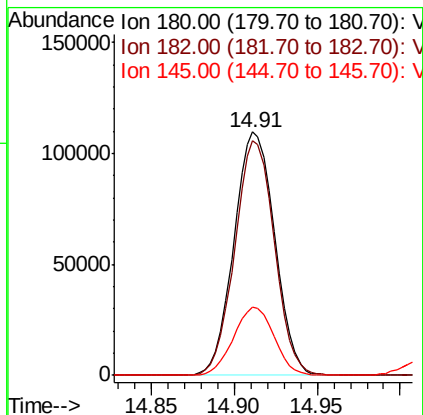
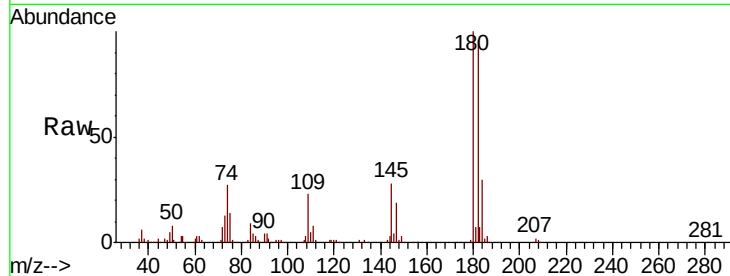




#89
 1,2,4-Trichlorobenzene
 Concen: 18.976 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

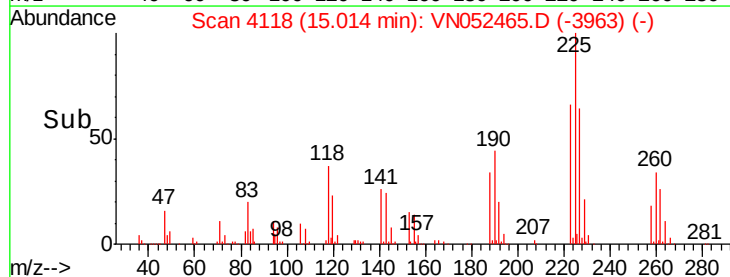
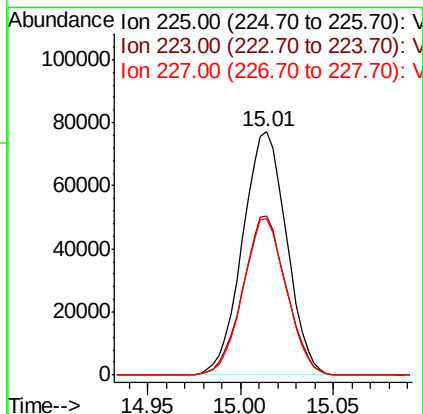
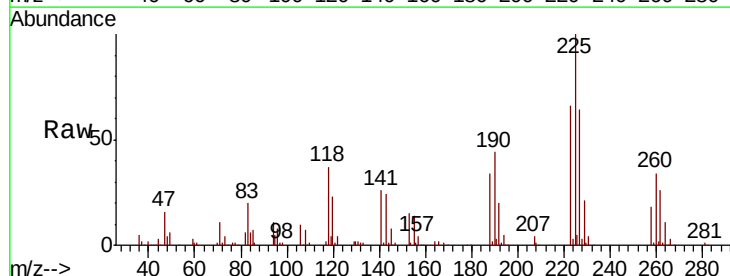
Instrument :
 MSVOA_N
 ClientSampled :

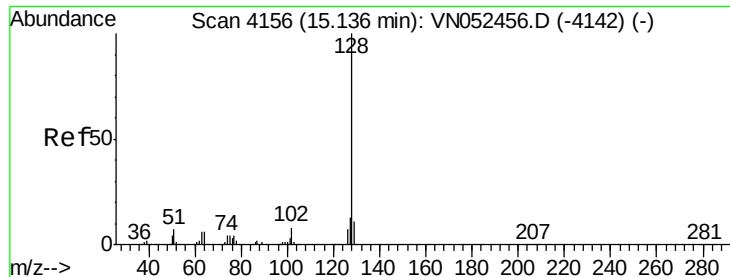
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.6	114.8
145	27.8	23.6	35.4



#90
 Hexachlorobutadiene
 Concen: 19.631 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	0.0	125.6
227	63.3	0.0	127.8





#91

Naphthalene

Concen: 19.392 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

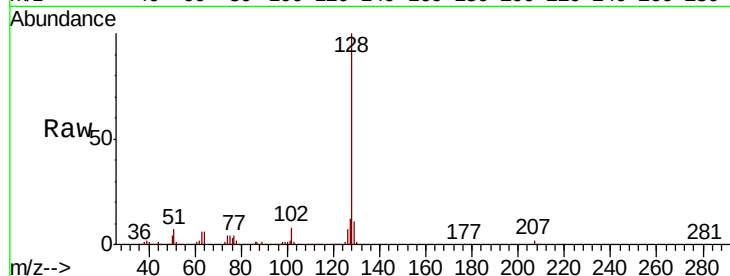
Tot Ion:128 Resp: 387203

Ion Ratio Lower Upper

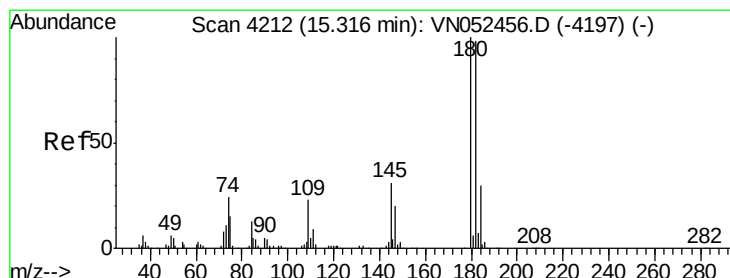
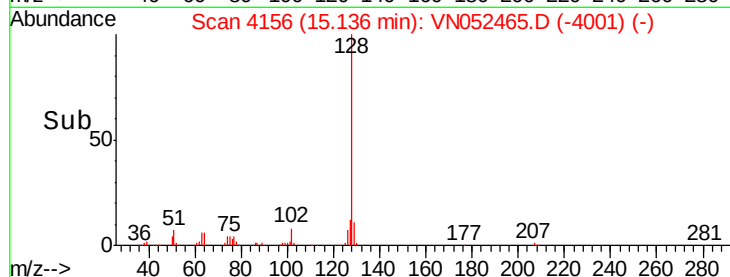
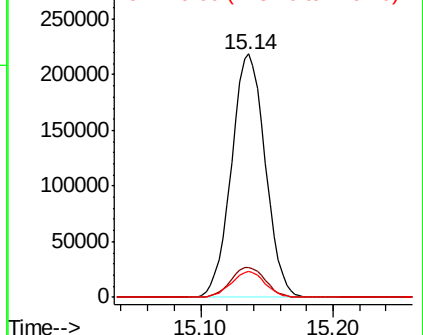
128 100

127 12.6 9.9 14.9

129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.703 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

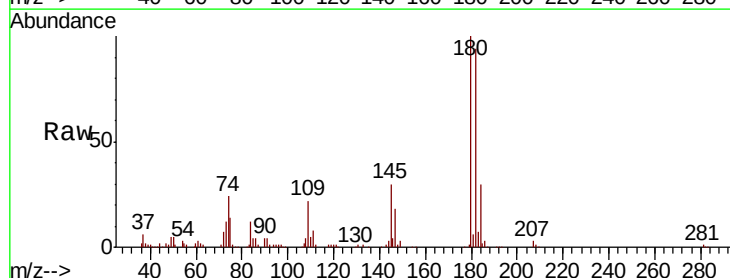
Tgt Ion:180 Resp: 179540

Ion Ratio Lower Upper

180 100

182 94.0 0.0 196.2

145 30.8 0.0 62.2



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

