

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN053995.D
 Acq On : 28 Feb 2019 10:50
 Operator : JC/SP
 Sample : VN0228WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 01 03:53:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	732391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1176905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1031236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	476063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	452127	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
35) Dibromofluoromethane	7.59	113	392901	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
50) Toluene-d8	10.09	98	1488769	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.40	95	498664	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	145420	21.574	ug/l	99
3) Chloromethane	2.06	50	198039	21.182	ug/l	98
4) Vinyl Chloride	2.19	62	194997	20.816	ug/l	99
5) Bromomethane	2.57	94	124376	20.048	ug/l	99
6) Chloroethane	2.71	64	121041	20.776	ug/l	97
7) Trichlorofluoromethane	3.02	101	252129	21.068	ug/l	100
8) Diethyl Ether	3.41	74	92726	20.681	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	163806	21.672	ug/l	93
10) Methyl Iodide	3.96	142	206796	20.822	ug/l	97
11) Tert butyl alcohol	4.78	59	57492	105.635	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	148275	20.509	ug/l	94
13) Acrolein	3.61	56	47890	84.989	ug/l	99
14) Allyl chloride	4.32	41	275648	21.738	ug/l	95
15) Acrylonitrile	4.99	53	310768	108.339	ug/l	99
16) Acetone	3.81	43	296510	124.361	ug/l	96
17) Carbon Disulfide	4.06	76	470816	20.186	ug/l	98
18) Methyl Acetate	4.32	43	132996	22.154	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	412415	21.264	ug/l	98
20) Methylene Chloride	4.55	84	177600	20.901	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	163992	20.957	ug/l	92
22) Diisopropyl ether	5.95	45	543579	22.220	ug/l	96
23) Vinyl Acetate	5.89	43	1895325	107.698	ug/l	95
24) 1,1-Dichloroethane	5.85	63	319178	21.276	ug/l	97
25) 2-Butanone	6.83	43	376943	111.819	ug/l	95
26) 2,2-Dichloropropane	6.82	77	239963	22.514	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	184720	21.226	ug/l	94
28) Bromochloromethane	7.19	49	158055	23.017	ug/l #	80
29) Tetrahydrofuran	7.21	42	239226	106.566	ug/l	92
30) Chloroform	7.37	83	310955	21.376	ug/l	99
31) Cyclohexane	7.65	56	304683	21.963	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	257156	21.440	ug/l	97
36) 1,1-Dichloropropene	7.79	75	239252	21.860	ug/l	97
37) Ethyl Acetate	6.93	43	159115	20.360	ug/l #	92
38) Carbon Tetrachloride	7.77	117	228347	20.060	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	282481	21.413	ug/l	94
40) Benzene	8.04	78	708726	21.079	ug/l	99
41) Methacrylonitrile	7.21	41	226300	44.971	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	223017	21.424	ug/l	98
43) Isopropyl Acetate	8.16	43	268349	20.337	ug/l	94
44) Trichloroethene	8.83	130	190262	21.345	ug/l	95
45) 1,2-Dichloropropane	9.12	63	193121	21.289	ug/l	99
46) Dibromomethane	9.21	93	111854	21.239	ug/l	92
47) Bromodichloromethane	9.40	83	238077	21.451	ug/l	99
48) Methyl methacrylate	9.20	41	128897	21.237	ug/l	92
49) 1,4-Dioxane	9.20	88	36470	443.649	ug/l #	93
51) 4-Methyl-2-Pentanone	9.98	43	744311	109.772	ug/l	95
52) Toluene	10.16	92	424998	21.466	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	232520	21.532	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	273381	21.475	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	156792	21.206	ug/l	98
56) Ethyl methacrylate	10.43	69	186718	20.461	ug/l	90
57) 1,3-Dichloropropane	10.71	76	268753	21.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	440722	105.942	ug/l	95
59) 2-Hexanone	10.75	43	489353	110.967	ug/l	92
60) Dibromochloromethane	10.90	129	172940	21.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	148247	20.785	ug/l	100
64) Tetrachloroethene	10.63	164	186924	21.406	ug/l	97
65) Chlorobenzene	11.43	112	453643	20.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	166167	21.185	ug/l	100
67) Ethyl Benzene	11.51	91	780036	21.379	ug/l	98
68) m/p-Xylenes	11.62	106	600688	43.621	ug/l	96
69) o-Xylene	11.95	106	284727	21.043	ug/l	98
70) Styrene	11.96	104	465559	22.370	ug/l	98
71) Bromoform	12.13	173	114275	20.942	ug/l #	99
73) Isopropylbenzene	12.25	105	760035	20.509	ug/l	99
74) N-amyl acetate	12.07	43	202210	20.819	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	186423	20.117	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	227226	29.754	ug/l #	100
77) Bromobenzene	12.53	156	190209	20.216	ug/l	90
78) n-propylbenzene	12.59	91	901980	21.402	ug/l	98
79) 2-Chlorotoluene	12.67	91	529858	20.929	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	652354	21.503	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	48004	19.867	ug/l	89
82) 4-Chlorotoluene	12.77	91	538794	21.533	ug/l	96
83) tert-Butylbenzene	12.99	119	560631	20.894	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	653454	21.575	ug/l	99
85) sec-Butylbenzene	13.17	105	781298	21.319	ug/l	98
86) p-Isopropyltoluene	13.29	119	670774	21.651	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	339006	20.828	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	329861	20.889	ug/l	98
89) n-Butylbenzene	13.62	91	582052	22.292	ug/l	98
90) Hexachloroethane	13.87	117	116999	19.488	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	326027	20.693	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27149	20.731	ug/l	86

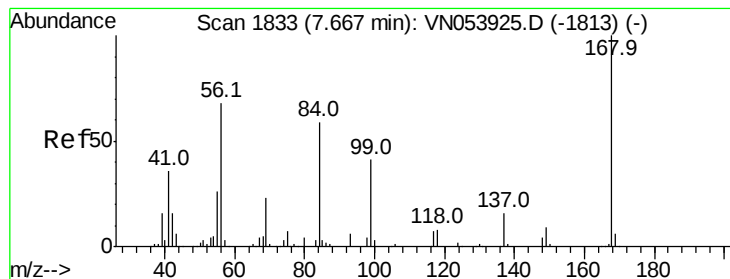
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161259	19.832	ug/l	99
94) Hexachlorobutadiene	15.01	225	125253	22.007	ug/l	98
95) Naphthalene	15.13	128	298759	18.043	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	154797	19.426	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

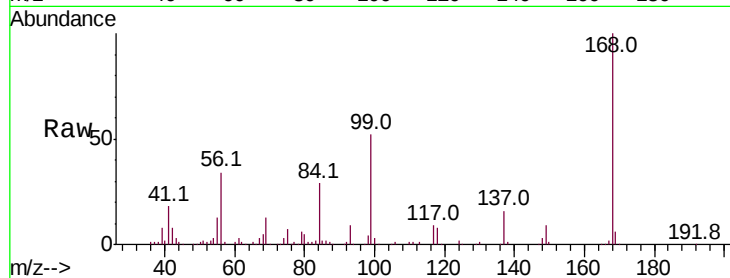
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 732391

Ion Ratio Lower Upper

168 100

99 50.2 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

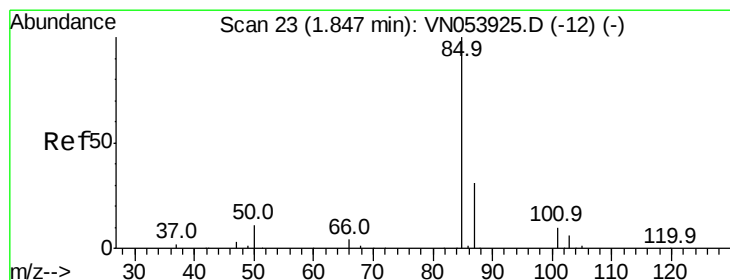
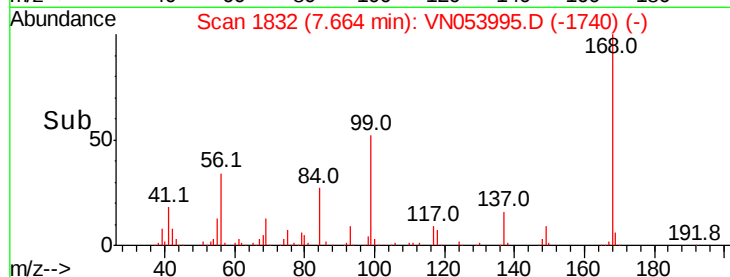
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.574 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053995.D

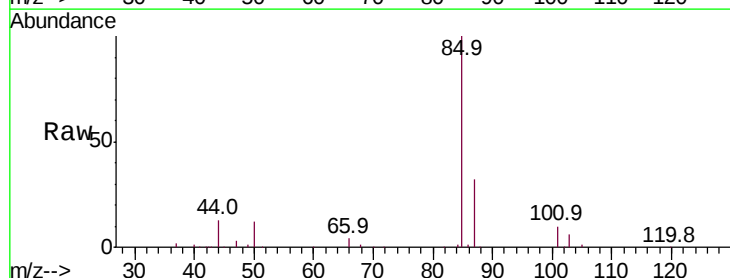
Acq: 28 Feb 2019 10:50

Tgt Ion: 85 Resp: 145420

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

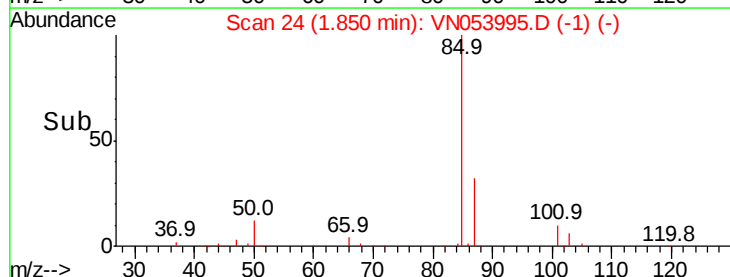
40000

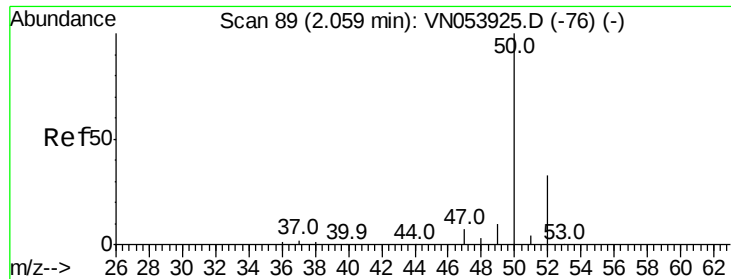
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1.75 1.80 1.85 1.90 1.95

Time-->

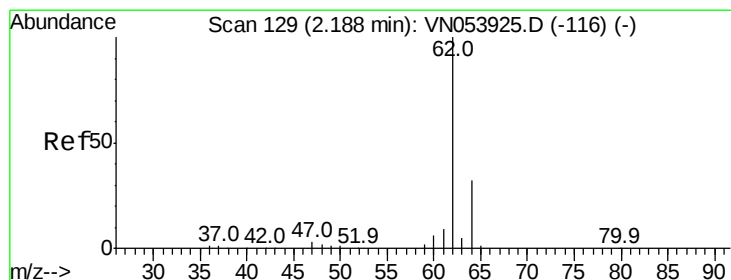
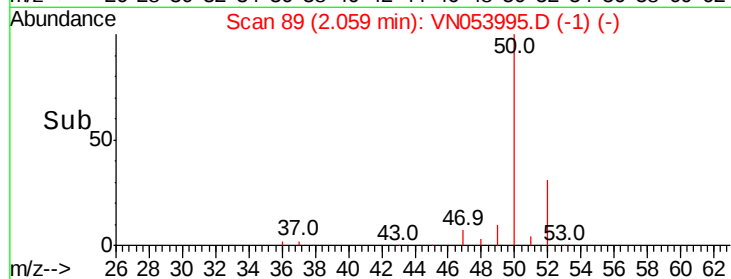
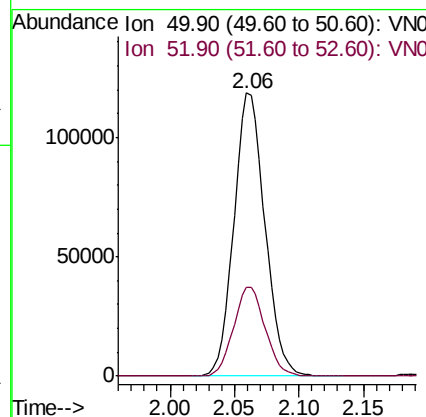
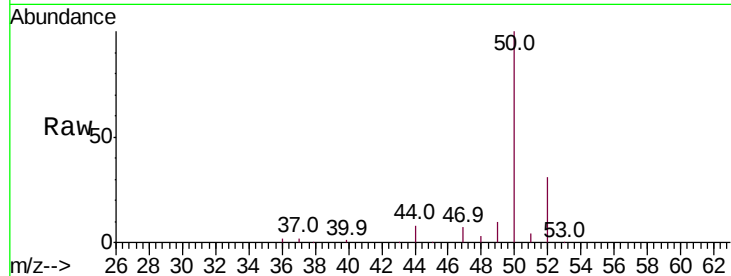




#3
Chloromethane
Concen: 21.182 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

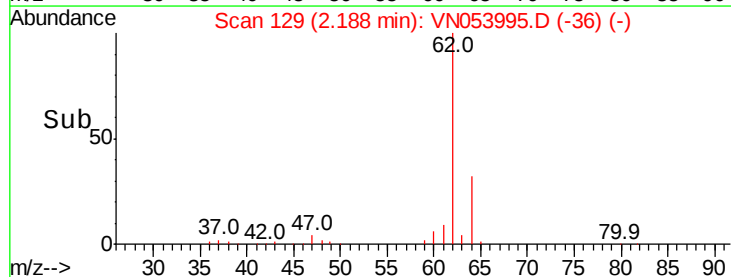
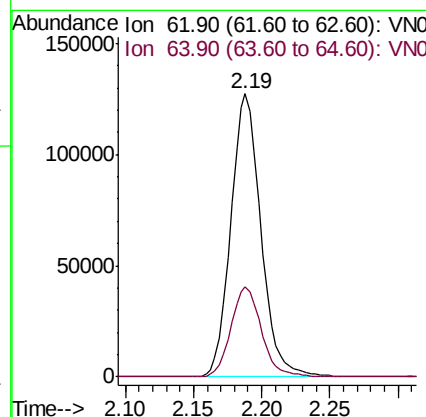
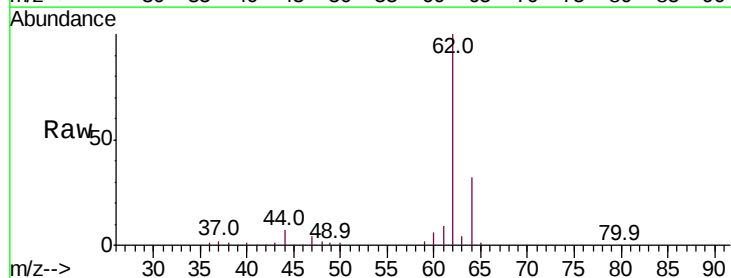
Instrument :
MSVOA_N
ClientSampled :

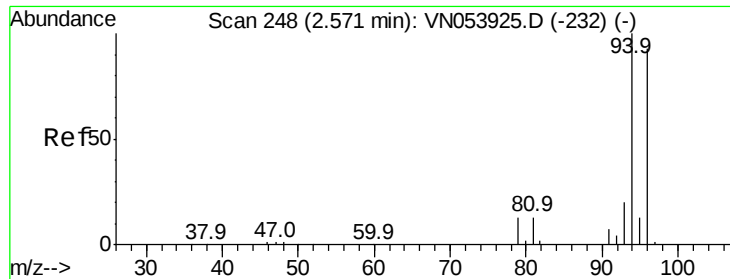
Tot Ion: 50 Resp: 198039
Ion Ratio Lower Upper
50 100
52 31.4 26.0 39.0



#4
Vinyl Chloride
Concen: 20.816 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 62 Resp: 194997
Ion Ratio Lower Upper
62 100
64 31.7 25.1 37.7





#5

Bromomethane

Concen: 20.048 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

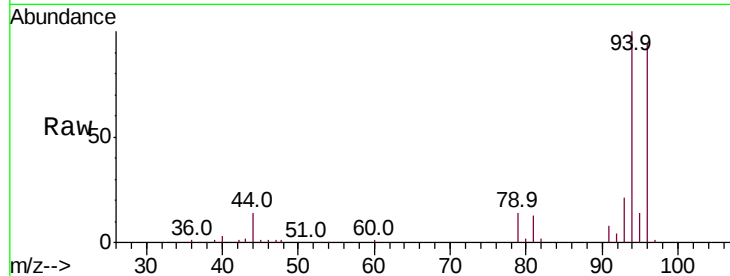
ClientSampled :

Tot Ion: 94 Resp: 124376

Ion Ratio Lower Upper

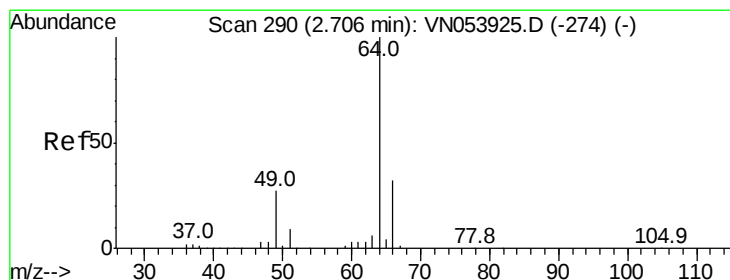
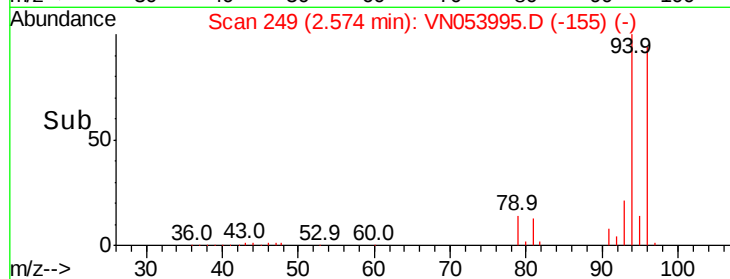
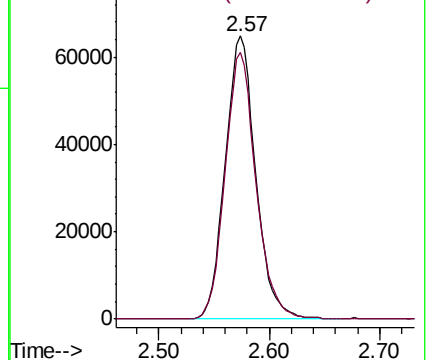
94 100

96 94.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.776 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053995.D

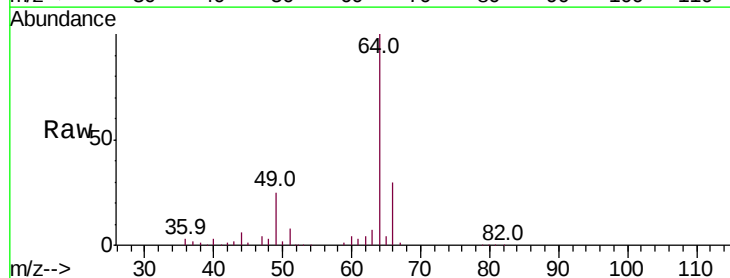
Acq: 28 Feb 2019 10:50

Tgt Ion: 64 Resp: 121041

Ion Ratio Lower Upper

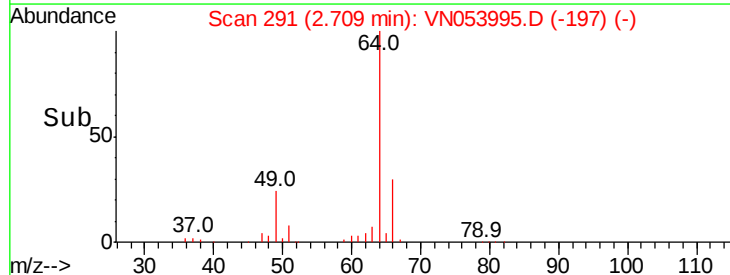
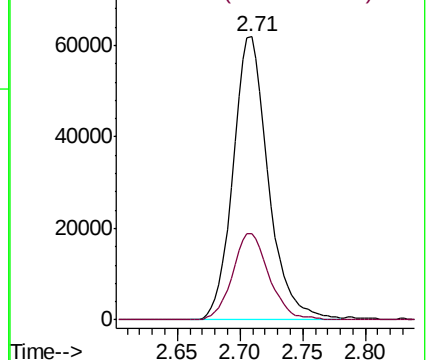
64 100

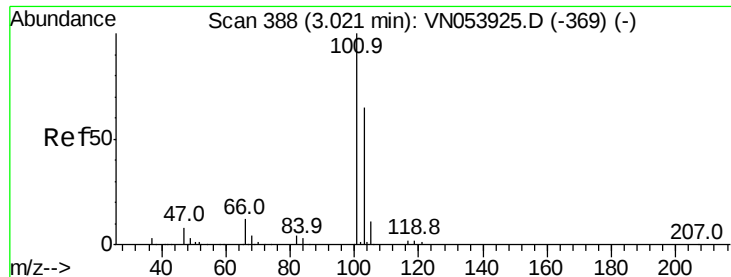
66 30.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



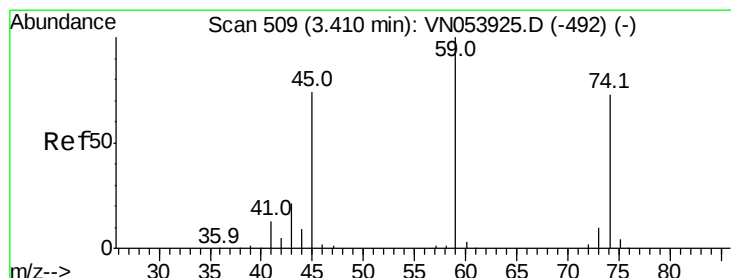
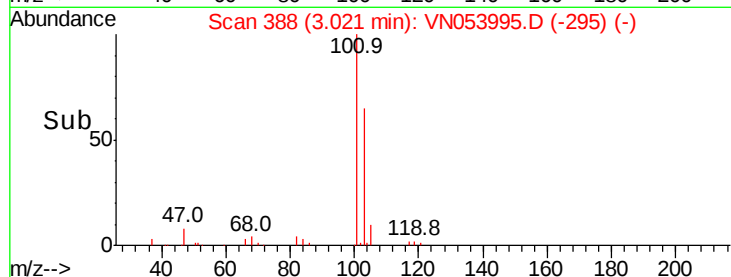
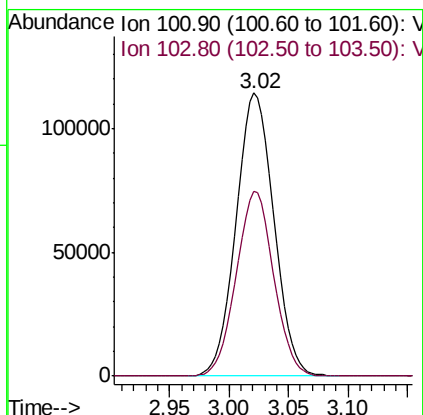
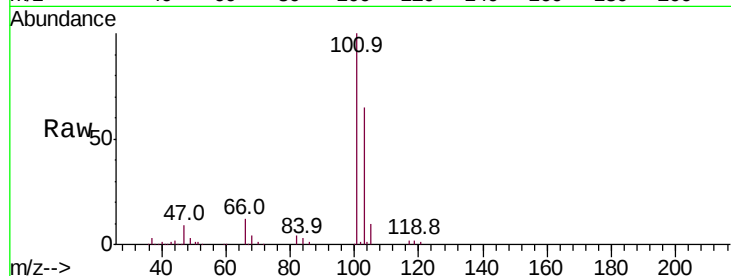


#7

Trichlorofluoromethane
Concen: 21.068 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :

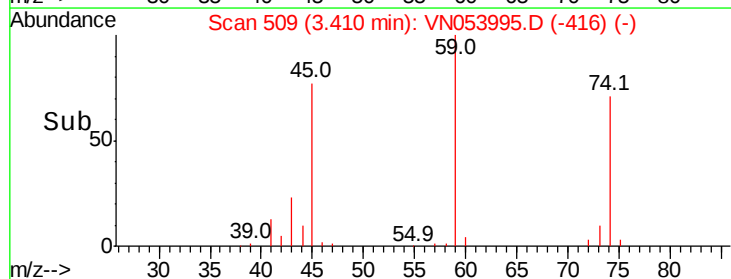
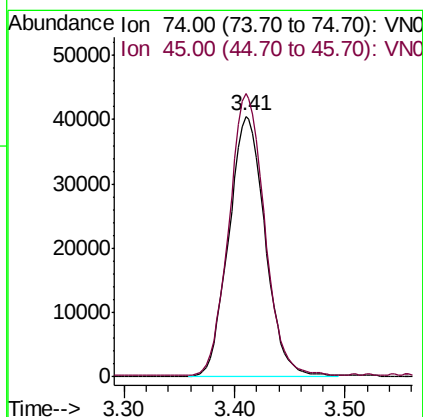
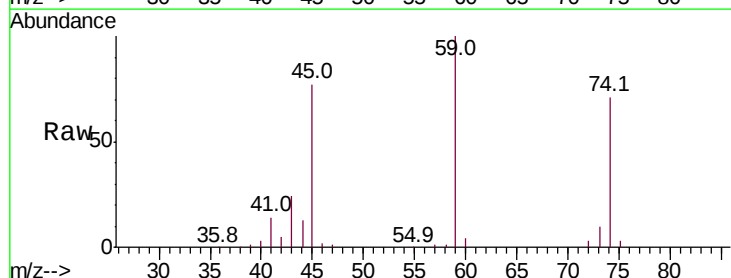
Tot Ion:101 Resp: 252129
Ion Ratio Lower Upper
101 100
103 65.1 51.9 77.9

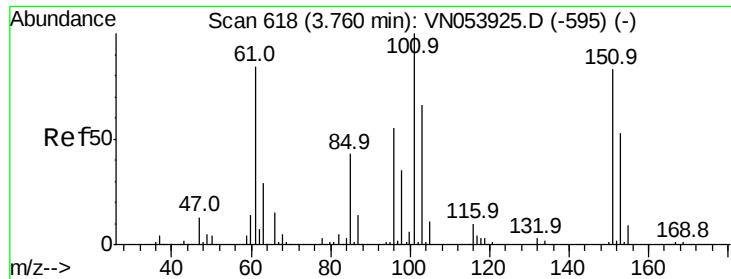


#8

Diethyl Ether
Concen: 20.681 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 74 Resp: 92726
Ion Ratio Lower Upper
74 100
45 105.5 46.9 140.6

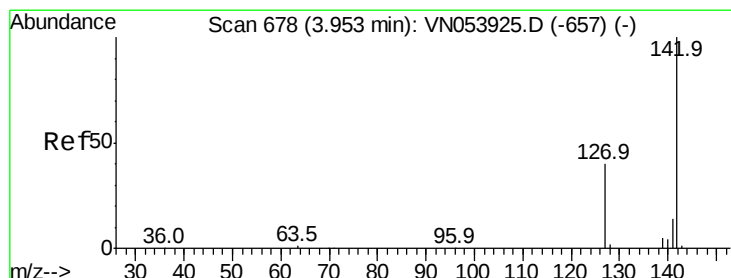
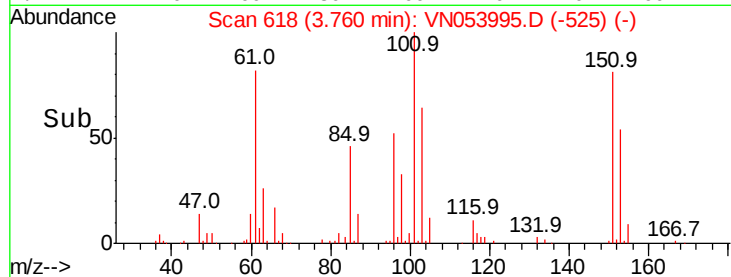
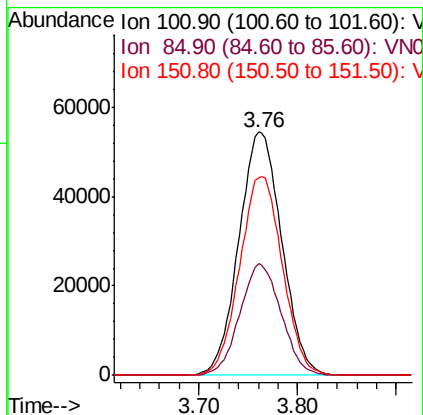
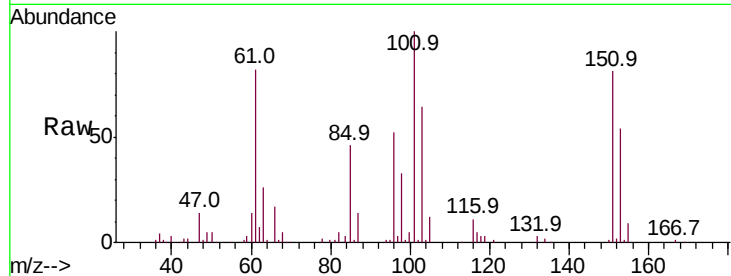




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.672 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

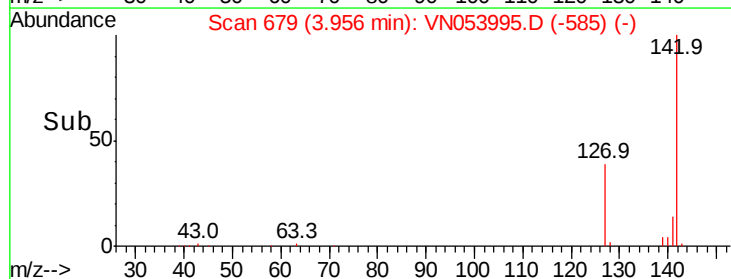
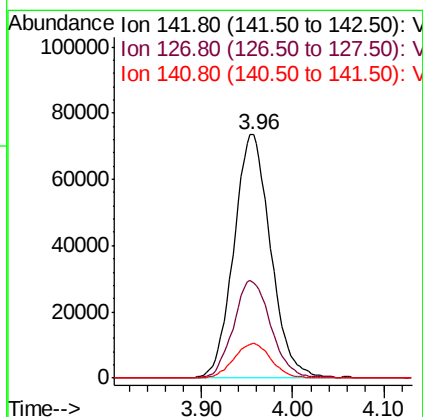
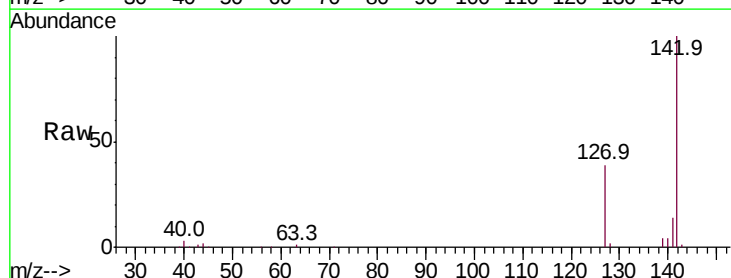
Instrument :
 MSVOA_N
 ClientSampleId :

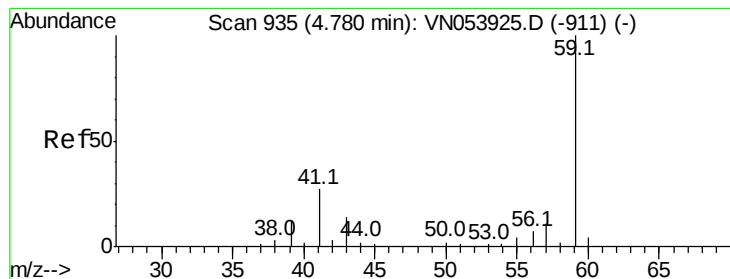
Tot Ion	Ratio	Lower	Upper
101	100		
85	44.2	32.5	48.7
151	81.3	70.2	105.2



#10
 Methyl Iodide
 Concen: 20.822 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.0	31.0	46.4
141	14.5	11.3	16.9



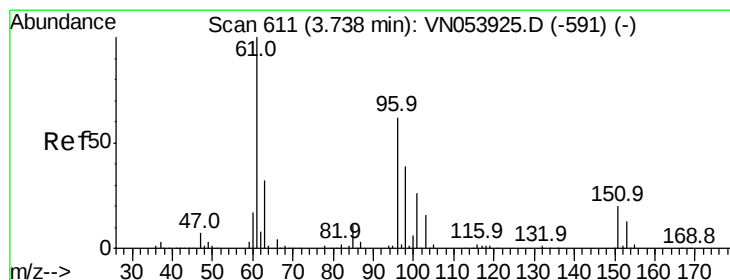
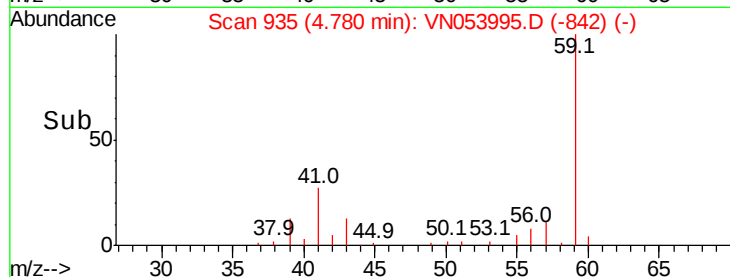
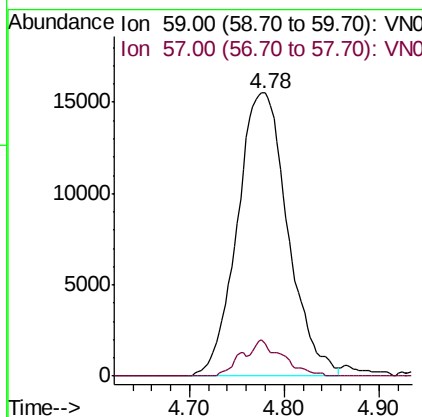
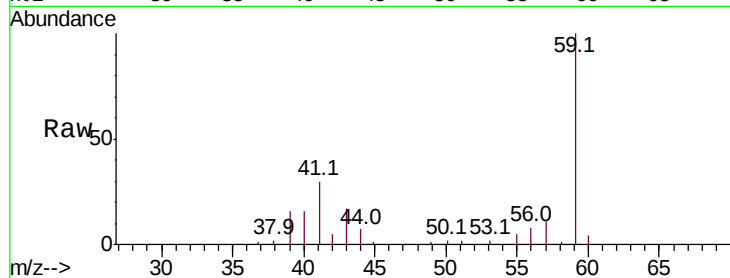


#11

Tert butyl alcohol
 Concen: 105.635 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :

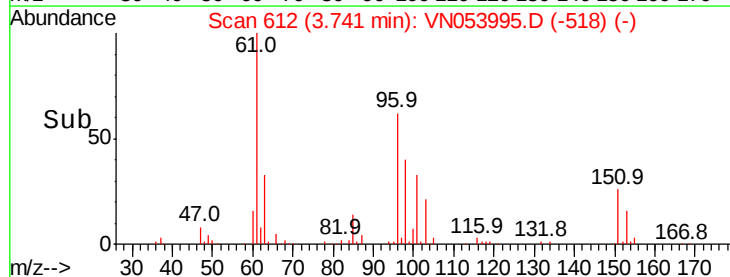
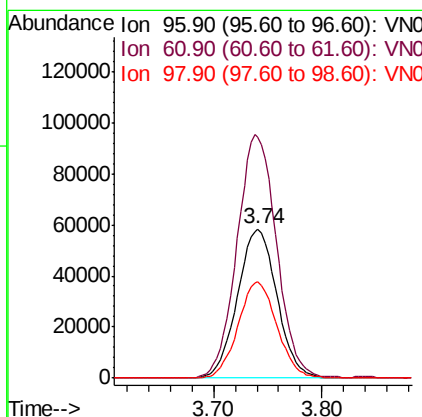
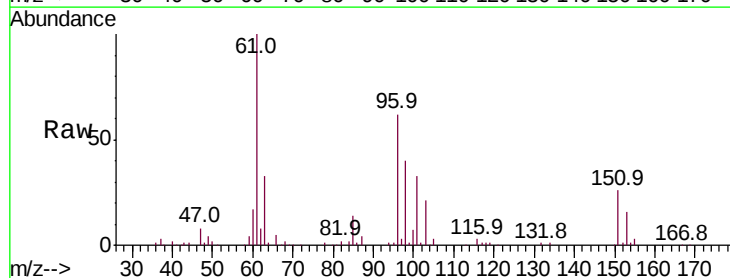
Tot Ion: 59 Resp: 57492
 Ion Ratio Lower Upper
 59 100
 57 7.4 8.1 12.1#

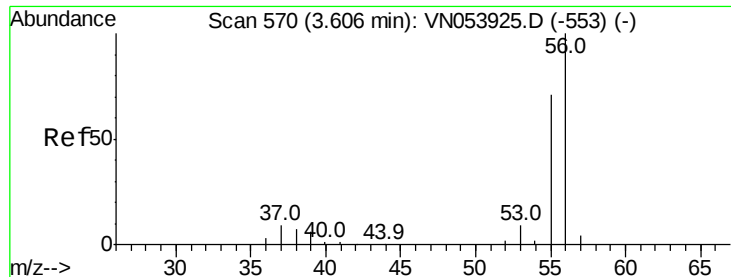


#12

1,1-Dichloroethene
 Concen: 20.509 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion: 96 Resp: 148275
 Ion Ratio Lower Upper
 96 100
 61 162.1 121.0 181.4
 98 64.5 52.2 78.2





#13

Acrolein

Concen: 84.989 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

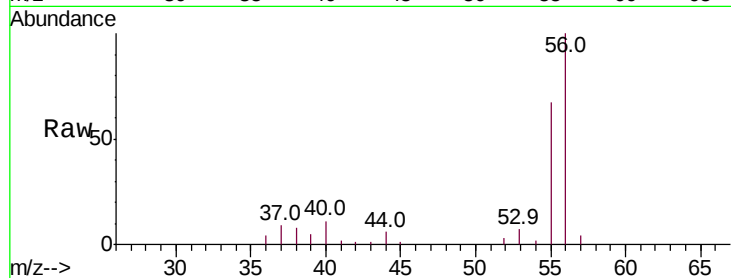
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 47890

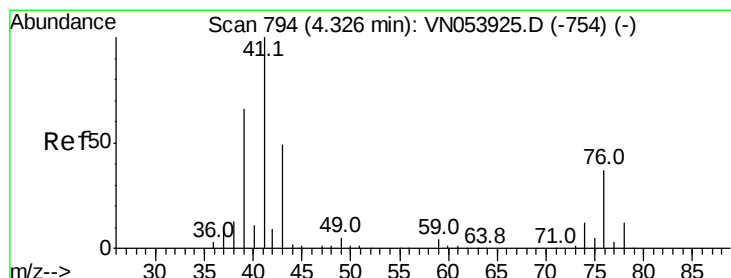
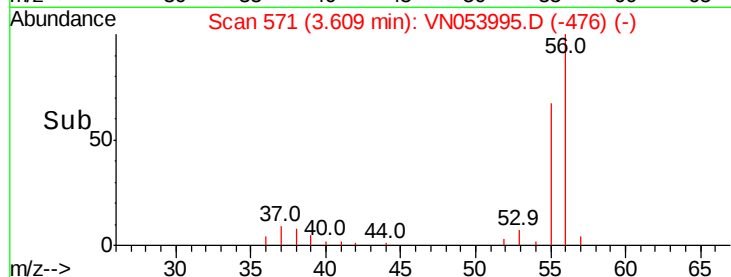
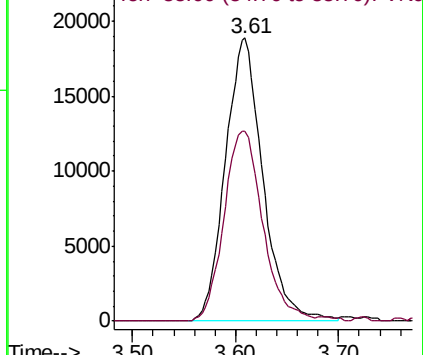
Ion Ratio Lower Upper

56 100

55 69.3 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 21.738 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

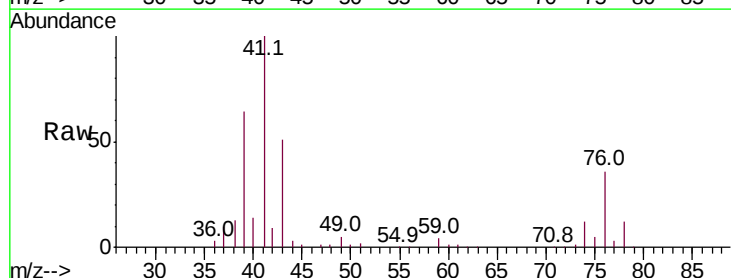
Tgt Ion: 41 Resp: 275648

Ion Ratio Lower Upper

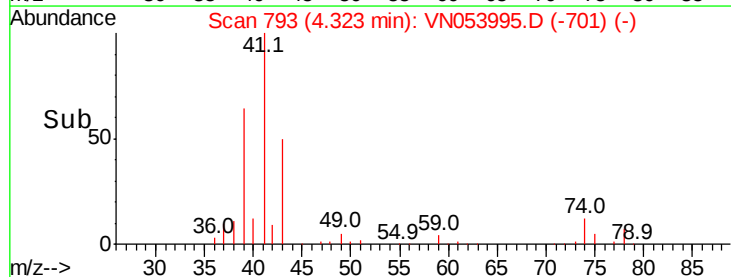
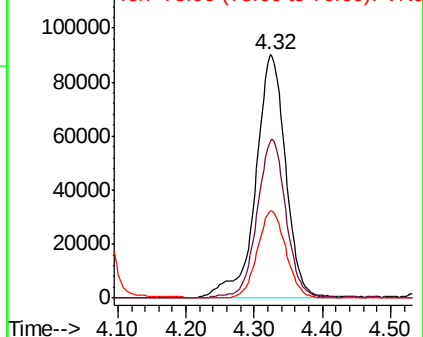
41 100

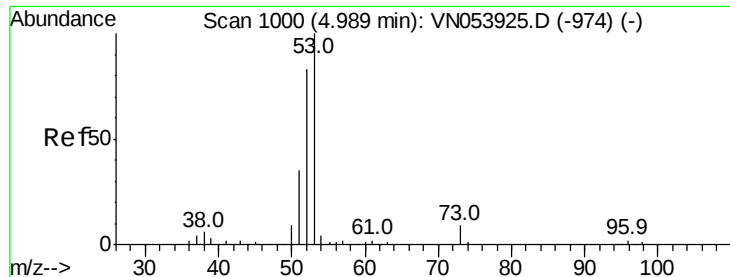
39 62.9 48.8 73.2

76 33.4 30.9 46.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 108.339 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :

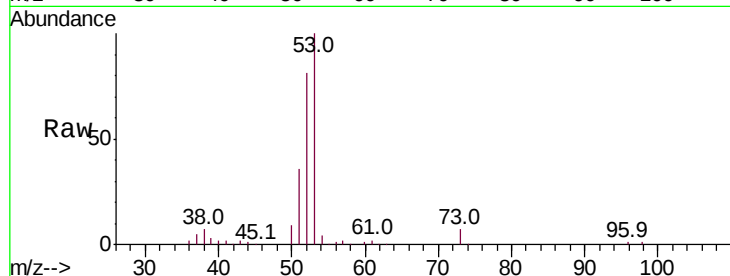
Tot Ion: 53 Resp: 310768

Ion Ratio Lower Upper

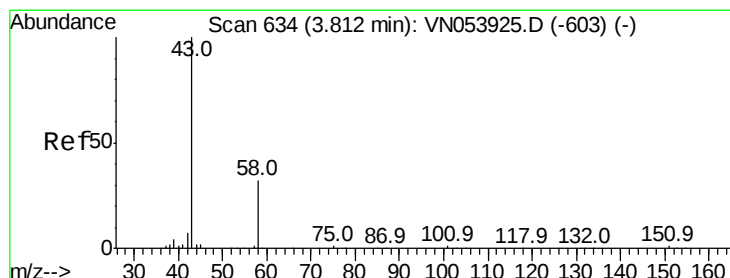
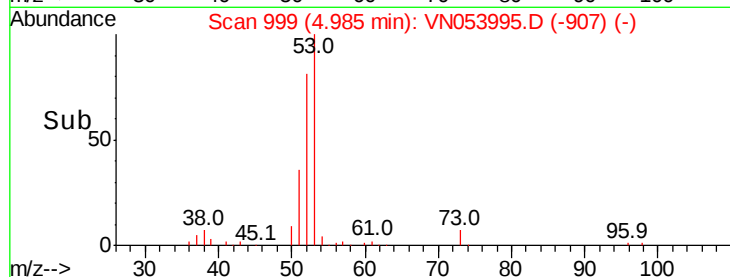
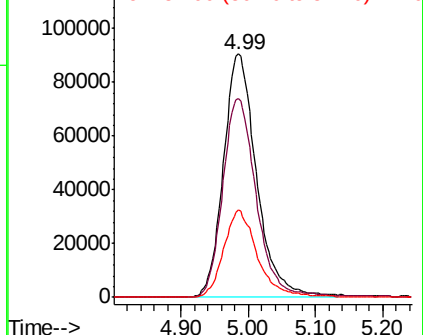
53 100

52 81.6 65.1 97.7

51 36.3 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 124.361 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053995.D

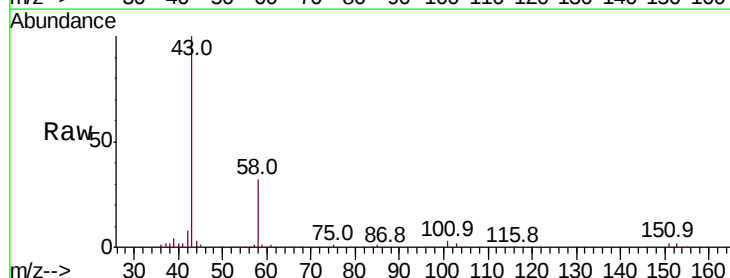
Acq: 28 Feb 2019 10:50

Tgt Ion: 43 Resp: 296510

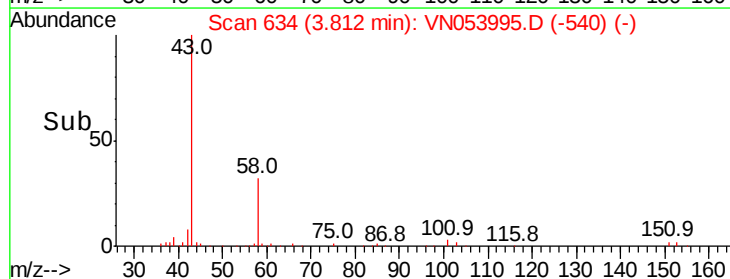
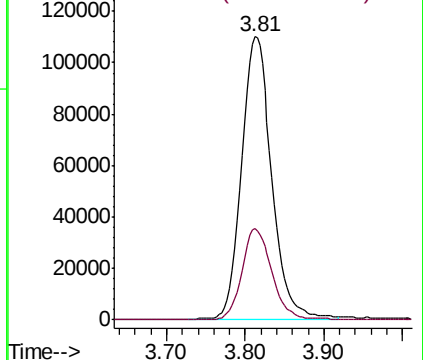
Ion Ratio Lower Upper

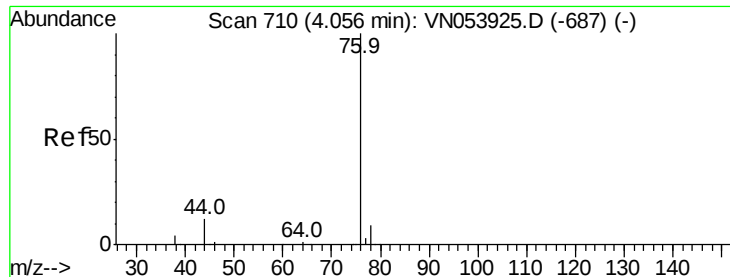
43 100

58 32.2 27.6 41.4



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





#17

Carbon Disulfide

Concen: 20.186 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

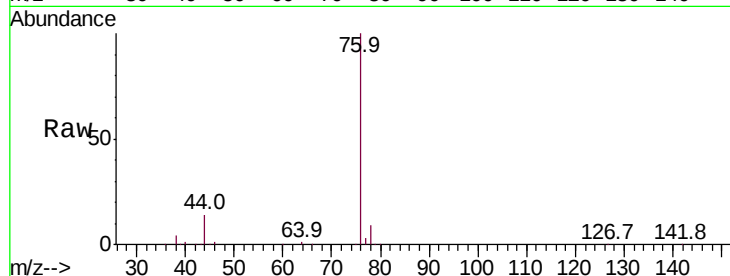
ClientSampleId :

Tot Ion: 76 Resp: 470816

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN053995.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN053995.D (-687) (-)

4.06

200000

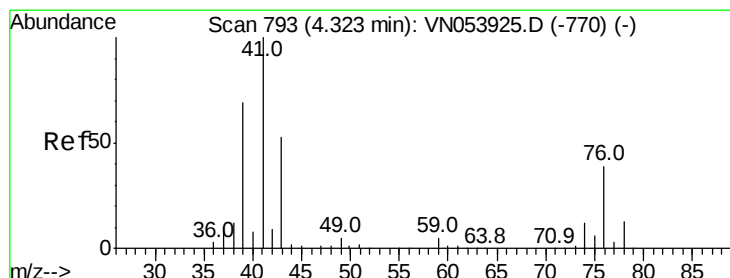
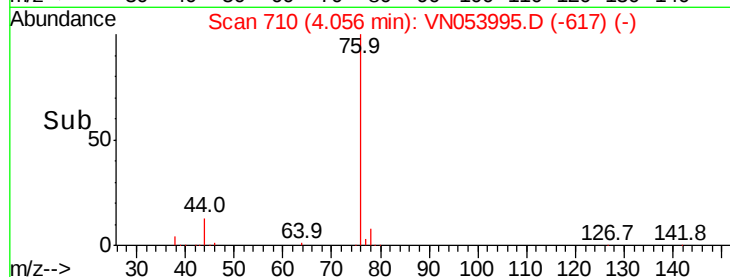
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.154 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053995.D

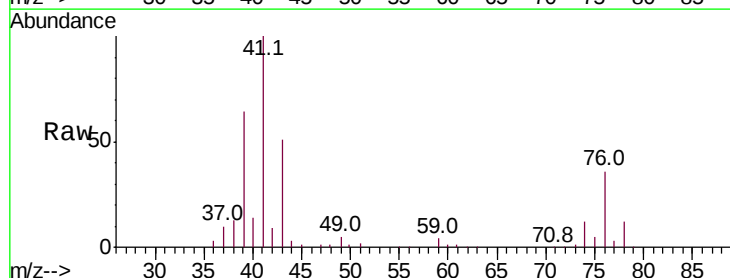
Acq: 28 Feb 2019 10:50

Tgt Ion: 43 Resp: 132996

Ion Ratio Lower Upper

43 100

74 22.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053995.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN053995.D (-770) (-)

4.32

50000

40000

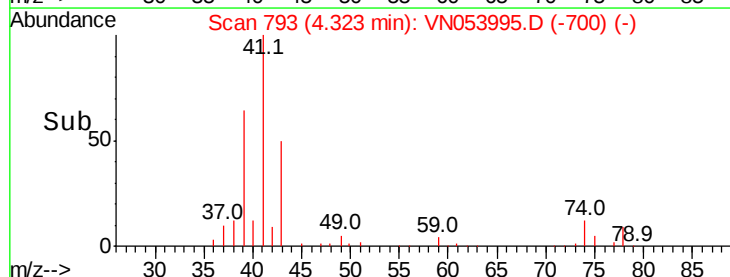
30000

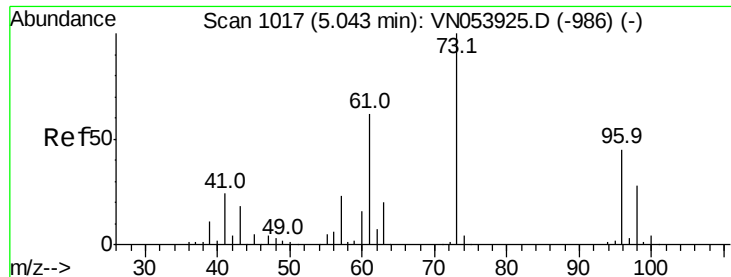
20000

10000

0

Time-->

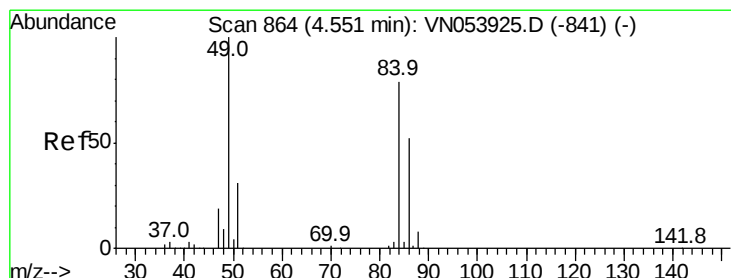
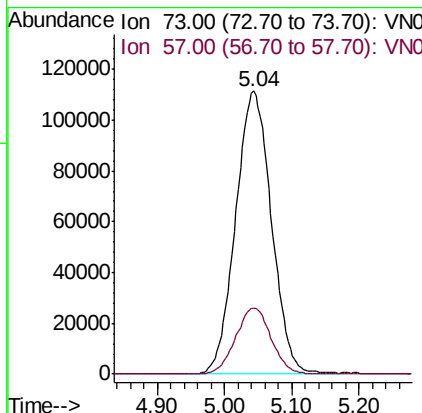
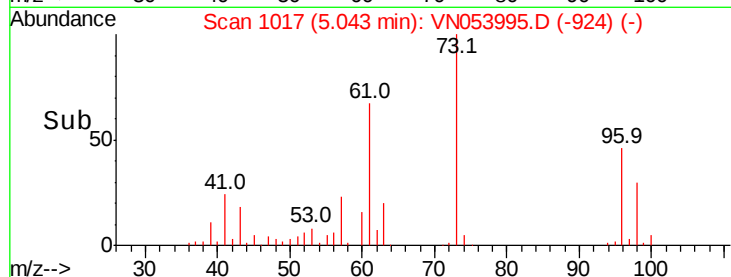
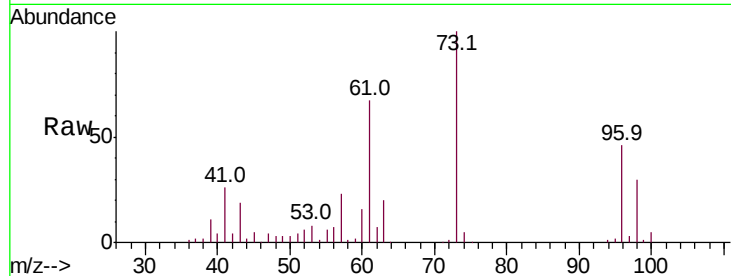




#19
Methvl tert-butvl Ether
Concen: 21.264 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

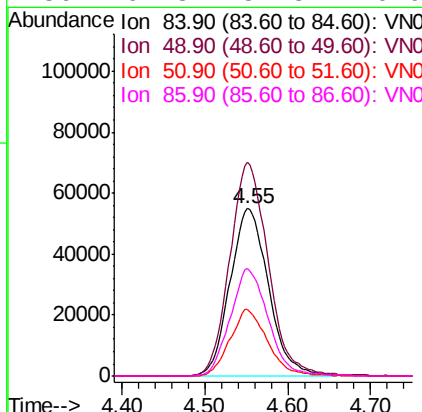
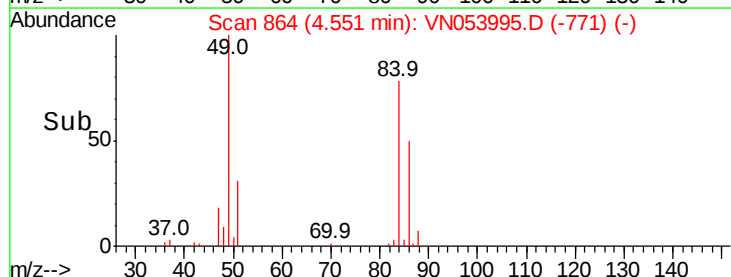
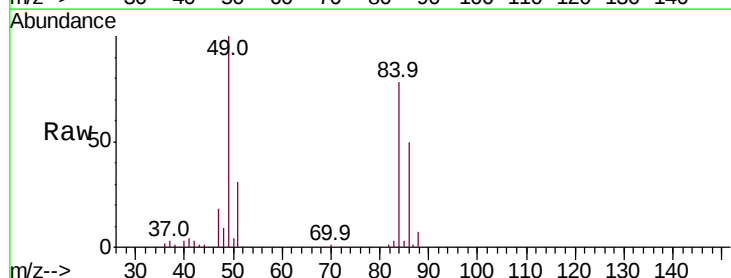
Instrument :
MSVOA_N
ClientSampled :

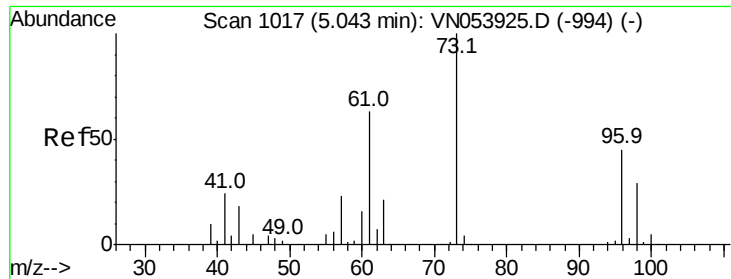
Tot Ion: 73 Resp: 412415
Ion Ratio Lower Upper
73 100
57 23.4 18.0 27.0



#20
Methylene Chloride
Concen: 20.901 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 84 Resp: 177600
Ion Ratio Lower Upper
84 100
49 127.5 89.7 134.5
51 39.5 27.8 41.8
86 64.3 51.3 76.9

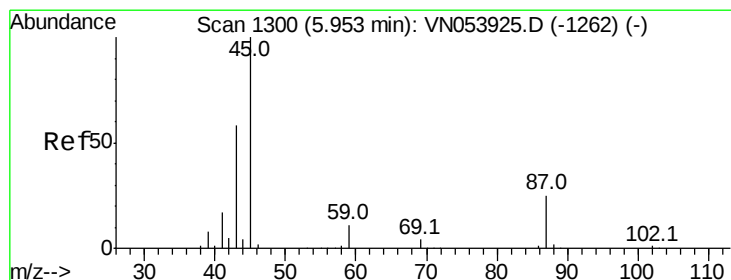
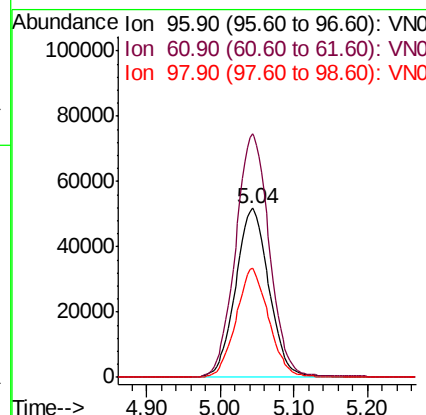
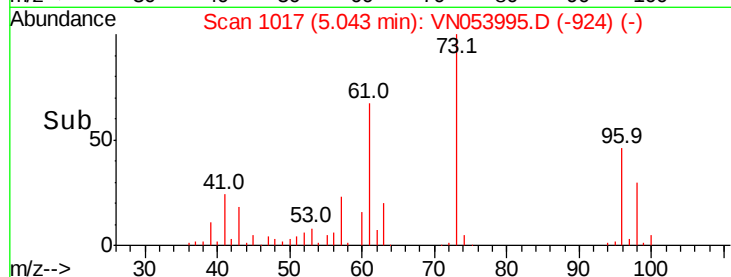
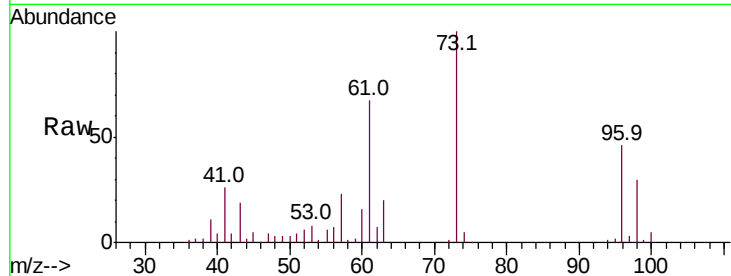




#21
trans-1,2-Dichloroethene
Concen: 20.957 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

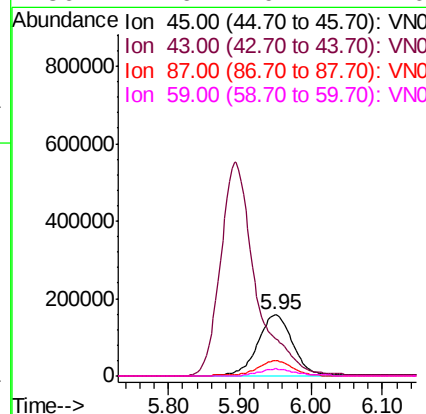
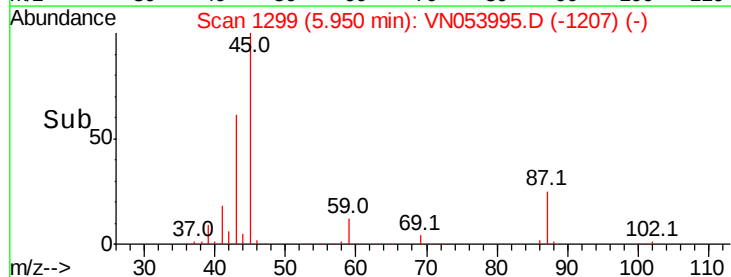
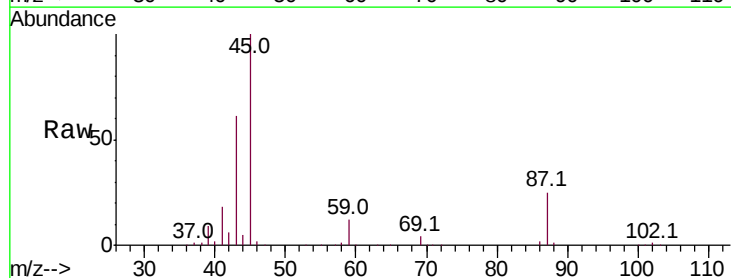
Instrument :
MSVOA_N
ClientSampled :

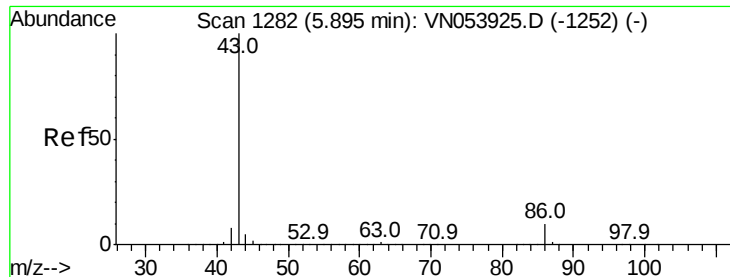
Tot Ion: 96 Resp: 163992
Ion Ratio Lower Upper
96 100
61 144.1 104.5 156.7
98 64.5 50.6 76.0



#22
Diisopropyl ether
Concen: 22.220 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 45 Resp: 543579
Ion Ratio Lower Upper
45 100
43 59.3 46.2 69.4
87 24.4 23.4 35.0
59 11.6 9.4 14.0





#23

Vinyl Acetate

Concen: 107.698 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

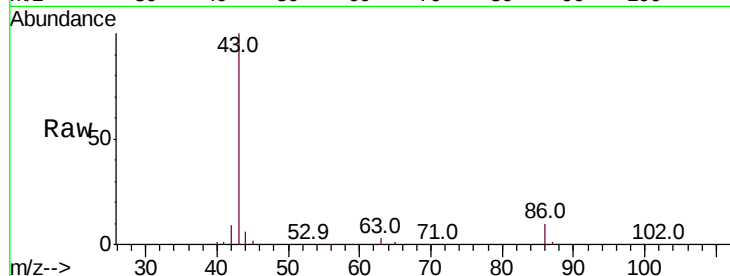
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1895325

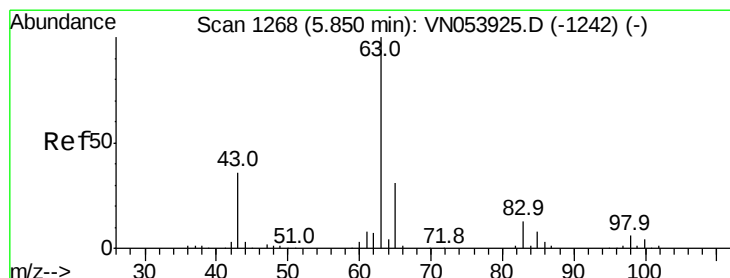
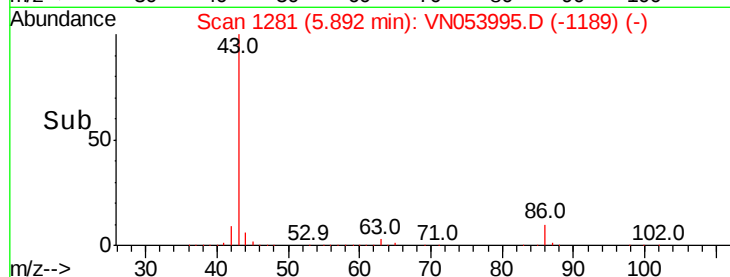
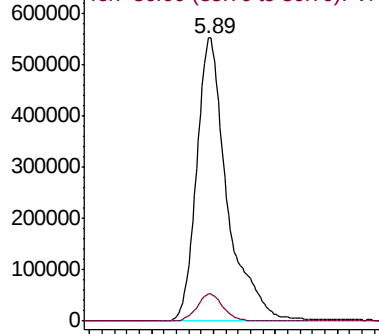
Ion Ratio Lower Upper

43 100

86 9.6 9.1 13.7



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



#24

1,1-Dichloroethane

Concen: 21.276 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

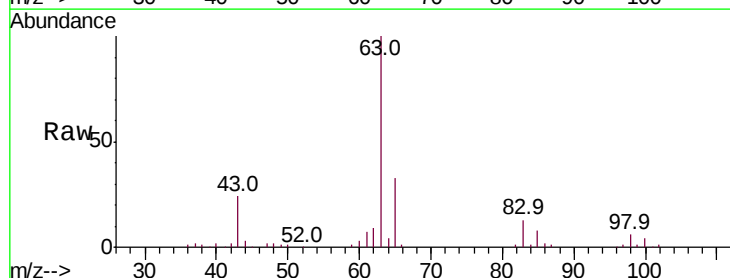
Tgt Ion: 63 Resp: 319178

Ion Ratio Lower Upper

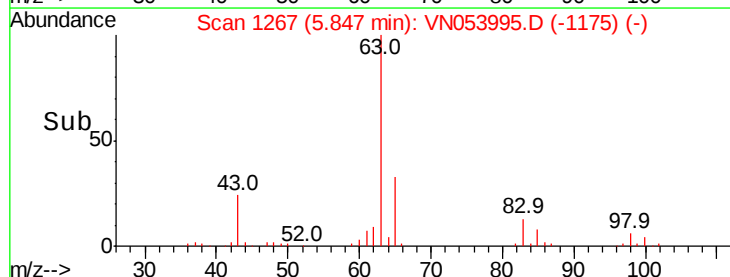
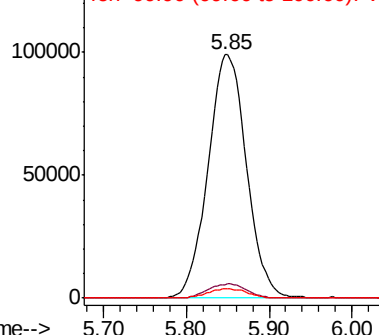
63 100

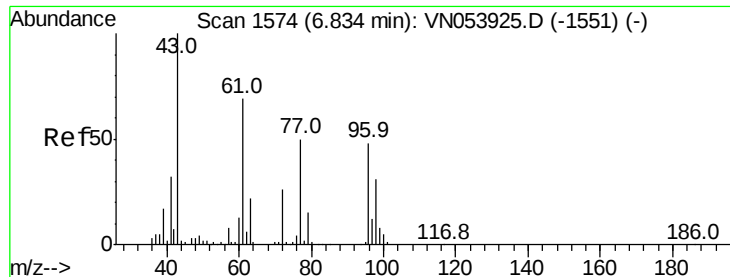
98 5.5 3.4 10.2

100 3.9 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 97.90 (97.60 to 98.60): VNO
Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 111.819 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

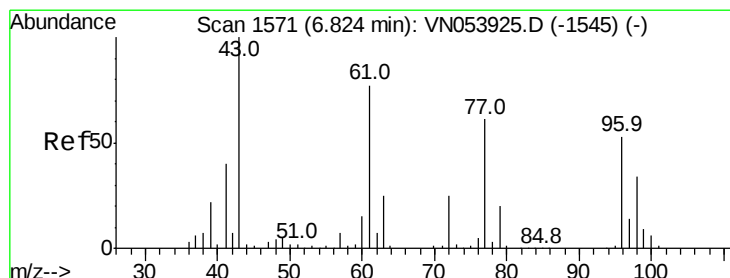
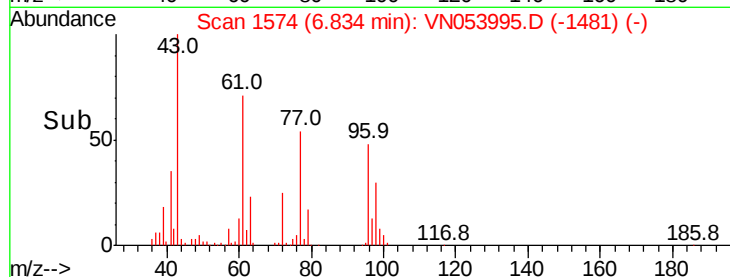
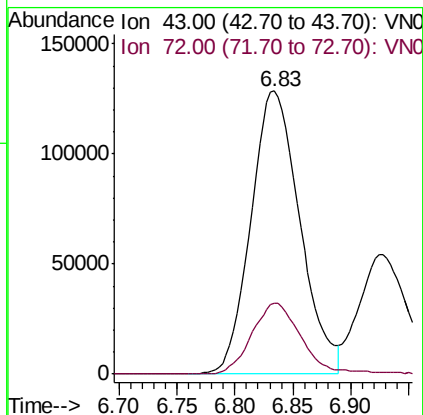
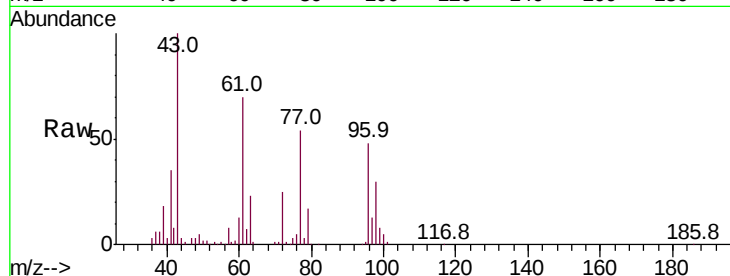
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 376943

Ion Ratio Lower Upper

43 100

72 25.2 22.1 33.1



#26

2,2-Dichloropropane

Concen: 22.514 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053995.D

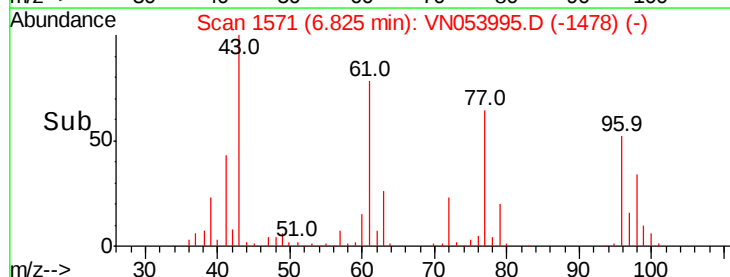
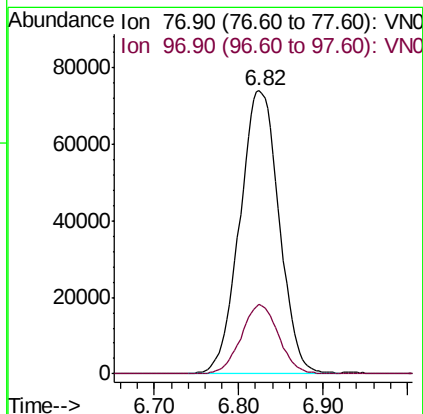
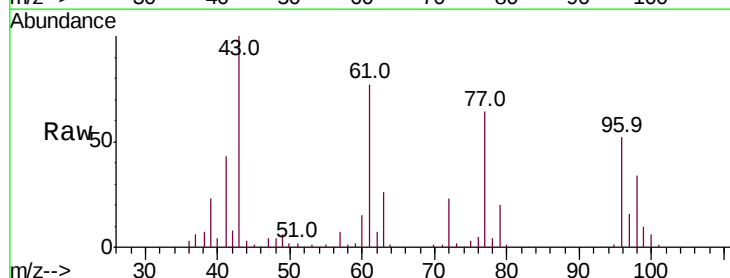
Acq: 28 Feb 2019 10:50

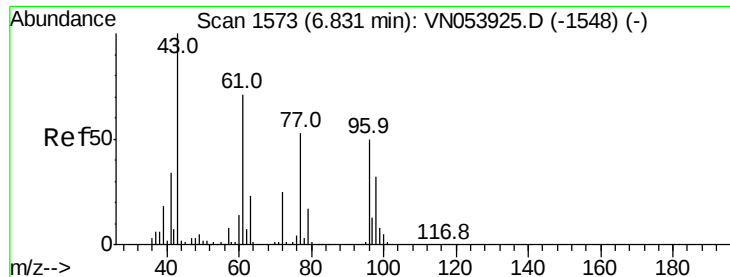
Tgt Ion: 77 Resp: 239963

Ion Ratio Lower Upper

77 100

97 23.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 21.226 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

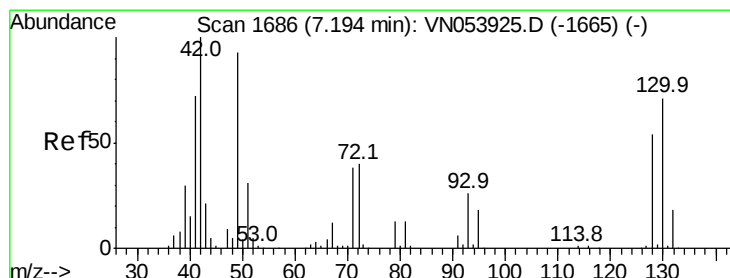
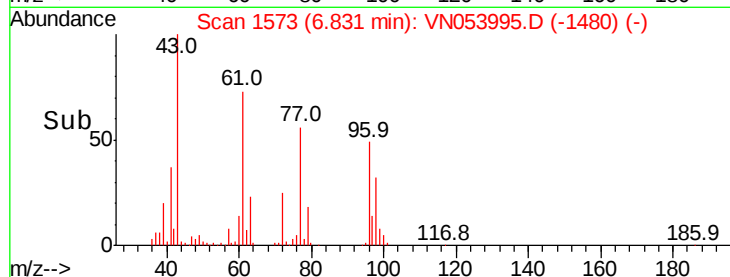
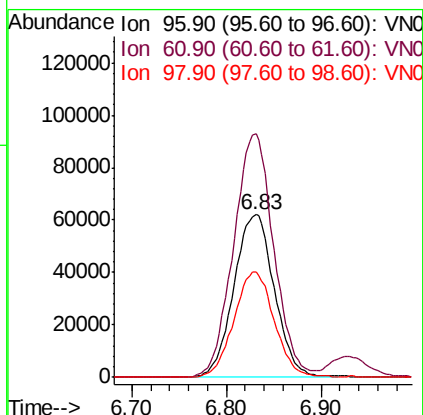
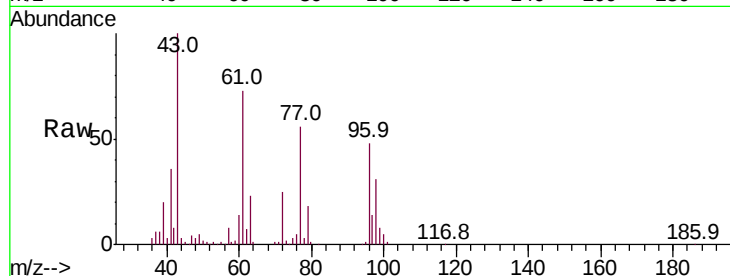
Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 184720

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	275.6
98	64.6	0.0	130.0



#28

Bromochloromethane

Concen: 23.017 ug/l

RT: 7.19 min Scan# 1686

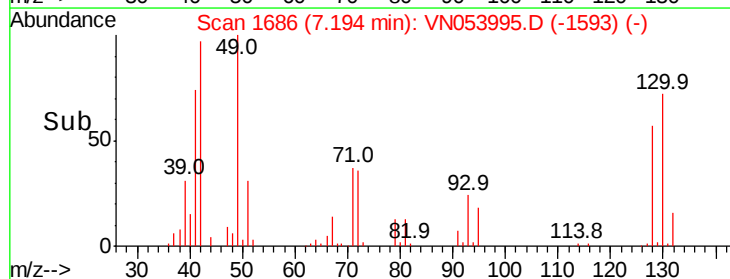
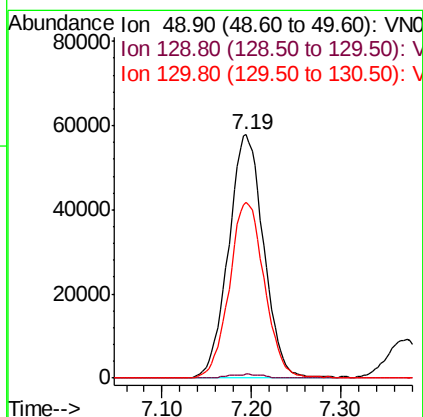
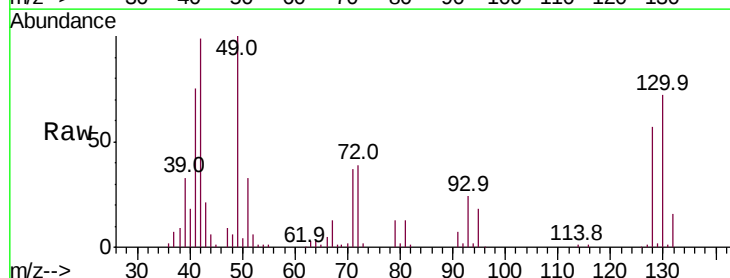
Delta R.T. 0.00 min

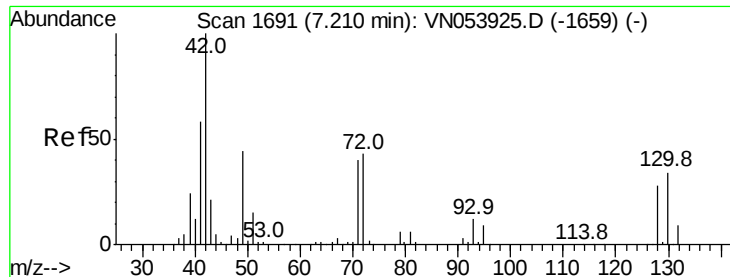
Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion: 49 Resp: 158055

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	72.2	72.9	109.3#

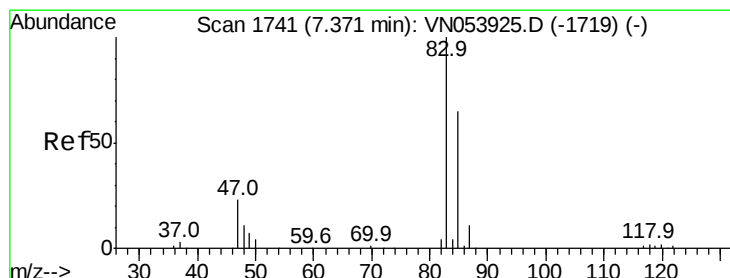
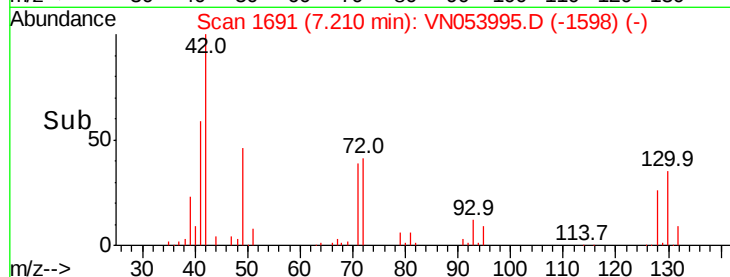
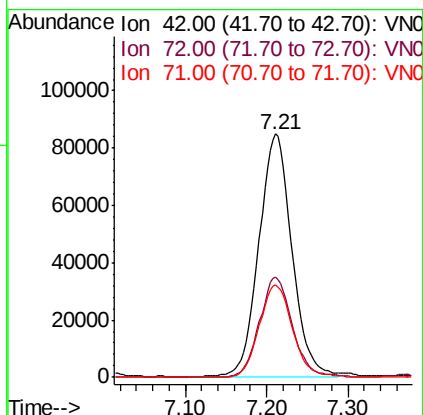
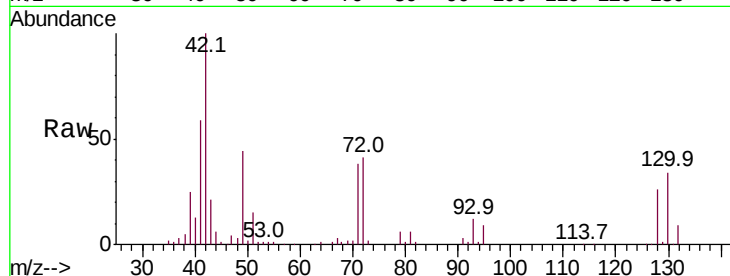




#29
Tetrahydrofuran
Concen: 106.566 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

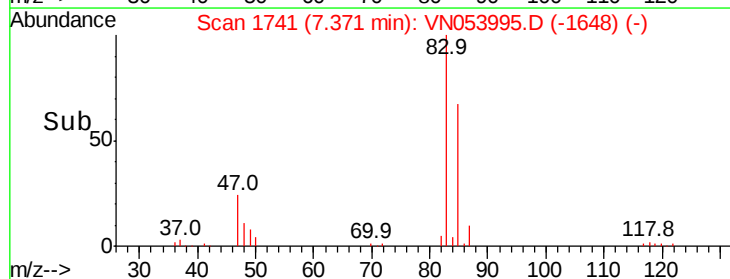
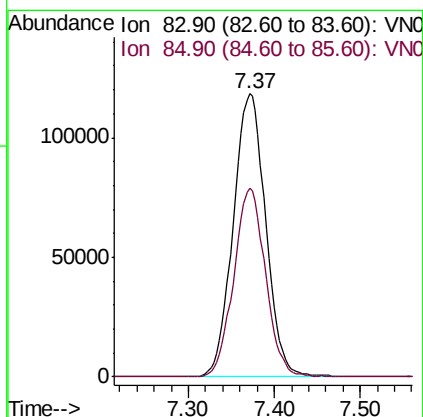
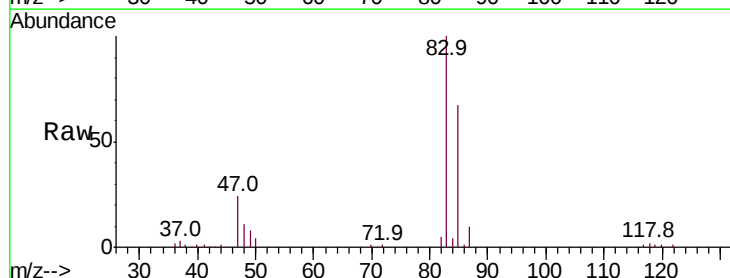
Instrument :
MSVOA_N
ClientSampleId :

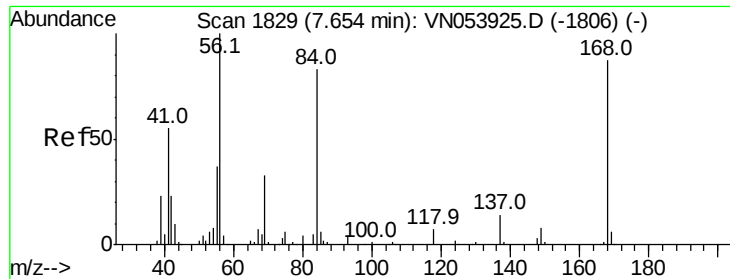
Tot Ion: 42 Resp: 239226
Ion Ratio Lower Upper
42 100
72 41.1 36.9 55.3
71 38.5 34.6 52.0



#30
Chloroform
Concen: 21.376 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 83 Resp: 310955
Ion Ratio Lower Upper
83 100
85 66.7 52.6 78.8

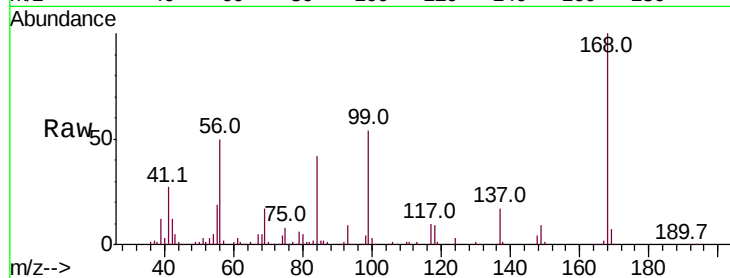




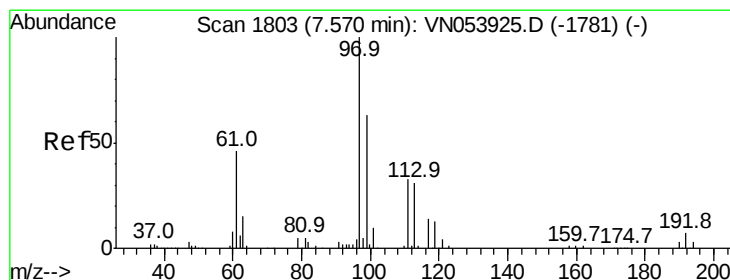
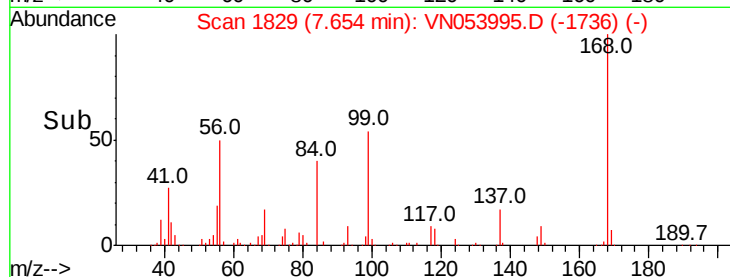
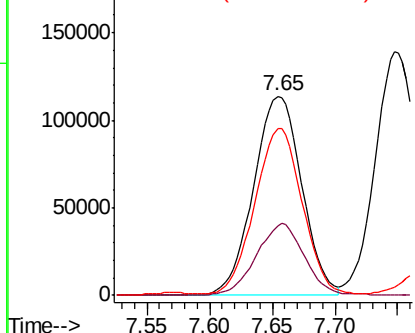
#31
Cyclohexane
Concen: 21.963 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 304683
Ion Ratio Lower Upper
56 100
69 35.1 26.0 39.0
84 82.6 69.1 103.7

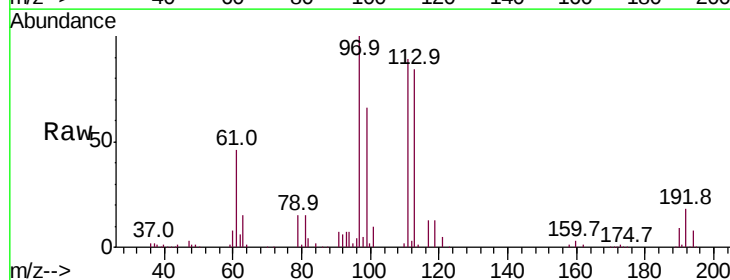


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

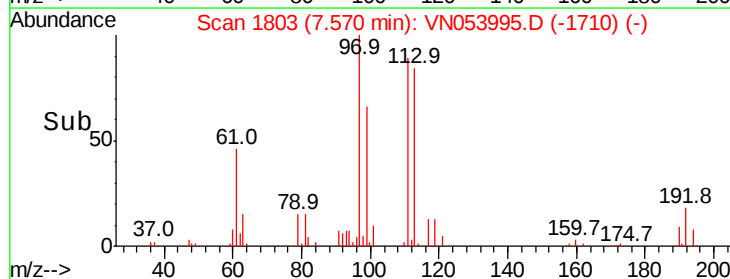
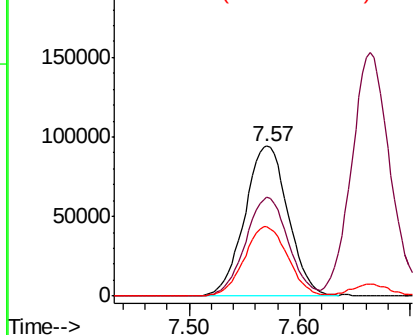


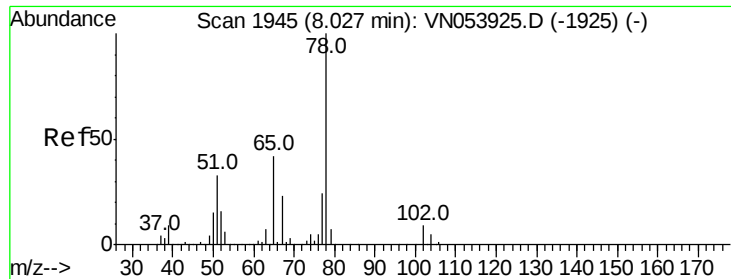
#32
1,1,1-Trichloroethane
Concen: 21.440 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 97 Resp: 257156
Ion Ratio Lower Upper
97 100
99 64.9 51.8 77.8
61 46.3 33.2 49.8



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

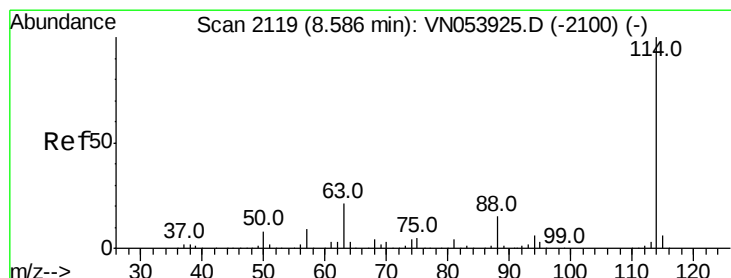
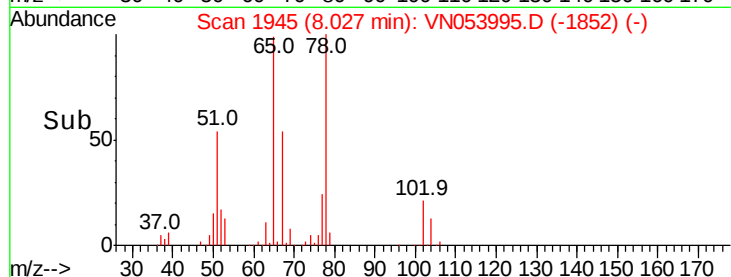
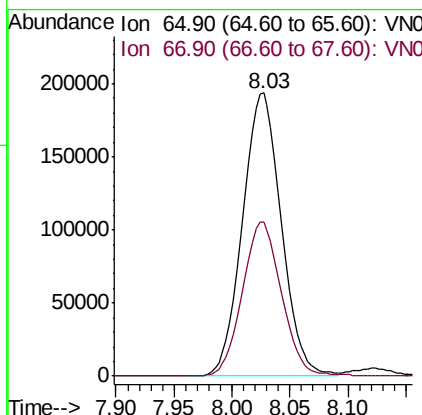
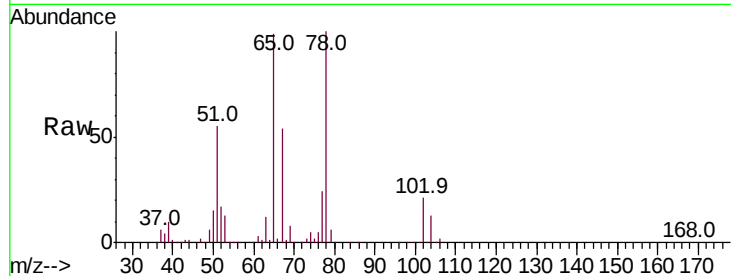




#33
 1,2-Dichloroethane-d4
 Concen: 52.663 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

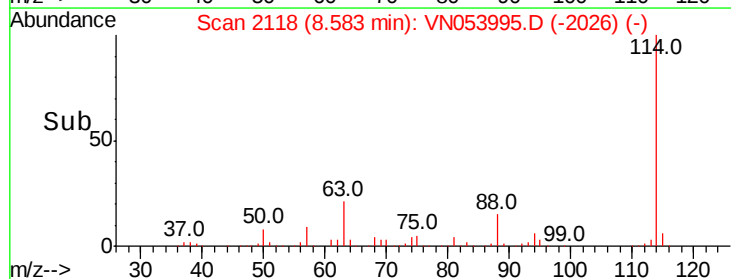
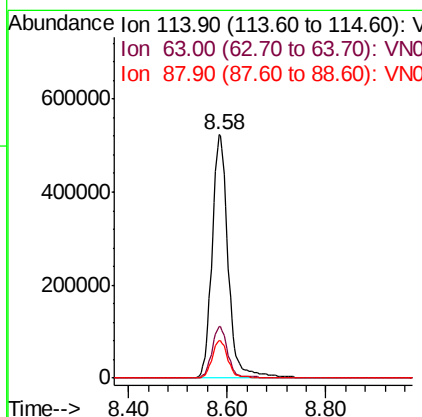
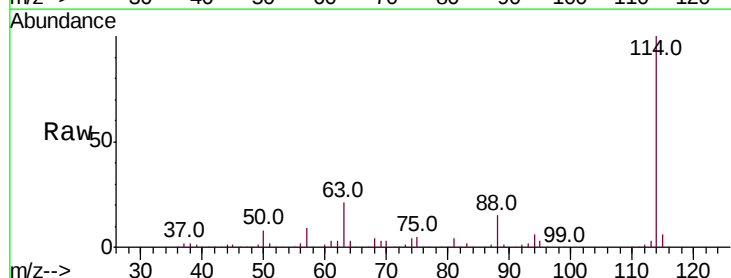
Instrument :
 MSVOA_N
 ClientSampleId :

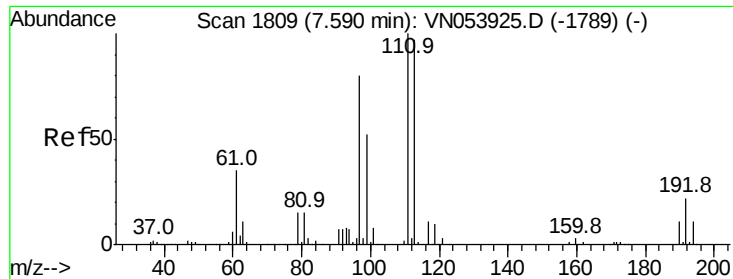
Tot Ion: 65 Resp: 452127
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion:114 Resp: 1176905
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 37.4
 88 15.4 0.0 30.4

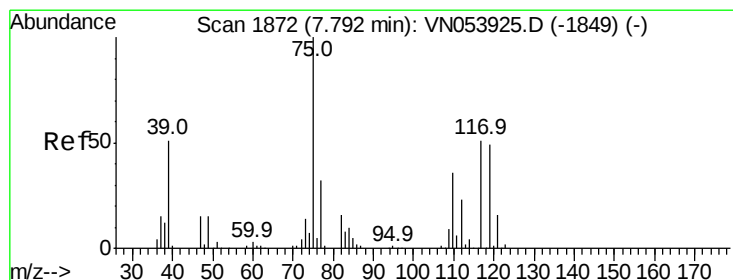
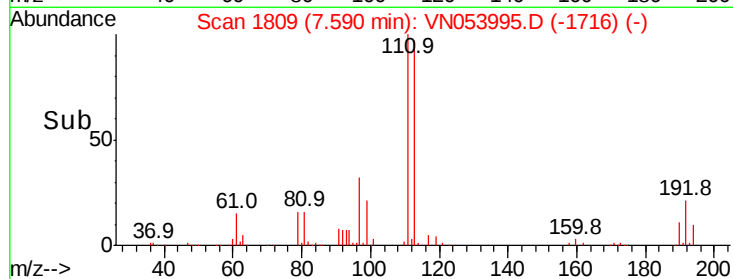
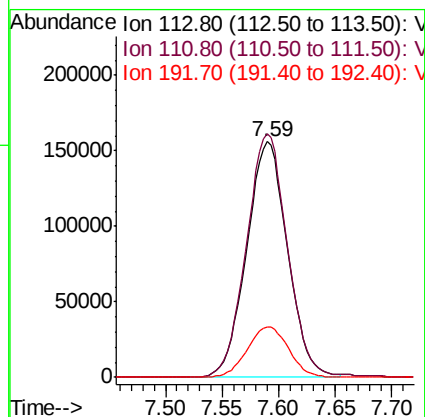
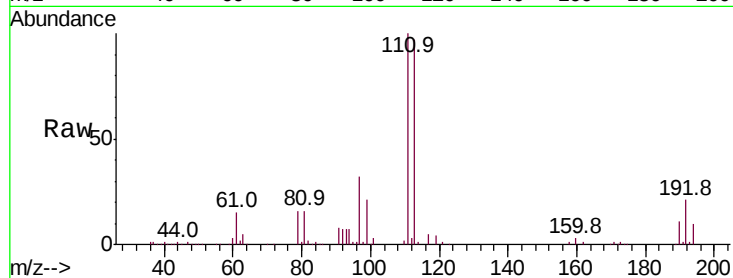




#35
 Dibromofluoromethane
 Concen: 51.626 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

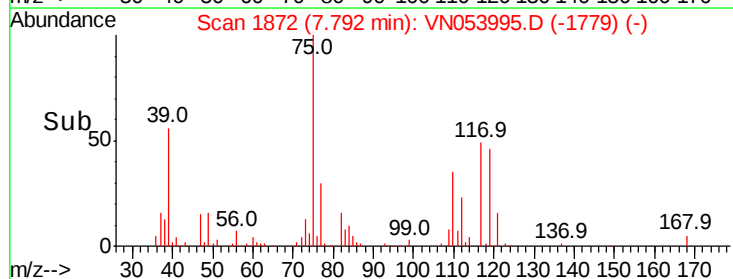
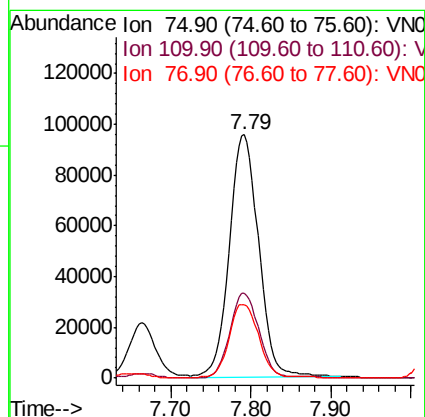
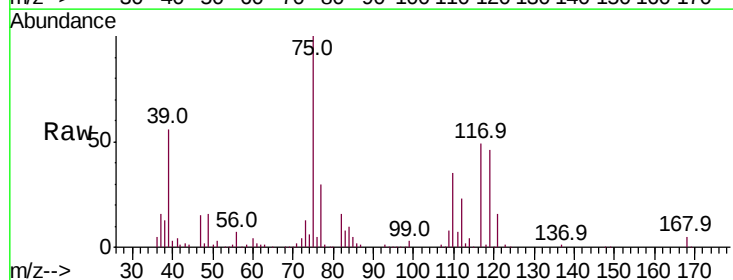
Instrument :
 MSVOA_N
 ClientSampleId :

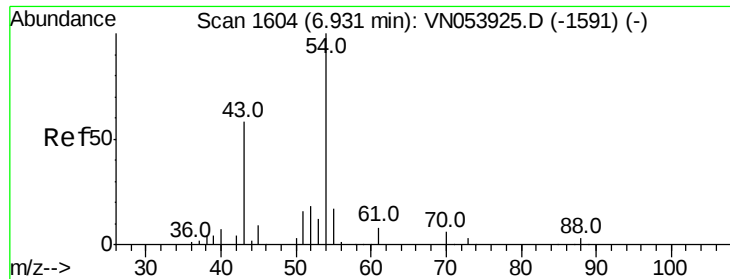
Tot Ion:113 Resp: 392901
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.1 121.7
 192 21.7 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 21.860 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion: 75 Resp: 239252
 Ion Ratio Lower Upper
 75 100
 110 35.1 19.0 57.0
 77 30.9 25.4 38.0

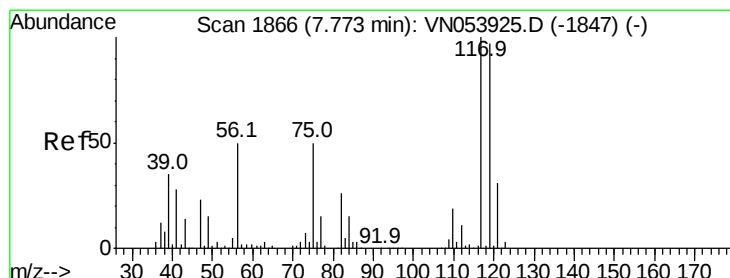
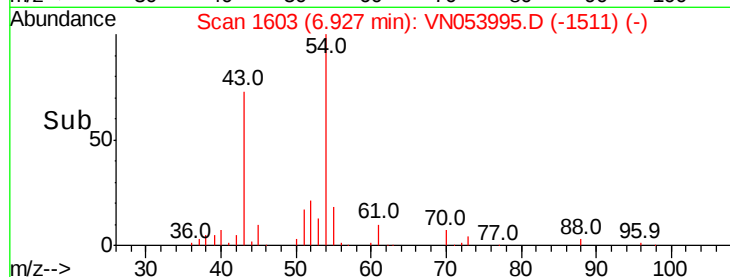
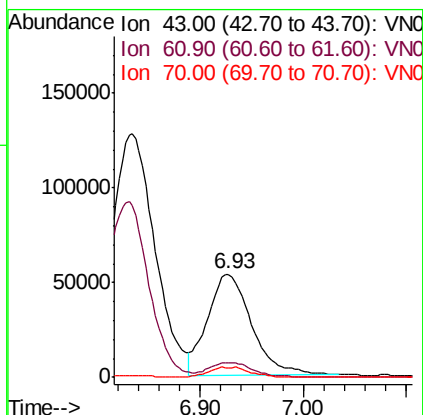
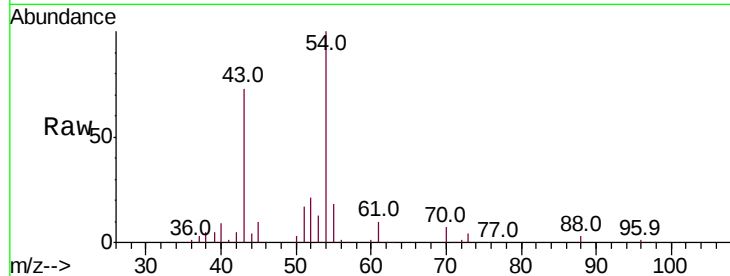




#37
Ethyl Acetate
Concen: 20.360 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

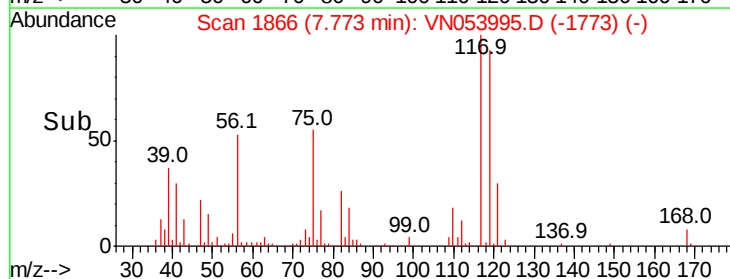
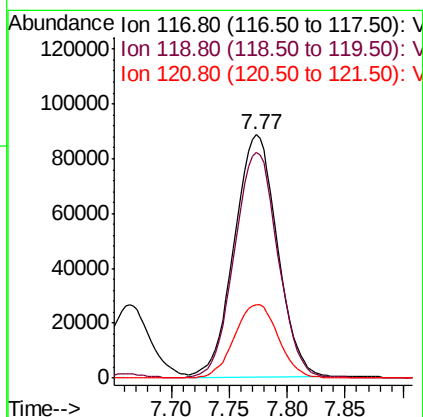
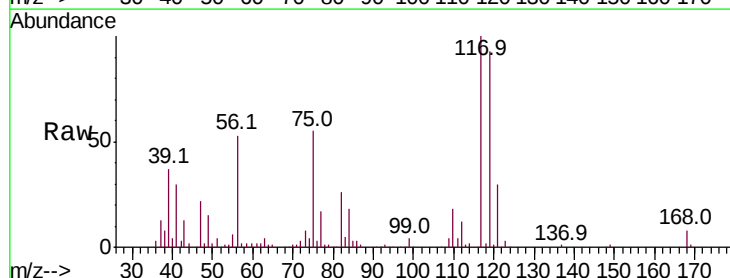
Instrument :
MSVOA_N
ClientSampled :

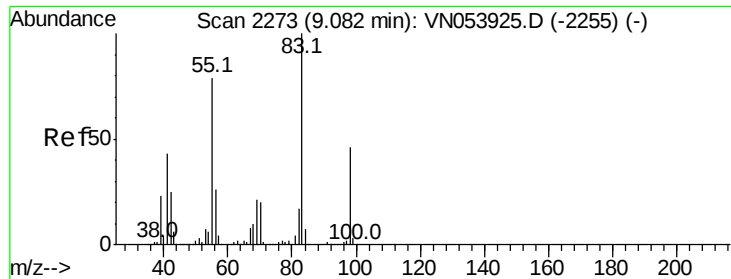
Tot Ion: 43 Resp: 159115
Ion Ratio Lower Upper
43 100
61 14.1 12.0 18.0
70 4.9 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 20.060 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 117 Resp: 228347
Ion Ratio Lower Upper
117 100
119 92.7 76.2 114.2
121 30.5 24.6 36.8

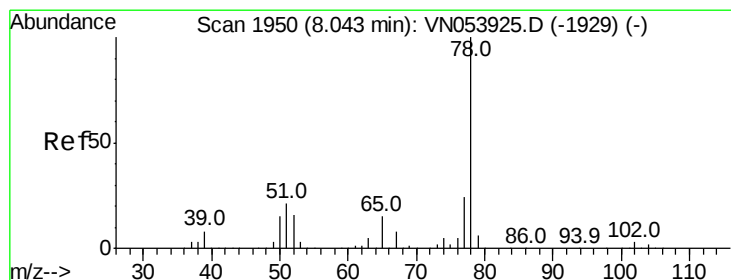
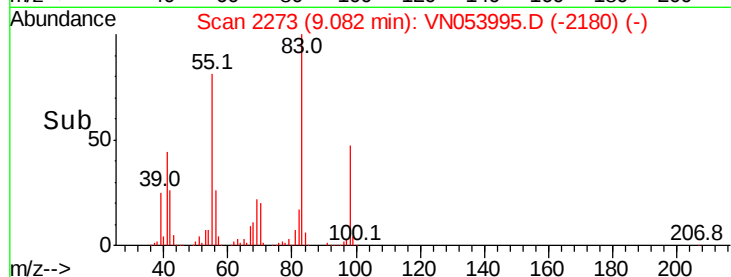
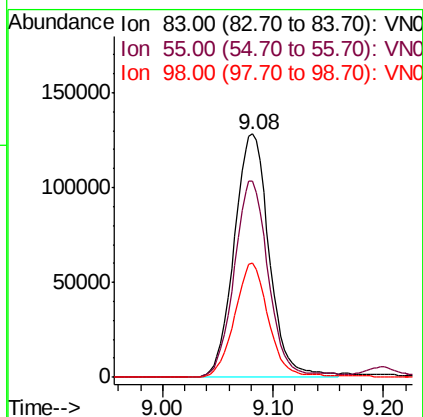
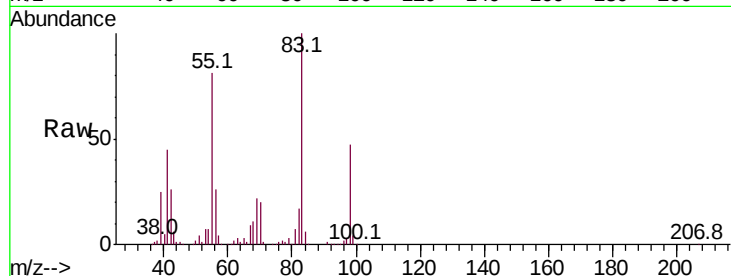




#39
Methvlcvclohexane
Concen: 21.413 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

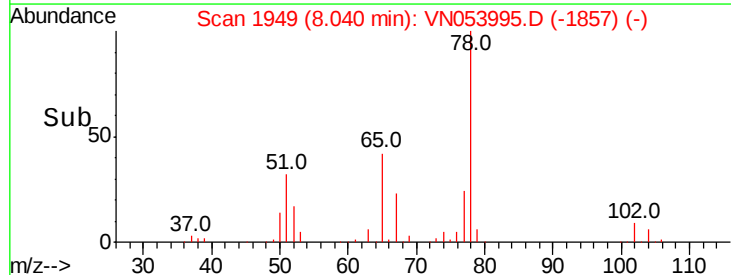
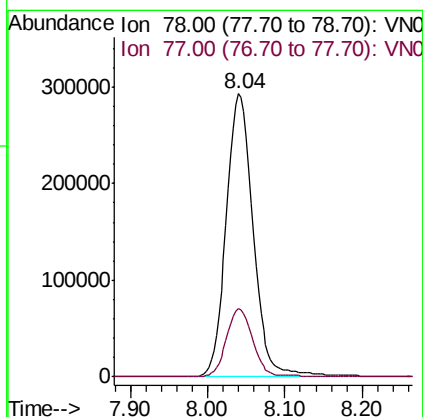
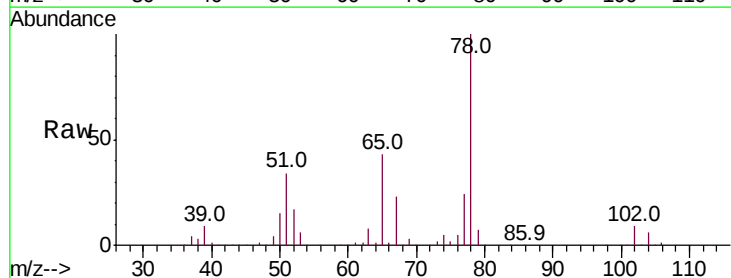
Instrument :
MSVOA_N
ClientSampleId :

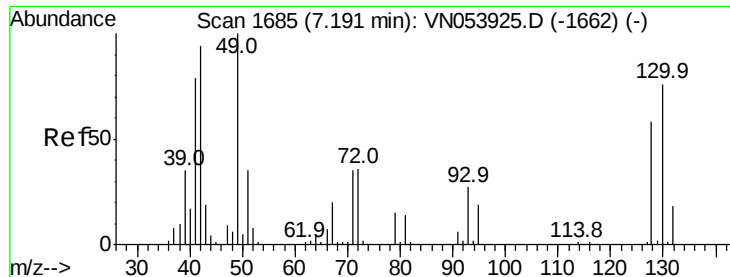
Tot Ion: 83 Resp: 282481
Ion Ratio Lower Upper
83 100
55 80.7 58.2 87.4
98 46.9 37.2 55.8



#40
Benzene
Concen: 21.079 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 78 Resp: 708726
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

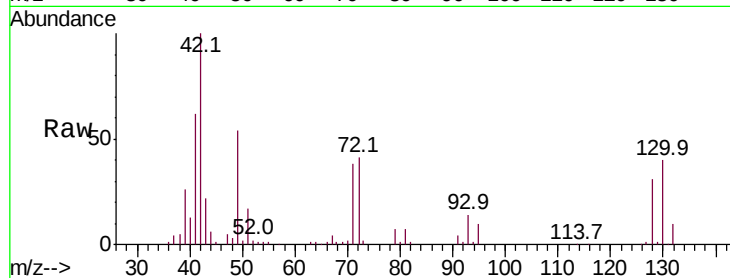




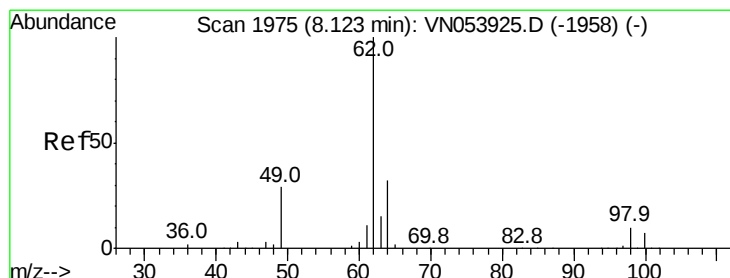
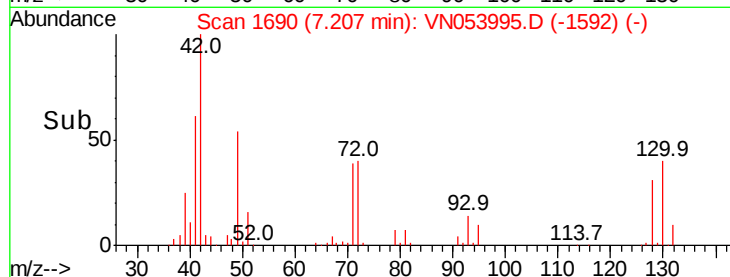
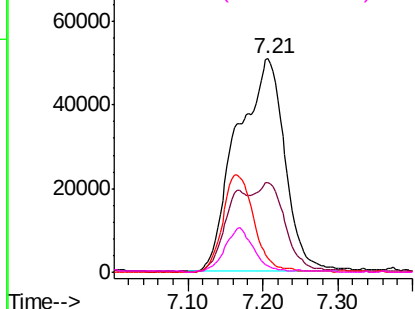
#41
Methacrylonitrile
Concen: 44.971 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.02 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 226300
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

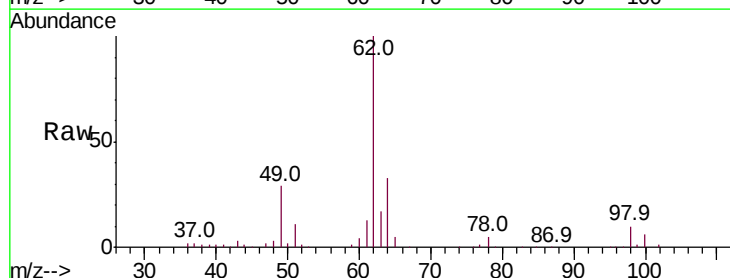


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

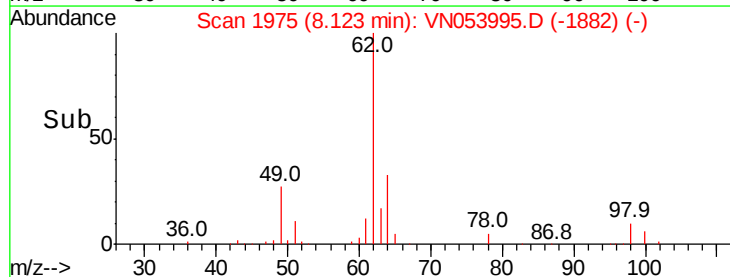
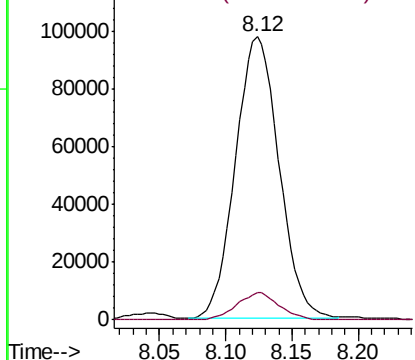


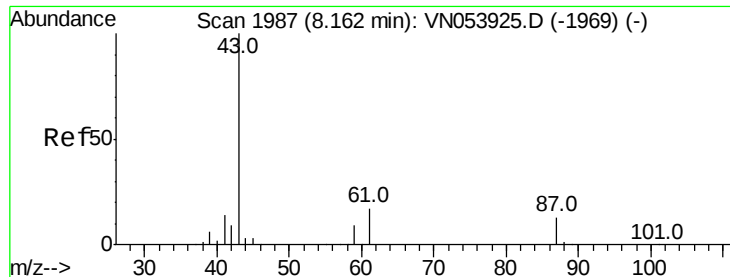
#42
1,2-Dichloroethane
Concen: 21.424 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 62 Resp: 223017
Ion Ratio Lower Upper
62 100
98 9.5 0.0 20.8



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





#43

Isopropyl Acetate

Concen: 20.337 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

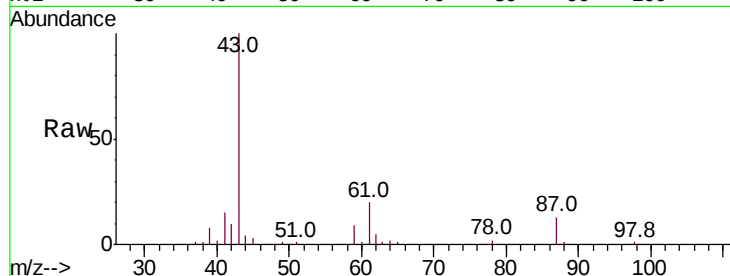
Tot Ion: 43 Resp: 268349

Ion Ratio Lower Upper

43 100

61 18.8 17.4 26.0

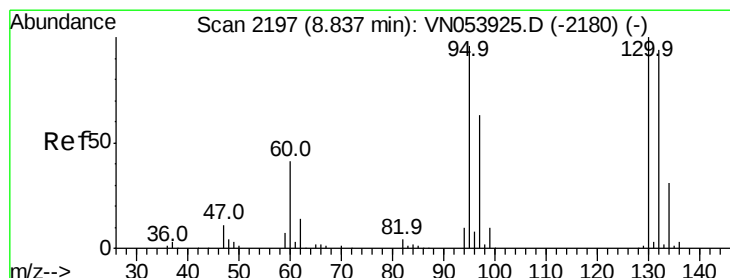
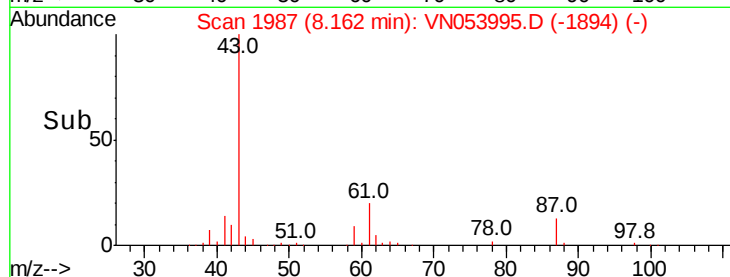
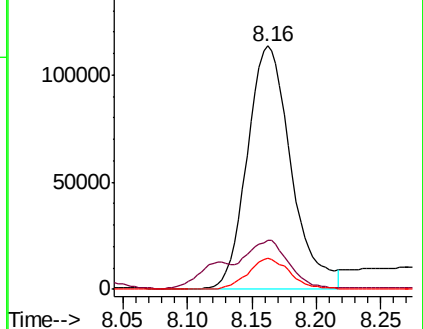
87 12.2 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053925.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053925.D (-1969) (-)



#44

Trichloroethene

Concen: 21.345 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053995.D

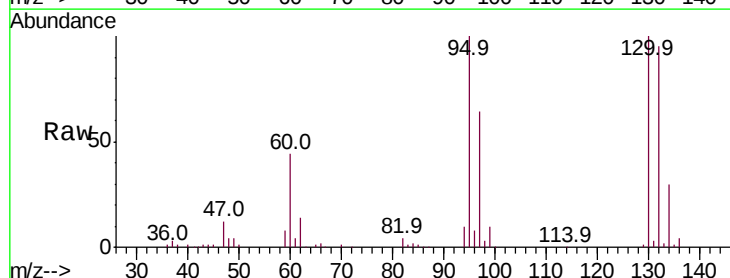
Acq: 28 Feb 2019 10:50

Tgt Ion:130 Resp: 190262

Ion Ratio Lower Upper

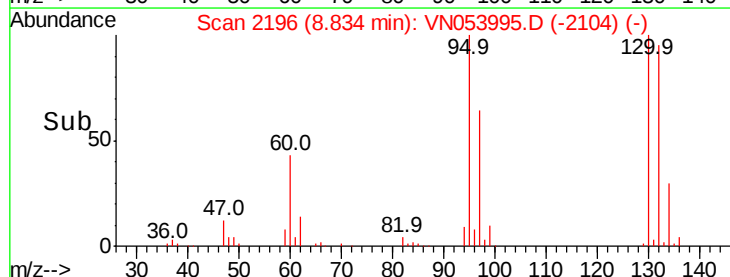
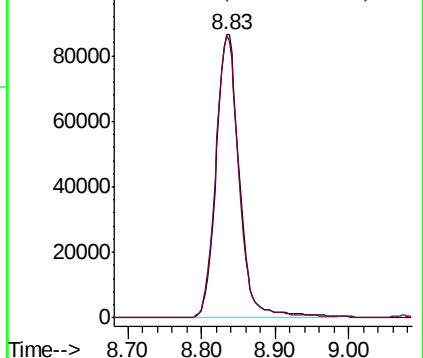
130 100

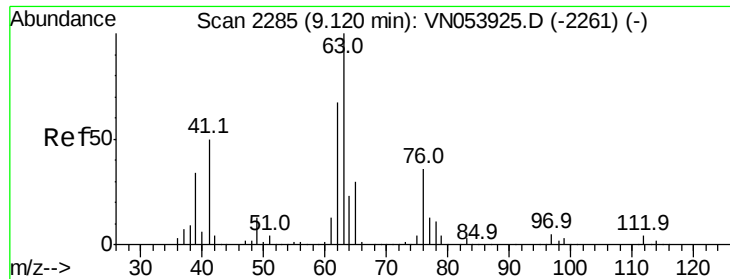
95 99.7 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053925.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN053925.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 21.289 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

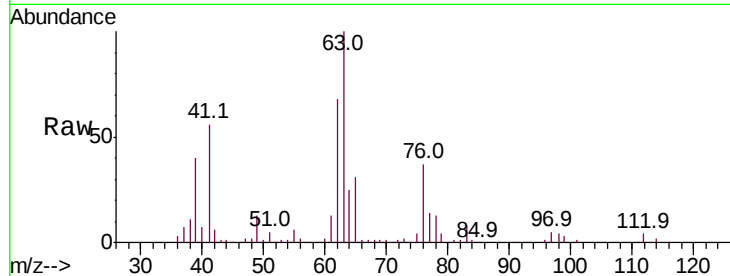
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 193121

Ion Ratio Lower Upper

63 100

65 30.9 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

100000

80000

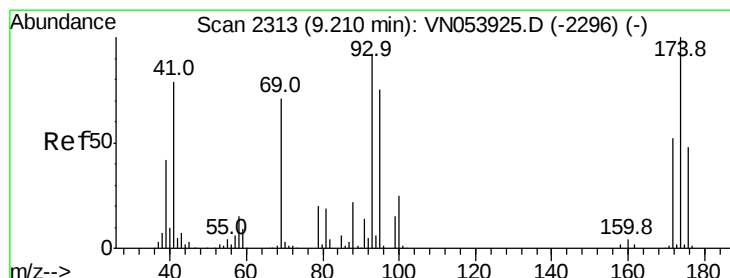
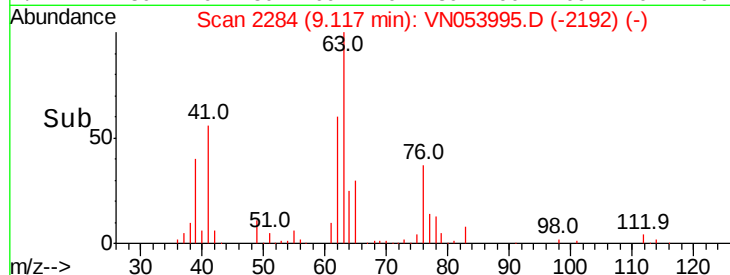
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 21.239 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

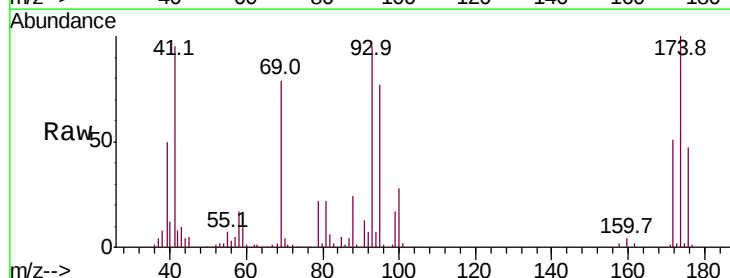
Tgt Ion: 93 Resp: 111854

Ion Ratio Lower Upper

93 100

95 81.9 66.6 100.0

174 105.6 96.2 144.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

80000

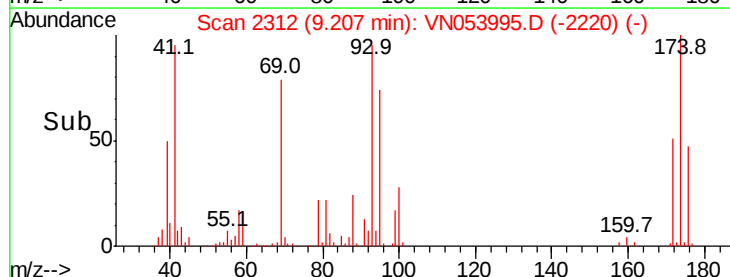
60000

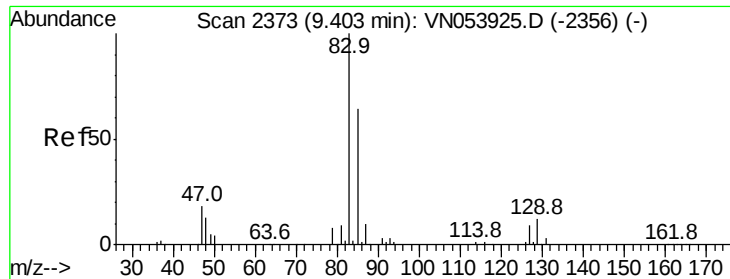
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 21.451 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :

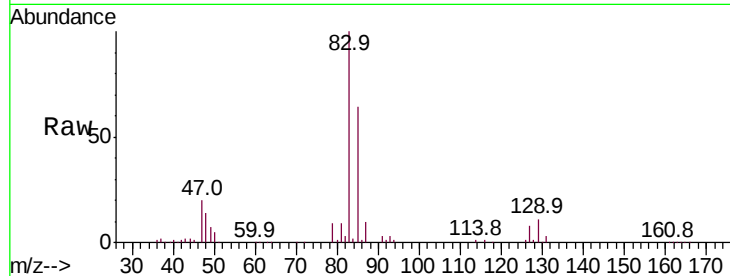
Tot Ion: 83 Resp: 238077

Ion Ratio Lower Upper

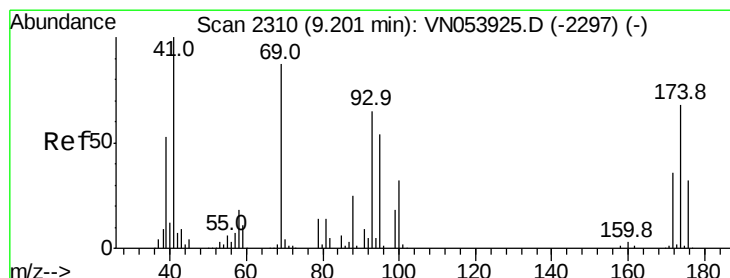
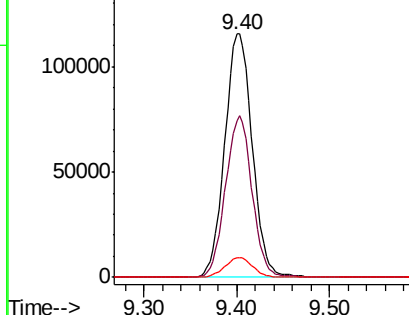
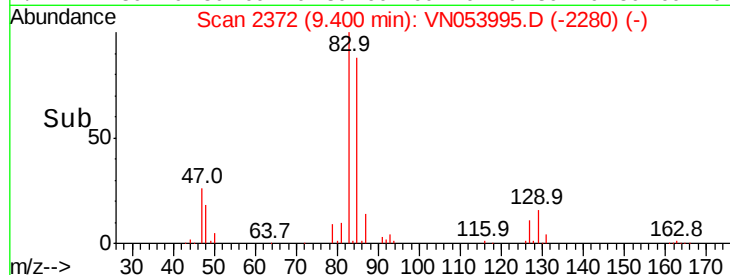
83 100

85 64.1 51.8 77.6

127 7.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.237 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

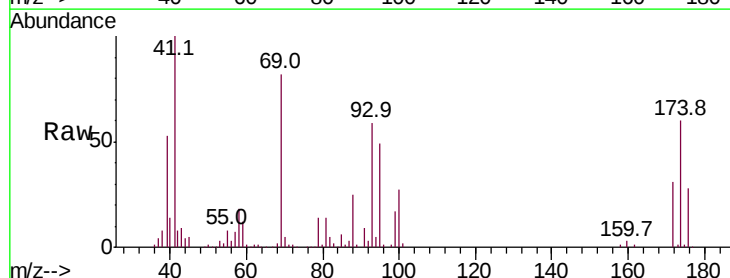
Tgt Ion: 41 Resp: 128897

Ion Ratio Lower Upper

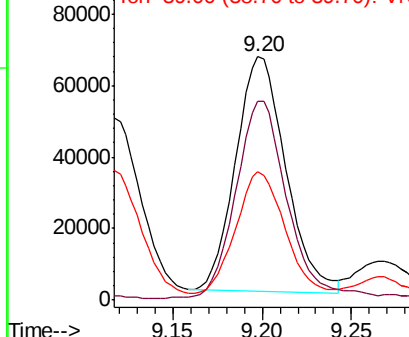
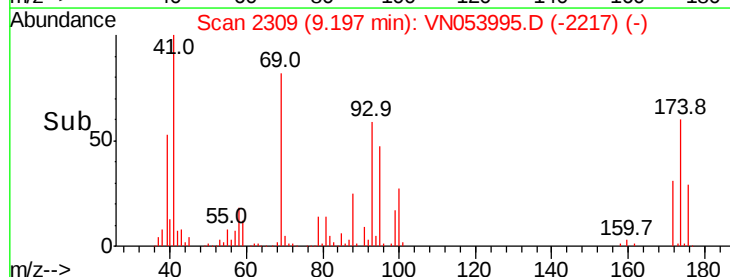
41 100

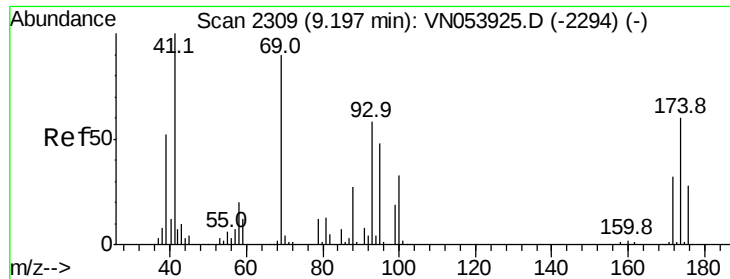
69 86.0 74.8 112.2

39 55.3 39.0 58.6



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





#49

1,4-Dioxane

Concen: 443.649 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :

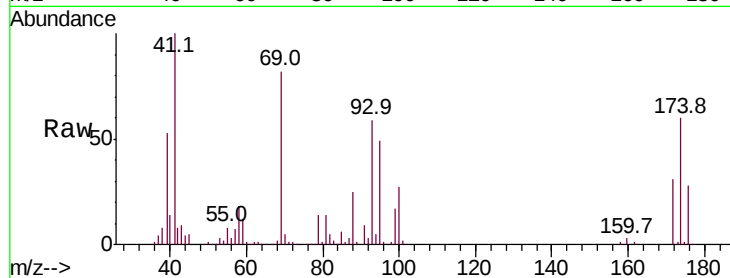
Tot Ion: 88 Resp: 36470

Ion Ratio Lower Upper

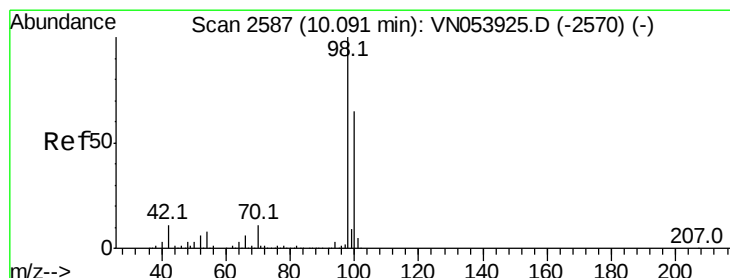
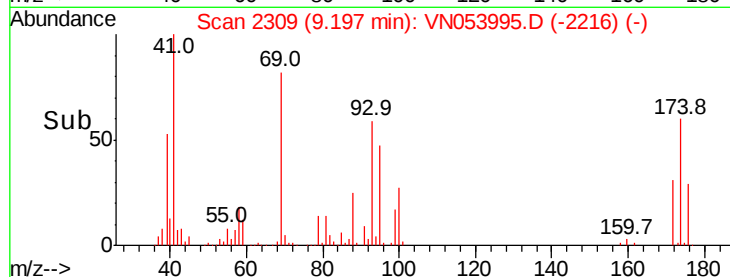
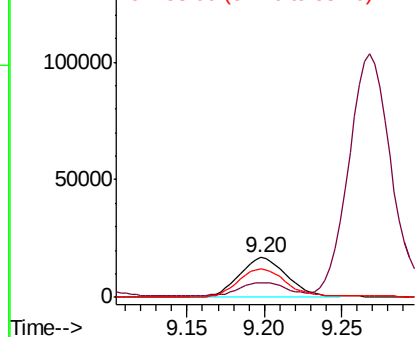
88 100

43 32.9 21.2 31.8#

58 72.2 54.2 81.2



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



#50

Toluene-d8

Concen: 52.550 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053995.D

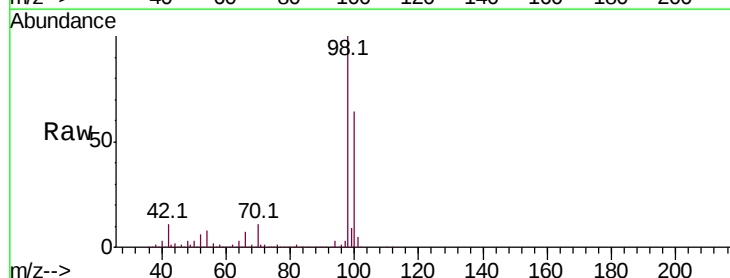
Acq: 28 Feb 2019 10:50

Tgt Ion: 98 Resp: 1488769

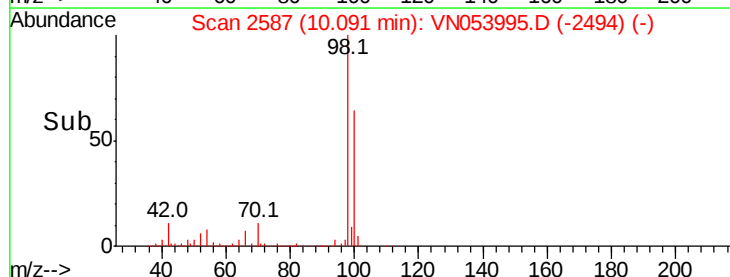
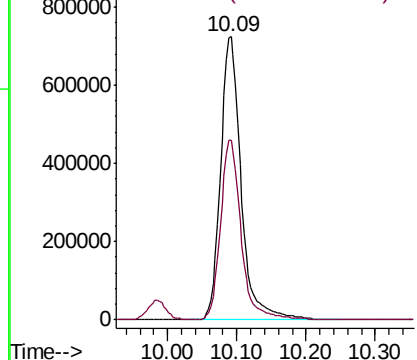
Ion Ratio Lower Upper

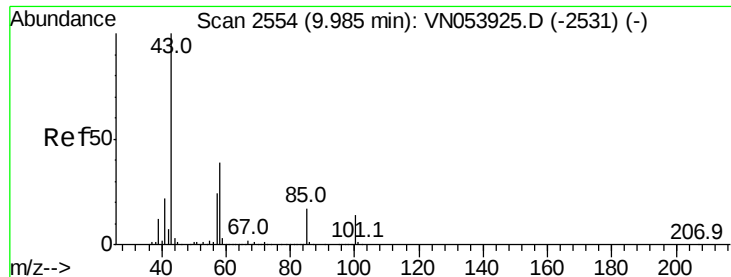
98 100

100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 109.772 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

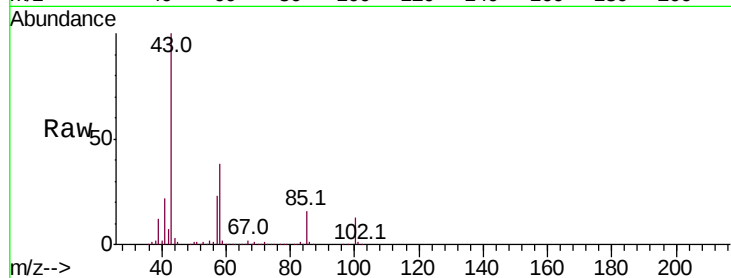
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 744311

Ion Ratio Lower Upper

43 100

58 37.9 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-2531) (-)

9.98

400000

300000

200000

100000

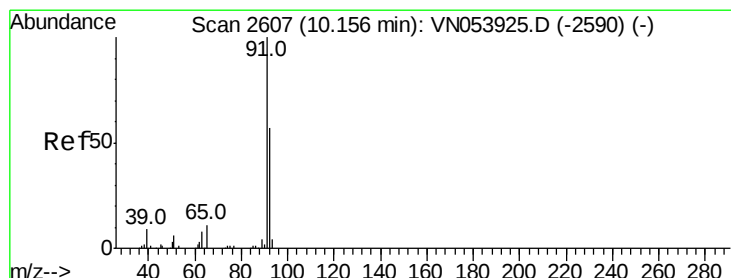
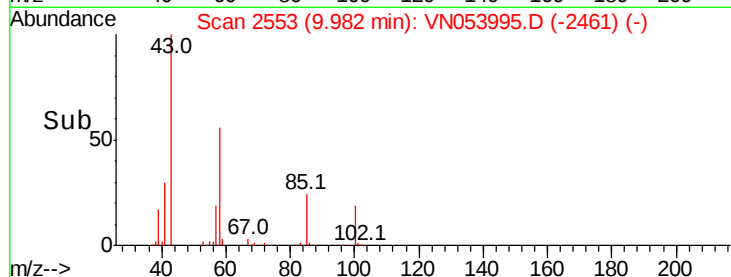
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 21.466 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053995.D

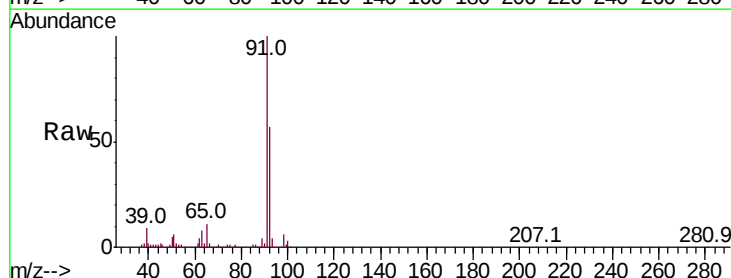
Acq: 28 Feb 2019 10:50

Tgt Ion: 92 Resp: 424998

Ion Ratio Lower Upper

92 100

91 176.7 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN053925.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN053925.D (-2590) (-)

10.16

400000

300000

200000

100000

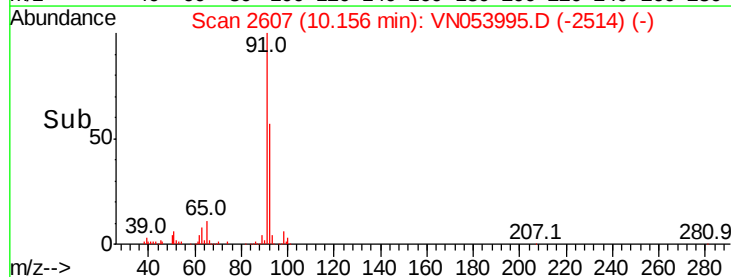
0

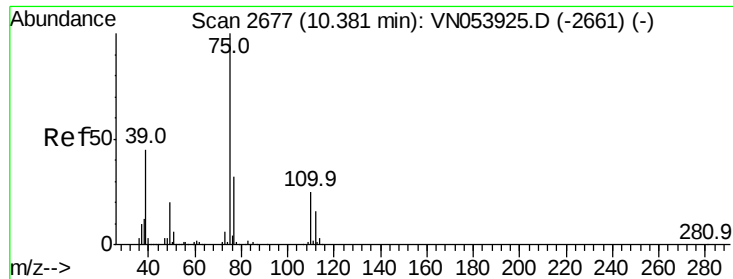
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.532 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

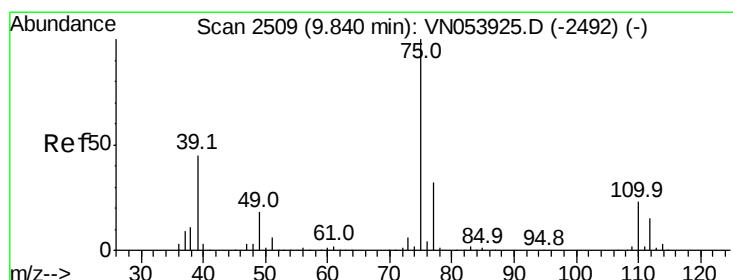
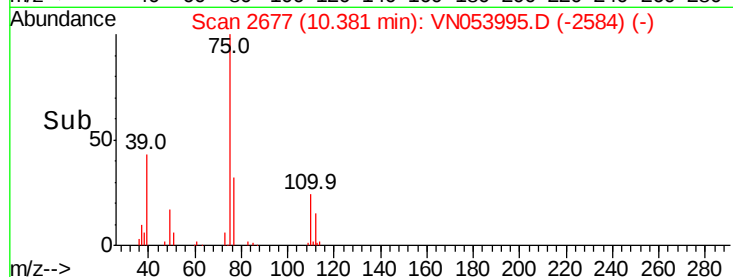
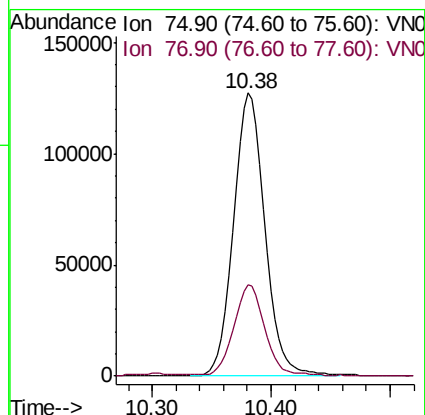
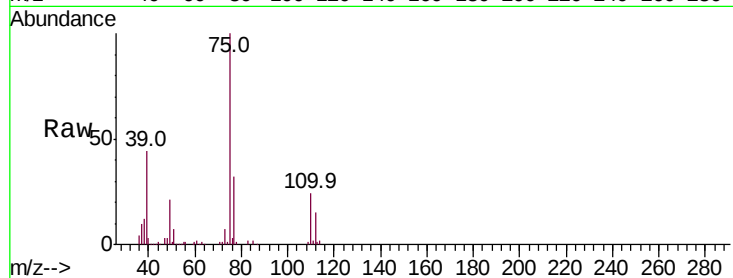
ClientSampled :

Tot Ion: 75 Resp: 232520

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 21.475 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

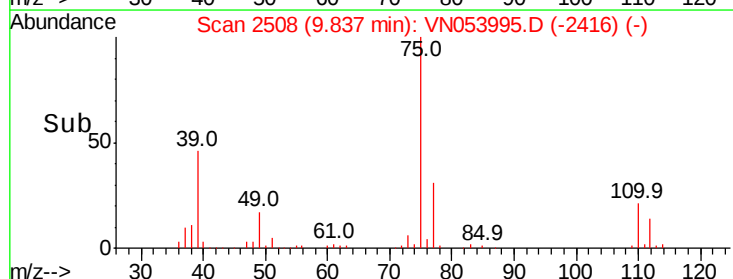
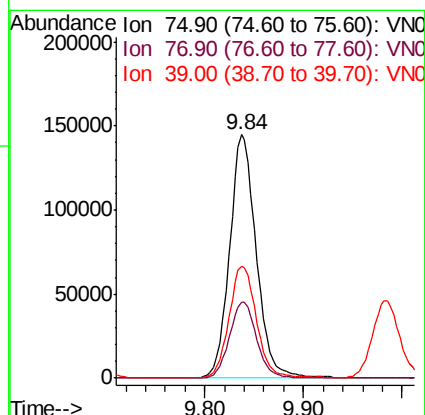
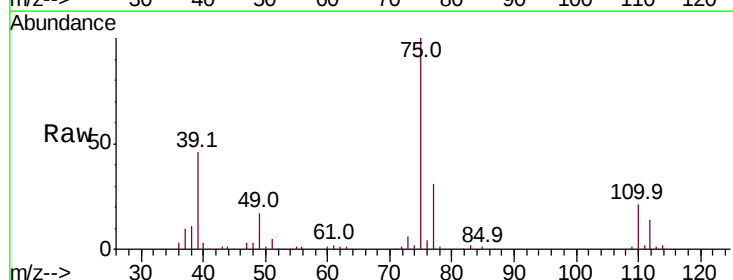
Tgt Ion: 75 Resp: 273381

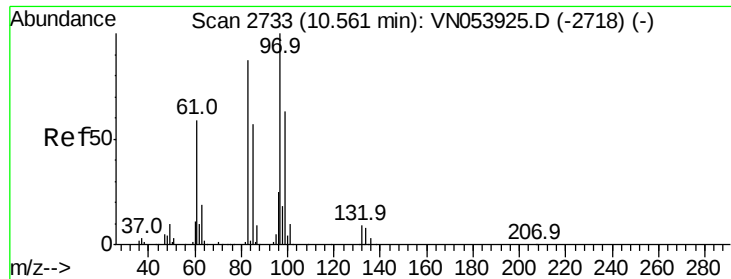
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

39 45.8 31.4 47.0





#55

1,1,2-Trichloroethane

Concen: 21.206 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

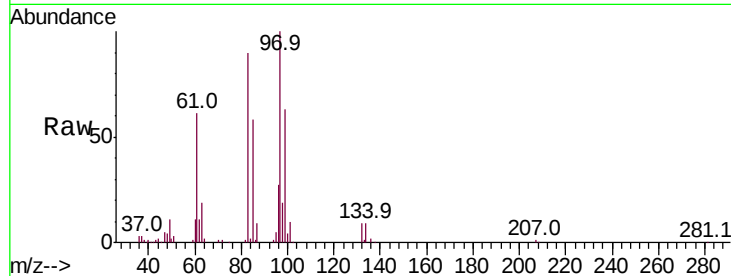
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 156792

Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.5	104.3
85	57.7	45.9	68.9
99	63.0	49.1	73.7



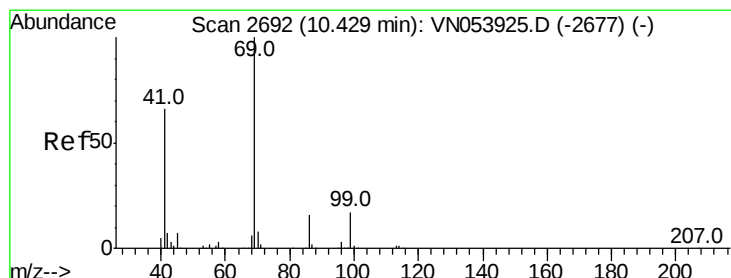
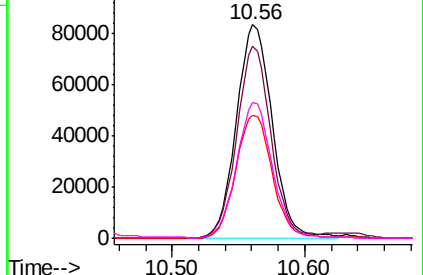
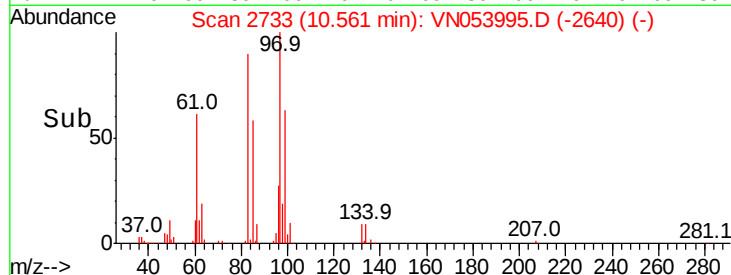
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.461 ug/l

RT: 10.43 min Scan# 2692

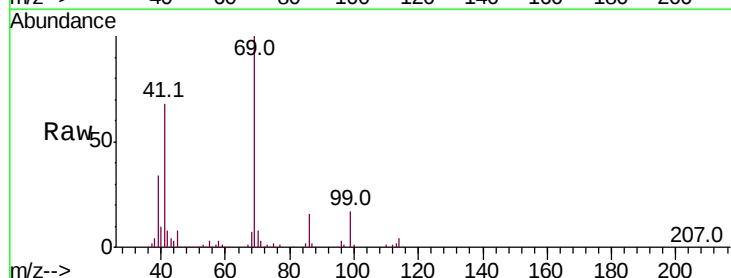
Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion: 69 Resp: 186718

Ion	Ratio	Lower	Upper
69	100		
41	66.3	47.5	71.3
39	34.8	23.4	35.0

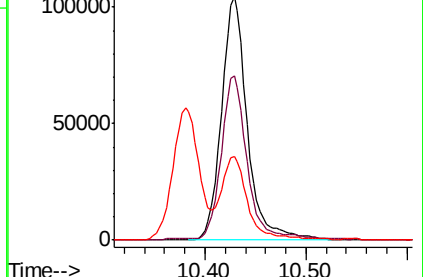
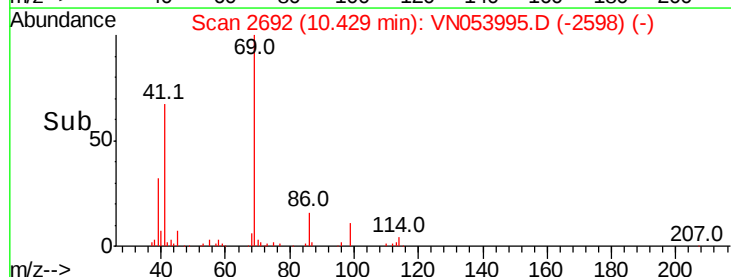


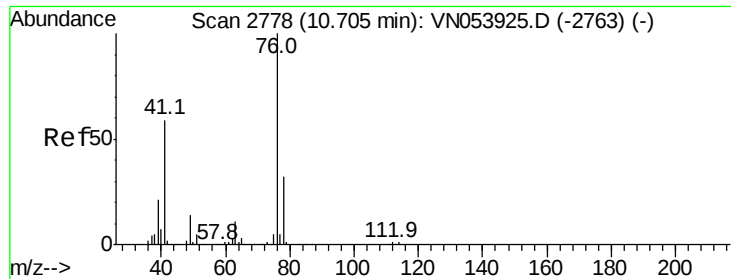
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.512 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

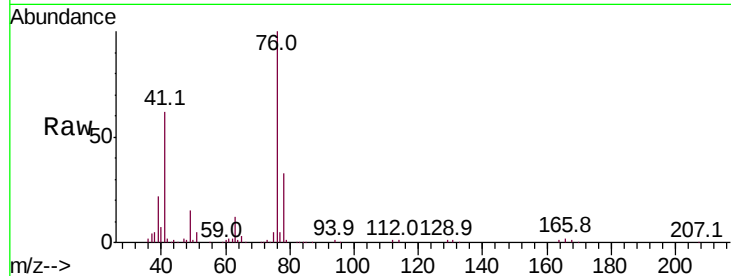
ClientSampleId :

Tot Ion: 76 Resp: 268753

Ion Ratio Lower Upper

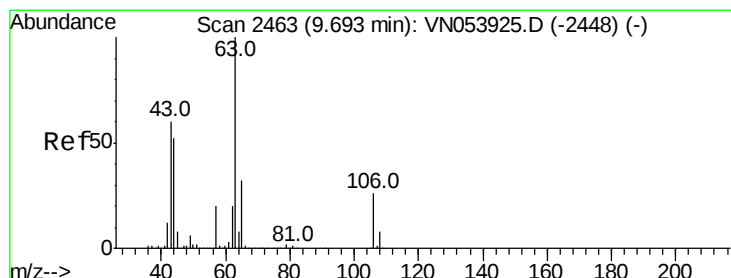
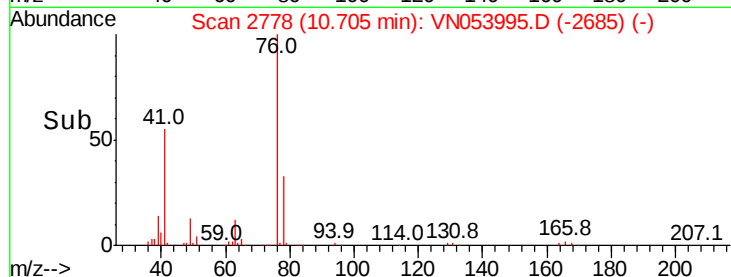
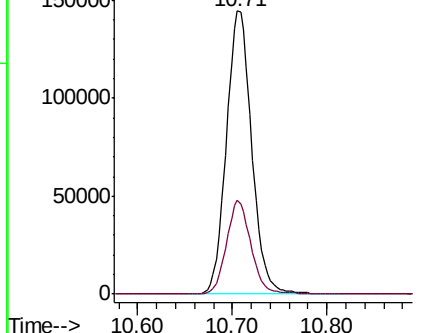
76 100

78 32.1 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 105.942 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053995.D

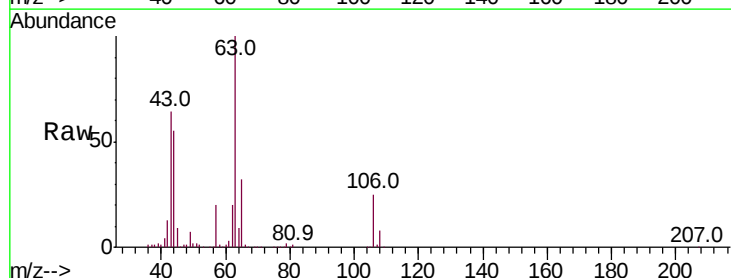
Acq: 28 Feb 2019 10:50

Tgt Ion: 63 Resp: 440722

Ion Ratio Lower Upper

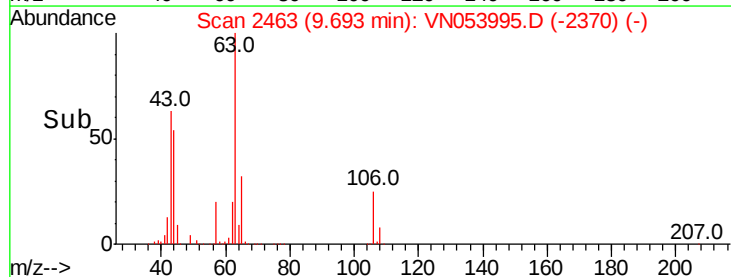
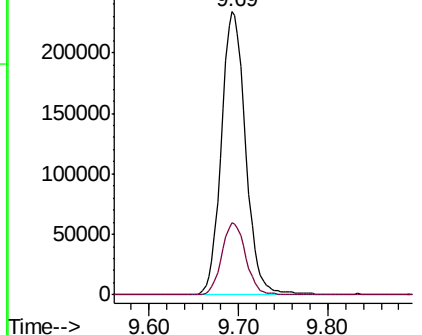
63 100

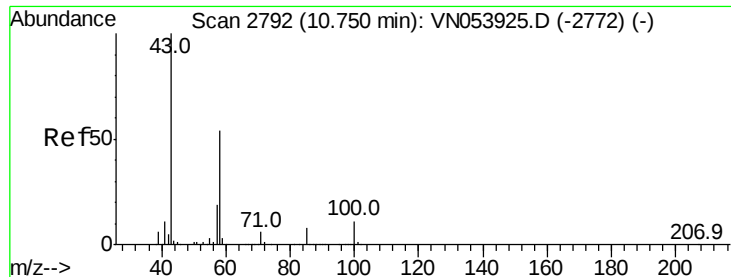
106 25.3 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 110.967 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

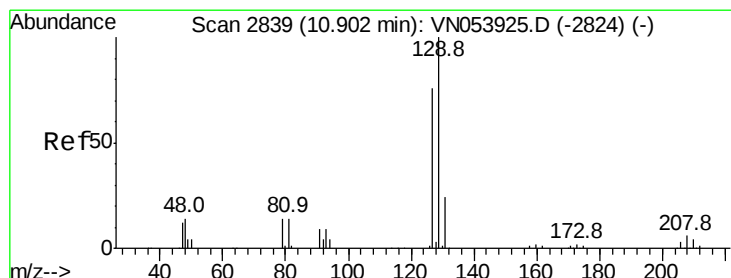
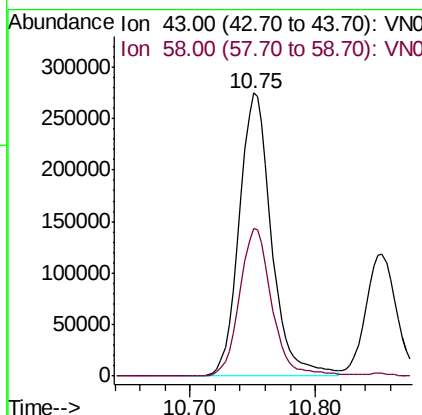
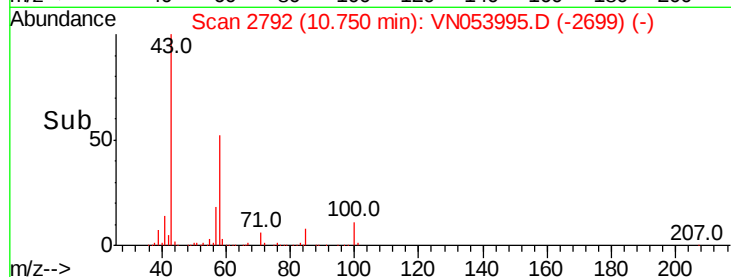
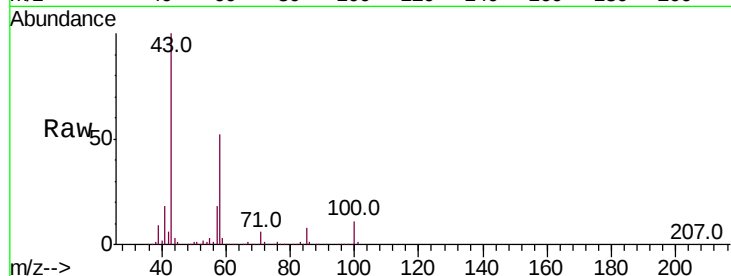
ClientSampleId :

Tot Ion: 43 Resp: 489353

Ion Ratio Lower Upper

43 100

58 52.4 29.1 87.4



#60

Dibromochloromethane

Concen: 21.046 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053995.D

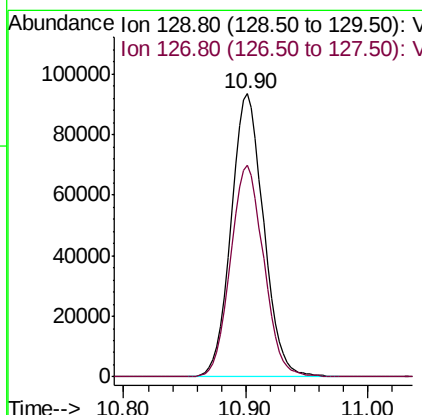
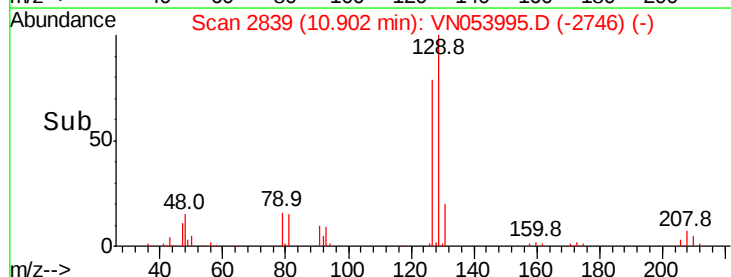
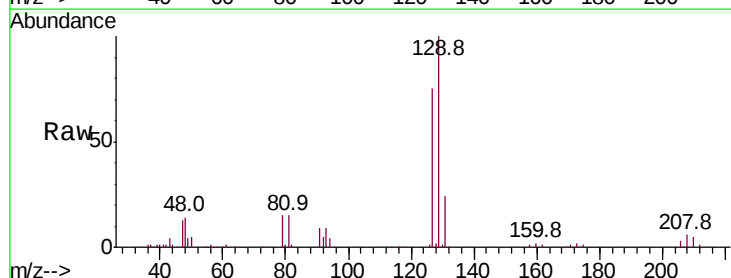
Acq: 28 Feb 2019 10:50

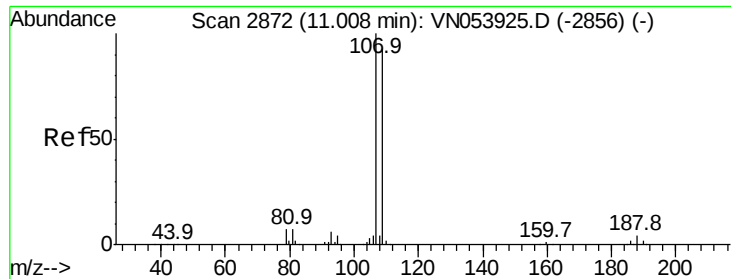
Tgt Ion: 129 Resp: 172940

Ion Ratio Lower Upper

129 100

127 76.4 38.8 116.3

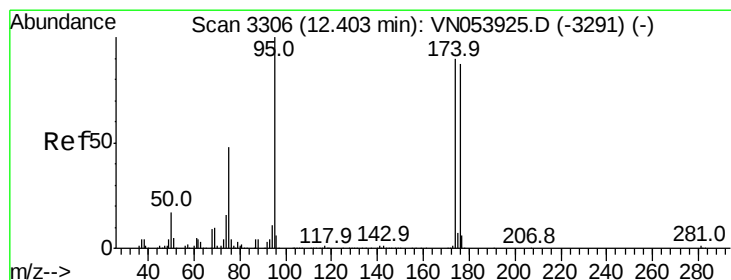
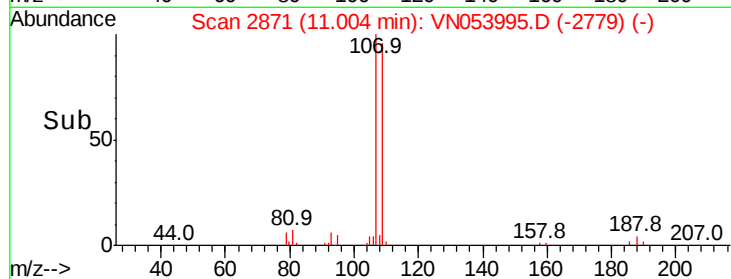
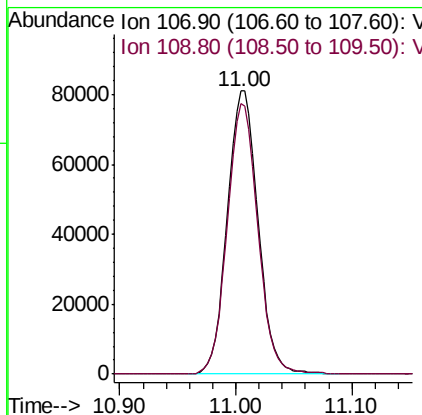
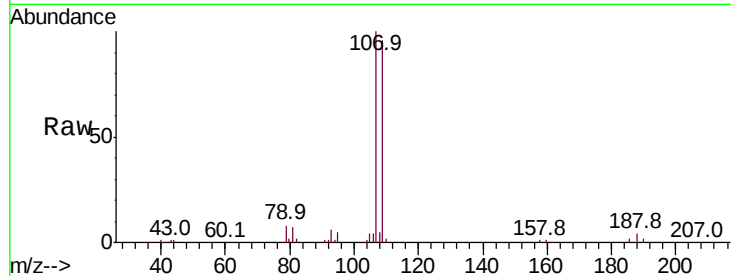




#61
 1,2-Dibromoethane
 Concen: 20.785 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

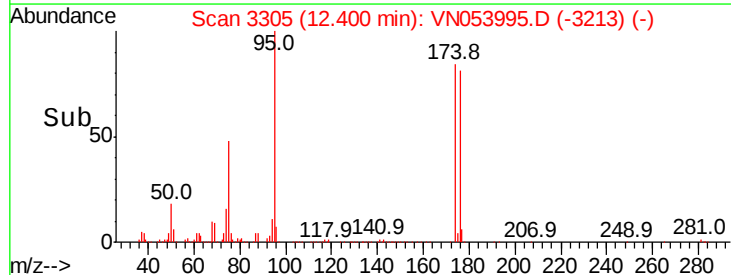
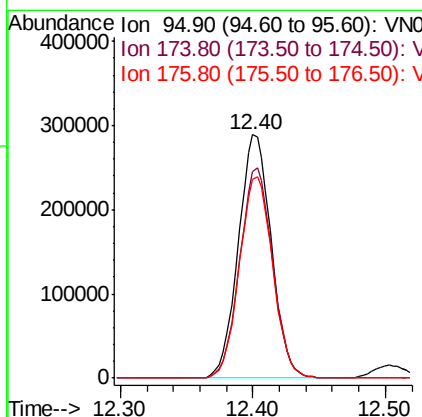
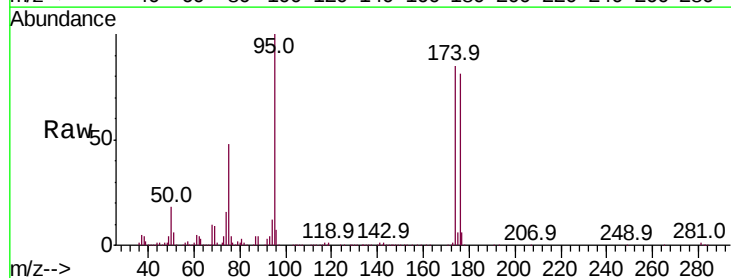
Instrument :
 MSVOA_N
 ClientSampleId :

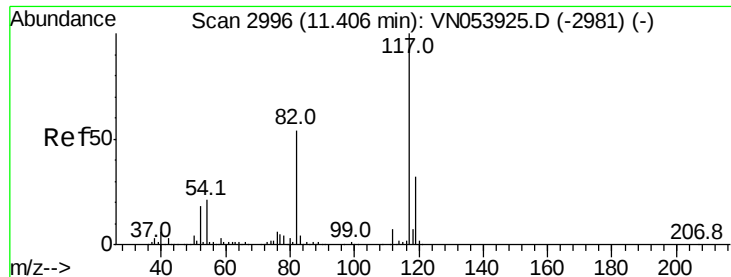
Tot Ion:107 Resp: 148247
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 52.830 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion: 95 Resp: 498664
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 188.8
 176 83.6 0.0 182.6

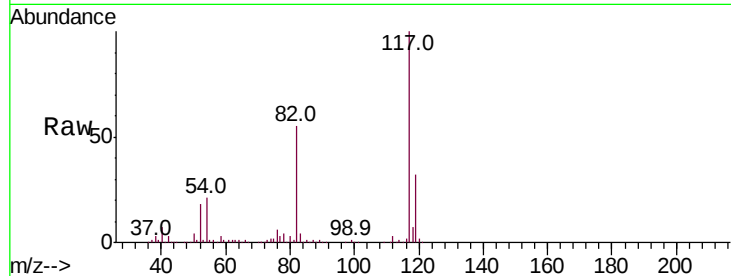




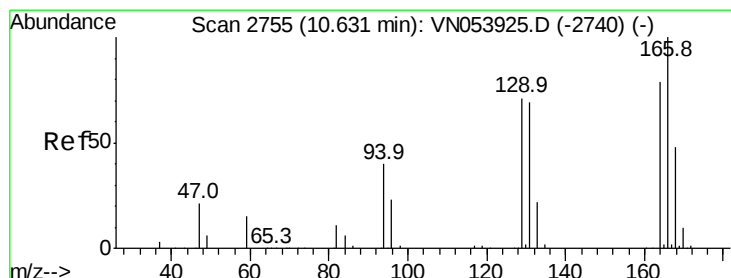
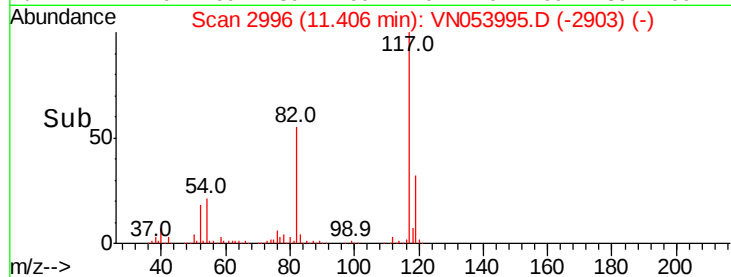
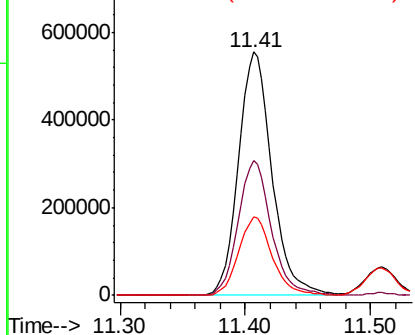
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1031236
Ion Ratio Lower Upper
117 100
82 55.1 41.4 62.2
119 32.1 25.3 37.9

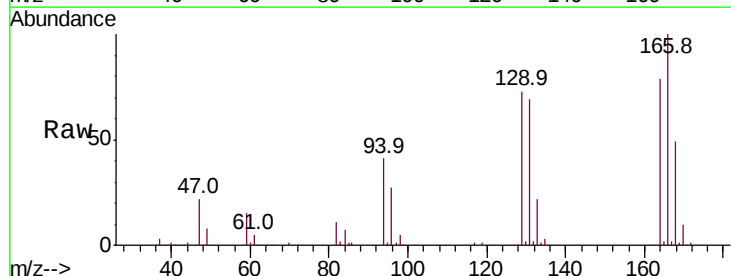


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

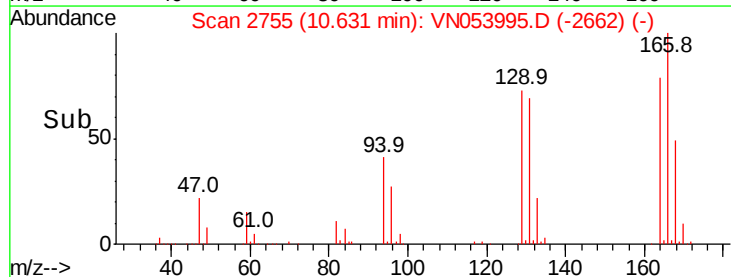
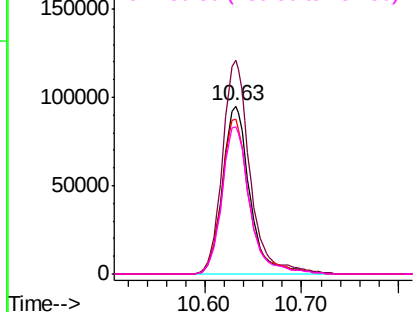


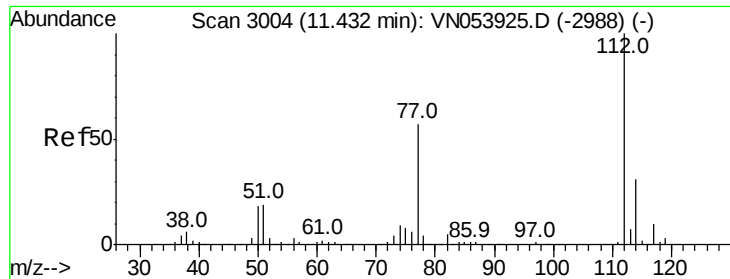
#64
Tetrachloroethene
Concen: 21.406 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion:164 Resp: 186924
Ion Ratio Lower Upper
164 100
166 127.2 102.6 153.8
129 92.4 69.4 104.0
131 88.0 68.1 102.1



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

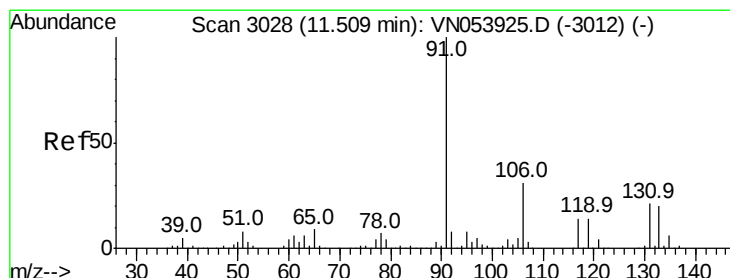
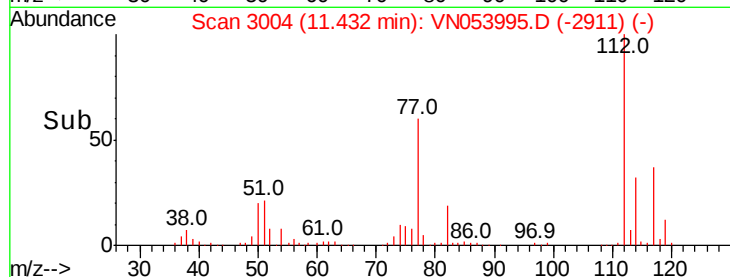
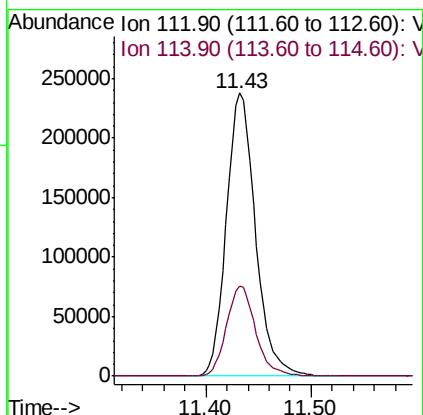
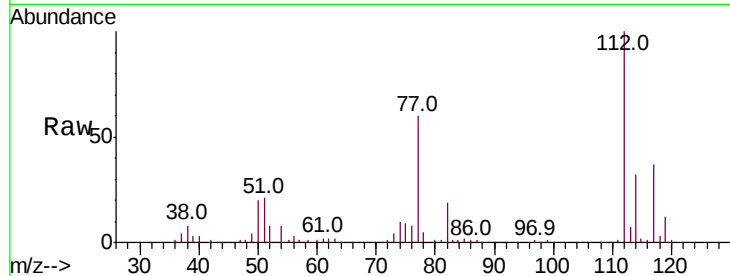




#65
Chlorobenzene
Concen: 20.844 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

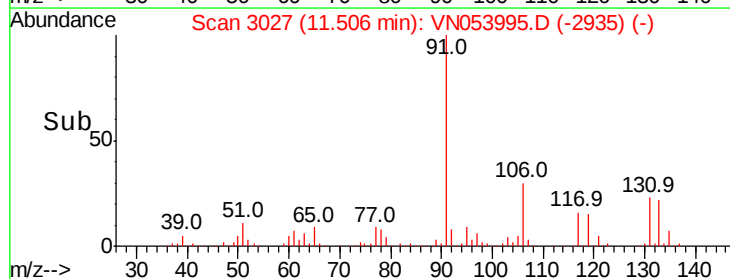
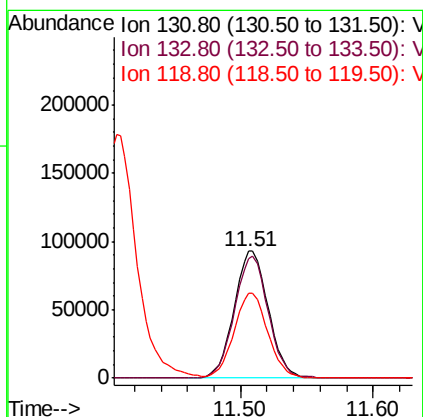
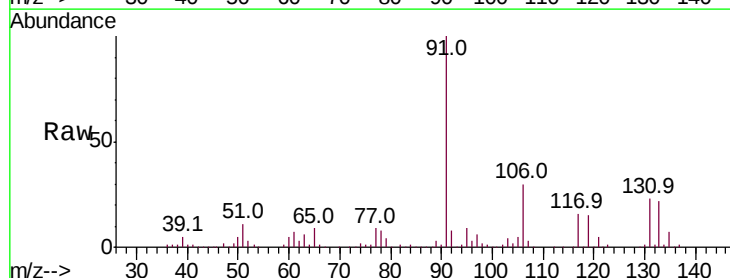
Instrument :
MSVOA_N
ClientSampled :

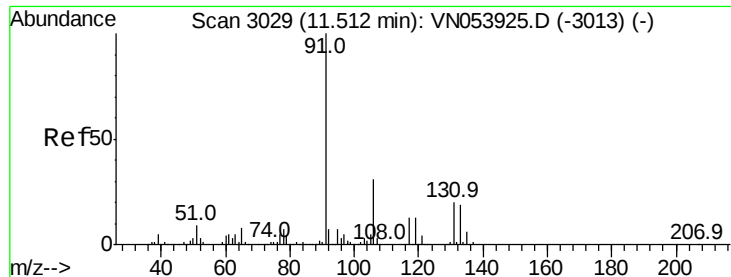
Tot Ion:112 Resp: 453643
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 21.185 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion:131 Resp: 166167
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 66.2 33.1 99.3

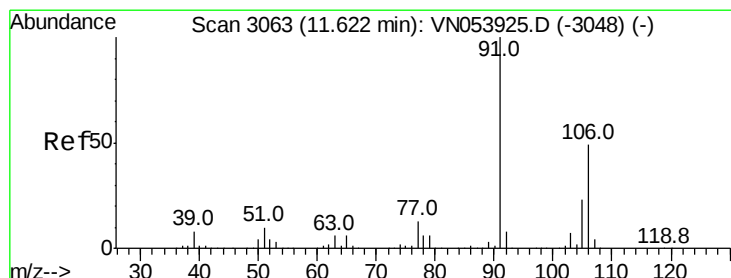
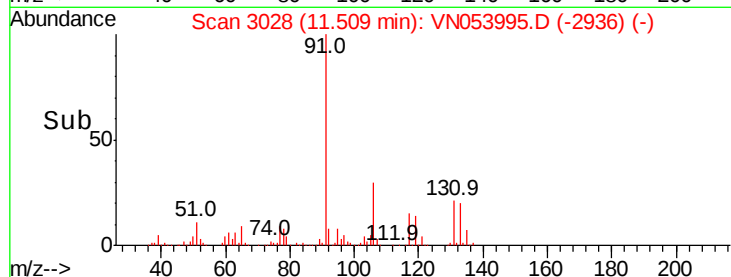
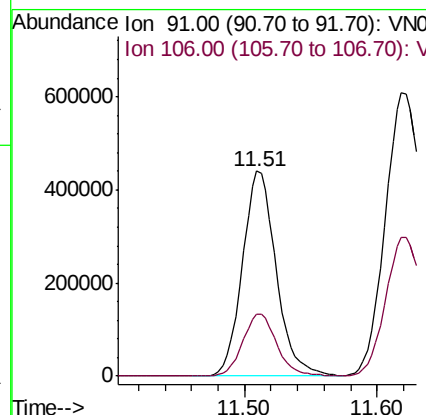
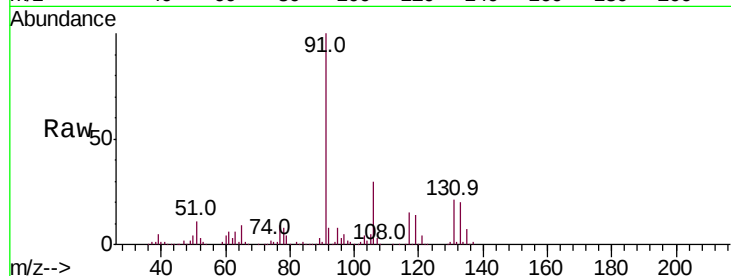




#67
Ethyl Benzene
Concen: 21.379 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

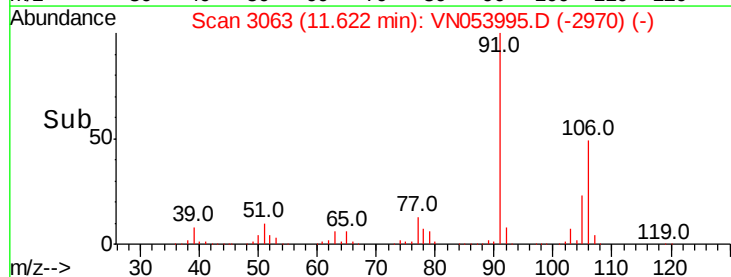
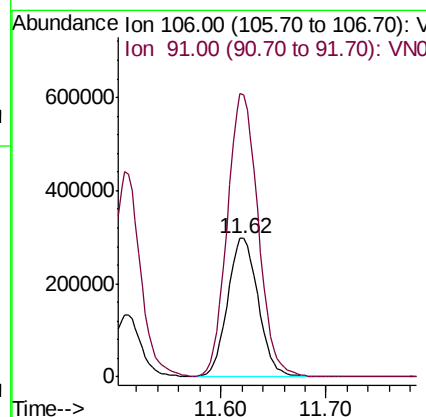
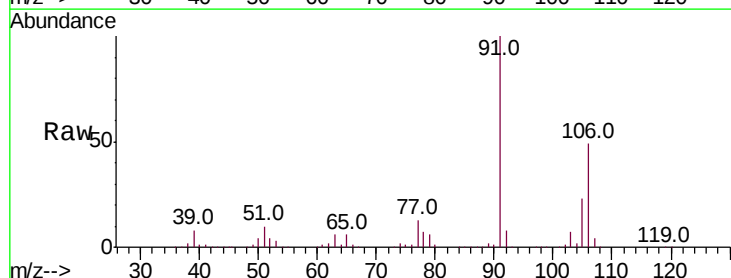
Instrument :
MSVOA_N
ClientSampled :

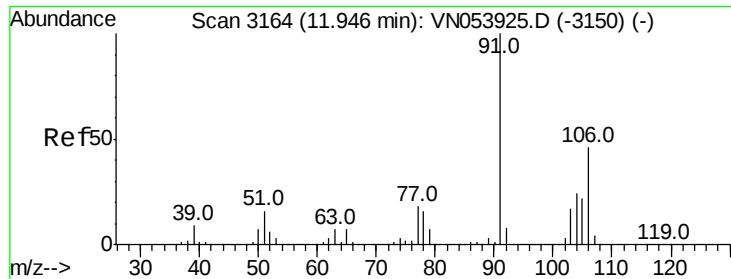
Tot Ion: 91 Resp: 780036
Ion Ratio Lower Upper
91 100
106 30.5 25.2 37.8



#68
m/p-Xylenes
Concen: 43.621 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 106 Resp: 600688
Ion Ratio Lower Upper
106 100
91 204.8 158.9 238.3

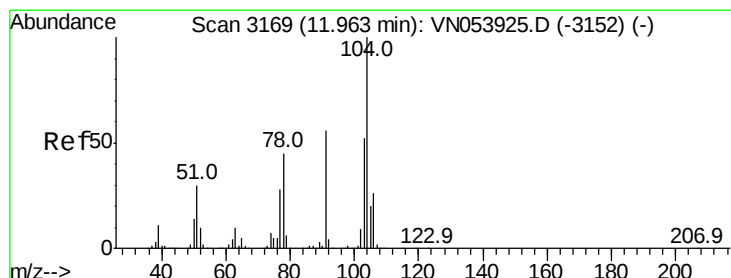
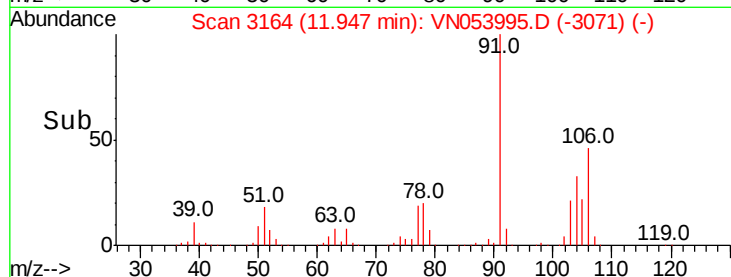
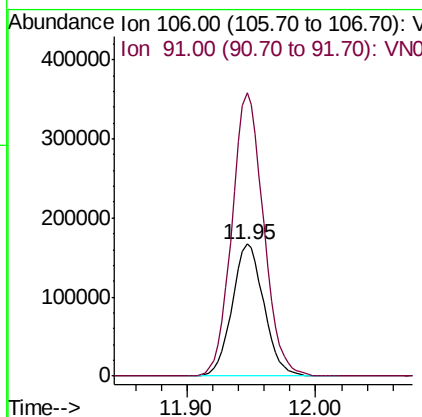
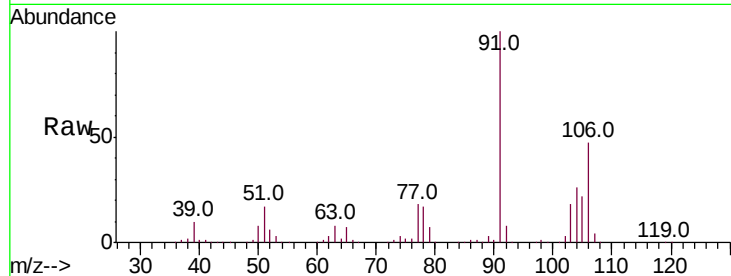




#69
o-Xylene
Concen: 21.043 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

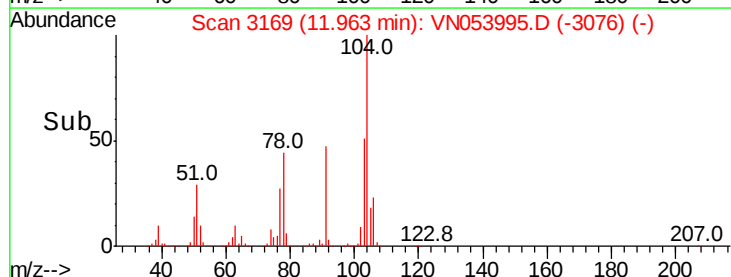
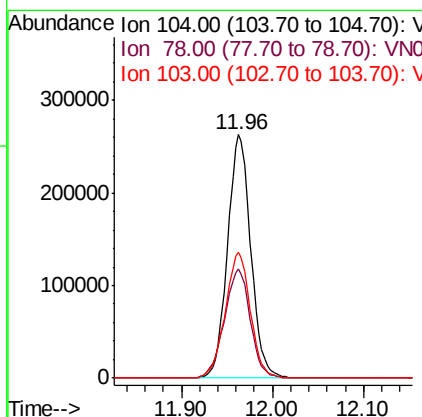
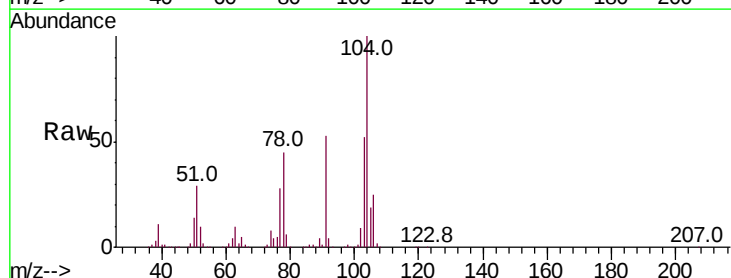
Instrument :
MSVOA_N
ClientSampled :

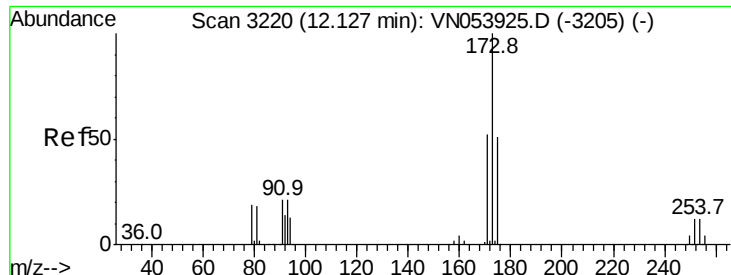
Tot Ion:106 Resp: 284727
Ion Ratio Lower Upper
106 100
91 214.4 106.0 318.0



#70
Styrene
Concen: 22.370 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion:104 Resp: 465559
Ion Ratio Lower Upper
104 100
78 49.7 38.1 57.1
103 55.7 44.6 67.0

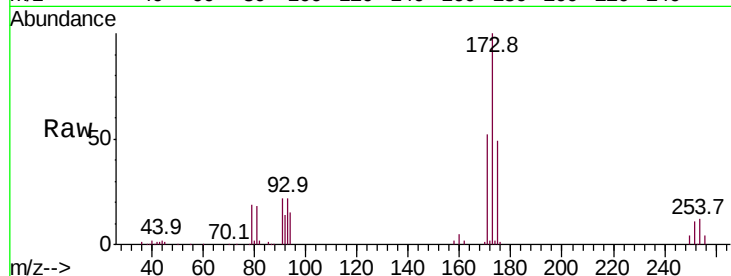




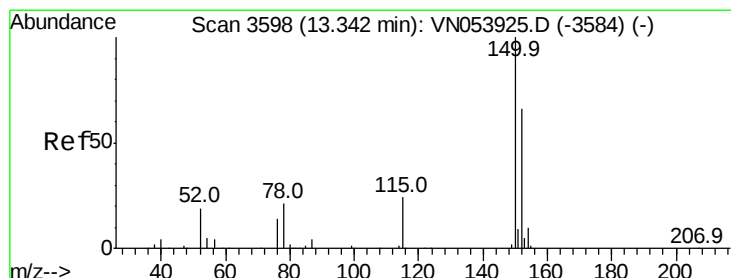
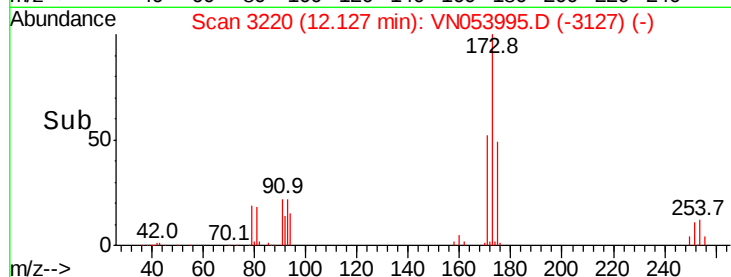
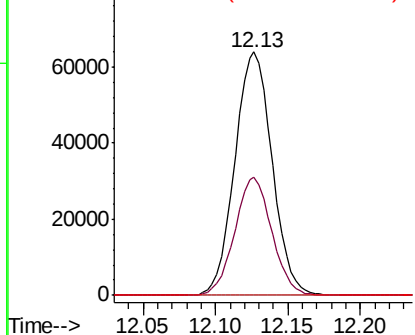
#71
Bromoform
Concen: 20.942 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 114275
Ion Ratio Lower Upper
173 100
175 48.0 24.3 72.8
254 0.0 0.2 0.2#

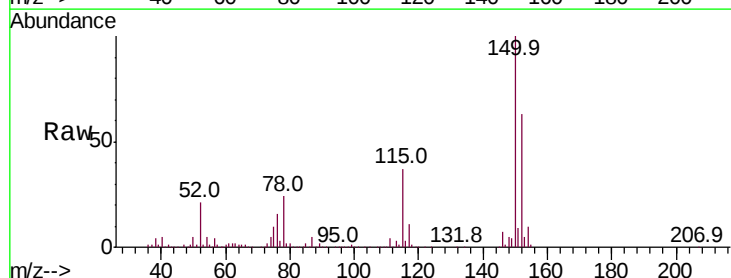


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

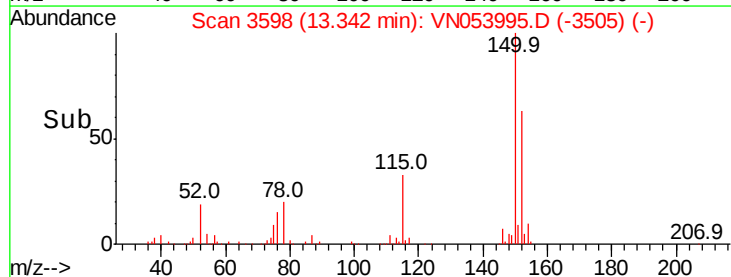
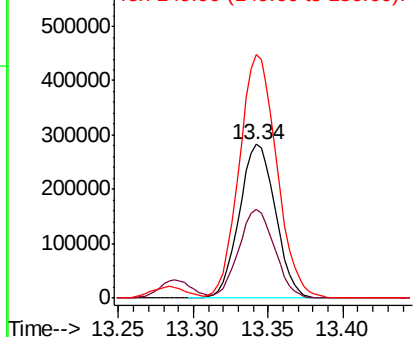


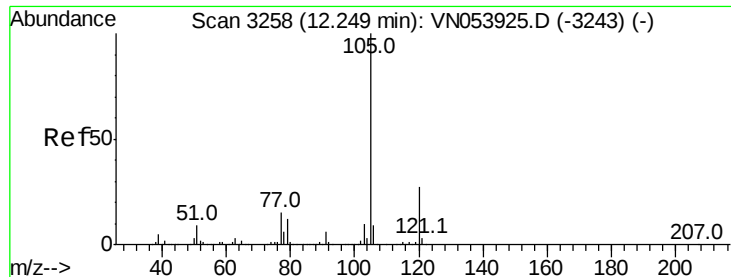
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion:152 Resp: 476063
Ion Ratio Lower Upper
152 100
115 57.4 27.2 81.6
150 164.6 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.509 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

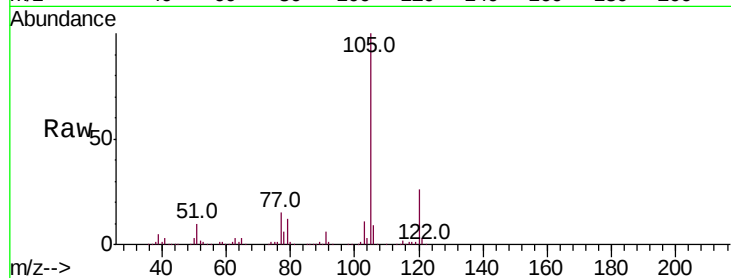
ClientSampled :

Tot Ion:105 Resp: 760035

Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

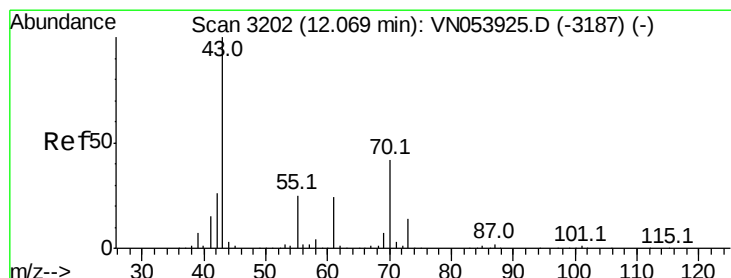
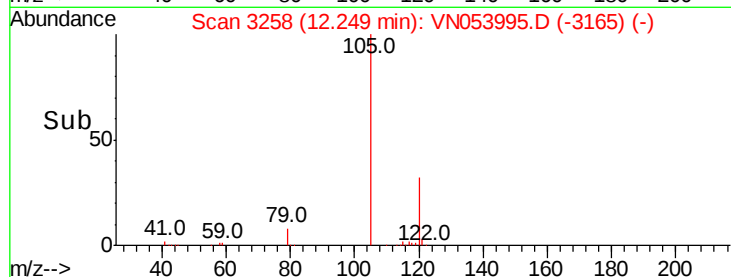
0

12.25

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 20.819 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Tgt Ion: 43 Resp: 202210

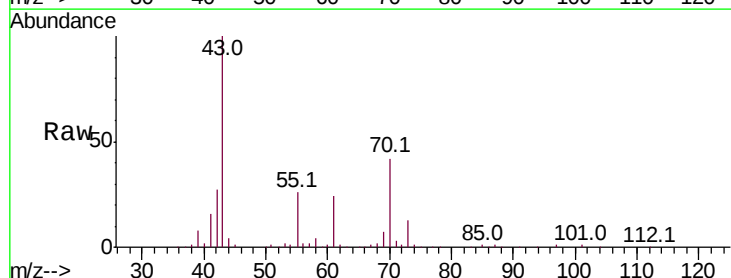
Ion Ratio Lower Upper

43 100

70 40.7 37.4 56.2

55 26.0 21.4 32.0

61 23.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

200000

150000

100000

50000

0

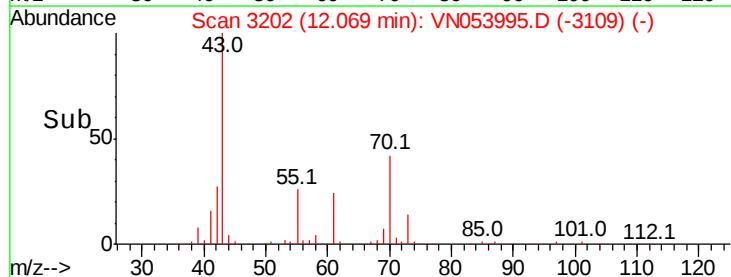
12.07

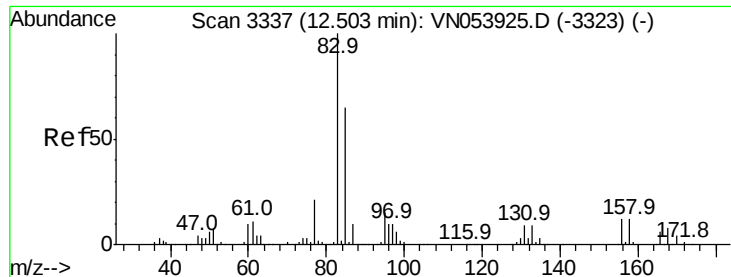
12.00

12.10

12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.117 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampled :

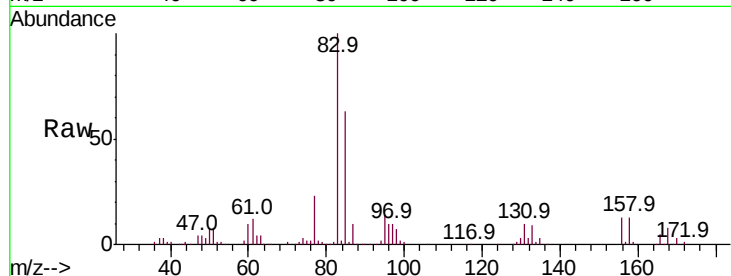
Tot Ion: 83 Resp: 186423

Ion Ratio Lower Upper

83 100

131 9.7 5.3 16.1

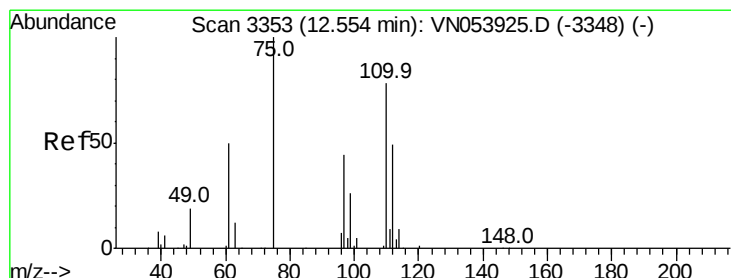
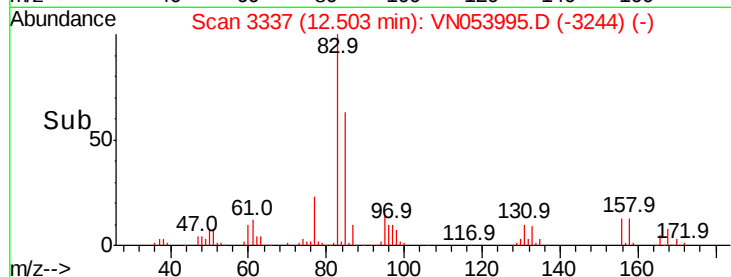
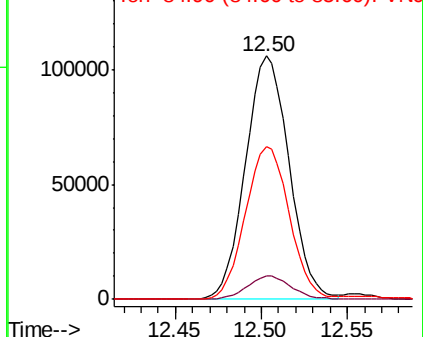
85 63.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.754 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053995.D

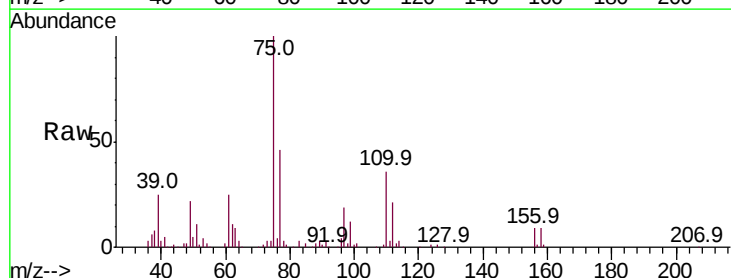
Acq: 28 Feb 2019 10:50

Tgt Ion: 75 Resp: 227226

Ion Ratio Lower Upper

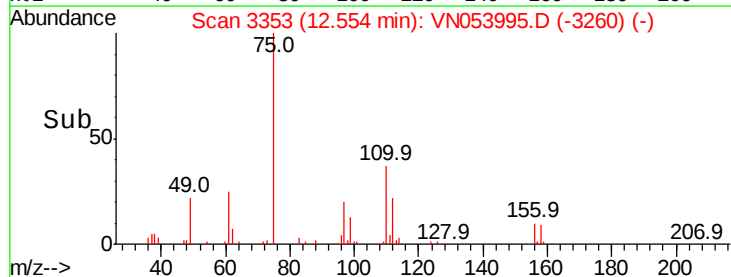
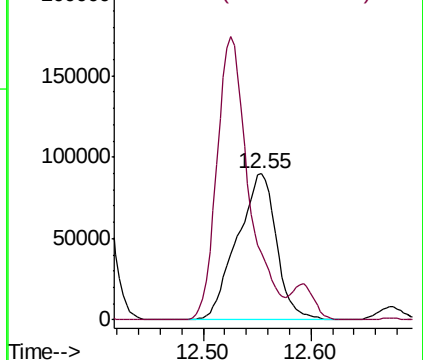
75 100

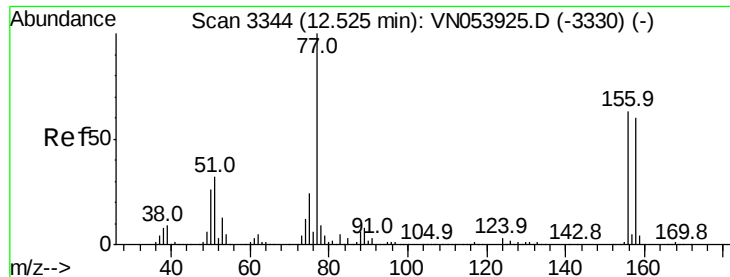
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.216 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

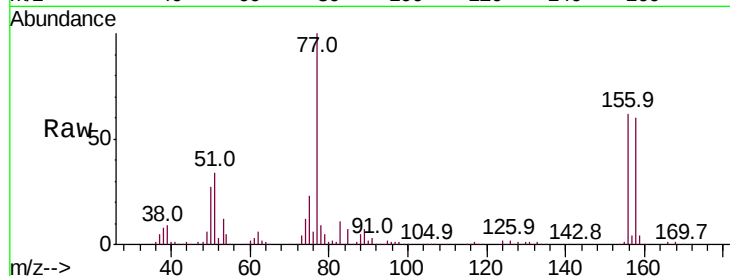
Tot Ion:156 Resp: 190209

Ion Ratio Lower Upper

156 100

77 189.8 84.0 252.2

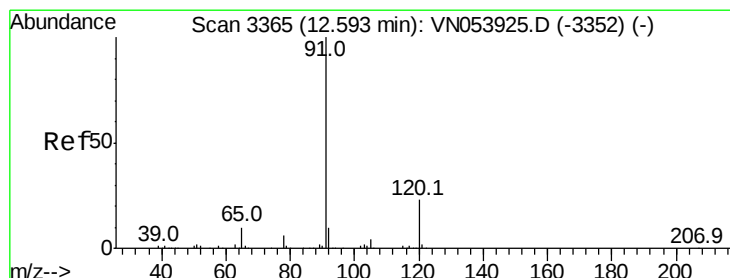
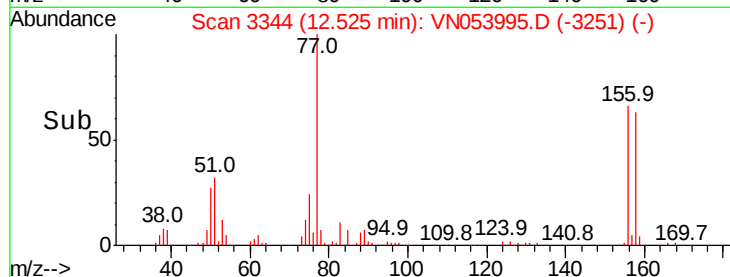
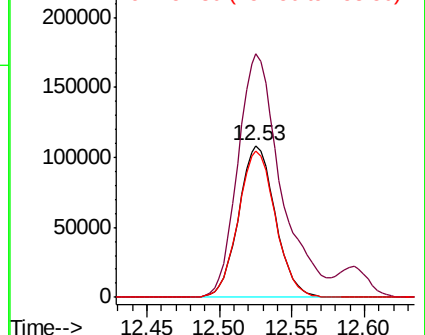
158 97.6 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.402 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053995.D

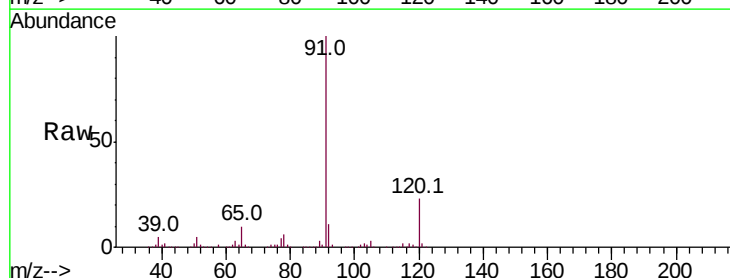
Acq: 28 Feb 2019 10:50

Tgt Ion: 91 Resp: 901980

Ion Ratio Lower Upper

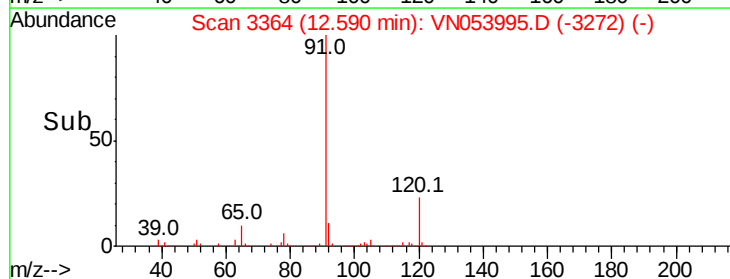
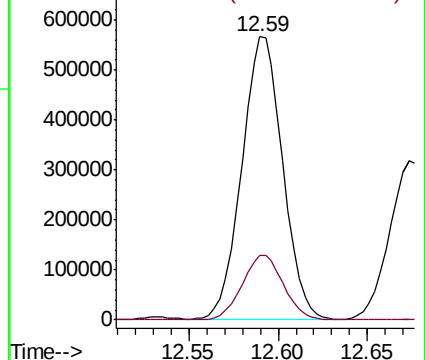
91 100

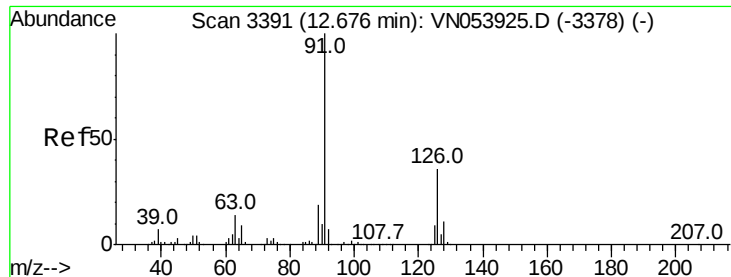
120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.929 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

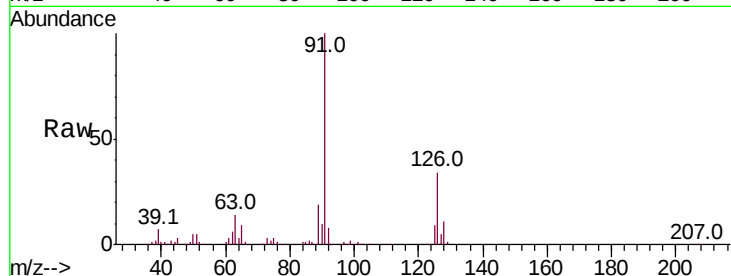
ClientSampleId :

Tot Ion: 91 Resp: 529858

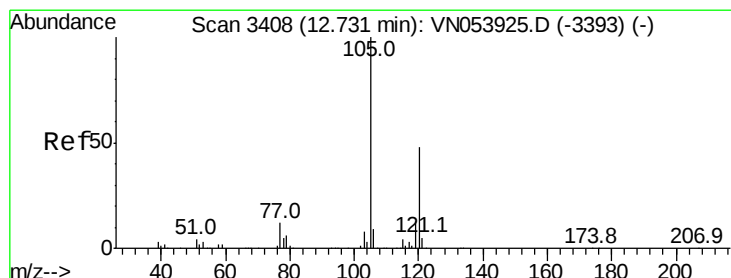
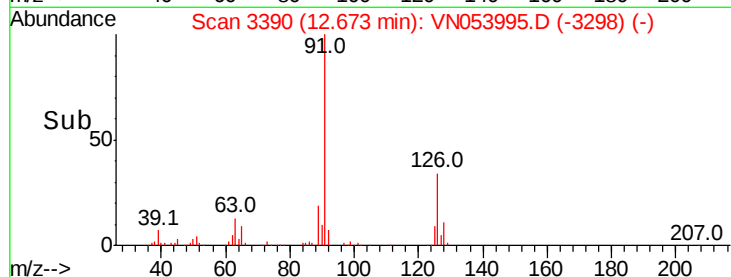
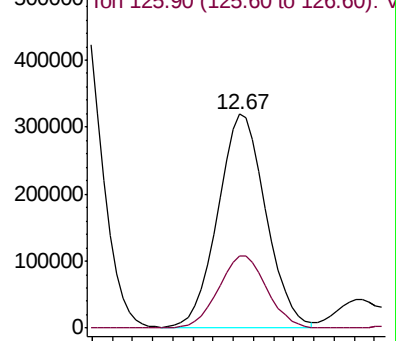
Ion Ratio Lower Upper

91 100

126 34.2 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.503 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053995.D

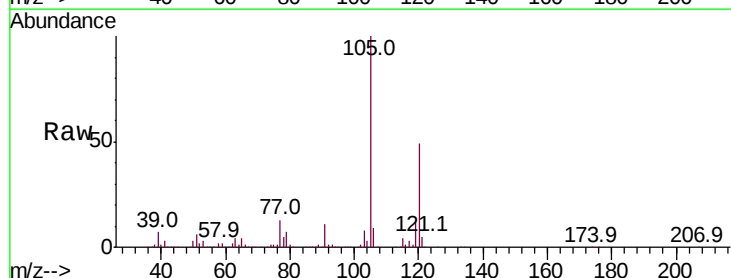
Acq: 28 Feb 2019 10:50

Tgt Ion:105 Resp: 652354

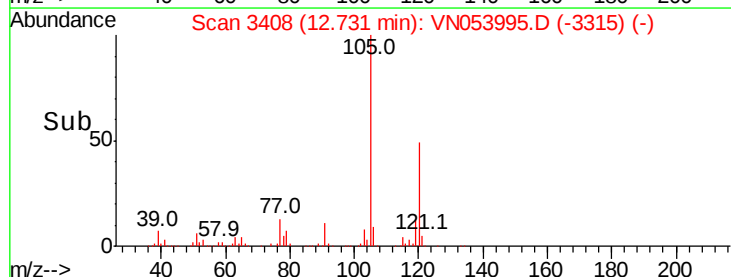
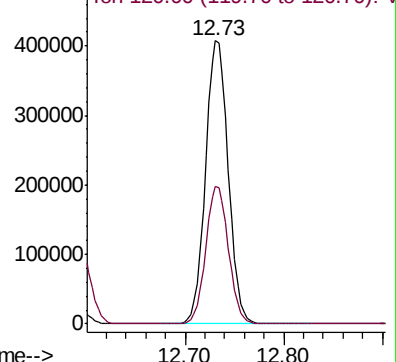
Ion Ratio Lower Upper

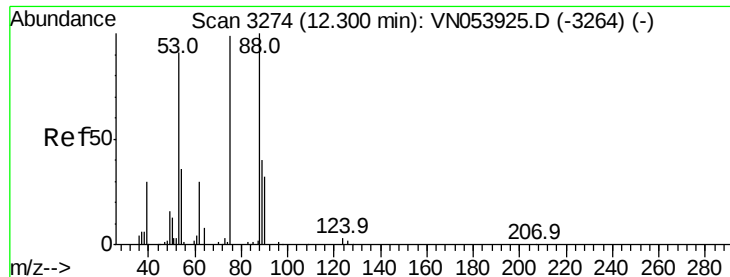
105 100

120 48.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.867 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

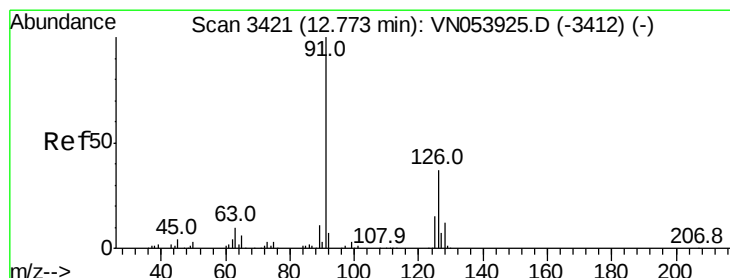
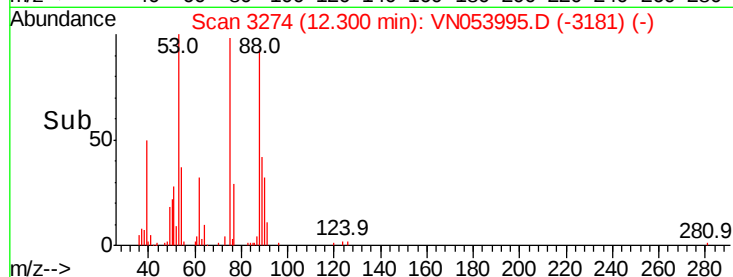
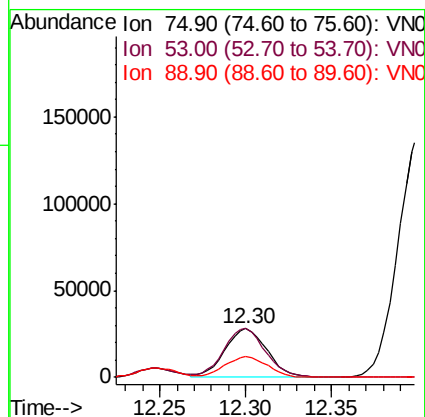
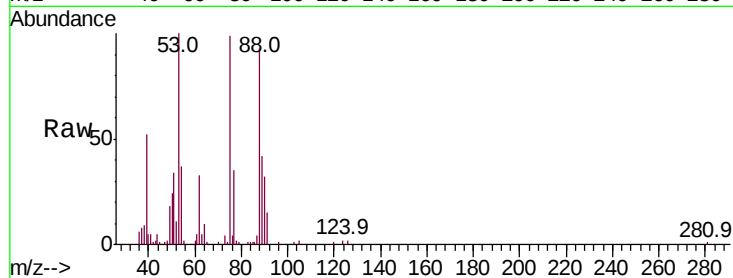
Tot Ion: 75 Resp: 48004

Ion Ratio Lower Upper

75 100

53 100.8 68.6 102.8

89 44.0 35.3 52.9



#82

4-Chlorotoluene

Concen: 21.533 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053995.D

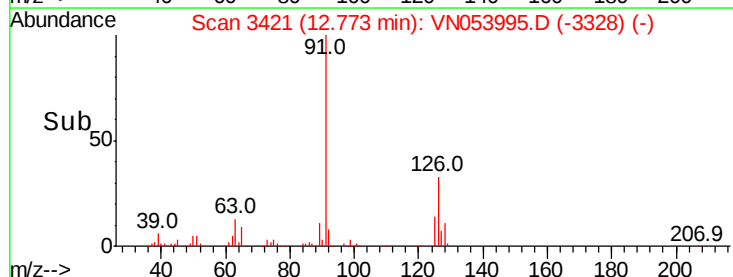
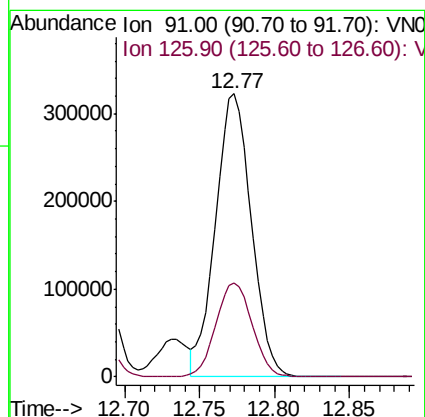
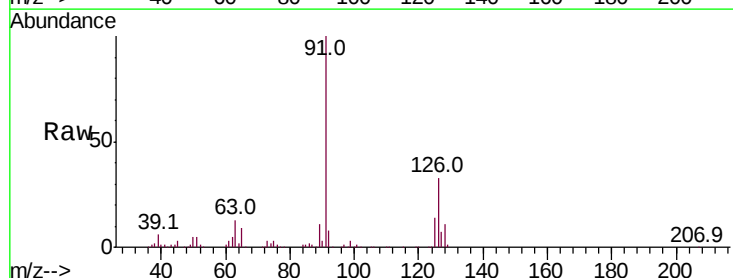
Acq: 28 Feb 2019 10:50

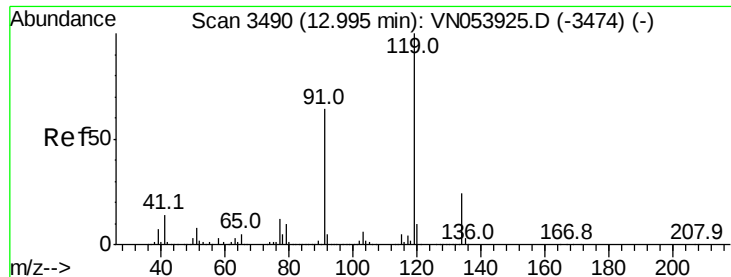
Tgt Ion: 91 Resp: 538794

Ion Ratio Lower Upper

91 100

126 33.7 18.0 54.0

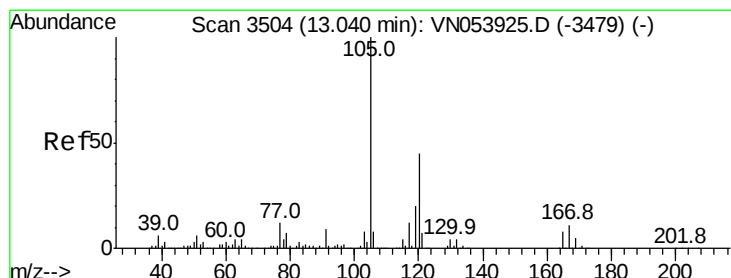
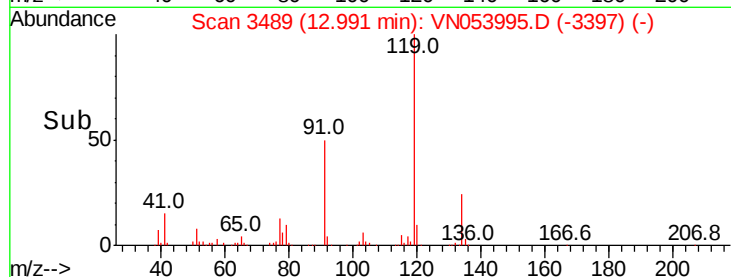
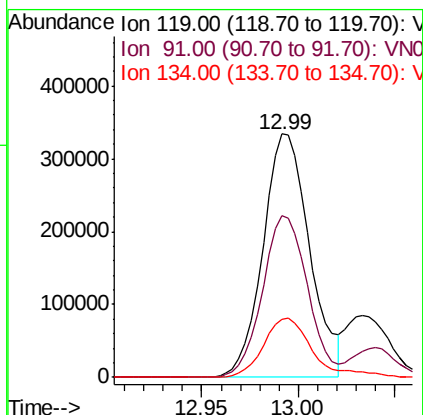
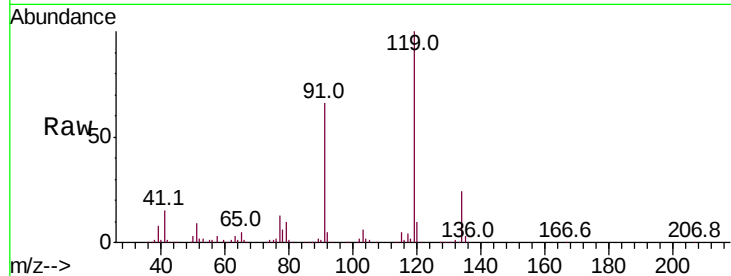




#83
tert-Butylbenzene
Concen: 20.894 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

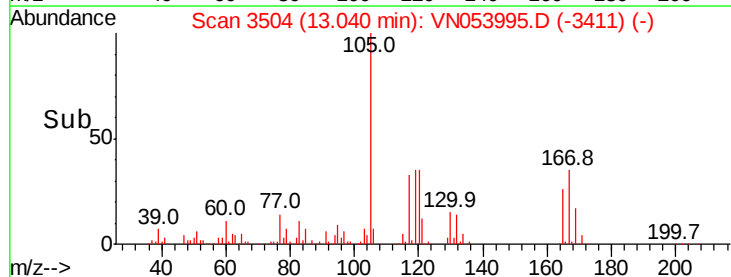
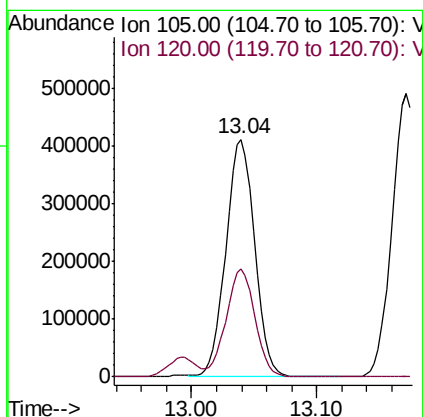
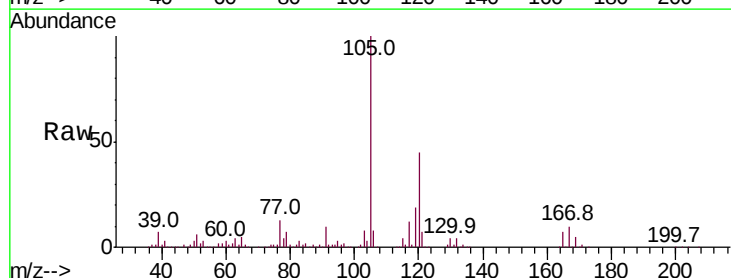
Instrument :
MSVOA_N
ClientSampled :

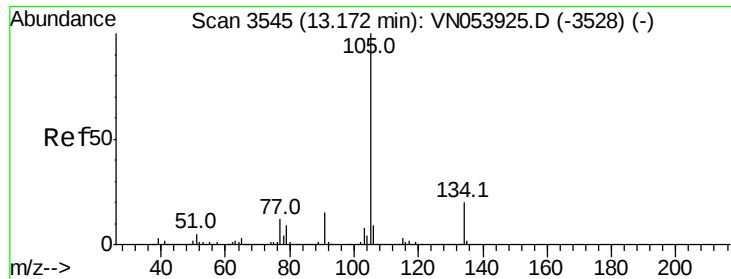
Tot Ion:119 Resp: 560631
Ion Ratio Lower Upper
119 100
91 64.1 30.6 91.8
134 25.7 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 21.575 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion:105 Resp: 653454
Ion Ratio Lower Upper
105 100
120 45.4 23.2 69.5

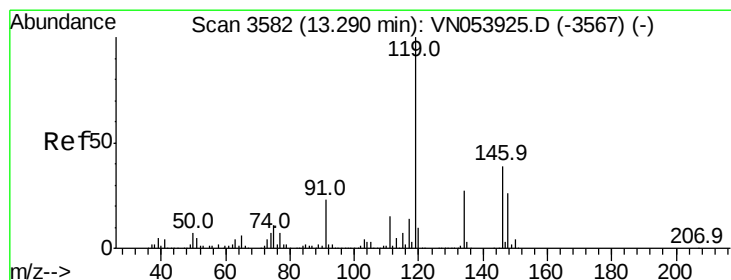
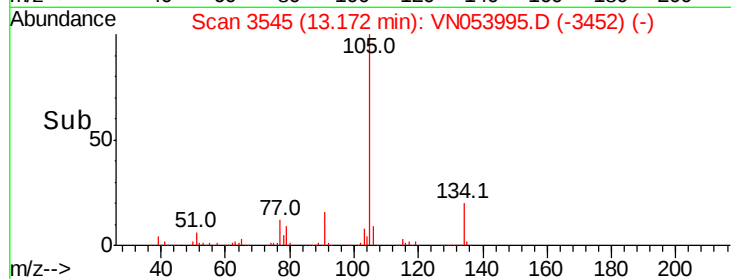
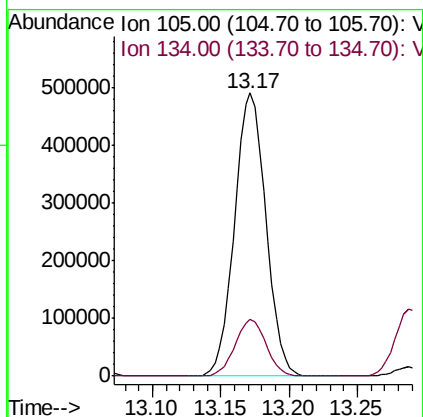
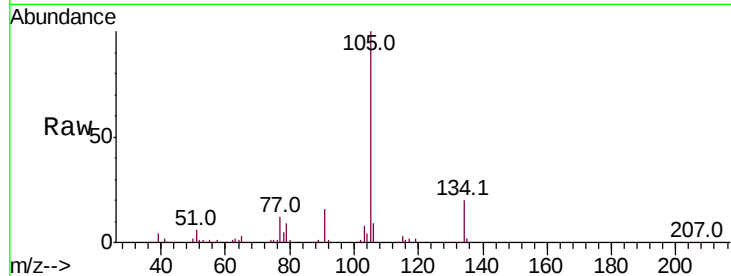




#85
 sec-Butylbenzene
 Concen: 21.319 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

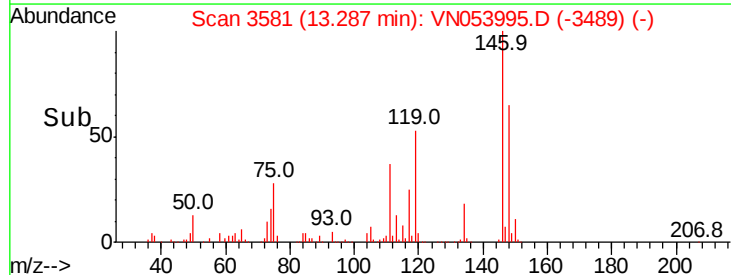
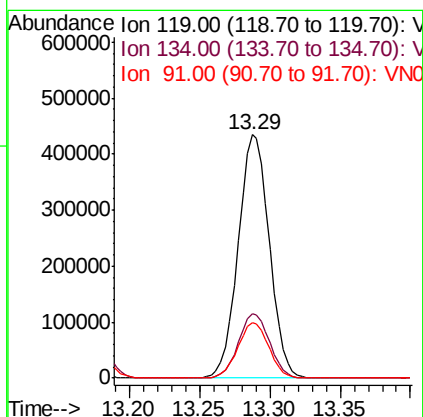
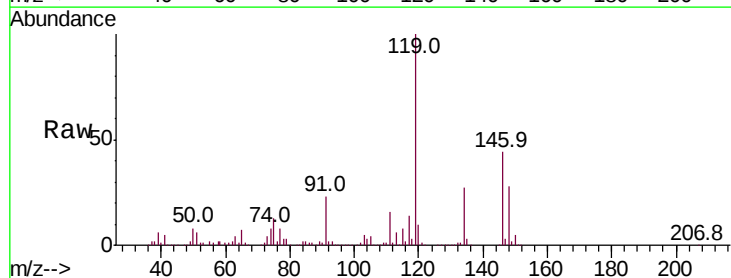
Instrument :
 MSVOA_N
 ClientSampled :

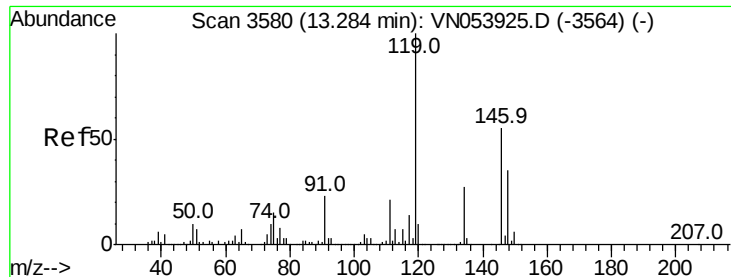
Tot Ion:105 Resp: 781298
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 21.651 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion:119 Resp: 670774
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.4
 91 22.7 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 20.828 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampled :

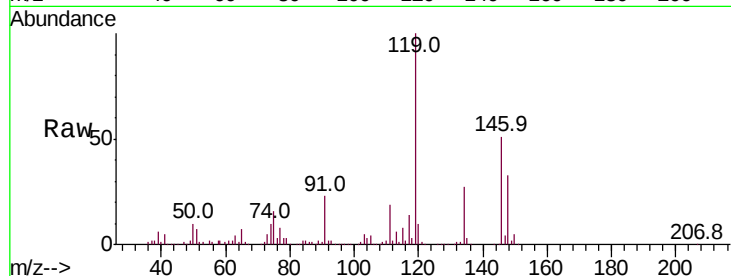
Tot Ion:146 Resp: 339006

Ion Ratio Lower Upper

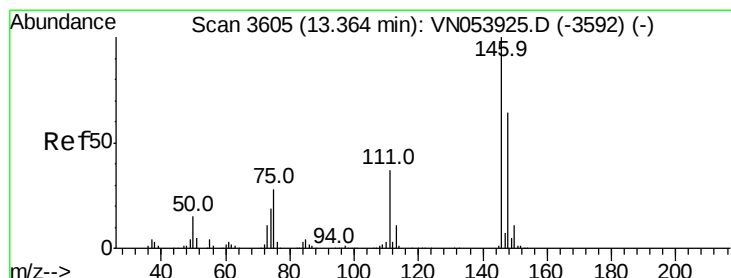
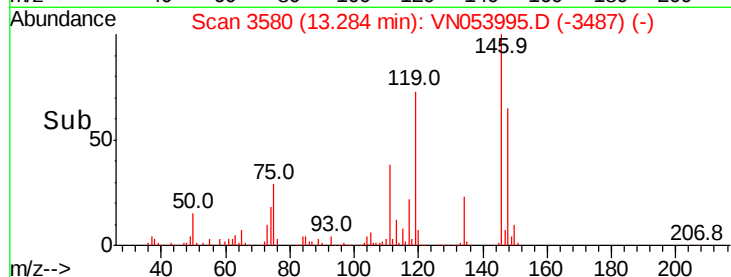
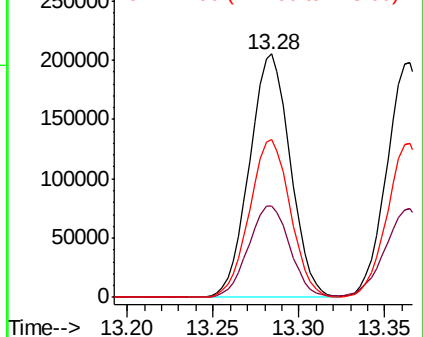
146 100

111 38.0 18.7 56.1

148 64.6 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 20.889 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

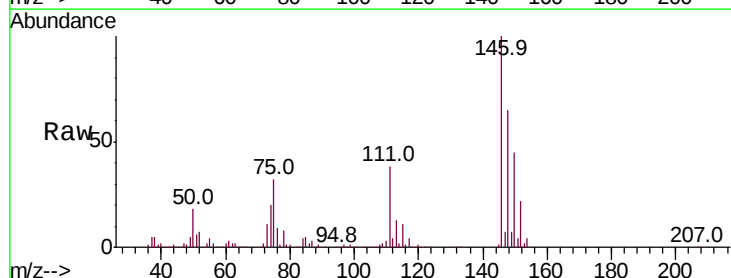
Tgt Ion:146 Resp: 329861

Ion Ratio Lower Upper

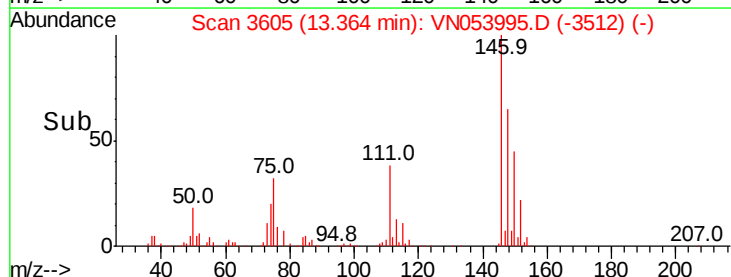
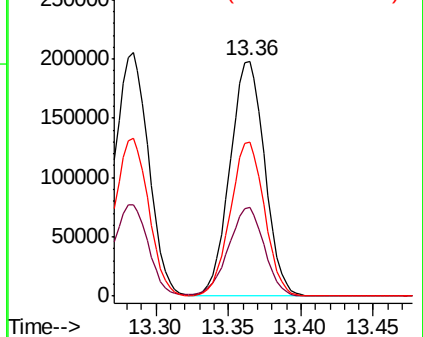
146 100

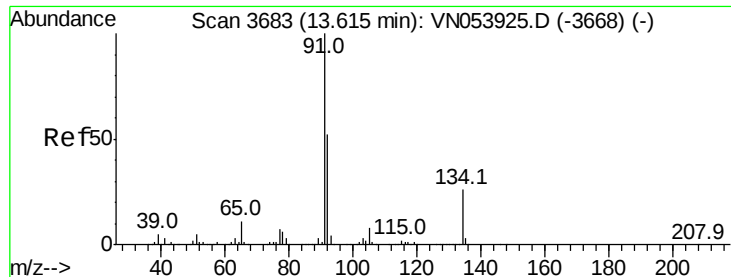
111 38.7 18.0 54.0

148 64.7 32.1 96.5



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

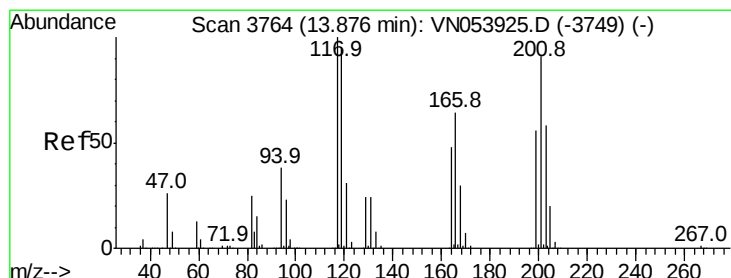
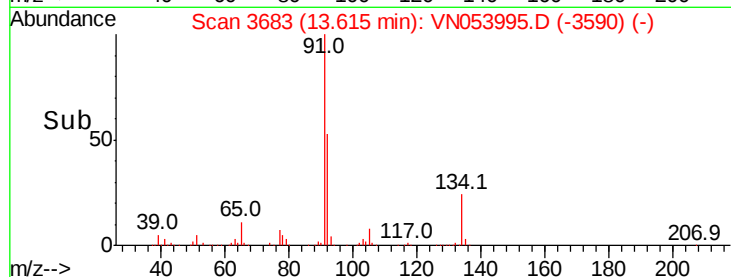
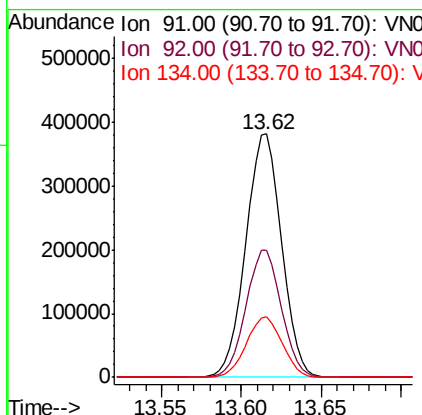
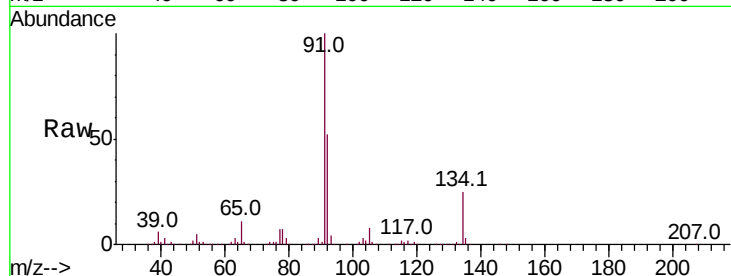




#89
n-Butylbenzene
Concen: 22.292 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

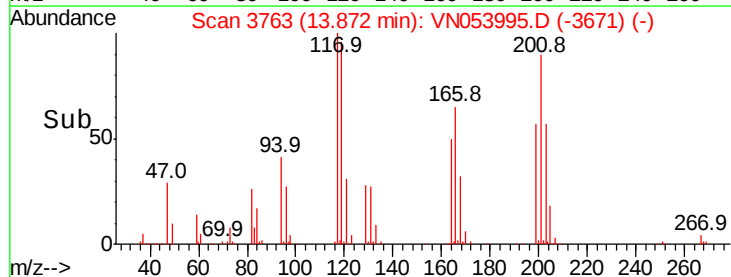
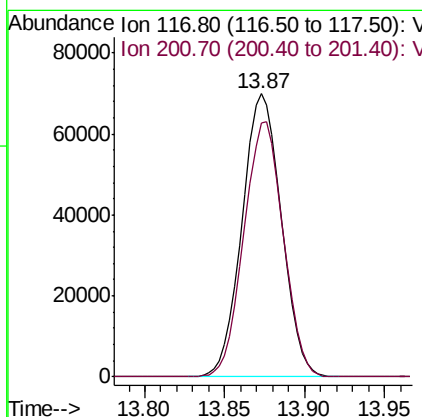
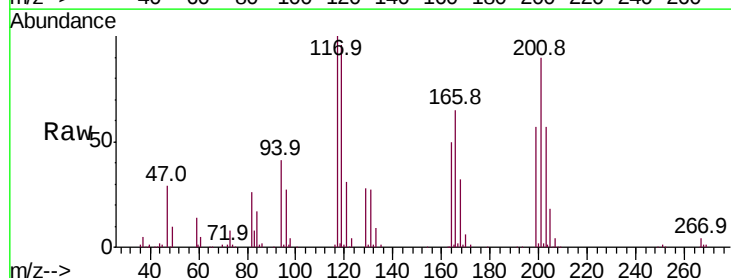
Instrument :
MSVOA_N
ClientSampled :

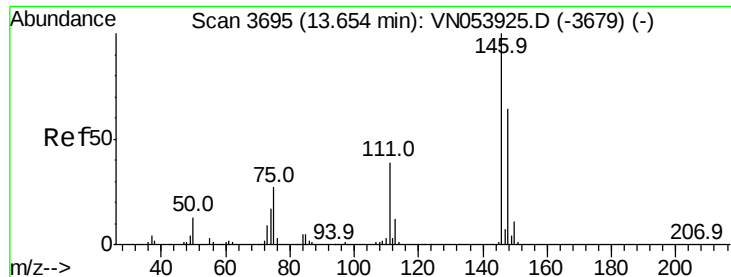
Tot Ion: 91 Resp: 582052
Ion Ratio Lower Upper
91 100
92 51.8 26.1 78.2
134 24.9 13.6 40.8



#90
Hexachloroethane
Concen: 19.488 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion: 117 Resp: 116999
Ion Ratio Lower Upper
117 100
201 90.4 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 20.693 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

Instrument :

MSVOA_N

ClientSampled :

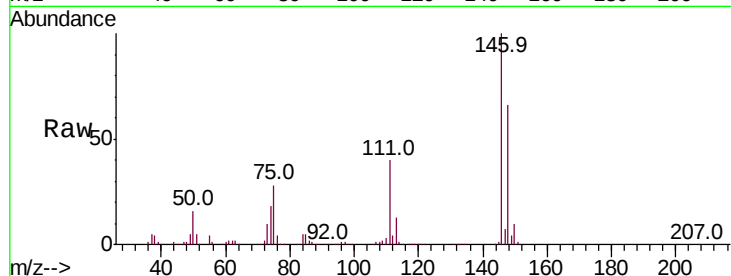
Tot Ion:146 Resp: 326027

Ion Ratio Lower Upper

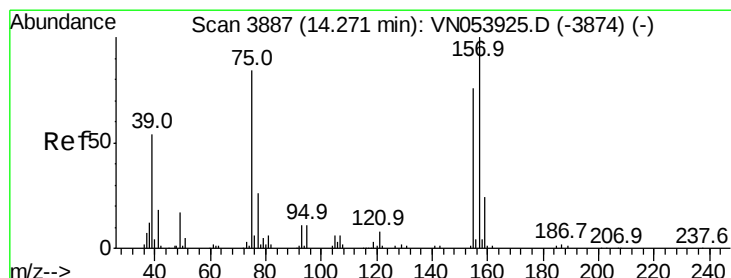
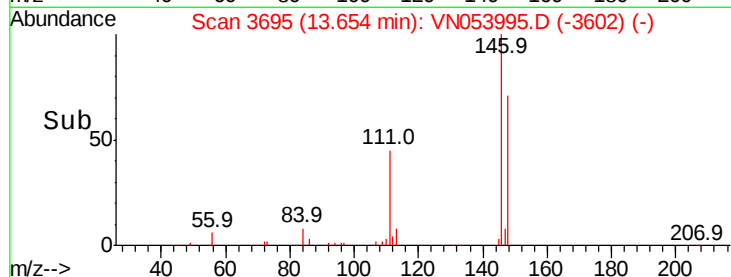
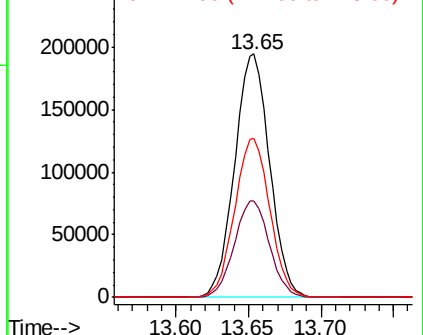
146 100

111 39.8 19.1 57.5

148 65.5 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.731 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053995.D

Acq: 28 Feb 2019 10:50

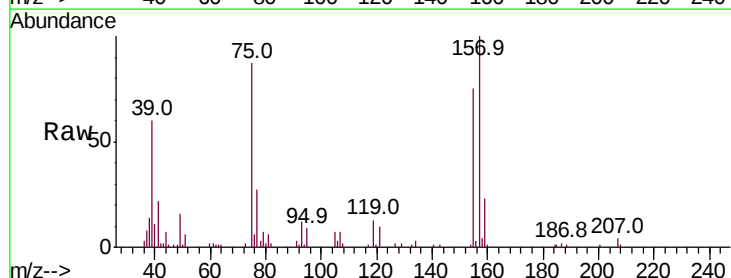
Tgt Ion: 75 Resp: 27149

Ion Ratio Lower Upper

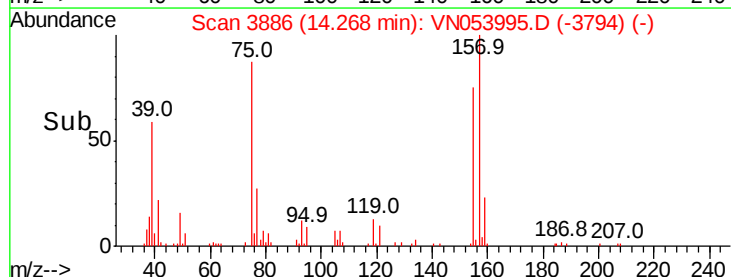
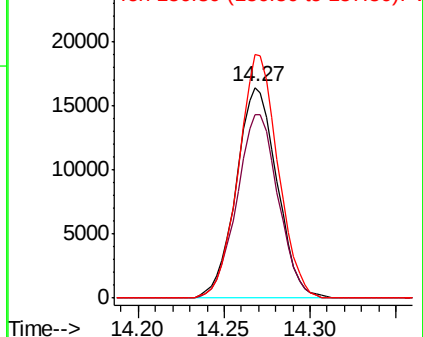
75 100

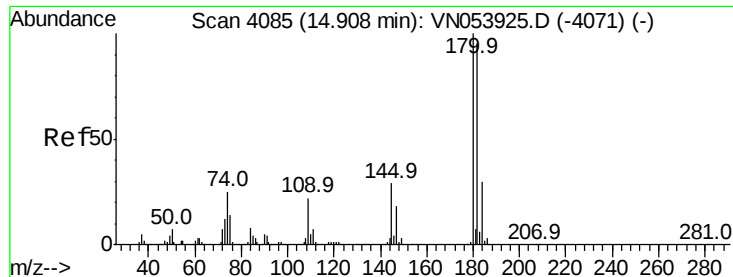
155 87.9 49.5 148.5

157 111.6 64.8 194.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

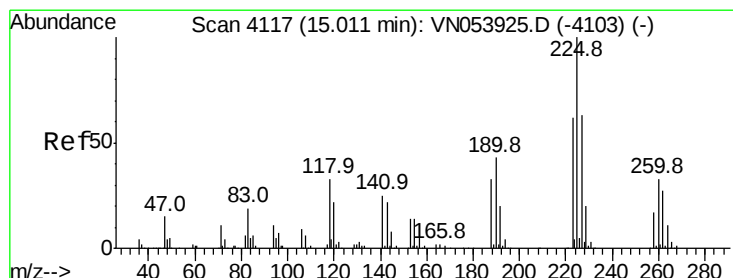
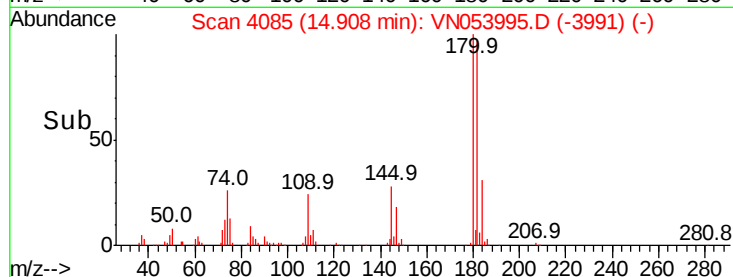
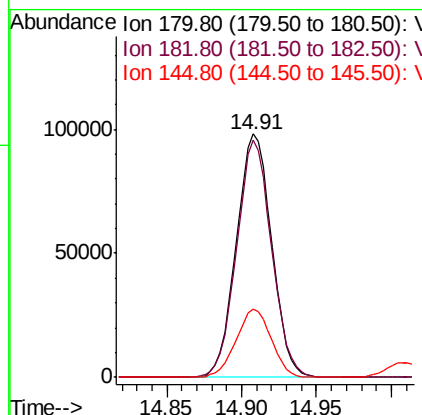
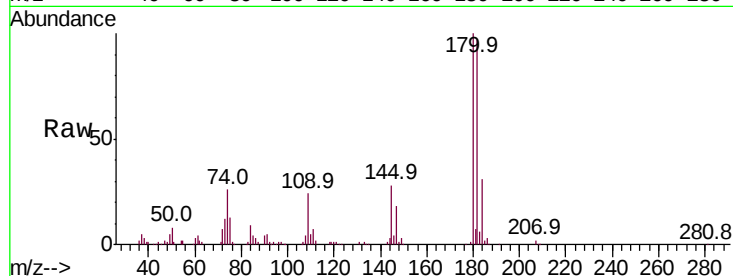




#93
 1,2,4-Trichlorobenzene
 Concen: 19.832 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

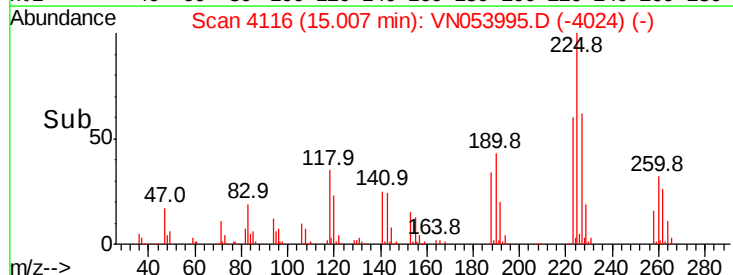
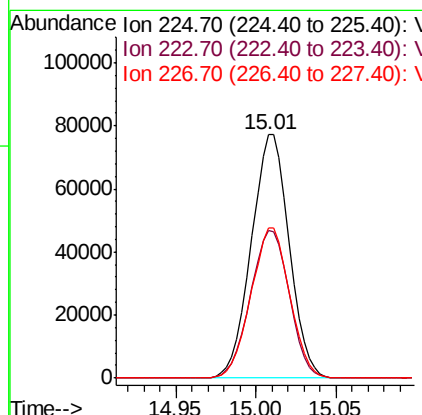
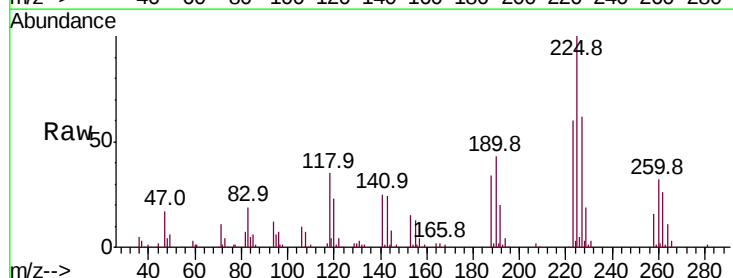
Instrument :
 MSVOA_N
 ClientSampled :

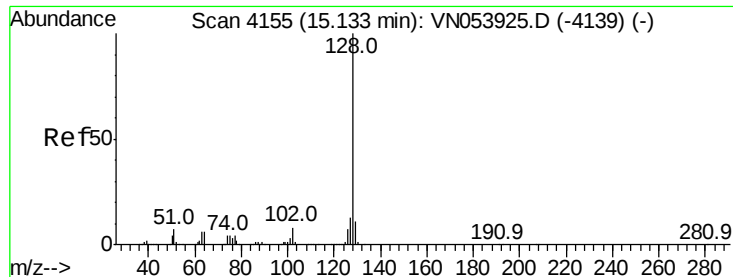
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.6	145.9
145	28.0	13.8	41.3



#94
 Hexachlorobutadiene
 Concen: 22.007 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053995.D
 Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.9	92.5
227	63.0	32.5	97.4

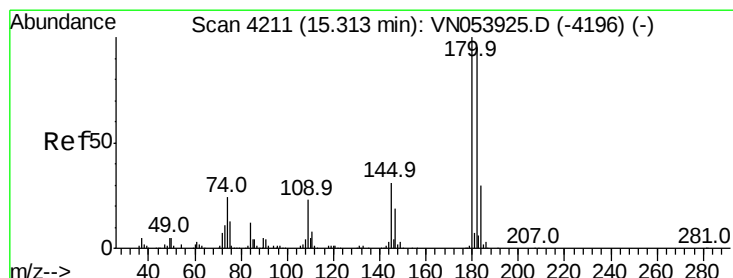
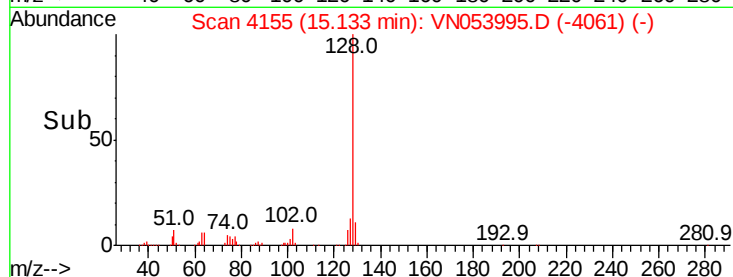
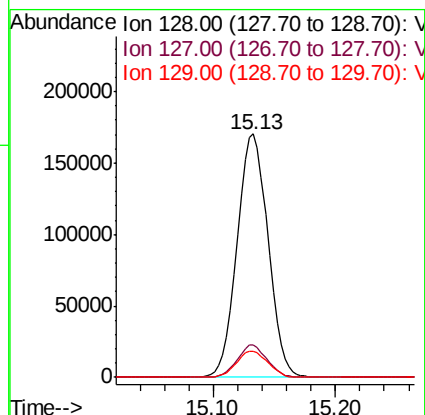
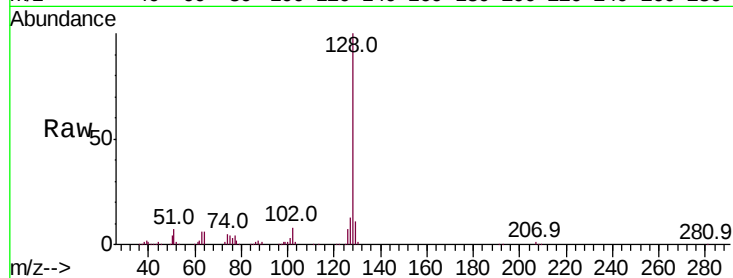




#95
Naphthalene
Concen: 18.043 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.426 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053995.D
Acq: 28 Feb 2019 10:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.8
145	30.7	14.4	43.0

