

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022519\
 Data File : VN053924.D
 Acq On : 25 Feb 2019 12:36
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 26 06:12:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	628090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1005613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	863320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	381673	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	150449	20.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.86%	
35) Dibromofluoromethane	7.59	113	135181	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
50) Toluene-d8	10.09	98	490336	20.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.52%	
62) 4-Bromofluorobenzene	12.40	95	155754	19.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	115025	19.899	ug/l	99
3) Chloromethane	2.06	50	157044	19.586	ug/l	99
4) Vinyl Chloride	2.18	62	157382	19.590	ug/l	99
5) Bromomethane	2.57	94	99697	18.738	ug/l	98
6) Chloroethane	2.71	64	98902	19.795	ug/l	99
7) Trichlorofluoromethane	3.02	101	201451	19.629	ug/l	98
8) Diethyl Ether	3.41	74	73455	19.103	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127867	19.727	ug/l	95
10) Methyl Iodide	3.95	142	164977	19.370	ug/l	99
11) Tert butyl alcohol	4.78	59	44565	95.480	ug/l	97
12) 1,1-Dichloroethene	3.74	96	118708	19.146	ug/l	97
13) Acrolein	3.61	56	35189	72.819	ug/l	99
14) Allyl chloride	4.33	41	210531	19.360	ug/l	95
15) Acrylonitrile	4.99	53	240213	97.648	ug/l	99
16) Acetone	3.81	43	207296	99.019	ug/l	94
17) Carbon Disulfide	4.05	76	379089	18.953	ug/l	100
18) Methyl Acetate	4.32	43	96109	18.668	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	323798	19.468	ug/l	100
20) Methylene Chloride	4.55	84	140580	19.292	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	129541	19.304	ug/l	93
22) Diisopropyl ether	5.95	45	412830	19.678	ug/l	93
23) Vinyl Acetate	5.90	43	1464180	97.016	ug/l	96
24) 1,1-Dichloroethane	5.85	63	248923	19.348	ug/l	100
25) 2-Butanone	6.84	43	280820	97.138	ug/l	96
26) 2,2-Dichloropropane	6.82	77	177451	19.414	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	147173	19.720	ug/l	96
28) Bromochloromethane	7.19	49	113570	19.286	ug/l	83
29) Tetrahydrofuran	7.21	42	187554	97.422	ug/l	93
30) Chloroform	7.37	83	244501	19.599	ug/l	99
31) Cyclohexane	7.65	56	232633	19.509	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	200420	19.485	ug/l	97
36) 1,1-Dichloropropene	7.79	75	187793	20.081	ug/l	96
37) Ethyl Acetate	6.93	43	121345	18.172	ug/l	99
38) Carbon Tetrachloride	7.77	117	180738	18.583	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	213181	18.913	ug/l	94
40) Benzene	8.04	78	566213	19.709	ug/l	99
41) Methacrylonitrile	7.21	41	178862	41.598	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	173835	19.544	ug/l	98
43) Isopropyl Acetate	8.16	43	213537	18.940	ug/l #	90
44) Trichloroethene	8.83	130	147263	19.335	ug/l	98
45) 1,2-Dichloropropane	9.12	63	148725	19.188	ug/l	98
46) Dibromomethane	9.21	93	89828	19.962	ug/l	93
47) Bromodichloromethane	9.40	83	186840	19.702	ug/l	100
48) Methyl methacrylate	9.20	41	97384	18.778	ug/l	96
49) 1,4-Dioxane	9.20	88	27815	395.998	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	549037	94.766	ug/l	96
52) Toluene	10.16	92	330651	19.546	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	174986	18.964	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	213129	19.593	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	126933	20.092	ug/l	99
56) Ethyl methacrylate	10.43	69	140158	18.213	ug/l	94
57) 1,3-Dichloropropane	10.71	76	210759	19.744	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	325647	93.455	ug/l	97
59) 2-Hexanone	10.75	43	353621	93.847	ug/l	93
60) Dibromochloromethane	10.90	129	137055	19.520	ug/l	97
61) 1,2-Dibromoethane	11.01	107	117032	19.203	ug/l	99
64) Tetrachloroethene	10.63	164	149801	20.491	ug/l	97
65) Chlorobenzene	11.43	112	350885	19.258	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	131530	20.030	ug/l	99
67) Ethyl Benzene	11.51	91	597251	19.553	ug/l	99
68) m/p-Xylenes	11.62	106	457841	39.715	ug/l	95
69) o-Xylene	11.95	106	224152	19.788	ug/l	98
70) Styrene	11.96	104	347220	19.929	ug/l	99
71) Bromoform	12.13	173	90239	19.753	ug/l #	99
73) Isopropylbenzene	12.25	105	584555	19.675	ug/l	99
74) N-amyl acetate	12.07	43	147458	18.936	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	143266	19.283	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	173596	28.353	ug/l #	100
77) Bromobenzene	12.53	156	145971	19.351	ug/l	93
78) n-propylbenzene	12.59	91	666227	19.717	ug/l	97
79) 2-Chlorotoluene	12.67	91	399328	19.674	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	486895	20.018	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35906	18.535	ug/l	92
82) 4-Chlorotoluene	12.77	91	393242	19.602	ug/l	98
83) tert-Butylbenzene	12.99	119	430726	20.022	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	494567	20.367	ug/l	99
85) sec-Butylbenzene	13.17	105	586163	19.950	ug/l	99
86) p-Isopropyltoluene	13.29	119	496313	19.981	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	254021	19.466	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	243789	19.257	ug/l	98
89) n-Butylbenzene	13.62	91	408351	19.507	ug/l	99
90) Hexachloroethane	13.87	117	91573	19.025	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	248380	19.663	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19723	18.785	ug/l	94

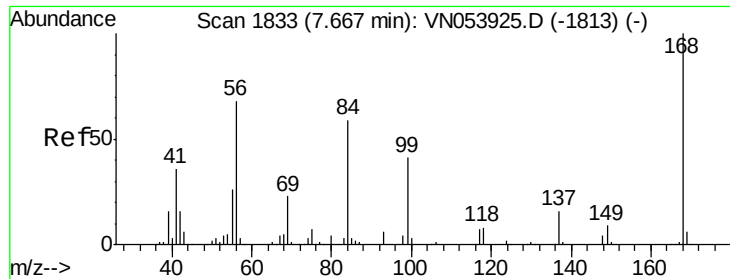
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	122746	18.942	ug/l	97
94) Hexachlorobutadiene	15.01	225	91472	20.047	ug/l	98
95) Naphthalene	15.13	128	235423	17.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	121172	19.004	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

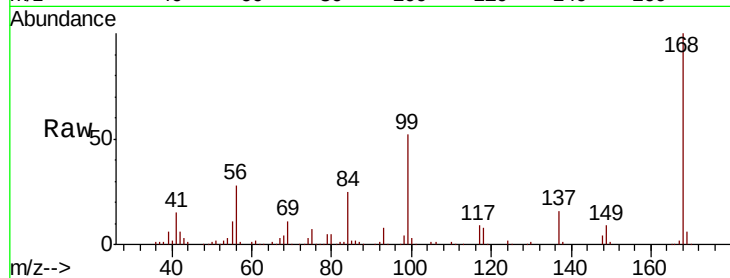
VSTDIC020

Tgt Ion:168 Resp: 628090

Ion Ratio Lower Upper

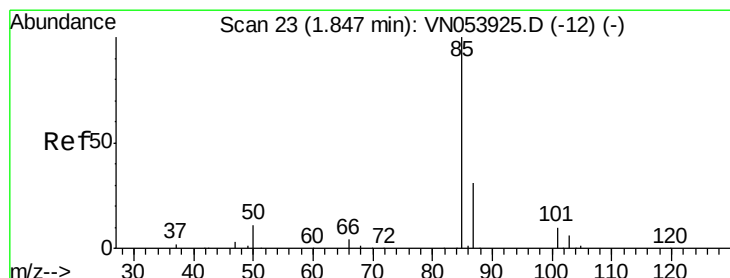
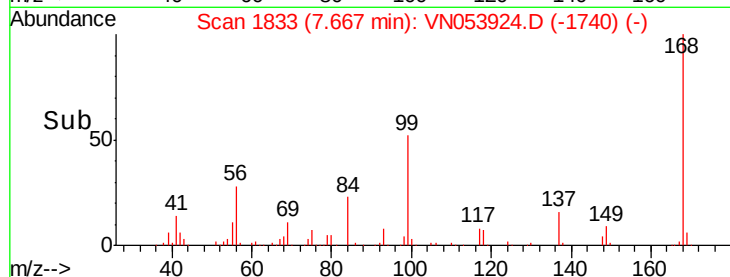
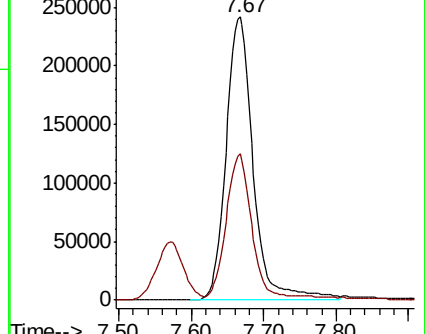
168 100

99 50.7 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.899 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053924.D

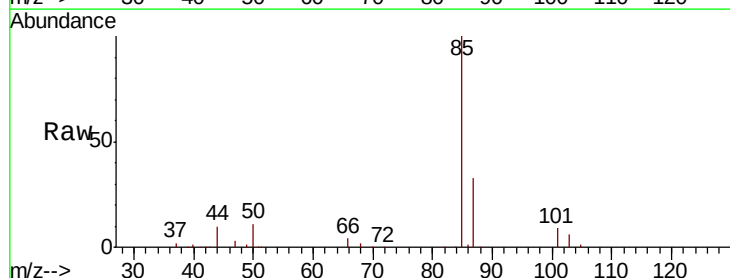
Acq: 25 Feb 2019 12:36

Tgt Ion: 85 Resp: 115025

Ion Ratio Lower Upper

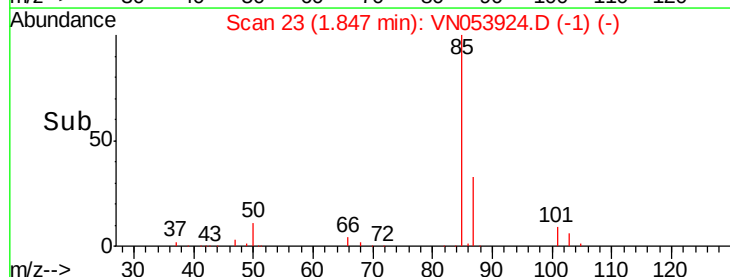
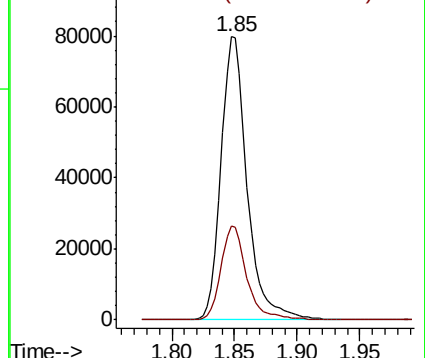
85 100

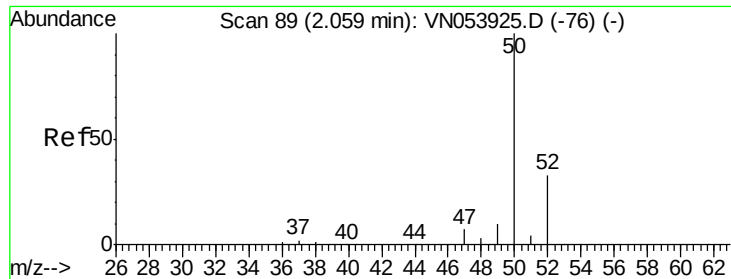
87 33.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.586 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

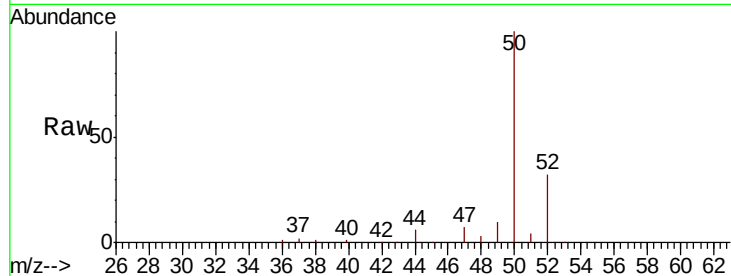
VSTDIC020

Tgt Ion: 50 Resp: 157044

Ion Ratio Lower Upper

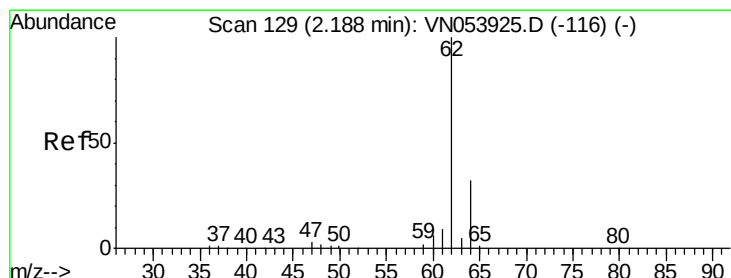
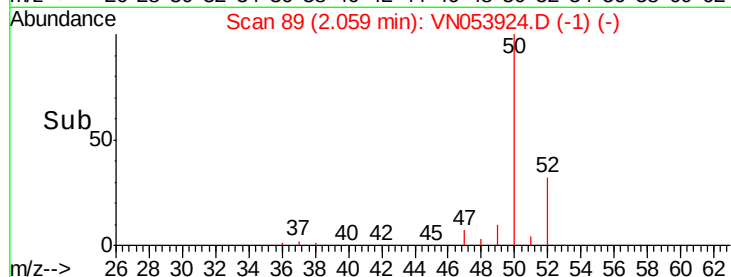
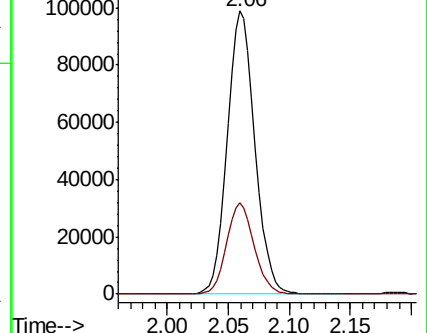
50 100

52 32.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.590 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053924.D

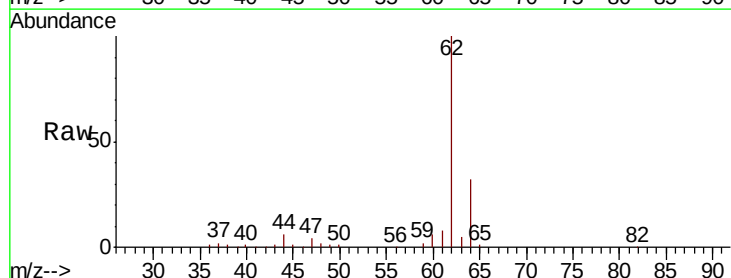
Acq: 25 Feb 2019 12:36

Tgt Ion: 62 Resp: 157382

Ion Ratio Lower Upper

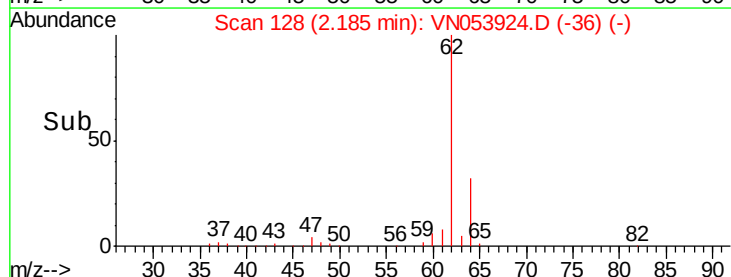
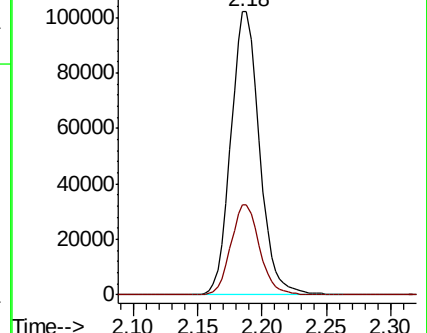
62 100

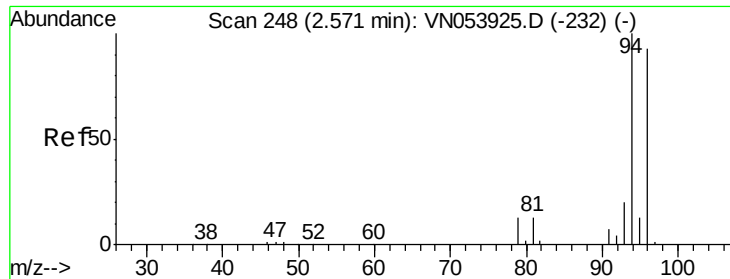
64 32.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

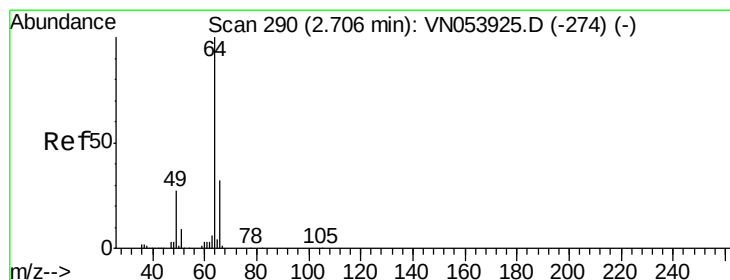
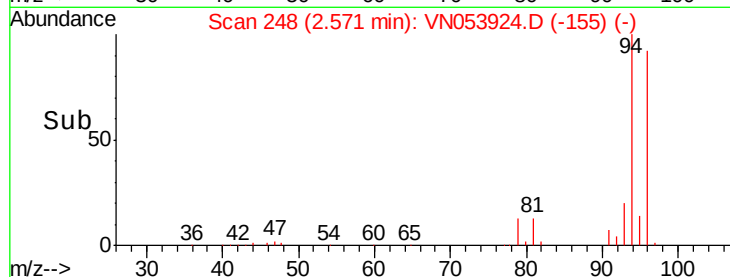
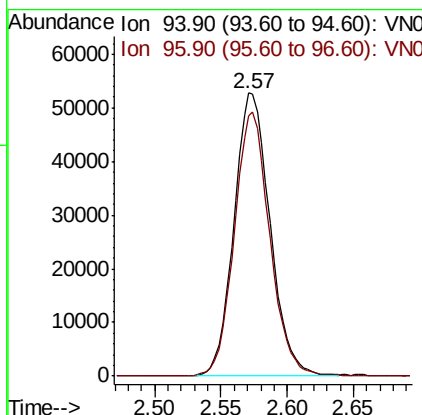
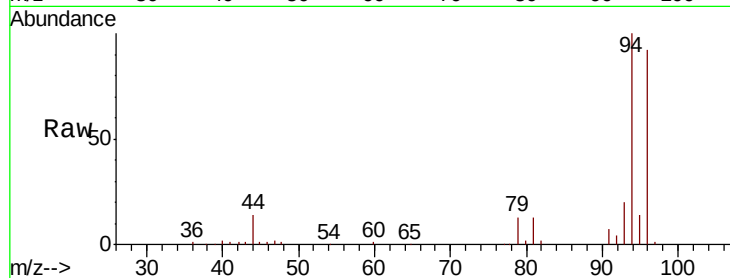




#5
Bromomethane
Concen: 18.738 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

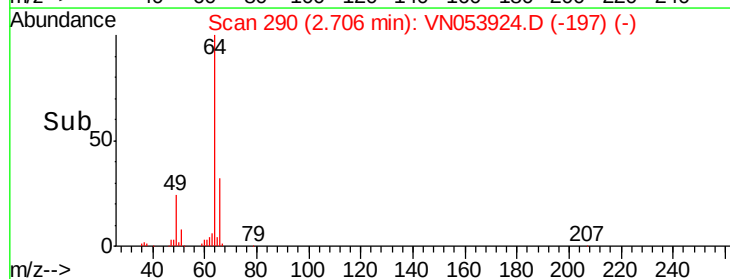
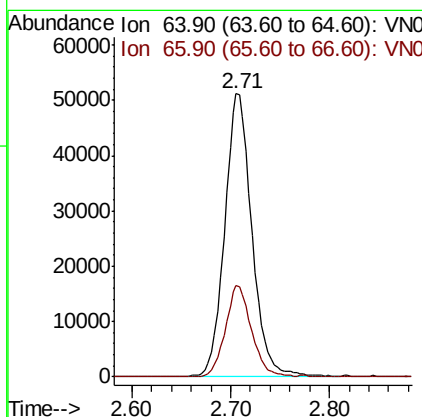
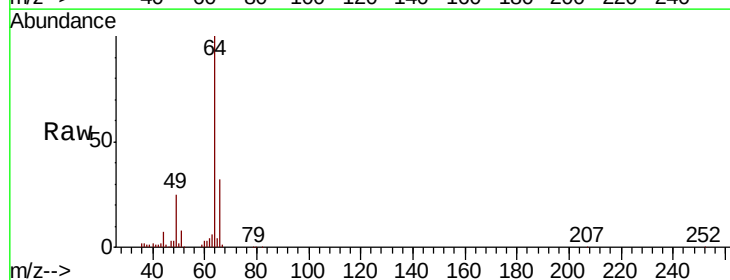
Instrument :
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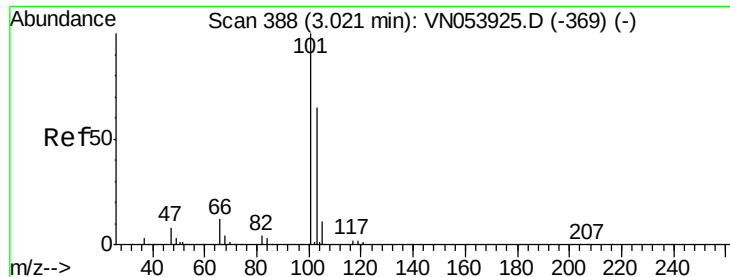
Tgt Ion: 94 Resp: 99697
Ion Ratio Lower Upper
94 100
96 92.0 74.9 112.3



#6
Chloroethane
Concen: 19.795 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion: 64 Resp: 98902
Ion Ratio Lower Upper
64 100
66 32.5 25.5 38.3



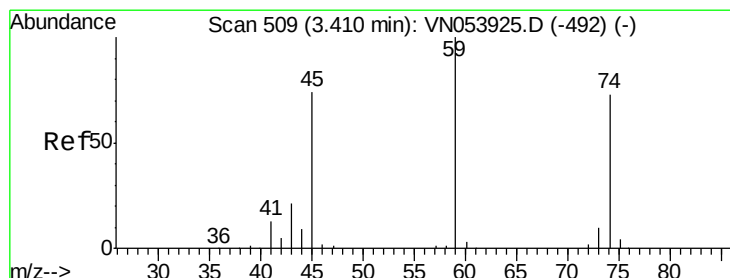
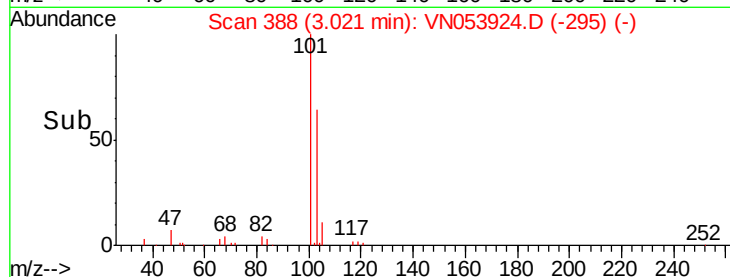
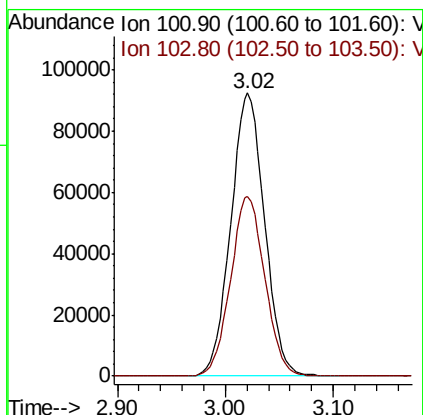
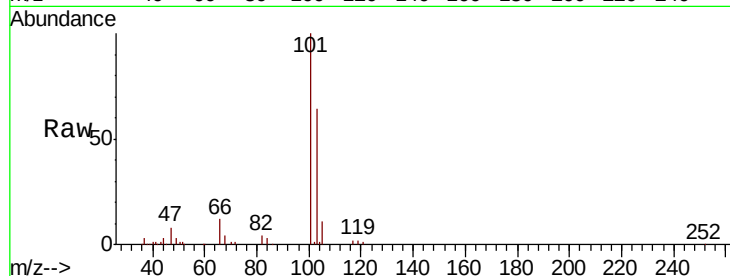


#7

Trichlorofluoromethane
 Concen: 19.629 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

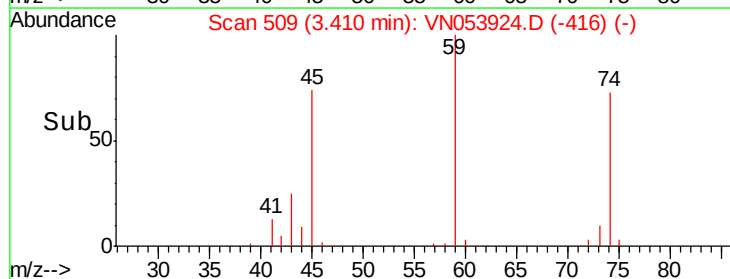
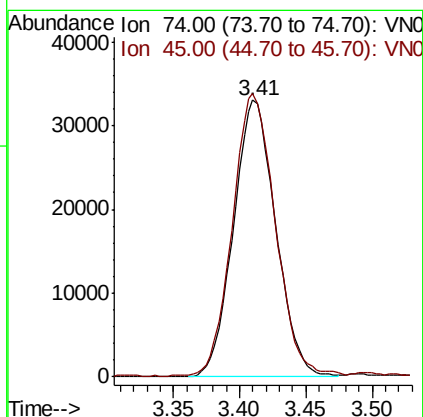
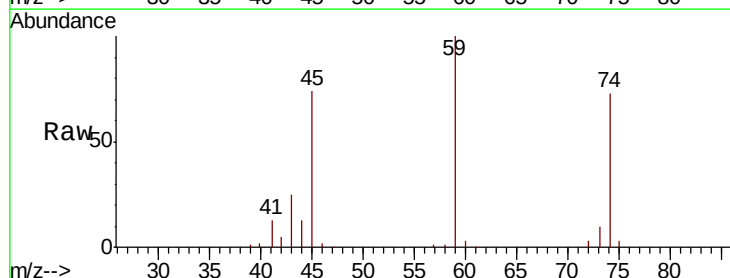
Tgt Ion: 101 Resp: 201451
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.9 77.9

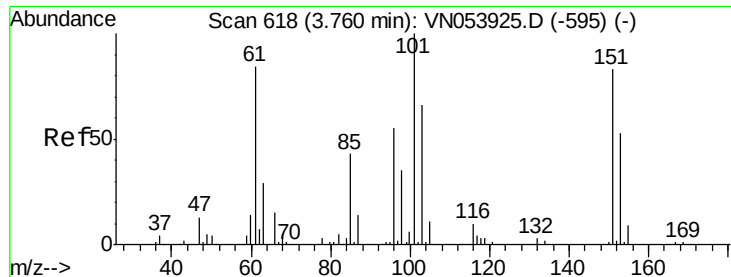


#8

Diethyl Ether
 Concen: 19.103 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion: 74 Resp: 73455
 Ion Ratio Lower Upper
 74 100
 45 104.5 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.727 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

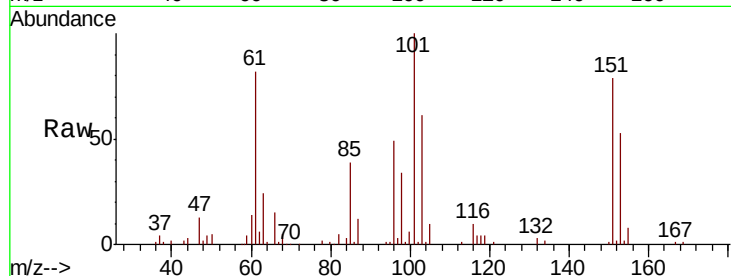
Tgt Ion:101 Resp: 127867

Ion Ratio Lower Upper

101 100

85 41.1 32.5 48.7

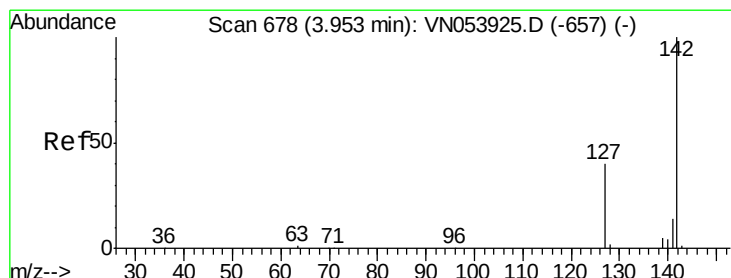
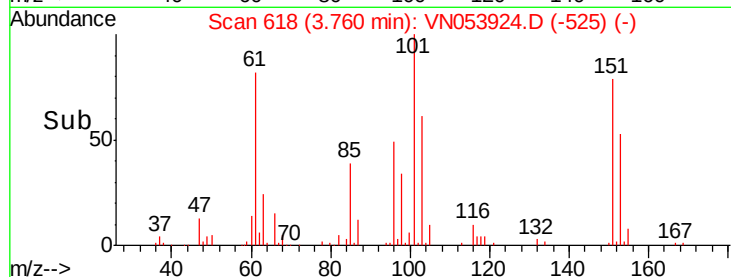
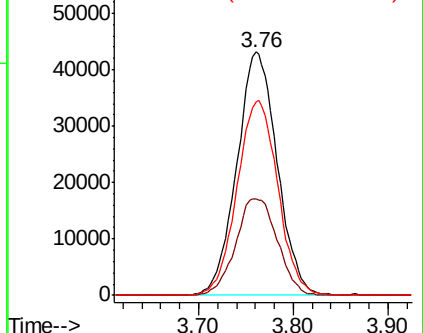
151 80.6 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.370 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

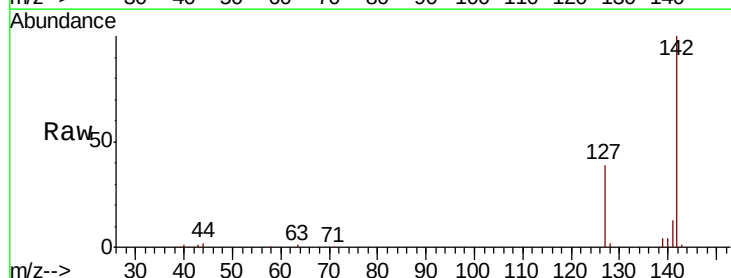
Tgt Ion:142 Resp: 164977

Ion Ratio Lower Upper

142 100

127 39.5 31.0 46.4

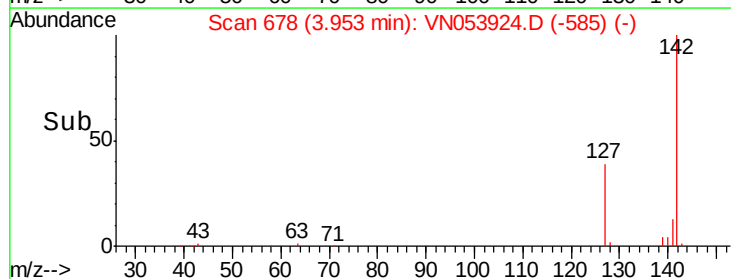
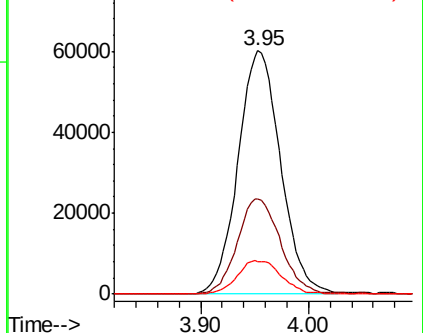
141 14.3 11.3 16.9

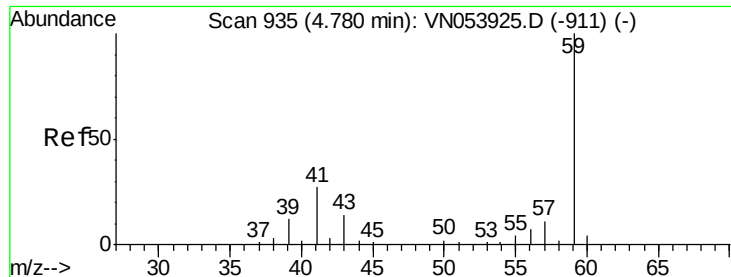


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

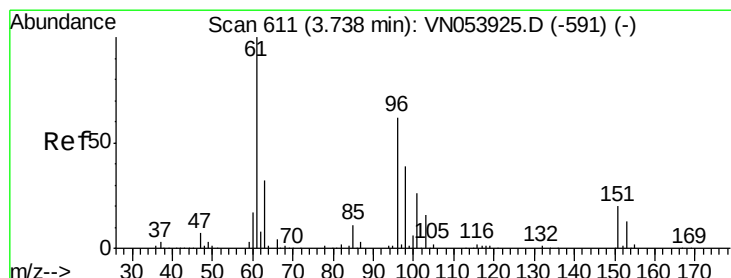
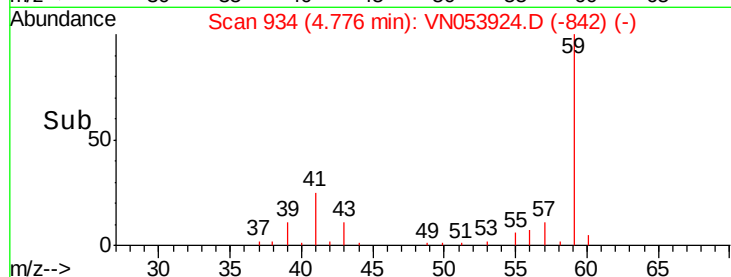
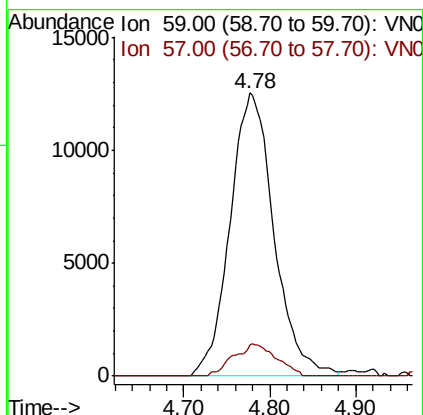
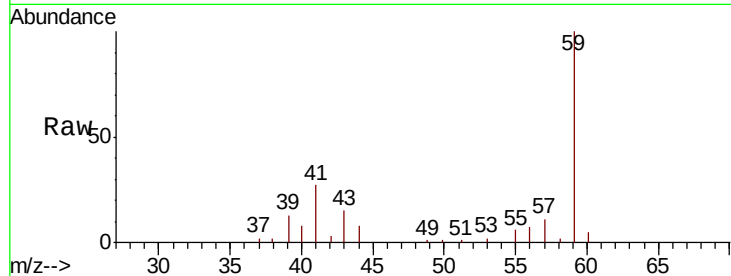




#11
Tert butyl alcohol
Concen: 95.480 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

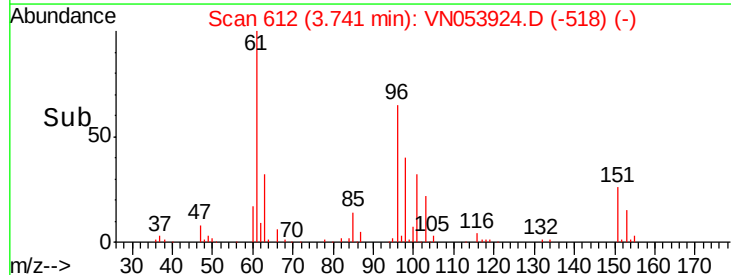
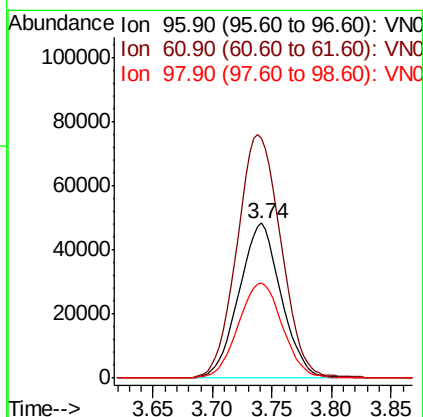
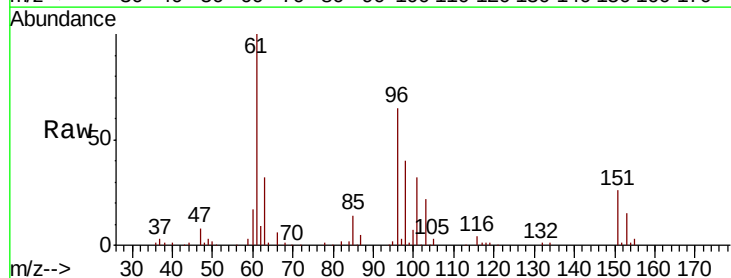
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

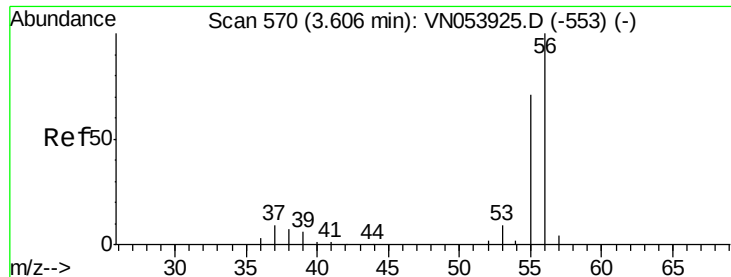
Tgt Ion: 59 Resp: 44565
Ion Ratio Lower Upper
59 100
57 11.1 8.1 12.1



#12
1,1-Dichloroethene
Concen: 19.146 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion: 96 Resp: 118708
Ion Ratio Lower Upper
96 100
61 154.6 121.0 181.4
98 61.3 52.2 78.2





#13

Acrolein

Concen: 72.819 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

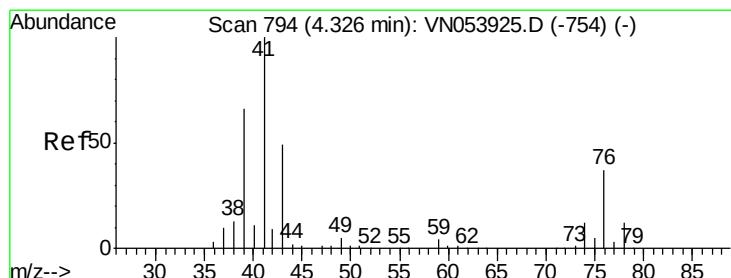
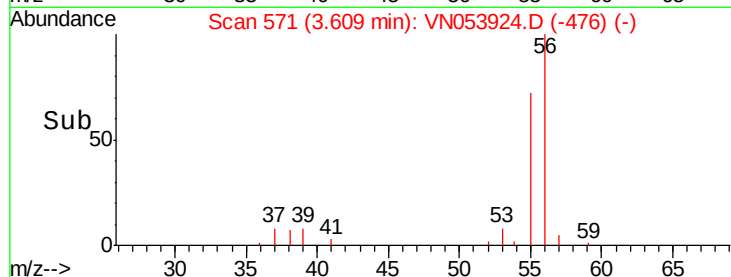
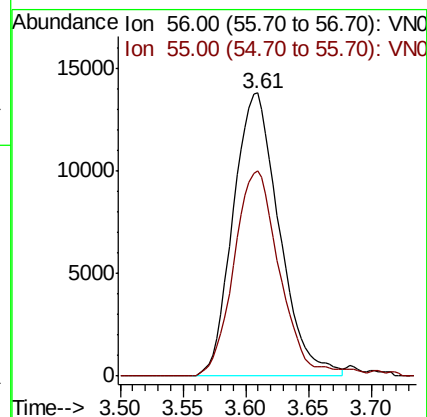
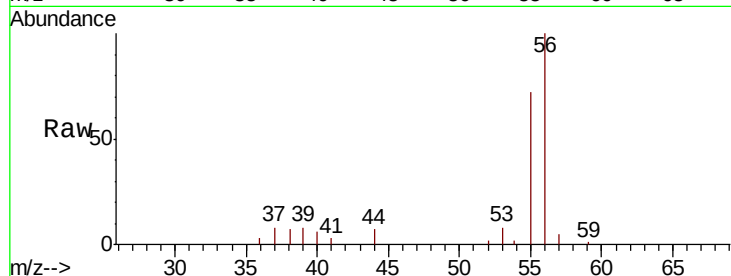
VSTDIC020

Tgt Ion: 56 Resp: 35189

Ion Ratio Lower Upper

56 100

55 71.4 56.3 84.5



#14

Allyl chloride

Concen: 19.360 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

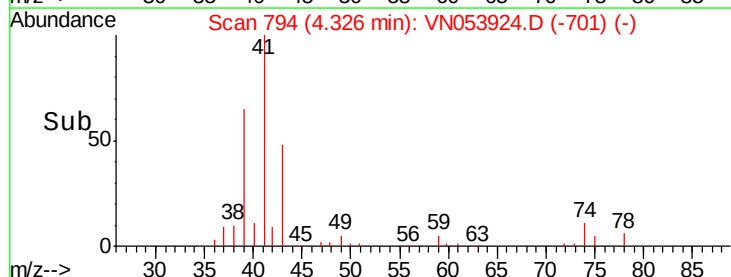
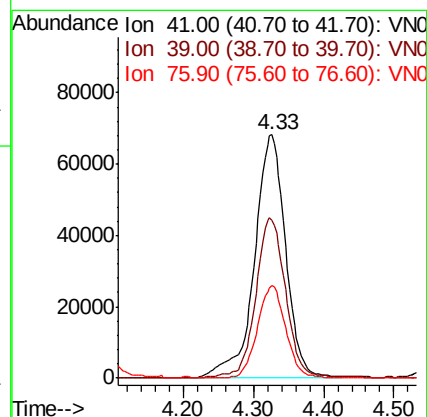
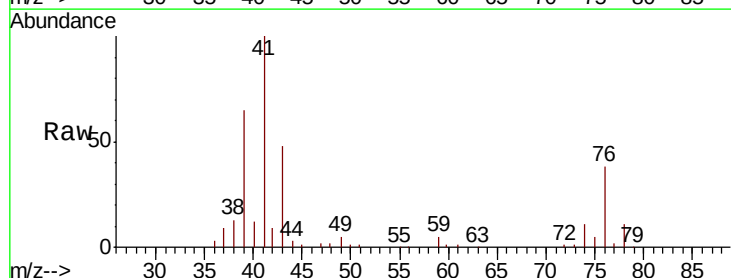
Tgt Ion: 41 Resp: 210531

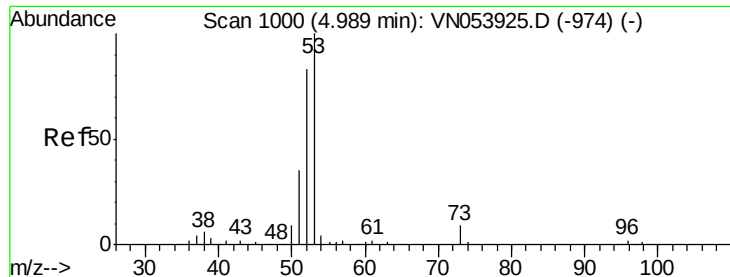
Ion Ratio Lower Upper

41 100

39 63.1 48.8 73.2

76 33.8 30.9 46.3





#15

Acrylonitrile

Concen: 97.648 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

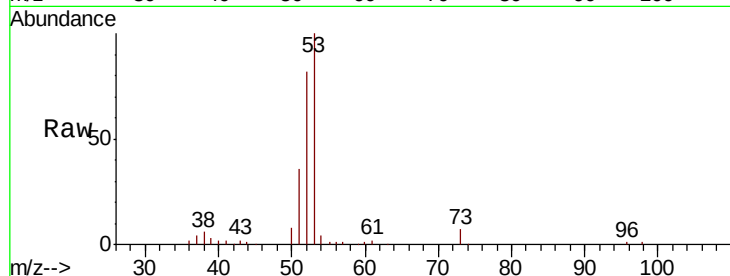
Tgt Ion: 53 Resp: 240213

Ion Ratio Lower Upper

53 100

52 82.0 65.1 97.7

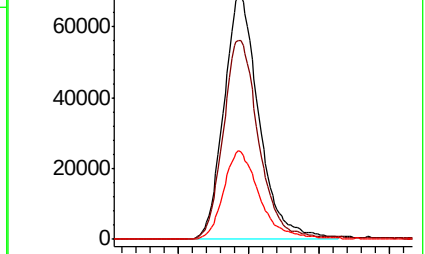
51 36.9 28.2 42.4



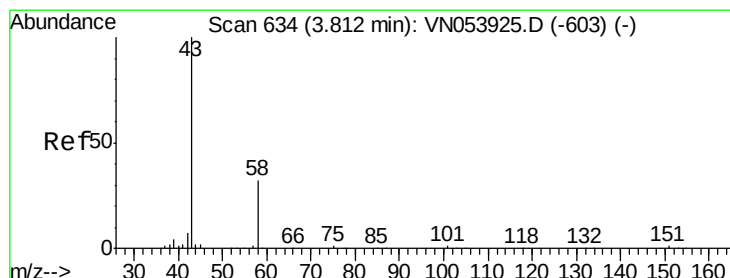
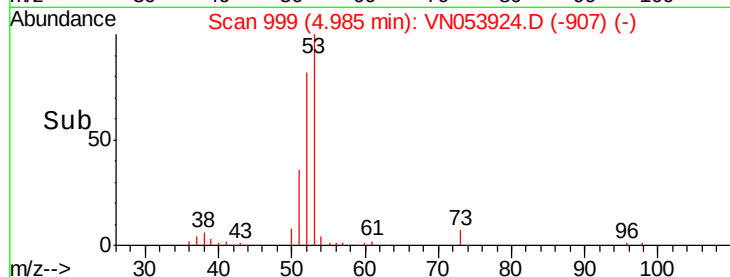
Abundance Ion 53.00 (52.70 to 53.70): VN053924.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053924.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053924.D (-974) (-)



Time-->



#16

Acetone

Concen: 99.019 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053924.D

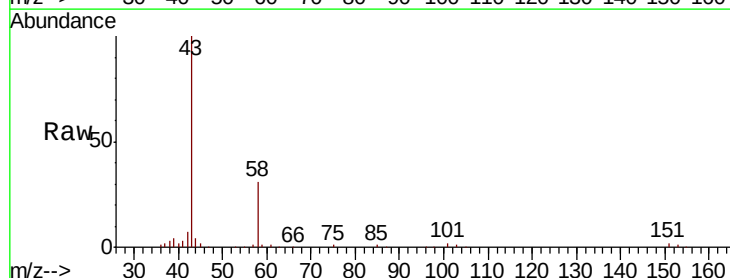
Acq: 25 Feb 2019 12:36

Tgt Ion: 43 Resp: 207296

Ion Ratio Lower Upper

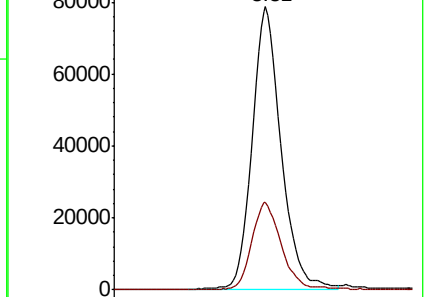
43 100

58 30.8 27.6 41.4

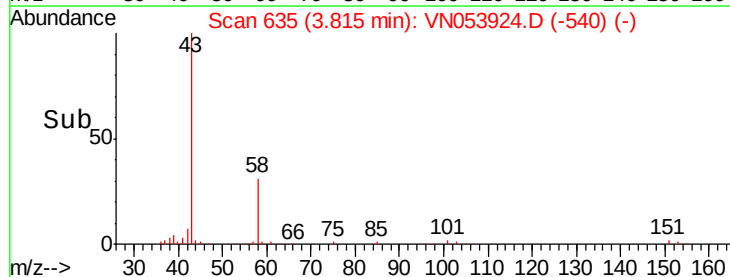


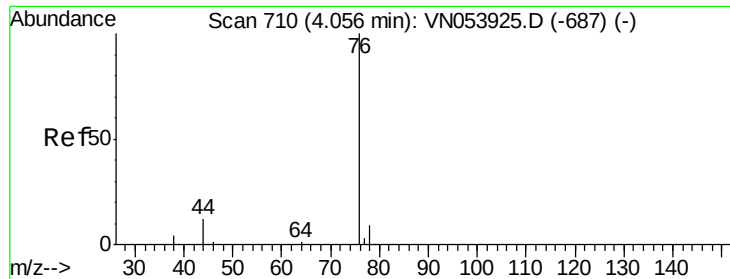
Abundance Ion 43.00 (42.70 to 43.70): VN053924.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN053924.D (-540) (-)



Time-->





#17

Carbon Disulfide

Concen: 18.953 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

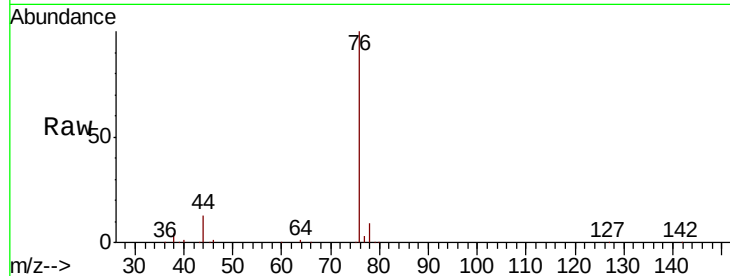
VSTDIC020

Tgt Ion: 76 Resp: 379089

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN053924.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053924.D (-617) (-)

4.05

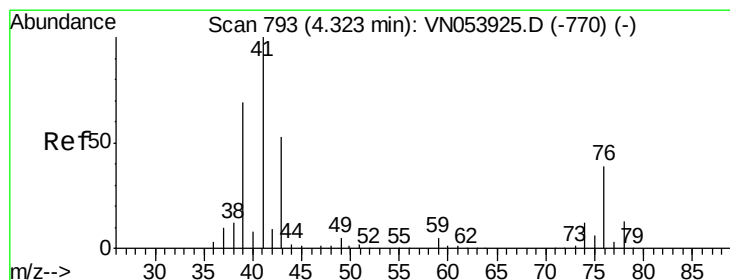
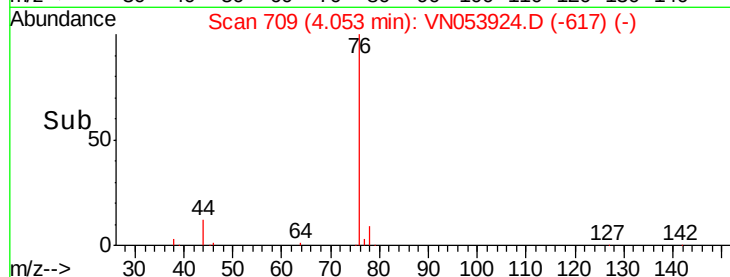
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.668 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053924.D

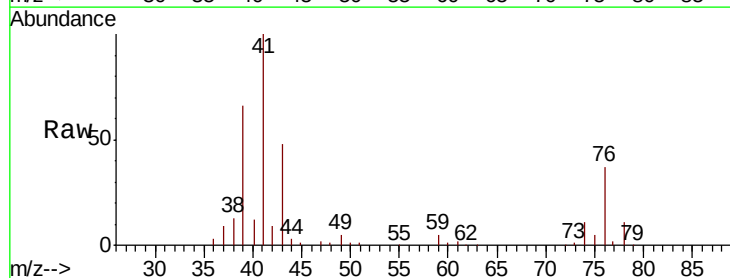
Acq: 25 Feb 2019 12:36

Tgt Ion: 43 Resp: 96109

Ion Ratio Lower Upper

43 100

74 23.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053924.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053924.D (-700) (-)

4.32

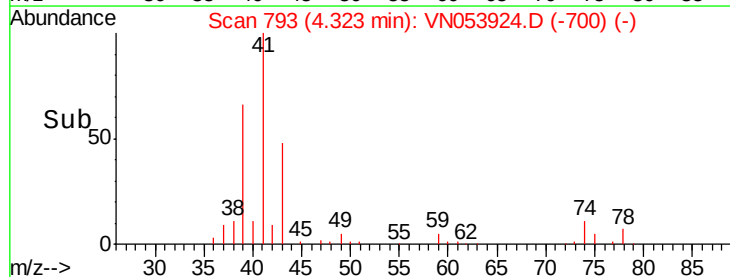
30000

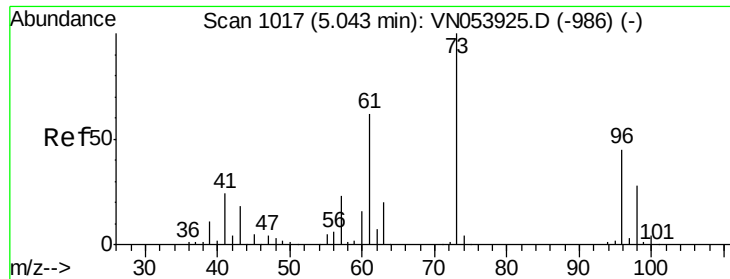
20000

10000

0

Time-->

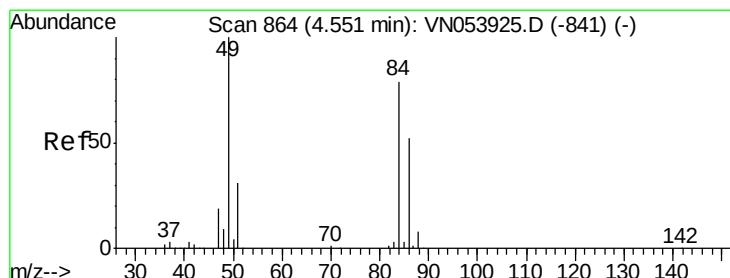
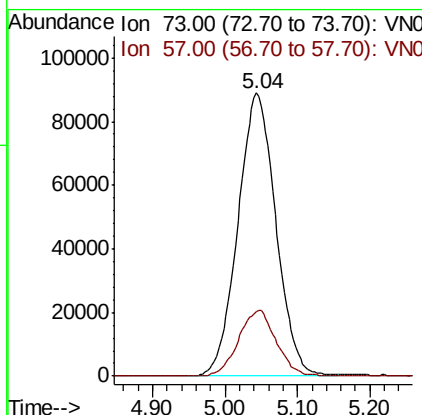
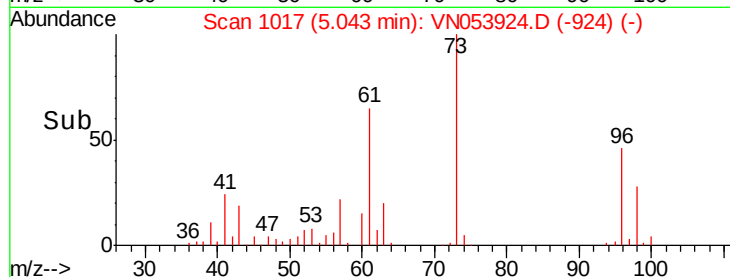
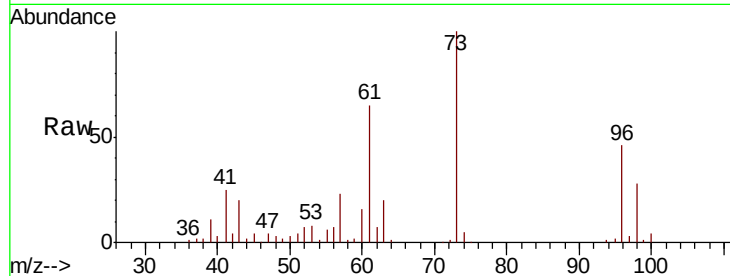




#19
Methyl tert-butyl Ether
Concen: 19.468 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

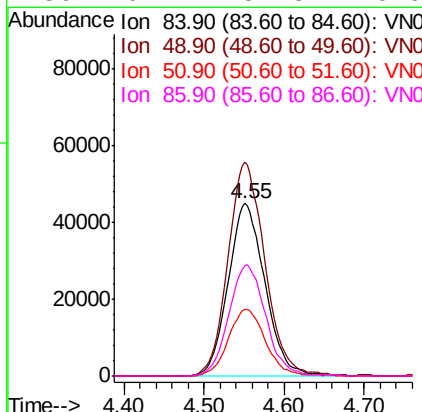
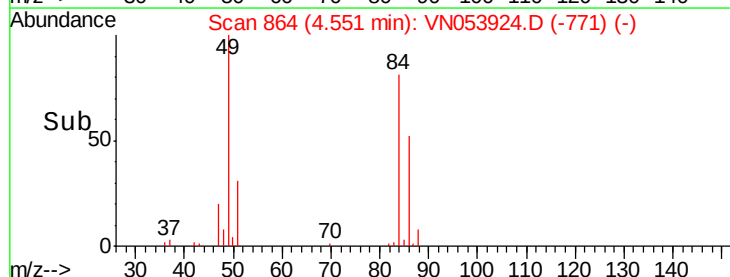
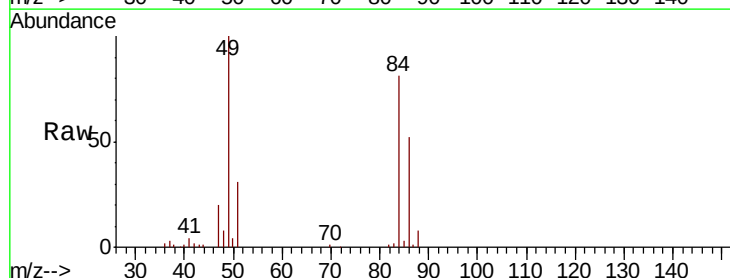
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

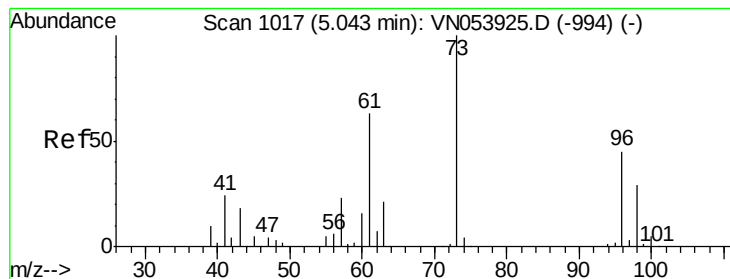
Tgt Ion: 73 Resp: 323798
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0



#20
Methylene Chloride
Concen: 19.292 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion: 84 Resp: 140580
Ion Ratio Lower Upper
84 100
49 123.9 89.7 134.5
51 38.6 27.8 41.8
86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.304 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

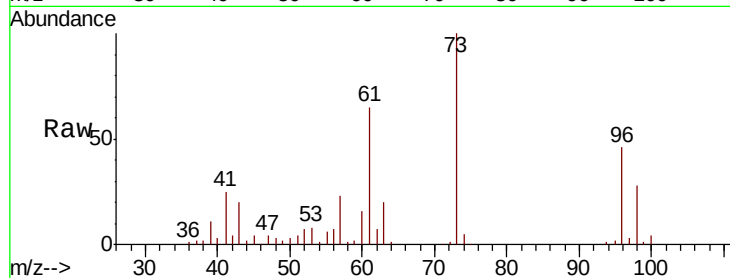
Tgt Ion: 96 Resp: 129541

Ion Ratio Lower Upper

96 100

61 140.8 104.5 156.7

98 61.7 50.6 76.0

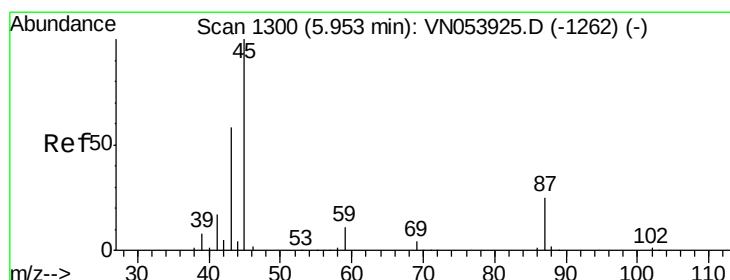
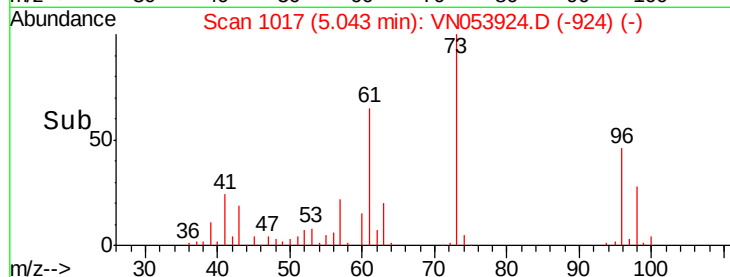
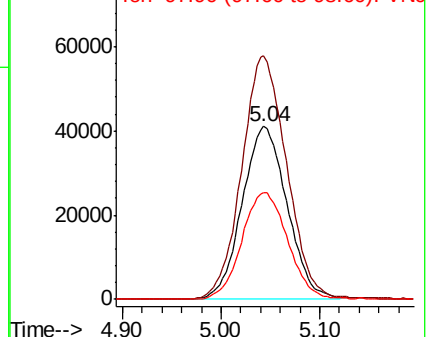


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.678 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Tgt Ion: 45 Resp: 412830

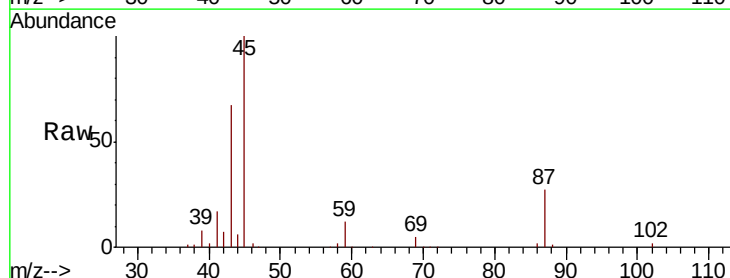
Ion Ratio Lower Upper

45 100

43 63.8 46.2 69.4

87 25.9 23.4 35.0

59 11.6 9.4 14.0



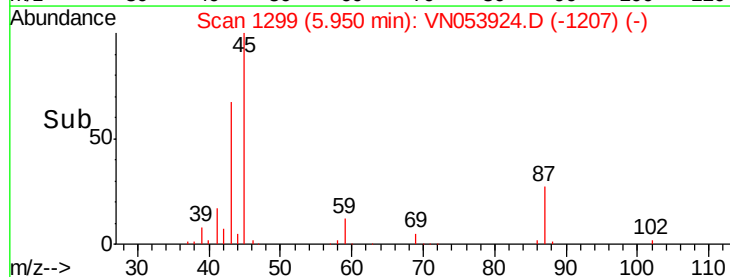
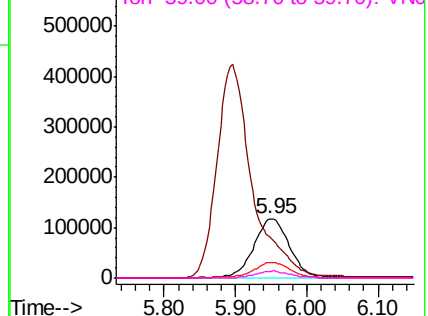
Abundance

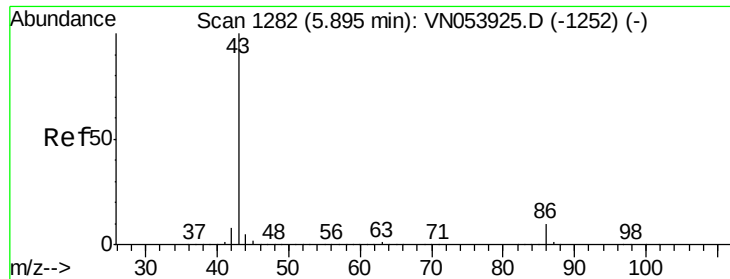
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

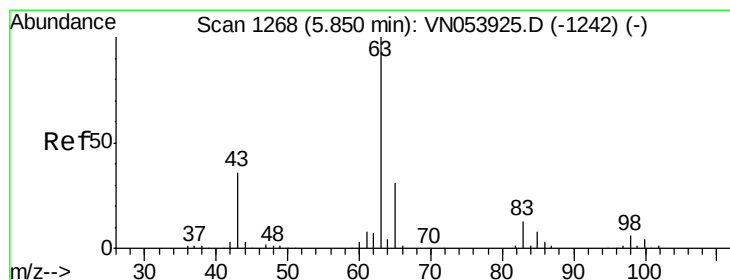
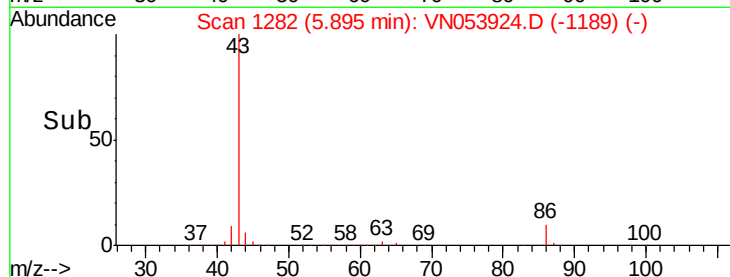
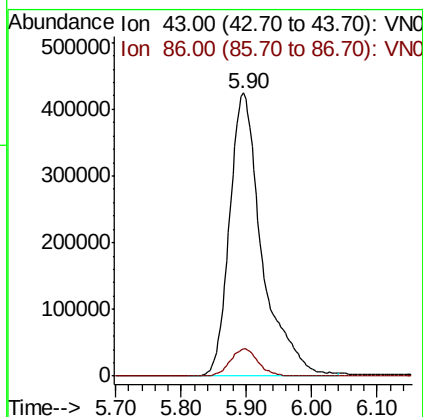
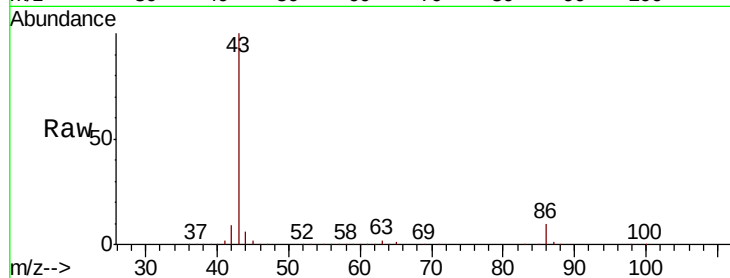




#23
 Vinyl Acetate
 Concen: 97.016 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

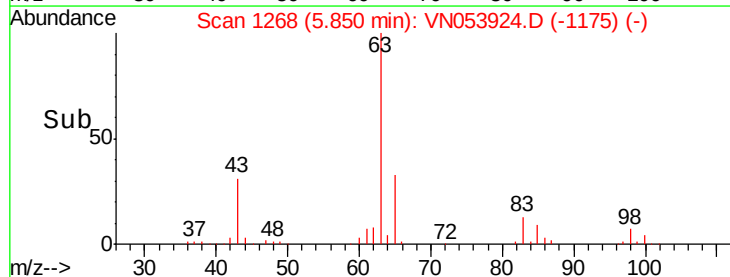
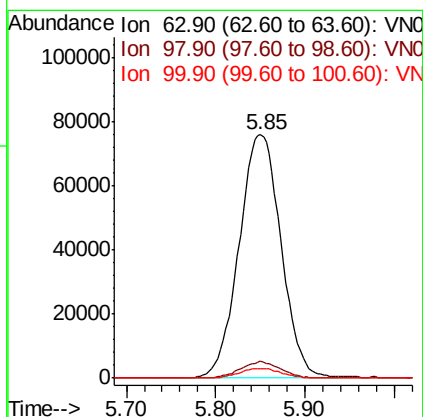
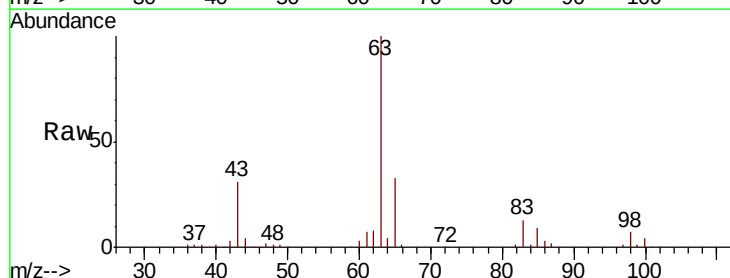
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

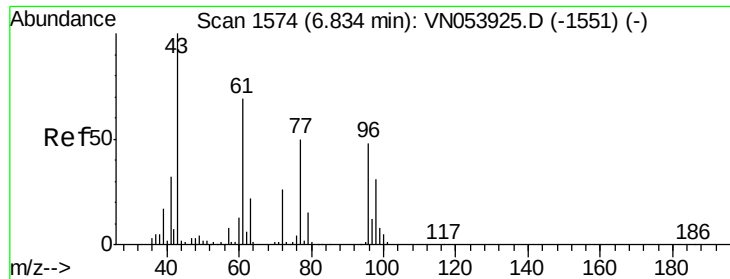
Tgt Ion: 43 Resp: 1464180
 Ion Ratio Lower Upper
 43 100
 86 9.7 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 19.348 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion: 63 Resp: 248923
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.0 2.2 6.6

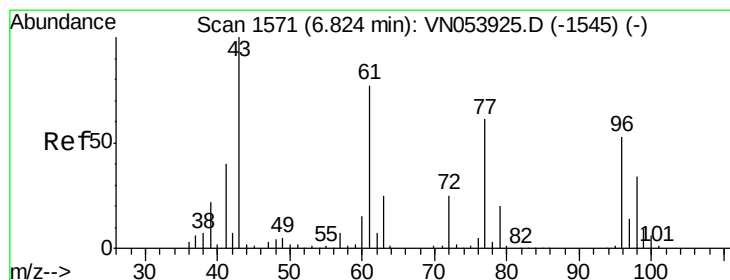
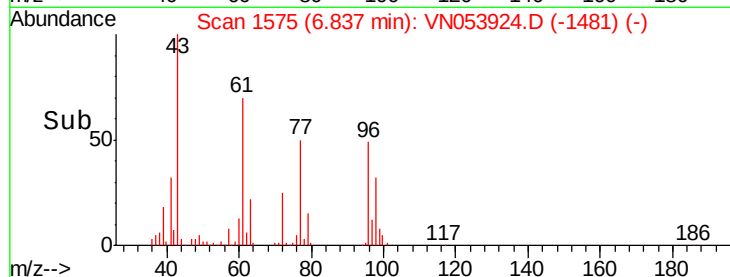
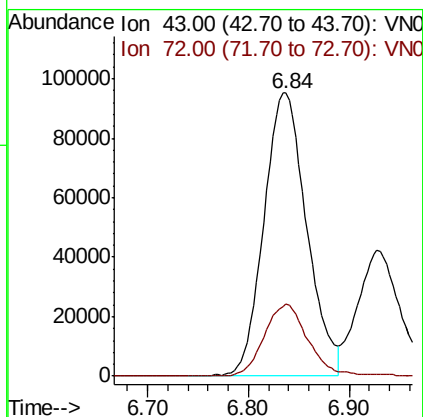
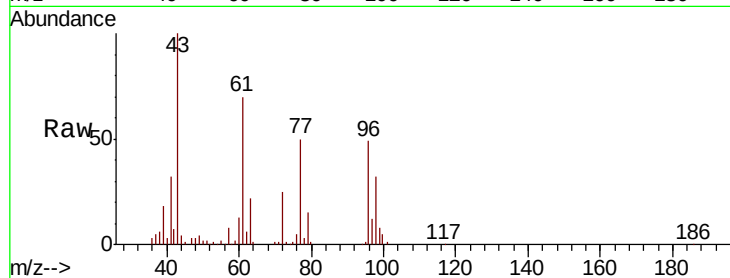




#25
2-Butanone
Concen: 97.138 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

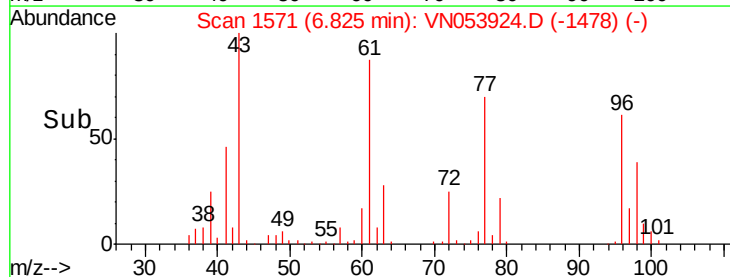
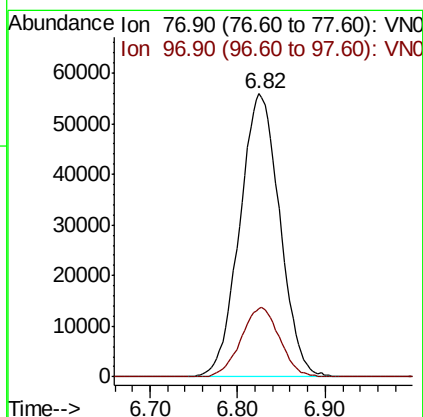
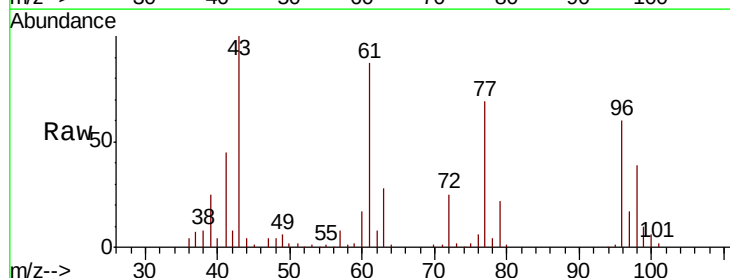
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

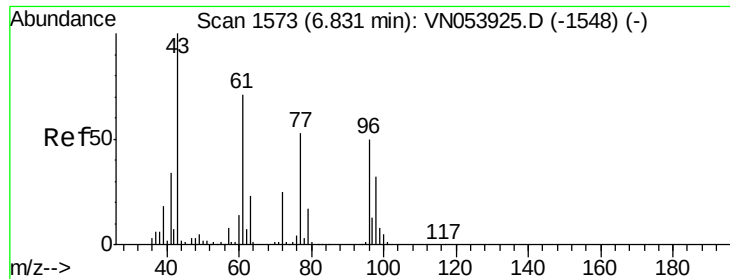
Tgt Ion: 43 Resp: 280820
Ion Ratio Lower Upper
43 100
72 25.3 22.1 33.1



#26
2,2-Dichloropropane
Concen: 19.414 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion: 77 Resp: 177451
Ion Ratio Lower Upper
77 100
97 23.6 12.3 36.9

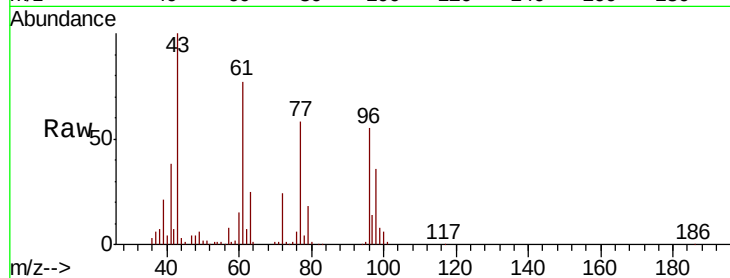




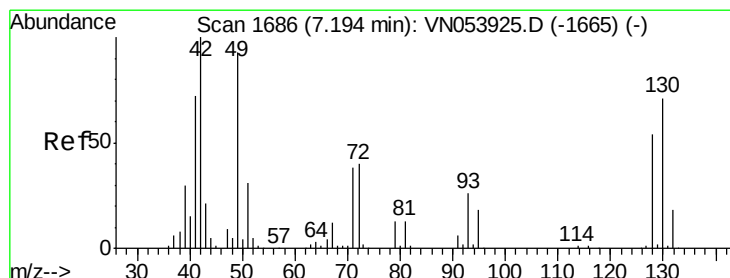
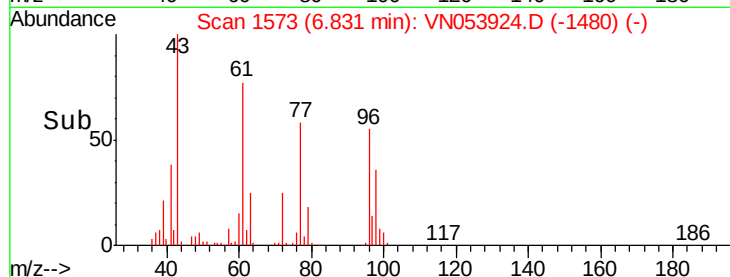
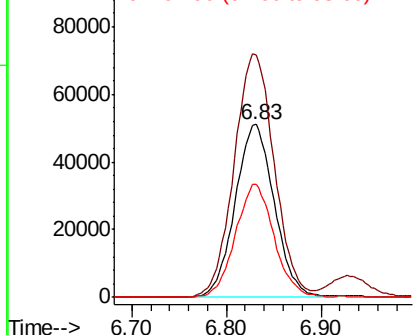
#27
 cis-1,2-Dichloroethene
 Concen: 19.720 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 147173
 Ion Ratio Lower Upper
 96 100
 61 144.6 0.0 275.6
 98 64.6 0.0 130.0

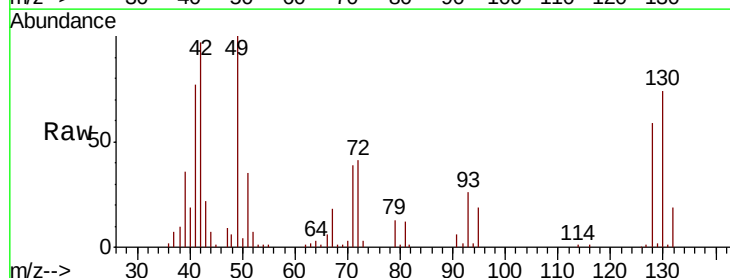


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

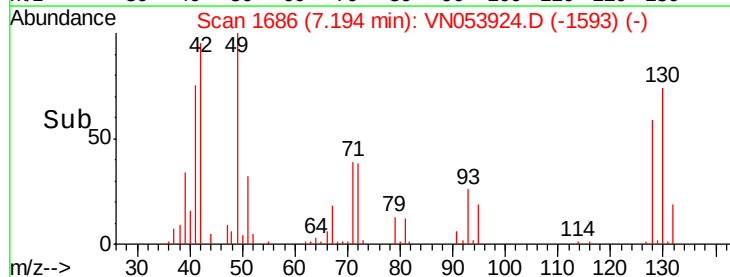
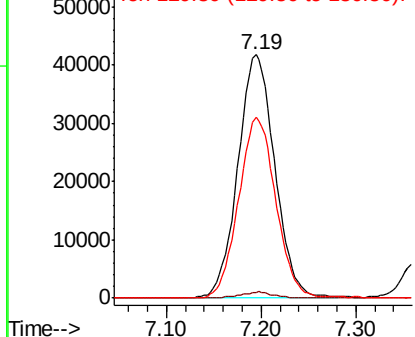


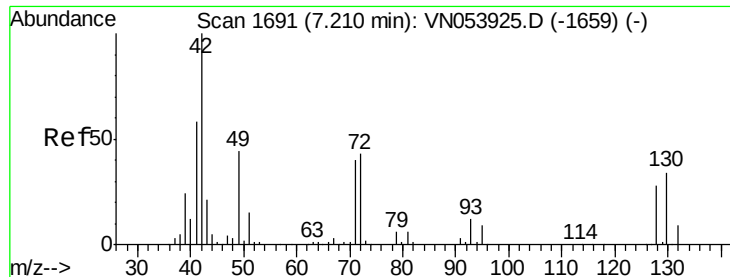
#28
 Bromochloromethane
 Concen: 19.286 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion: 49 Resp: 113570
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.6
 130 74.6 72.9 109.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

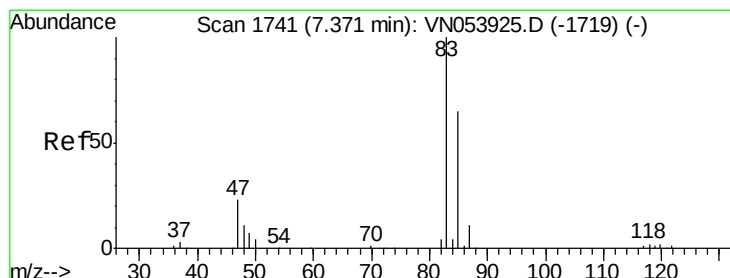
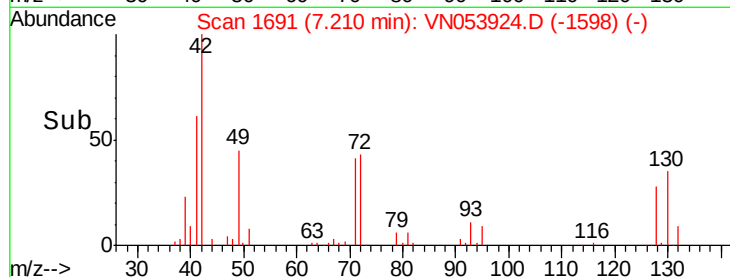
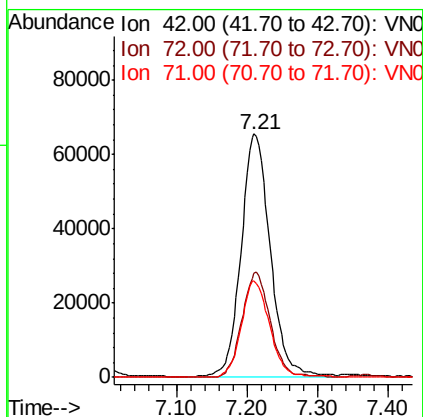
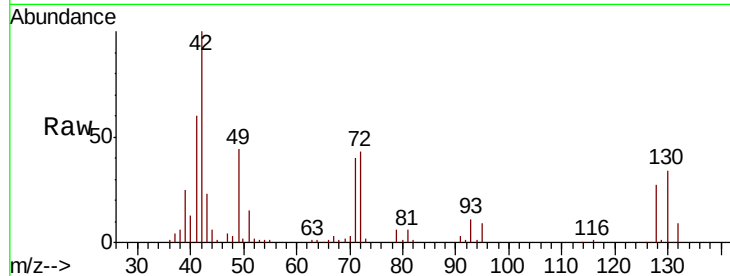




#29
Tetrahydrofuran
Concen: 97.422 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

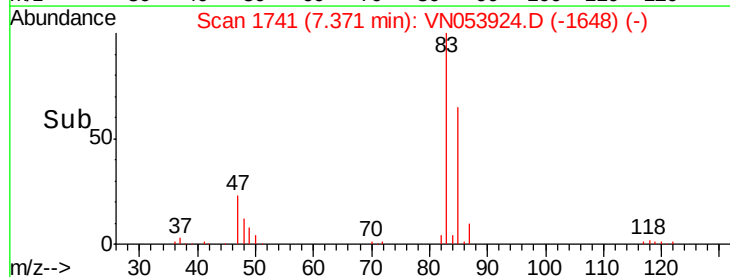
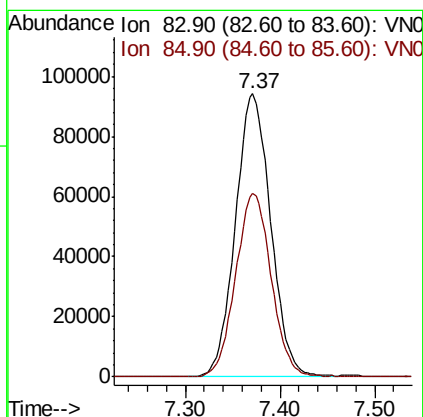
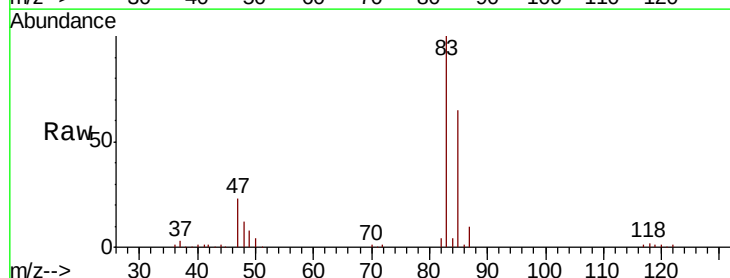
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

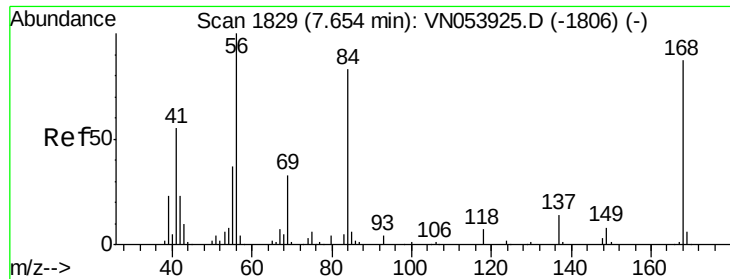
Tgt Ion: 42 Resp: 187554
Ion Ratio Lower Upper
42 100
72 42.0 36.9 55.3
71 38.6 34.6 52.0



#30
Chloroform
Concen: 19.599 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion: 83 Resp: 244501
Ion Ratio Lower Upper
83 100
85 64.9 52.6 78.8

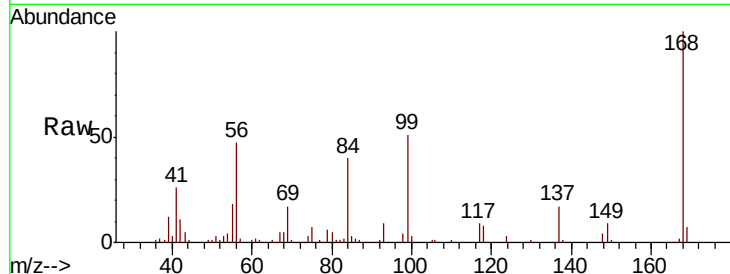




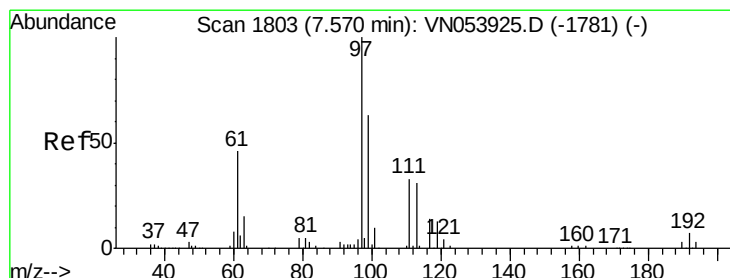
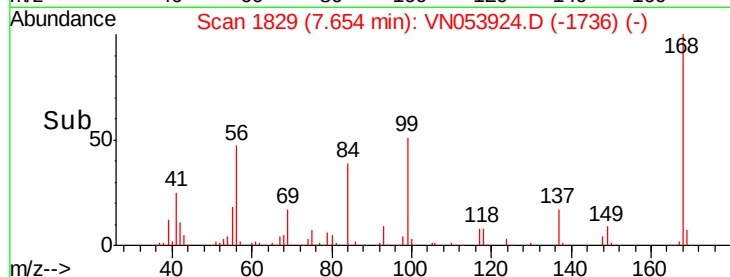
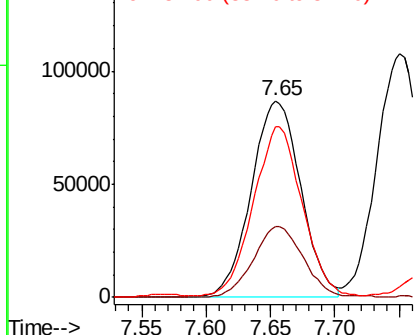
#31
Cyclohexane
Concen: 19.509 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.0	26.0	39.0
84	85.6	69.1	103.7

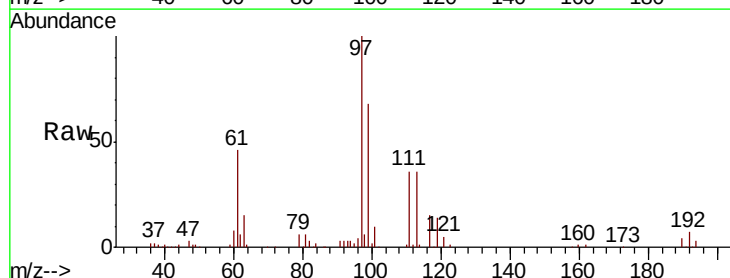


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

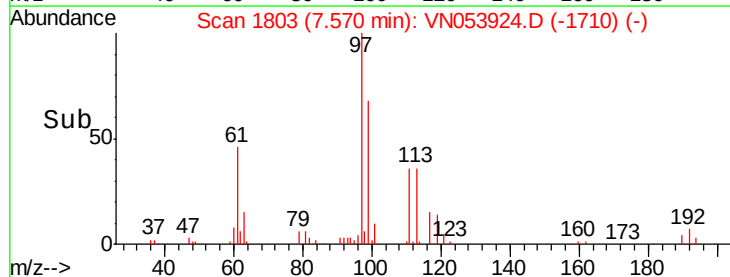
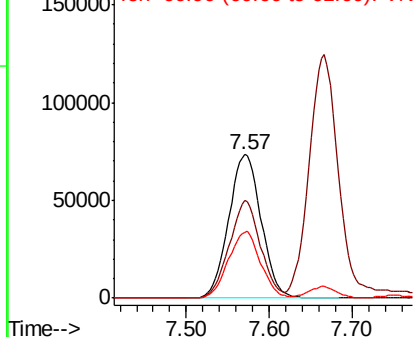


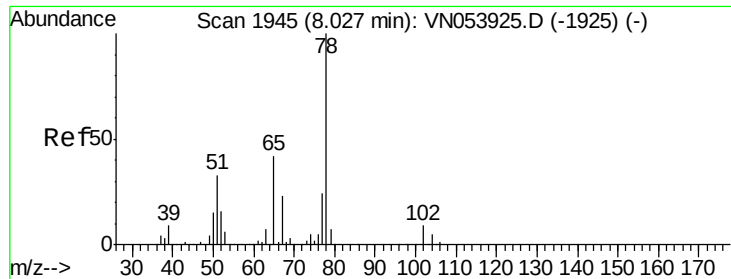
#32
1,1,1-Trichloroethane
Concen: 19.485 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.8
61	45.7	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

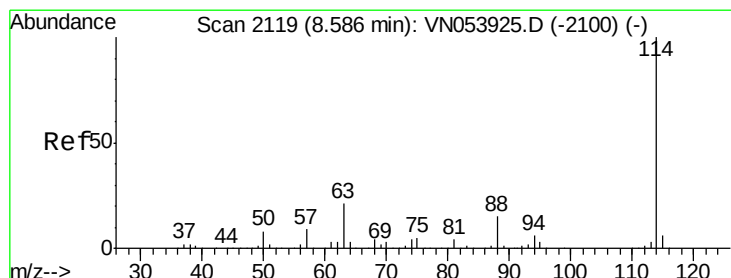
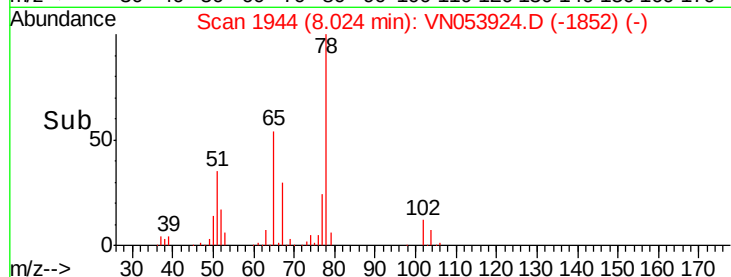
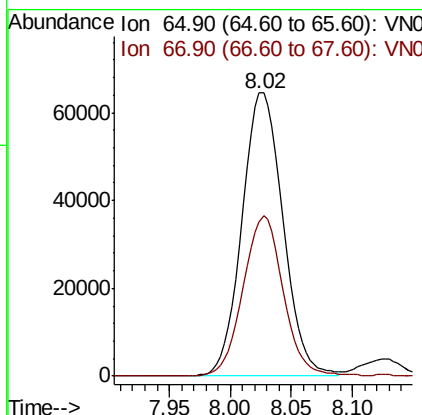
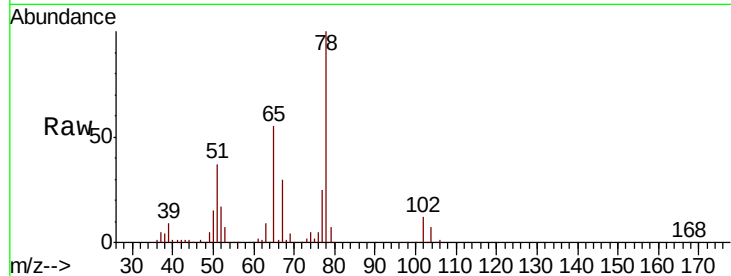




#33
 1,2-Dichloroethane-d4
 Concen: 20.434 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

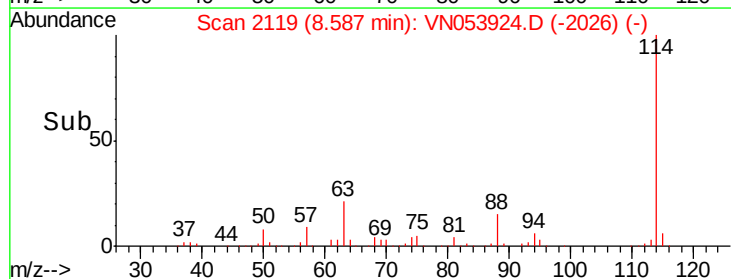
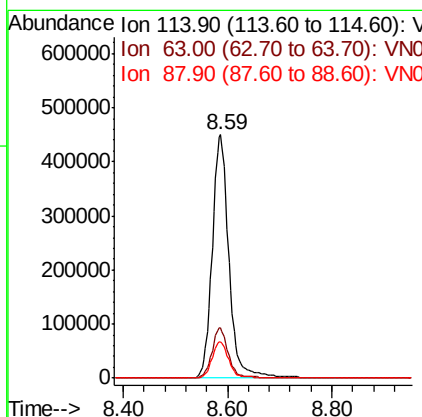
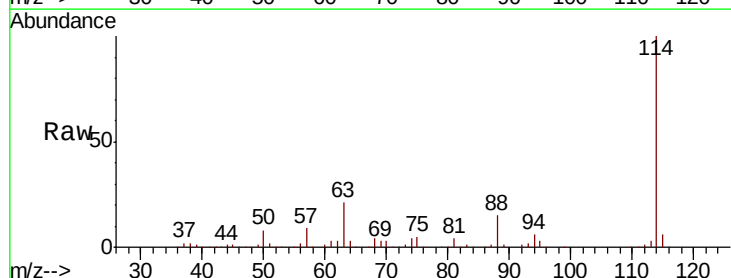
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

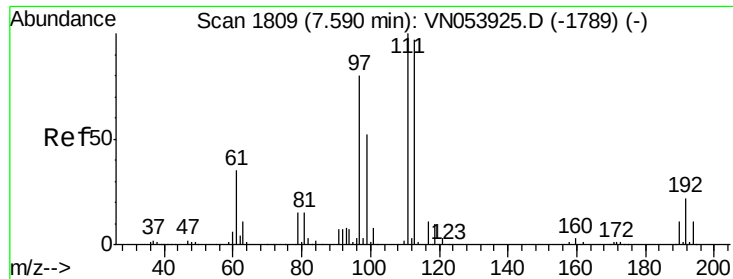
Tgt Ion: 65 Resp: 150449
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion: 114 Resp: 1005613
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 37.4
 88 15.1 0.0 30.4

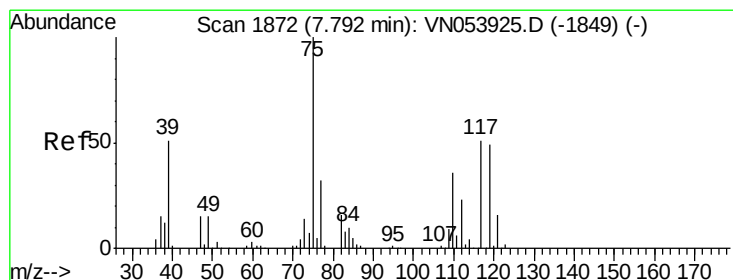
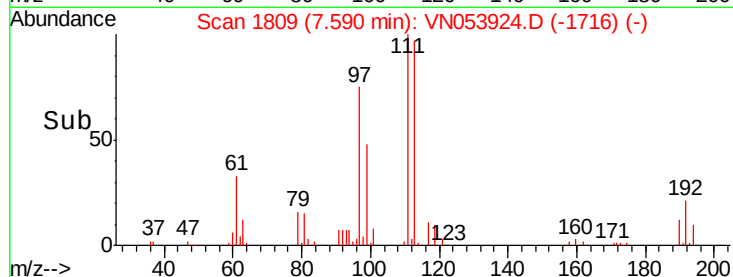
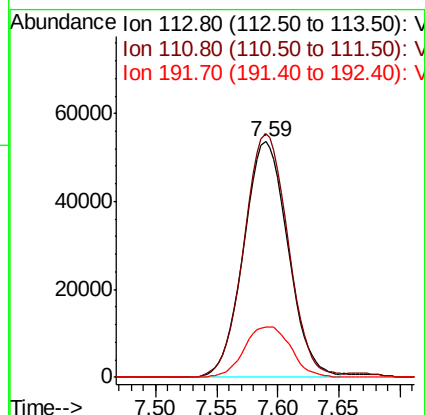
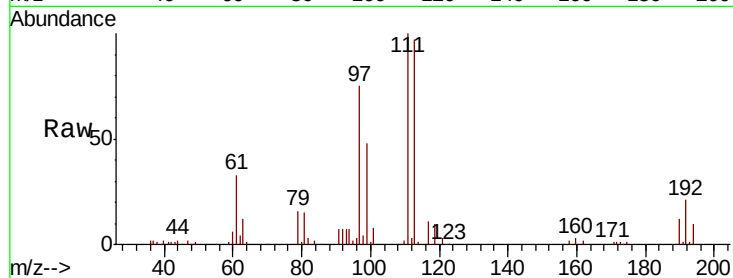




#35
 Dibromofluoromethane
 Concen: 20.788 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

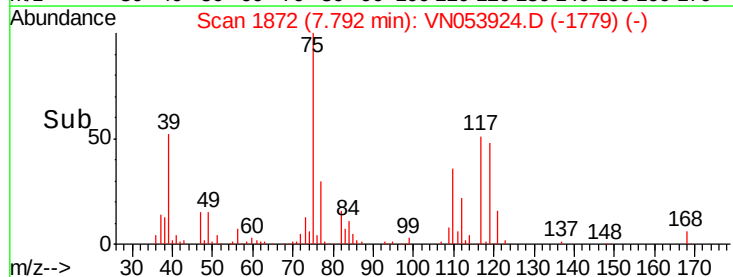
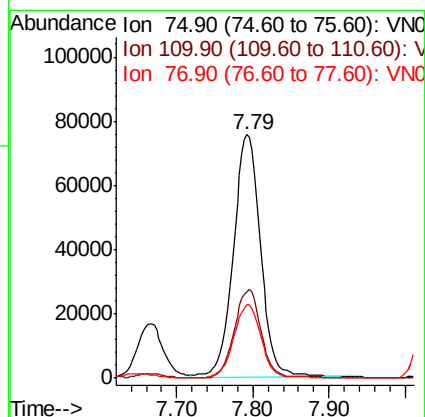
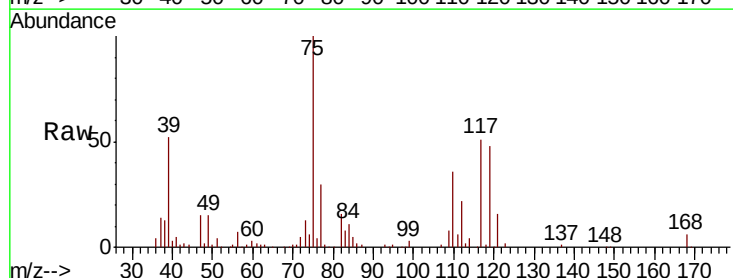
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

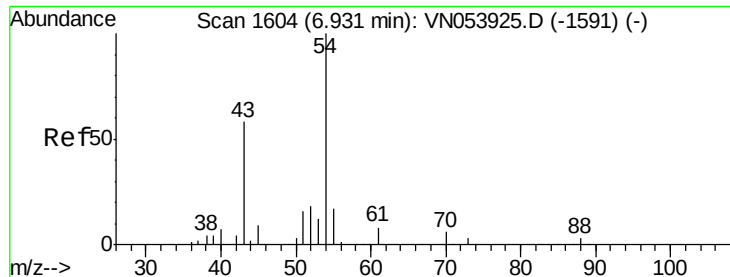
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.1	121.7
192	22.6	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 20.081 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	19.0	57.0
77	29.7	25.4	38.0

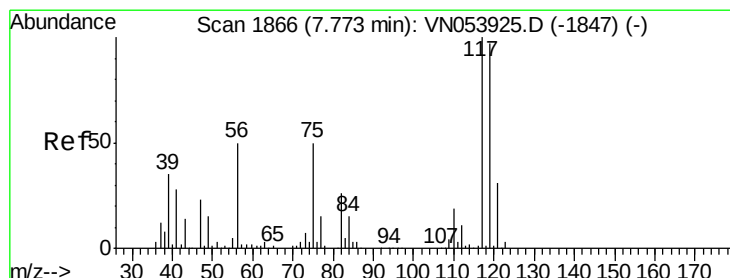
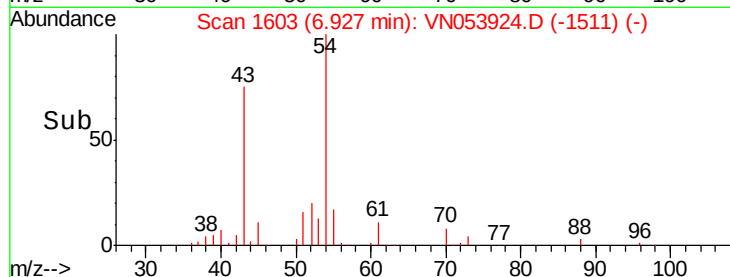
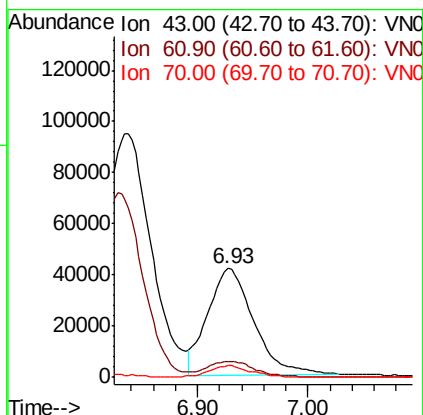
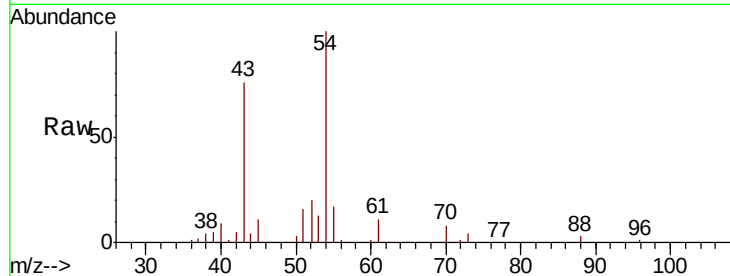




#37
 Ethyl Acetate
 Concen: 18.172 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

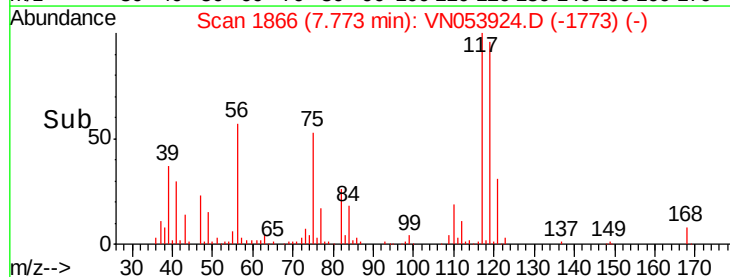
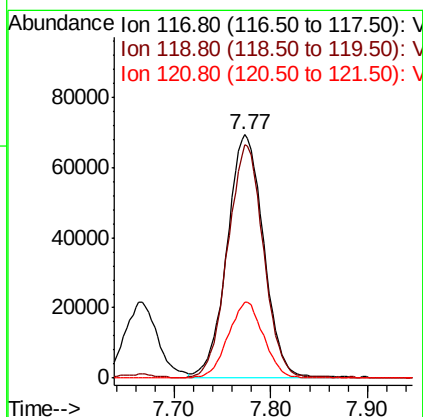
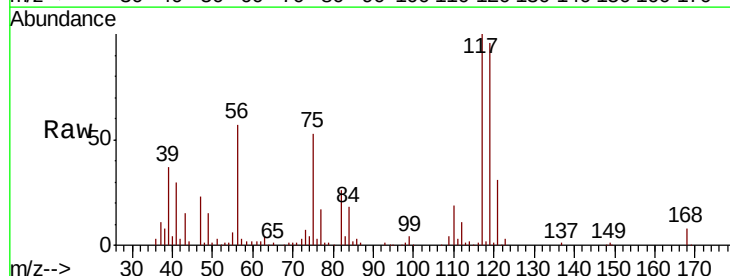
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

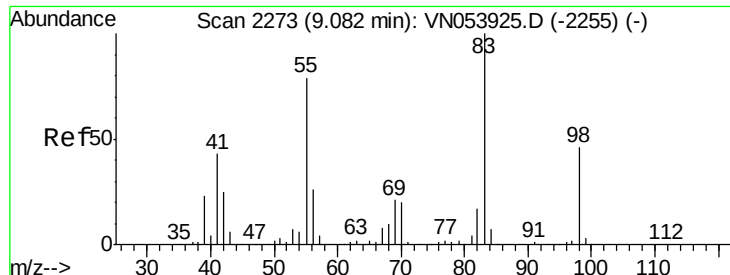
Tgt Ion: 43 Resp: 121345
 Ion Ratio Lower Upper
 43 100
 61 14.7 12.0 18.0
 70 9.9 8.7 13.1



#38
 Carbon Tetrachloride
 Concen: 18.583 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion: 117 Resp: 180738
 Ion Ratio Lower Upper
 117 100
 119 95.6 76.2 114.2
 121 31.2 24.6 36.8

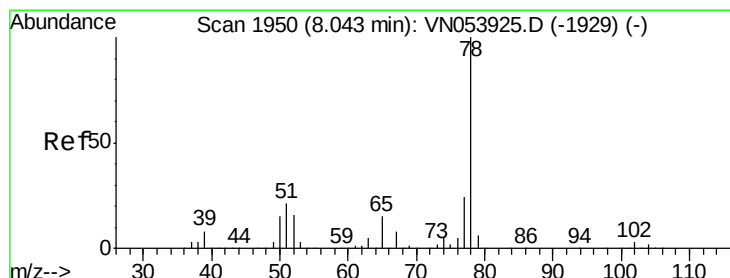
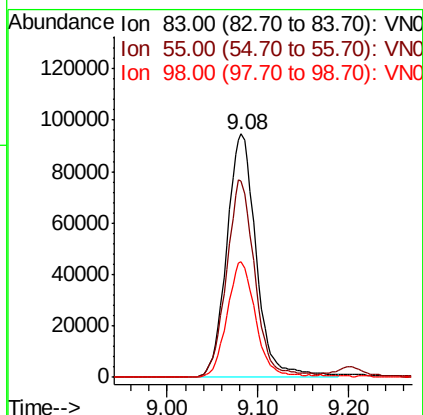
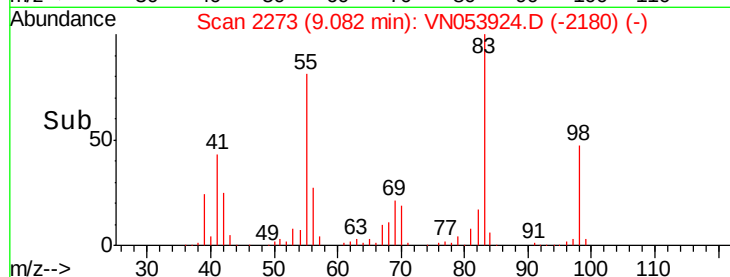
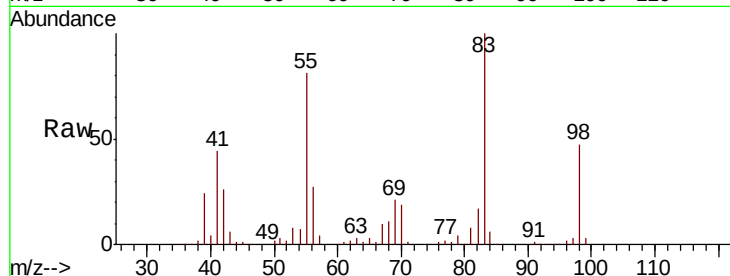




#39
Methylcyclohexane
Concen: 18.913 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

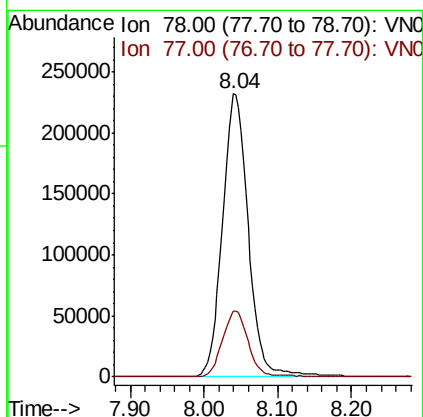
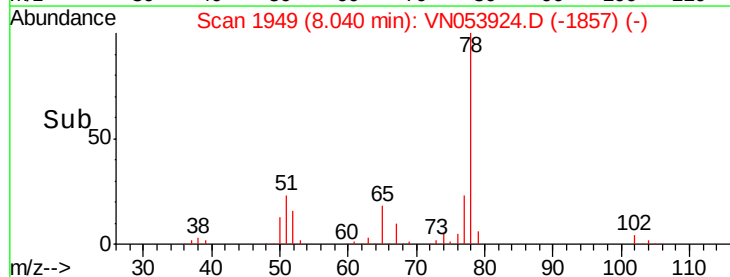
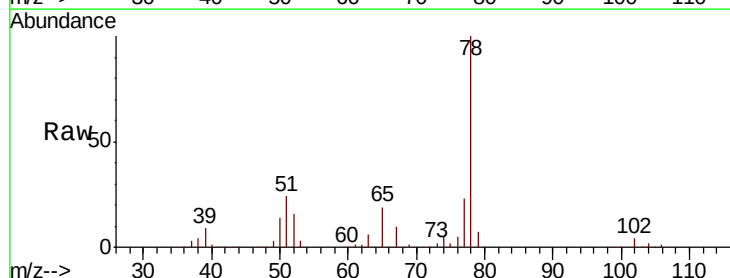
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

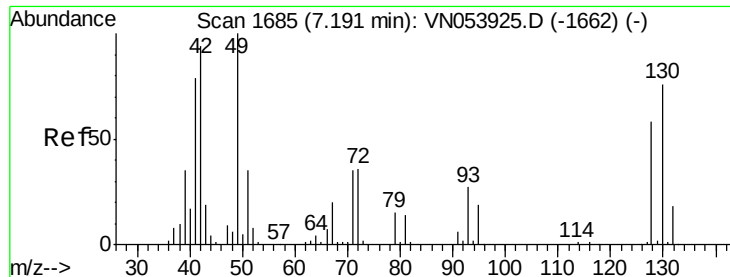
Tgt Ion: 83 Resp: 213181
Ion Ratio Lower Upper
83 100
55 80.7 58.2 87.4
98 47.4 37.2 55.8



#40
Benzene
Concen: 19.709 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion: 78 Resp: 566213
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

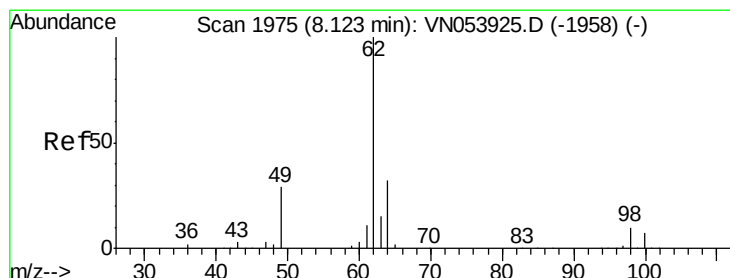
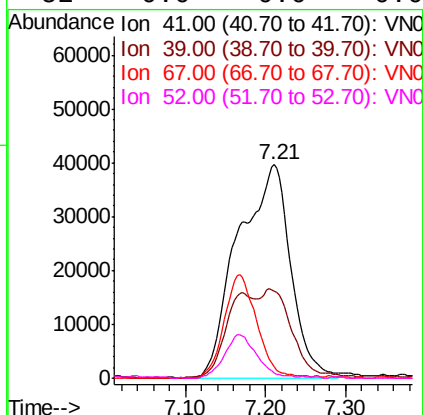
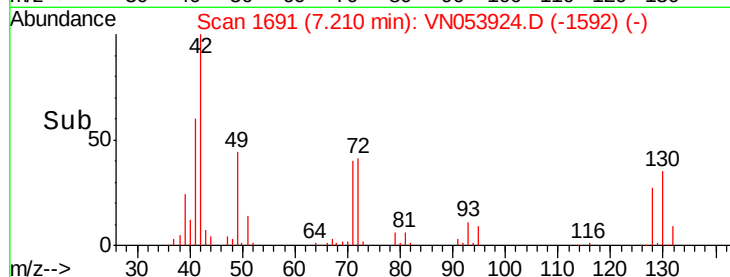
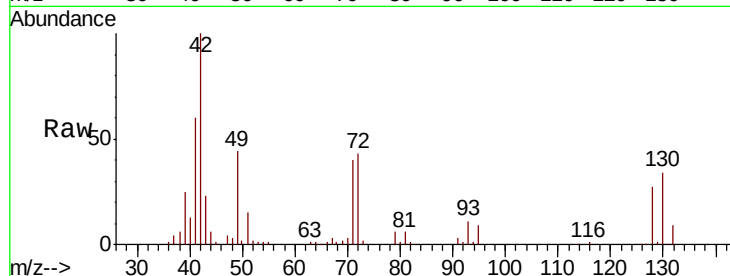




#41
Methacrylonitrile
Concen: 41.598 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.02 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

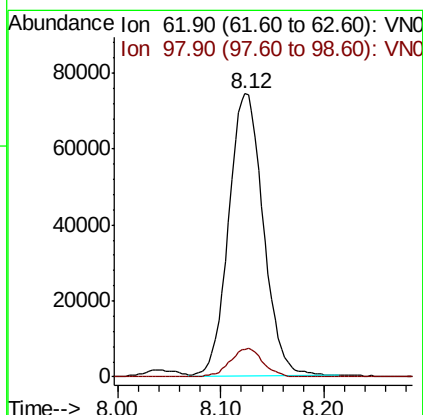
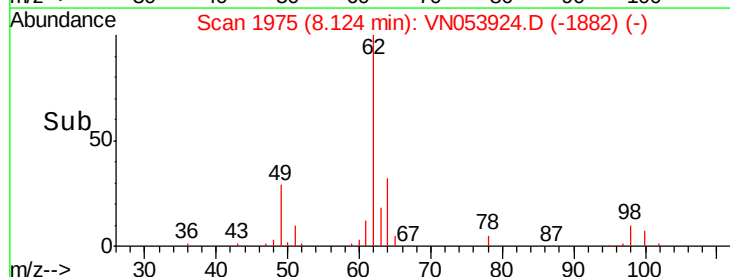
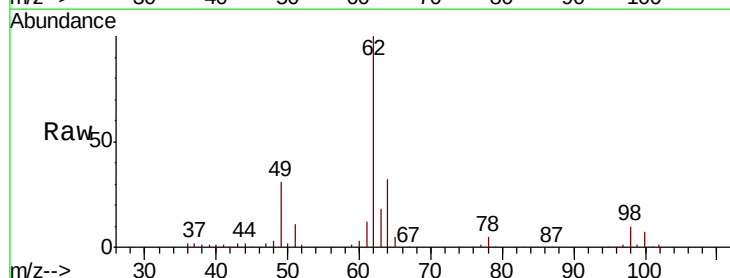
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

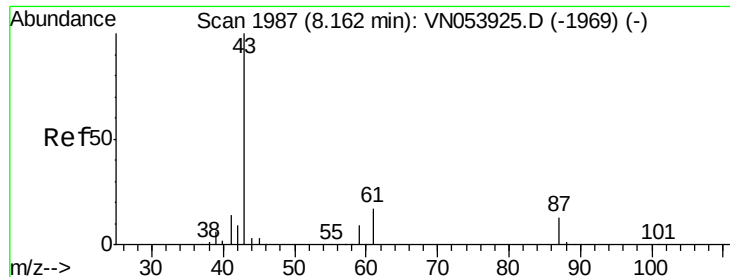
Tgt Ion:	41	Resp:	178862
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.544 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion:	62	Resp:	173835
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.8





#43

Isopropyl Acetate

Concen: 18.940 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

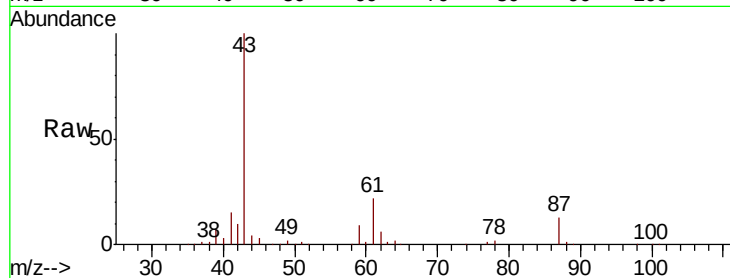
Tgt Ion: 43 Resp: 213537

Ion Ratio Lower Upper

43 100

61 28.3 17.4 26.0#

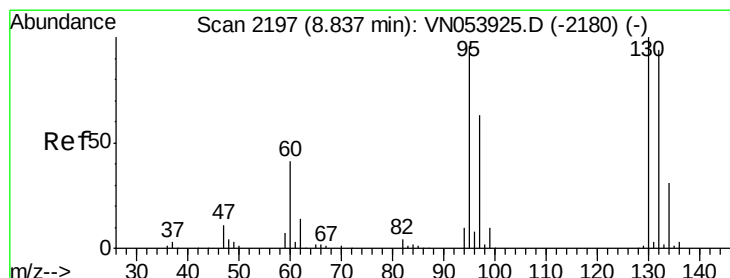
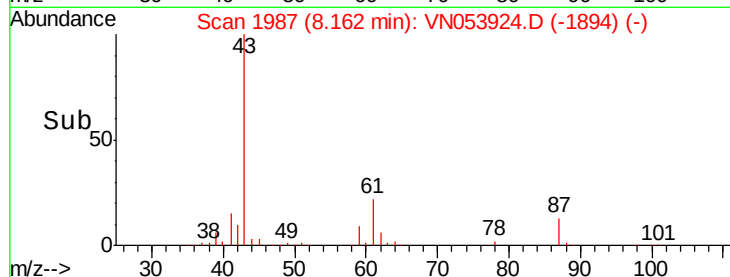
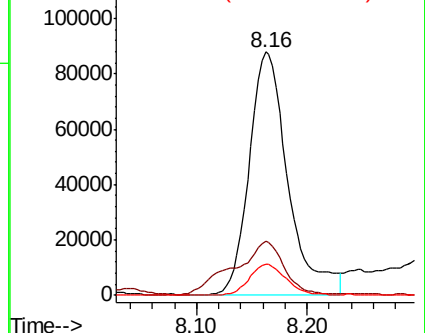
87 12.2 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053924.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053924.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053924.D (-1969) (-)



#44

Trichloroethene

Concen: 19.335 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053924.D

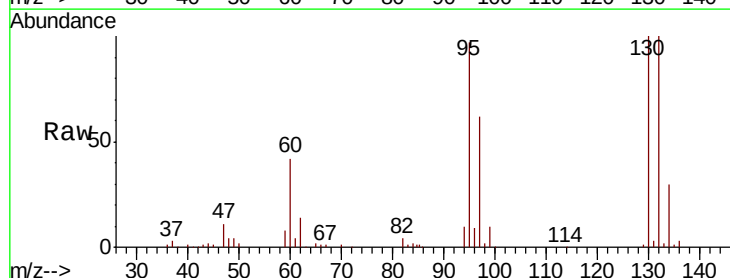
Acq: 25 Feb 2019 12:36

Tgt Ion: 130 Resp: 147263

Ion Ratio Lower Upper

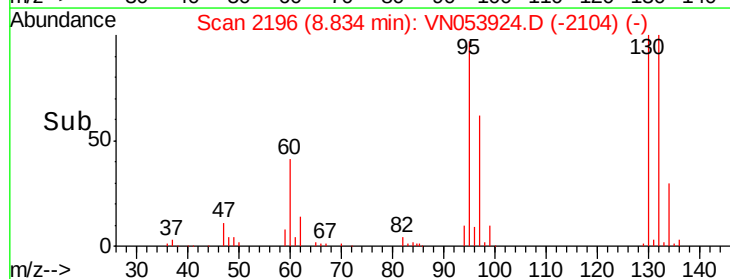
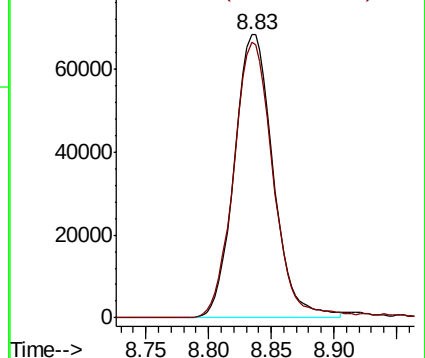
130 100

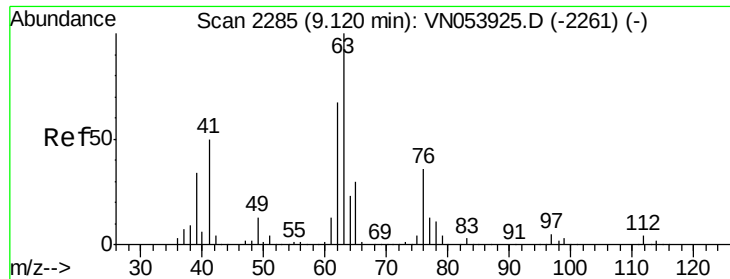
95 97.2 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053924.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN053924.D (-2180) (-)

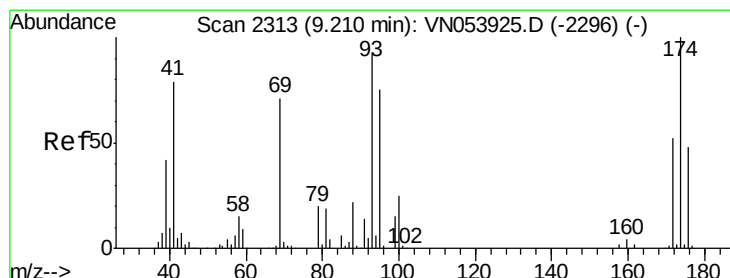
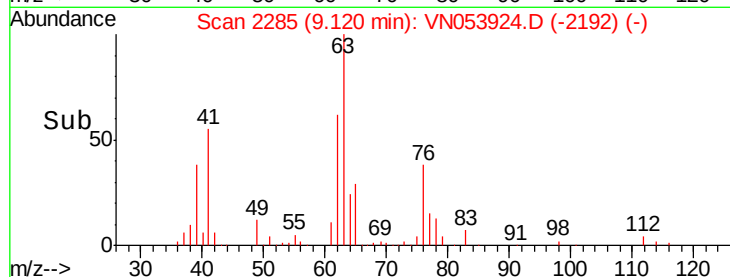
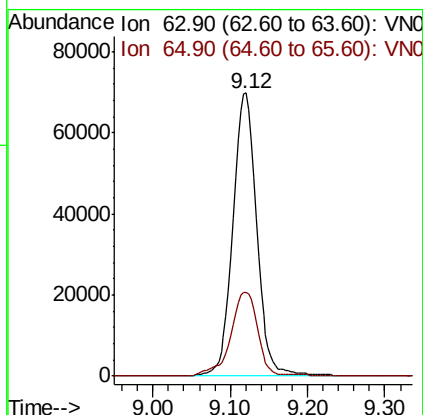
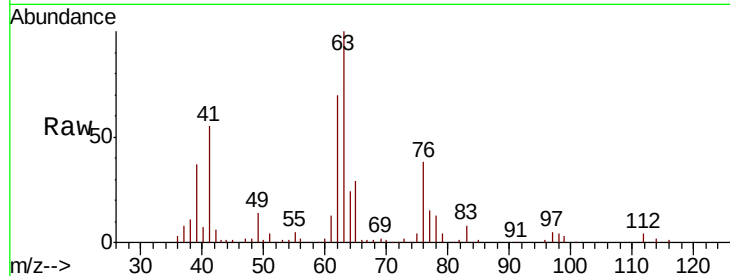




#45
 1,2-Dichloropropane
 Concen: 19.188 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

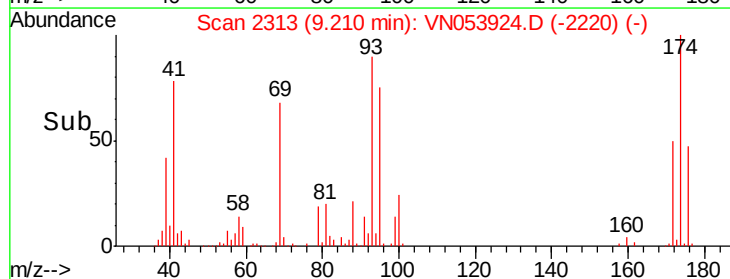
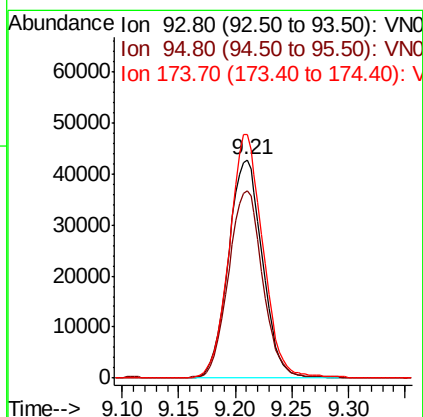
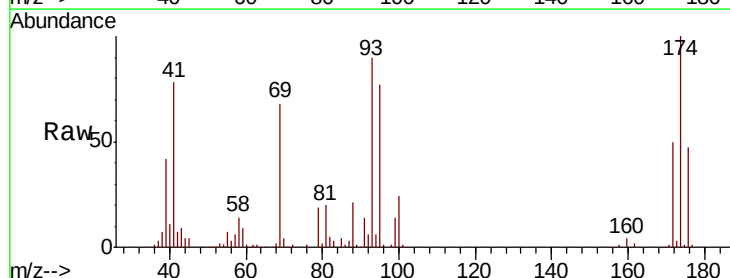
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

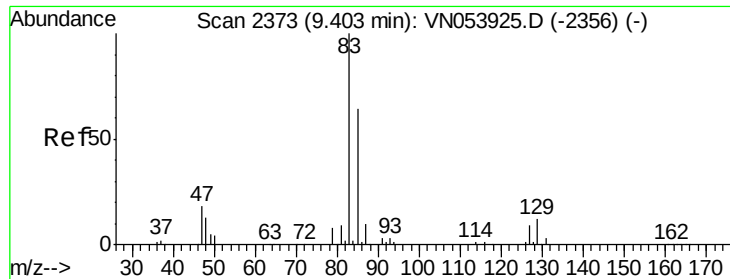
Tgt Ion: 63 Resp: 148725
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.3 36.5



#46
 Dibromomethane
 Concen: 19.962 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion: 93 Resp: 89828
 Ion Ratio Lower Upper
 93 100
 95 86.0 66.6 100.0
 174 110.1 96.2 144.4

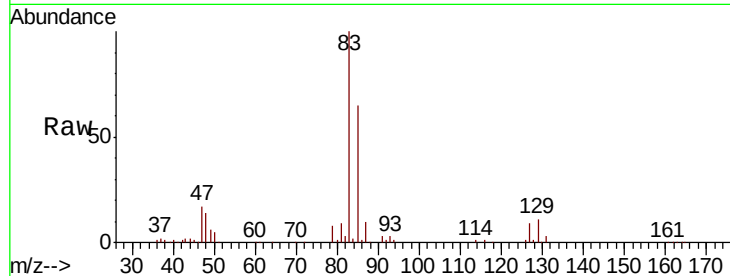




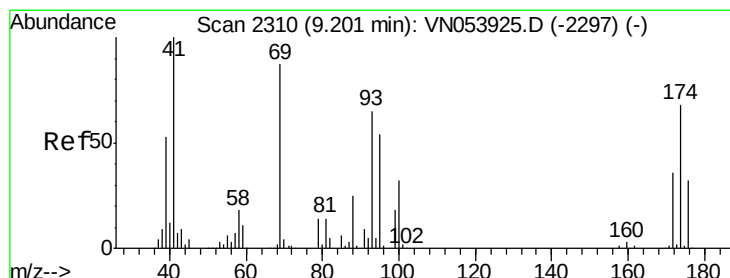
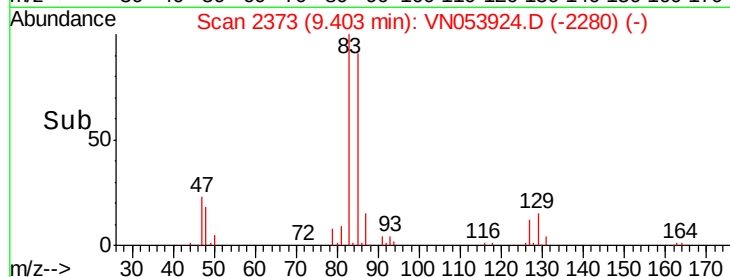
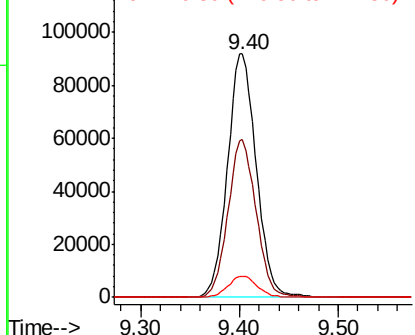
#47
Bromodichloromethane
Concen: 19.702 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 186840
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6
127 8.8 7.4 11.0

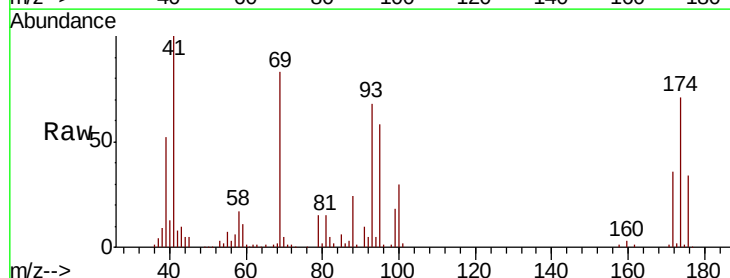


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

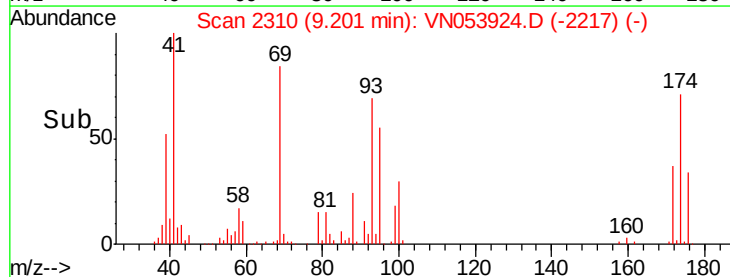
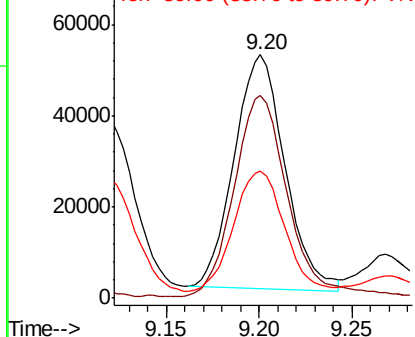


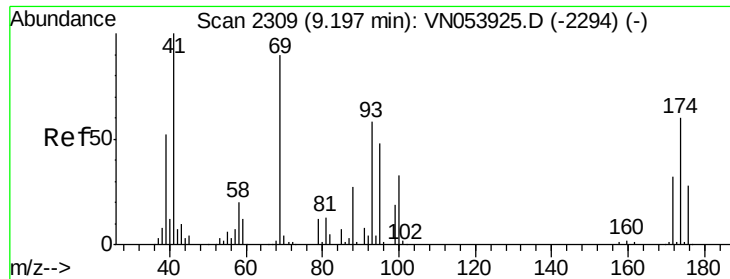
#48
Methyl methacrylate
Concen: 18.778 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion: 41 Resp: 97384
Ion Ratio Lower Upper
41 100
69 93.2 74.8 112.2
39 57.0 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

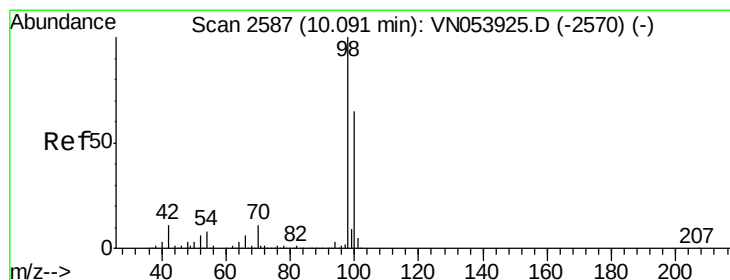
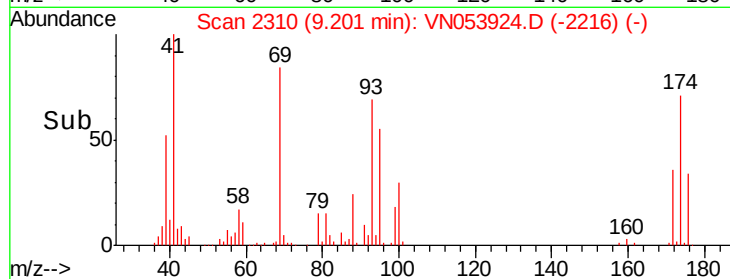
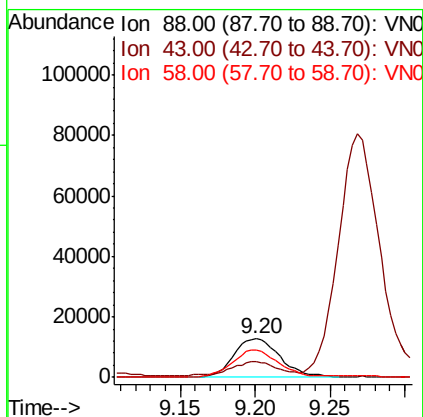
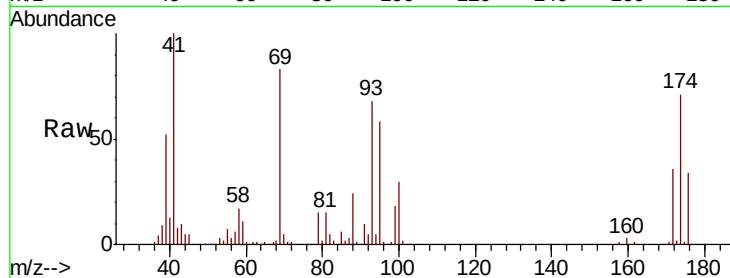




#49
 1,4-Dioxane
 Concen: 395.998 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

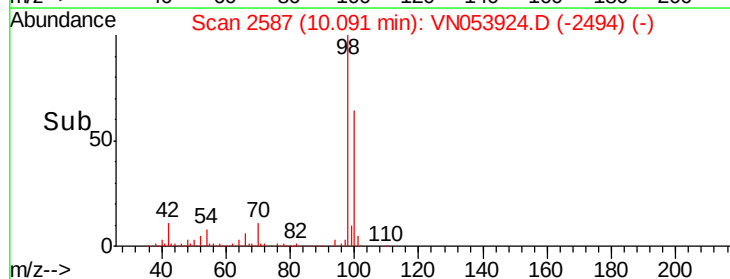
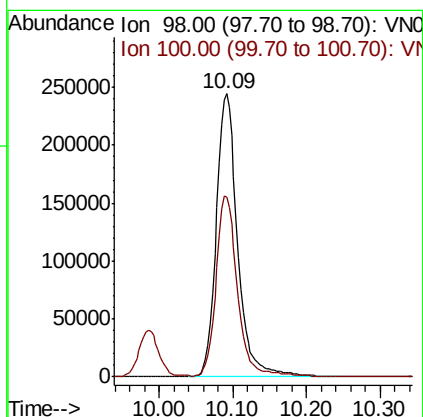
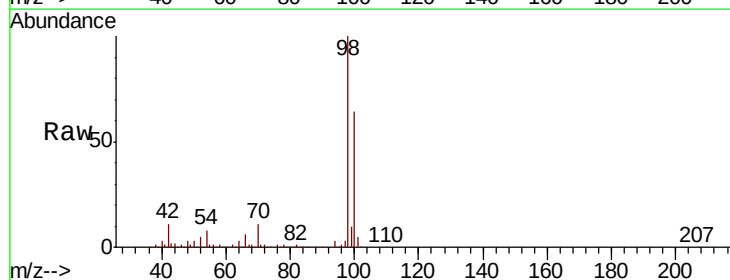
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

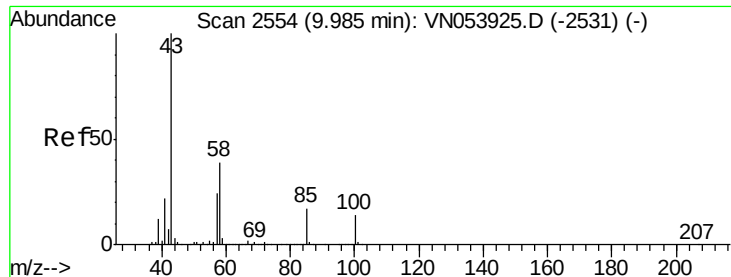
Tgt Ion: 88 Resp: 27815
 Ion Ratio Lower Upper
 88 100
 43 34.3 21.2 31.8#
 58 69.8 54.2 81.2



#50
 Toluene-d8
 Concen: 20.256 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion: 98 Resp: 490336
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.9 77.9

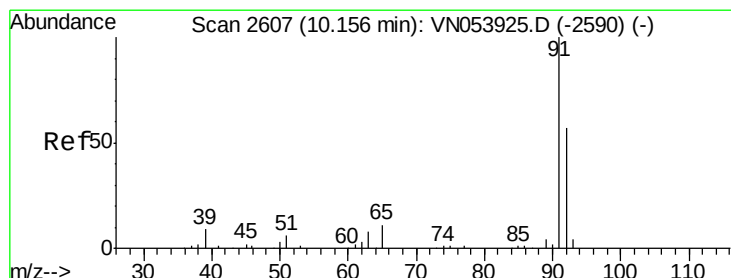
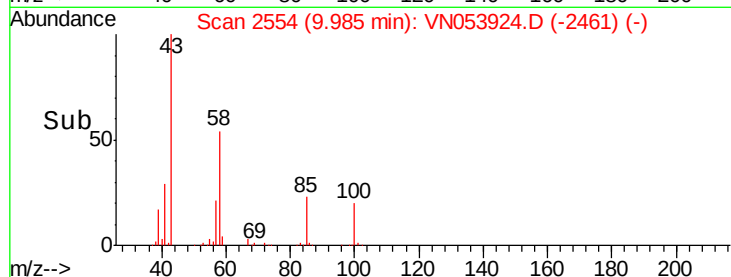
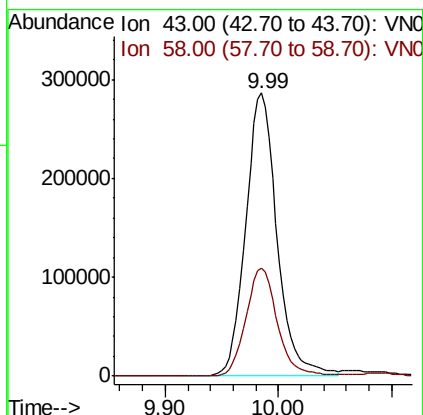
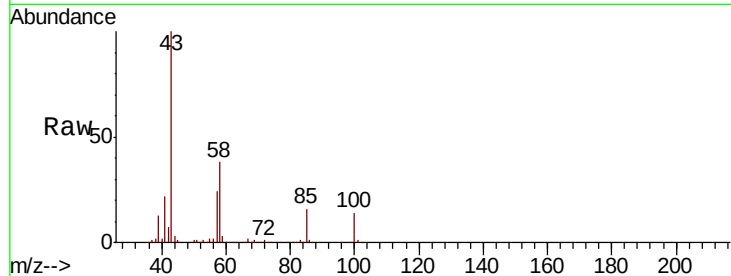




#51
 4-Methyl-2-Pentanone
 Concen: 94.766 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

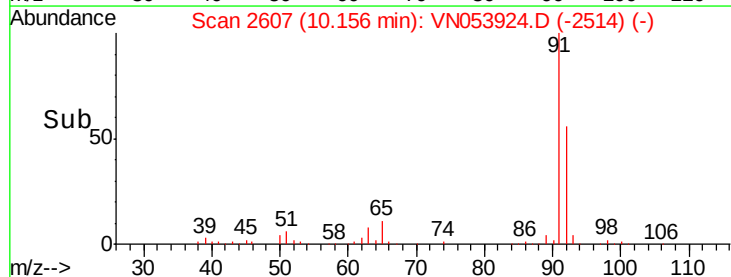
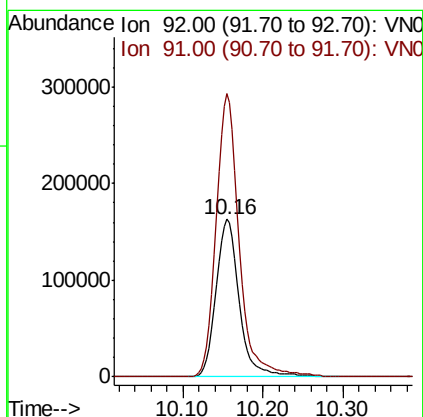
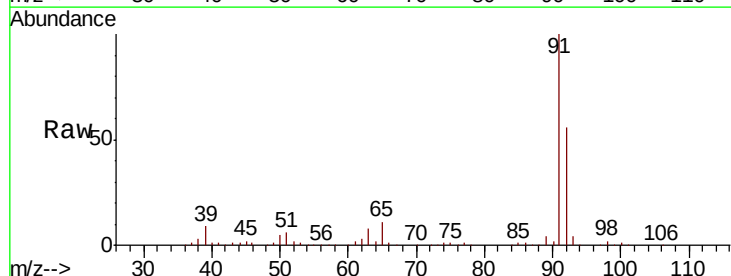
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

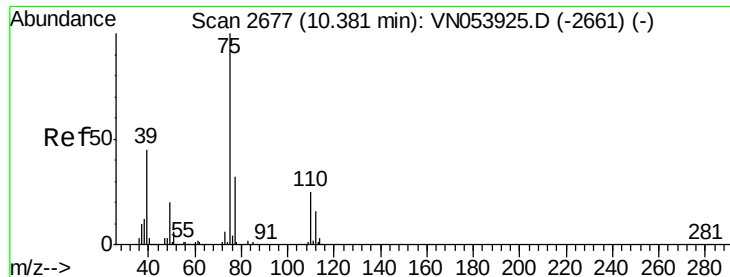
Tgt Ion: 43 Resp: 549037
 Ion Ratio Lower Upper
 43 100
 58 38.7 32.7 49.1



#52
 Toluene
 Concen: 19.546 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion: 92 Resp: 330651
 Ion Ratio Lower Upper
 92 100
 91 177.8 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 18.964 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

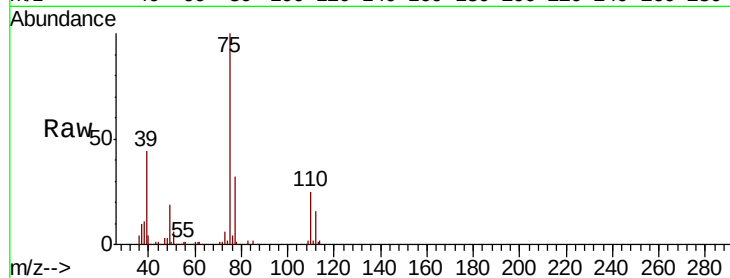
VSTDIC020

Tgt Ion: 75 Resp: 174986

Ion Ratio Lower Upper

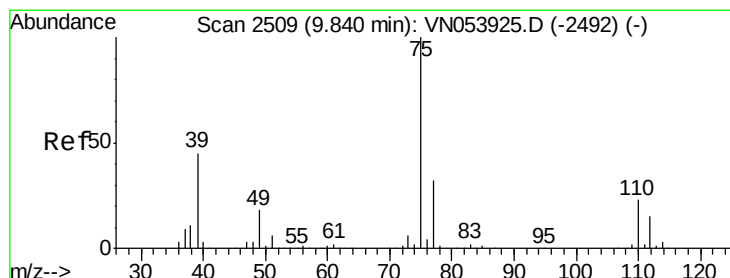
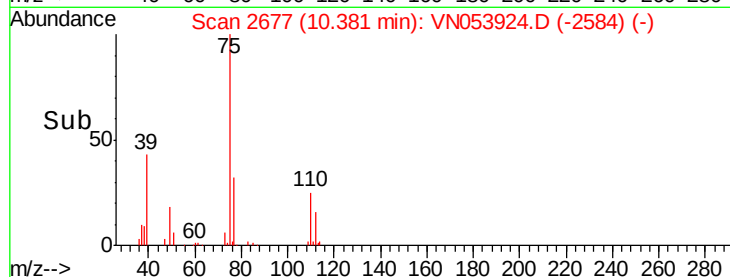
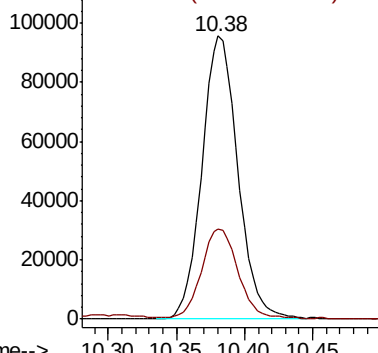
75 100

77 31.7 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.593 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

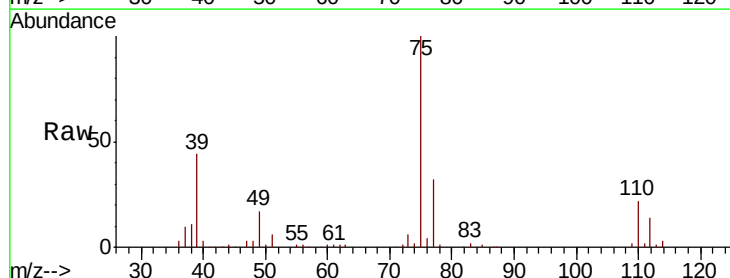
Tgt Ion: 75 Resp: 213129

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

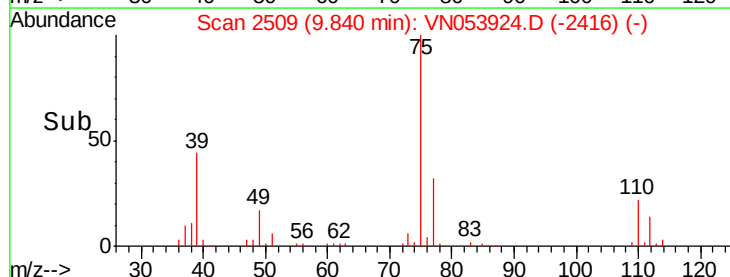
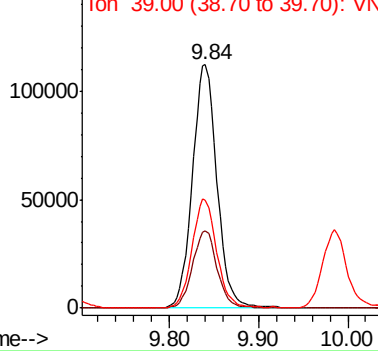
39 44.3 31.4 47.0

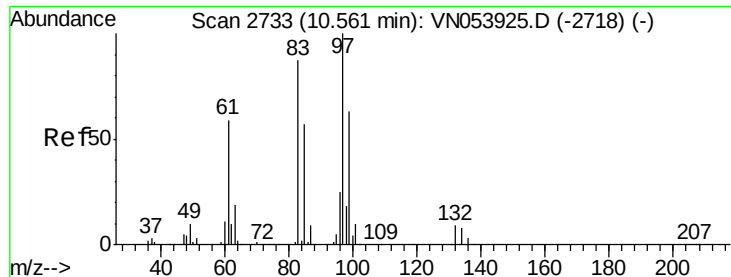


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.092 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 97 Resp: 126933

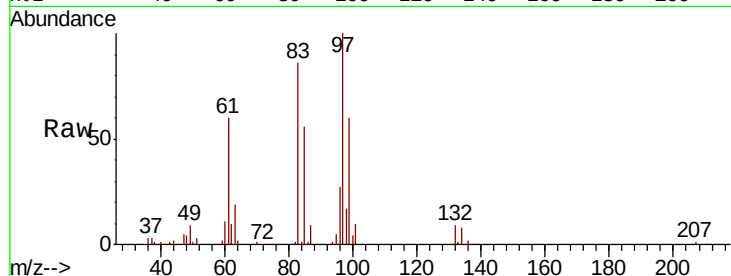
Ion Ratio Lower Upper

97 100

83 85.9 69.5 104.3

85 56.1 45.9 68.9

99 60.4 49.1 73.7

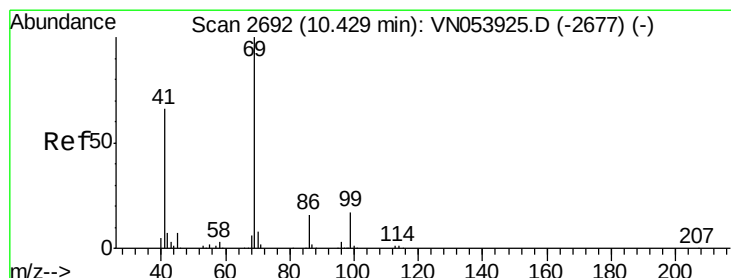
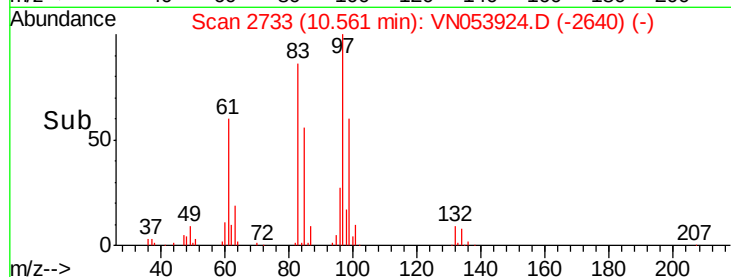
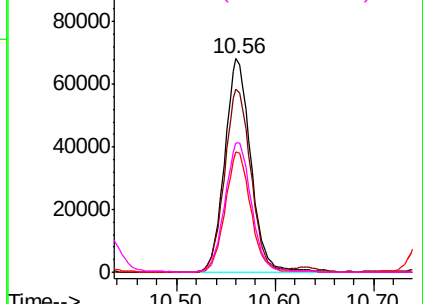


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.213 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

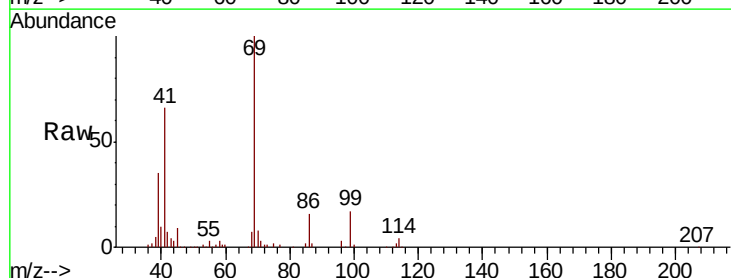
Tgt Ion: 69 Resp: 140158

Ion Ratio Lower Upper

69 100

41 63.6 47.5 71.3

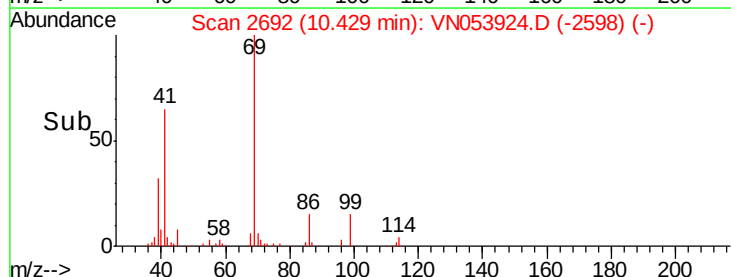
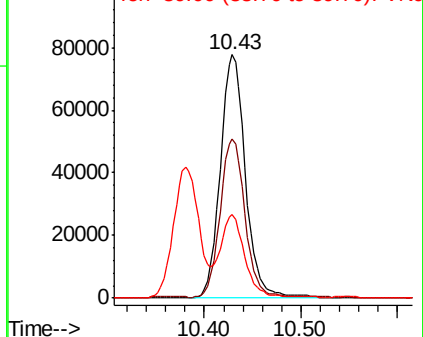
39 33.0 23.4 35.0

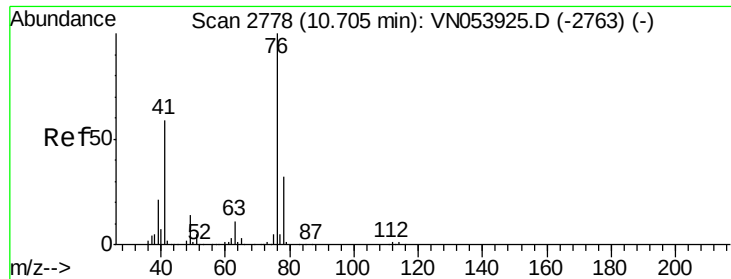


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.744 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

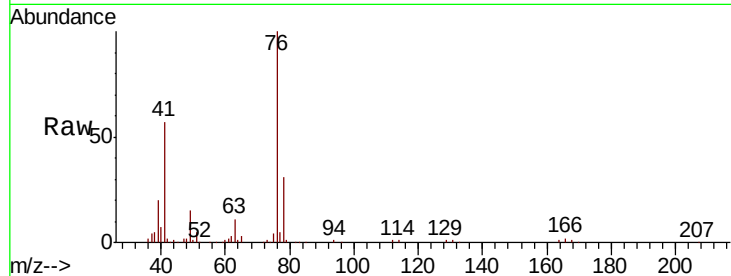
VSTDIC020

Tgt Ion: 76 Resp: 210759

Ion Ratio Lower Upper

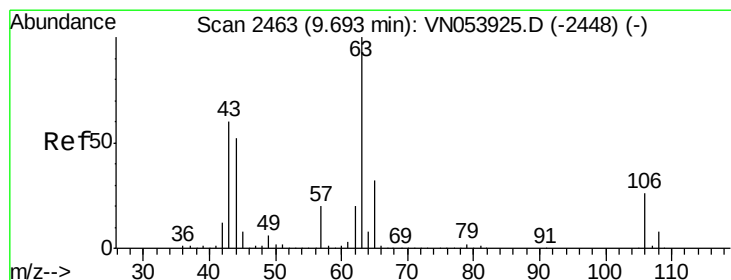
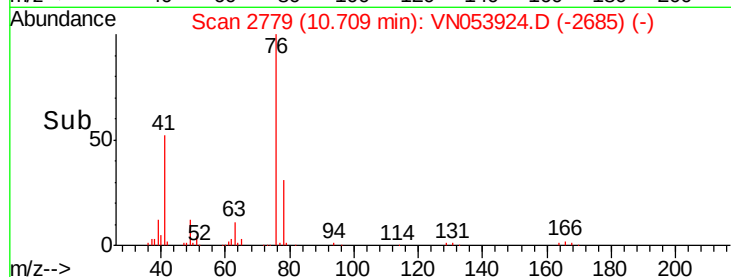
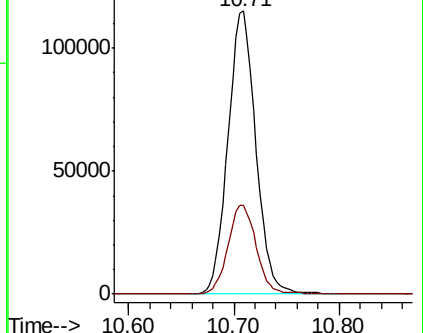
76 100

78 31.8 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: 93.455 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053924.D

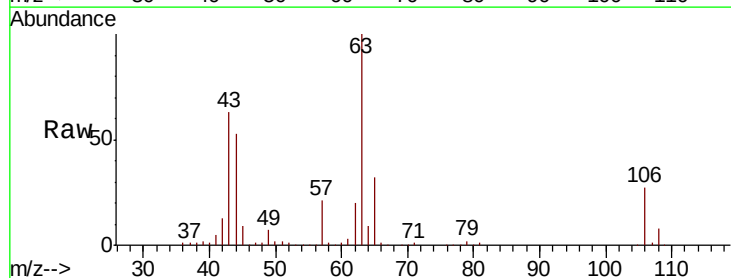
Acq: 25 Feb 2019 12:36

Tgt Ion: 63 Resp: 325647

Ion Ratio Lower Upper

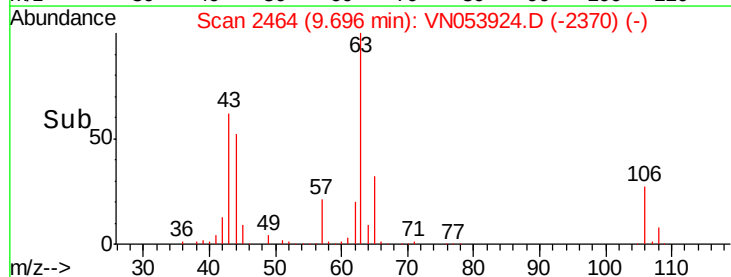
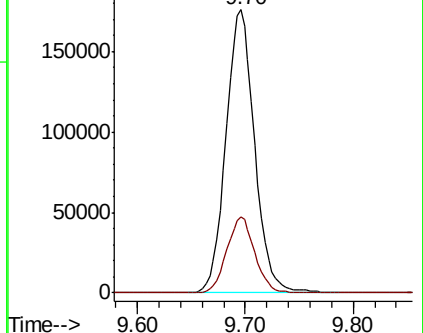
63 100

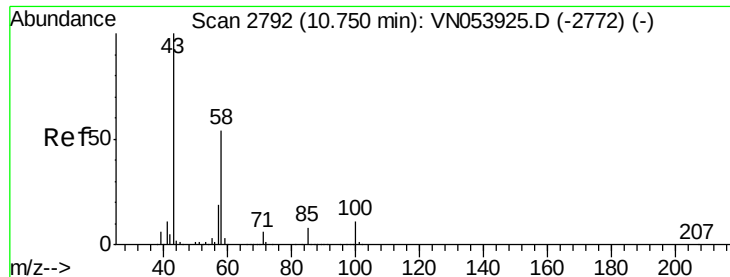
106 26.2 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

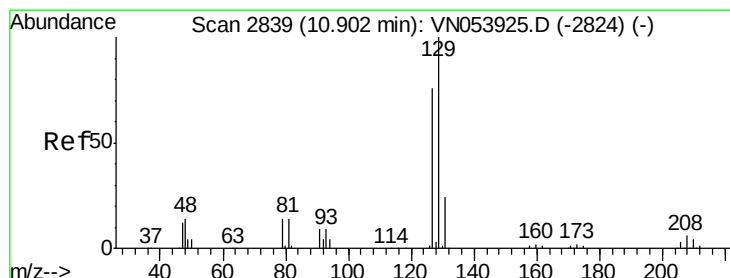
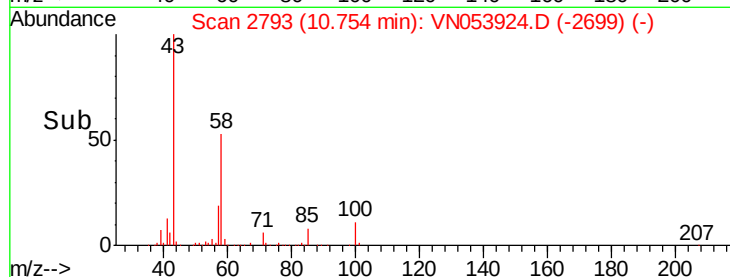
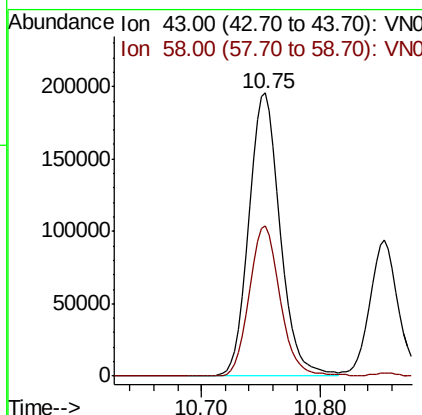
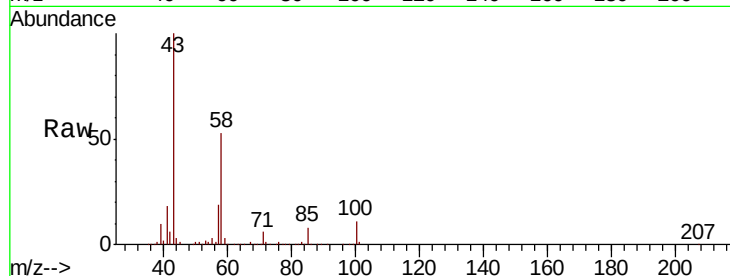




#59
2-Hexanone
Concen: 93.847 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

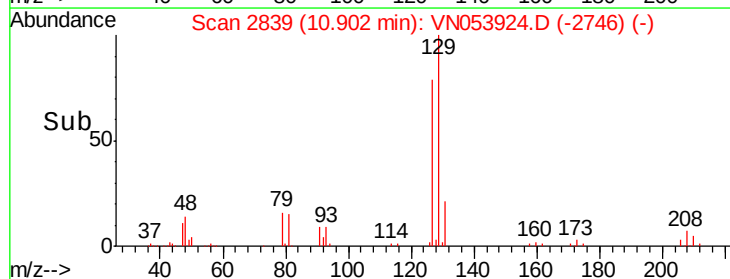
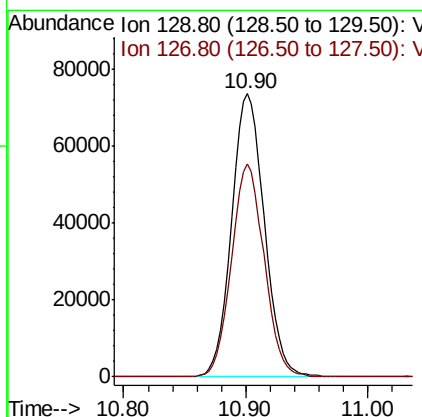
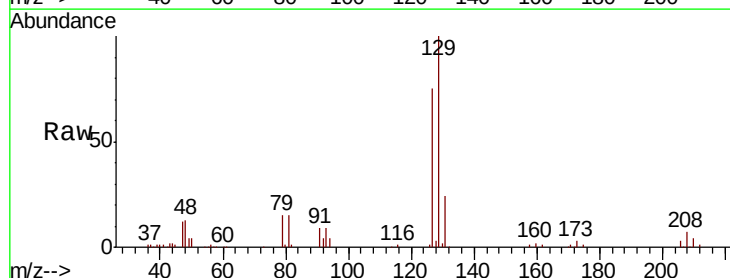
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

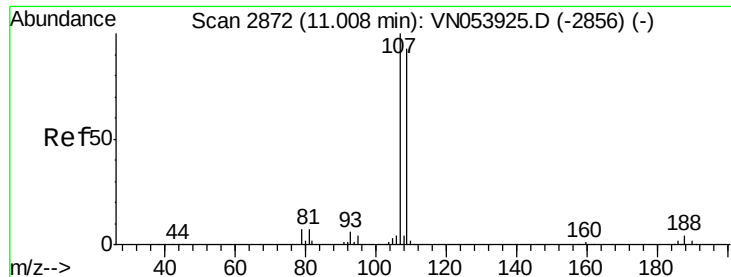
Tgt Ion: 43 Resp: 353621
Ion Ratio Lower Upper
43 100
58 53.0 29.1 87.4



#60
Dibromochloromethane
Concen: 19.520 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion: 129 Resp: 137055
Ion Ratio Lower Upper
129 100
127 74.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.203 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

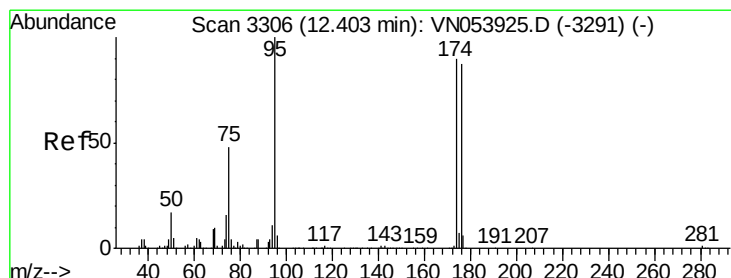
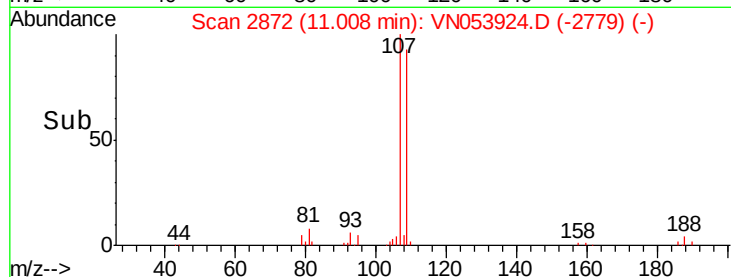
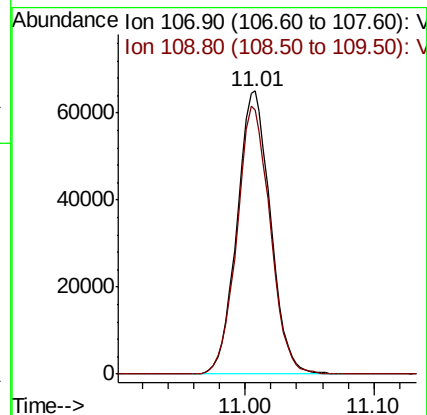
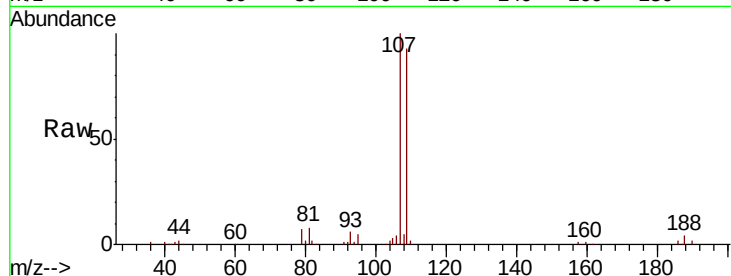
VSTDIC020

Tgt Ion: 107 Resp: 117032

Ion Ratio Lower Upper

107 100

109 94.0 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 19.312 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

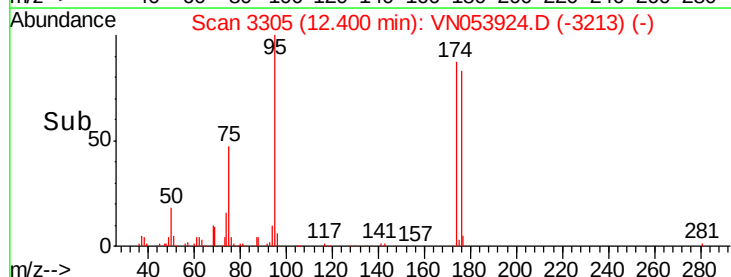
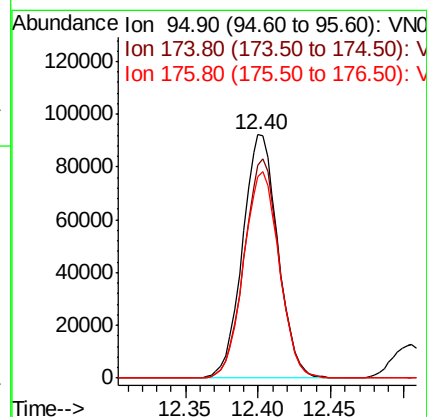
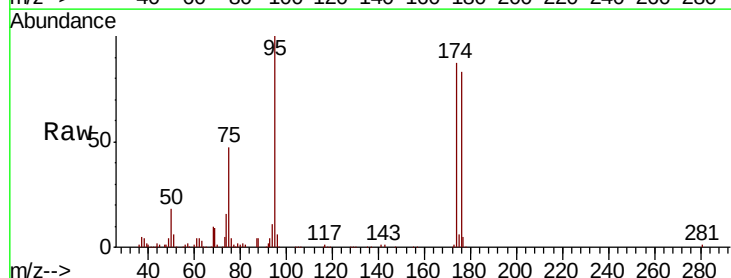
Tgt Ion: 95 Resp: 155754

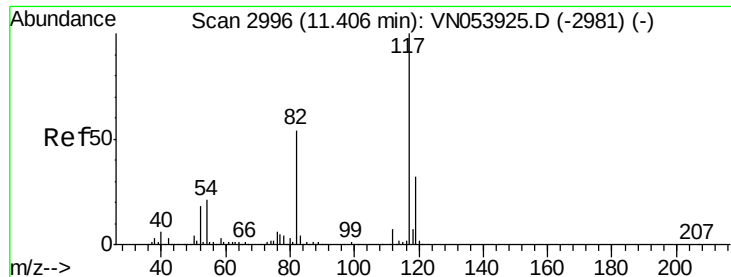
Ion Ratio Lower Upper

95 100

174 89.2 0.0 188.8

176 85.5 0.0 182.6

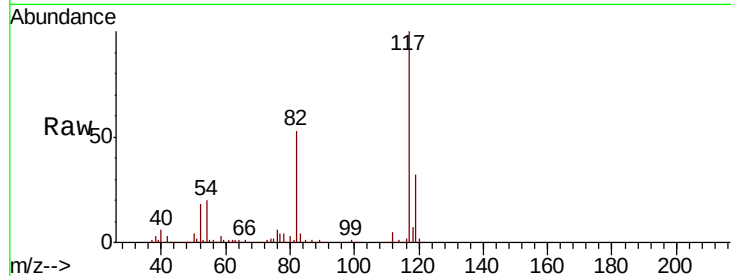




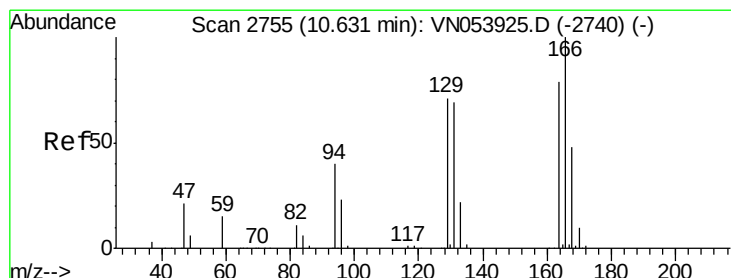
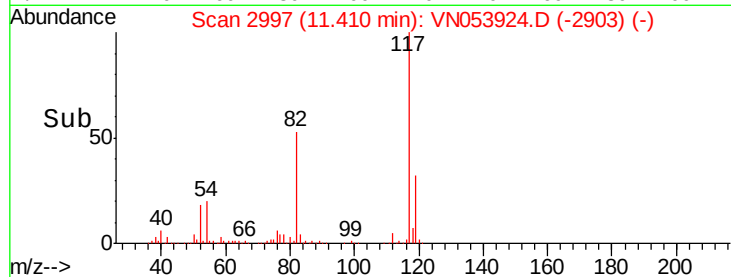
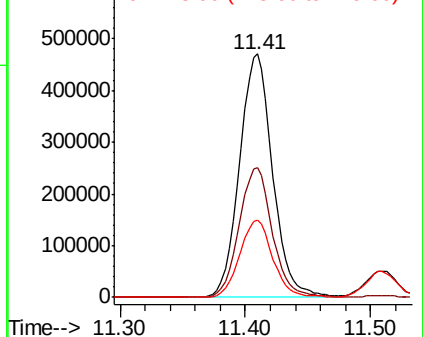
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 863320
Ion Ratio Lower Upper
117 100
82 53.3 41.4 62.2
119 31.8 25.3 37.9

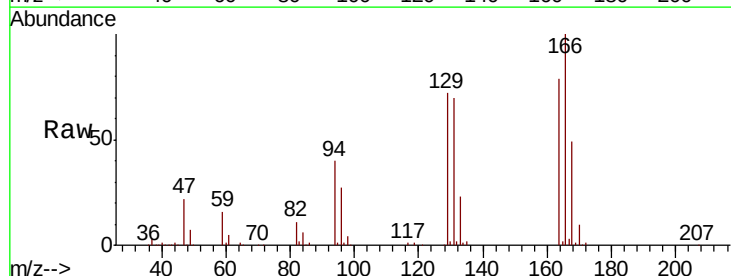


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

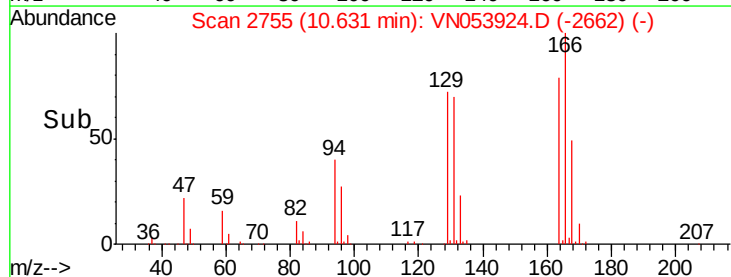
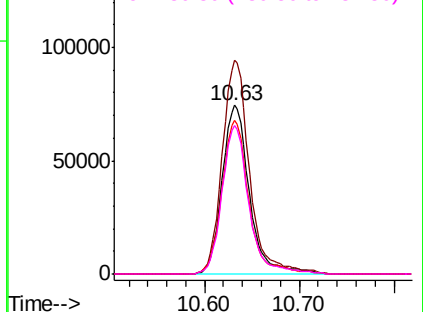


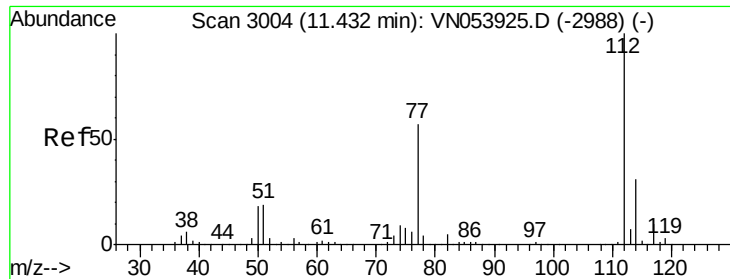
#64
Tetrachloroethene
Concen: 20.491 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion:164 Resp: 149801
Ion Ratio Lower Upper
164 100
166 126.6 102.6 153.8
129 91.3 69.4 104.0
131 88.1 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

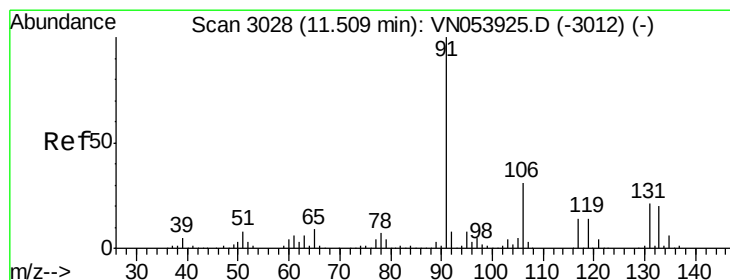
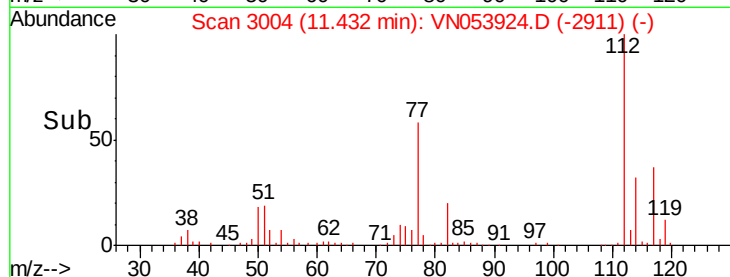
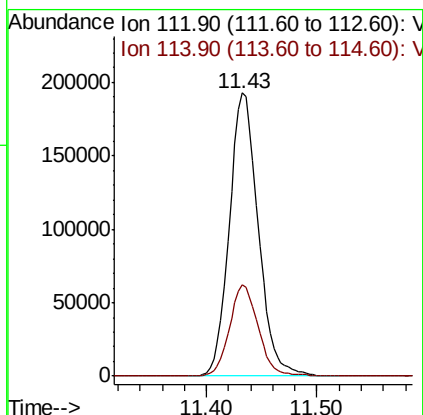
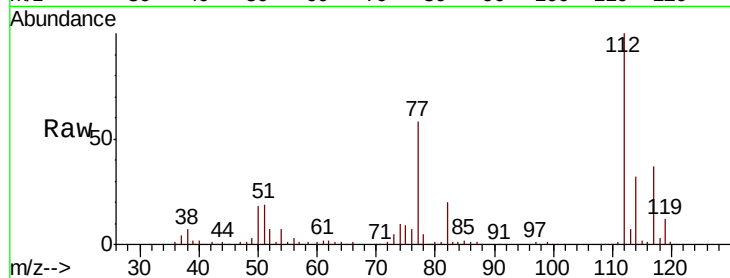




#65
Chlorobenzene
Concen: 19.258 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

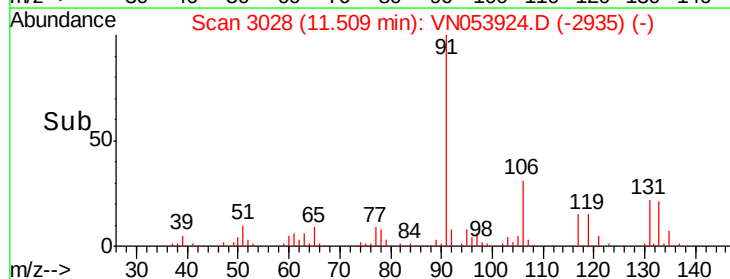
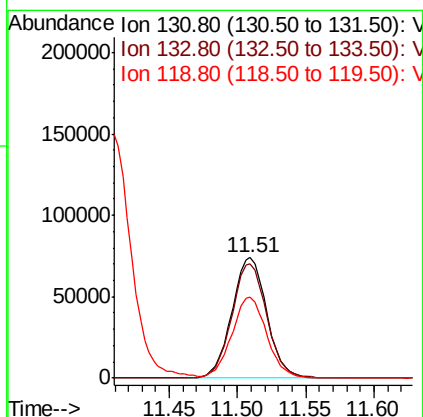
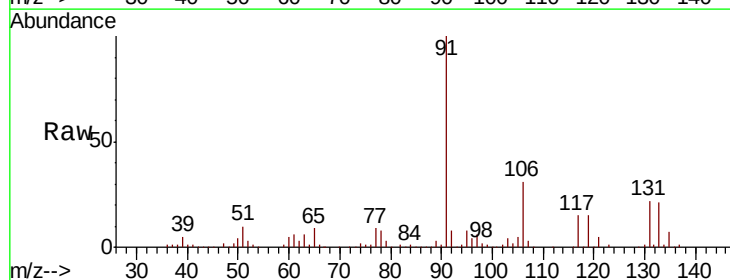
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

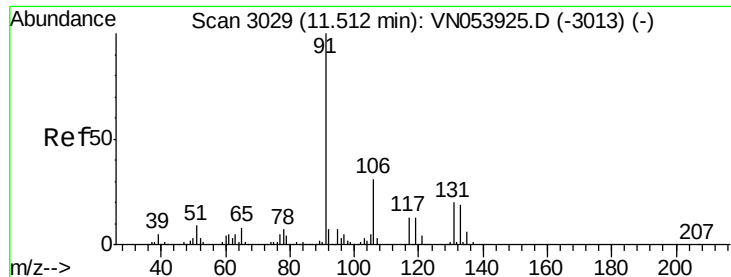
Tgt Ion:112 Resp: 350885
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.030 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion:131 Resp: 131530
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 67.5 33.1 99.3

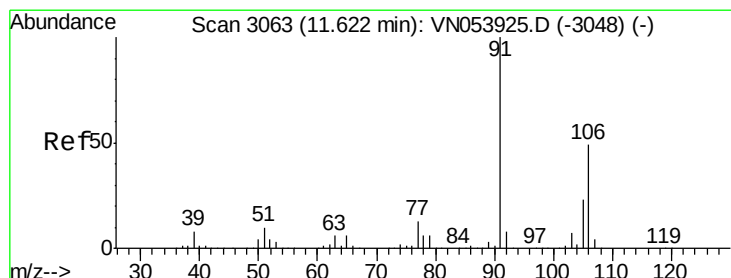
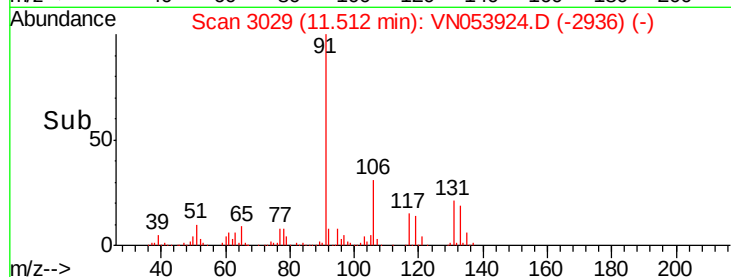
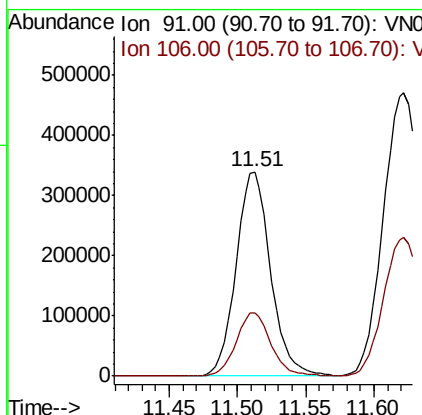
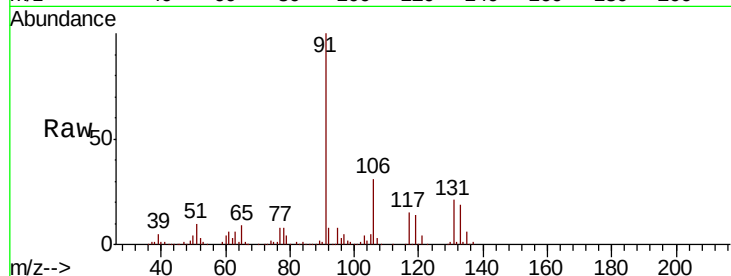




#67
Ethyl Benzene
Concen: 19.553 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

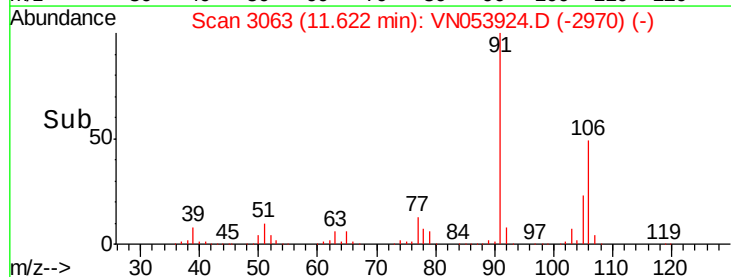
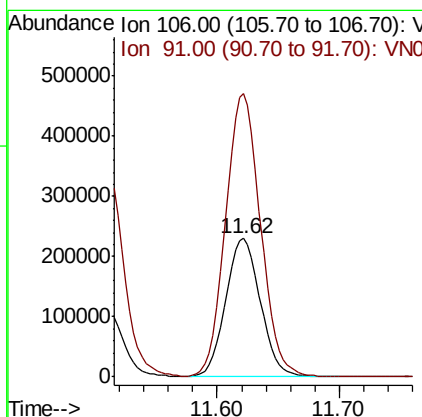
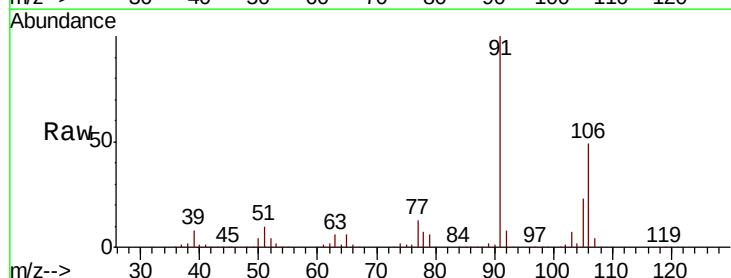
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

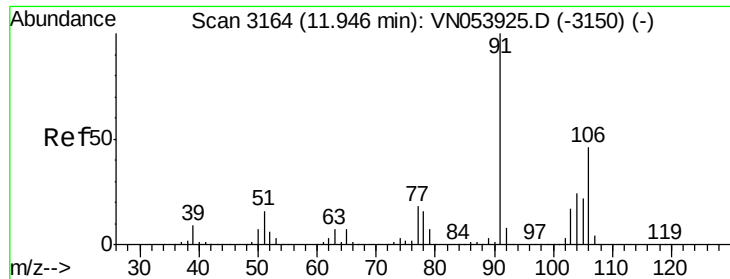
Tgt Ion: 91 Resp: 597251
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8



#68
m/p-Xylenes
Concen: 39.715 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion: 106 Resp: 457841
Ion Ratio Lower Upper
106 100
91 205.5 158.9 238.3

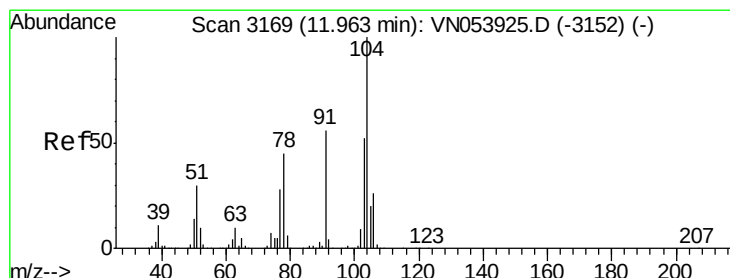
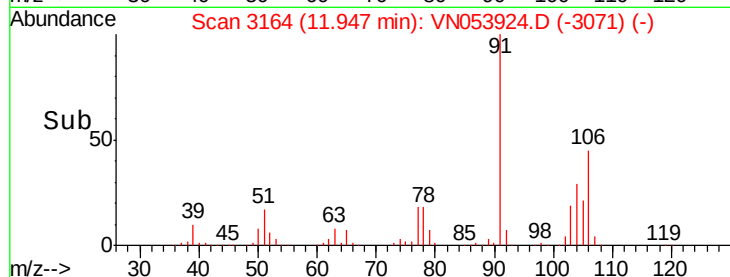
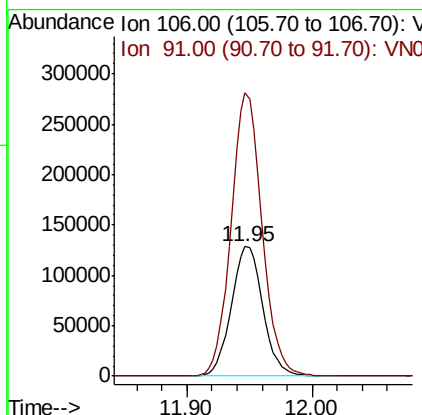
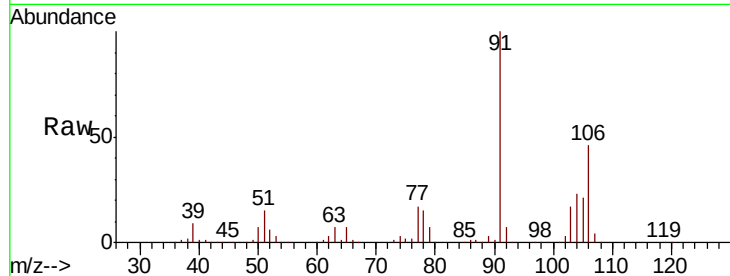




#69
o-Xylene
Concen: 19.788 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

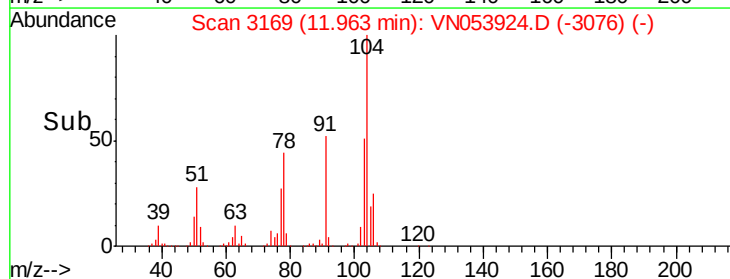
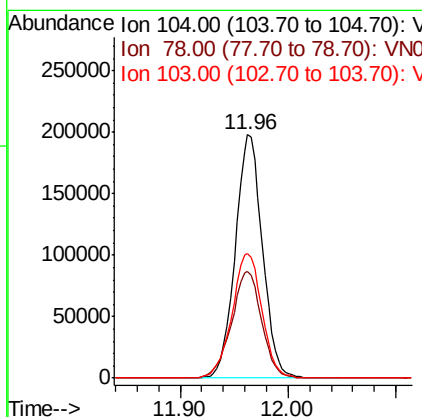
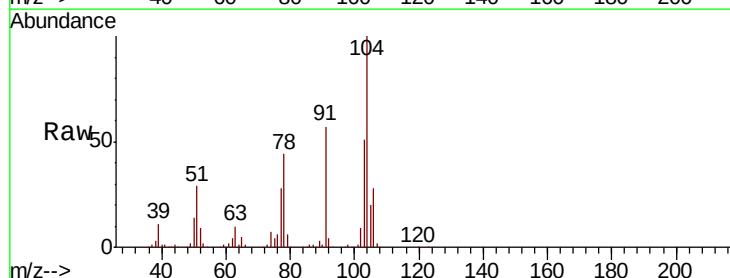
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

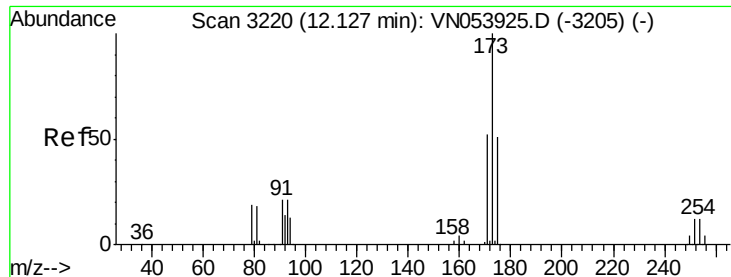
Tgt Ion:106 Resp: 224152
Ion Ratio Lower Upper
106 100
91 214.9 106.0 318.0



#70
Styrene
Concen: 19.929 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053924.D
Acq: 25 Feb 2019 12:36

Tgt Ion:104 Resp: 347220
Ion Ratio Lower Upper
104 100
78 48.7 38.1 57.1
103 56.3 44.6 67.0





#71

Bromoform

Concen: 19.753 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

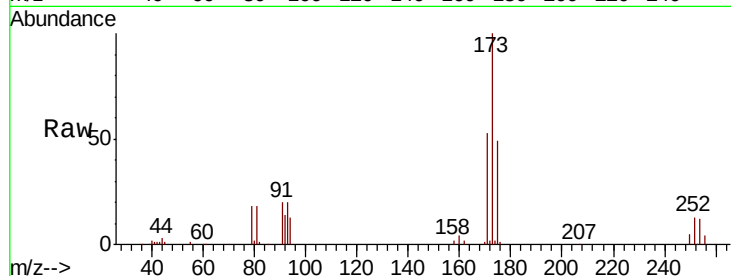
Tgt Ion:173 Resp: 90239

Ion Ratio Lower Upper

173 100

175 49.3 24.3 72.8

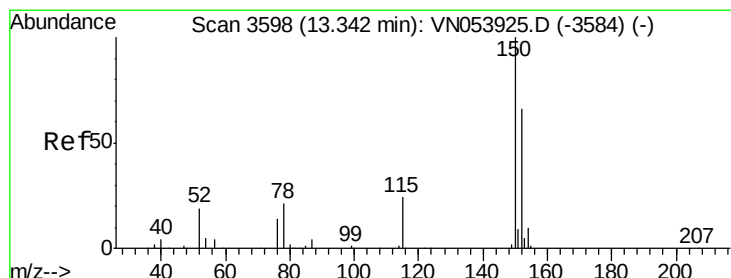
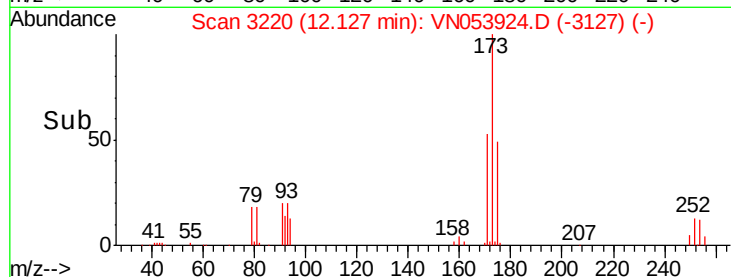
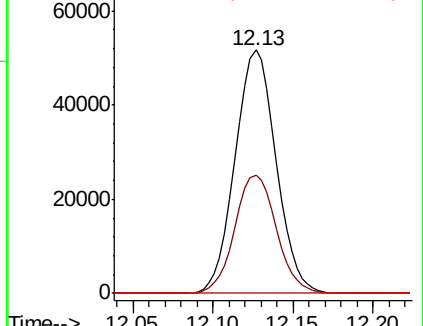
254 0.0 0.2 0.2#



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: VN053924.D

Acq: 25 Feb 2019 12:36

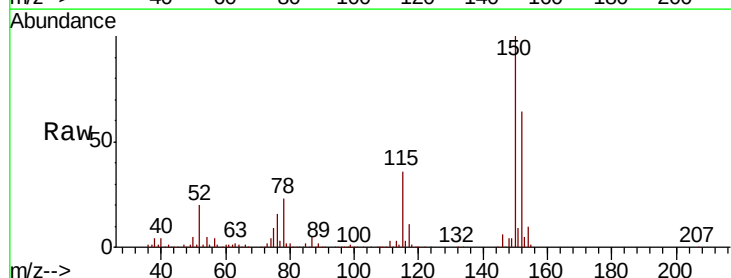
Tgt Ion:152 Resp: 381673

Ion Ratio Lower Upper

152 100

115 56.5 27.2 81.6

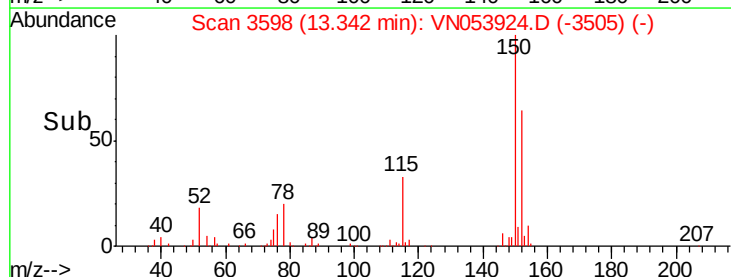
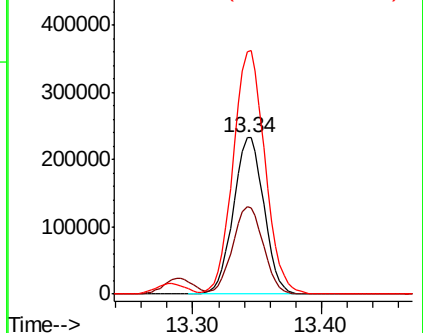
150 162.6 0.0 348.2

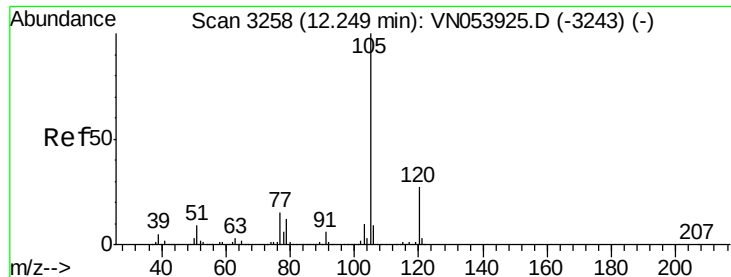


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.675 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

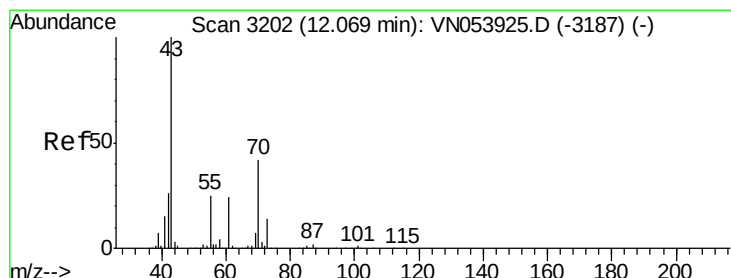
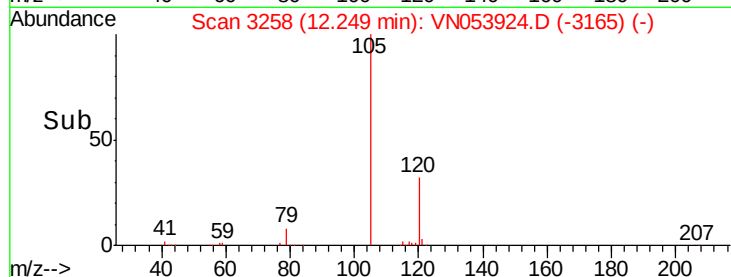
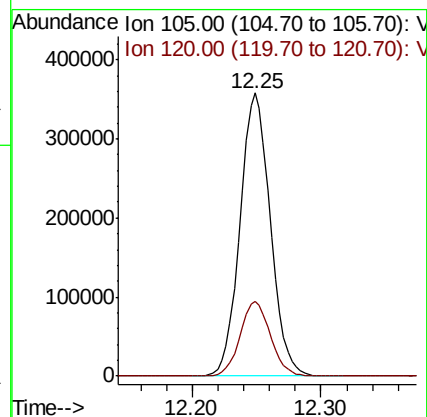
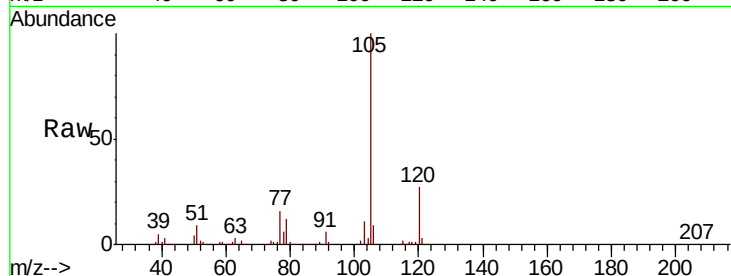
VSTDIC020

Tgt Ion: 105 Resp: 584555

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



#74

N-ethyl acetate

Concen: 18.936 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Tgt Ion: 43 Resp: 147458

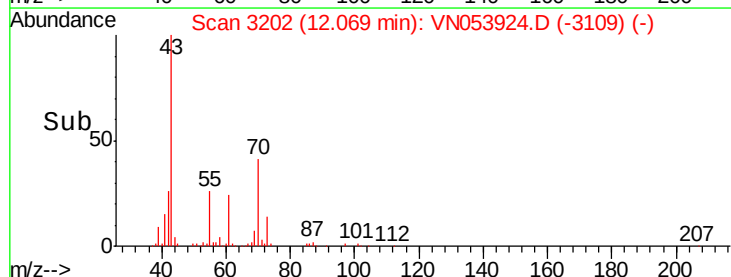
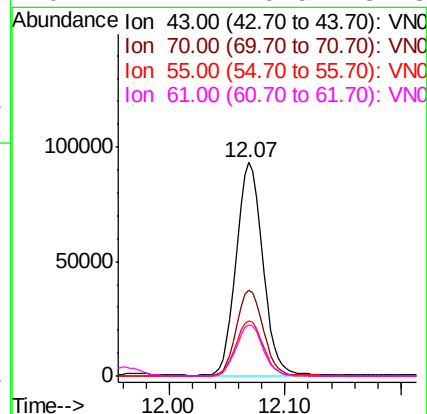
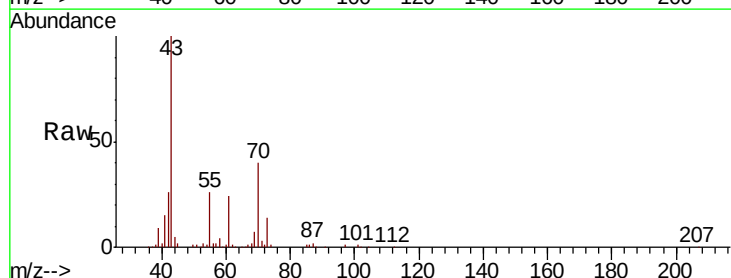
Ion Ratio Lower Upper

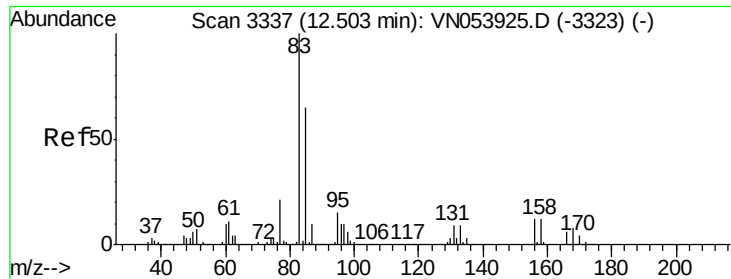
43 100

70 40.6 37.4 56.2

55 26.9 21.4 32.0

61 24.2 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.283 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

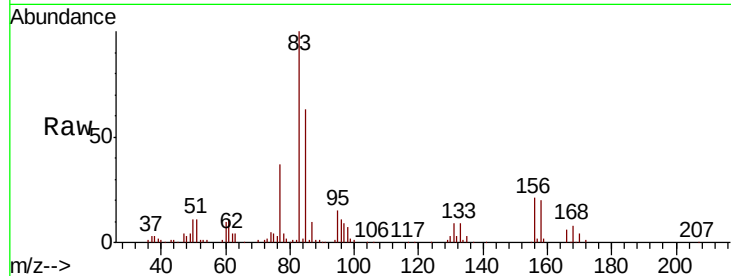
Tgt Ion: 83 Resp: 143266

Ion Ratio Lower Upper

83 100

131 10.2 5.3 16.1

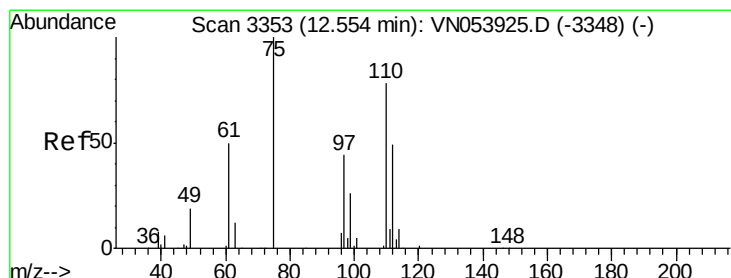
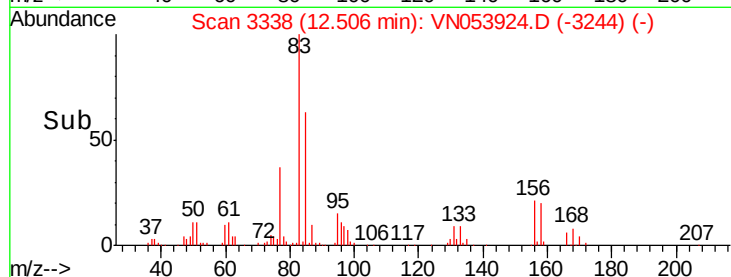
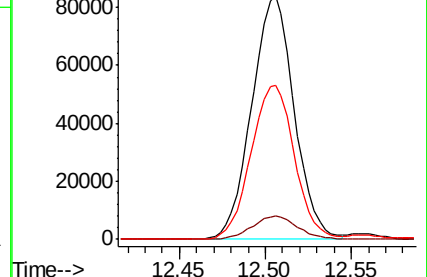
85 64.7 31.9 95.9



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: 28.353 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053924.D

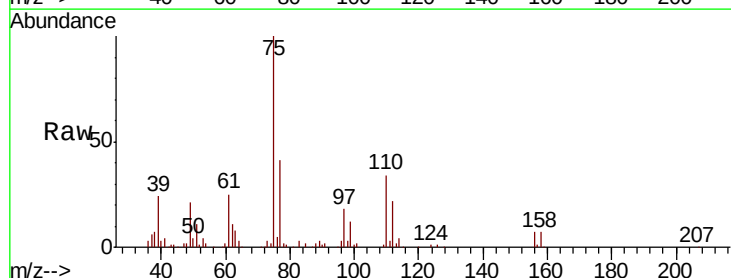
Acq: 25 Feb 2019 12:36

Tgt Ion: 75 Resp: 173596

Ion Ratio Lower Upper

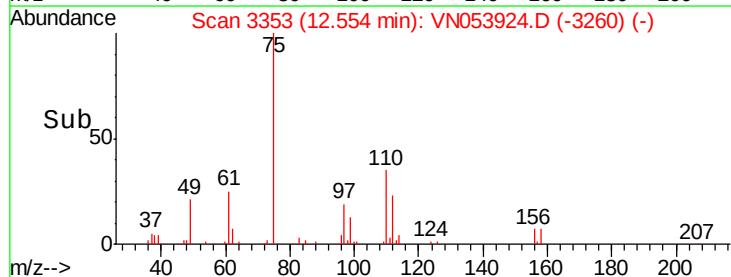
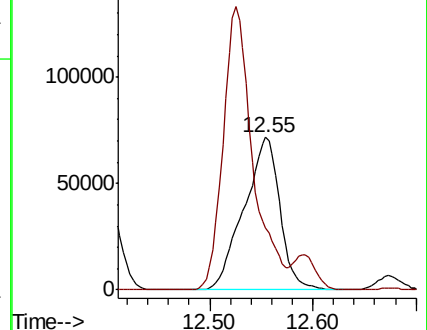
75 100

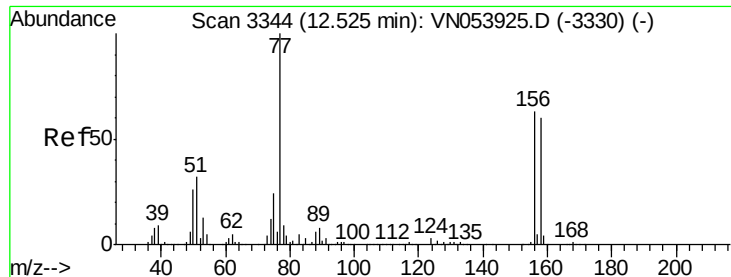
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.351 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

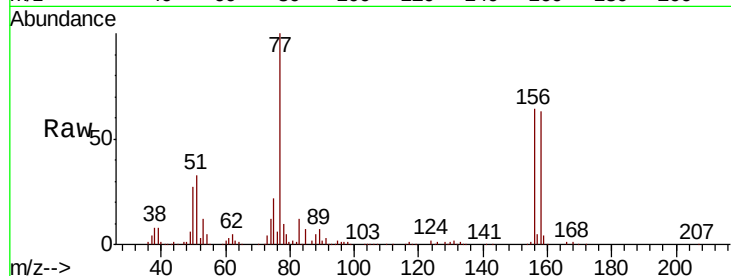
Tgt Ion:156 Resp: 145971

Ion Ratio Lower Upper

156 100

77 183.5 84.0 252.2

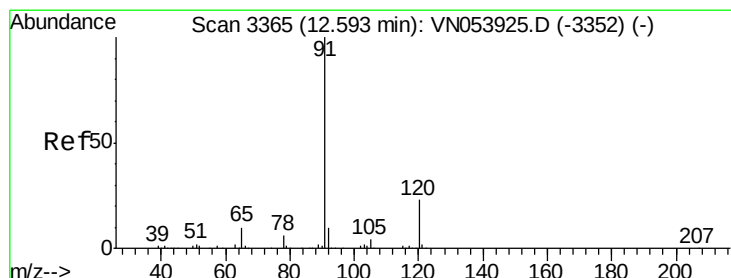
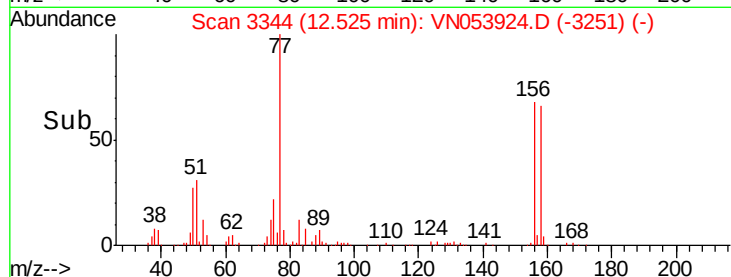
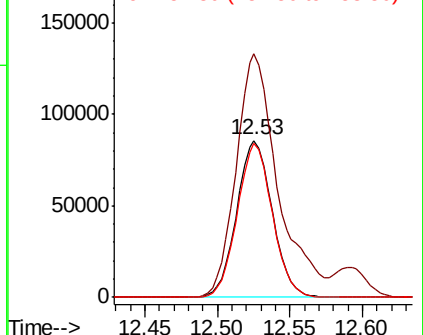
158 96.9 48.5 145.6



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: 19.717 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053924.D

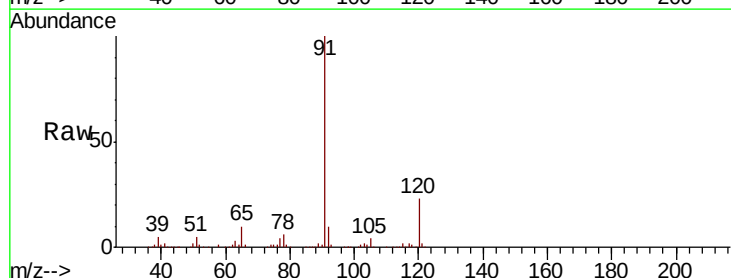
Acq: 25 Feb 2019 12:36

Tgt Ion: 91 Resp: 666227

Ion Ratio Lower Upper

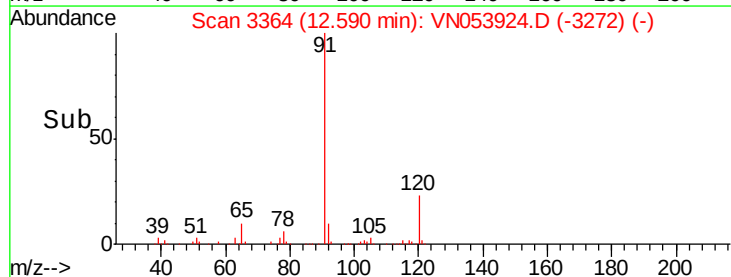
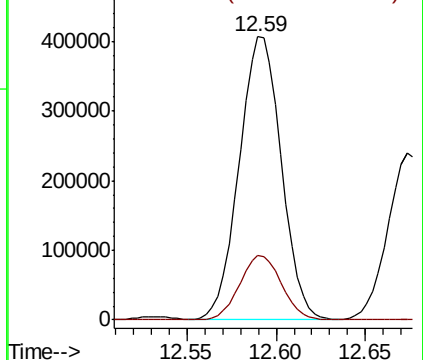
91 100

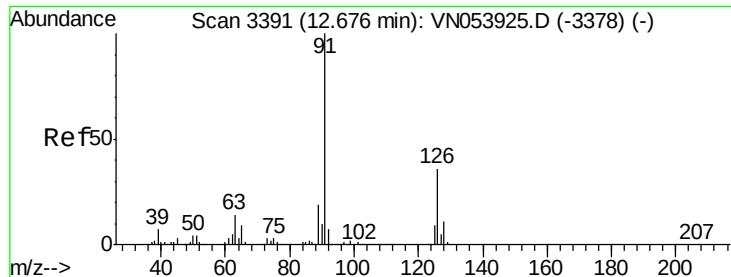
120 22.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.674 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

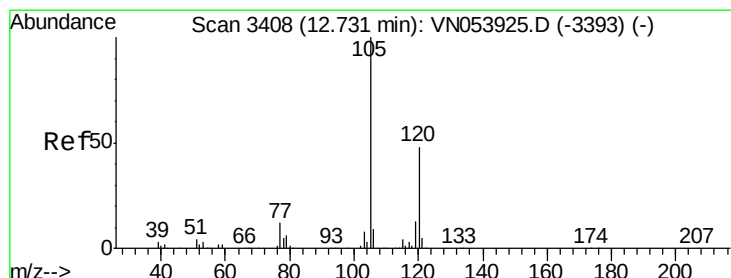
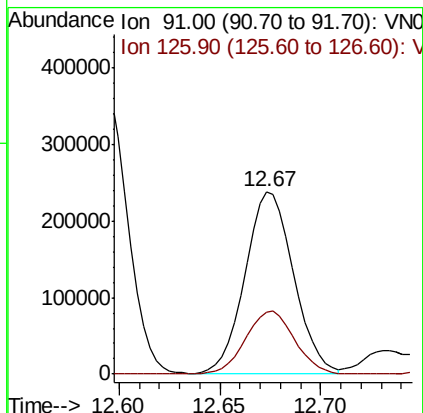
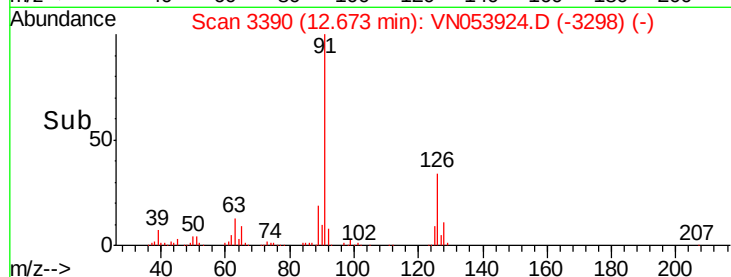
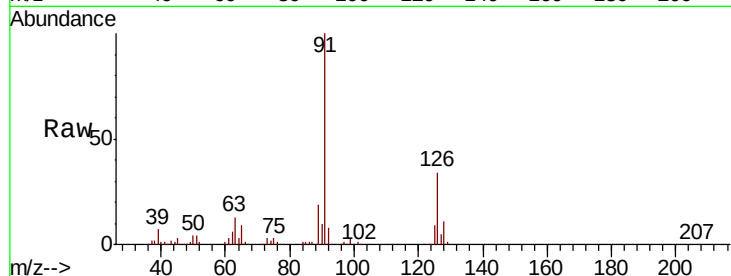
VSTDIC020

Tgt Ion: 91 Resp: 399328

Ion Ratio Lower Upper

91 100

126 35.2 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 20.018 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053924.D

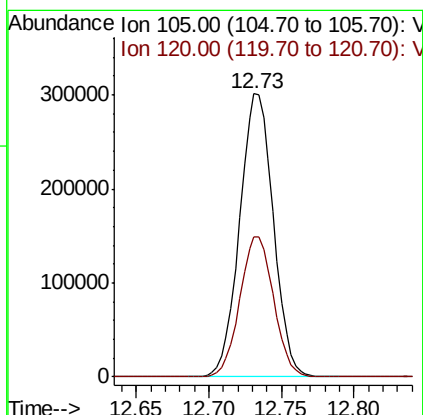
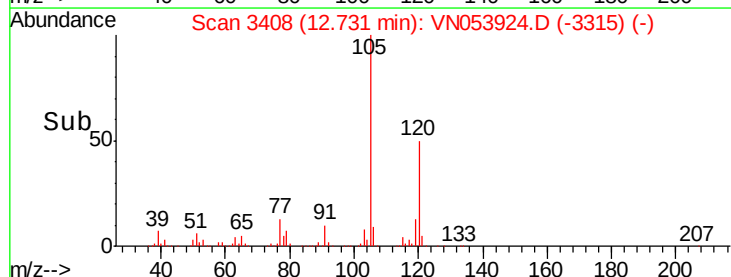
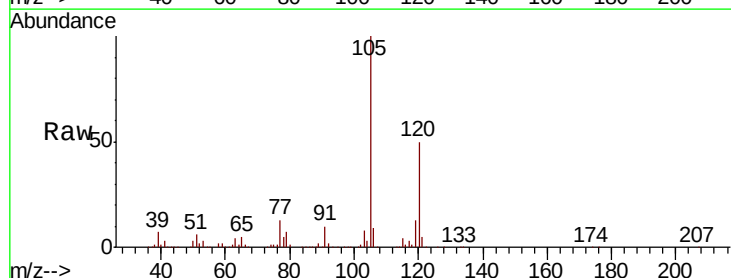
Acq: 25 Feb 2019 12:36

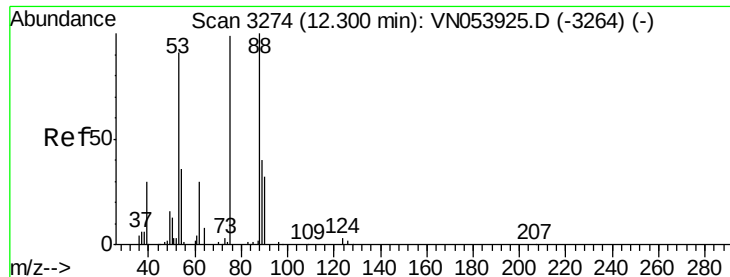
Tgt Ion: 105 Resp: 486895

Ion Ratio Lower Upper

105 100

120 49.7 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.535 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

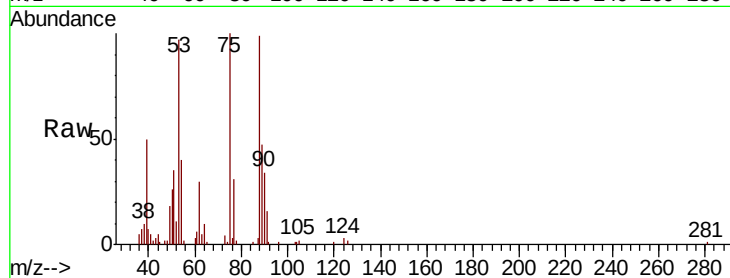
Tgt Ion: 75 Resp: 35906

Ion Ratio Lower Upper

75 100

53 95.7 68.6 102.8

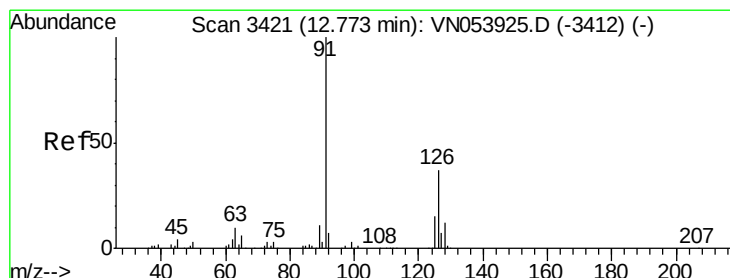
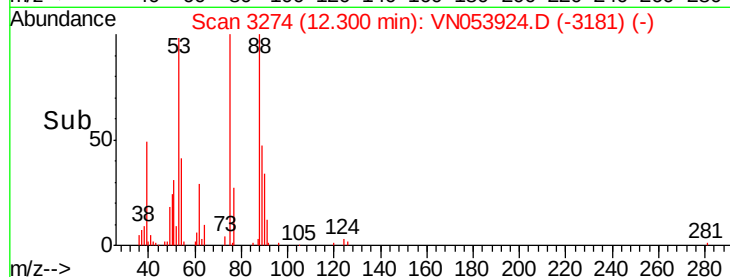
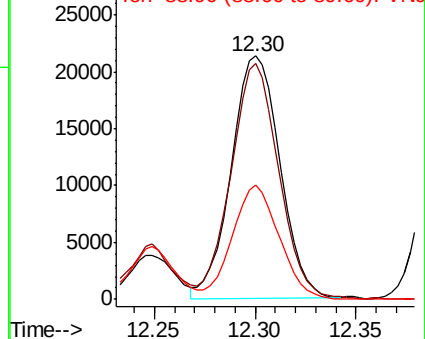
89 45.7 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.602 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053924.D

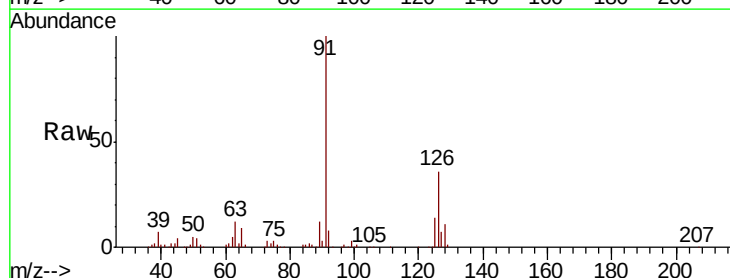
Acq: 25 Feb 2019 12:36

Tgt Ion: 91 Resp: 393242

Ion Ratio Lower Upper

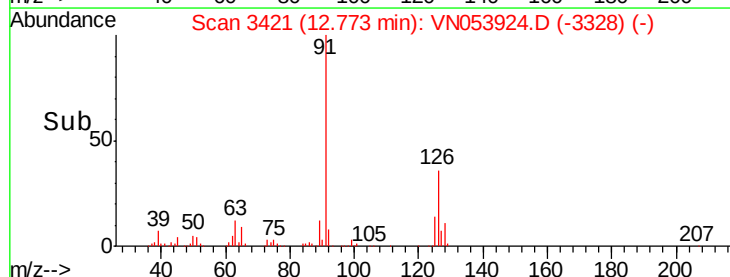
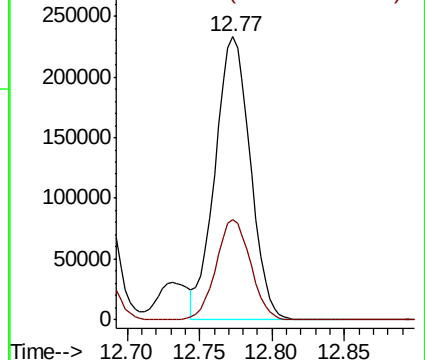
91 100

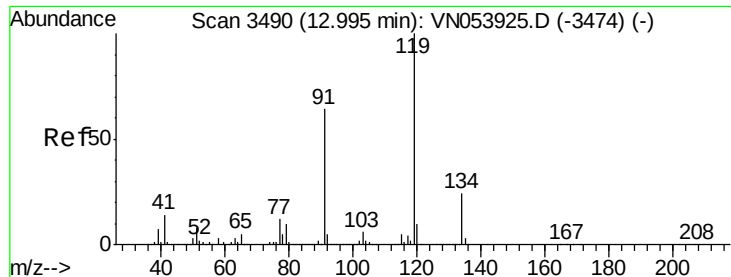
126 34.7 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

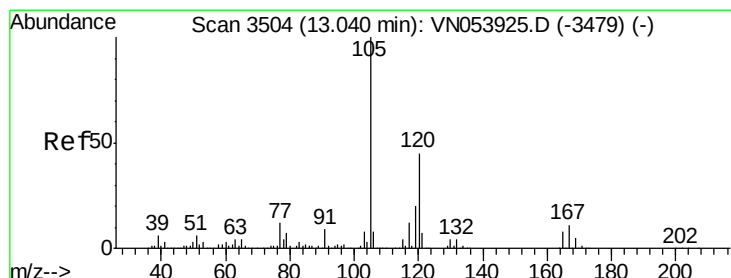
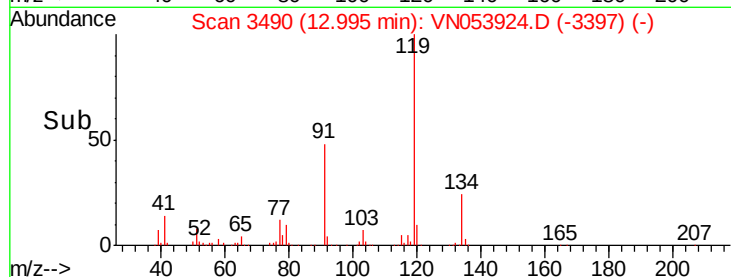
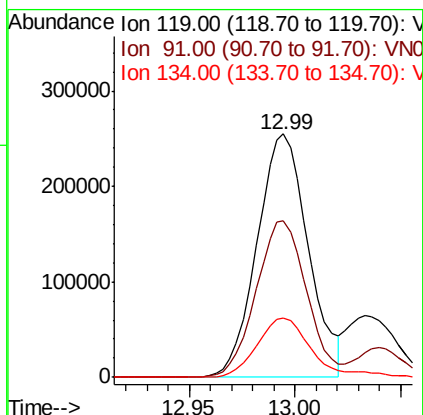
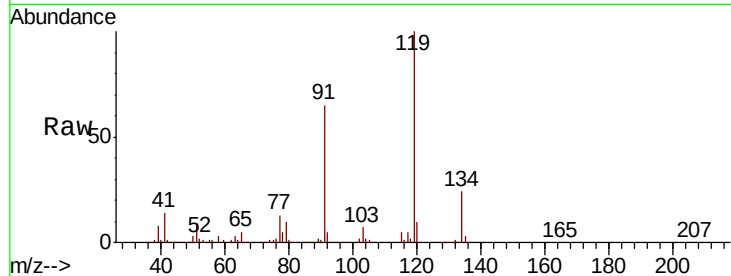




#83
 tert-Butylbenzene
 Concen: 20.022 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

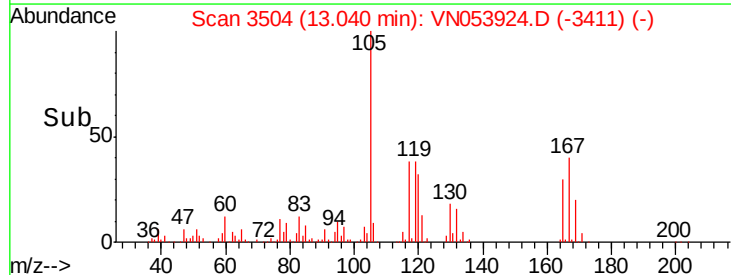
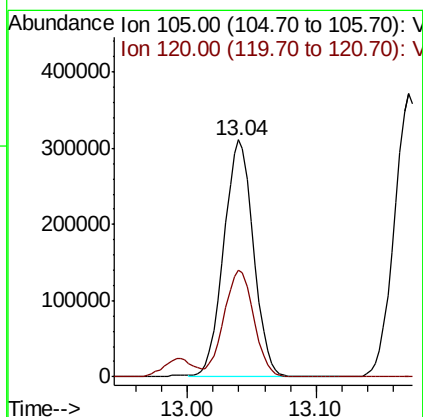
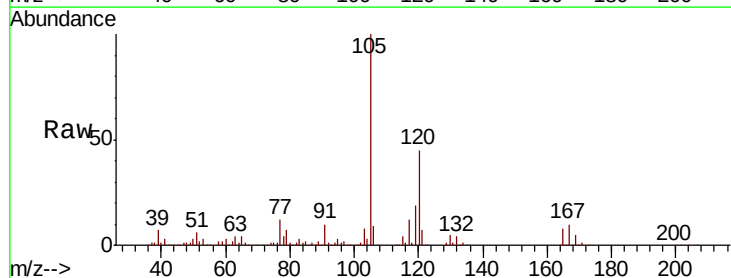
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

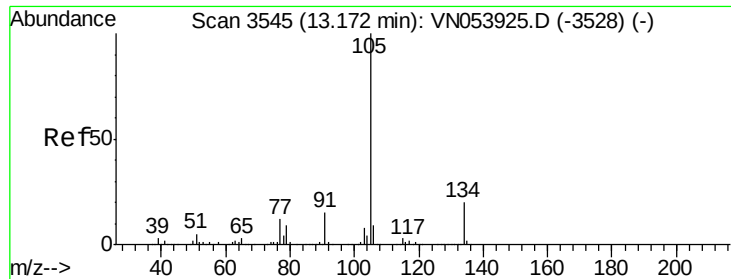
Tgt Ion:119 Resp: 430726
 Ion Ratio Lower Upper
 119 100
 91 63.7 30.6 91.8
 134 26.0 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.367 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion:105 Resp: 494567
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.2 69.5





#85

sec-Butylbenzene

Concen: 19.950 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

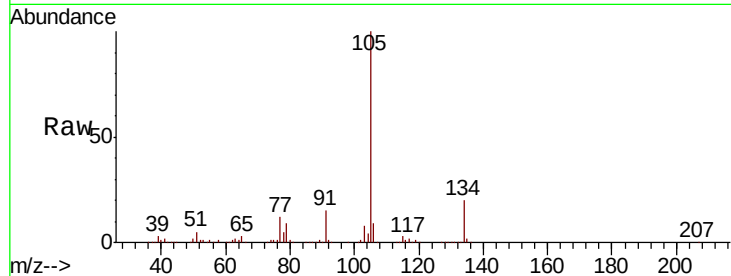
VSTDIC020

Tgt Ion:105 Resp: 586163

Ion Ratio Lower Upper

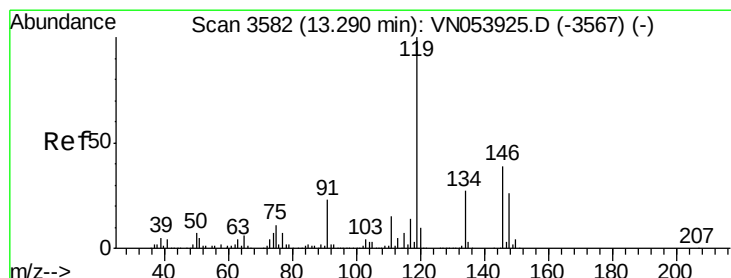
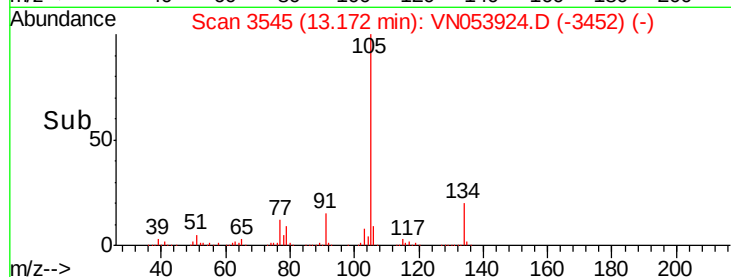
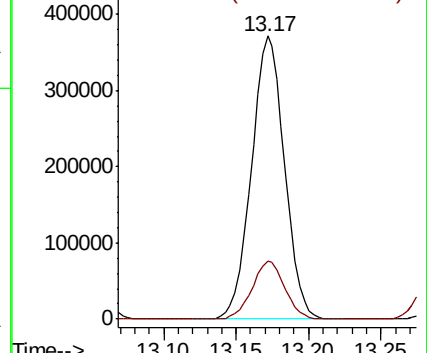
105 100

134 20.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.981 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

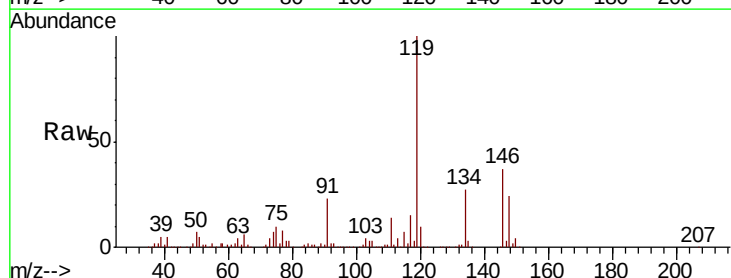
Tgt Ion:119 Resp: 496313

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

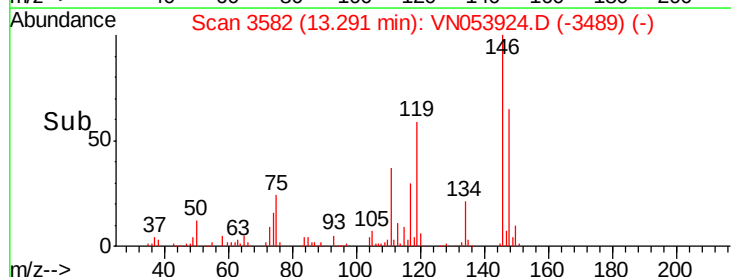
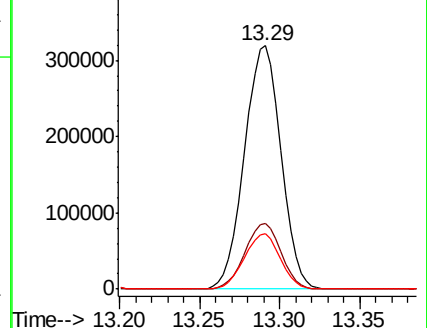
91 22.6 10.9 32.6

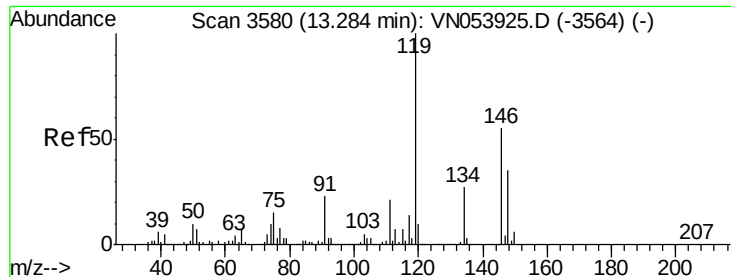


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.466 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

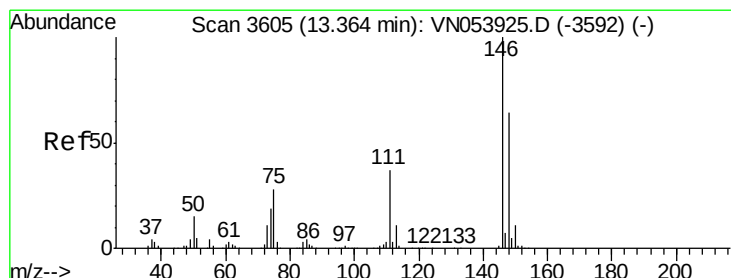
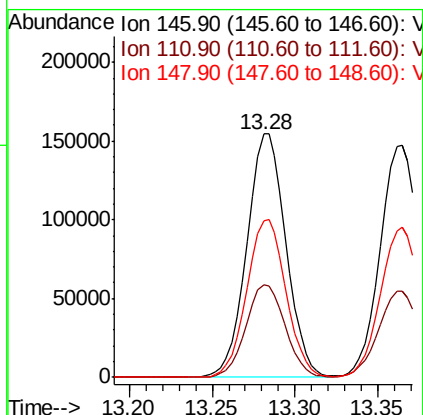
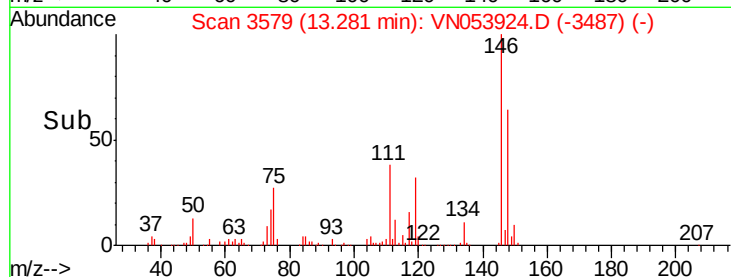
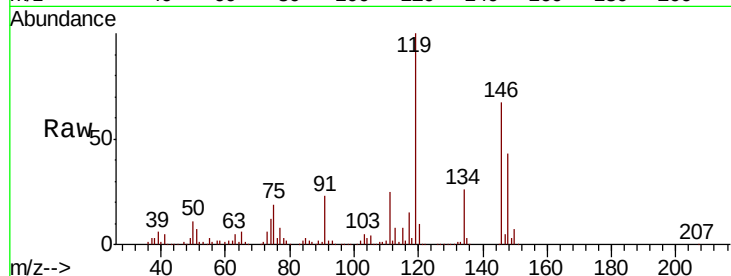
Tgt Ion:146 Resp: 254021

Ion Ratio Lower Upper

146 100

111 38.1 18.7 56.1

148 64.8 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 19.257 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

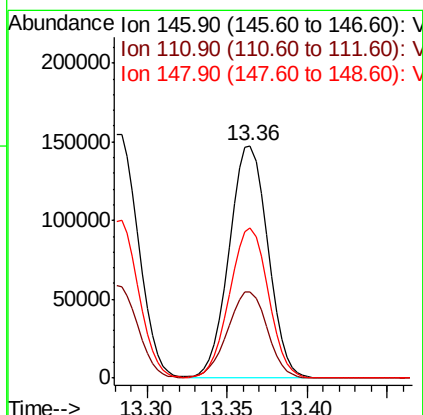
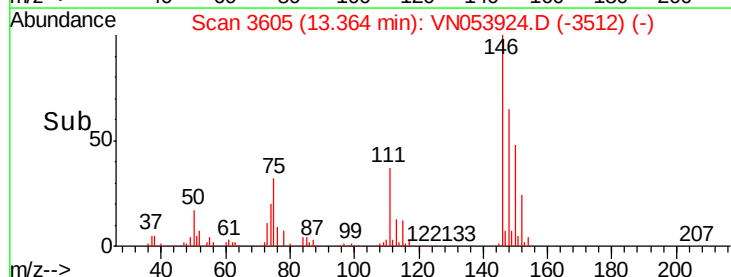
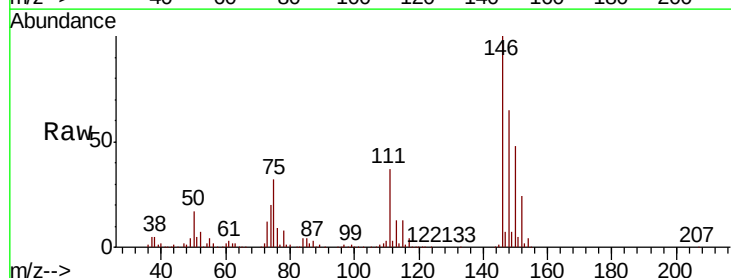
Tgt Ion:146 Resp: 243789

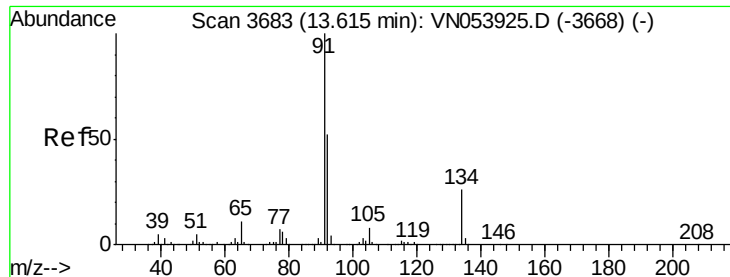
Ion Ratio Lower Upper

146 100

111 38.4 18.0 54.0

148 64.9 32.1 96.5





#89

n-Butylbenzene

Concen: 19.507 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

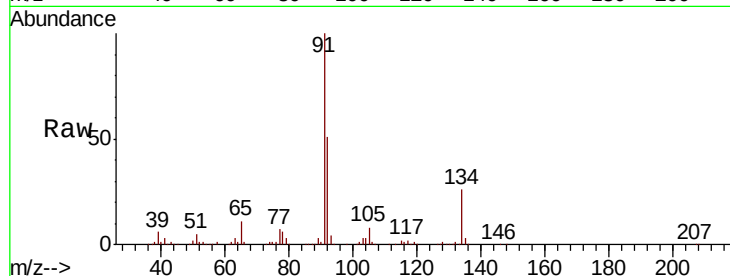
Tgt Ion: 91 Resp: 408351

Ion Ratio Lower Upper

91 100

92 51.6 26.1 78.2

134 25.7 13.6 40.8

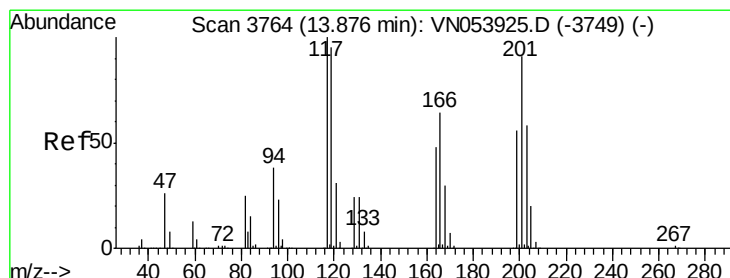
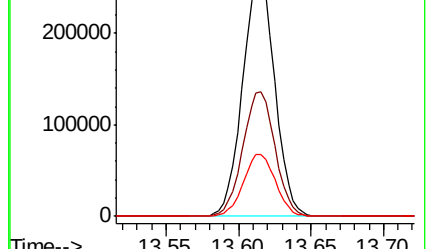
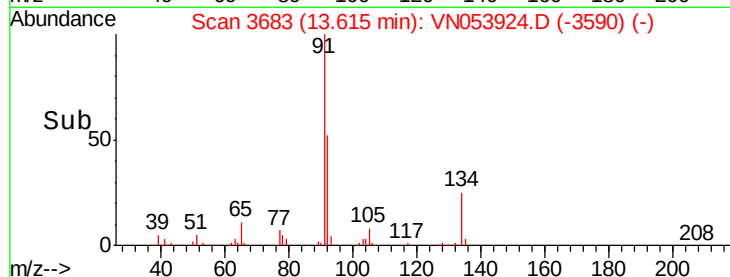


Abundance Ion 91.00 (90.70 to 91.70): VN053924.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053924.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053924.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 19.025 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053924.D

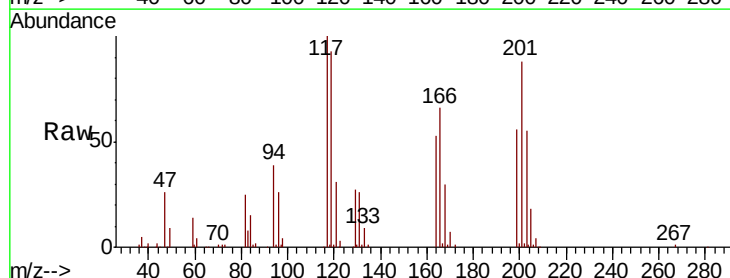
Acq: 25 Feb 2019 12:36

Tgt Ion: 117 Resp: 91573

Ion Ratio Lower Upper

117 100

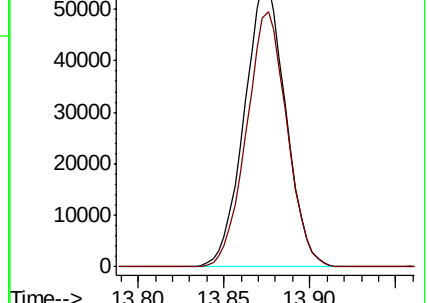
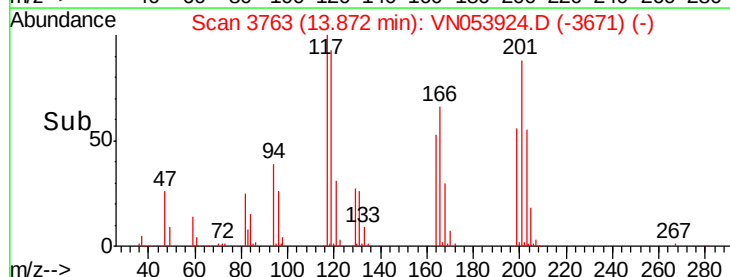
201 88.2 48.0 144.2

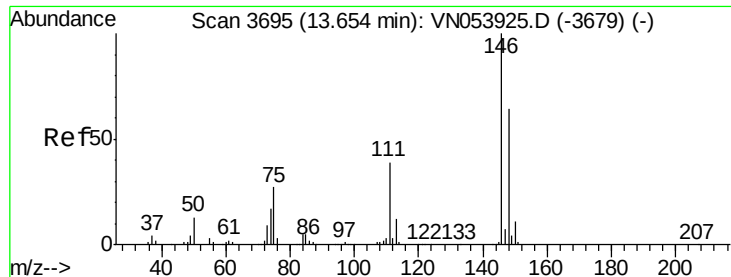


Abundance Ion 116.80 (116.50 to 117.50): VN053924.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053924.D (-3749) (-)

Time-->

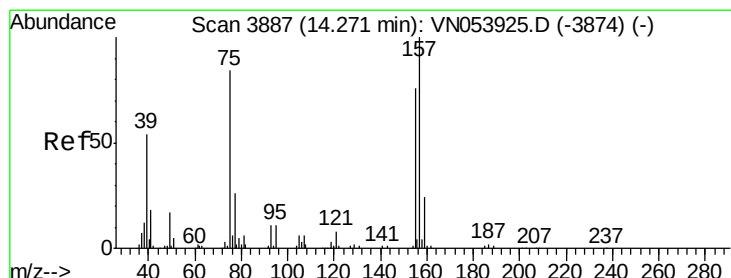
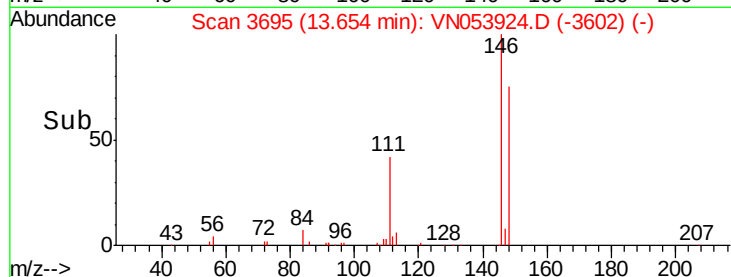
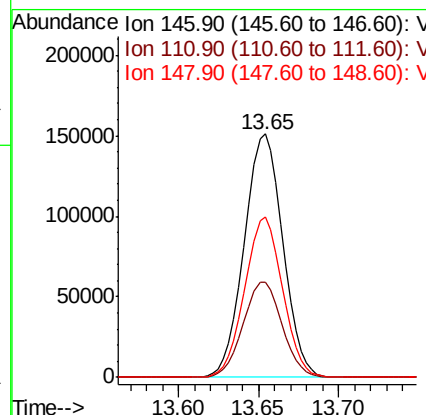
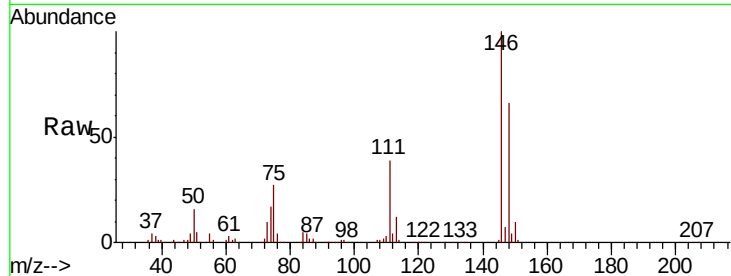




#91
 1,2-Dichlorobenzene
 Concen: 19.663 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

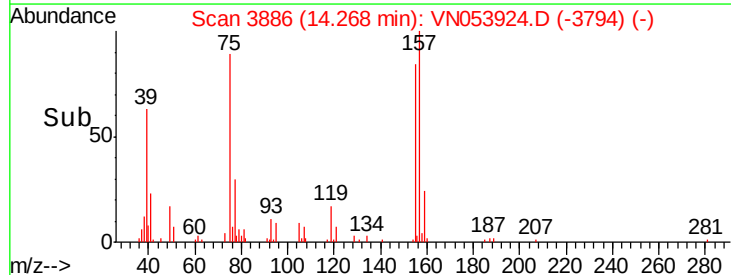
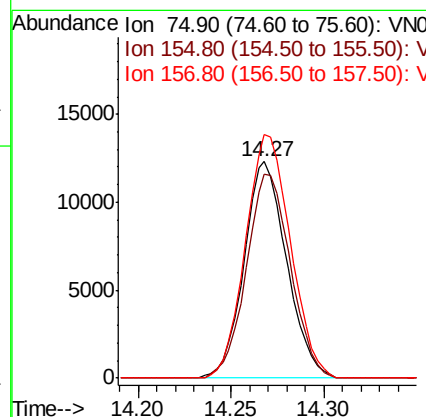
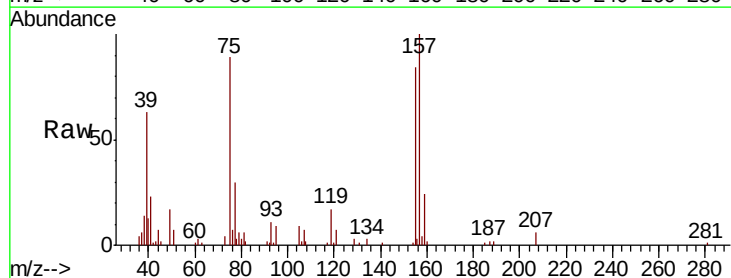
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

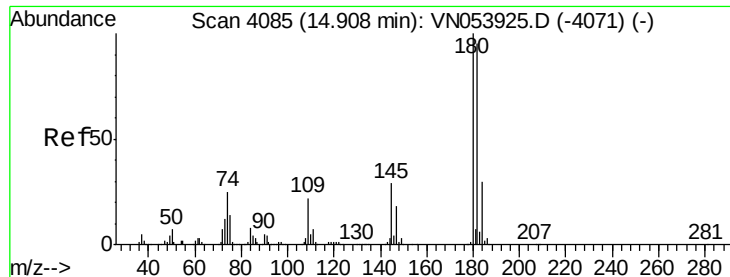
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.1	57.5
148	64.7	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.785 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	49.5	148.5
157	118.5	64.8	194.6

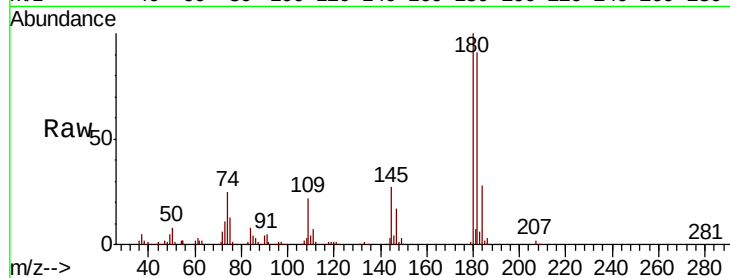




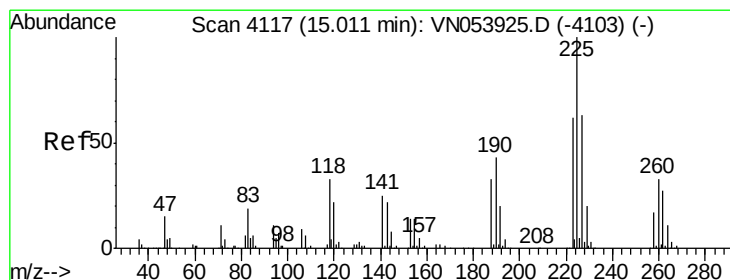
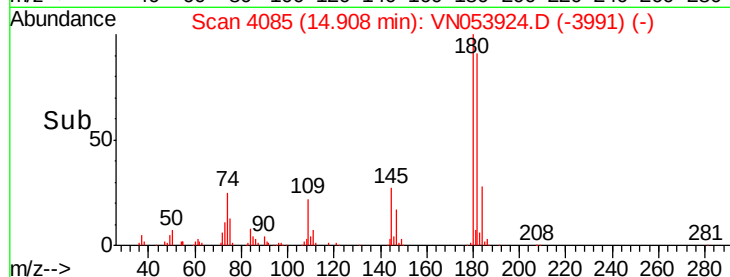
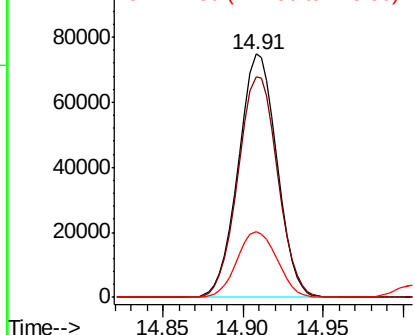
#93
 1,2,4-Trichlorobenzene
 Concen: 18.942 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 122746
 Ion Ratio Lower Upper
 180 100
 182 93.4 48.6 145.9
 145 28.1 13.8 41.3

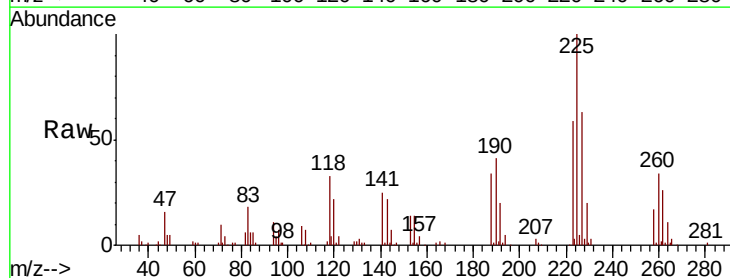


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

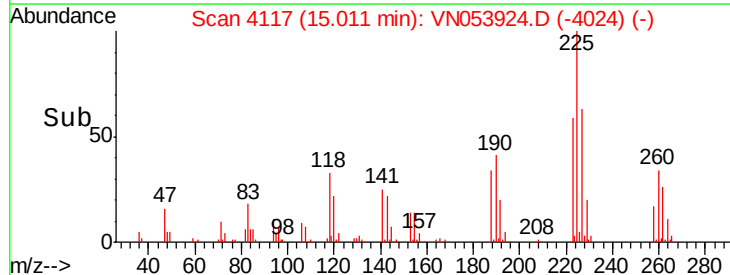
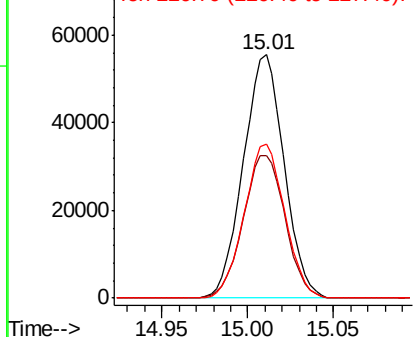


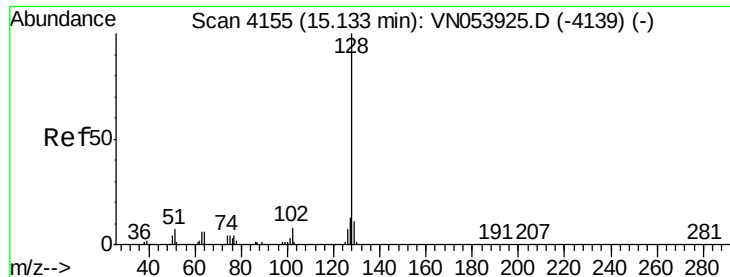
#94
 Hexachlorobutadiene
 Concen: 20.047 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053924.D
 Acq: 25 Feb 2019 12:36

Tgt Ion:225 Resp: 91472
 Ion Ratio Lower Upper
 225 100
 223 60.1 30.9 92.5
 227 62.6 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.789 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

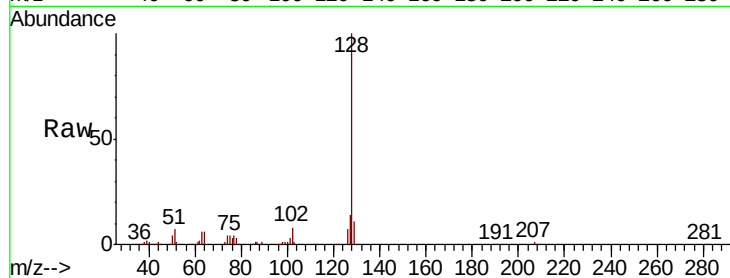
Tgt Ion:128 Resp: 235423

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

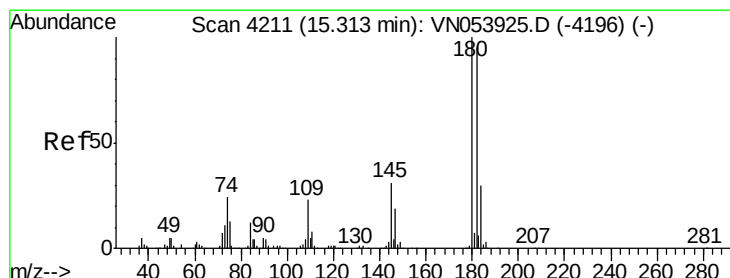
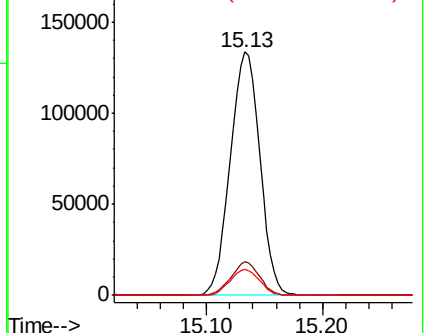
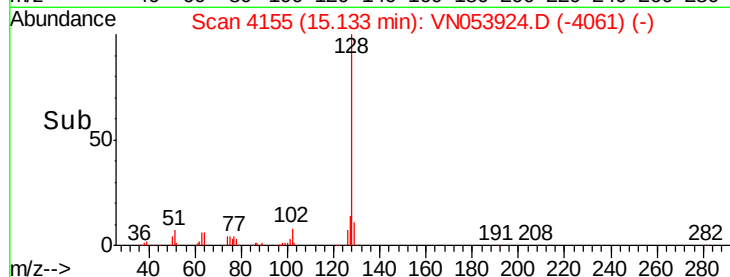
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.004 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053924.D

Acq: 25 Feb 2019 12:36

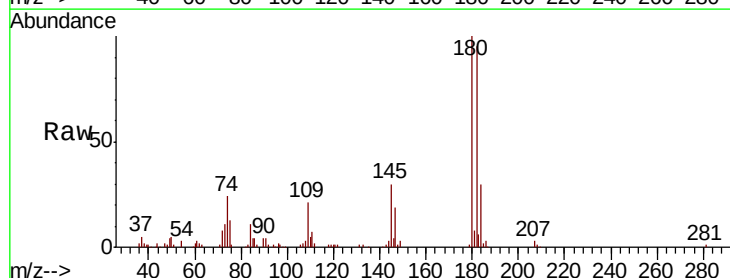
Tgt Ion:180 Resp: 121172

Ion Ratio Lower Upper

180 100

182 96.6 47.3 141.8

145 30.2 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

