

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053974.D
 Acq On : 27 Feb 2019 17:57
 Operator : JC/SP
 Sample : VN0227WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 28 00:09:51 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	648880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1057839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	911422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	397030	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	381171	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
35) Dibromofluoromethane	7.59	113	334407	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	10.09	98	1206081	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
62) 4-Bromofluorobenzene	12.40	95	393023	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	114457	19.166	ug/l	98
3) Chloromethane	2.06	50	165925	20.031	ug/l	100
4) Vinyl Chloride	2.19	62	163867	19.744	ug/l	100
5) Bromomethane	2.57	94	105291	19.156	ug/l	99
6) Chloroethane	2.71	64	97940	18.975	ug/l	98
7) Trichlorofluoromethane	3.02	101	206772	19.502	ug/l	98
8) Diethyl Ether	3.41	74	79126	19.919	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127567	19.050	ug/l	94
10) Methyl Iodide	3.95	142	176964	20.111	ug/l	99
11) Tert butyl alcohol	4.78	59	47261	98.012	ug/l	100
12) 1,1-Dichloroethene	3.74	96	122650	19.148	ug/l	93
13) Acrolein	3.61	56	46306	92.754	ug/l	99
14) Allyl chloride	4.33	41	226874	20.194	ug/l	97
15) Acrylonitrile	4.99	53	259316	102.037	ug/l	98
16) Acetone	3.81	43	219403	101.758	ug/l	97
17) Carbon Disulfide	4.05	76	374412	18.119	ug/l	98
18) Methyl Acetate	4.32	43	113003	21.247	ug/l	92
19) Methyl tert-butyl Ether	5.04	73	349744	20.354	ug/l	100
20) Methylene Chloride	4.55	84	143753	19.095	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	132285	19.081	ug/l	92
22) Diisopropyl ether	5.95	45	446234	20.589	ug/l	94
23) Vinyl Acetate	5.90	43	1575414	101.041	ug/l	95
24) 1,1-Dichloroethane	5.85	63	265353	19.964	ug/l	98
25) 2-Butanone	6.83	43	304416	101.927	ug/l	95
26) 2,2-Dichloropropane	6.82	77	190198	20.142	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	151786	19.687	ug/l	95
28) Bromochloromethane	7.19	49	126581	20.806	ug/l	# 80
29) Tetrahydrofuran	7.21	42	207798	104.480	ug/l	90
30) Chloroform	7.37	83	252546	19.596	ug/l	97
31) Cyclohexane	7.65	56	245261	19.917	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	206592	19.441	ug/l	97
36) 1,1-Dichloropropene	7.79	75	187914	19.102	ug/l	97
37) Ethyl Acetate	6.93	43	131531	18.725	ug/l	98
38) Carbon Tetrachloride	7.77	117	185297	18.111	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	219991	18.553	ug/l	95
40) Benzene	8.04	78	587170	19.429	ug/l	99
41) Methacrylonitrile	7.17	41	70678	15.626	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	183254	19.586	ug/l	98
43) Isopropyl Acetate	8.16	43	228190	19.240	ug/l #	93
44) Trichloroethene	8.83	130	150483	18.782	ug/l	92
45) 1,2-Dichloropropane	9.12	63	157720	19.344	ug/l	98
46) Dibromomethane	9.21	93	90751	19.172	ug/l	92
47) Bromodichloromethane	9.40	83	193917	19.439	ug/l	98
48) Methyl methacrylate	9.20	41	106900	19.596	ug/l	91
49) 1,4-Dioxane	9.20	88	28749	389.088	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	615798	101.041	ug/l	96
52) Toluene	10.16	92	346004	19.444	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	185278	19.088	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	218493	19.095	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	128033	19.265	ug/l	98
56) Ethyl methacrylate	10.43	69	151089	18.616	ug/l	87
57) 1,3-Dichloropropane	10.71	76	219725	19.568	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	341421	93.190	ug/l	94
59) 2-Hexanone	10.75	43	394373	99.495	ug/l	93
60) Dibromochloromethane	10.90	129	135542	18.351	ug/l	100
61) 1,2-Dibromoethane	11.01	107	120381	18.777	ug/l	98
64) Tetrachloroethene	10.63	164	143953	18.652	ug/l	98
65) Chlorobenzene	11.43	112	359582	18.694	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	134524	19.405	ug/l	99
67) Ethyl Benzene	11.51	91	616460	19.117	ug/l	99
68) m/p-Xylenes	11.62	106	470870	38.689	ug/l	97
69) o-Xylene	11.95	106	228073	19.072	ug/l	98
70) Styrene	11.96	104	362638	19.715	ug/l	98
71) Bromoform	12.13	173	89425	18.542	ug/l #	99
73) Isopropylbenzene	12.25	105	605228	19.583	ug/l	99
74) N-amyl acetate	12.07	43	166113	20.507	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	152438	19.724	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	183677	28.839	ug/l #	100
77) Bromobenzene	12.53	156	150304	19.155	ug/l	90
78) n-propylbenzene	12.59	91	694554	19.761	ug/l	98
79) 2-Chlorotoluene	12.68	91	419316	19.859	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	504019	19.920	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	36448	18.087	ug/l	90
82) 4-Chlorotoluene	12.77	91	416169	19.943	ug/l	95
83) tert-Butylbenzene	12.99	119	453076	20.247	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	504272	19.963	ug/l	99
85) sec-Butylbenzene	13.17	105	612976	20.055	ug/l	98
86) p-Isopropyltoluene	13.29	119	514725	19.921	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	257557	18.974	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	251662	19.110	ug/l	98
89) n-Butylbenzene	13.62	91	429817	19.738	ug/l	99
90) Hexachloroethane	13.87	117	92093	18.393	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	254462	19.365	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20562	18.827	ug/l	92

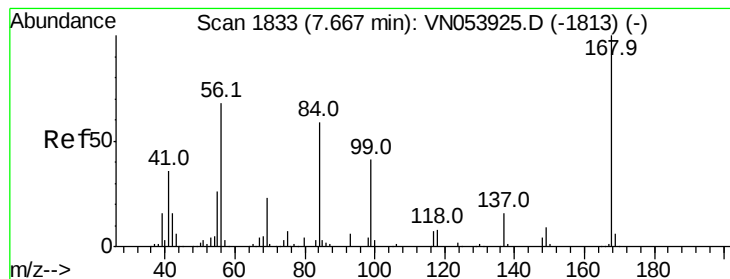
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	119843	17.915	ug/l	98
94) Hexachlorobutadiene	15.01	225	92986	19.590	ug/l	99
95) Naphthalene	15.13	128	241334	17.577	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	119549	18.104	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: VN053974.D

Acq: 27 Feb 2019 17:57

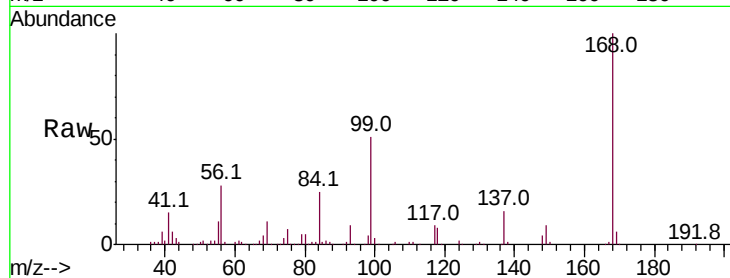
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 648880

Ion Ratio Lower Upper

168 100

99 50.4 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

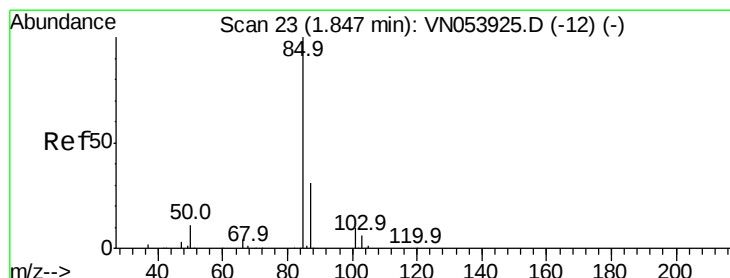
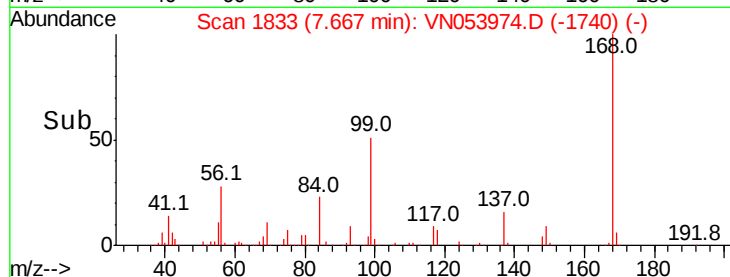
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.166 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN053974.D

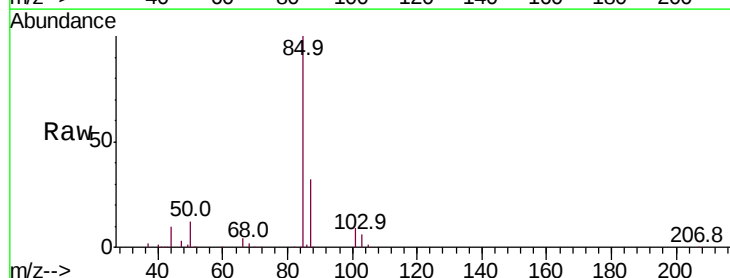
Acq: 27 Feb 2019 17:57

Tgt Ion: 85 Resp: 114457

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

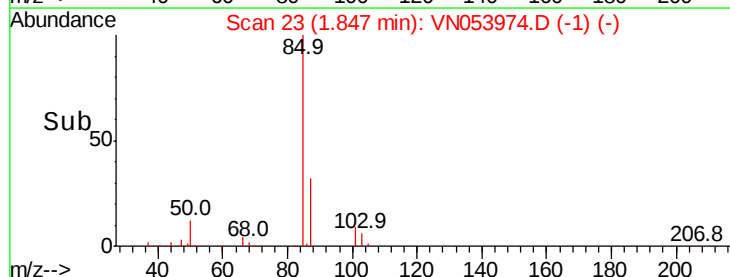
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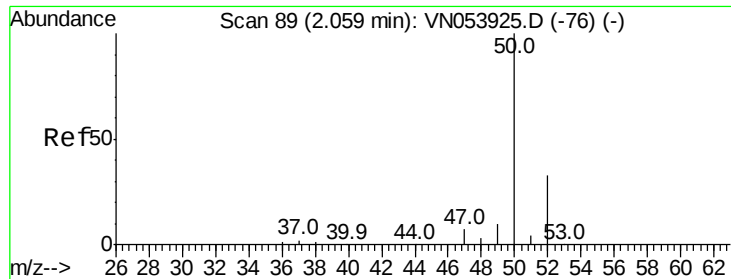
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.031 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

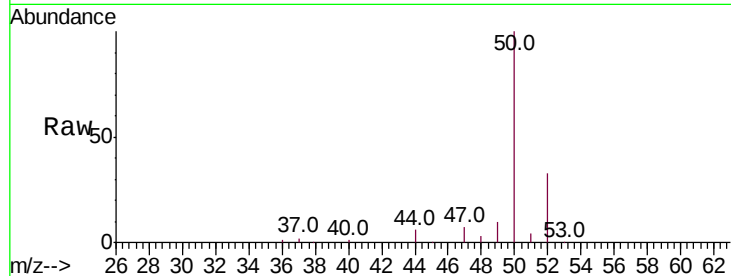
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 165925

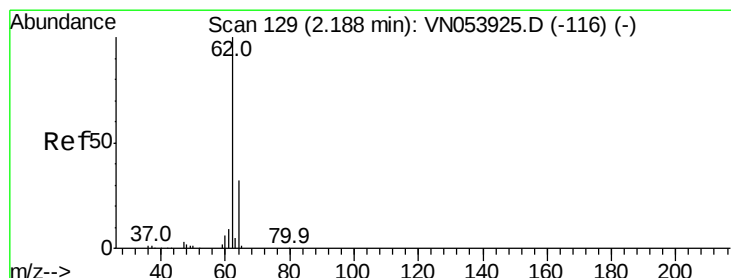
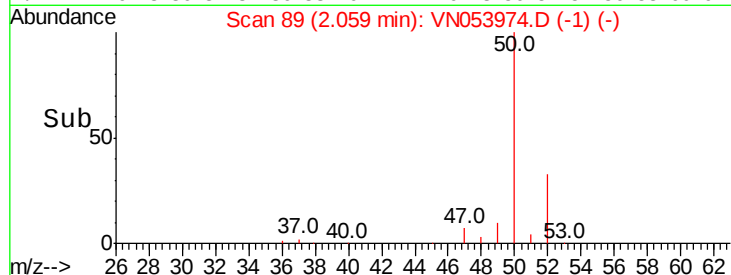
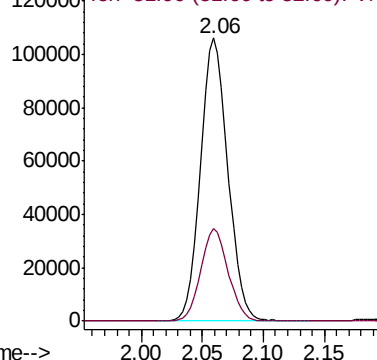
Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNC
Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.744 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053974.D

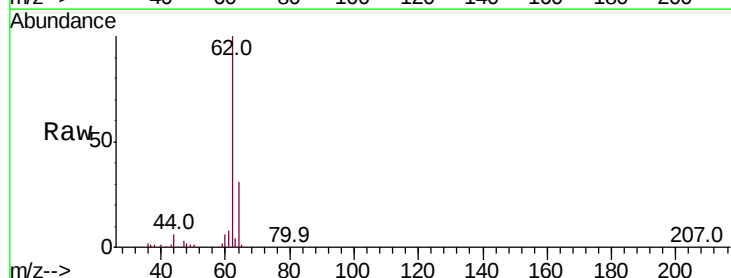
Acq: 27 Feb 2019 17:57

Tgt Ion: 62 Resp: 163867

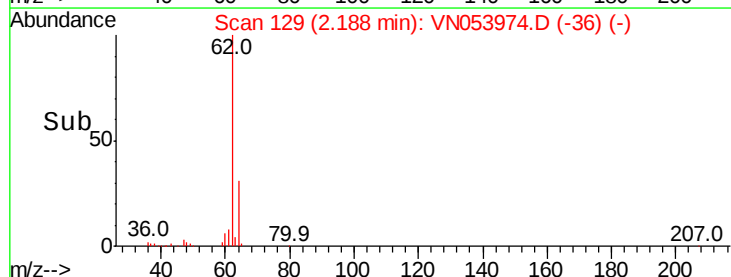
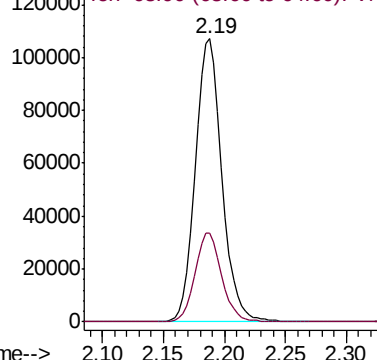
Ion Ratio Lower Upper

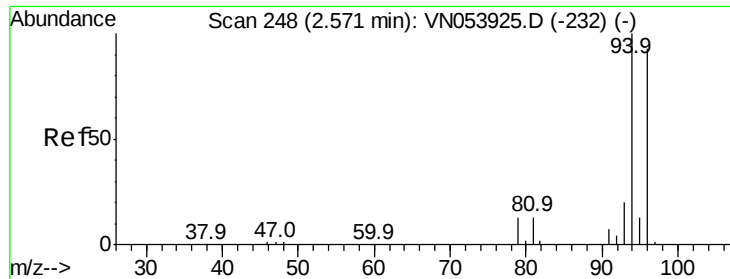
62 100

64 31.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 63.90 (63.60 to 64.60): VNC

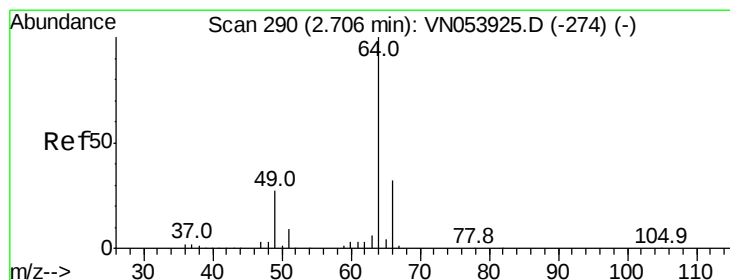
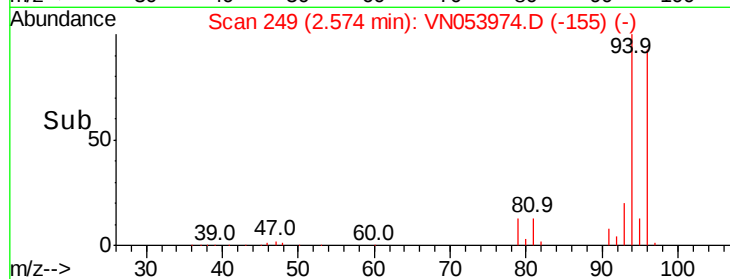
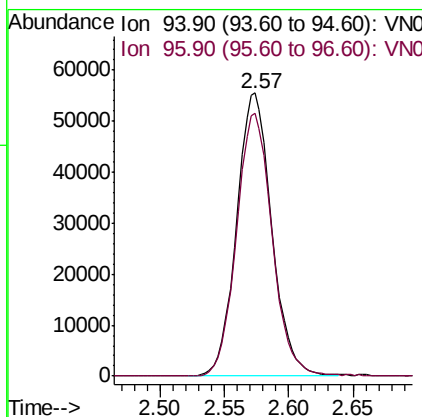
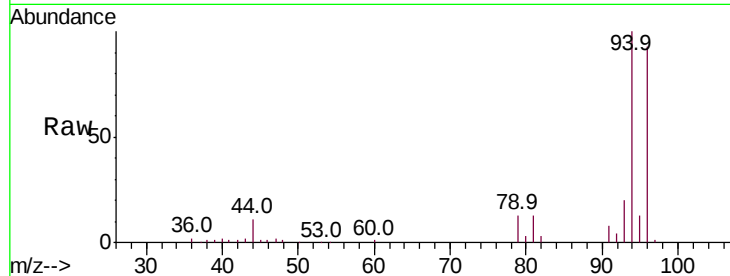




#5
Bromomethane
Concen: 19.156 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

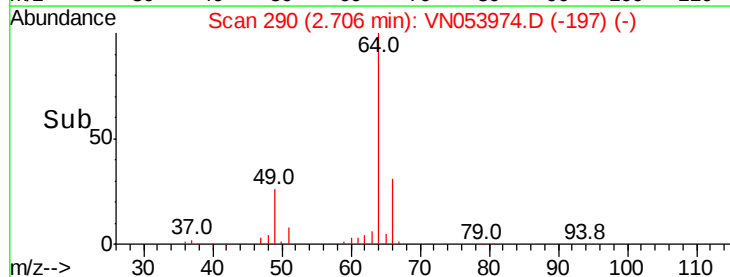
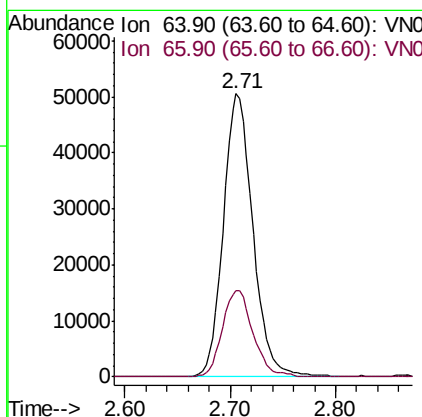
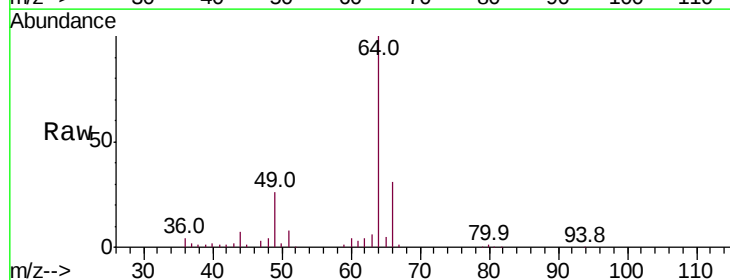
Instrument :
MSVOA_N
ClientSampleId :

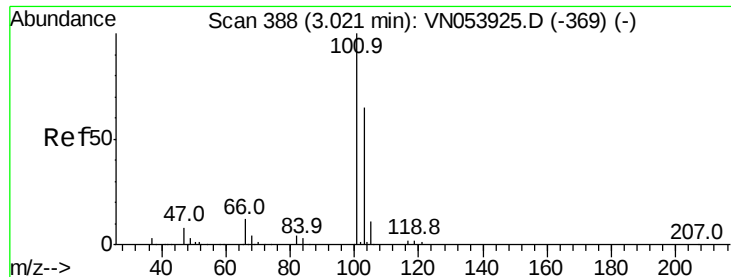
Tot Ion: 94 Resp: 105291
Ion Ratio Lower Upper
94 100
96 92.8 74.9 112.3



#6
Chloroethane
Concen: 18.975 ug/l
RT: 2.71 min Scan# 290
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion: 64 Resp: 97940
Ion Ratio Lower Upper
64 100
66 30.5 25.5 38.3



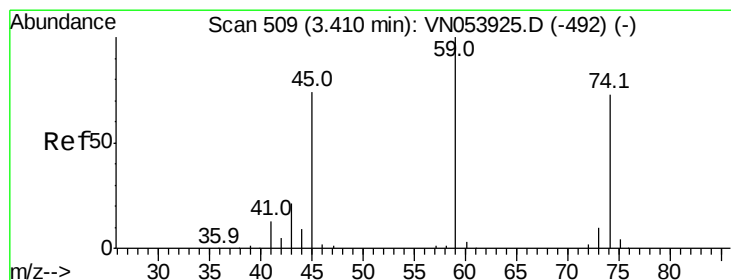
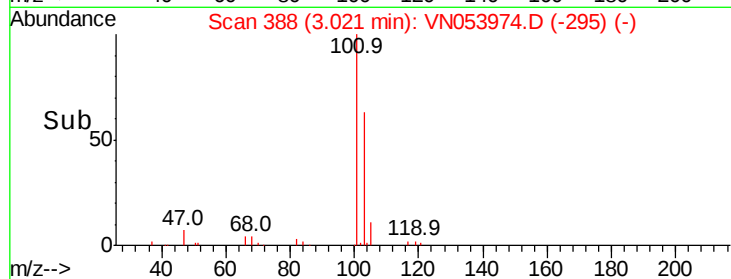
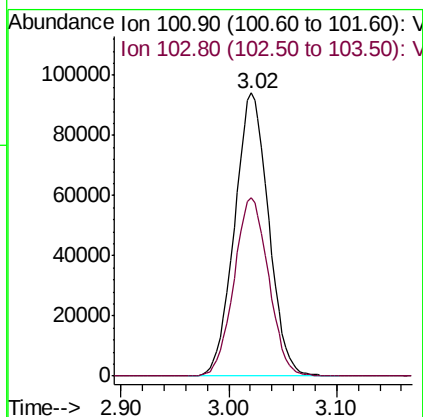
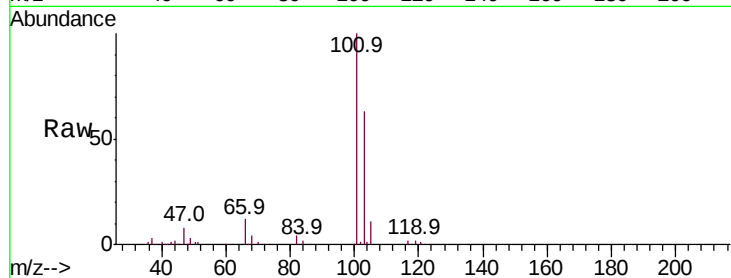


#7

Trichlorofluoromethane
 Concen: 19.502 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :

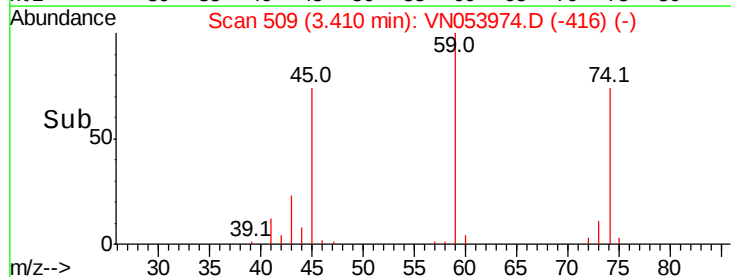
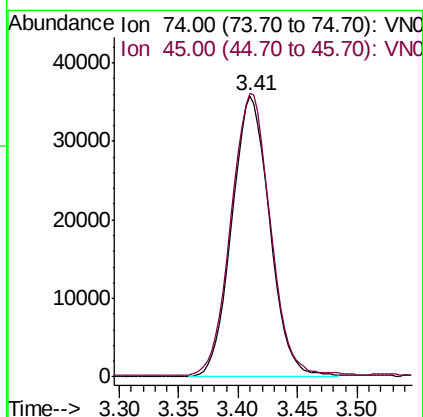
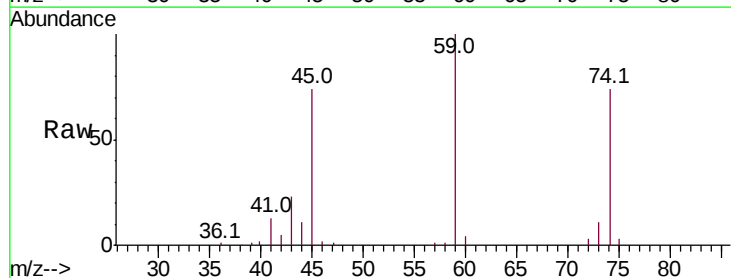
Tot Ion:101 Resp: 206772
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.9 77.9

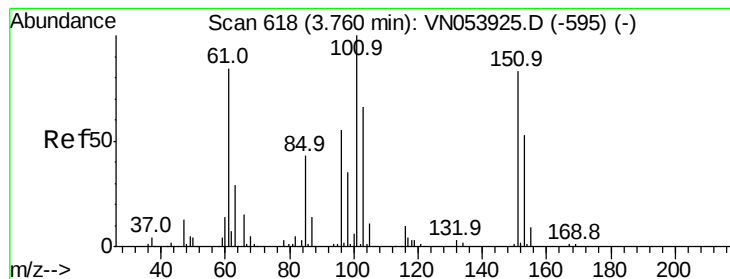


#8

Diethyl Ether
 Concen: 19.919 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Tgt Ion: 74 Resp: 79126
 Ion Ratio Lower Upper
 74 100
 45 103.5 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.050 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

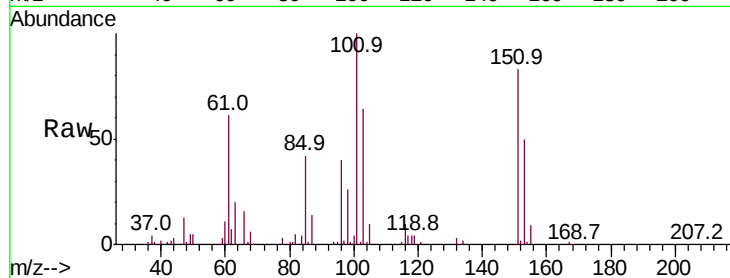
Tot Ion:101 Resp: 127567

Ion Ratio Lower Upper

101 100

85 42.6 32.5 48.7

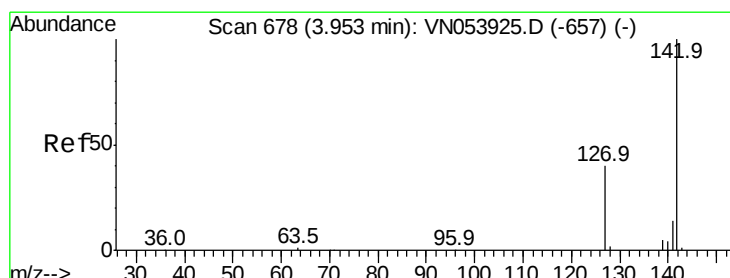
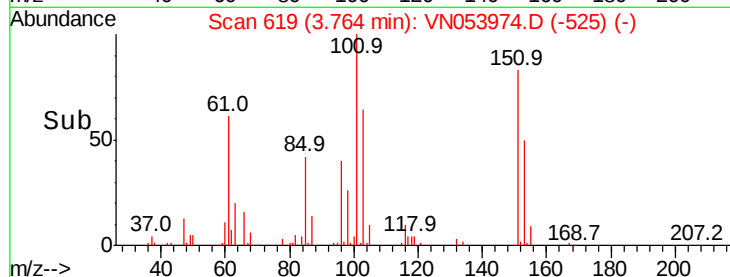
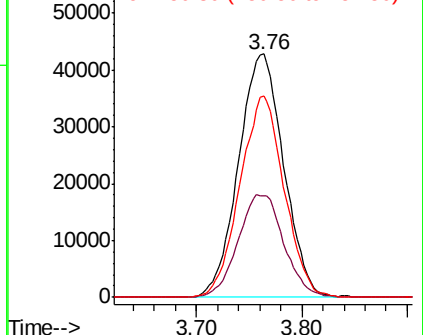
151 81.0 70.2 105.2



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: 20.111 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

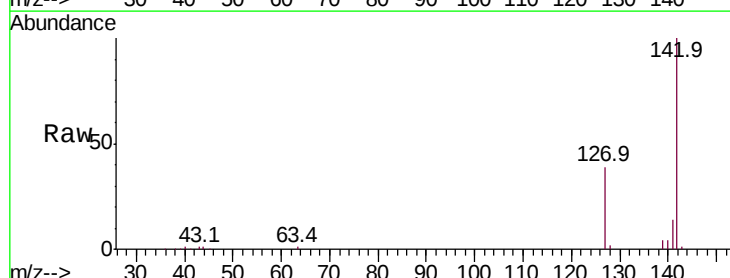
Tgt Ion:142 Resp: 176964

Ion Ratio Lower Upper

142 100

127 39.6 31.0 46.4

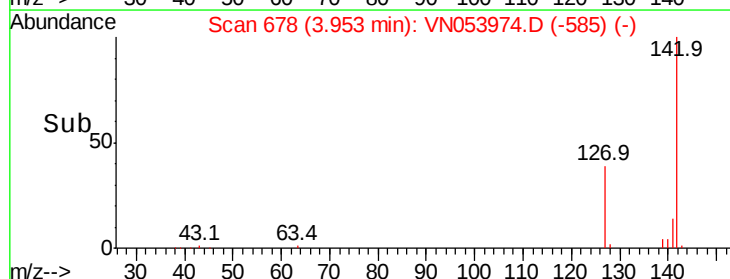
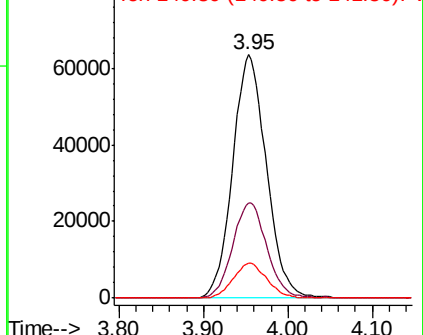
141 14.3 11.3 16.9

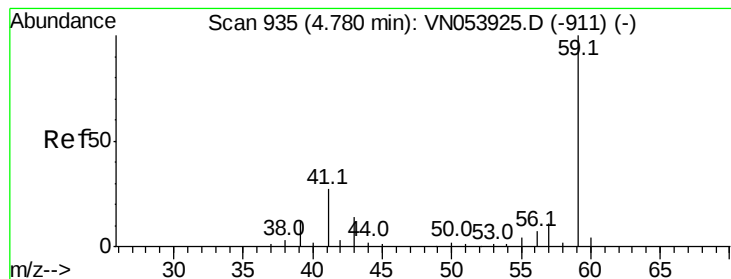


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



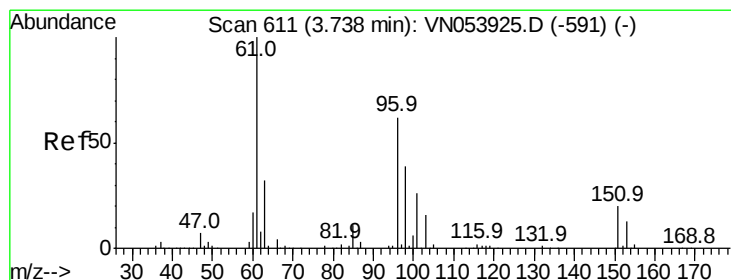
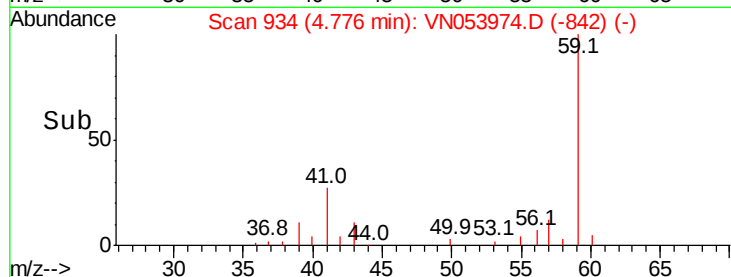
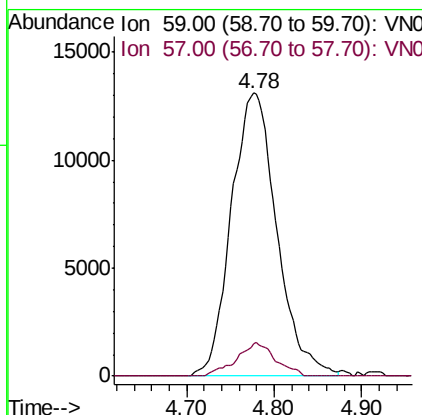
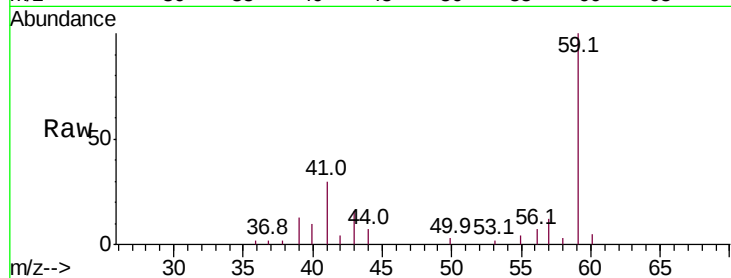


#11

Tert butyl alcohol
 Concen: 98.012 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Instrument :
 MSVOA_N
 ClientSampled :

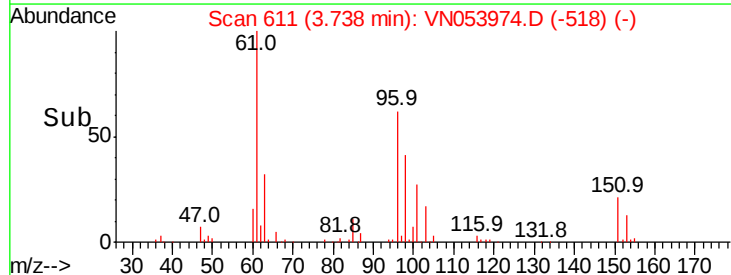
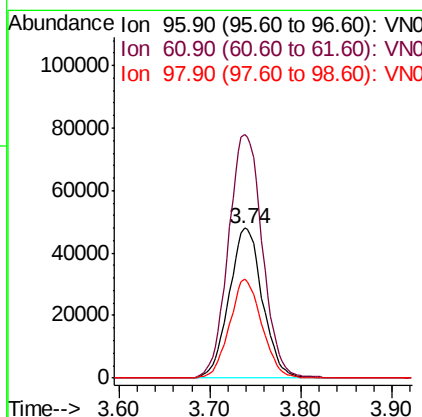
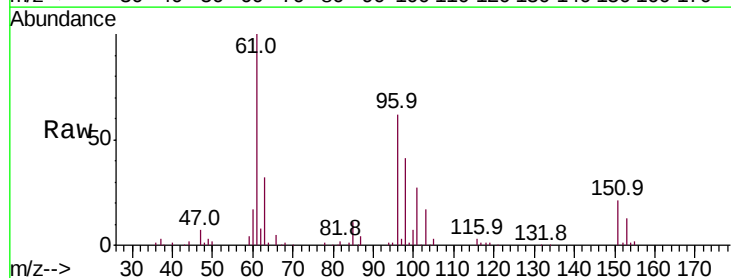
Tot Ion: 59 Resp: 47261
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.1 12.1

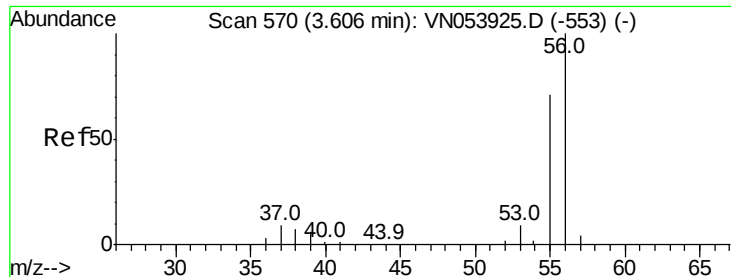


#12

1,1-Dichloroethene
 Concen: 19.148 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Tgt Ion: 96 Resp: 122650
 Ion Ratio Lower Upper
 96 100
 61 162.5 121.0 181.4
 98 66.1 52.2 78.2





#13

Acrolein

Concen: 92.754 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

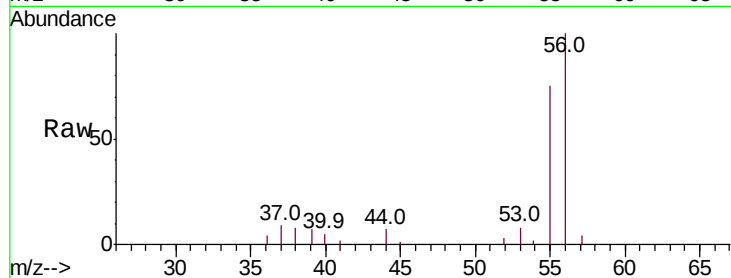
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 46306

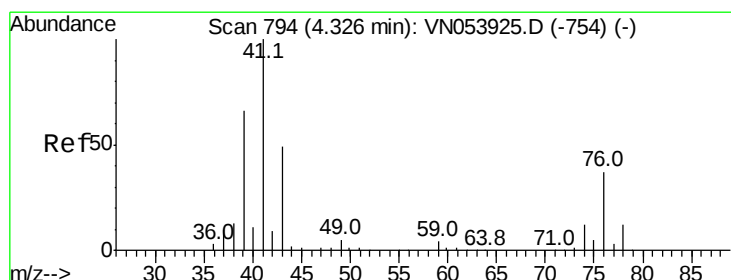
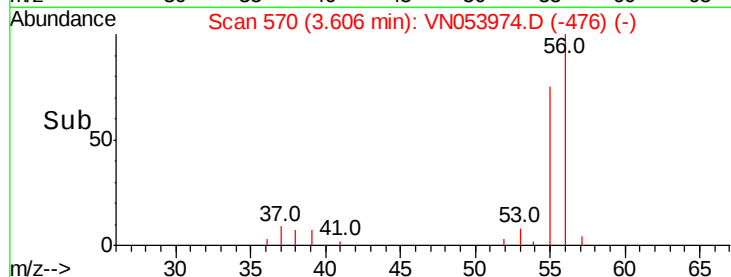
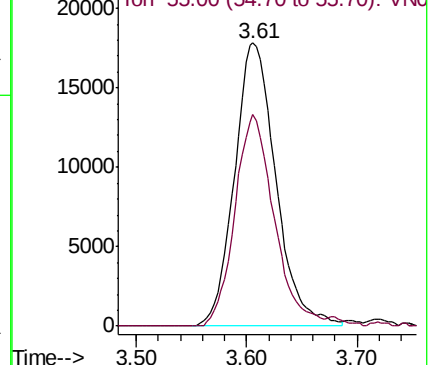
Ion Ratio Lower Upper

56 100

55 70.9 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN053974.D (-476) (-)



#14

Allyl chloride

Concen: 20.194 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

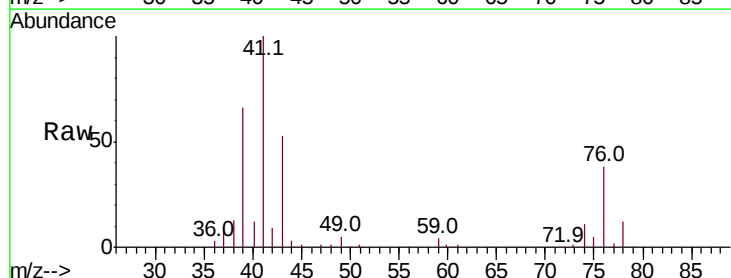
Tgt Ion: 41 Resp: 226874

Ion Ratio Lower Upper

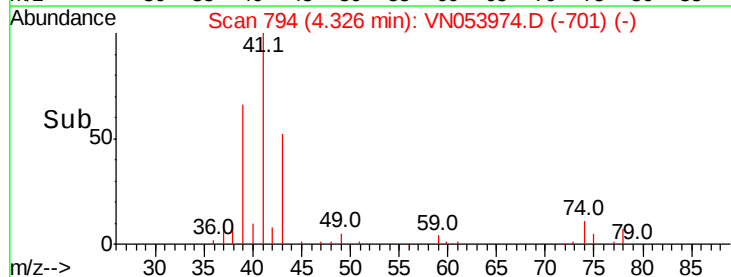
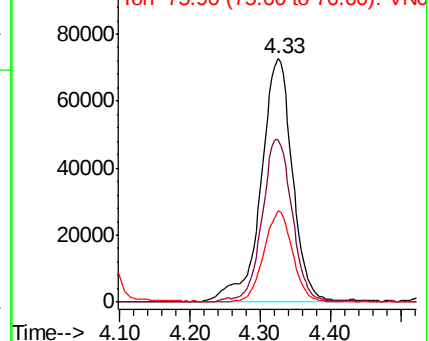
41 100

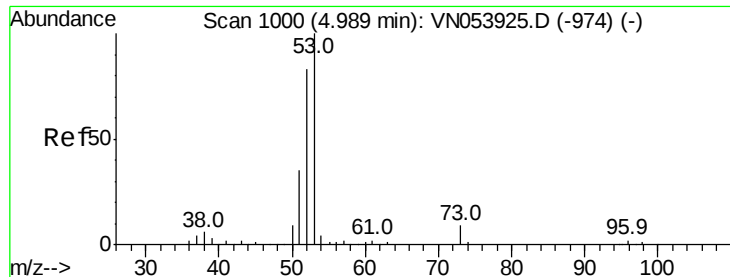
39 61.6 48.8 73.2

76 34.1 30.9 46.3



Abundance Ion 41.00 (40.70 to 41.70): VN053974.D (-701) (-)





#15

Acrylonitrile

Concen: 102.037 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

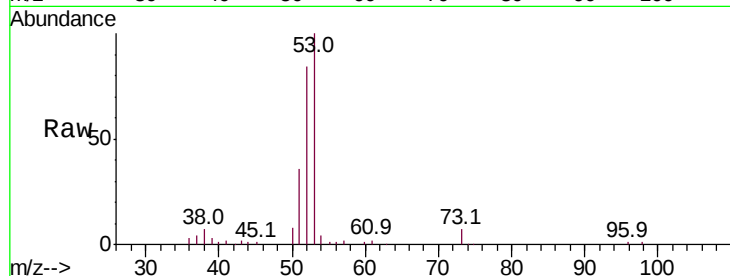
Tot Ion: 53 Resp: 259316

Ion Ratio Lower Upper

53 100

52 83.1 65.1 97.7

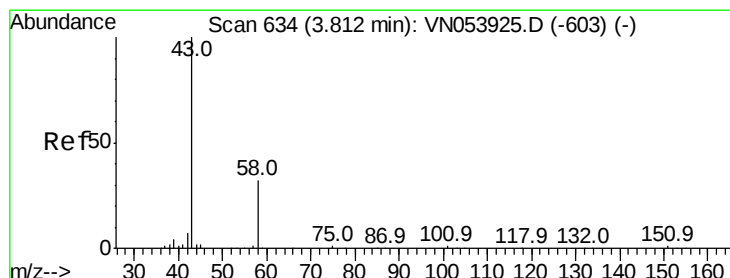
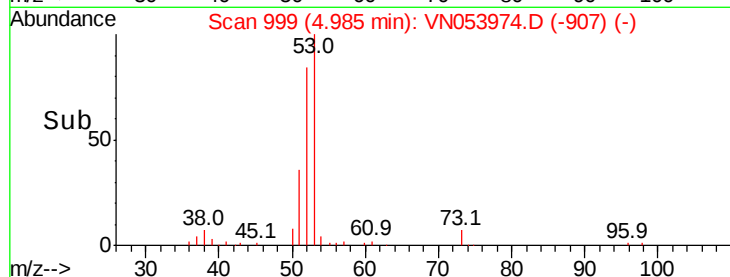
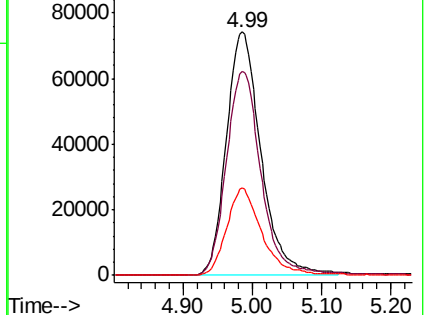
51 36.1 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 101.758 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053974.D

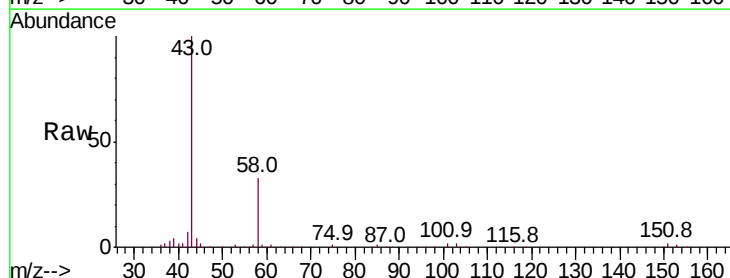
Acq: 27 Feb 2019 17:57

Tgt Ion: 43 Resp: 219403

Ion Ratio Lower Upper

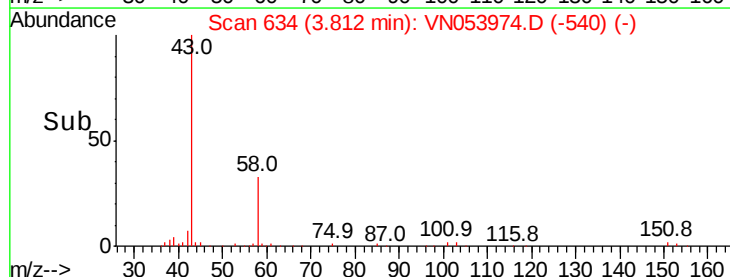
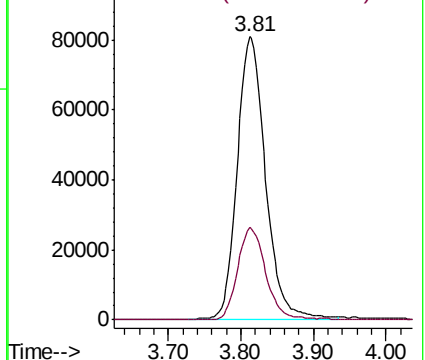
43 100

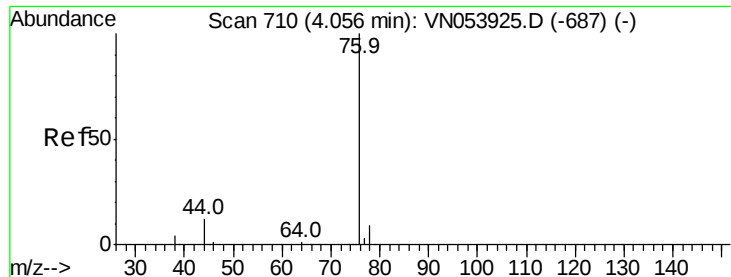
58 33.0 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.119 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

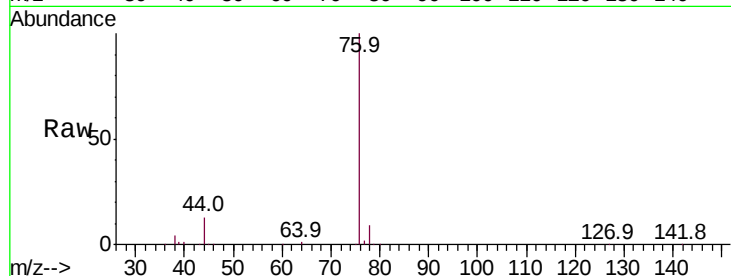
ClientSampleId :

Tot Ion: 76 Resp: 374412

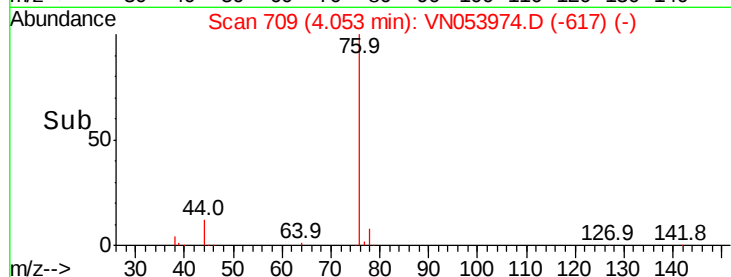
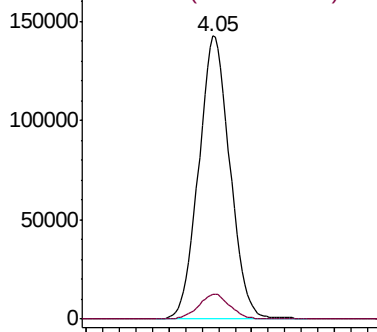
Ion Ratio Lower Upper

76 100

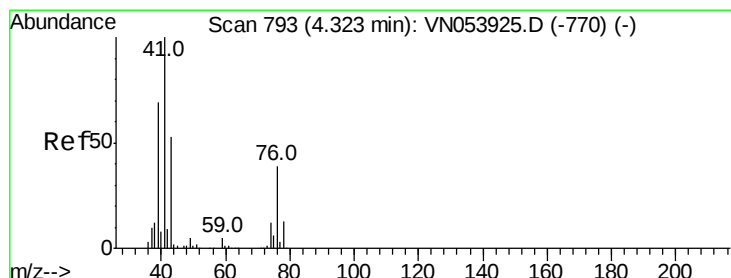
78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



Time-->



#18

Methyl Acetate

Concen: 21.247 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053974.D

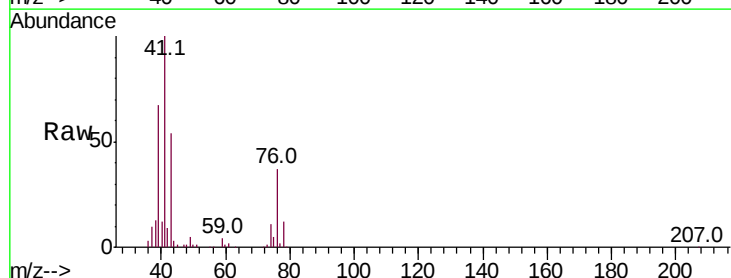
Acq: 27 Feb 2019 17:57

Tgt Ion: 43 Resp: 113003

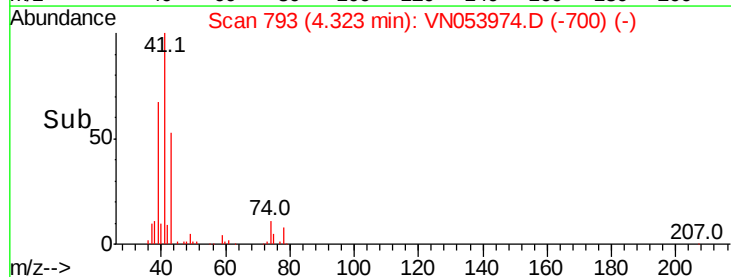
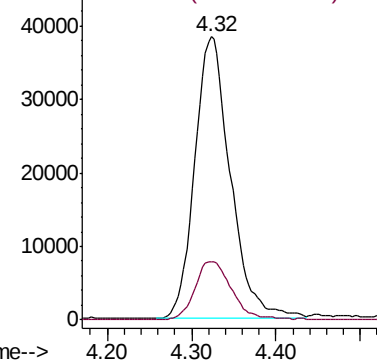
Ion Ratio Lower Upper

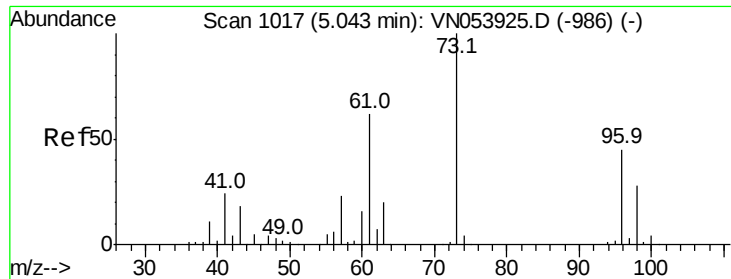
43 100

74 21.4 20.5 30.7



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

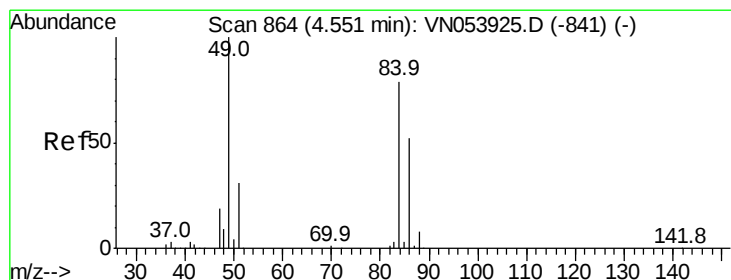
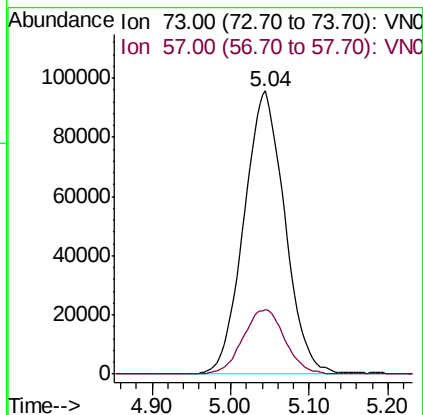
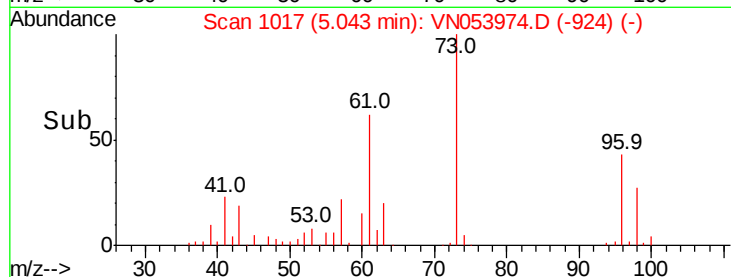
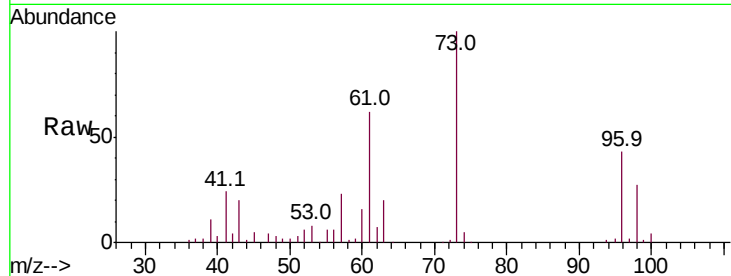




#19
Methvl tert-butvl Ether
Concen: 20.354 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

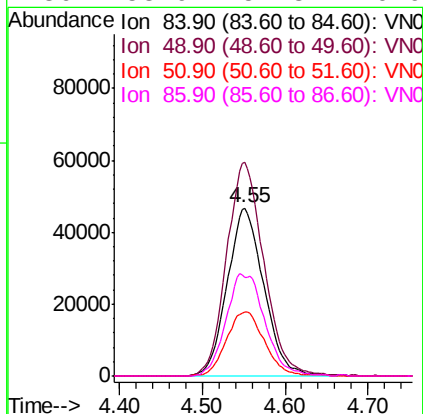
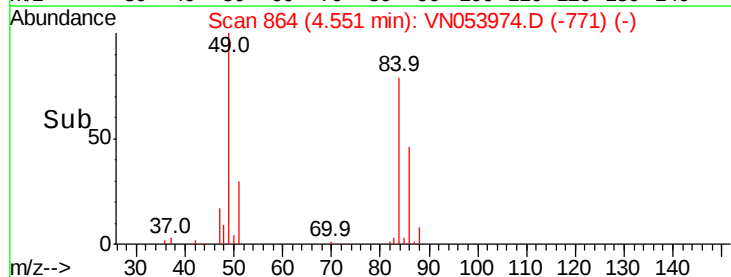
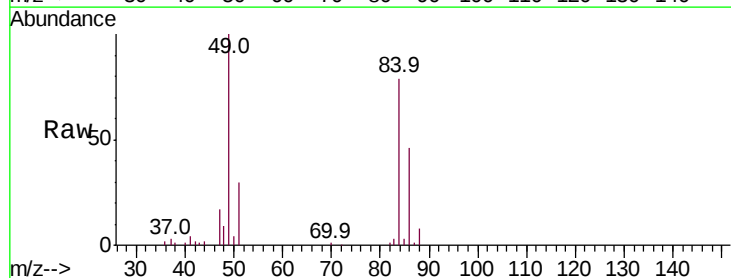
Instrument :
MSVOA_N
ClientSampled :

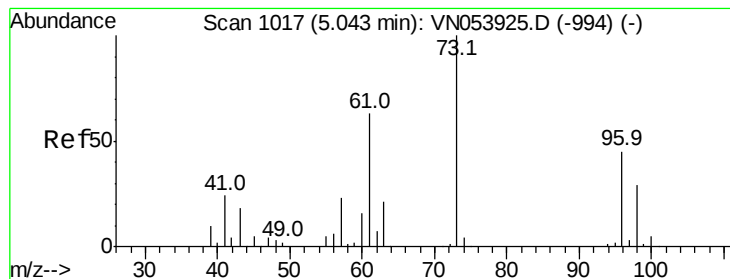
Tot Ion: 73 Resp: 349744
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0



#20
Methylene Chloride
Concen: 19.095 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion: 84 Resp: 143753
Ion Ratio Lower Upper
84 100
49 126.7 89.7 134.5
51 37.8 27.8 41.8
86 58.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.081 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :

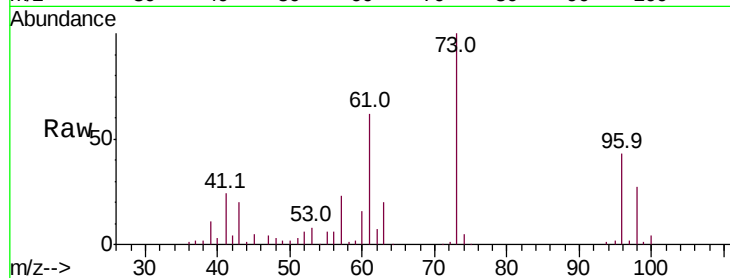
Tot Ion: 96 Resp: 132285

Ion Ratio Lower Upper

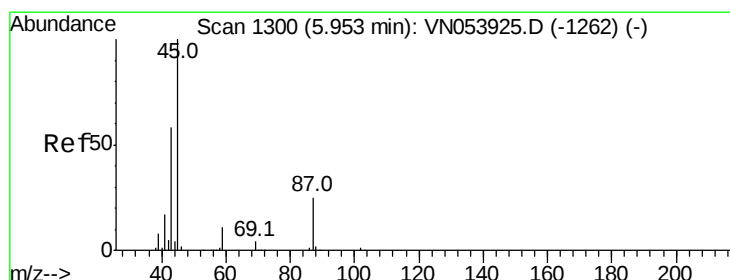
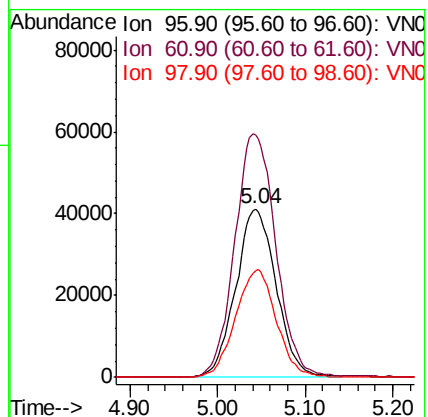
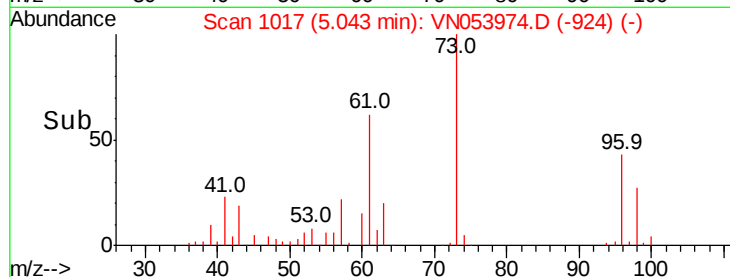
96 100

61 144.3 104.5 156.7

98 63.4 50.6 76.0



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



#22

Diisopropyl ether

Concen: 20.589 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Tgt Ion: 45 Resp: 446234

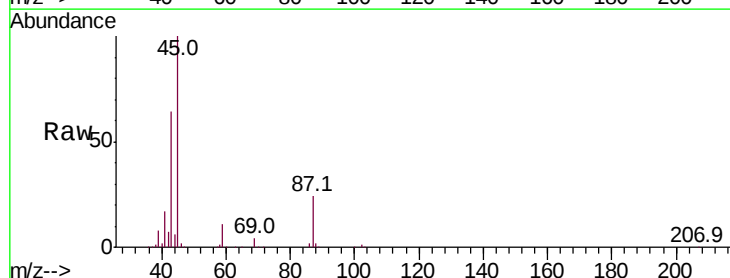
Ion Ratio Lower Upper

45 100

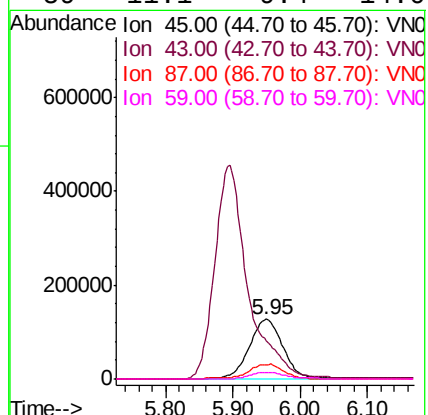
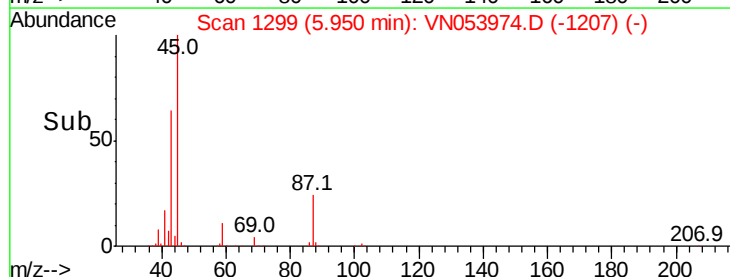
43 60.9 46.2 69.4

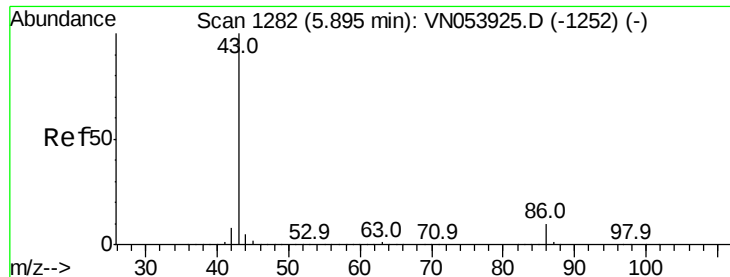
87 23.9 23.4 35.0

59 11.1 9.4 14.0



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

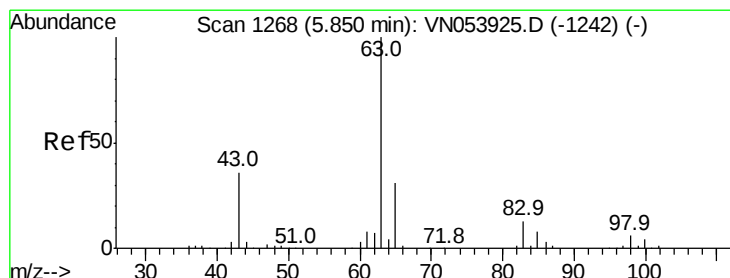
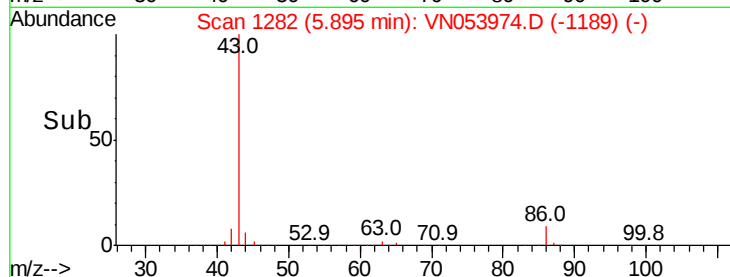
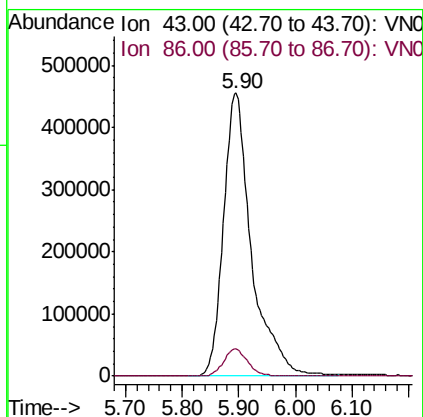
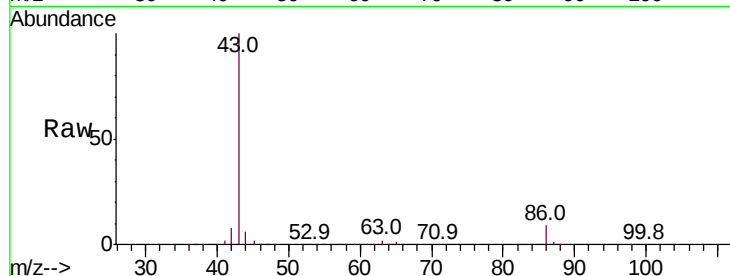




#23
 Vinyl Acetate
 Concen: 101.041 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

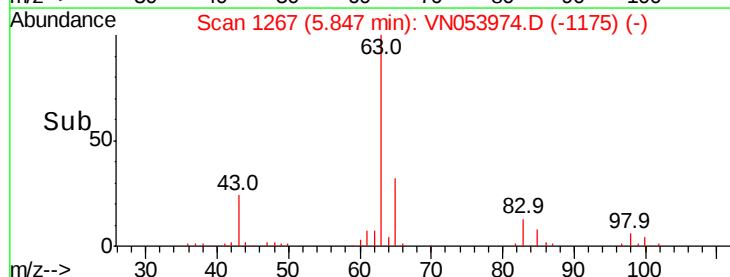
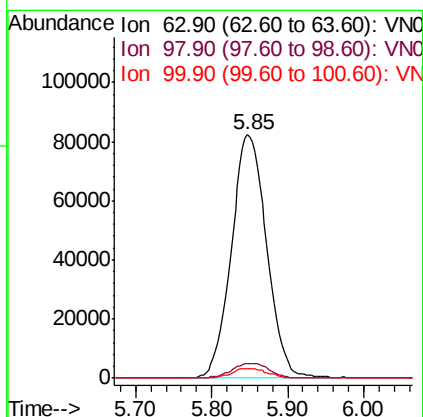
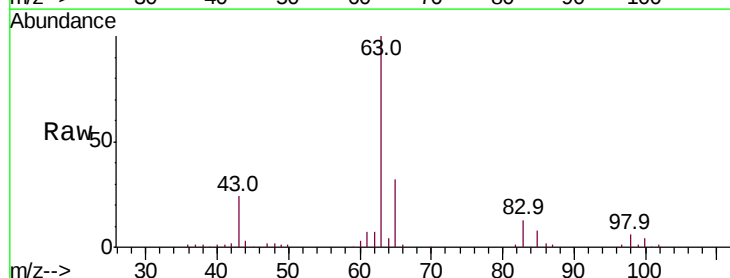
Instrument :
 MSVOA_N
 ClientSampled :

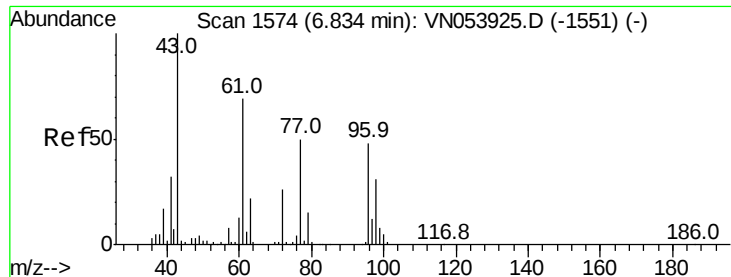
Tot Ion: 43 Resp: 1575414
 Ion Ratio Lower Upper
 43 100
 86 9.5 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 19.964 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Tgt Ion: 63 Resp: 265353
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.4 10.2
 100 4.1 2.2 6.6

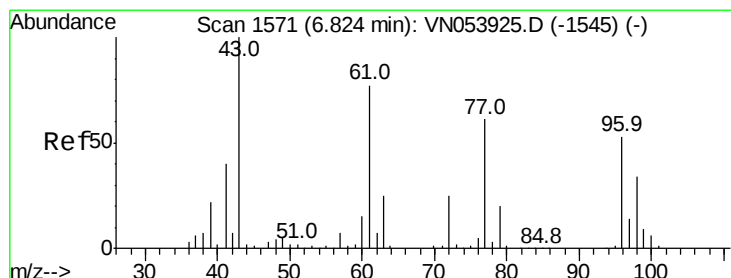
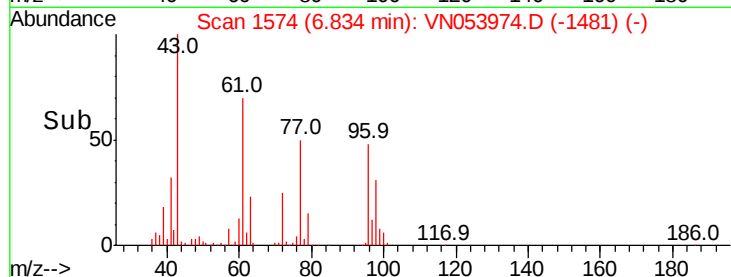
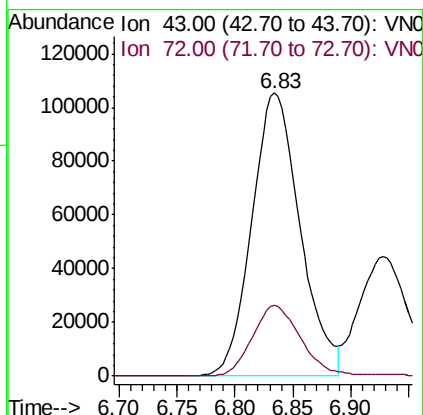
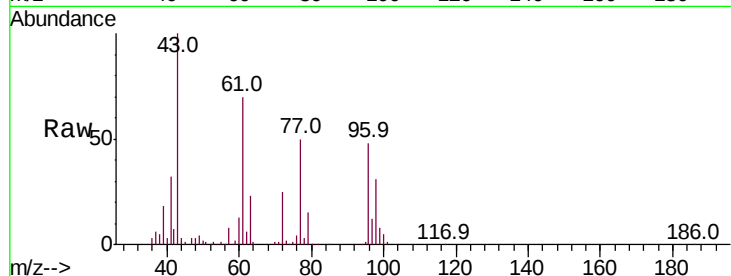




#25
2-Butanone
Concen: 101.927 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

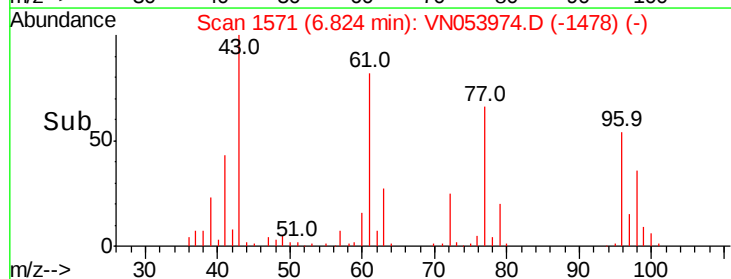
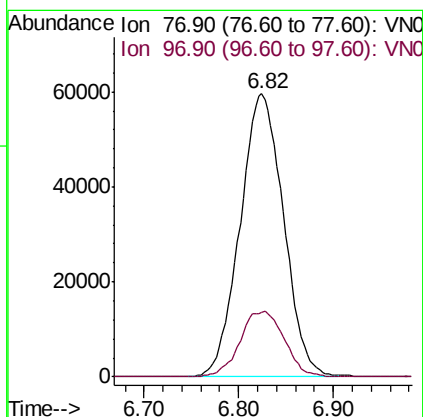
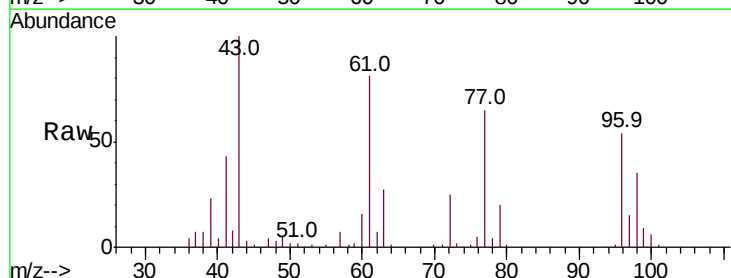
Instrument :
MSVOA_N
ClientSampled :

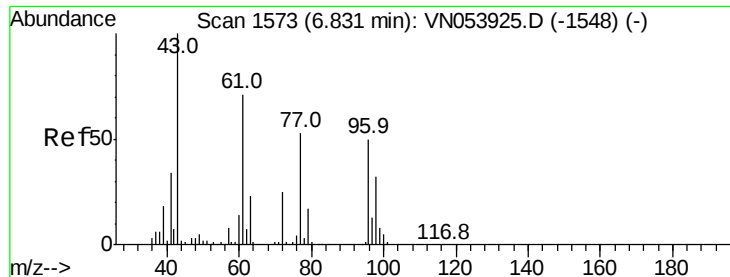
Tot Ion: 43 Resp: 304416
Ion Ratio Lower Upper
43 100
72 24.9 22.1 33.1



#26
2,2-Dichloropropane
Concen: 20.142 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion: 77 Resp: 190198
Ion Ratio Lower Upper
77 100
97 23.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 19.687 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

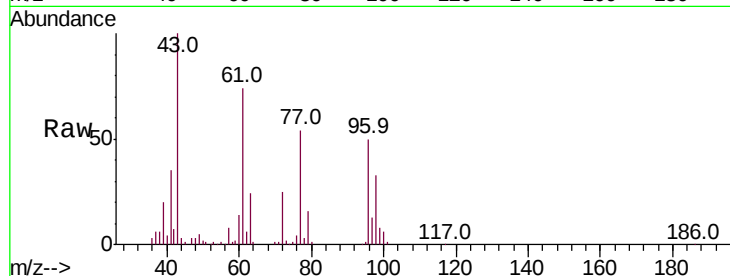
Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 151786

Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	275.6
98	64.1	0.0	130.0

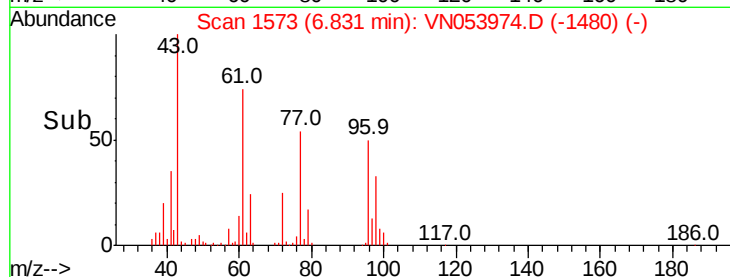


Abundance

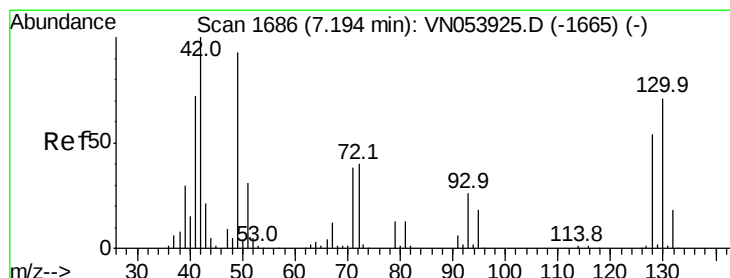
Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->



#28

Bromochloromethane

Concen: 20.806 ug/l

RT: 7.19 min Scan# 1686

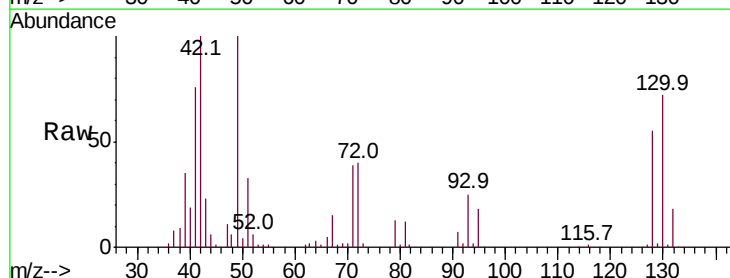
Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Tgt Ion: 49 Resp: 126581

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.6
130	72.1	72.9	109.3#

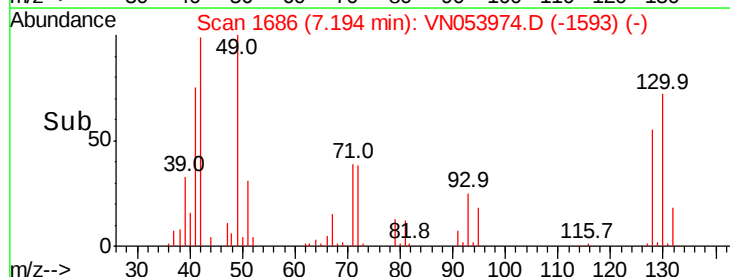


Abundance

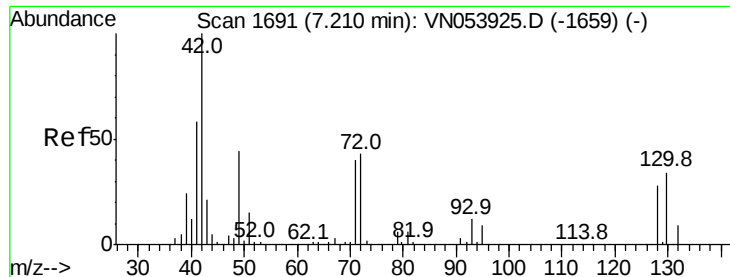
Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



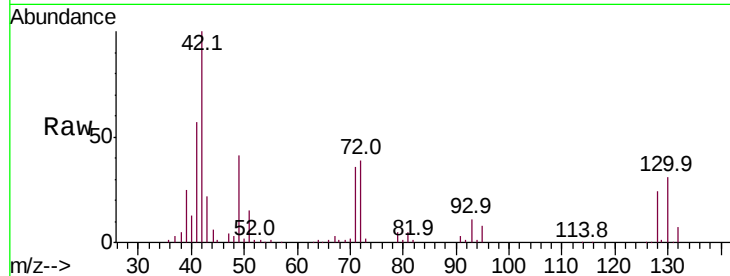
Time-->



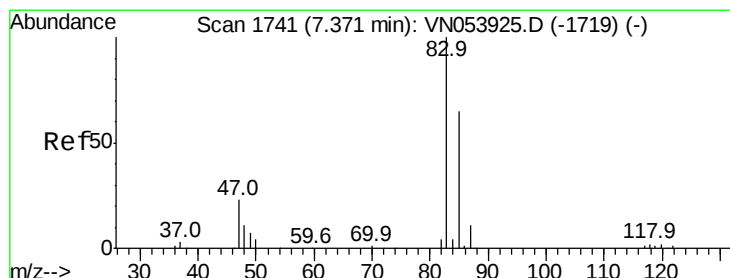
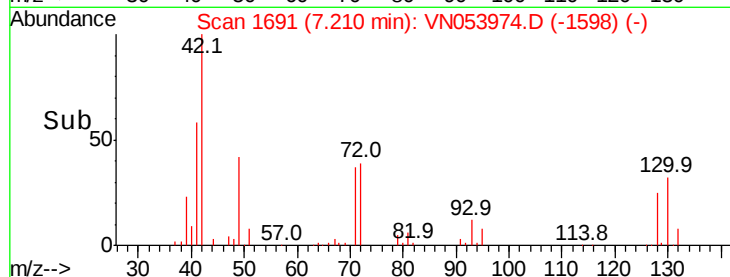
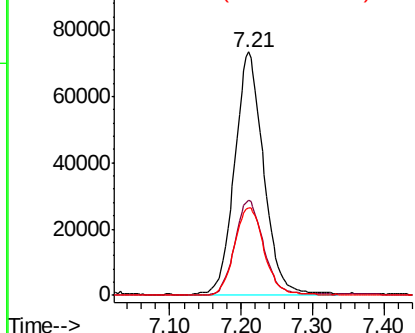
#29
Tetrahydrofuran
Concen: 104.480 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 207798
Ion Ratio Lower Upper
42 100
72 38.9 36.9 55.3
71 37.2 34.6 52.0

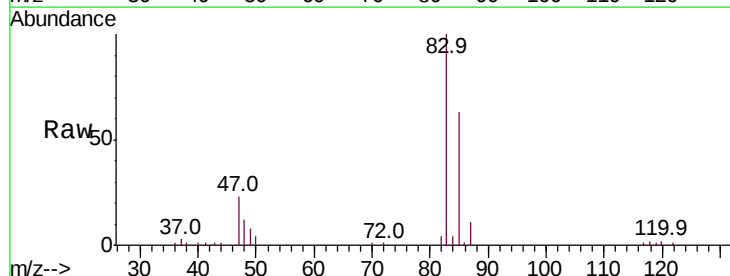


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

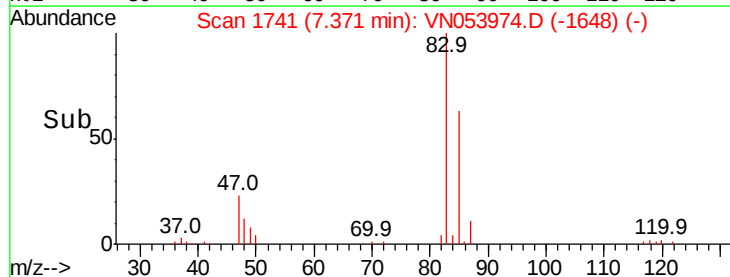
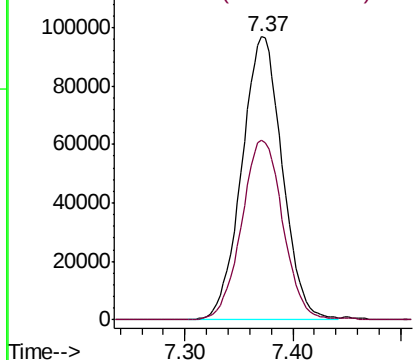


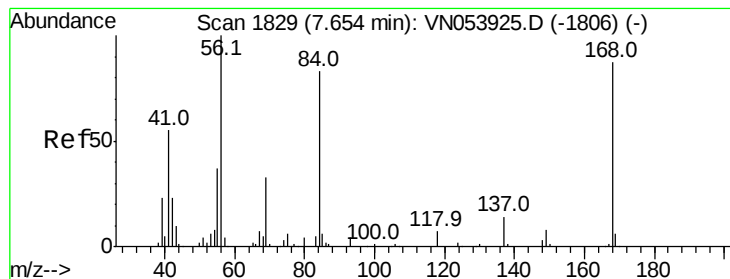
#30
Chloroform
Concen: 19.596 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion: 83 Resp: 252546
Ion Ratio Lower Upper
83 100
85 63.5 52.6 78.8



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





#31

Cyclohexane

Concen: 19.917 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :
MSVOA_N
ClientSampled :

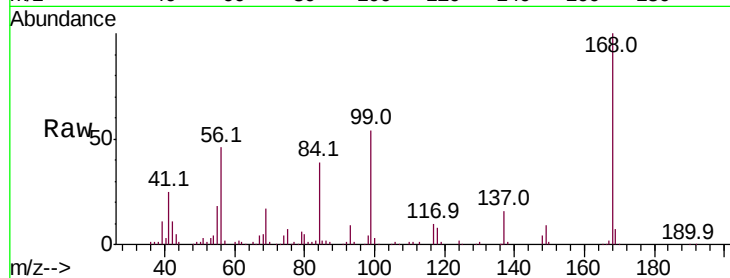
Tot Ion: 56 Resp: 245261

Ion Ratio Lower Upper

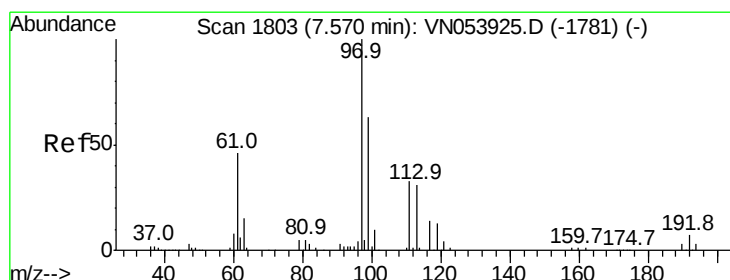
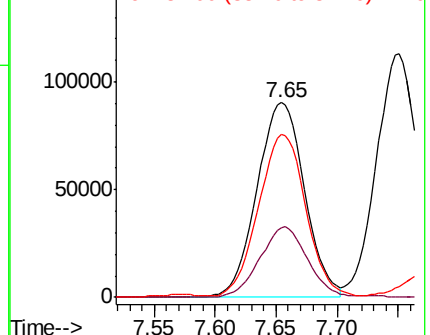
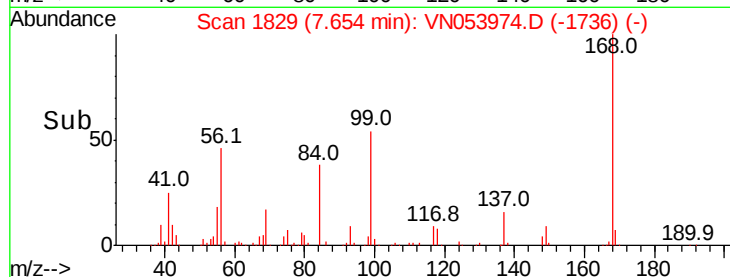
56 100

69 35.7 26.0 39.0

84 82.7 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: 19.441 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

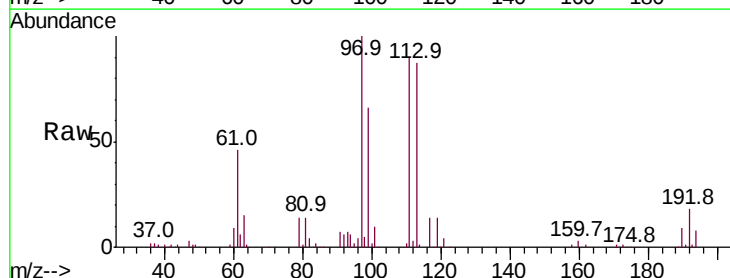
Tgt Ion: 97 Resp: 206592

Ion Ratio Lower Upper

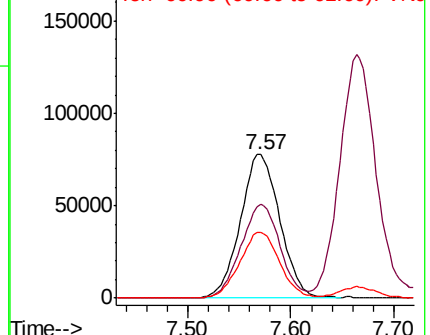
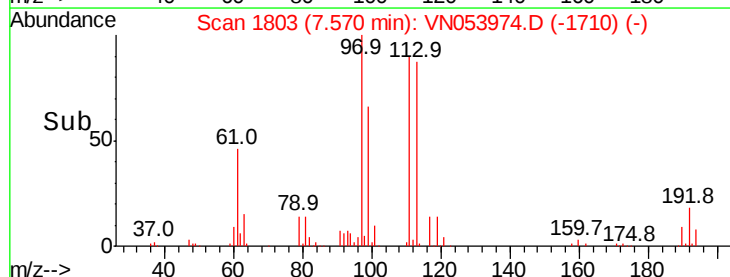
97 100

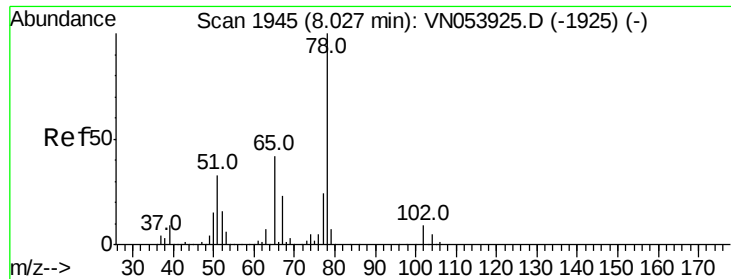
99 64.8 51.8 77.8

61 46.4 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

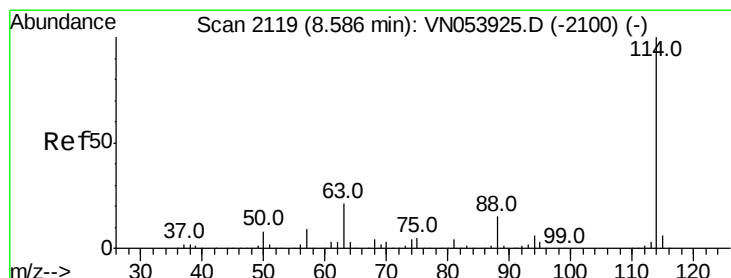
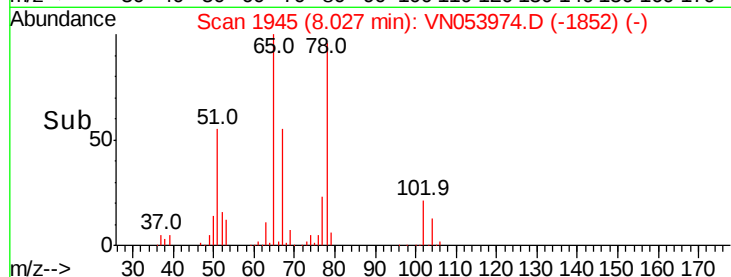
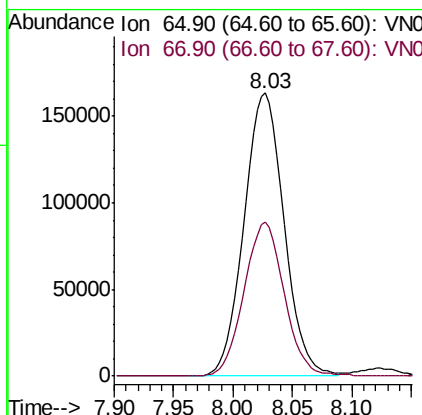
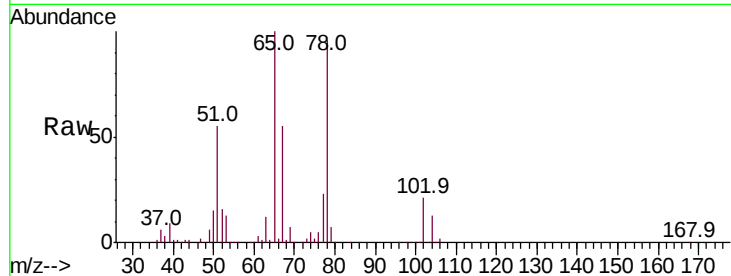




#33
 1,2-Dichloroethane-d4
 Concen: 50.112 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

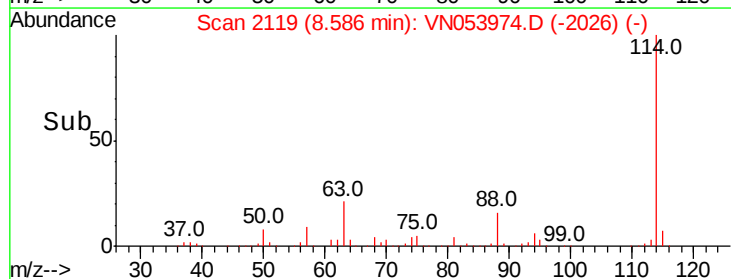
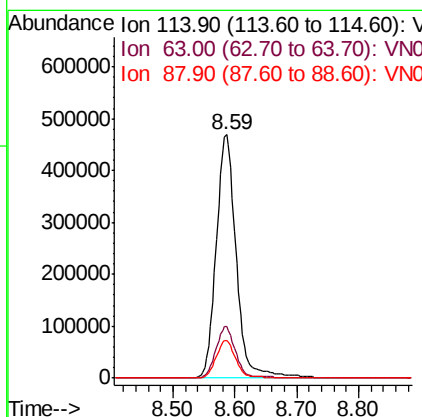
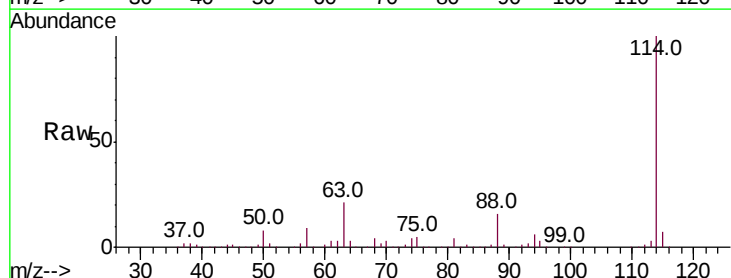
Instrument :
 MSVOA_N
 ClientSampleId :

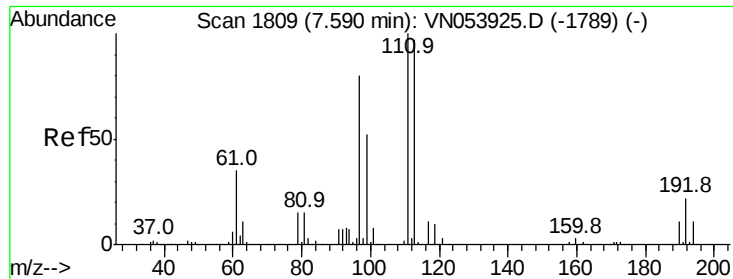
Tot Ion: 65 Resp: 381171
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Tgt Ion: 114 Resp: 1057839
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 37.4
 88 15.6 0.0 30.4

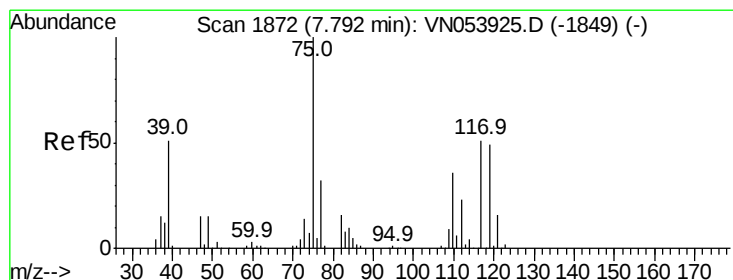
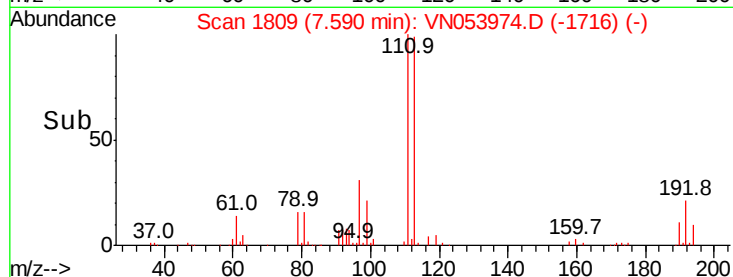
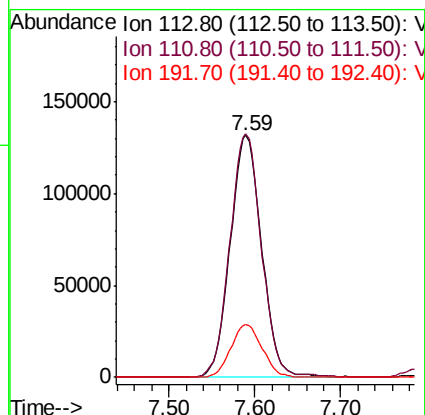
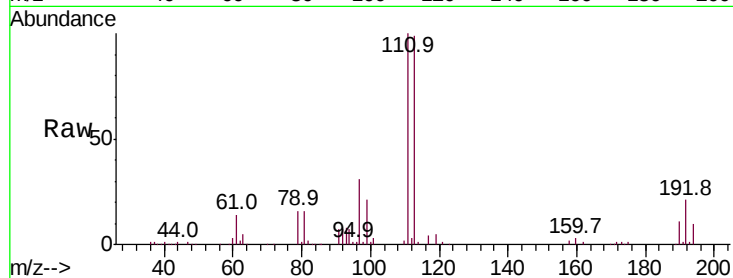




#35
 Dibromofluoromethane
 Concen: 48.886 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

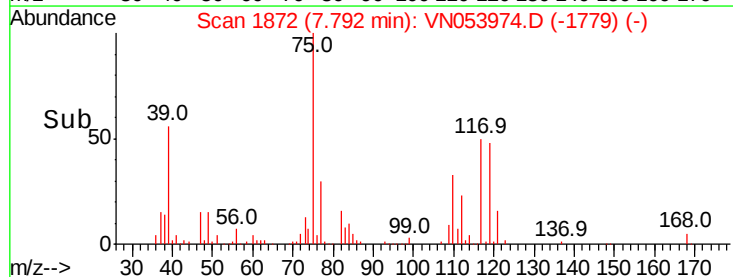
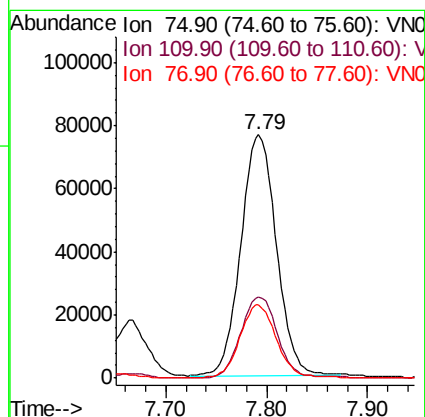
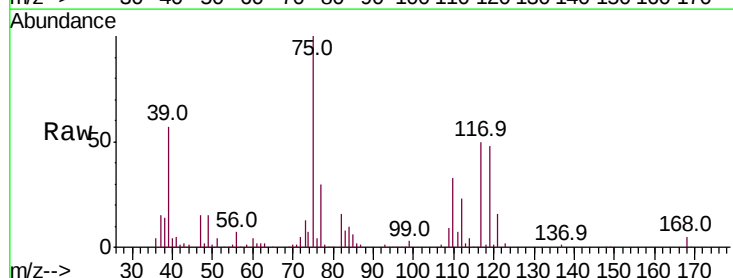
Instrument :
 MSVOA_N
 ClientSampleId :

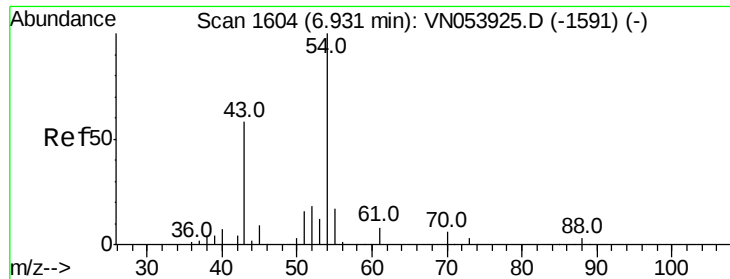
Tot Ion:113 Resp: 334407
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.1 121.7
 192 21.8 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 19.102 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Tgt Ion: 75 Resp: 187914
 Ion Ratio Lower Upper
 75 100
 110 34.9 19.0 57.0
 77 31.1 25.4 38.0

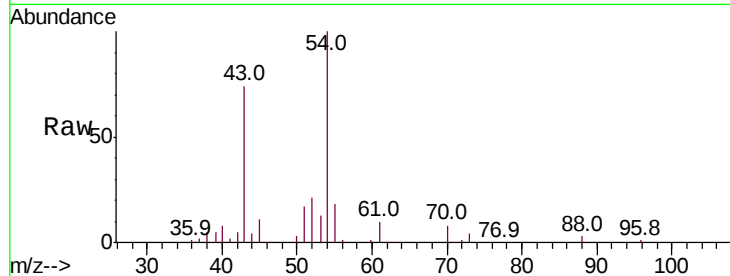




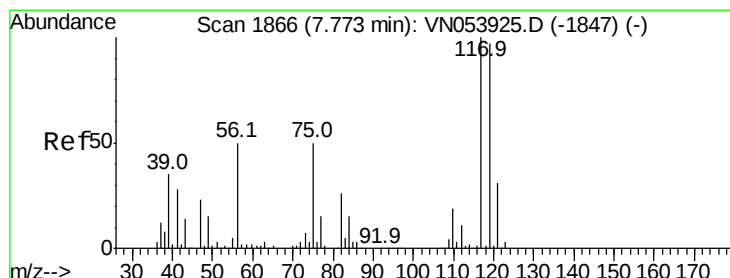
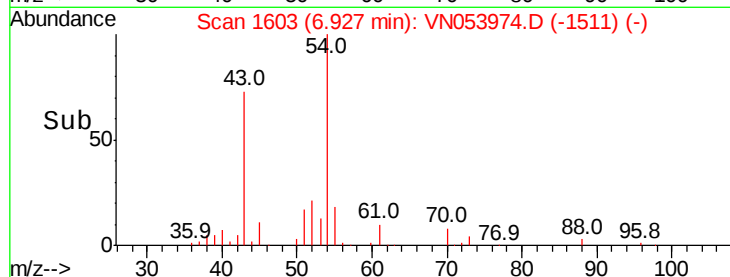
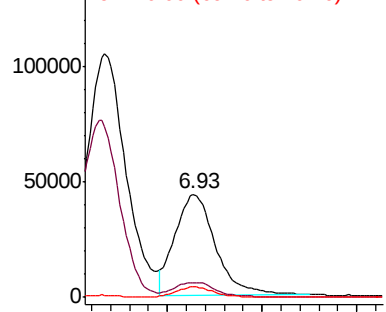
#37
Ethyl Acetate
Concen: 18.725 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 131531
Ion Ratio Lower Upper
43 100
61 14.4 12.0 18.0
70 9.6 8.7 13.1

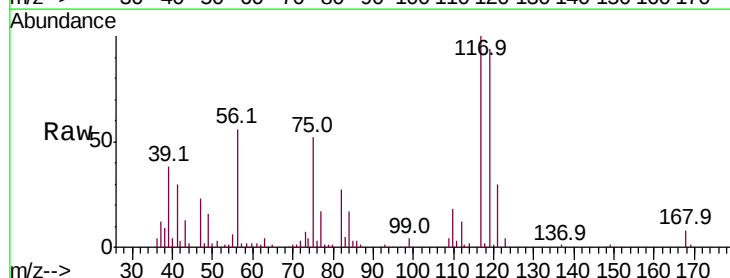


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

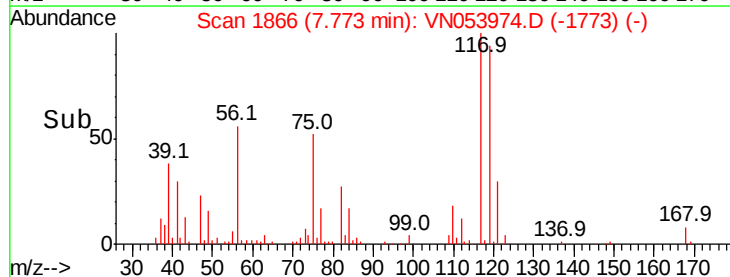
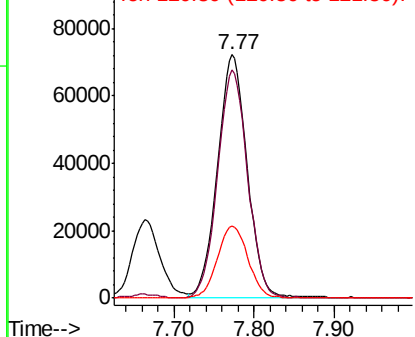


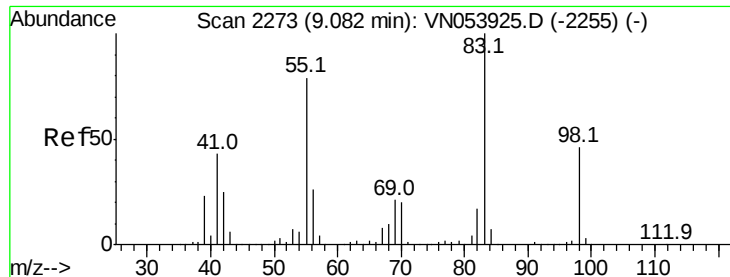
#38
Carbon Tetrachloride
Concen: 18.111 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion: 117 Resp: 185297
Ion Ratio Lower Upper
117 100
119 93.8 76.2 114.2
121 29.6 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

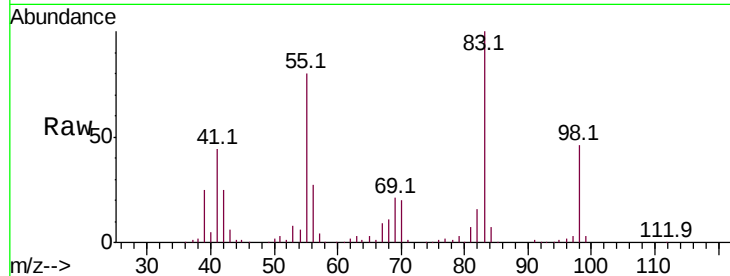




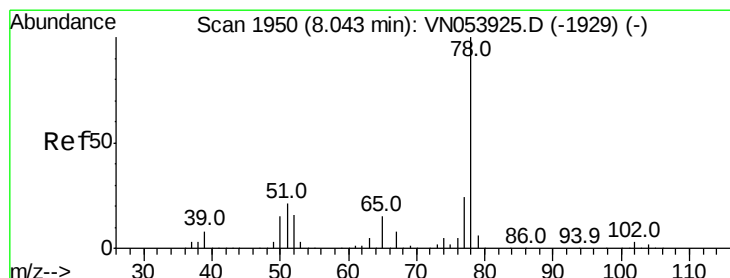
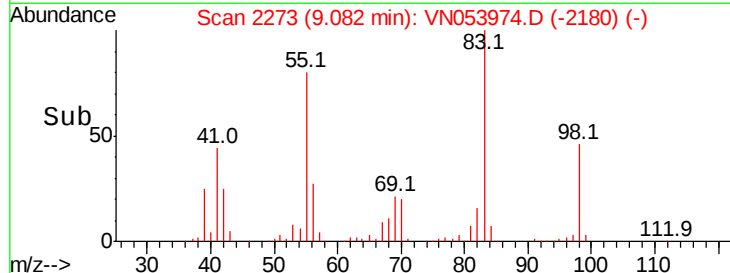
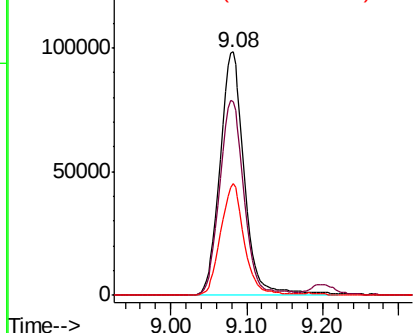
#39
Methvlcvclohexane
Concen: 18.553 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 219991
Ion Ratio Lower Upper
83 100
55 79.7 58.2 87.4
98 45.7 37.2 55.8

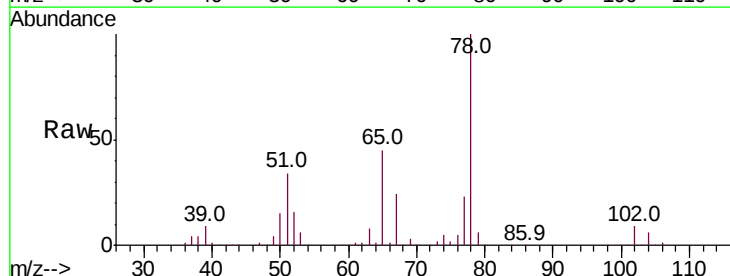


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

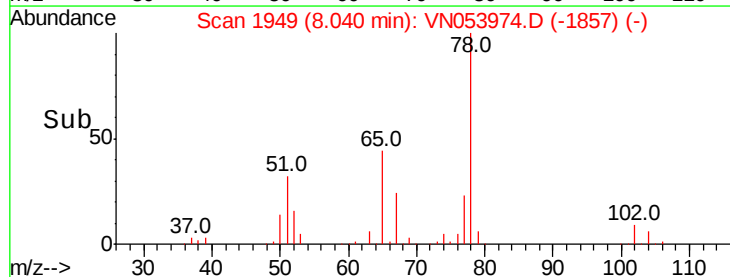
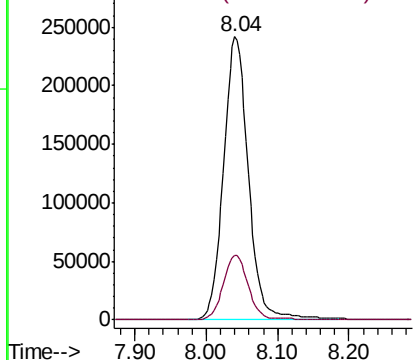


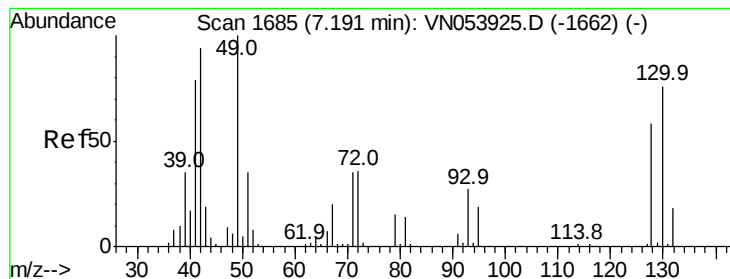
#40
Benzene
Concen: 19.429 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion: 78 Resp: 587170
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





#41

Methacrylonitrile

Concen: 15.626 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 70678

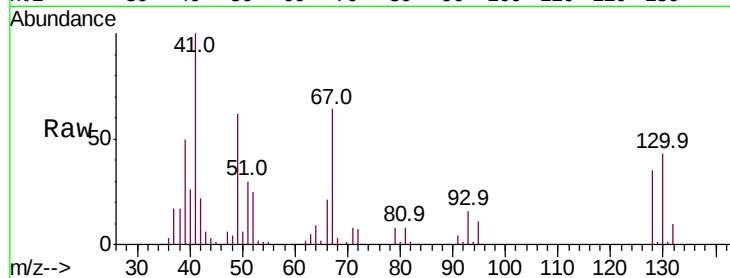
Ion Ratio Lower Upper

41 100

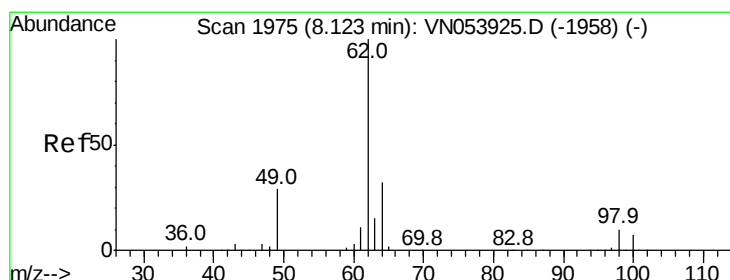
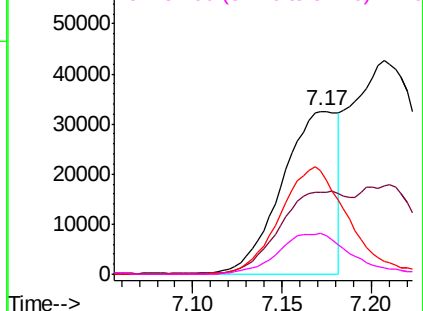
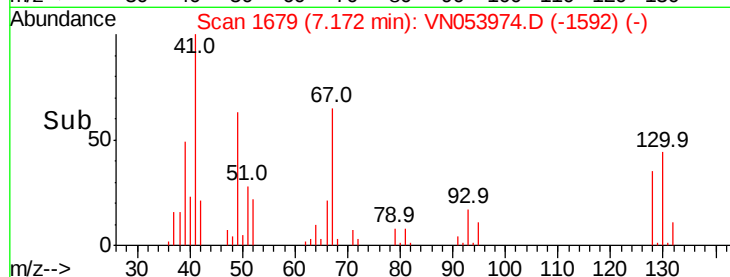
39 59.5 0.0 0.0#

67 81.2 0.0 0.0#

52 33.1 0.0 0.0#



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



#42

1,2-Dichloroethane

Concen: 19.586 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN053974.D

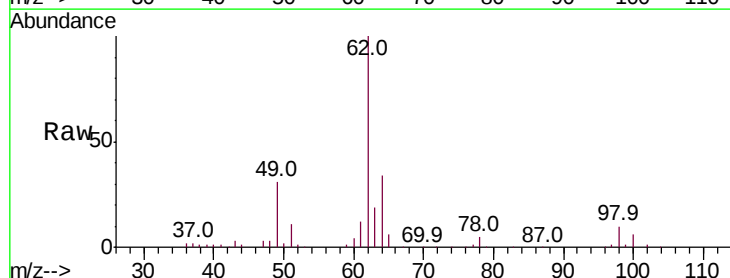
Acq: 27 Feb 2019 17:57

Tgt Ion: 62 Resp: 183254

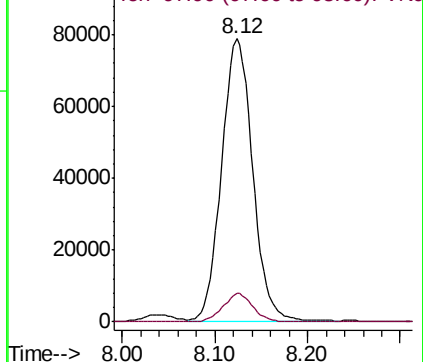
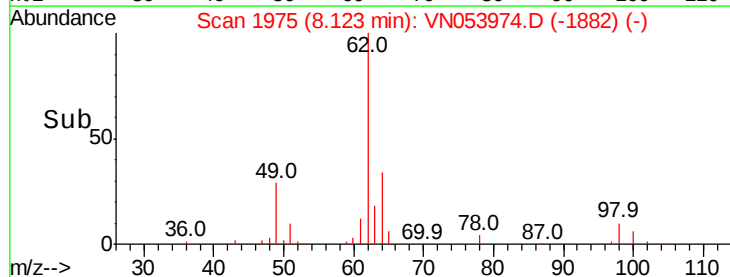
Ion Ratio Lower Upper

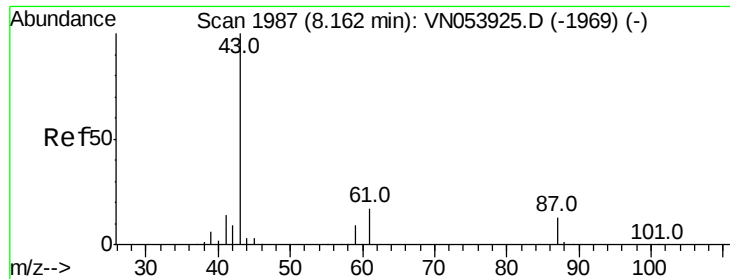
62 100

98 9.8 0.0 20.8



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





#43

Isopropyl Acetate

Concen: 19.240 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

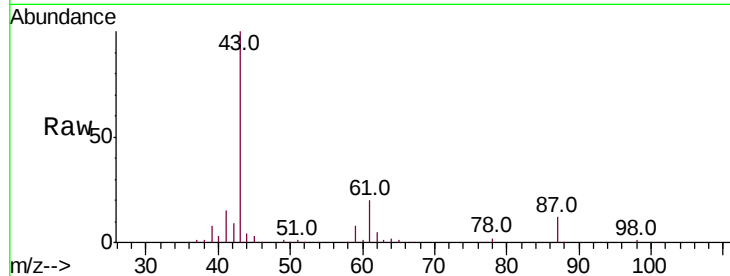
Tot Ion: 43 Resp: 228190

Ion Ratio Lower Upper

43 100

61 18.4 17.4 26.0

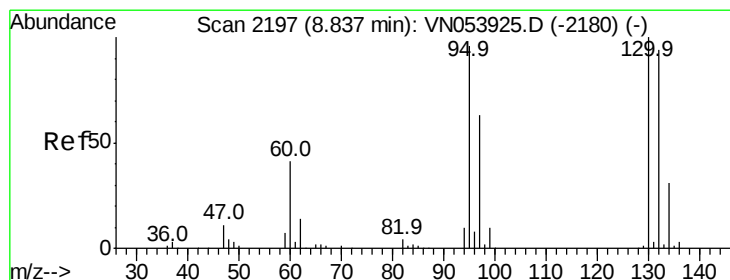
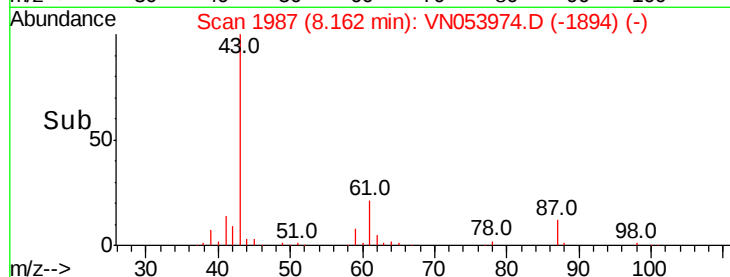
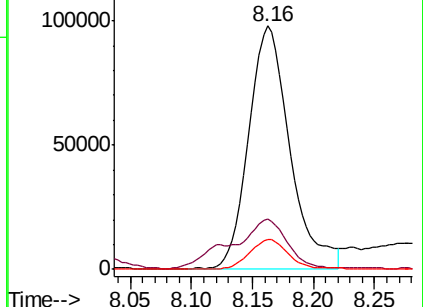
87 11.5 11.5 17.3#



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

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

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



#44

Trichloroethene

Concen: 18.782 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053974.D

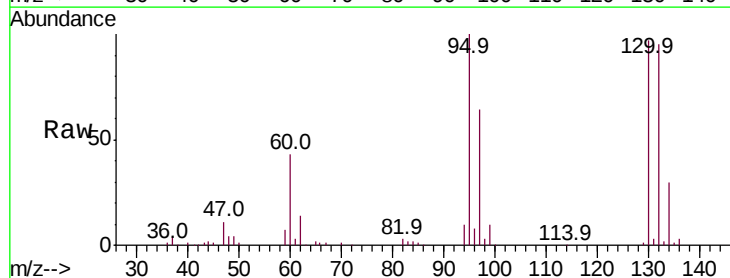
Acq: 27 Feb 2019 17:57

Tgt Ion:130 Resp: 150483

Ion Ratio Lower Upper

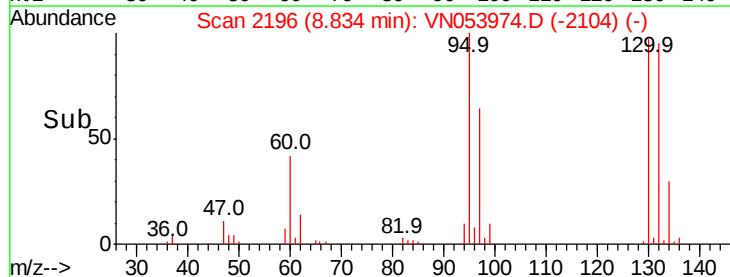
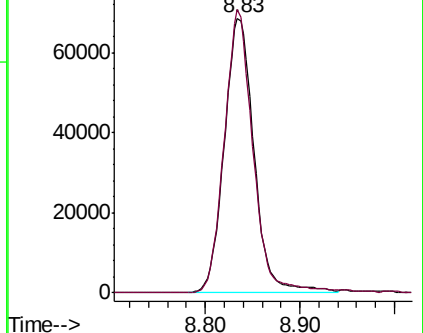
130 100

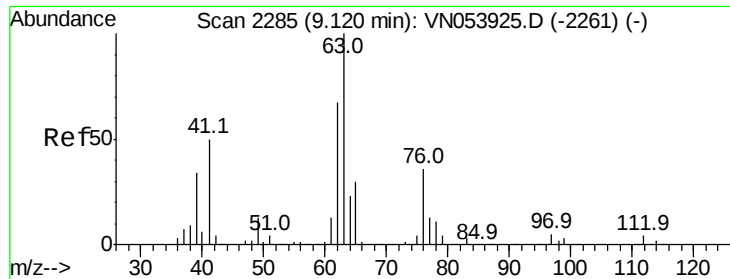
95 102.9 0.0 190.0



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

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





#45

1,2-Dichloropropane

Concen: 19.344 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

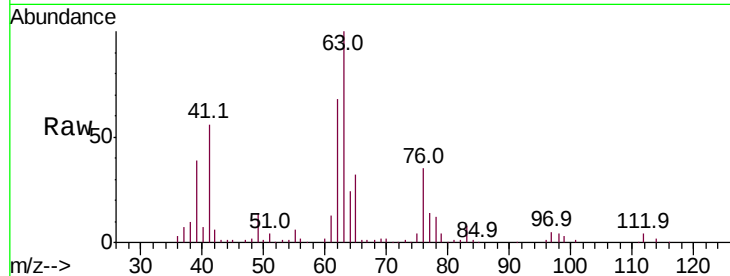
ClientSampleId :

Tot Ion: 63 Resp: 157720

Ion Ratio Lower Upper

63 100

65 31.7 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

80000

60000

40000

20000

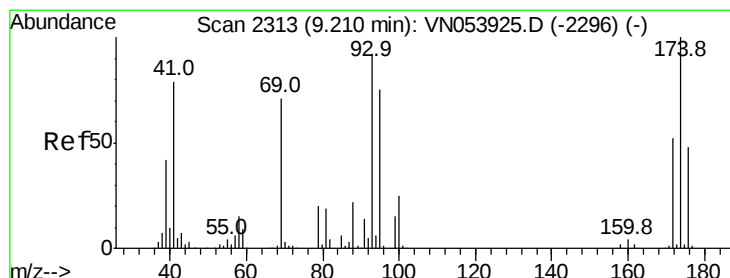
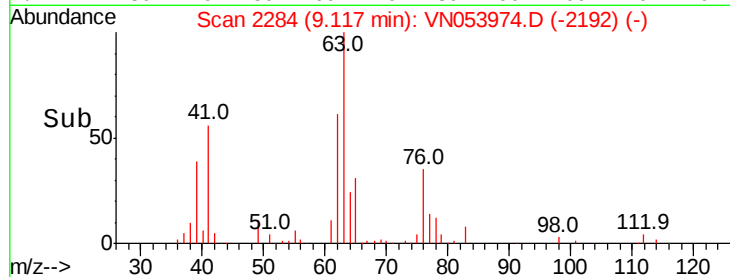
0

Time-->

9.00

9.10

9.20



#46

Dibromomethane

Concen: 19.172 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

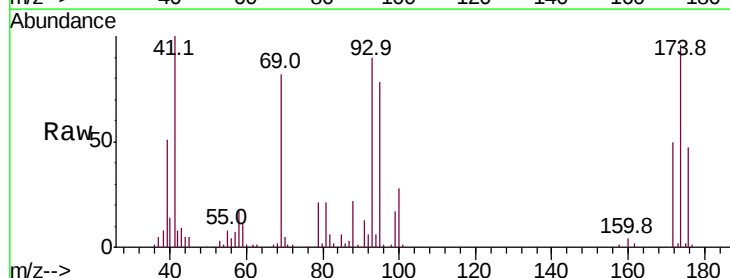
Tgt Ion: 93 Resp: 90751

Ion Ratio Lower Upper

93 100

95 86.0 66.6 100.0

174 107.4 96.2 144.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

30000

20000

10000

0

Time-->

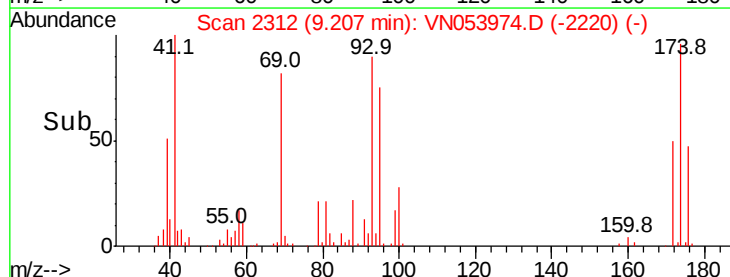
9.10

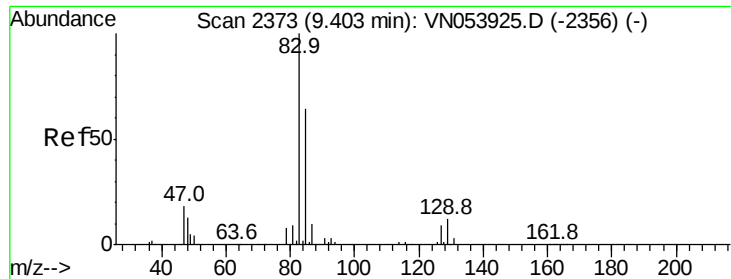
9.15

9.20

9.25

9.30





#47

Bromodichloromethane

Concen: 19.439 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

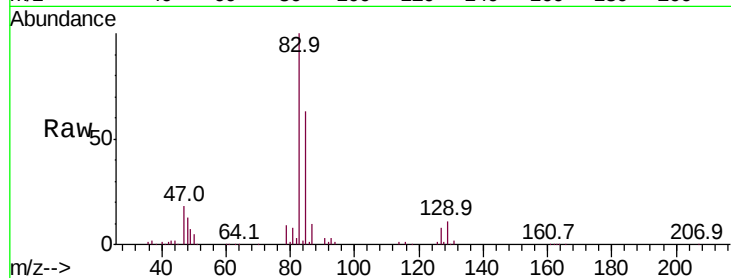
Tot Ion: 83 Resp: 193917

Ion Ratio Lower Upper

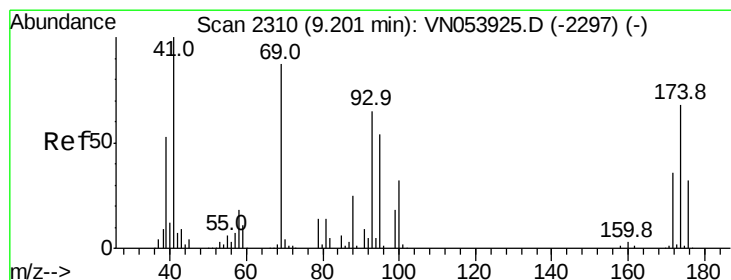
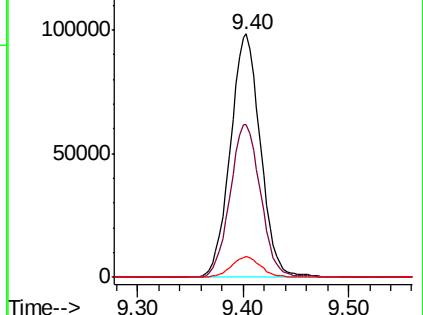
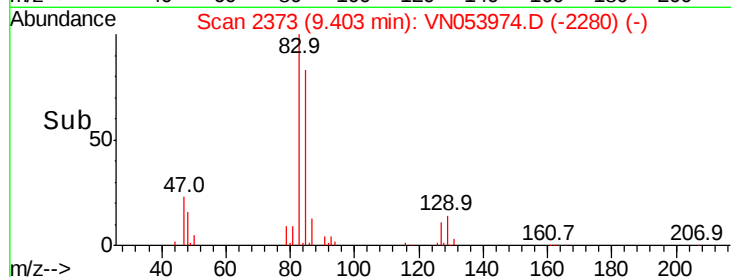
83 100

85 62.7 51.8 77.6

127 8.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN053974.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.596 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

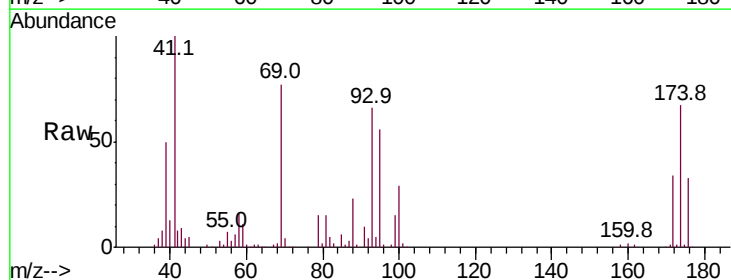
Tgt Ion: 41 Resp: 106900

Ion Ratio Lower Upper

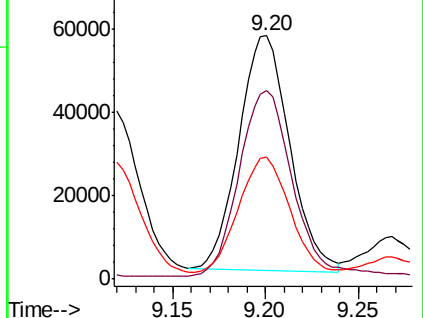
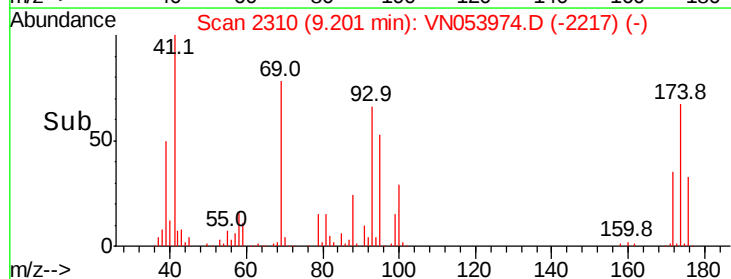
41 100

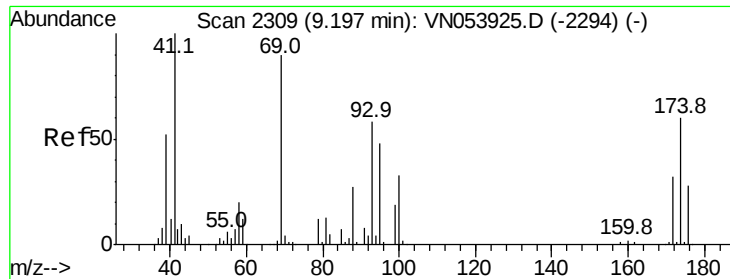
69 84.4 74.8 112.2

39 54.8 39.0 58.6



Abundance Ion 41.00 (40.70 to 41.70): VN053974.D (-2217) (-)

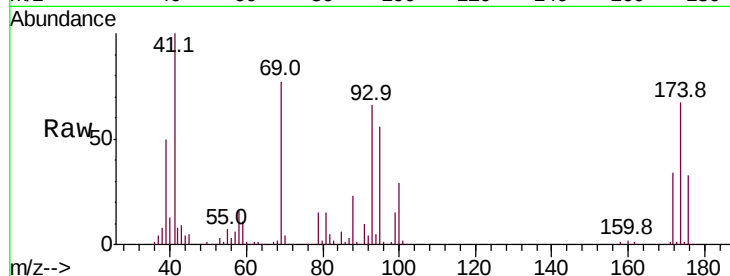




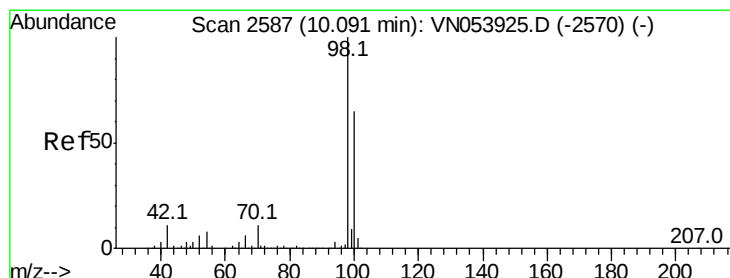
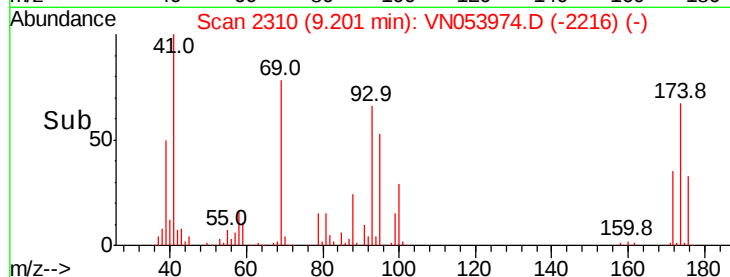
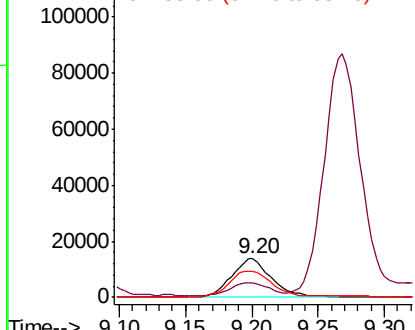
#49
 1,4-Dioxane
 Concen: 389.088 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 28749
 Ion Ratio Lower Upper
 88 100
 43 32.3 21.2 31.8#
 58 73.3 54.2 81.2

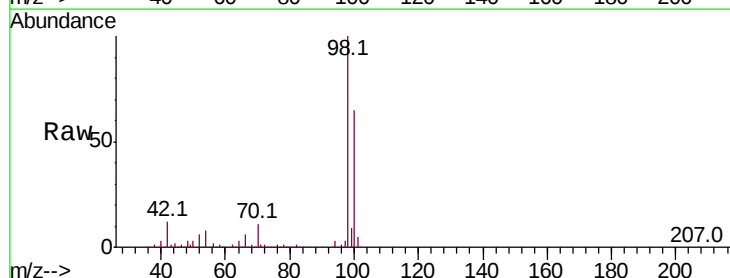


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

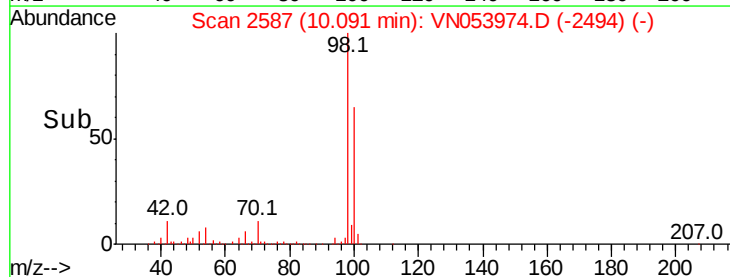
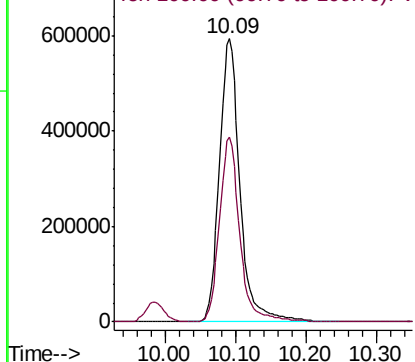


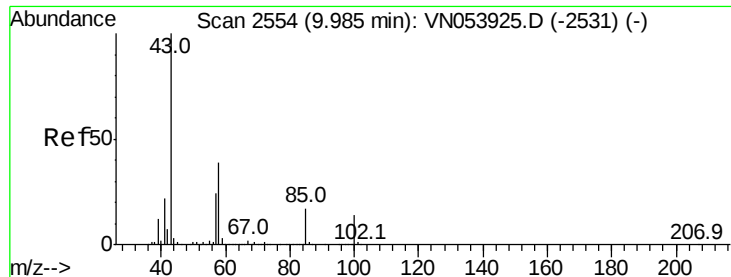
#50
 Toluene-d8
 Concen: 47.363 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Tgt Ion: 98 Resp: 1206081
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.9 77.9



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

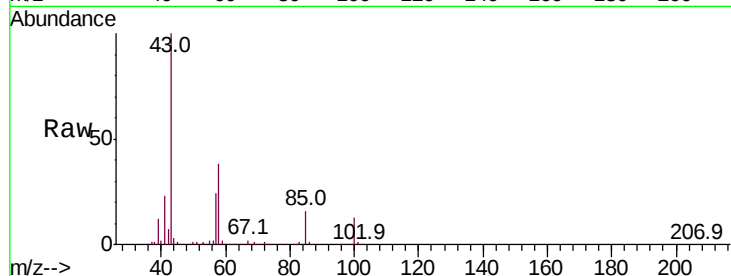




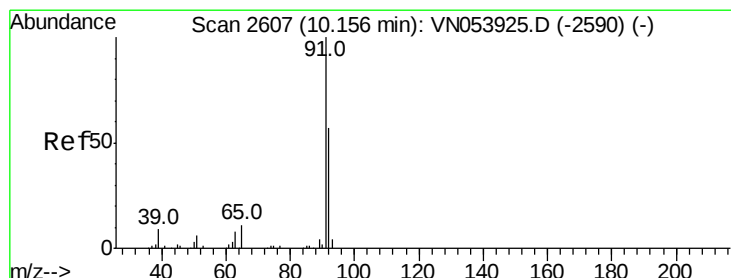
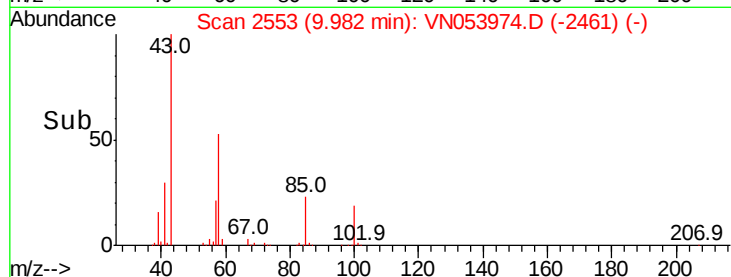
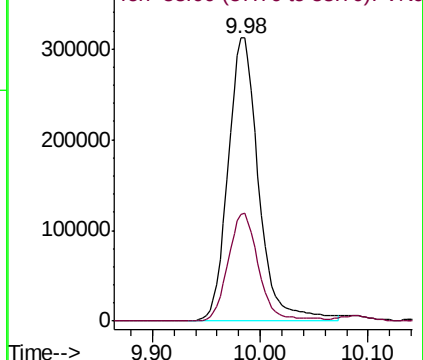
#51
4-Methyl-2-Pentanone
Concen: 101.041 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 615798
Ion Ratio Lower Upper
43 100
58 38.3 32.7 49.1

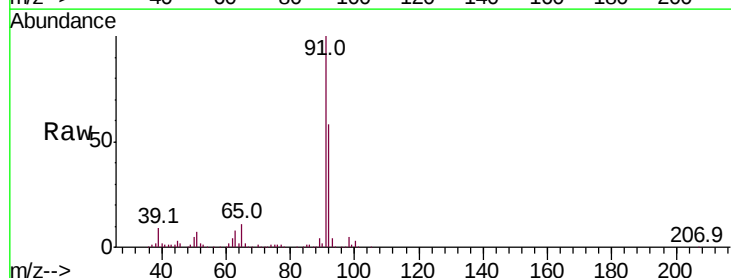


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

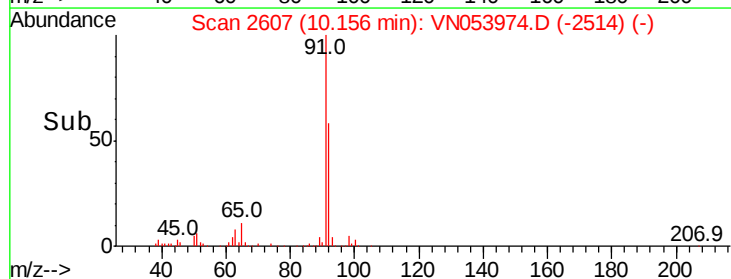
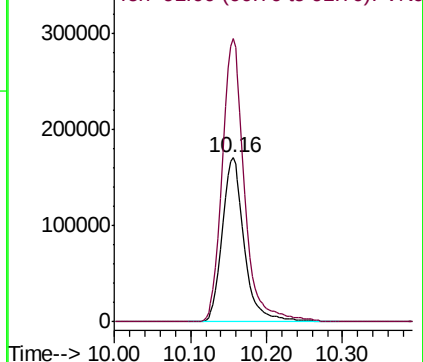


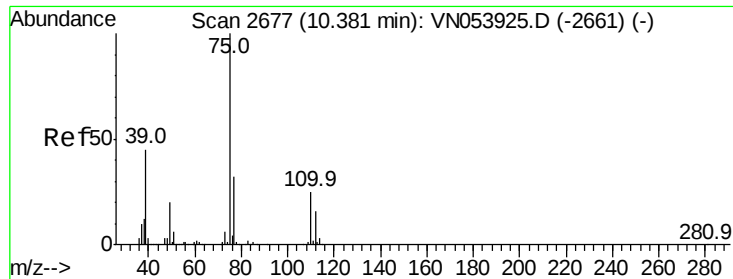
#52
Toluene
Concen: 19.444 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion: 92 Resp: 346004
Ion Ratio Lower Upper
92 100
91 174.1 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0
Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.088 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

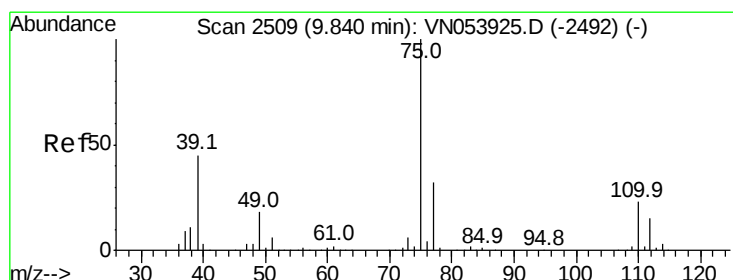
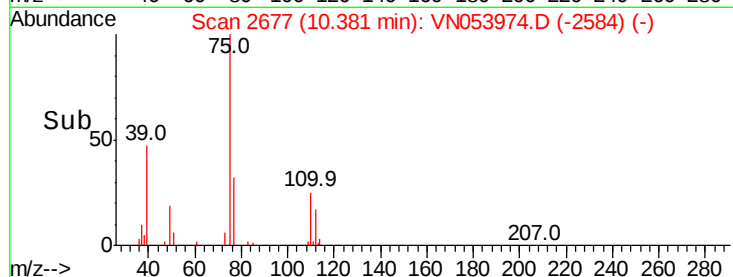
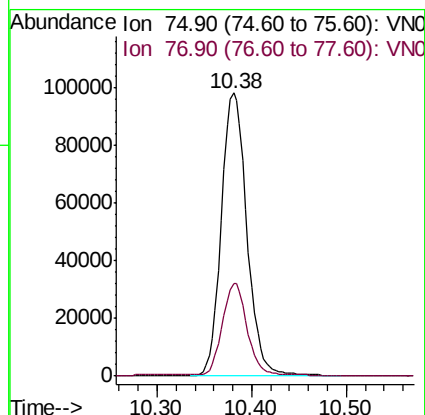
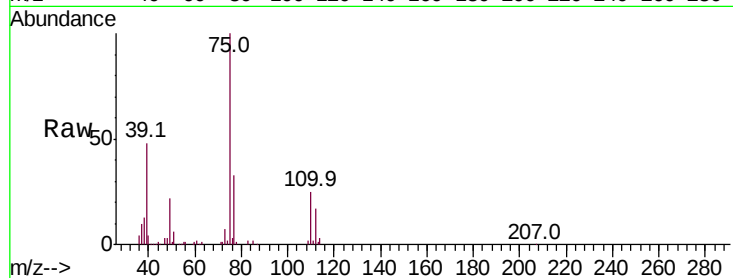
ClientSampled :

Tot Ion: 75 Resp: 185278

Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 19.095 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

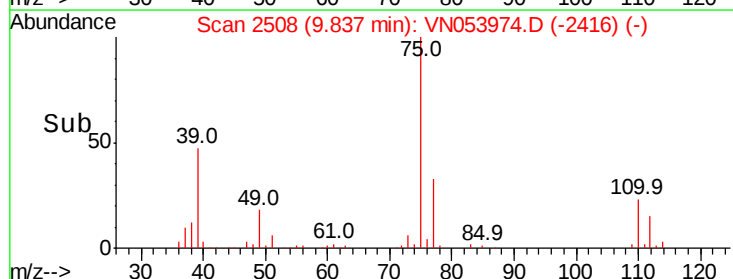
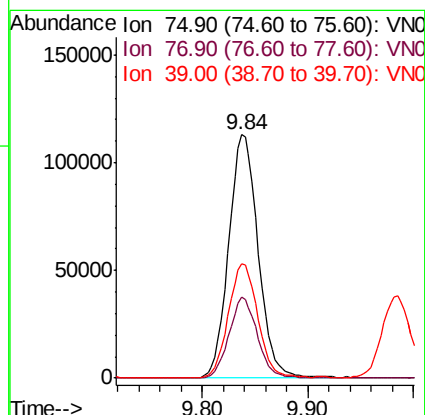
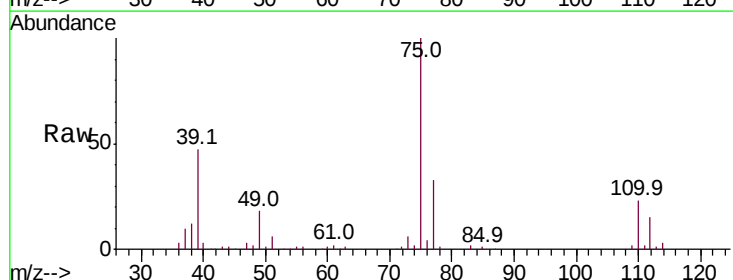
Tgt Ion: 75 Resp: 218493

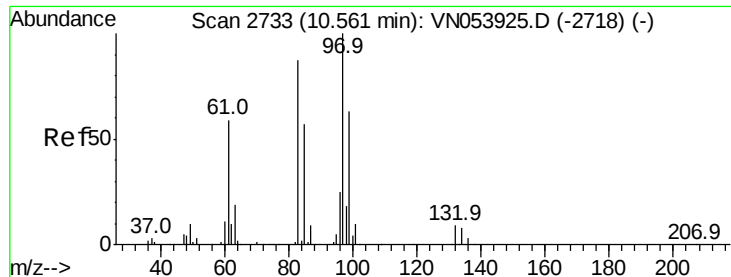
Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.6

39 46.7 31.4 47.0



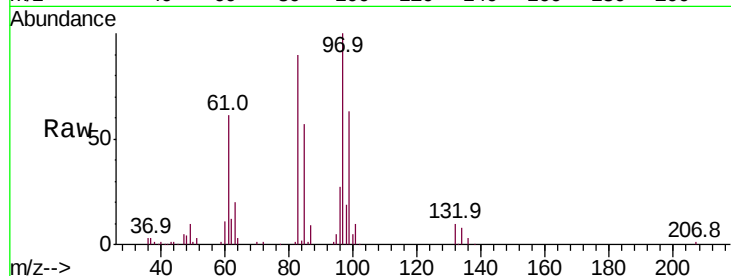


#55
 1,1,2-Trichloroethane
 Concen: 19.265 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

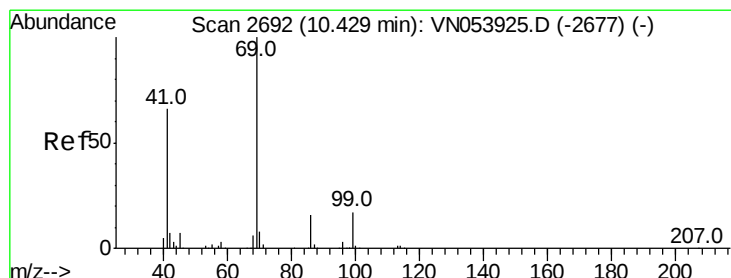
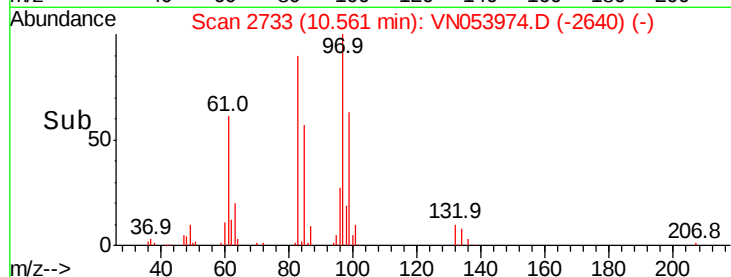
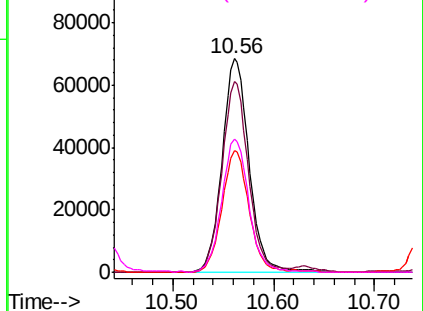
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 128033

Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.5	104.3
85	57.0	45.9	68.9
99	62.6	49.1	73.7



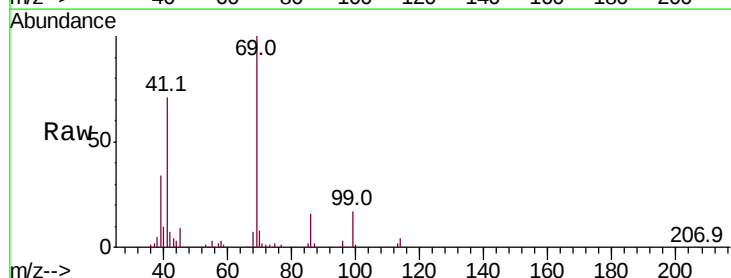
Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO



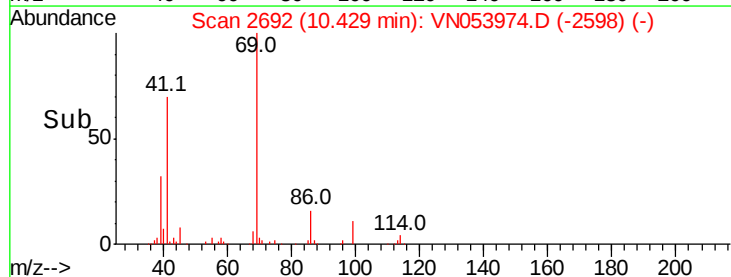
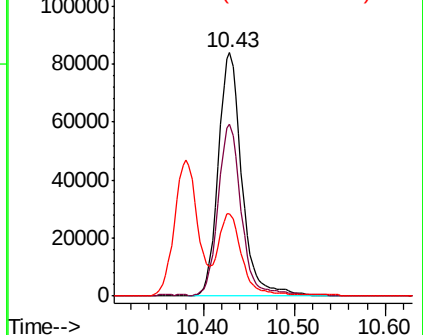
#56
 Ethyl methacrylate
 Concen: 18.616 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

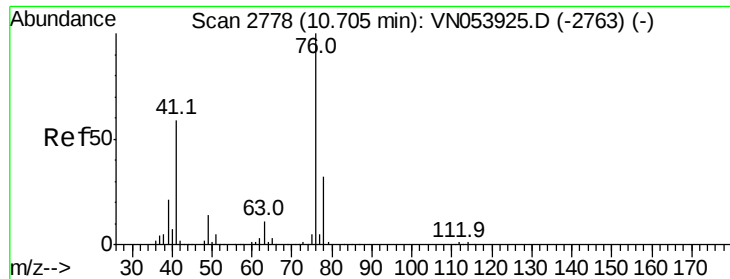
Tgt Ion: 69 Resp: 151089

Ion	Ratio	Lower	Upper
69	100		
41	71.1	47.5	71.3
39	33.8	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: 19.568 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

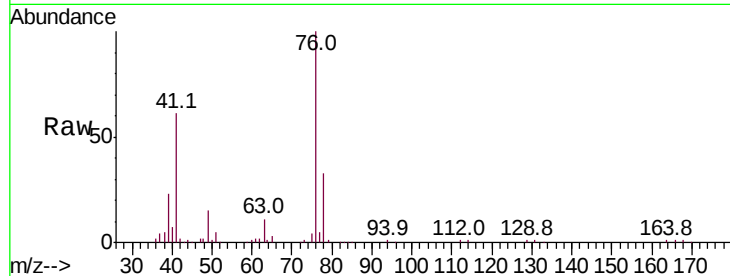
ClientSampled :

Tot Ion: 76 Resp: 219725

Ion Ratio Lower Upper

76 100

78 31.7 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

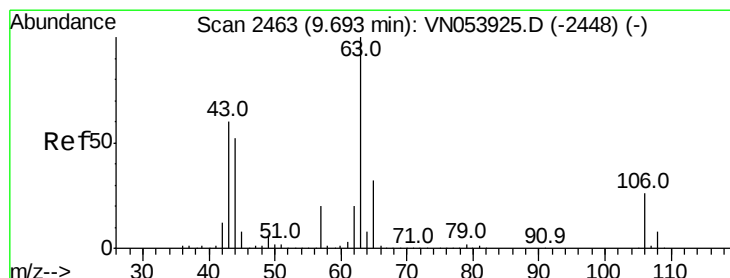
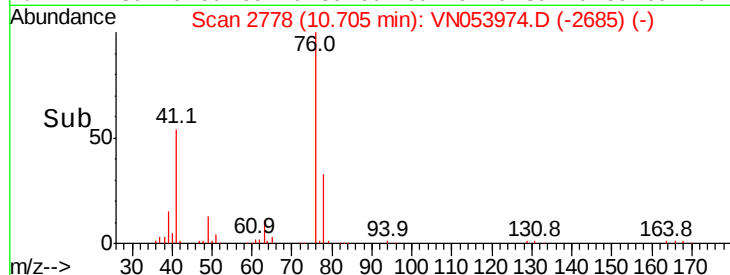
10.71

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 93.190 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053974.D

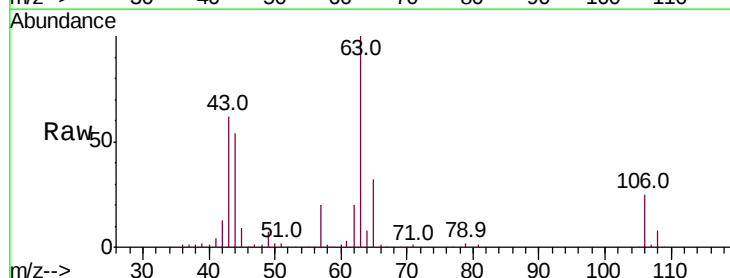
Acq: 27 Feb 2019 17:57

Tgt Ion: 63 Resp: 341421

Ion Ratio Lower Upper

63 100

106 24.6 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

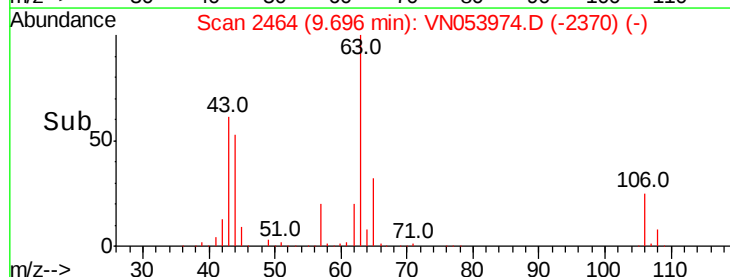
150000

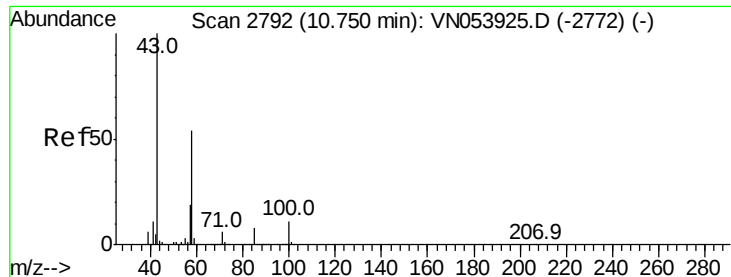
100000

50000

0

Time--> 9.60 9.70 9.80

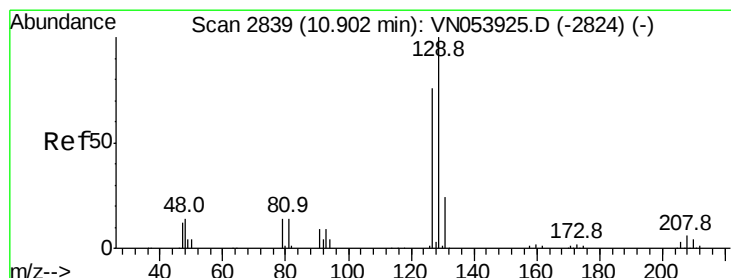
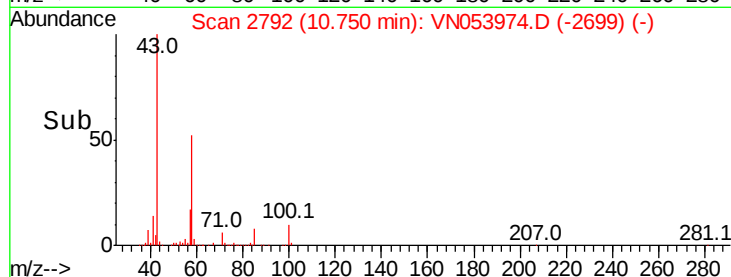
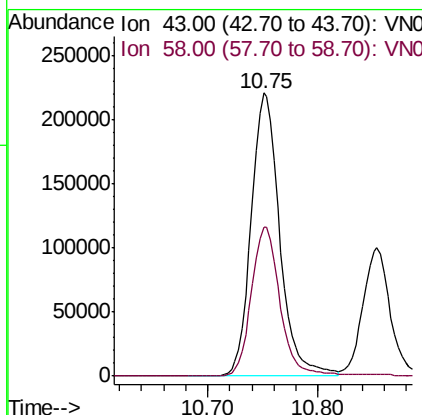
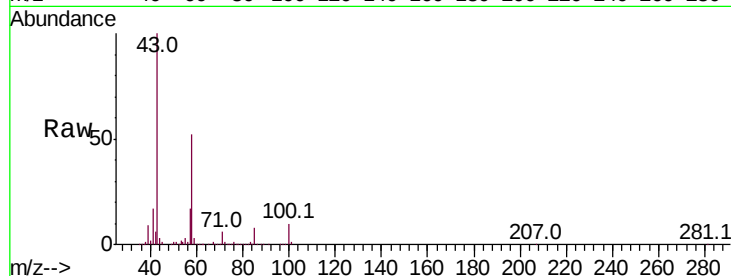




#59
2-Hexanone
Concen: 99.495 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

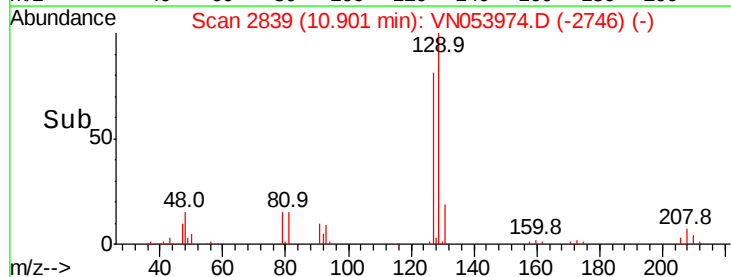
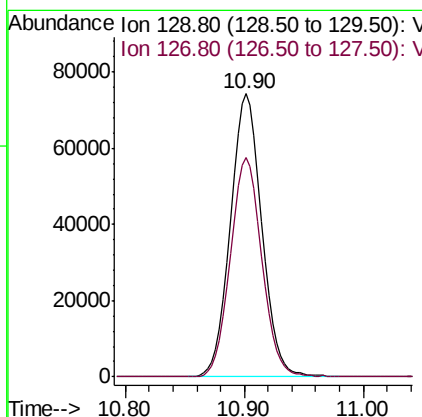
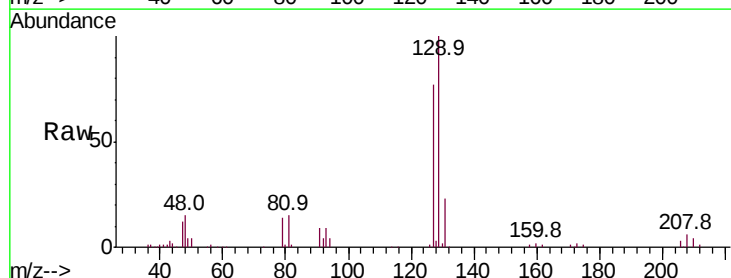
Instrument :
MSVOA_N
ClientSampled :

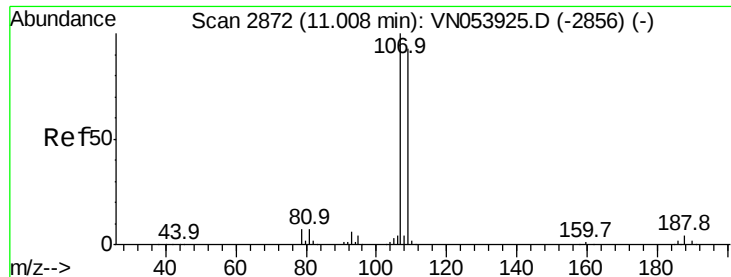
Tot Ion: 43 Resp: 394373
Ion Ratio Lower Upper
43 100
58 53.0 29.1 87.4



#60
Dibromochloromethane
Concen: 18.351 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion: 129 Resp: 135542
Ion Ratio Lower Upper
129 100
127 77.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 18.777 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

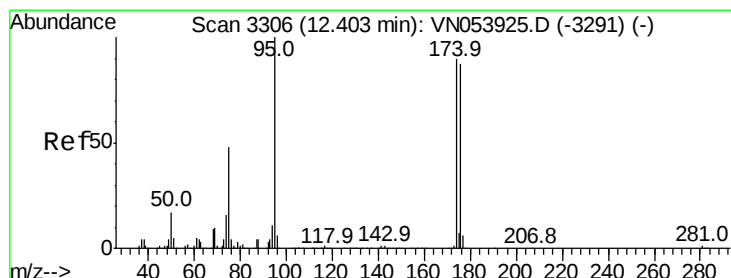
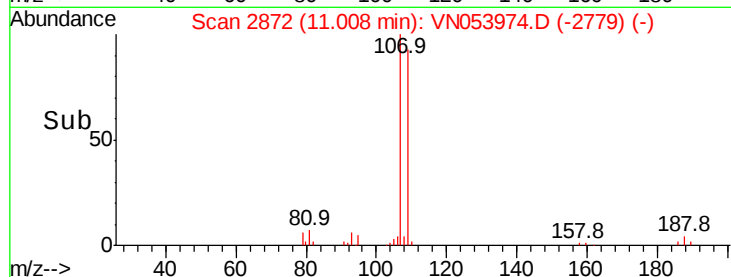
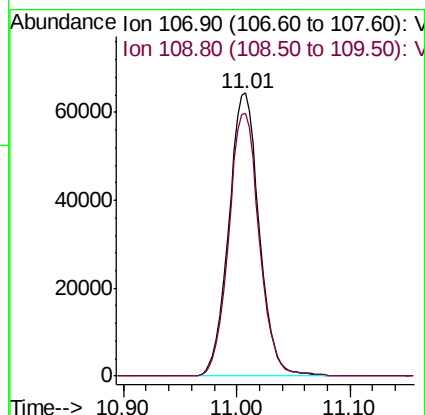
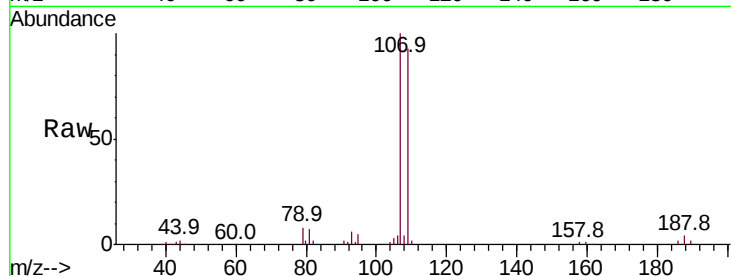
ClientSampleId :

Tot Ion:107 Resp: 120381

Ion Ratio Lower Upper

107 100

109 93.6 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 46.325 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

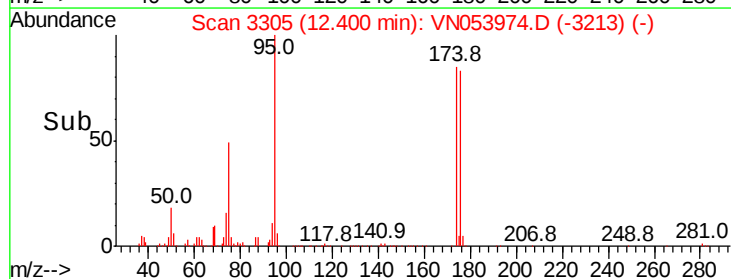
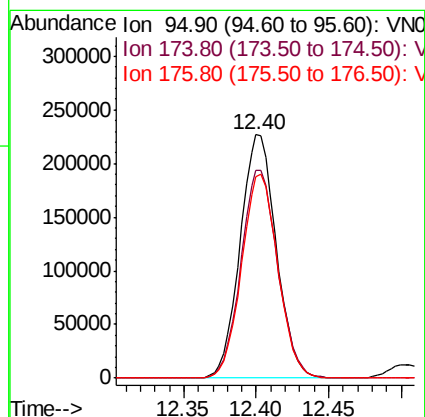
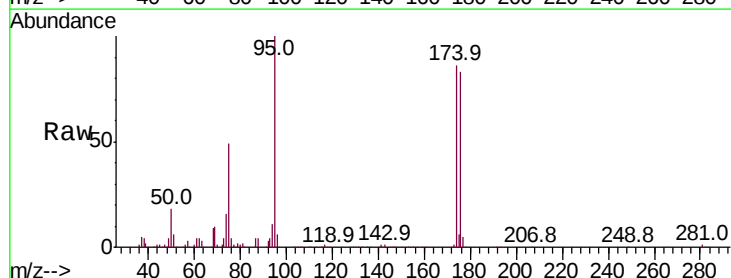
Tgt Ion: 95 Resp: 393023

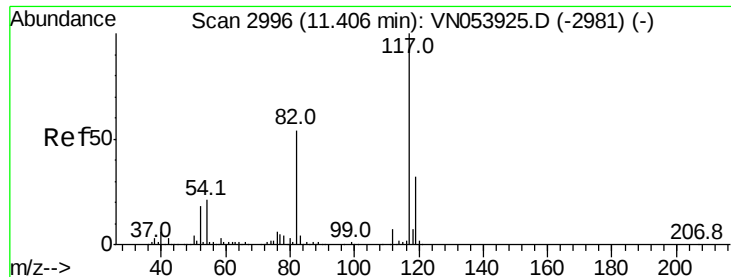
Ion Ratio Lower Upper

95 100

174 86.7 0.0 188.8

176 84.1 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

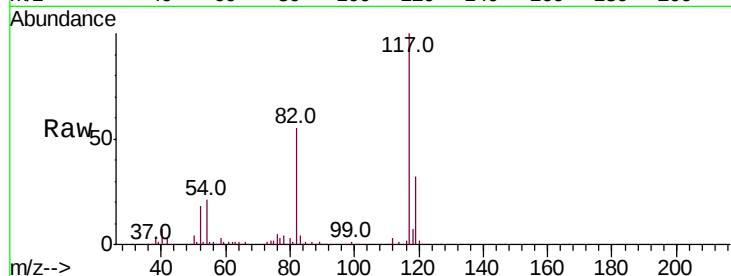
Tot Ion:117 Resp: 911422

Ion Ratio Lower Upper

117 100

82 55.4 41.4 62.2

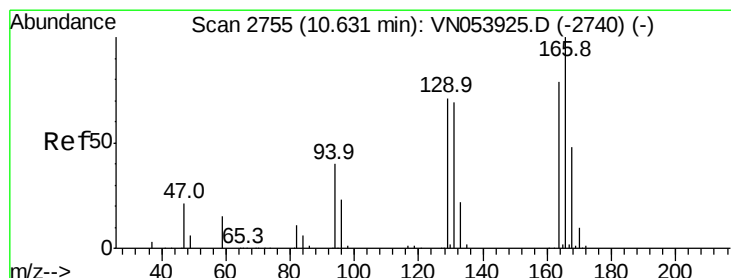
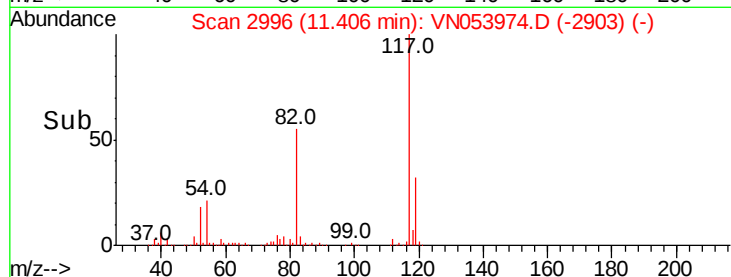
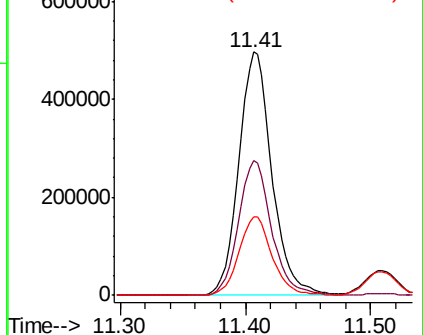
119 32.4 25.3 37.9



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: 18.652 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Tgt Ion:164 Resp: 143953

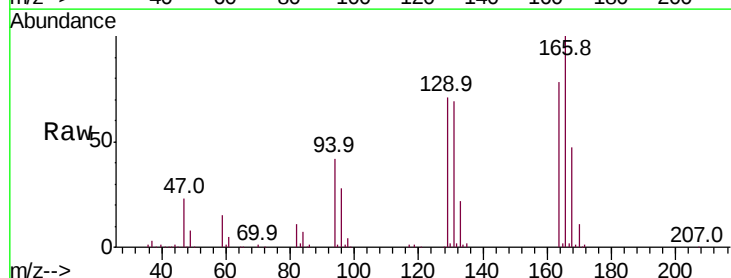
Ion Ratio Lower Upper

164 100

166 128.1 102.6 153.8

129 90.6 69.4 104.0

131 88.8 68.1 102.1

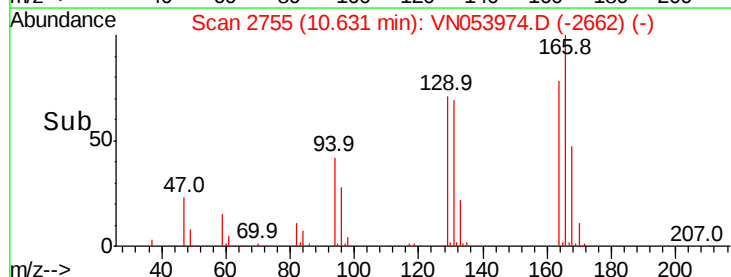
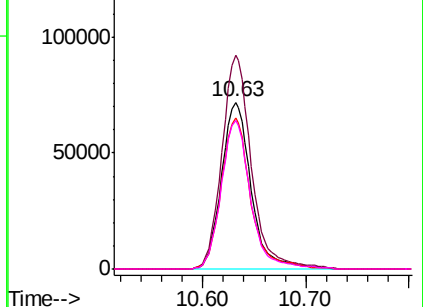


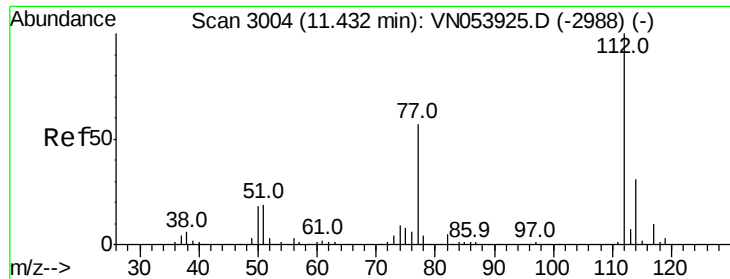
Abundance Ion 163.80 (163.50 to 164.50): V

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

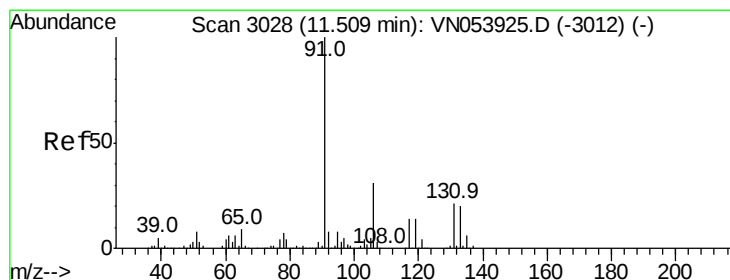
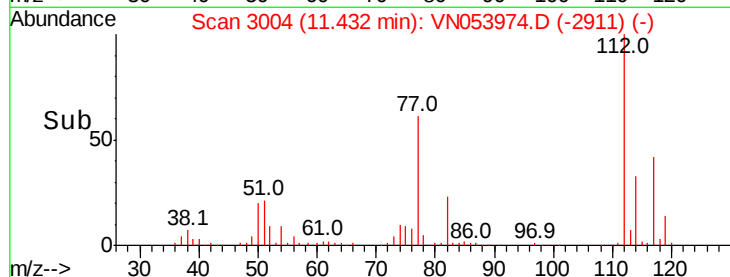
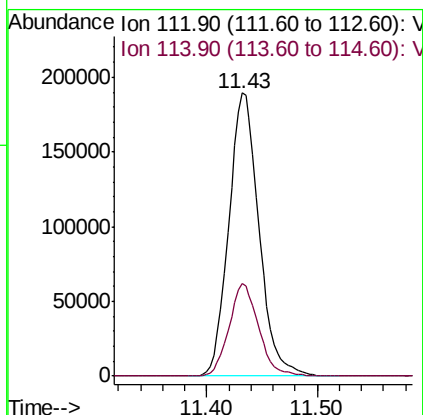
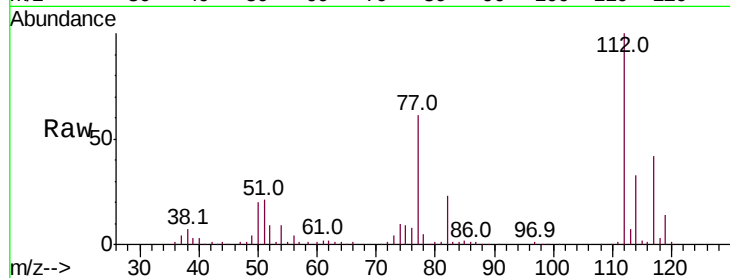




#65
Chlorobenzene
Concen: 18.694 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

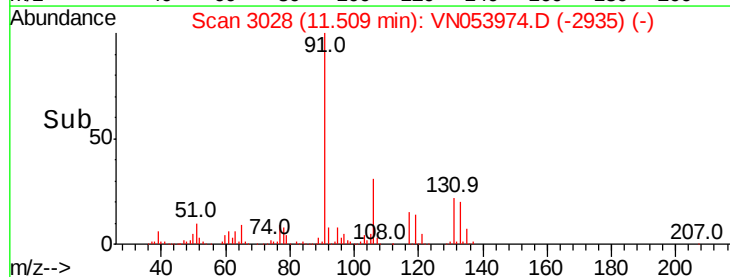
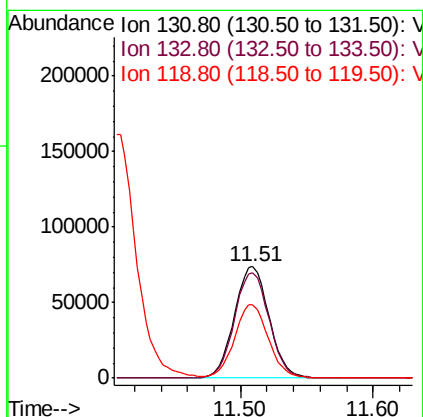
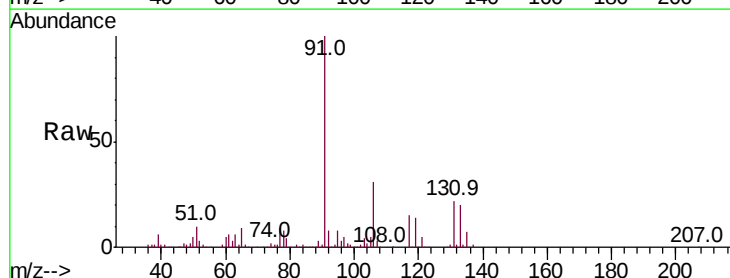
Instrument :
MSVOA_N
ClientSampled :

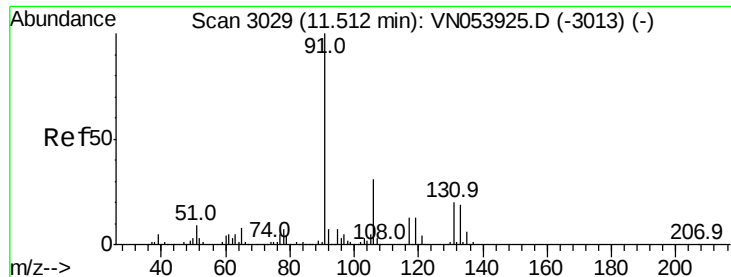
Tot Ion:112 Resp: 359582
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.405 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion:131 Resp: 134524
Ion Ratio Lower Upper
131 100
133 94.6 47.7 143.1
119 64.5 33.1 99.3

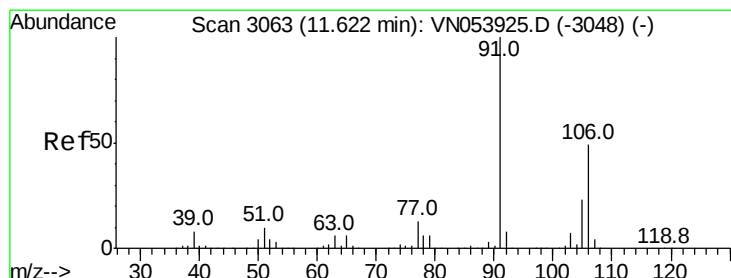
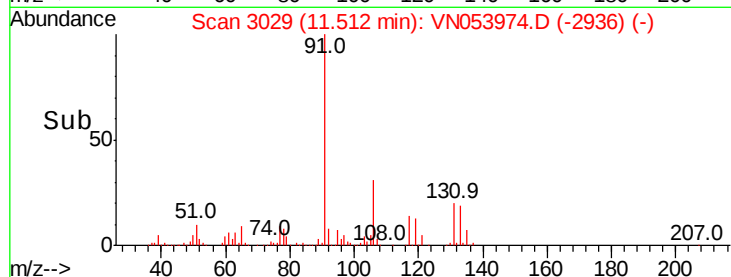
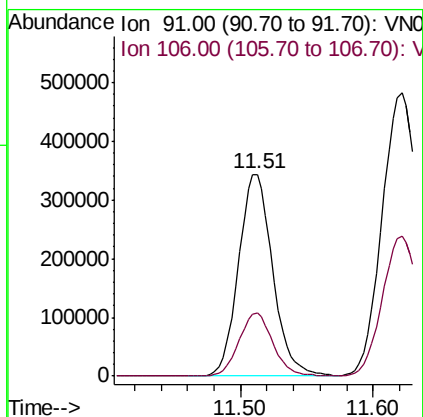
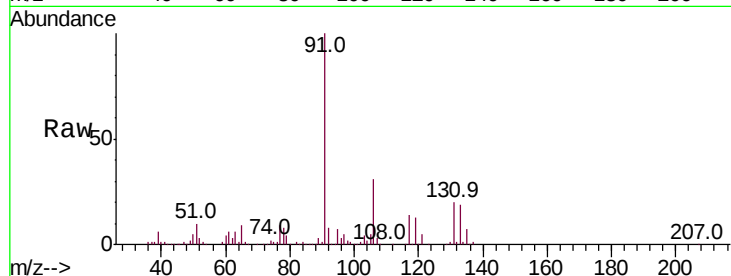




#67
Ethyl Benzene
Concen: 19.117 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

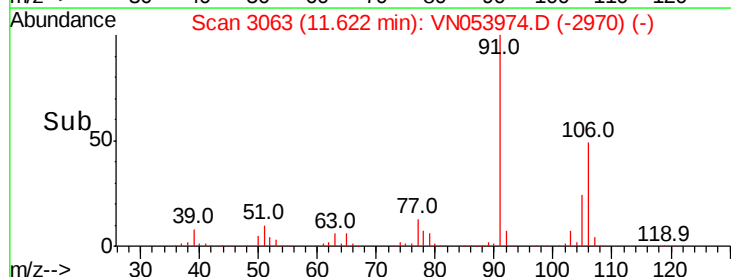
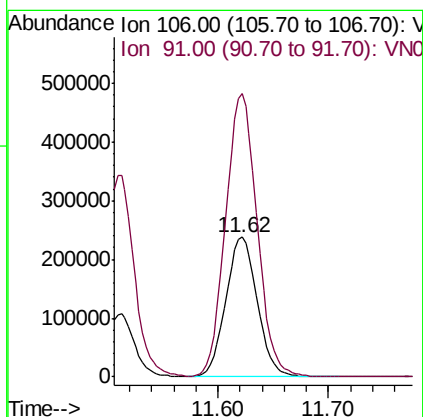
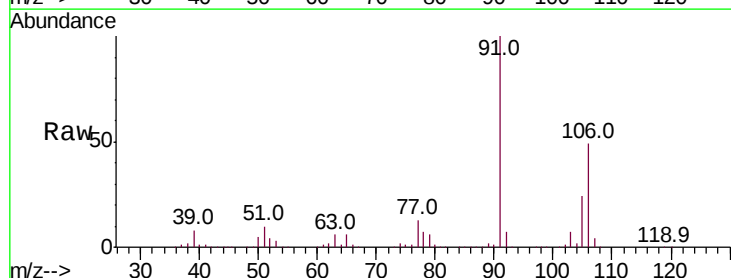
Instrument :
MSVOA_N
ClientSampled :

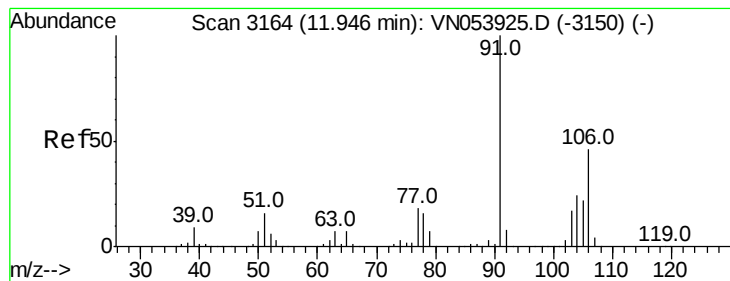
Tot Ion: 91 Resp: 616460
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8



#68
m/p-Xylenes
Concen: 38.689 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion: 106 Resp: 470870
Ion Ratio Lower Upper
106 100
91 203.1 158.9 238.3





#69

o-Xylene

Concen: 19.072 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

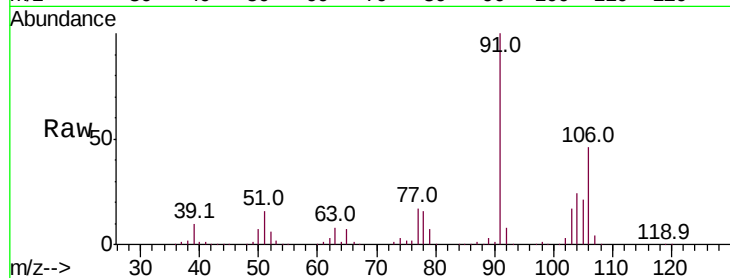
ClientSampled :

Tot Ion:106 Resp: 228073

Ion Ratio Lower Upper

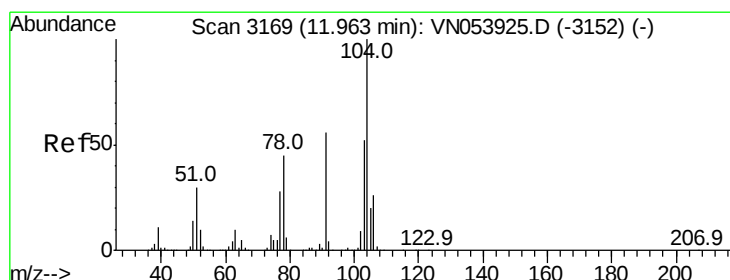
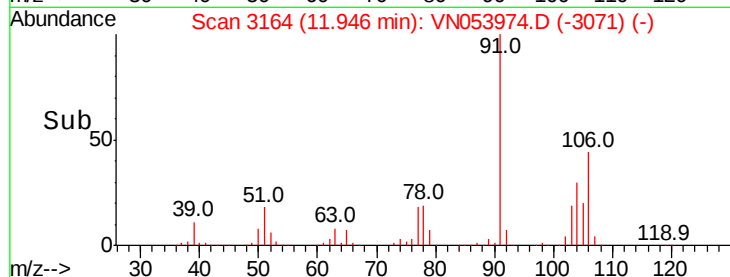
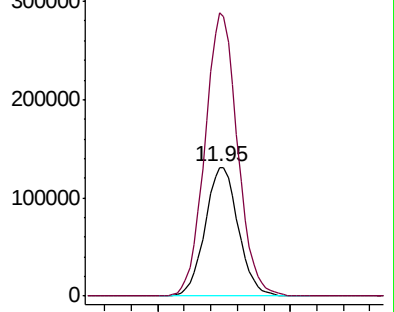
106 100

91 215.8 106.0 318.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.715 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

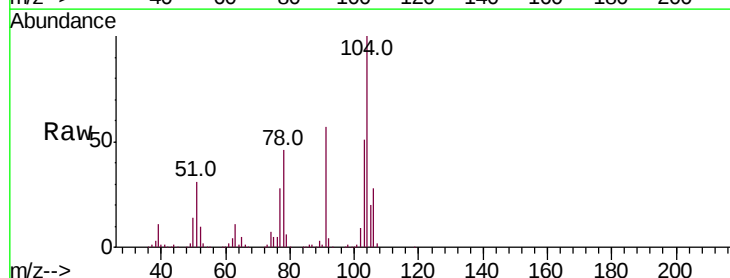
Tgt Ion:104 Resp: 362638

Ion Ratio Lower Upper

104 100

78 50.0 38.1 57.1

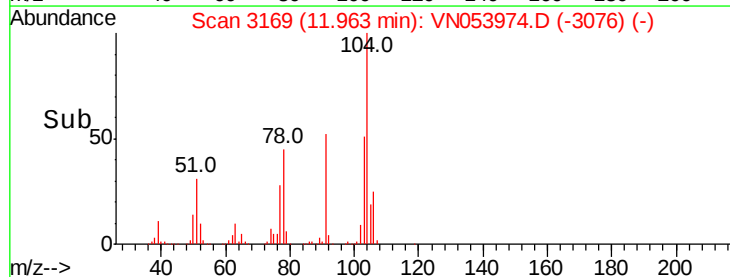
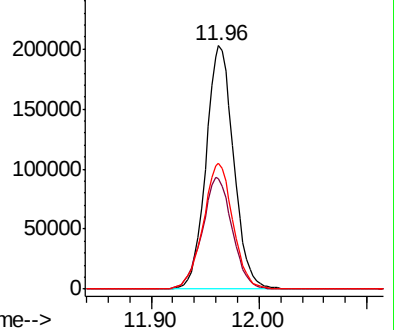
103 55.5 44.6 67.0

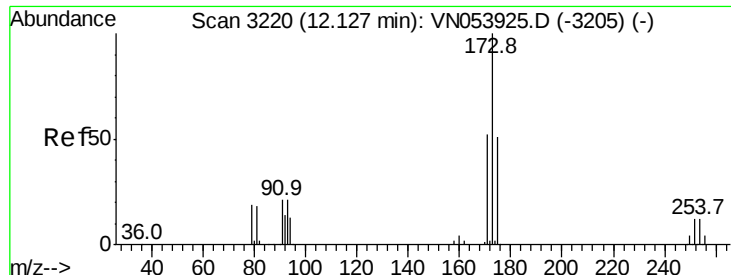


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.542 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

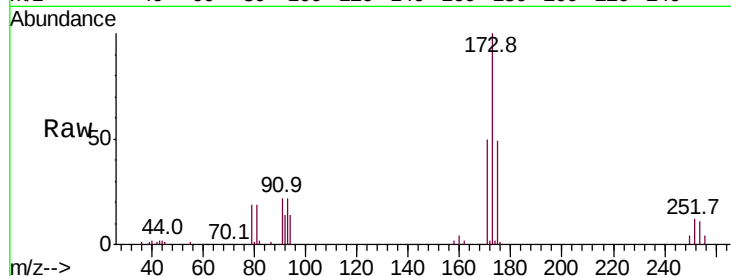
Tot Ion:173 Resp: 89425

Ion Ratio Lower Upper

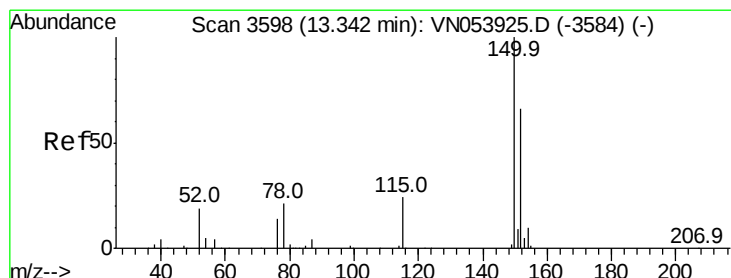
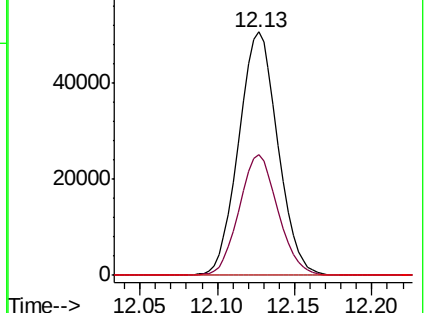
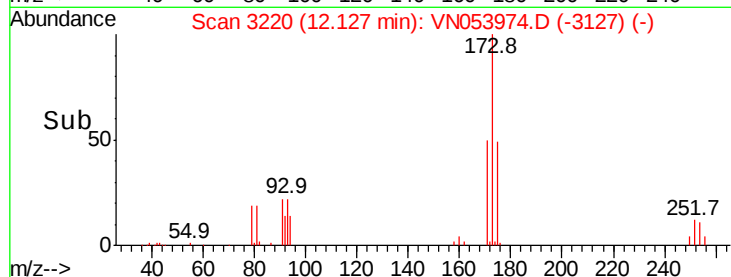
173 100

175 49.1 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

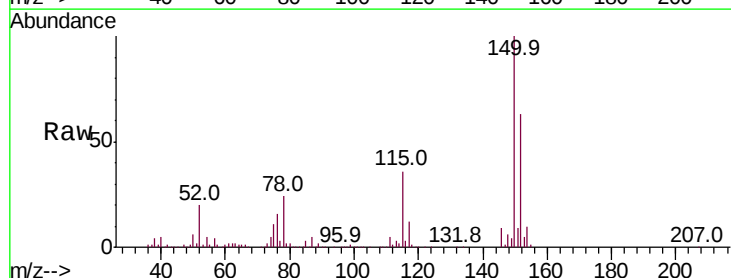
Tgt Ion:152 Resp: 397030

Ion Ratio Lower Upper

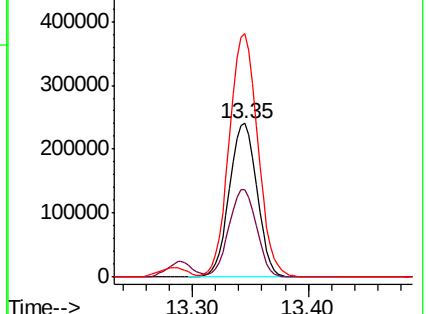
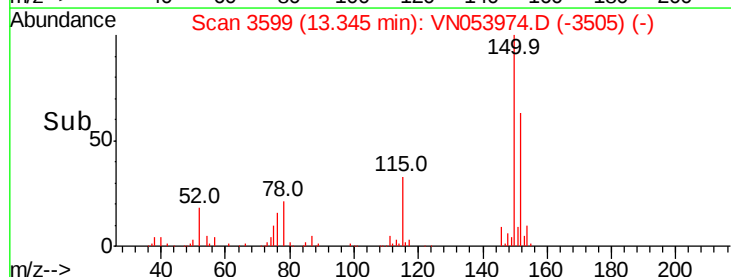
152 100

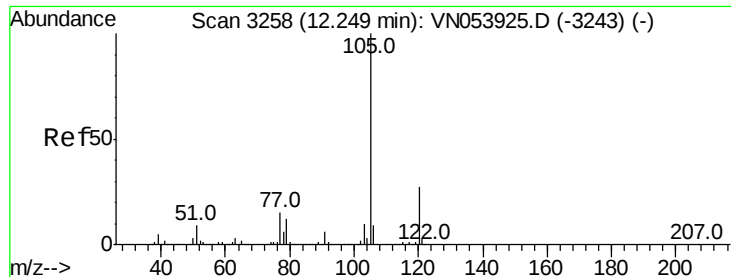
115 57.0 27.2 81.6

150 163.6 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: 19.583 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

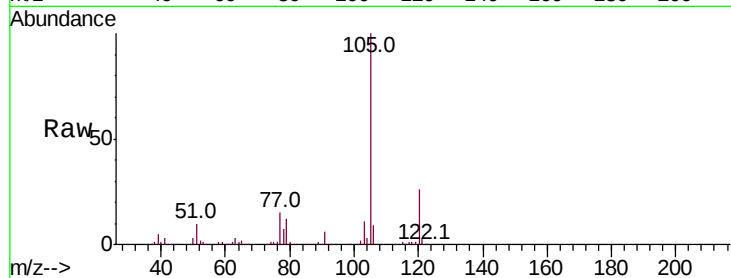
ClientSampleId :

Tot Ion:105 Resp: 605228

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

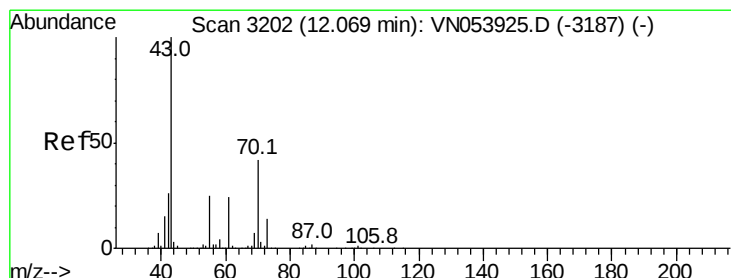
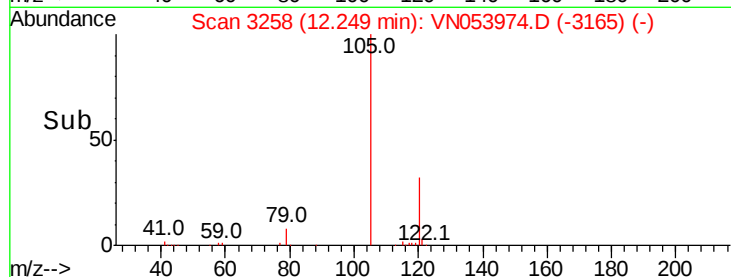
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 20.507 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Tgt Ion: 43 Resp: 166113

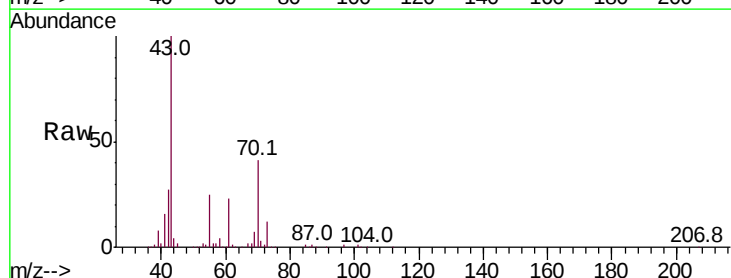
Ion Ratio Lower Upper

43 100

70 40.9 37.4 56.2

55 24.9 21.4 32.0

61 23.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

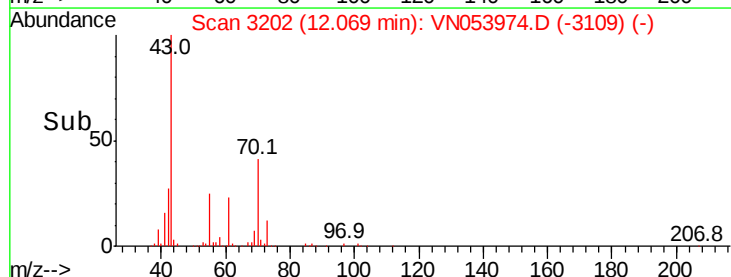
100000

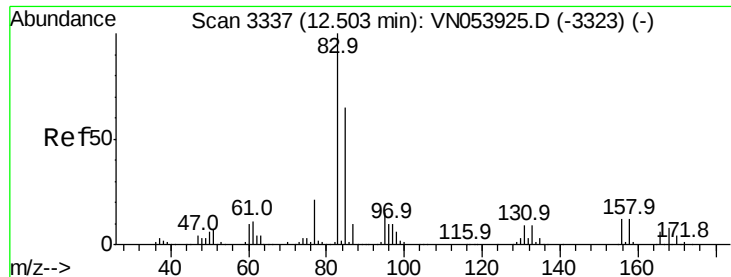
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.724 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

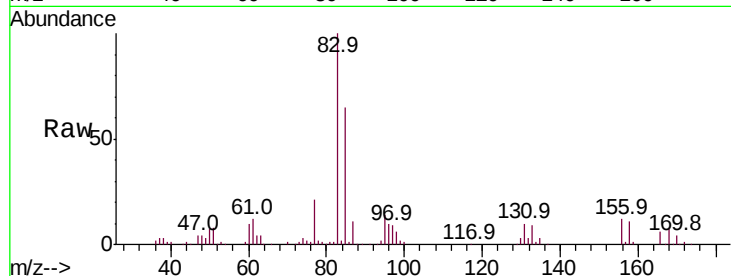
Tot Ion: 83 Resp: 152438

Ion Ratio Lower Upper

83 100

131 9.9 5.3 16.1

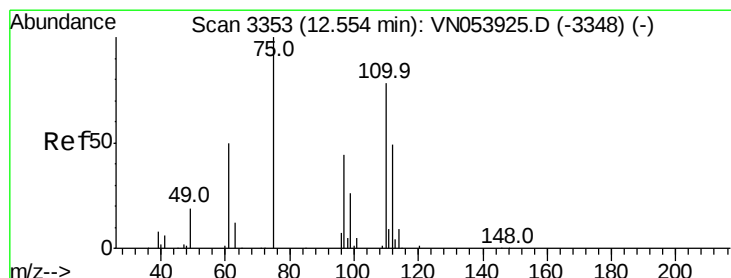
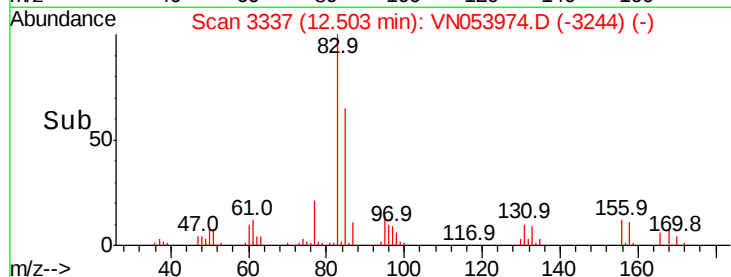
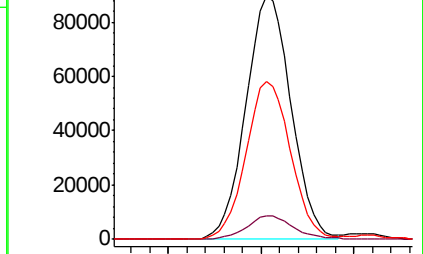
85 64.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.839 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053974.D

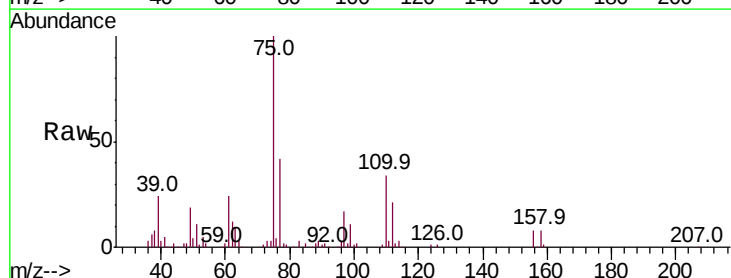
Acq: 27 Feb 2019 17:57

Tgt Ion: 75 Resp: 183677

Ion Ratio Lower Upper

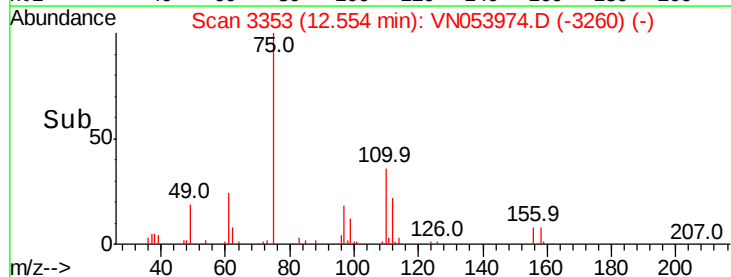
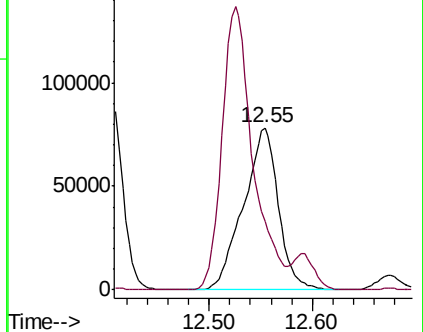
75 100

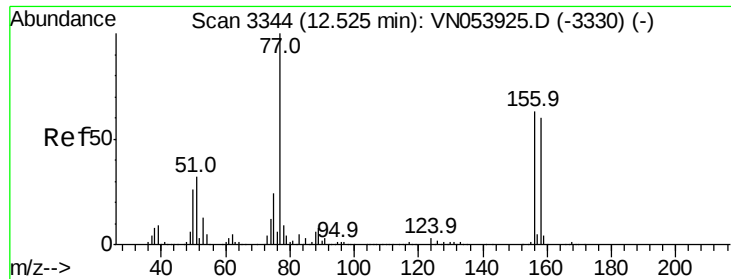
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.155 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

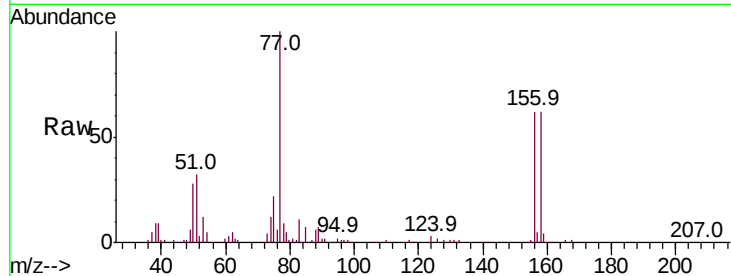
Tot Ion:156 Resp: 150304

Ion Ratio Lower Upper

156 100

77 188.7 84.0 252.2

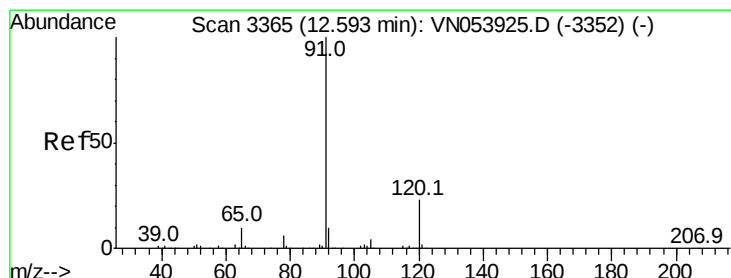
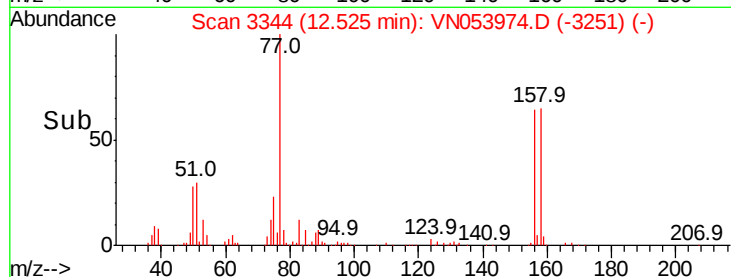
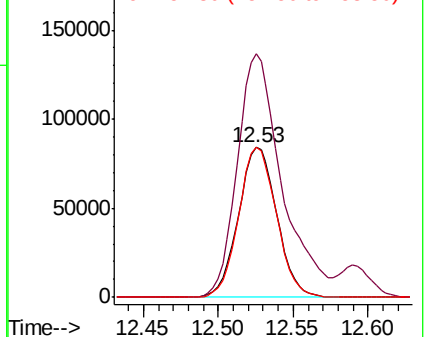
158 98.1 48.5 145.6



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: 19.761 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053974.D

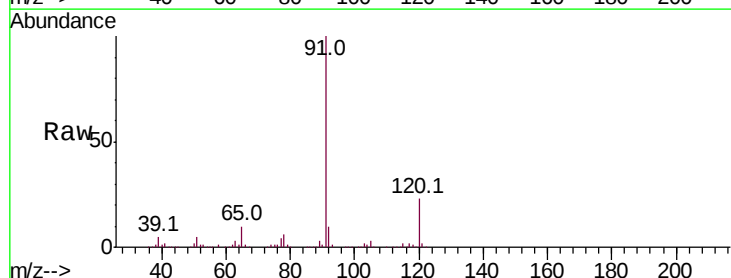
Acq: 27 Feb 2019 17:57

Tgt Ion: 91 Resp: 694554

Ion Ratio Lower Upper

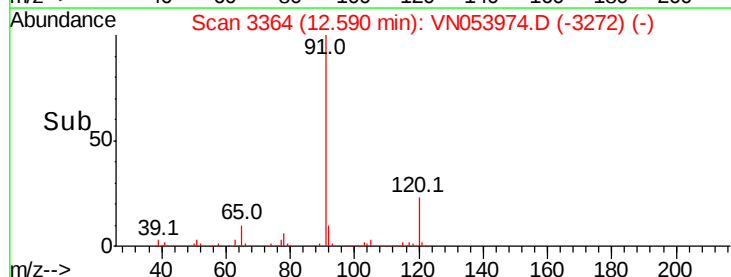
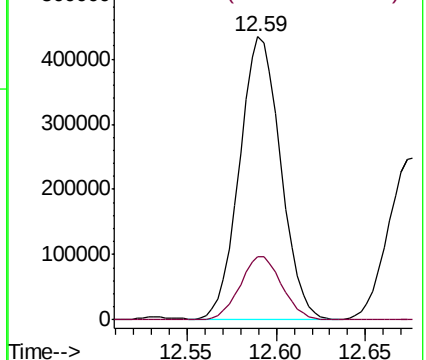
91 100

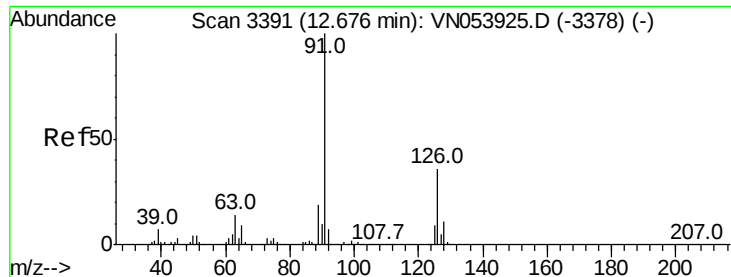
120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.859 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

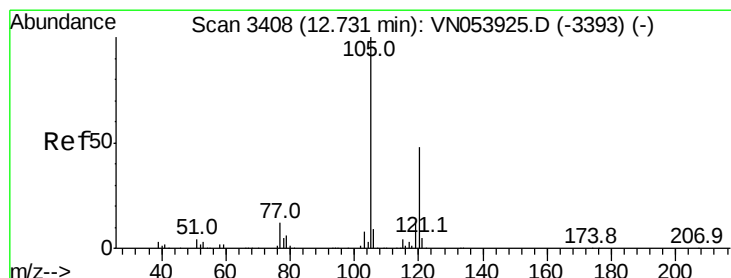
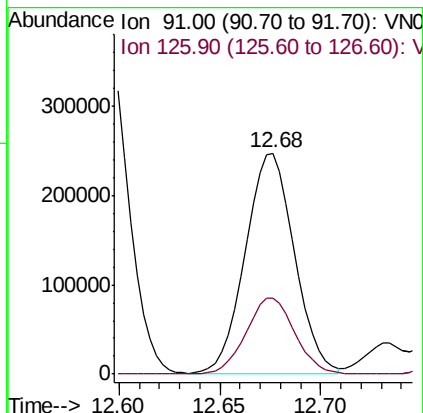
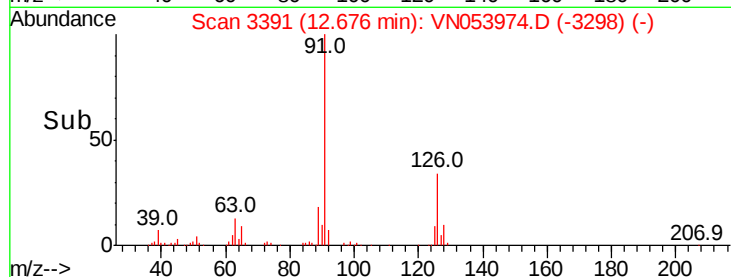
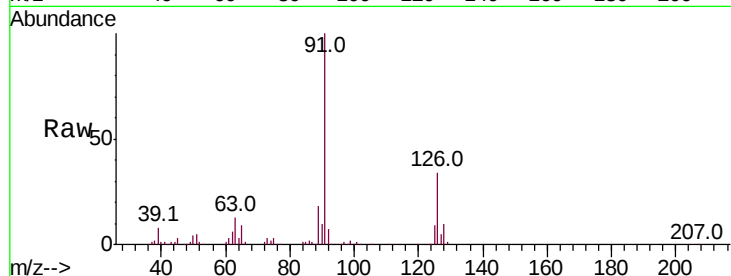
ClientSampled :

Tot Ion: 91 Resp: 419316

Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 19.920 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053974.D

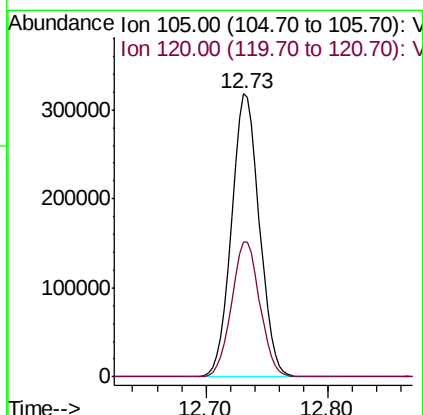
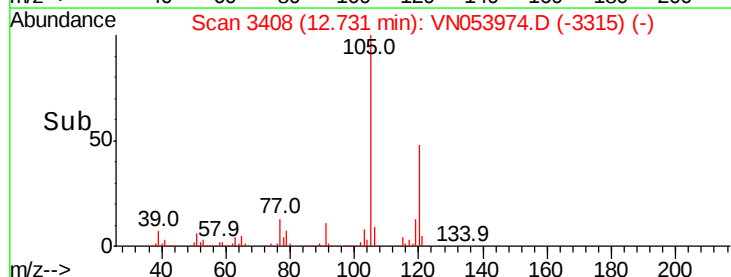
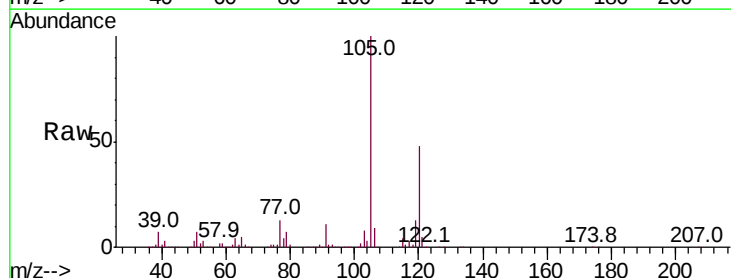
Acq: 27 Feb 2019 17:57

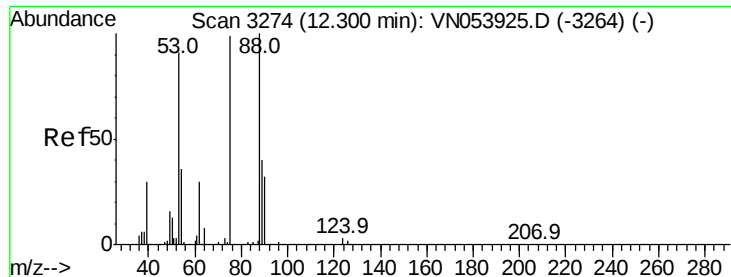
Tgt Ion:105 Resp: 504019

Ion Ratio Lower Upper

105 100

120 48.6 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.087 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

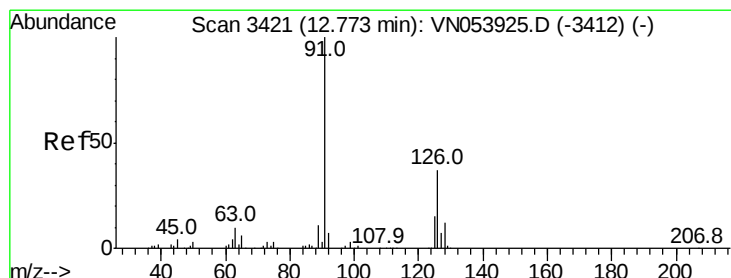
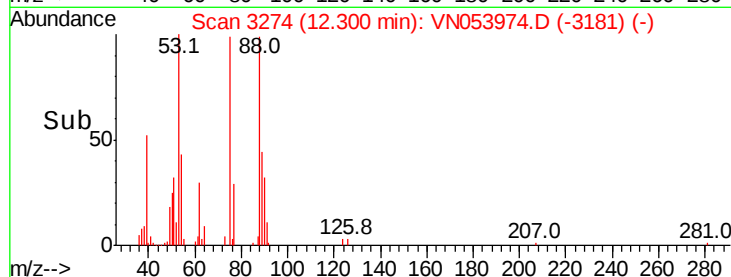
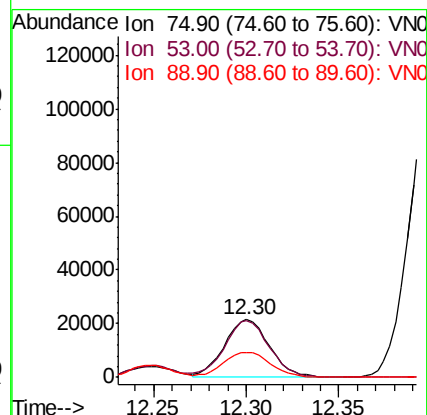
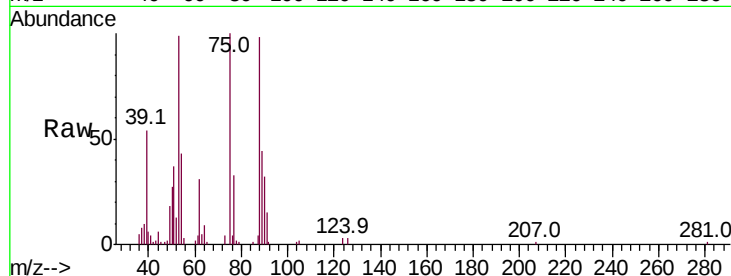
Tot Ion: 75 Resp: 36448

Ion Ratio Lower Upper

75 100

53 98.3 68.6 102.8

89 45.3 35.3 52.9



#82

4-Chlorotoluene

Concen: 19.943 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053974.D

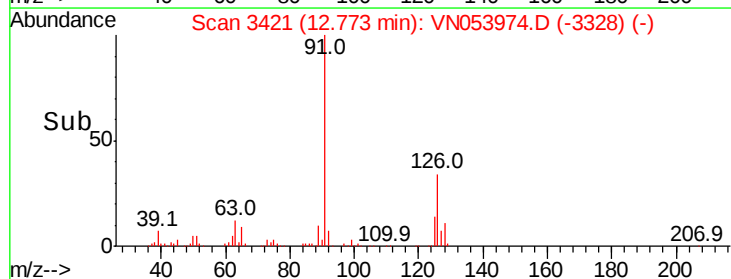
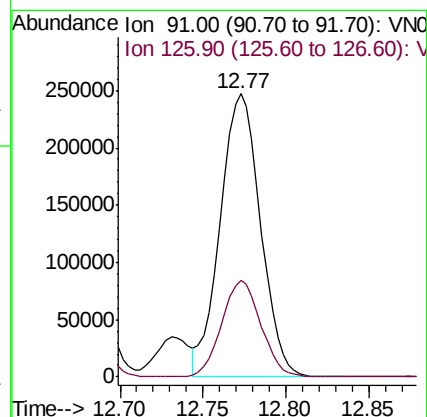
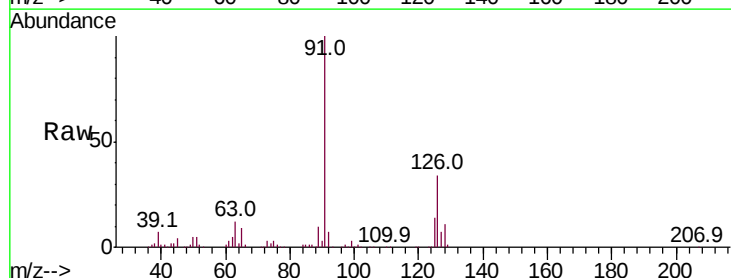
Acq: 27 Feb 2019 17:57

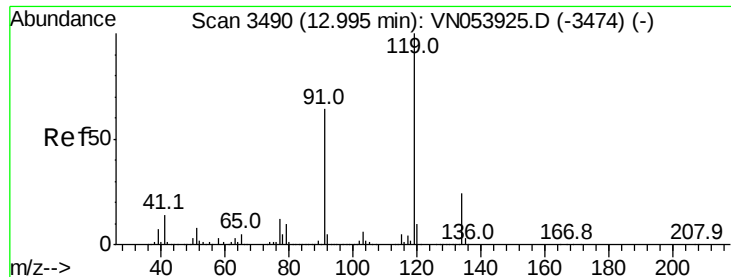
Tgt Ion: 91 Resp: 416169

Ion Ratio Lower Upper

91 100

126 33.3 18.0 54.0





#83

tert-Butylbenzene

Concen: 20.247 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

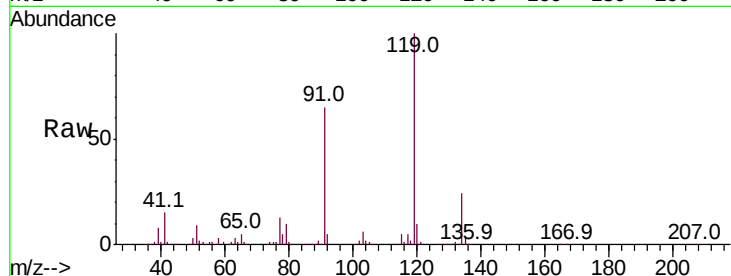
Tot Ion:119 Resp: 453076

Ion Ratio Lower Upper

119 100

91 64.1 30.6 91.8

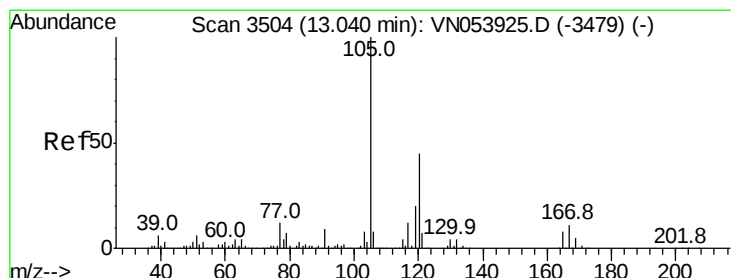
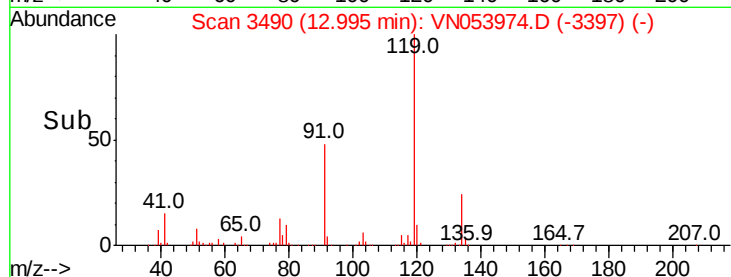
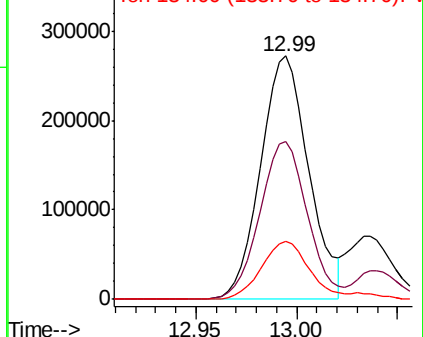
134 25.4 13.0 39.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.963 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053974.D

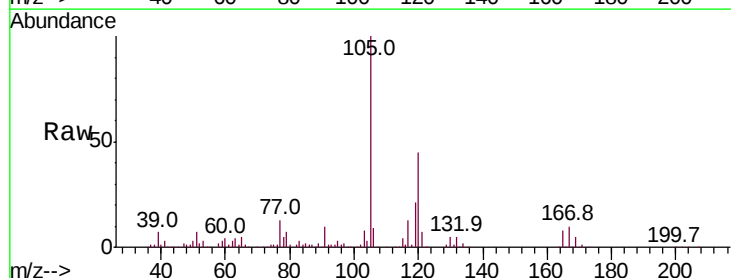
Acq: 27 Feb 2019 17:57

Tgt Ion:105 Resp: 504272

Ion Ratio Lower Upper

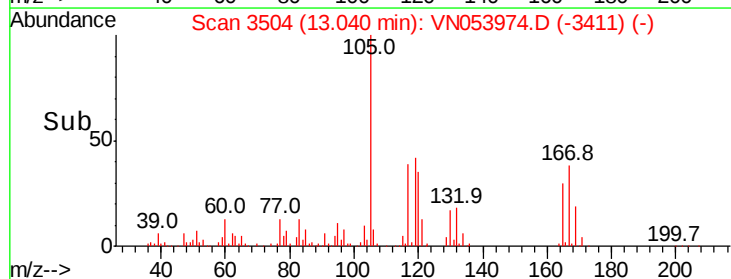
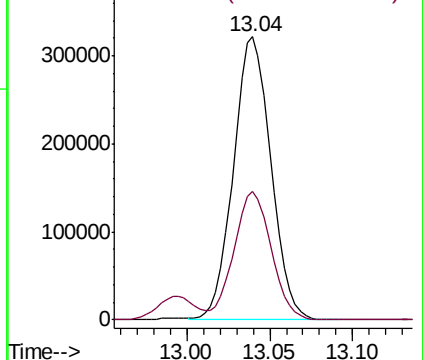
105 100

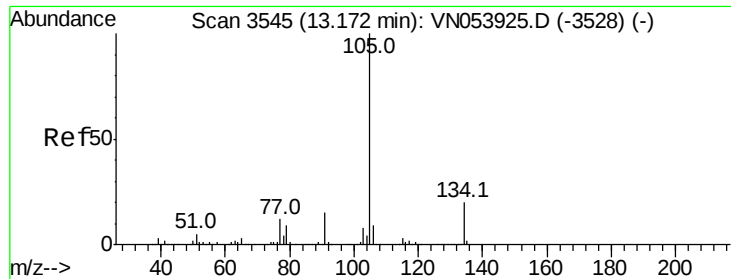
120 45.3 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

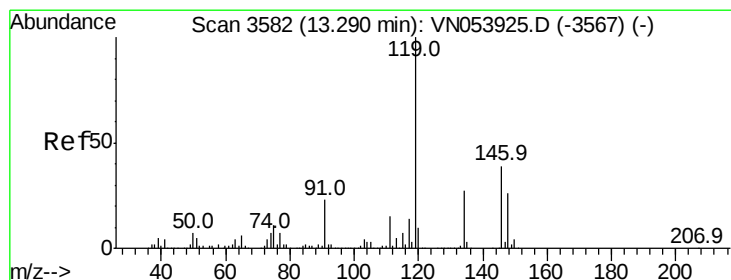
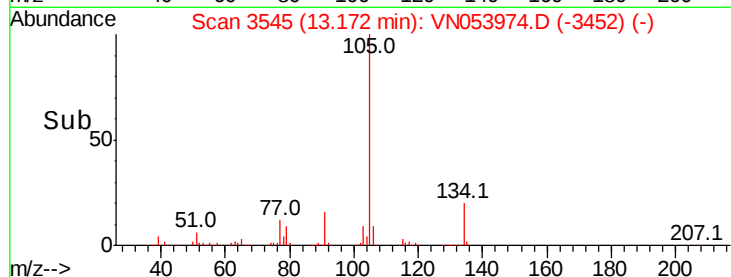
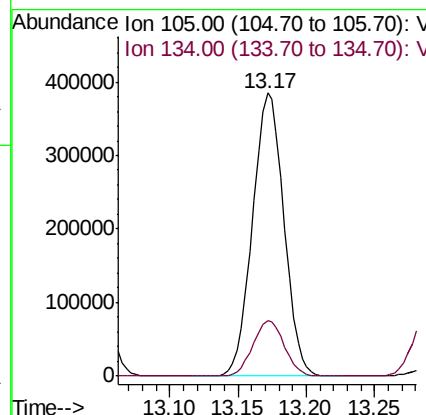
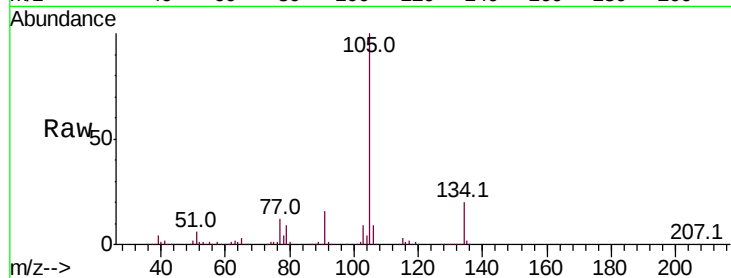




#85
 sec-Butylbenzene
 Concen: 20.055 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

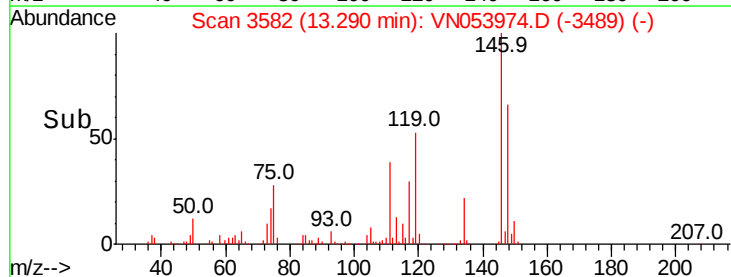
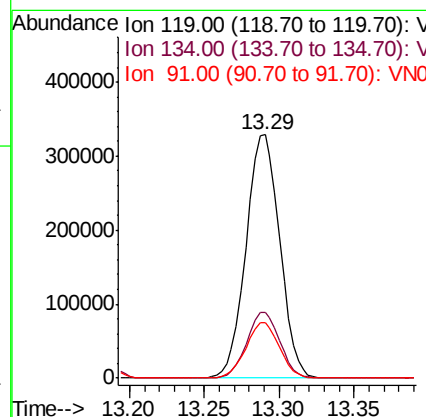
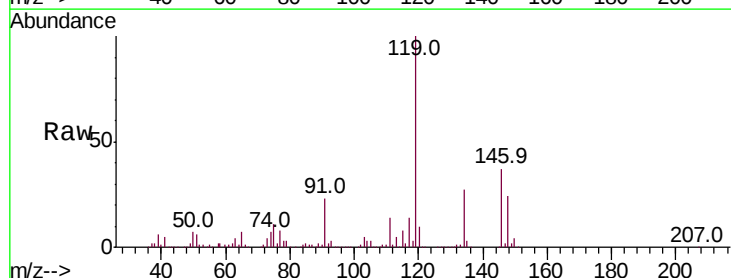
Instrument :
 MSVOA_N
 ClientSampleId :

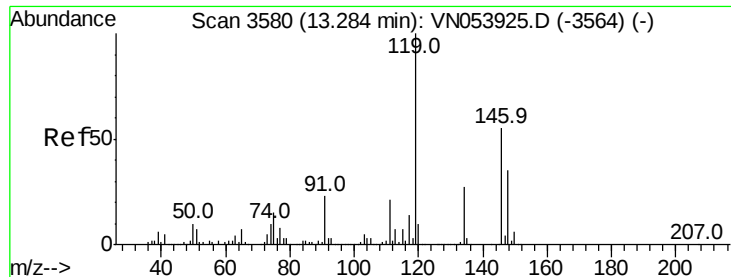
Tot Ion:105 Resp: 612976
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 19.921 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Tgt Ion:119 Resp: 514725
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.4
 91 22.7 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 18.974 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

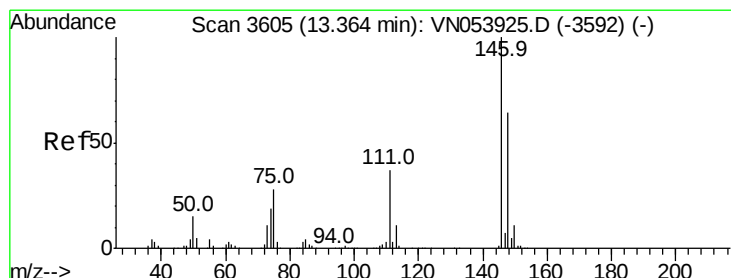
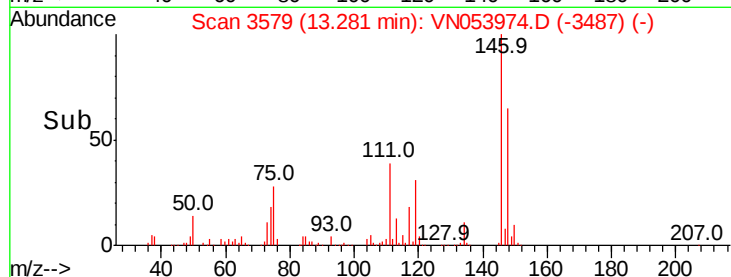
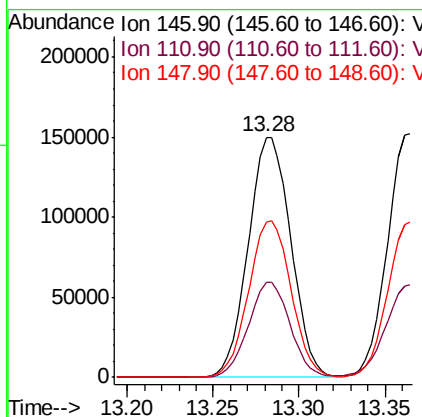
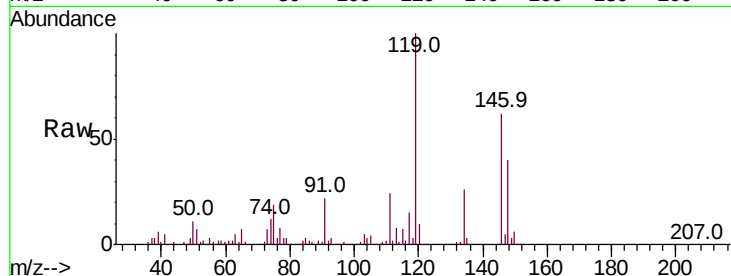
Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:146 Resp: 257557

Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.7	56.1
148	65.1	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 19.110 ug/l

RT: 13.36 min Scan# 3605

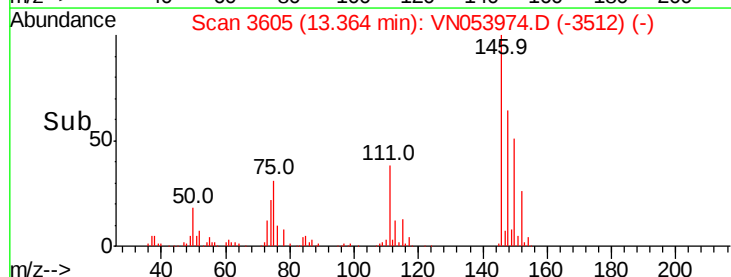
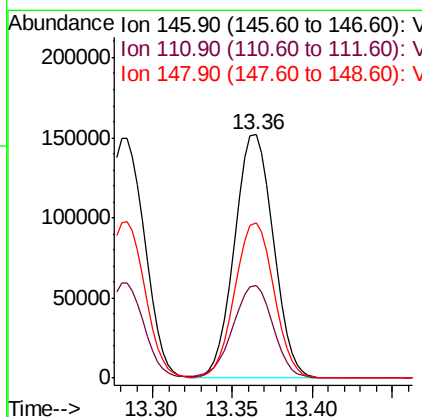
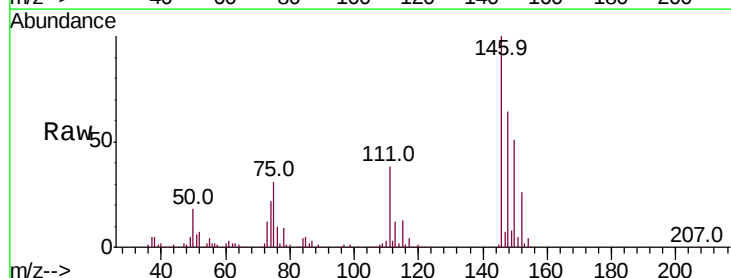
Delta R.T. -0.00 min

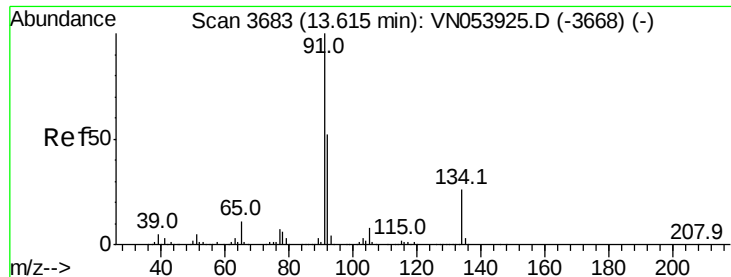
Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Tgt Ion:146 Resp: 251662

Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.0	54.0
148	64.3	32.1	96.5

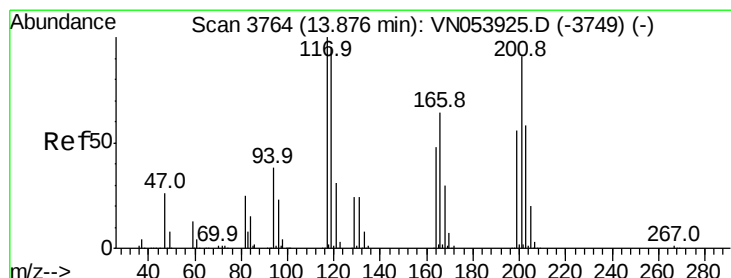
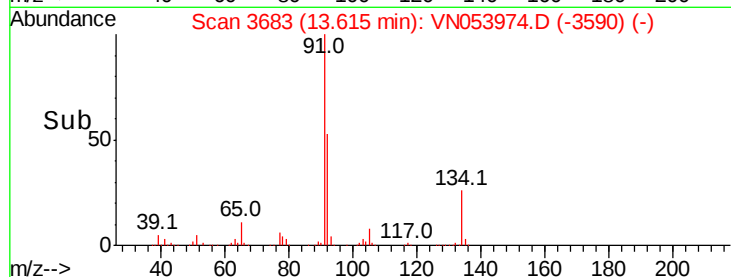
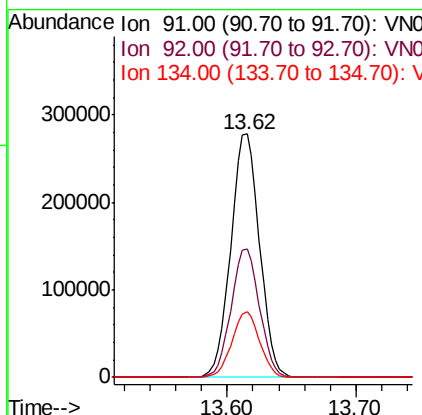
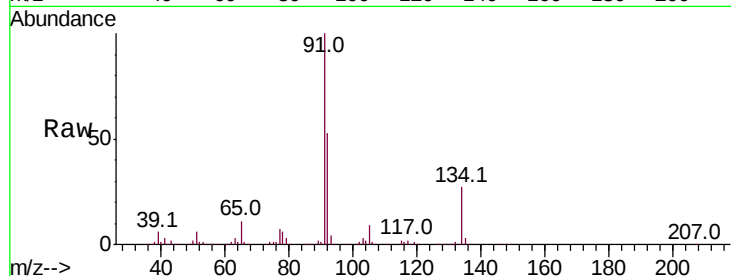




#89
n-Butylbenzene
Concen: 19.738 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

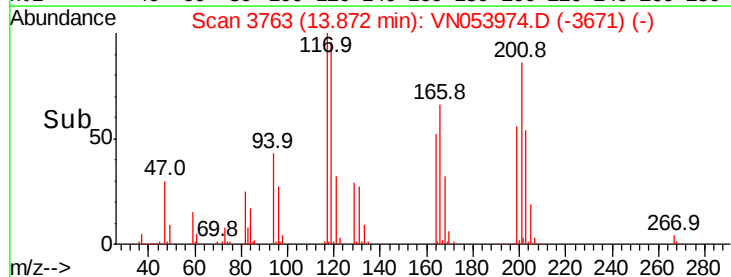
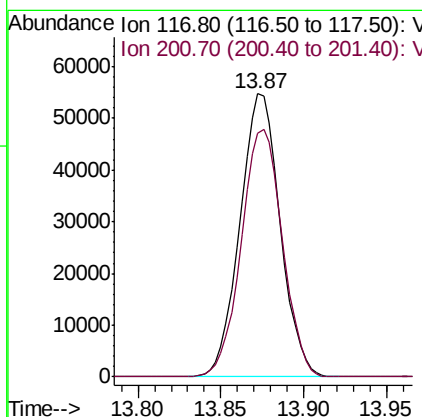
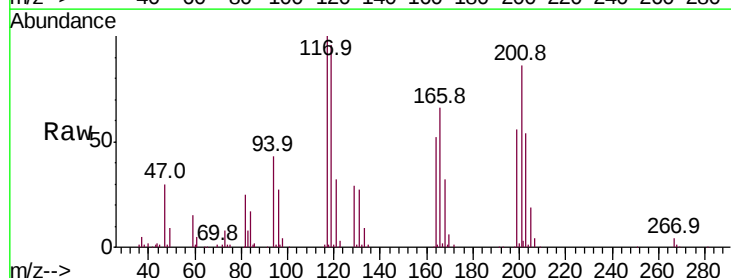
Instrument :
MSVOA_N
ClientSampleId :

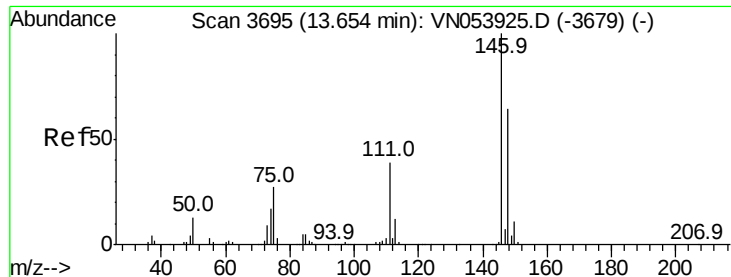
Tot Ion: 91 Resp: 429817
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.2
134 26.0 13.6 40.8



#90
Hexachloroethane
Concen: 18.393 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion: 117 Resp: 92093
Ion Ratio Lower Upper
117 100
201 89.3 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 19.365 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

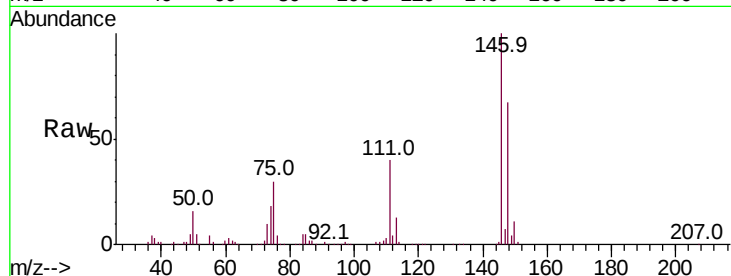
Tot Ion:146 Resp: 254462

Ion Ratio Lower Upper

146 100

111 39.6 19.1 57.5

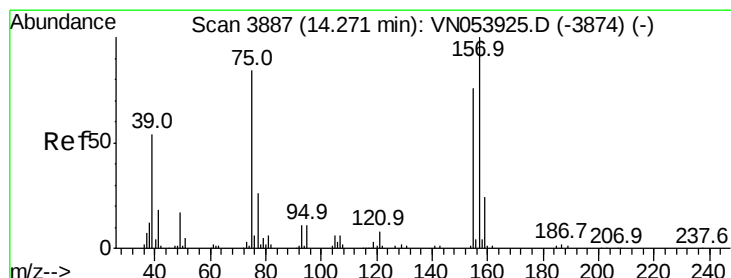
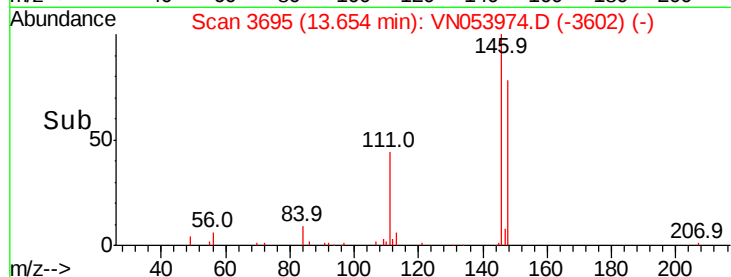
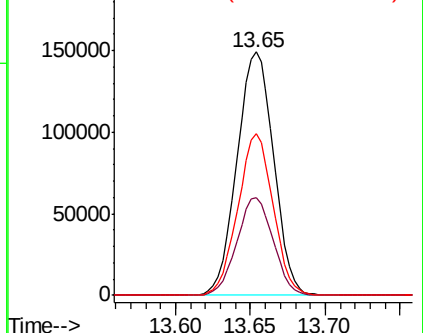
148 63.9 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.827 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053974.D

Acq: 27 Feb 2019 17:57

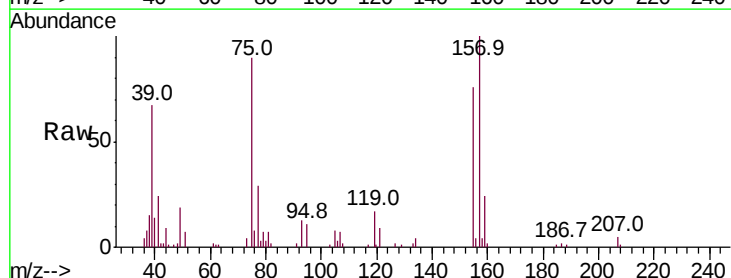
Tgt Ion: 75 Resp: 20562

Ion Ratio Lower Upper

75 100

155 93.3 49.5 148.5

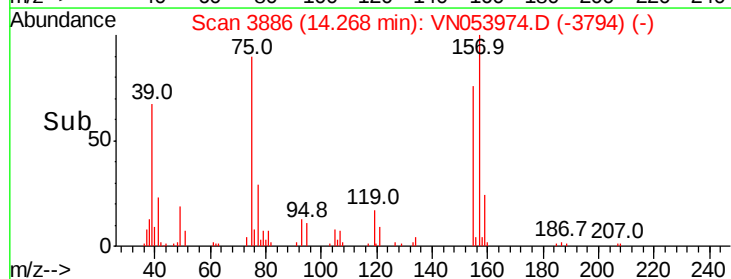
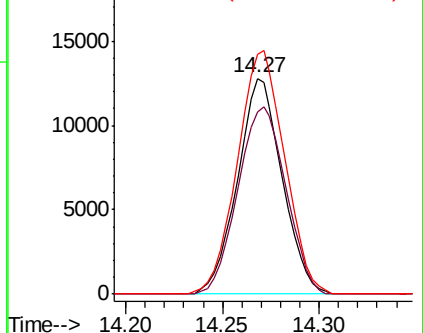
157 119.2 64.8 194.6

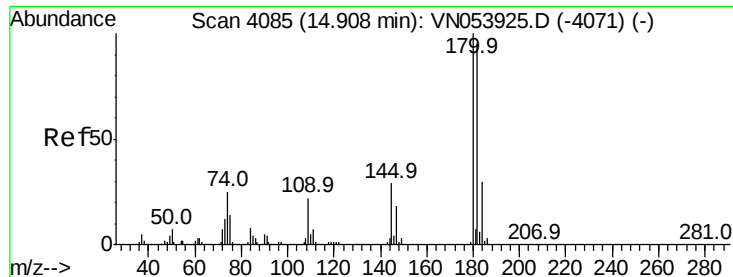


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

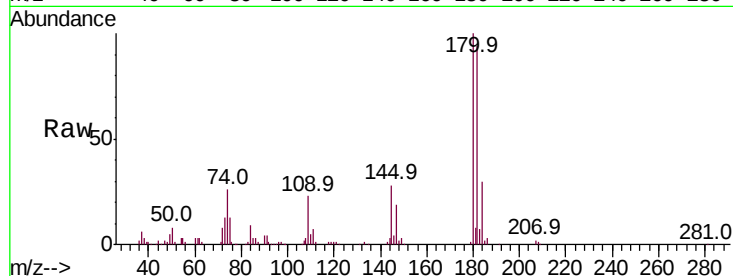




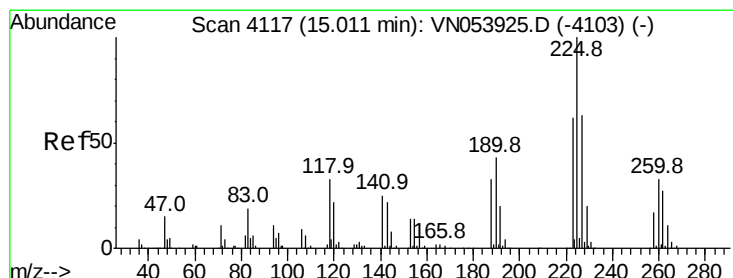
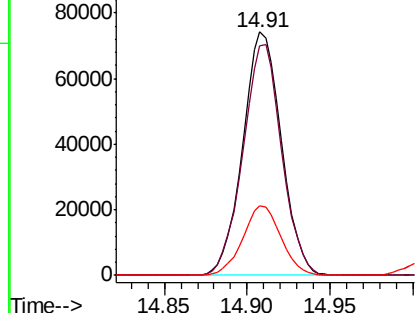
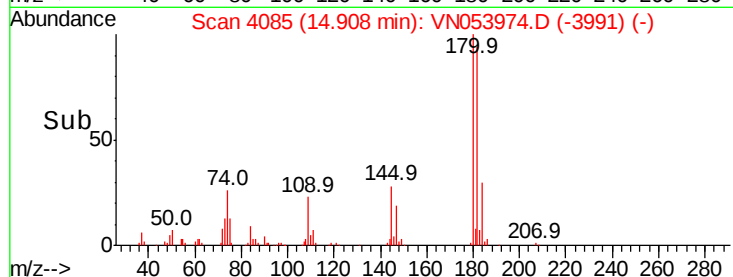
#93
 1,2,4-Trichlorobenzene
 Concen: 17.915 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 119843
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.6 145.9
 145 28.2 13.8 41.3

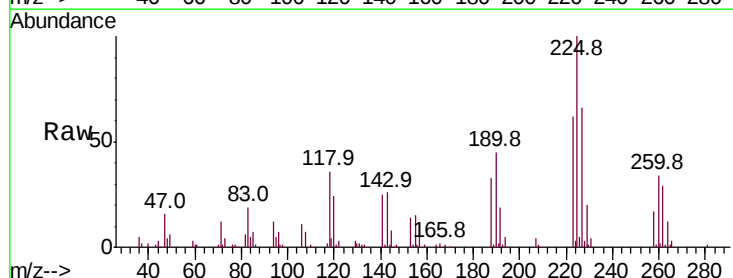


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

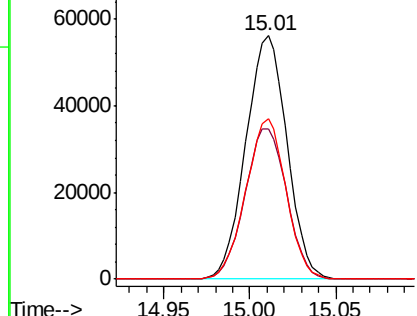
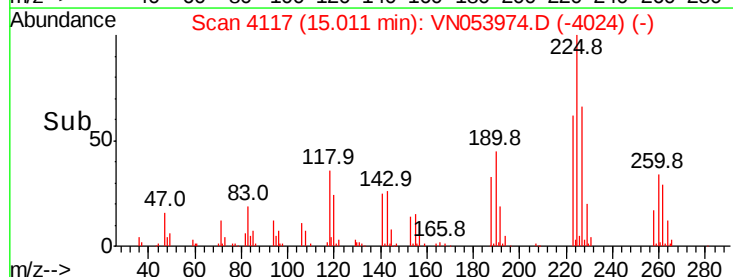


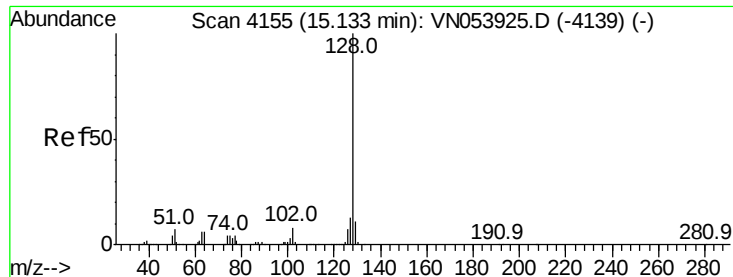
#94
 Hexachlorobutadiene
 Concen: 19.590 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053974.D
 Acq: 27 Feb 2019 17:57

Tgt Ion:225 Resp: 92986
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.9 92.5
 227 64.5 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

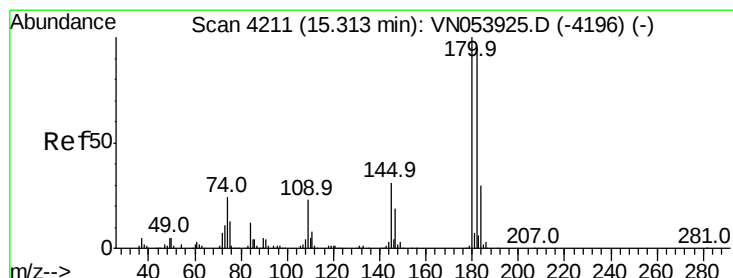
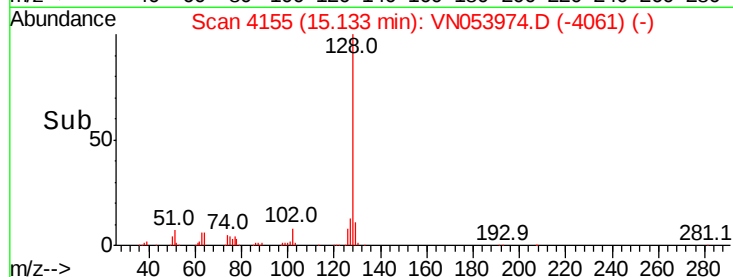
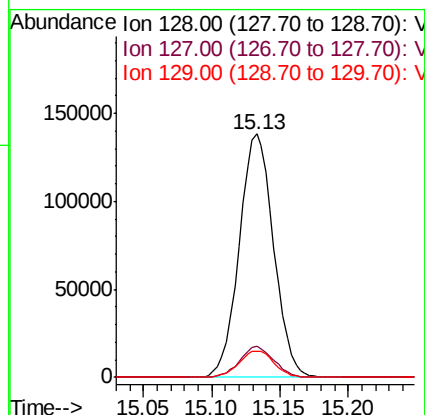
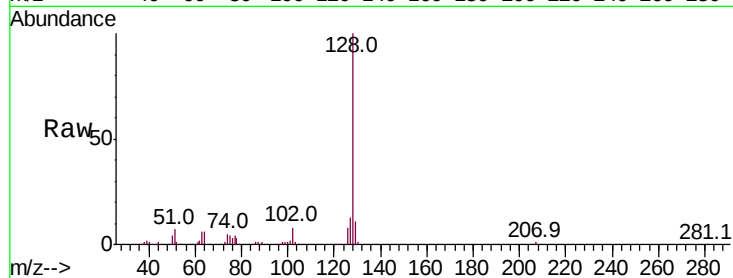




#95
Naphthalene
Concen: 17.577 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 241334
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.104 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053974.D
Acq: 27 Feb 2019 17:57

Tgt Ion:180 Resp: 119549
Ion Ratio Lower Upper
180 100
182 96.4 47.3 141.8
145 30.5 14.4 43.0

