

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055594.D
 Acq On : 14 May 2019 15:26
 Operator : JC/SP
 Sample : K2840-06MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14MSD

Quant Time: May 15 07:43:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 07:28:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	701664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1205623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1068772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	448524	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	508693	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	7.59	113	405932	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	10.09	98	1590399	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.40	95	536550	55.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	333687	46.600	ug/l	98
3) Chloromethane	2.06	50	509787	45.762	ug/l	98
4) Vinyl Chloride	2.19	62	512416	47.195	ug/l	100
5) Bromomethane	2.53	94	288886	45.556	ug/l	99
6) Chloroethane	2.68	64	297356	45.184	ug/l	99
7) Trichlorofluoromethane	3.01	101	571840	47.251	ug/l	98
8) Diethyl Ether	3.41	74	261590	48.377	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	364818	47.886	ug/l	98
10) Methyl Iodide	3.94	142	506388	52.131	ug/l	99
11) Tert butyl alcohol	4.81	59	288239	228.885	ug/l	97
12) 1,1-Dichloroethene	3.73	96	369610	48.450	ug/l	99
13) Acrolein	3.60	56	302273	239.231	ug/l	100
14) Allyl chloride	4.32	41	718352	48.877	ug/l	100
15) Acrylonitrile	4.99	53	1056734	249.889	ug/l	99
16) Acetone	3.82	43	799781	178.400	ug/l	99
17) Carbon Disulfide	4.04	76	1064234	48.683	ug/l	99
18) Methyl Acetate	4.33	43	426440	50.749	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1209056	50.767	ug/l	99
20) Methylene Chloride	4.54	84	445231	47.186	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	408416	49.253	ug/l	98
22) Diisopropyl ether	5.95	45	1483368	50.250	ug/l	100
23) Vinyl Acetate	5.90	43	5804572	262.429	ug/l	100
24) 1,1-Dichloroethane	5.85	63	804042	49.043	ug/l	99
25) 2-Butanone	6.84	43	1348936	229.585	ug/l	100
26) 2,2-Dichloropropane	6.82	77	529345	49.991	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	465530	48.460	ug/l	100
28) Bromochloromethane	7.19	49	969575	121.761	ug/l	98
29) Tetrahydrofuran	7.21	42	933202	244.998	ug/l	99
30) Chloroform	7.37	83	752924	49.074	ug/l	99
31) Cyclohexane	7.65	56	779416	47.773	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	581534	48.949	ug/l	99
36) 1,1-Dichloropropene	7.79	75	583781	48.702	ug/l	100
37) Ethyl Acetate	6.93	43	553809	49.310	ug/l	99
38) Carbon Tetrachloride	7.77	117	486095	48.847	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	686366	48.623	ug/l	99
40) Benzene	8.04	78	1785189	48.768	ug/l	99
41) Methacrylonitrile	7.17	41	281407	54.966	ug/l	96
42) 1,2-Dichloroethane	8.12	62	587815	48.151	ug/l	100
43) Isopropyl Acetate	8.17	43	890250	50.542	ug/l #	90
44) Trichloroethene	8.83	130	430440	48.893	ug/l	99
45) 1,2-Dichloropropane	9.12	63	500101	49.568	ug/l	100
46) Dibromomethane	9.21	93	292590	49.104	ug/l	99
47) Bromodichloromethane	9.40	83	564005	49.654	ug/l	97
48) Methyl methacrylate	9.20	41	432146	50.222	ug/l	98
49) 1,4-Dioxane	9.20	88	151289	962.043	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2818514	254.673	ug/l	100
52) Toluene	10.16	92	1053355	50.225	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	583020	53.540	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	682990	52.235	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	411027	49.021	ug/l	99
56) Ethyl methacrylate	10.43	69	614210	52.567	ug/l	99
57) 1,3-Dichloropropane	10.71	76	730592	50.405	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.72	63	1046	12.828	ug/l #	52
59) 2-Hexanone	10.75	43	1922388	251.797	ug/l	100
60) Dibromochloromethane	10.90	129	398266	52.219	ug/l	99
61) 1,2-Dibromoethane	11.00	107	405380	51.173	ug/l	100
64) Tetrachloroethene	10.63	164	400012	46.855	ug/l	99
65) Chlorobenzene	11.43	112	1072558	48.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	375633	49.408	ug/l	99
67) Ethyl Benzene	11.51	91	1982100	49.829	ug/l	100
68) m/p-Xylenes	11.62	106	1462424	100.583	ug/l	100
69) o-Xylene	11.95	106	714452	50.495	ug/l	100
70) Styrene	11.96	104	1195308	53.121	ug/l	100
71) Bromoform	12.13	173	263717	53.217	ug/l #	100
73) Isopropylbenzene	12.25	105	1883990	42.981	ug/l	99
74) N-amyl acetate	12.07	43	736226	47.595	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	586938	51.778	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	699726	63.053	ug/l #	100
77) Bromobenzene	12.53	156	443488	50.744	ug/l	100
78) n-propylbenzene	12.59	91	2138220	45.751	ug/l	100
79) 2-Chlorotoluene	12.67	91	1300899	43.760	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1614393	46.595	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	149763	48.001	ug/l	98
82) 4-Chlorotoluene	12.77	91	1290009	46.714	ug/l	100
83) tert-Butylbenzene	12.99	119	1317494	43.806	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1561127	48.788	ug/l	100
85) sec-Butylbenzene	13.17	105	1770436	45.707	ug/l	100
86) p-Isopropyltoluene	13.29	119	1550747	49.376	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	750317	48.336	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	720033	47.145	ug/l	99
89) n-Butylbenzene	13.61	91	1228980	53.038	ug/l	100
90) Hexachloroethane	13.87	117	236291	48.594	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	734494	47.348	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91328	48.790	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed May 15 07:28:47 2019
Response via : Initial Calibration

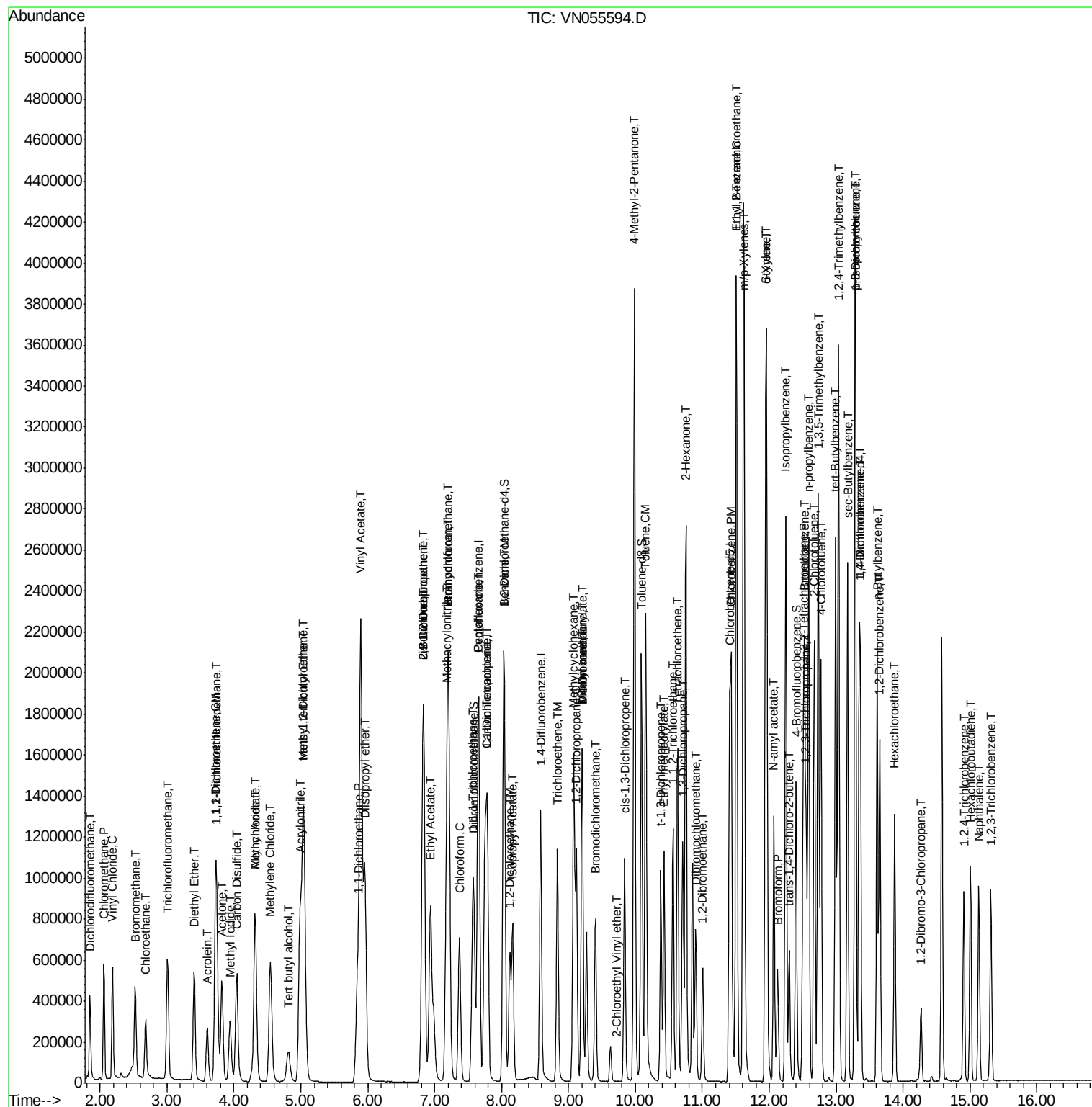
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	306008	48.592	ug/l	99
94) Hexachlorobutadiene	15.01	225	212452	49.741	ug/l	99
95) Naphthalene	15.13	128	821223	48.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	328644	49.106	ug/l	100

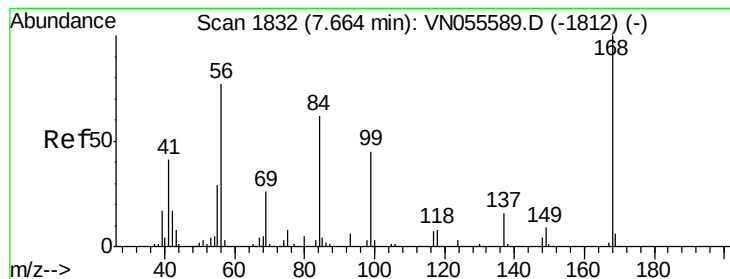
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

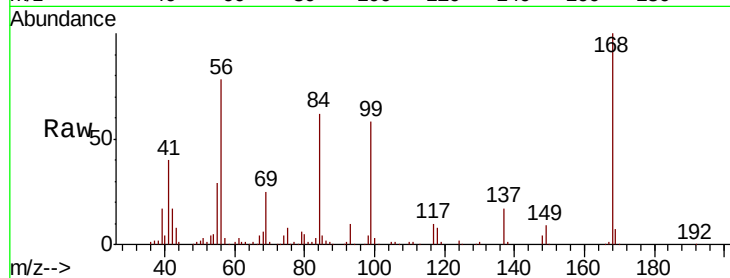
KR-02_4-14MSD

Tot Ion:168 Resp: 701664

Ion Ratio Lower Upper

168 100

99 56.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

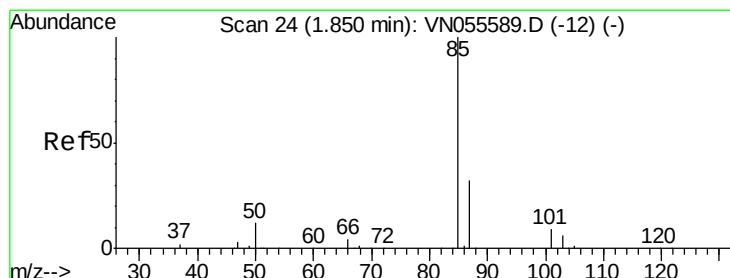
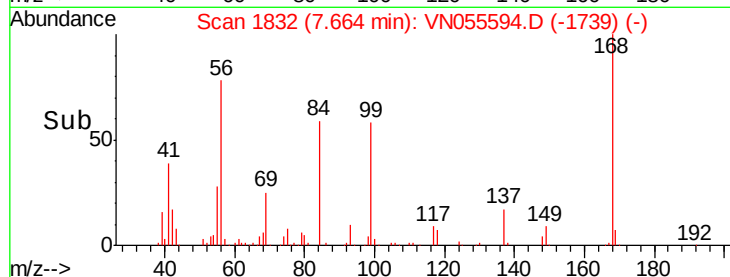
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.600 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055594.D

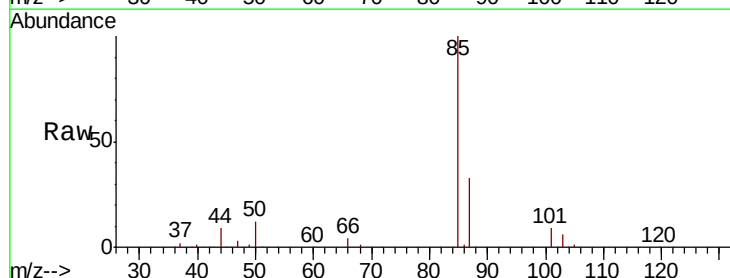
Acq: 14 May 2019 15:26

Tgt Ion: 85 Resp: 333687

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

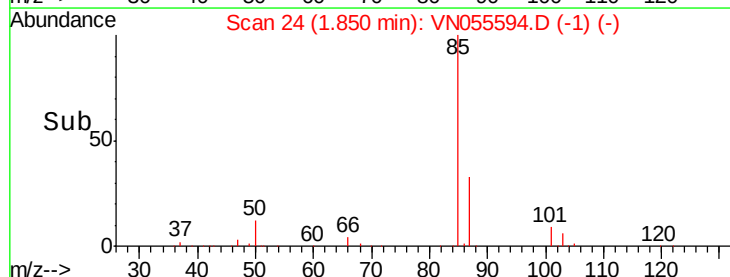
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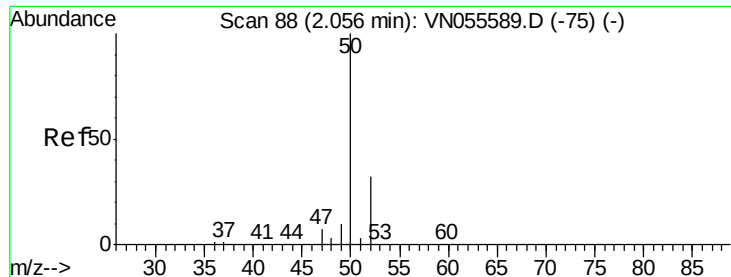
100000

50000

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Time-->





#3

Chloromethane

Concen: 45.762 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

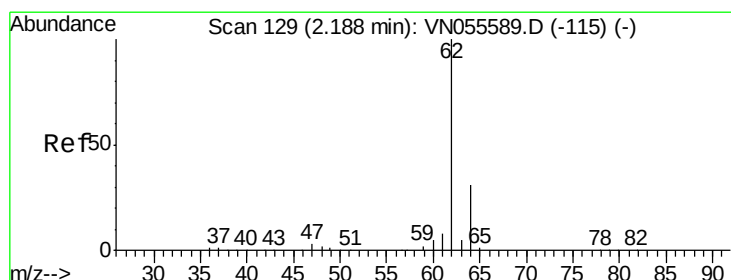
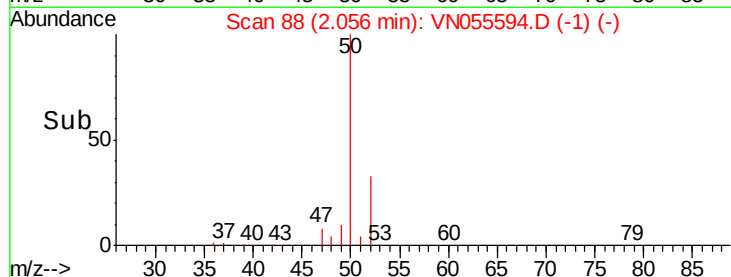
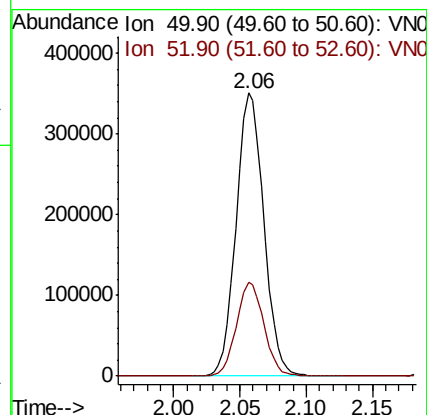
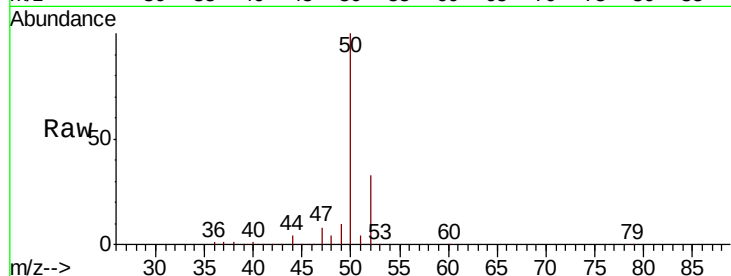
KR-02_4-14MSD

Tot Ion: 50 Resp: 509787

Ion Ratio Lower Upper

50 100

52 33.0 25.5 38.3



#4

Vinyl Chloride

Concen: 47.195 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055594.D

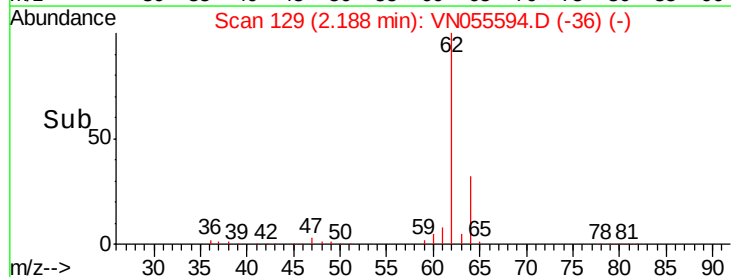
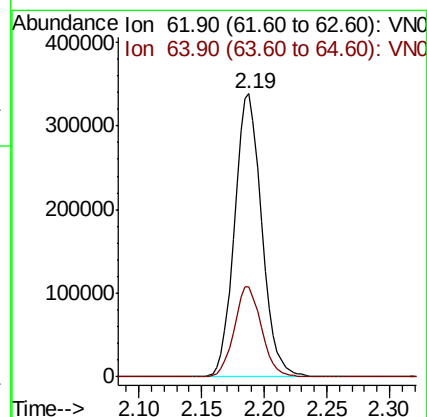
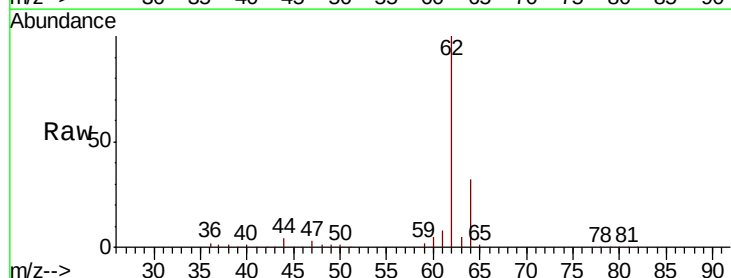
Acq: 14 May 2019 15:26

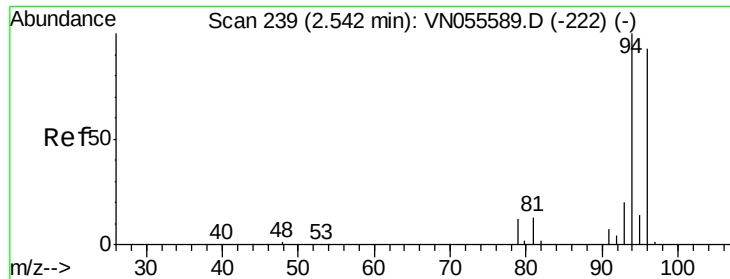
Tgt Ion: 62 Resp: 512416

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7

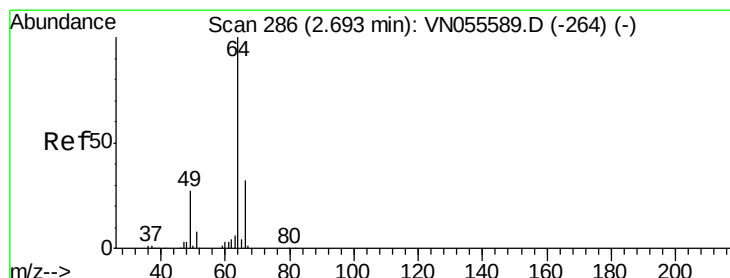
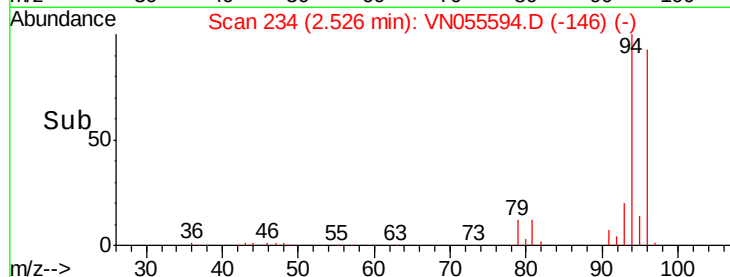
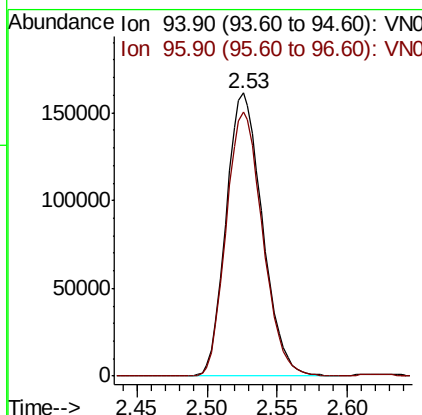
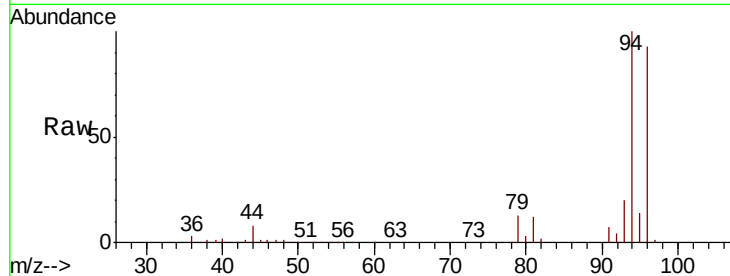




#5
Bromomethane
Concen: 45.556 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.02 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

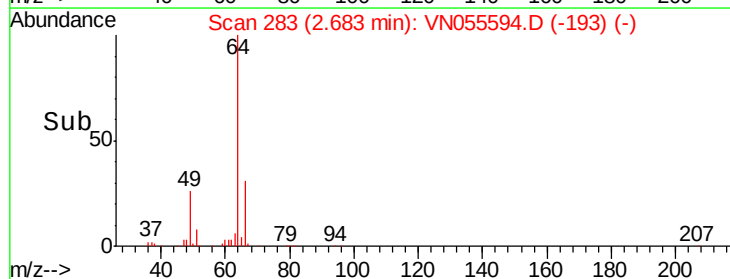
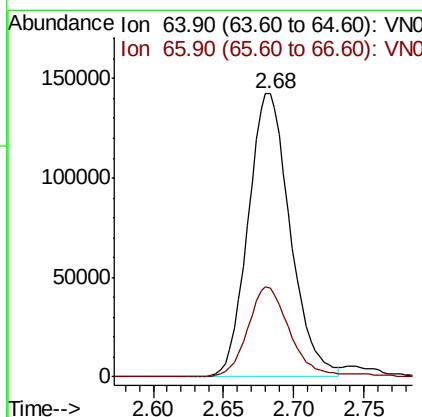
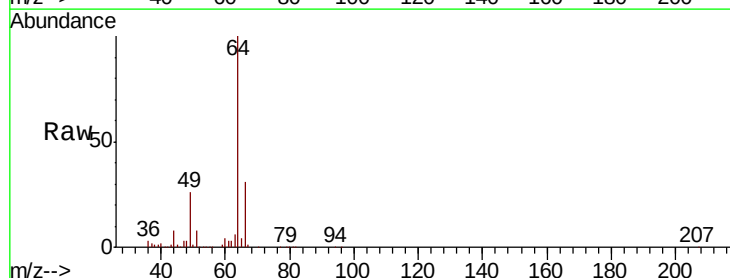
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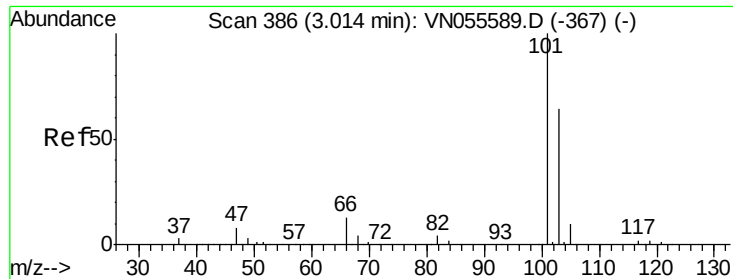
Tot Ion: 94 Resp: 288886
Ion Ratio Lower Upper
94 100
96 93.4 74.0 111.0



#6
Chloroethane
Concen: 45.184 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion: 64 Resp: 297356
Ion Ratio Lower Upper
64 100
66 31.4 25.8 38.6



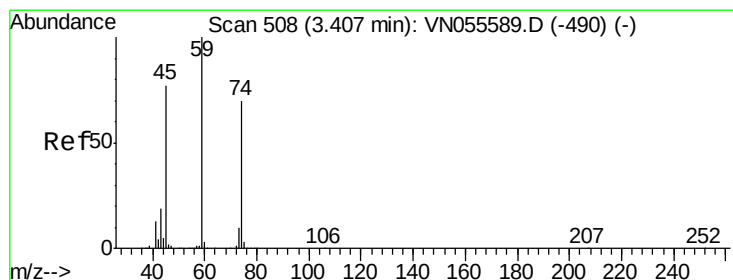
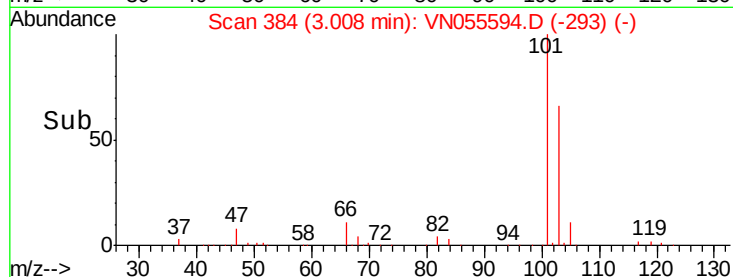
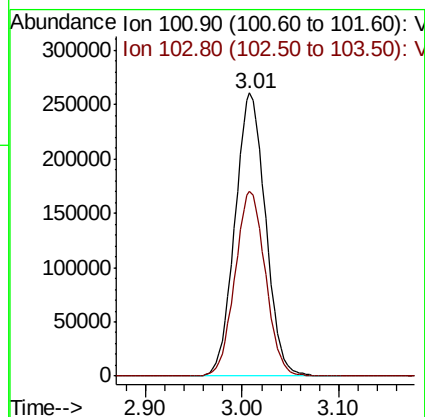
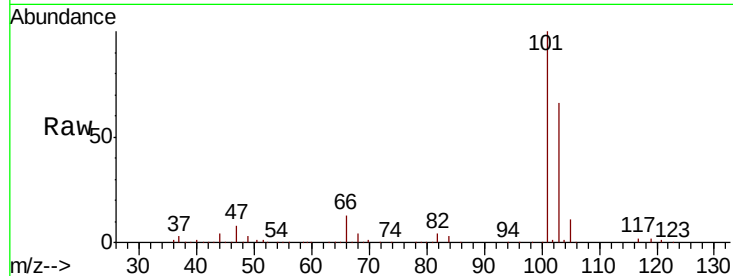


#7

Trichlorofluoromethane
Concen: 47.251 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.01 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14MSD

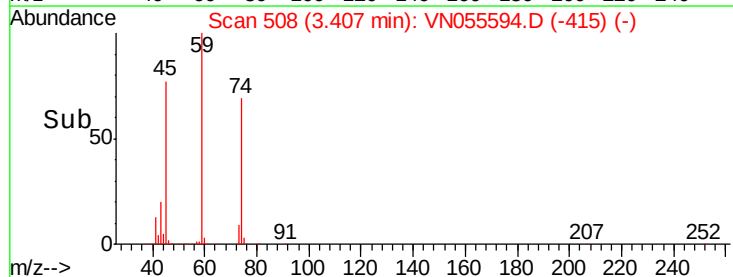
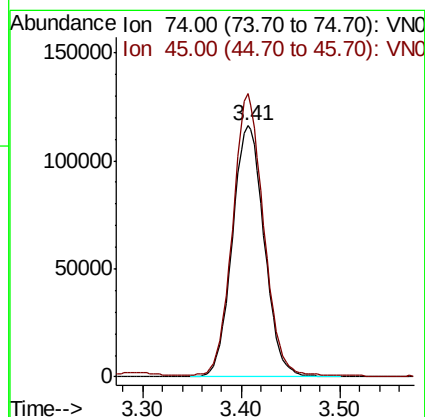
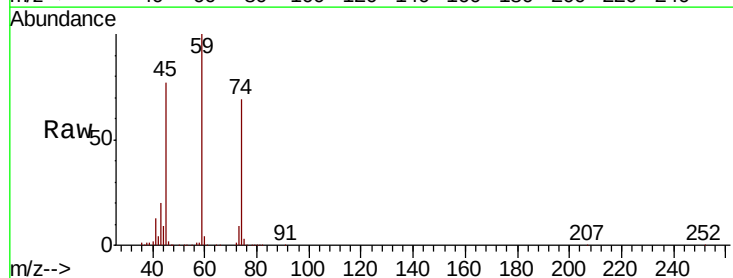
Tot Ion:101 Resp: 571840
Ion Ratio Lower Upper
101 100
103 65.5 51.0 76.6

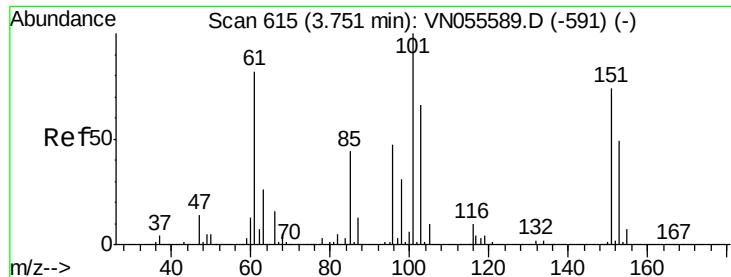


#8

Diethyl Ether
Concen: 48.377 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN055594.D
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Tgt Ion: 74 Resp: 261590
Ion Ratio Lower Upper
74 100
45 107.9 54.9 164.7

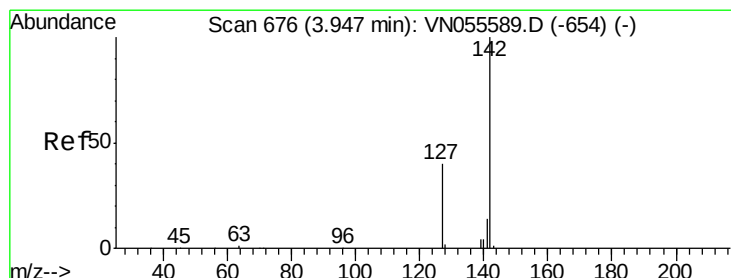
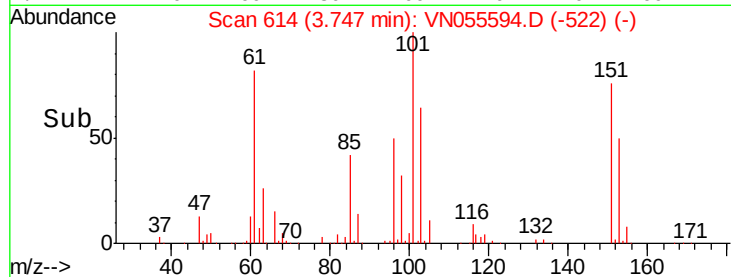
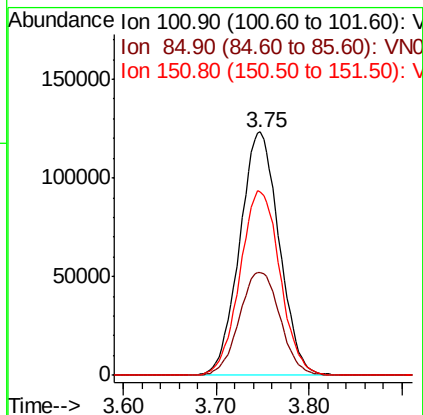
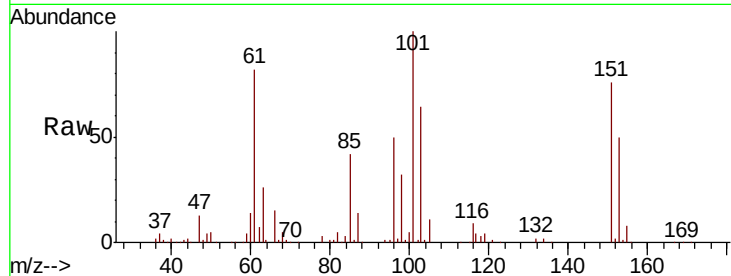




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.886 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

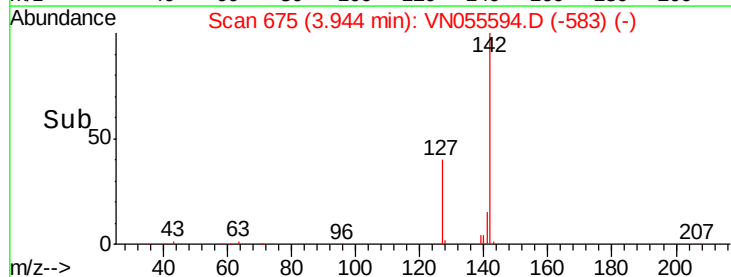
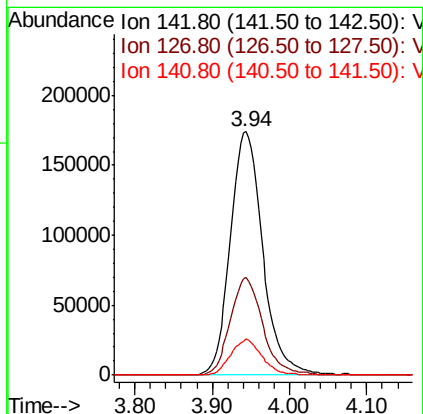
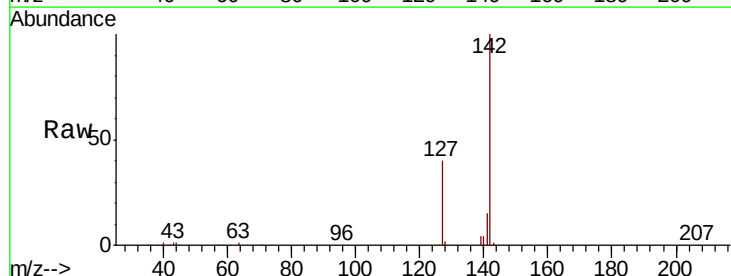
Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14MSD

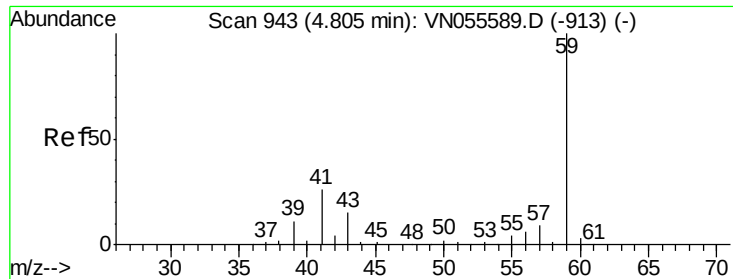
Tot Ion	Ratio	Lower	Upper
101	100		
85	43.6	34.2	51.2
151	76.8	60.2	90.2



#10
 Methyl Iodide
 Concen: 52.131 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.1	32.5	48.7
141	14.2	11.2	16.8

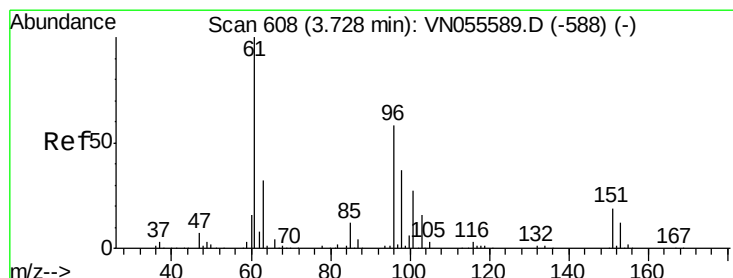
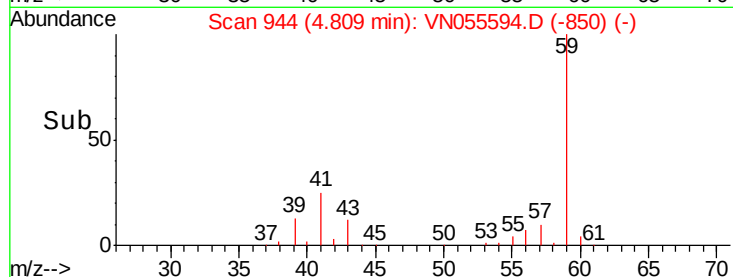
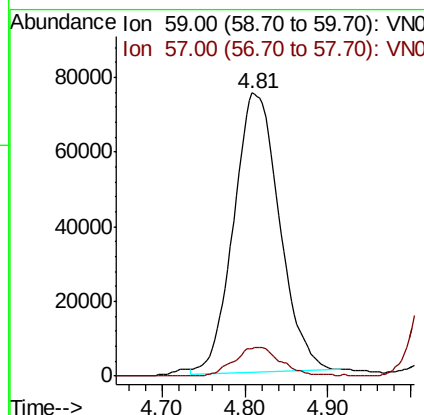
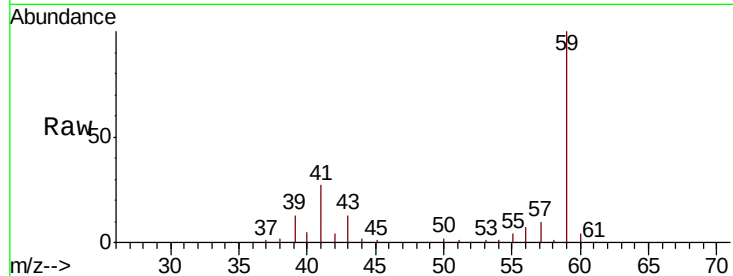




#11
 Tert butyl alcohol
 Concen: 228.885 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

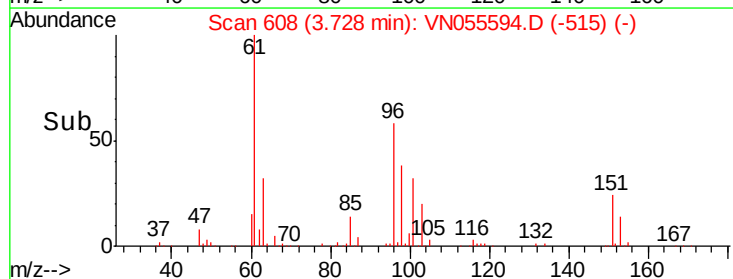
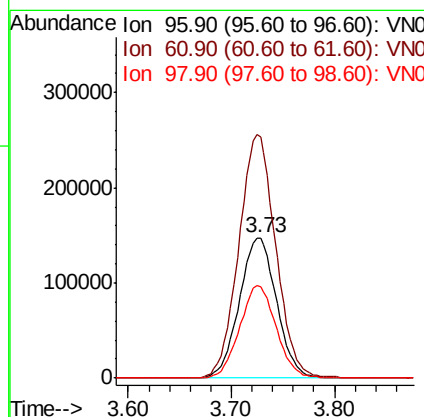
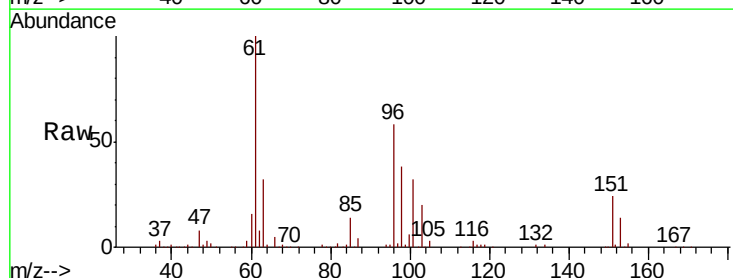
Instrument :
 MSVOA_N
 ClientSampled :
 KR-02_4-14MSD

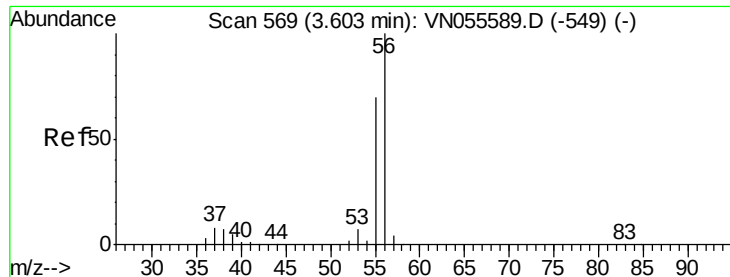
Tot Ion: 59 Resp: 288239
 Ion Ratio Lower Upper
 59 100
 57 10.6 7.6 11.4



#12
 1,1-Dichloroethene
 Concen: 48.450 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion: 96 Resp: 369610
 Ion Ratio Lower Upper
 96 100
 61 171.4 137.5 206.3
 98 65.0 50.3 75.5





#13

Acrolein

Concen: 239.231 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampled :

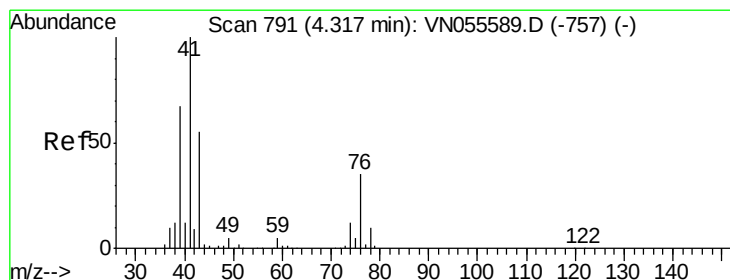
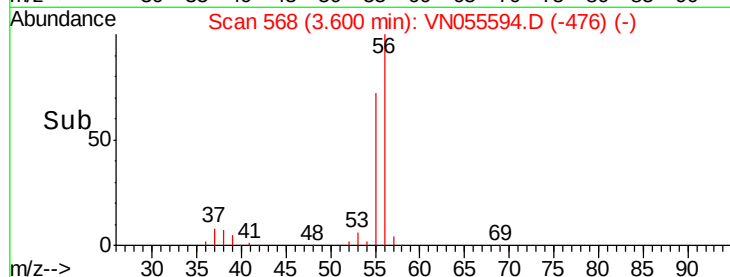
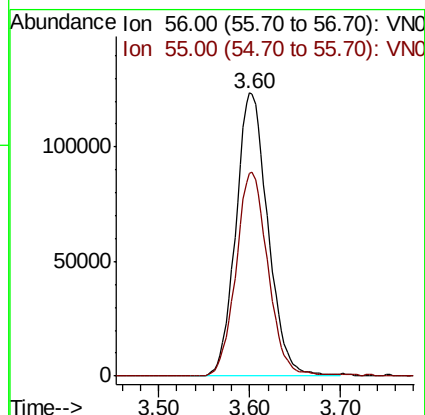
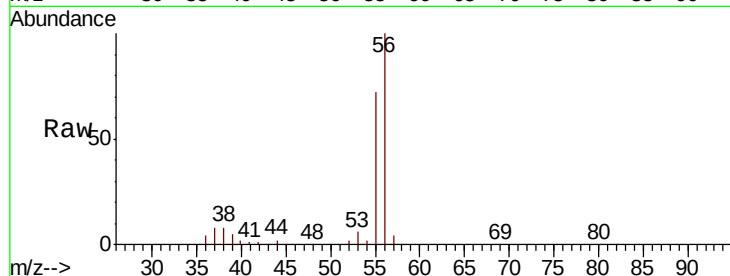
KR-02_4-14MSD

Tot Ion: 56 Resp: 302273

Ion Ratio Lower Upper

56 100

55 71.8 57.1 85.7



#14

Allyl chloride

Concen: 48.877 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

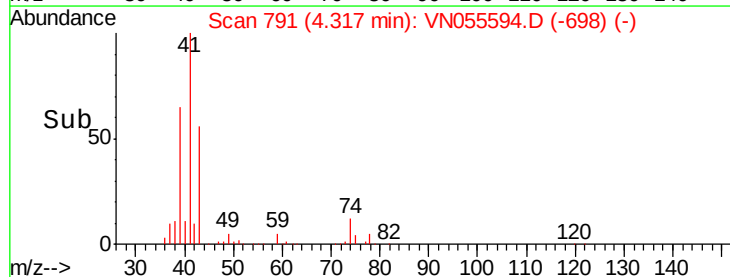
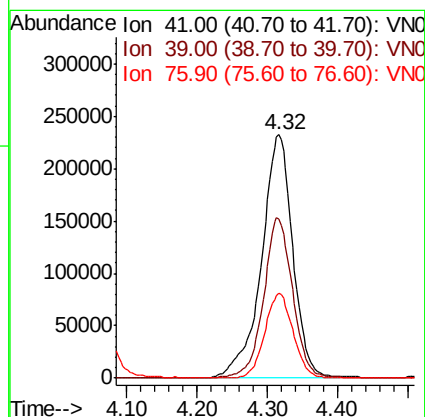
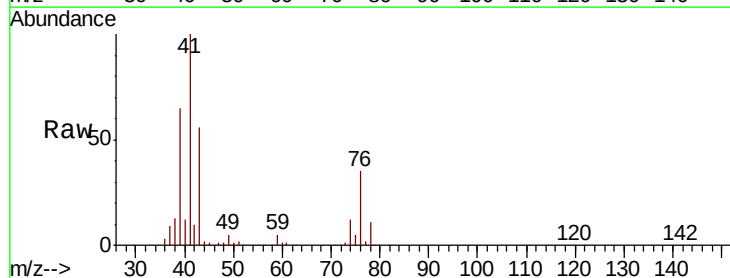
Tgt Ion: 41 Resp: 718352

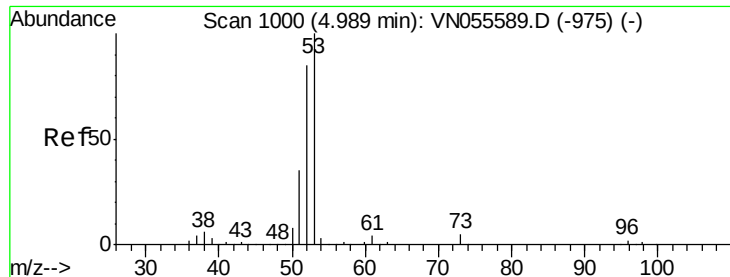
Ion Ratio Lower Upper

41 100

39 61.3 49.3 73.9

76 31.1 24.7 37.1





#15

Acrylonitrile

Concen: 249.889 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MSD

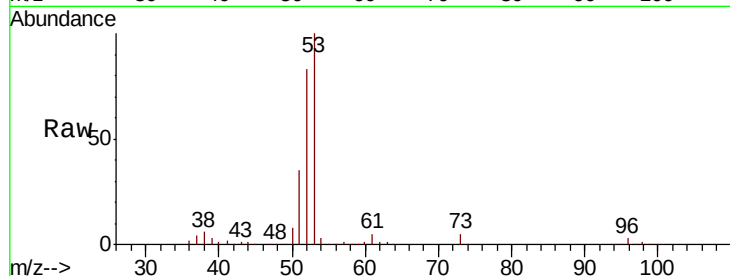
Tot Ion: 53 Resp: 1056734

Ion Ratio Lower Upper

53 100

52 82.6 65.6 98.4

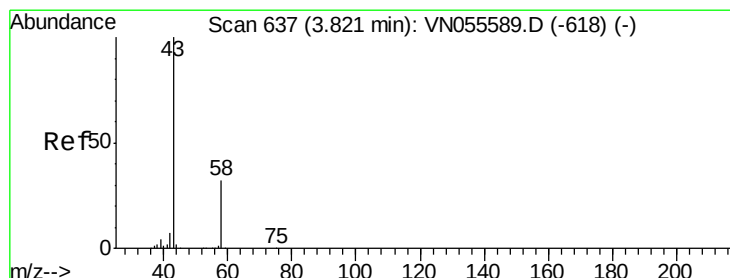
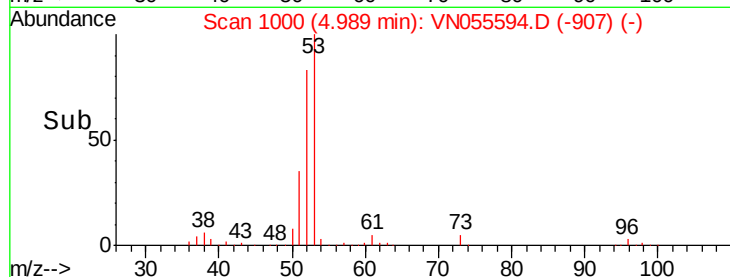
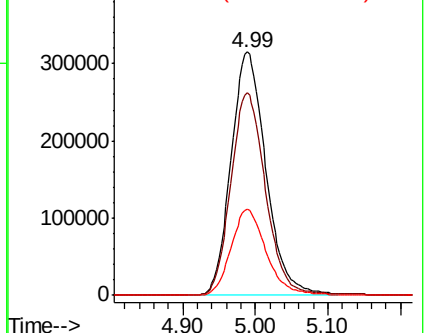
51 35.7 28.3 42.5



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: 178.400 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055594.D

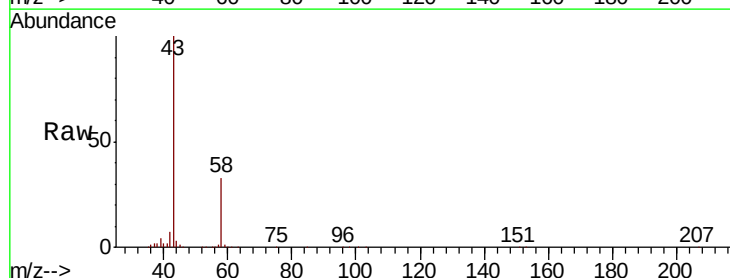
Acq: 14 May 2019 15:26

Tgt Ion: 43 Resp: 799781

Ion Ratio Lower Upper

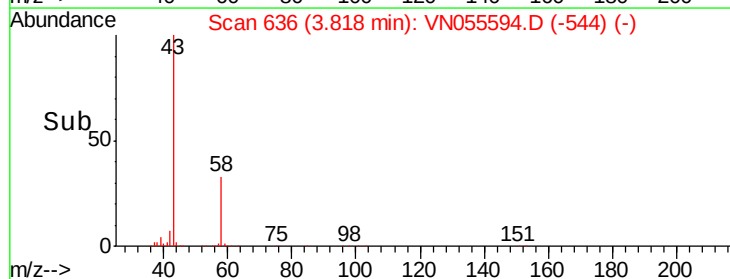
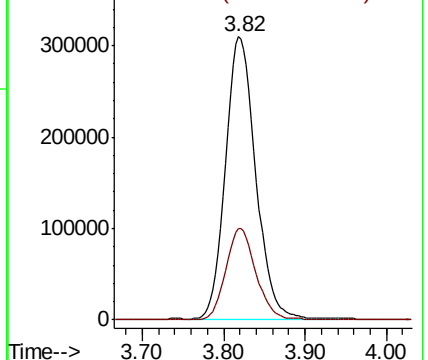
43 100

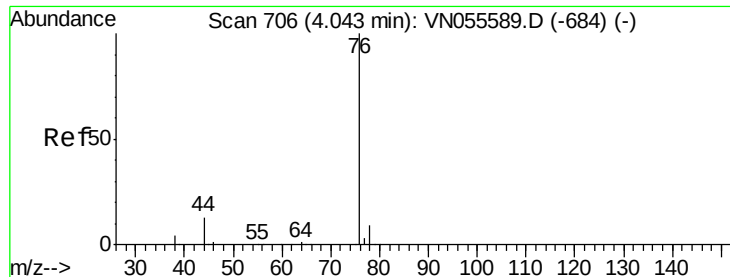
58 32.5 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 48.683 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

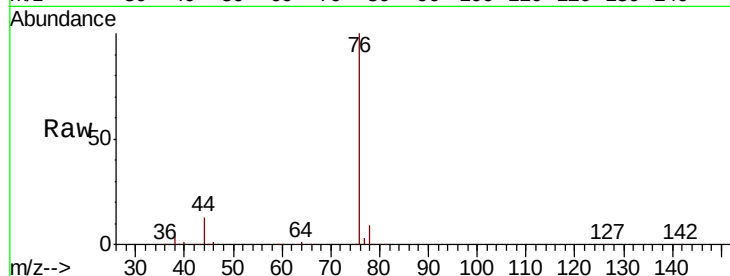
KR-02_4-14MSD

Tot Ion: 76 Resp: 1064234

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN055589.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN055589.D (-684) (-)

4.04

400000

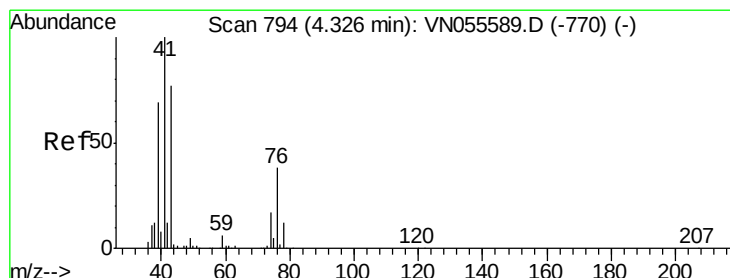
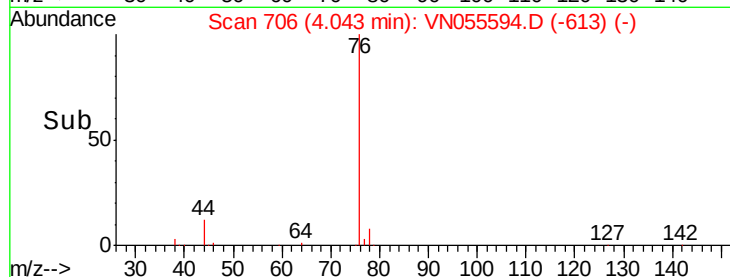
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 50.749 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055594.D

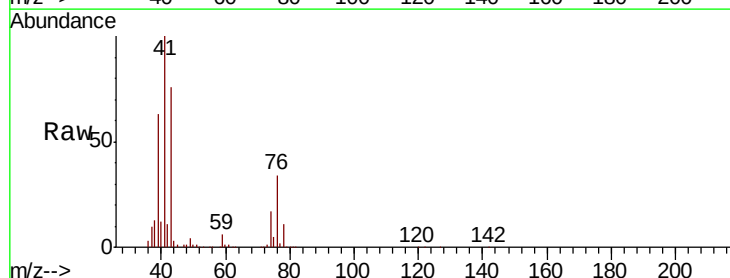
Acq: 14 May 2019 15:26

Tgt Ion: 43 Resp: 426440

Ion Ratio Lower Upper

43 100

74 22.4 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN055589.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN055589.D (-770) (-)

4.33

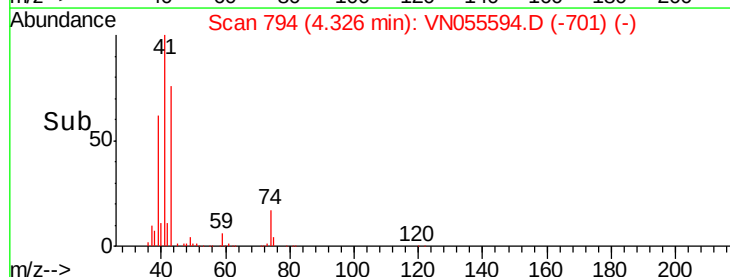
150000

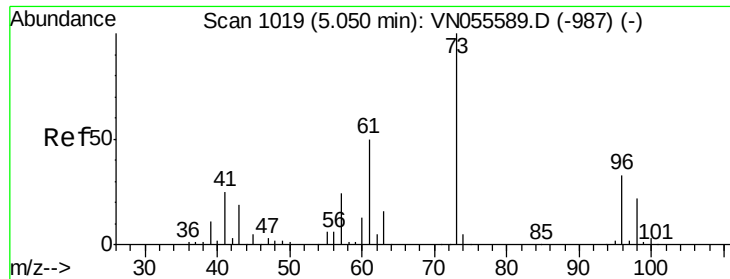
100000

50000

0

Time-->

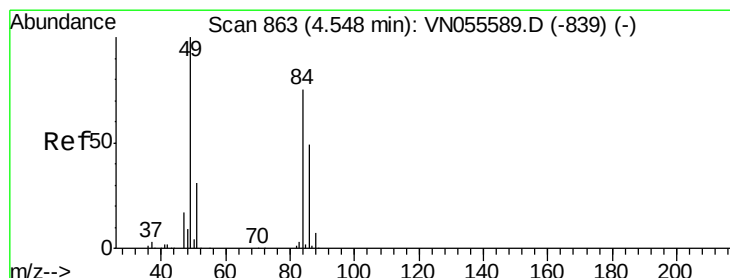
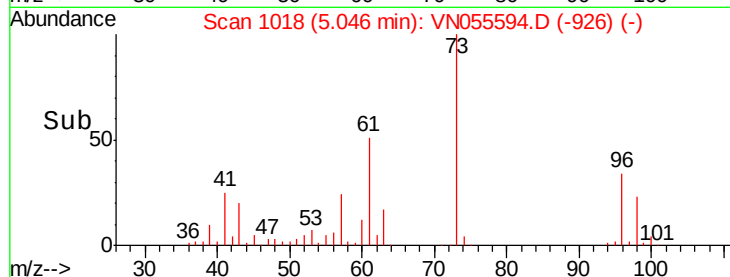
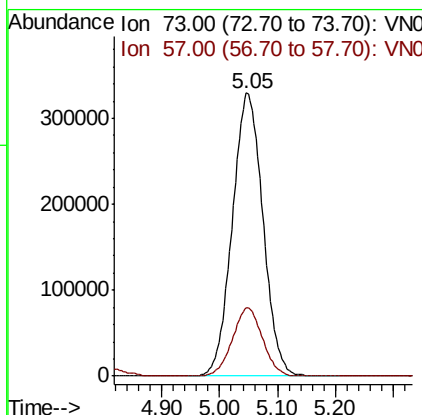
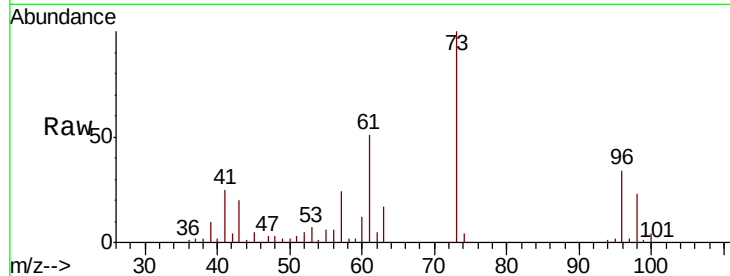




#19
Methyl tert-butyl Ether
Concen: 50.767 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

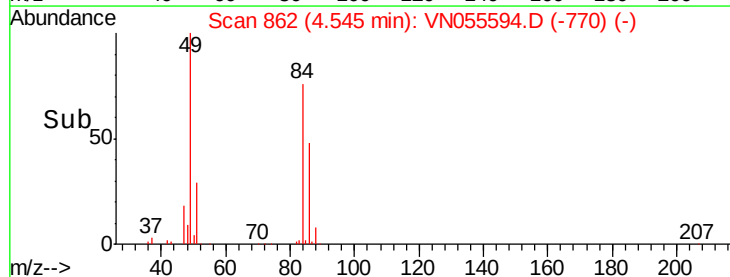
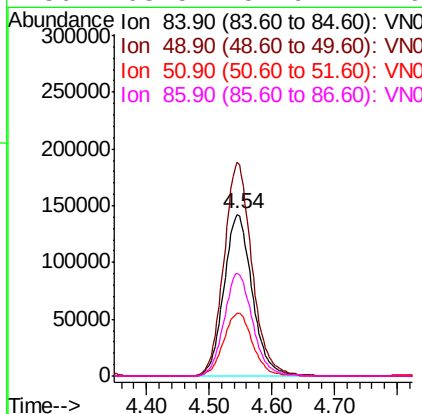
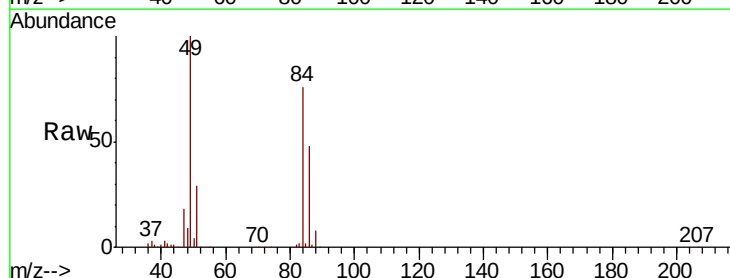
Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14MSD

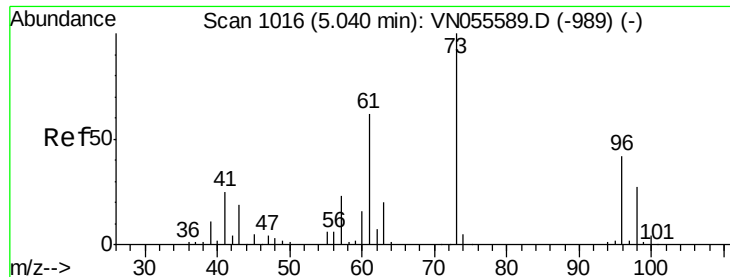
Tot Ion: 73 Resp: 1209056
Ion Ratio Lower Upper
73 100
57 24.2 18.9 28.3



#20
Methylene Chloride
Concen: 47.186 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion: 84 Resp: 445231
Ion Ratio Lower Upper
84 100
49 131.8 106.2 159.2
51 38.7 32.7 49.1
86 63.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 49.253 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampled :

KR-02_4-14MSD

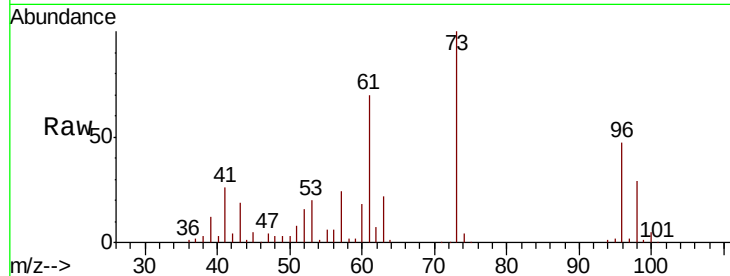
Tot Ion: 96 Resp: 408416

Ion Ratio Lower Upper

96 100

61 149.1 117.8 176.6

98 61.9 51.4 77.2

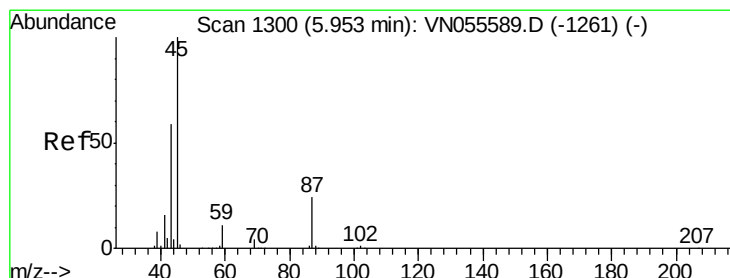
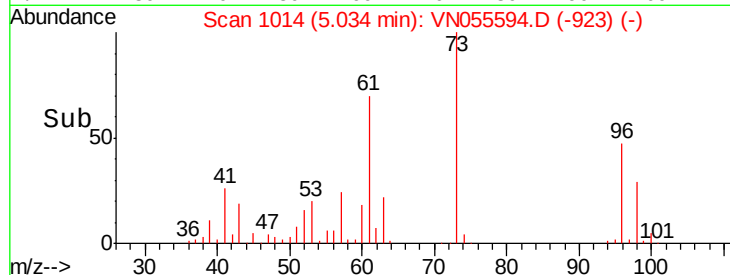
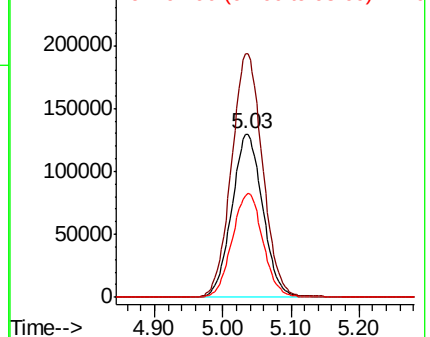


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.250 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Tgt Ion: 45 Resp: 1483368

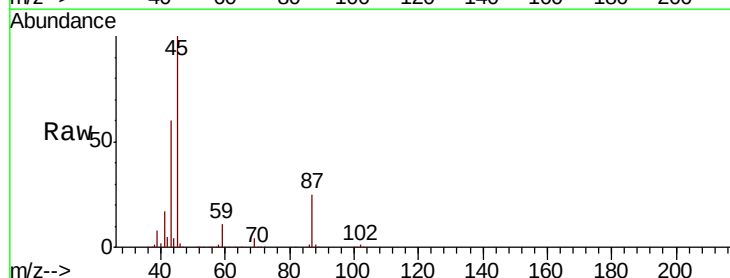
Ion Ratio Lower Upper

45 100

43 59.1 47.1 70.7

87 24.5 19.5 29.3

59 11.4 9.0 13.4



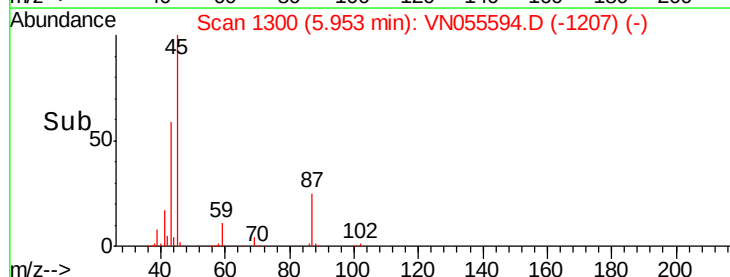
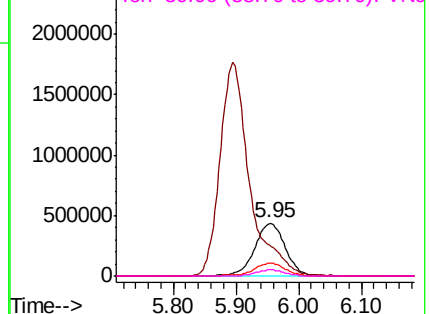
Abundance

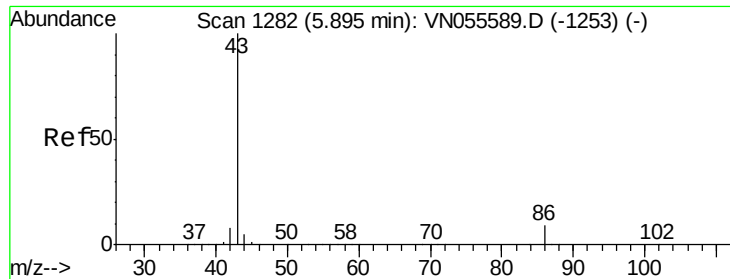
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 262.429 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

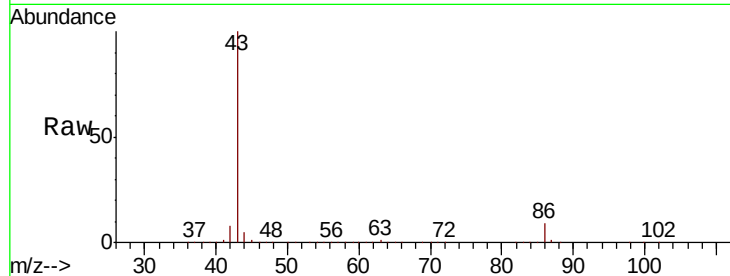
KR-02_4-14MSD

Tot Ion: 43 Resp: 5804572

Ion Ratio Lower Upper

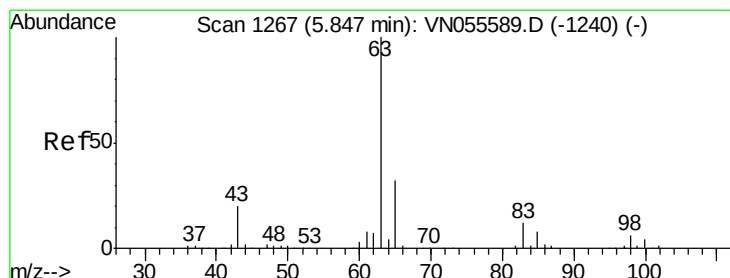
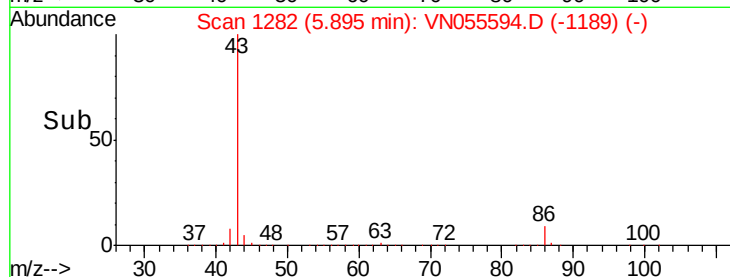
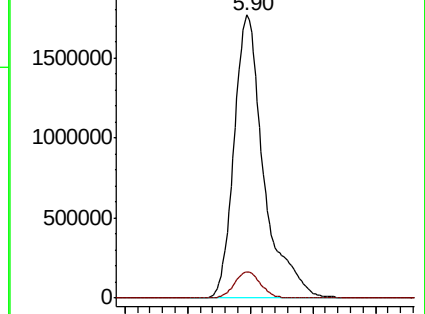
43 100

86 9.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN055589.D (-1253) (-)

Ion 86.00 (85.70 to 86.70): VN055589.D (-1253) (-)



#24

1,1-Dichloroethane

Concen: 49.043 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

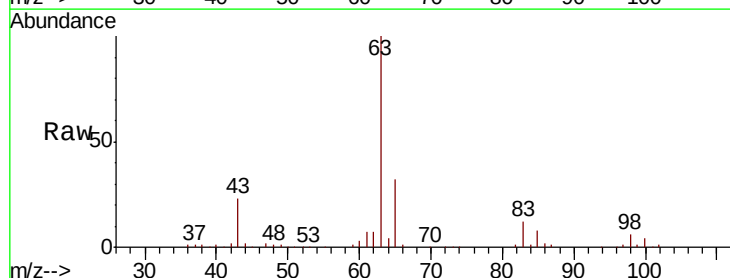
Tgt Ion: 63 Resp: 804042

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

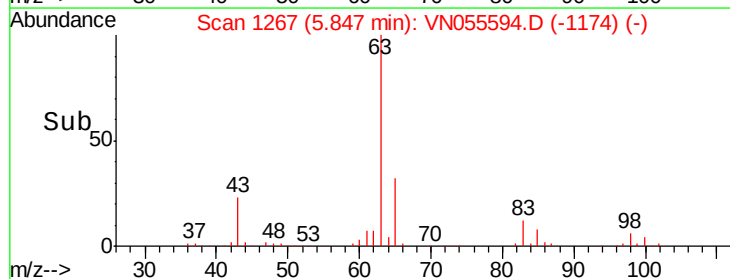
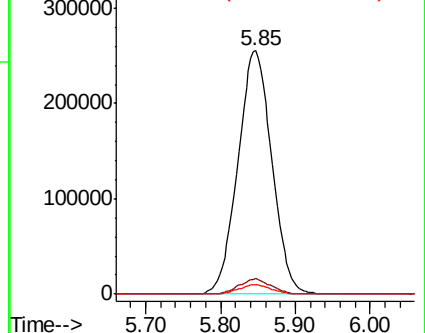
100 3.7 2.1 6.3

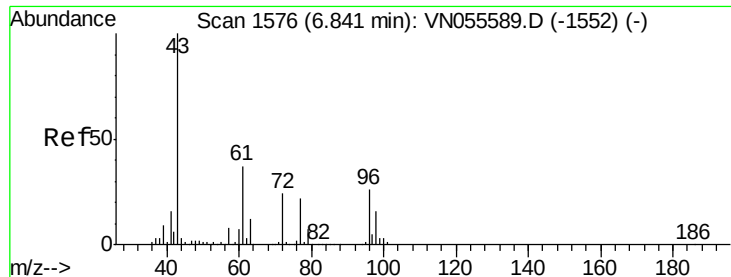


Abundance Ion 62.90 (62.60 to 63.60): VN055589.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN055589.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN055589.D (-1240) (-)

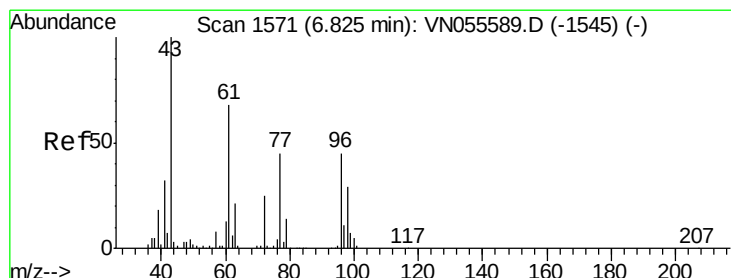
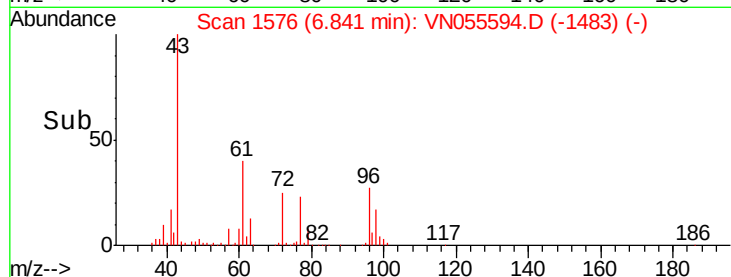
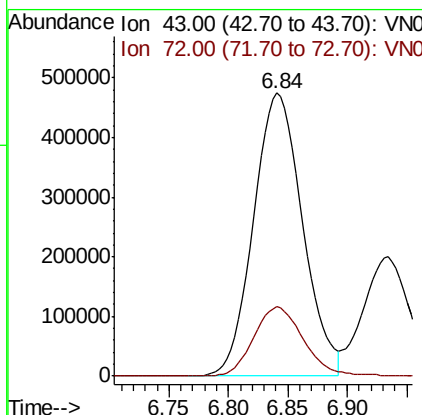
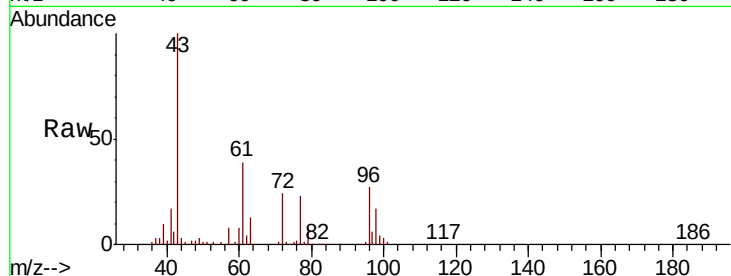




#25
 2-Butanone
 Concen: 229.585 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

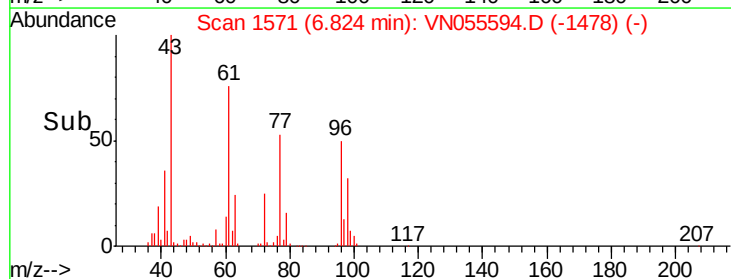
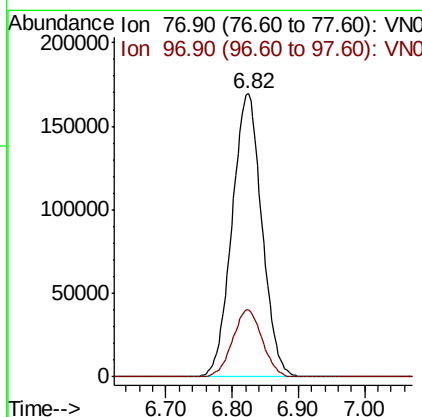
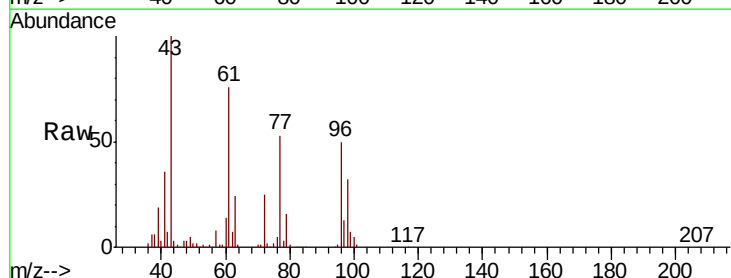
Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14MSD

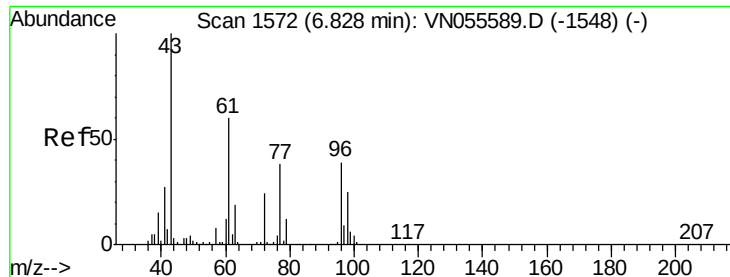
Tot Ion: 43 Resp: 1348936
 Ion Ratio Lower Upper
 43 100
 72 24.5 19.5 29.3



#26
 2,2-Dichloropropane
 Concen: 49.991 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion: 77 Resp: 529345
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.7 35.1

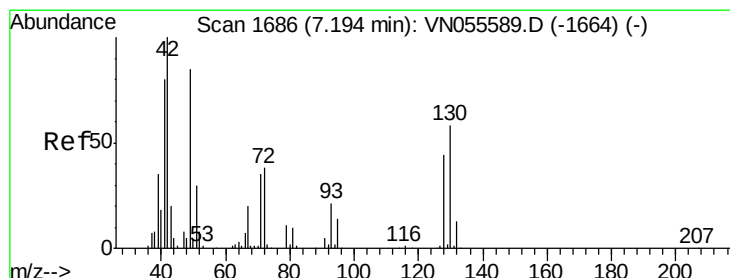
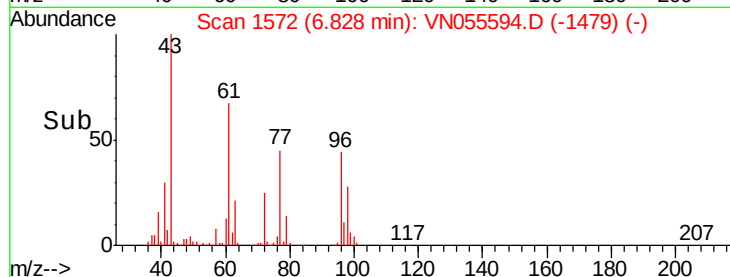
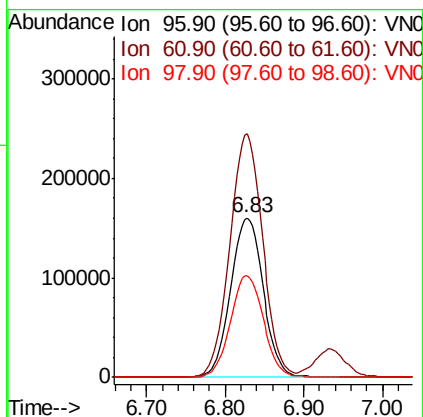
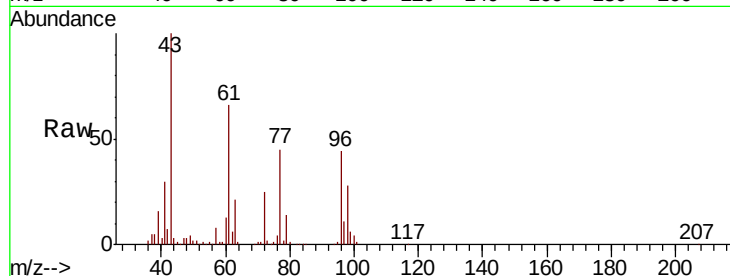




#27
 cis-1,2-Dichloroethene
 Concen: 48.460 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

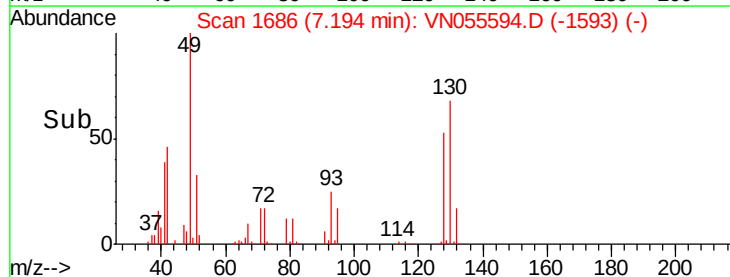
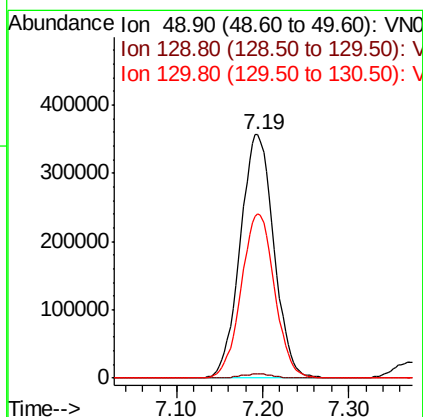
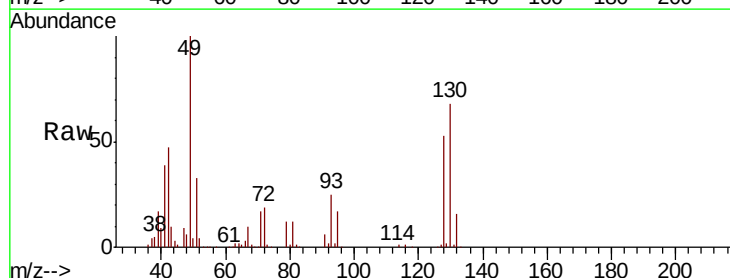
Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14MSD

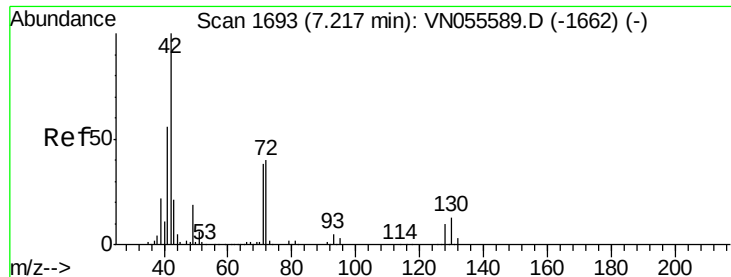
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	305.0
98	64.5	0.0	128.2



#28
 Bromochloromethane
 Concen: 121.761 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	66.9	52.4	78.6

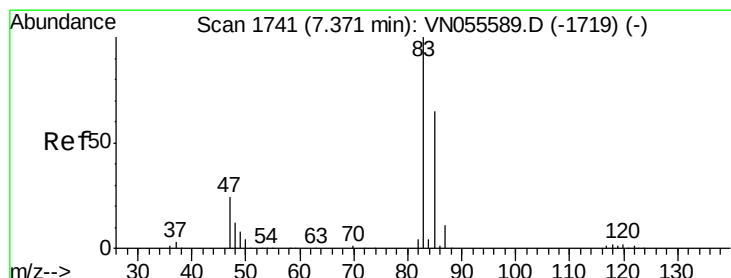
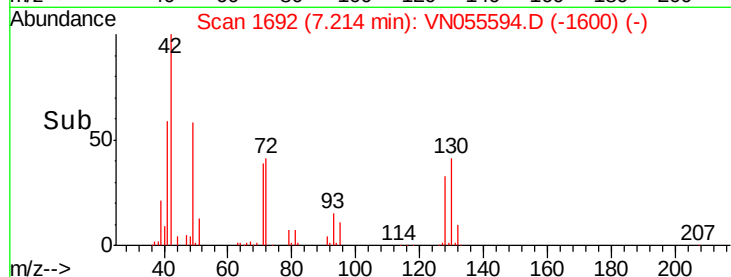
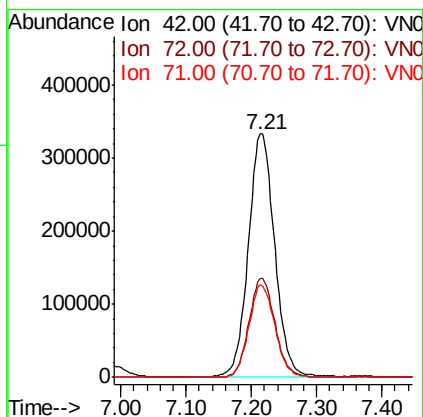
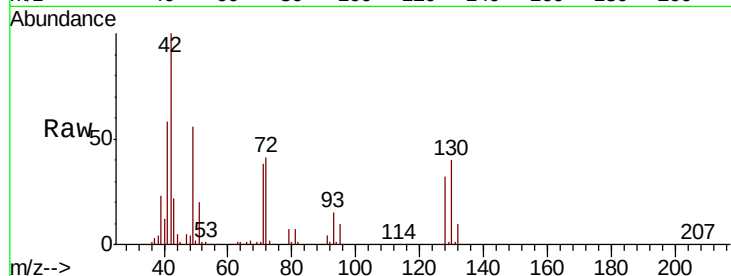




#29
Tetrahydrofuran
Concen: 244.998 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

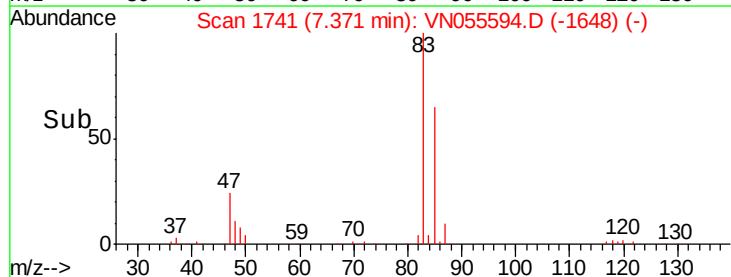
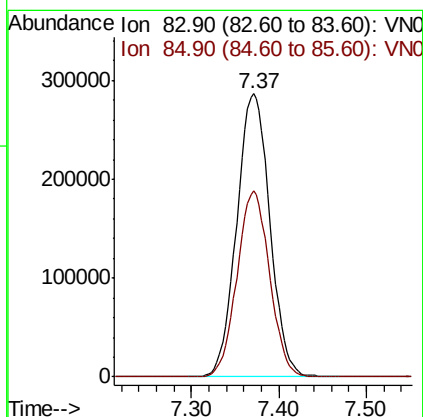
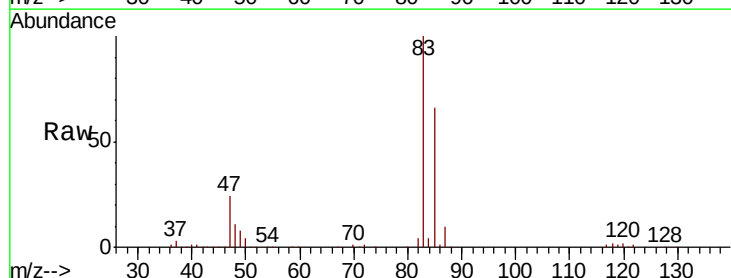
Instrument :
MSVOA_N
ClientSampled :
KR-02_4-14MSD

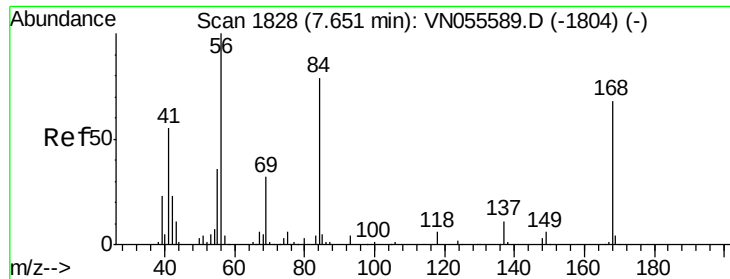
Tot Ion: 42 Resp: 933202
Ion Ratio Lower Upper
42 100
72 40.0 31.4 47.2
71 37.7 29.9 44.9



#30
Chloroform
Concen: 49.074 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion: 83 Resp: 752924
Ion Ratio Lower Upper
83 100
85 65.5 51.9 77.9

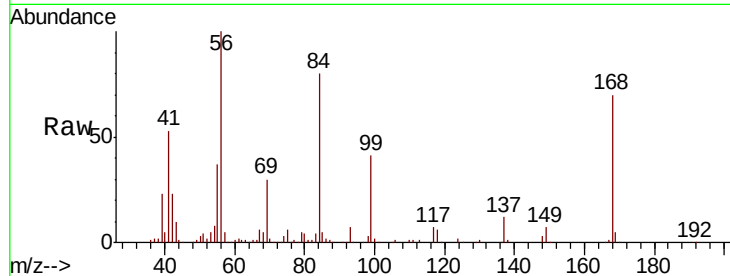




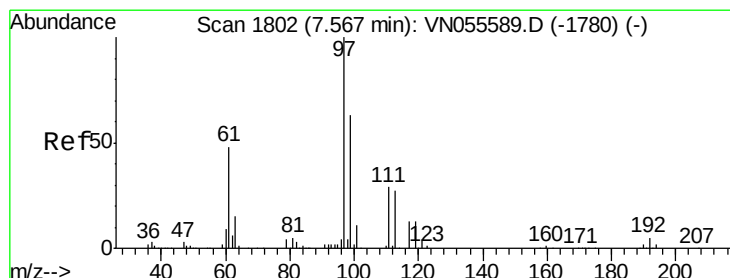
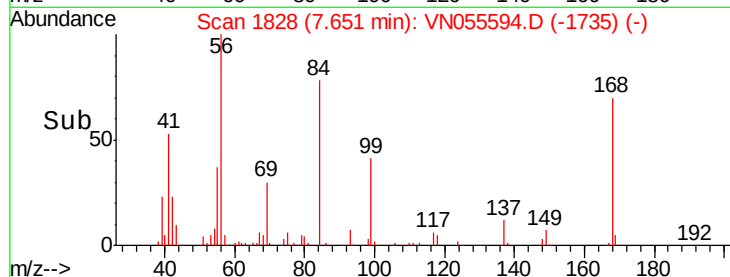
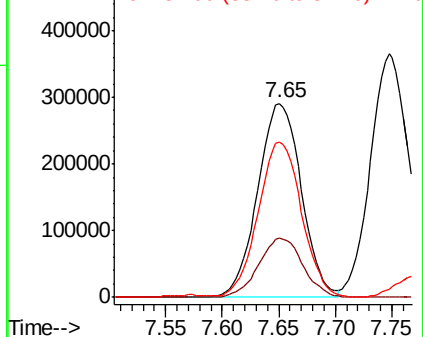
#31
Cyclohexane
Concen: 47.773 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14MSD

Tot Ion: 56 Resp: 779416
Ion Ratio Lower Upper
56 100
69 30.4 25.7 38.5
84 79.1 63.4 95.0

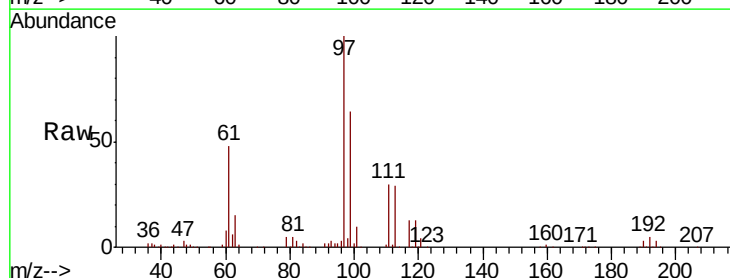


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

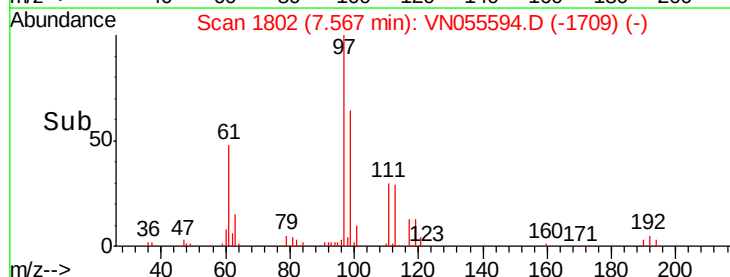
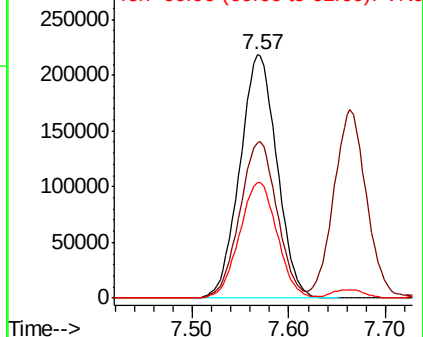


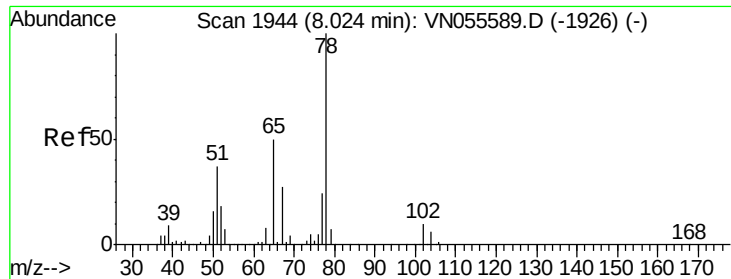
#32
1,1,1-Trichloroethane
Concen: 48.949 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion: 97 Resp: 581534
Ion Ratio Lower Upper
97 100
99 64.9 50.8 76.2
61 48.3 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

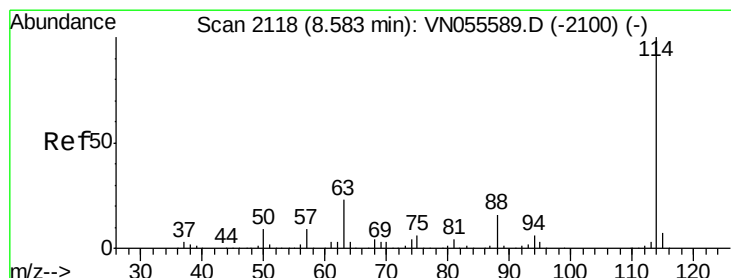
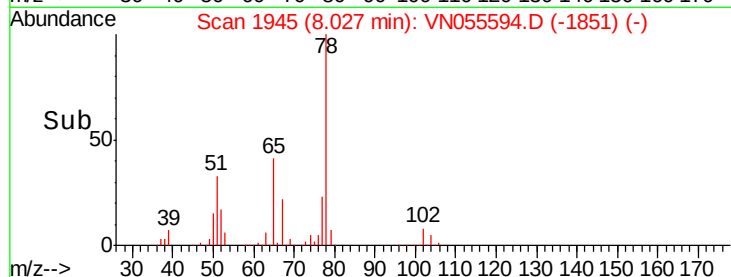
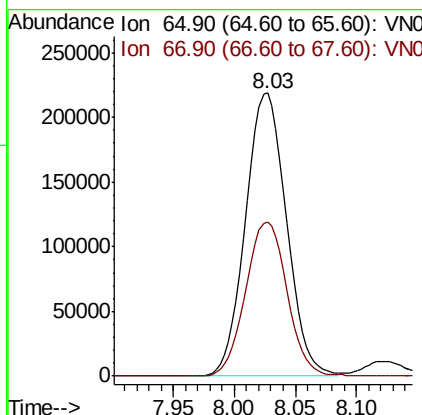
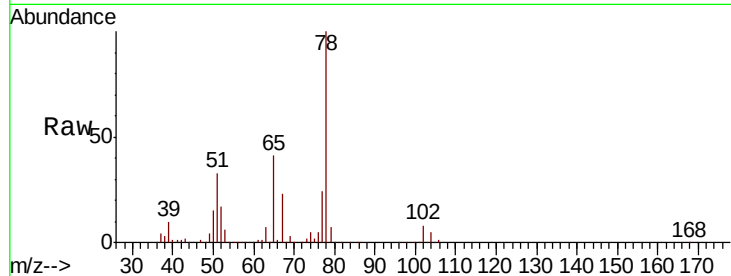




#33
 1,2-Dichloroethane-d4
 Concen: 51.611 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

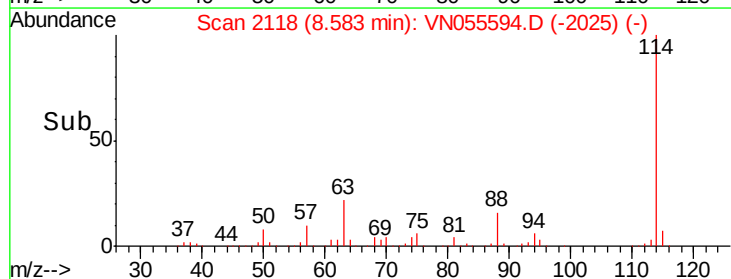
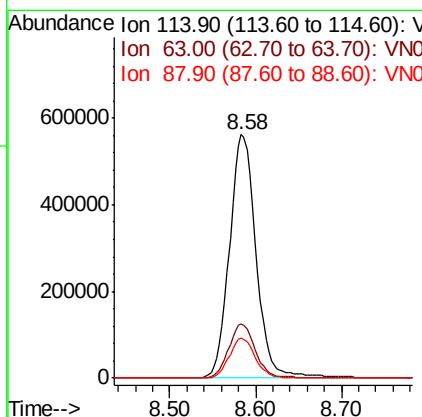
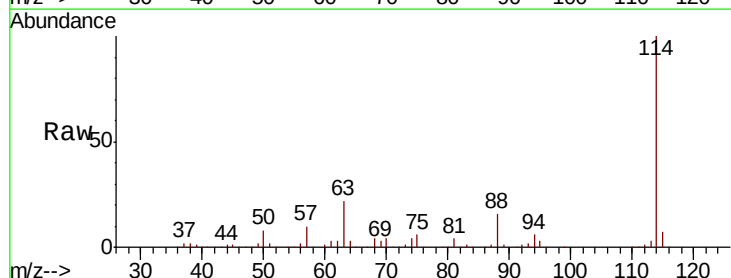
Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14MSD

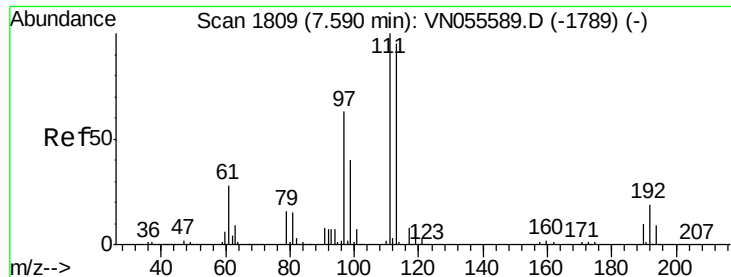
Tot Ion: 65 Resp: 508693
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion: 114 Resp: 1205623
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.8
 88 16.4 0.0 32.6

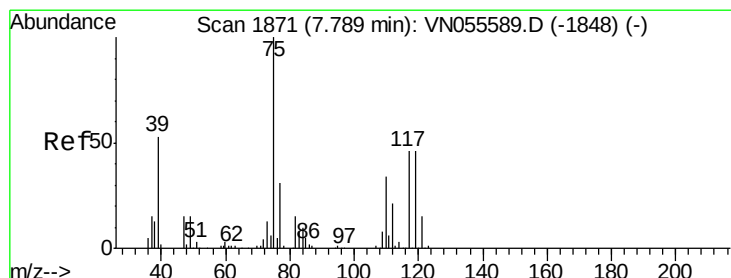
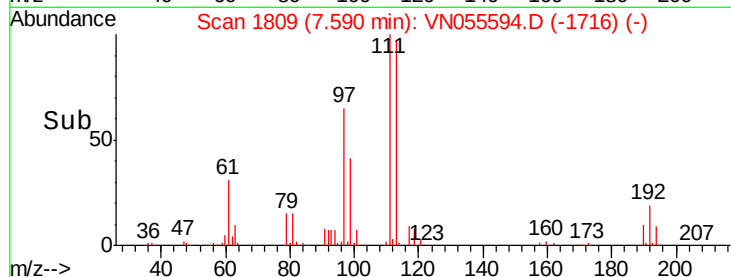
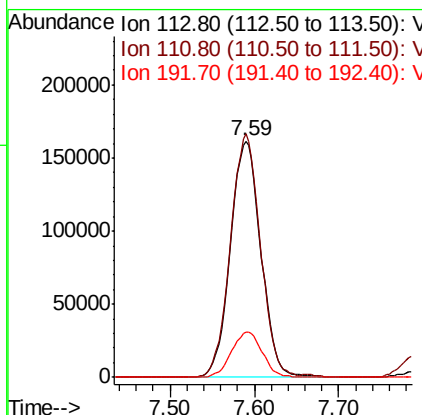
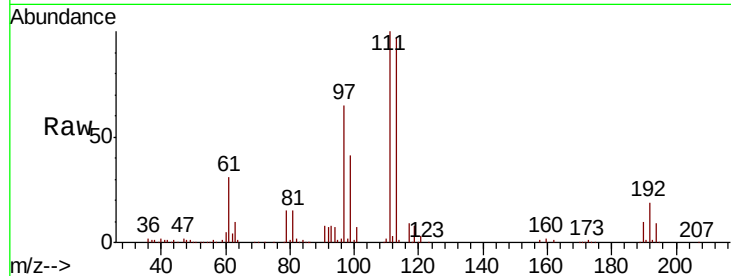




#35
Dibromofluoromethane
Concen: 51.671 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

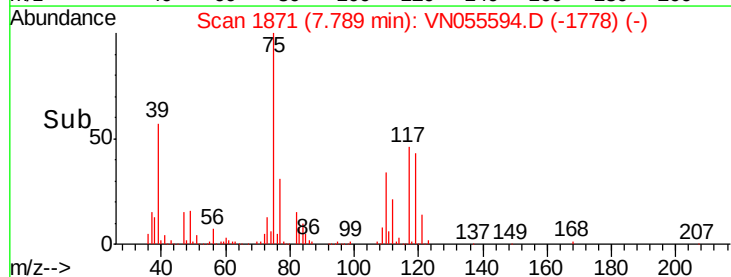
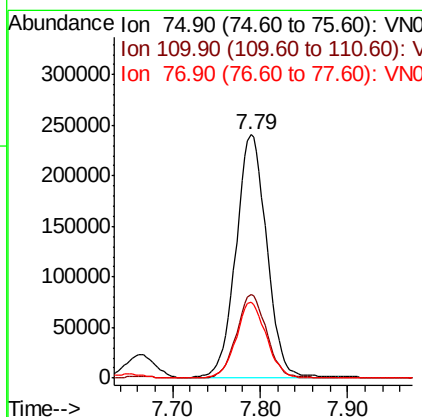
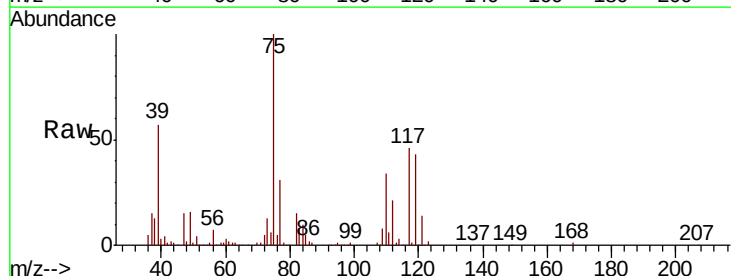
Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14MSD

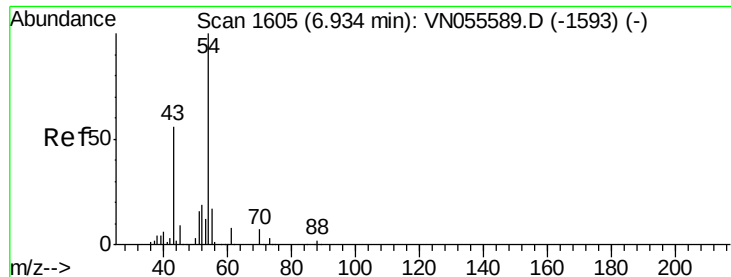
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.5	125.3
192	19.4	16.0	24.0



#36
1,1-Dichloropropene
Concen: 48.702 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	31.0	24.9	37.3

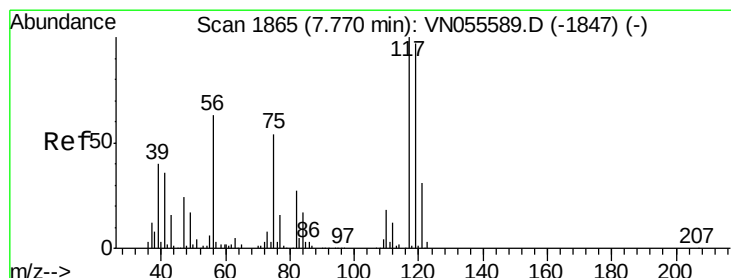
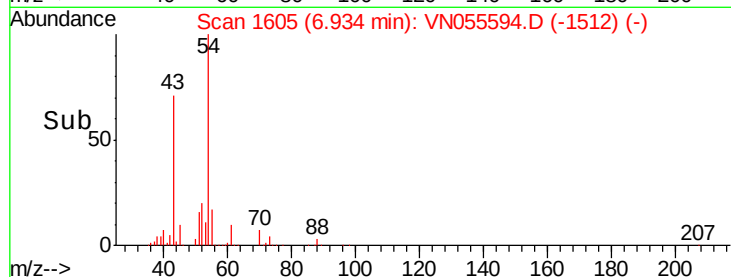
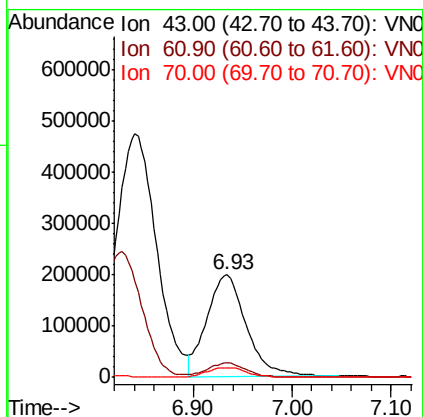
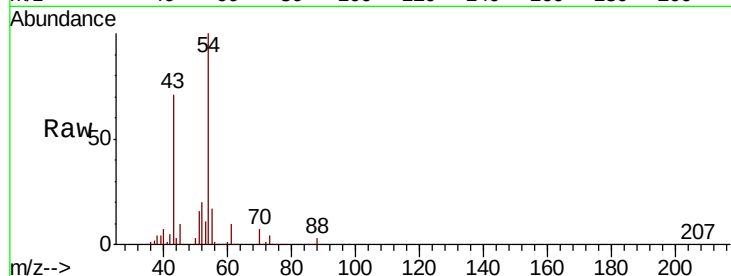




#37
Ethyl Acetate
Concen: 49.310 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

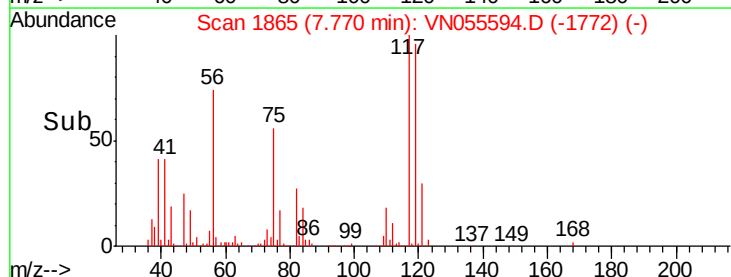
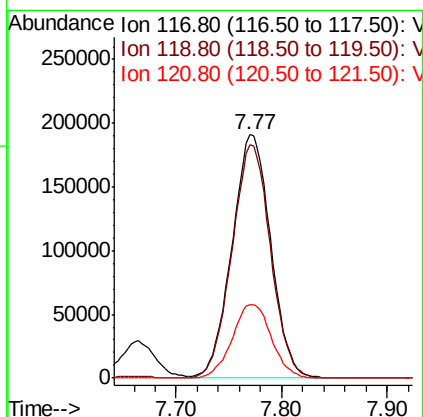
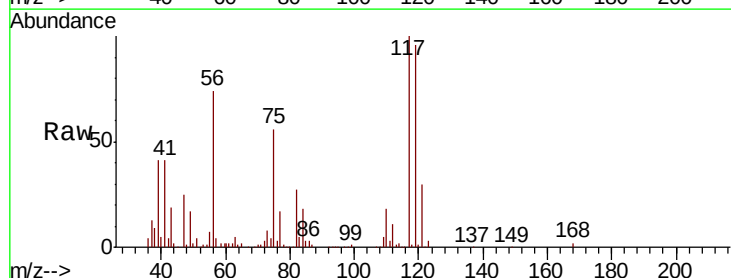
Instrument :
MSVOA_N
ClientSampled :
KR-02_4-14MSD

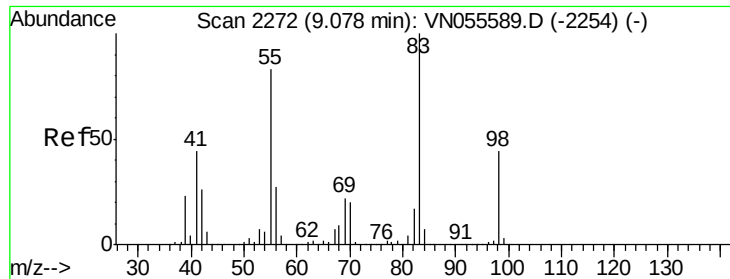
Tot Ion: 43 Resp: 553809
Ion Ratio Lower Upper
43 100
61 13.7 10.8 16.2
70 9.5 7.4 11.2



#38
Carbon Tetrachloride
Concen: 48.847 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion: 117 Resp: 486095
Ion Ratio Lower Upper
117 100
119 95.6 77.1 115.7
121 30.4 24.4 36.6

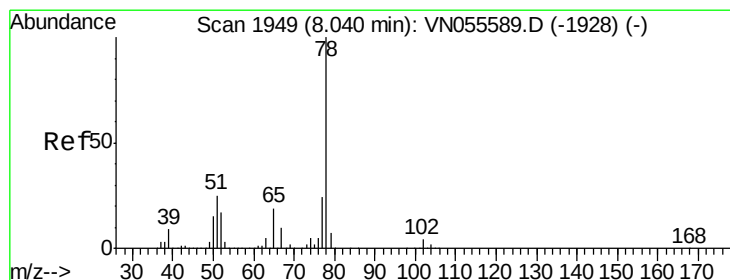
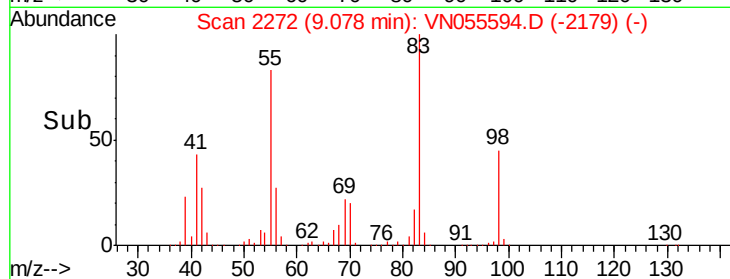
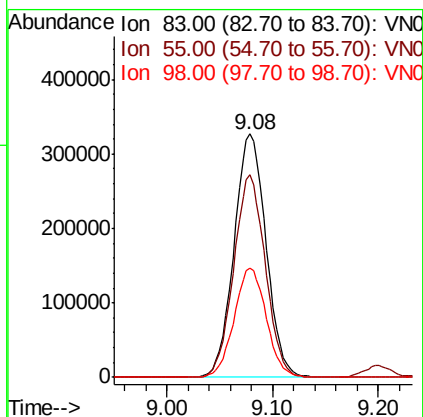
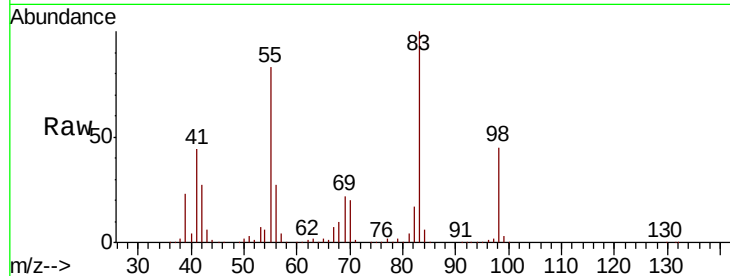




#39
Methylvlcyclohexane
Concen: 48.623 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

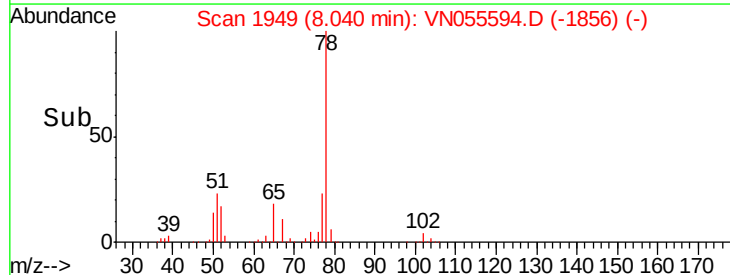
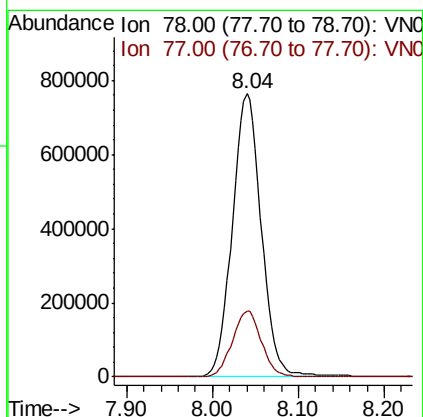
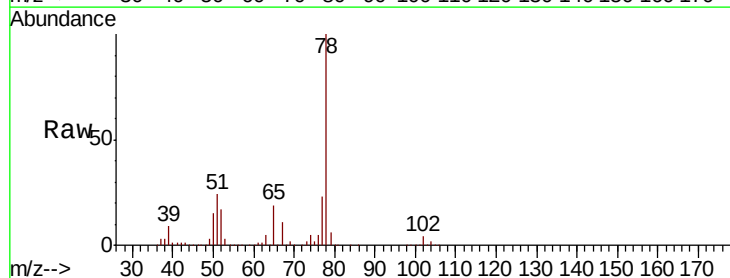
Instrument :
MSVOA_N
ClientSampled :
KR-02_4-14MSD

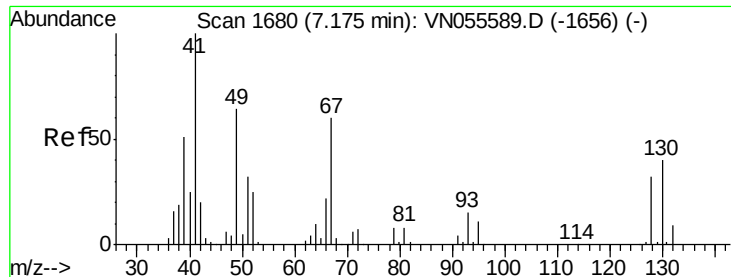
Tot Ion: 83 Resp: 686366
Ion Ratio Lower Upper
83 100
55 83.0 66.3 99.5
98 44.8 34.8 52.2



#40
Benzene
Concen: 48.768 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion: 78 Resp: 1785189
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3





#41

Methacrylonitrile

Concen: 54.966 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MSD

Tot Ion: 41 Resp: 281407

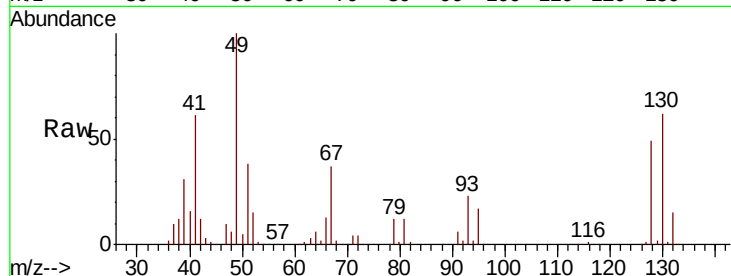
Ion Ratio Lower Upper

41 100

39 60.3 44.1 66.1

67 81.9 63.4 95.0

52 32.6 25.0 37.6

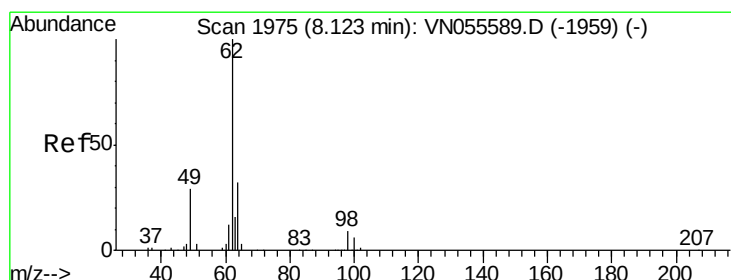
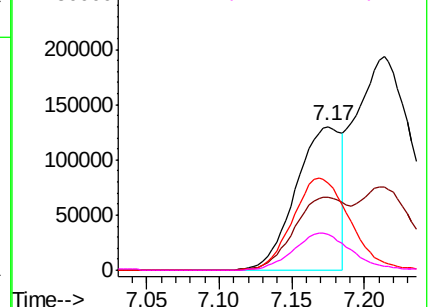
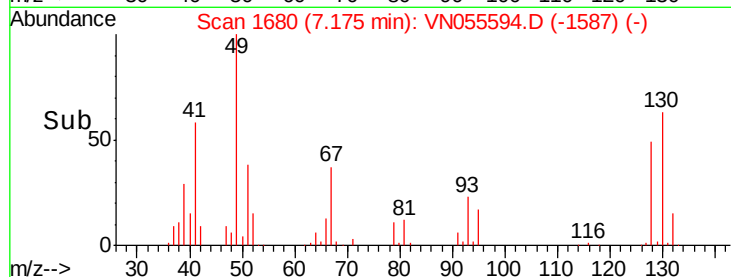


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 48.151 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN055594.D

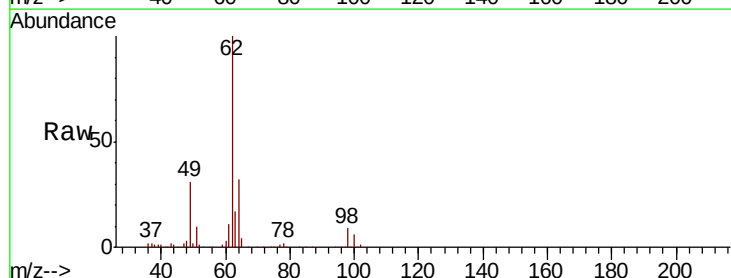
Acq: 14 May 2019 15:26

Tgt Ion: 62 Resp: 587815

Ion Ratio Lower Upper

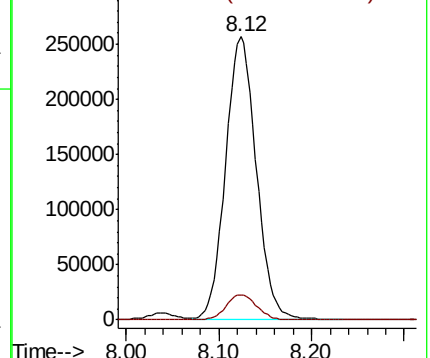
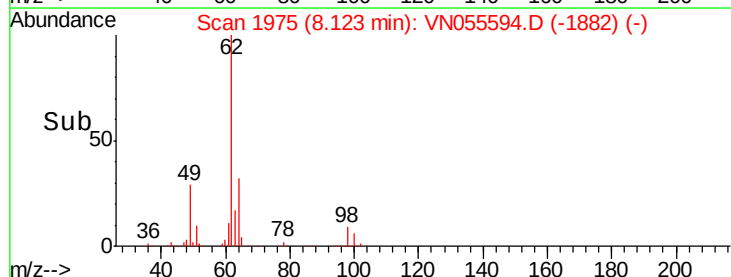
62 100

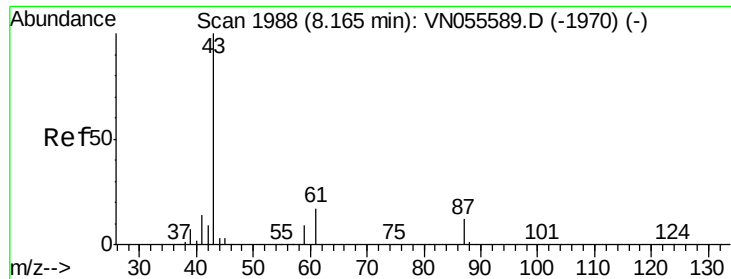
98 9.0 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 50.542 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MSD

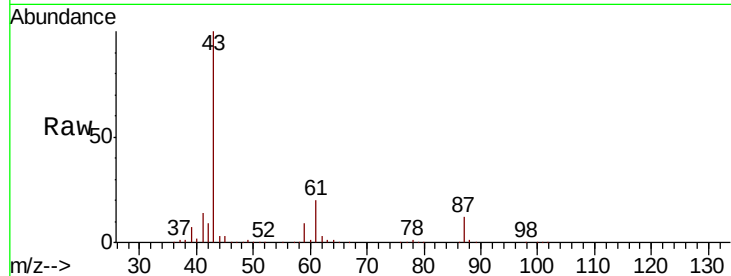
Tot Ion: 43 Resp: 890250

Ion Ratio Lower Upper

43 100

61 27.5 16.1 24.1#

87 12.3 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VN055589.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055589.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055589.D (-1970) (-)

8.17

400000

300000

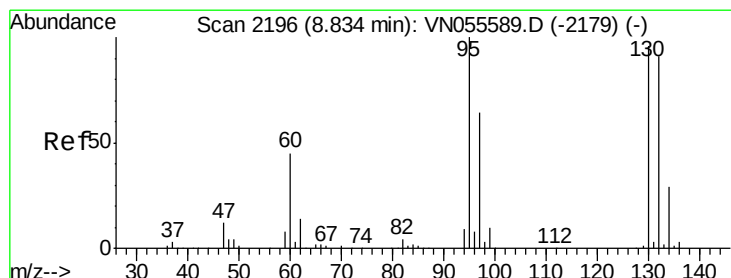
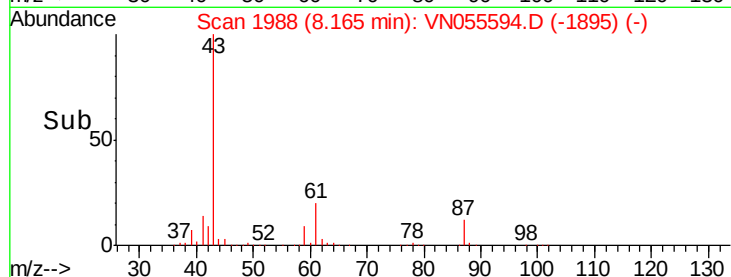
200000

100000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 48.893 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055594.D

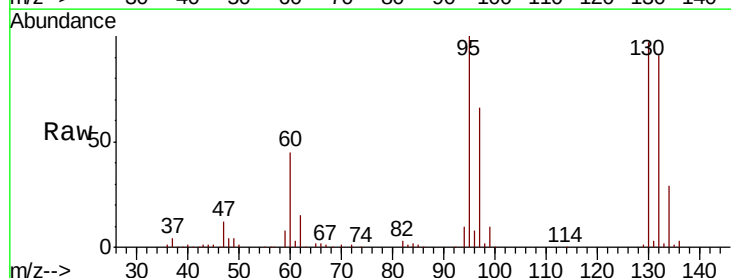
Acq: 14 May 2019 15:26

Tgt Ion:130 Resp: 430440

Ion Ratio Lower Upper

130 100

95 102.9 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN055589.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055589.D (-2179) (-)

250000

200000

150000

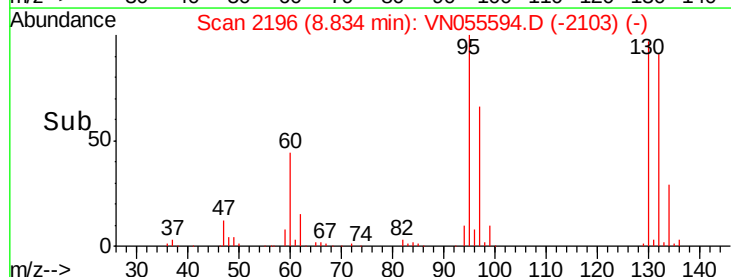
100000

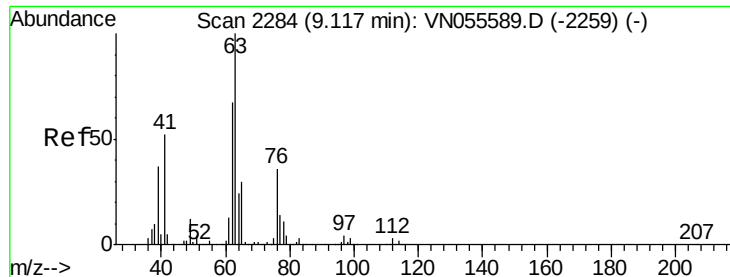
50000

0

8.80 8.83 8.86

Time-->





#45

1,2-Dichloropropane

Concen: 49.568 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

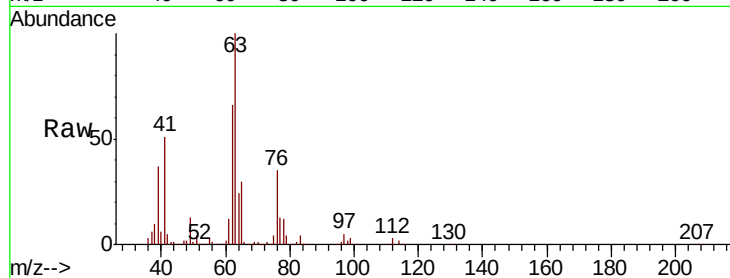
KR-02_4-14MSD

Tot Ion: 63 Resp: 500101

Ion Ratio Lower Upper

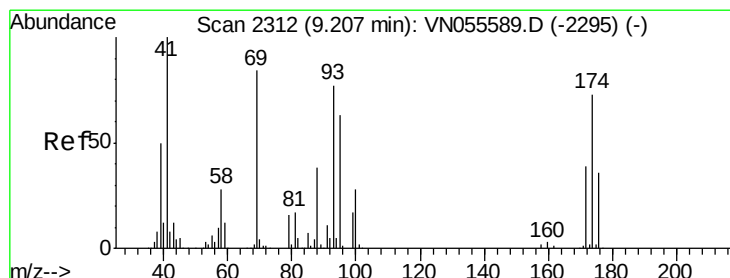
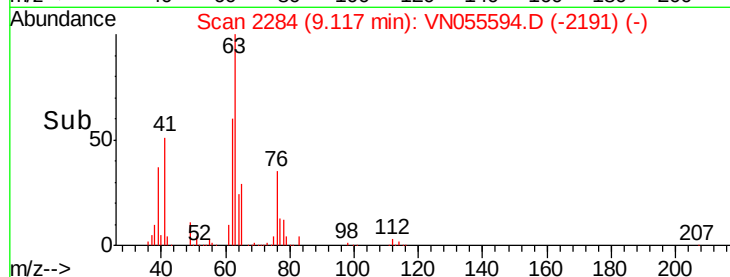
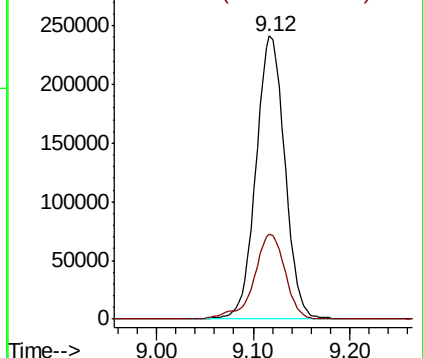
63 100

65 30.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.104 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

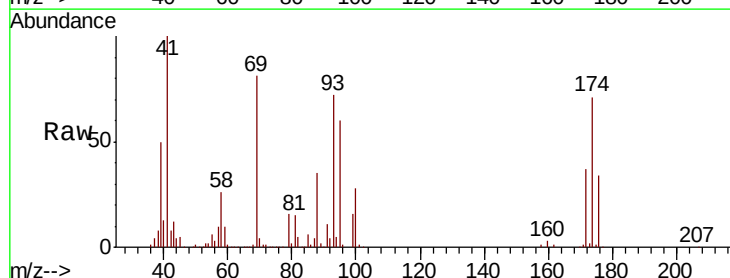
Tgt Ion: 93 Resp: 292590

Ion Ratio Lower Upper

93 100

95 81.9 66.6 100.0

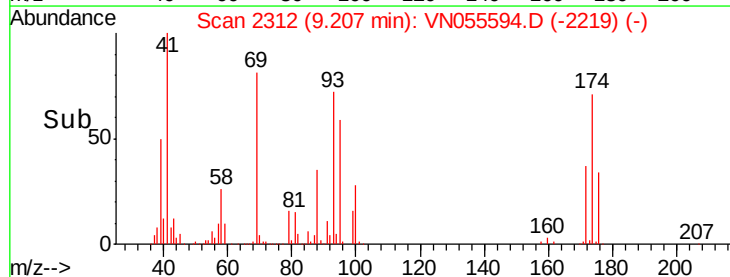
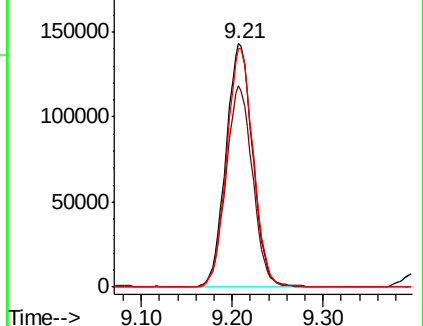
174 97.6 78.4 117.6

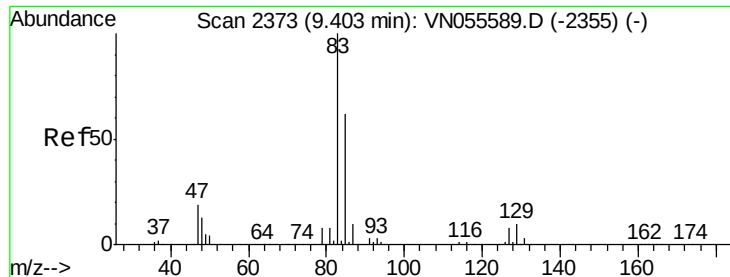


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.654 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MSD

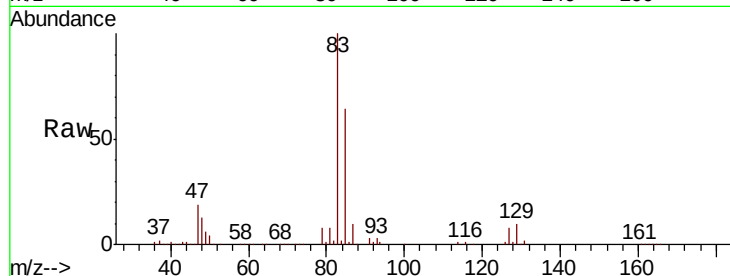
Tot Ion: 83 Resp: 564005

Ion Ratio Lower Upper

83 100

85 64.2 49.6 74.4

127 8.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN055594.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN055594.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN055594.D (-2355) (-)

9.40

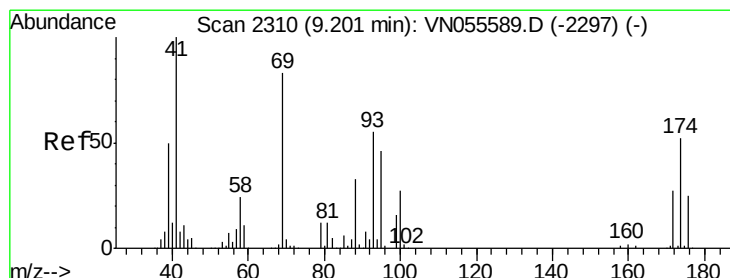
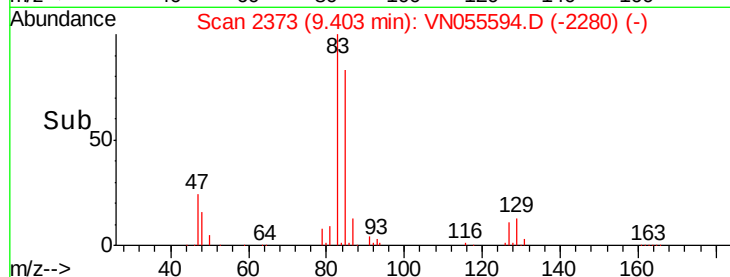
300000

200000

100000

0

Time-->



#48

Methyl methacrylate

Concen: 50.222 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

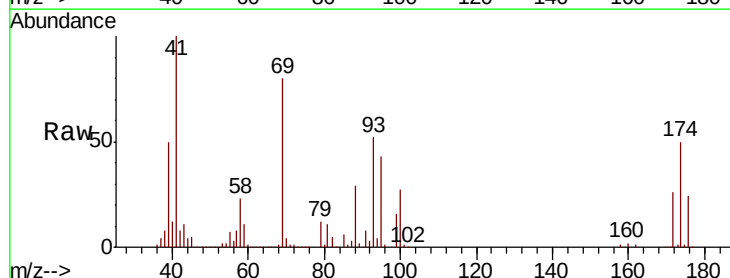
Tgt Ion: 41 Resp: 432146

Ion Ratio Lower Upper

41 100

69 83.8 65.7 98.5

39 51.5 40.2 60.4



Abundance Ion 41.00 (40.70 to 41.70): VN055594.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055594.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055594.D (-2297) (-)

9.20

300000

250000

200000

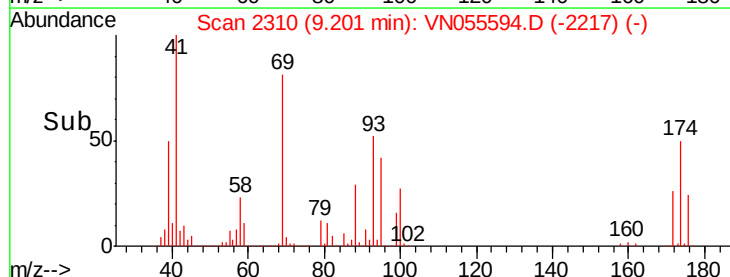
150000

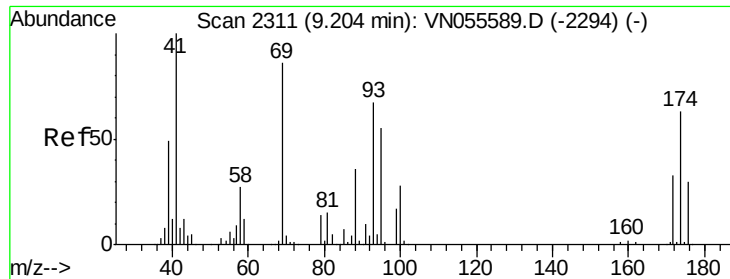
100000

50000

0

Time-->

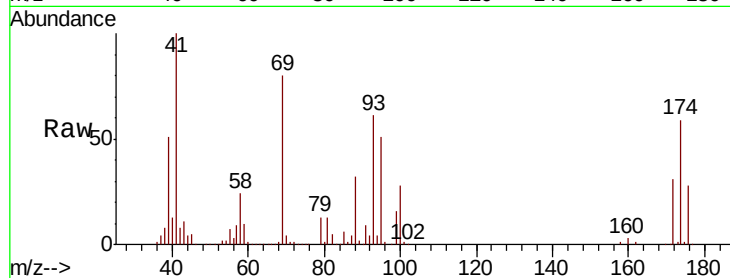




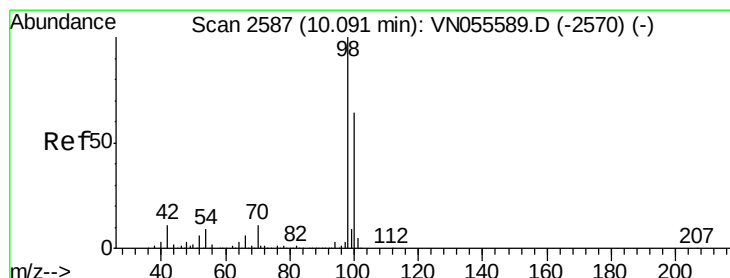
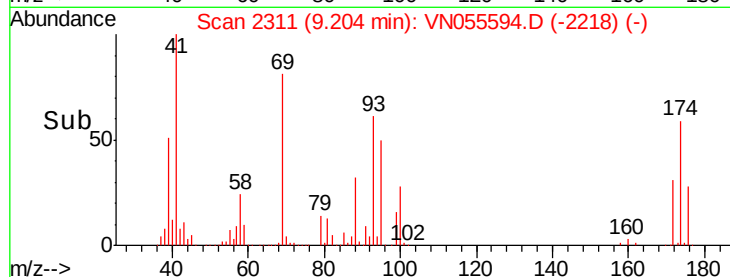
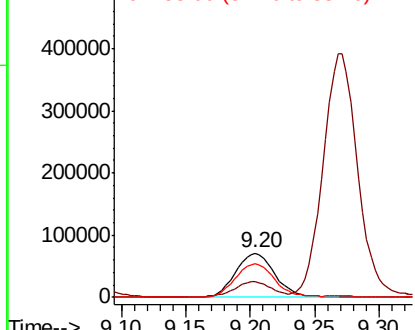
#49
1,4-Dioxane
Concen: 962.043 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14MSD

Tot Ion: 88 Resp: 151289
Ion Ratio Lower Upper
88 100
43 32.1 25.4 38.0
58 76.3 59.4 89.2

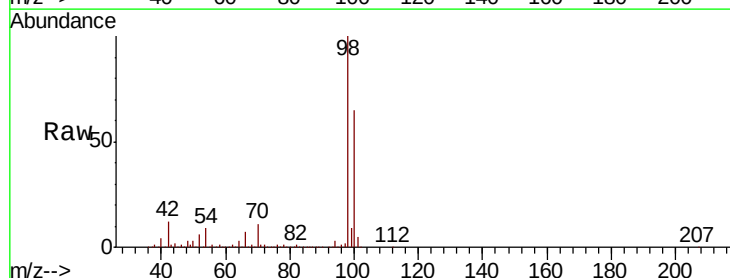


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

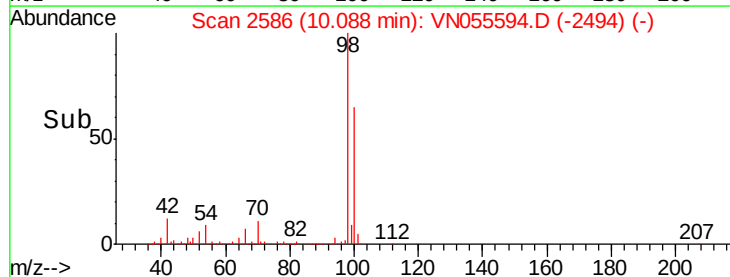
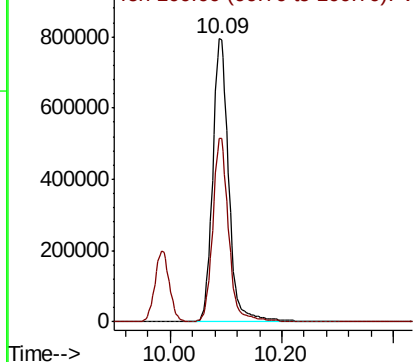


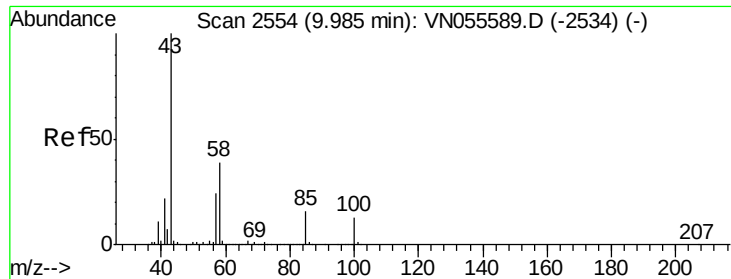
#50
Toluene-d8
Concen: 52.990 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion: 98 Resp: 1590399
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



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: 254.673 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

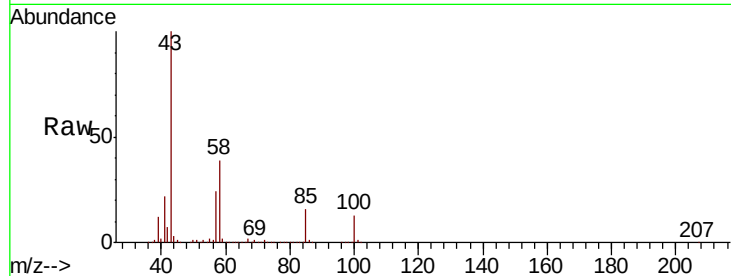
KR-02_4-14MSD

Tot Ion: 43 Resp: 2818514

Ion Ratio Lower Upper

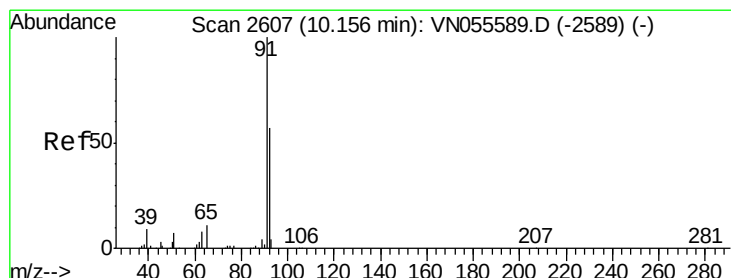
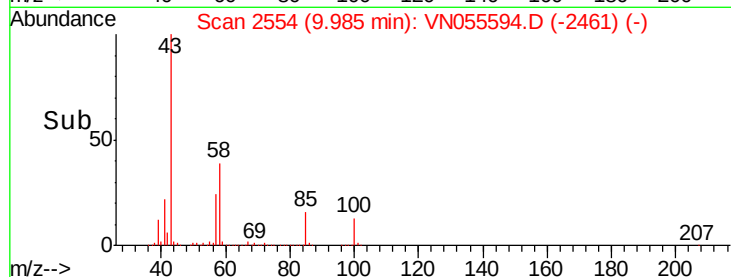
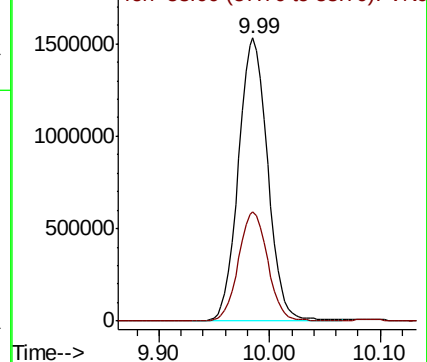
43 100

58 38.5 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.225 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055594.D

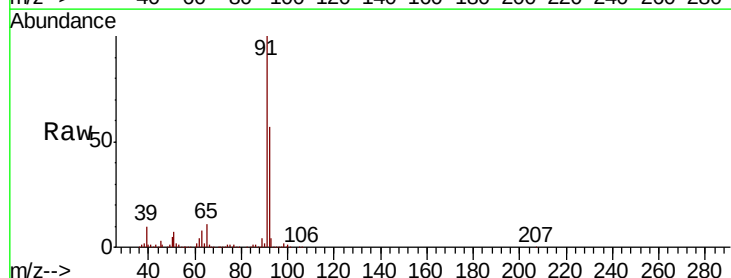
Acq: 14 May 2019 15:26

Tgt Ion: 92 Resp: 1053355

Ion Ratio Lower Upper

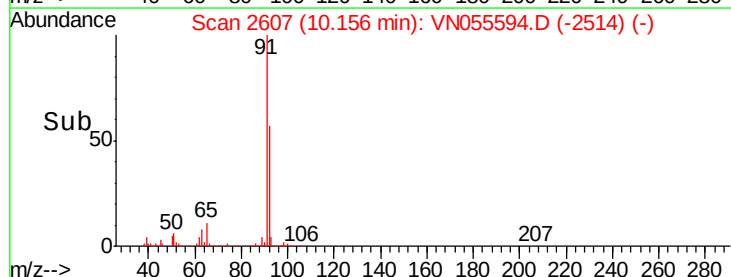
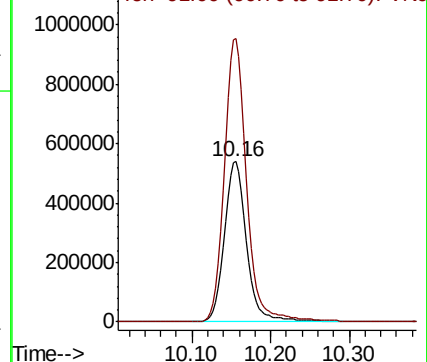
92 100

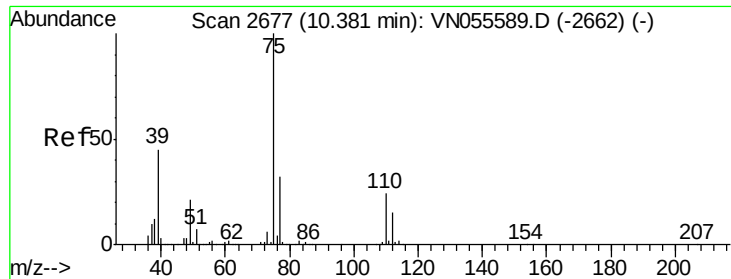
91 176.7 141.5 212.3



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: 53.540 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

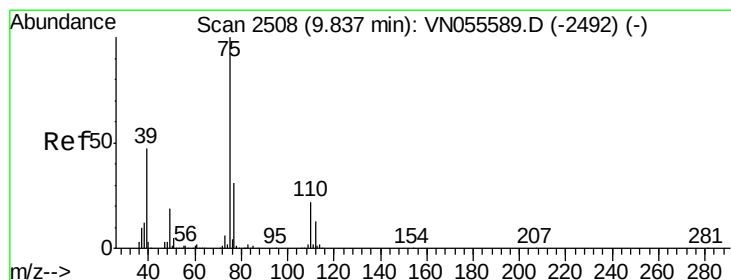
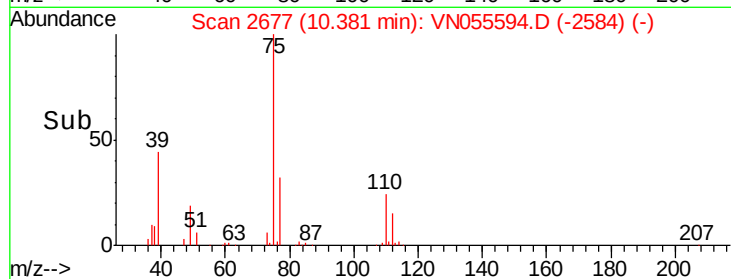
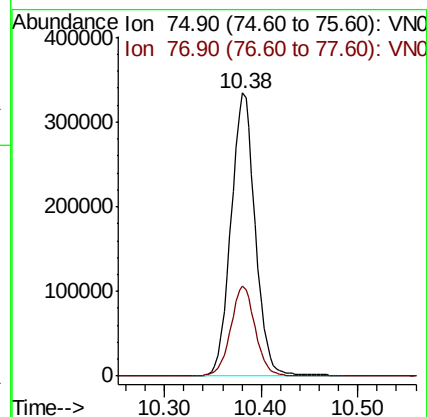
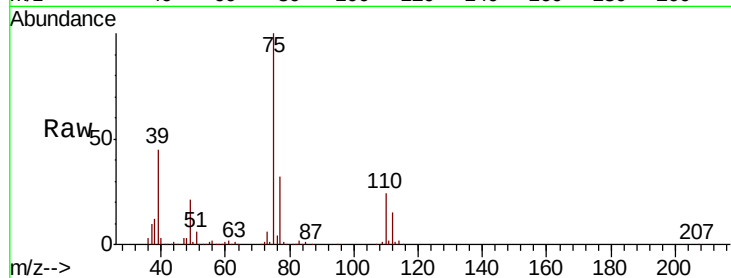
KR-02_4-14MSD

Tot Ion: 75 Resp: 583020

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.235 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

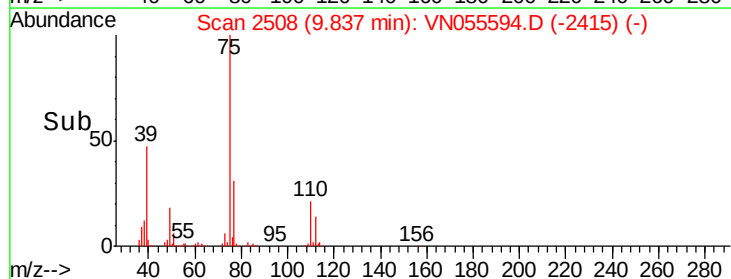
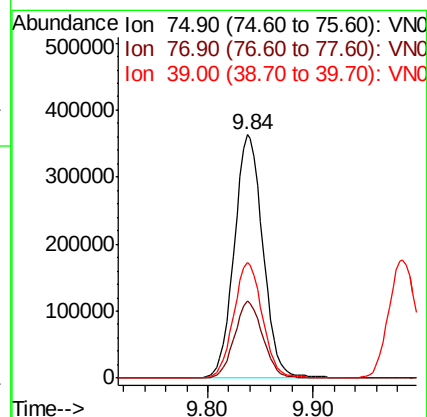
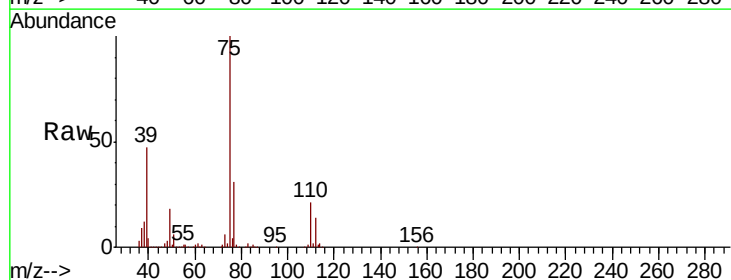
Tgt Ion: 75 Resp: 682990

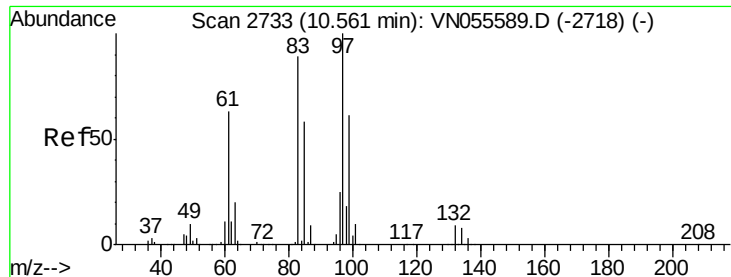
Ion Ratio Lower Upper

75 100

77 31.5 24.5 36.7

39 47.2 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 49.021 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

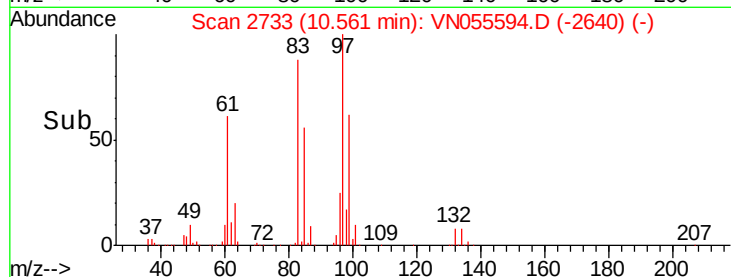
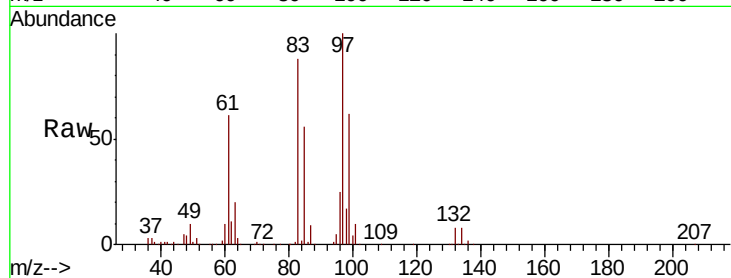
MSVOA_N

ClientSampleId :

KR-02_4-14MSD

Tot Ion: 97 Resp: 411027

Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.5	107.3
85	56.0	46.2	69.4
99	61.6	49.0	73.6

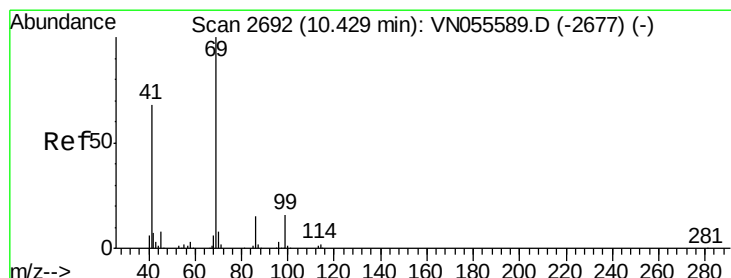
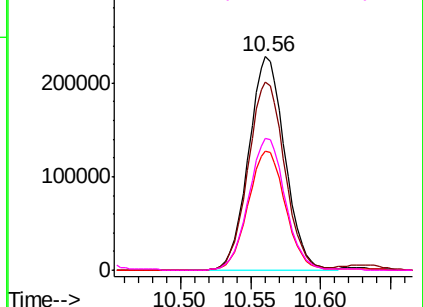


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.567 ug/l

RT: 10.43 min Scan# 2692

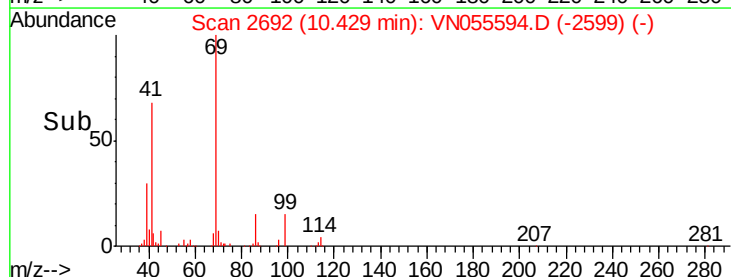
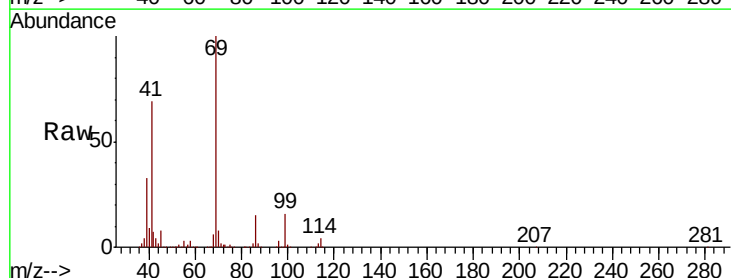
Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Tgt Ion: 69 Resp: 614210

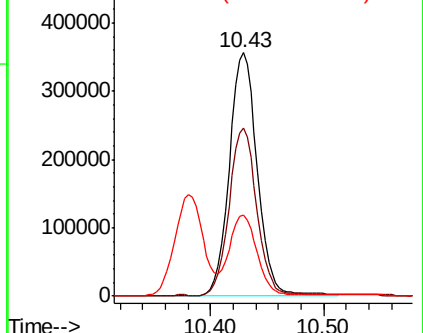
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.6	82.0
39	32.2	25.5	38.3

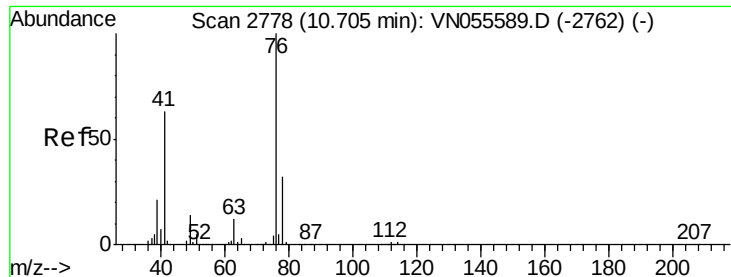


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

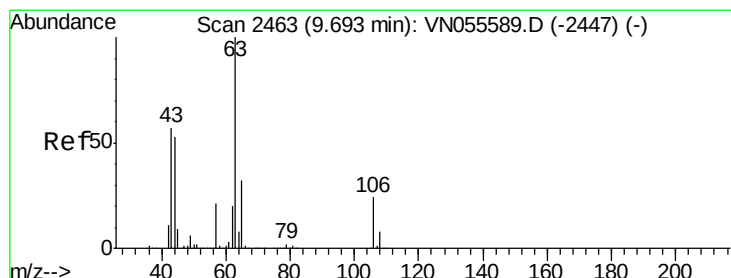
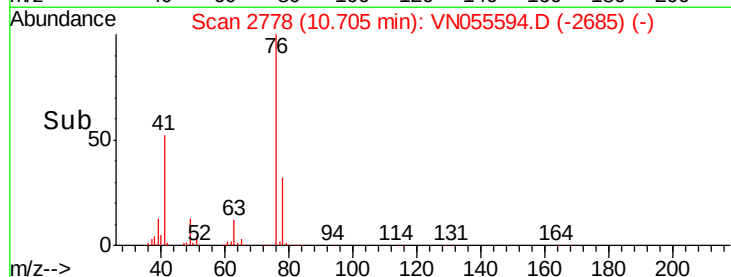
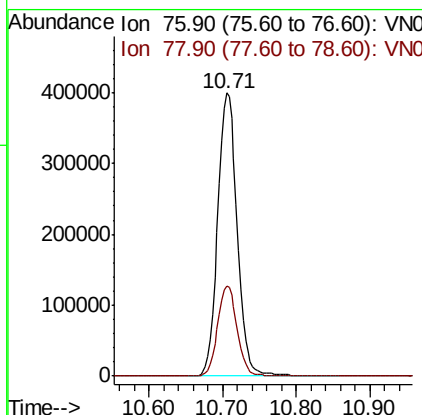
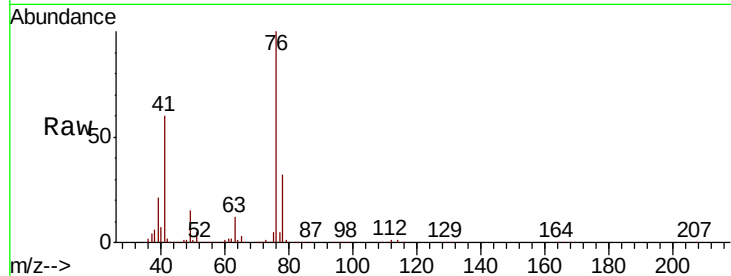




#57
 1,3-Dichloropropane
 Concen: 50.405 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

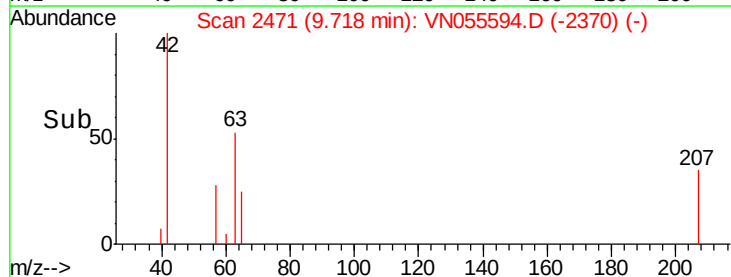
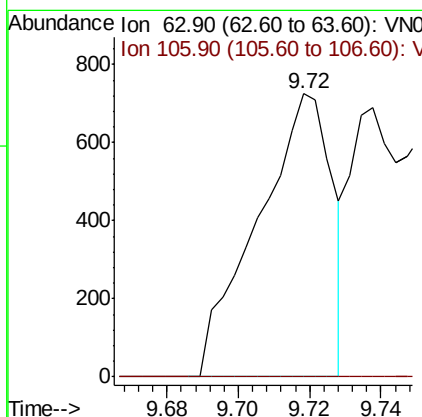
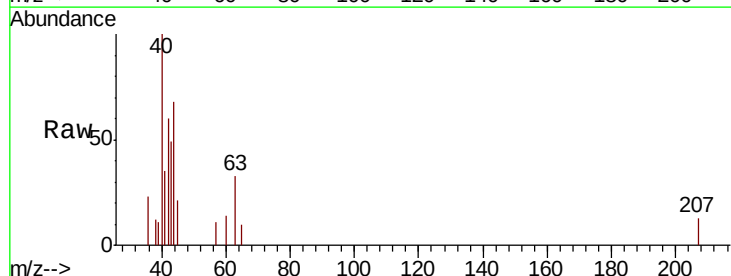
Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14MSD

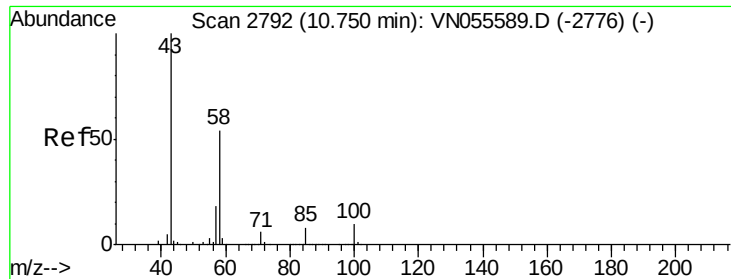
Tot Ion: 76 Resp: 730592
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.828 ug/l
 RT: 9.72 min Scan# 2471
 Delta R.T. 0.03 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion: 63 Resp: 1046
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.0 28.4#

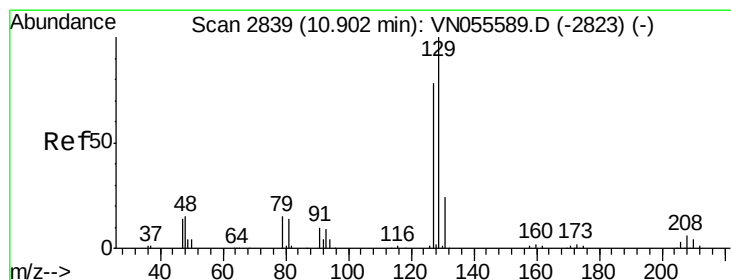
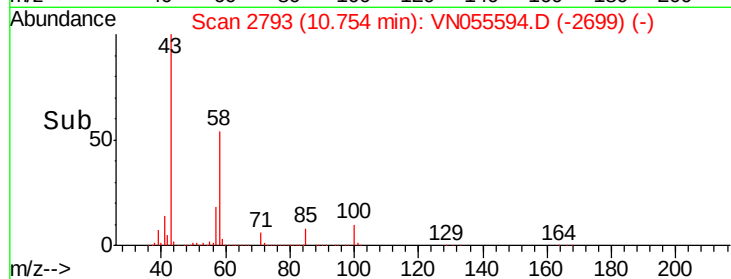
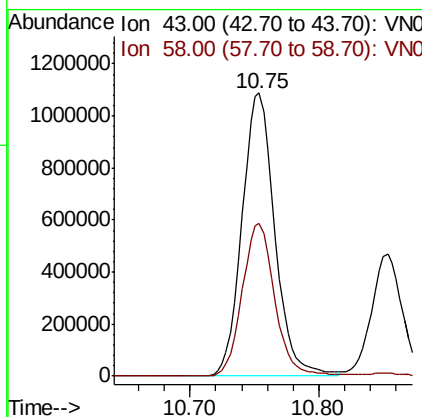
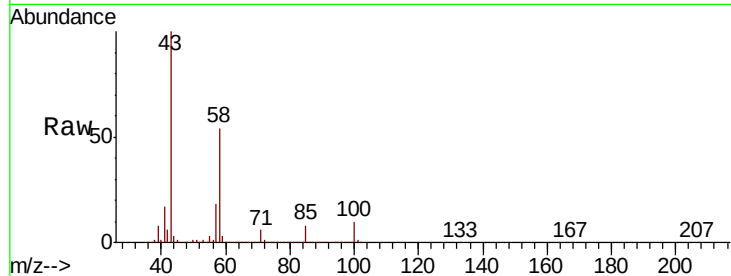




#59
2-Hexanone
Concen: 251.797 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

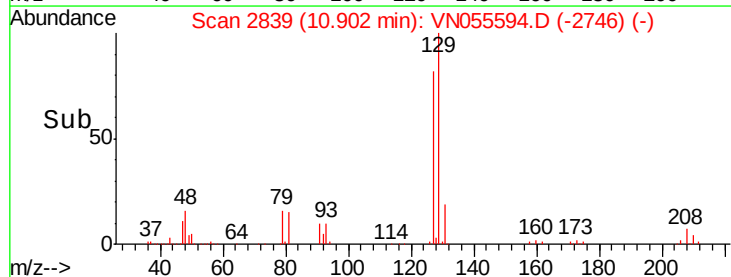
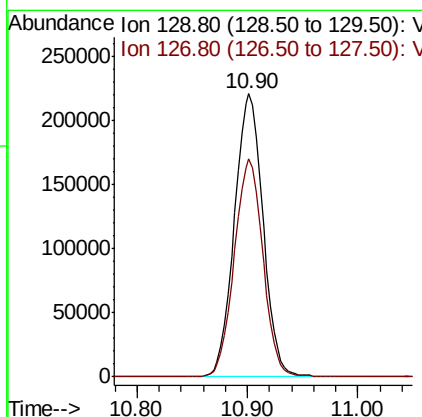
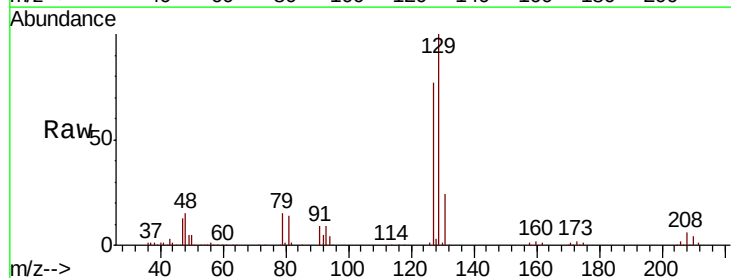
Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14MSD

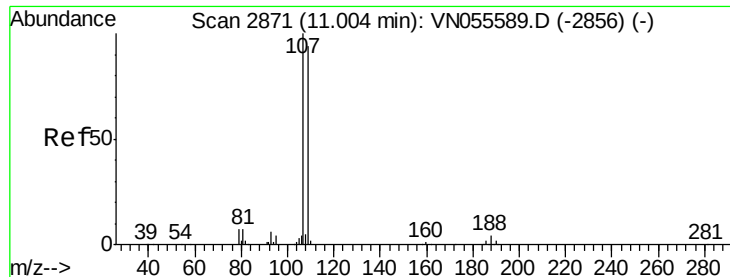
Tot Ion: 43 Resp: 1922388
Ion Ratio Lower Upper
43 100
58 53.9 27.0 80.8



#60
Dibromochloromethane
Concen: 52.219 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion: 129 Resp: 398266
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 51.173 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

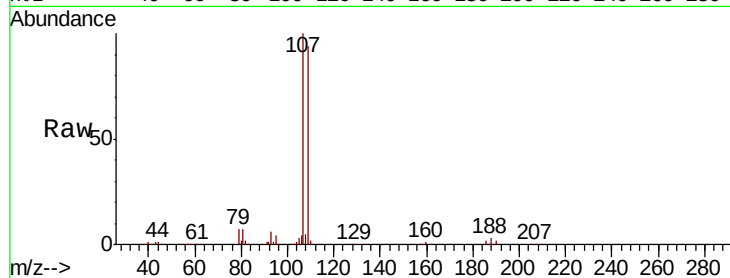
KR-02_4-14MSD

Tot Ion:107 Resp: 405380

Ion Ratio Lower Upper

107 100

109 95.1 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

250000

200000

150000

100000

50000

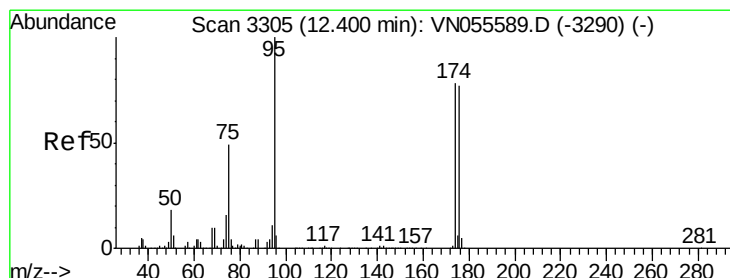
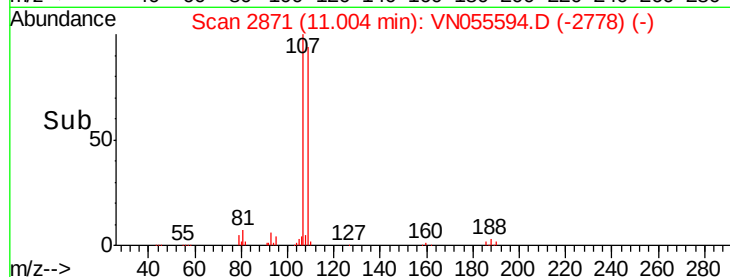
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 55.795 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

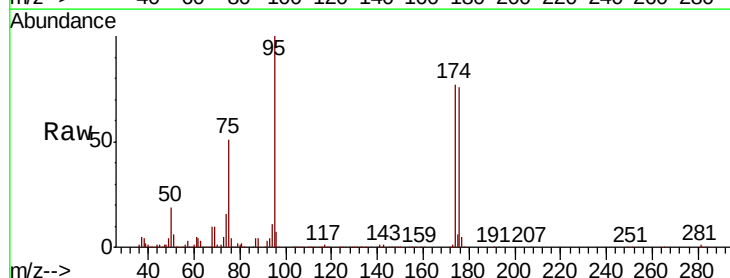
Tgt Ion: 95 Resp: 536550

Ion Ratio Lower Upper

95 100

174 77.4 0.0 158.4

176 76.8 0.0 153.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

200000

100000

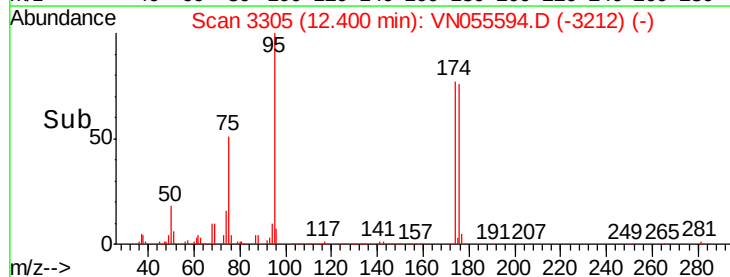
0

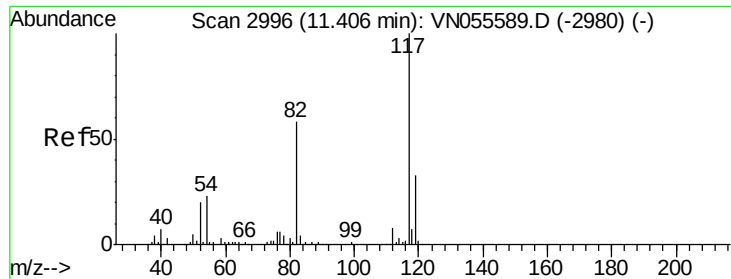
Time-->

12.30

12.40

12.50

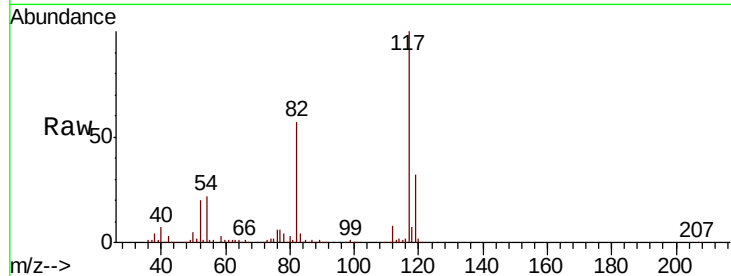




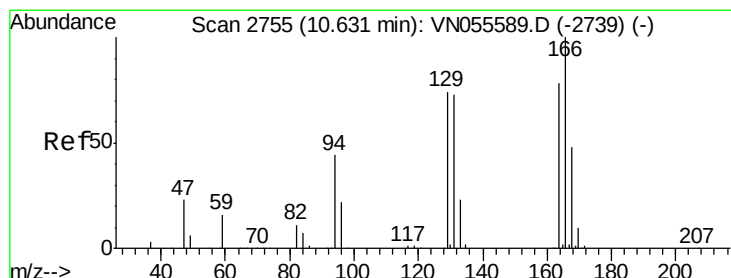
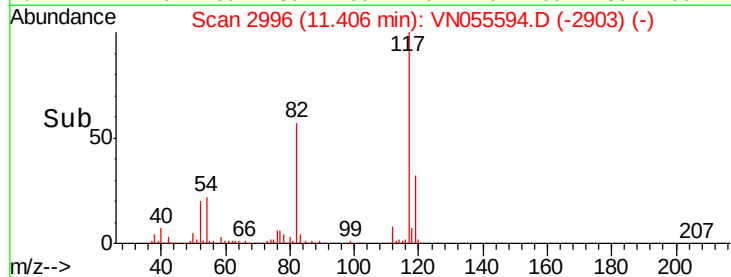
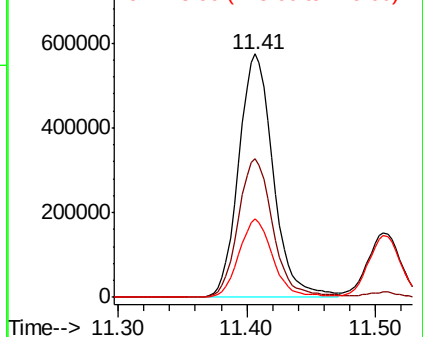
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14MSD

Tot Ion:117 Resp: 1068772
Ion Ratio Lower Upper
117 100
82 56.7 46.7 70.1
119 32.0 26.0 39.0

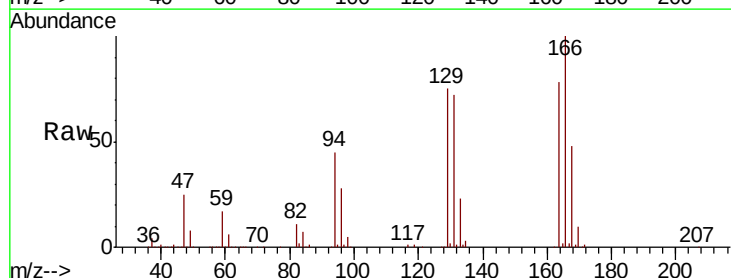


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

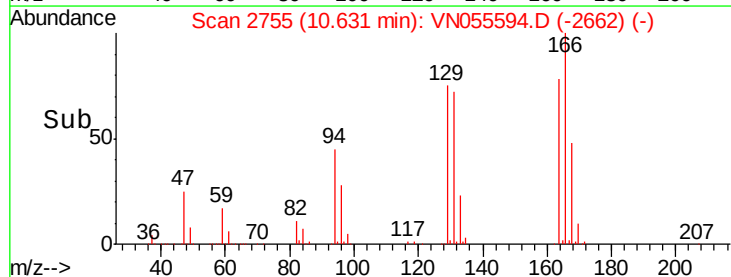
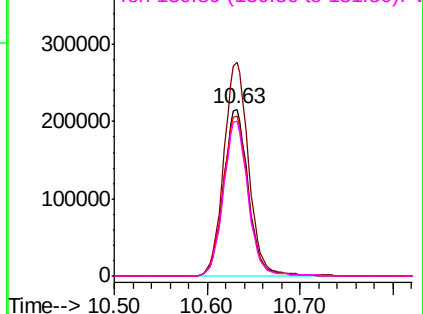


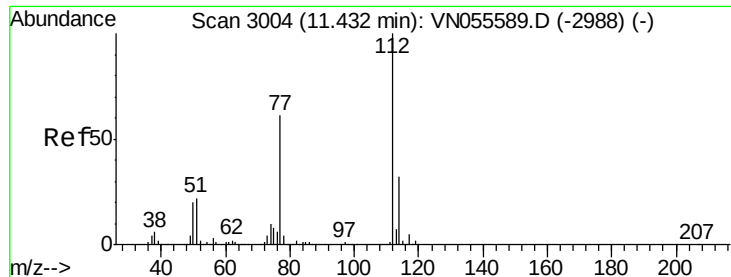
#64
Tetrachloroethene
Concen: 46.855 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion:164 Resp: 400012
Ion Ratio Lower Upper
164 100
166 128.2 102.1 153.1
129 96.0 75.8 113.8
131 92.8 74.6 111.8



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: 48.360 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

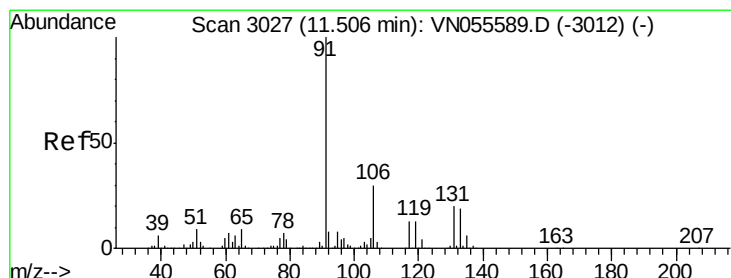
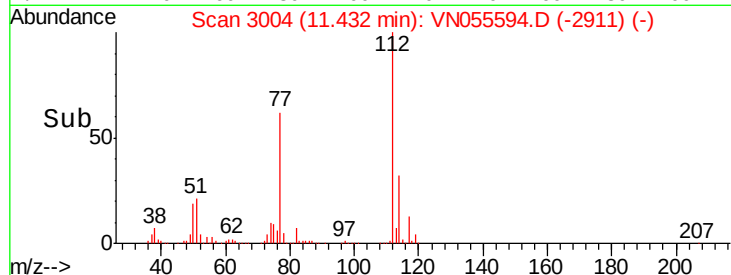
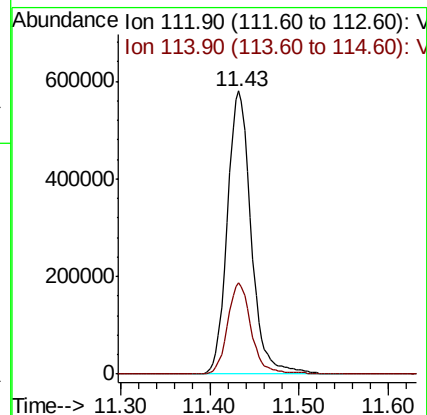
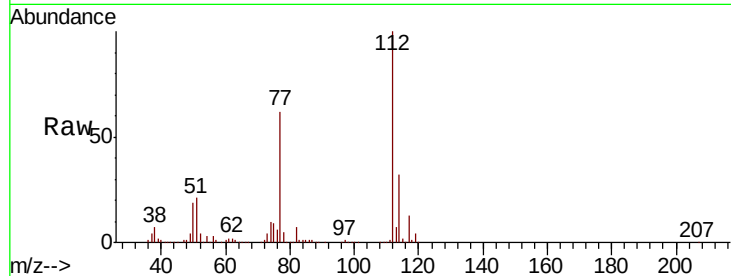
KR-02_4-14MSD

Tot Ion:112 Resp: 1072558

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 49.408 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

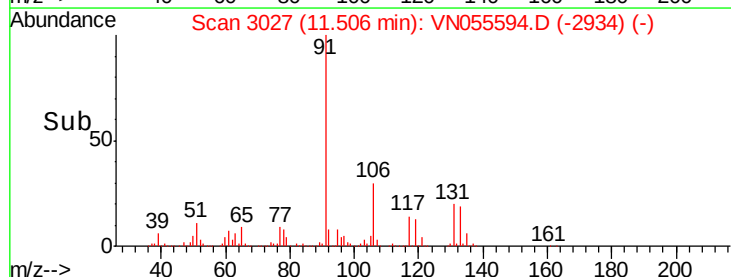
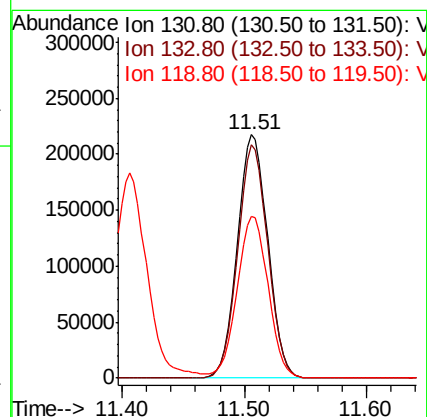
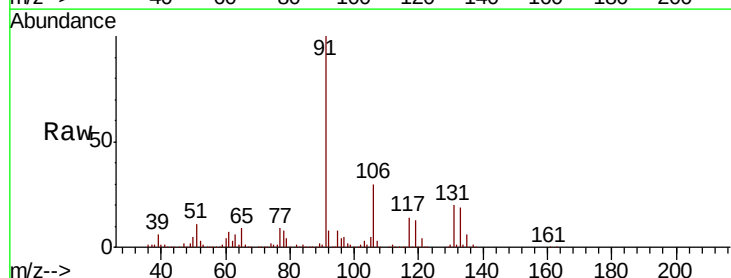
Tgt Ion:131 Resp: 375633

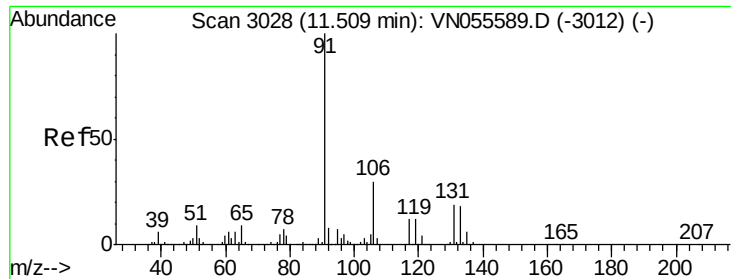
Ion Ratio Lower Upper

131 100

133 94.8 47.6 142.9

119 67.7 34.2 102.5

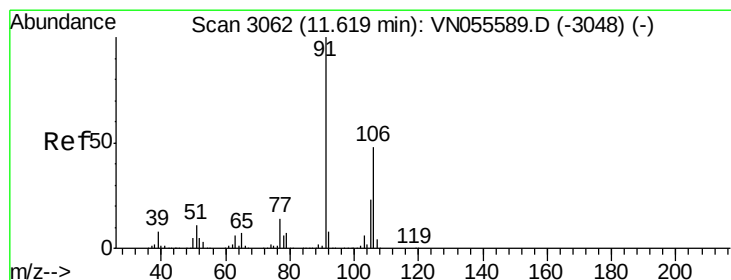
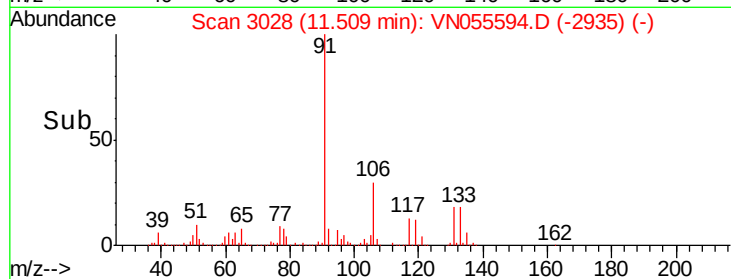
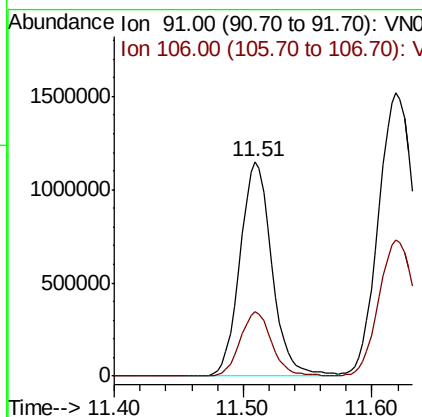
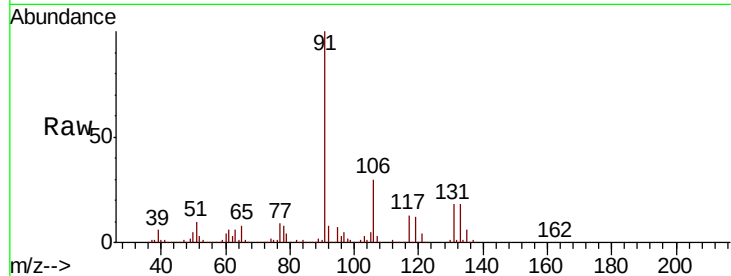




#67
Ethyl Benzene
Concen: 49.829 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

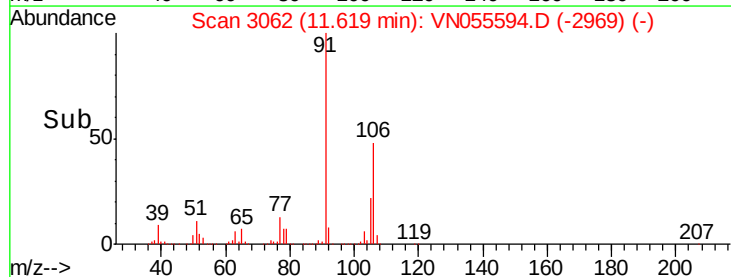
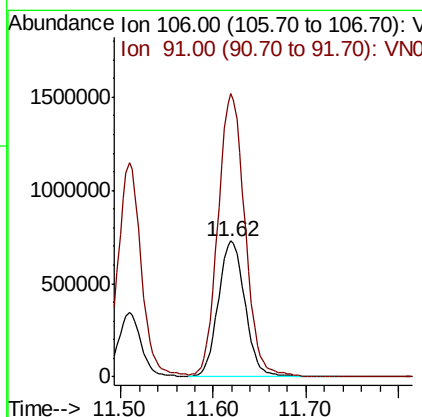
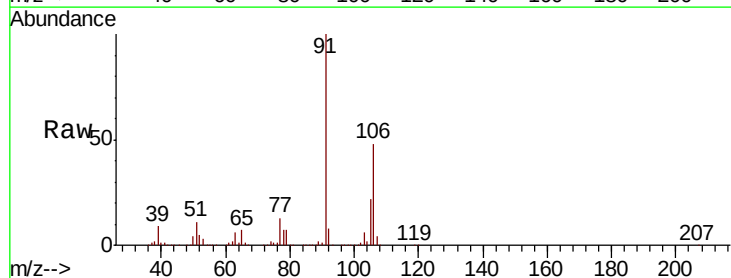
Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14MSD

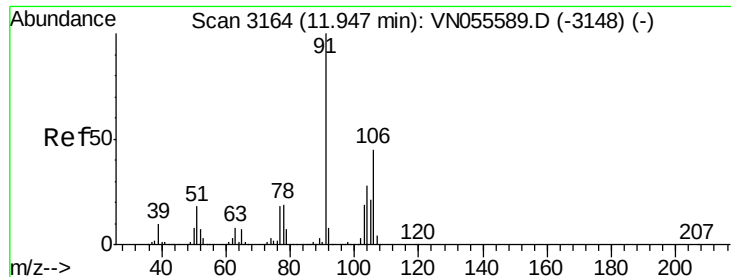
Tot Ion: 91 Resp: 1982100
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1



#68
m/p-Xylenes
Concen: 100.583 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion: 106 Resp: 1462424
Ion Ratio Lower Upper
106 100
91 209.9 167.5 251.3

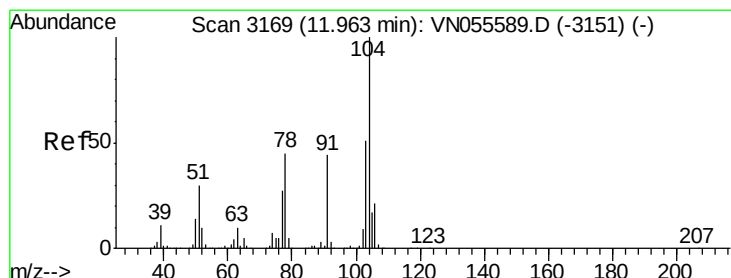
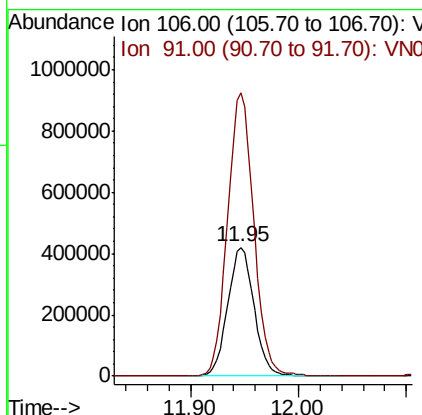
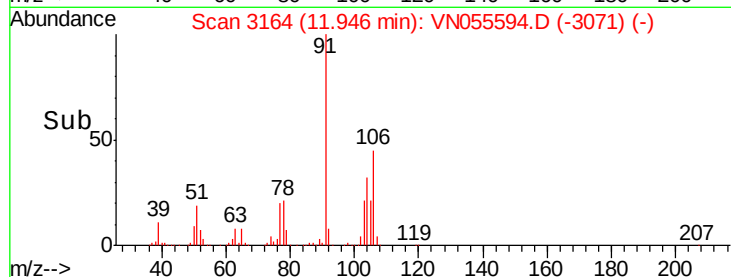
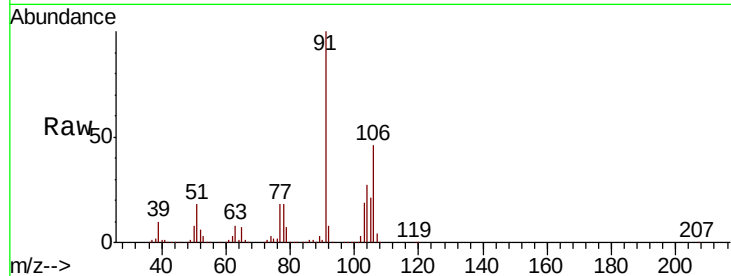




#69
o-Xylene
Concen: 50.495 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

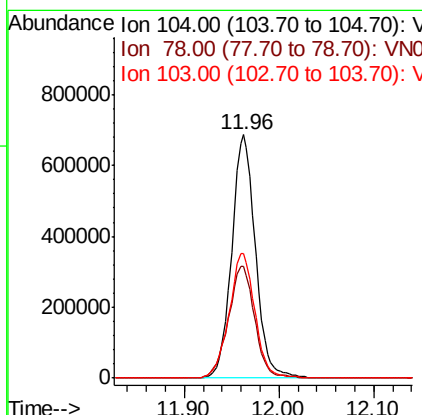
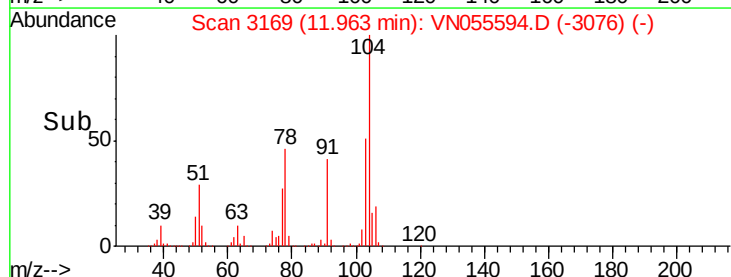
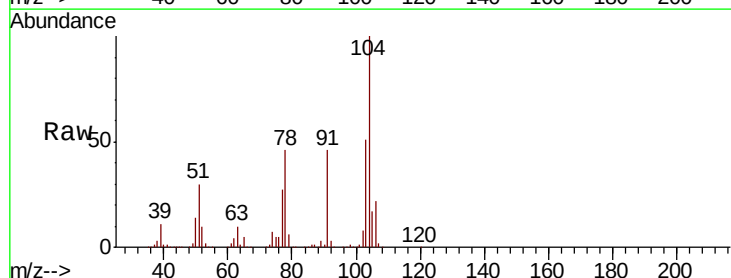
Instrument :
MSVOA_N
ClientSampled :
KR-02_4-14MSD

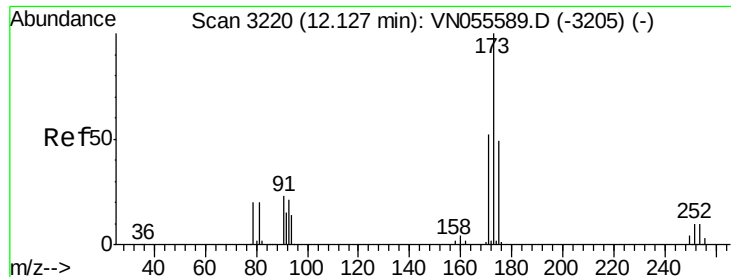
Tot Ion:106 Resp: 714452
Ion Ratio Lower Upper
106 100
91 219.6 110.2 330.6



#70
Styrene
Concen: 53.121 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion:104 Resp: 1195308
Ion Ratio Lower Upper
104 100
78 51.1 40.8 61.2
103 55.7 44.6 67.0





#71

Bromoform

Concen: 53.217 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MSD

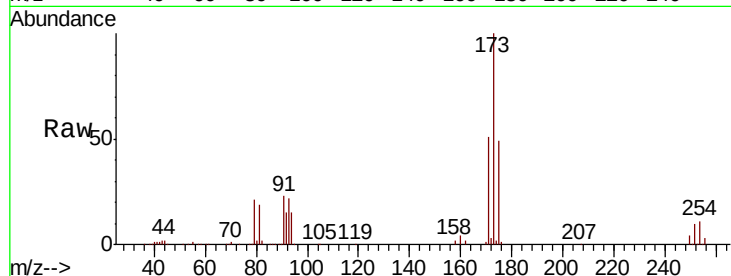
Tot Ion:173 Resp: 263717

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

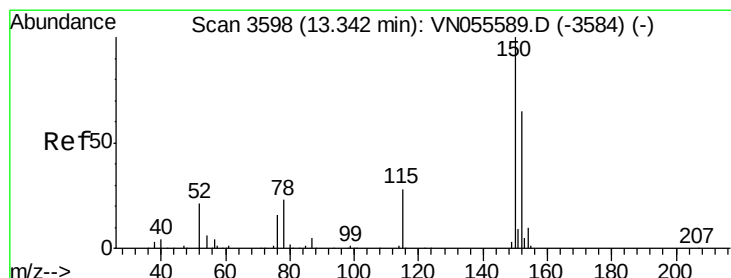
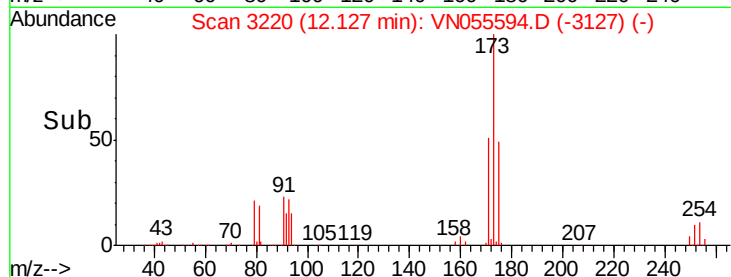
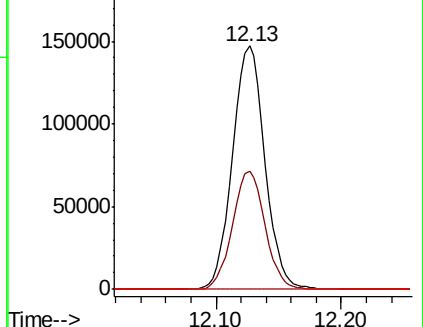
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

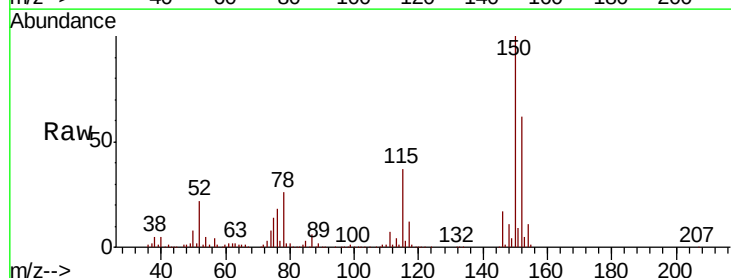
Tgt Ion:152 Resp: 448524

Ion Ratio Lower Upper

152 100

115 60.0 29.8 89.4

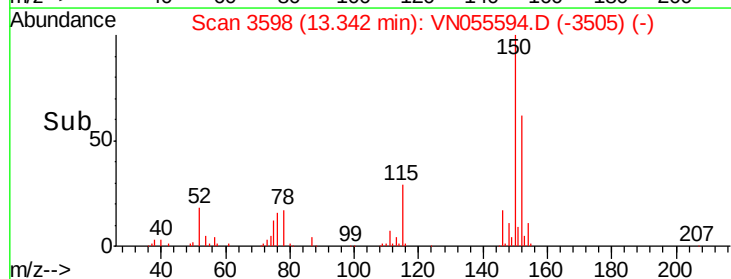
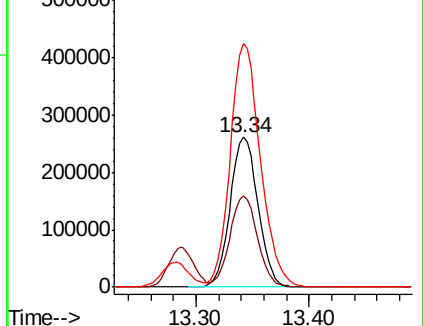
150 175.3 0.0 346.6

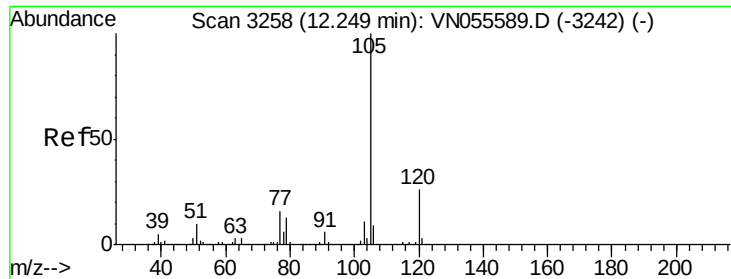


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 42.981 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

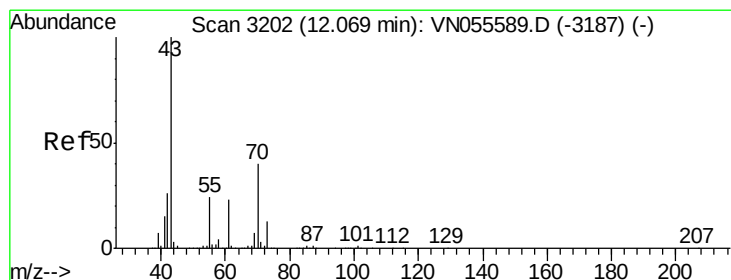
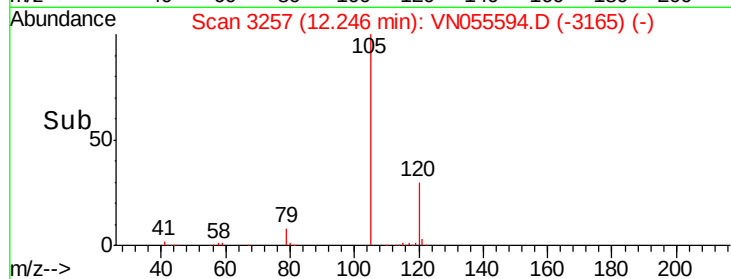
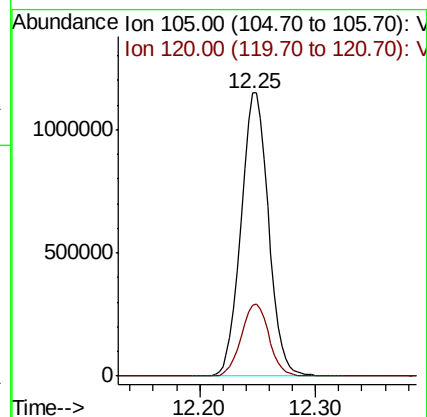
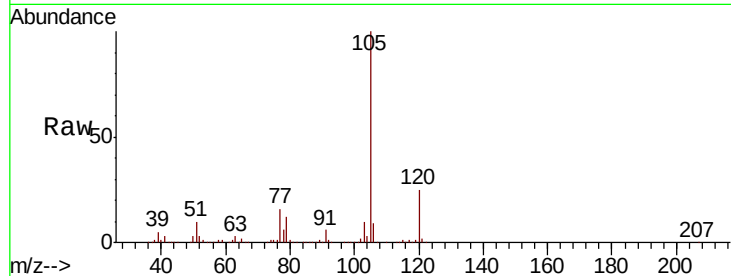
KR-02_4-14MSD

Tot Ion:105 Resp: 1883990

Ion Ratio Lower Upper

105 100

120 25.7 13.0 39.0



#74

N-ethyl acetate

Concen: 47.595 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Tgt Ion: 43 Resp: 736226

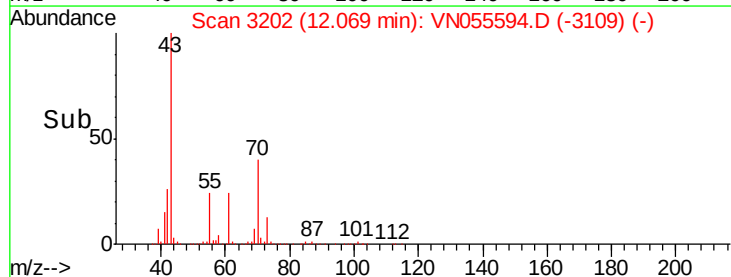
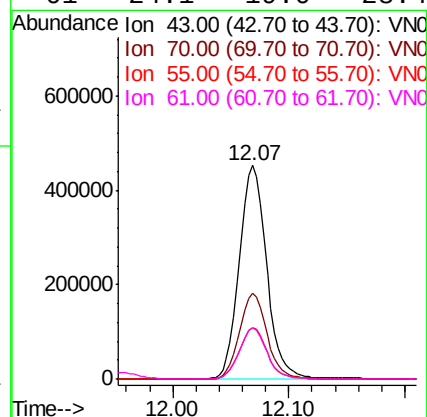
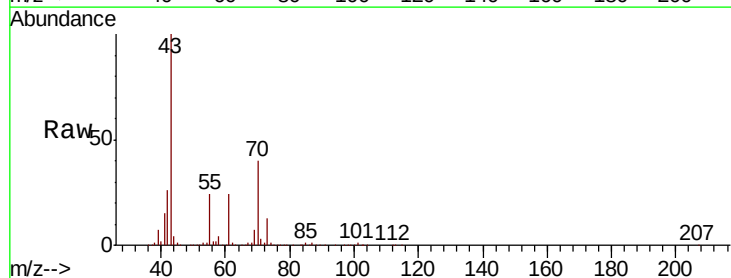
Ion Ratio Lower Upper

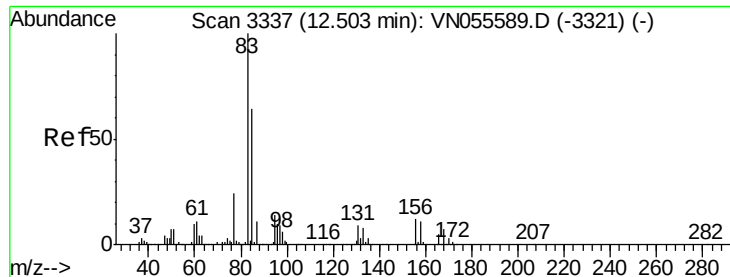
43 100

70 40.8 31.8 47.6

55 24.4 19.7 29.5

61 24.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.778 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MSD

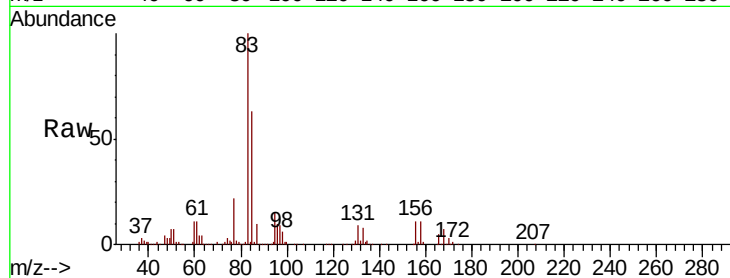
Tot Ion: 83 Resp: 586938

Ion Ratio Lower Upper

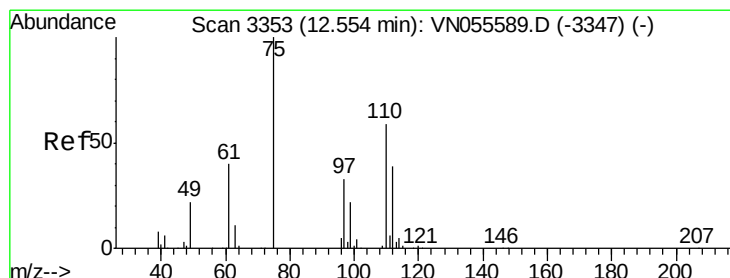
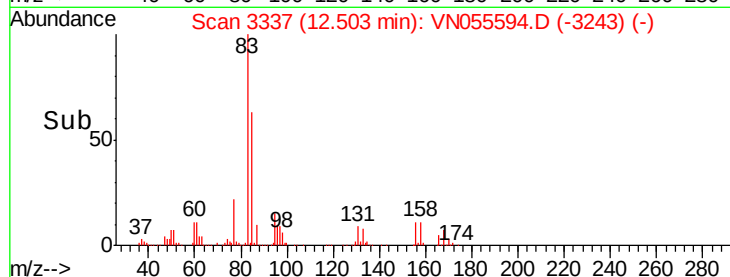
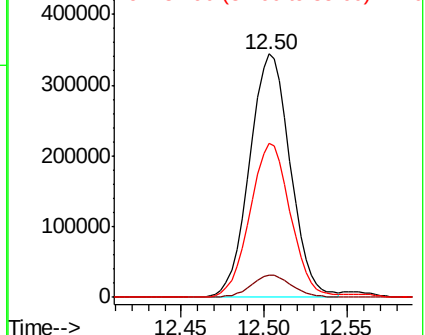
83 100

131 9.2 4.6 13.8

85 63.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 63.053 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055594.D

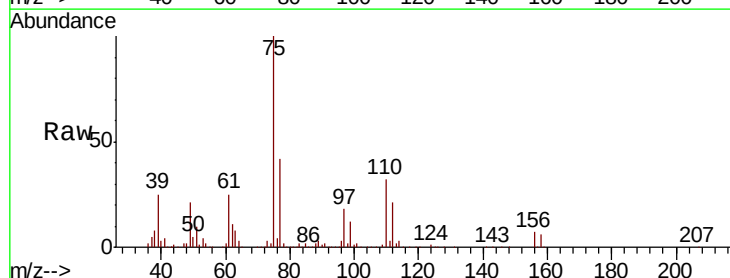
Acq: 14 May 2019 15:26

Tgt Ion: 75 Resp: 699726

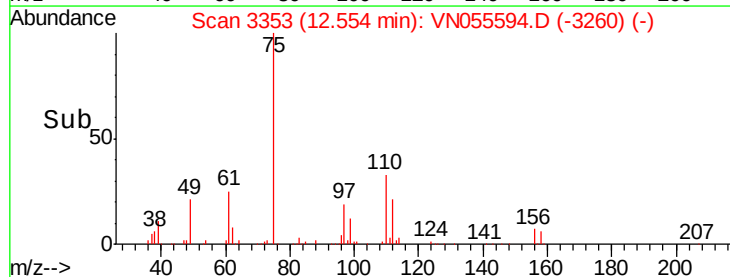
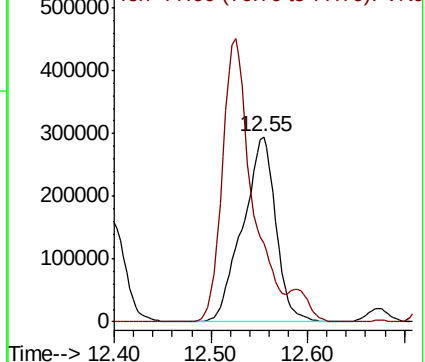
Ion Ratio Lower Upper

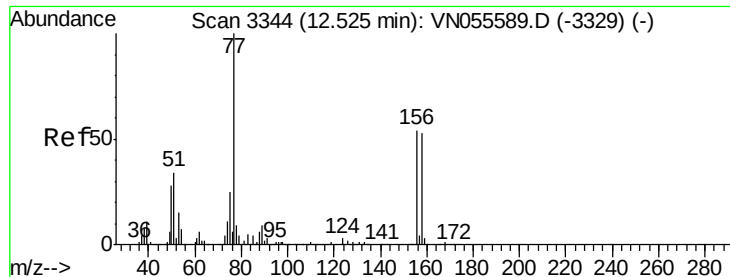
75 100

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: 50.744 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MSD

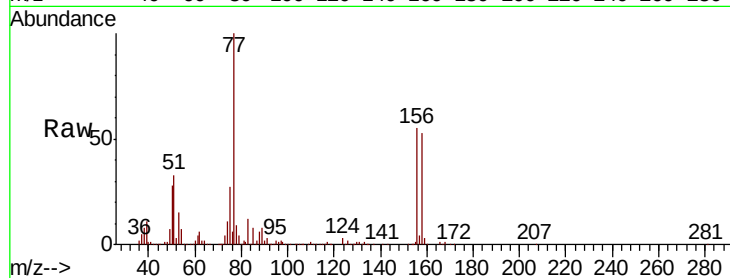
Tot Ion:156 Resp: 443488

Ion Ratio Lower Upper

156 100

77 217.8 108.9 326.7

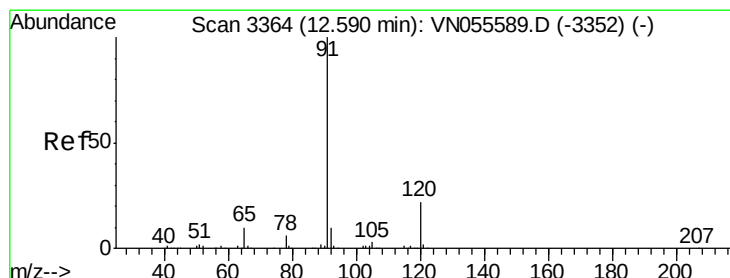
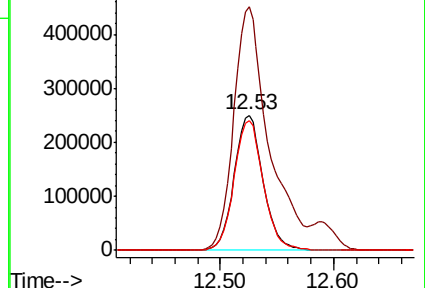
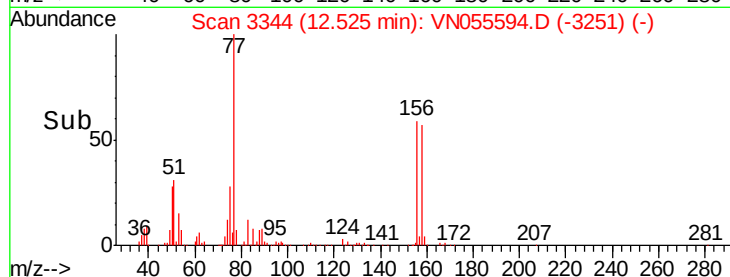
158 97.1 48.1 144.3



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: 45.751 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055594.D

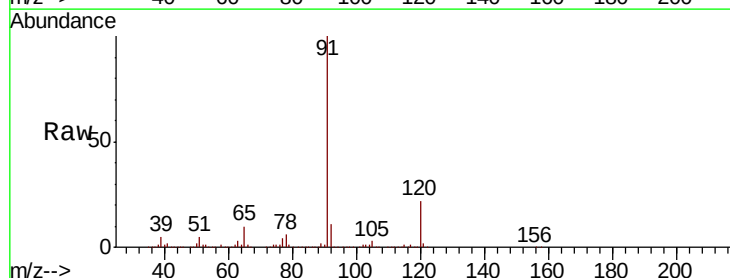
Acq: 14 May 2019 15:26

Tgt Ion: 91 Resp: 2138220

Ion Ratio Lower Upper

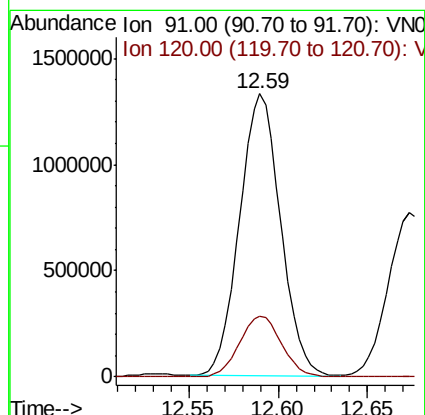
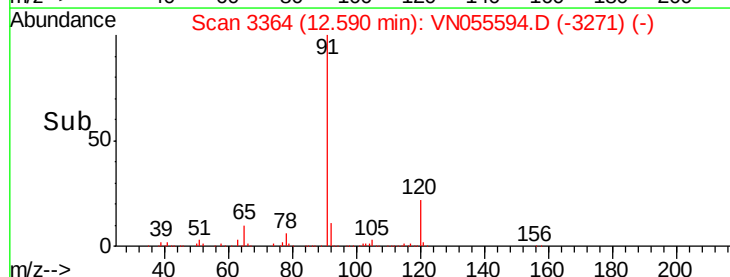
91 100

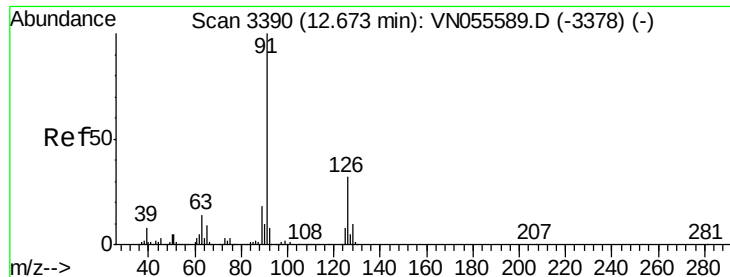
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.760 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

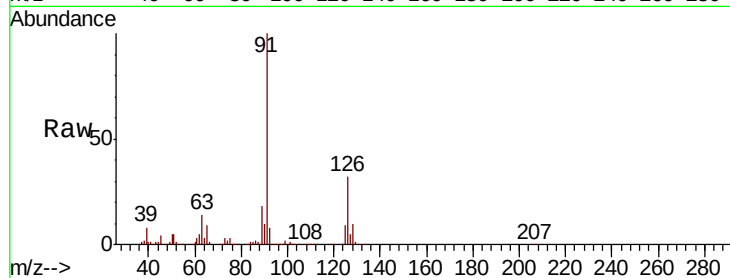
KR-02_4-14MSD

Tot Ion: 91 Resp: 1300899

Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055589.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055589.D (-3378) (-)

1000000

800000

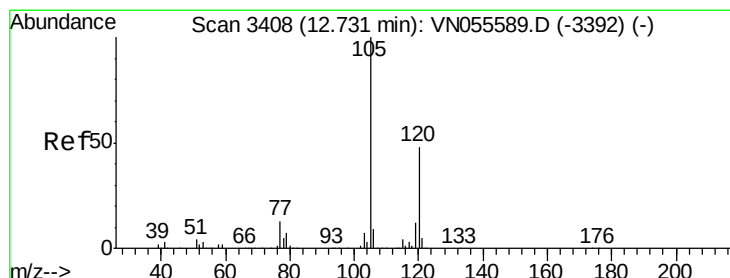
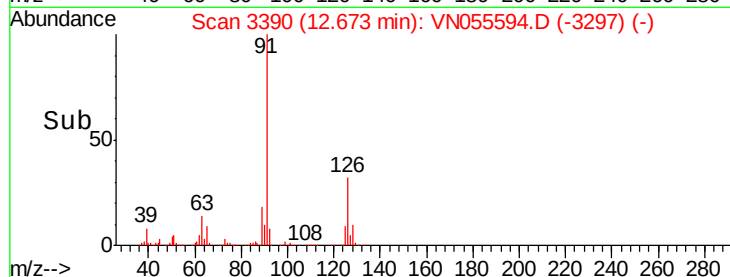
600000

400000

200000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 46.595 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055594.D

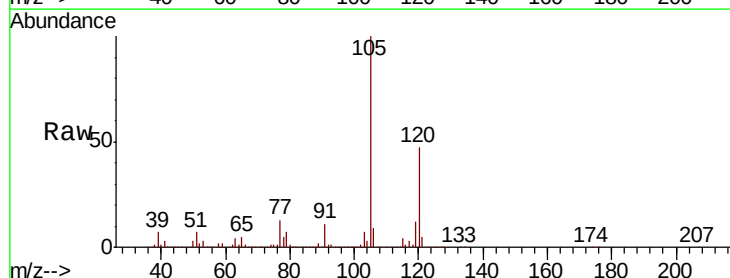
Acq: 14 May 2019 15:26

Tgt Ion:105 Resp: 1614393

Ion Ratio Lower Upper

105 100

120 47.5 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): VN055589.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN055589.D (-3392) (-)

1200000

1000000

800000

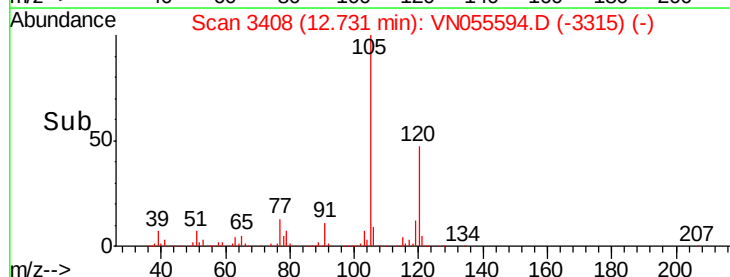
600000

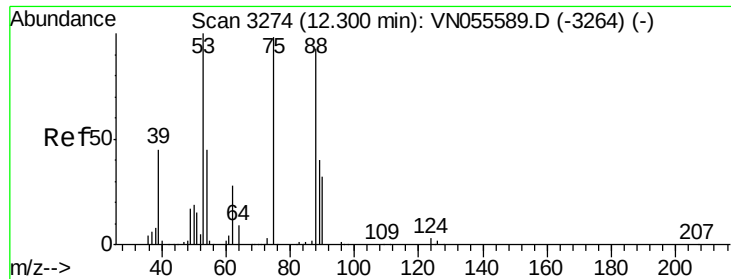
400000

200000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 48.001 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampled :

KR-02_4-14MSD

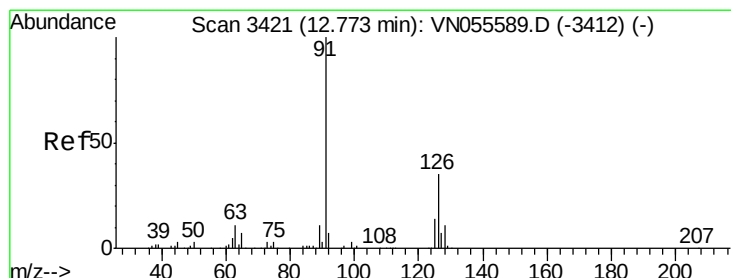
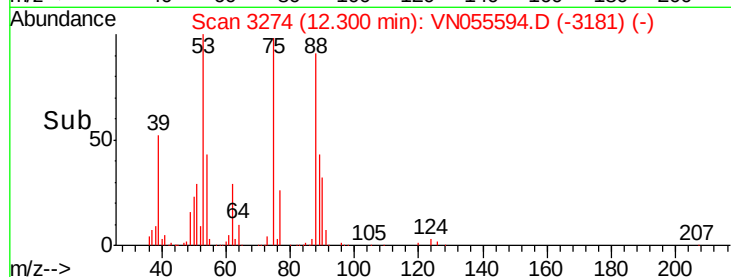
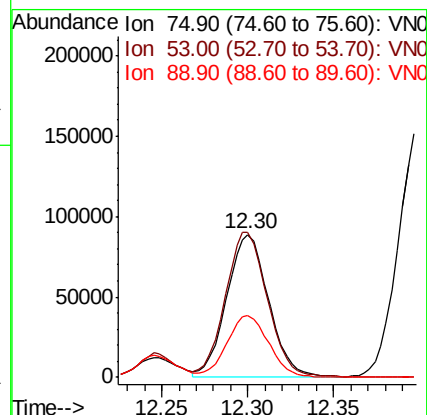
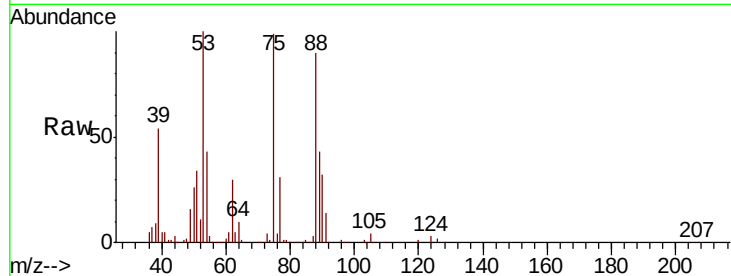
Tot Ion: 75 Resp: 149763

Ion Ratio Lower Upper

75 100

53 103.0 83.9 125.9

89 43.9 34.7 52.1



#82

4-Chlorotoluene

Concen: 46.714 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055594.D

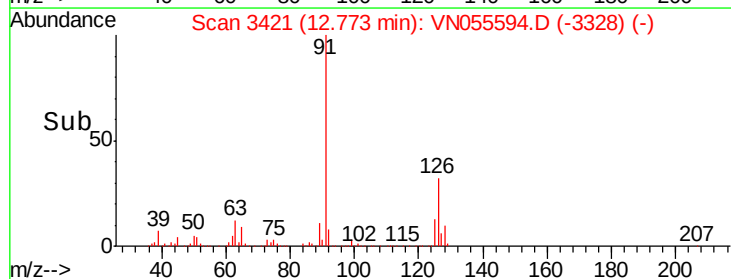
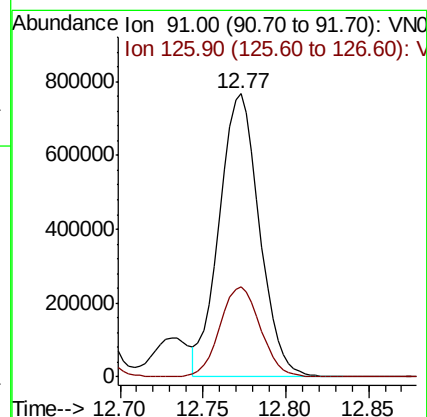
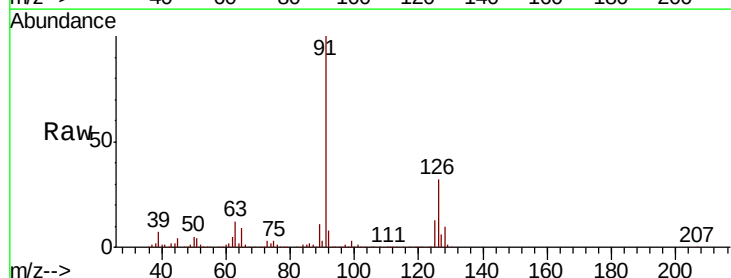
Acq: 14 May 2019 15:26

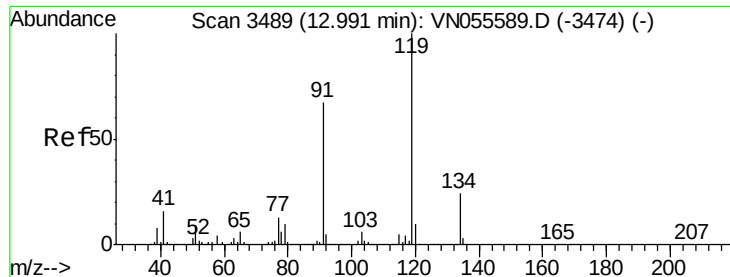
Tgt Ion: 91 Resp: 1290009

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.6

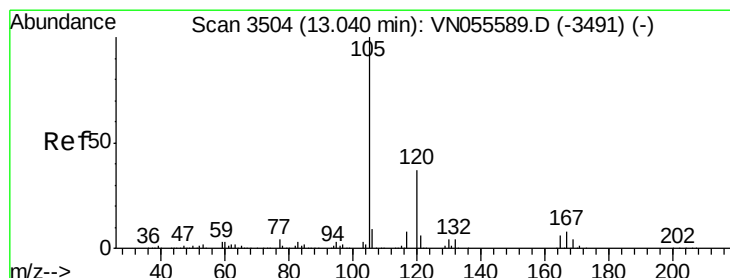
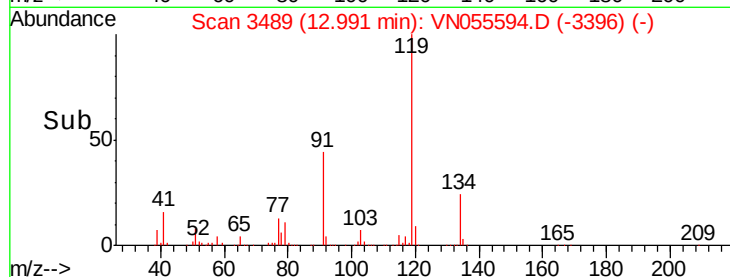
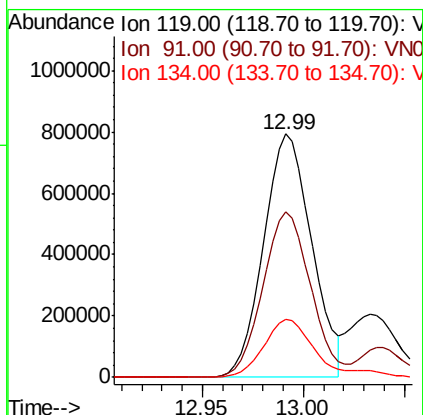
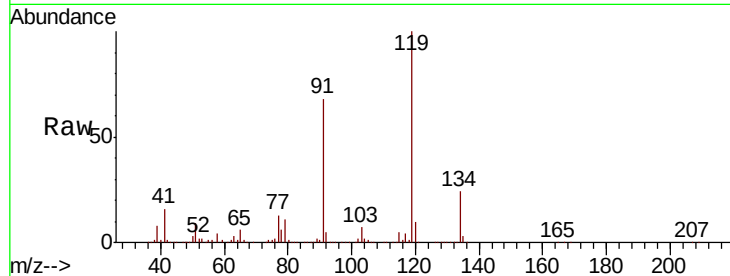




#83
 tert-Butylbenzene
 Concen: 43.806 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

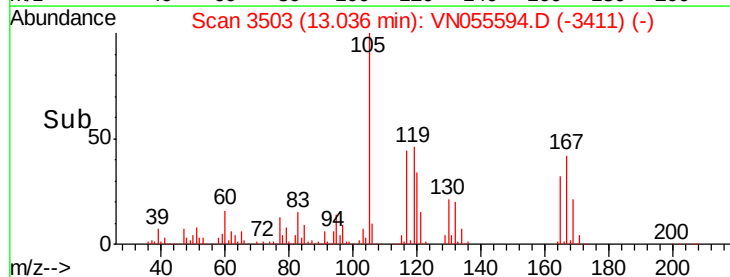
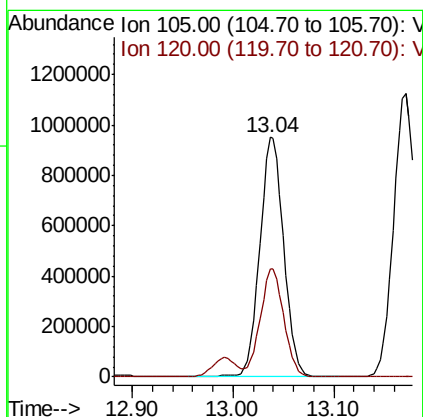
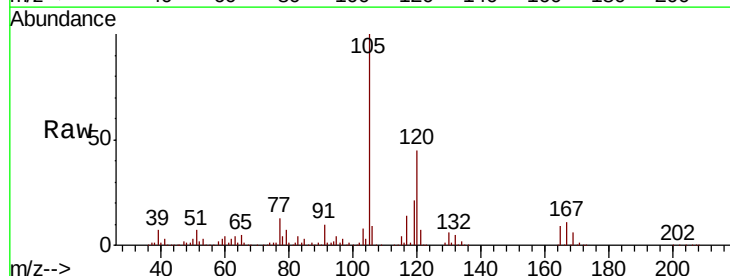
Instrument :
 MSVOA_N
 ClientSampled :
 KR-02_4-14MSD

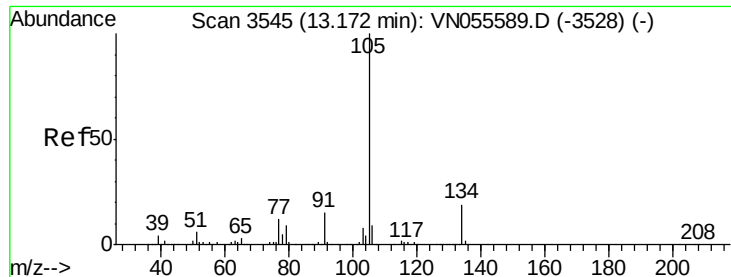
Tot Ion:119 Resp: 1317494
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.5 100.4
 134 25.9 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 48.788 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion:105 Resp: 1561127
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 45.707 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

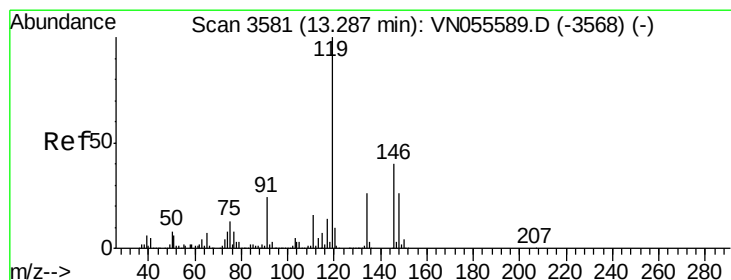
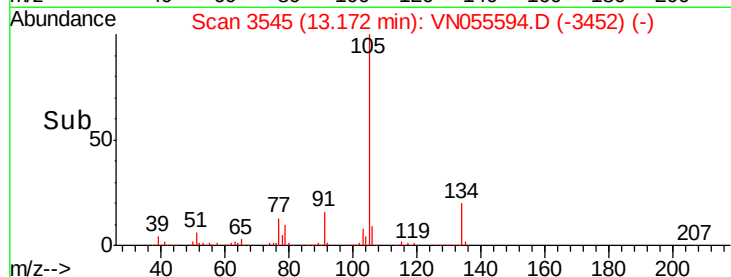
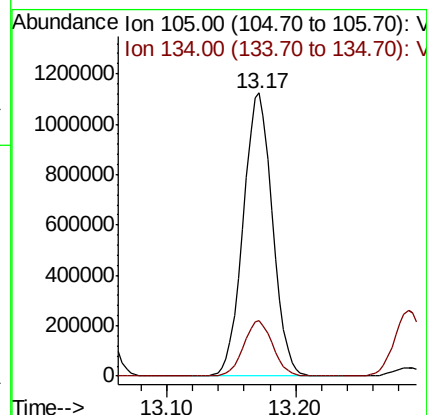
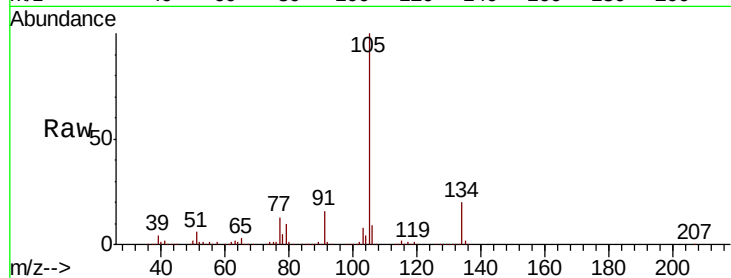
KR-02_4-14MSD

Tot Ion:105 Resp: 1770436

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 49.376 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

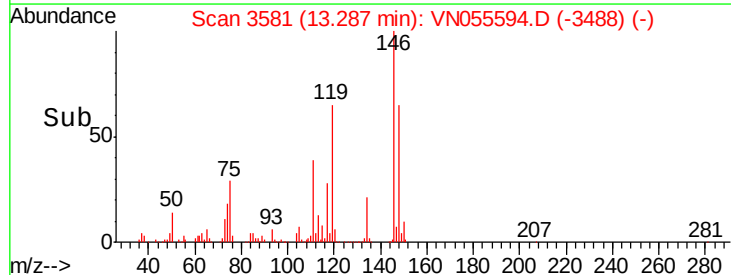
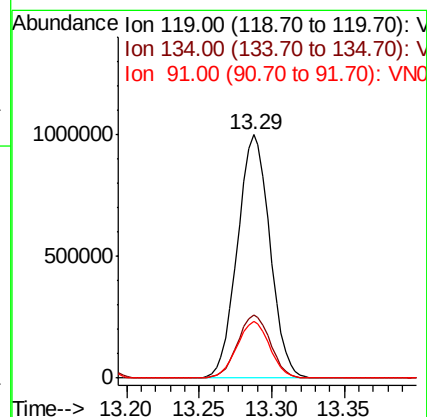
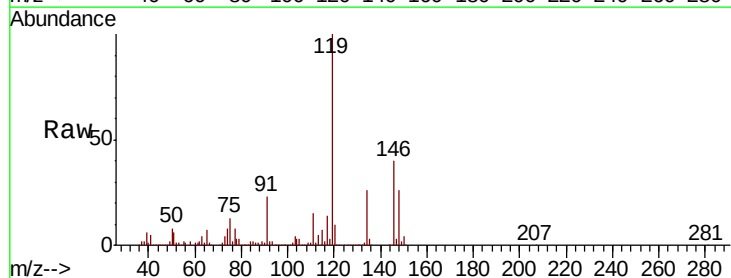
Tgt Ion:119 Resp: 1550747

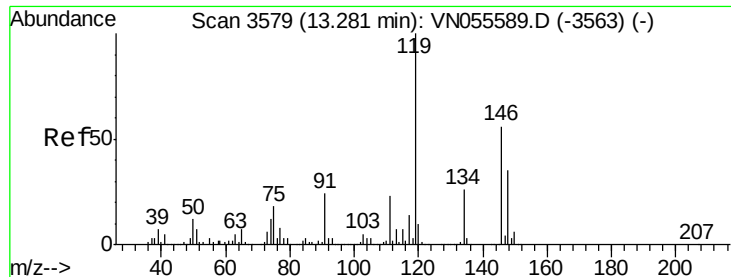
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 23.3 11.9 35.5

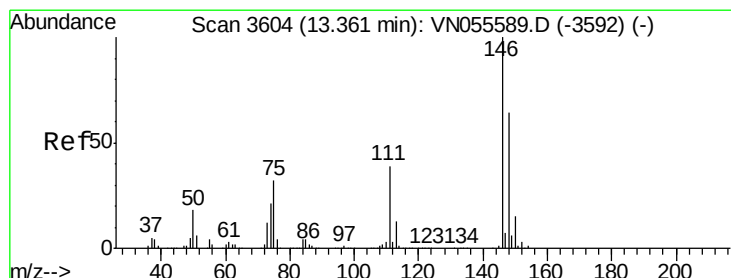
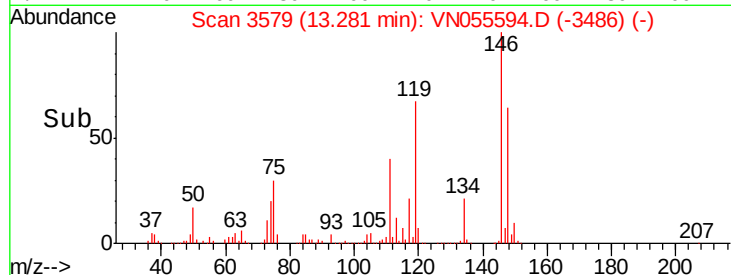
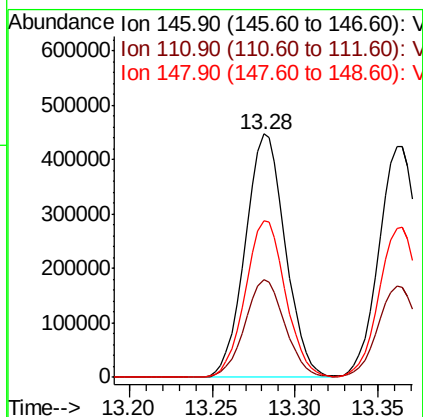
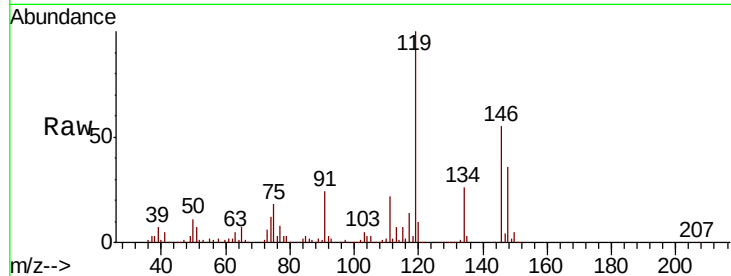




#87
 1,3-Dichlorobenzene
 Concen: 48.336 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

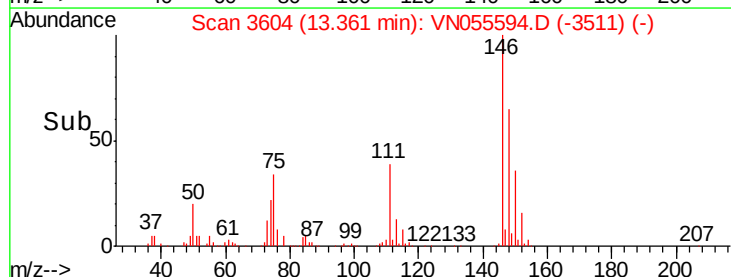
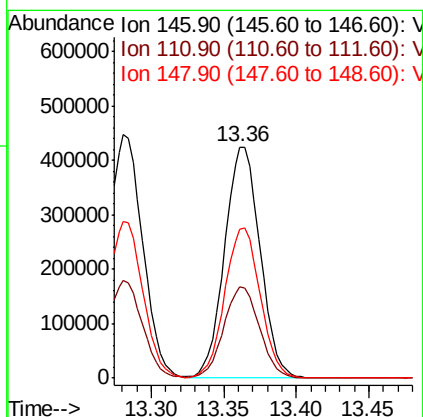
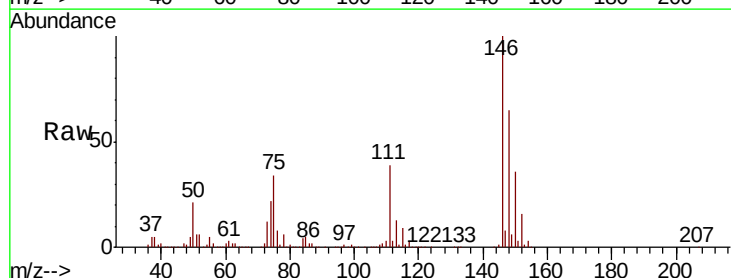
Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14MSD

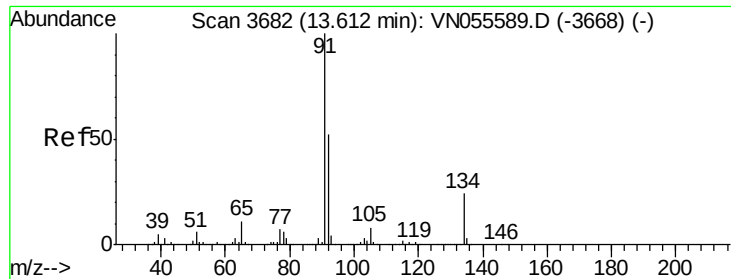
Tot Ion:146 Resp: 750317
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.5 61.5
 148 64.4 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 47.145 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion:146 Resp: 720033
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.7 59.0
 148 65.0 31.8 95.4





#89

n-Butylbenzene

Concen: 53.038 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MSD

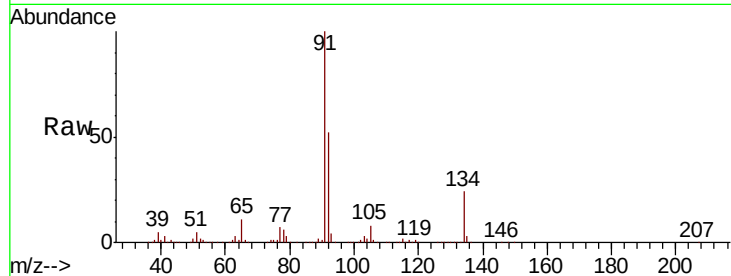
Tot Ion: 91 Resp: 1228980

Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.8
134	24.0	12.2	36.4

91 100

92 51.8 25.9 77.8

134 24.0 12.2 36.4

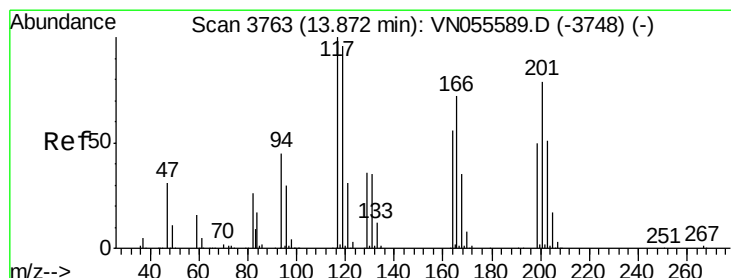
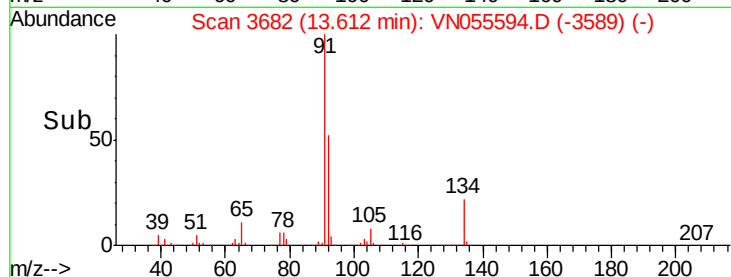
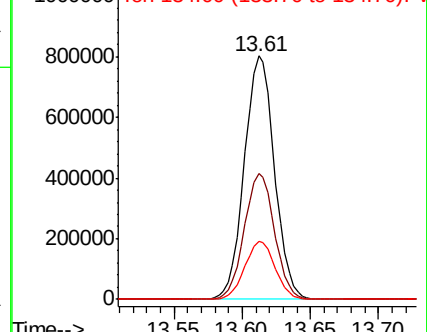


Abundance

Ion 91.00 (90.70 to 91.70): VN055589.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055589.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055589.D (-3668) (-)



#90

Hexachloroethane

Concen: 48.594 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055594.D

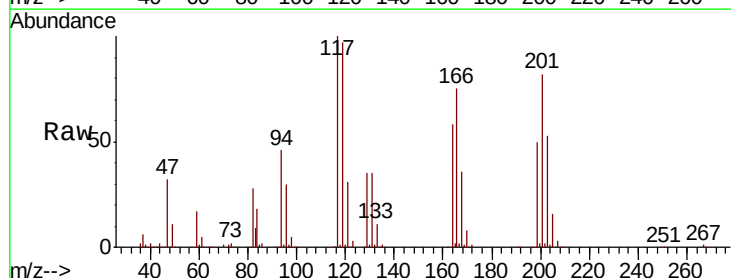
Acq: 14 May 2019 15:26

Tgt Ion: 117 Resp: 236291

Ion	Ratio	Lower	Upper
117	100		
201	81.7	40.6	121.8

117 100

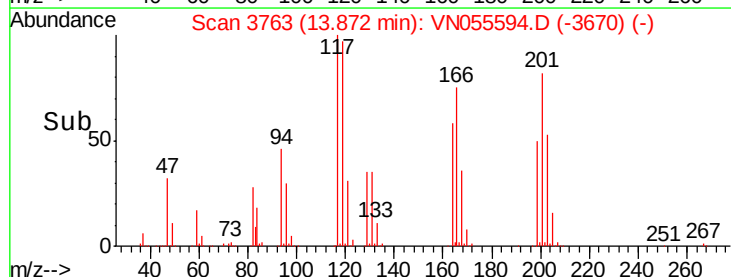
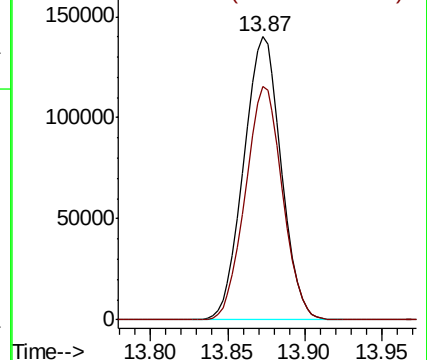
201 81.7 40.6 121.8

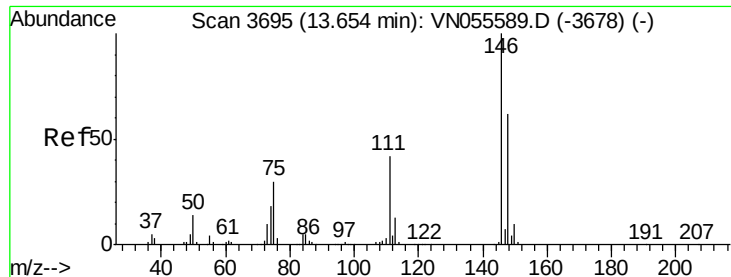


Abundance

Ion 116.80 (116.50 to 117.50): VN055589.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055589.D (-3748) (-)

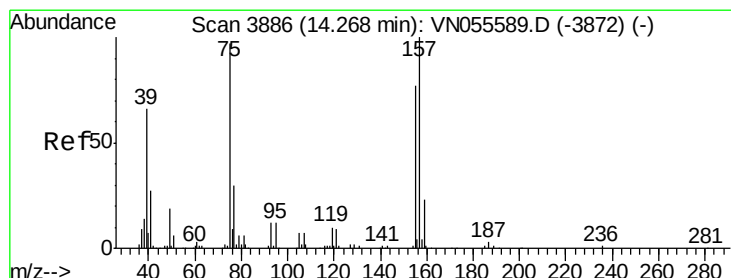
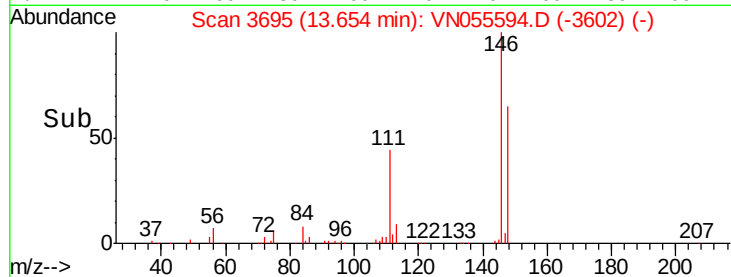
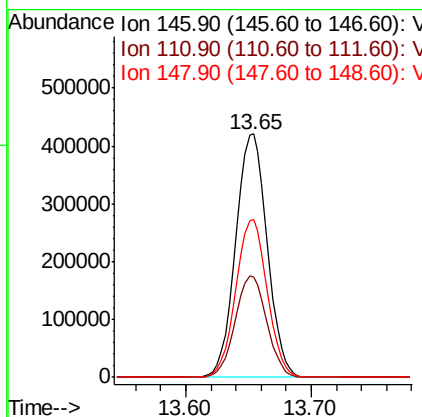
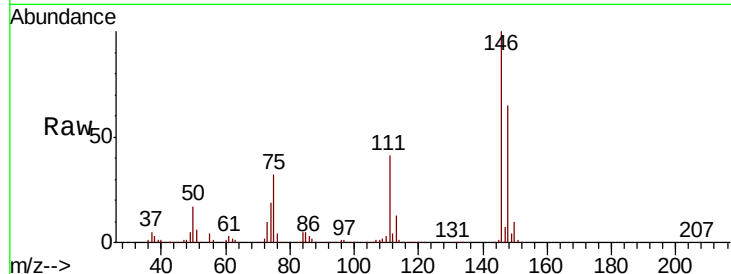




#91
 1,2-Dichlorobenzene
 Concen: 47.348 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

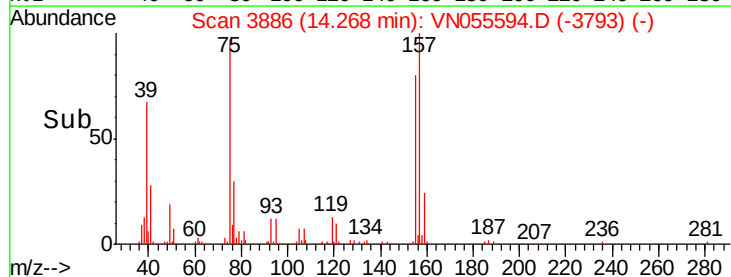
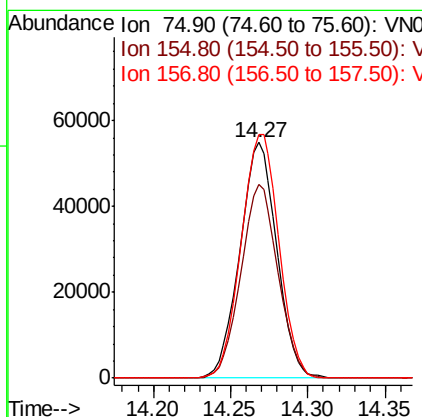
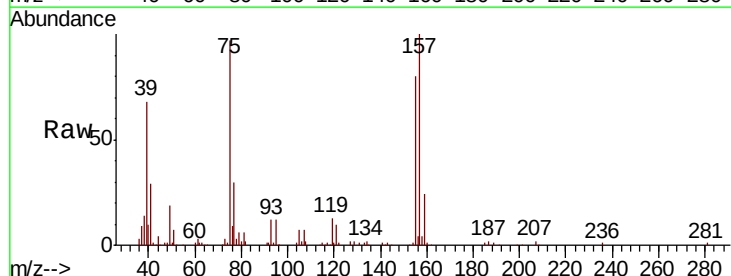
Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14MSD

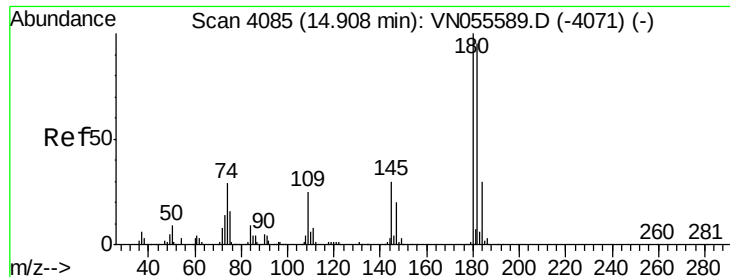
Tot Ion:146 Resp: 734494
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.0 63.0
 148 64.7 31.3 93.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.790 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion: 75 Resp: 91328
 Ion Ratio Lower Upper
 75 100
 155 82.7 40.4 121.1
 157 105.5 52.1 156.4

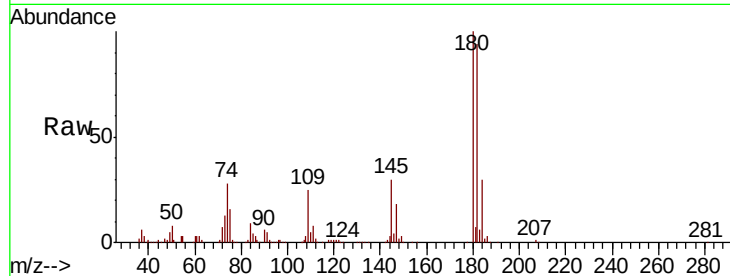




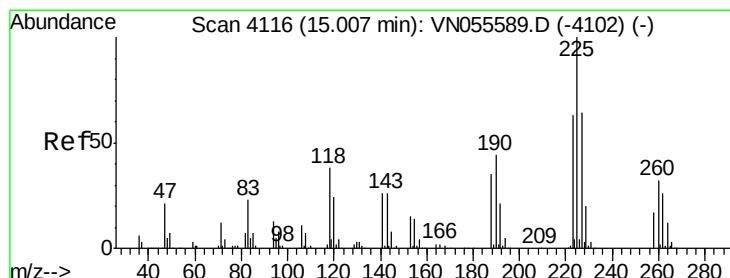
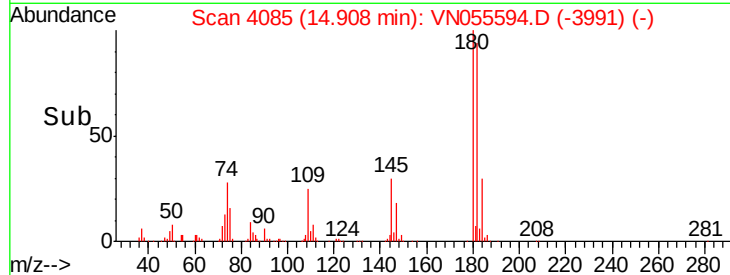
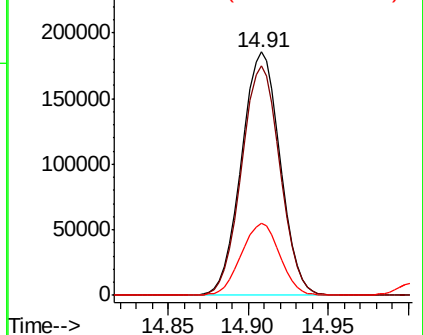
#93
 1,2,4-Trichlorobenzene
 Concen: 48.592 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 KR-02_4-14MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.4	142.3
145	29.5	14.9	44.7

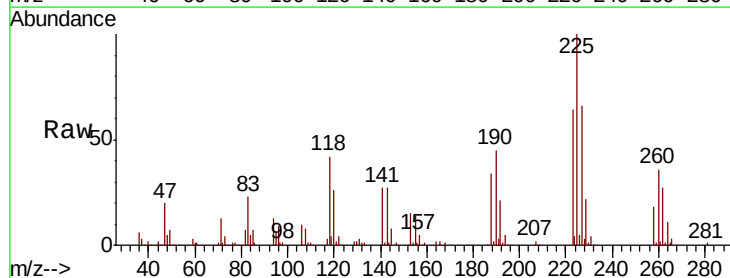


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

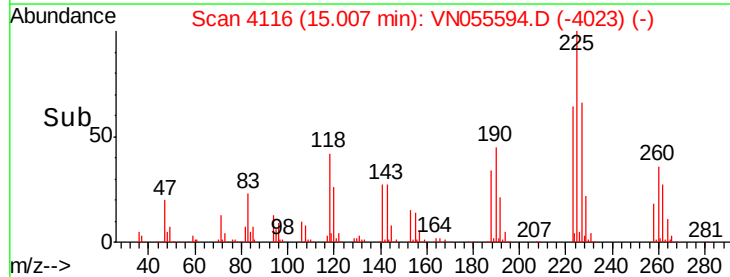
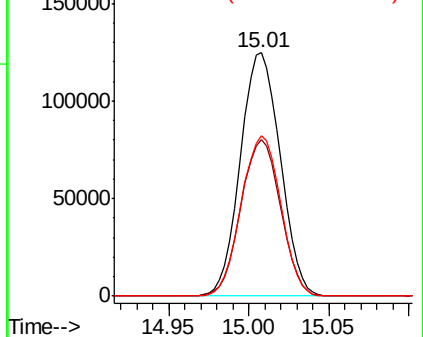


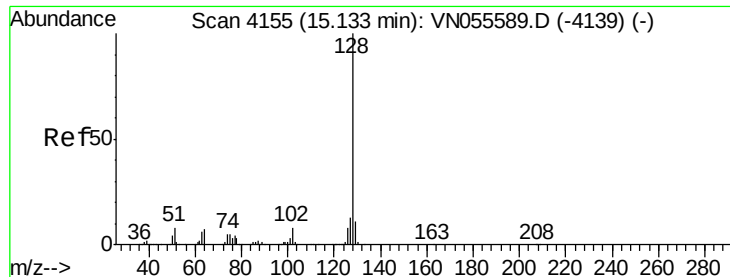
#94
 Hexachlorobutadiene
 Concen: 49.741 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.6	95.0
227	65.5	32.4	97.0



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

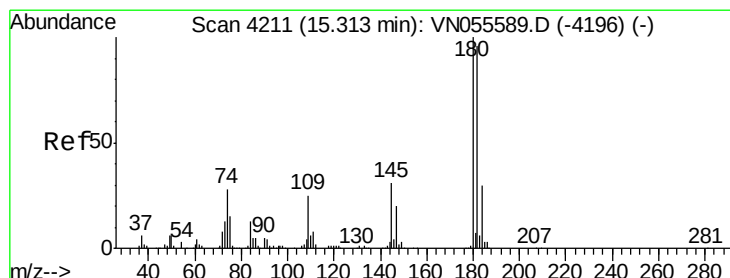
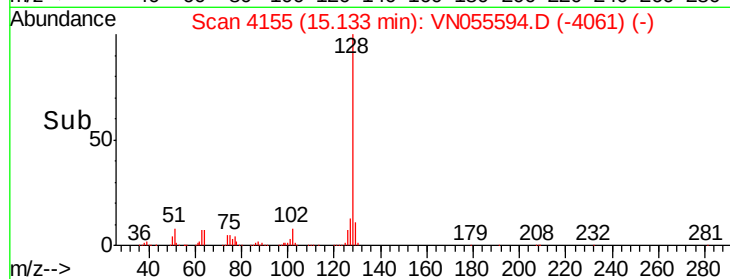
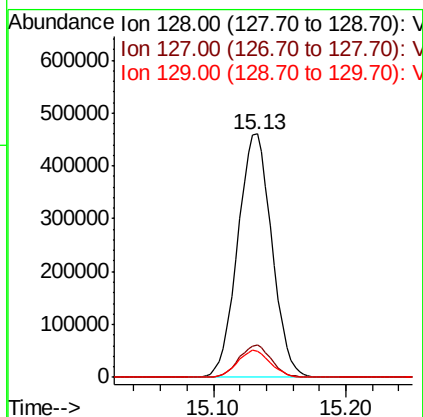
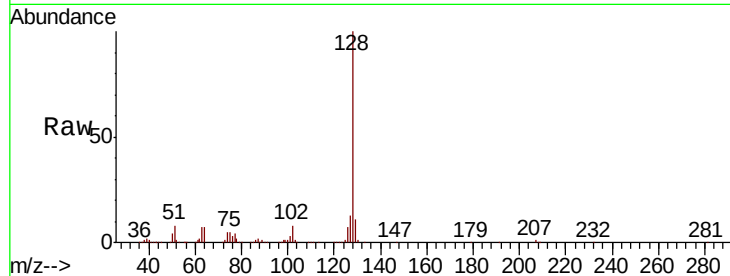




#95
Naphthalene
Concen: 48.918 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14MSD

Tot Ion:128 Resp: 821223
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.106 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion:180 Resp: 328644
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.6
145 31.9 15.6 46.7

