

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

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:35 PM

Quant Time: May 15 07:53:56 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
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) Stvrene	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	519525m	46.815	ug/l	
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
93) 1,2,4-Trichlorobenzene	14.91	180	306008	48.592	ug/l	99

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KR-02_4-14MSD

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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)
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

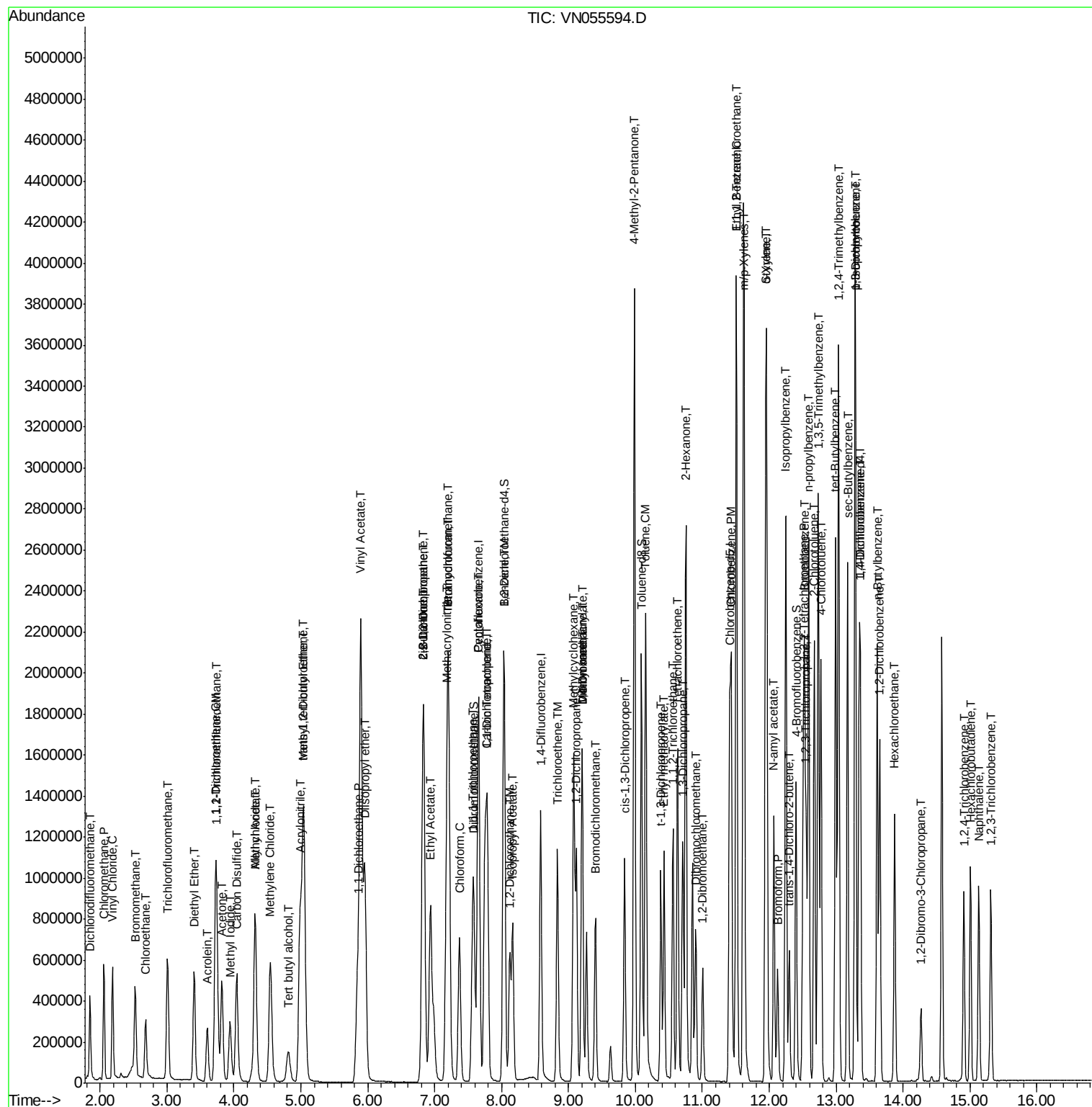
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 Data File : VN055594.D
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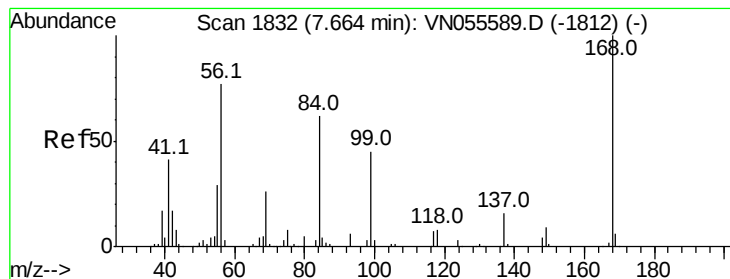
Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02 4-14MSD

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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

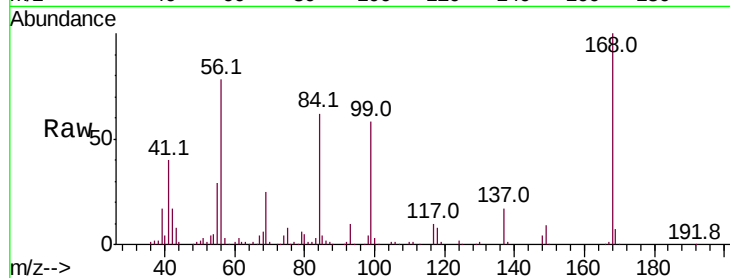
99 56.8 44.6 66.8

Manual Integrations

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5/16/2019 1:27:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

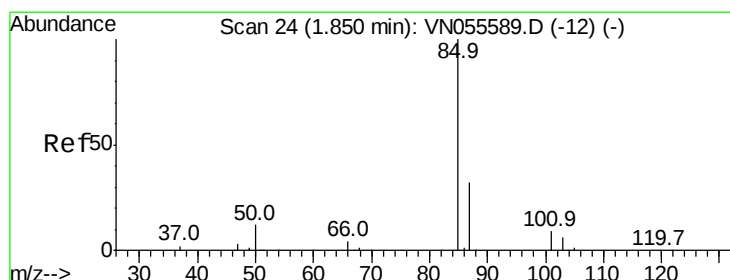
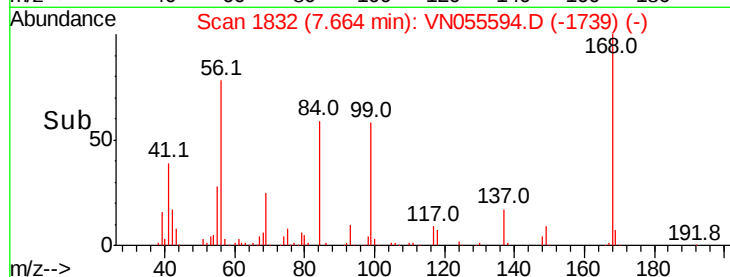
300000

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

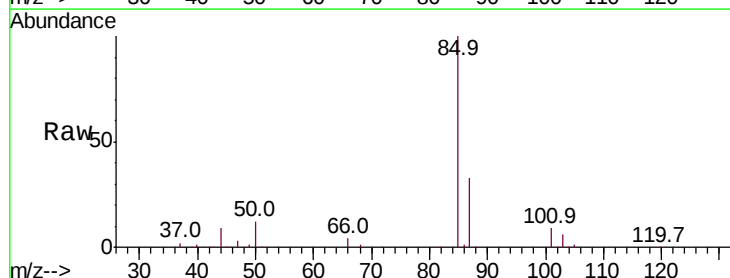
Acq: 14 May 2019 15:26

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

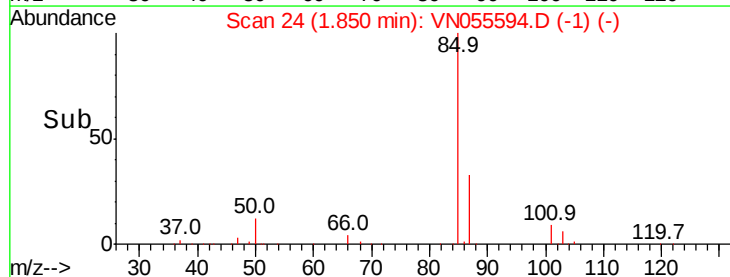
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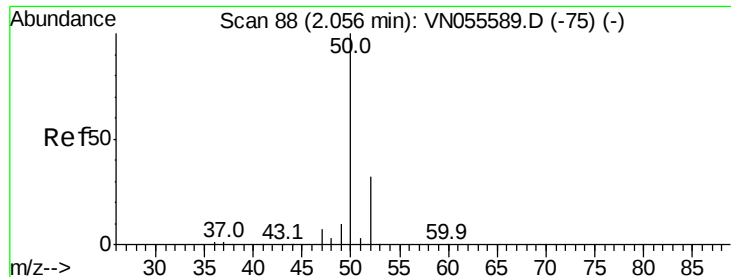
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50000

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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

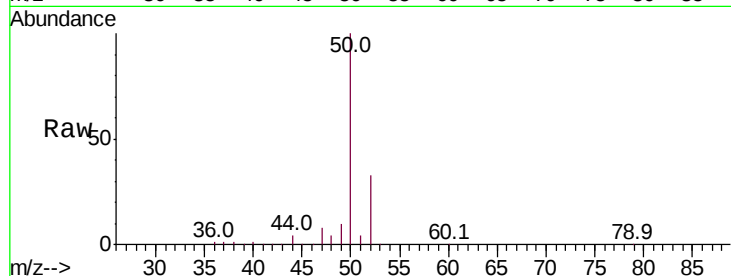
52 33.0 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

400000

300000

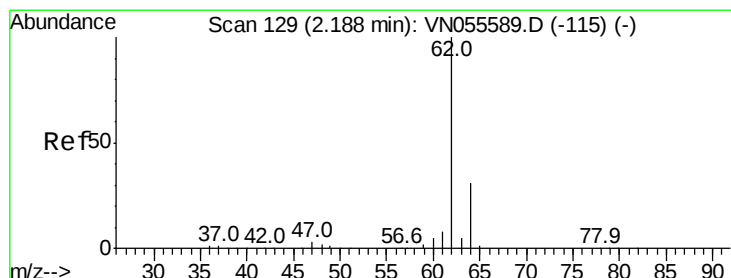
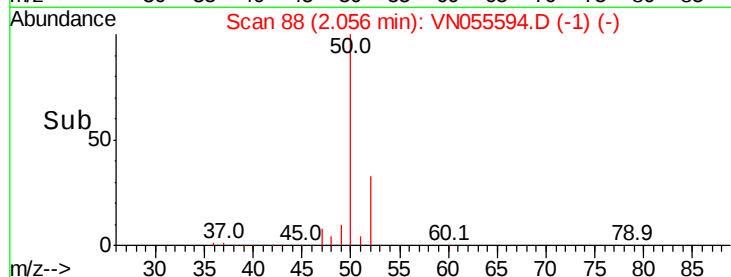
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100000

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Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 47.195 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055594.D

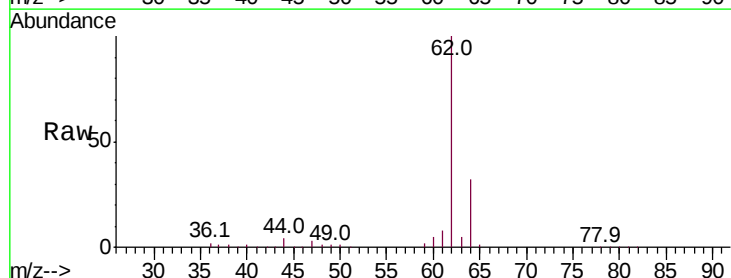
Acq: 14 May 2019 15:26

Tgt Ion: 62 Resp: 512416

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

400000

300000

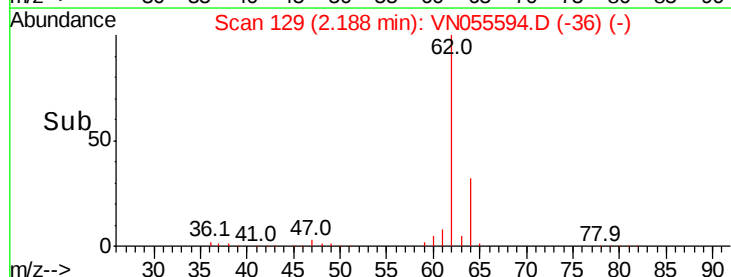
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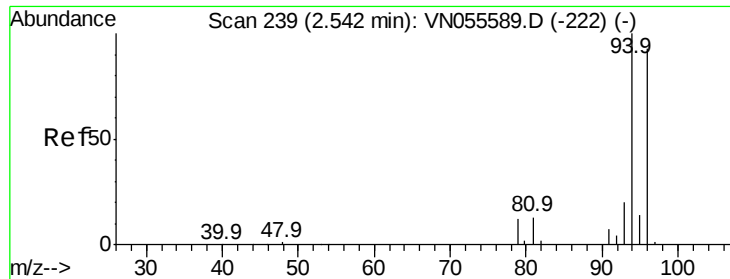
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Time-->

2.10 2.15 2.20 2.25 2.30





#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

Instrument :

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ClientSampleId :

KR-02 4-14MSD

Tot Ion: 94 Resp: 288886

Ion Ratio Lower Upper

94 100

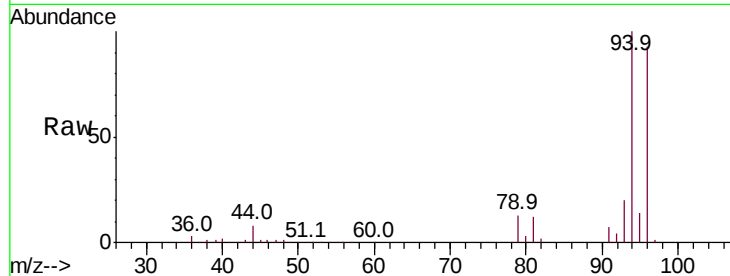
96 93.4 74.0 111.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

150000

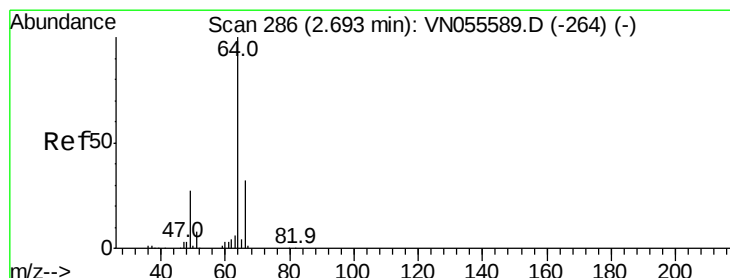
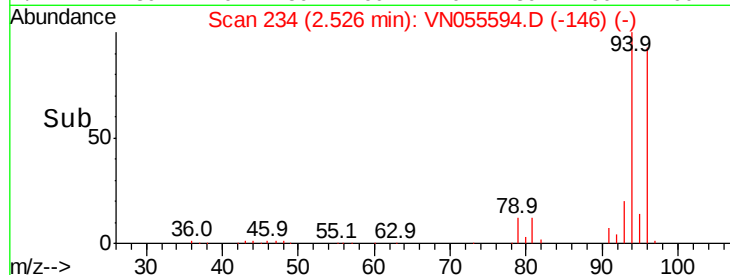
100000

50000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 45.184 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN055594.D

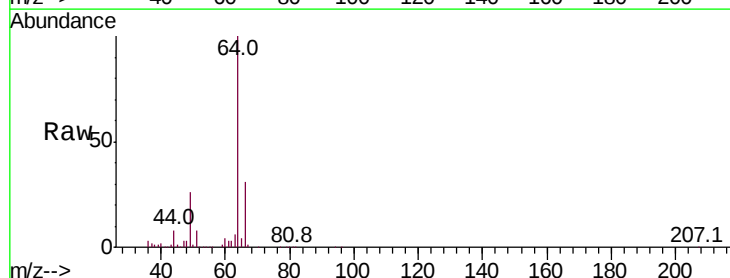
Acq: 14 May 2019 15:26

Tgt Ion: 64 Resp: 297356

Ion Ratio Lower Upper

64 100

66 31.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

150000

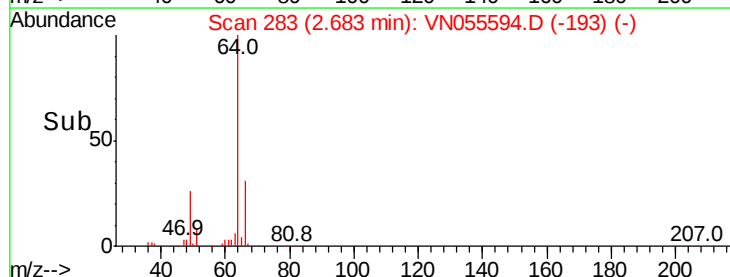
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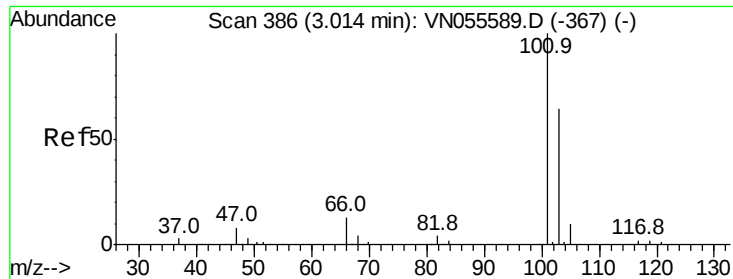
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Time-->

2.60 2.65 2.70 2.75





#7

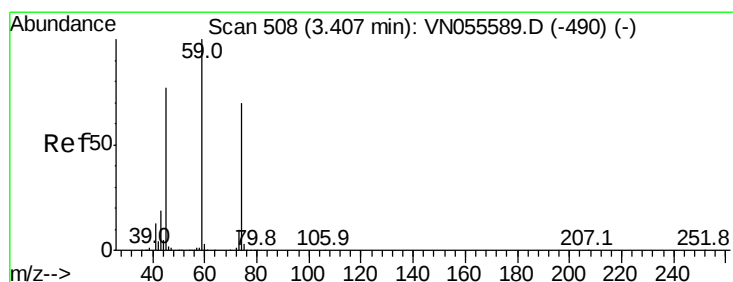
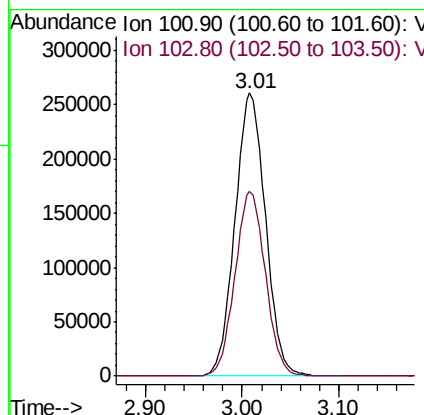
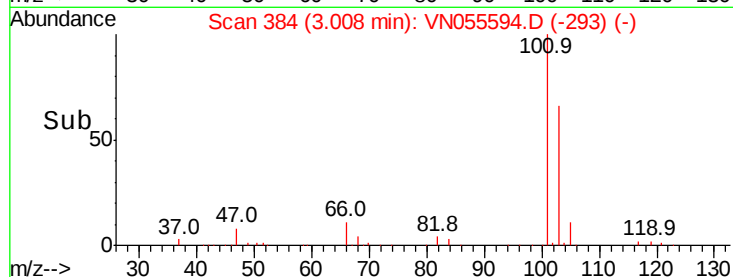
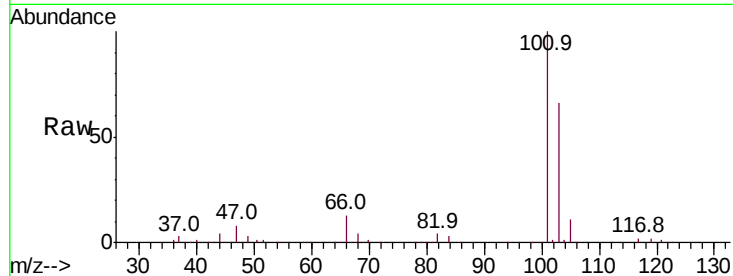
Trichlorofluoromethane
Concen: 47.251 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.01 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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KR-02_4-14MSD

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

Manual Integrations
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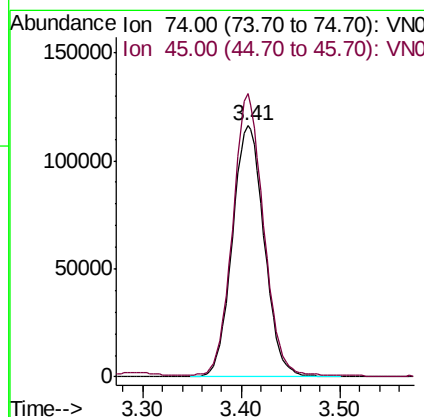
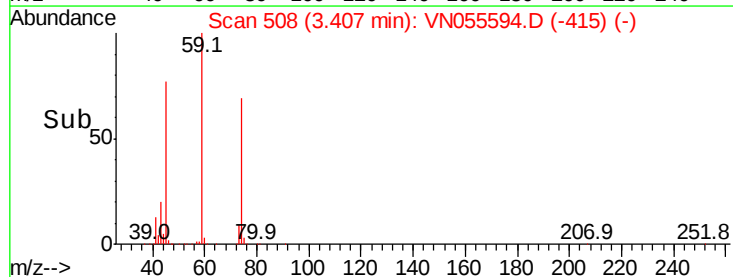
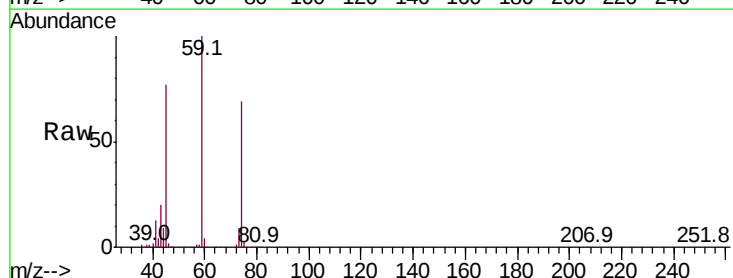
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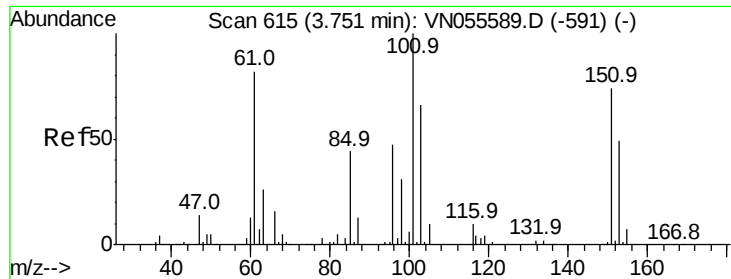


#8

Diethyl Ether
Concen: 48.377 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

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MSVOA_N

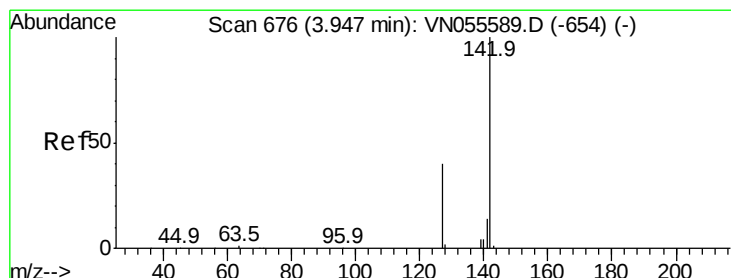
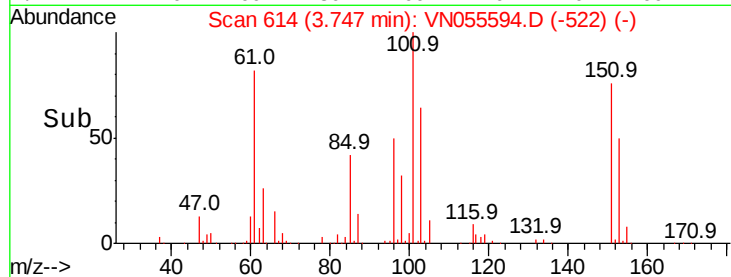
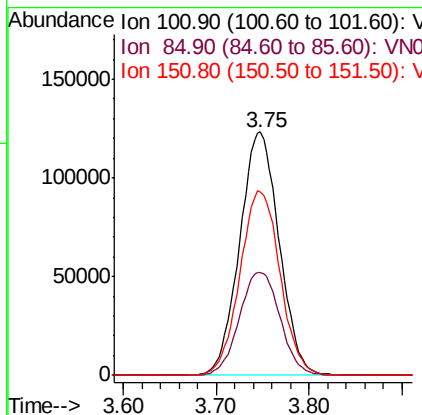
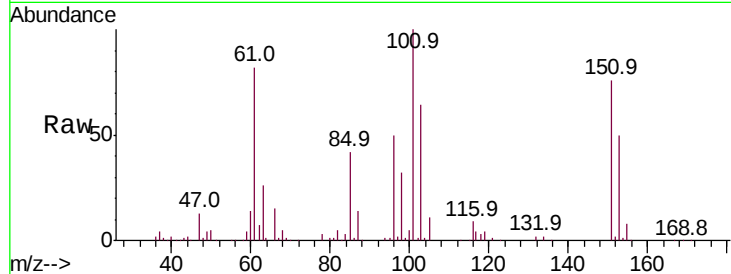
ClientSampleId :

KR-02_4-14MSD

Tot Ion:	101	Resp:	364818
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.2	51.2
151	76.8	60.2	90.2

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#10

Methyl Iodide

Concen: 52.131 ug/l

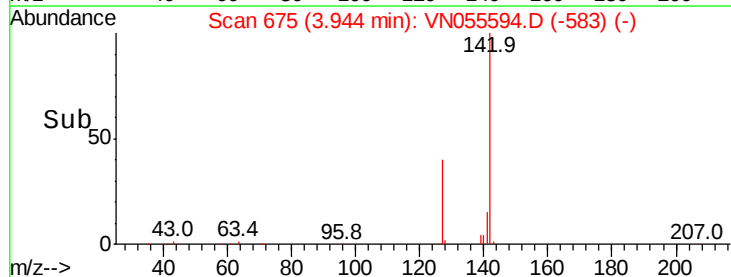
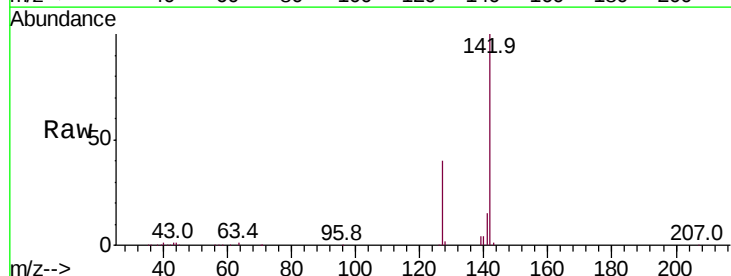
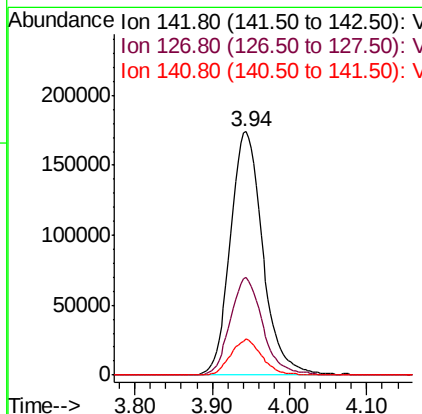
RT: 3.94 min Scan# 675

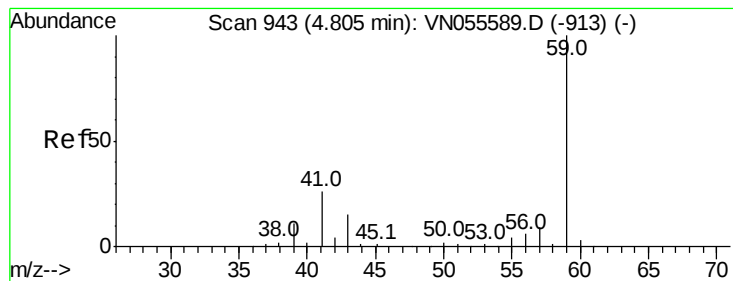
Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Tgt Ion:	142	Resp:	506388
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.5	48.7
141	14.2	11.2	16.8





#11

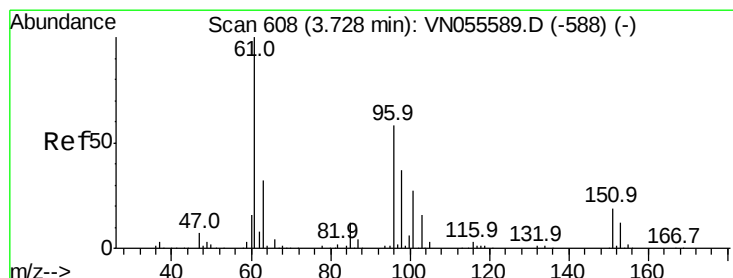
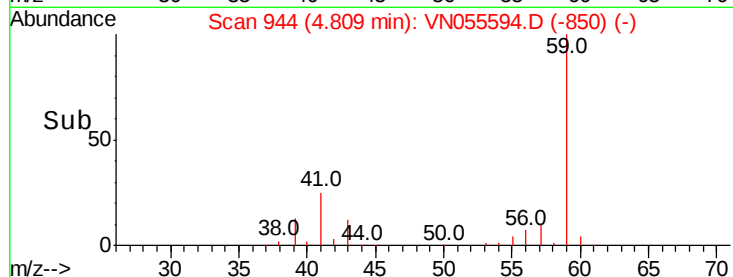
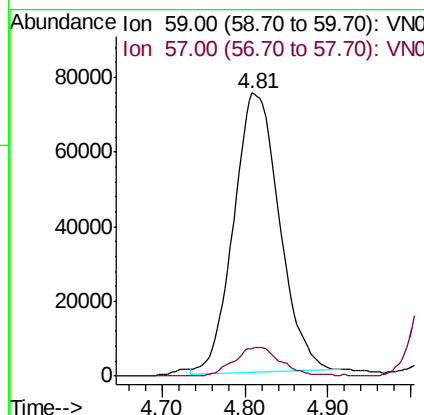
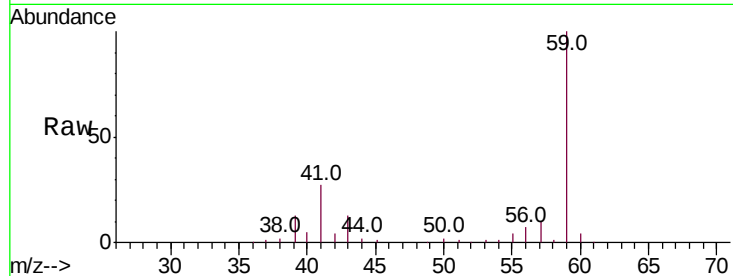
Tert butyl alcohol
 Concen: 228.885 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 KR-02 4-14MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.6	11.4

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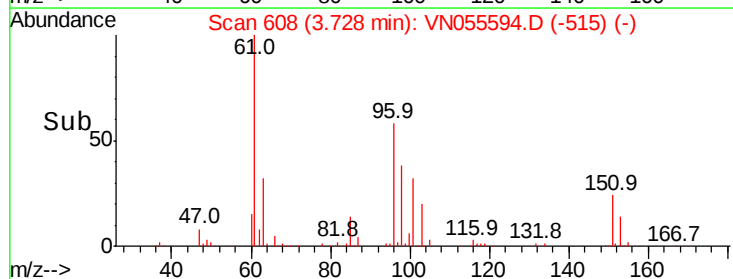
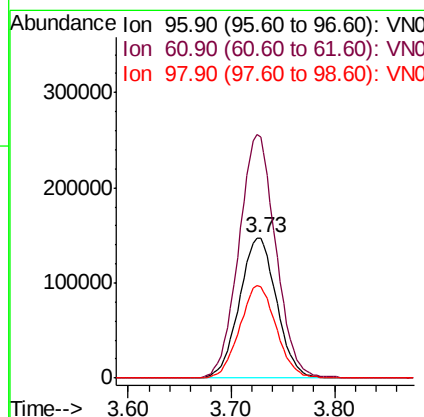
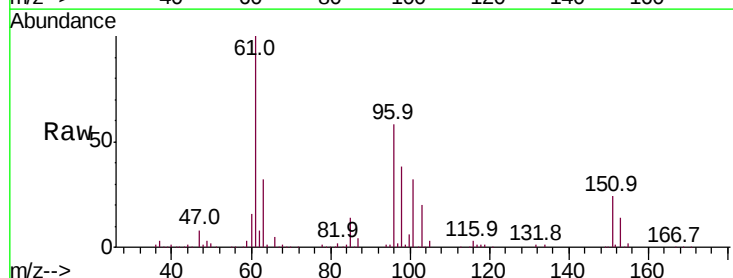
MMDadoda
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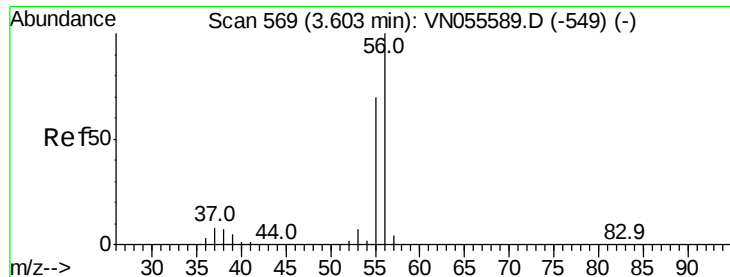


#12

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	Ratio	Lower	Upper
96	100		
61	171.4	137.5	206.3
98	65.0	50.3	75.5





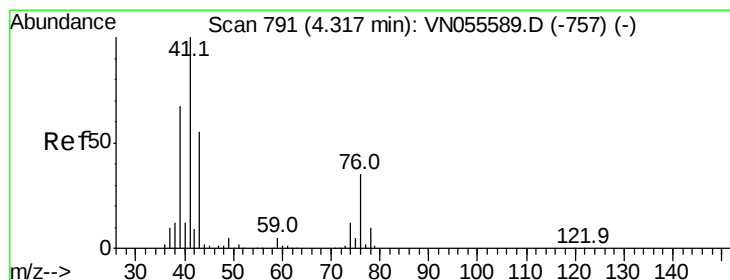
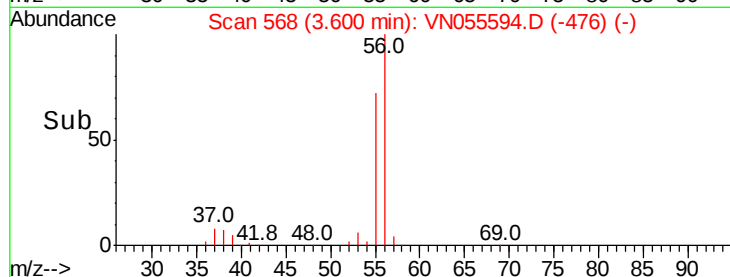
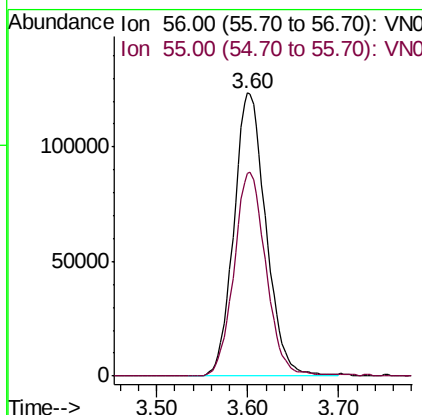
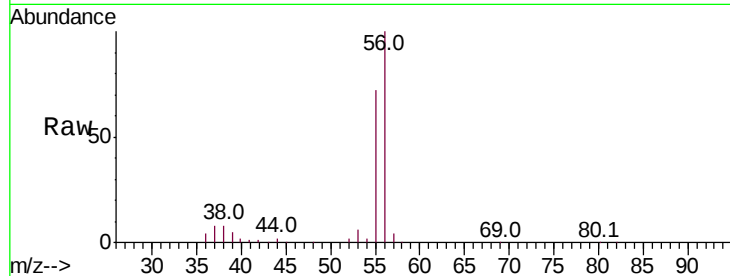
#13
Acrolein
Concen: 239.231 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	57.1	85.7

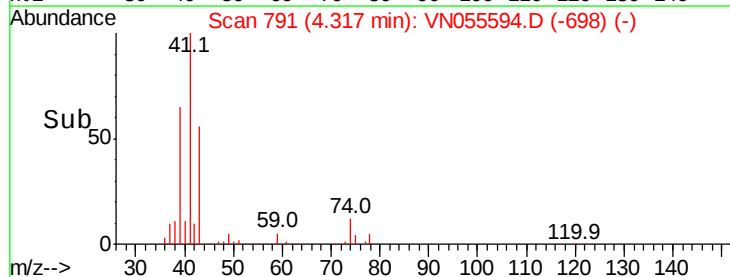
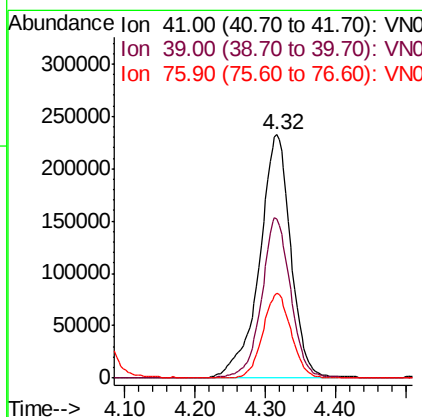
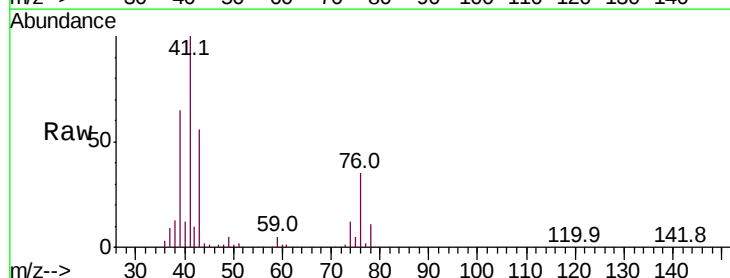
Manual Integrations
APPROVED

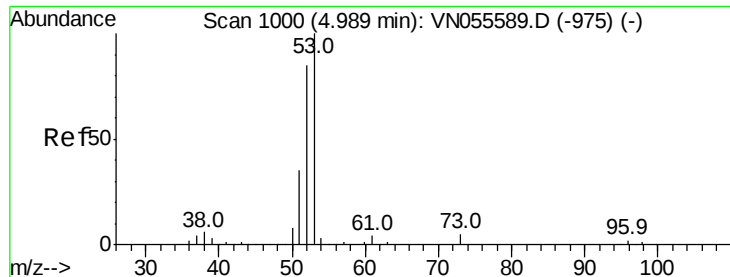
MMDadoda
5/16/2019 1:27:35 PM



#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	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

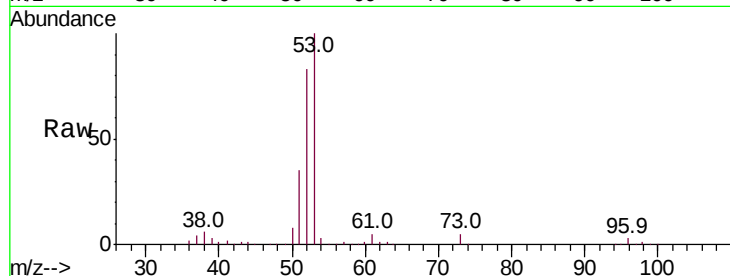
51 35.7 28.3 42.5

Manual Integrations

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Abundance Ion 53.00 (52.70 to 53.70): VN055589.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN055589.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN055589.D (-975) (-)

4.99

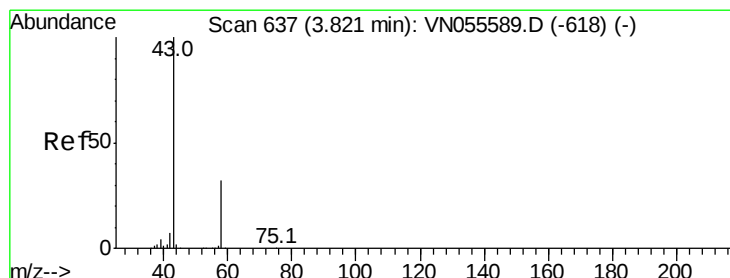
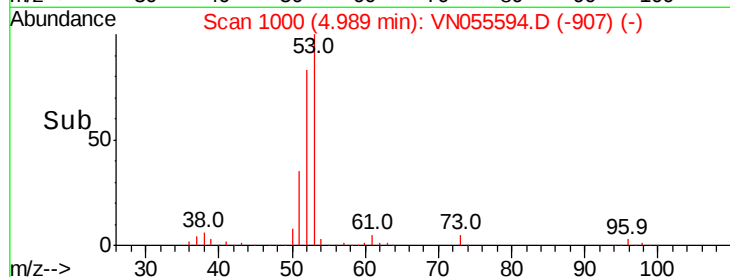
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 178.400 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055594.D

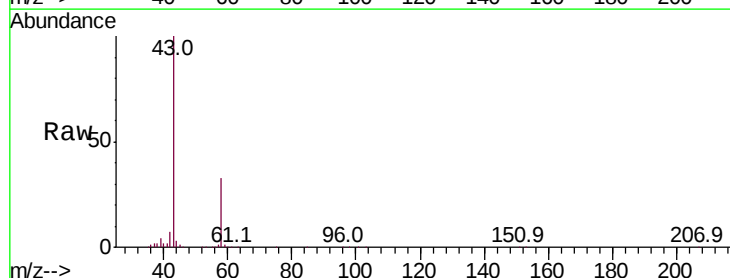
Acq: 14 May 2019 15:26

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): VN055589.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN055589.D (-618) (-)

3.82

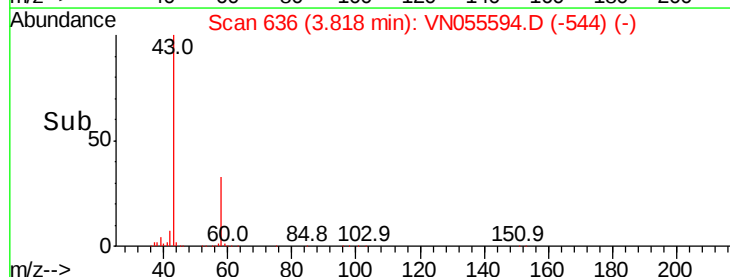
300000

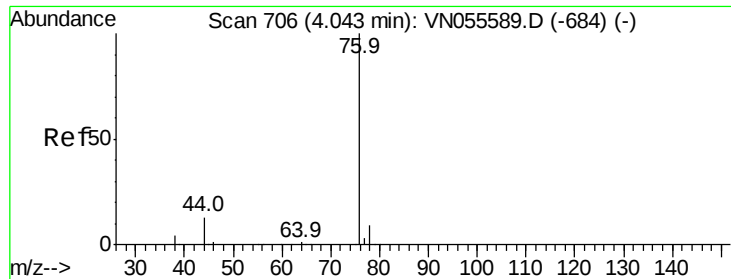
200000

100000

0

Time-->





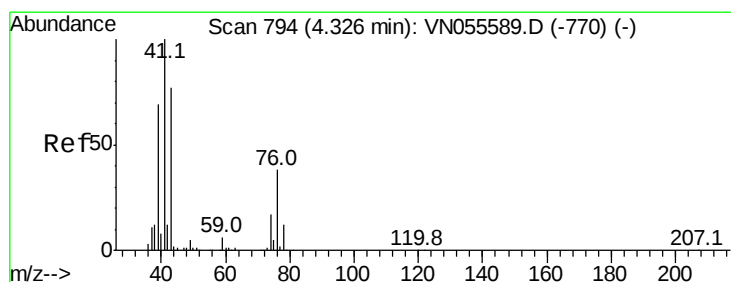
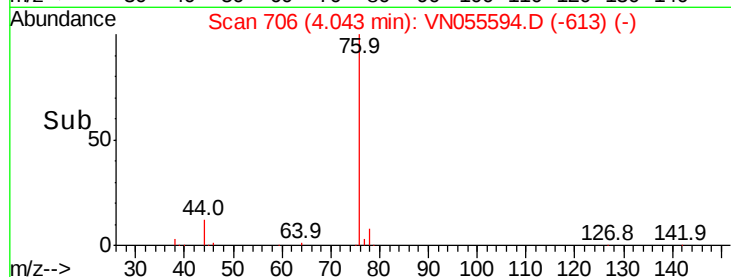
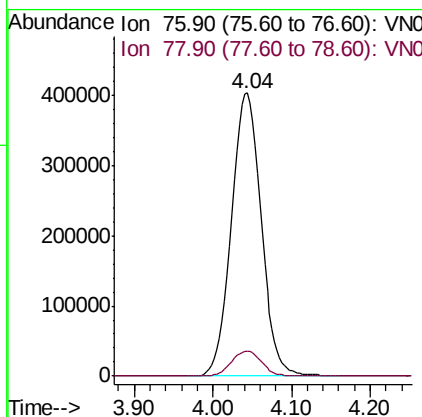
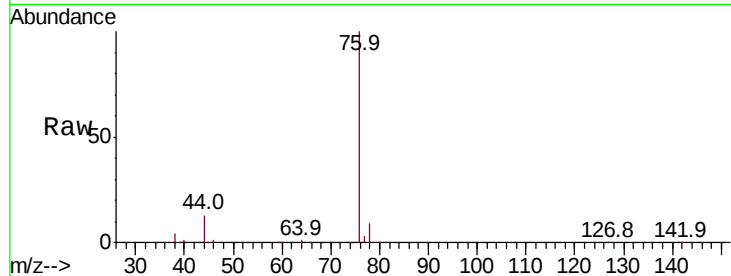
#17
Carbon Disulfide
Concen: 48.683 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

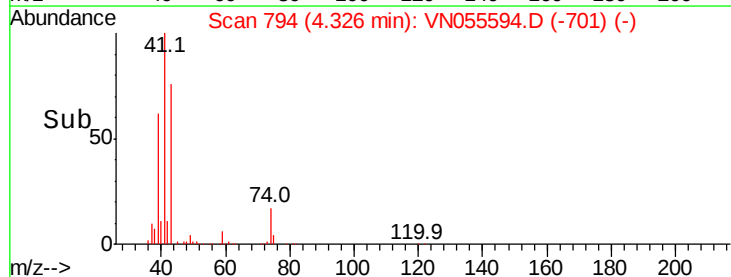
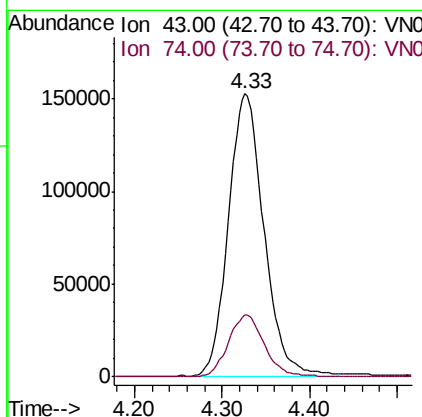
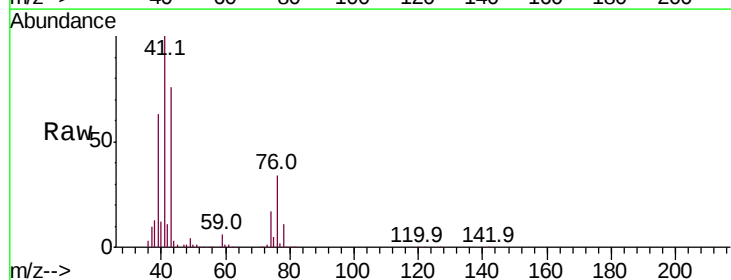
Manual Integrations
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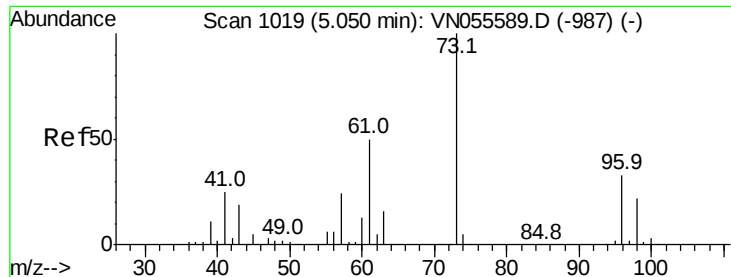
MMDadoda
5/16/2019 1:27:35 PM



#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





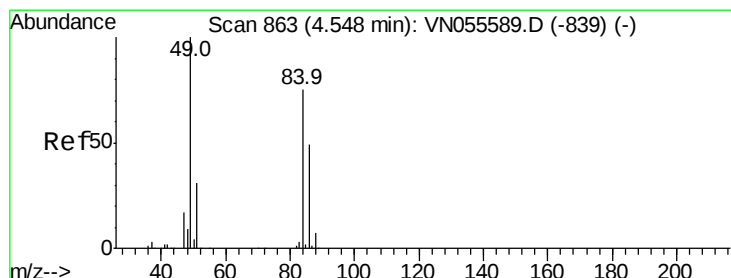
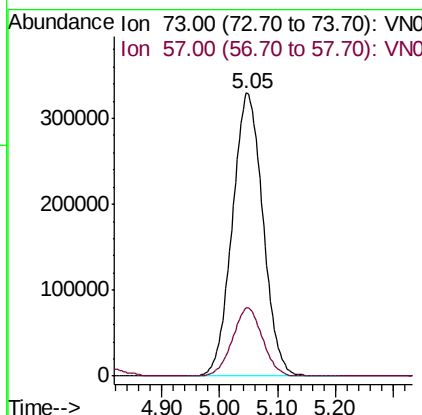
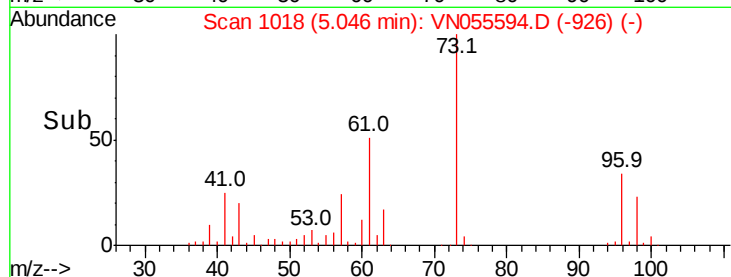
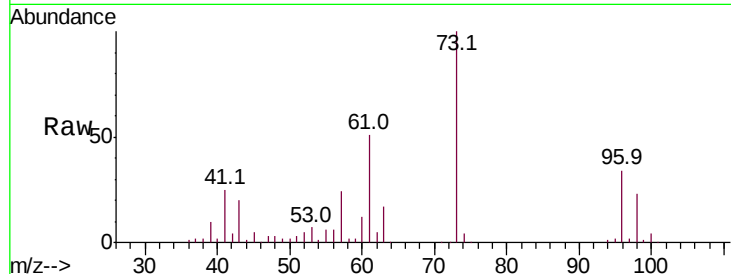
#19
Methyl tert-butyl Ether
Concen: 50.767 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

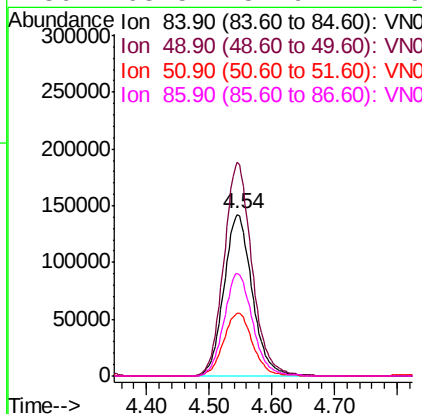
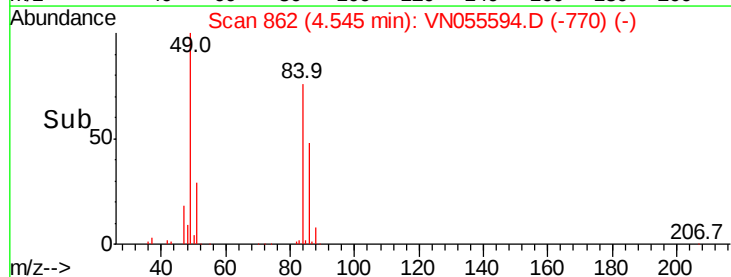
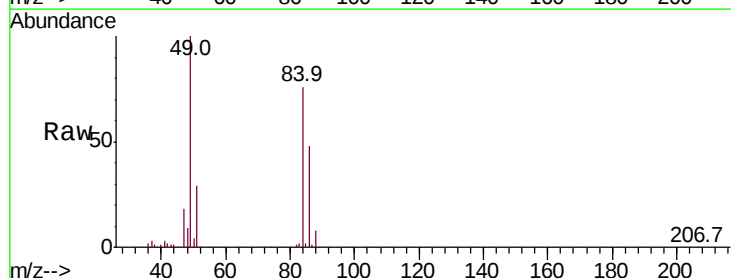
Manual Integrations
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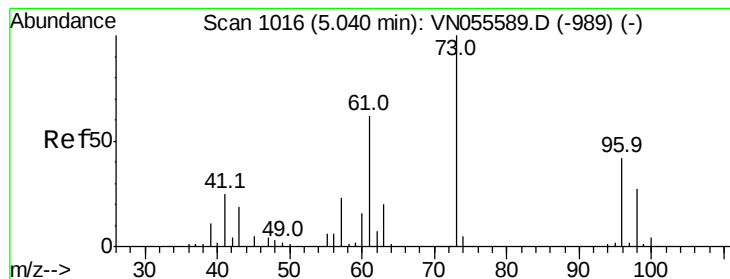
MMDadoda
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#20
Methylene Chloride
Concen: 47.186 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

ClientSampleId :

KR-02 4-14MSD

Tot Ion: 96 Resp: 408416

Ion Ratio Lower Upper

96 100

61 149.1 117.8 176.6

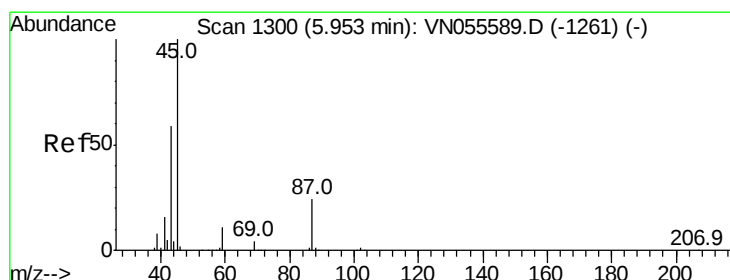
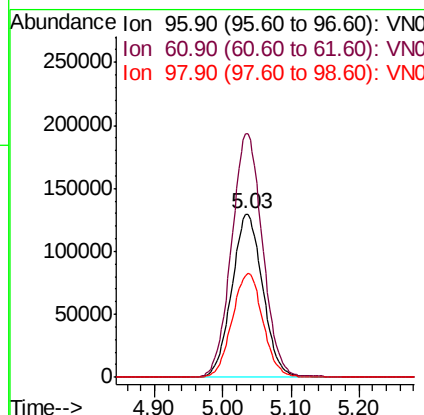
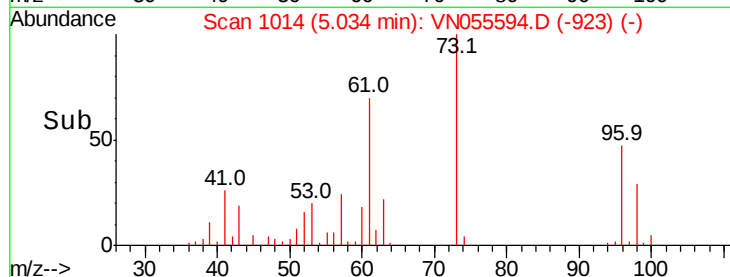
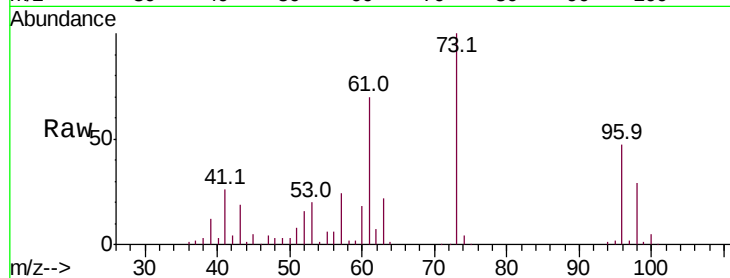
98 61.9 51.4 77.2

Manual Integrations

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#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

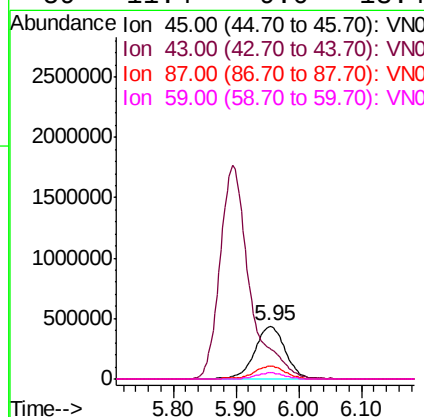
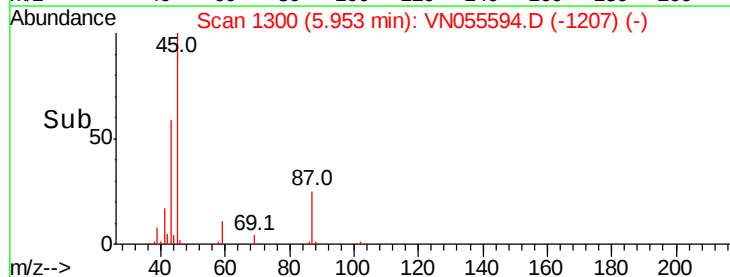
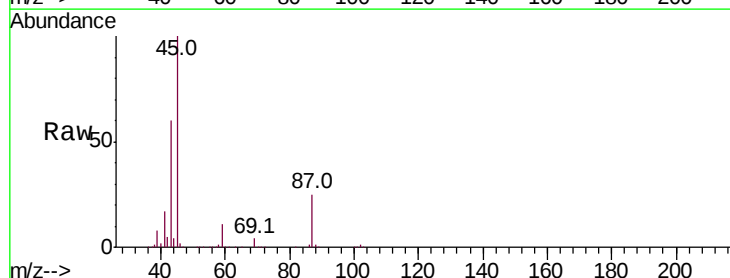
Ion Ratio Lower Upper

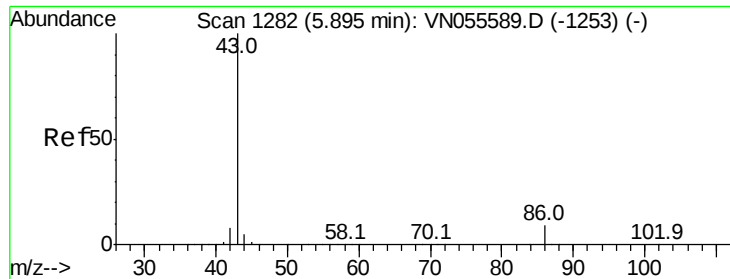
45 100

43 59.1 47.1 70.7

87 24.5 19.5 29.3

59 11.4 9.0 13.4





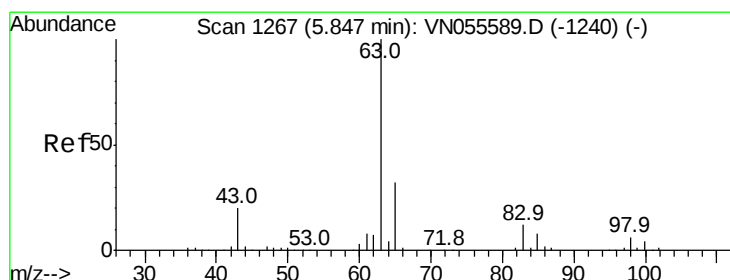
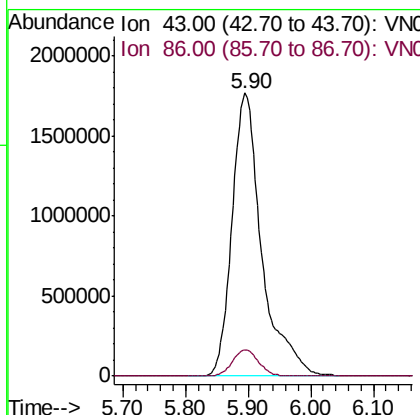
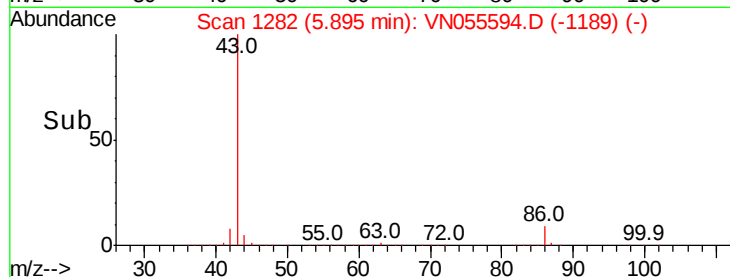
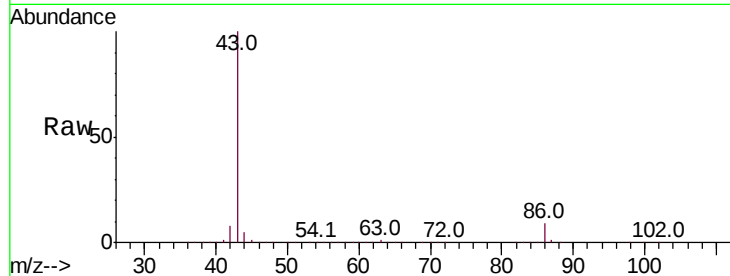
#23
 Vinyl Acetate
 Concen: 262.429 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

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

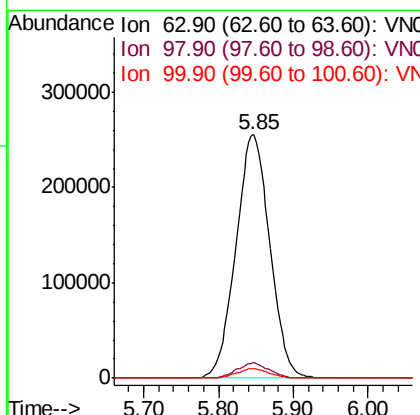
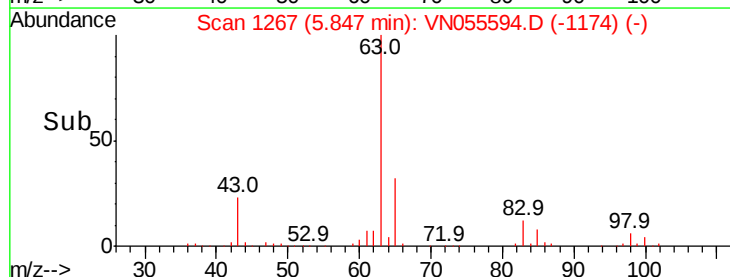
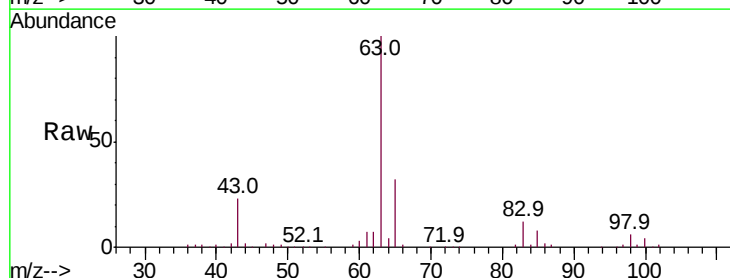
Manual Integrations
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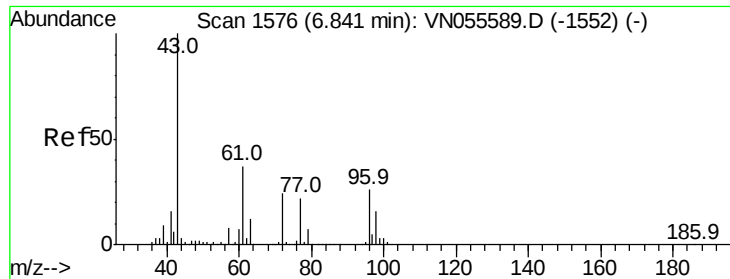
MMDadoda
 5/16/2019 1:27:35 PM



#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





#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

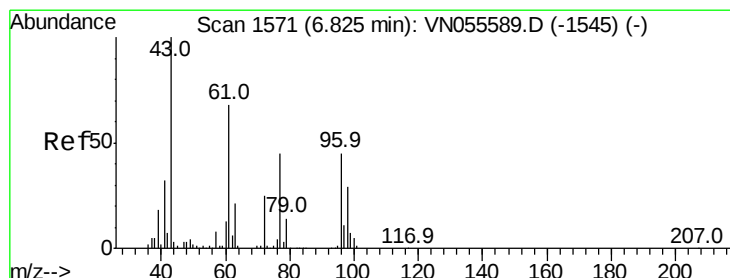
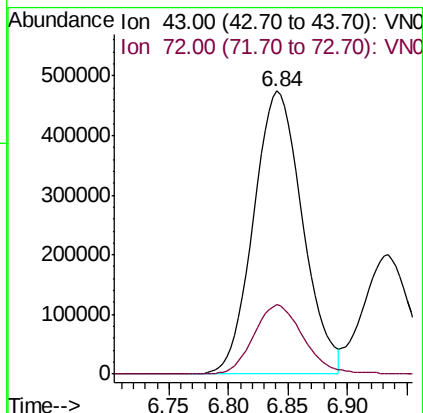
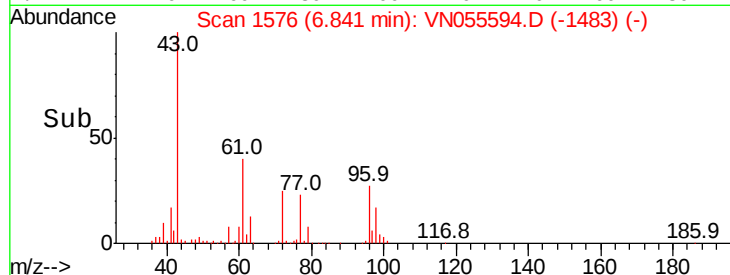
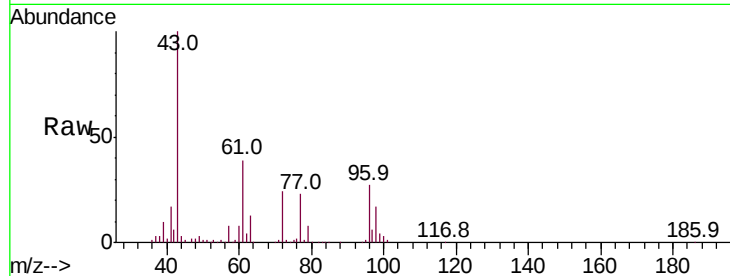
Ion Ratio Lower Upper

43 100

72 24.5 19.5 29.3

Manual Integrations
APPROVED

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5/16/2019 1:27:35 PM



#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

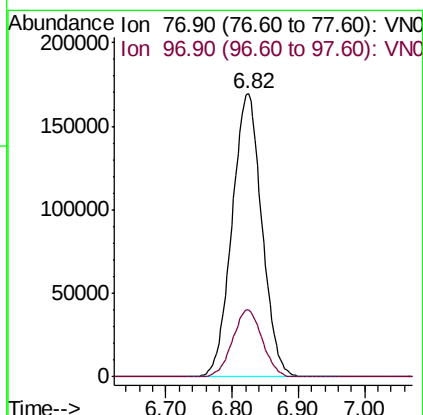
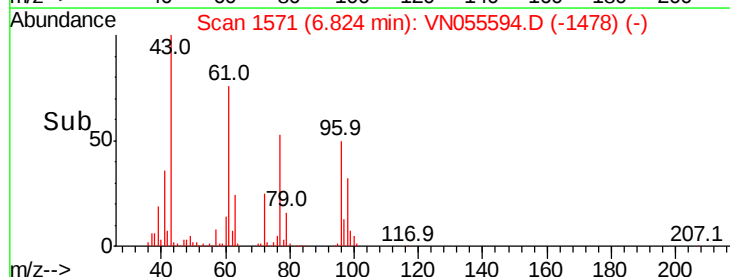
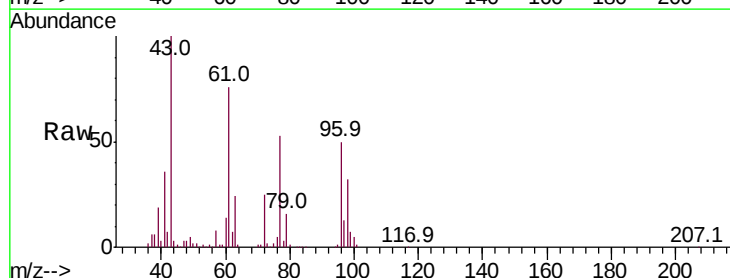
Acq: 14 May 2019 15:26

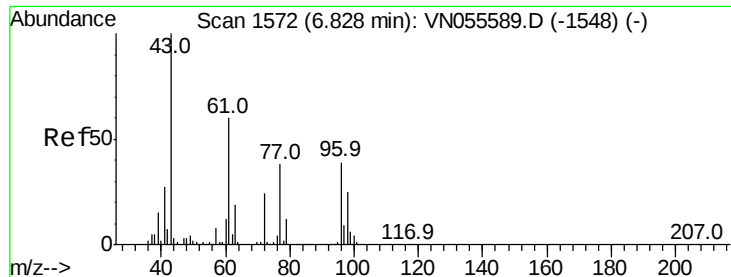
Tgt Ion: 77 Resp: 529345

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

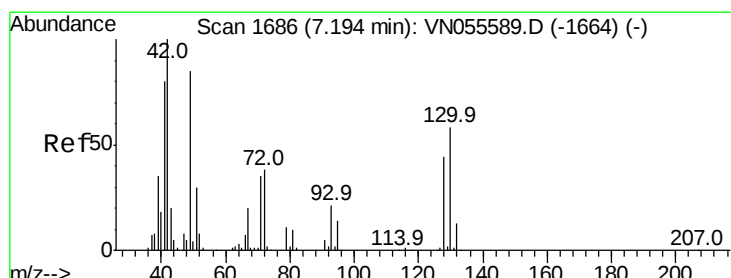
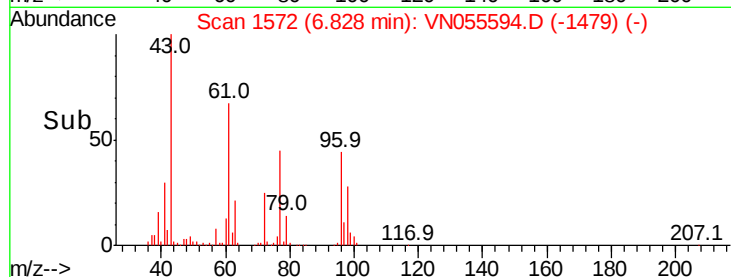
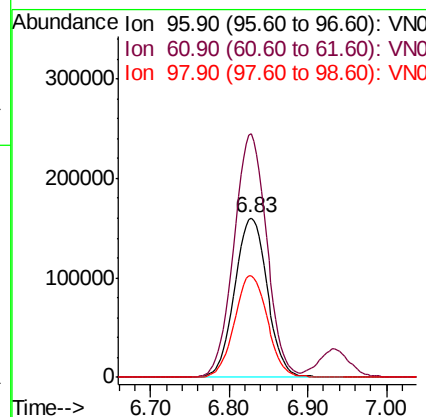
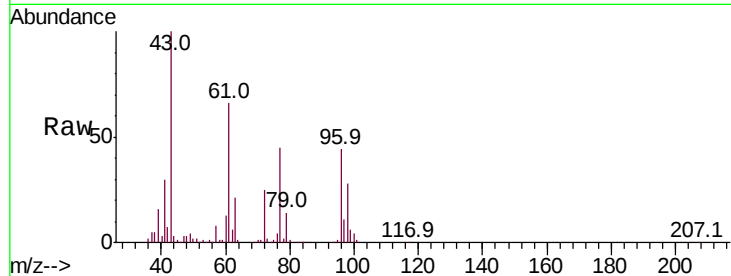
Acq: 14 May 2019 15:26

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

Tot Ion	Ratio	Resp	Lower	Upper
96	100	465530		
61	153.0	0.0	305.0	
98	64.5	0.0	128.2	

Manual Integrations
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#28

Bromochloromethane

Concen: 121.761 ug/l

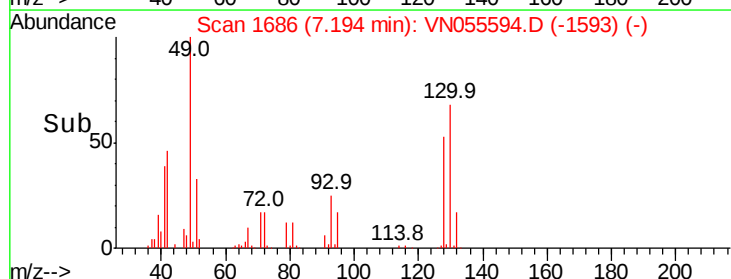
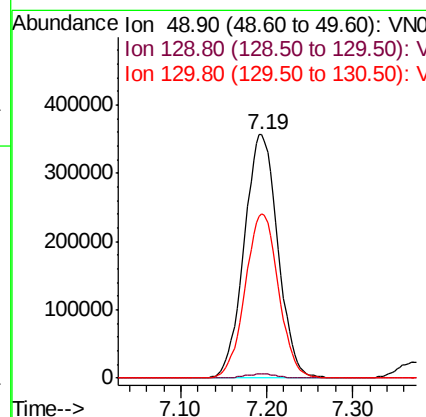
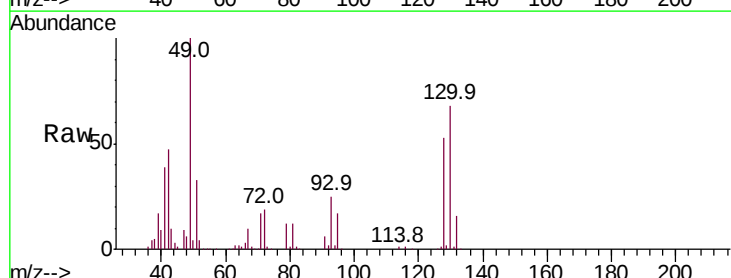
RT: 7.19 min Scan# 1686

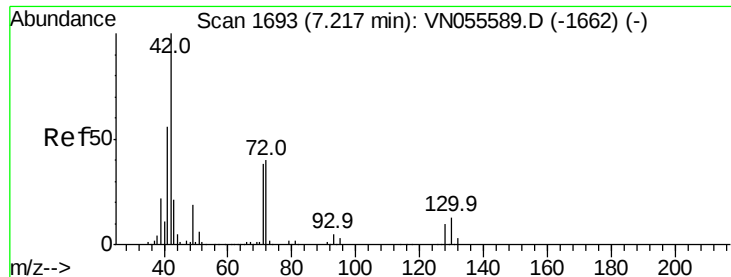
Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	969575		
129	1.6	0.0	3.6	
130	66.9	52.4	78.6	





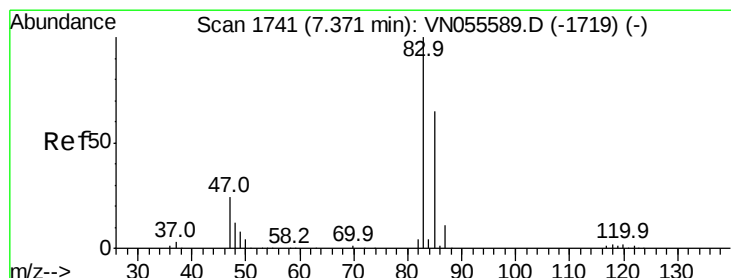
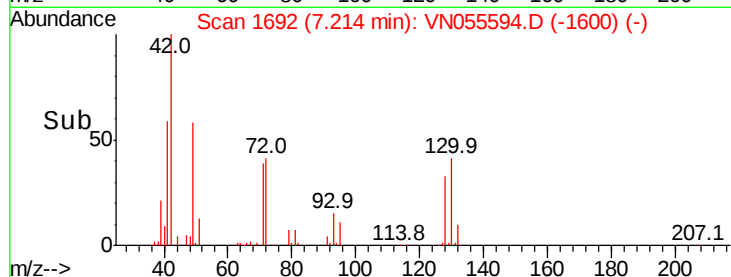
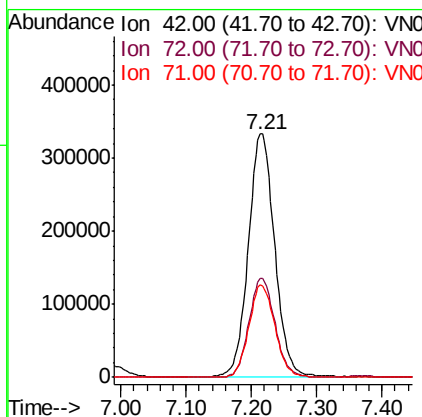
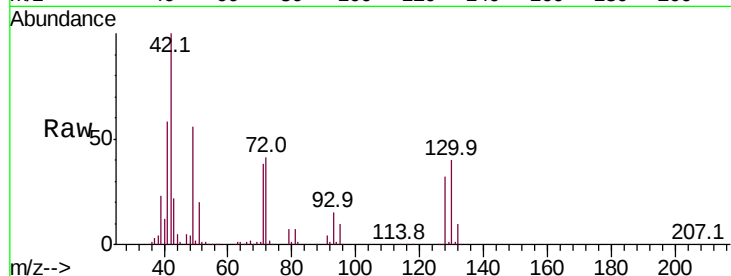
#29
Tetrahydrofuran
Concen: 244.998 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

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

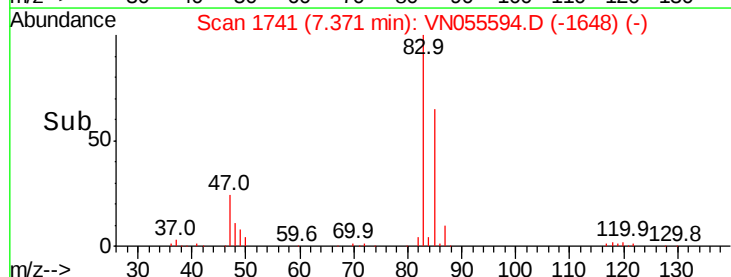
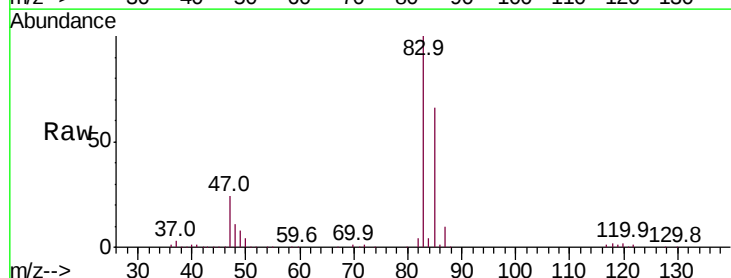
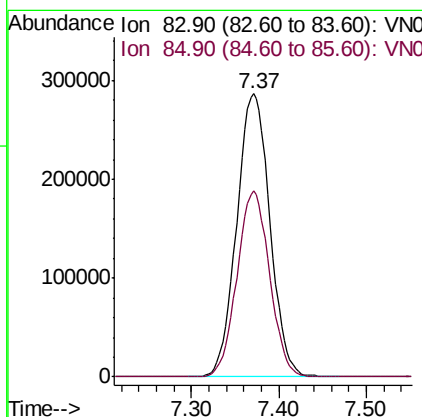
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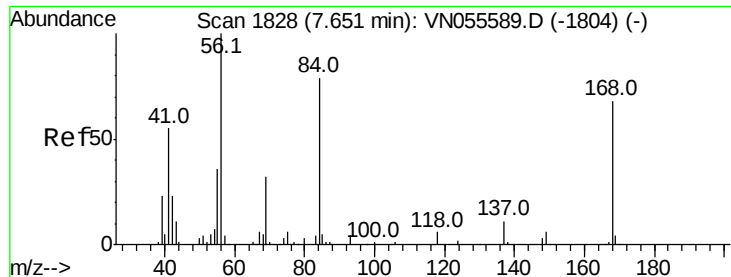
MMDadoda
5/16/2019 1:27:35 PM



#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	Ratio	Lower	Upper
83	100		
85	65.5	51.9	77.9





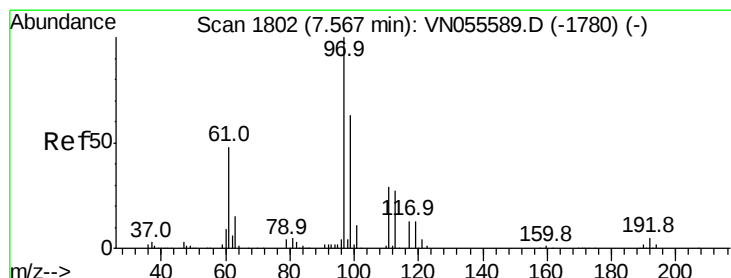
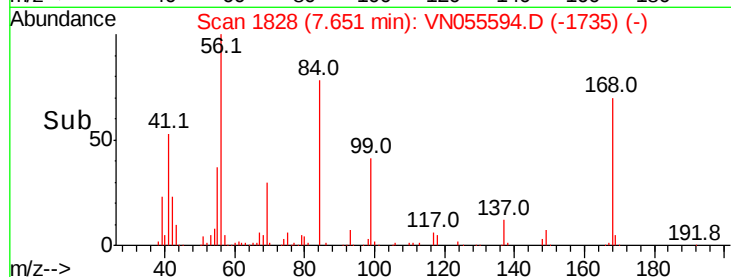
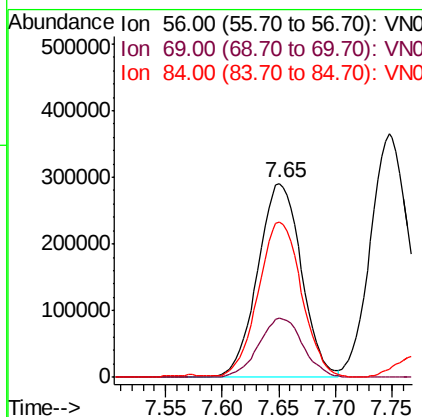
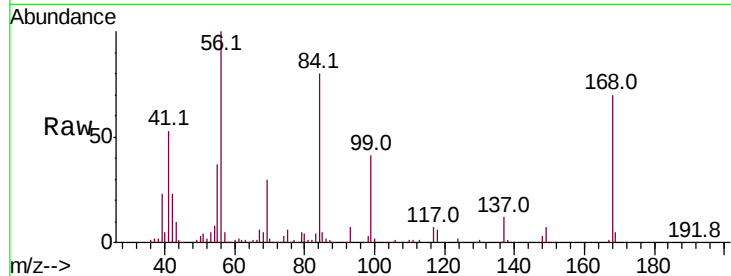
#31
Cyclohexane
Concen: 47.773 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

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

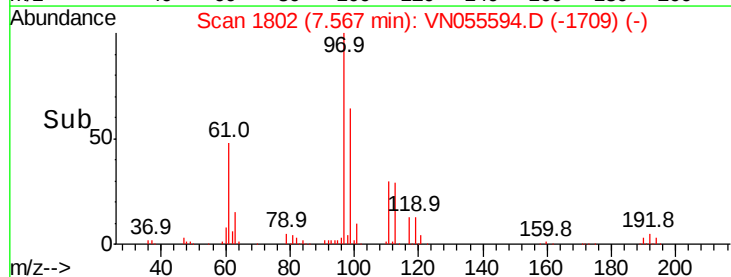
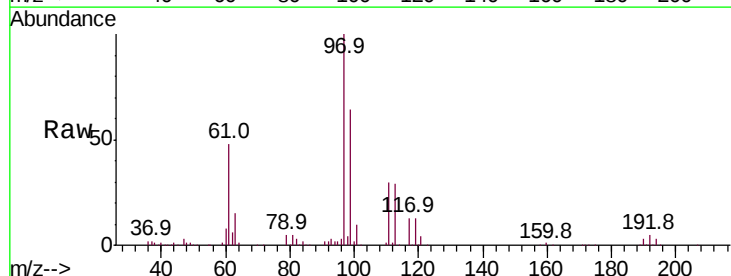
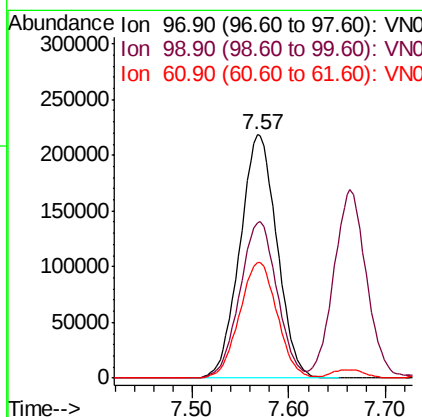
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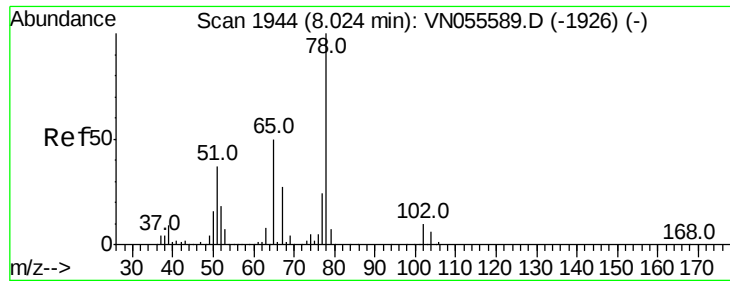
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.949 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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





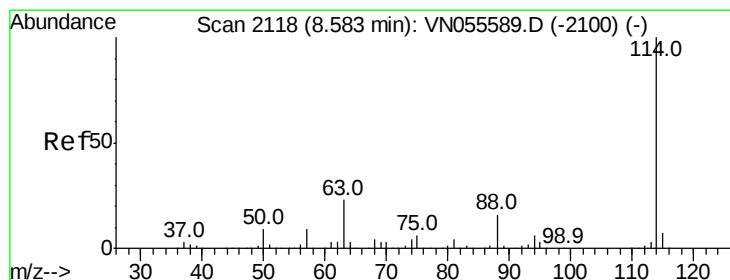
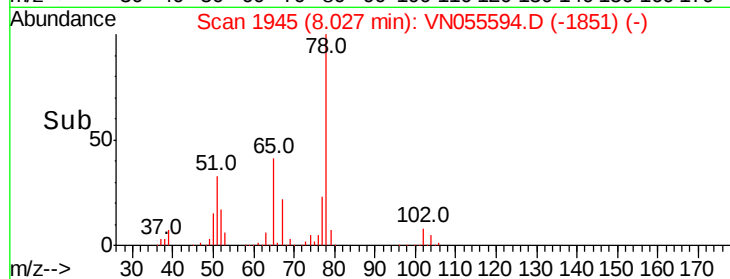
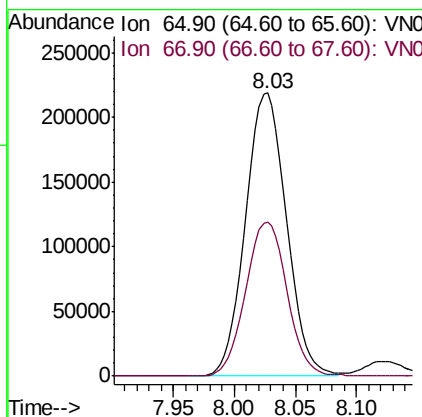
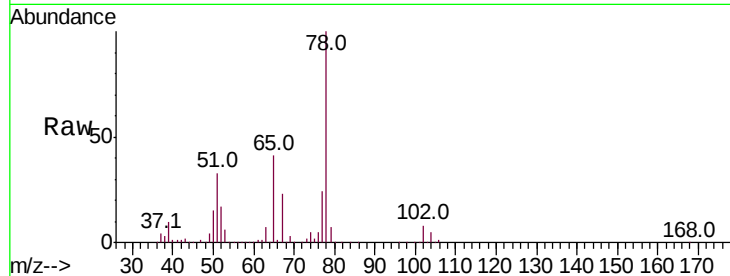
#33
 1,2-Dichloroethane-d4
 Concen: 51.611 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

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

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

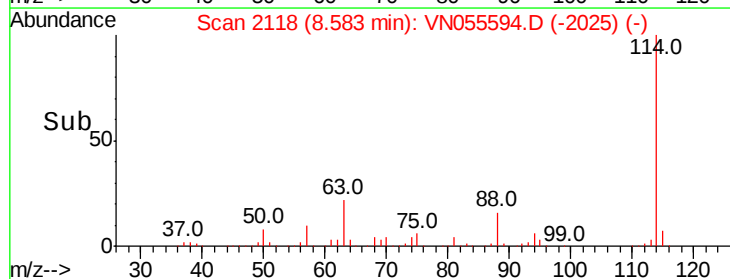
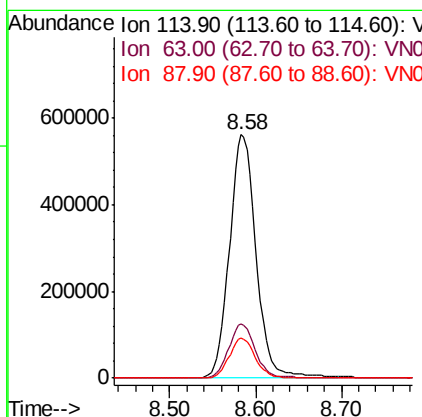
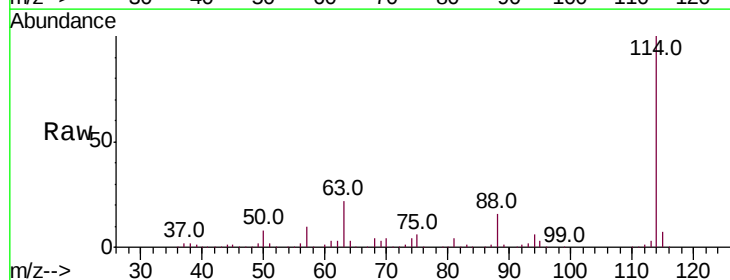
Manual Integrations
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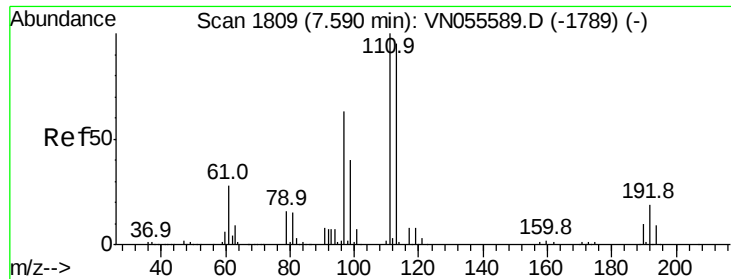
MMDadoda
 5/16/2019 1:27:35 PM



#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	Ratio	Resp	Lower	Upper
114	100			
63	22.4	0.0	45.8	
88	16.4	0.0	32.6	





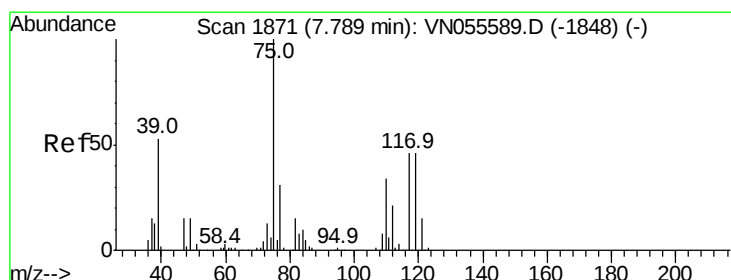
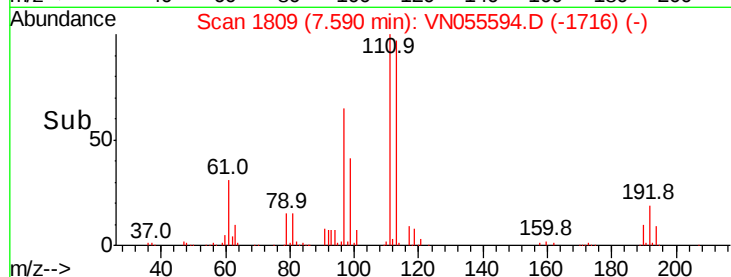
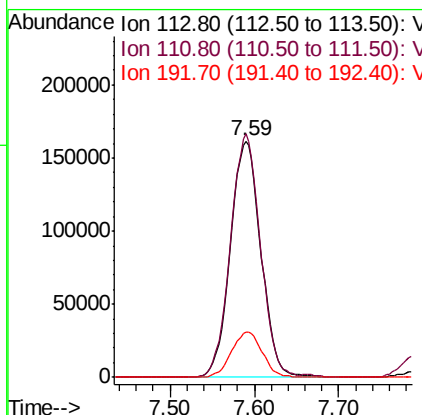
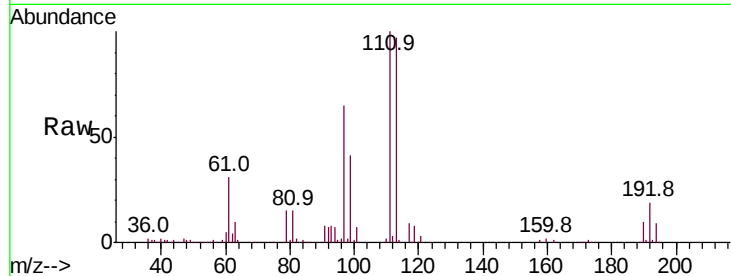
#35
Dibromofluoromethane
Concen: 51.671 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

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

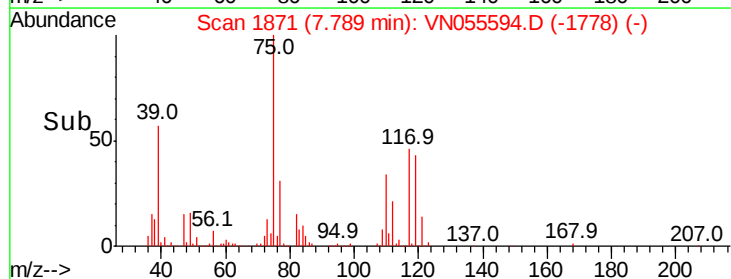
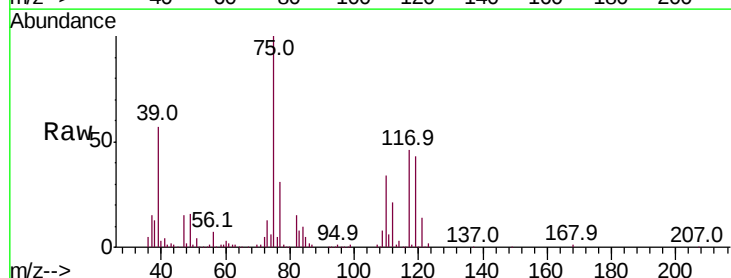
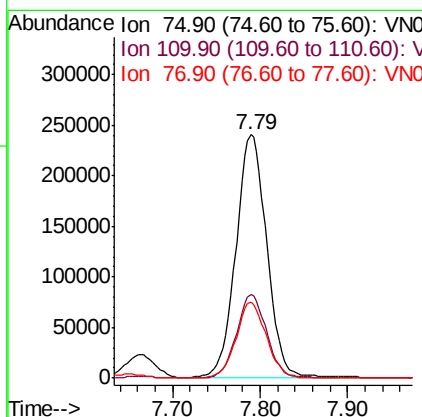
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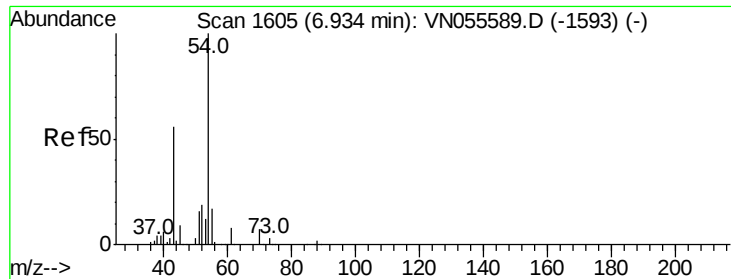
MMDadoda
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#36
1,1-Dichloropropene
Concen: 48.702 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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





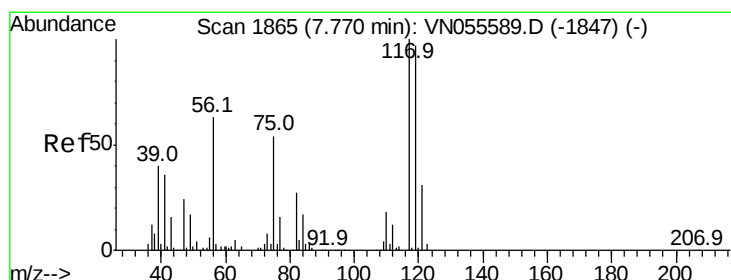
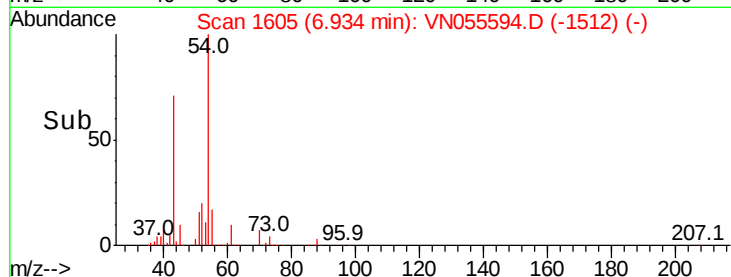
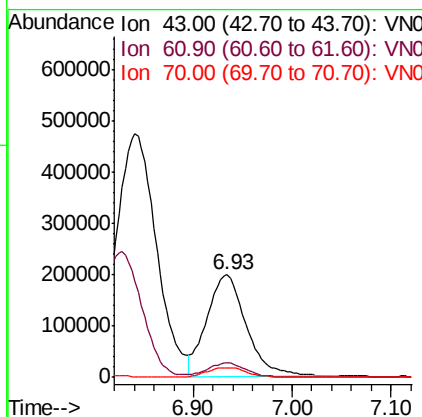
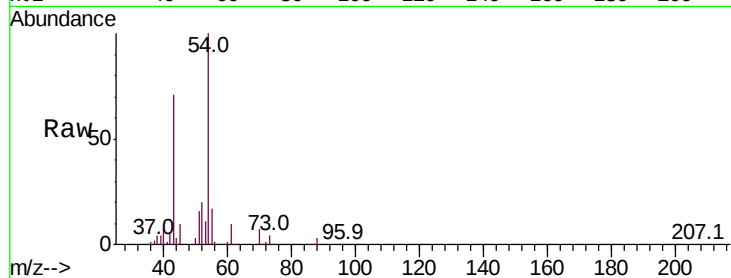
#37
Ethyl Acetate
Concen: 49.310 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

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

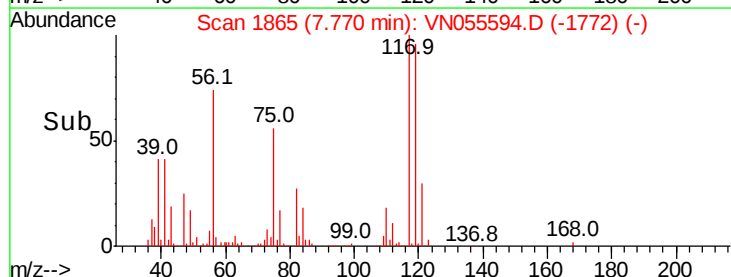
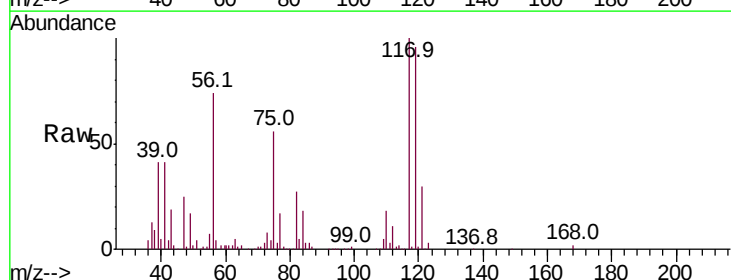
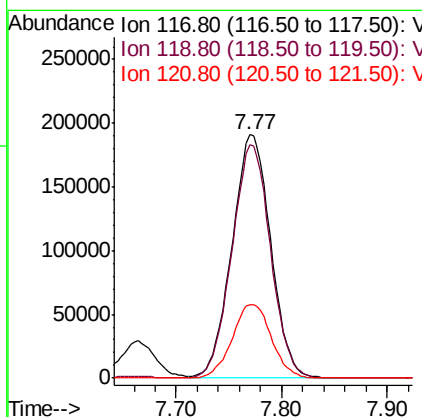
Manual Integrations
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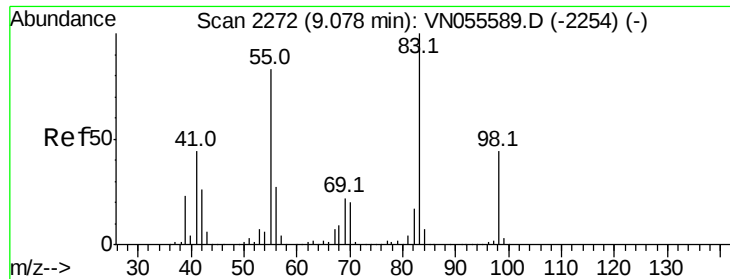
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#38
Carbon Tetrachloride
Concen: 48.847 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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





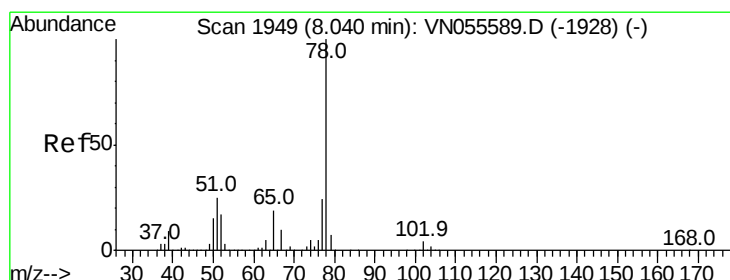
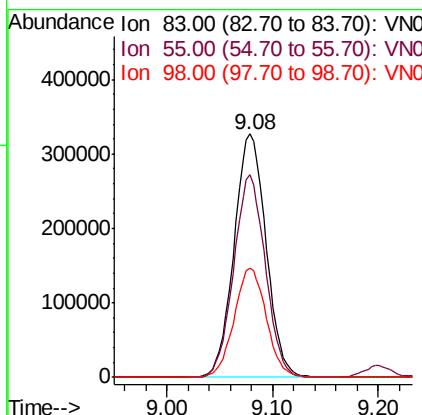
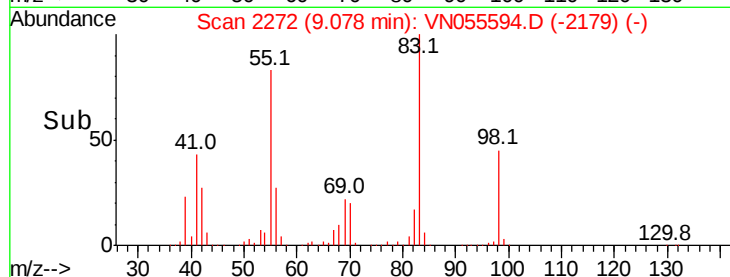
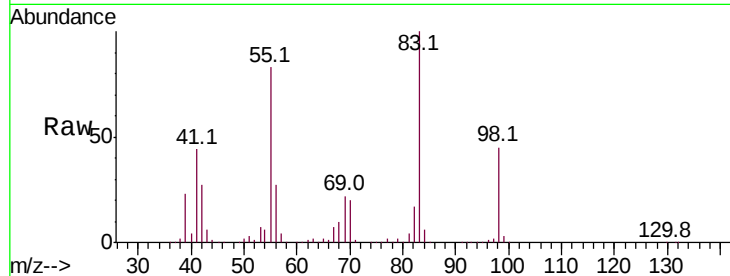
#39
Methvlcvclohexane
Concen: 48.623 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

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

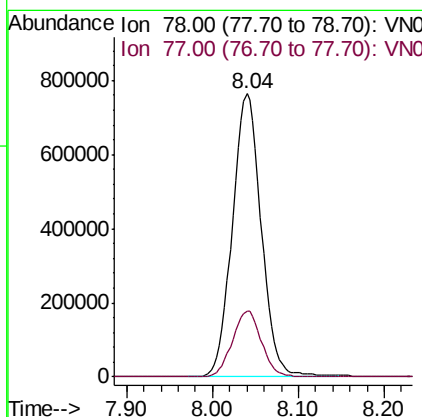
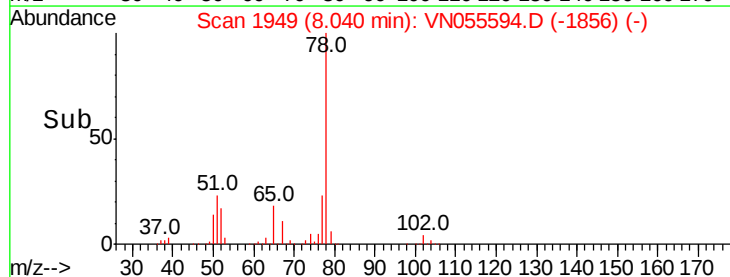
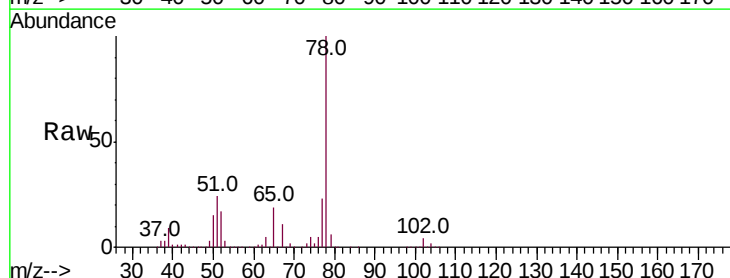
Manual Integrations
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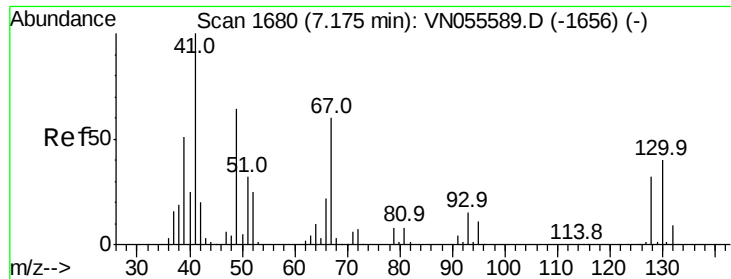
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#40
Benzene
Concen: 48.768 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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





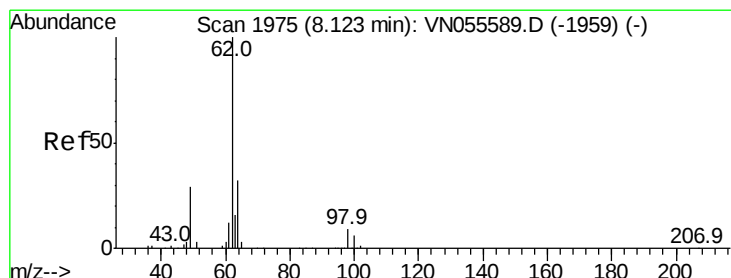
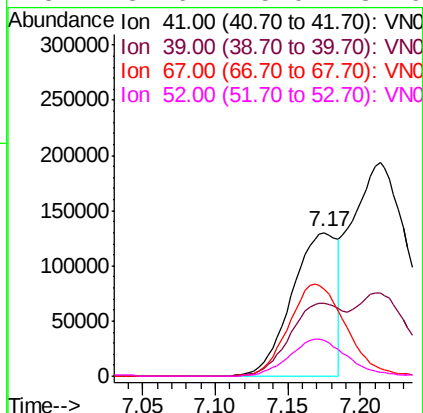
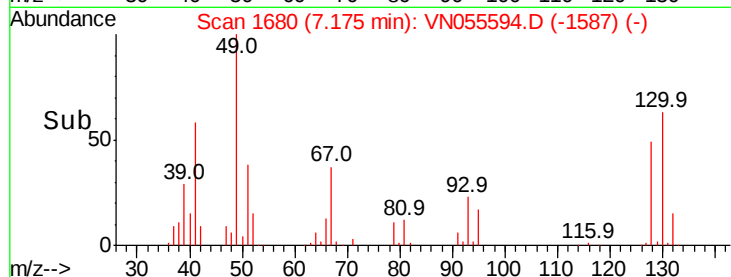
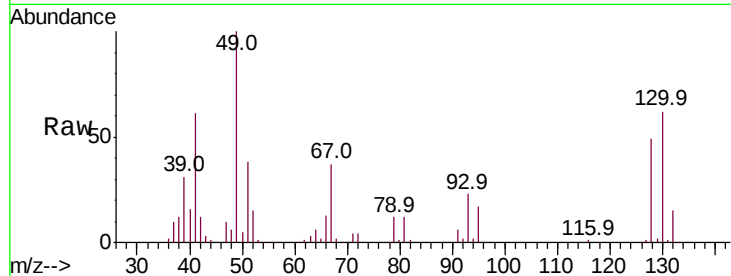
#41
Methacrylonitrile
Concen: 54.966 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

Tot Ion	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

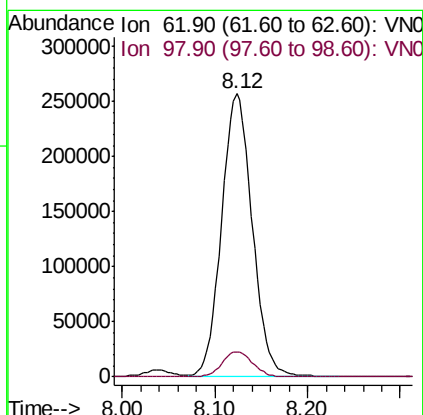
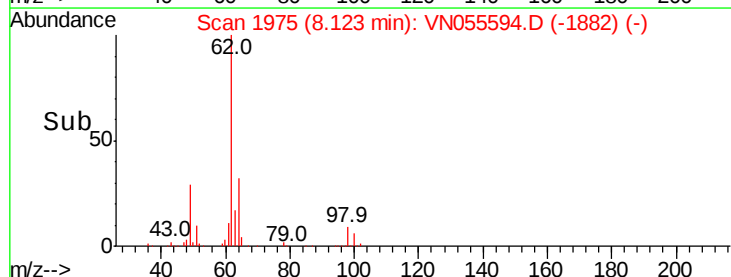
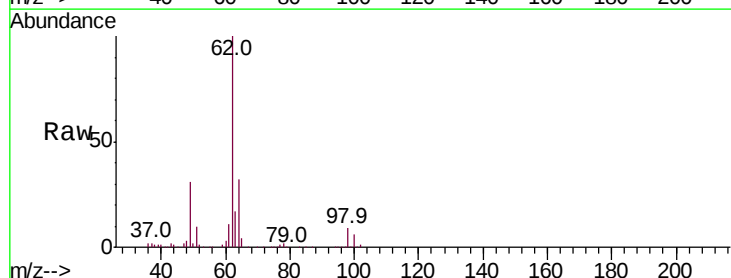
Manual Integrations
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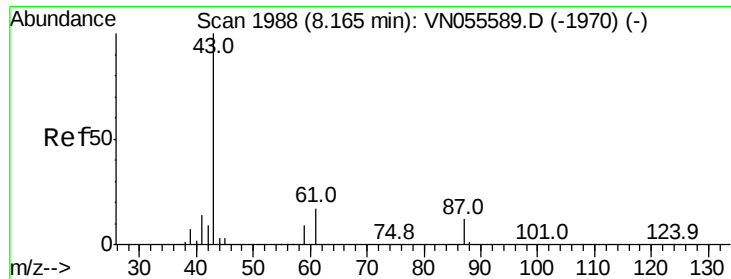
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.151 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0





#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

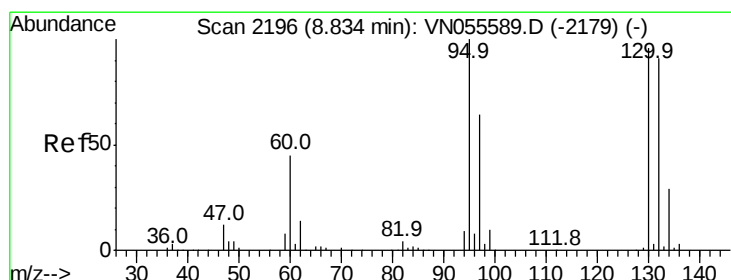
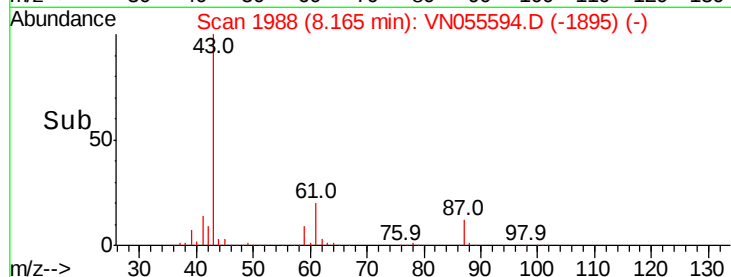
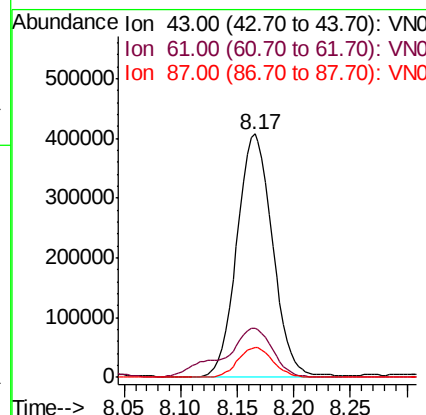
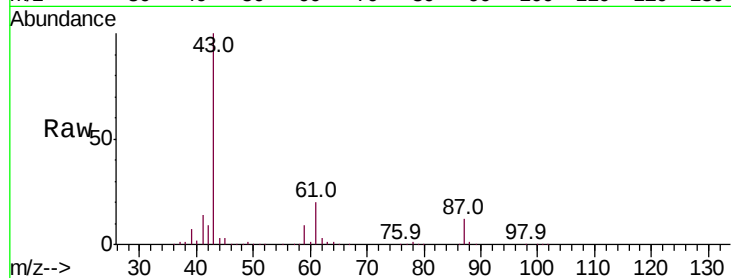
ClientSampleId :

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

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#44

Trichloroethene

Concen: 48.893 ug/l

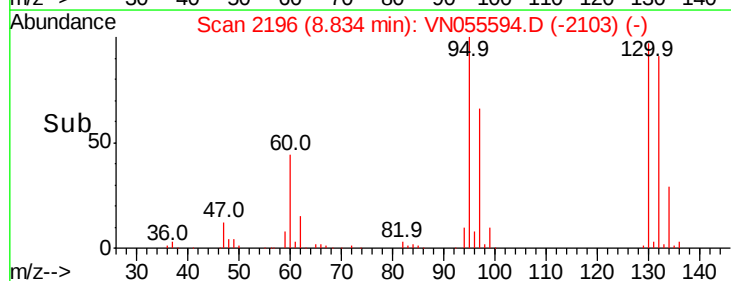
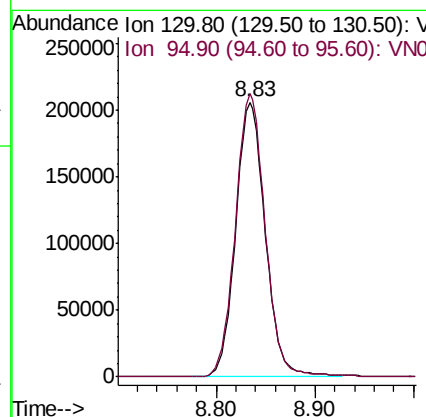
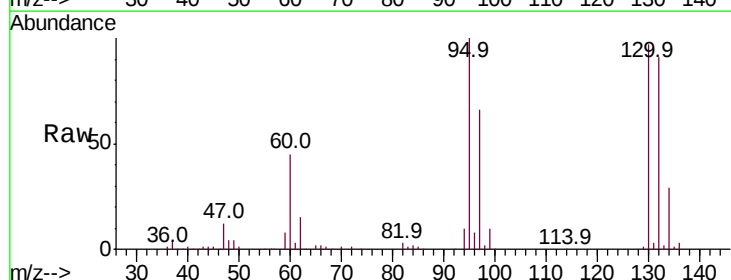
RT: 8.83 min Scan# 2196

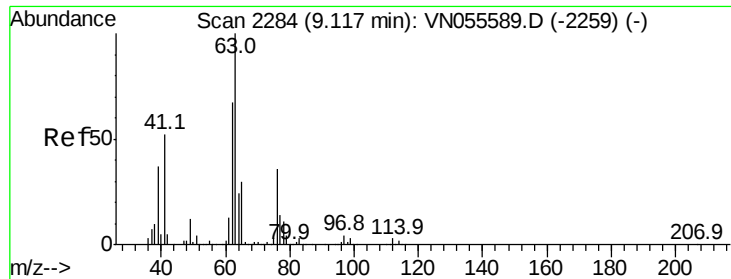
Delta R.T. -0.00 min

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





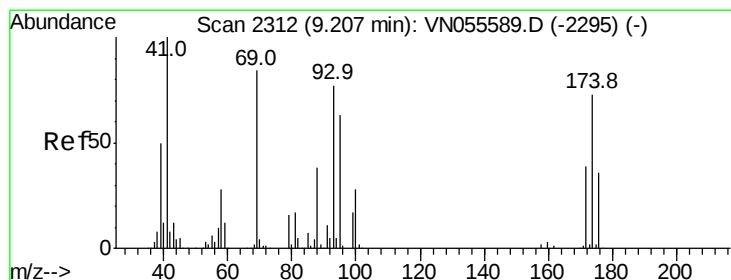
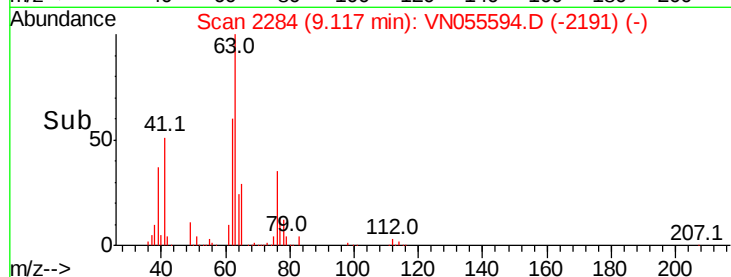
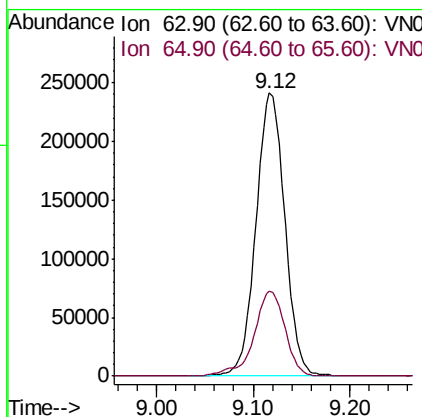
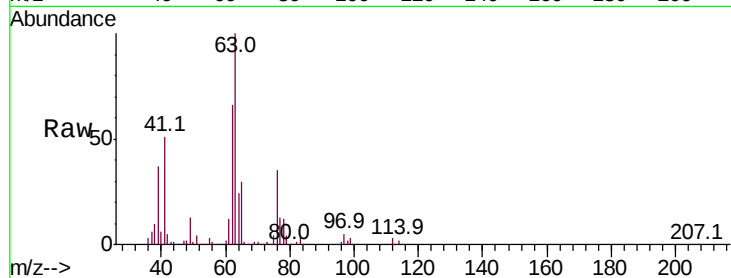
#45
 1,2-Dichloropropane
 Concen: 49.568 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

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

Tot Ion	Ratio	Resp	Lower	Upper
63	100	500101		
65	30.2		24.1	36.1

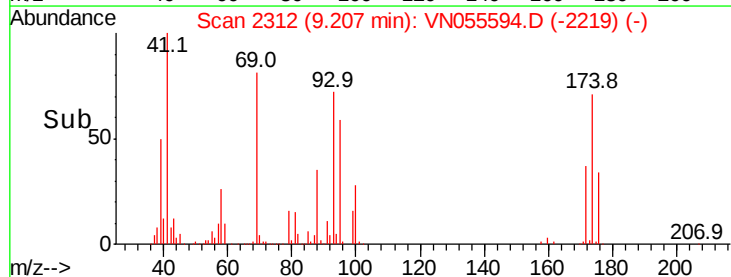
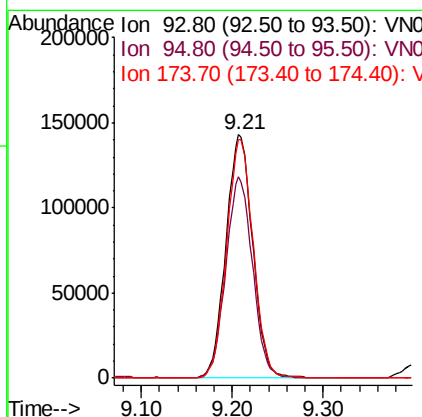
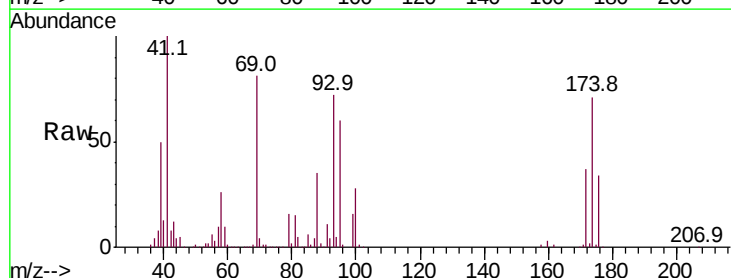
Manual Integrations
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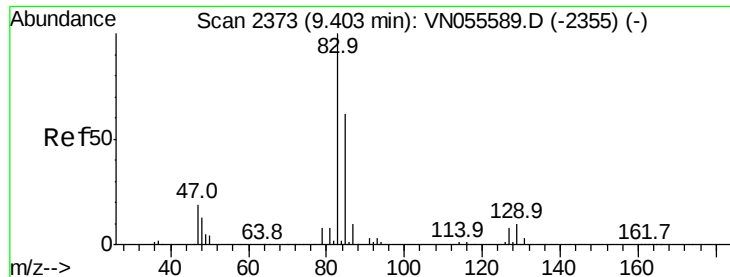
MMDadoda
 5/16/2019 1:27:35 PM



#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	Ratio	Resp	Lower	Upper
93	100	292590		
95	81.9		66.6	100.0
174	97.6		78.4	117.6





#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

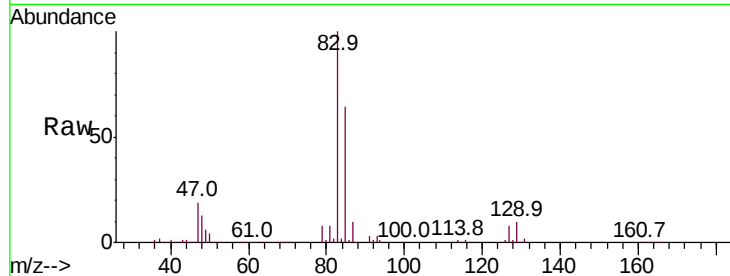
ClientSampleId :

KR-02_4-14MSD

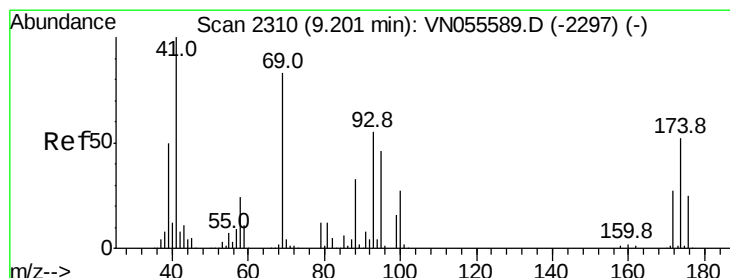
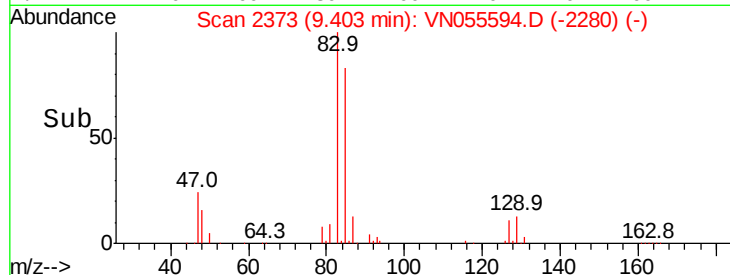
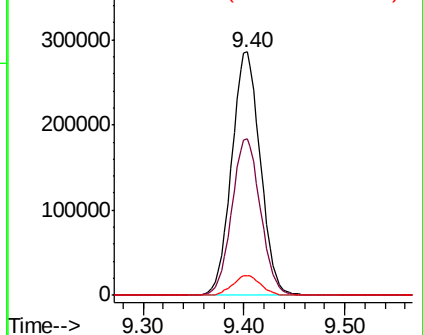
Tot Ion:	83	Resp:	564005
Ion Ratio	Lower	Upper	
83	100		
85	64.2	49.6	74.4
127	8.2	6.6	9.8

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



#48

Methyl methacrylate

Concen: 50.222 ug/l

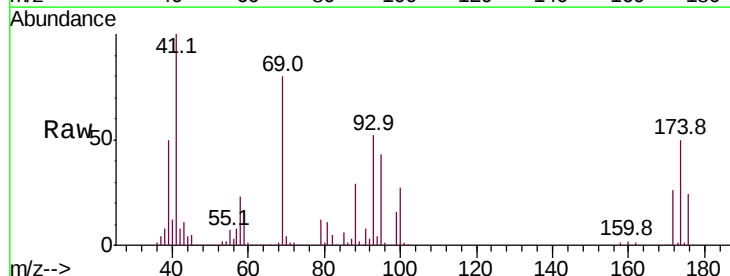
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

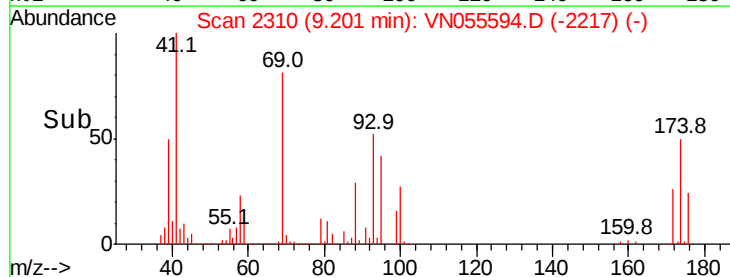
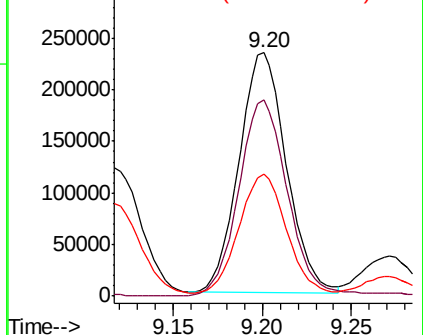
Lab File: VN055594.D

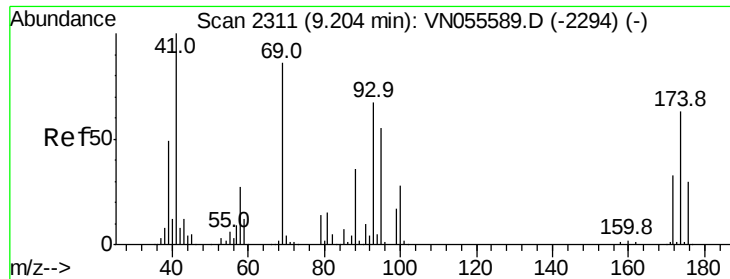
Acq: 14 May 2019 15:26

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): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





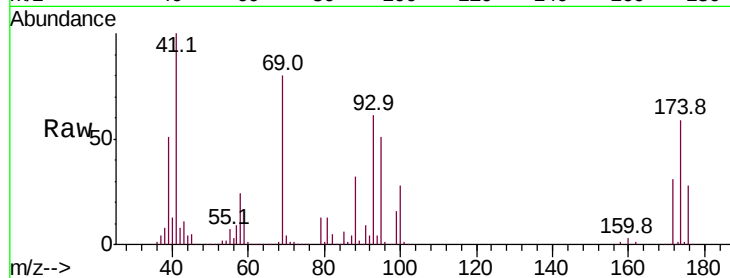
#49
 1,4-Dioxane
 Concen: 962.043 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

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

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

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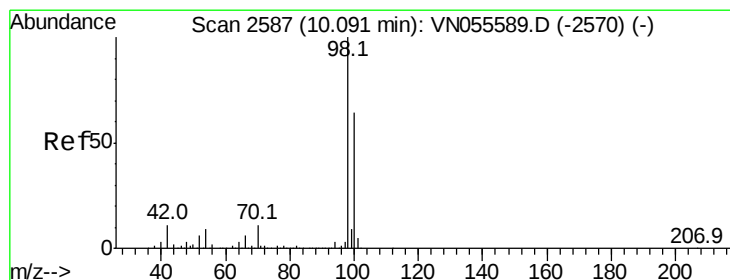
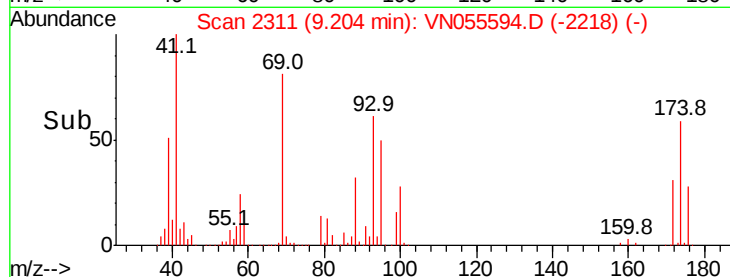
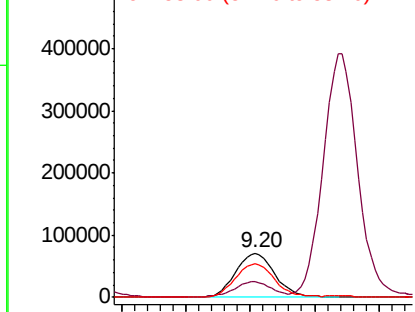


Abundance

Ion 88.00 (87.70 to 88.70): VN0

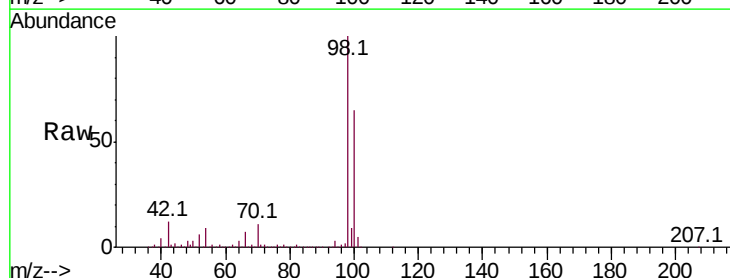
Ion 43.00 (42.70 to 43.70): VN0

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

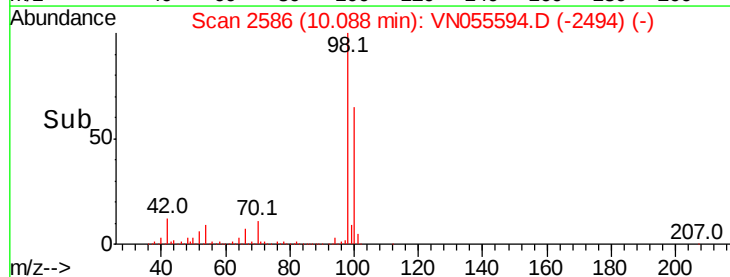
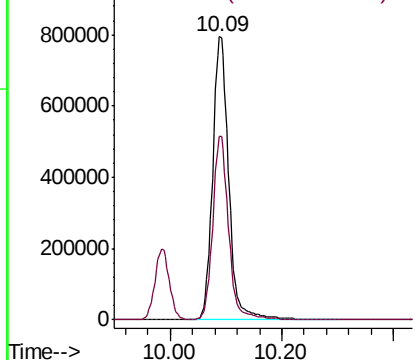
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.7	76.1

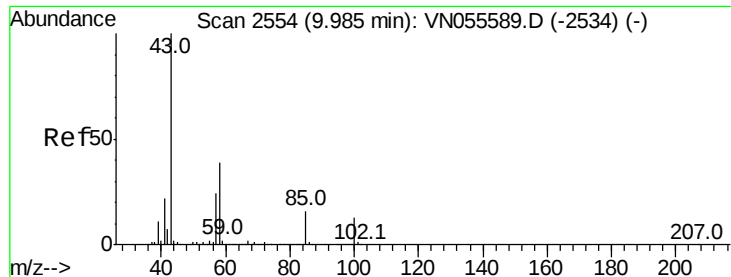


Abundance

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

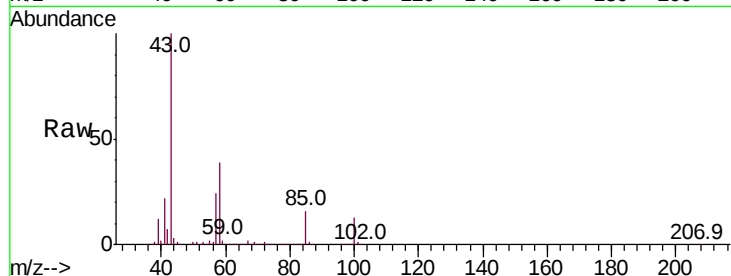
58 38.5 30.6 46.0

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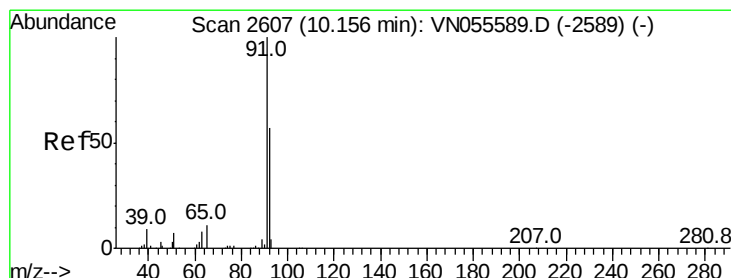
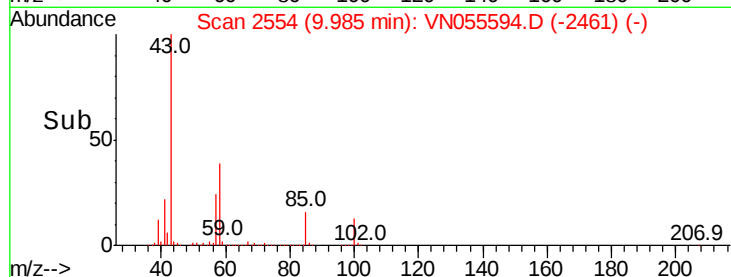
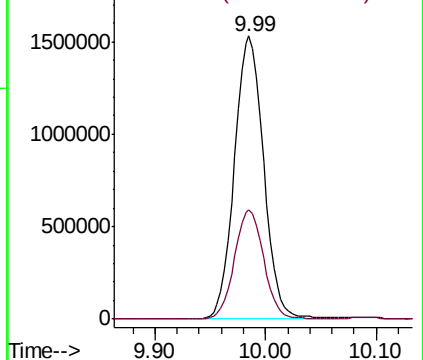
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Abundance Ion 43.00 (42.70 to 43.70): VN0

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

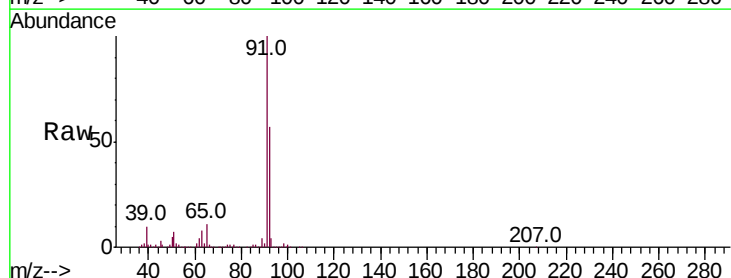
Acq: 14 May 2019 15:26

Tgt Ion: 92 Resp: 1053355

Ion Ratio Lower Upper

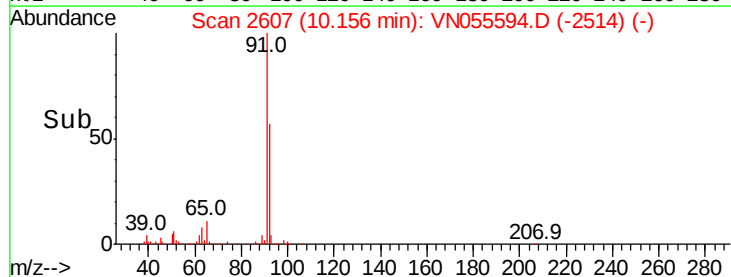
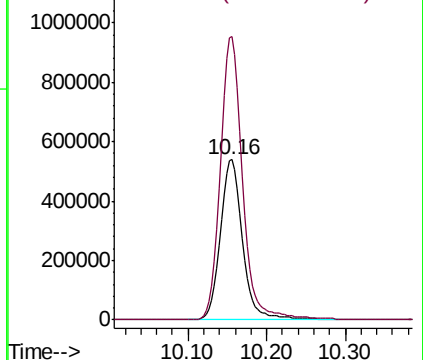
92 100

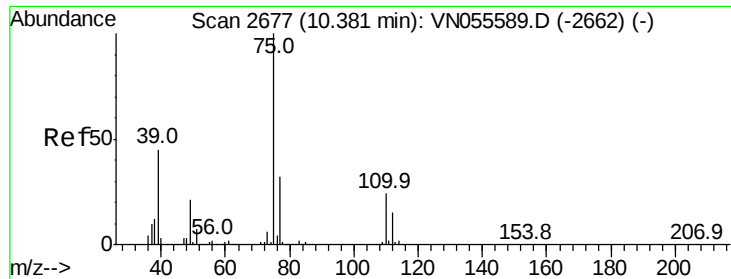
91 176.7 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





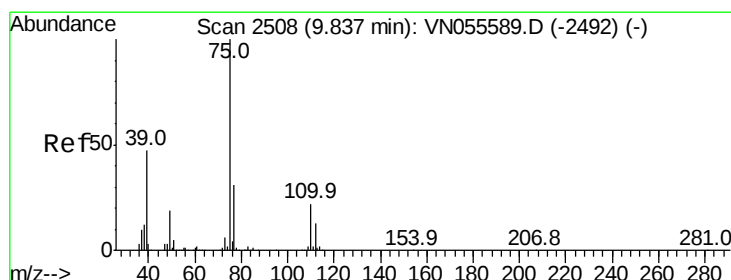
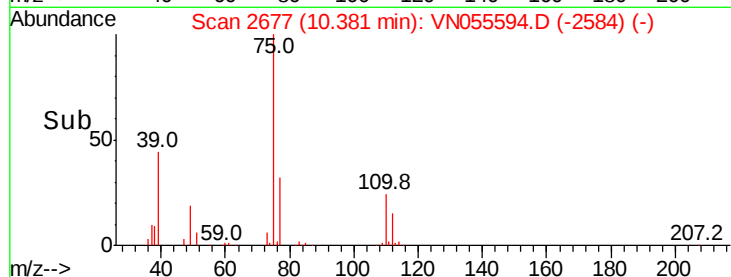
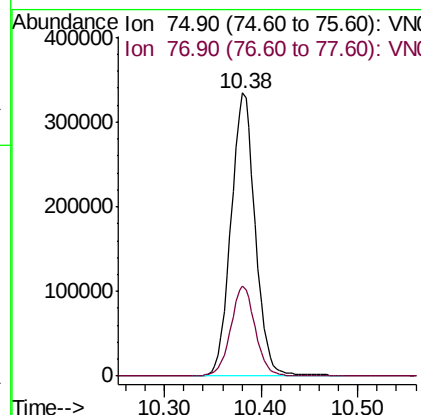
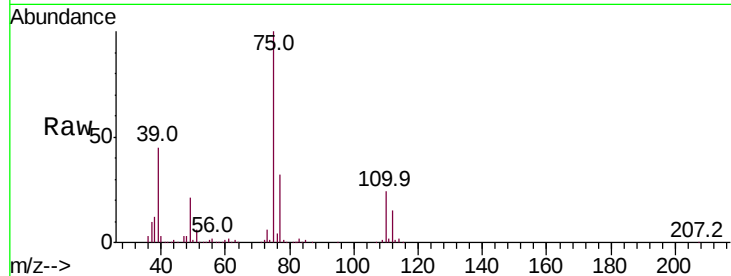
#53
 t-1,3-Dichloropropene
 Concen: 53.540 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3

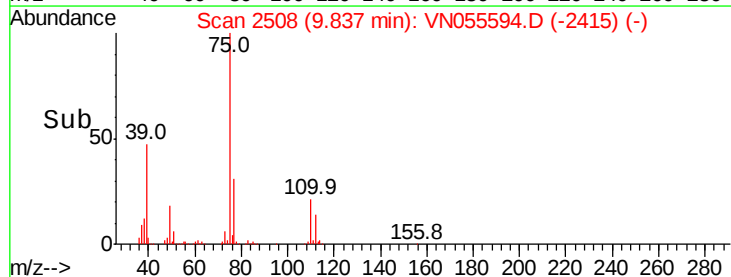
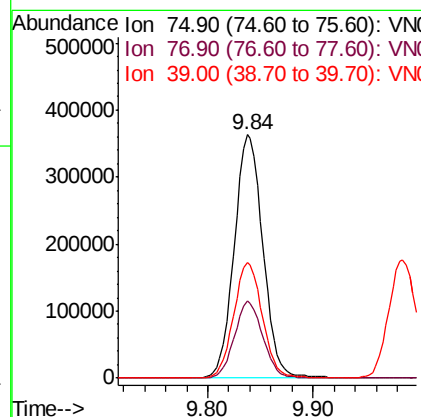
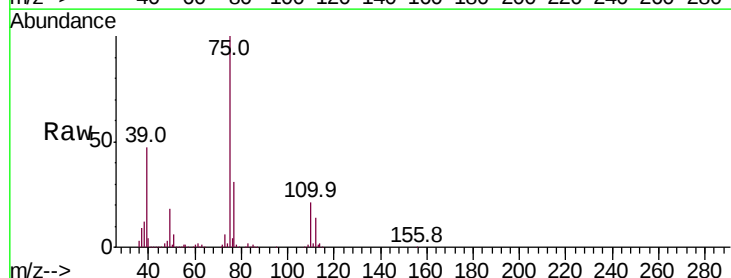
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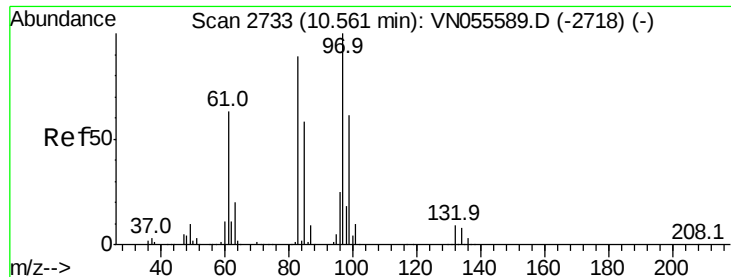
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#54
 cis-1,3-Dichloropropene
 Concen: 52.235 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.5	36.7
39	47.2	37.7	56.5





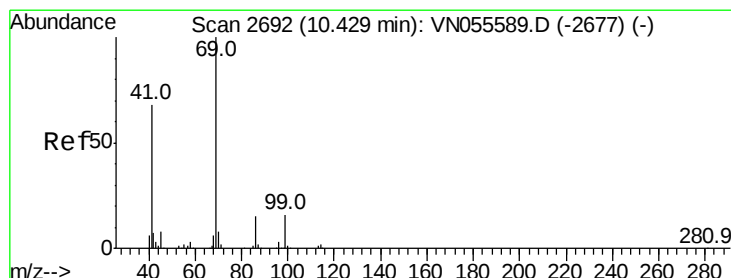
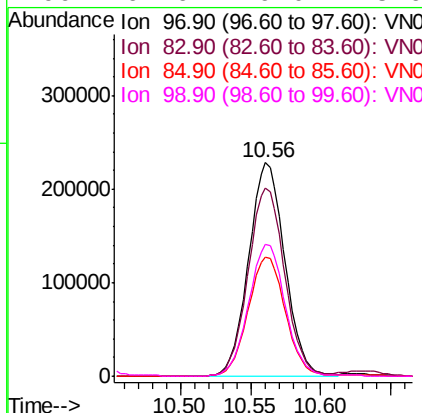
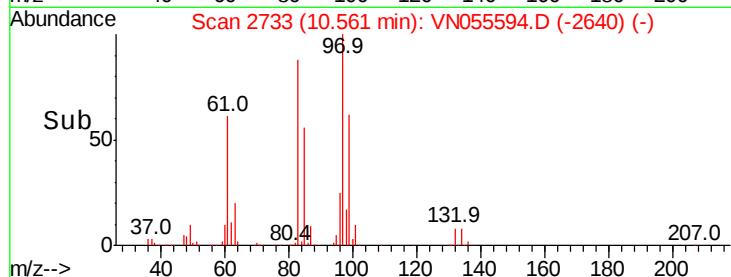
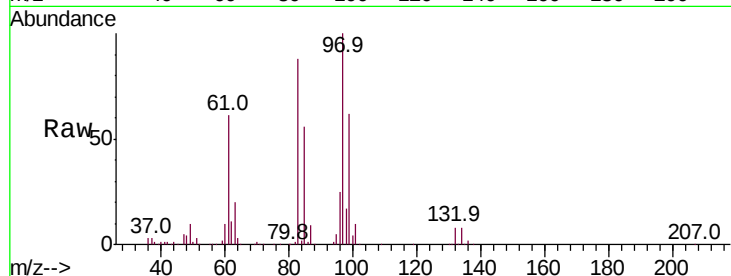
#55
1,1,2-Trichloroethane
Concen: 49.021 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

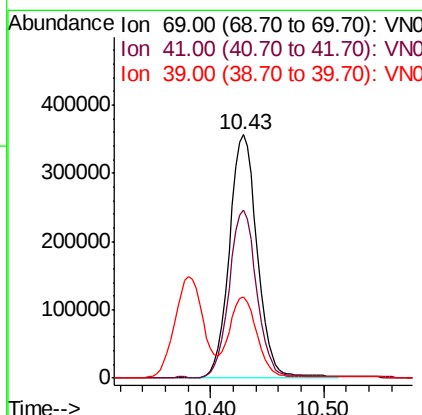
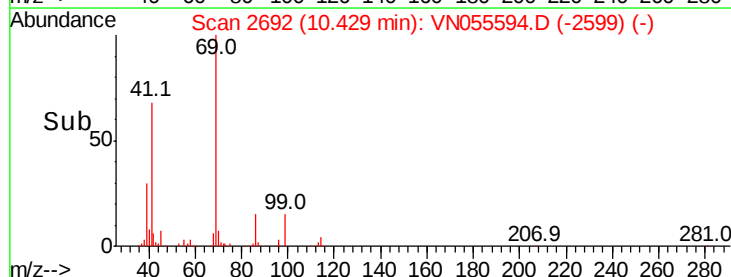
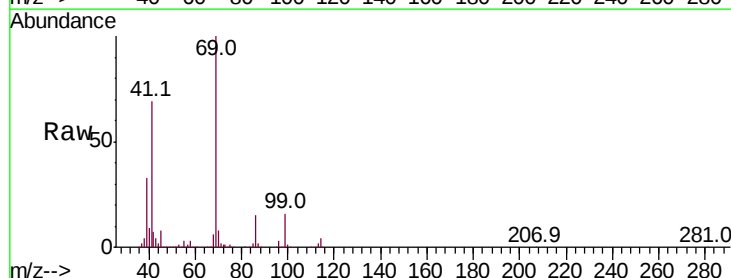
Manual Integrations
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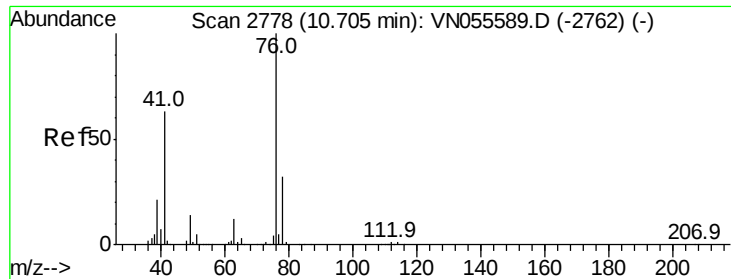
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#56
Ethyl methacrylate
Concen: 52.567 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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





#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

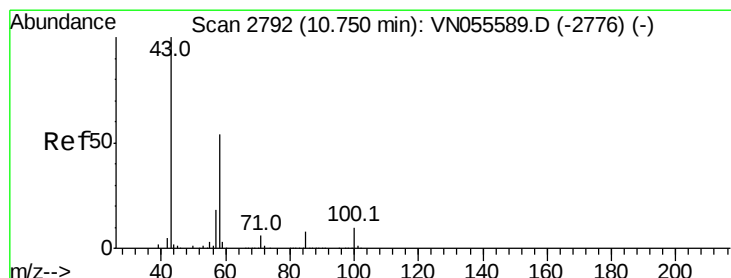
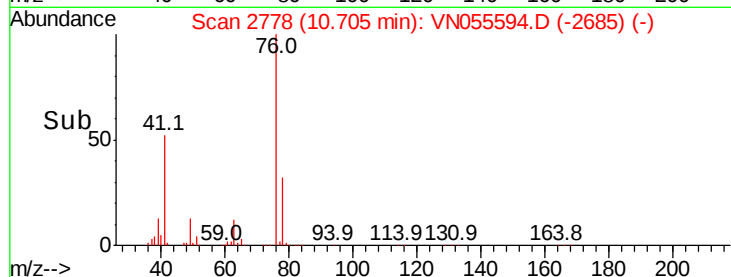
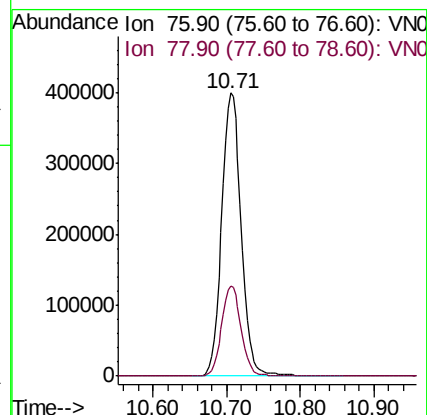
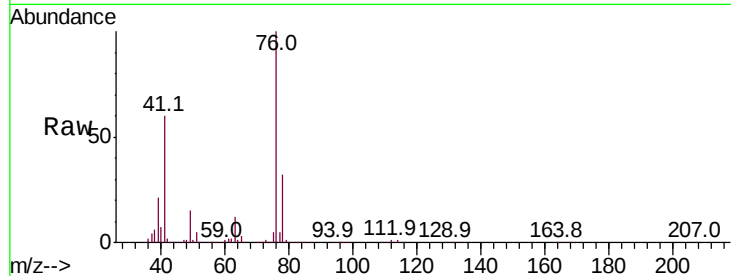
78 31.9 25.6 38.4

Manual Integrations

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MMDadoda

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#59

2-Hexanone

Concen: 251.797 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055594.D

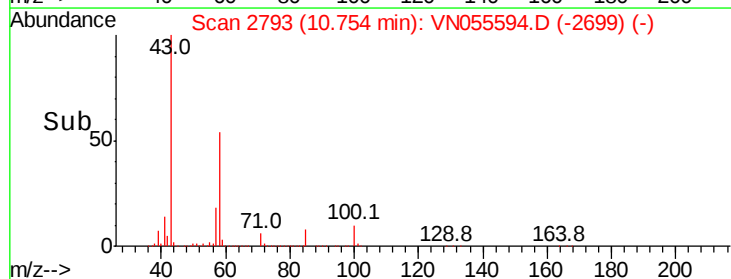
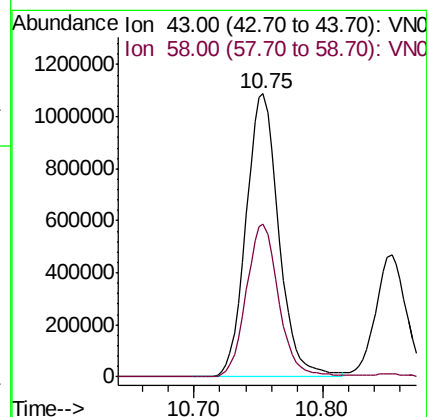
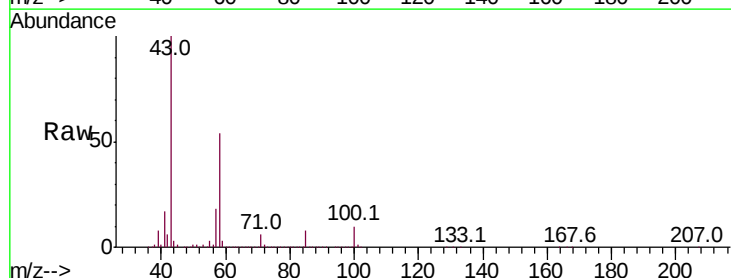
Acq: 14 May 2019 15:26

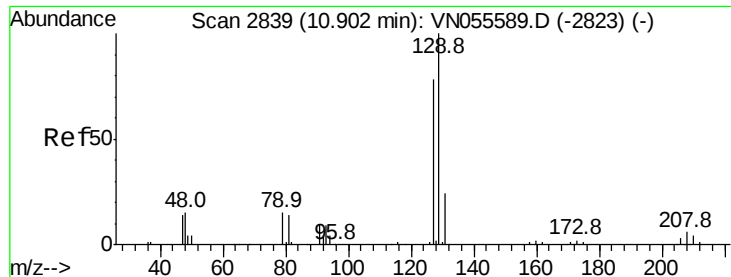
Tgt Ion: 43 Resp: 1922388

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

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14MSD

Tot Ion:129 Resp: 398266

Ion Ratio Lower Upper

129 100

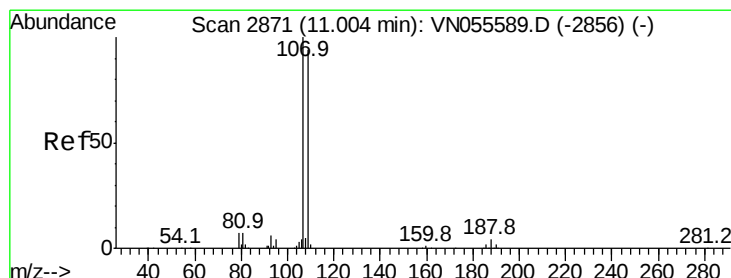
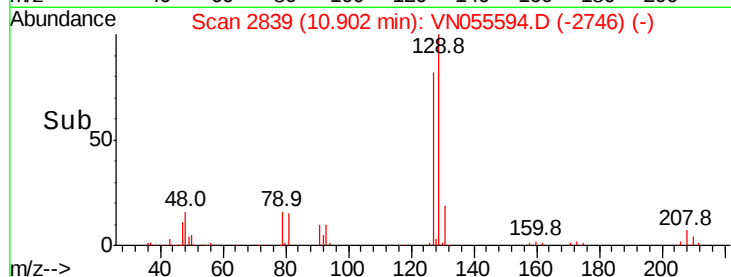
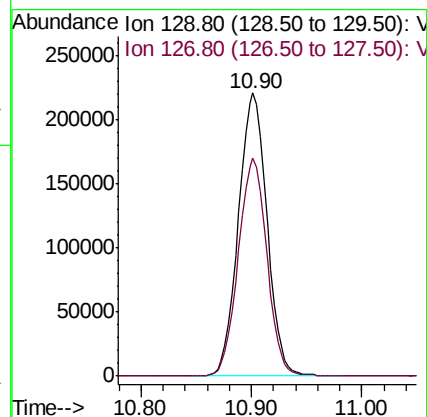
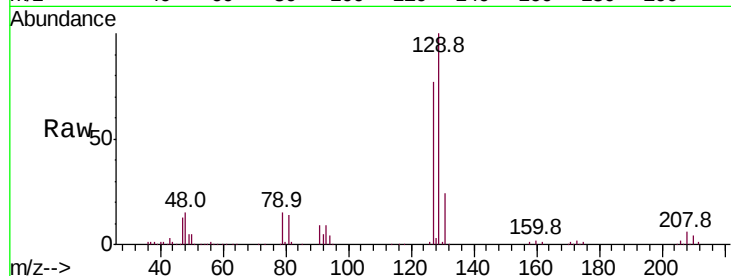
127 77.0 39.1 117.2

Manual Integrations

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#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

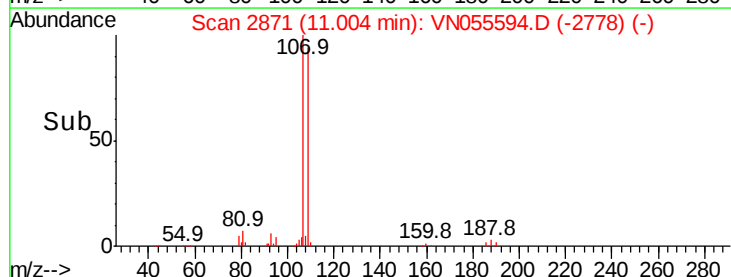
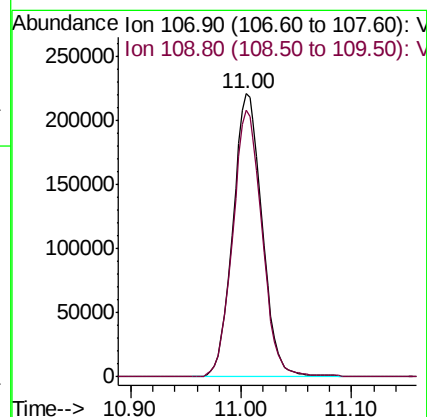
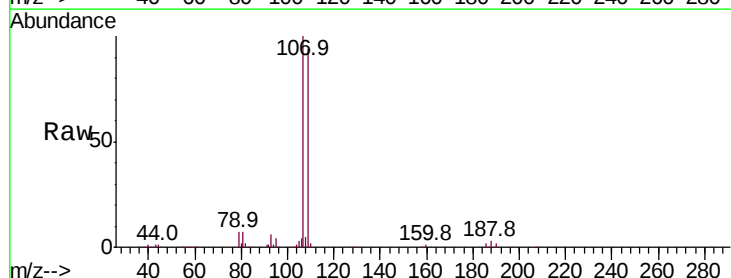
Acq: 14 May 2019 15:26

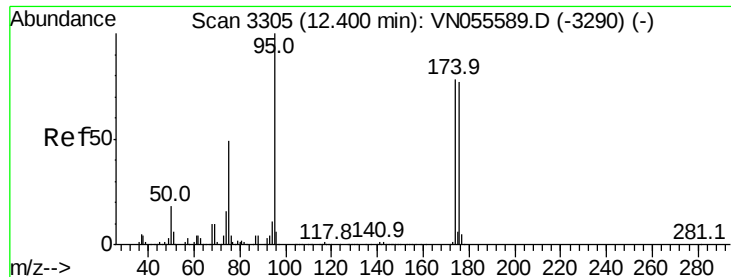
Tgt Ion:107 Resp: 405380

Ion Ratio Lower Upper

107 100

109 95.1 75.8 113.8





#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

Instrument :

MSVOA_N

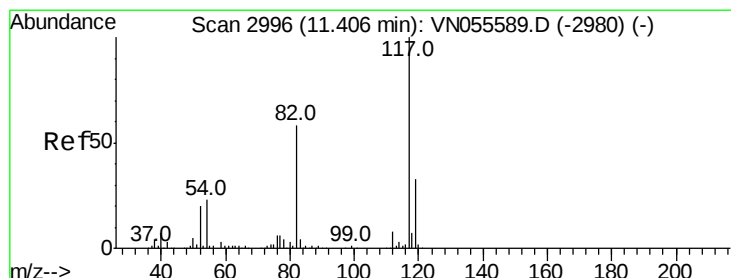
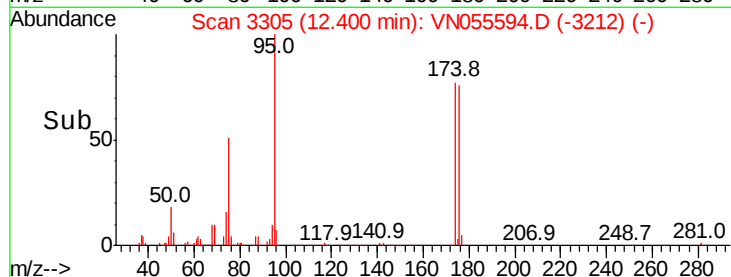
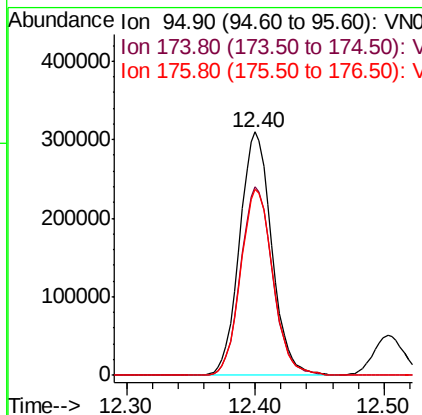
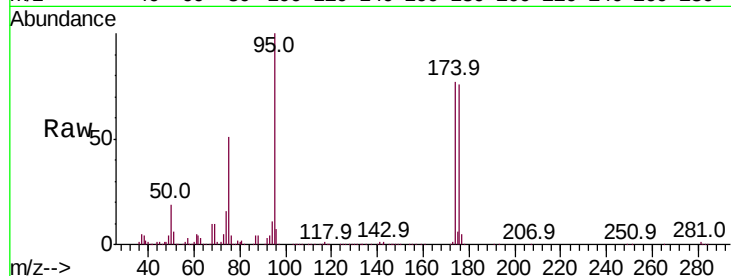
ClientSampleId :

KR-02_4-14MSD

Tot Ion:	95	Resp:	536550
Ion Ratio	Lower	Upper	
95	100		
174	77.4	0.0	158.4
176	76.8	0.0	153.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

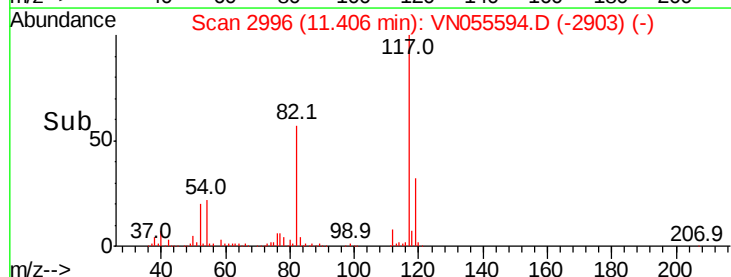
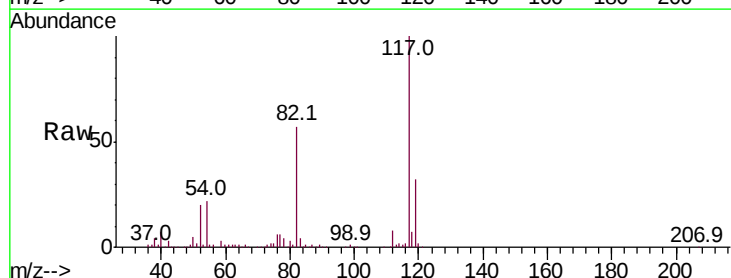
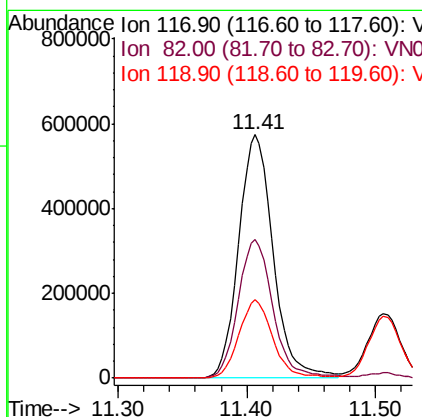
RT: 11.41 min Scan# 2996

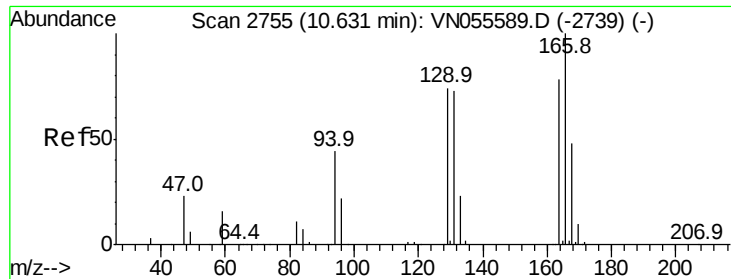
Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

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





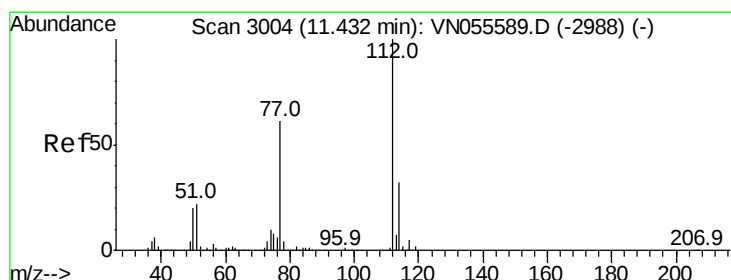
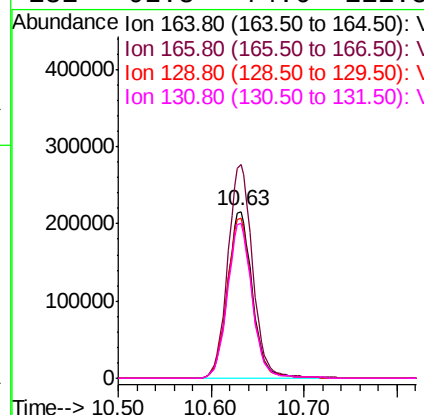
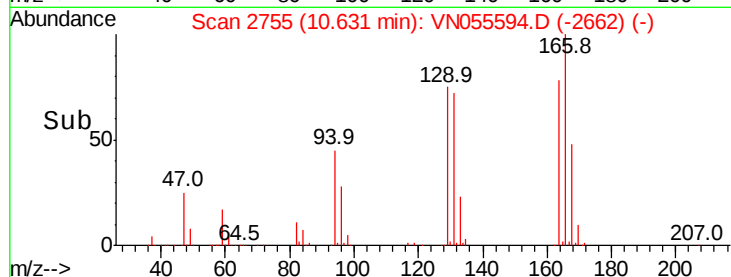
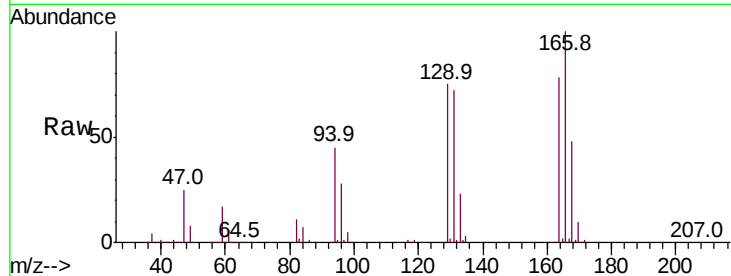
#64
Tetrachloroethene
Concen: 46.855 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

Tot 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

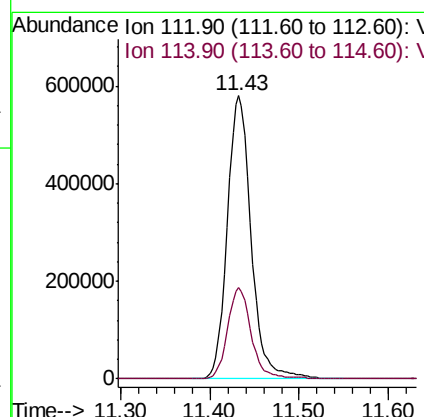
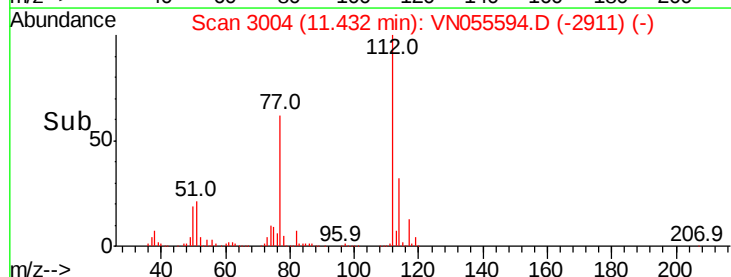
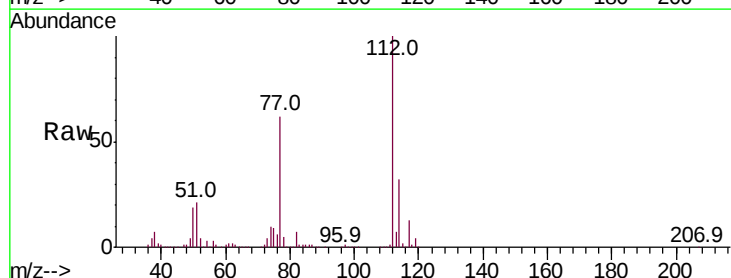
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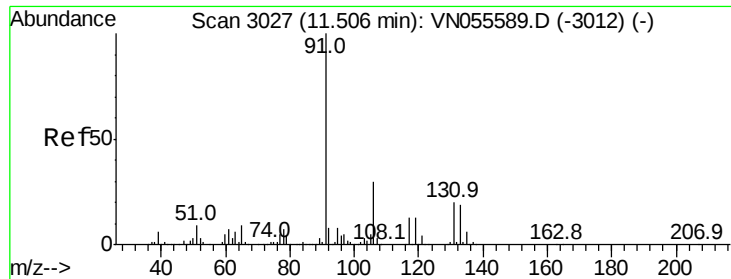
MMDadoda
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#65
Chlorobenzene
Concen: 48.360 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

Tgt 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

Instrument :

MSVOA_N

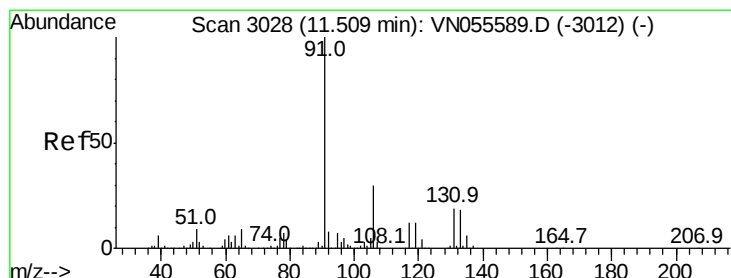
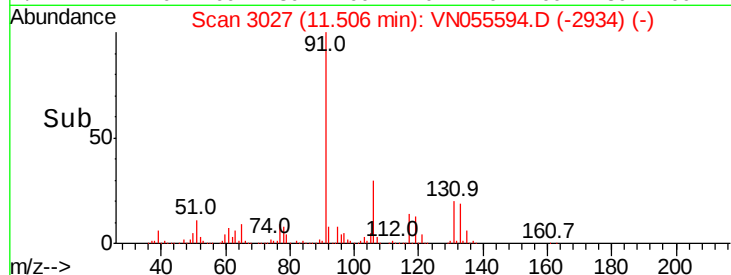
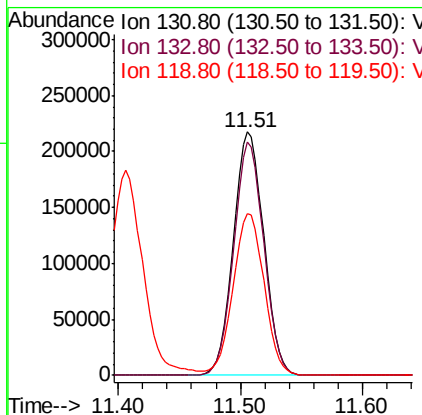
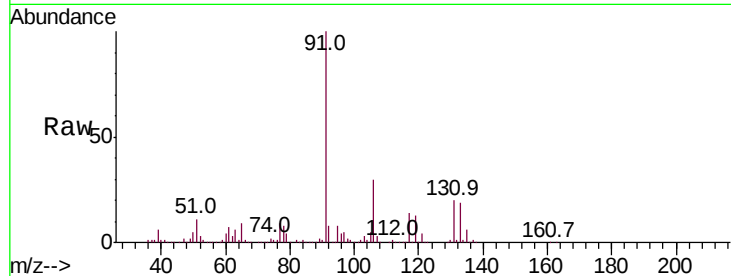
ClientSampleId :

KR-02_4-14MSD

Tot Ion:	131	Resp:	375633
Ion Ratio	Lower	Upper	
131	100		
133	94.8	47.6	142.9
119	67.7	34.2	102.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.829 ug/l

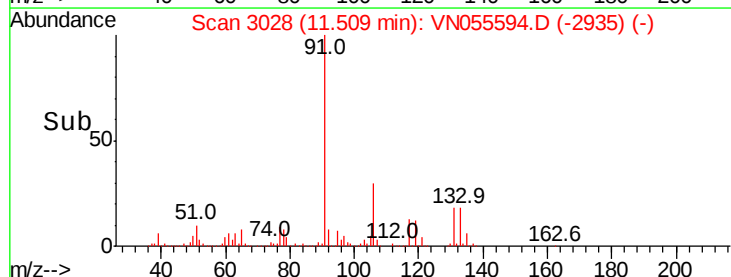
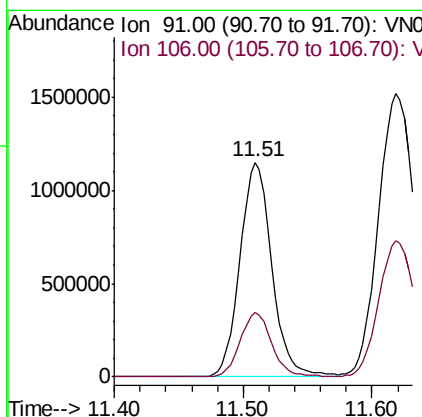
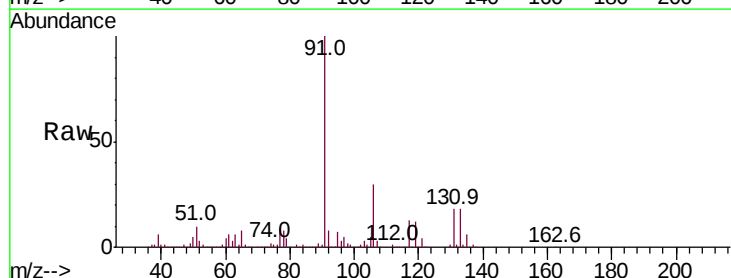
RT: 11.51 min Scan# 3028

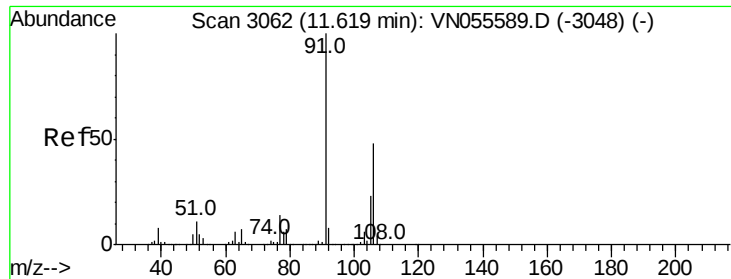
Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

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





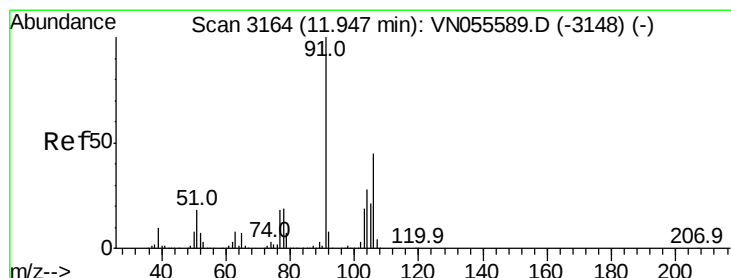
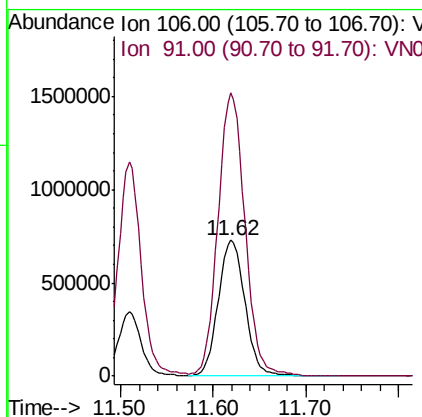
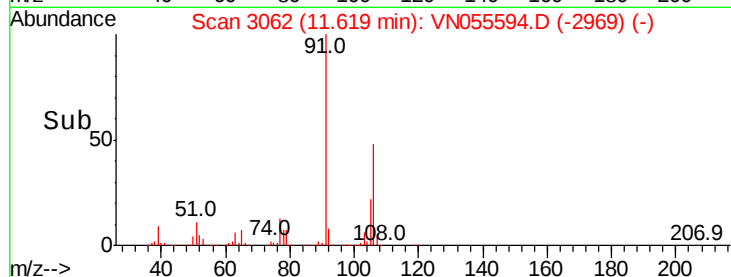
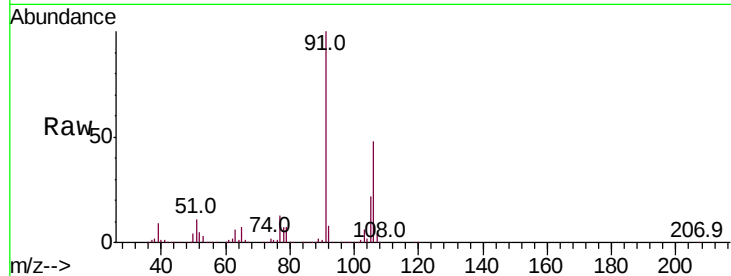
#68
m/p-Xylenes
Concen: 100.583 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

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

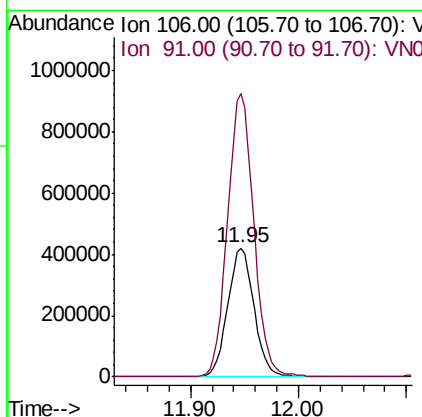
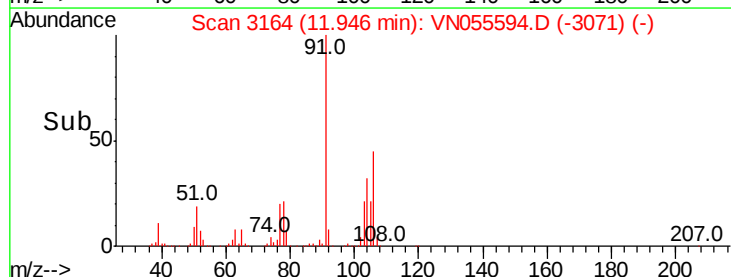
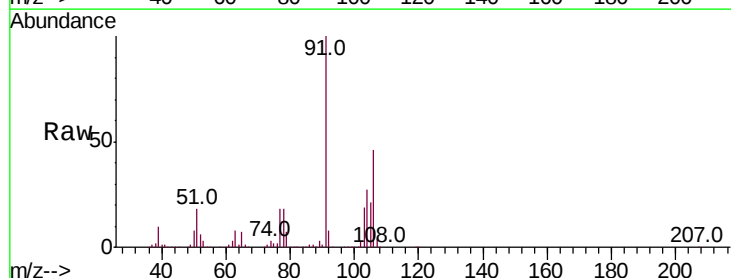
Manual Integrations
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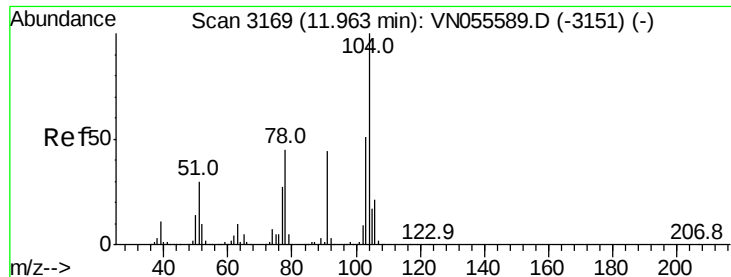
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#69
o-Xylene
Concen: 50.495 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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





#70

Stvrene

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

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14MSD

Tot Ion:104 Resp: 1195308

Ion Ratio Lower Upper

104 100

78 51.1 40.8 61.2

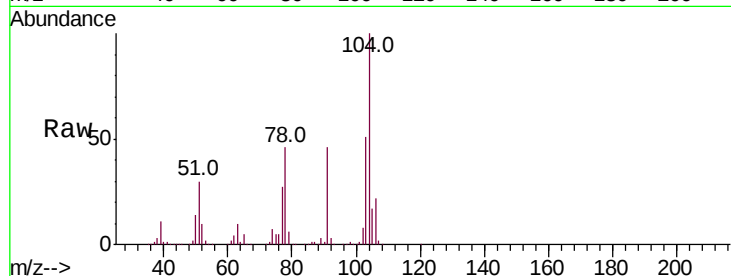
103 55.7 44.6 67.0

Manual Integrations

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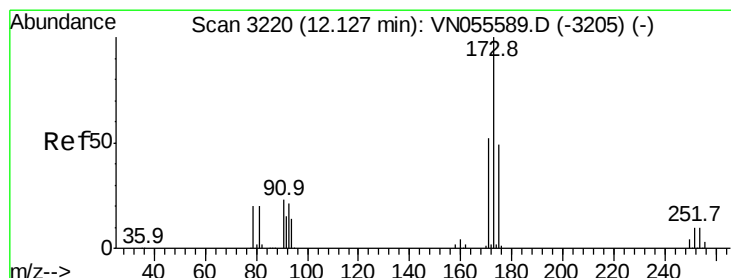
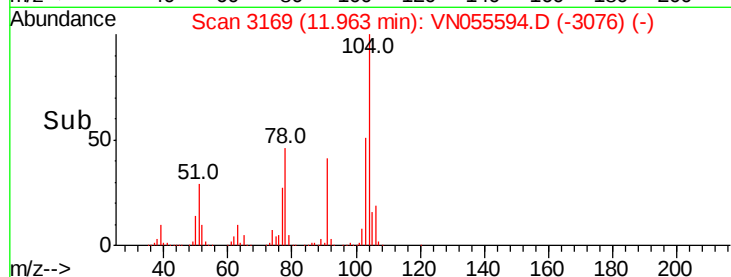
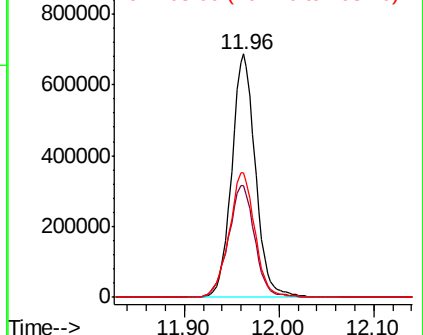
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#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

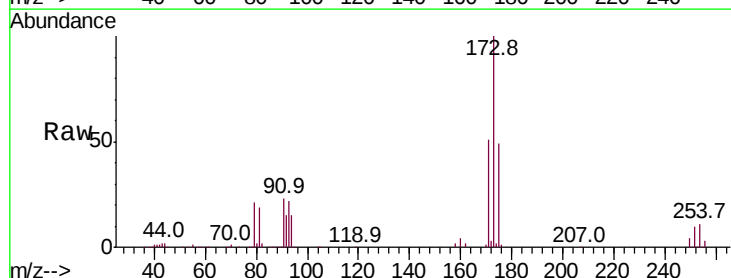
Tgt Ion:173 Resp: 263717

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

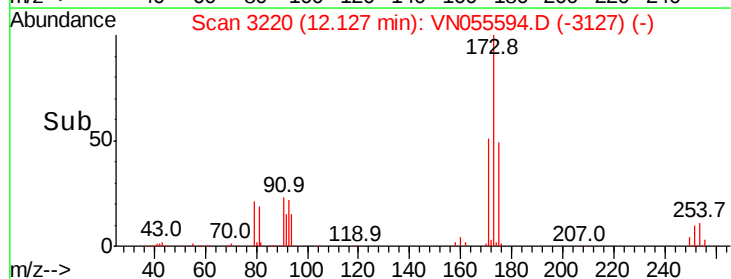
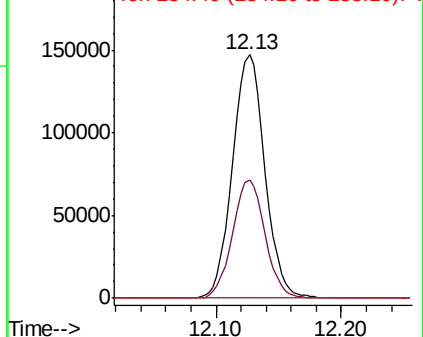
254 0.1 0.1 0.1#

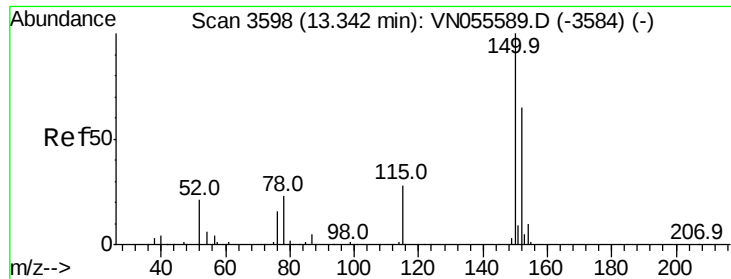


Abundance Ion 172.70 (172.40 to 173.40): V

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

Instrument :

MSVOA_N

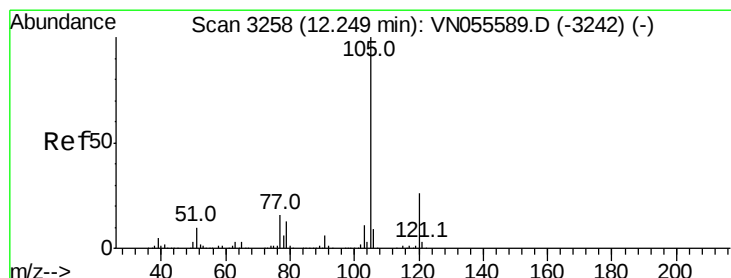
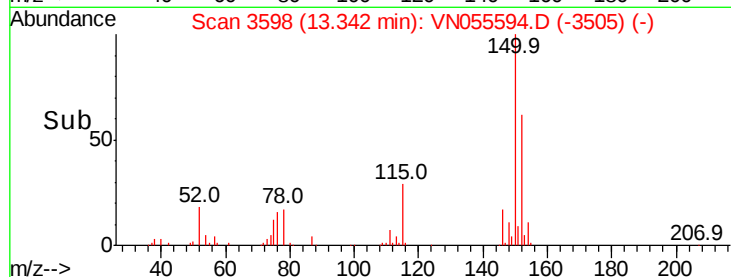
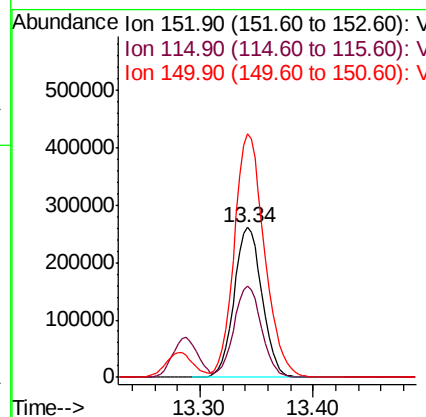
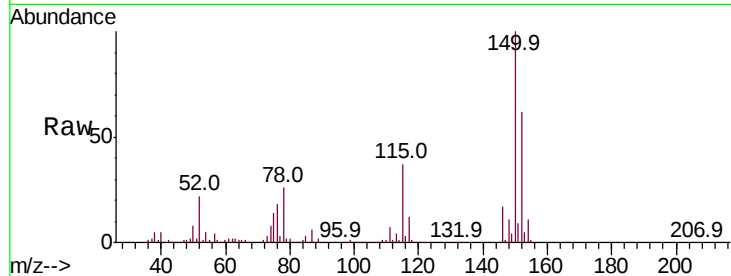
ClientSampleId :

KR-02_4-14MSD

Tot Ion:	152	Resp:	448524
Ion Ratio	Lower	Upper	
152	100		
115	60.0	29.8	89.4
150	175.3	0.0	346.6

Manual Integrations
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#73

Isopropylbenzene

Concen: 42.981 ug/l

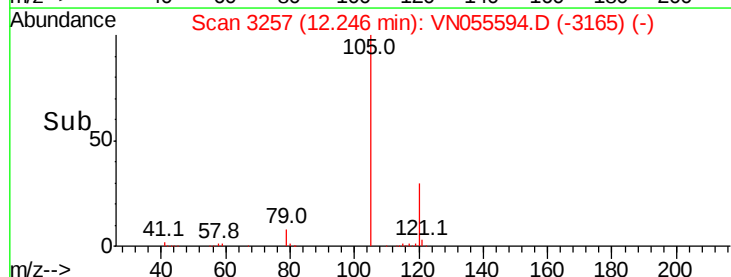
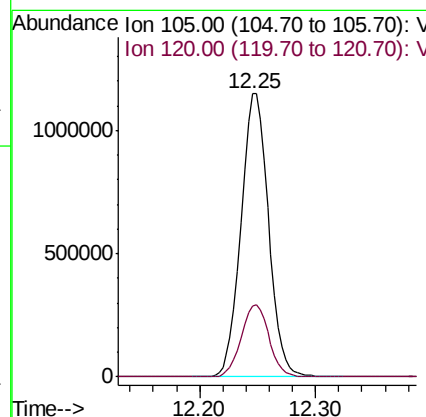
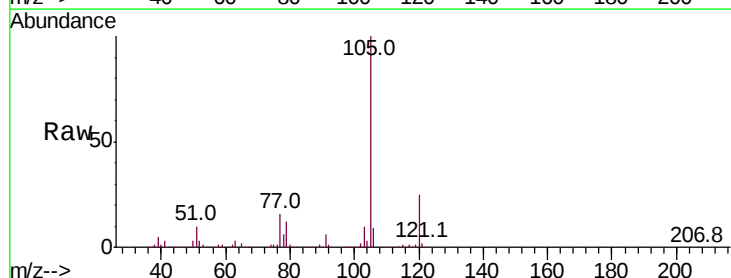
RT: 12.25 min Scan# 3257

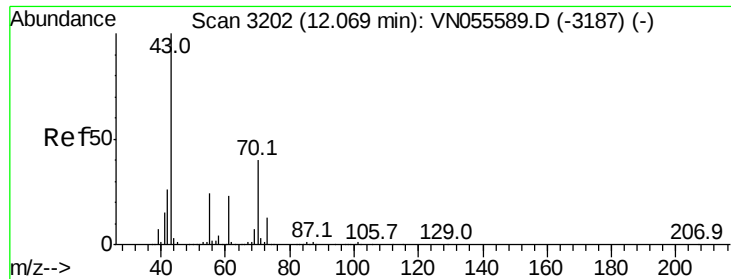
Delta R.T. -0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Tgt Ion:	105	Resp:	1883990
Ion Ratio	Lower	Upper	
105	100		
120	25.7	13.0	39.0





#74

N-amvl 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

Instrument :

MSVOA_N

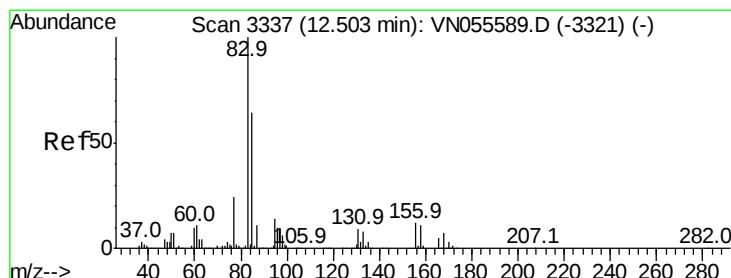
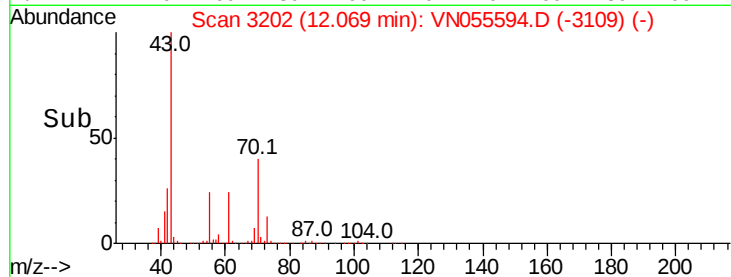
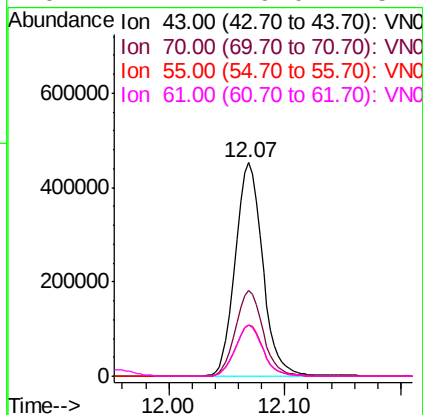
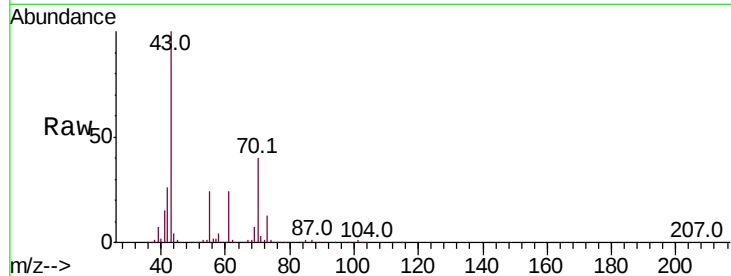
ClientSampleId :

KR-02_4-14MSD

Tot 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

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#75

1,1,2,2-Tetrachloroethane

Concen: 51.778 ug/l

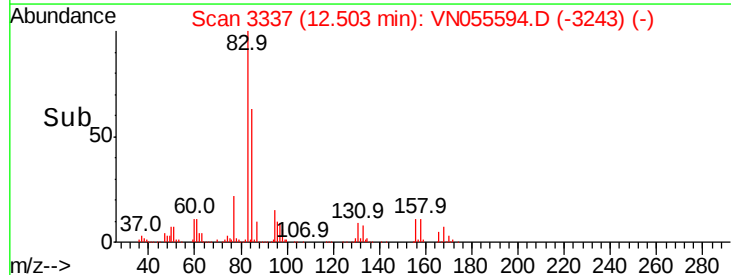
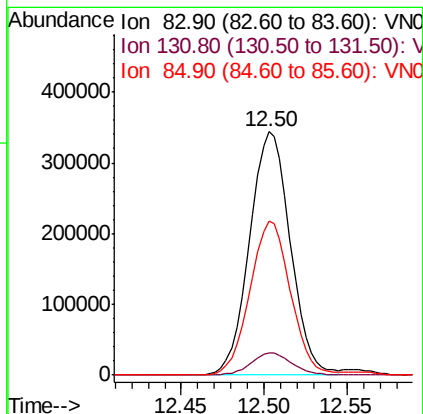
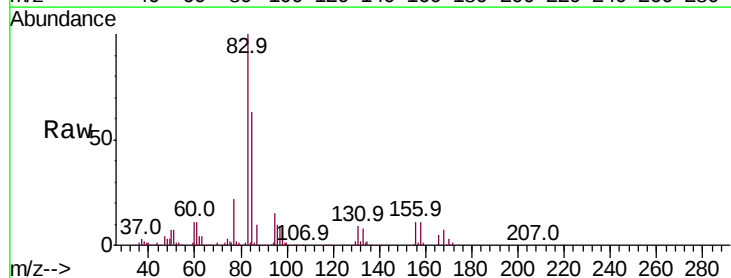
RT: 12.50 min Scan# 3337

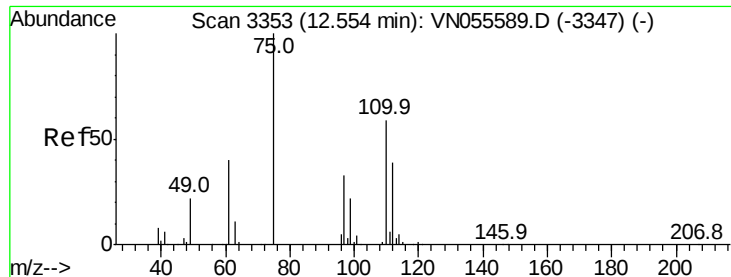
Delta R.T. 0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.6	13.8
85	63.2	32.2	96.6





#76

1,2,3-Trichloropropane

Concen: 46.815 ug/l m

RT: 12.55 min Scan# 3353

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: 519525

Ion Ratio Lower Upper

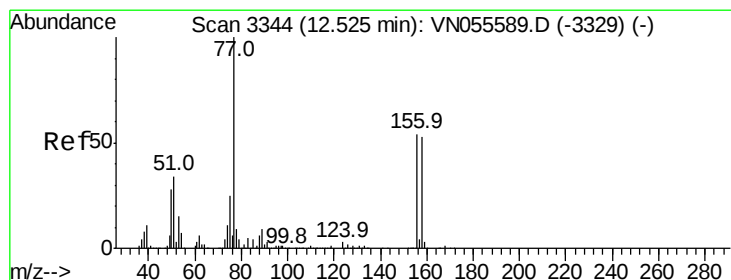
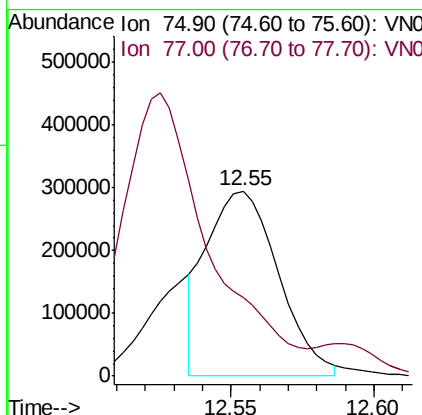
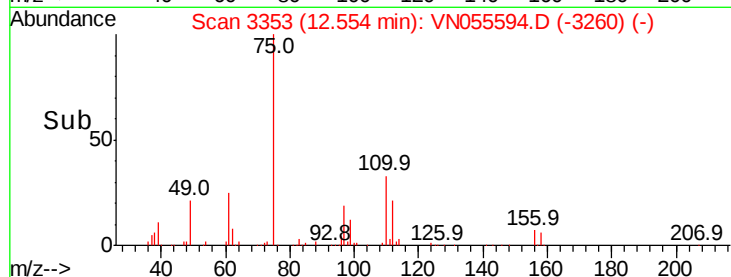
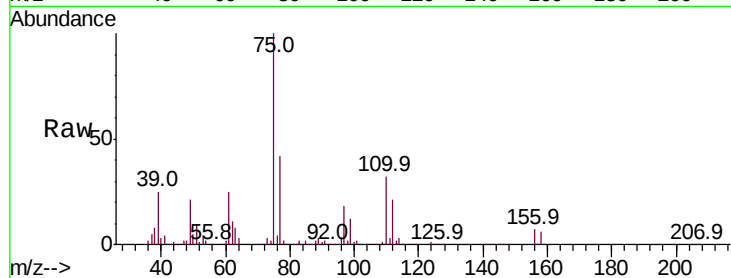
75 100

77 0.0 0.0 0.0

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#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

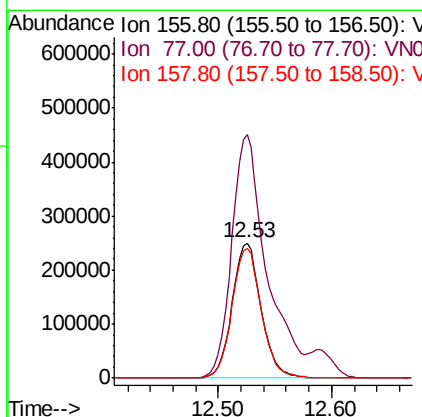
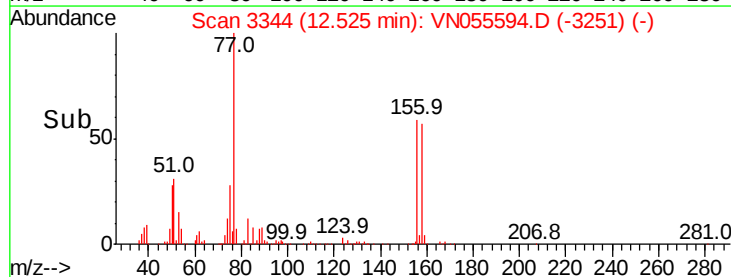
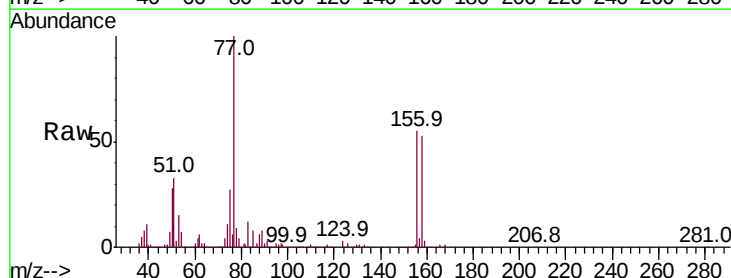
Tgt Ion: 156 Resp: 443488

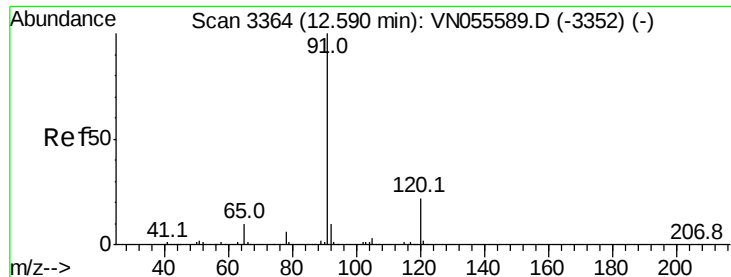
Ion Ratio Lower Upper

156 100

77 217.8 108.9 326.7

158 97.1 48.1 144.3





#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

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MSD

Tot Ion: 91 Resp: 2138220

Ion Ratio Lower Upper

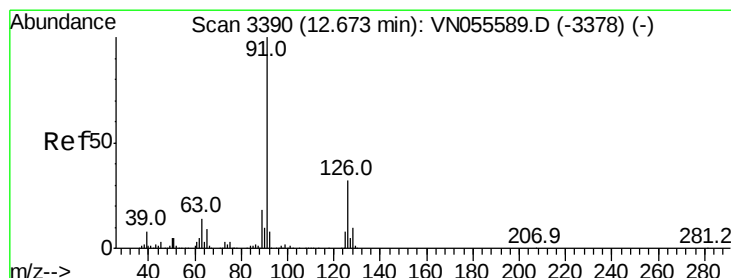
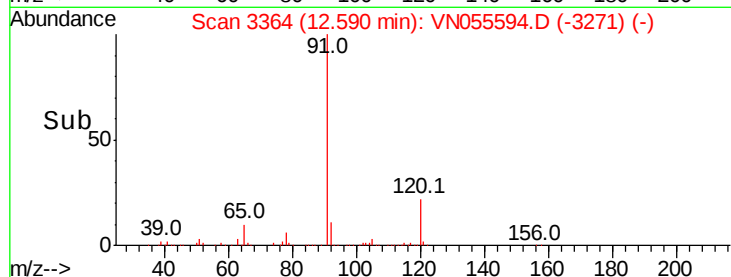
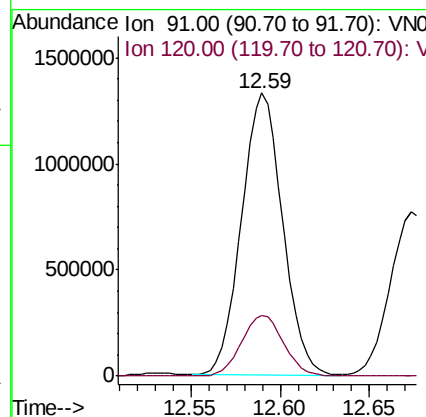
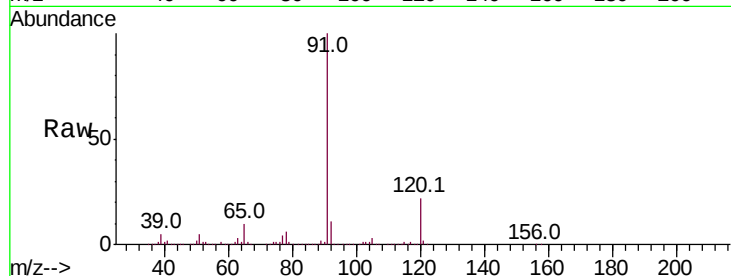
91 100

120 22.2 11.0 33.0

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#79

2-Chlorotoluene

Concen: 43.760 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055594.D

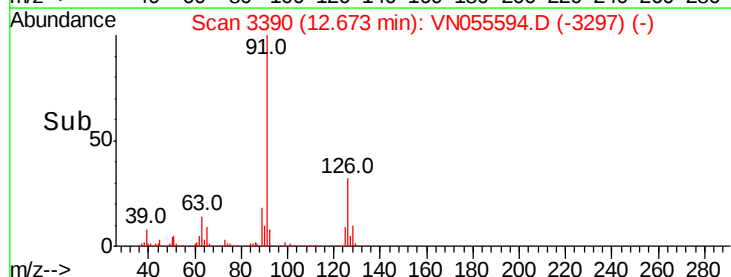
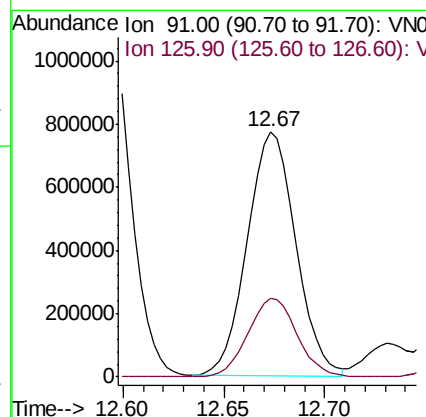
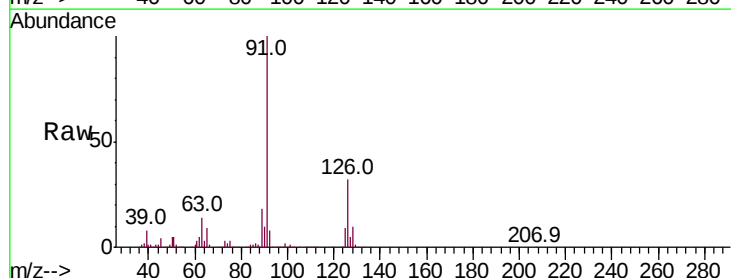
Acq: 14 May 2019 15:26

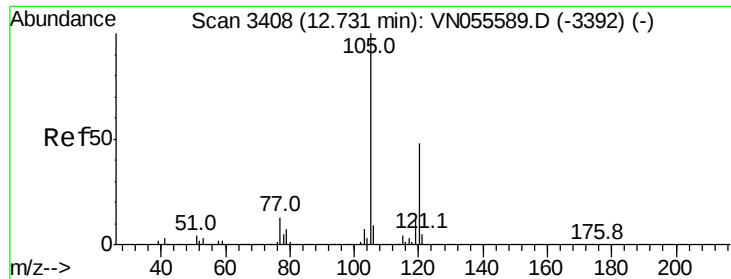
Tgt Ion: 91 Resp: 1300899

Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.7





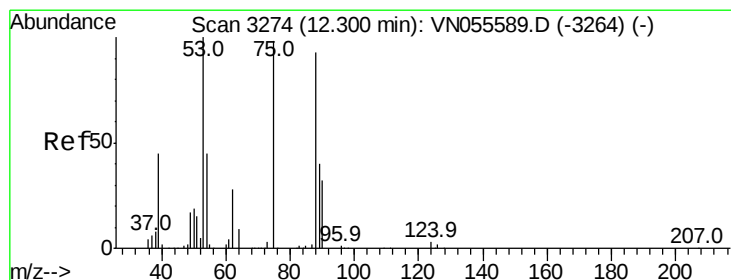
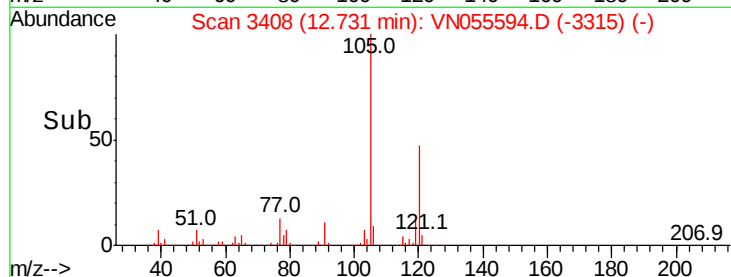
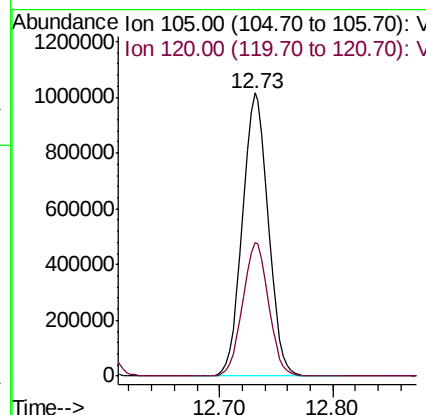
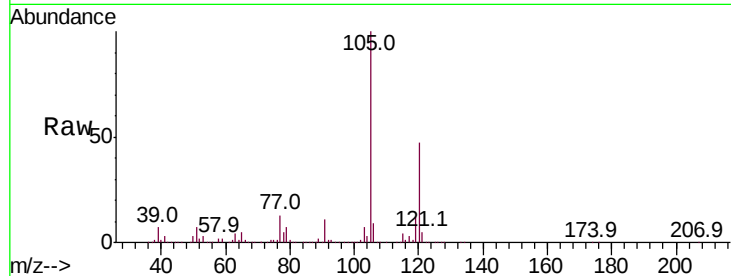
#80
 1,3,5-Trimethylbenzene
 Concen: 46.595 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

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

Tot Ion:105 Resp: 1614393
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.2

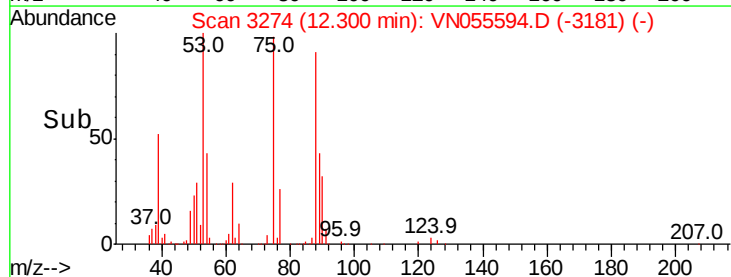
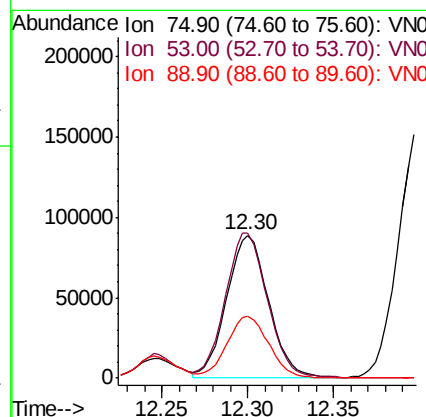
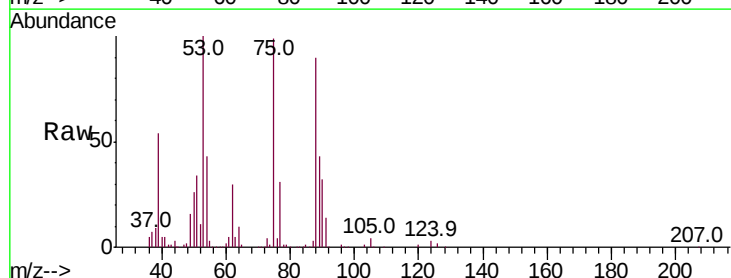
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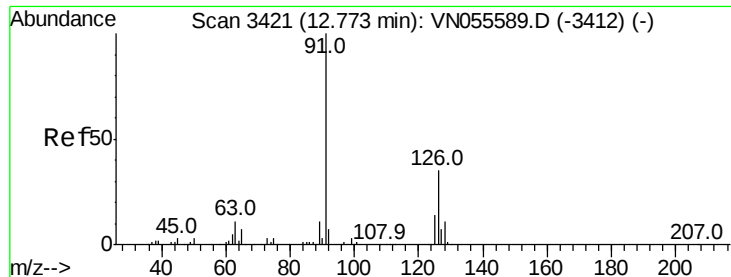
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.001 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion: 75 Resp: 149763
 Ion Ratio Lower Upper
 75 100
 53 103.0 83.9 125.9
 89 43.9 34.7 52.1





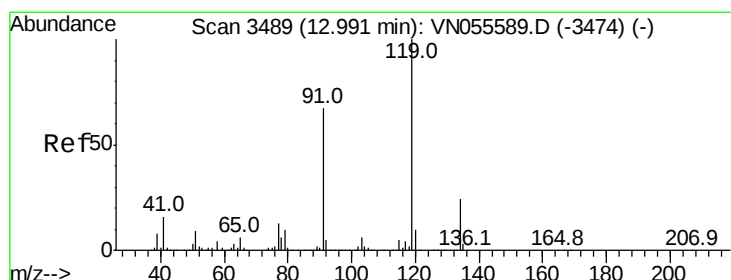
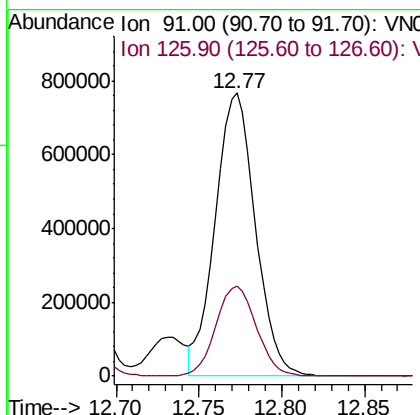
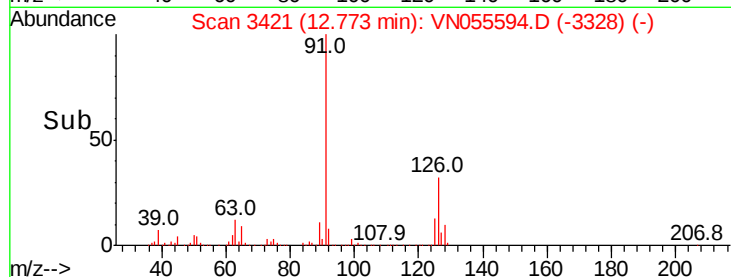
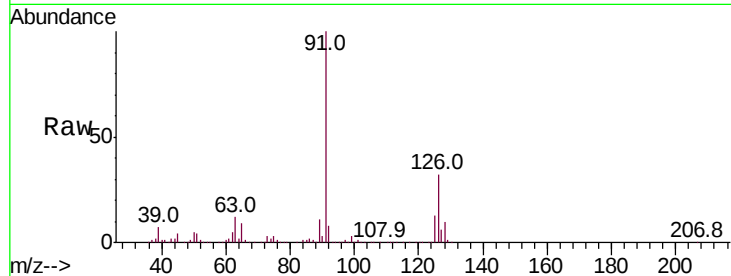
#82
4-Chlorotoluene
Concen: 46.714 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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

Tot Ion: 91 Resp: 1290009
Ion Ratio Lower Upper
91 100
126 32.2 16.2 48.6

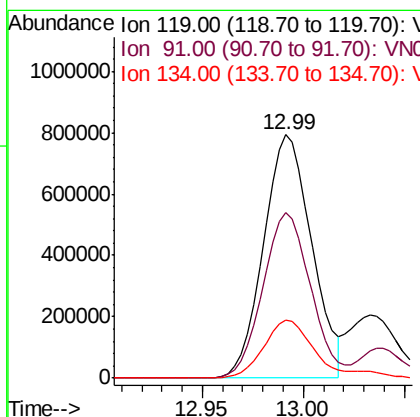
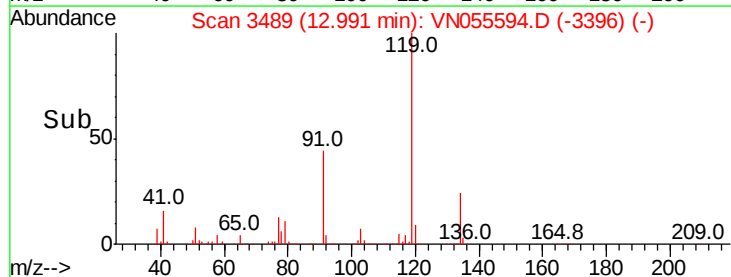
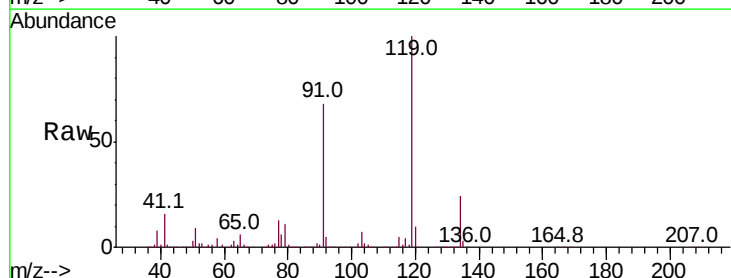
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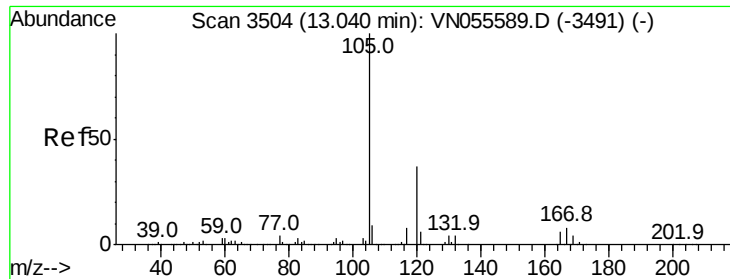
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#83
tert-Butylbenzene
Concen: 43.806 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055594.D
Acq: 14 May 2019 15:26

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





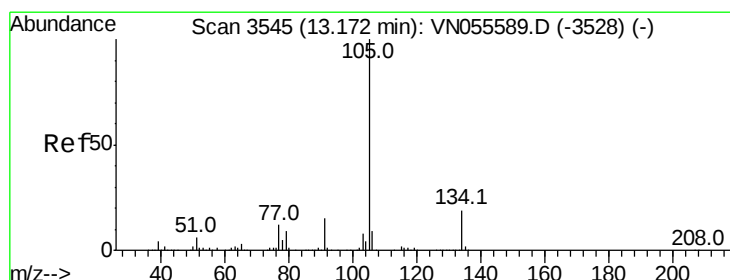
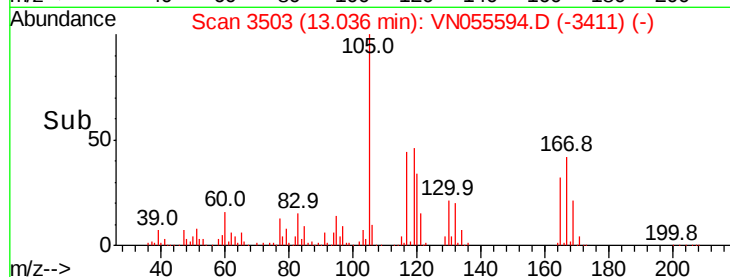
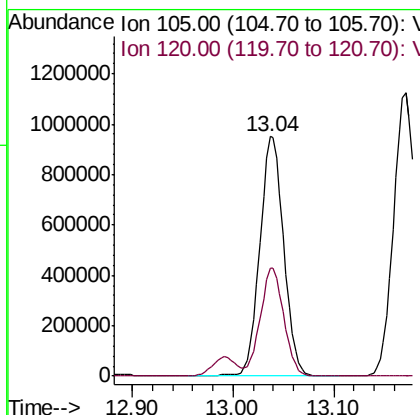
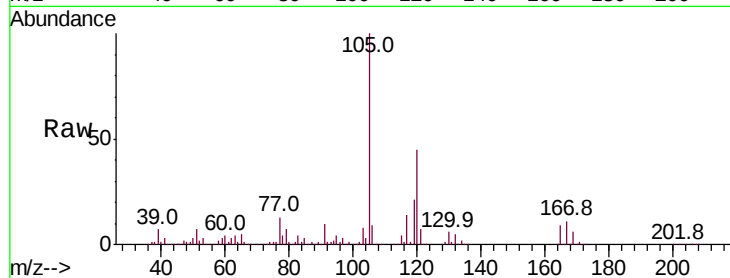
#84
 1,2,4-Trimethylbenzene
 Concen: 48.788 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

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

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

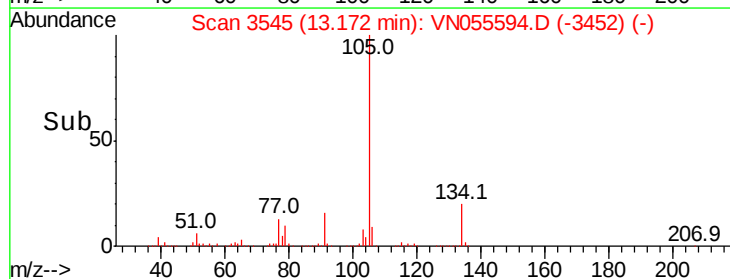
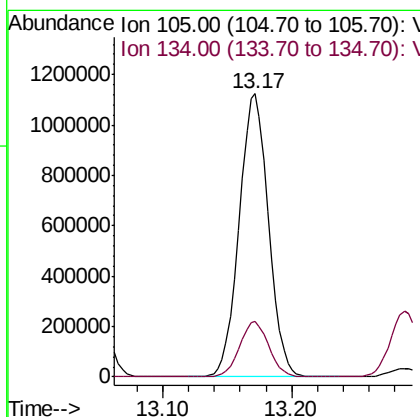
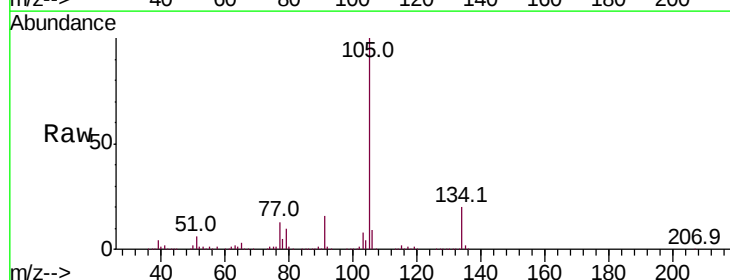
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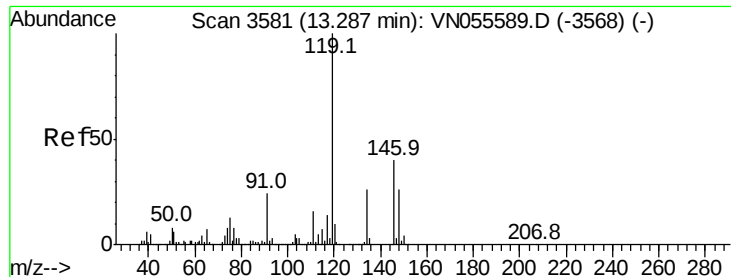
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#85
 sec-Butylbenzene
 Concen: 45.707 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion:105 Resp: 1770436
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1





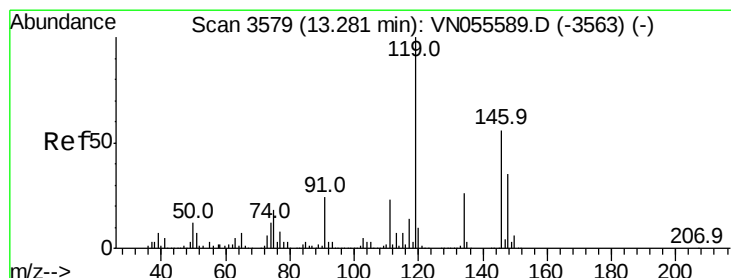
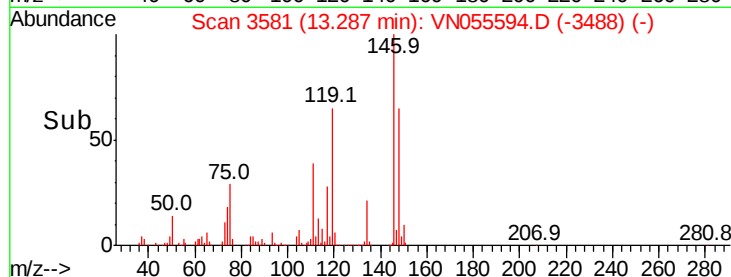
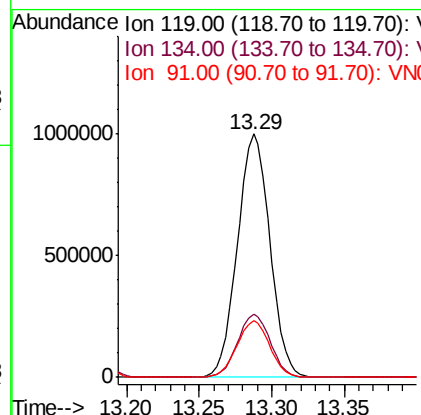
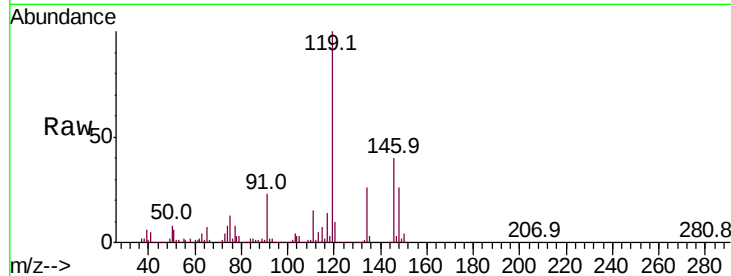
#86
 p-Isopropyltoluene
 Concen: 49.376 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	23.3	11.9	35.5

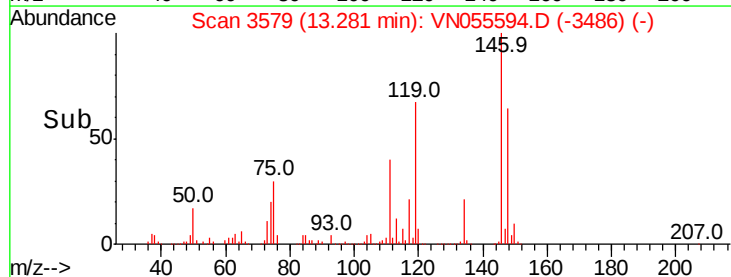
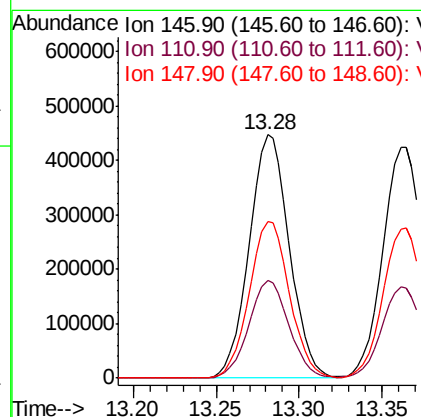
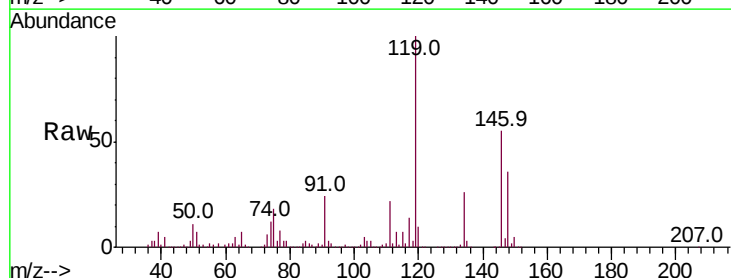
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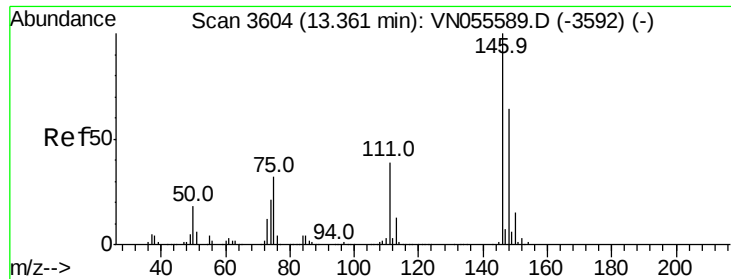
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#87
 1,3-Dichlorobenzene
 Concen: 48.336 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.5	61.5
148	64.4	32.3	96.9





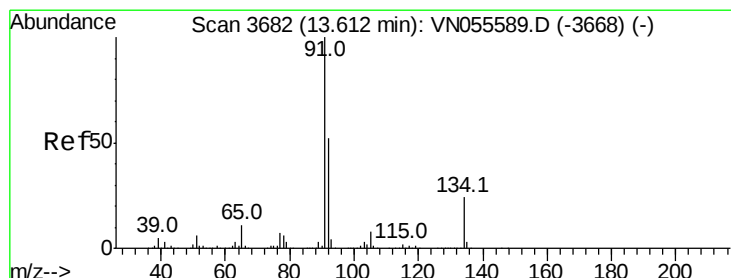
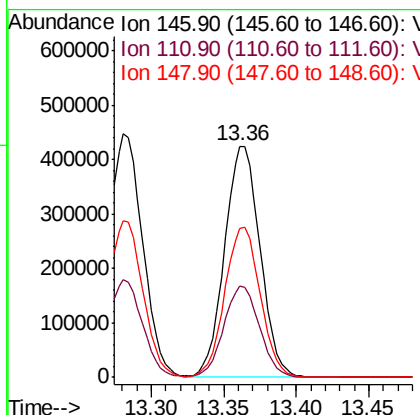
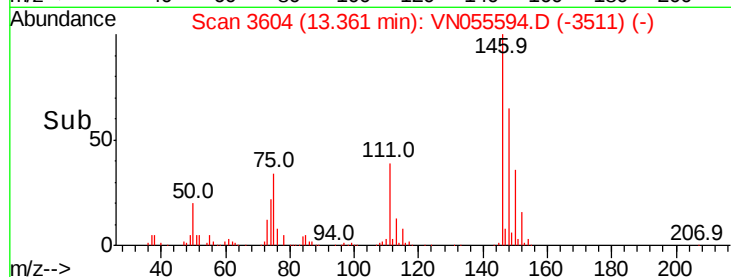
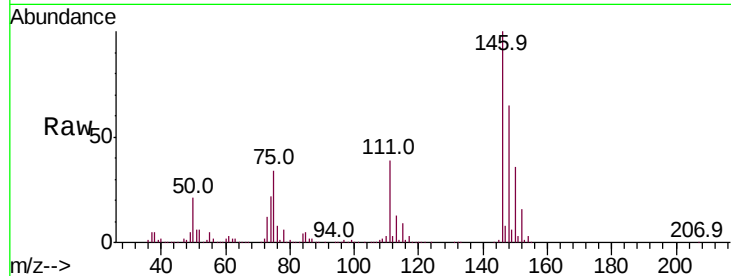
#88
 1,4-Dichlorobenzene
 Concen: 47.145 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	65.0	31.8	95.4

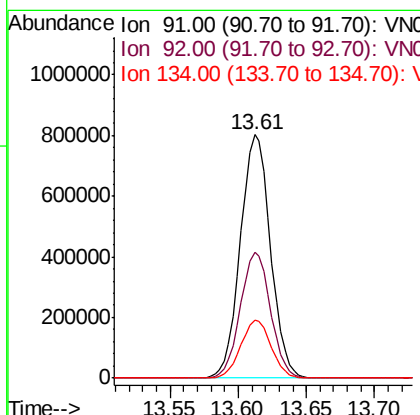
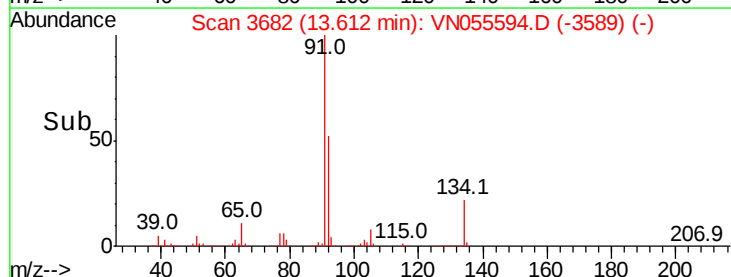
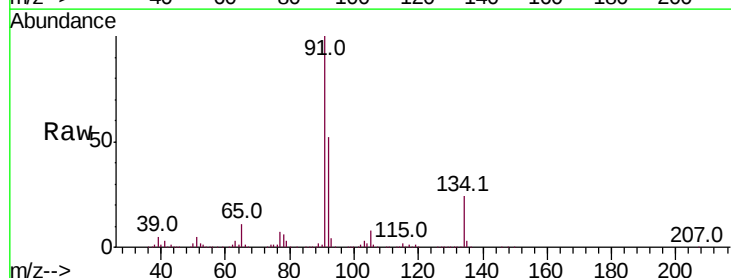
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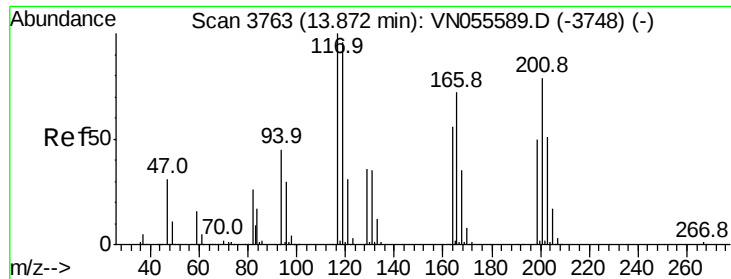
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#89
 n-Butylbenzene
 Concen: 53.038 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN055594.D
 Acq: 14 May 2019 15:26

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





#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

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MSD

Tot Ion:117 Resp: 236291

Ion Ratio Lower Upper

117 100

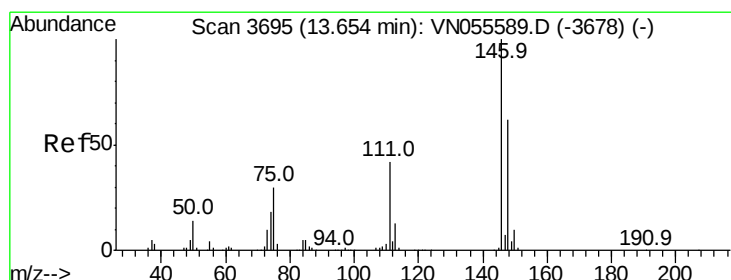
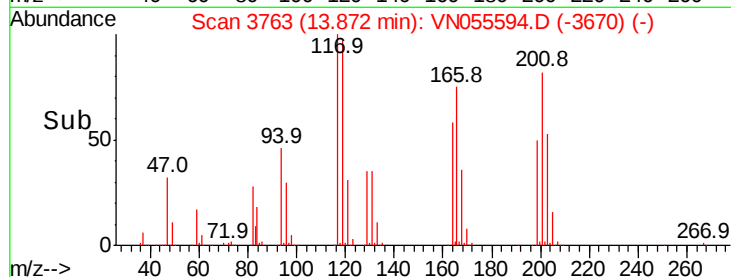
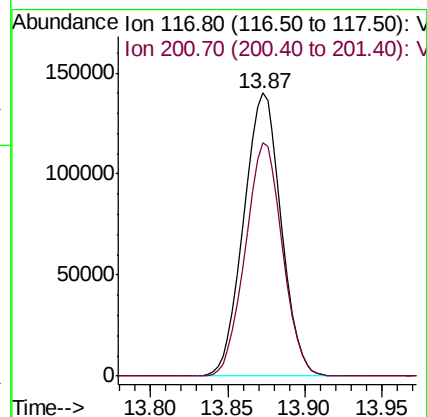
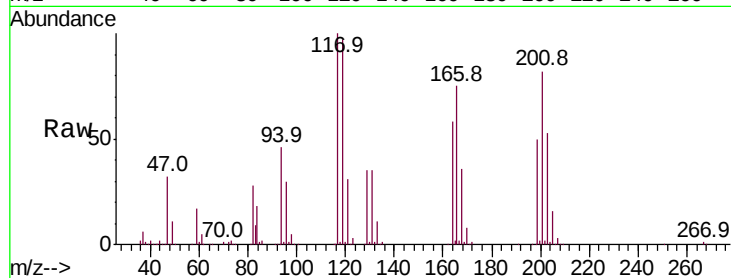
201 81.7 40.6 121.8

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#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

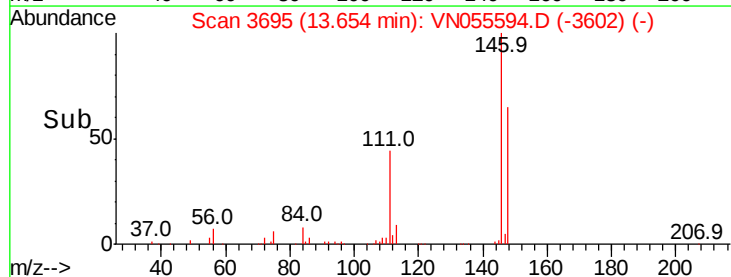
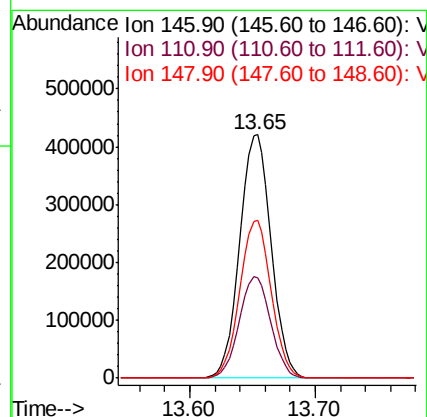
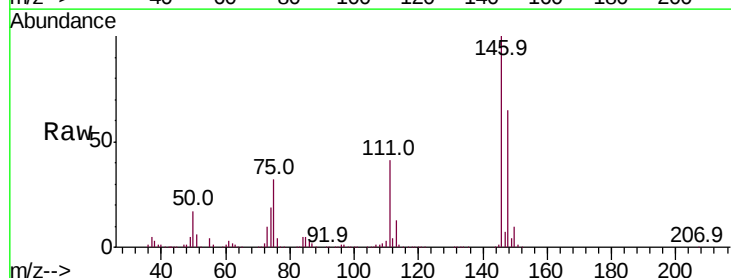
Tgt Ion:146 Resp: 734494

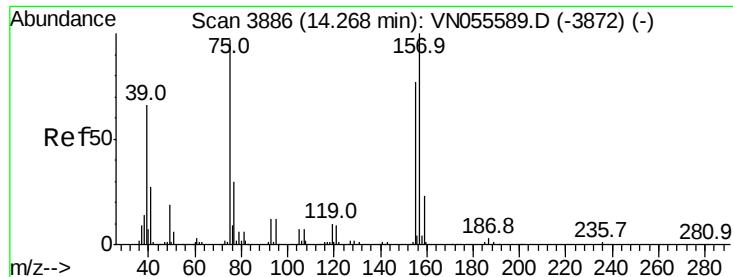
Ion Ratio Lower Upper

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

Instrument :

MSVOA_N

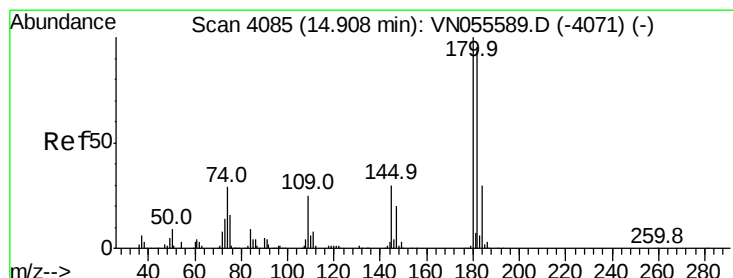
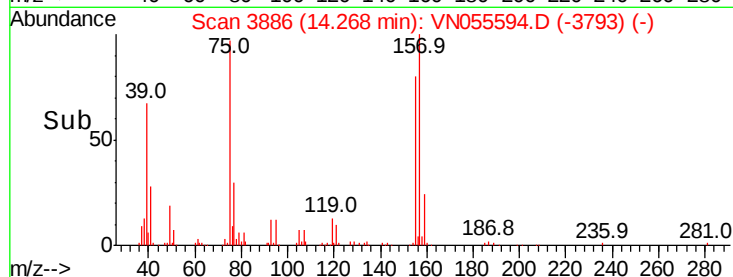
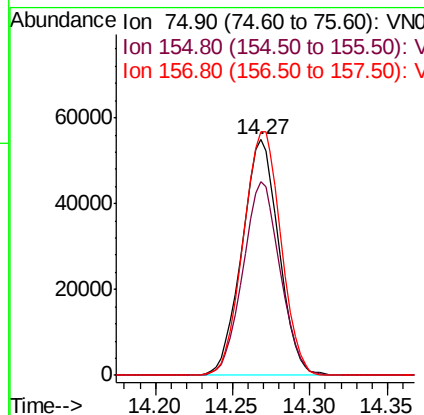
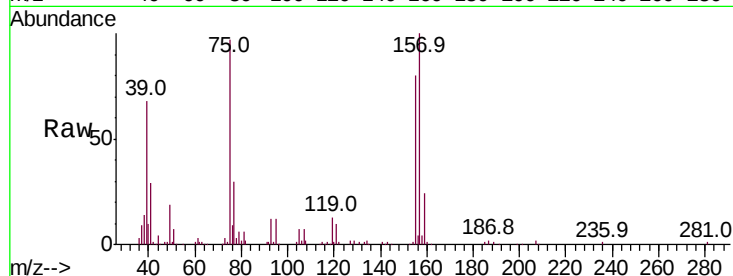
ClientSampleId :

KR-02 4-14MSD

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

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 48.592 ug/l

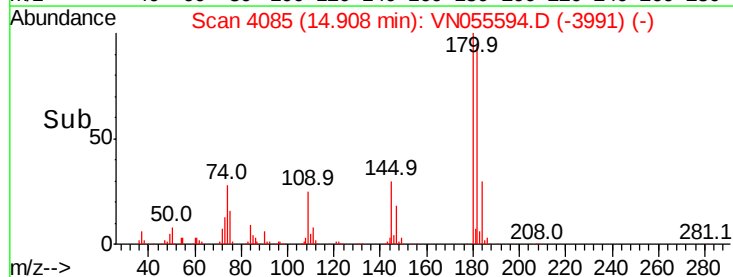
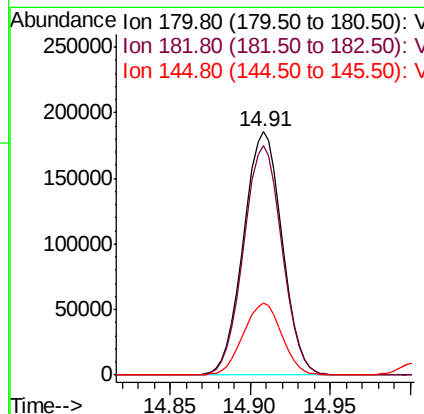
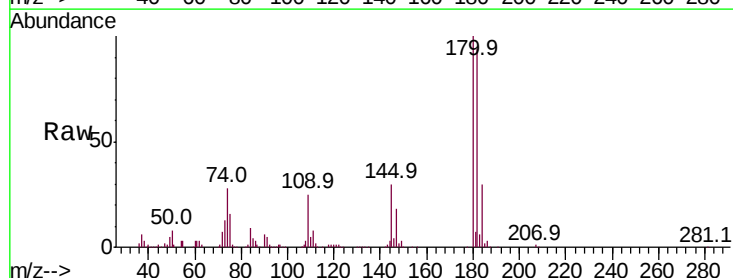
RT: 14.91 min Scan# 4085

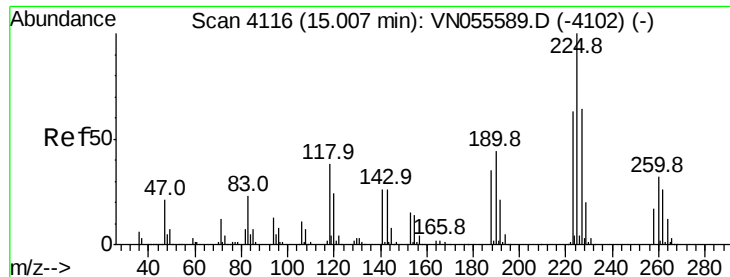
Delta R.T. 0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Tgt Ion:	180	Resp:	306008
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.4	142.3
145	29.5	14.9	44.7





#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

Instrument :

MSVOA_N

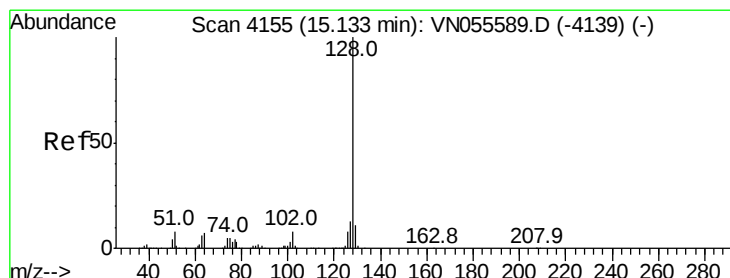
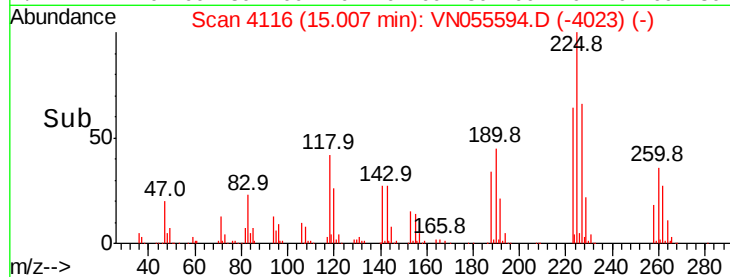
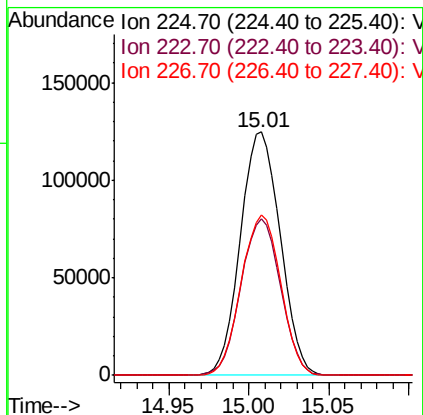
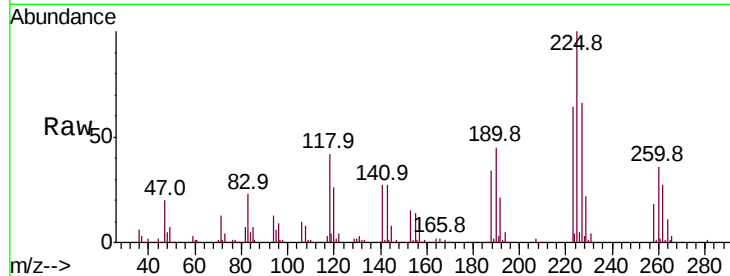
ClientSampleId :

KR-02_4-14MSD

Tot Ion:	225	Resp:	212452
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.6	95.0
227	65.5	32.4	97.0

Manual Integrations
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5/16/2019 1:27:35 PM



#95

Naphthalene

Concen: 48.918 ug/l

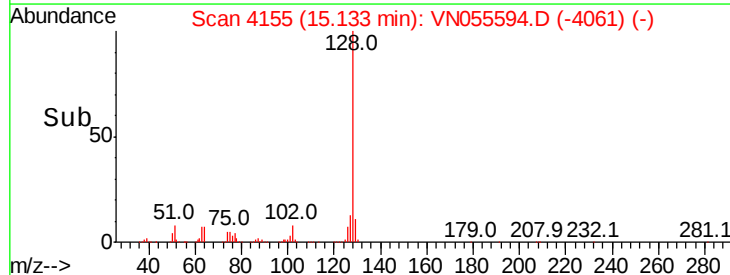
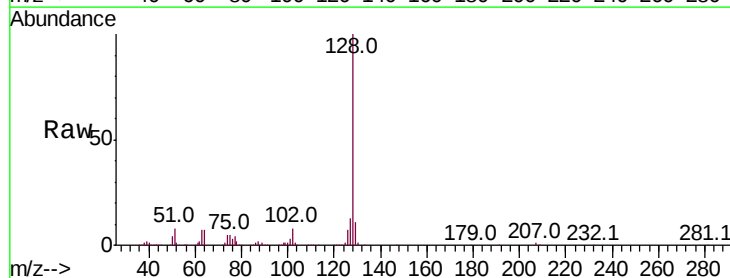
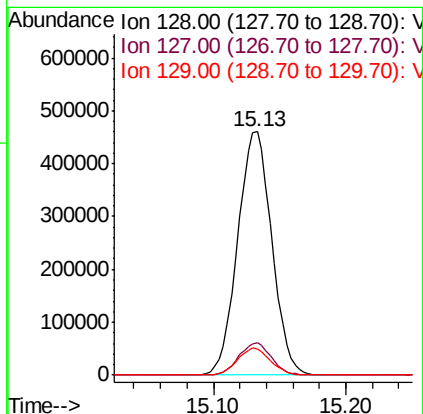
RT: 15.13 min Scan# 4155

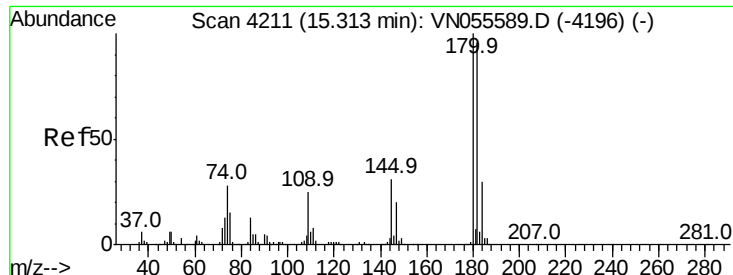
Delta R.T. 0.00 min

Lab File: VN055594.D

Acq: 14 May 2019 15:26

Tgt 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

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

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

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:35 PM

