

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055593.D
 Acq On : 14 May 2019 15:01
 Operator : JC/SP
 Sample : K2840-05MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02 4-14MS

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:30 PM

Quant Time: May 15 07:52:28 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	731700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1252579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1088939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	452015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	523890	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	7.59	113	417595	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.09	98	1622096	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.40	95	539683	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	349202	46.765	ug/l	99
3) Chloromethane	2.06	50	536440	46.177	ug/l	98
4) Vinyl Chloride	2.19	62	526626	46.512	ug/l	100
5) Bromomethane	2.55	94	304645	46.069	ug/l	100
6) Chloroethane	2.70	64	318984	46.480	ug/l	99
7) Trichlorofluoromethane	3.01	101	592854	46.977	ug/l	98
8) Diethyl Ether	3.41	74	268986	47.703	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	374800	47.177	ug/l	98
10) Methyl Iodide	3.94	142	534836	52.800	ug/l	99
11) Tert butyl alcohol	4.81	59	300536	228.853	ug/l	98
12) 1,1-Dichloroethene	3.73	96	385093	48.408	ug/l	99
13) Acrolein	3.60	56	316498	240.206	ug/l	98
14) Allyl chloride	4.32	41	742301	48.433	ug/l	99
15) Acrylonitrile	4.99	53	1100605	249.580	ug/l	99
16) Acetone	3.82	43	830728	177.696	ug/l	99
17) Carbon Disulfide	4.05	76	1094238	48.001	ug/l	99
18) Methyl Acetate	4.33	43	438634	50.036	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1226180	49.372	ug/l	99
20) Methylene Chloride	4.55	84	461787	46.932	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	416163	48.127	ug/l	99
22) Diisopropyl ether	5.96	45	1528268	49.646	ug/l	98
23) Vinyl Acetate	5.90	43	5983224	259.402	ug/l	100
24) 1,1-Dichloroethane	5.85	63	826020	48.315	ug/l	99
25) 2-Butanone	6.84	43	1393955	227.509	ug/l	99
26) 2,2-Dichloropropane	6.82	77	547462	49.580	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	479396	47.854	ug/l	99
28) Bromochloromethane	7.19	49	989267	119.134	ug/l	98
29) Tetrahydrofuran	7.22	42	968536	243.837	ug/l	99
30) Chloroform	7.37	83	772097	48.258	ug/l	98
31) Cyclohexane	7.65	56	792616	46.588	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	604547	48.797	ug/l	100
36) 1,1-Dichloropropene	7.79	75	597332	47.964	ug/l	99
37) Ethyl Acetate	6.93	43	579872	49.695	ug/l	99
38) Carbon Tetrachloride	7.77	117	495501	47.925	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	716396	48.848	ug/l	99
40) Benzene	8.04	78	1835762	48.269	ug/l	100
41) Methacrylonitrile	7.18	41	318050	59.795	ug/l	94
42) 1,2-Dichloroethane	8.12	62	611407	48.206	ug/l	99
43) Isopropyl Acetate	8.17	43	917247	50.122	ug/l	100
44) Trichloroethene	8.83	130	445117	48.665	ug/l	99
45) 1,2-Dichloropropane	9.12	63	516920	49.314	ug/l	98
46) Dibromomethane	9.21	93	297851	48.113	ug/l	100
47) Bromodichloromethane	9.40	83	582785	49.384	ug/l	98
48) Methyl methacrylate	9.20	41	440374	49.260	ug/l	98
49) 1,4-Dioxane	9.20	88	154420	945.142	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2866669	249.314	ug/l	100
52) Toluene	10.16	92	1089655	50.008	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	597467	52.810	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	701917	51.670	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	423274	48.589	ug/l	99
56) Ethyl methacrylate	10.43	69	625086	51.492	ug/l	99
57) 1,3-Dichloropropane	10.71	76	750810	49.858	ug/l	100
59) 2-Hexanone	10.75	43	1897137	239.175	ug/l	100
60) Dibromochloromethane	10.90	129	411130	51.885	ug/l	99
61) 1,2-Dibromoethane	11.00	107	415293	50.459	ug/l	100
64) Tetrachloroethene	10.63	164	420415	48.333	ug/l	98
65) Chlorobenzene	11.43	112	1103060	48.814	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	388100	50.102	ug/l	100
67) Ethyl Benzene	11.51	91	2027179	50.019	ug/l	100
68) m/p-Xylenes	11.62	106	1488642	100.490	ug/l	100
69) o-Xylene	11.95	106	724927	50.286	ug/l	99
70) Styrene	11.96	104	1219926	53.211	ug/l	99
71) Bromoform	12.13	173	269064	53.290	ug/l #	99
73) Isopropylbenzene	12.25	105	1914207	43.333	ug/l	100
74) N-amyl acetate	12.07	43	718336	46.079	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	600041	52.566	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	519306m	46.434	ug/l	
77) Bromobenzene	12.53	156	442670	50.240	ug/l	99
78) n-propylbenzene	12.59	91	2180495	46.296	ug/l	100
79) 2-Chlorotoluene	12.67	91	1314854	43.888	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1606693	46.014	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	148349	47.181	ug/l	99
82) 4-Chlorotoluene	12.77	91	1284936	46.171	ug/l	100
83) tert-Butylbenzene	12.99	119	1342386	44.289	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1533533	47.556	ug/l	100
85) sec-Butylbenzene	13.17	105	1781671	45.642	ug/l	100
86) p-Isopropyltoluene	13.29	119	1529272	48.316	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	738495	47.207	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	714271	46.406	ug/l	100
89) n-Butylbenzene	13.61	91	1184408	50.720	ug/l	99
90) Hexachloroethane	13.87	117	241855	49.372	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	721936	46.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89009	47.184	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	277209	44.018	ug/l	99

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KR-02_4-14MS

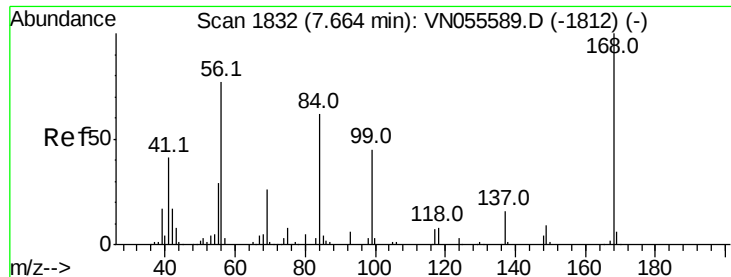
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	220421	51.276	ug/l	100
95) Naphthalene	15.13	128	726430	43.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	298707	44.558	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion:168 Resp: 731700

Ion Ratio Lower Upper

168 100

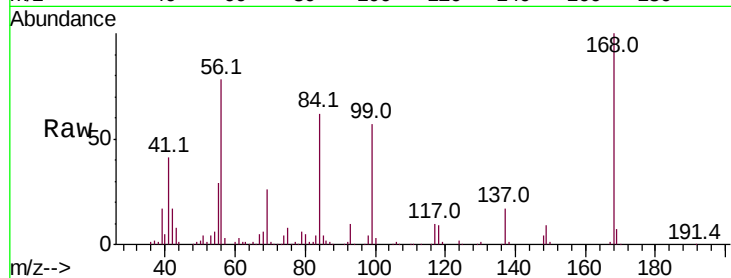
99 56.2 44.6 66.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

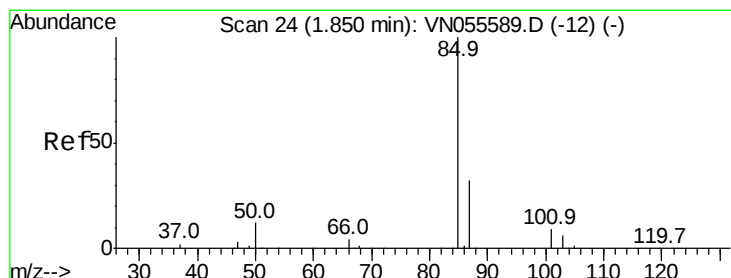
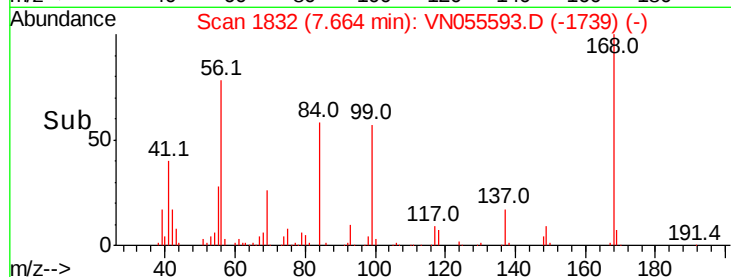
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.765 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055593.D

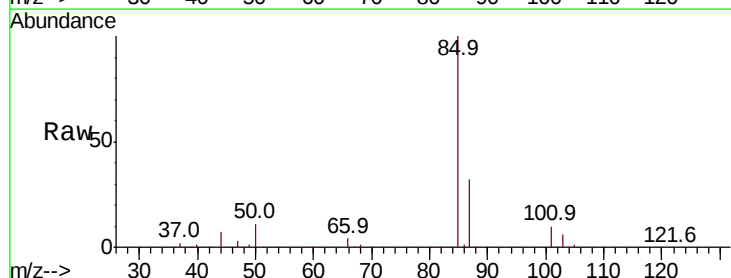
Acq: 14 May 2019 15:01

Tgt Ion: 85 Resp: 349202

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

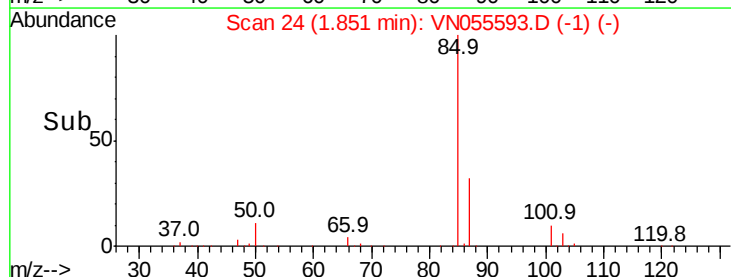
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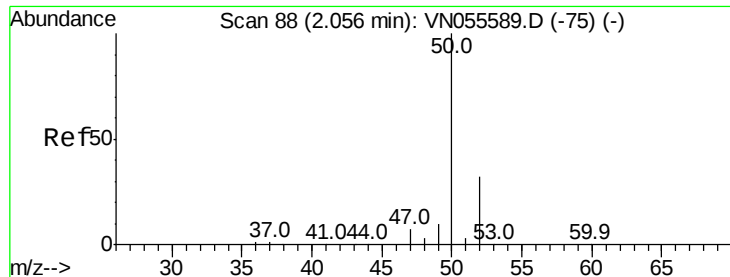
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.177 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion: 50 Resp: 536440

Ion Ratio Lower Upper

50 100

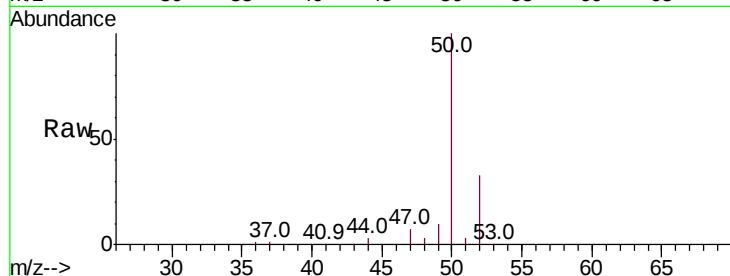
52 33.0 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VN055589.D (-75) (-)

Ion 51.90 (51.60 to 52.60): VN055589.D (-75) (-)

2.06

400000

300000

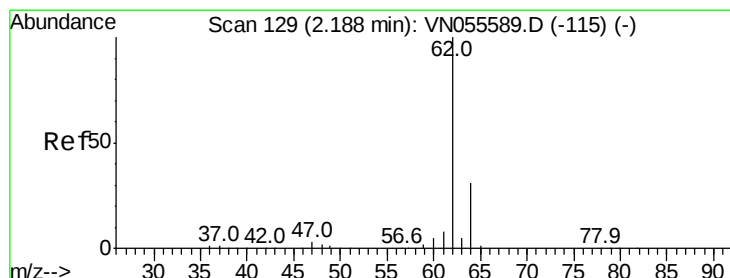
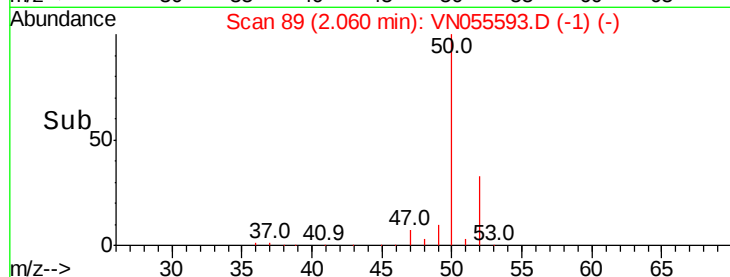
200000

100000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 46.512 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055593.D

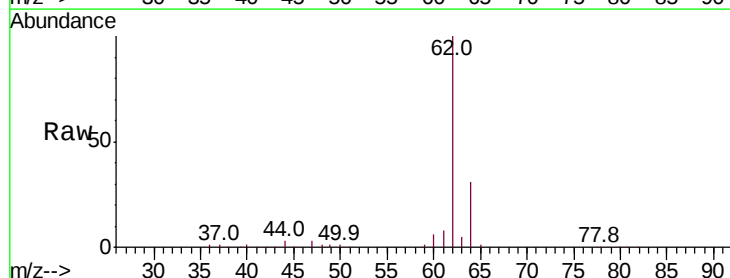
Acq: 14 May 2019 15:01

Tgt Ion: 62 Resp: 526626

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN055589.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055589.D (-115) (-)

2.19

400000

300000

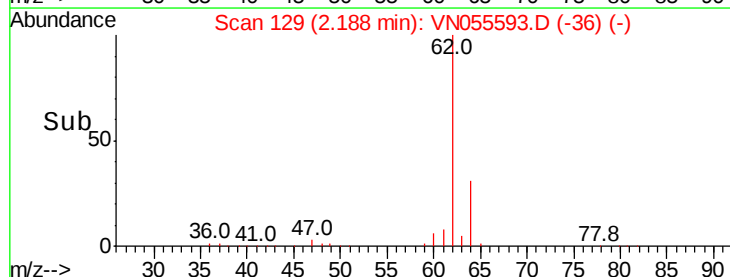
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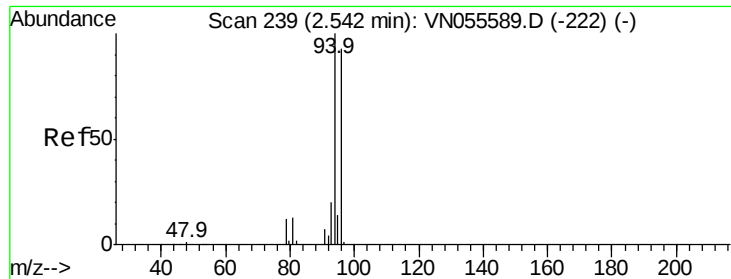
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0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 46.069 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion: 94 Resp: 304645

Ion Ratio Lower Upper

94 100

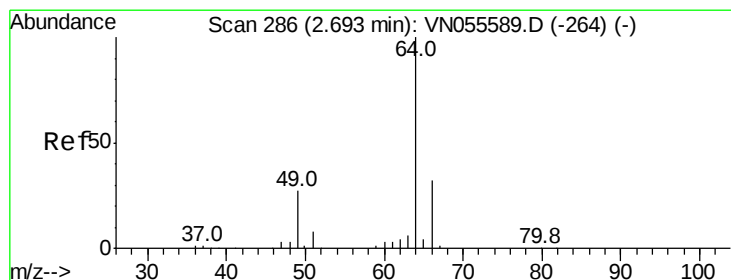
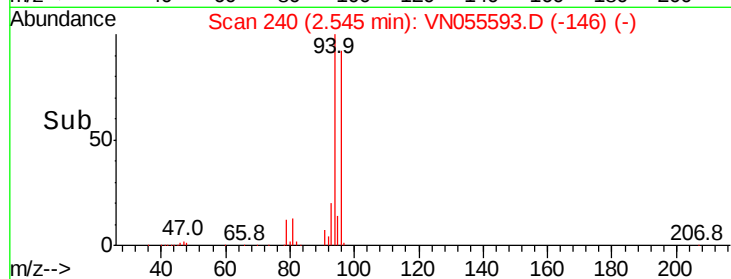
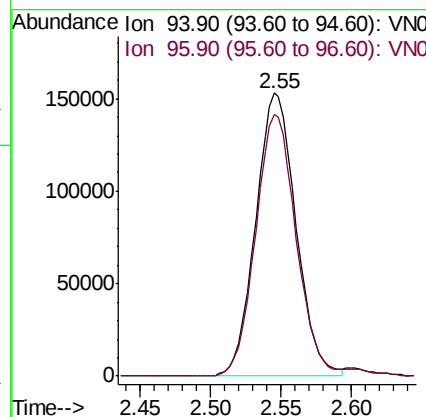
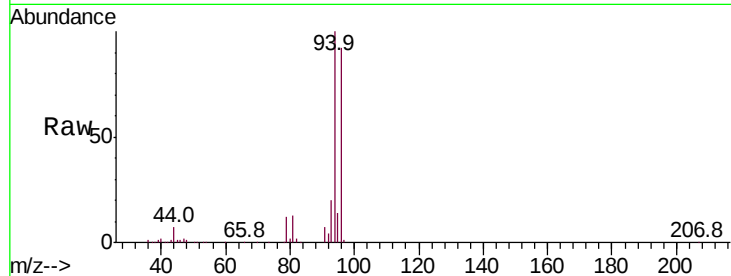
96 92.2 74.0 111.0

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#6

Chloroethane

Concen: 46.480 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN055593.D

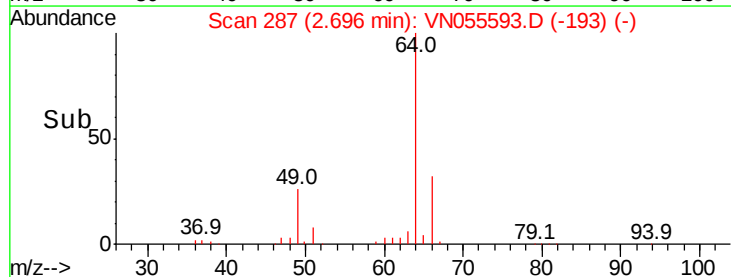
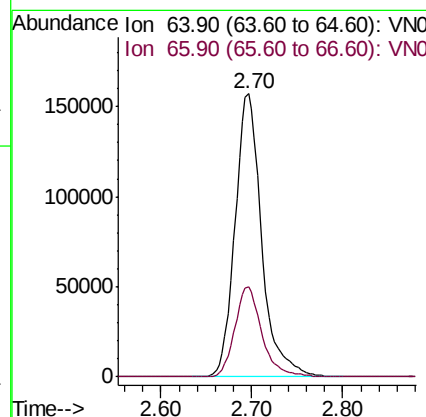
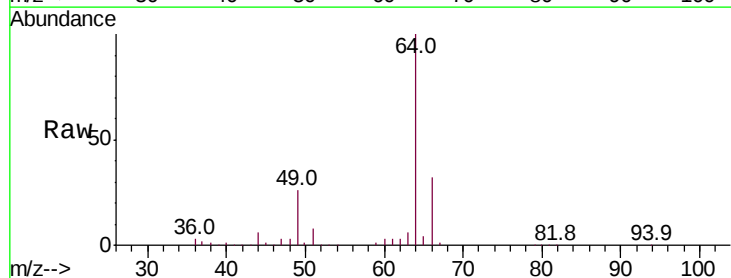
Acq: 14 May 2019 15:01

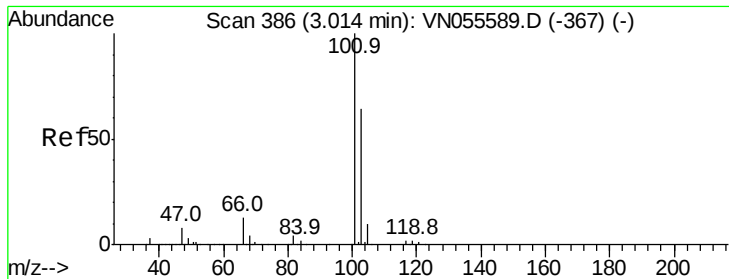
Tgt Ion: 64 Resp: 318984

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.6





#7

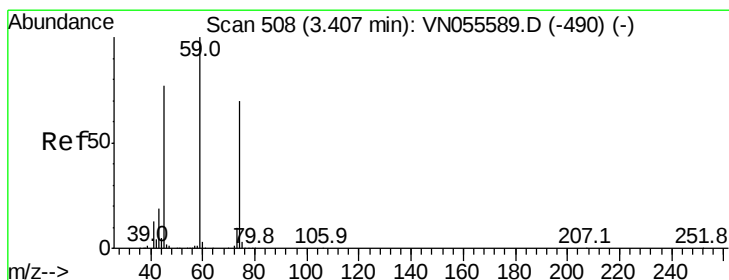
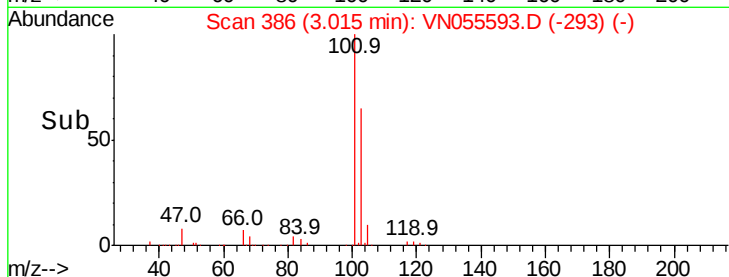
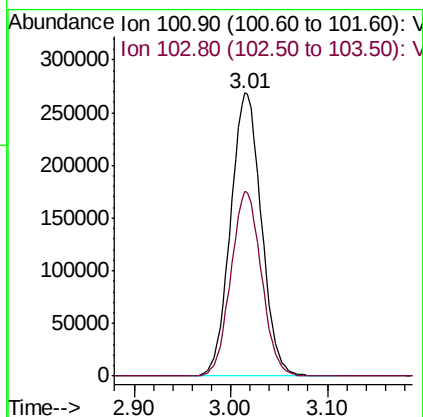
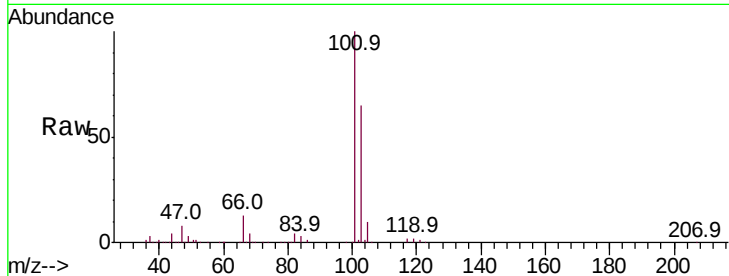
Trichlorofluoromethane
Concen: 46.977 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.0	76.6

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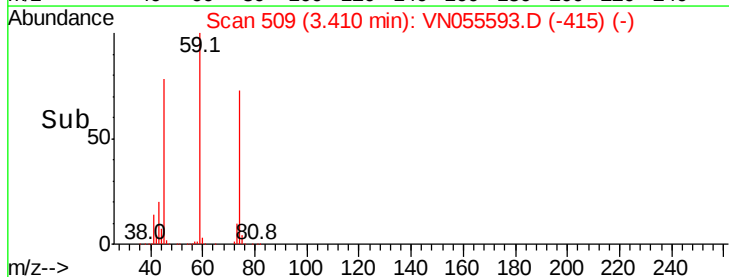
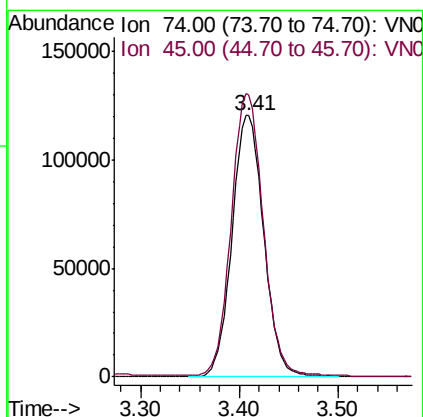
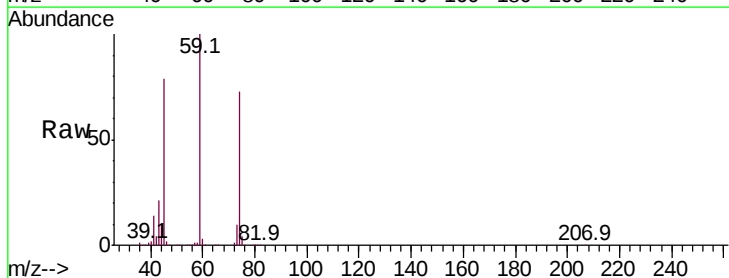
MMDadoda
5/16/2019 1:27:30 PM

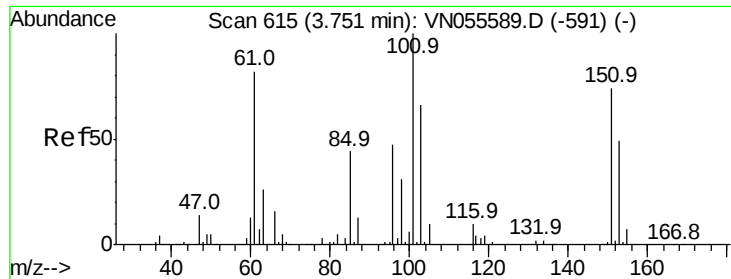


#8

Diethyl Ether
Concen: 47.703 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.0	54.9	164.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.177 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

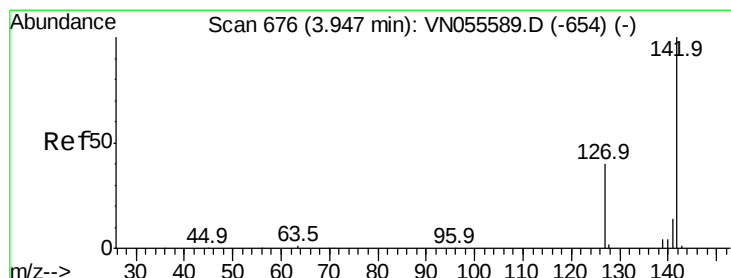
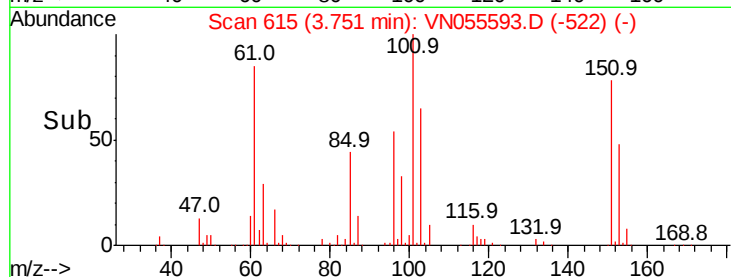
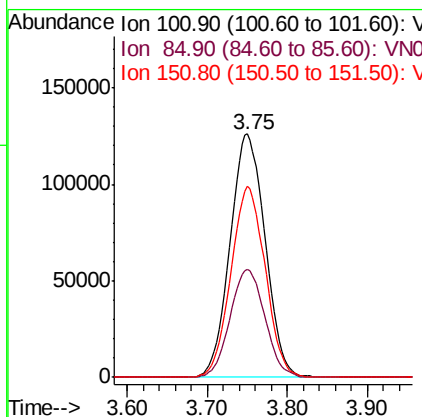
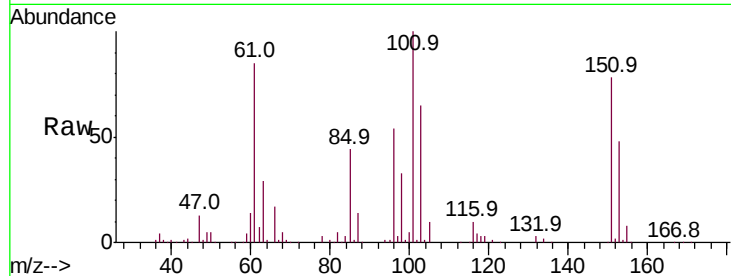
ClientSampleId :

KR-02_4-14MS

Tot Ion:	101	Resp:	374800
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.2	51.2
151	76.6	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 52.800 ug/l

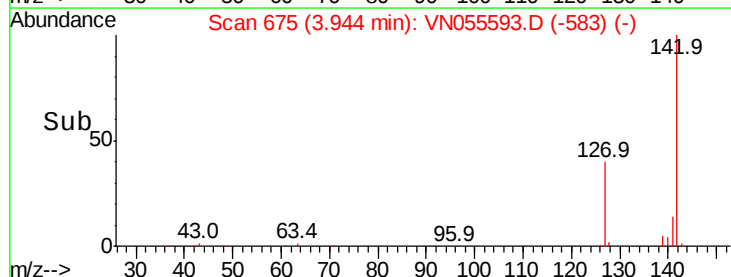
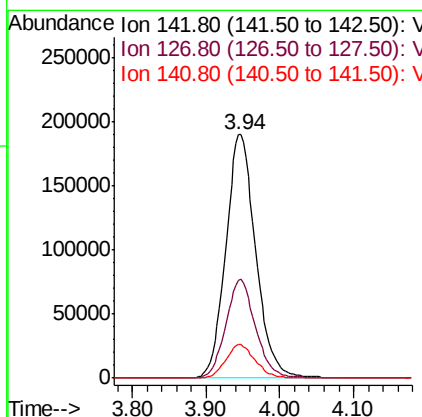
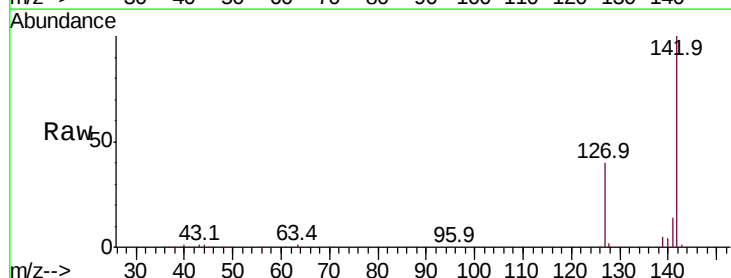
RT: 3.94 min Scan# 675

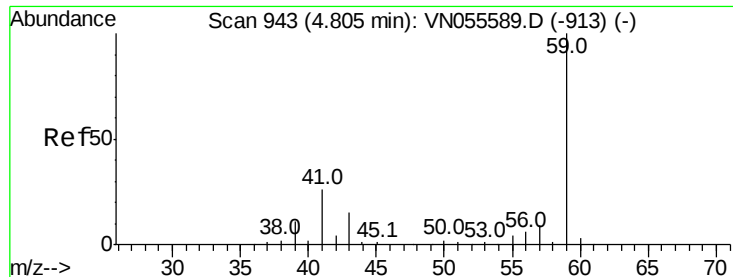
Delta R.T. -0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Tgt Ion:	142	Resp:	534836
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.5	48.7
141	13.7	11.2	16.8





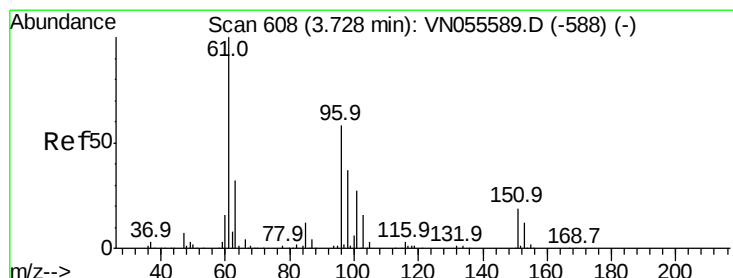
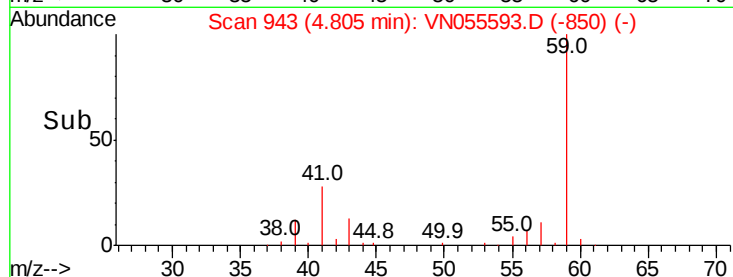
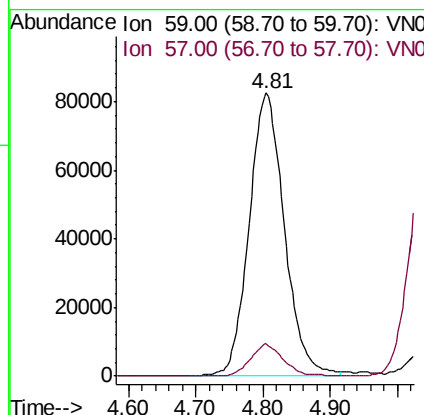
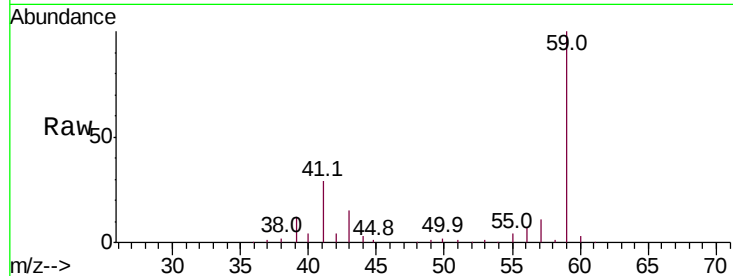
#11
Tert butyl alcohol
Concen: 228.853 ug/l
RT: 4.81 min Scan# 943
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.6	11.4

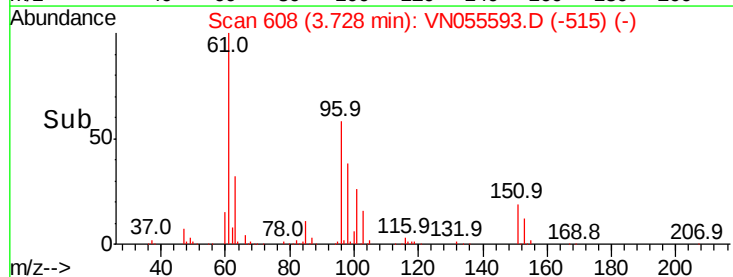
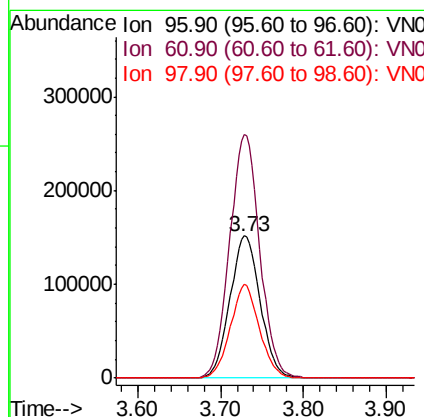
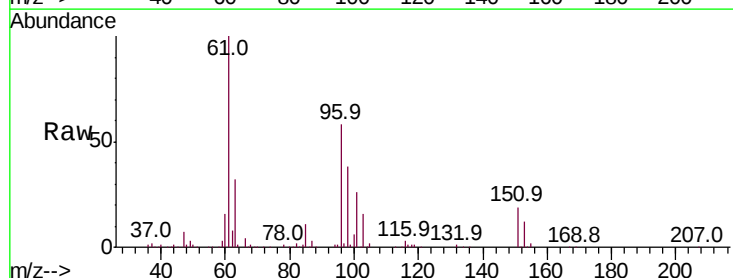
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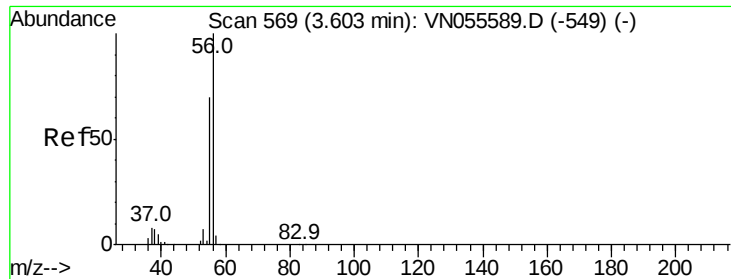
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#12
1,1-Dichloroethene
Concen: 48.408 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	137.5	206.3
98	65.7	50.3	75.5





#13

Acrolein

Concen: 240.206 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion: 56 Resp: 316498

Ion Ratio Lower Upper

56 100

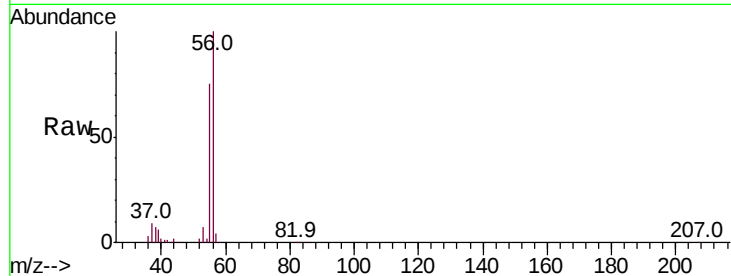
55 73.3 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

150000

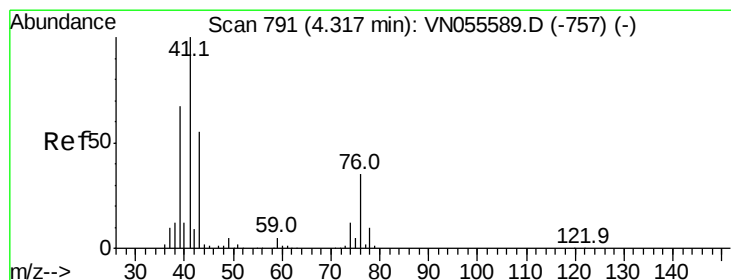
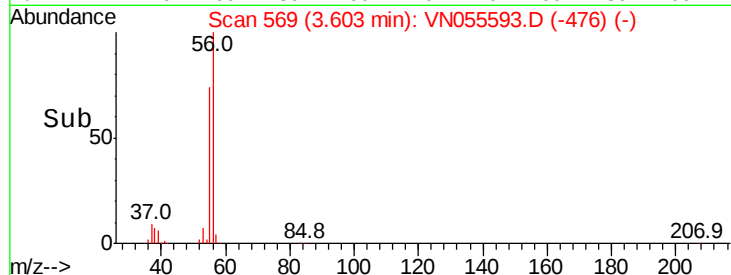
3.60

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 48.433 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

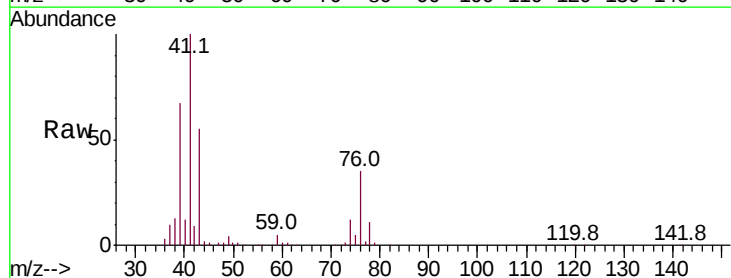
Tgt Ion: 41 Resp: 742301

Ion Ratio Lower Upper

41 100

39 62.0 49.3 73.9

76 31.5 24.7 37.1



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

300000

250000

200000

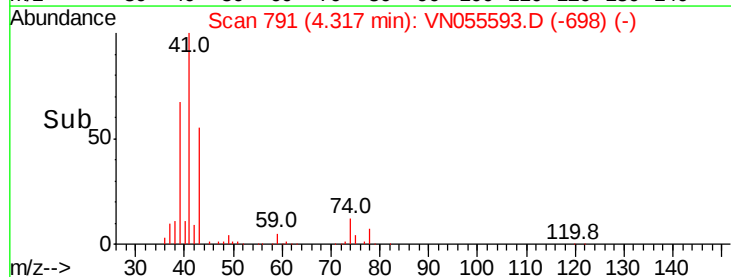
150000

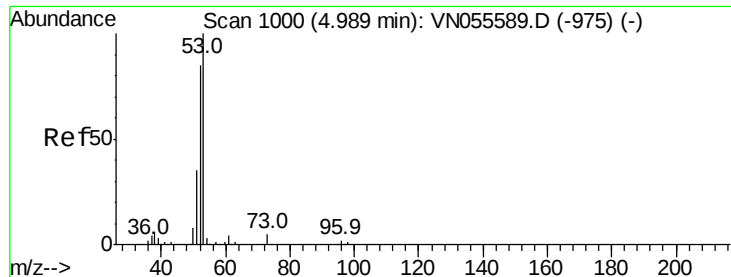
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 249.580 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14MS

Tot Ion: 53 Resp: 1100605

Ion Ratio Lower Upper

53 100

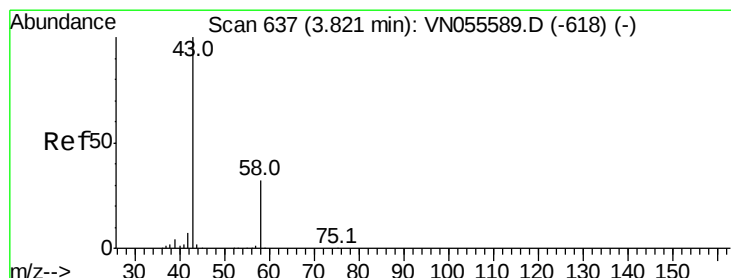
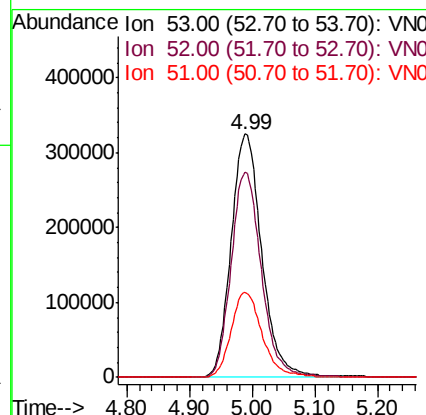
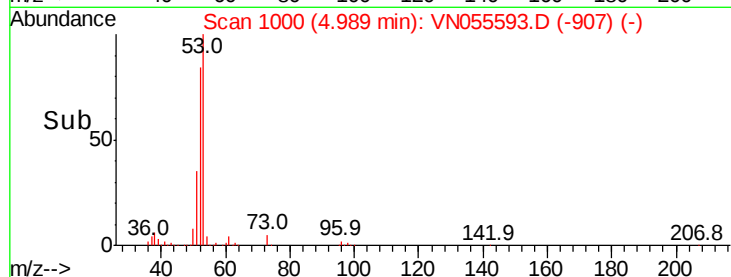
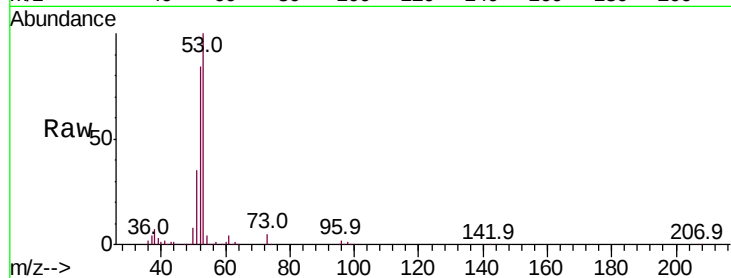
52 83.1 65.6 98.4

51 35.7 28.3 42.5

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#16

Acetone

Concen: 177.696 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055593.D

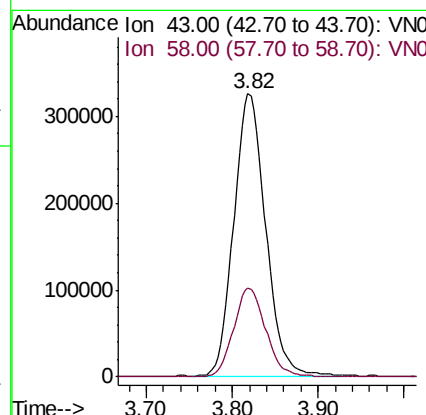
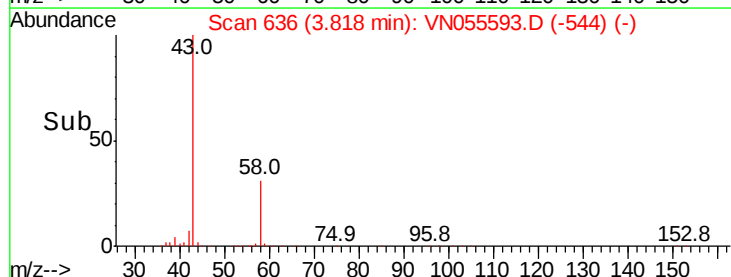
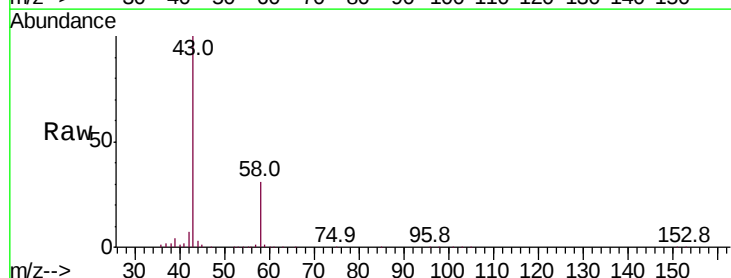
Acq: 14 May 2019 15:01

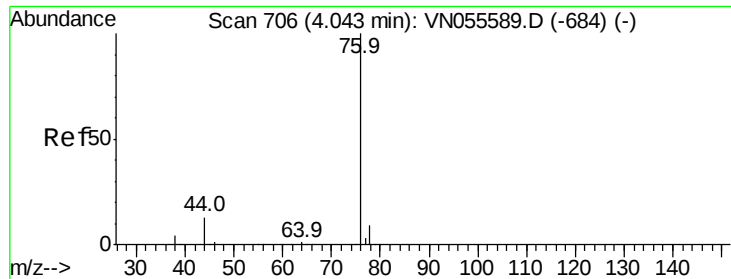
Tgt Ion: 43 Resp: 830728

Ion Ratio Lower Upper

43 100

58 31.4 25.7 38.5





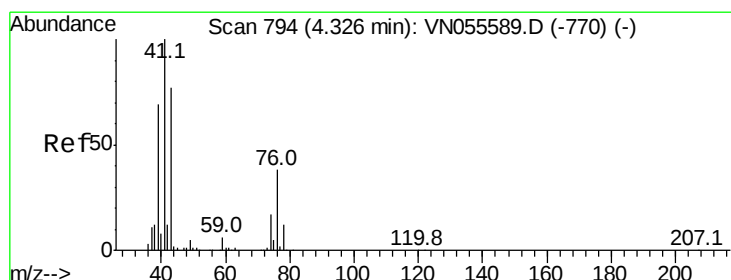
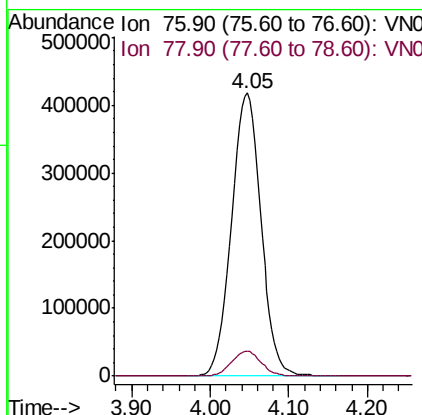
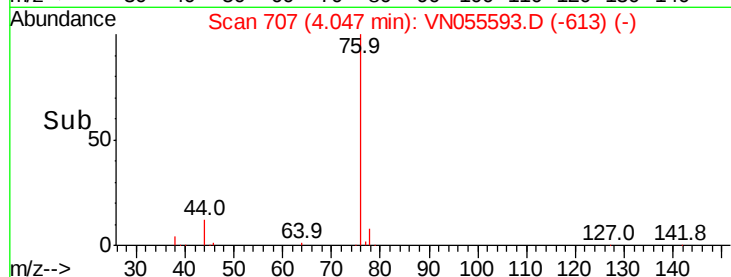
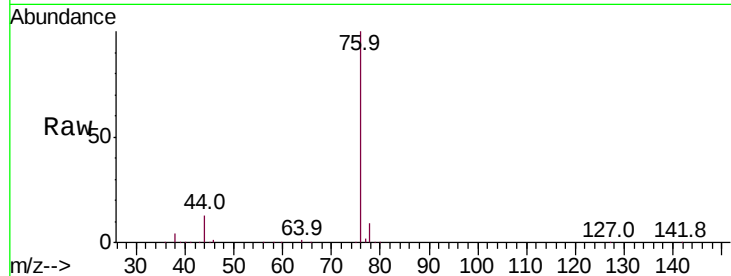
#17
Carbon Disulfide
Concen: 48.001 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion: 76 Resp: 1094238
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

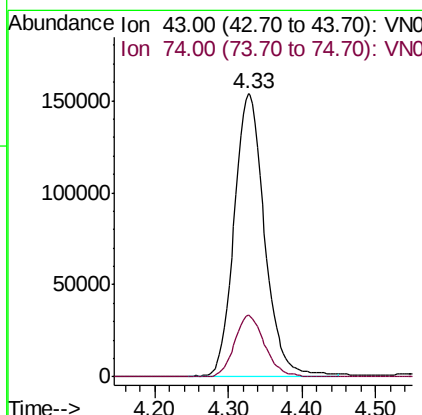
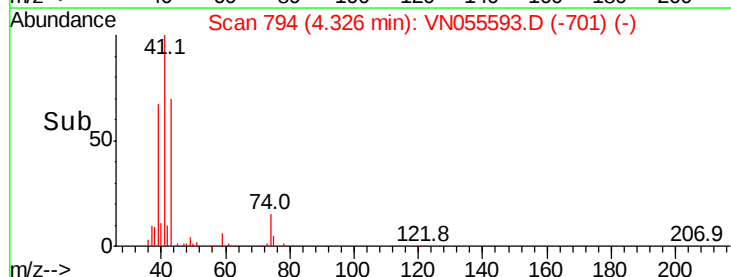
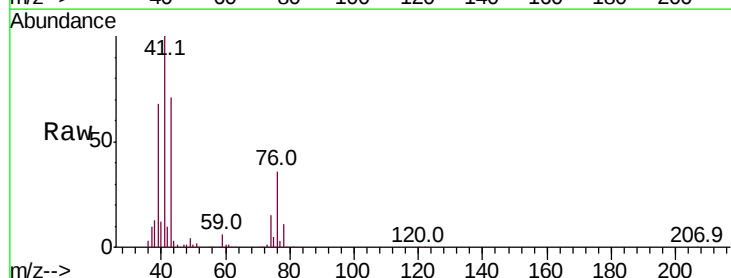
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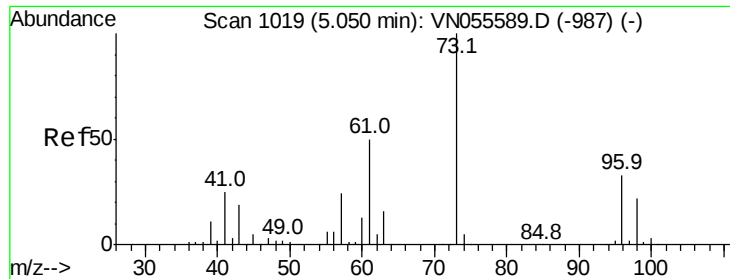
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#18
Methyl Acetate
Concen: 50.036 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion: 43 Resp: 438634
Ion Ratio Lower Upper
43 100
74 21.7 17.4 26.2





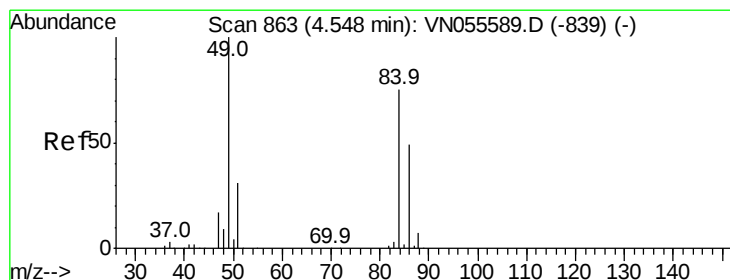
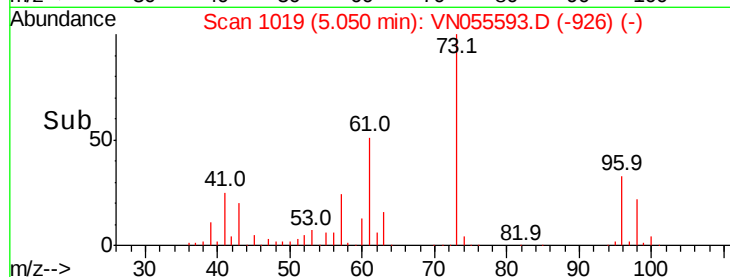
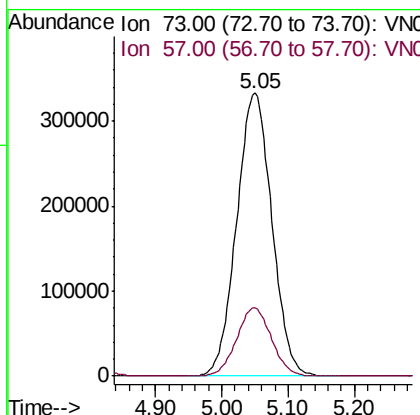
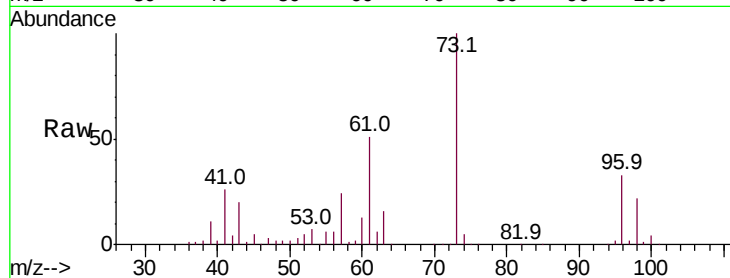
#19
Methvl tert-butvl Ether
Concen: 49.372 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion: 73 Resp: 1226180
Ion Ratio Lower Upper
73 100
57 24.1 18.9 28.3

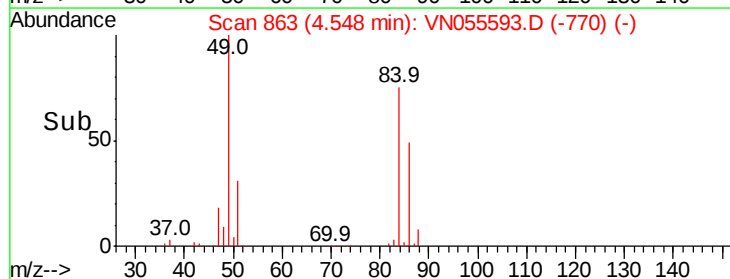
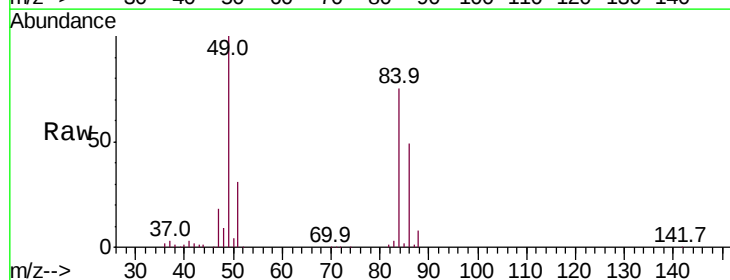
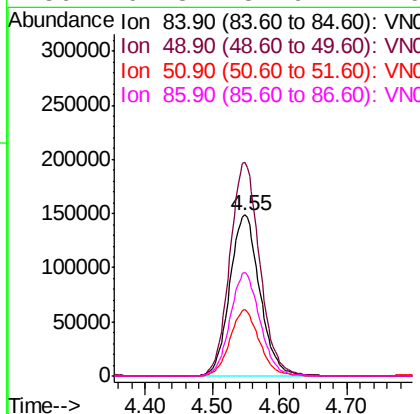
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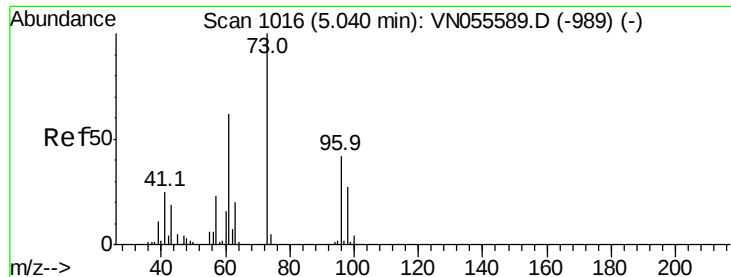
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#20
Methylene Chloride
Concen: 46.932 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion: 84 Resp: 461787
Ion Ratio Lower Upper
84 100
49 132.6 106.2 159.2
51 41.0 32.7 49.1
86 64.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 48.127 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion: 96 Resp: 416163

Ion Ratio Lower Upper

96 100

61 146.5 117.8 176.6

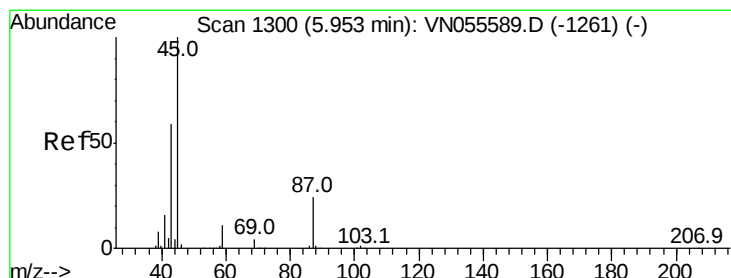
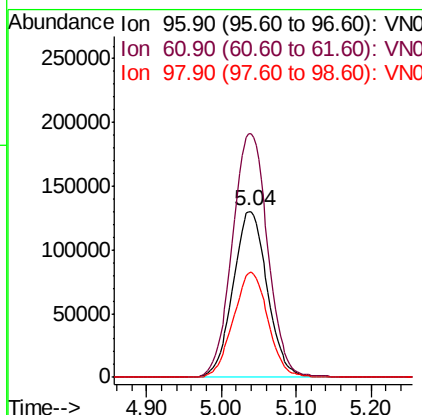
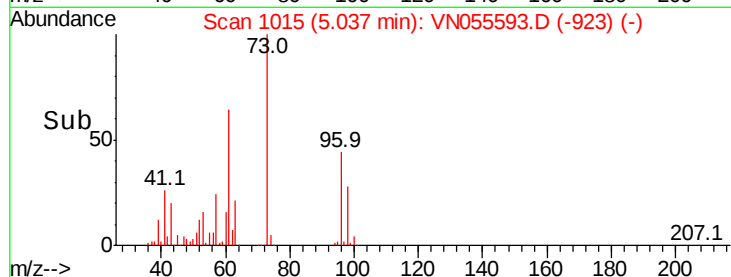
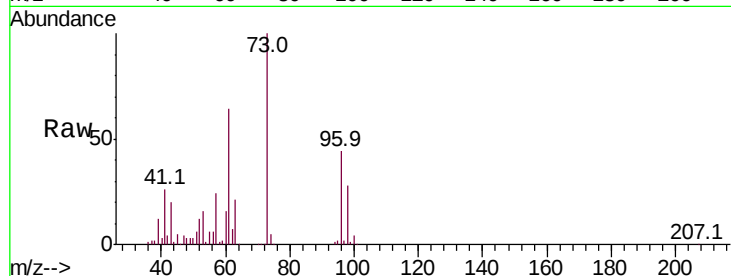
98 63.1 51.4 77.2

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#22

Diisopropyl ether

Concen: 49.646 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Tgt Ion: 45 Resp: 1528268

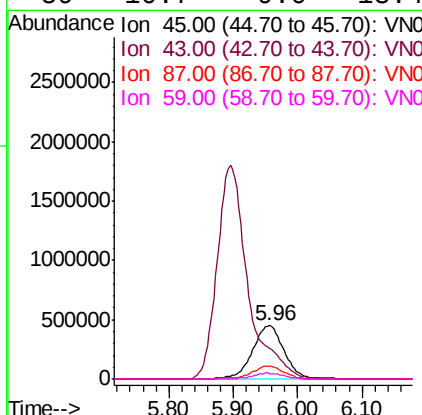
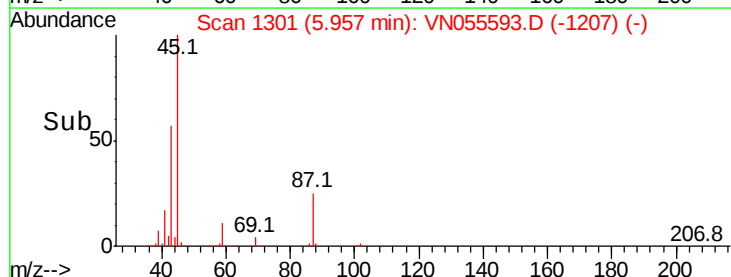
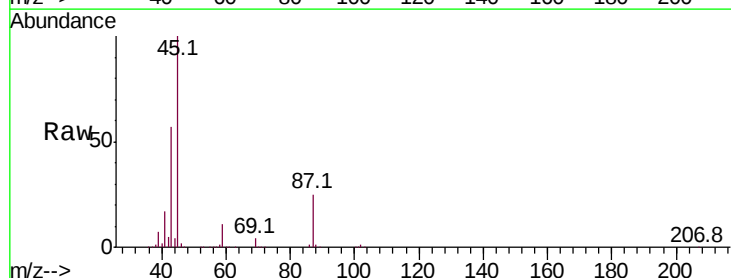
Ion Ratio Lower Upper

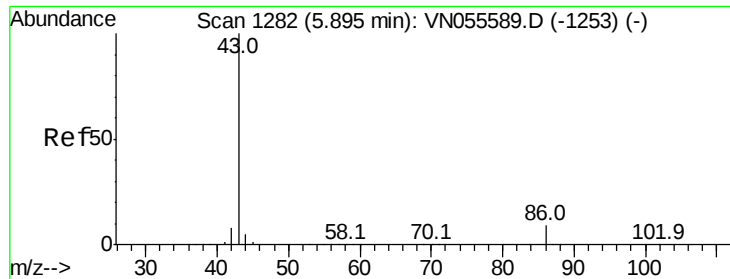
45 100

43 56.4 47.1 70.7

87 24.5 19.5 29.3

59 10.7 9.0 13.4





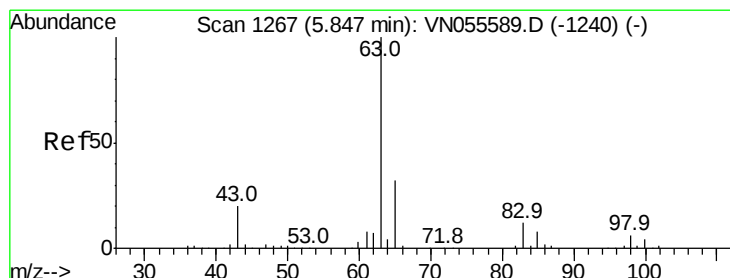
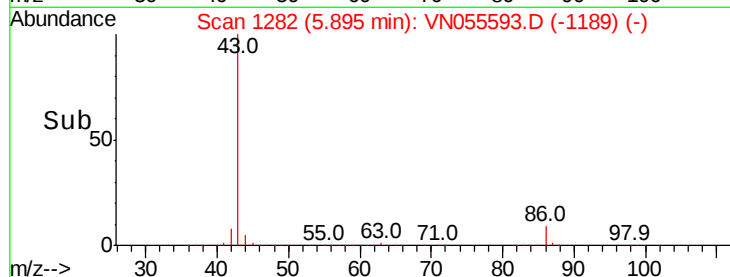
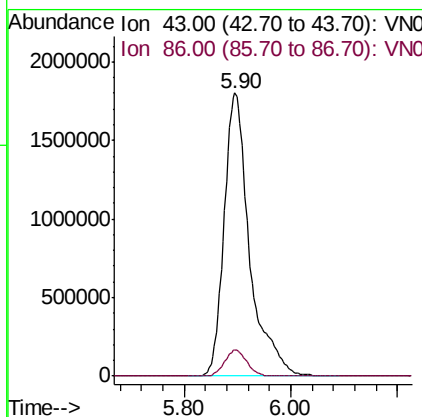
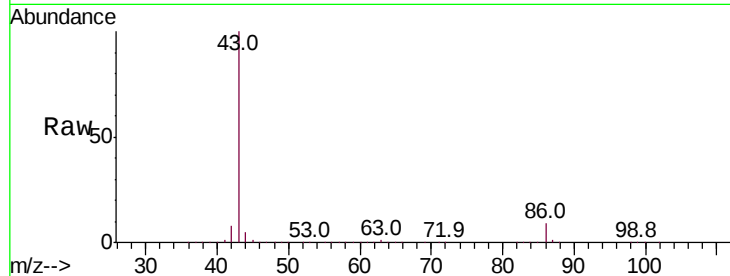
#23
 Vinyl Acetate
 Concen: 259.402 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

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

Tot Ion: 43 Resp: 5983224
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.0

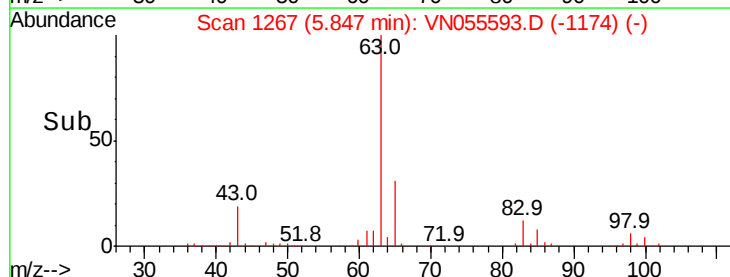
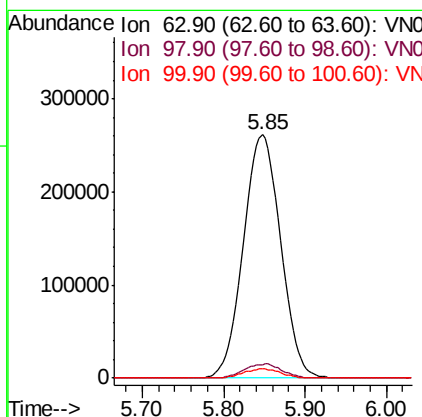
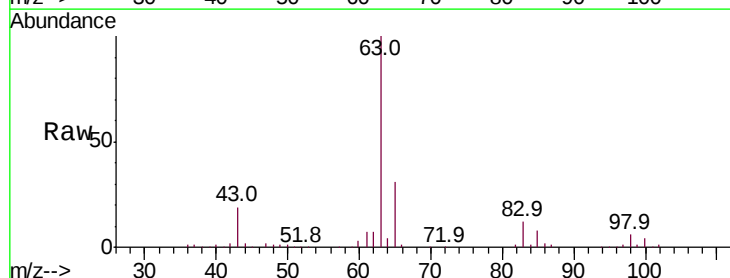
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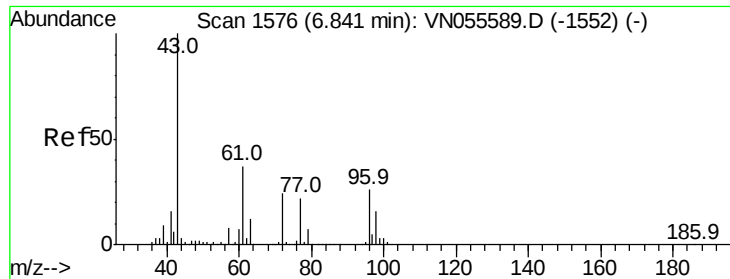
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#24
 1,1-Dichloroethane
 Concen: 48.315 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

Tgt Ion: 63 Resp: 826020
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 3.8 2.1 6.3





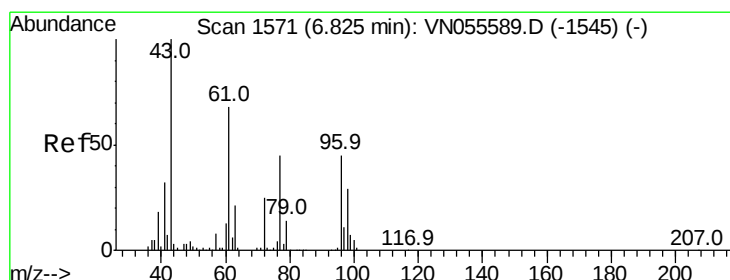
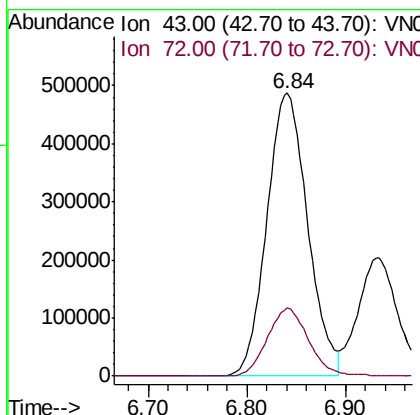
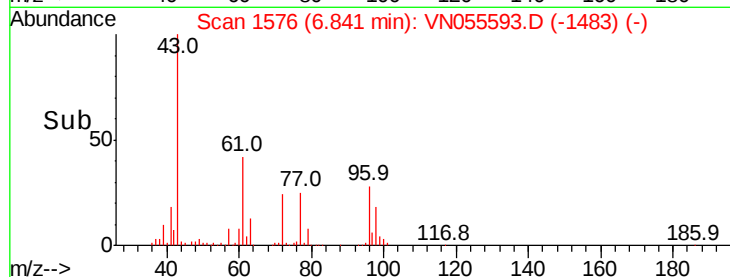
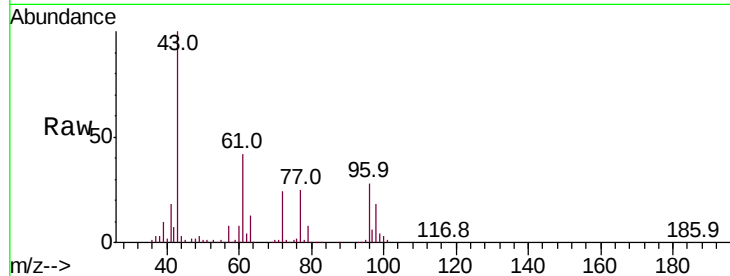
#25
2-Butanone
Concen: 227.509 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion: 43 Resp: 1393955
Ion Ratio Lower Upper
43 100
72 24.1 19.5 29.3

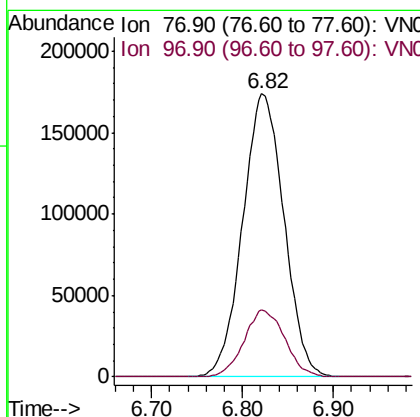
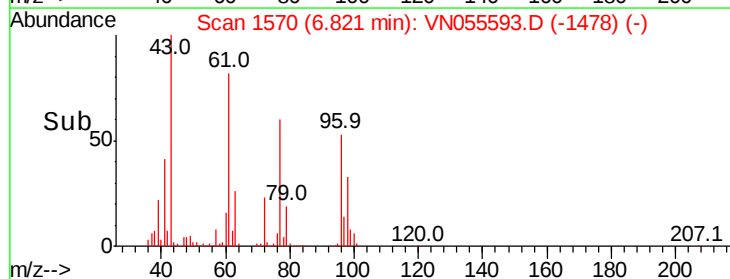
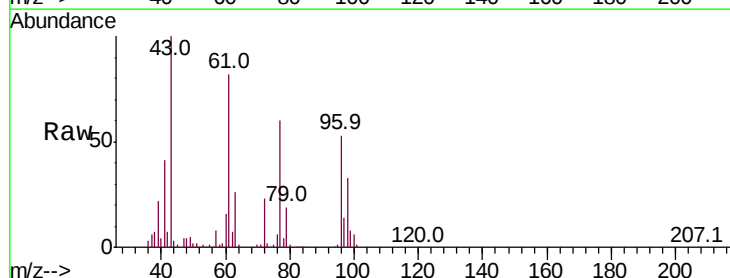
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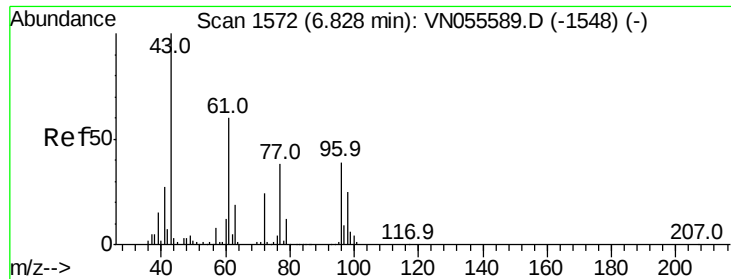
MMDadoda
5/16/2019 1:27:30 PM



#26
2,2-Dichloropropane
Concen: 49.580 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion: 77 Resp: 547462
Ion Ratio Lower Upper
77 100
97 23.4 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 47.854 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

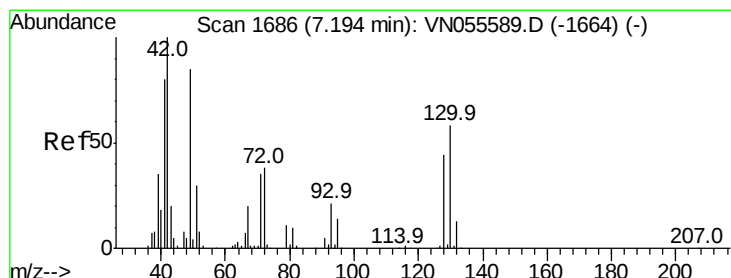
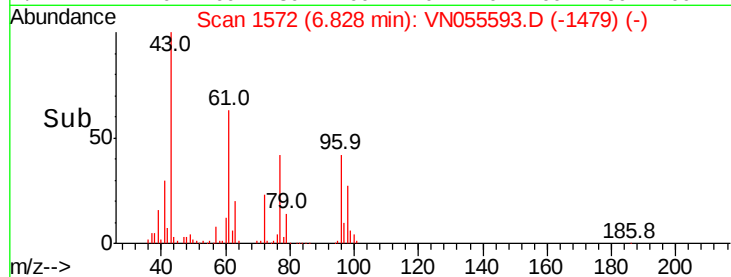
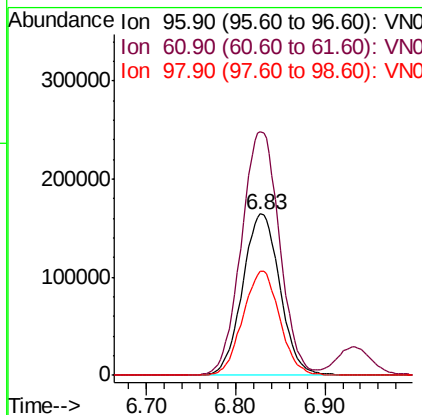
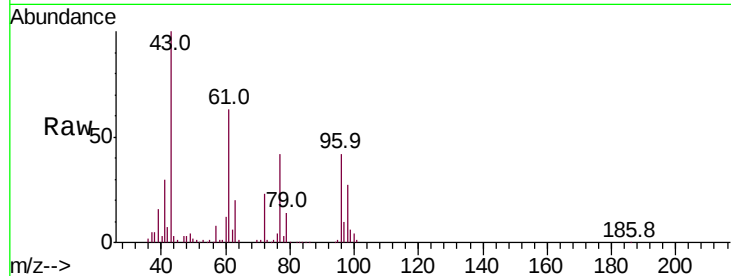
ClientSampleId :

KR-02_4-14MS

Tot Ion:	96	Resp:	479396
Ion Ratio	Lower	Upper	
96	100		
61	154.5	0.0	305.0
98	63.9	0.0	128.2

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#28

Bromochloromethane

Concen: 119.134 ug/l

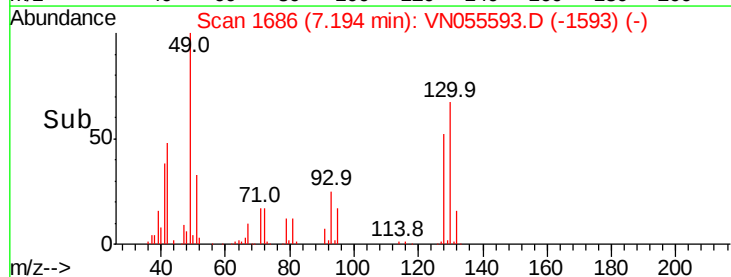
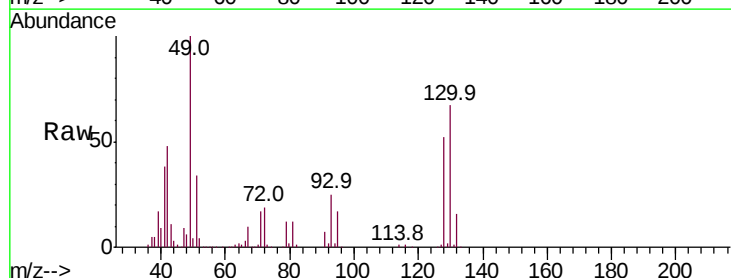
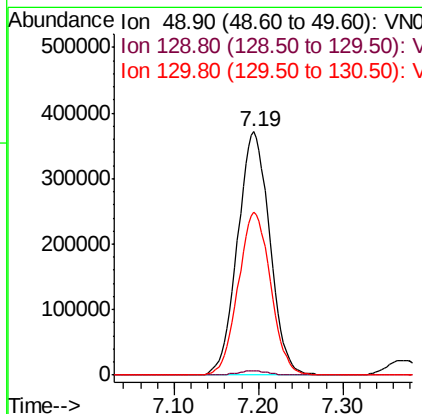
RT: 7.19 min Scan# 1686

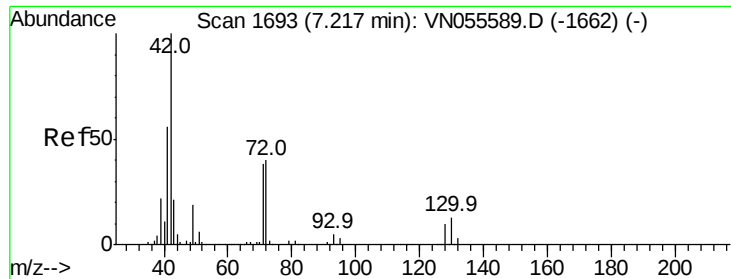
Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Tgt Ion:	49	Resp:	989267
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.6
130	67.4	52.4	78.6





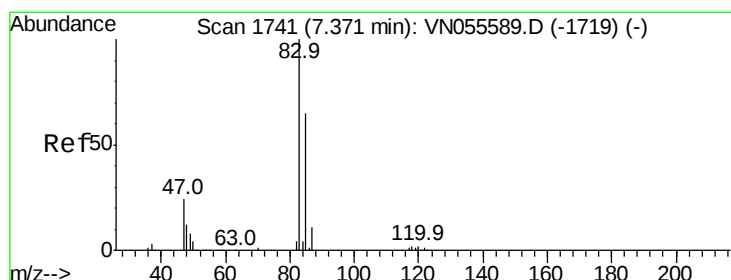
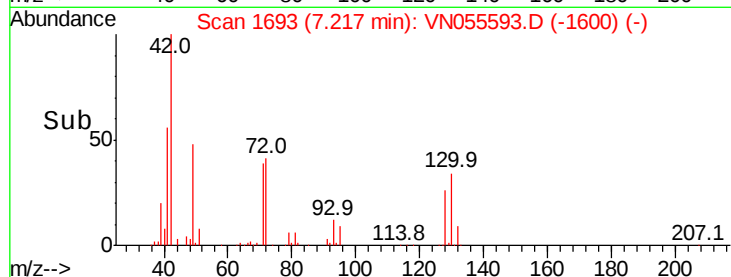
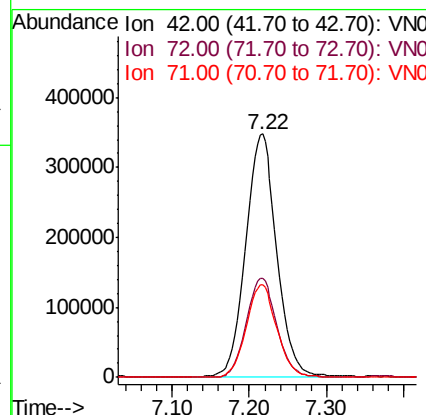
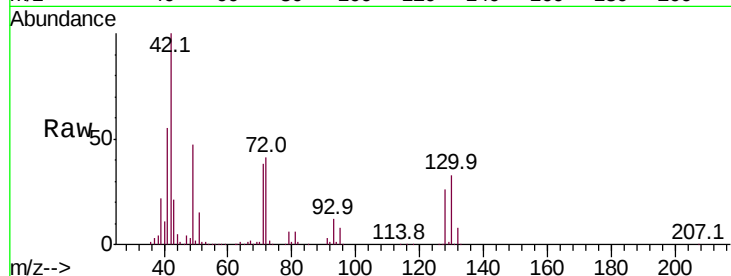
#29
Tetrahydrofuran
Concen: 243.837 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.4	47.2
71	37.7	29.9	44.9

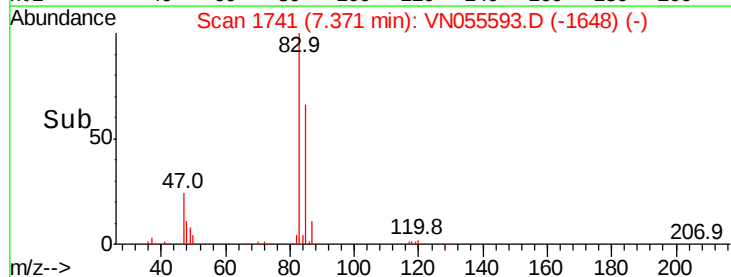
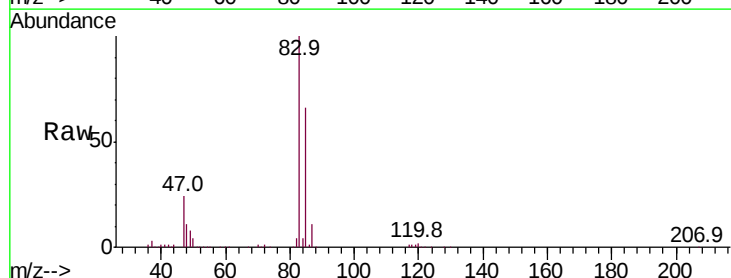
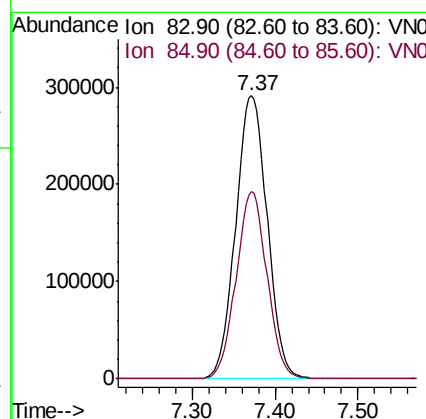
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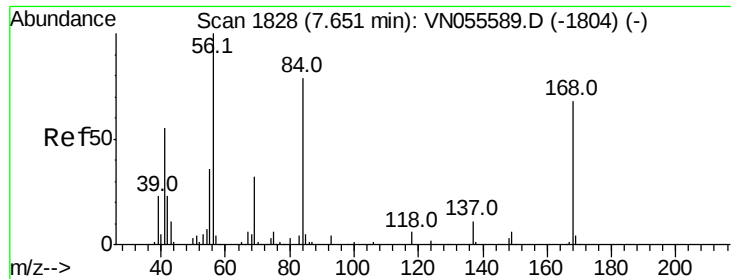
MMDadoda
5/16/2019 1:27:30 PM



#30
Chloroform
Concen: 48.258 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.9	77.9





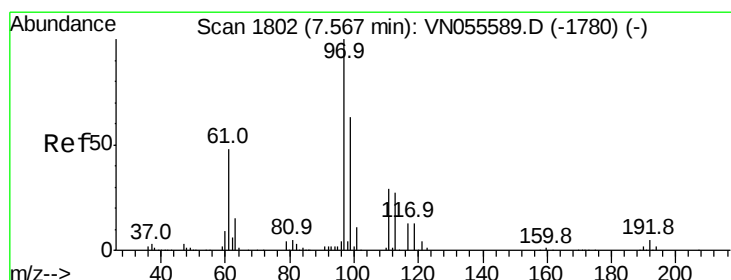
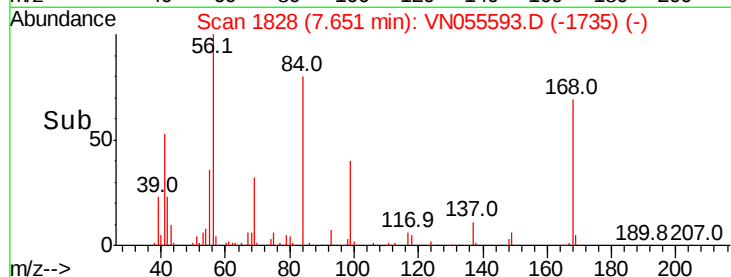
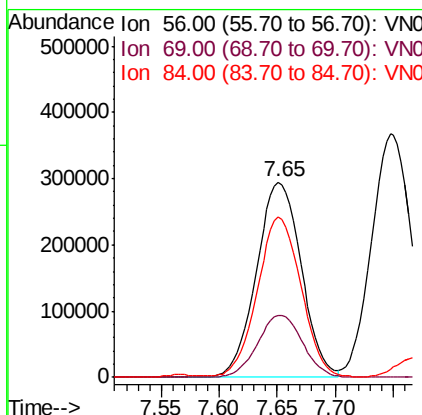
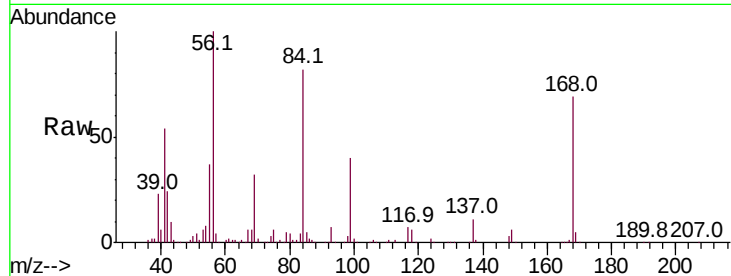
#31
Cyclohexane
Concen: 46.588 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.7	38.5
84	80.7	63.4	95.0

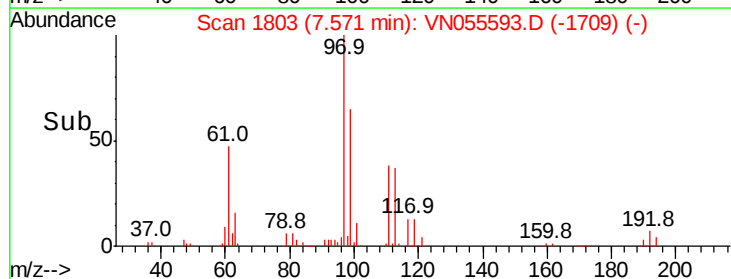
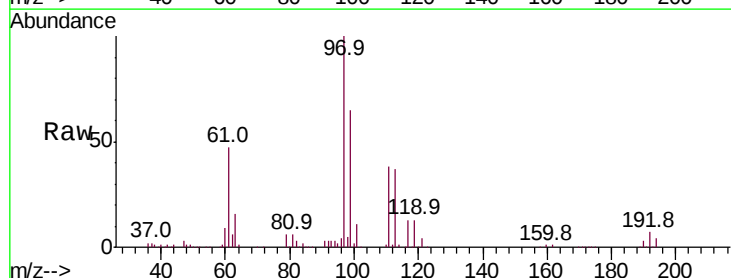
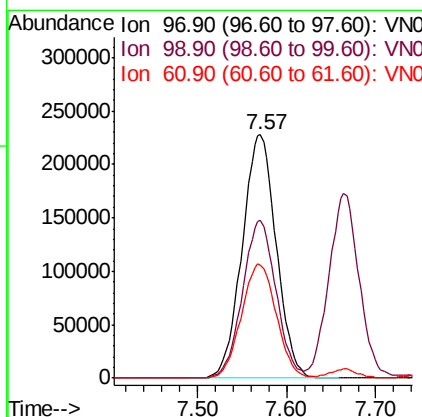
Manual Integrations
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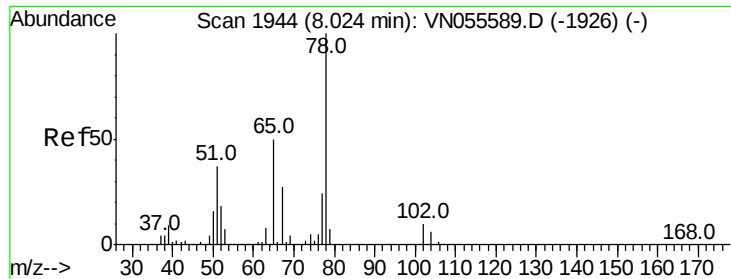
MMDadoda
5/16/2019 1:27:30 PM



#32
1,1,1-Trichloroethane
Concen: 48.797 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	48.2	38.7	58.1





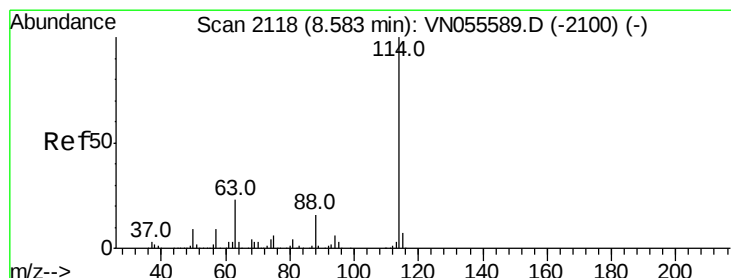
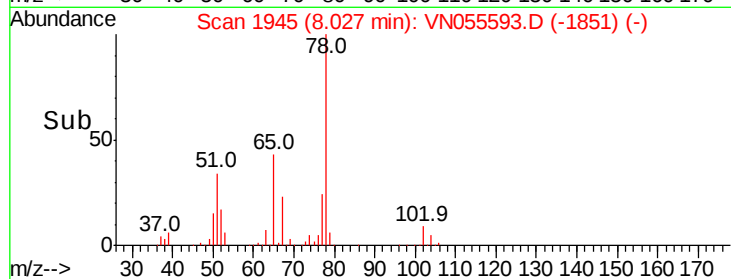
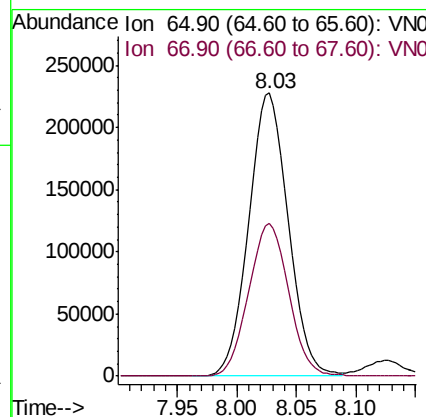
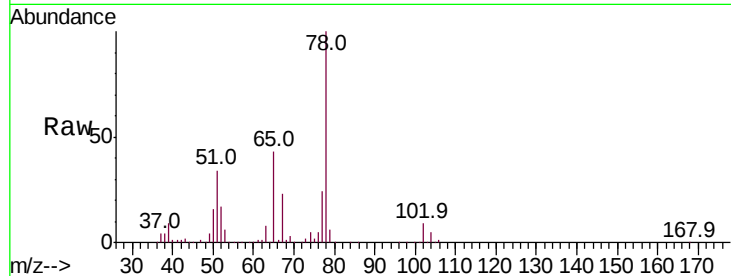
#33
 1,2-Dichloroethane-d4
 Concen: 50.971 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	109.8	

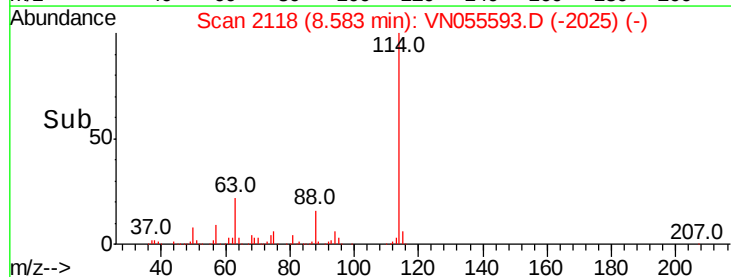
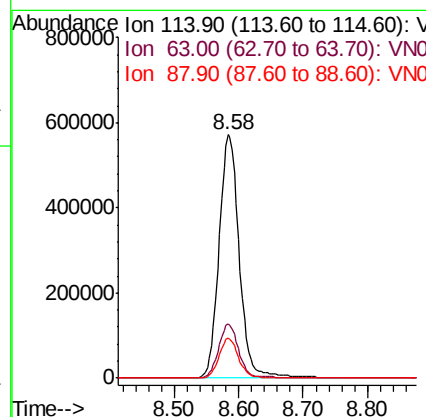
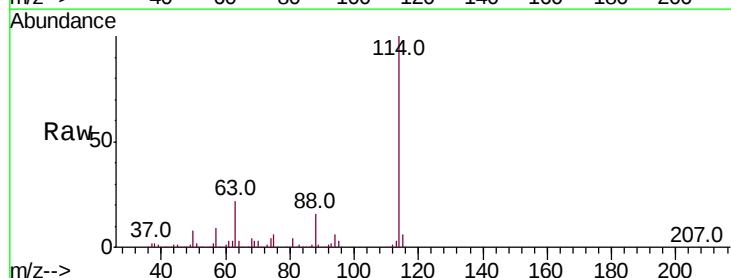
Manual Integrations
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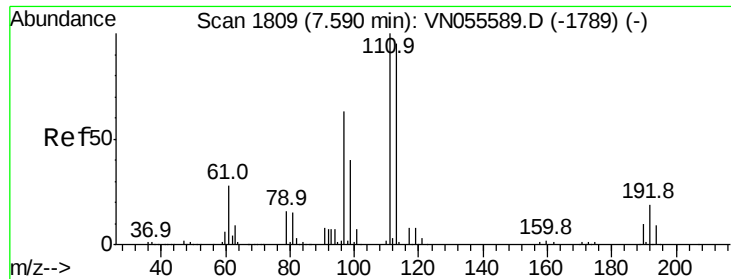
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	45.8	
88	16.3	0.0	32.6	





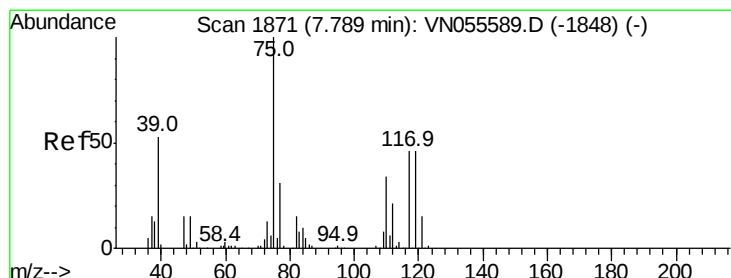
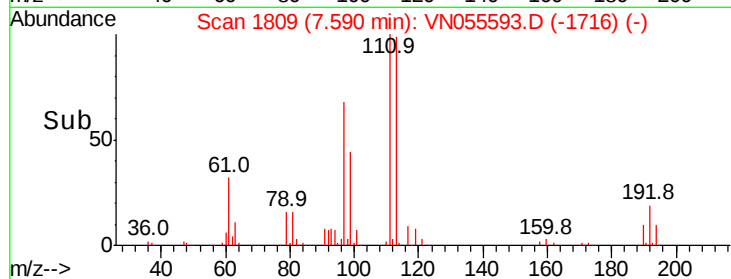
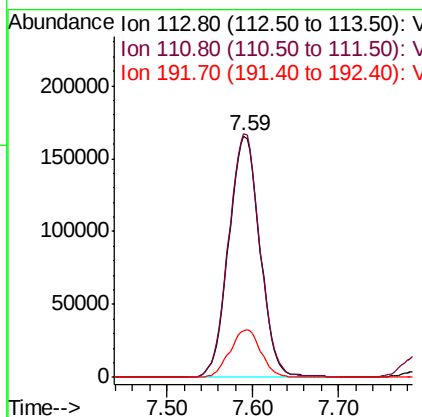
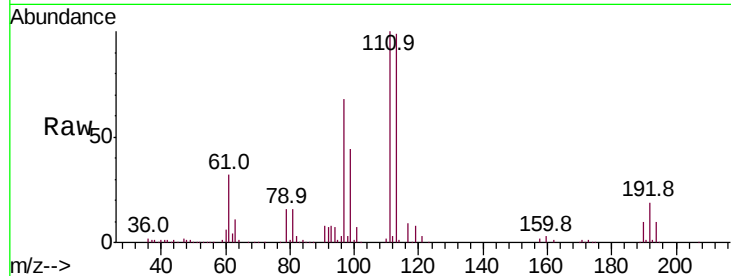
#35
Dibromofluoromethane
Concen: 51.163 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	417595		
111	100.7	83.5	125.3	
192	19.6	16.0	24.0	

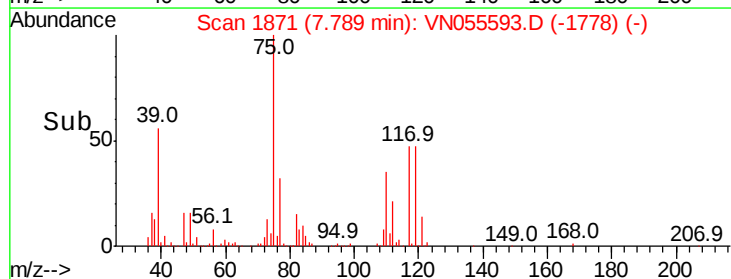
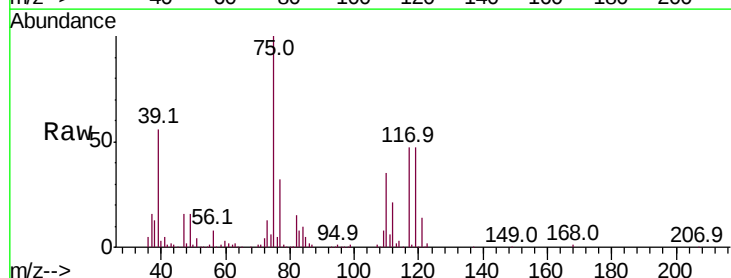
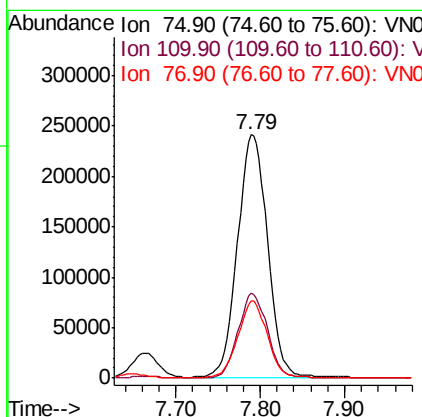
Manual Integrations
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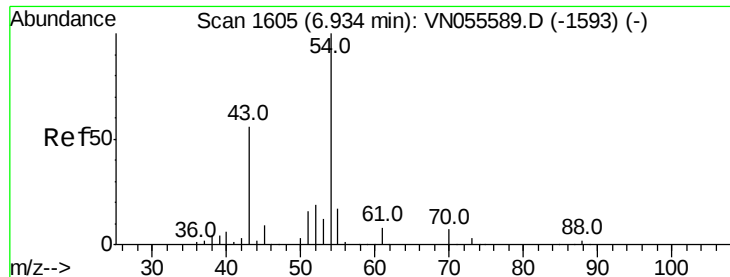
MMDadoda
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#36
1,1-Dichloropropene
Concen: 47.964 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	597332		
110	34.4	16.9	50.7	
77	31.6	24.9	37.3	





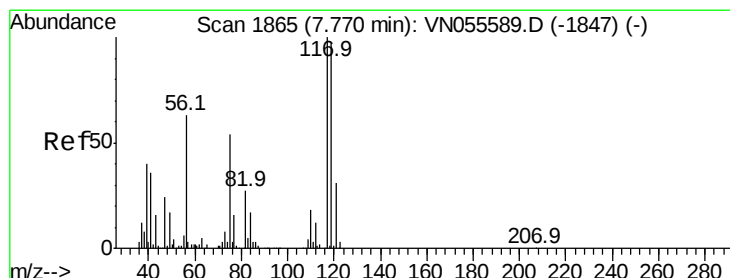
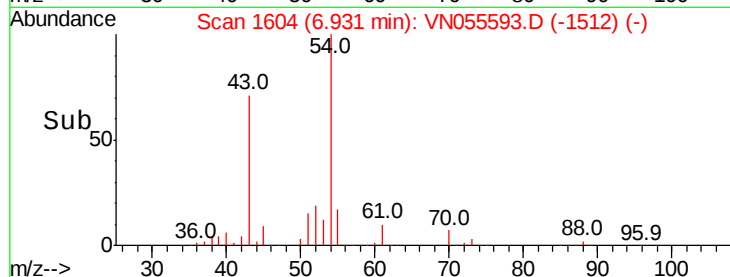
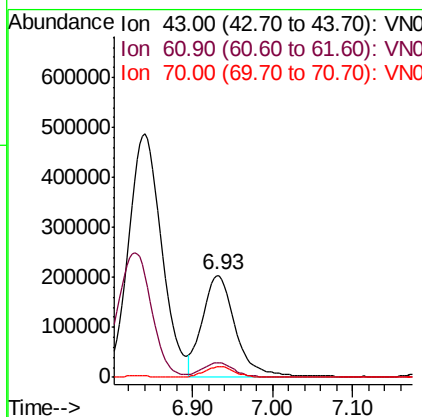
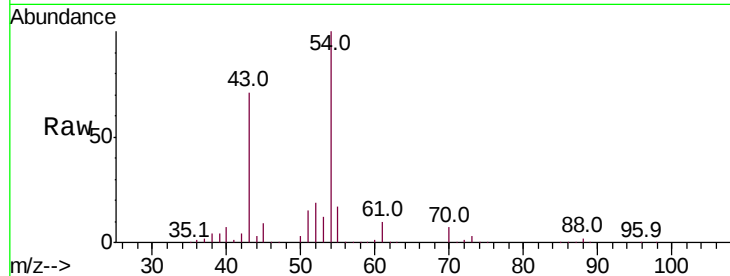
#37
Ethyl Acetate
Concen: 49.695 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.8	16.2
70	9.6	7.4	11.2

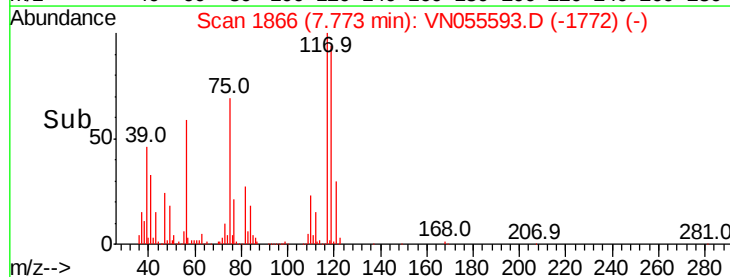
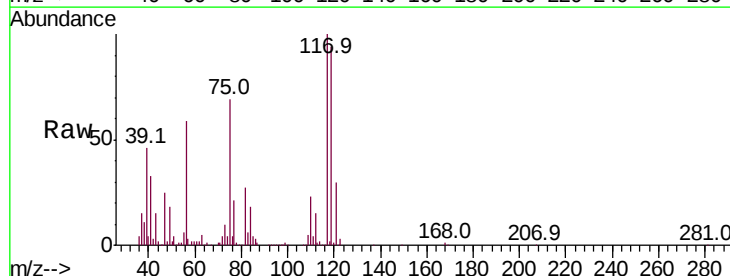
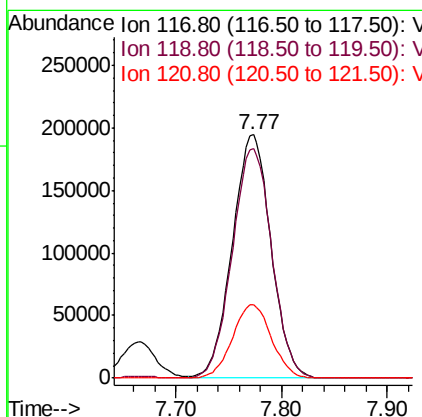
Manual Integrations
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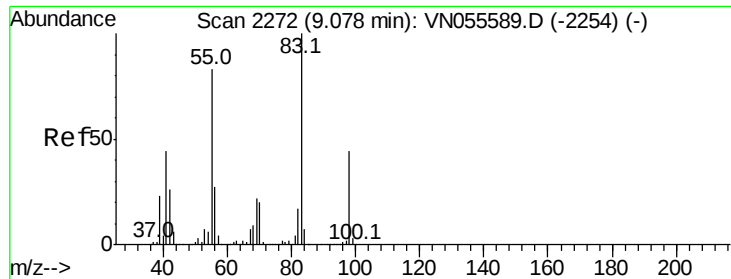
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#38
Carbon Tetrachloride
Concen: 47.925 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.1	115.7
121	30.1	24.4	36.6





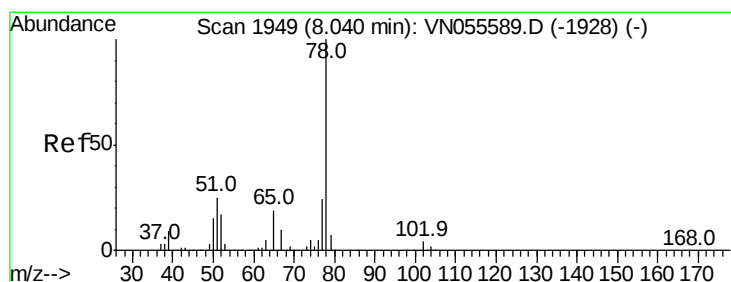
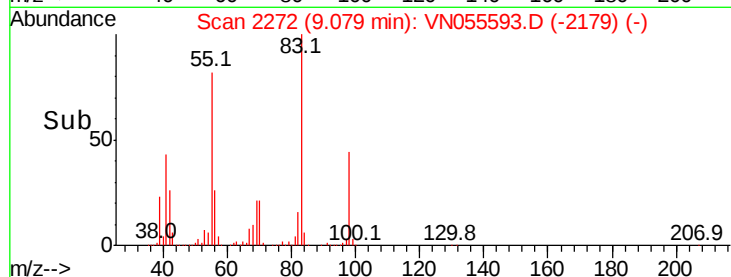
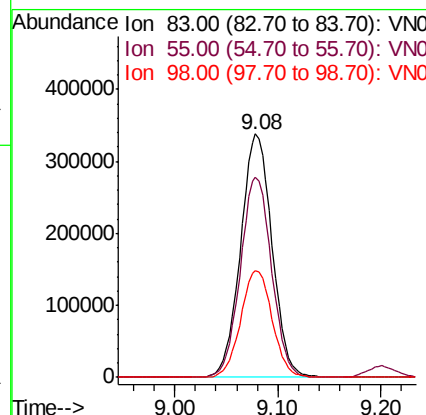
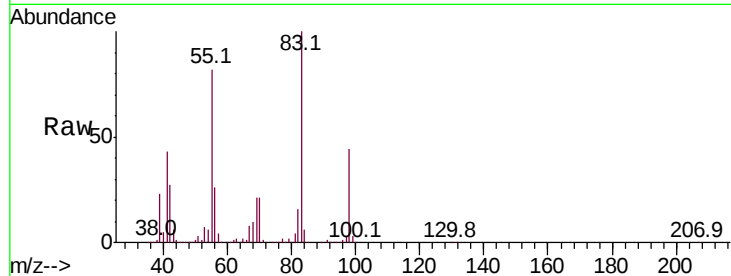
#39
Methylvlcvclohexane
Concen: 48.848 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.2	66.3	99.5	
98	43.9	34.8	52.2	

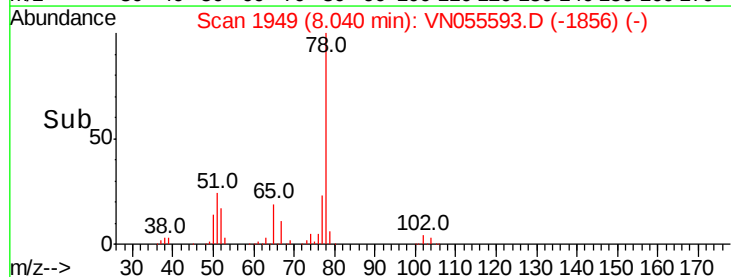
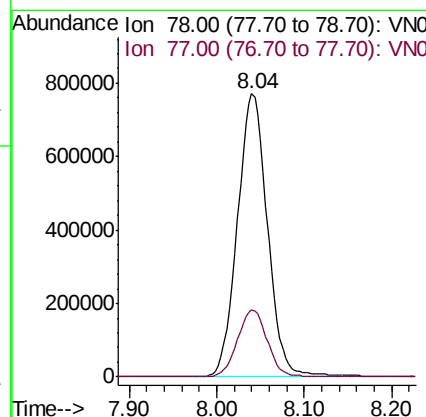
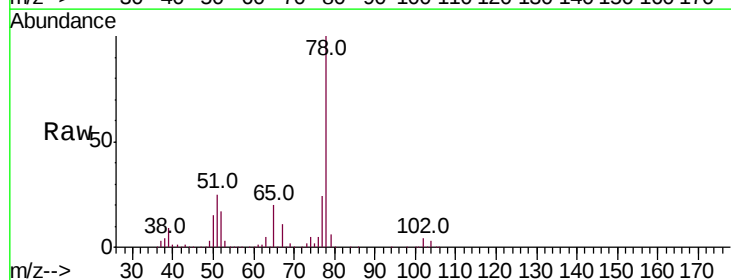
Manual Integrations
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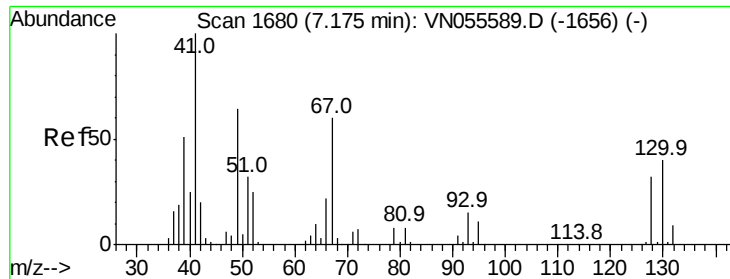
MMDadoda
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#40
Benzene
Concen: 48.269 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





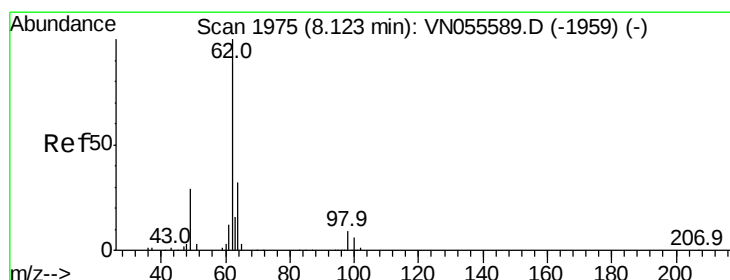
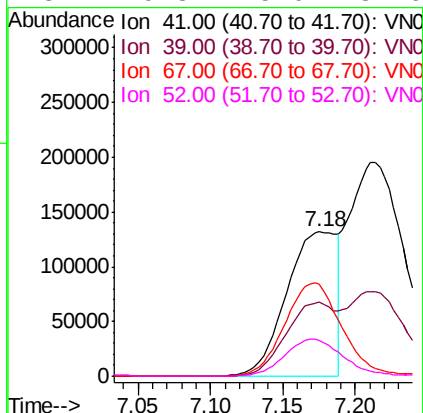
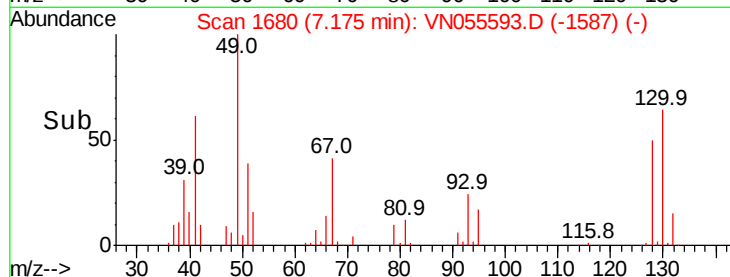
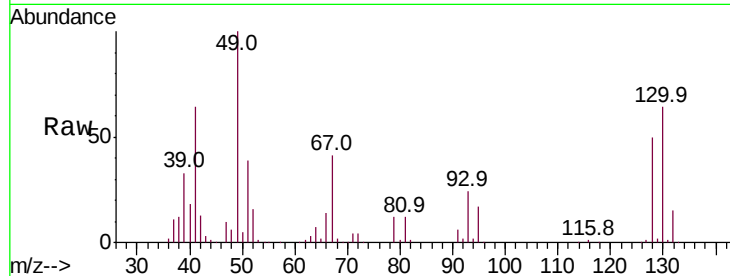
#41
Methacrylonitrile
Concen: 59.795 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.9	44.1	66.1
67	74.0	63.4	95.0
52	29.3	25.0	37.6

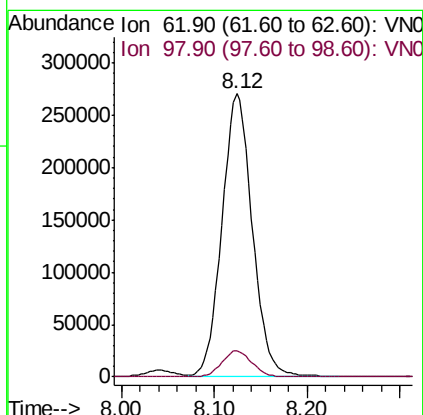
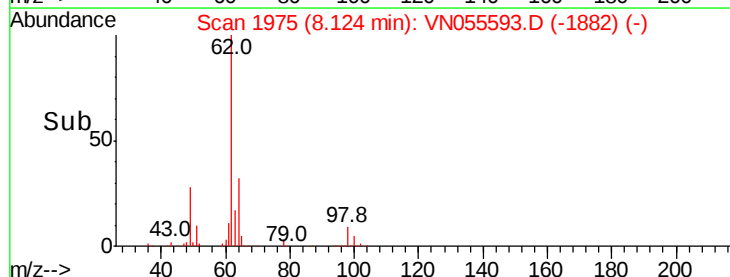
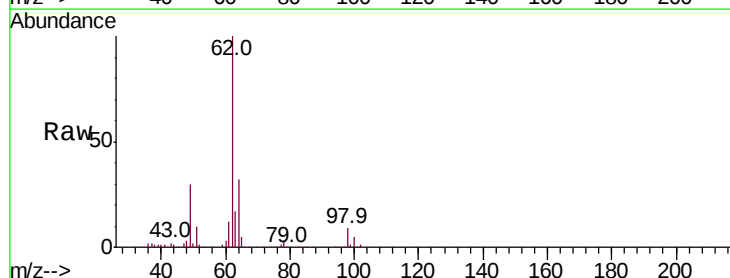
Manual Integrations
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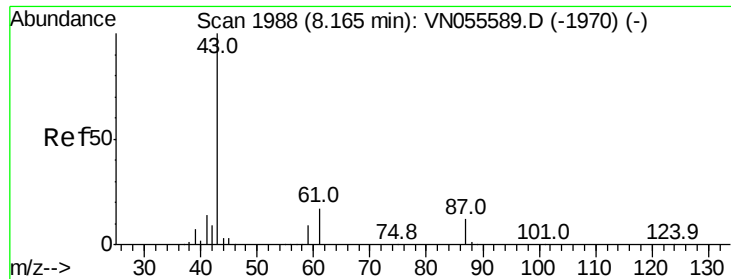
MMDadoda
5/16/2019 1:27:30 PM



#42
1,2-Dichloroethane
Concen: 48.206 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0





#43

Isopropyl Acetate

Concen: 50.122 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

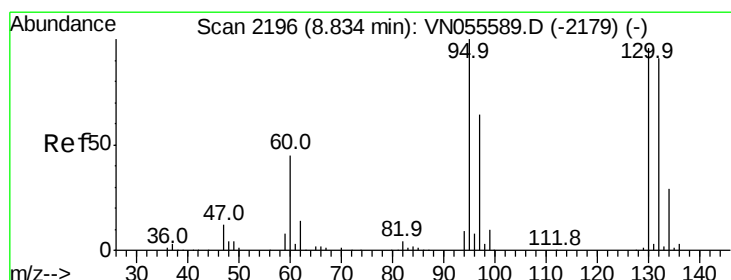
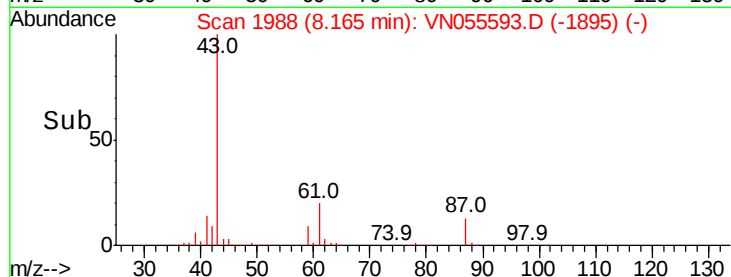
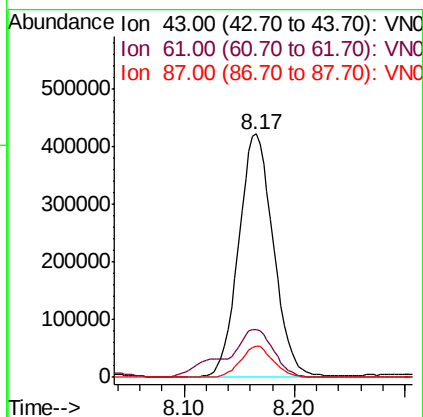
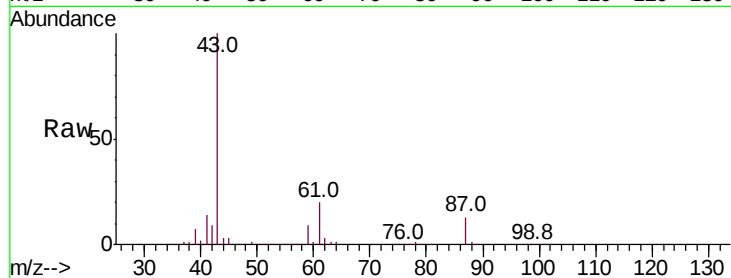
ClientSampleId :

KR-02_4-14MS

Tot Ion:	43	Resp:	917247
Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.1	24.1
87	12.2	9.6	14.4

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#44

Trichloroethene

Concen: 48.665 ug/l

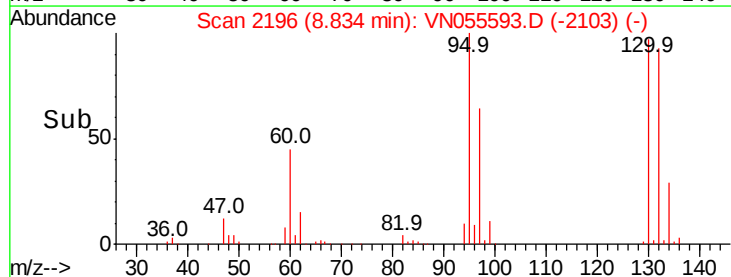
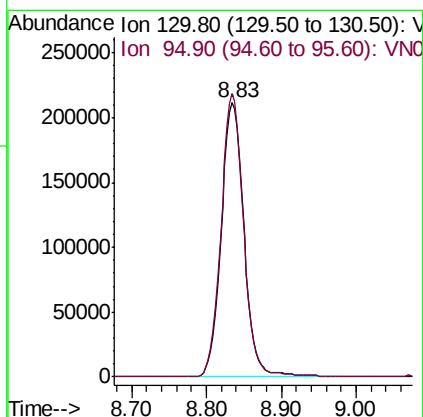
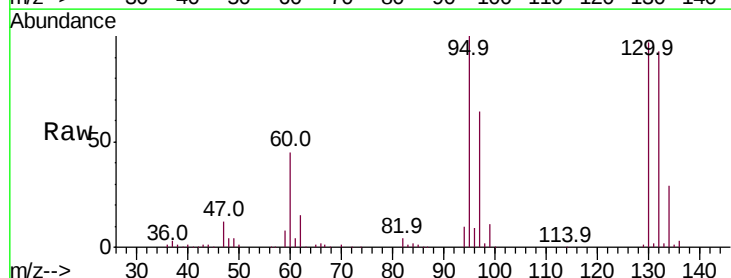
RT: 8.83 min Scan# 2196

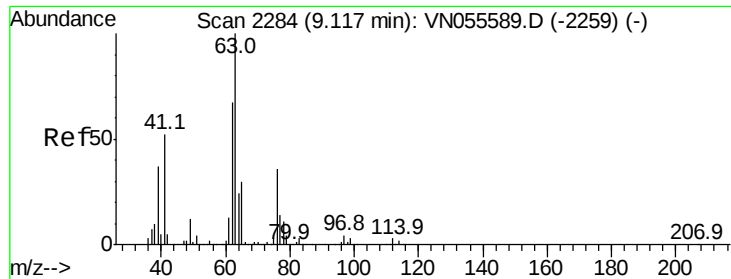
Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Tgt Ion:	130	Resp:	445117
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	208.6





#45

1,2-Dichloropropane

Concen: 49.314 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion: 63 Resp: 516920

Ion Ratio Lower Upper

63 100

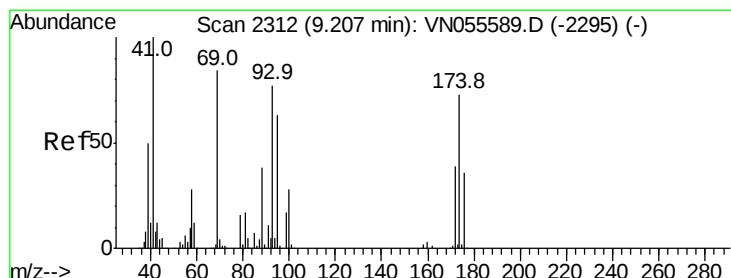
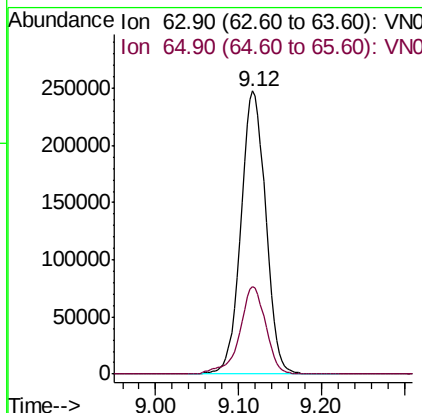
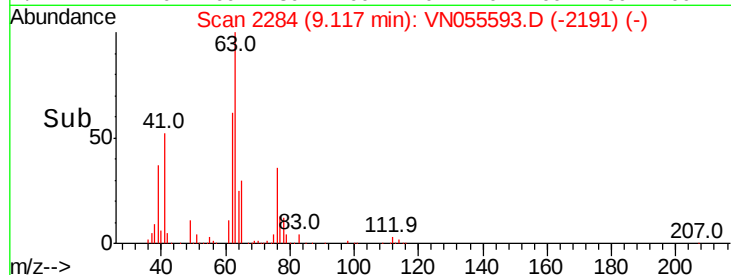
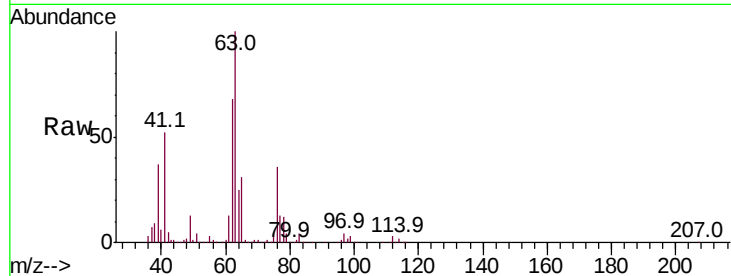
65 31.1 24.1 36.1

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#46

Dibromomethane

Concen: 48.113 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

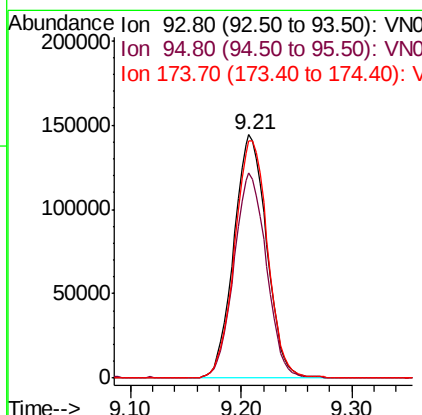
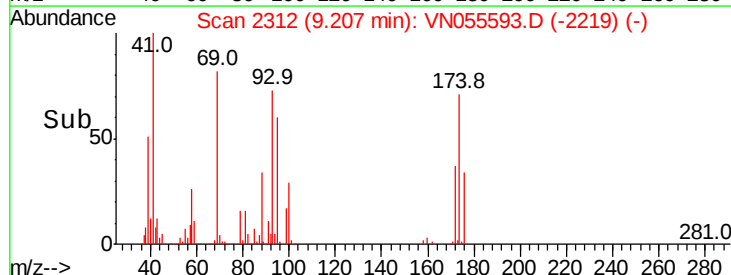
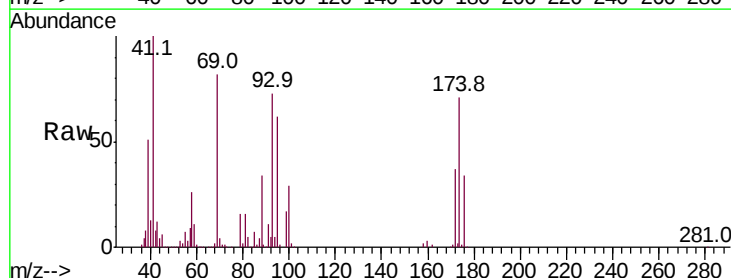
Tgt Ion: 93 Resp: 297851

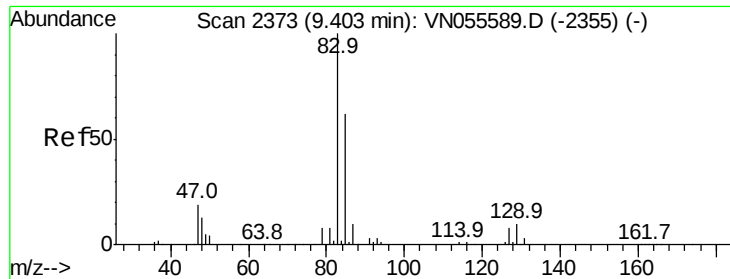
Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

174 98.2 78.4 117.6





#47

Bromodichloromethane

Concen: 49.384 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

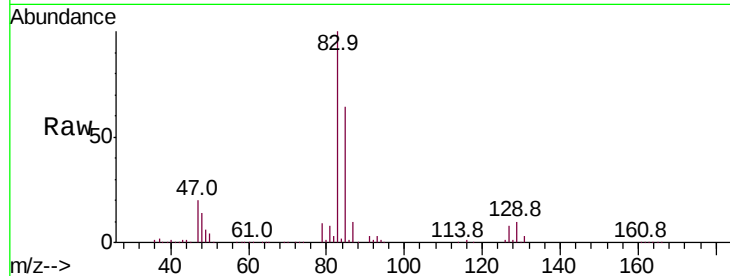
ClientSampleId :

KR-02_4-14MS

Tot Ion	83	Resp	582785
Ion Ratio	Lower	Upper	
83	100		
85	63.6	49.6	74.4
127	8.1	6.6	9.8

Manual Integrations
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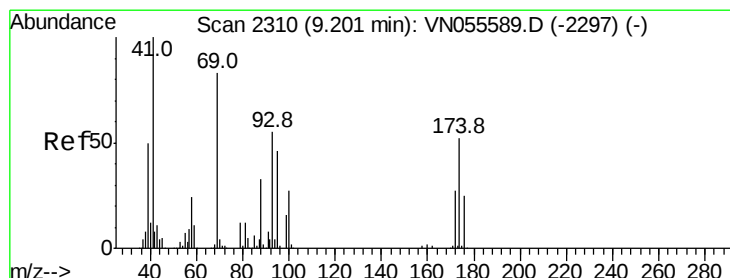
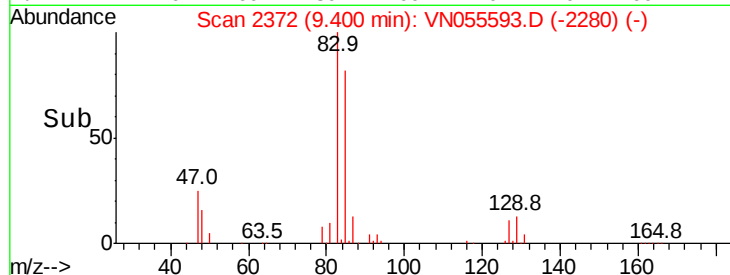
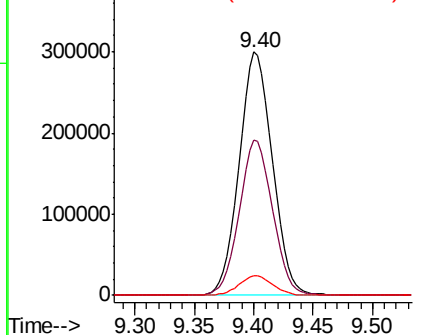
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Abundance Ion 82.90 (82.60 to 83.60): VN055589.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN055589.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN055589.D (-2355) (-)



#48

Methyl methacrylate

Concen: 49.260 ug/l

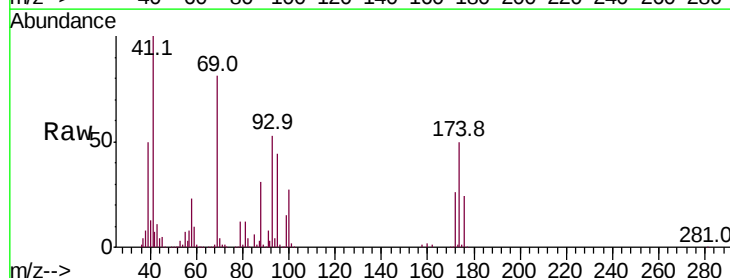
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

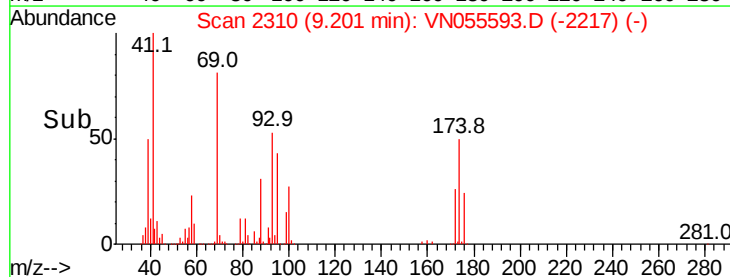
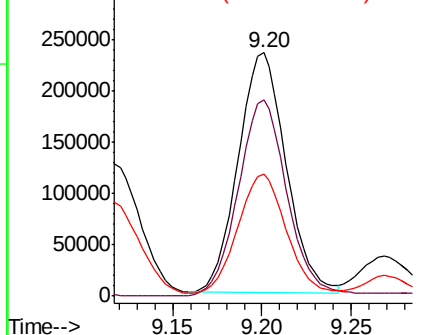
Tgt Ion	41	Resp	440374
Ion Ratio	Lower	Upper	
41	100		
69	83.9	65.7	98.5
39	52.0	40.2	60.4

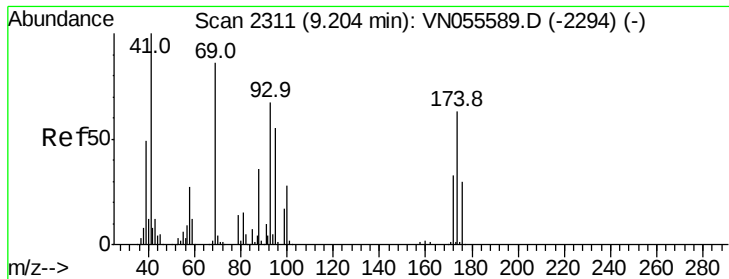


Abundance Ion 41.00 (40.70 to 41.70): VN055589.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055589.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055589.D (-2297) (-)





#49

1,4-Dioxane

Concen: 945.142 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

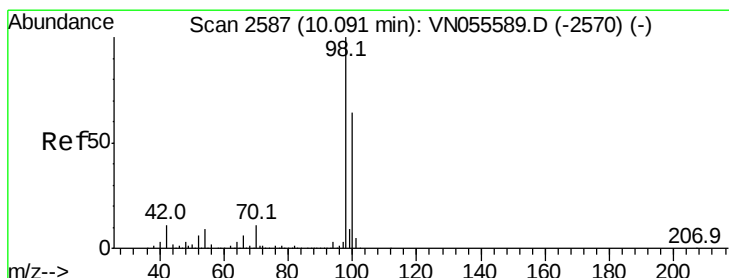
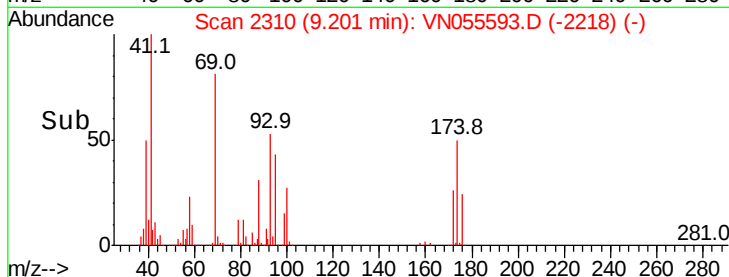
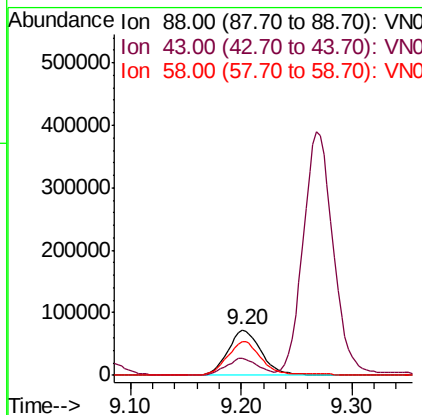
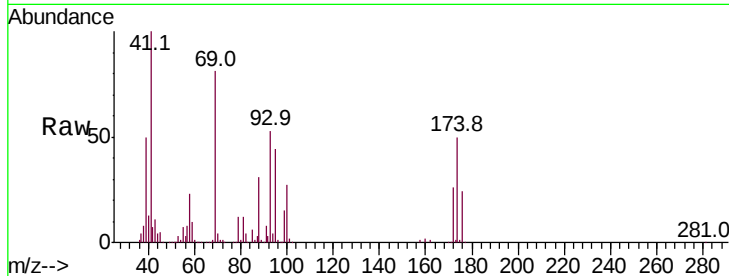
ClientSampleId :

KR-02_4-14MS

Tot Ion:	88	Resp:	154420
Ion	Ratio	Lower	Upper
88	100		
43	34.0	25.4	38.0
58	73.5	59.4	89.2

Manual Integrations
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#50

Toluene-d8

Concen: 52.020 ug/l

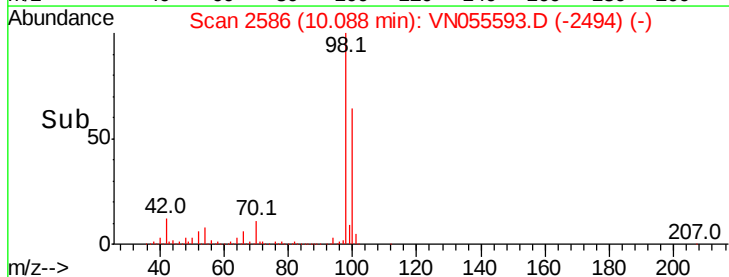
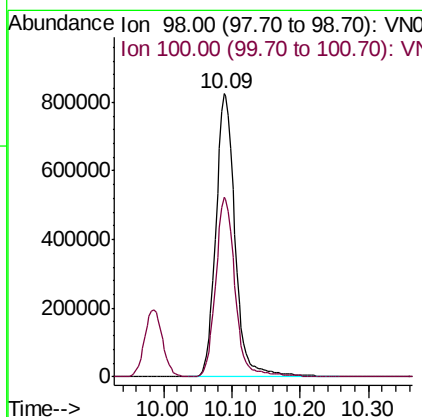
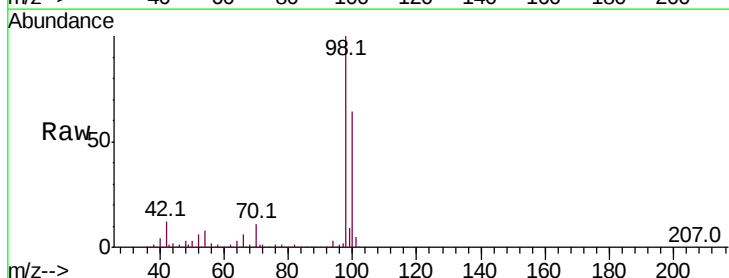
RT: 10.09 min Scan# 2586

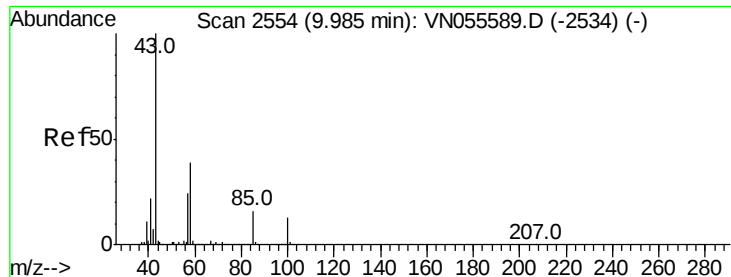
Delta R.T. -0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Tgt Ion:	98	Resp:	1622096
Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 249.314 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion: 43 Resp: 2866669

Ion Ratio Lower Upper

43 100

58 38.3

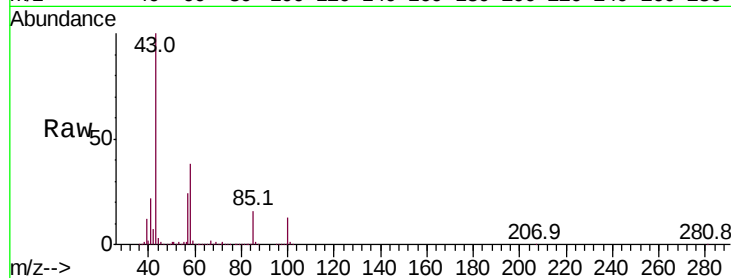
30.6

46.0

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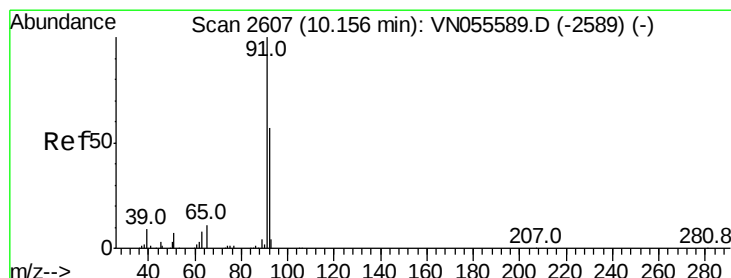
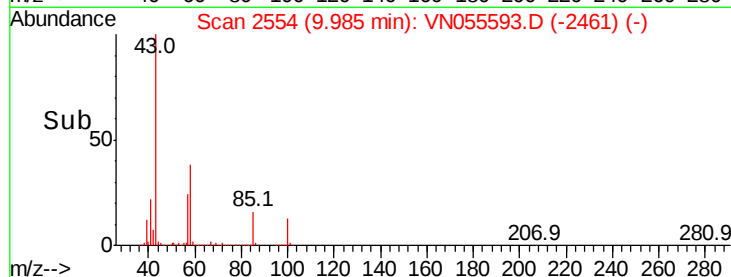
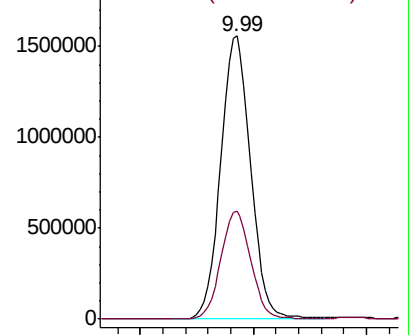
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.008 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Tgt Ion: 92 Resp: 1089655

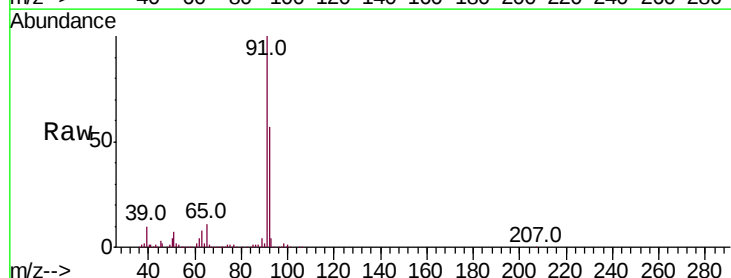
Ion Ratio Lower Upper

92 100

91 174.7

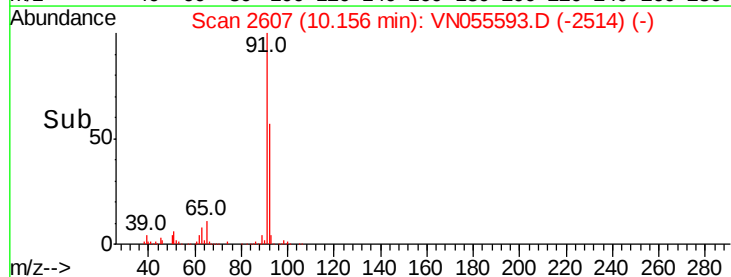
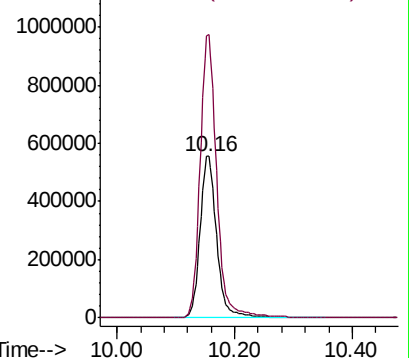
141.5

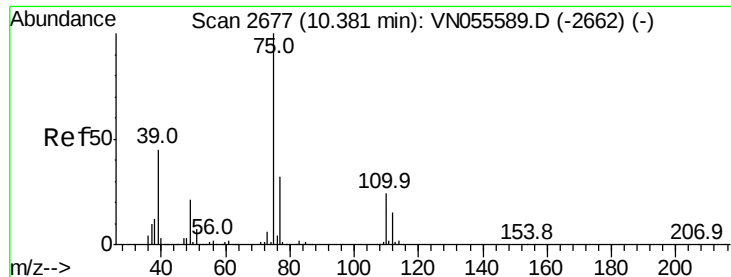
212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





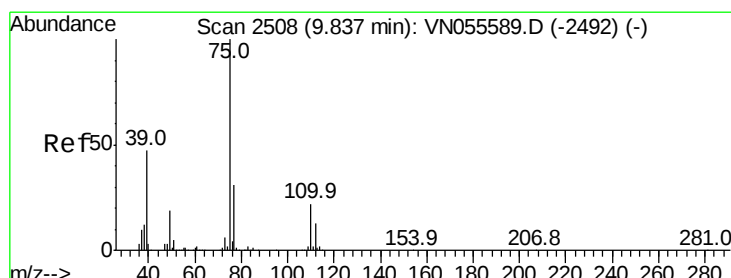
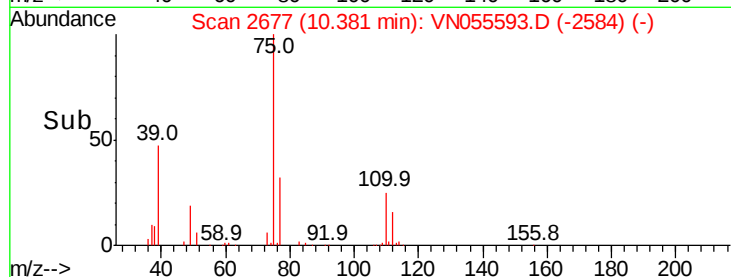
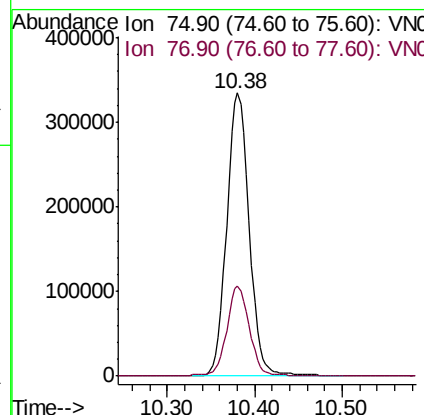
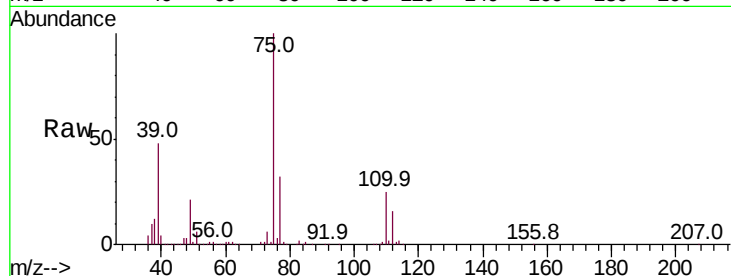
#53
 t-1,3-Dichloropropene
 Concen: 52.810 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

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

Tot Ion: 75 Resp: 597467
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3

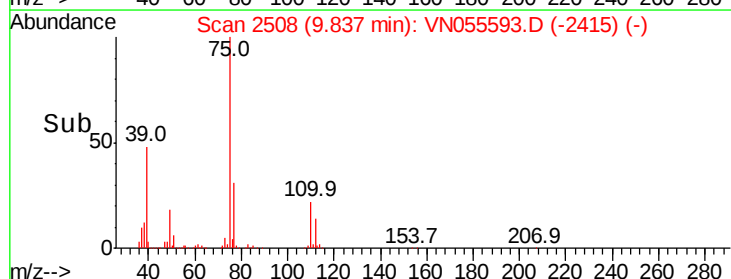
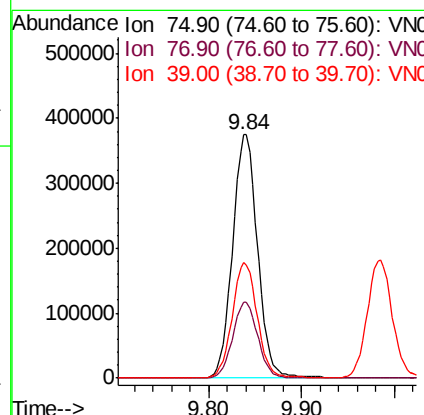
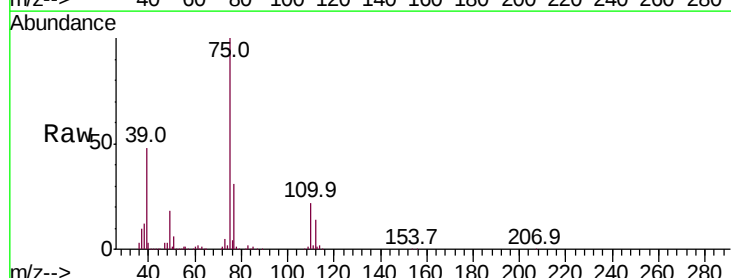
Manual Integrations
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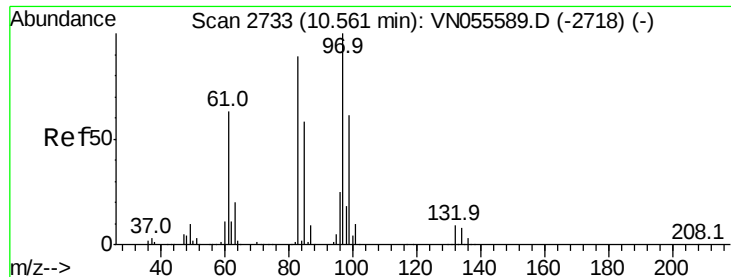
MMDadoda
 5/16/2019 1:27:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.670 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

Tgt Ion: 75 Resp: 701917
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.5 36.7
 39 47.5 37.7 56.5





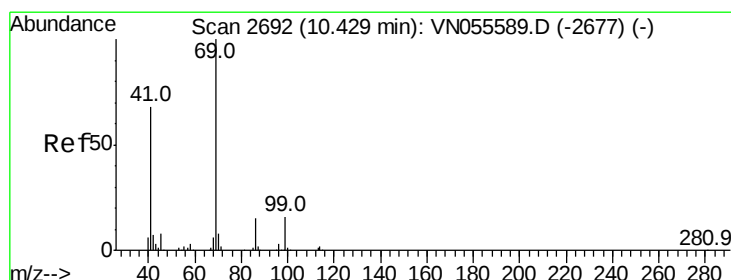
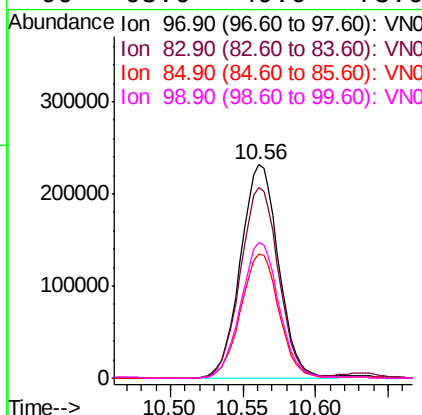
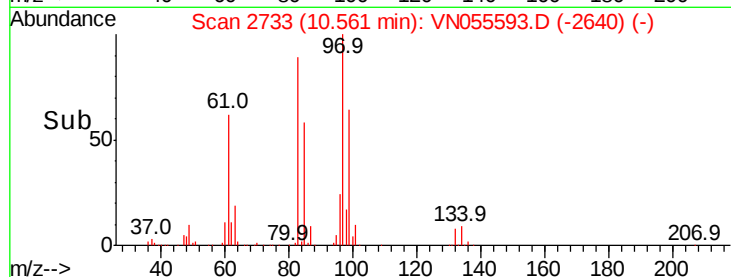
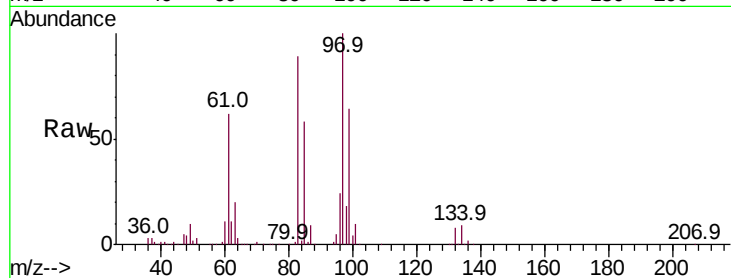
#55
1,1,2-Trichloroethane
Concen: 48.589 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.5	107.3
85	58.0	46.2	69.4
99	63.6	49.0	73.6

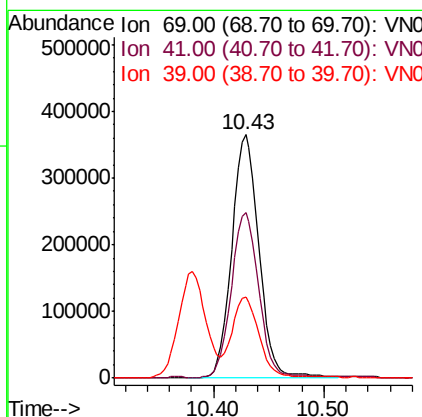
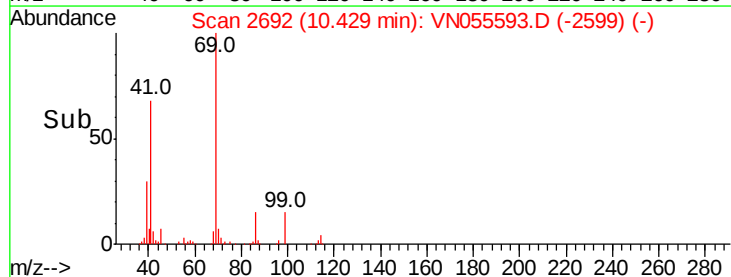
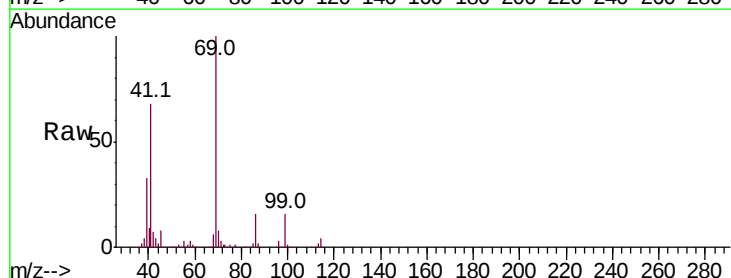
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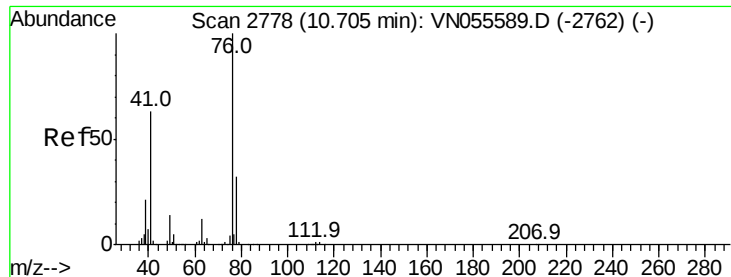
MMDadoda
5/16/2019 1:27:30 PM



#56
Ethyl methacrylate
Concen: 51.492 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.7	54.6	82.0
39	32.4	25.5	38.3





#57

1,3-Dichloropropane

Concen: 49.858 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion: 76 Resp: 750810

Ion Ratio Lower Upper

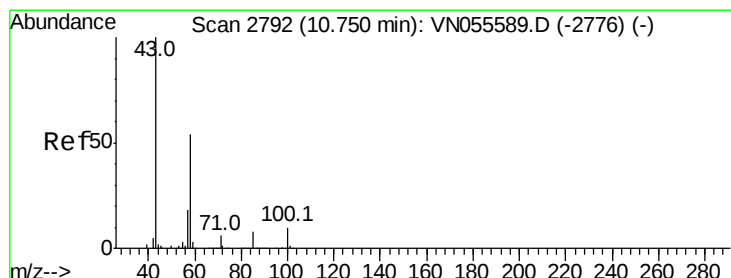
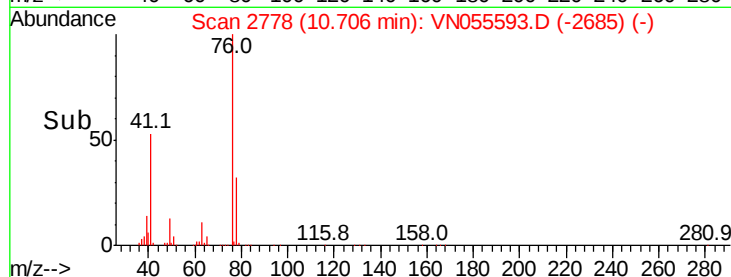
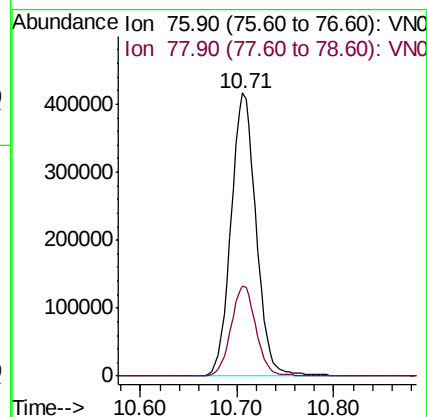
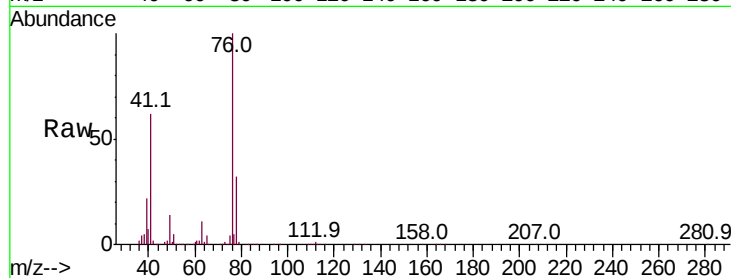
76 100

78 31.9 25.6 38.4

Manual Integrations
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#59

2-Hexanone

Concen: 239.175 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055593.D

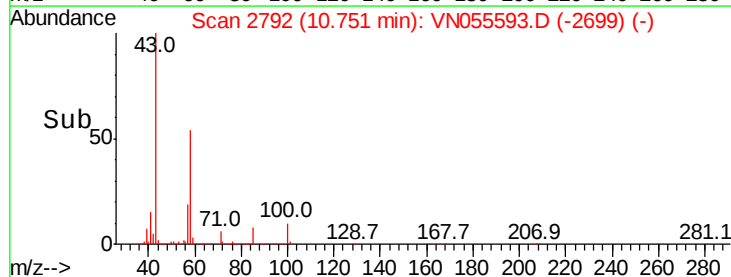
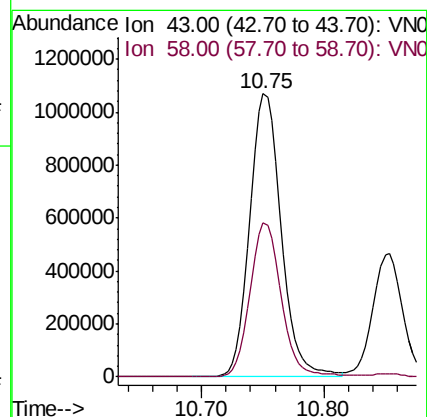
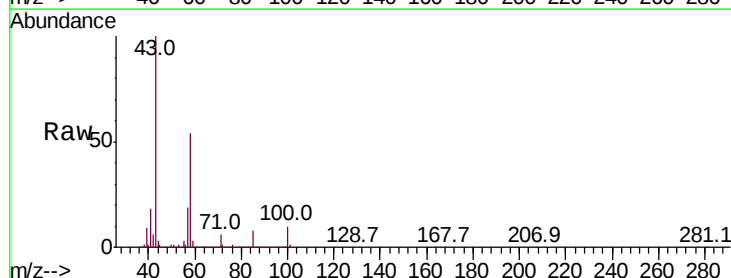
Acq: 14 May 2019 15:01

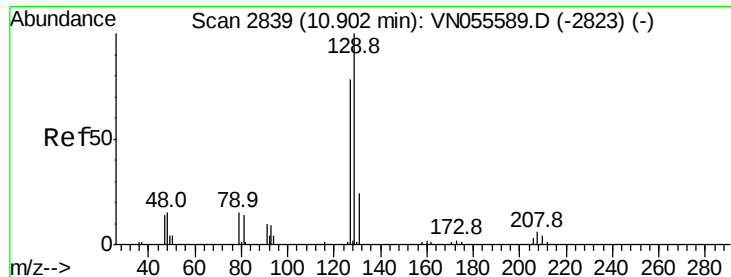
Tgt Ion: 43 Resp: 1897137

Ion Ratio Lower Upper

43 100

58 54.0 27.0 80.8





#60

Dibromochloromethane

Concen: 51.885 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion:129 Resp: 411130

Ion Ratio Lower Upper

129 100

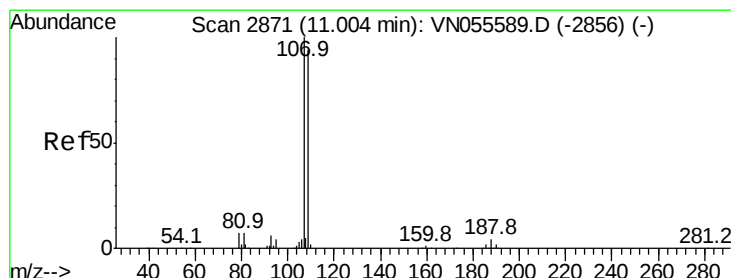
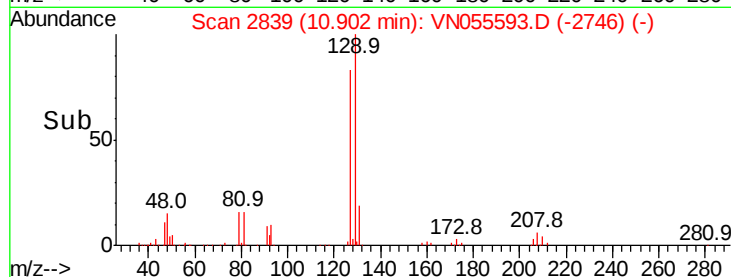
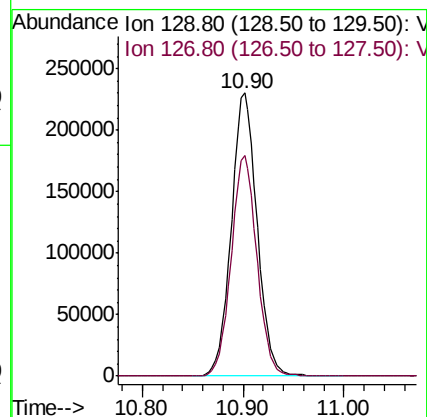
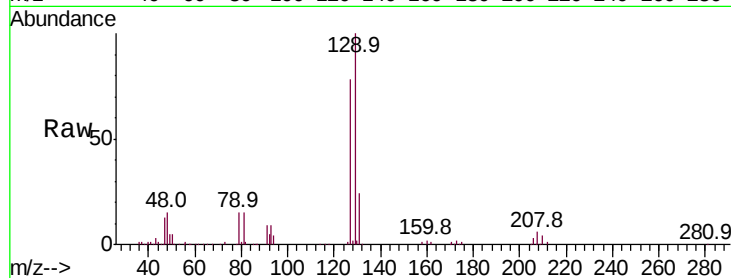
127 77.4 39.1 117.2

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#61

1,2-Dibromoethane

Concen: 50.459 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055593.D

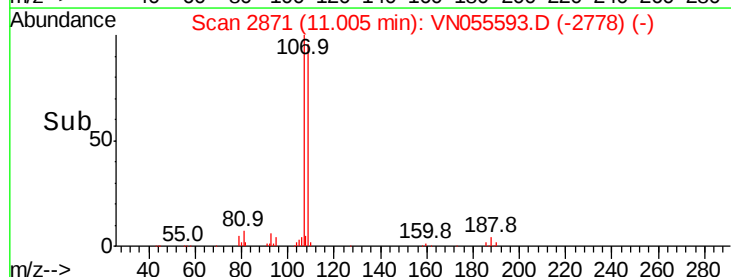
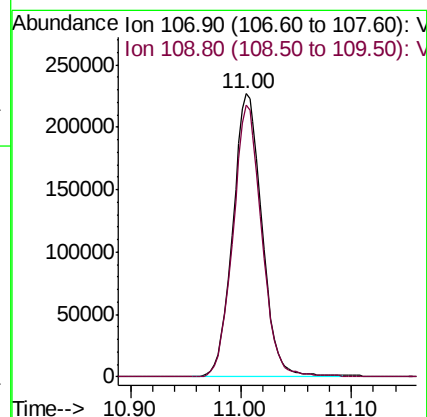
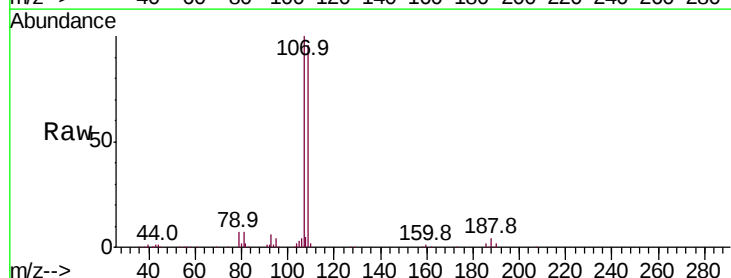
Acq: 14 May 2019 15:01

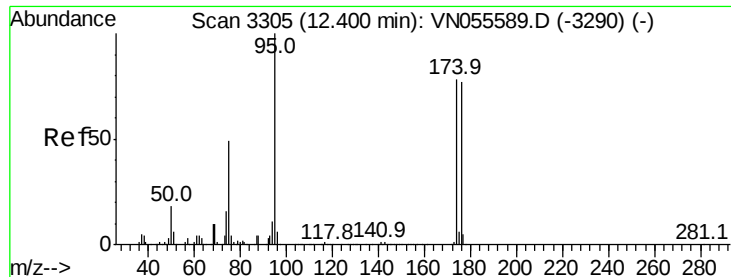
Tgt Ion:107 Resp: 415293

Ion Ratio Lower Upper

107 100

109 95.1 75.8 113.8





#62

4-Bromofluorobenzene

Concen: 54.017 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion: 95 Resp: 539683

Ion Ratio Lower Upper

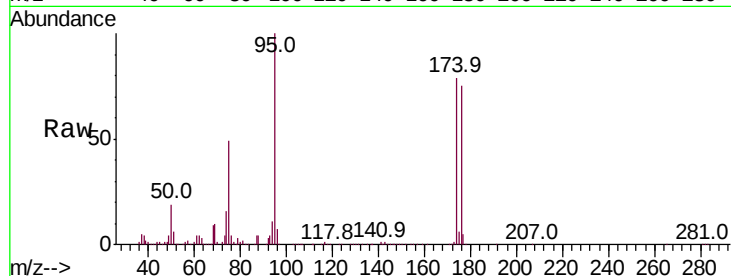
95 100

174 78.7 0.0 158.4

176 76.3 0.0 153.4

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Abundance Ion 94.90 (94.60 to 95.60): VN055589.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN055589.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN055589.D (-3290) (-)

12.40

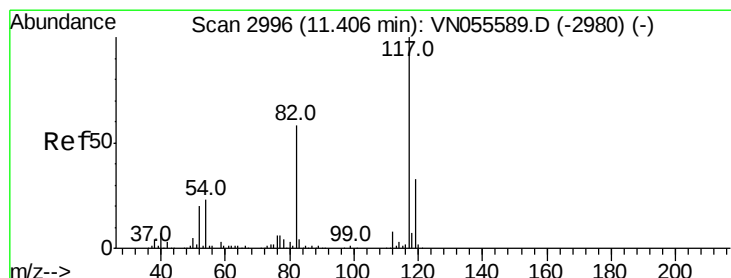
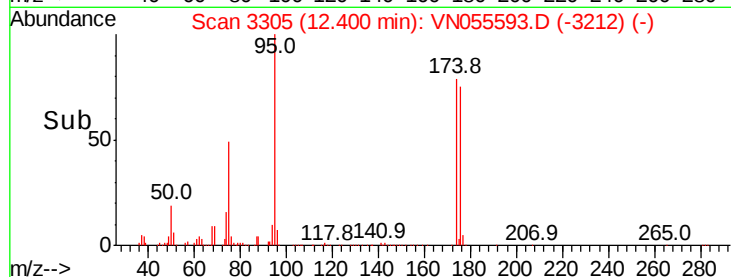
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

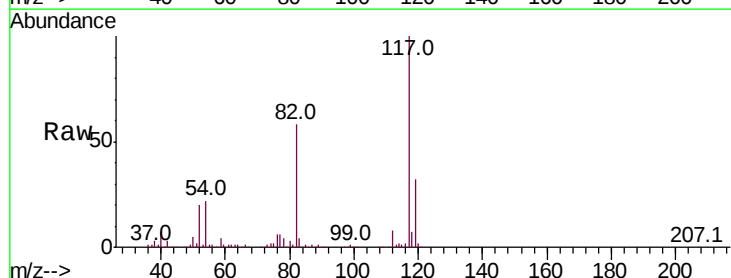
Tgt Ion: 117 Resp: 1088939

Ion Ratio Lower Upper

117 100

82 58.0 46.7 70.1

119 31.9 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VN055589.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055589.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055589.D (-2980) (-)

11.41

800000

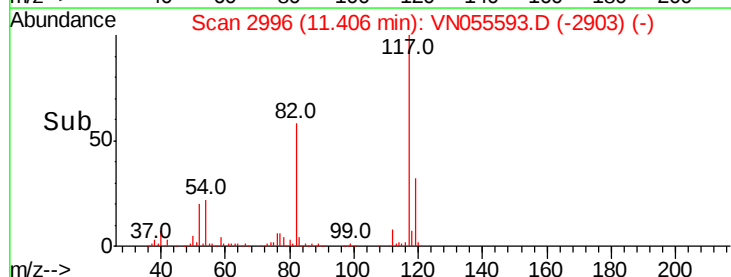
600000

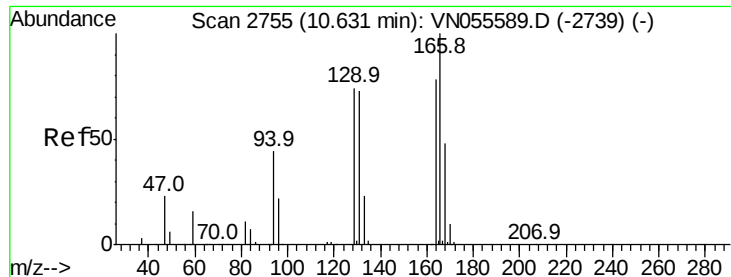
400000

200000

0

Time--> 11.30 11.40 11.50





#64

Tetrachloroethene

Concen: 48.333 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14MS

Tot Ion:164 Resp: 420415

Ion Ratio Lower Upper

164 100

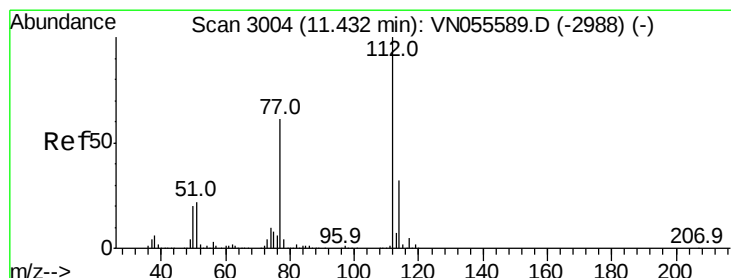
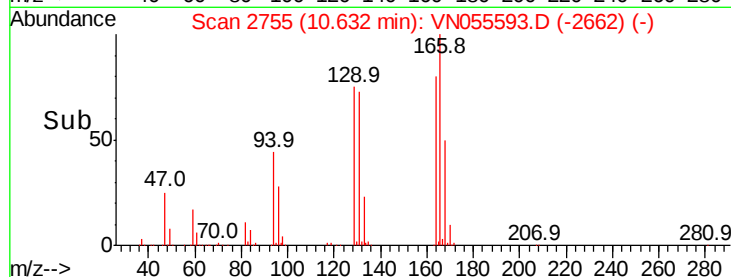
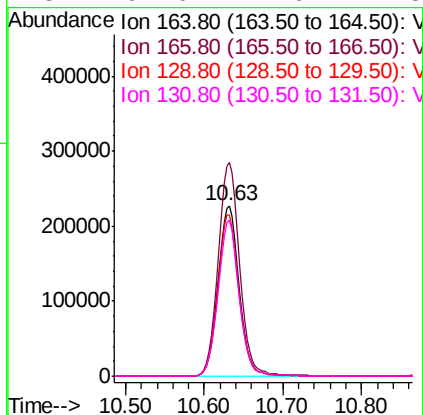
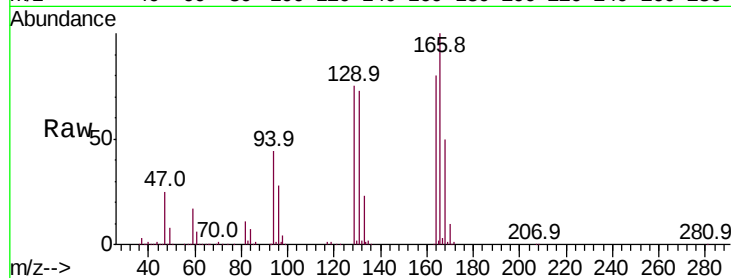
166 125.2 102.1 153.1

129 94.3 75.8 113.8

131 91.6 74.6 111.8

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#65

Chlorobenzene

Concen: 48.814 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055593.D

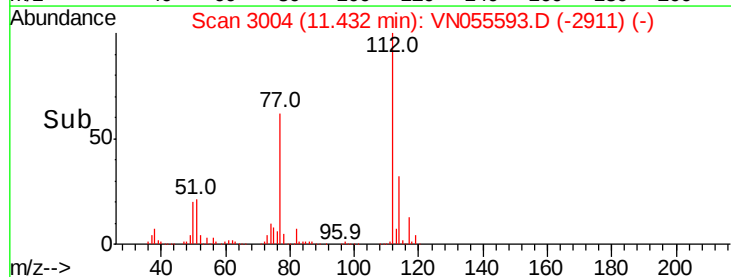
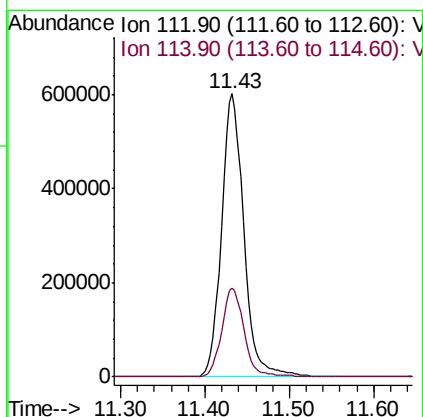
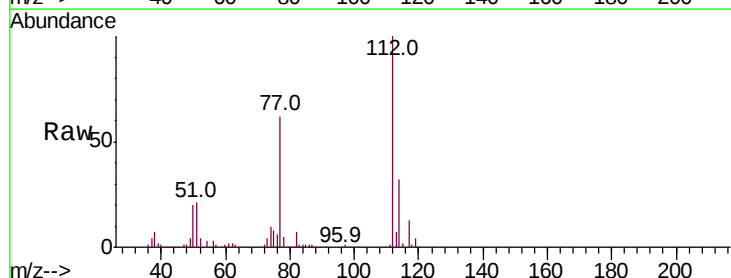
Acq: 14 May 2019 15:01

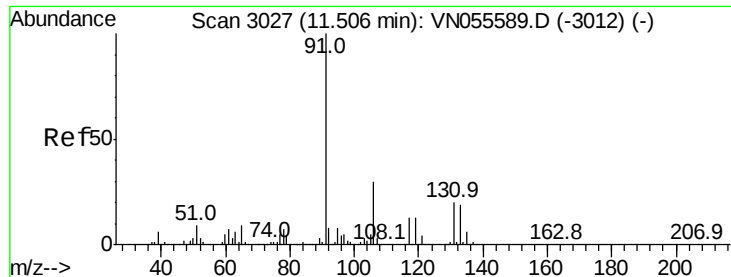
Tgt Ion:112 Resp: 1103060

Ion Ratio Lower Upper

112 100

114 31.6 25.4 38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 50.102 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

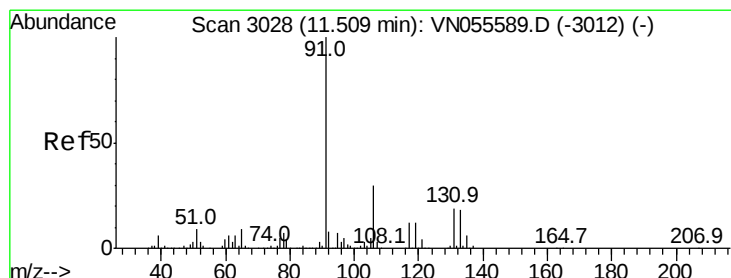
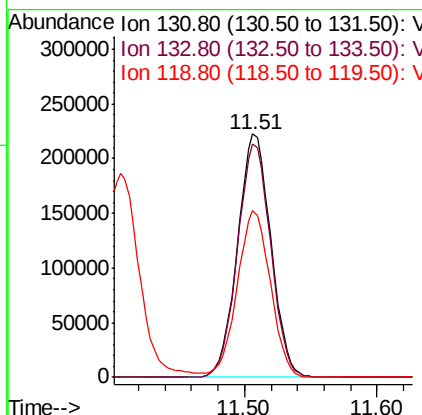
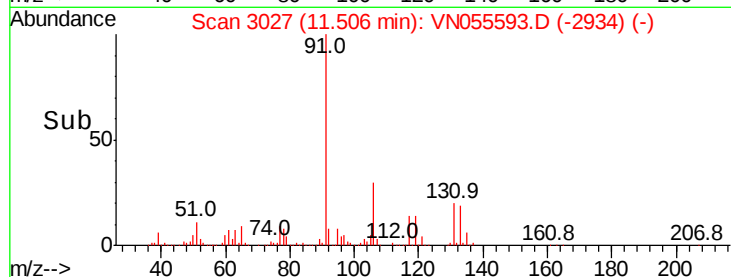
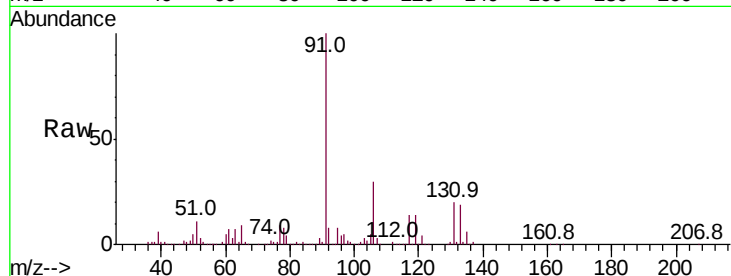
ClientSampleId :

KR-02_4-14MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.6	142.9
119	68.4	34.2	102.5

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#67

Ethyl Benzene

Concen: 50.019 ug/l

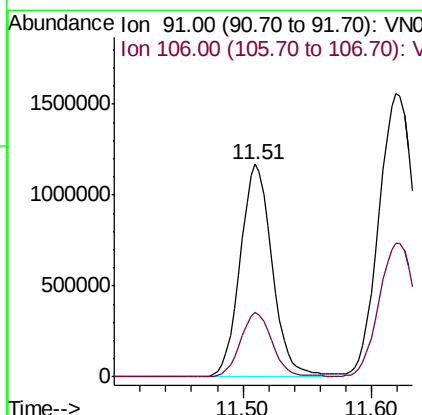
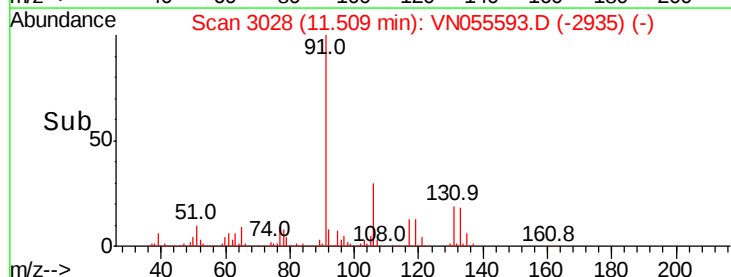
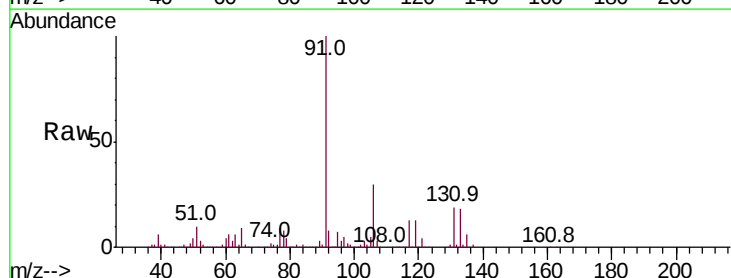
RT: 11.51 min Scan# 3028

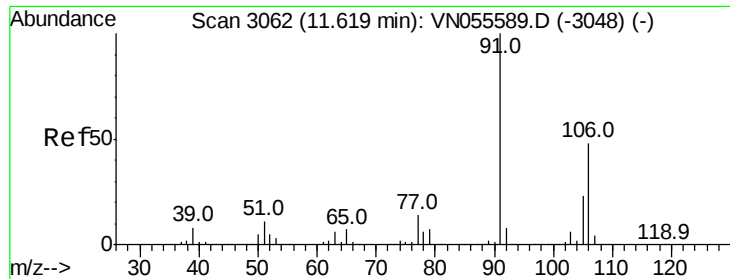
Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.1	36.1





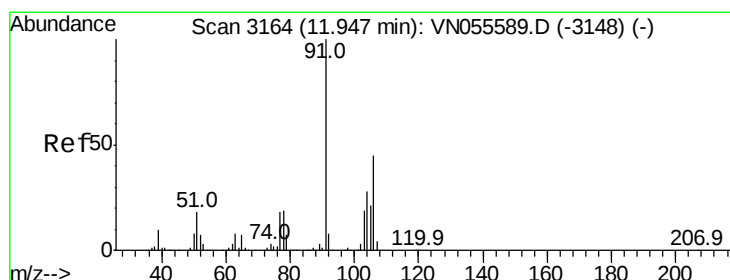
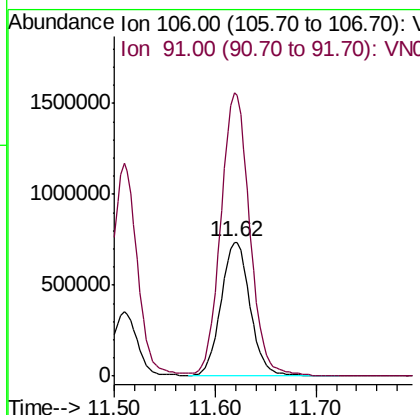
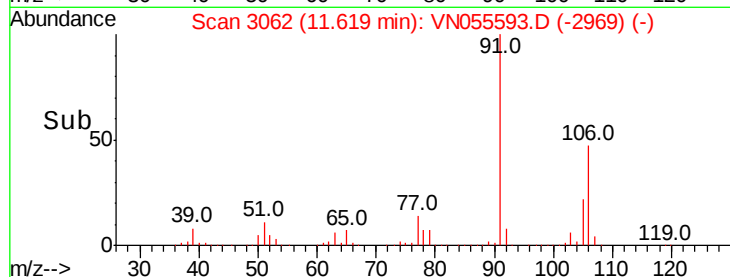
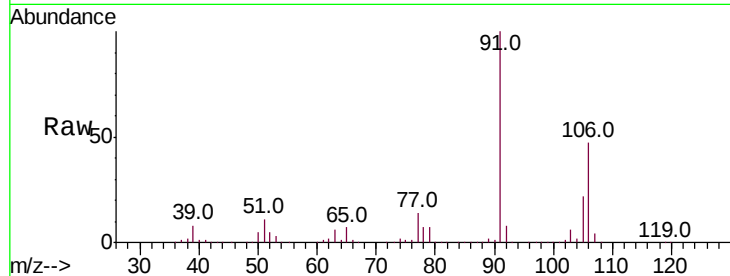
#68
m/p-Xylenes
Concen: 100.490 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion:106 Resp: 1488642
Ion Ratio Lower Upper
106 100
91 210.1 167.5 251.3

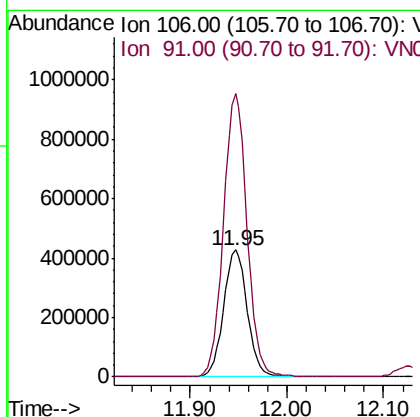
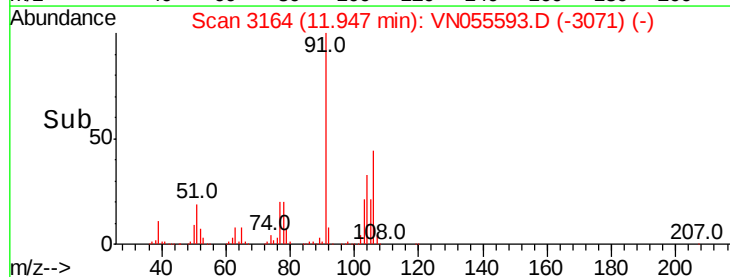
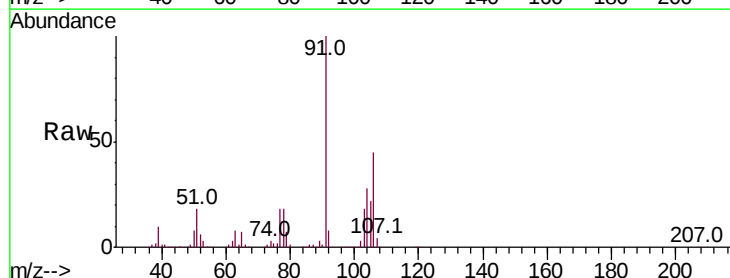
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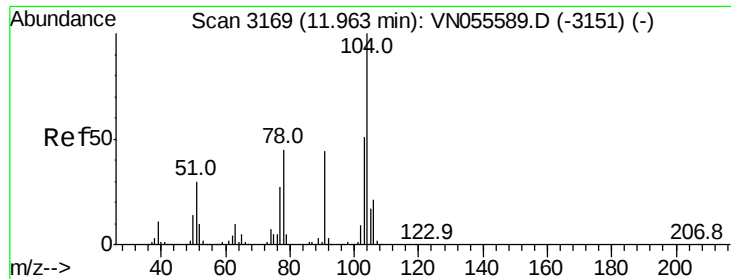
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#69
o-Xylene
Concen: 50.286 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion:106 Resp: 724927
Ion Ratio Lower Upper
106 100
91 221.9 110.2 330.6





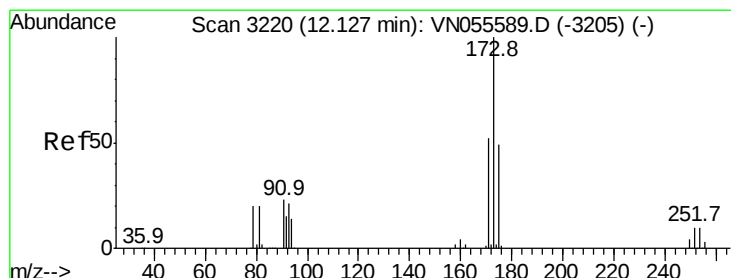
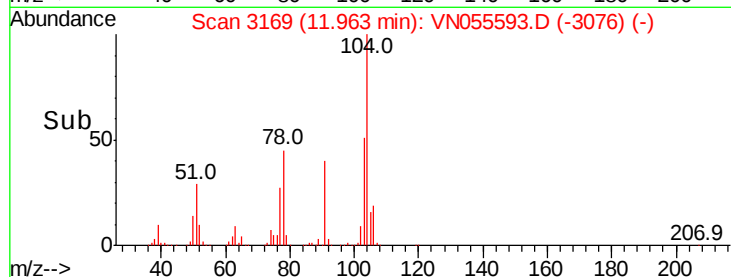
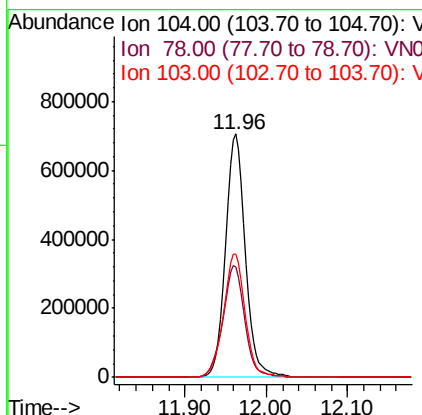
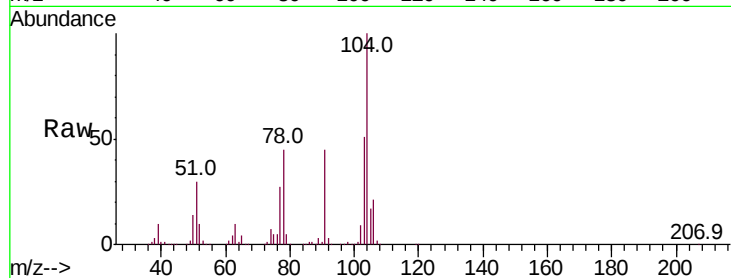
#70
Stvrene
Concen: 53.211 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.8	61.2
103	55.2	44.6	67.0

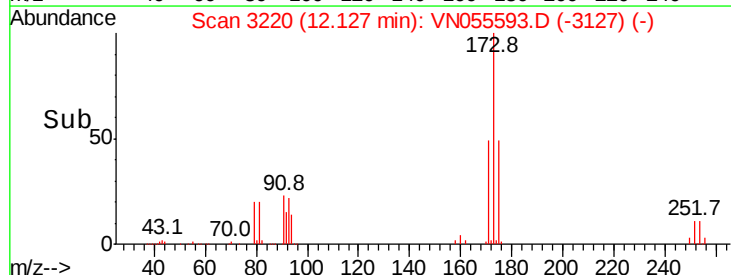
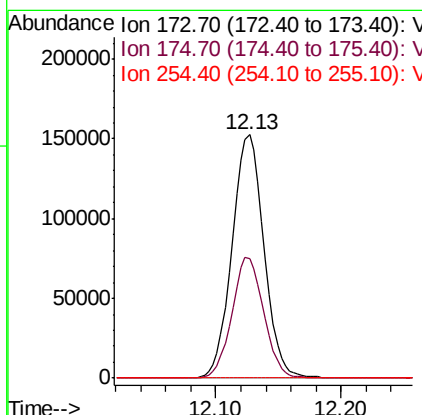
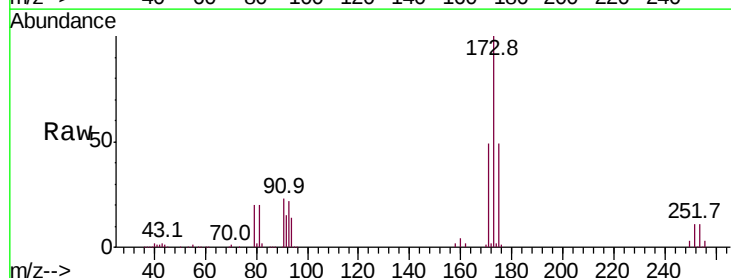
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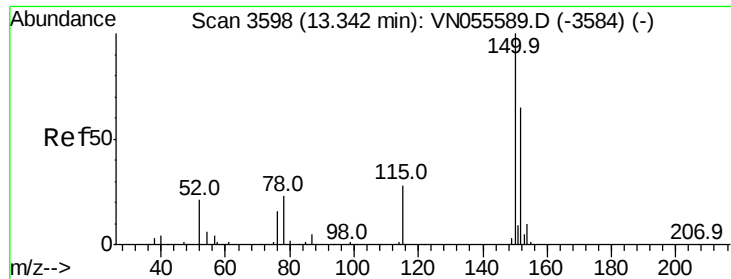
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#71
Bromoform
Concen: 53.290 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

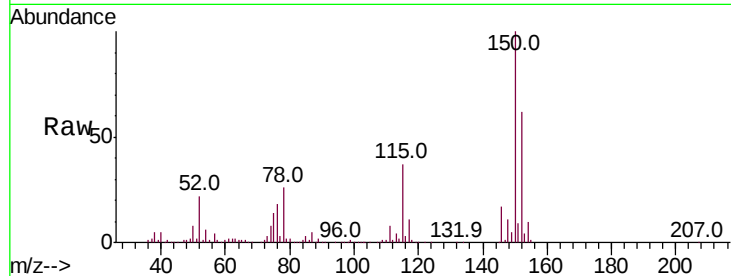
ClientSampleId :

KR-02_4-14MS

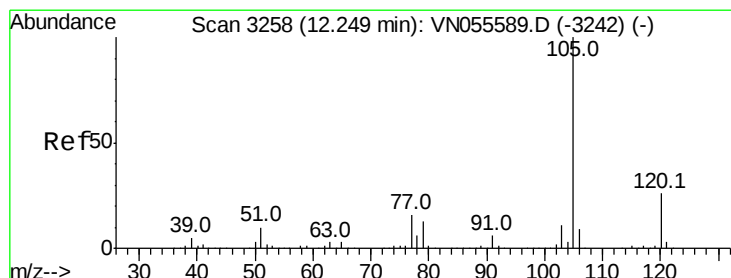
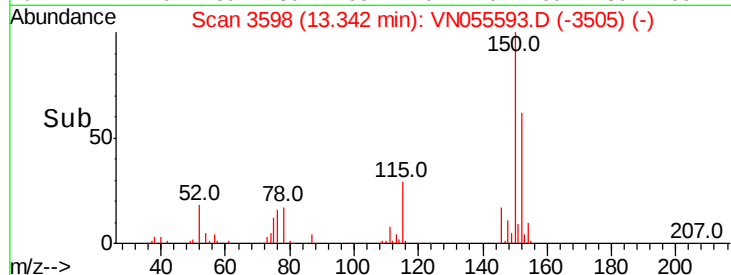
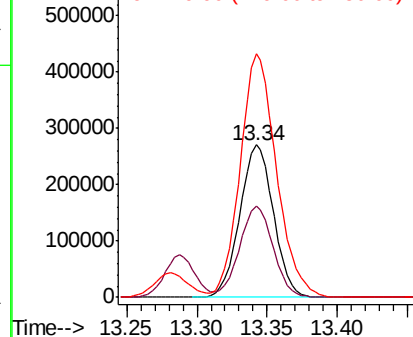
Tot Ion:	152	Resp:	452015
Ion Ratio	Lower	Upper	
152	100		
115	59.5	29.8	89.4
150	172.4	0.0	346.6

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



#73

Isopropylbenzene

Concen: 43.333 ug/l

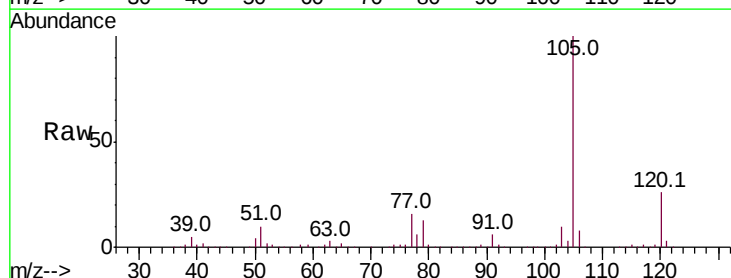
RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

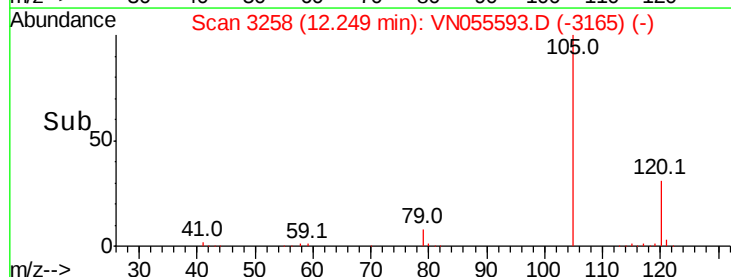
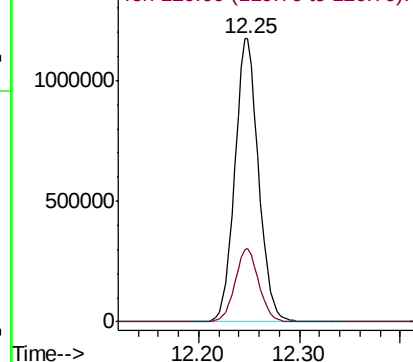
Lab File: VN055593.D

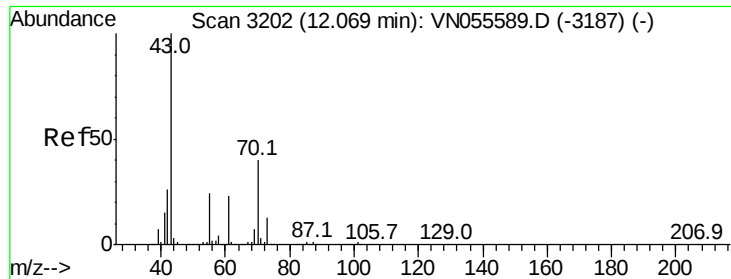
Acq: 14 May 2019 15:01

Tgt Ion:	105	Resp:	1914207
Ion Ratio	Lower	Upper	
105	100		
120	26.0	13.0	39.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 46.079 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

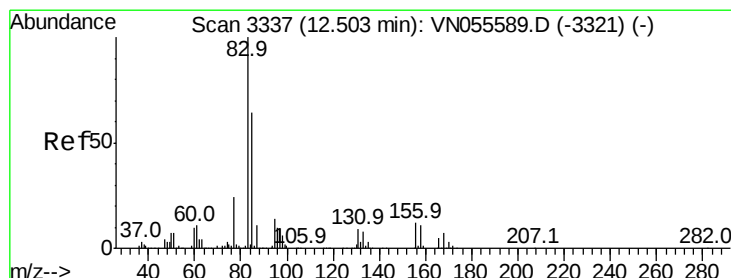
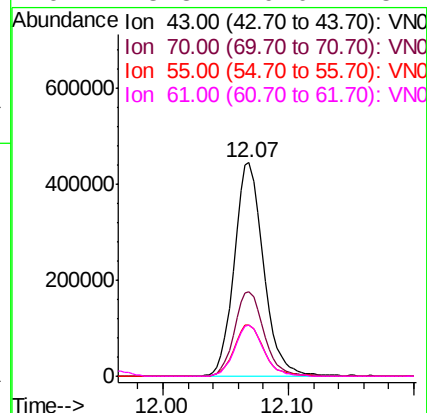
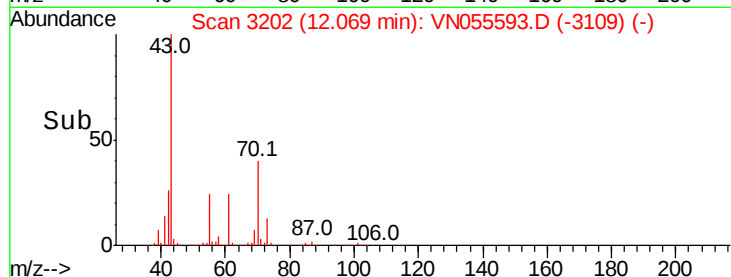
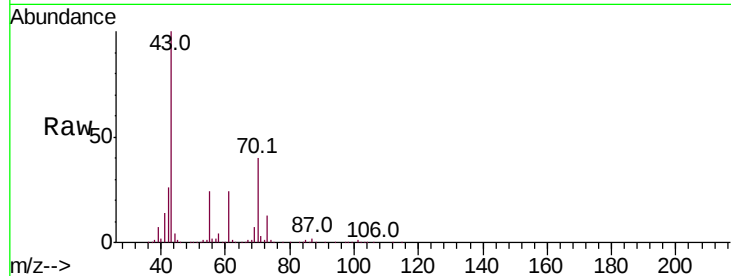
KR-02_4-14MS

Tot Ion: 43 Resp: 718336

Ion	Ratio	Lower	Upper
43	100		
70	40.2	31.8	47.6
55	24.6	19.7	29.5
61	23.8	19.0	28.4

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#75

1,1,2,2-Tetrachloroethane

Concen: 52.566 ug/l

RT: 12.50 min Scan# 3337

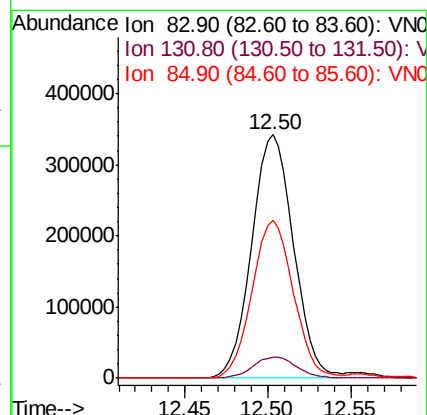
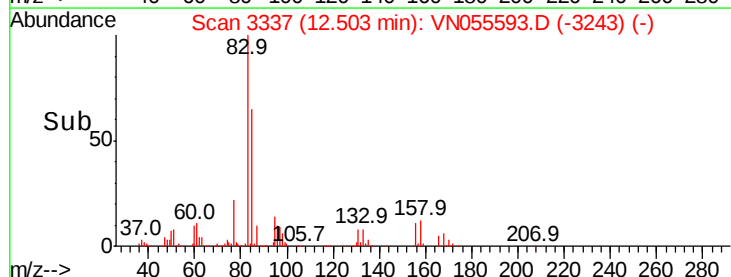
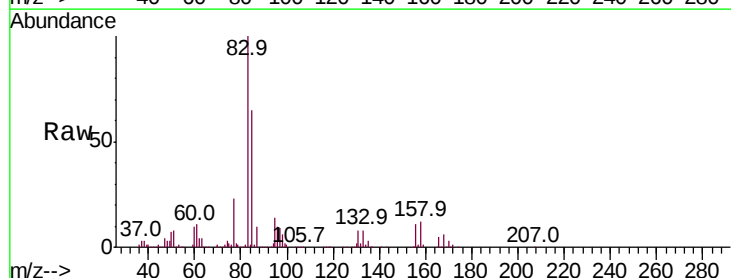
Delta R.T. 0.00 min

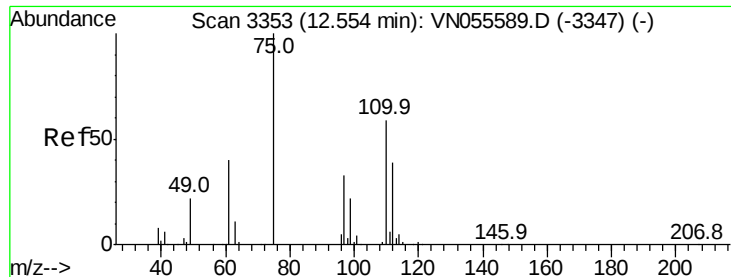
Lab File: VN055593.D

Acq: 14 May 2019 15:01

Tgt Ion: 83 Resp: 600041

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.6	13.8
85	63.9	32.2	96.6





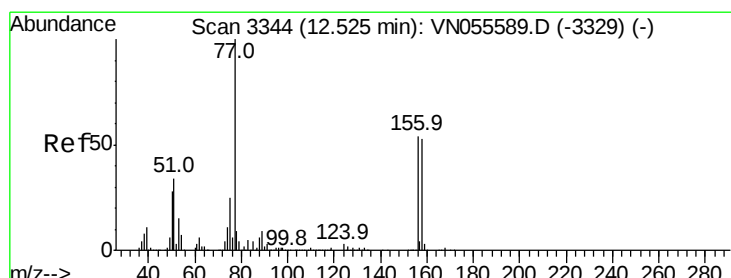
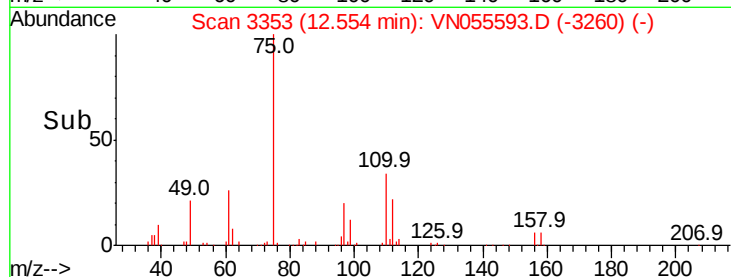
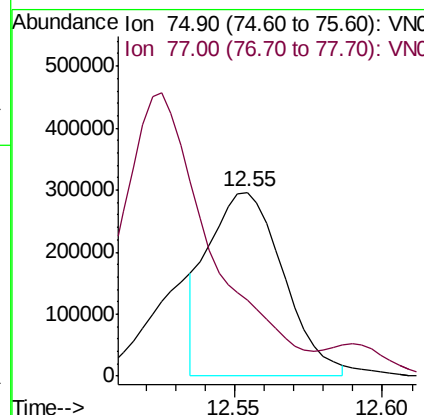
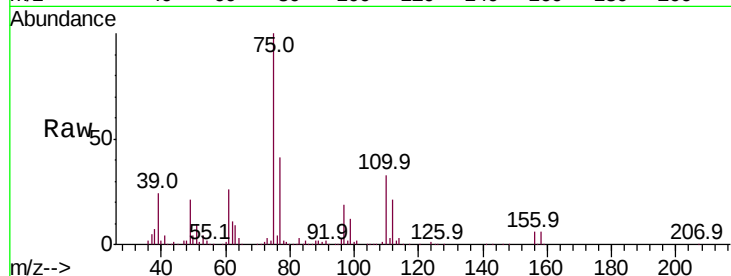
#76
1,2,3-Trichloropropane
Concen: 46.434 ug/l m
RT: 12.55 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion: 75 Resp: 519306
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

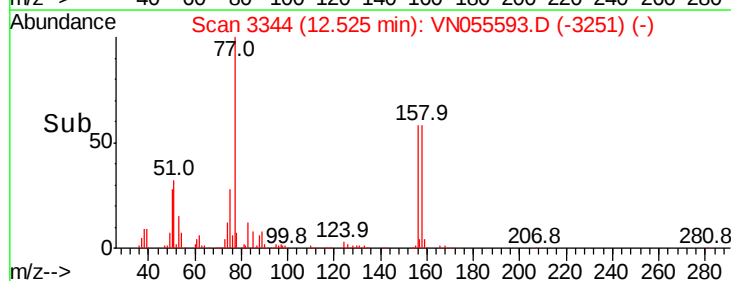
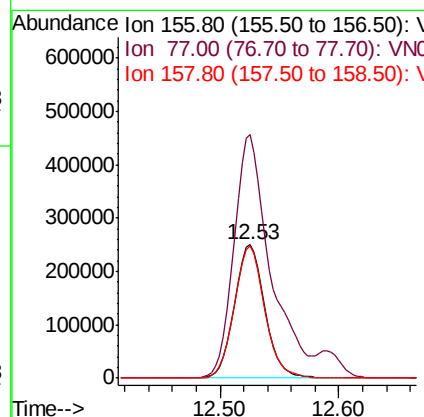
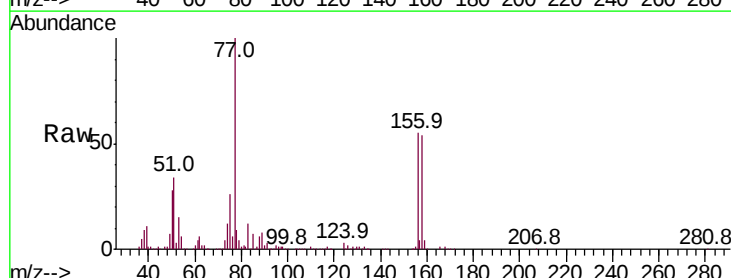
Manual Integrations
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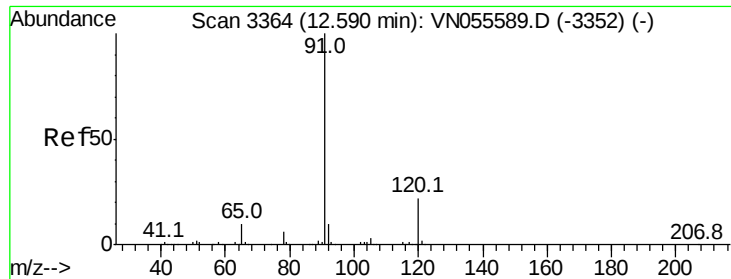
MMDadoda
5/16/2019 1:27:30 PM



#77
Bromobenzene
Concen: 50.240 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion: 156 Resp: 442670
Ion Ratio Lower Upper
156 100
77 218.2 108.9 326.7
158 98.7 48.1 144.3





#78

n-propylbenzene

Concen: 46.296 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion: 91 Resp: 2180495

Ion Ratio Lower Upper

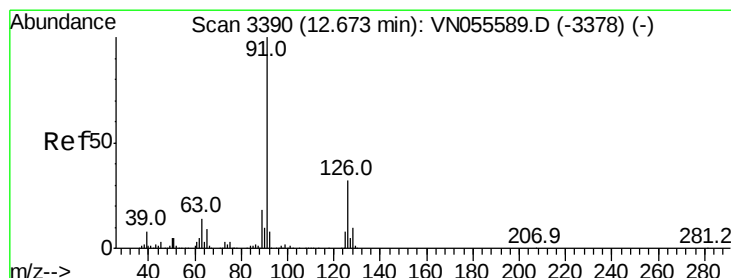
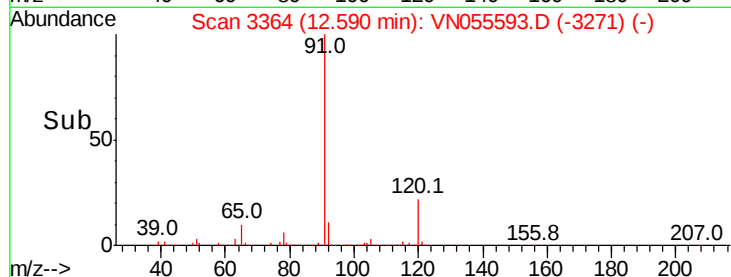
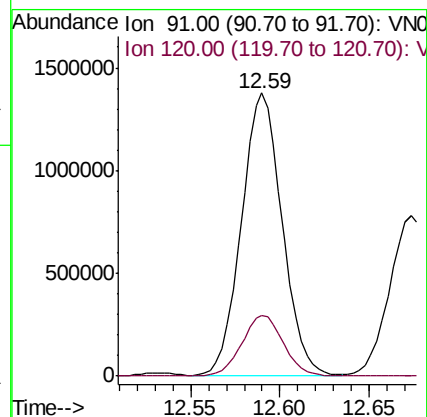
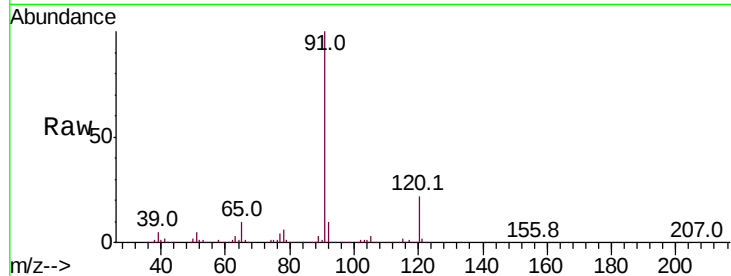
91 100

120 22.0 11.0 33.0

Manual Integrations
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#79

2-Chlorotoluene

Concen: 43.888 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055593.D

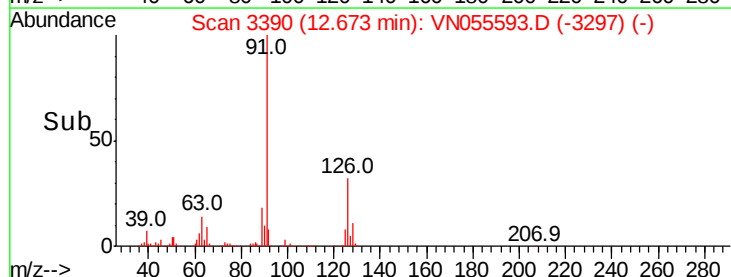
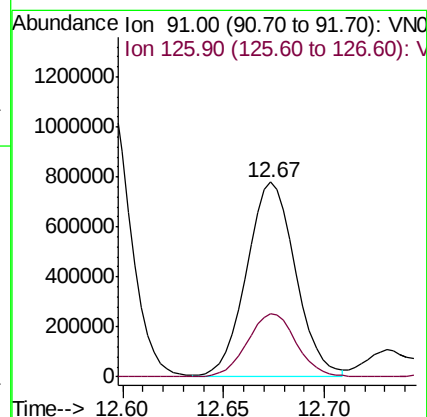
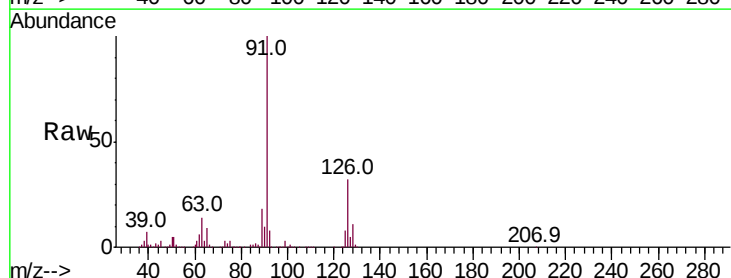
Acq: 14 May 2019 15:01

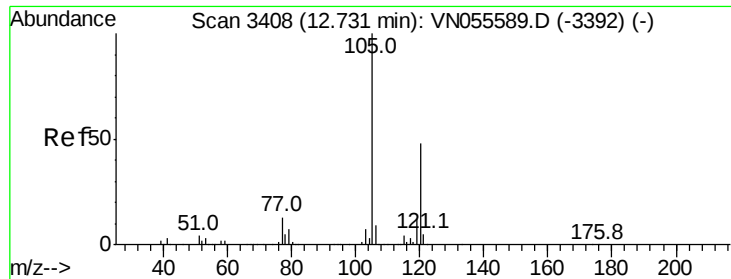
Tgt Ion: 91 Resp: 1314854

Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.7





#80

1,3,5-Trimethylbenzene

Concen: 46.014 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion:105 Resp: 1606693

Ion Ratio Lower Upper

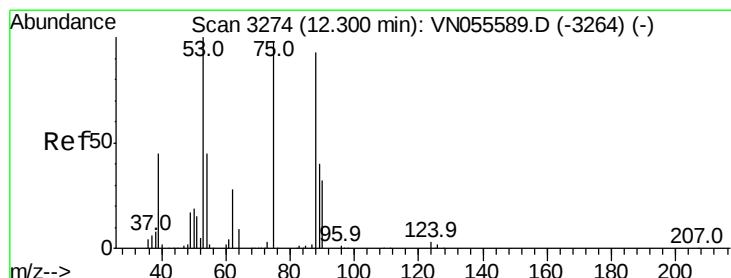
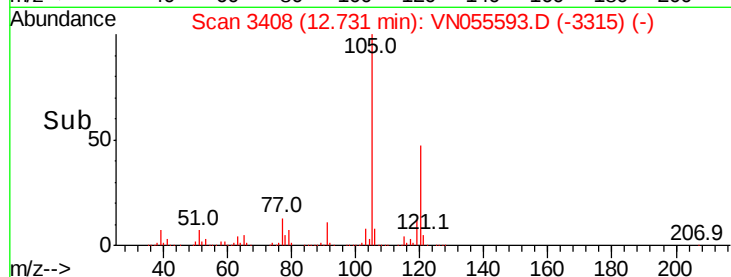
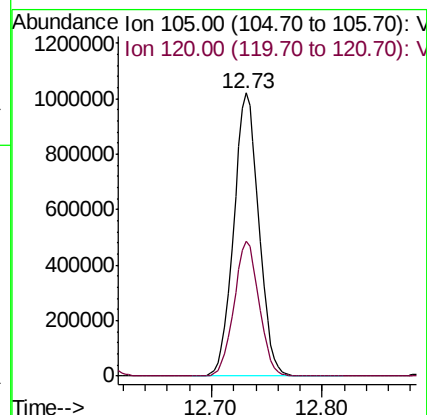
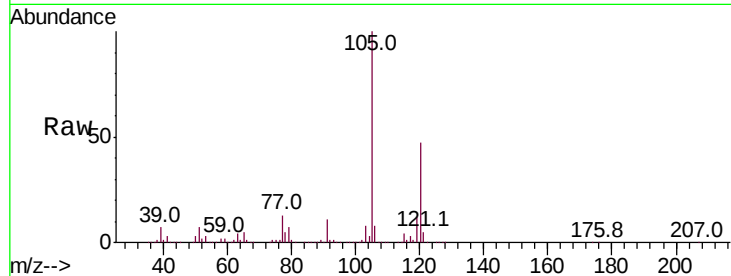
105 100

120 47.5 23.8 71.2

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#81

trans-1,4-Dichloro-2-butene

Concen: 47.181 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

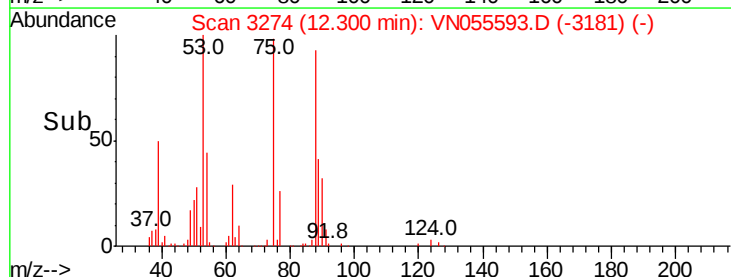
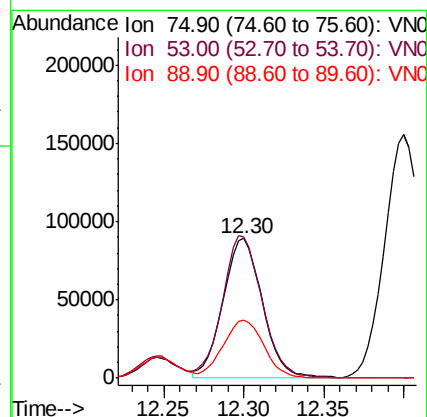
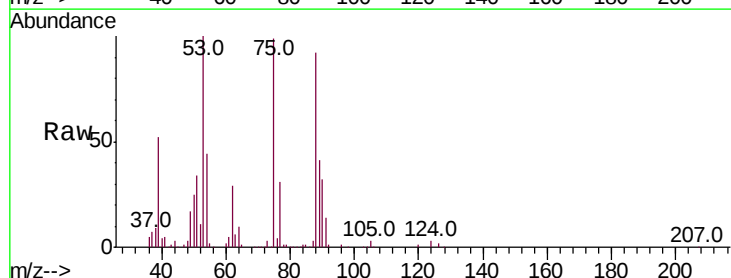
Tgt Ion: 75 Resp: 148349

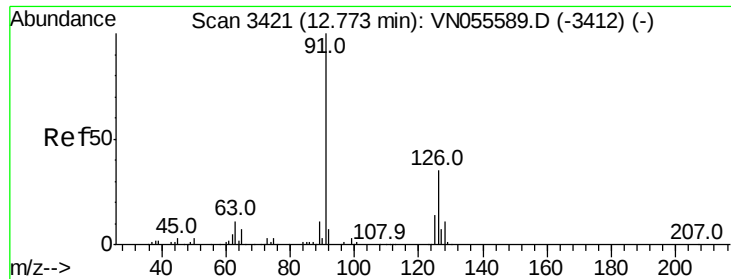
Ion Ratio Lower Upper

75 100

53 104.0 83.9 125.9

89 44.0 34.7 52.1





#82

4-Chlorotoluene

Concen: 46.171 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14MS

Tot Ion: 91 Resp: 1284936

Ion Ratio Lower Upper

91 100

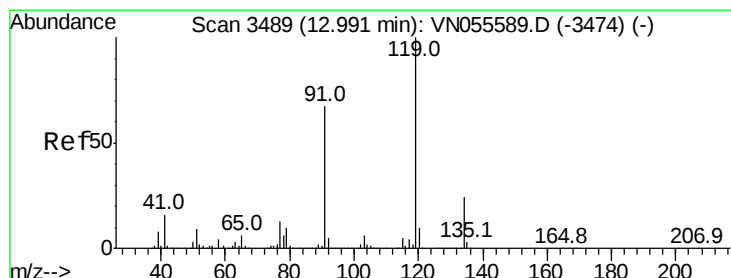
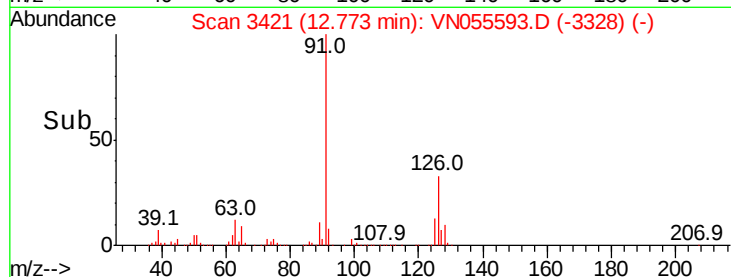
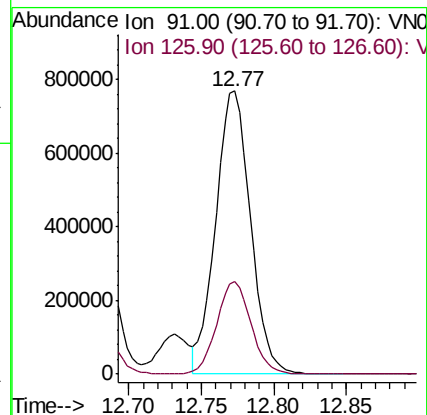
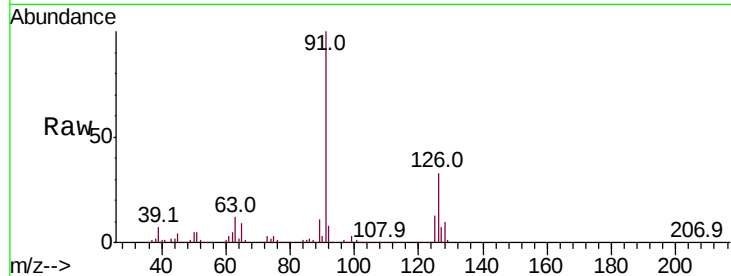
126 32.4 16.2 48.6

Manual Integrations

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#83

tert-Butylbenzene

Concen: 44.289 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

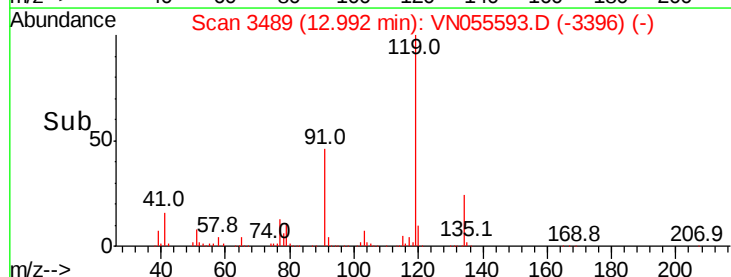
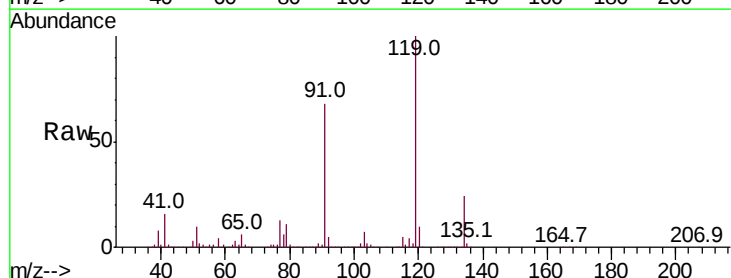
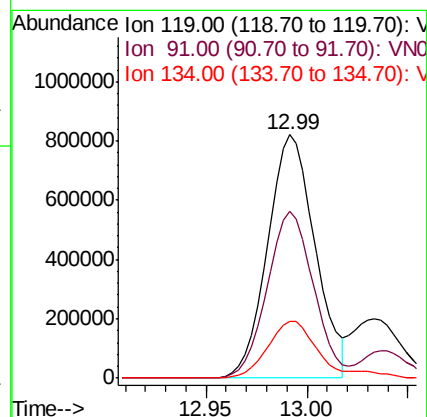
Tgt Ion: 119 Resp: 1342386

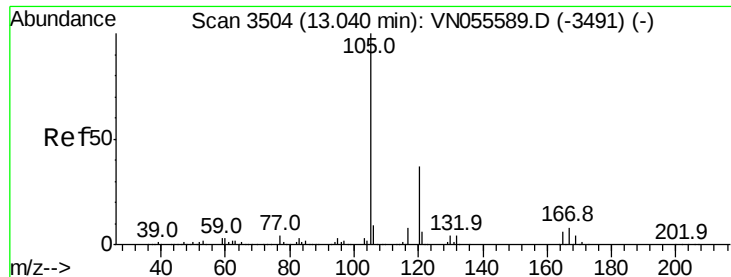
Ion Ratio Lower Upper

119 100

91 67.0 33.5 100.4

134 25.6 12.7 38.1





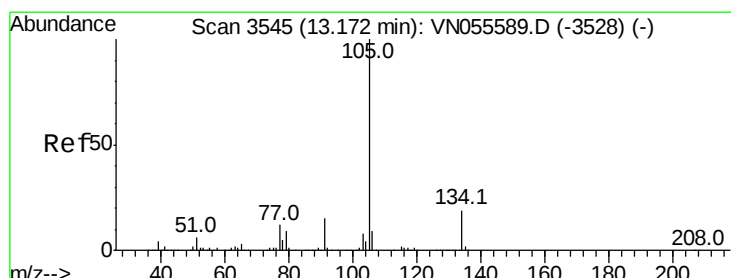
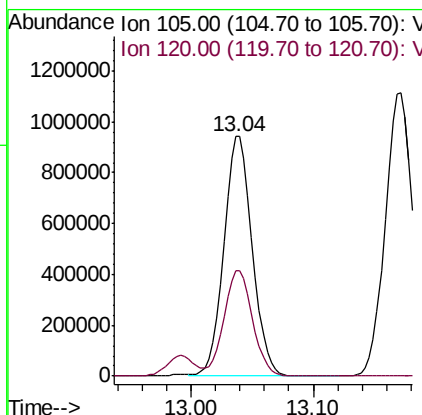
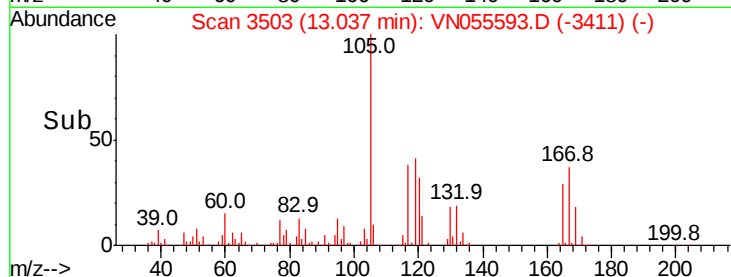
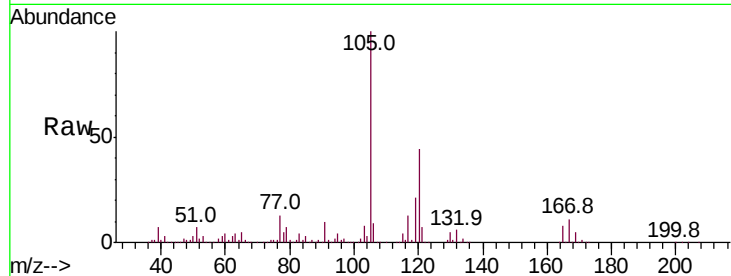
#84
 1,2,4-Trimethylbenzene
 Concen: 47.556 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

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

Tot Ion:105 Resp: 1533533
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.2 66.6

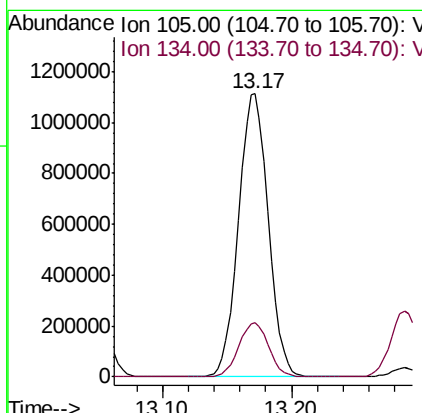
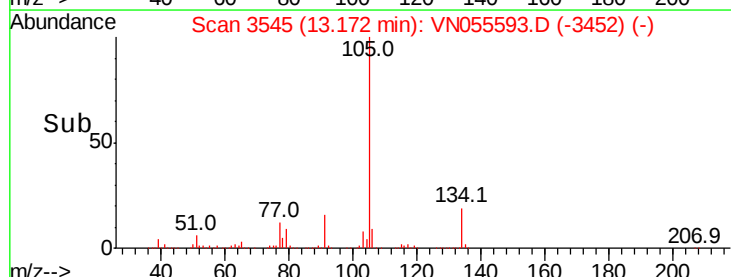
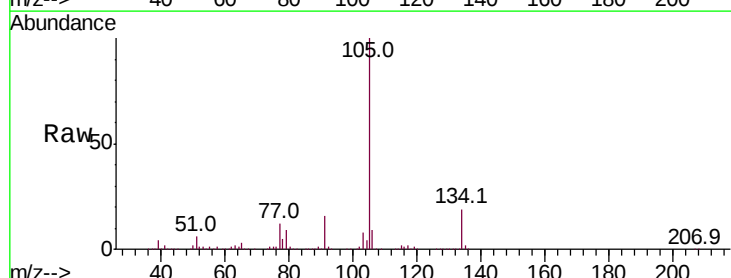
Manual Integrations
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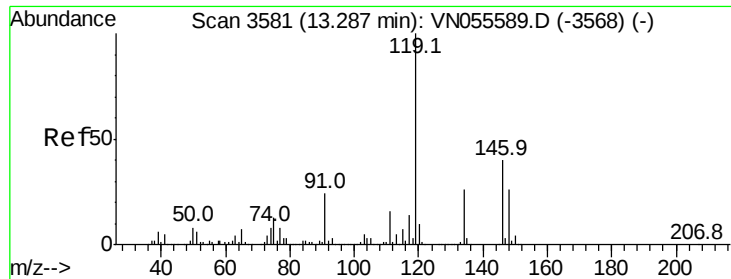
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#85
 sec-Butylbenzene
 Concen: 45.642 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

Tgt Ion:105 Resp: 1781671
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1





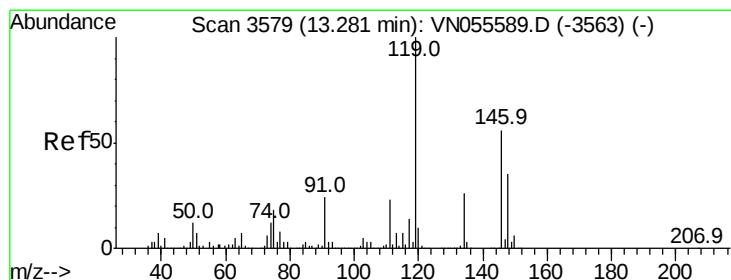
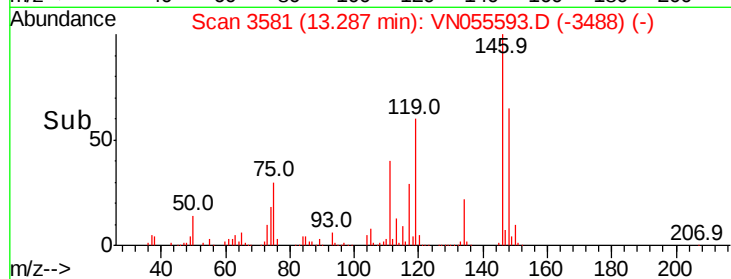
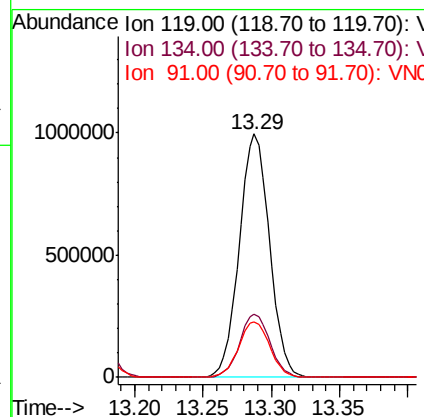
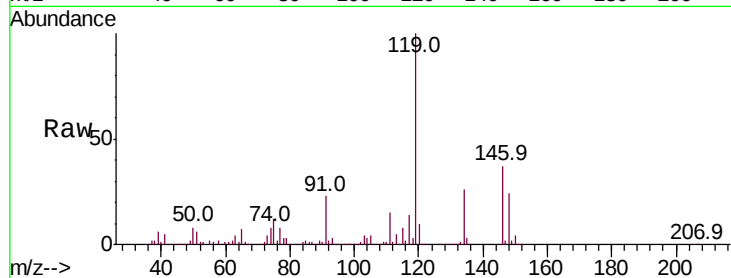
#86
p-Isopropyltoluene
Concen: 48.316 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	23.4	11.9	35.5

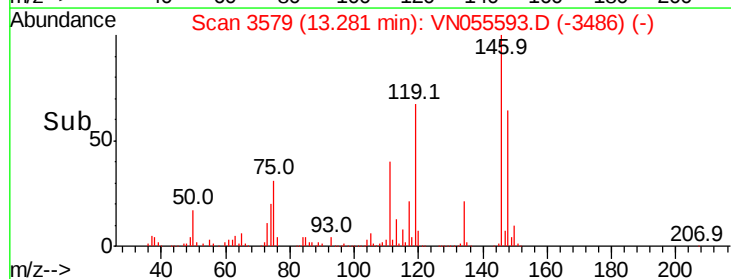
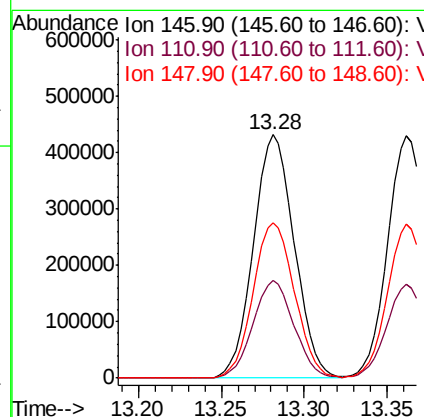
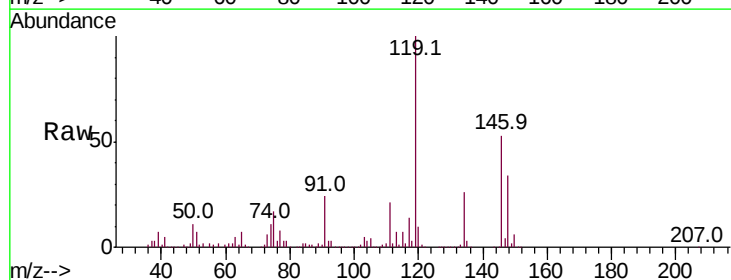
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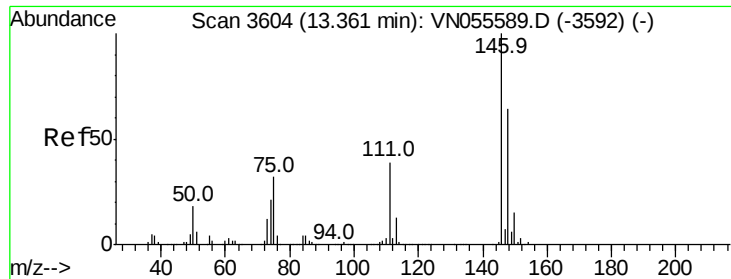
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 47.207 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	61.5
148	64.5	32.3	96.9





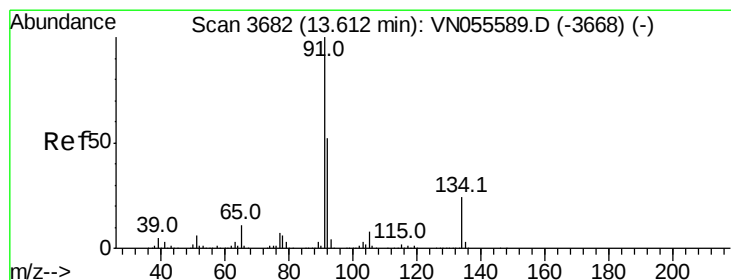
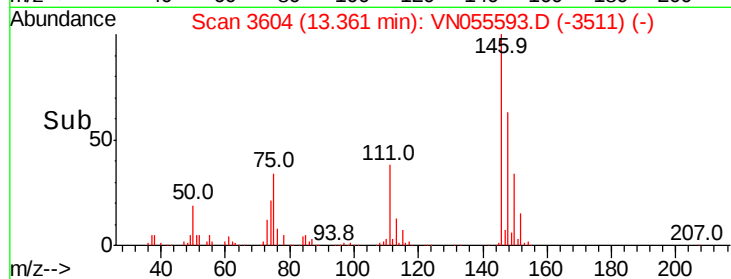
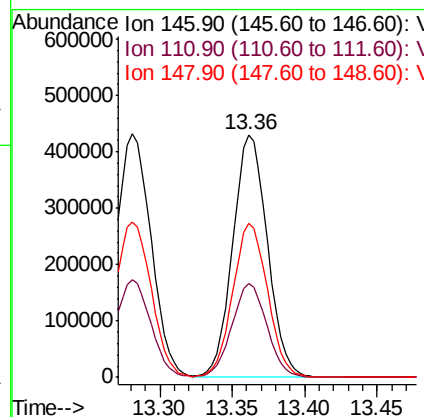
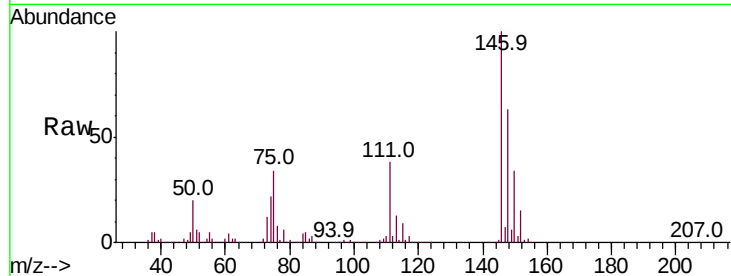
#88
 1,4-Dichlorobenzene
 Concen: 46.406 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	63.7	31.8	95.4

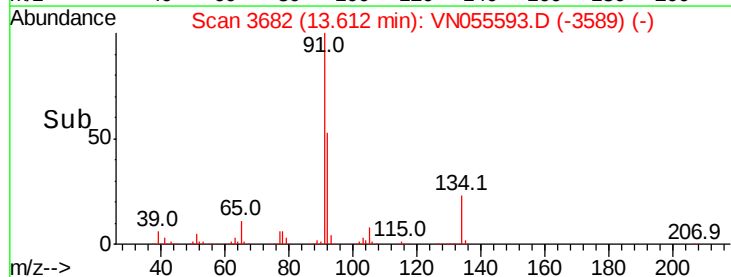
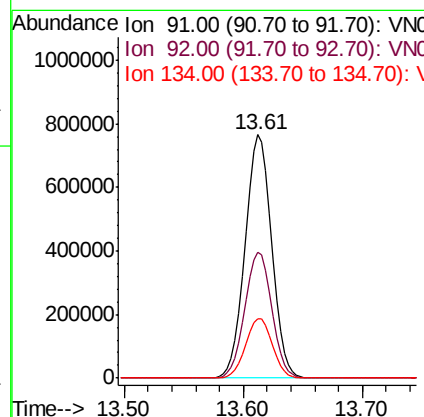
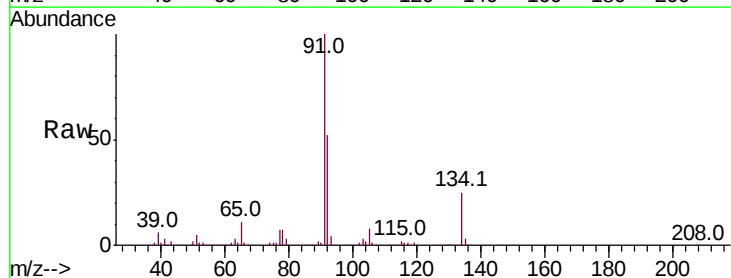
Manual Integrations
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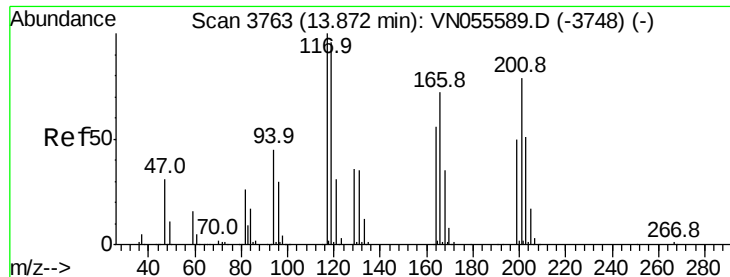
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 5/16/2019 1:27:30 PM



#89
 n-Butylbenzene
 Concen: 50.720 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.9	77.8
134	24.7	12.2	36.4





#90

Hexachloroethane

Concen: 49.372 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14MS

Tot Ion:117 Resp: 241855

Ion Ratio Lower Upper

117 100

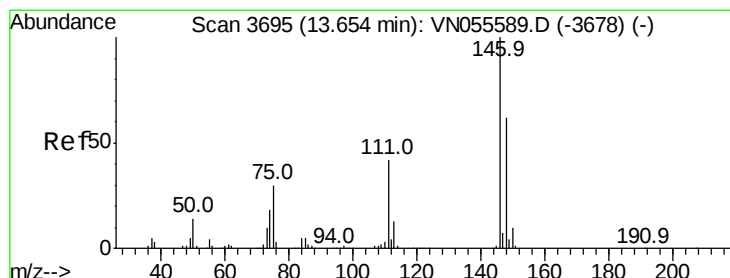
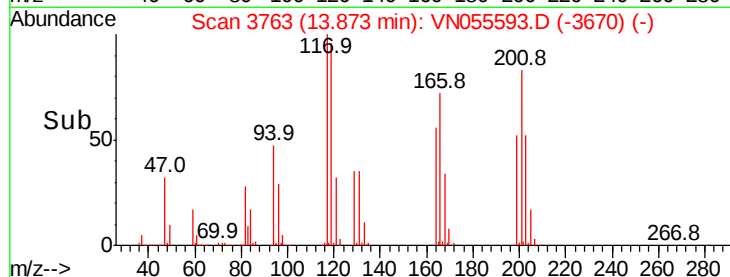
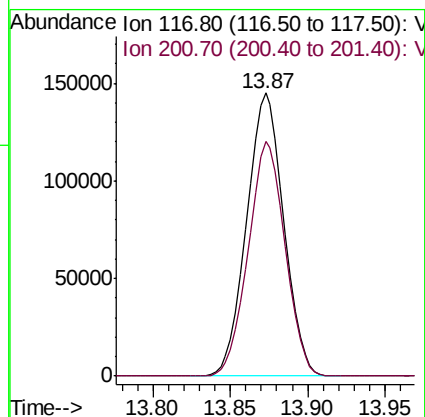
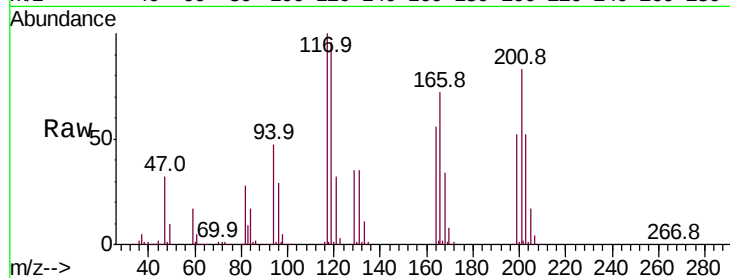
201 82.4 40.6 121.8

Manual Integrations

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#91

1,2-Dichlorobenzene

Concen: 46.179 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

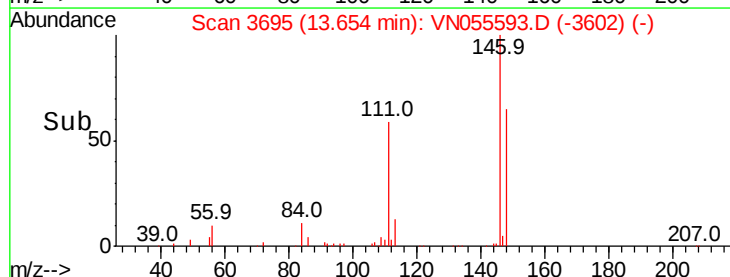
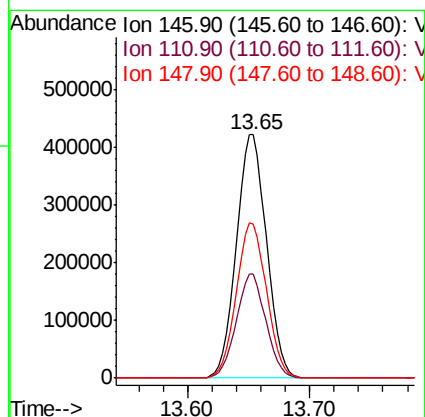
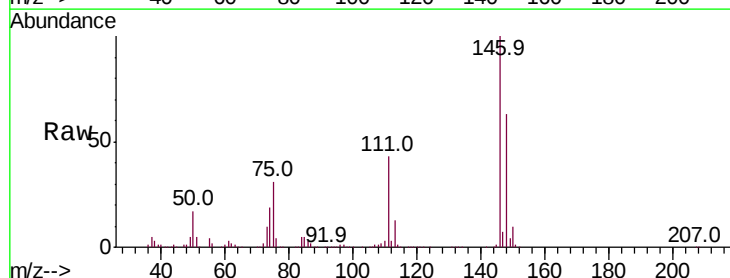
Tgt Ion:146 Resp: 721936

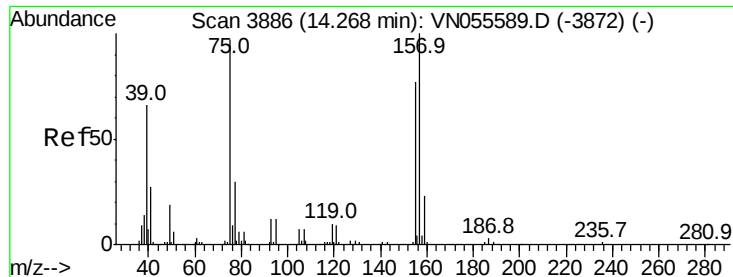
Ion Ratio Lower Upper

146 100

111 41.9 21.0 63.0

148 63.7 31.3 93.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 47.184 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Instrument :

MSVOA_N

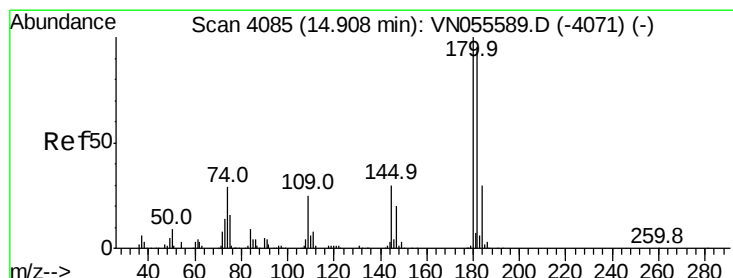
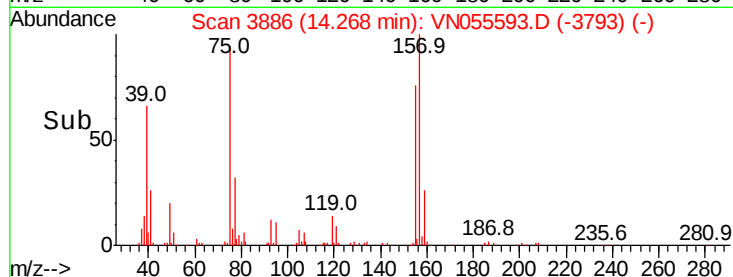
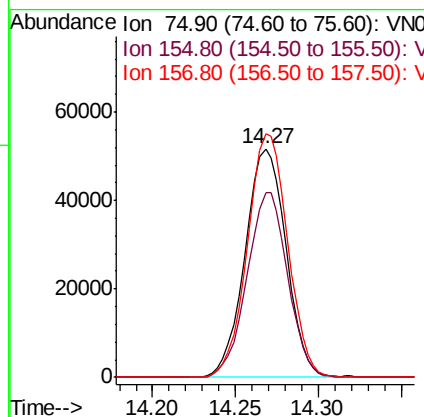
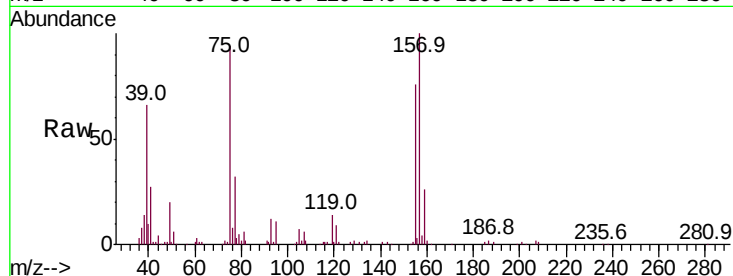
ClientSampleId :

KR-02_4-14MS

Tot Ion:	75	Resp:	89009
Ion Ratio	Lower	Upper	
75	100		
155	79.8	40.4	121.1
157	104.5	52.1	156.4

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 44.018 ug/l

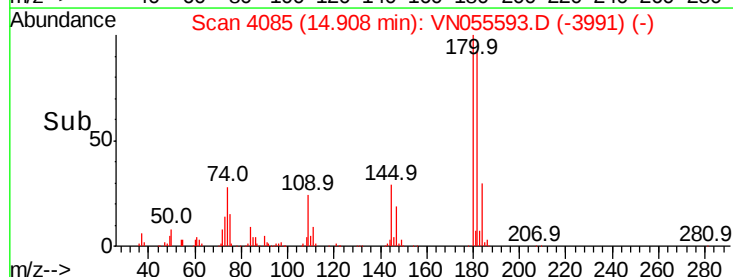
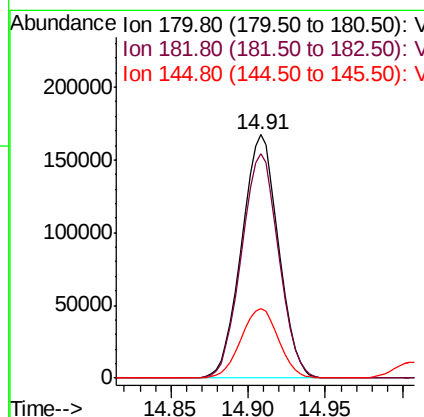
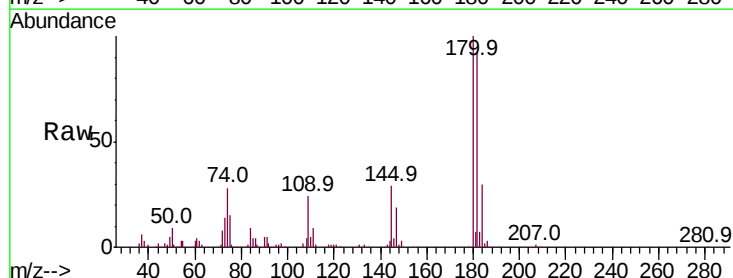
RT: 14.91 min Scan# 4085

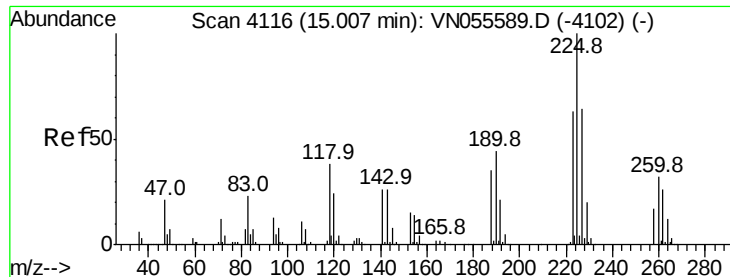
Delta R.T. 0.00 min

Lab File: VN055593.D

Acq: 14 May 2019 15:01

Tgt Ion:	180	Resp:	277209
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.4	142.3
145	29.1	14.9	44.7





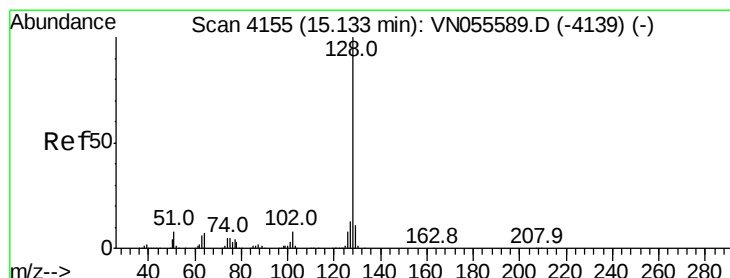
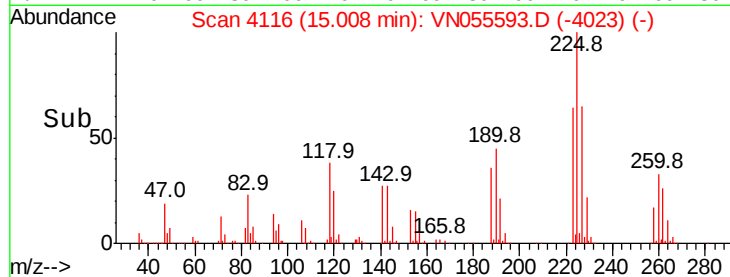
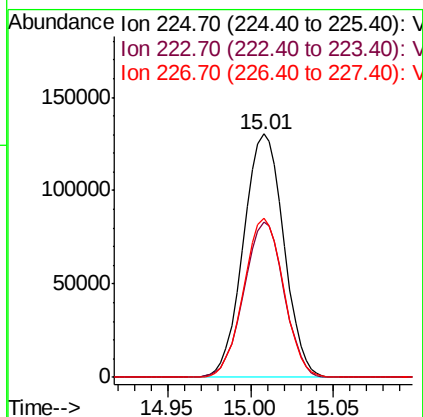
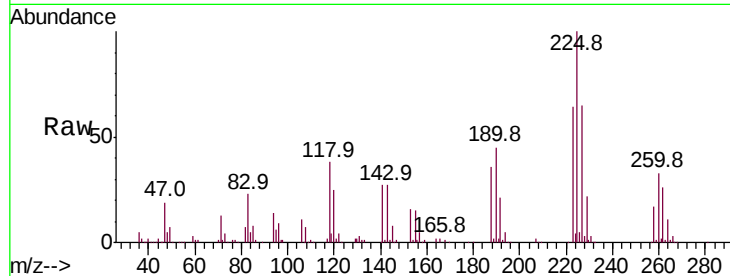
#94
Hexachlorobutadiene
Concen: 51.276 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

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

Tot Ion:	225	Resp:	220421
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.6	95.0
227	64.6	32.4	97.0

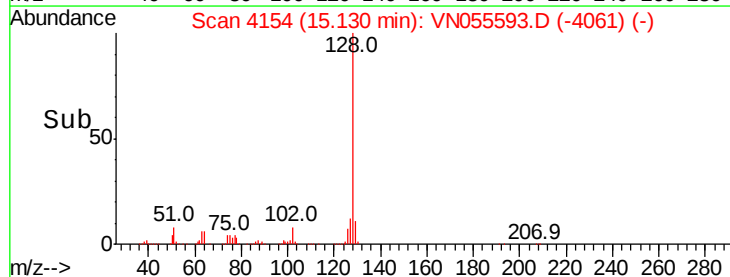
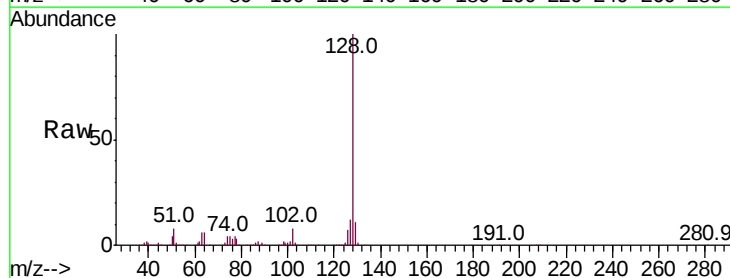
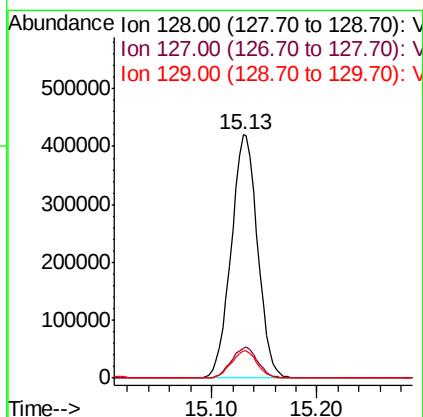
Manual Integrations
APPROVED

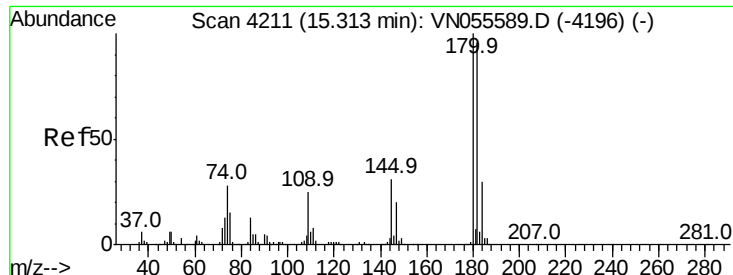
MMDadoda
5/16/2019 1:27:30 PM



#95
Naphthalene
Concen: 43.301 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055593.D
Acq: 14 May 2019 15:01

Tgt Ion:	128	Resp:	726430
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.1	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 44.558 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055593.D
 Acq: 14 May 2019 15:01

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

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.4	47.9	143.6
145	30.7	15.6	46.7

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:30 PM

