

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055582.D
 Acq On : 13 May 2019 18:16
 Operator : JC/SP
 Sample : K2840-06MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02 4-14

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:43:08 AM

Quant Time: May 14 03:26:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	775411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1308926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1141136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	460543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	538421	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	7.59	113	434434	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.09	98	1655689	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	567381	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	210235	26.630	ug/l	99
3) Chloromethane	2.06	50	335149	26.131	ug/l	100
4) Vinyl Chloride	2.19	62	337316	27.861	ug/l	100
5) Bromomethane	2.54	94	198921	29.988	ug/l	100
6) Chloroethane	2.70	64	210285	29.819	ug/l	96
7) Trichlorofluoromethane	3.01	101	392667	29.564	ug/l	99
8) Diethyl Ether	3.41	74	184499	30.931	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	254687	30.139	ug/l	96
10) Methyl Iodide	3.95	142	318446	27.882	ug/l	99
11) Tert butyl alcohol	4.81	59	225352	130.727	ug/l	99
12) 1,1-Dichloroethene	3.73	96	254886	30.076	ug/l	98
13) Acrolein	3.60	56	281762	245.250	ug/l	100
14) Allyl chloride	4.32	41	495564	28.546	ug/l	97
15) Acrylonitrile	4.99	53	773268	144.866	ug/l	99
16) Acetone	3.82	43	580993	107.473	ug/l	96
17) Carbon Disulfide	4.04	76	649818	28.094	ug/l	99
18) Methyl Acetate	4.33	43	326628	28.312	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	873990	31.036	ug/l	96
20) Methylene Chloride	4.54	84	313667	28.375	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	276763	30.121	ug/l	93
22) Diisopropyl ether	5.96	45	1056680	29.953	ug/l	98
23) Vinyl Acetate	5.90	43	3975789	145.726	ug/l	99
24) 1,1-Dichloroethane	5.85	63	563268	29.578	ug/l	100
25) 2-Butanone	6.84	43	981853	131.481	ug/l	97
26) 2,2-Dichloropropane	6.82	77	368258	31.020	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	332821	31.342	ug/l	98
28) Bromochloromethane	7.19	49	452806	45.785	ug/l	92
29) Tetrahydrofuran	7.22	42	673877	136.503	ug/l	98
30) Chloroform	7.37	83	537154	30.512	ug/l	99
31) Cyclohexane	7.65	56	519898	27.592	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	415426	30.987	ug/l	98
36) 1,1-Dichloropropene	7.79	75	400230	31.037	ug/l	98
37) Ethyl Acetate	6.93	43	391071	27.802	ug/l	97
38) Carbon Tetrachloride	7.77	117	336732	31.012	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	460546	29.292	ug/l	97
40) Benzene	8.04	78	1244539	31.097	ug/l	99
41) Methacrylonitrile	7.18	41	198000	30.327	ug/l	94
42) 1,2-Dichloroethane	8.12	62	416189	29.600	ug/l	99
43) Isopropyl Acetate	8.17	43	637214	29.818	ug/l #	88
44) Trichloroethene	8.83	130	302770	31.795	ug/l	97
45) 1,2-Dichloropropane	9.12	63	350875	30.641	ug/l	98
46) Dibromomethane	9.21	93	203975	30.731	ug/l	96
47) Bromodichloromethane	9.40	83	395123	31.117	ug/l	97
48) Methyl methacrylate	9.20	41	298383	28.979	ug/l	96
49) 1,4-Dioxane	9.20	88	112076	558.479	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	2006316	142.747	ug/l	98
52) Toluene	10.16	92	739533	32.322	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	400473	32.838	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	474668	32.572	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	295717	31.900	ug/l	100
56) Ethyl methacrylate	10.43	69	435602	31.591	ug/l	95
57) 1,3-Dichloropropane	10.71	76	514992	31.292	ug/l	99
59) 2-Hexanone	10.75	43	1372608	139.255	ug/l	98
60) Dibromochloromethane	10.90	129	278291	33.018	ug/l	99
61) 1,2-Dibromoethane	11.00	107	283236	31.800	ug/l	97
64) Tetrachloroethene	10.63	164	287234	30.719	ug/l	99
65) Chlorobenzene	11.43	112	756498	32.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	269017	33.284	ug/l	99
67) Ethyl Benzene	11.51	91	1384364	31.396	ug/l	98
68) m/p-Xylenes	11.62	106	1013335	64.038	ug/l	99
69) o-Xylene	11.95	106	501473	32.243	ug/l	98
70) Styrene	11.96	104	821986	32.988	ug/l	99
71) Bromoform	12.13	173	186503	34.195	ug/l	98
73) Isopropylbenzene	12.25	105	1320328	33.965	ug/l	100
74) N-amyl acetate	12.07	43	500473	28.623	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	416444	32.891	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	342849m	27.346	ug/l	
77) Bromobenzene	12.53	156	312732	30.813	ug/l	93
78) n-propylbenzene	12.59	91	1467836	29.716	ug/l	98
79) 2-Chlorotoluene	12.67	91	902169	29.306	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1090884	29.618	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	98568	29.009	ug/l	97
82) 4-Chlorotoluene	12.77	91	865962	29.770	ug/l	97
83) tert-Butylbenzene	12.99	119	923481	29.251	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1026939	30.401	ug/l	99
85) sec-Butylbenzene	13.17	105	1222606	29.139	ug/l	98
86) p-Isopropyltoluene	13.29	119	1022197	29.935	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	505207	32.213	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	486076	31.405	ug/l	99
89) n-Butylbenzene	13.61	91	787309	29.746	ug/l	99
90) Hexachloroethane	13.87	117	161609	29.013	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	503360	32.114	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62018	29.284	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	194166	29.832	ug/l	97

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KR-02_4-14

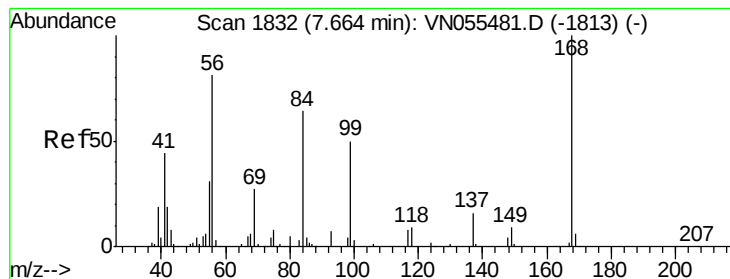
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	156898	33.035	ug/l	99
95) Naphthalene	15.13	128	559757	30.376	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	216050	30.240	ug/l	99

(#) = 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: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion:168 Resp: 775411

Ion Ratio Lower Upper

168 100

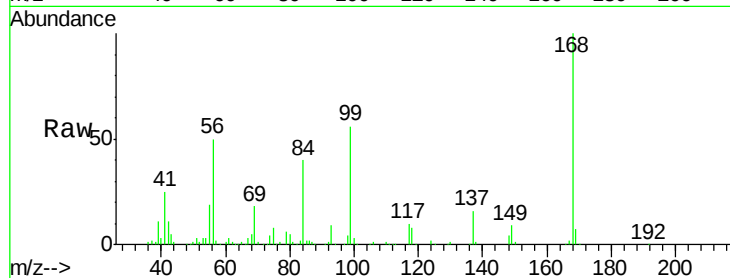
99 55.1 47.0 70.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

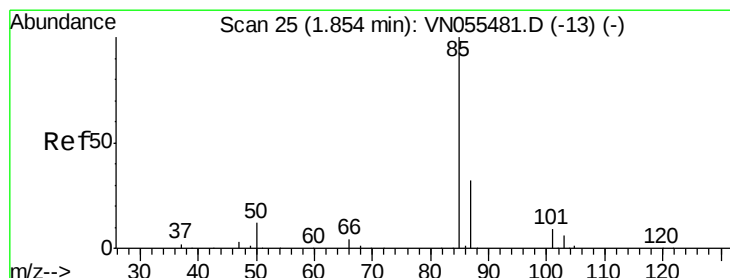
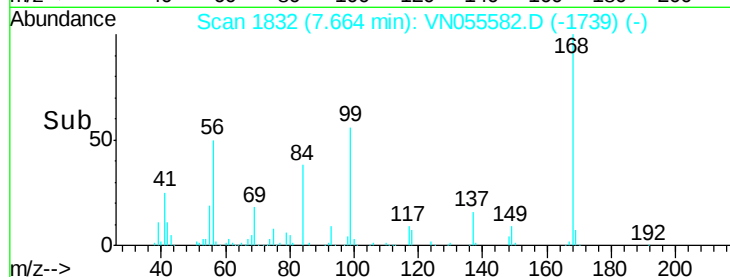
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 26.630 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055582.D

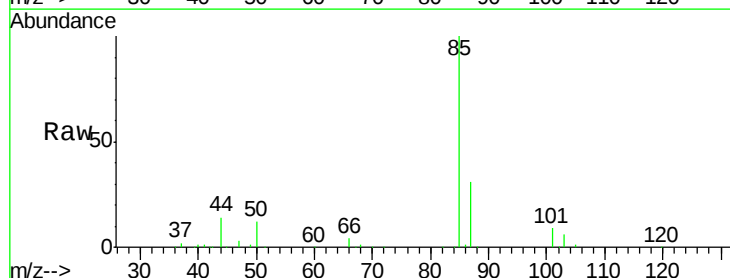
Acq: 13 May 2019 18:16

Tgt Ion: 85 Resp: 210235

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

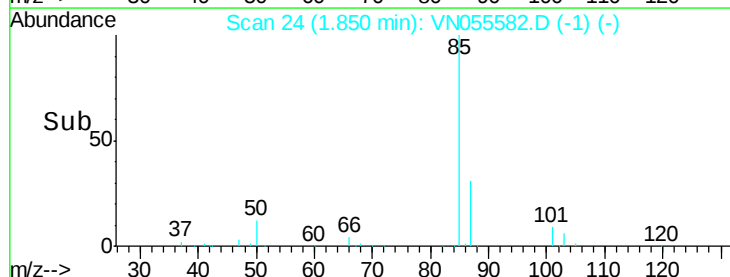
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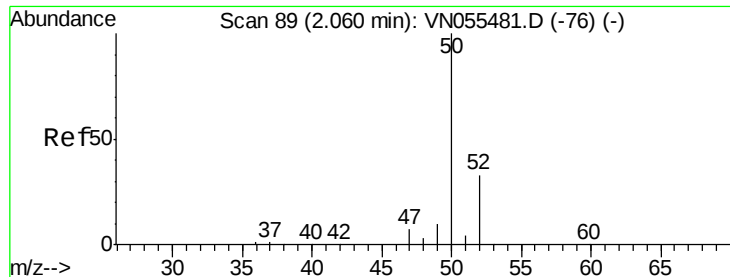
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 26.131 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

KR-02 4-14

Tot Ion: 50 Resp: 335149

Ion Ratio Lower Upper

50 100

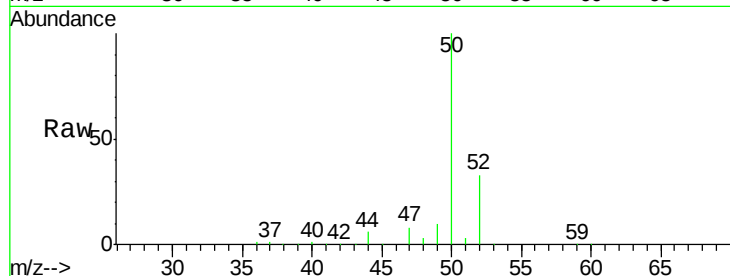
52 33.1 26.6 39.8

Manual Integrations

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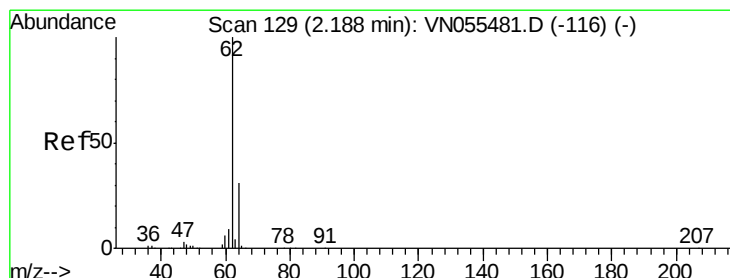
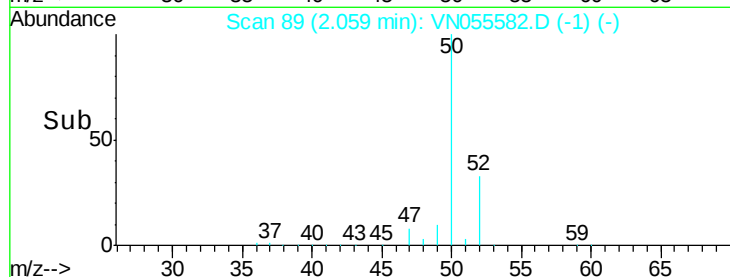
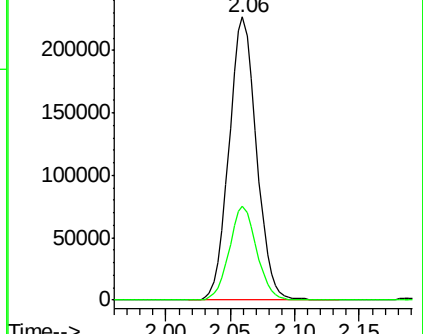
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 27.861 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055582.D

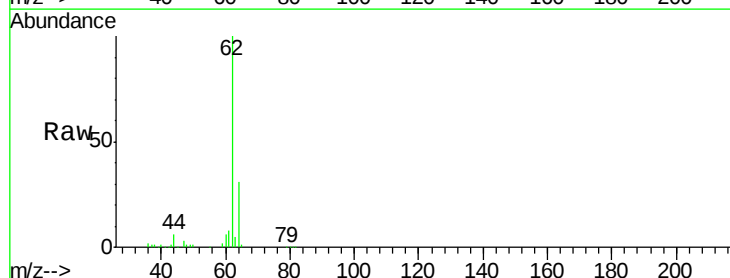
Acq: 13 May 2019 18:16

Tgt Ion: 62 Resp: 337316

Ion Ratio Lower Upper

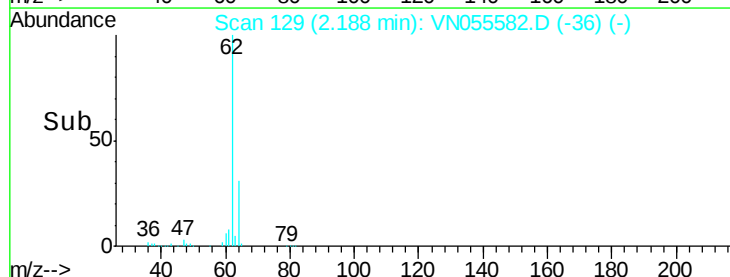
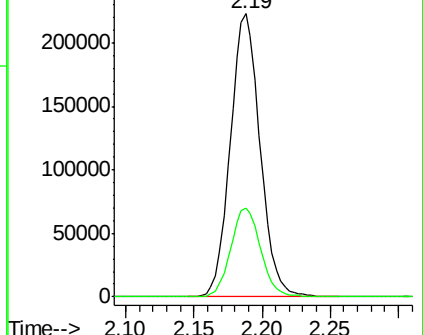
62 100

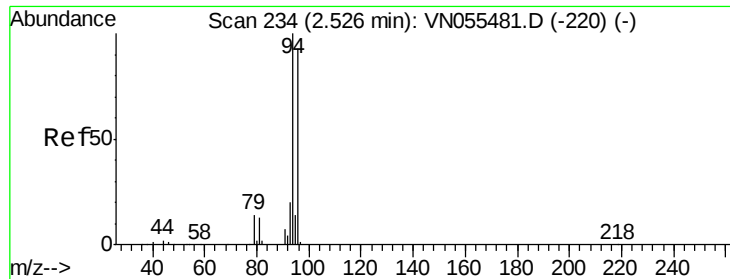
64 31.3 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 29.988 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

KR-02 4-14

Tot Ion: 94 Resp: 198921

Ion Ratio Lower Upper

94 100

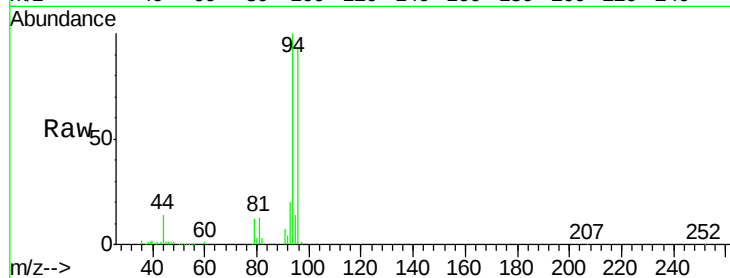
96 93.6 74.8 112.2

Manual Integrations

APPROVED

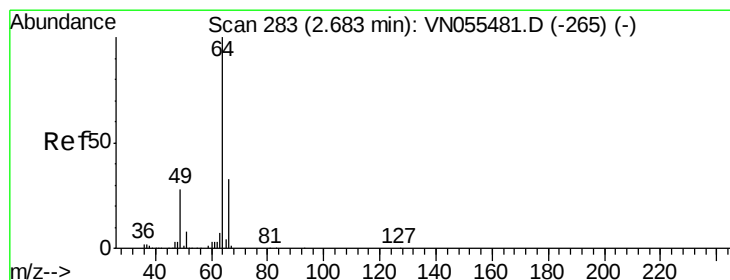
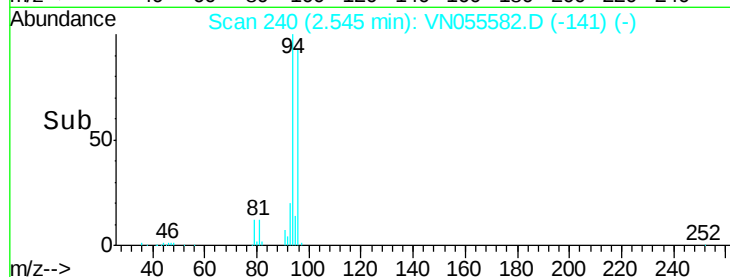
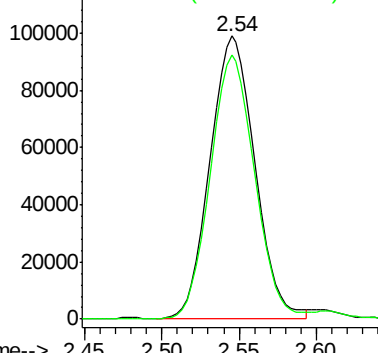
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 29.819 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN055582.D

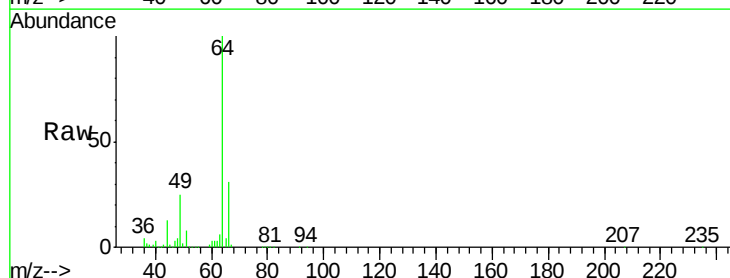
Acq: 13 May 2019 18:16

Tgt Ion: 64 Resp: 210285

Ion Ratio Lower Upper

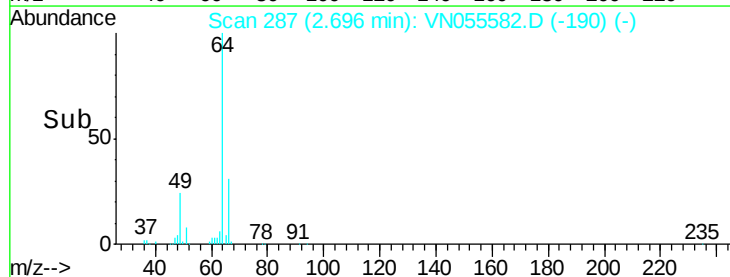
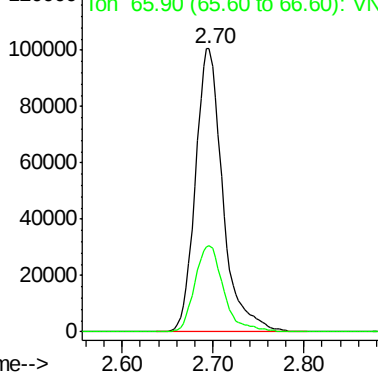
64 100

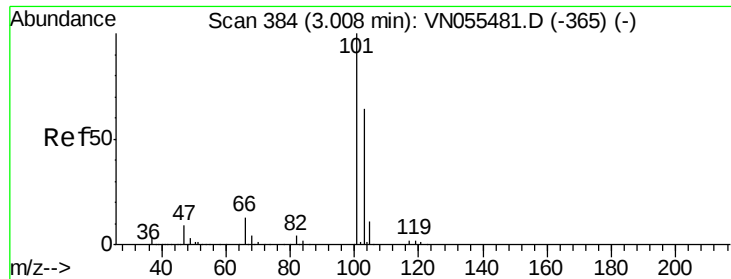
66 30.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

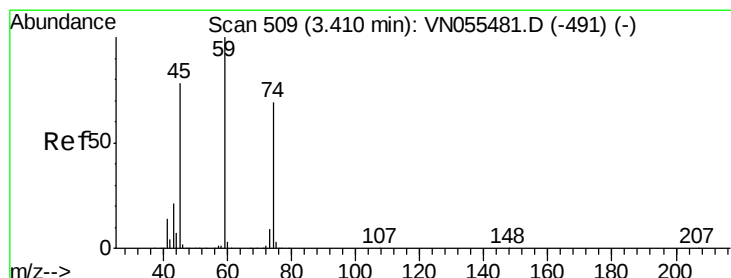
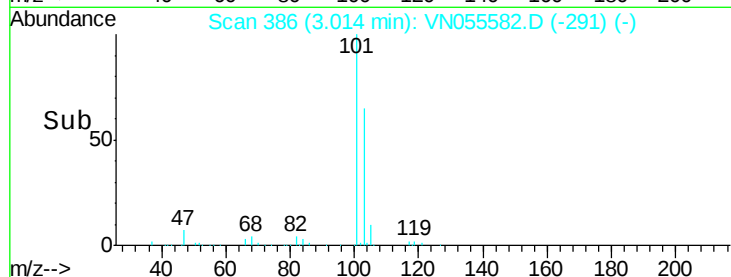
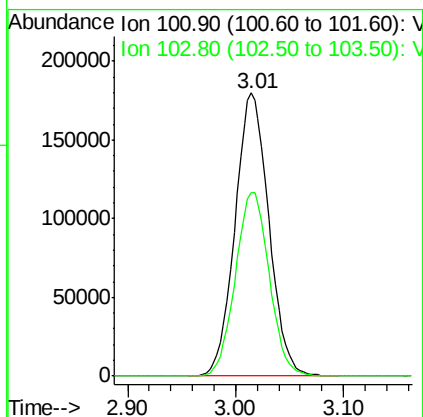
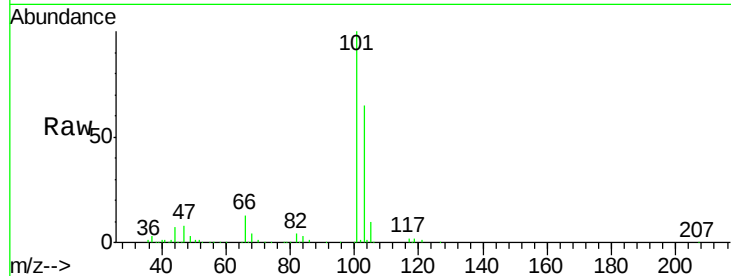
Trichlorofluoromethane
 Concen: 29.564 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Resp	Lower	Upper
101	100	392667		
103	65.1	51.2	76.8	

Manual Integrations
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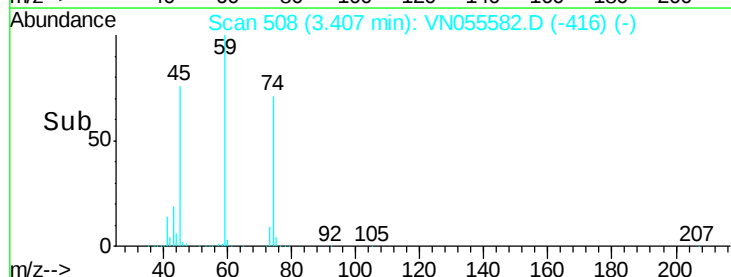
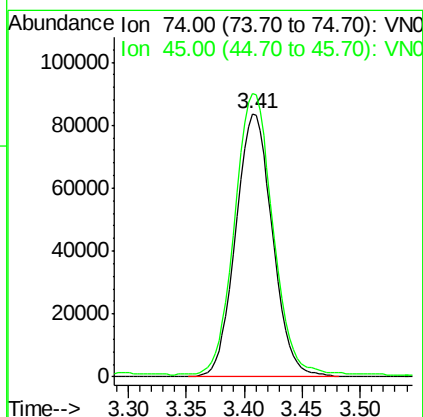
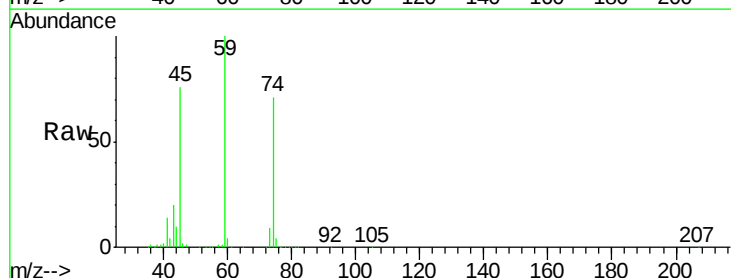
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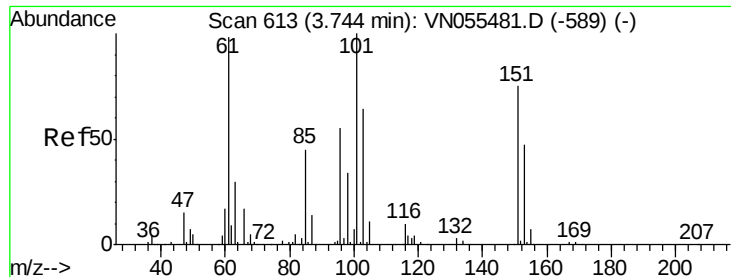


#8

Diethyl Ether
 Concen: 30.931 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	184499		
45	109.6	58.1	174.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.139 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

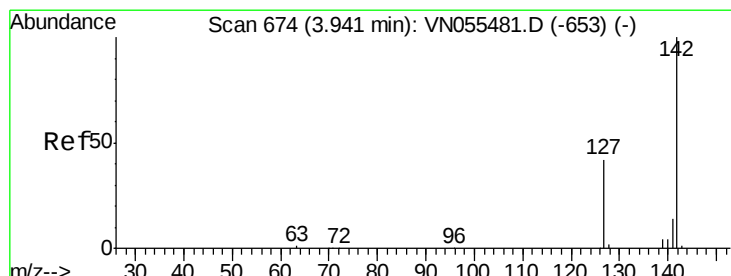
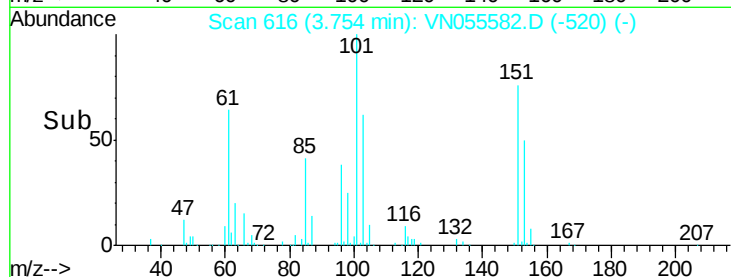
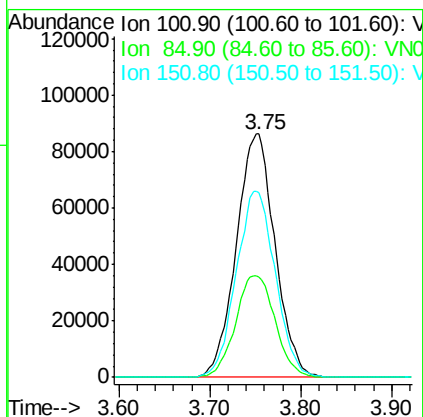
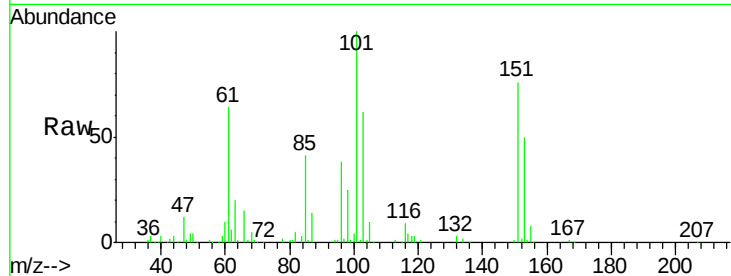
ClientSampleId :

KR-02 4-14

Tot Ion:	101	Resp:	254687
Ion Ratio	Lower	Upper	
101	100		
85	42.5	35.5	53.3
151	77.5	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 27.882 ug/l

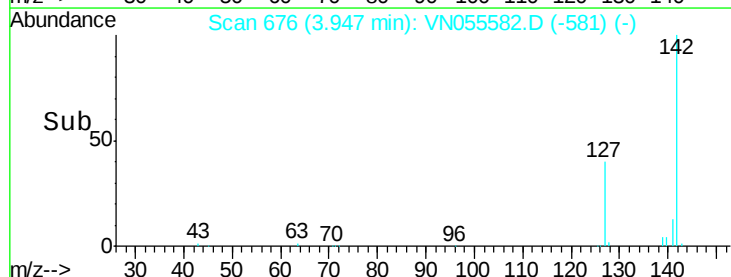
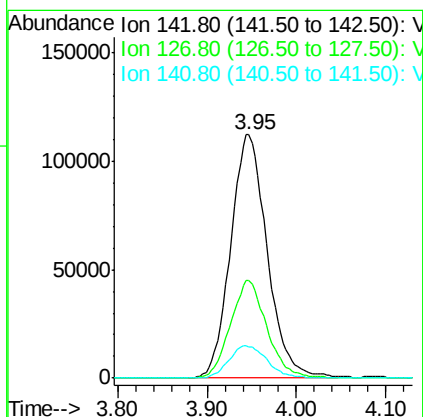
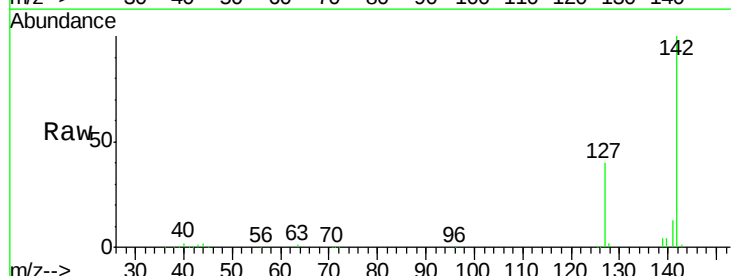
RT: 3.95 min Scan# 676

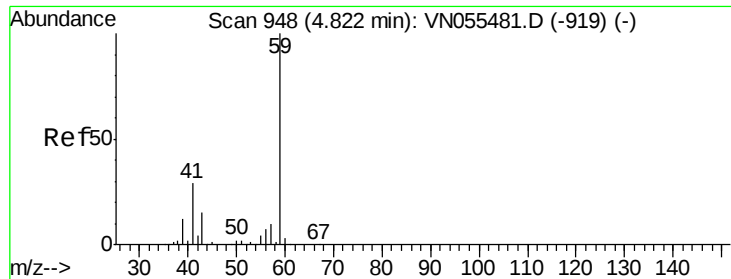
Delta R.T. 0.01 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Tgt Ion:	142	Resp:	318446
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.0	49.4
141	13.9	11.4	17.0





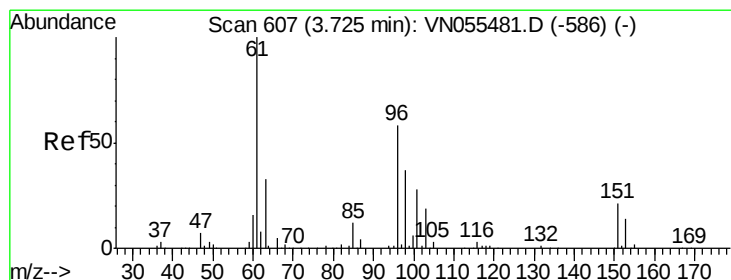
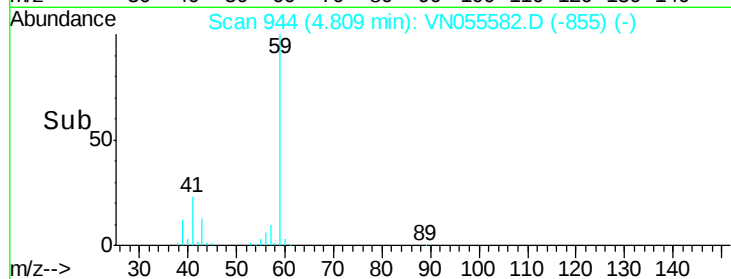
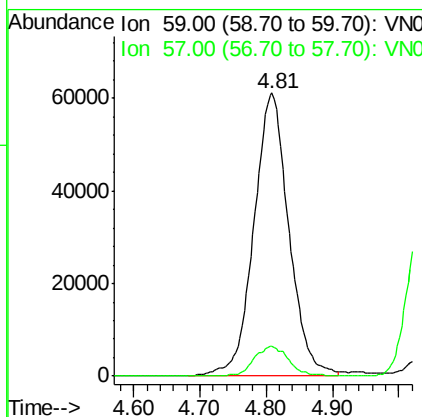
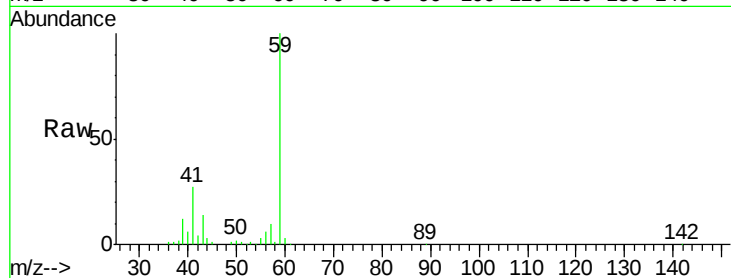
#11
Tert butyl alcohol
Concen: 130.727 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
KR-02 4-14

Tot Ion: 59 Resp: 225352
Ion Ratio Lower Upper
59 100
57 10.4 8.0 12.0

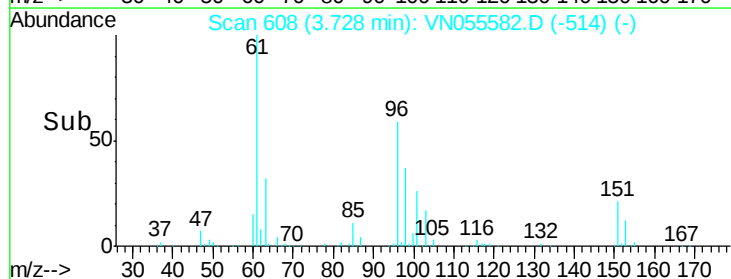
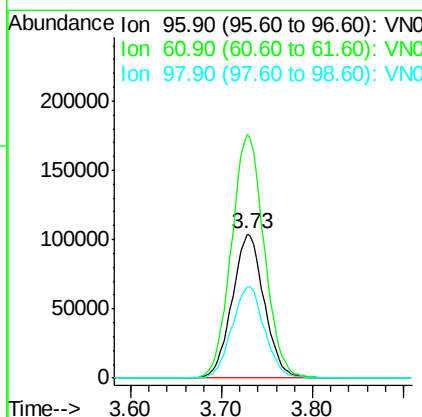
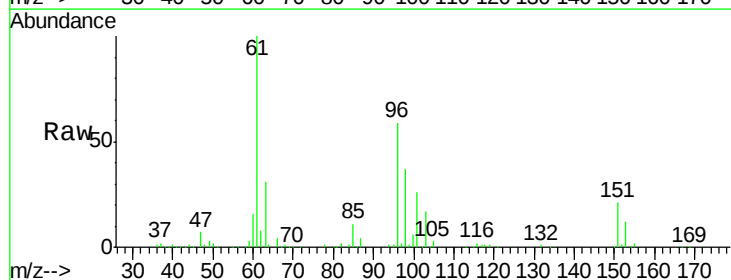
Manual Integrations
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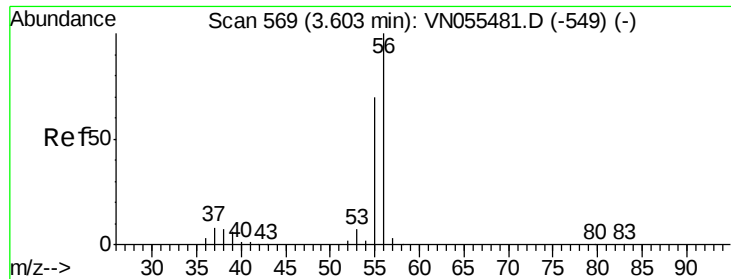
MMDadoda
5/14/2019 9:43:08 AM



#12
1,1-Dichloroethene
Concen: 30.076 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion: 96 Resp: 254886
Ion Ratio Lower Upper
96 100
61 169.2 138.7 208.1
98 63.1 50.6 76.0





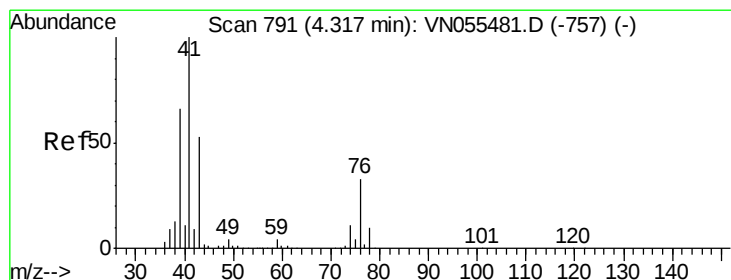
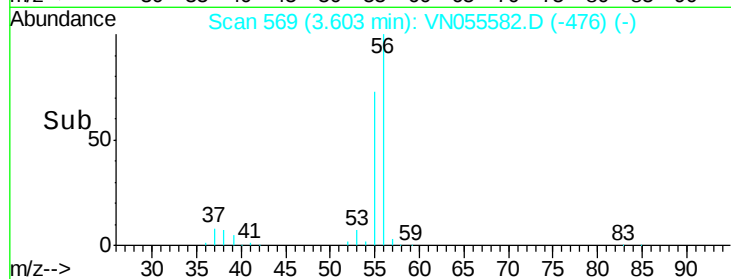
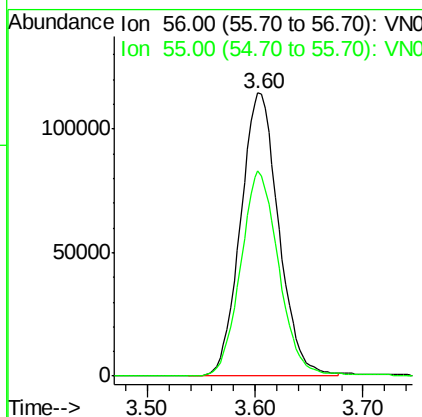
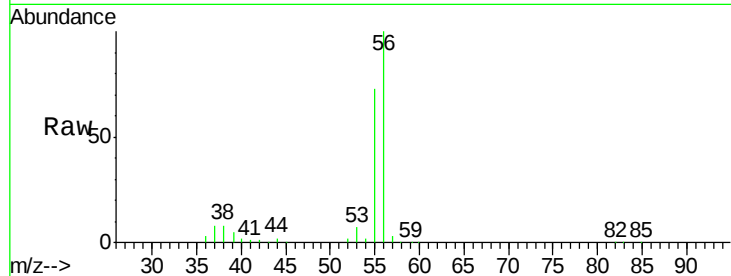
#13
Acrolein
Concen: 245.250 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampled :
KR-02 4-14

Tot Ion	56	55	Ratio	Lower	Upper
281762	100	71.7		57.7	86.5

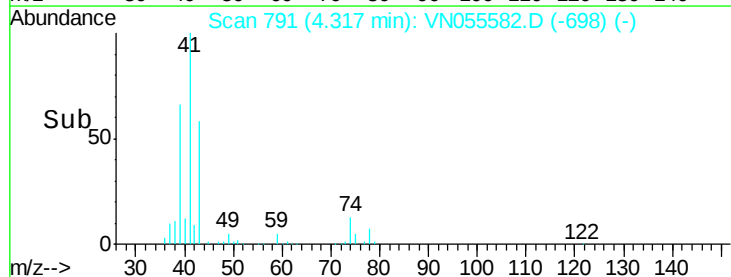
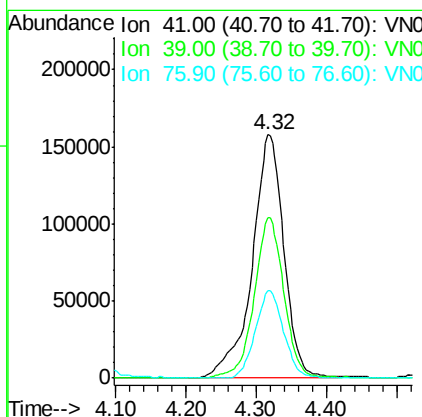
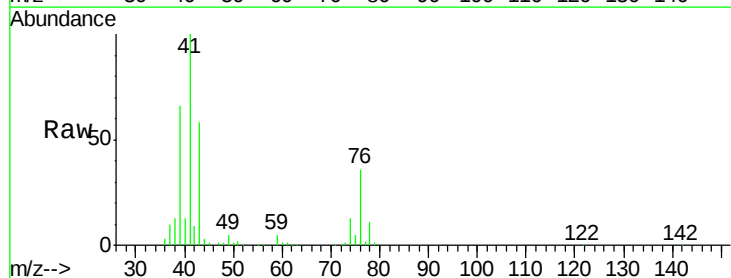
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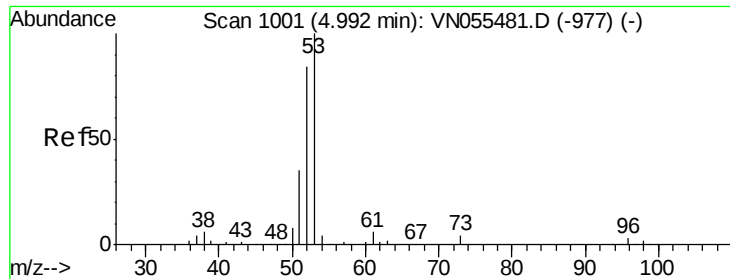
MMDadoda
5/14/2019 9:43:08 AM



#14
Allyl chloride
Concen: 28.546 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion	41	39	76	Ratio	Lower	Upper
495564	100	60.9	32.0		49.8	74.8
					23.5	35.3





#15

Acrylonitrile

Concen: 144.866 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

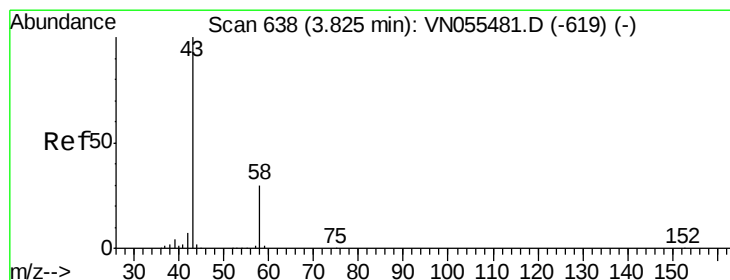
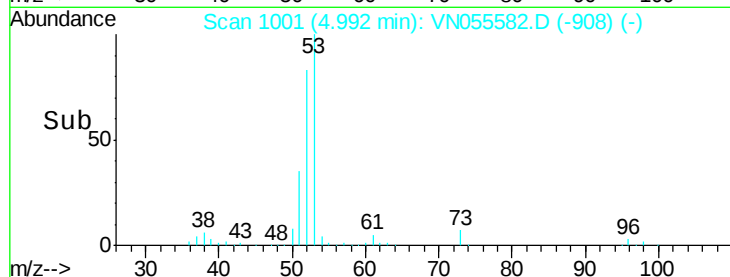
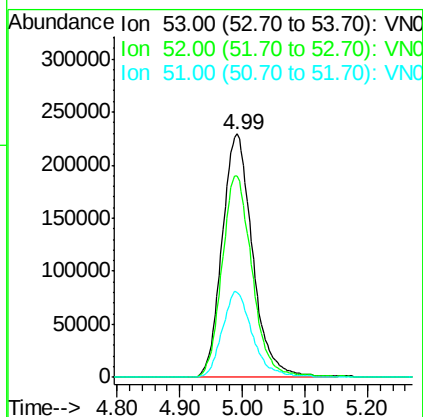
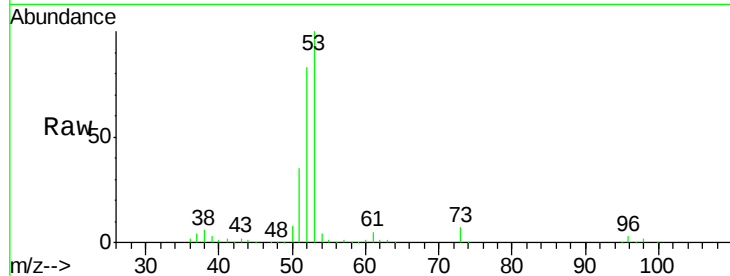
ClientSampleId :

KR-02 4-14

Tot Ion:	53	Resp:	773268
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.1	99.1
51	34.8	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 107.473 ug/l

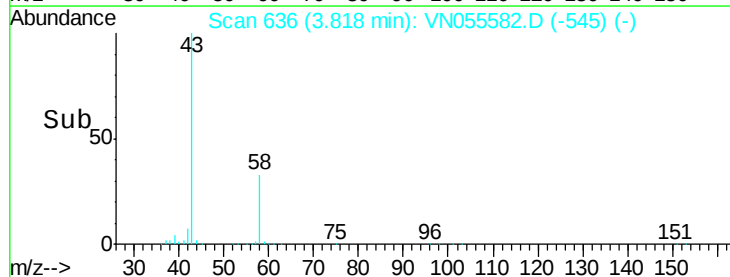
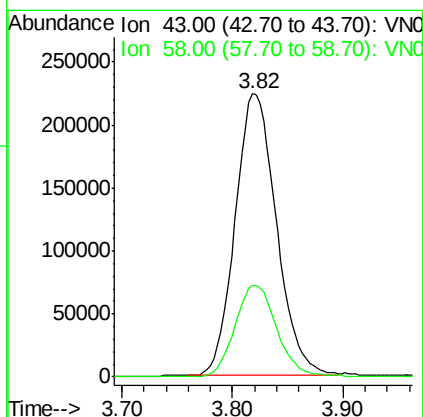
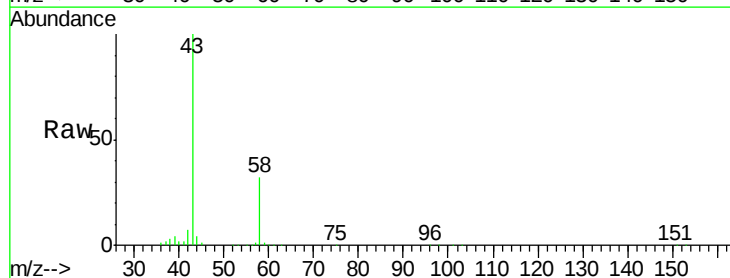
RT: 3.82 min Scan# 636

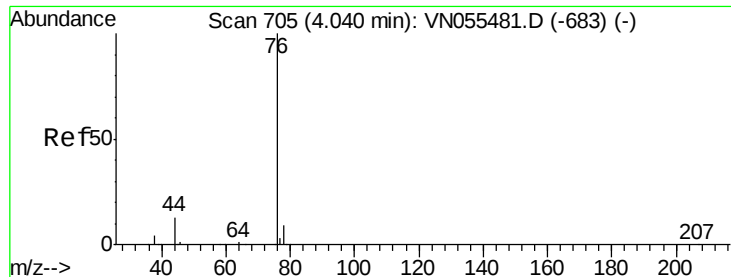
Delta R.T. -0.01 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Tgt Ion:	43	Resp:	580993
Ion Ratio	Lower	Upper	
43	100		
58	32.4	24.2	36.2





#17

Carbon Disulfide

Concen: 28.094 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 76 Resp: 649818

Ion Ratio Lower Upper

76 100

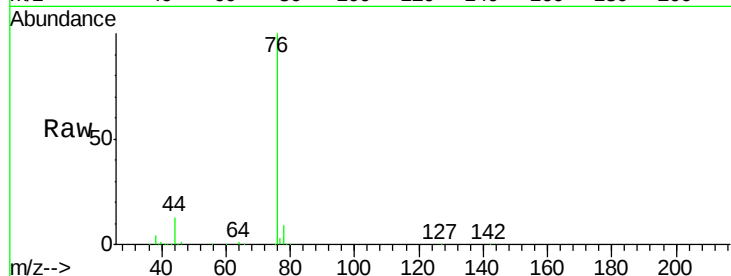
78 8.9 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.04

250000

200000

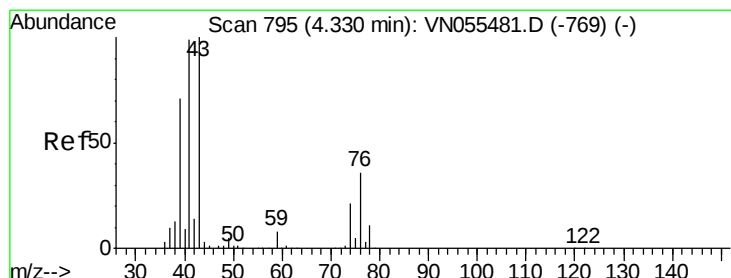
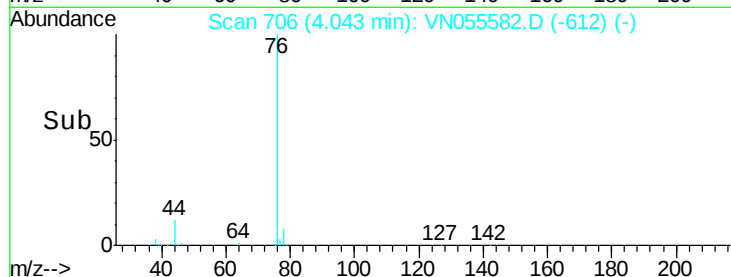
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 28.312 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055582.D

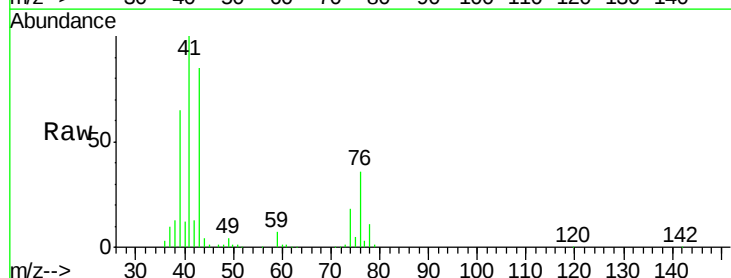
Acq: 13 May 2019 18:16

Tgt Ion: 43 Resp: 326628

Ion Ratio Lower Upper

43 100

74 21.5 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

120000

100000

80000

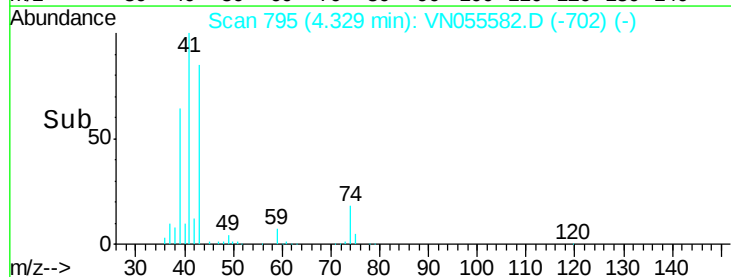
60000

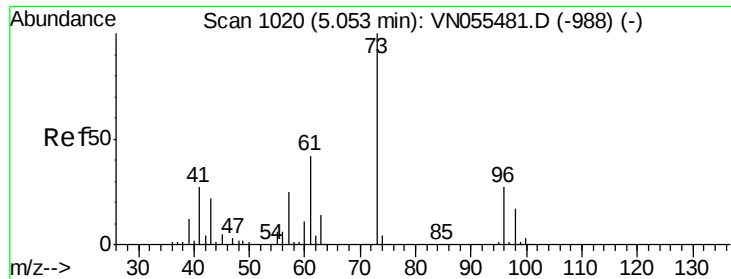
40000

20000

0

Time-->





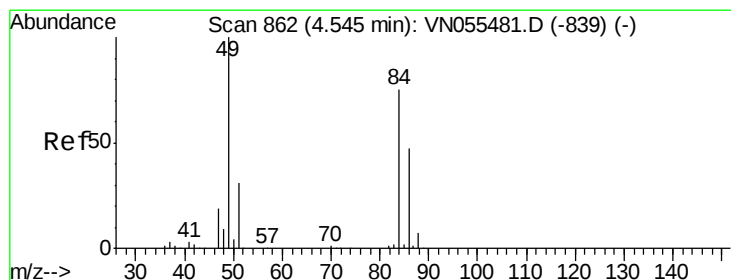
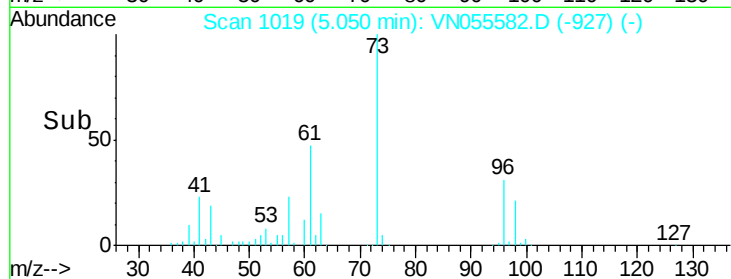
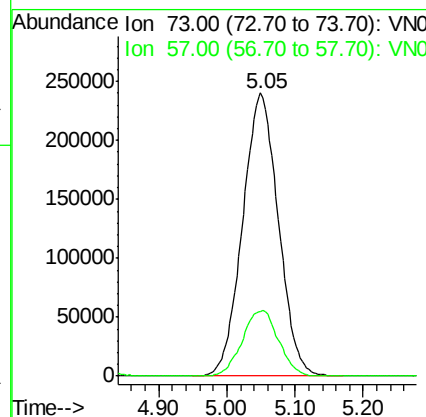
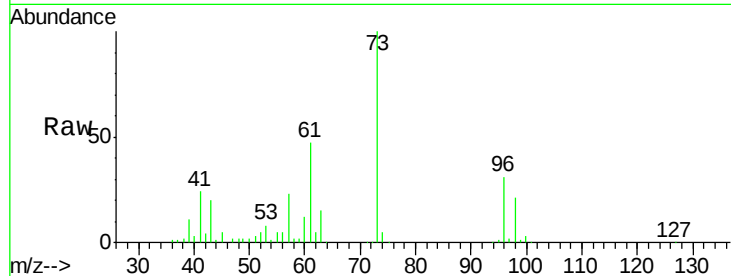
#19
Methvl tert-butvl Ether
Concen: 31.036 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampled :
KR-02 4-14

Tot Ion: 73 Resp: 873990
Ion Ratio Lower Upper
73 100
57 22.8 20.0 30.0

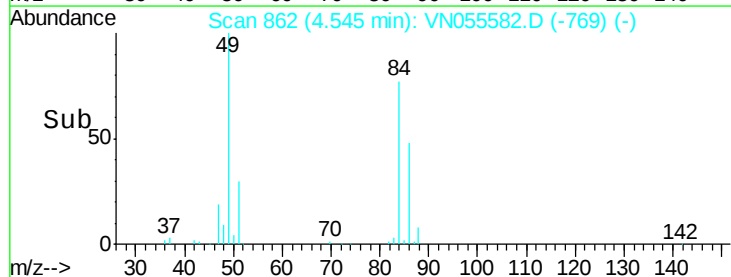
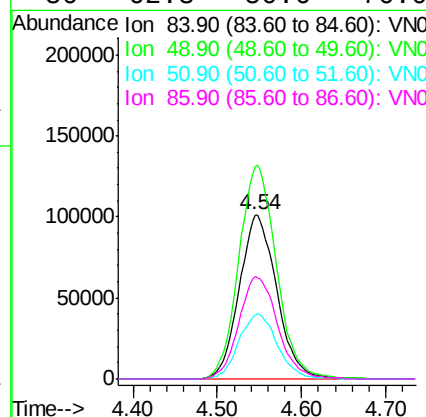
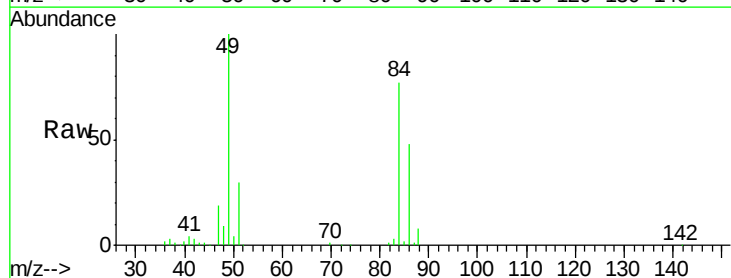
Manual Integrations
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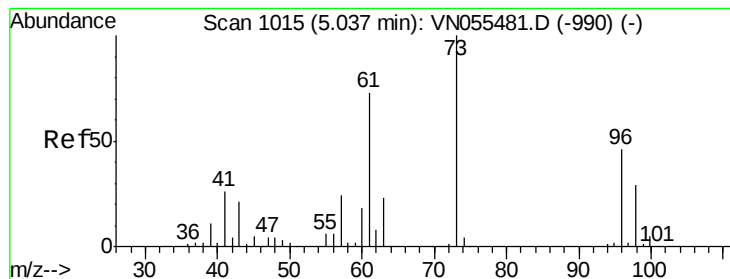
MMDadoda
5/14/2019 9:43:08 AM



#20
Methylene Chloride
Concen: 28.375 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion: 84 Resp: 313667
Ion Ratio Lower Upper
84 100
49 129.3 107.0 160.6
51 39.3 33.0 49.4
86 62.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 30.121 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 96 Resp: 276763

Ion Ratio Lower Upper

96 100

61 148.2 127.4 191.0

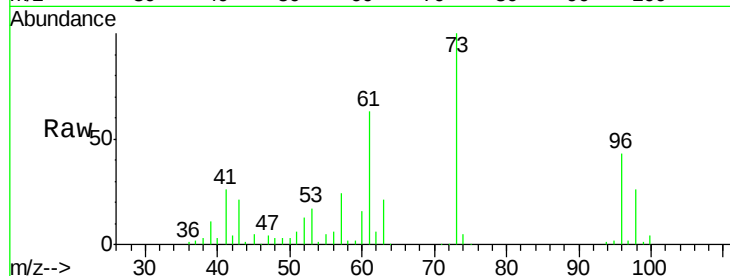
98 60.9 51.6 77.4

Manual Integrations

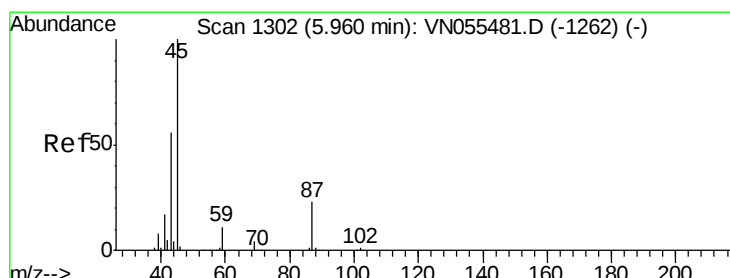
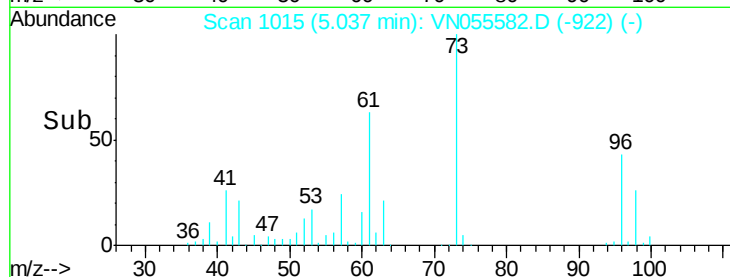
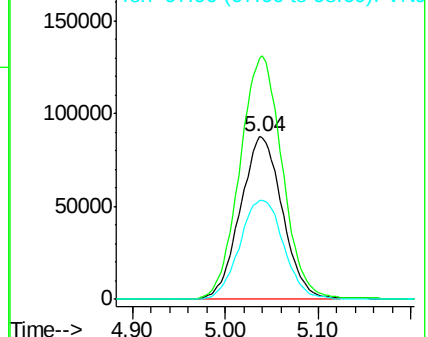
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 29.953 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Tgt Ion: 45 Resp: 1056680

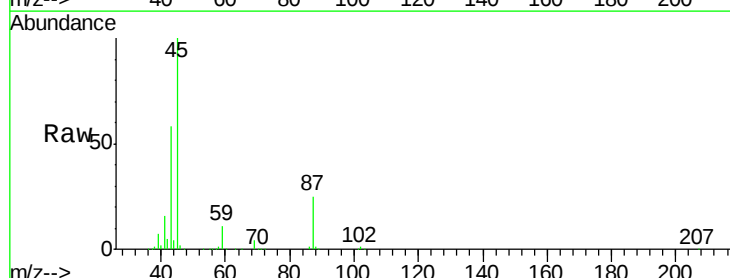
Ion Ratio Lower Upper

45 100

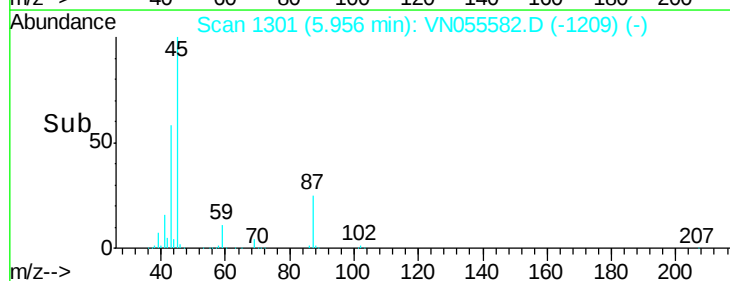
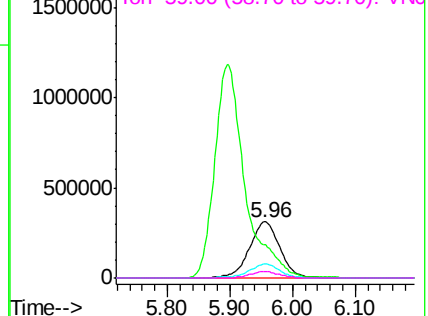
43 57.1 44.6 66.8

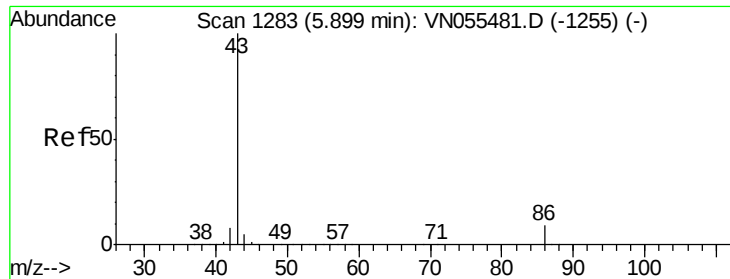
87 24.7 18.6 28.0

59 11.1 8.6 12.8



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





#23

Vinyl Acetate

Concen: 145.726 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

KR-02 4-14

Tot Ion: 43 Resp: 3975789

Ion Ratio Lower Upper

43 100

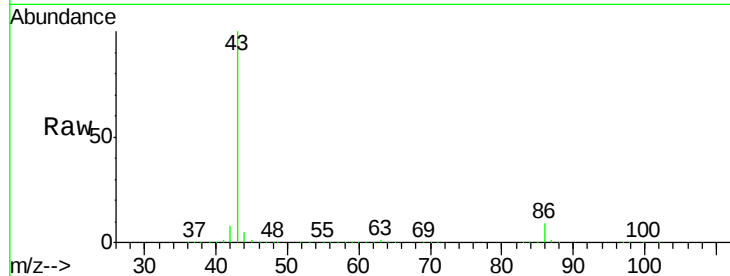
86 9.2 7.1 10.7

Manual Integrations

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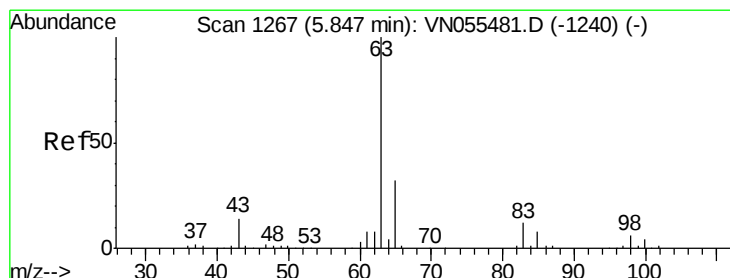
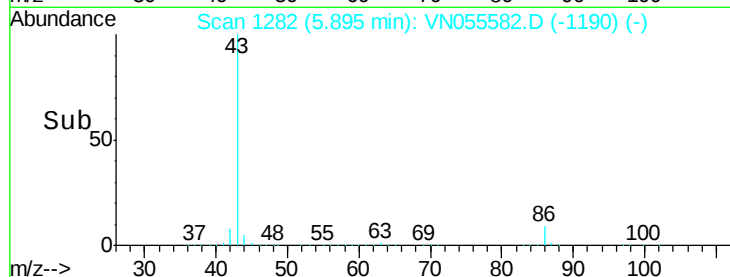
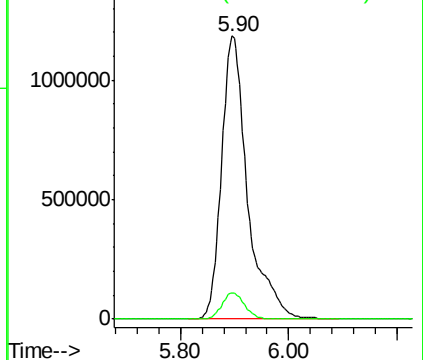
MMDadoda

5/14/2019 9:43:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 29.578 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

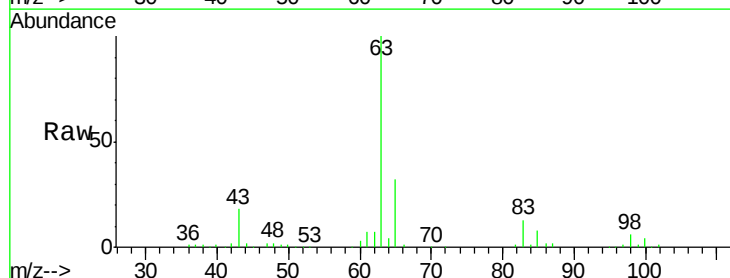
Tgt Ion: 63 Resp: 563268

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

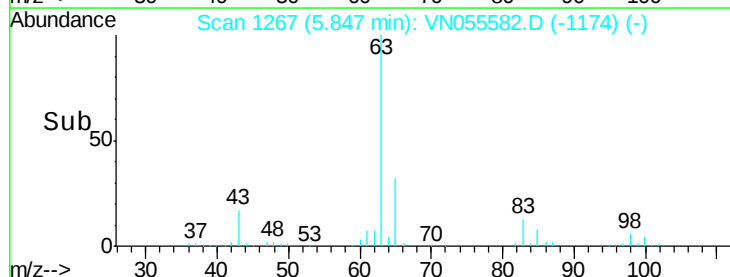
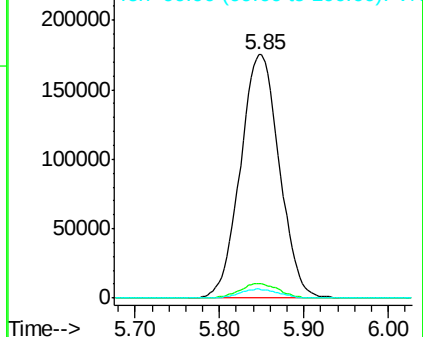
100 3.7 1.9 5.7

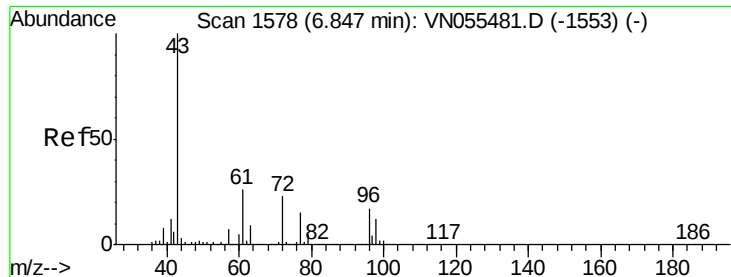


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





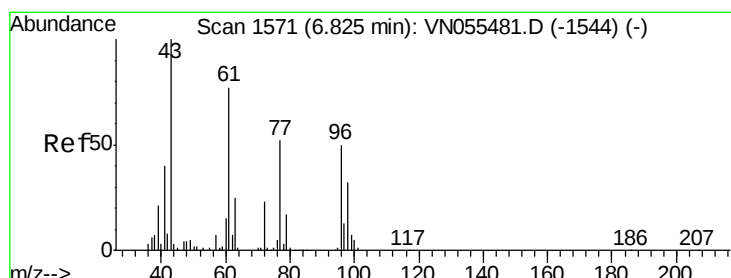
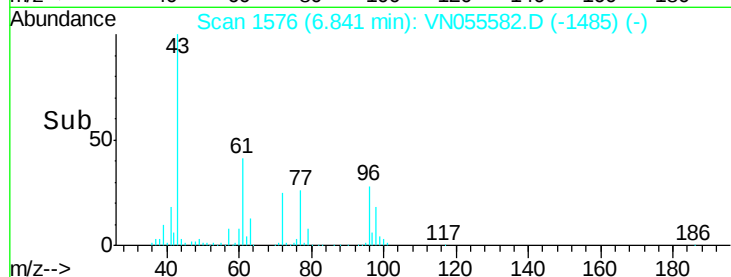
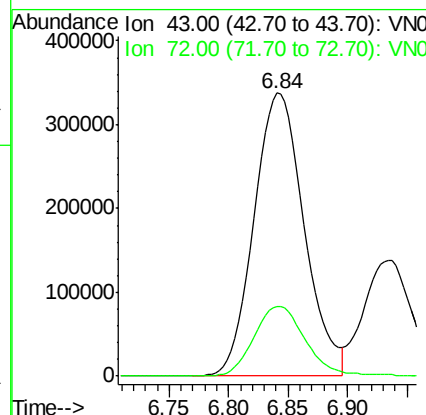
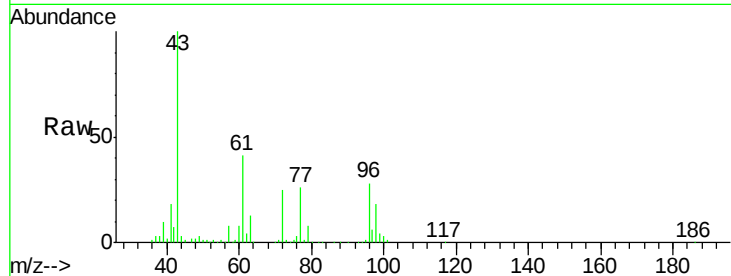
#25
2-Butanone
Concen: 131.481 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion: 43 Resp: 981853
Ion Ratio Lower Upper
43 100
72 24.7 18.6 27.8

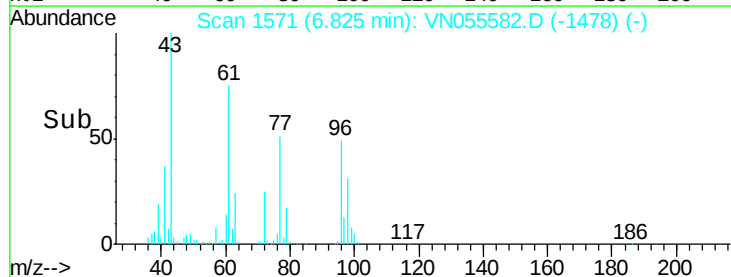
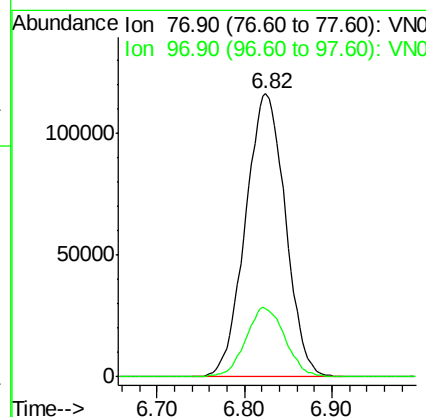
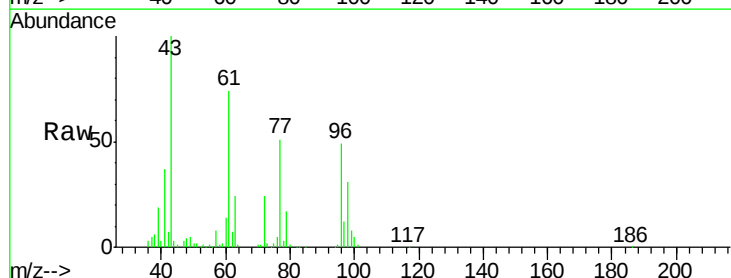
Manual Integrations
APPROVED

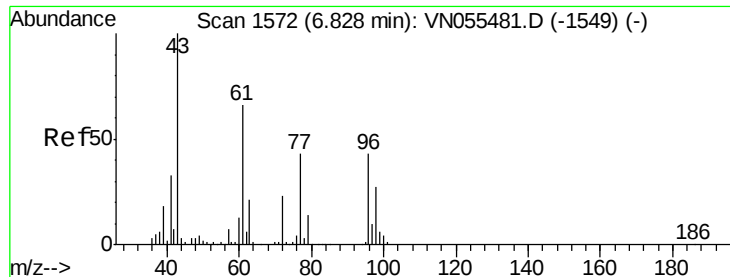
MMDadoda
5/14/2019 9:43:08 AM



#26
2,2-Dichloropropane
Concen: 31.020 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion: 77 Resp: 368258
Ion Ratio Lower Upper
77 100
97 24.1 11.5 34.5





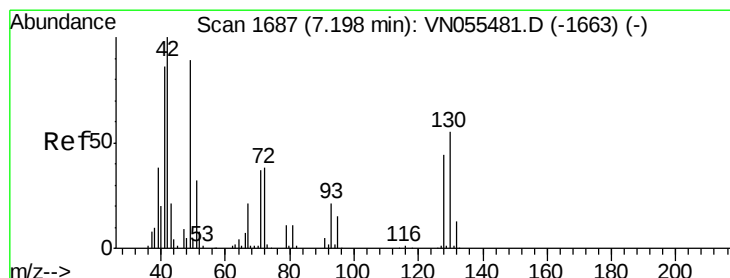
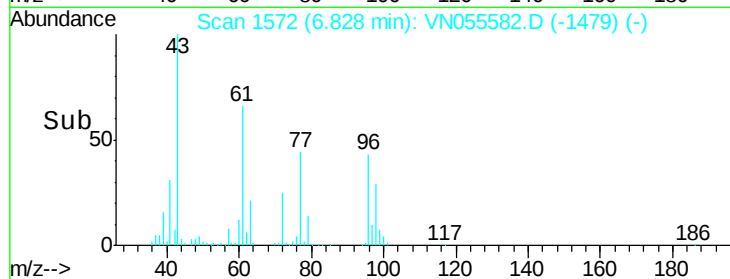
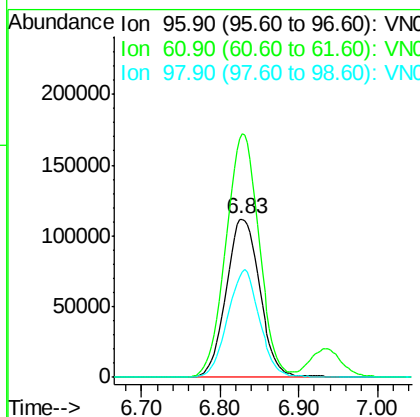
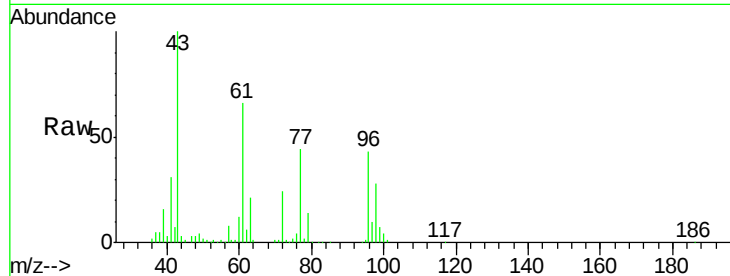
#27
 cis-1,2-Dichloroethene
 Concen: 31.342 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.2	0.0	310.8	
98	64.3	0.0	129.4	

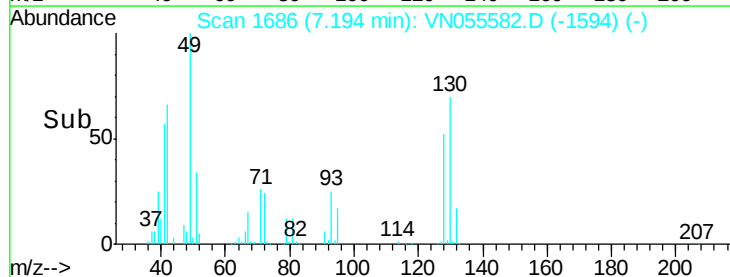
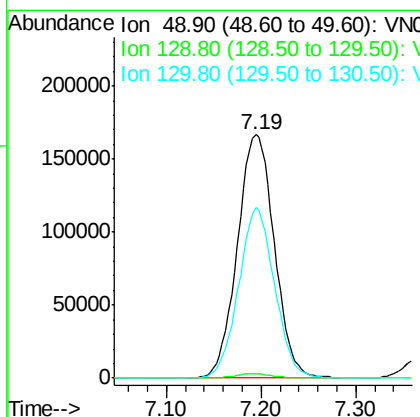
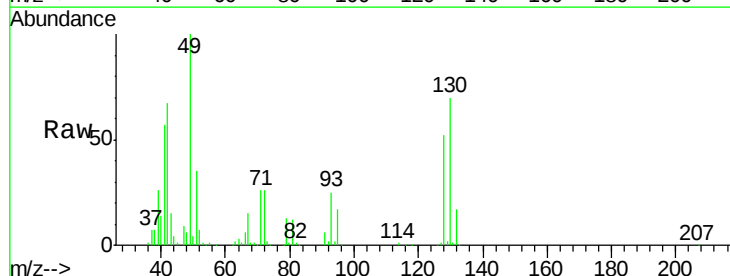
Manual Integrations
 APPROVED

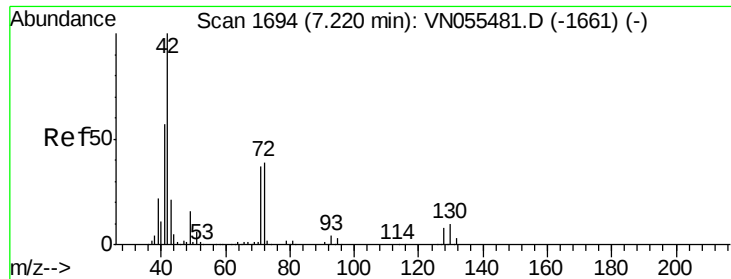
MMDadoda
 5/14/2019 9:43:08 AM



#28
 Bromochloromethane
 Concen: 45.785 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.2	
130	68.1	49.5	74.3	





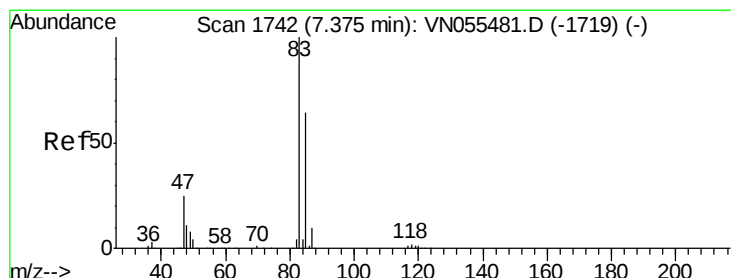
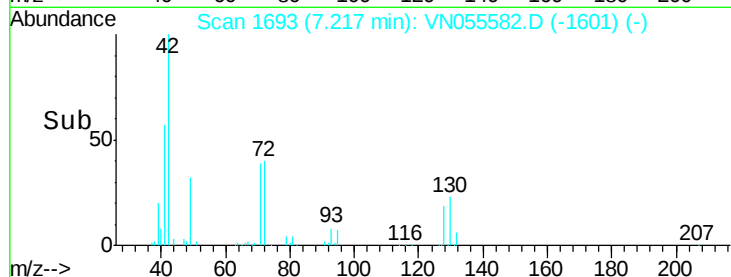
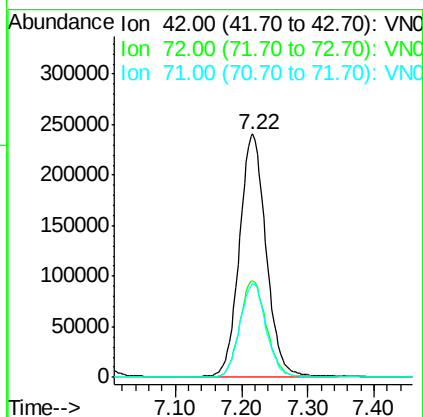
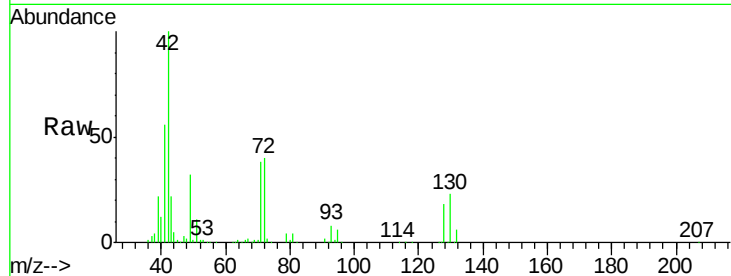
#29
Tetrahydrofuran
Concen: 136.503 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.0	46.6
71	38.0	29.4	44.2

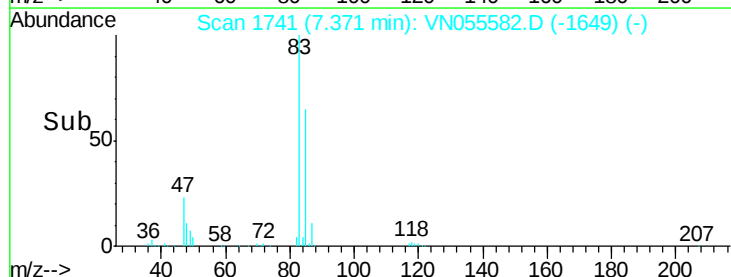
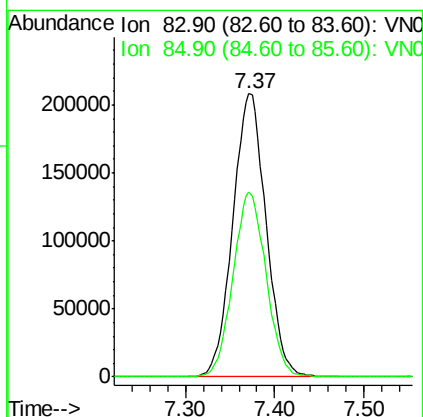
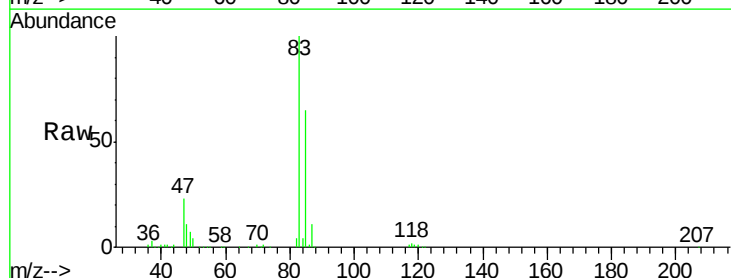
Manual Integrations
APPROVED

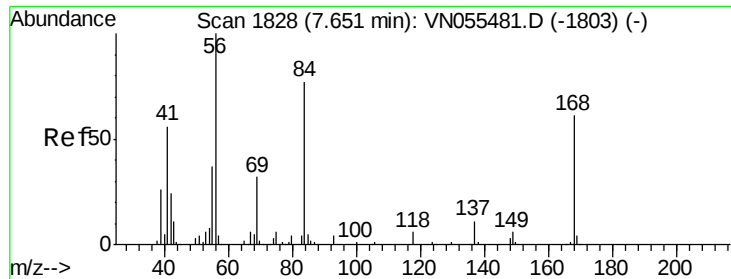
MMDadoda
5/14/2019 9:43:08 AM



#30
Chloroform
Concen: 30.512 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.3	76.9





#31

Cyclohexane

Concen: 27.592 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 56 Resp: 519898

Ion Ratio Lower Upper

56 100

69 33.8 26.0 39.0

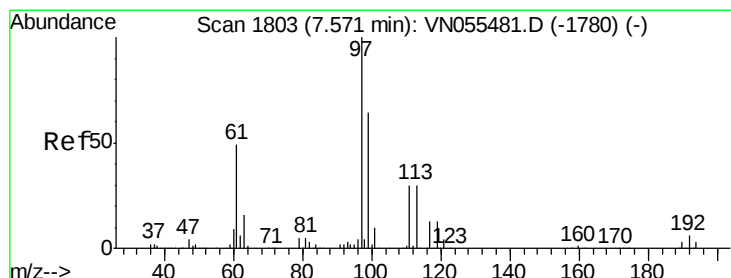
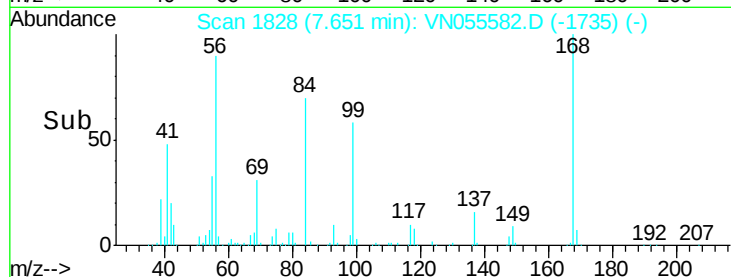
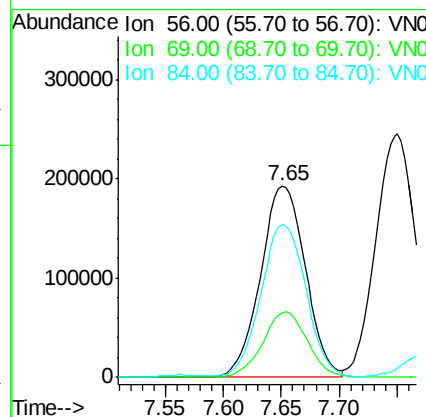
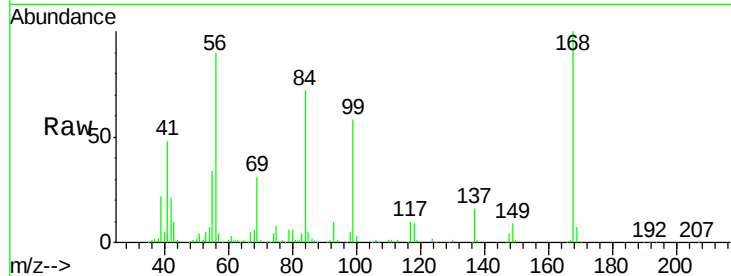
84 78.6 61.9 92.9

Manual Integrations

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5/14/2019 9:43:08 AM



#32

1,1,1-Trichloroethane

Concen: 30.987 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

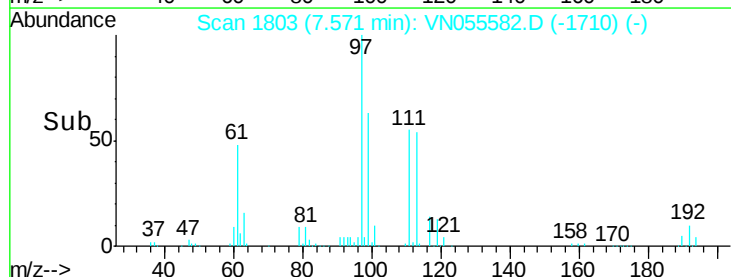
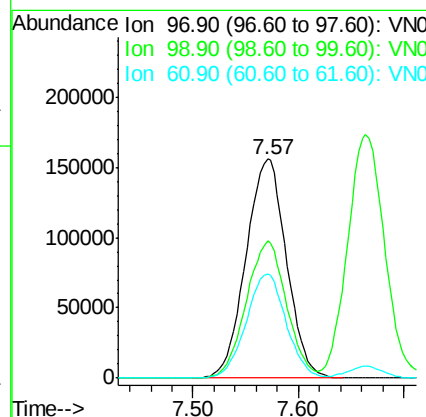
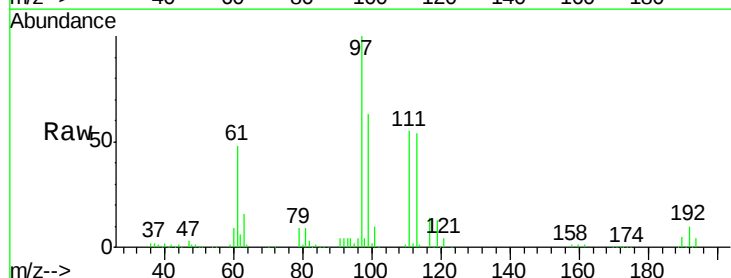
Tgt Ion: 97 Resp: 415426

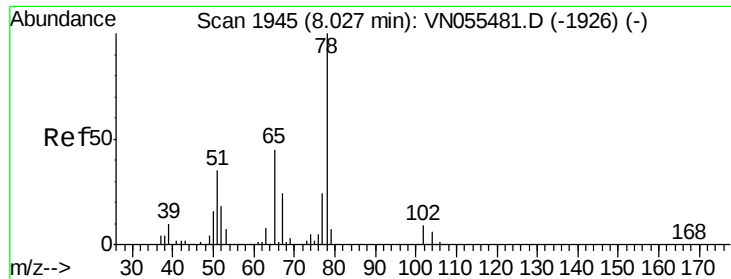
Ion Ratio Lower Upper

97 100

99 62.5 51.2 76.8

61 47.1 39.2 58.8





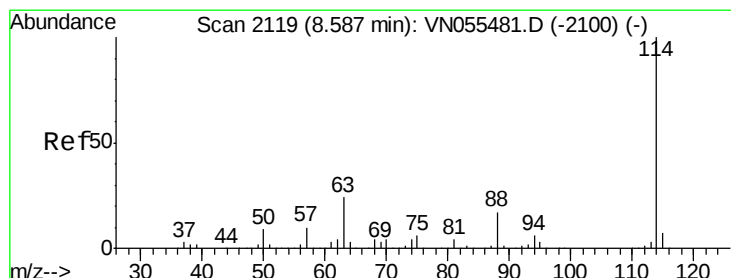
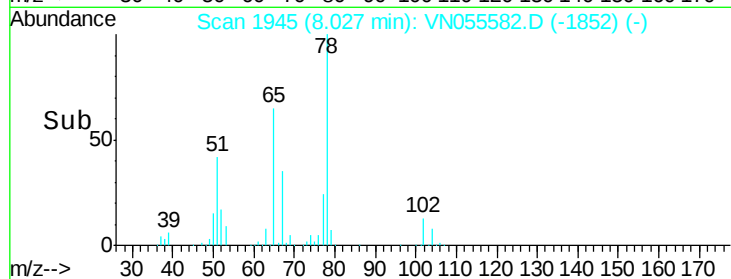
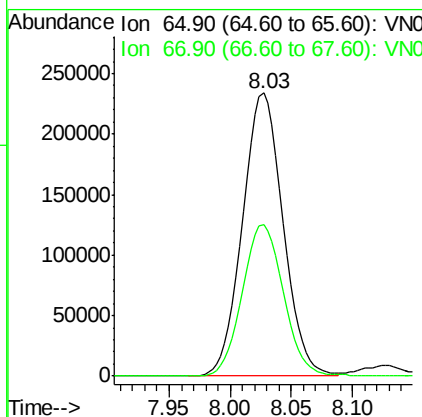
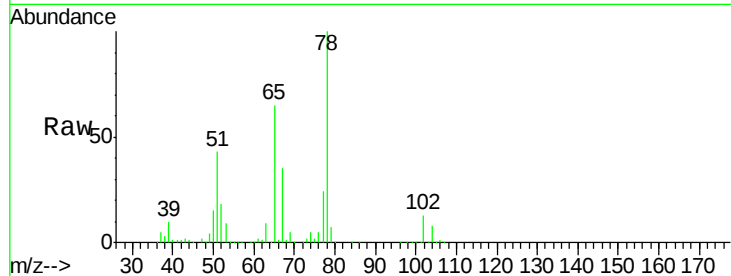
#33
 1,2-Dichloroethane-d4
 Concen: 46.117 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Resp	Lower	Upper
65	100	538421		
67	54.3	0.0	109.6	

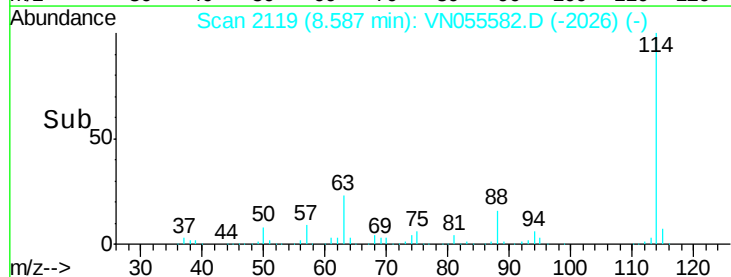
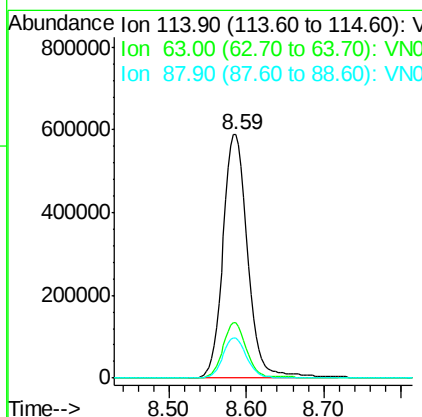
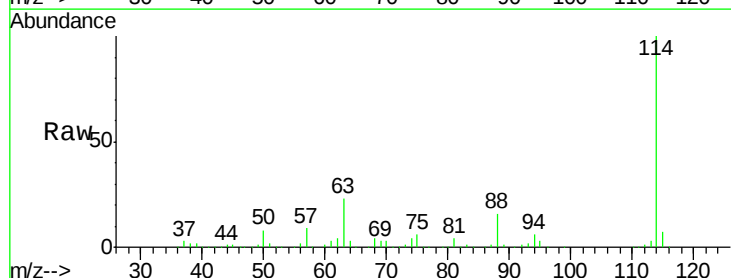
Manual Integrations
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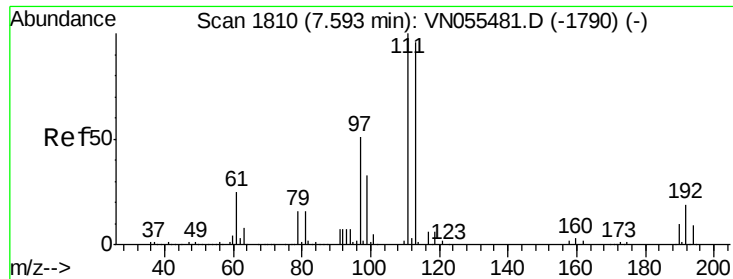
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 5/14/2019 9:43:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1308926		
63	22.6	0.0	47.4	
88	16.4	0.0	34.0	





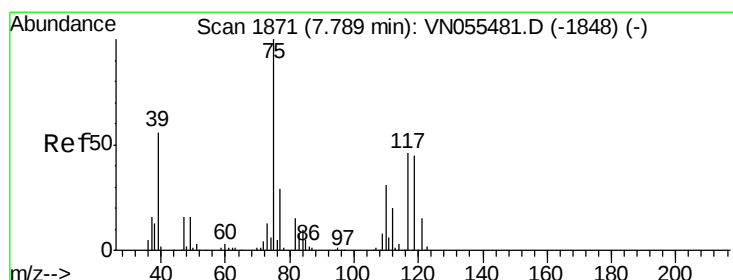
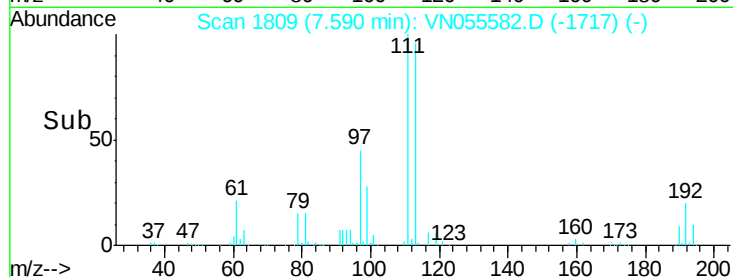
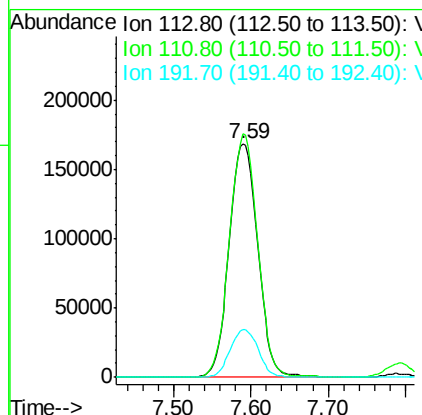
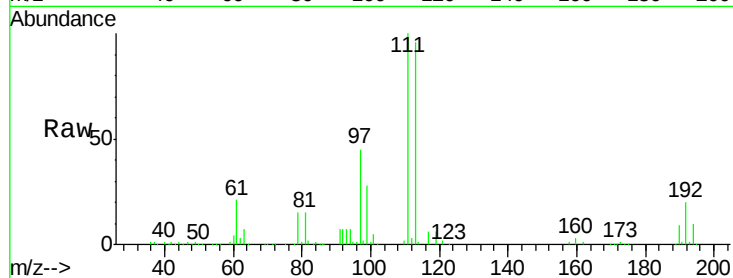
#35
Dibromofluoromethane
Concen: 51.451 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.9	124.3	
192	20.0	15.6	23.4	

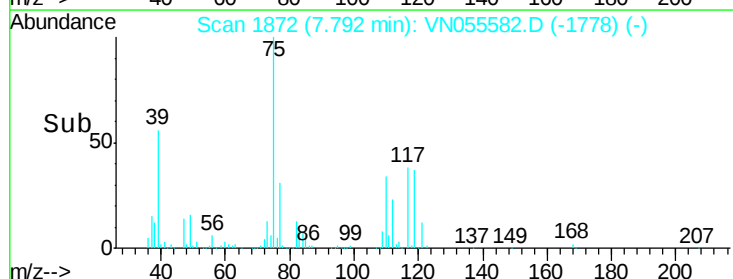
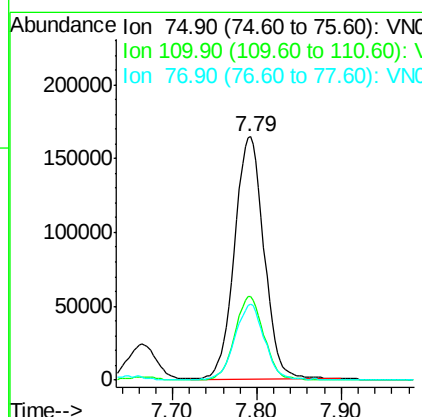
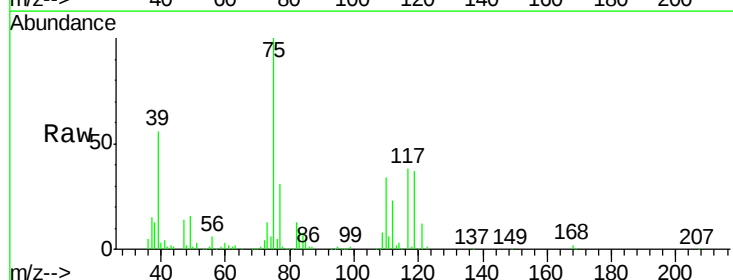
Manual Integrations
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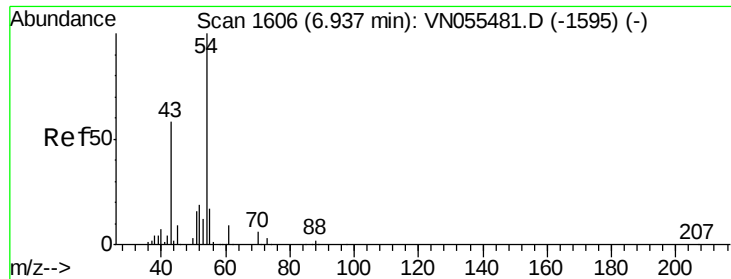
MMDadoda
5/14/2019 9:43:08 AM



#36
1,1-Dichloropropene
Concen: 31.037 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.9	16.1	48.3	
77	31.5	24.6	37.0	





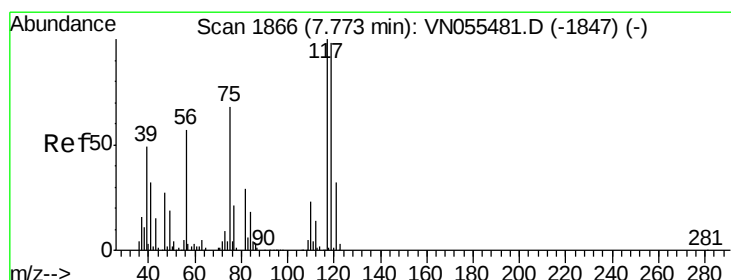
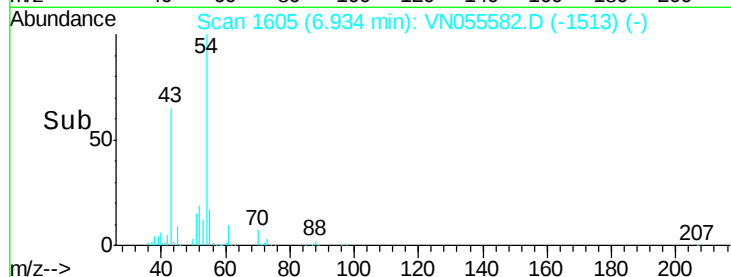
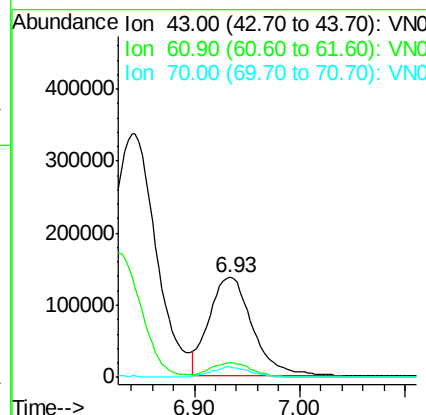
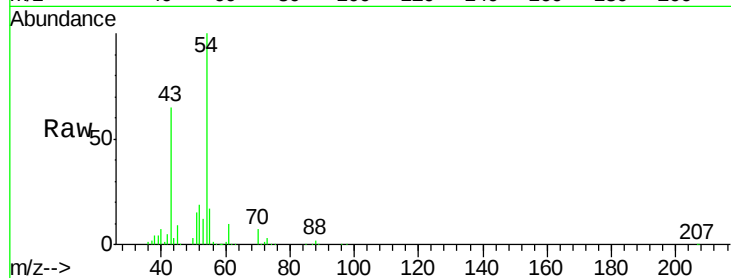
#37
Ethyl Acetate
Concen: 27.802 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampled :
KR-02 4-14

Tot Ion	Ratio	Resp	Lower	Upper
43	100	391071		
61	14.5	10.9	16.3	
70	9.8	7.0	10.6	

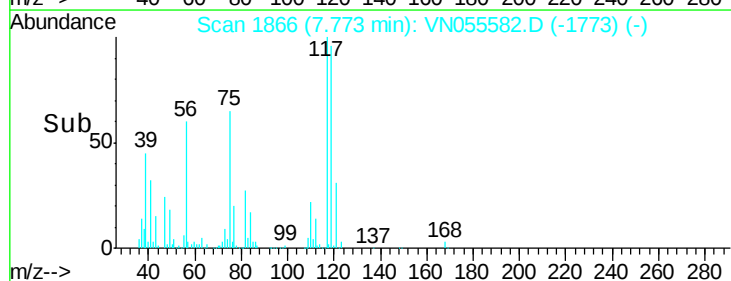
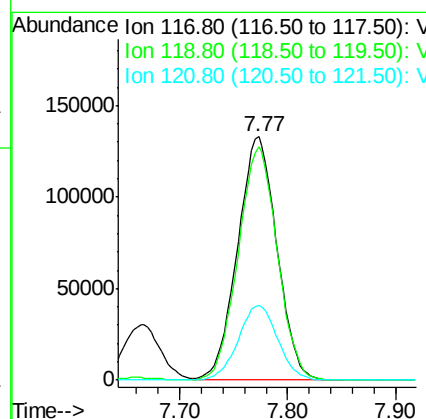
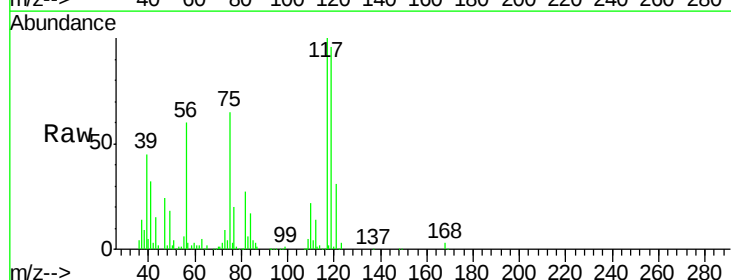
Manual Integrations
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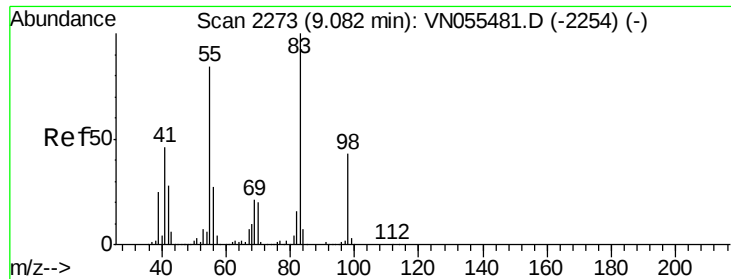
MMDadoda
5/14/2019 9:43:08 AM



#38
Carbon Tetrachloride
Concen: 31.012 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	336732		
119	96.0	77.8	116.6	
121	30.6	25.2	37.8	





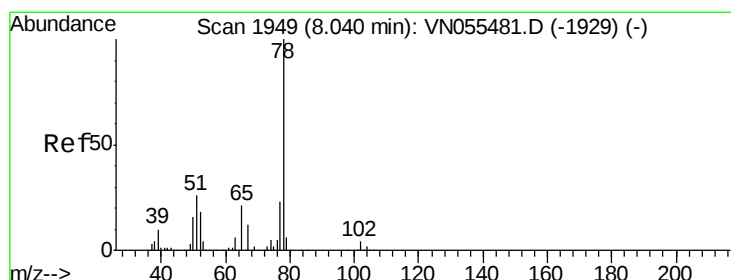
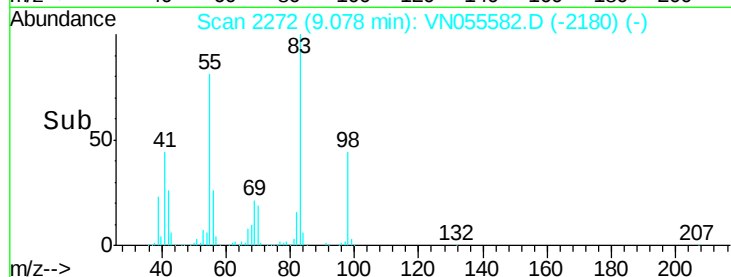
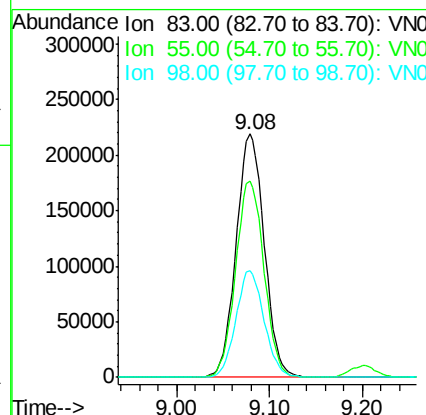
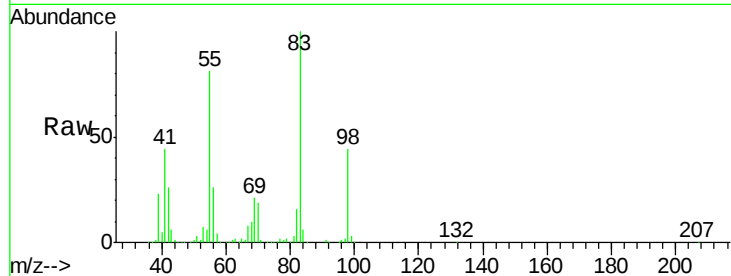
#39
Methvlcvclohexane
Concen: 29.292 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampled :
KR-02 4-14

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	67.0	100.4
98	43.9	34.2	51.4

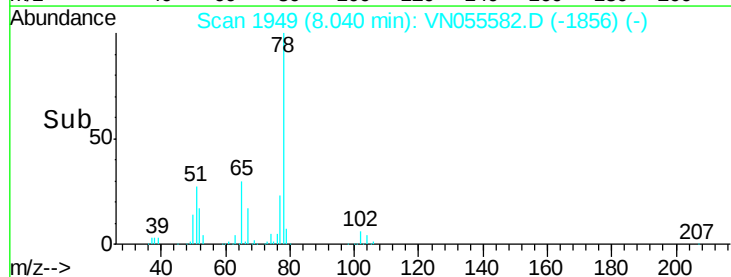
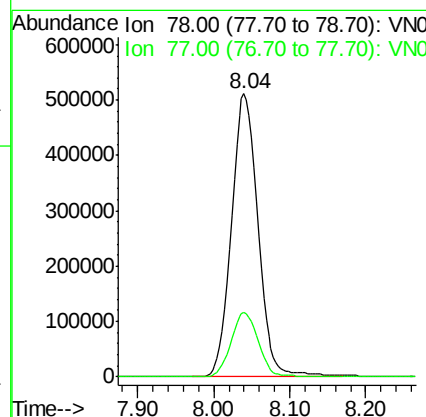
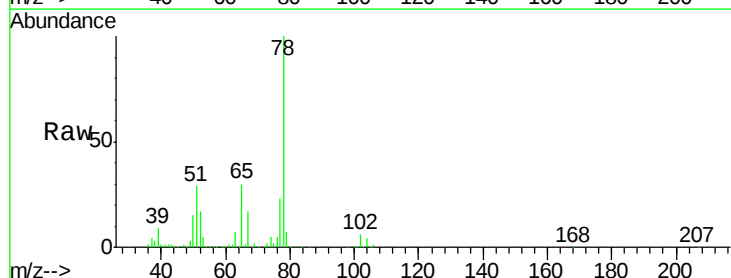
Manual Integrations
APPROVED

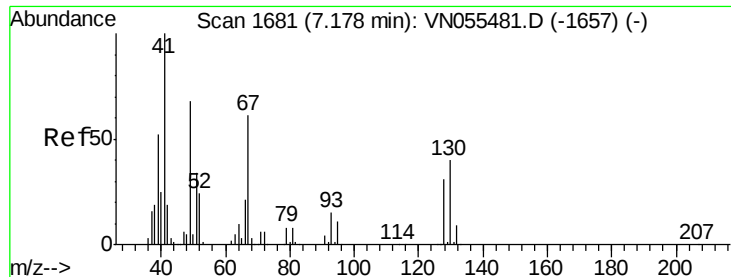
MMDadoda
5/14/2019 9:43:08 AM



#40
Benzene
Concen: 31.097 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	27.8





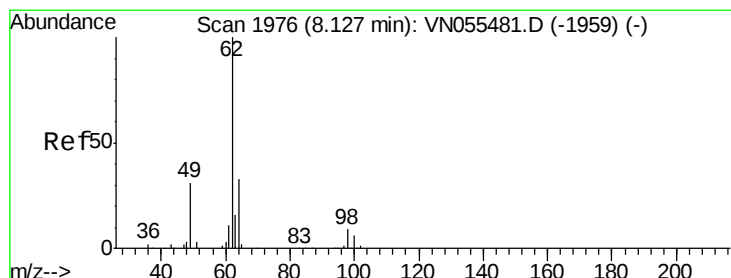
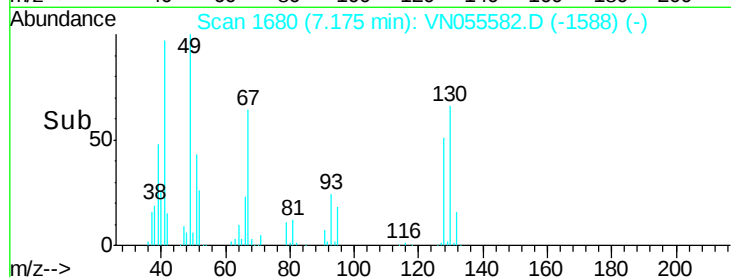
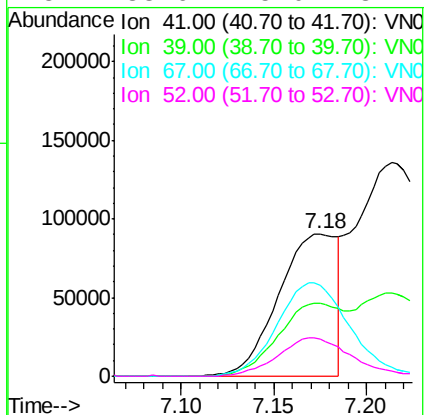
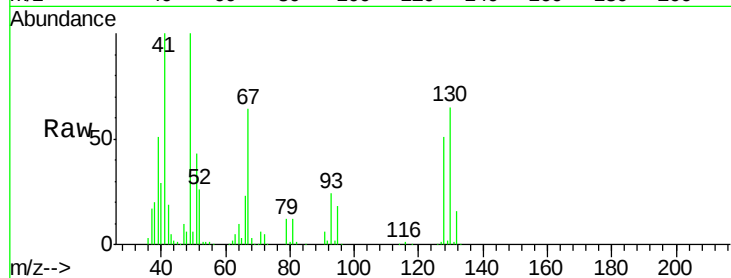
#41
Methacrylonitrile
Concen: 30.327 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion	41	Resp	198000
Ion Ratio	Lower	Upper	
41	100		
39	58.9	44.7	67.1
67	82.9	61.4	92.0
52	33.6	25.0	37.4

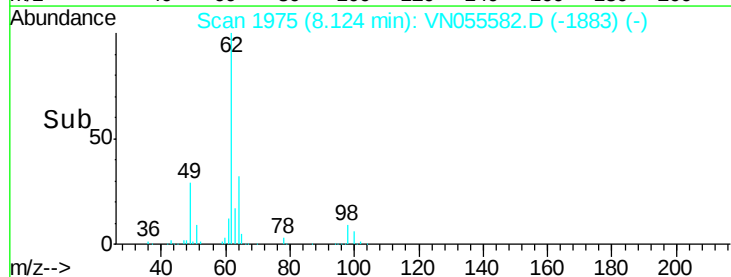
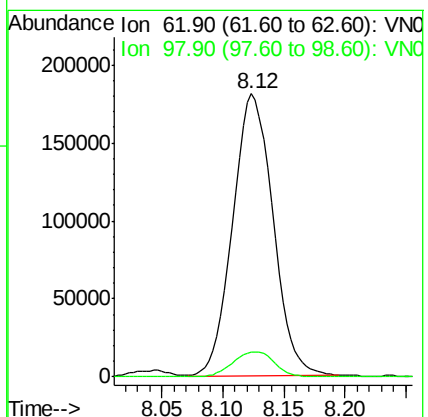
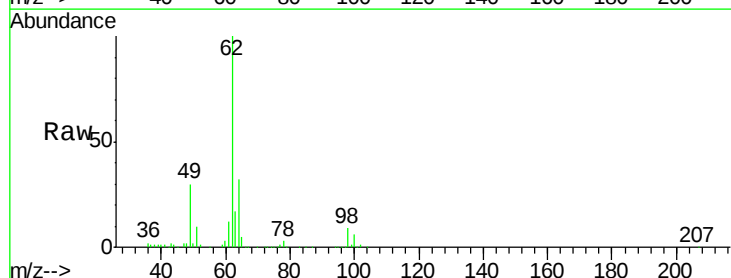
Manual Integrations
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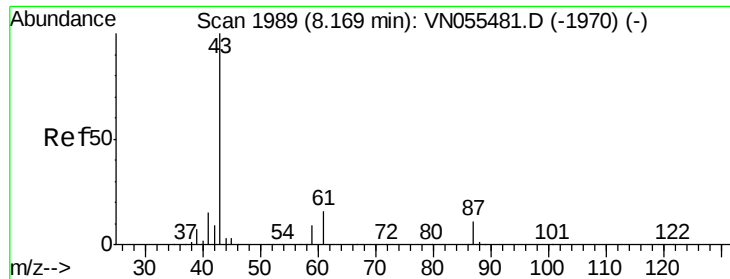
MMDadoda
5/14/2019 9:43:08 AM



#42
1,2-Dichloroethane
Concen: 29.600 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion	62	Resp	416189
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	17.4





#43

Isopropyl Acetate

Concen: 29.818 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

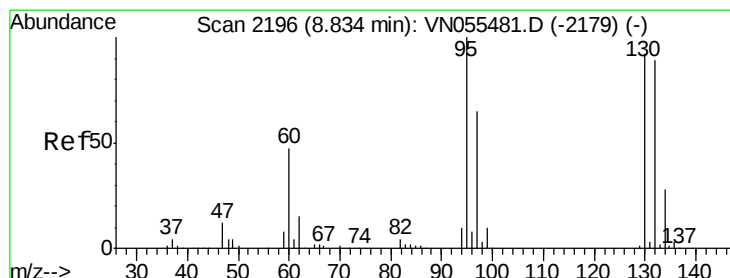
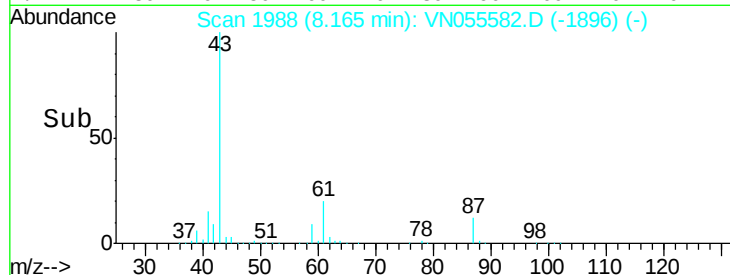
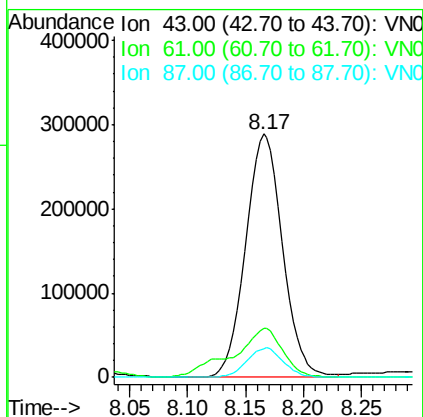
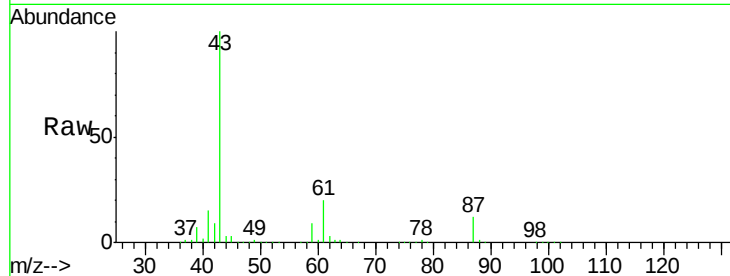
ClientSampleId :

KR-02_4-14

Tot Ion:	43	Resp:	637214
Ion	Ratio	Lower	Upper
43	100		
61	27.2	15.1	22.7#
87	12.0	9.0	13.6

Manual Integrations
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MMDadoda
5/14/2019 9:43:08 AM



#44

Trichloroethene

Concen: 31.795 ug/l

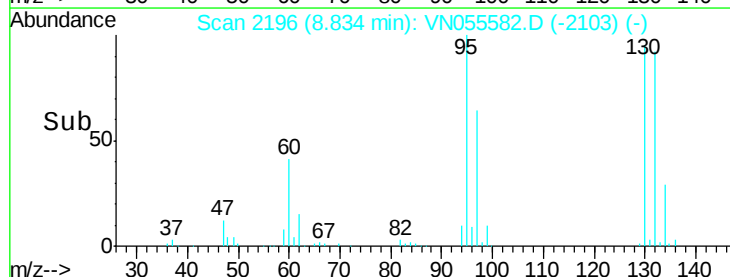
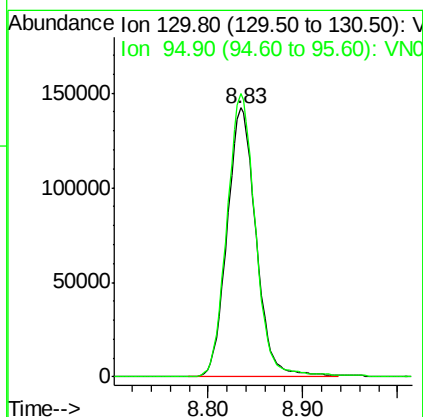
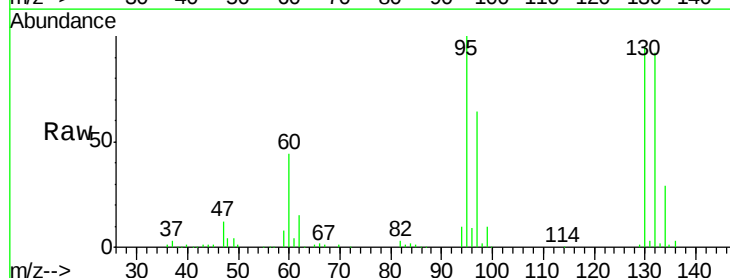
RT: 8.83 min Scan# 2196

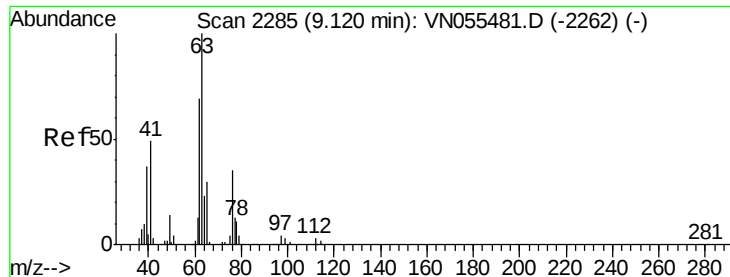
Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Tgt Ion:	130	Resp:	302770
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	216.8





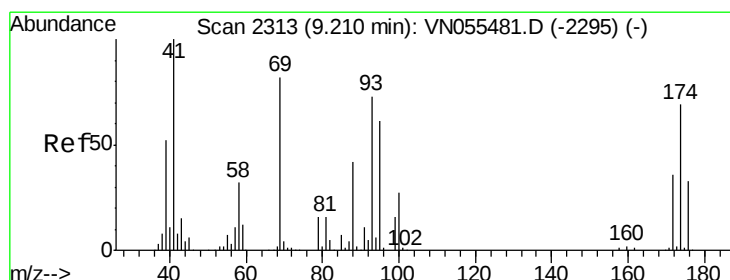
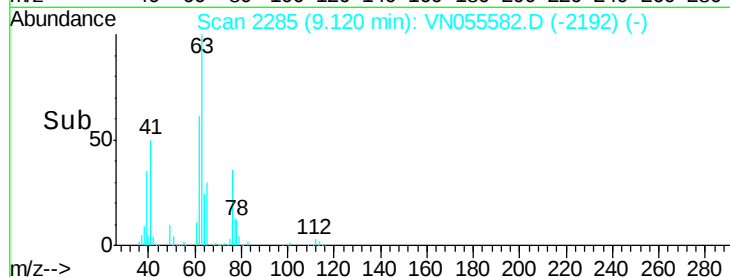
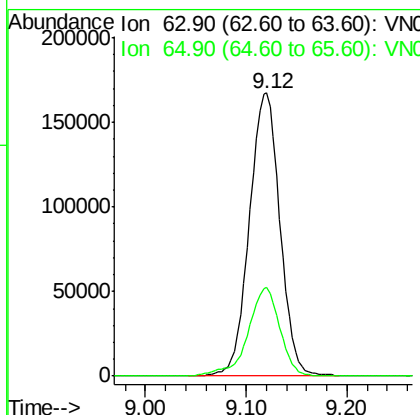
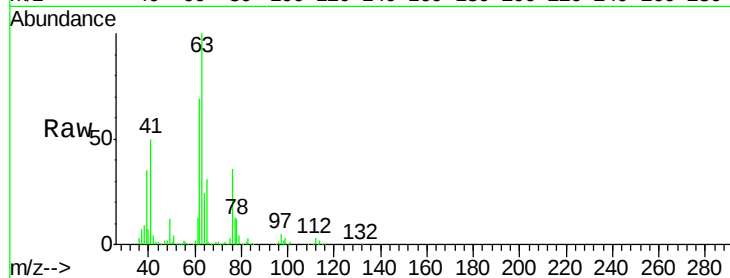
#45
 1,2-Dichloropropane
 Concen: 30.641 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	31.1	24.1	36.1	

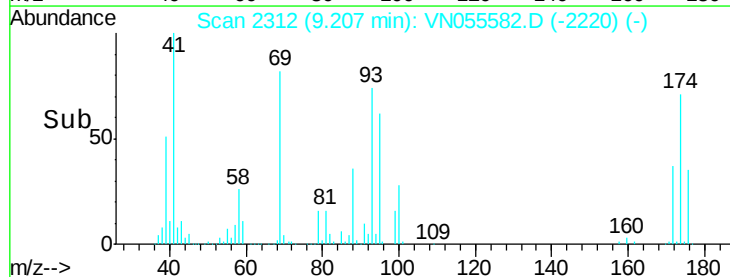
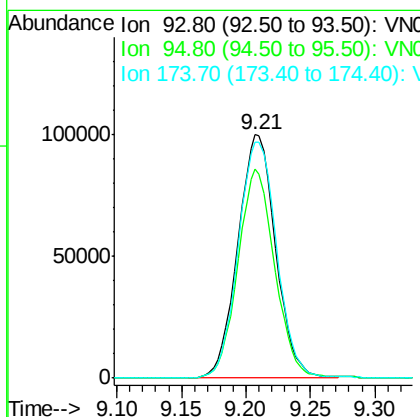
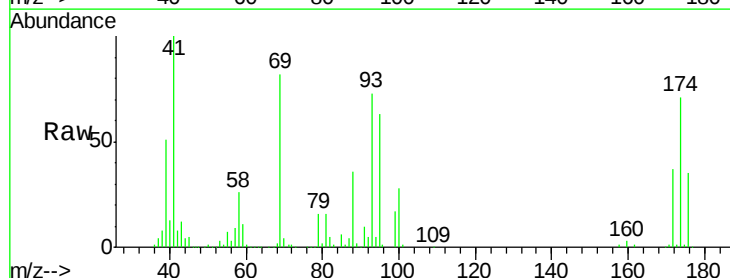
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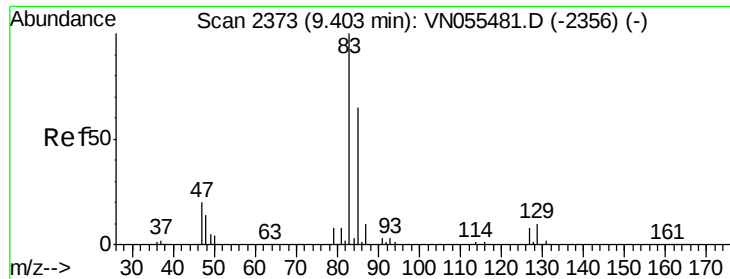
MMDadoda
 5/14/2019 9:43:08 AM



#46
 Dibromomethane
 Concen: 30.731 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	84.0	64.8	97.2	
174	98.8	75.0	112.6	





#47

Bromodichloromethane

Concen: 31.117 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

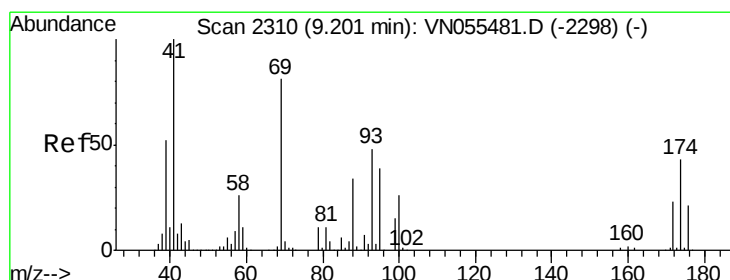
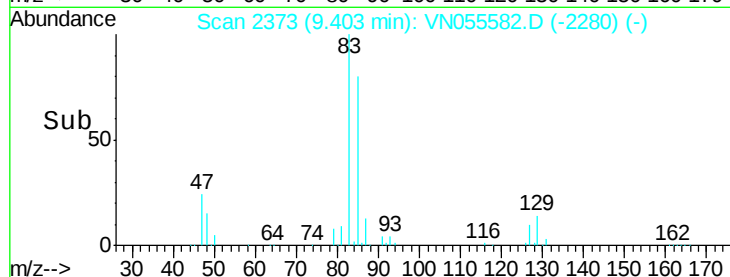
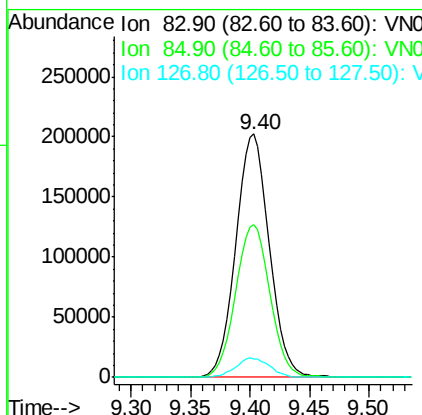
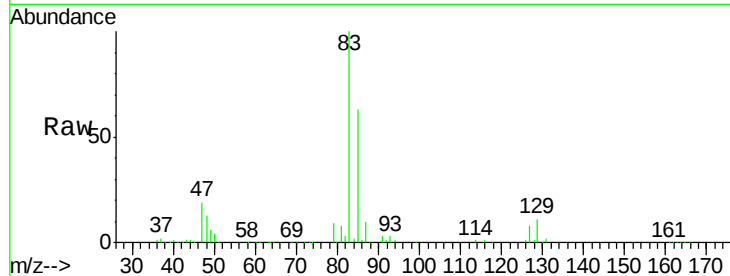
ClientSampleId :

KR-02 4-14

Tot Ion:	83	Resp:	395123
Ion Ratio	Lower	Upper	
83	100		
85	63.0	52.2	78.2
127	7.8	6.5	9.7

Manual Integrations
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MMDadoda
5/14/2019 9:43:08 AM



#48

Methyl methacrylate

Concen: 28.979 ug/l

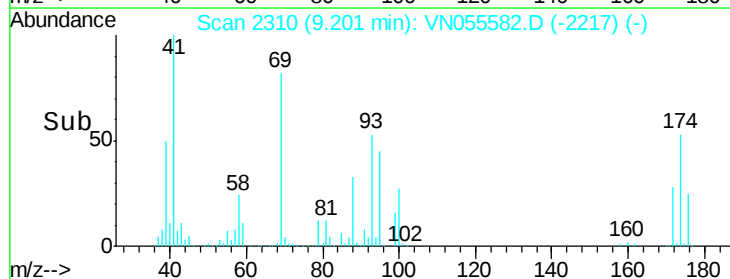
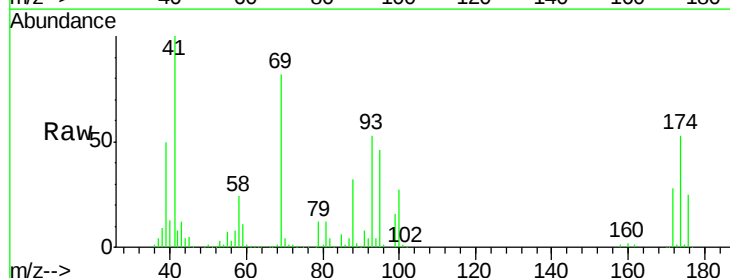
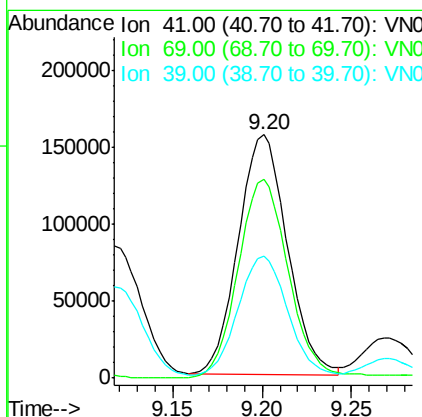
RT: 9.20 min Scan# 2310

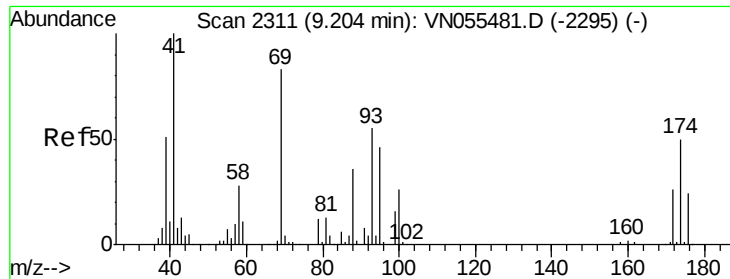
Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Tgt Ion:	41	Resp:	298383
Ion Ratio	Lower	Upper	
41	100		
69	86.1	64.2	96.2
39	51.6	41.6	62.4





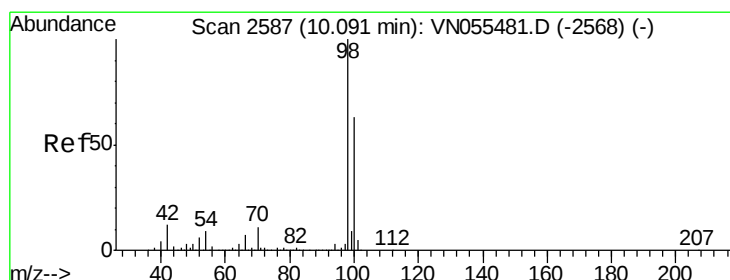
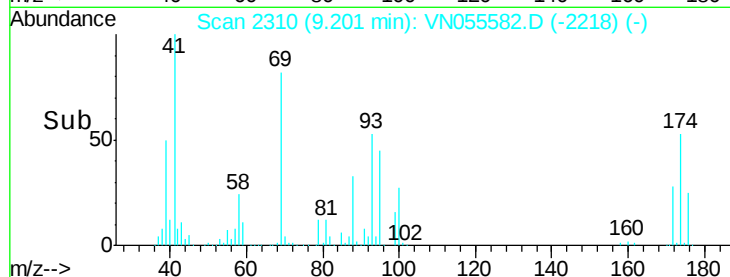
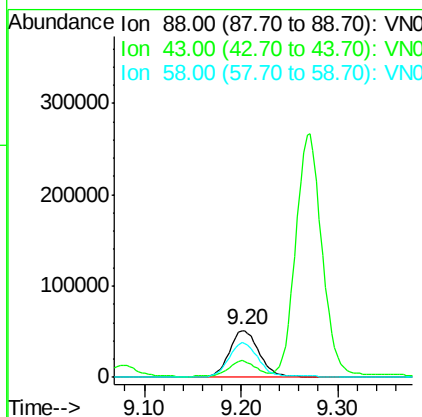
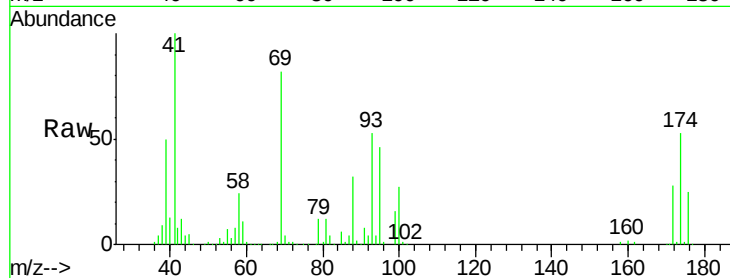
#49
1,4-Dioxane
Concen: 558.479 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion	88	Resp	112076
Ion	Ratio	Lower	Upper
88	100		
43	29.3	27.8	41.8
58	72.0	61.8	92.6

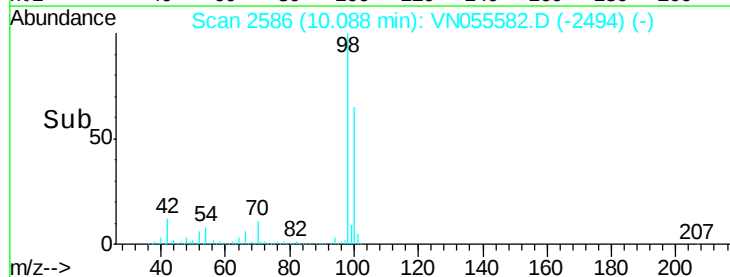
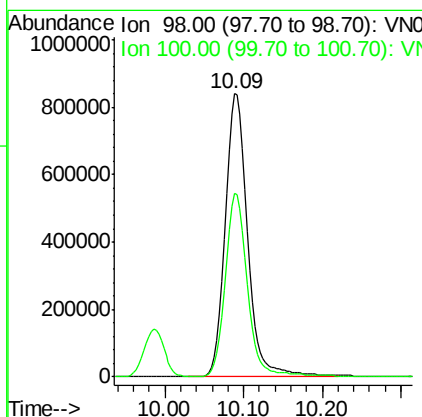
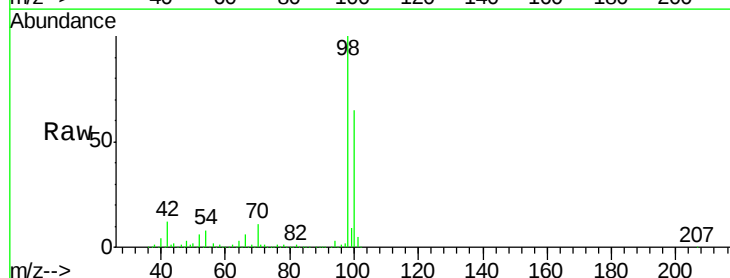
Manual Integrations
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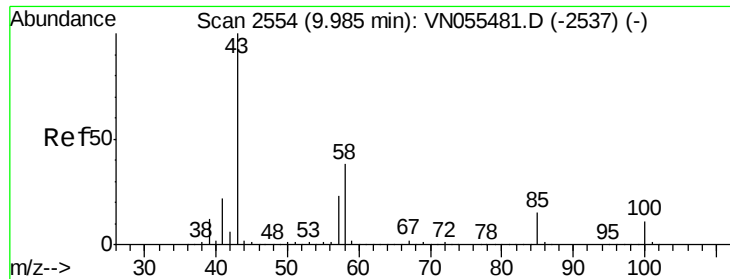
MMDadoda
5/14/2019 9:43:08 AM



#50
Toluene-d8
Concen: 50.319 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion	98	Resp	1655689
Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 142.747 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14

Tot Ion: 43 Resp: 2006316

Ion Ratio Lower Upper

43 100

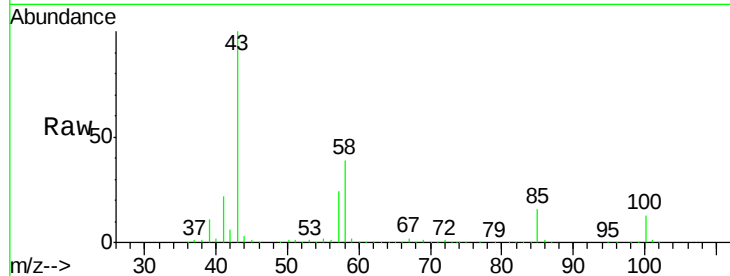
58 38.8 29.9 44.9

Manual Integrations

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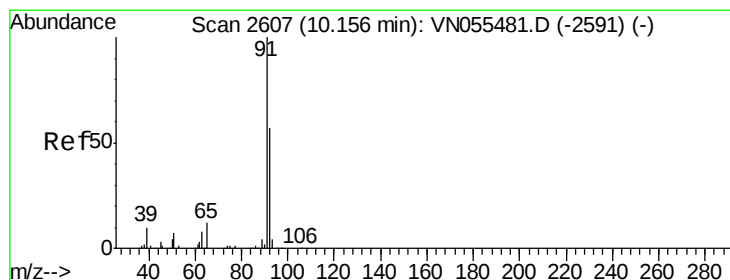
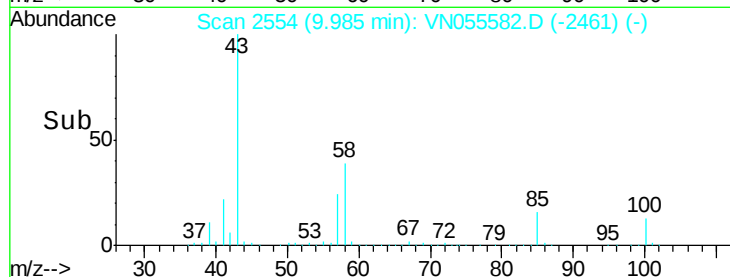
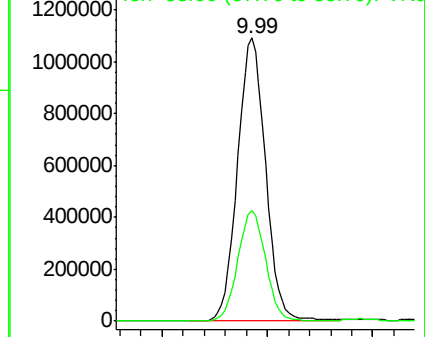
MMDadoda

5/14/2019 9:43:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 32.322 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055582.D

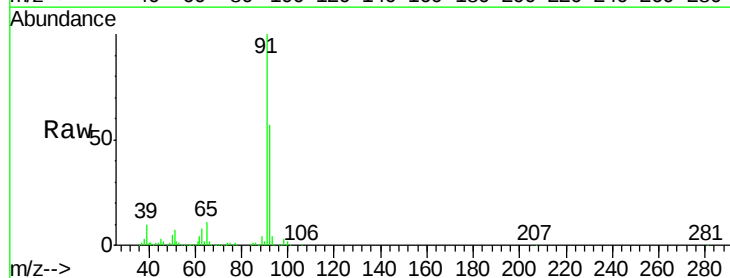
Acq: 13 May 2019 18:16

Tgt Ion: 92 Resp: 739533

Ion Ratio Lower Upper

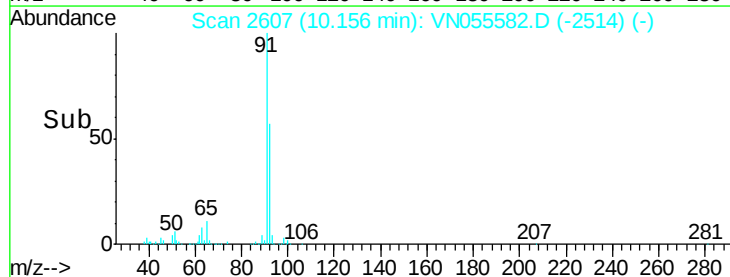
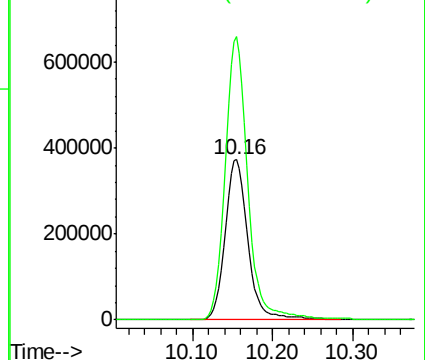
92 100

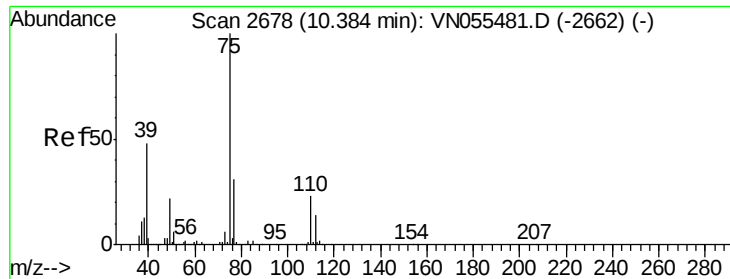
91 174.2 140.5 210.7



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: 32.838 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

KR-02 4-14

Tot Ion: 75 Resp: 400473

Ion Ratio Lower Upper

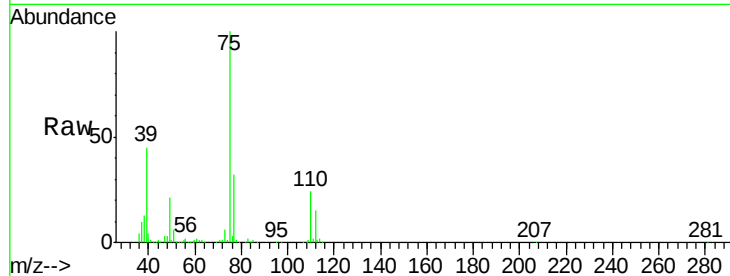
75 100

77 31.5 25.1 37.7

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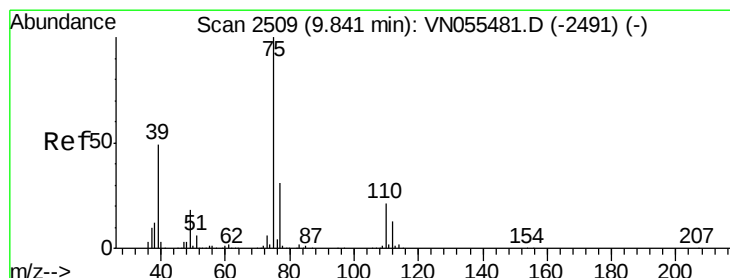
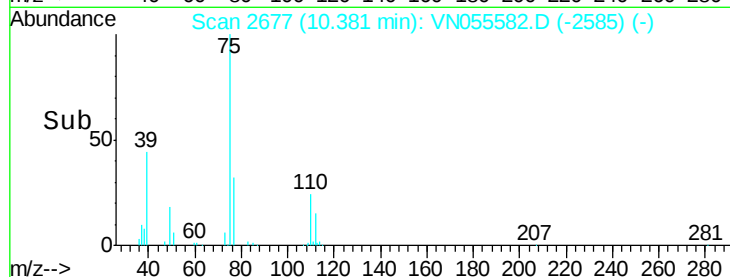
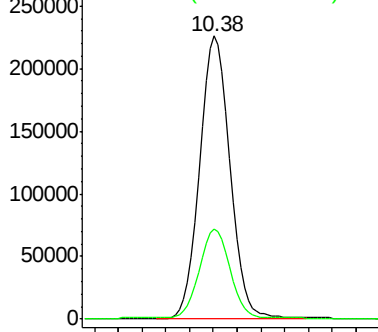
MMDadoda

5/14/2019 9:43:08 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 32.572 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

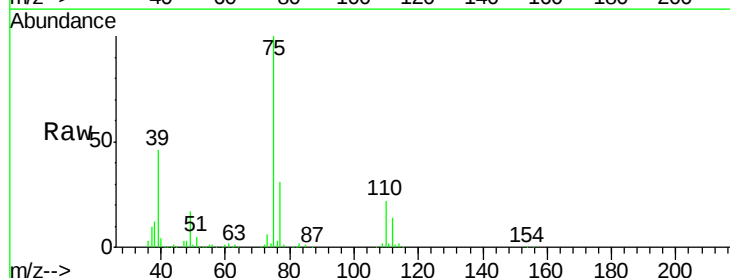
Tgt Ion: 75 Resp: 474668

Ion Ratio Lower Upper

75 100

77 30.8 24.4 36.6

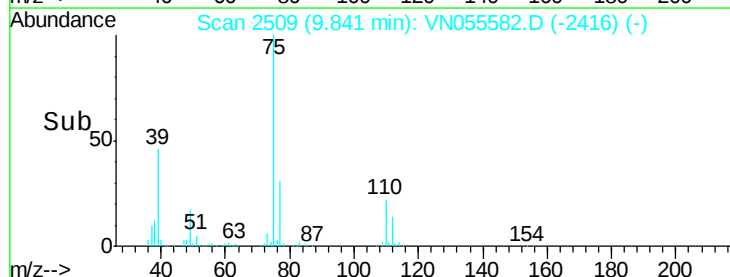
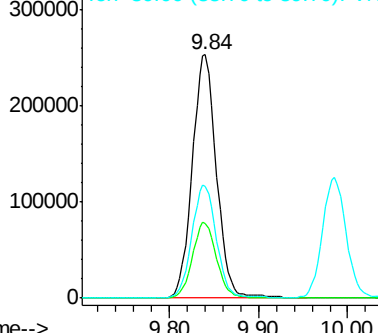
39 46.0 39.5 59.3

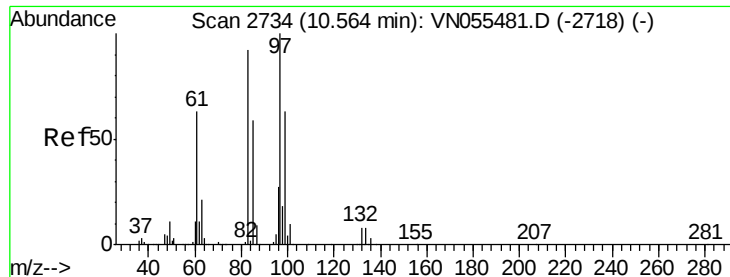


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





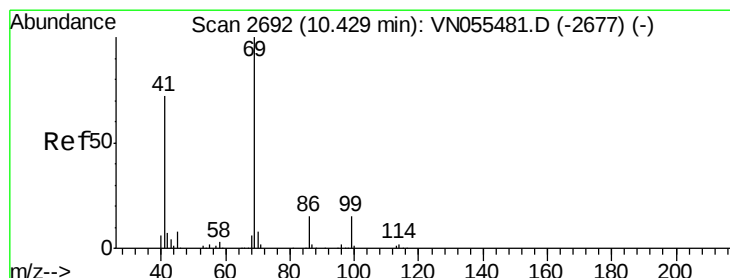
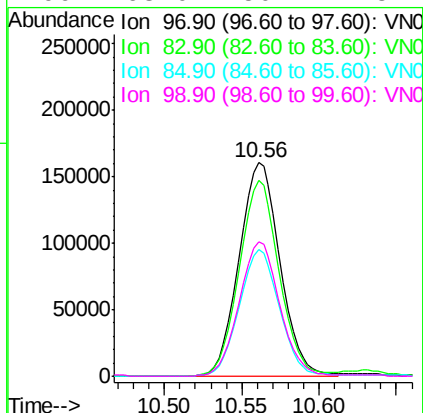
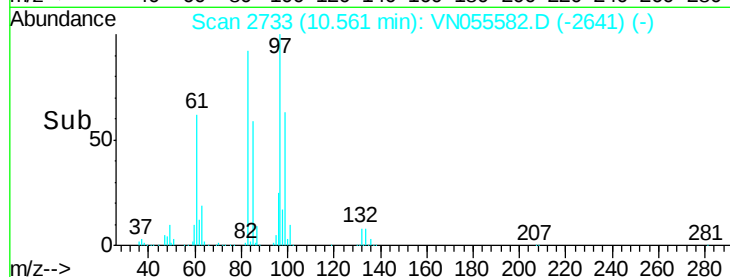
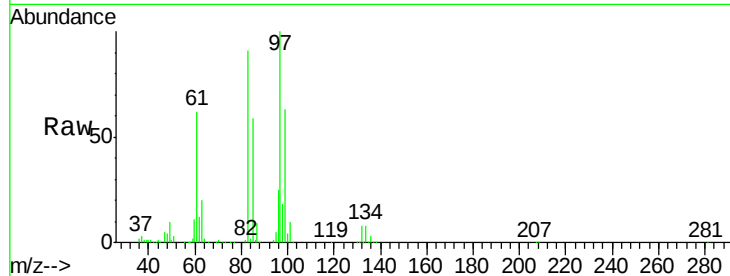
#55
 1,1,2-Trichloroethane
 Concen: 31.900 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampled :
 KR-02 4-14

Tot Ion:	97	Resp:	295717
Ion	Ratio	Lower	Upper
97	100		
83	91.3	73.2	109.8
85	59.3	47.5	71.3
99	63.0	50.2	75.2

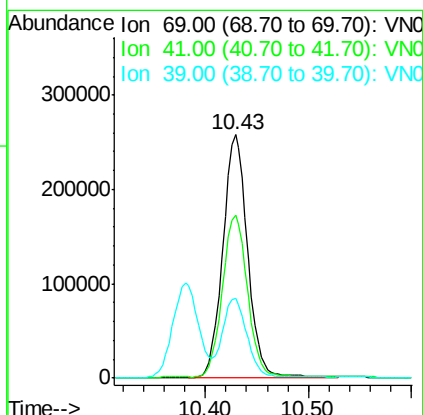
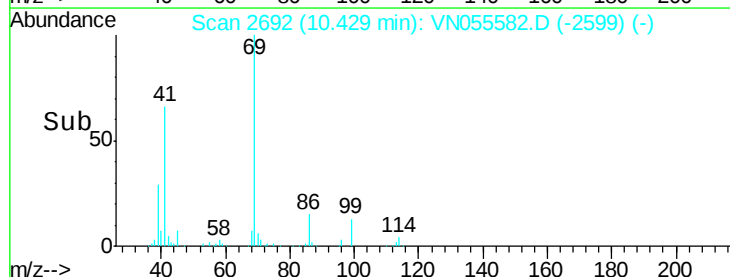
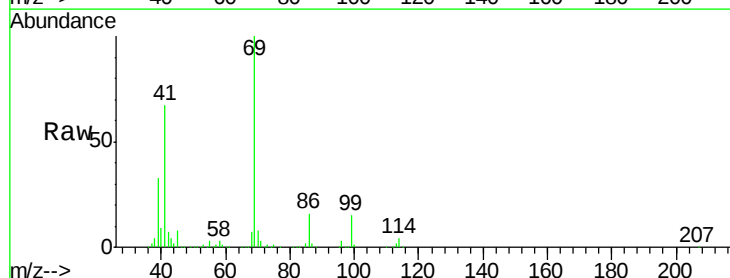
Manual Integrations
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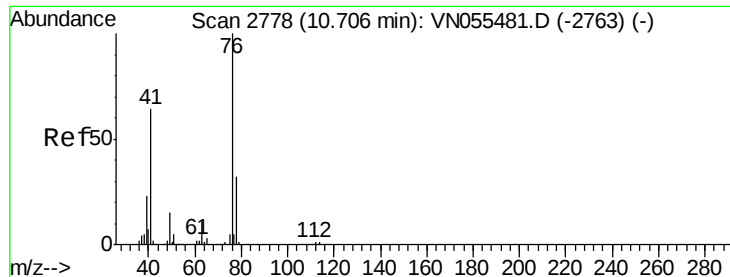
MMDadoda
 5/14/2019 9:43:08 AM



#56
 Ethyl methacrylate
 Concen: 31.591 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Tgt Ion:	69	Resp:	435602
Ion	Ratio	Lower	Upper
69	100		
41	66.6	56.2	84.2
39	30.9	27.8	41.6





#57

1,3-Dichloropropane

Concen: 31.292 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 76 Resp: 514992

Ion Ratio Lower Upper

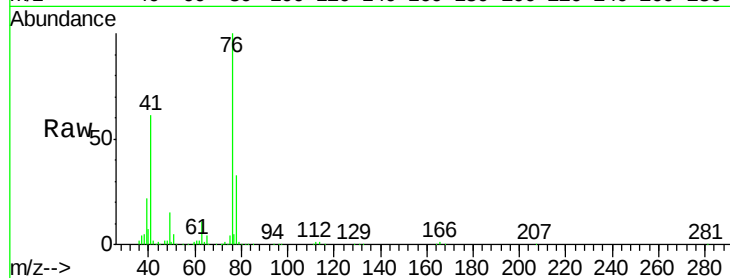
76 100

78 32.6 25.8 38.6

Manual Integrations
APPROVED

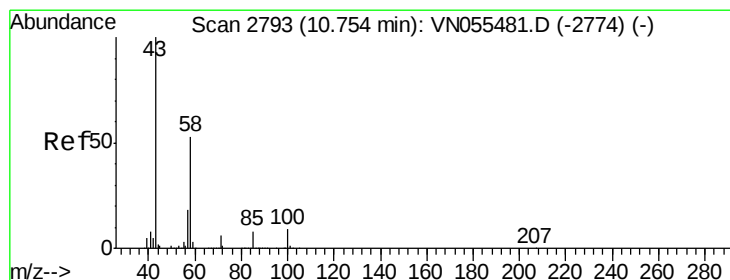
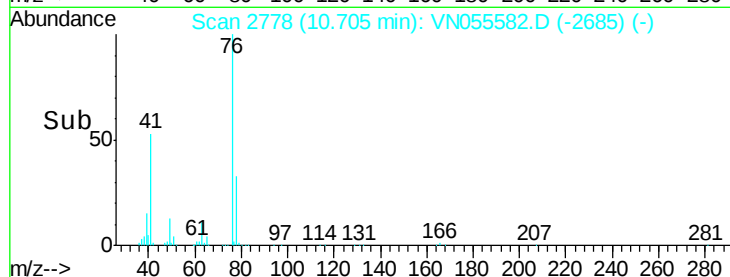
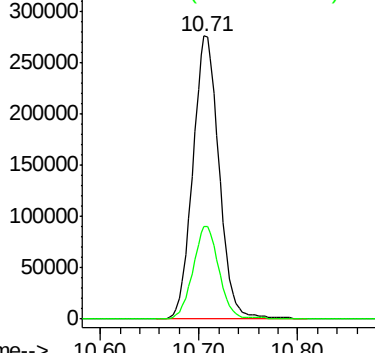
MMDadoda

5/14/2019 9:43:08 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 139.255 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN055582.D

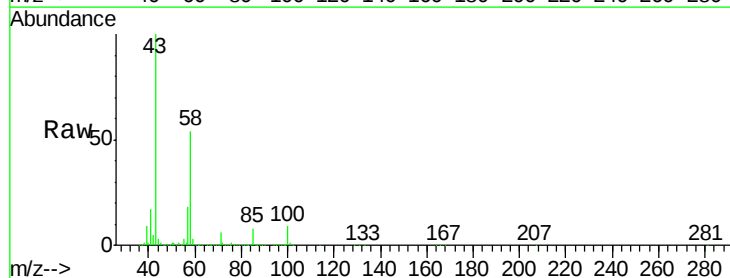
Acq: 13 May 2019 18:16

Tgt Ion: 43 Resp: 1372608

Ion Ratio Lower Upper

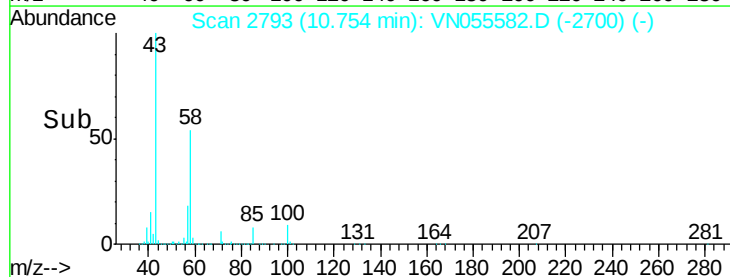
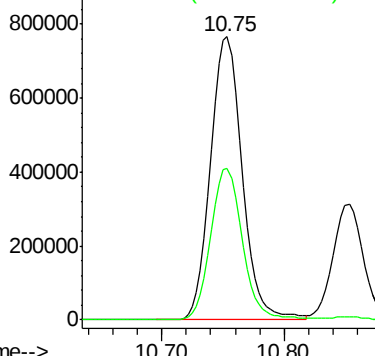
43 100

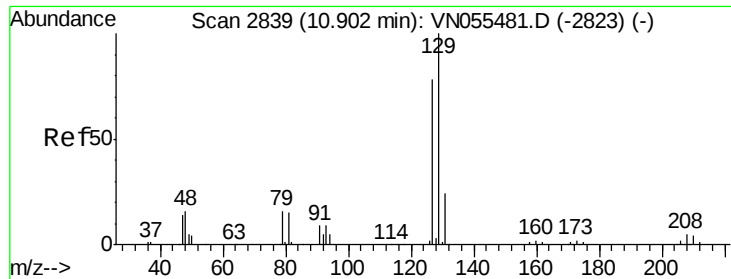
58 53.9 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





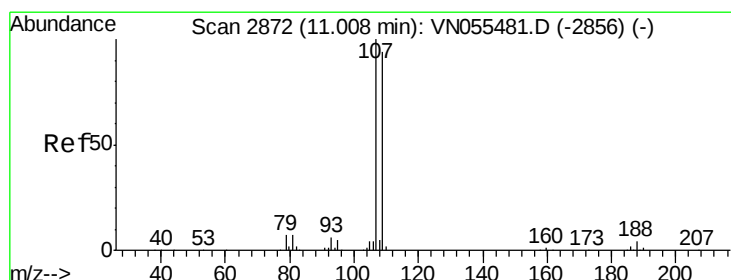
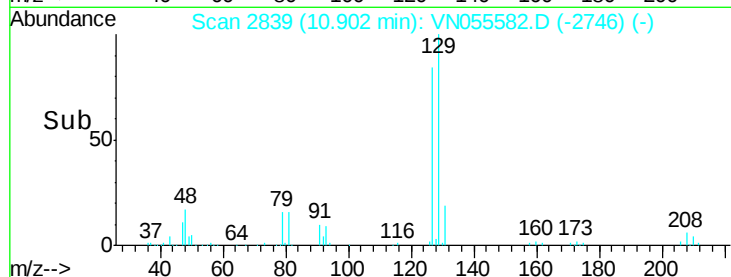
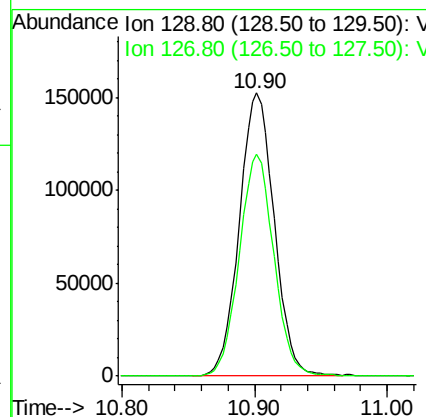
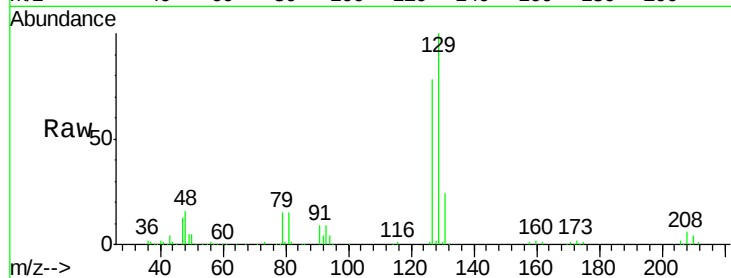
#60
 Dibromochloromethane
 Concen: 33.018 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	116.0

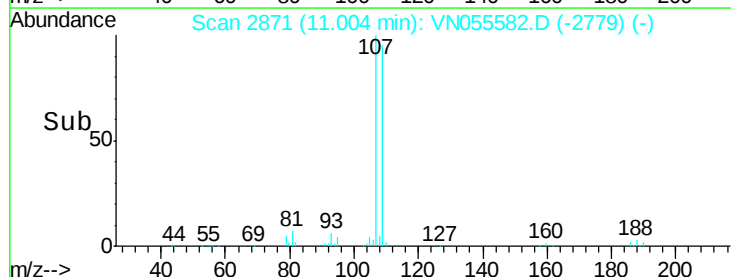
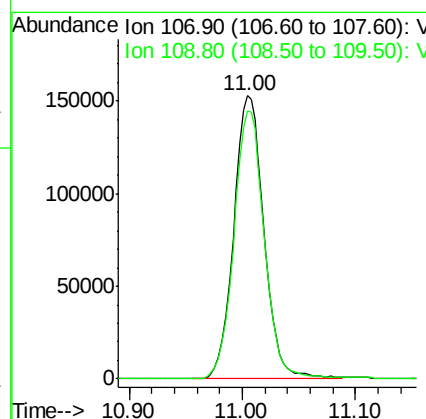
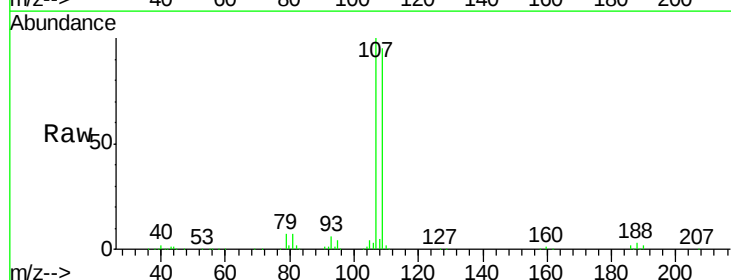
Manual Integrations
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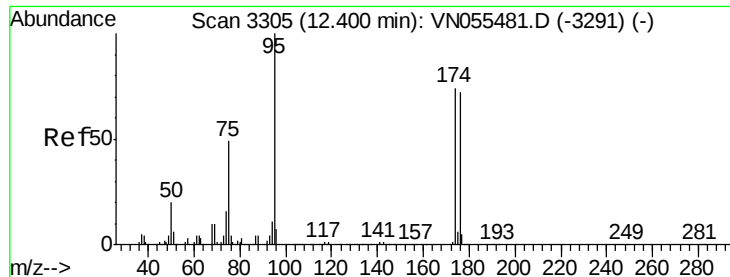
MMDadoda
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#61
 1,2-Dibromoethane
 Concen: 31.800 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.6	74.2	111.4





#62

4-Bromofluorobenzene

Concen: 51.140 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

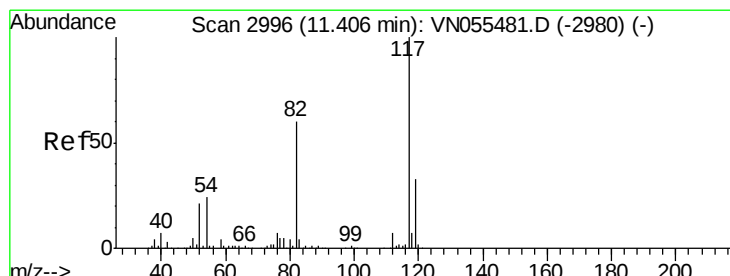
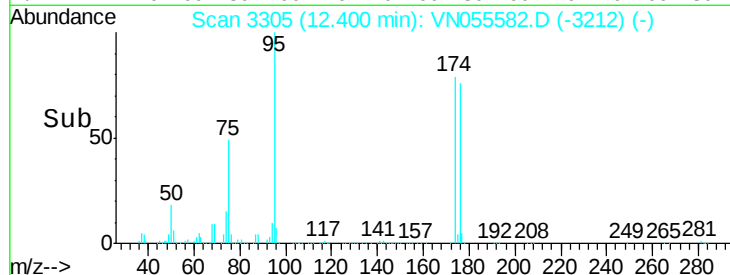
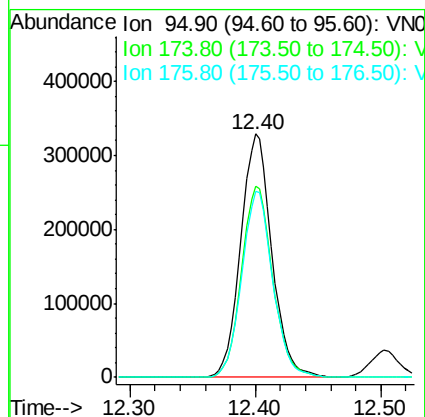
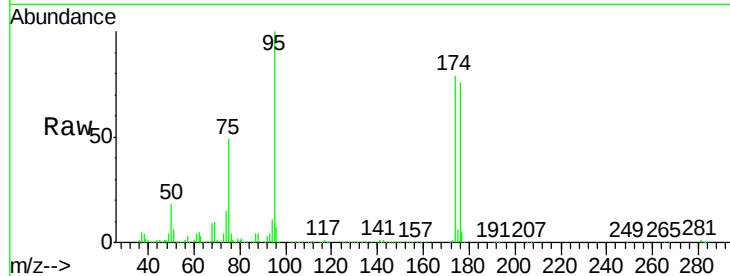
ClientSampleId :

KR-02 4-14

Tot Ion:	95	Resp:	567381
Ion Ratio	Lower	Upper	
95	100		
174	78.7	0.0	152.2
176	76.3	0.0	147.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

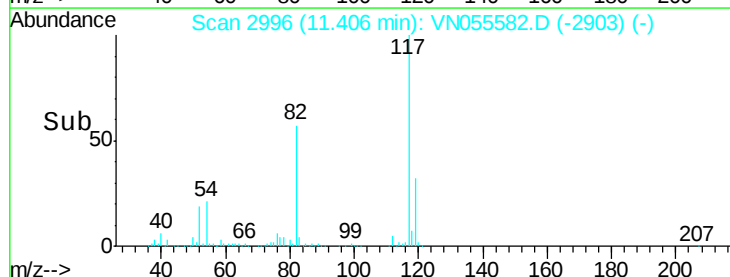
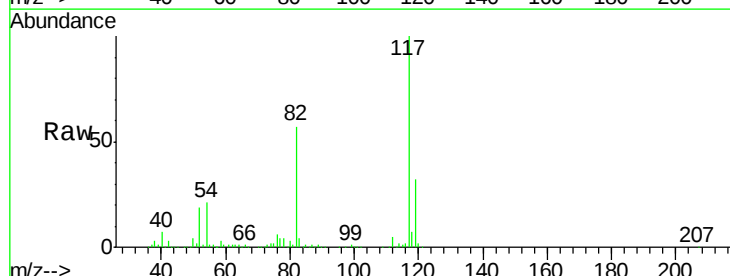
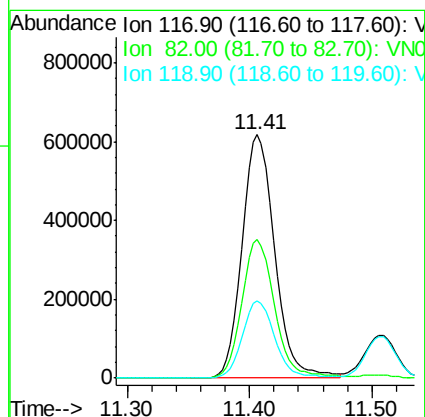
RT: 11.41 min Scan# 2996

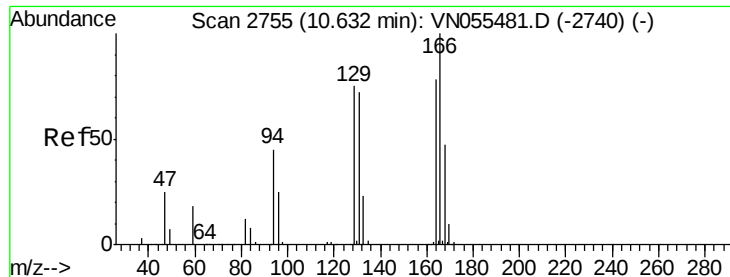
Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Tgt Ion:	117	Resp:	1141136
Ion Ratio	Lower	Upper	
117	100		
82	56.8	48.0	72.0
119	31.8	26.0	39.0





#64

Tetrachloroethene

Concen: 30.719 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

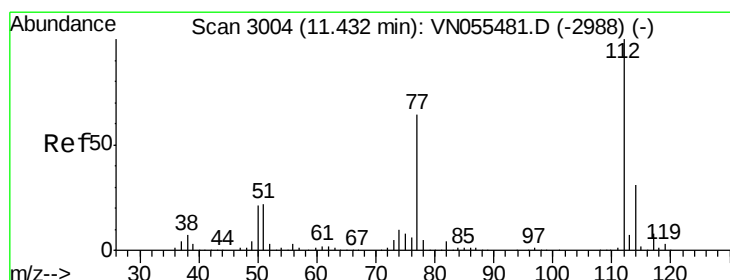
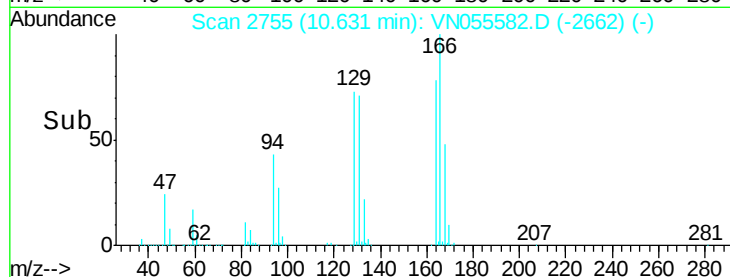
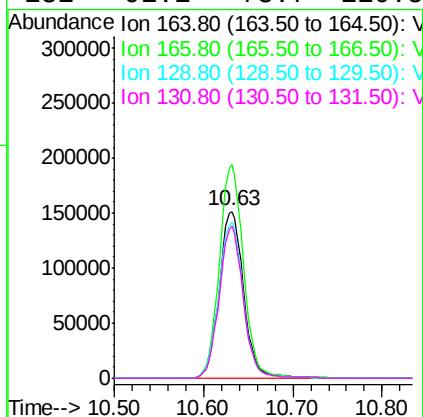
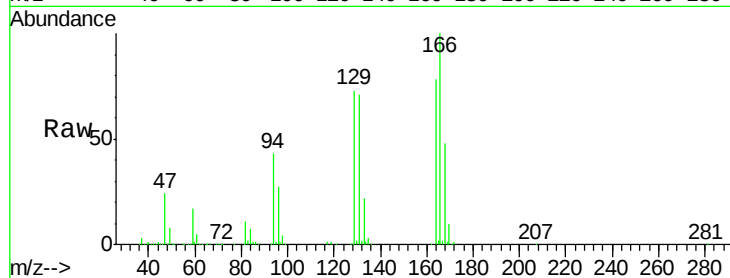
ClientSampleId :

KR-02 4-14

Tot Ion:	164	Resp:	287234
Ion Ratio	Lower	Upper	
164	100		
166	128.0	102.6	153.8
129	93.5	77.0	115.6
131	91.1	73.7	110.5

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#65

Chlorobenzene

Concen: 32.223 ug/l

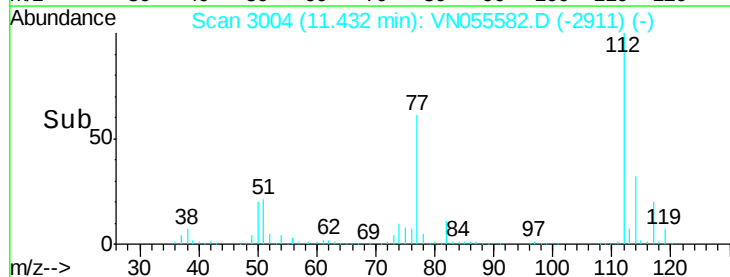
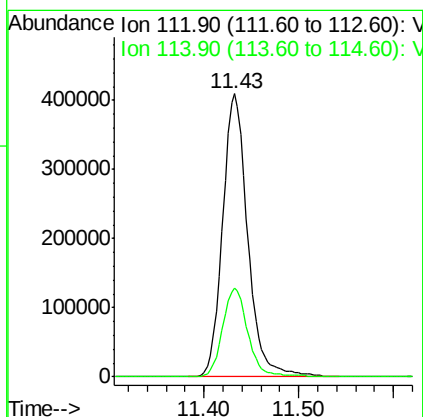
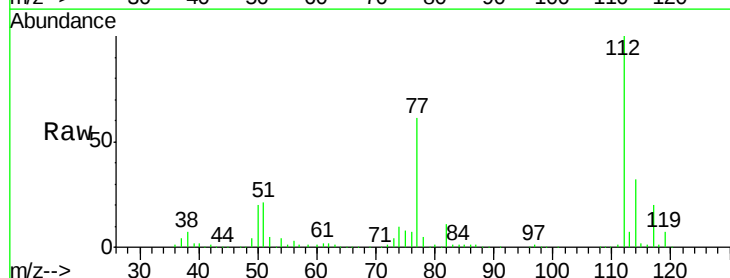
RT: 11.43 min Scan# 3004

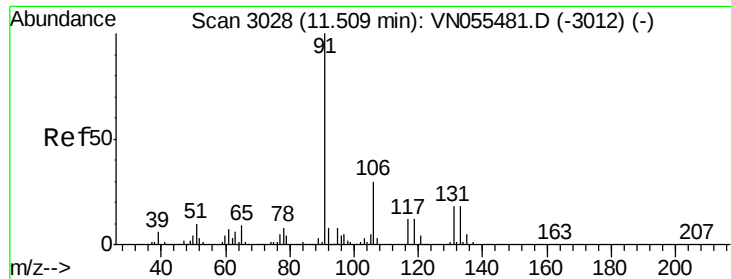
Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Tgt Ion:	112	Resp:	756498
Ion Ratio	Lower	Upper	
112	100		
114	31.6	25.0	37.4





#66

1,1,1,2-Tetrachloroethane

Concen: 33.284 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

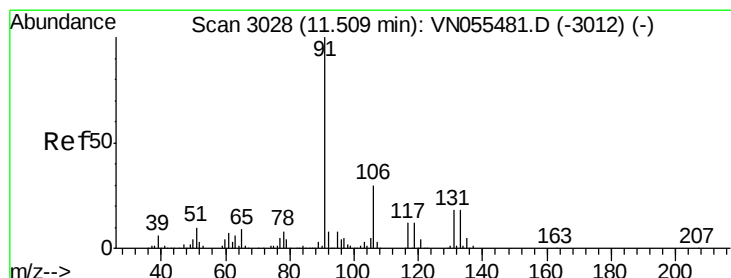
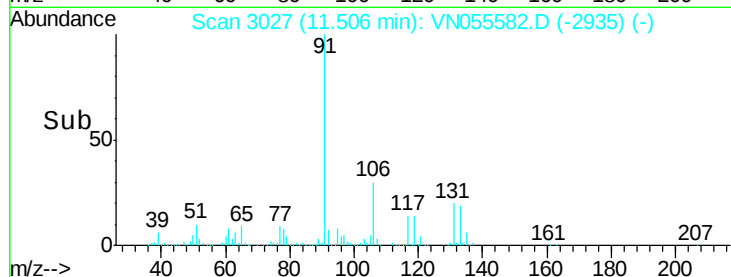
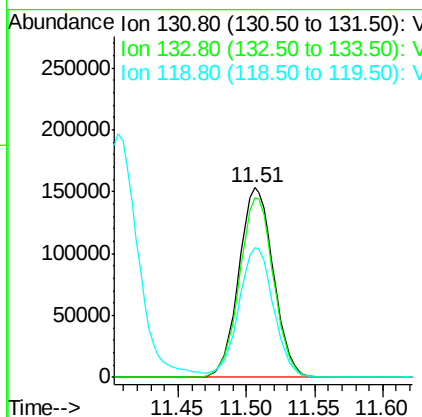
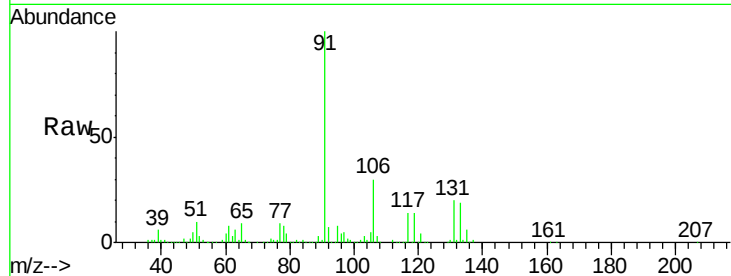
ClientSampled :

KR-02 4-14

Tot Ion:	131	Resp:	269017
Ion Ratio	Lower	Upper	
131	100		
133	93.8	47.4	142.2
119	68.7	34.1	102.2

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#67

Ethyl Benzene

Concen: 31.396 ug/l

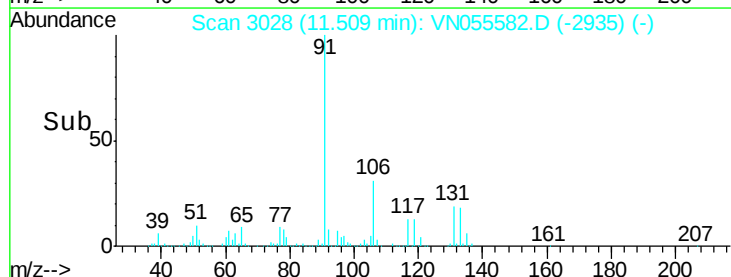
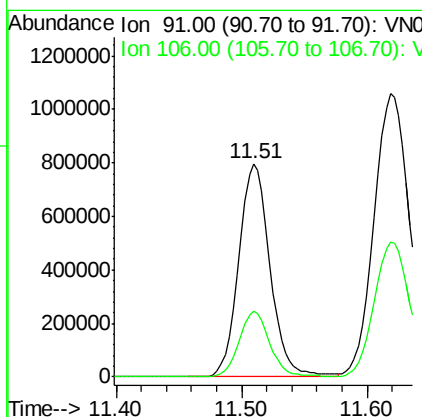
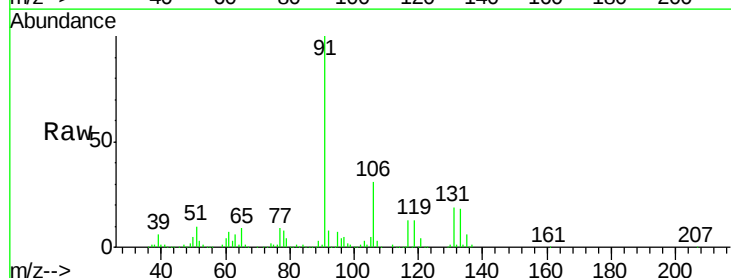
RT: 11.51 min Scan# 3028

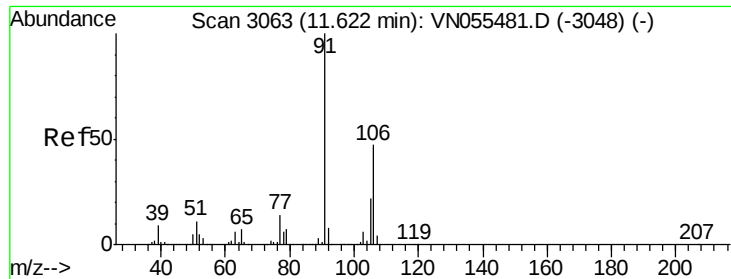
Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Tgt Ion:	91	Resp:	1384364
Ion Ratio	Lower	Upper	
91	100		
106	30.6	23.8	35.6





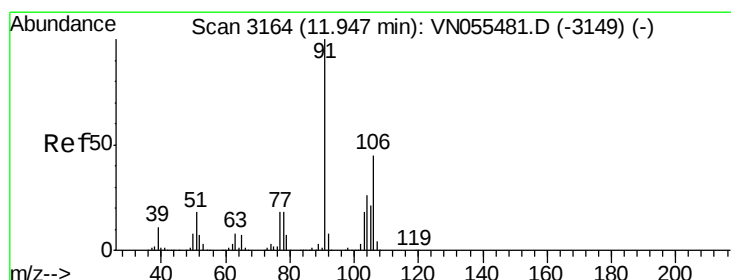
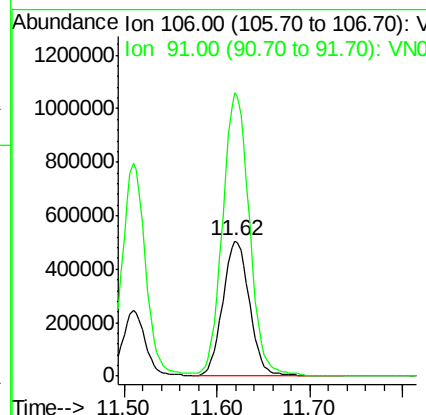
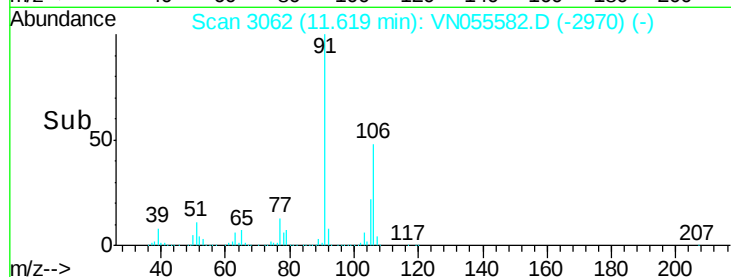
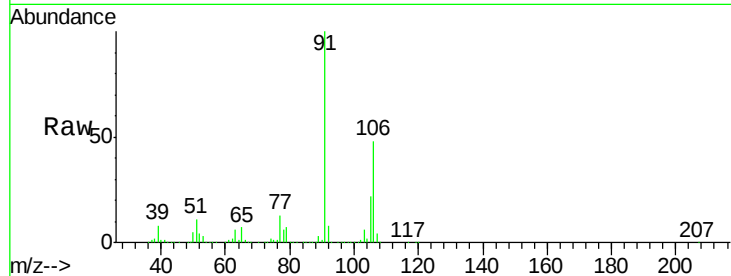
#68
m/p-Xylenes
Concen: 64.038 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion:106 Resp: 1013335
Ion Ratio Lower Upper
106 100
91 209.8 169.2 253.8

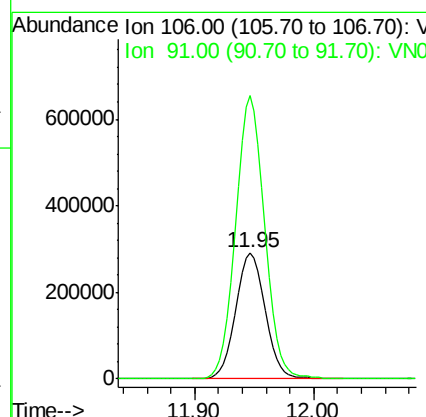
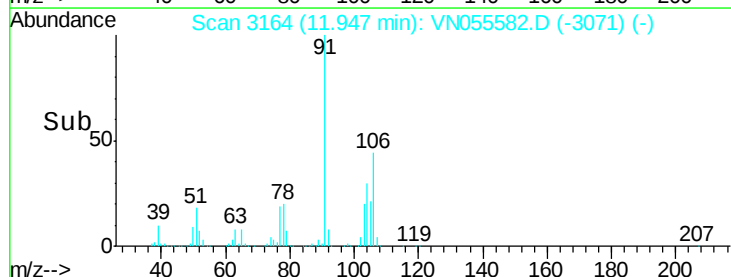
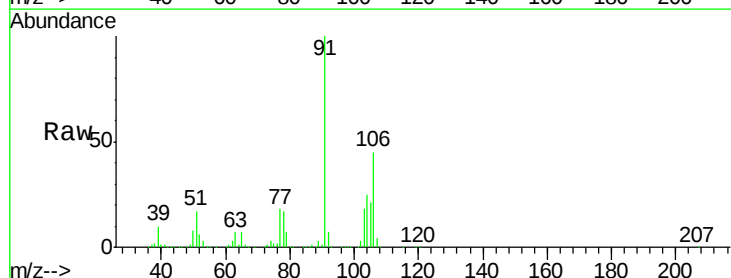
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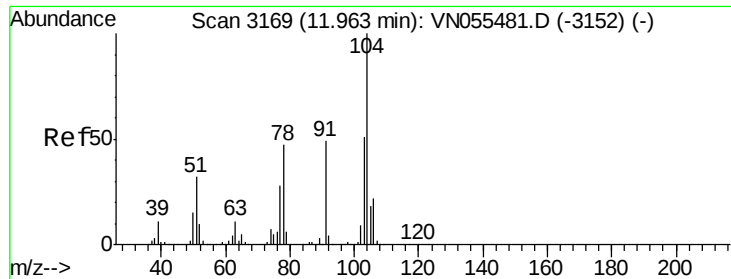
MMDadoda
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#69
o-Xylene
Concen: 32.243 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion:106 Resp: 501473
Ion Ratio Lower Upper
106 100
91 220.0 111.3 333.8





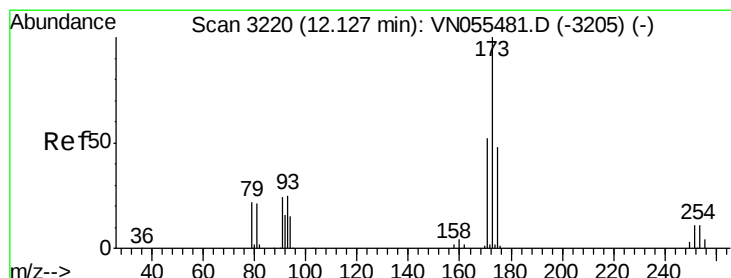
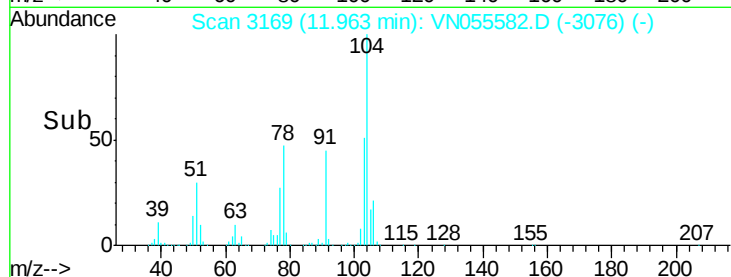
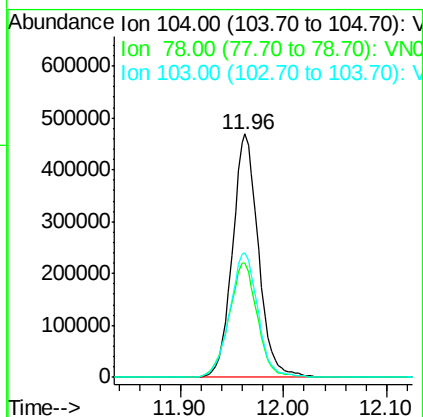
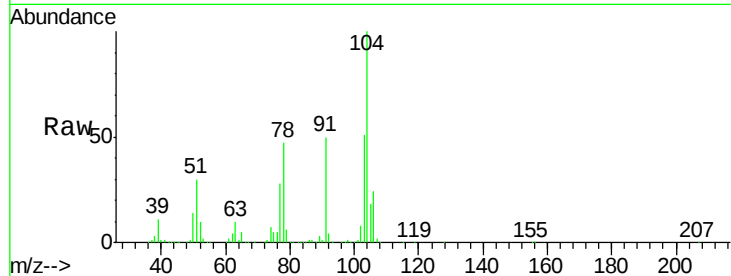
#70
Stvrene
Concen: 32.988 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion	Ratio	Resp	Lower	Upper
104	100	821986		
78	51.5		41.6	62.4
103	55.8		44.4	66.6

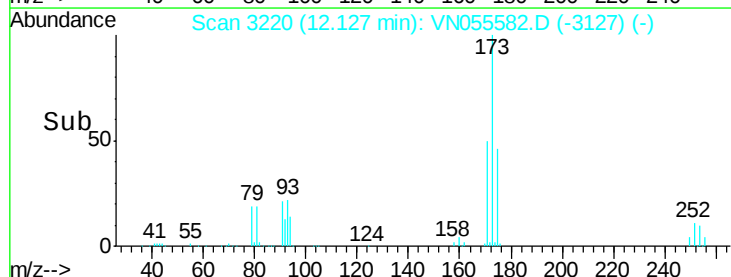
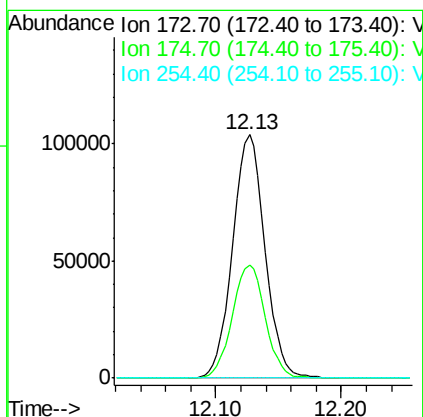
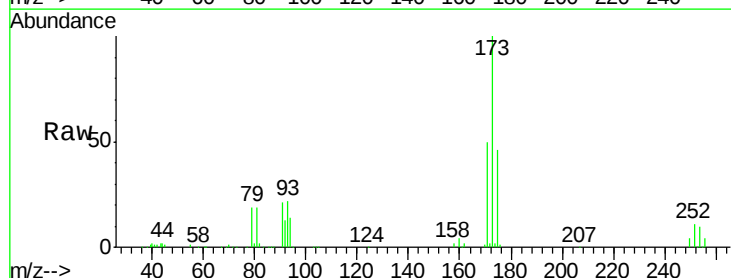
Manual Integrations
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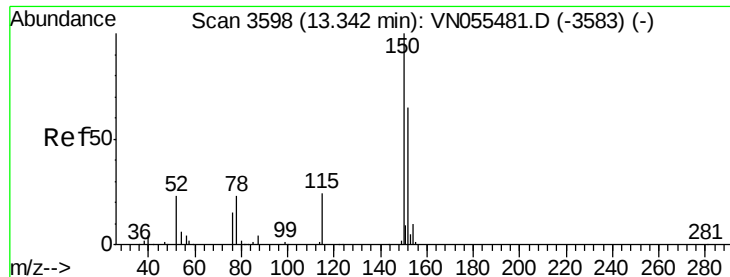
MMDadoda
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#71
Bromoform
Concen: 34.195 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055582.D
Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	186503		
175	47.3		24.1	72.4
254	0.1		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: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

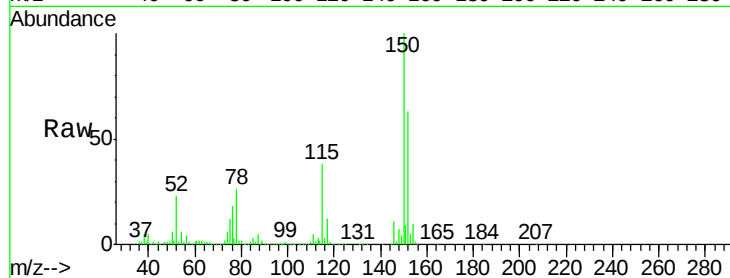
ClientSampled :

KR-02 4-14

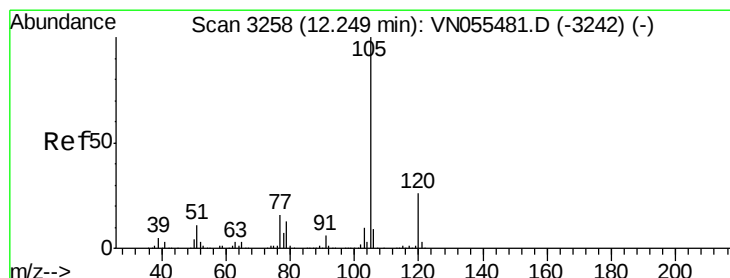
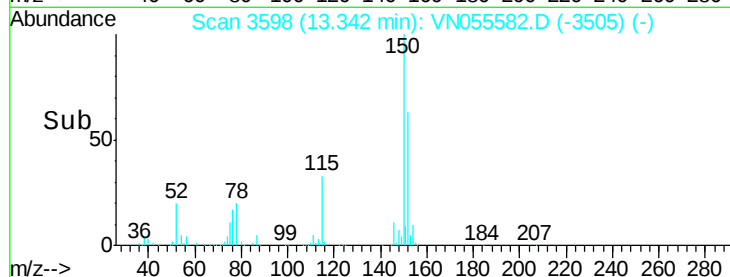
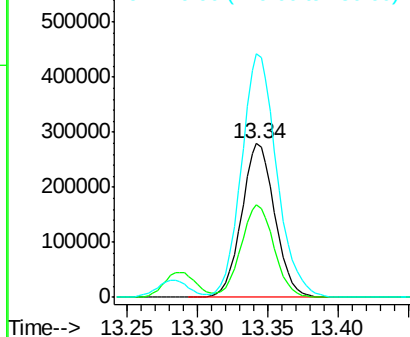
Tot Ion:	152	Resp:	460543
Ion Ratio	Lower	Upper	
152	100		
115	59.5	30.1	90.5
150	168.0	0.0	355.0

Manual Integrations
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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: 33.965 ug/l

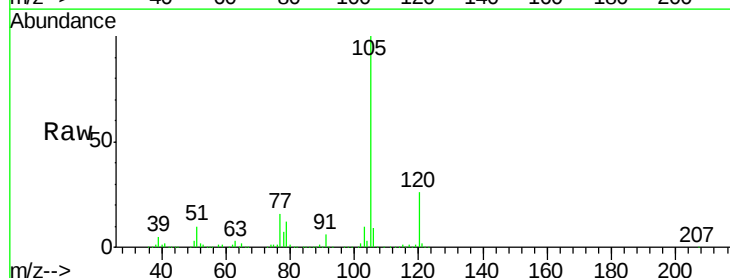
RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

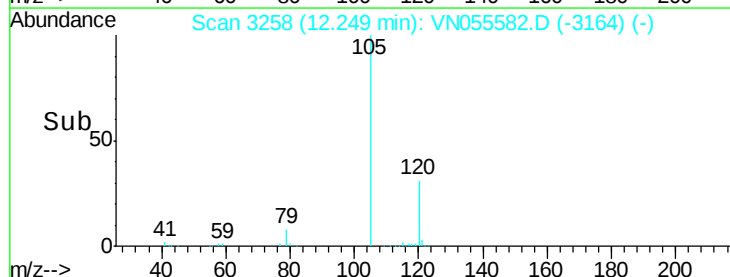
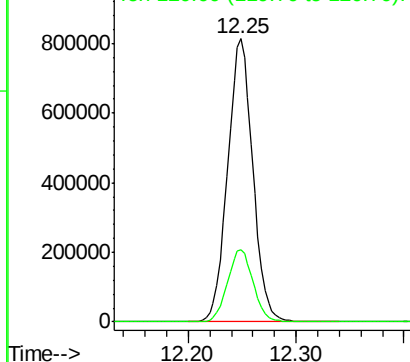
Lab File: VN055582.D

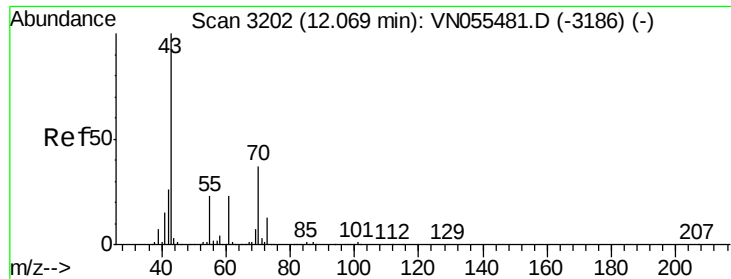
Acq: 13 May 2019 18:16

Tgt Ion:	105	Resp:	1320328
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: 28.623 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

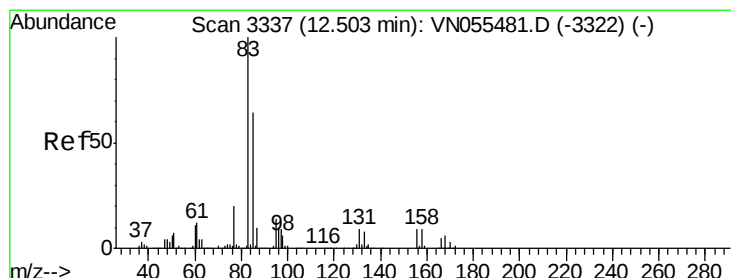
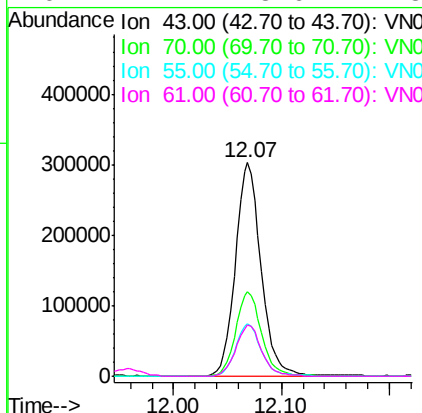
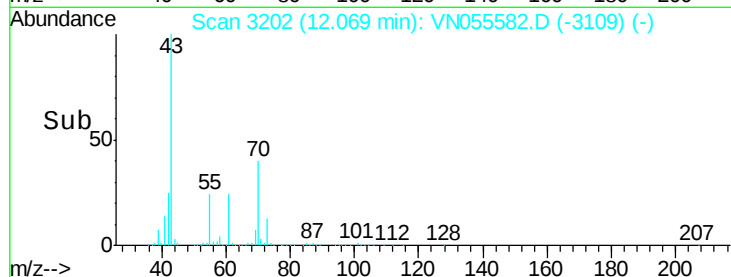
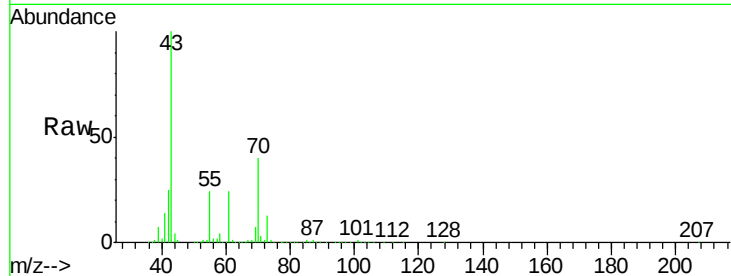
ClientSampleId :

KR-02 4-14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		500473		
70	40.1	30.7	46.1		
55	24.7	19.3	28.9		
61	24.1	18.6	27.8		

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#75

1,1,2,2-Tetrachloroethane

Concen: 32.891 ug/l

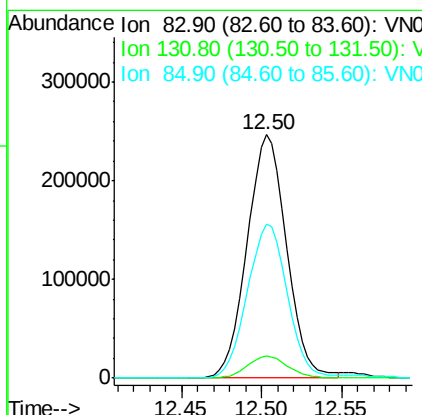
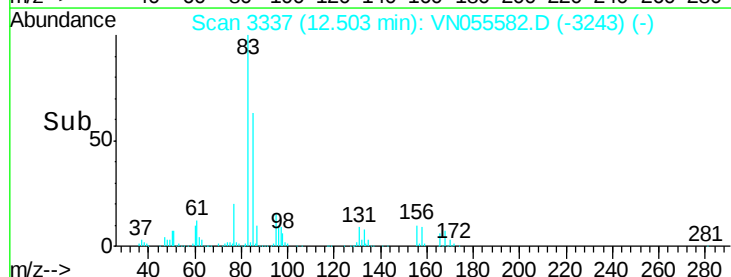
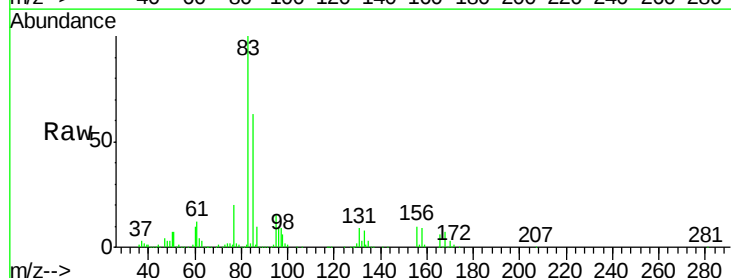
RT: 12.50 min Scan# 3337

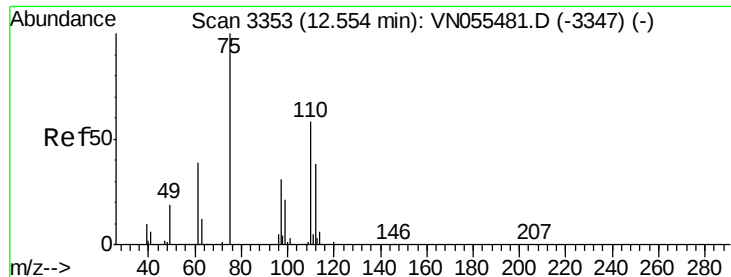
Delta R.T. 0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		416444		
131	9.4	4.5	13.5		
85	64.2	32.0	96.0		





#76

1,2,3-Trichloropropane

Concen: 27.346 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14

Tot Ion: 75 Resp: 342849

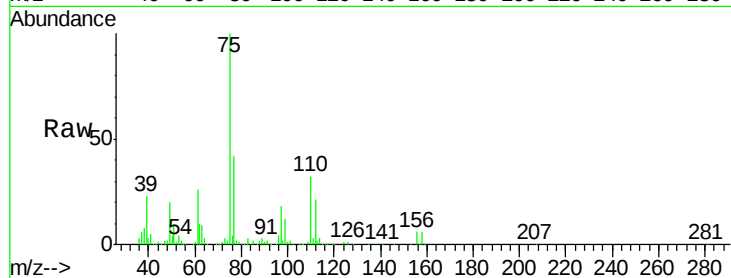
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

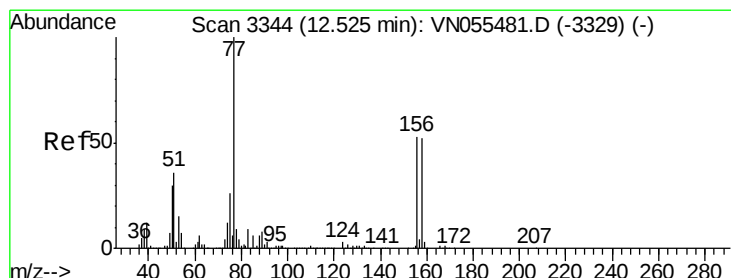
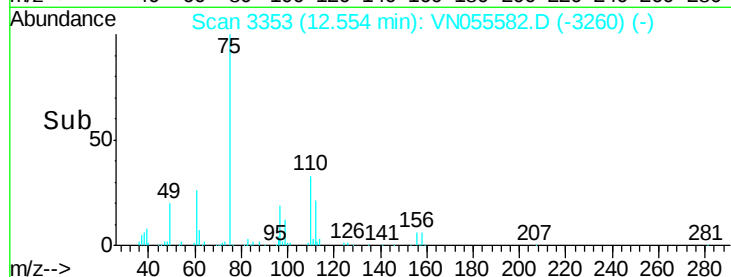
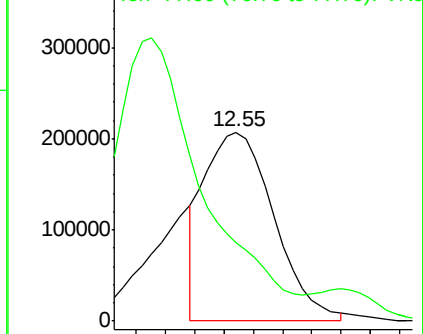
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 30.813 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

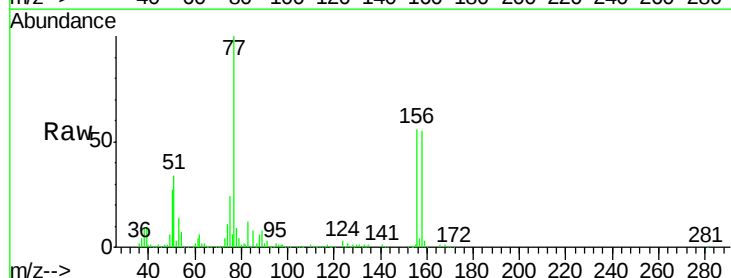
Tgt Ion: 156 Resp: 312732

Ion Ratio Lower Upper

156 100

77 214.4 115.4 346.2

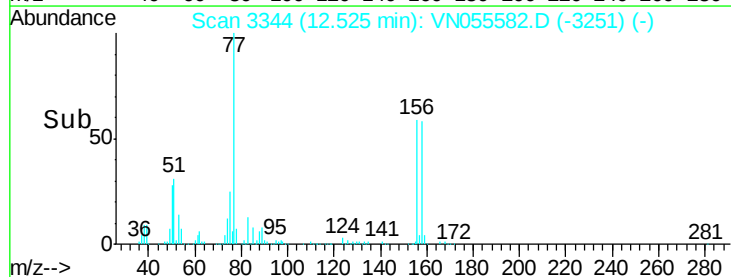
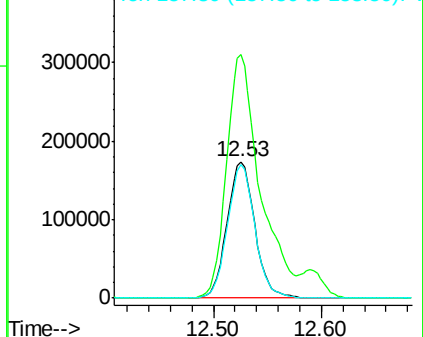
158 95.9 48.7 146.1

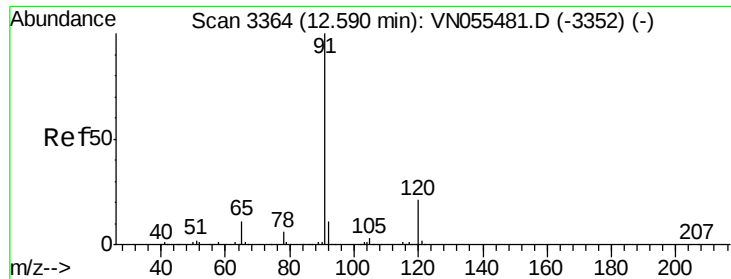


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 29.716 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

KR-02 4-14

Tot Ion: 91 Resp: 1467836

Ion Ratio Lower Upper

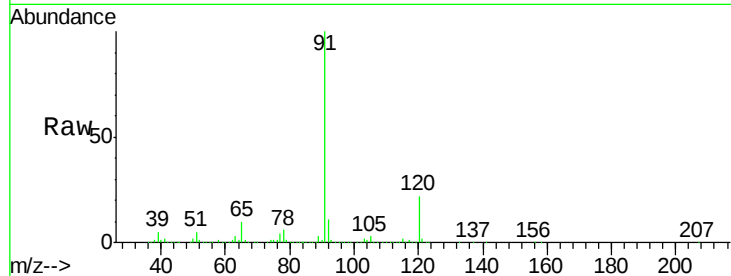
91 100

120 22.2 10.8 32.3

Manual Integrations
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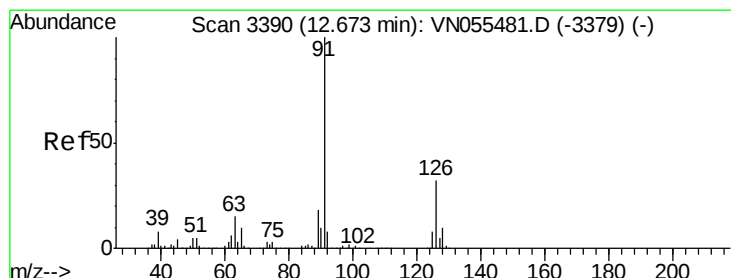
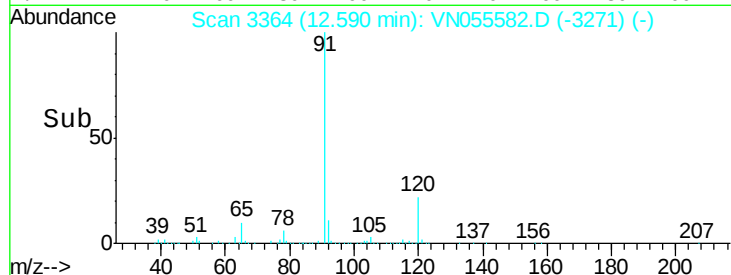
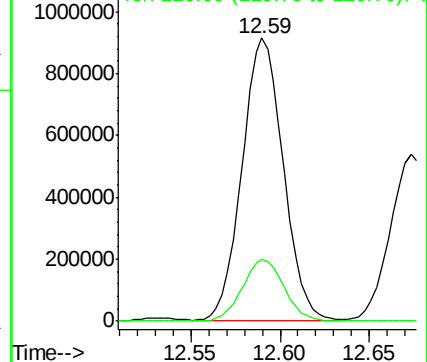
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 29.306 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055582.D

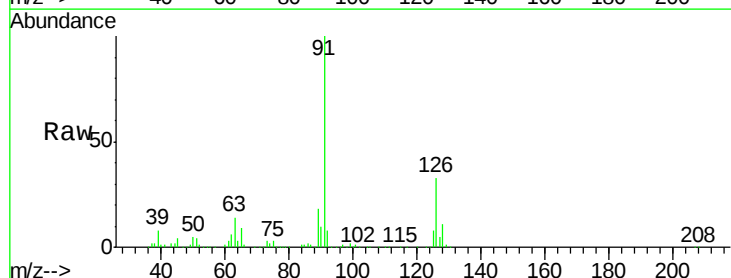
Acq: 13 May 2019 18:16

Tgt Ion: 91 Resp: 902169

Ion Ratio Lower Upper

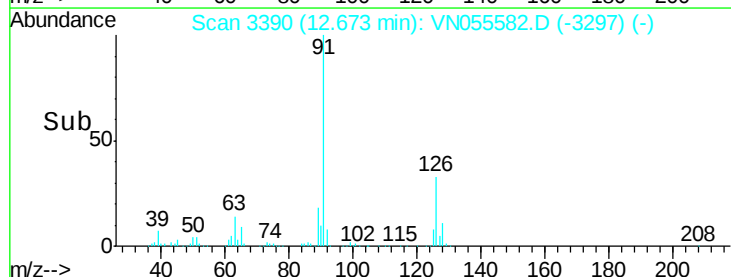
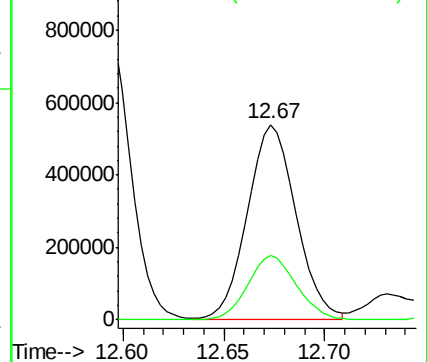
91 100

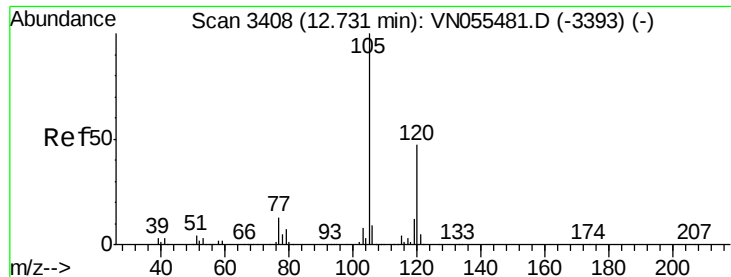
126 33.2 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





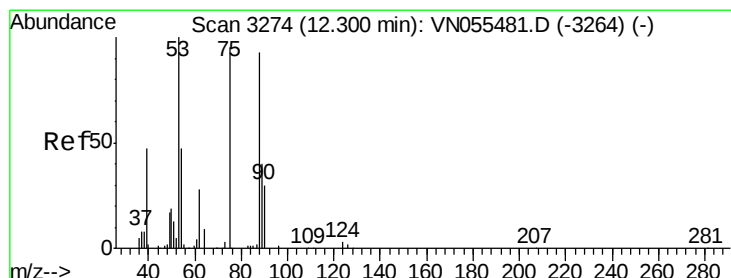
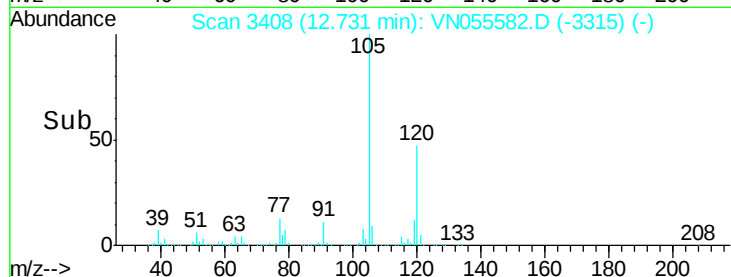
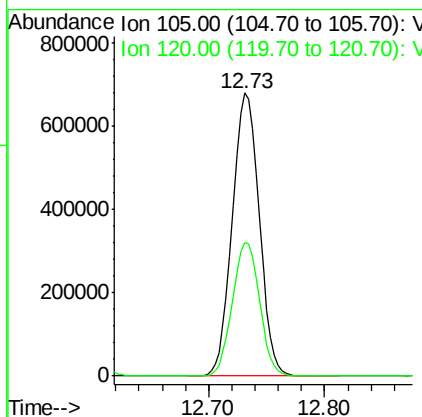
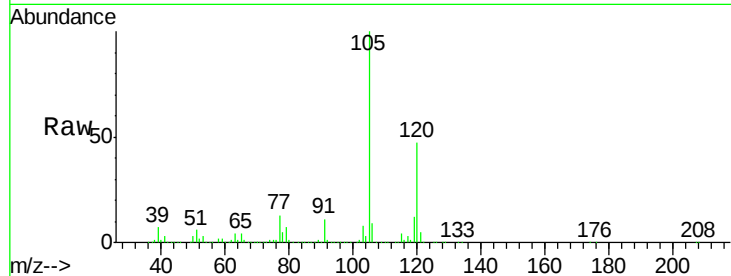
#80
 1,3,5-Trimethylbenzene
 Concen: 29.618 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion:105 Resp: 1090884
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.0

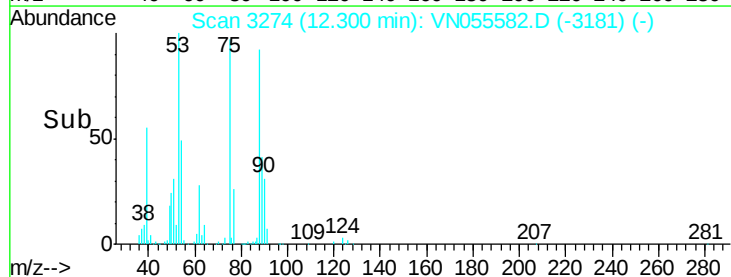
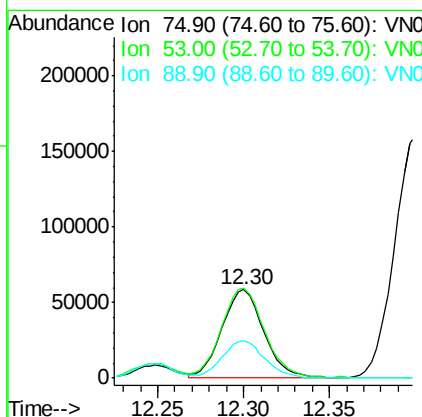
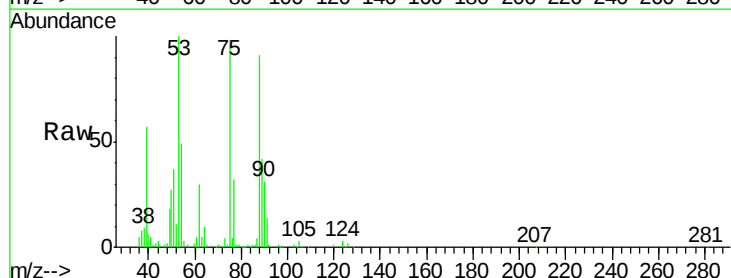
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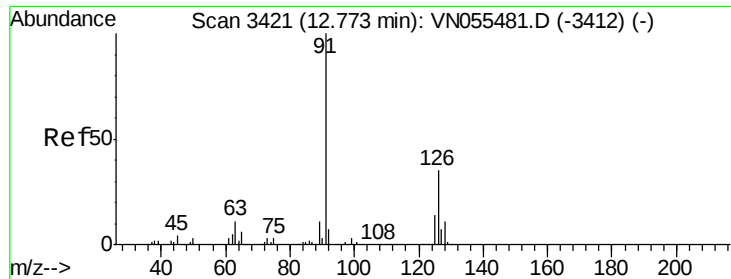
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 5/14/2019 9:43:08 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 29.009 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Tgt Ion: 75 Resp: 98568
 Ion Ratio Lower Upper
 75 100
 53 104.3 86.5 129.7
 89 43.6 35.7 53.5





#82

4-Chlorotoluene

Concen: 29.770 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

KR-02 4-14

Tot Ion: 91 Resp: 865962

Ion Ratio Lower Upper

91 100

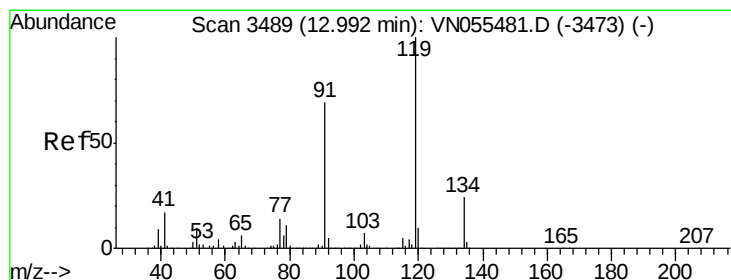
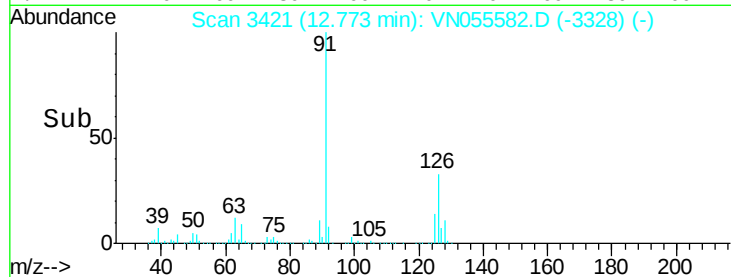
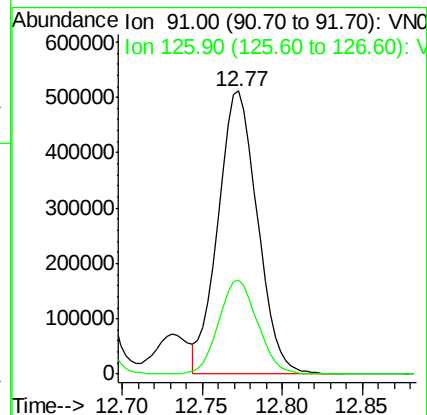
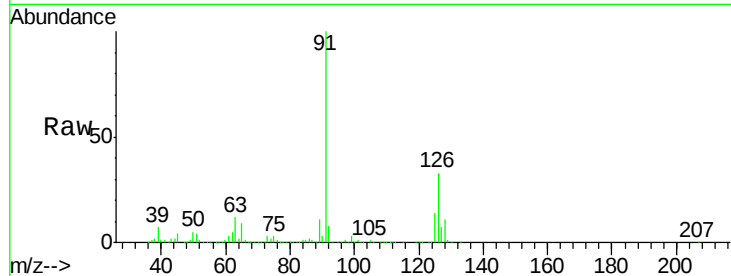
126 33.0 15.7 47.0

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#83

tert-Butylbenzene

Concen: 29.251 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

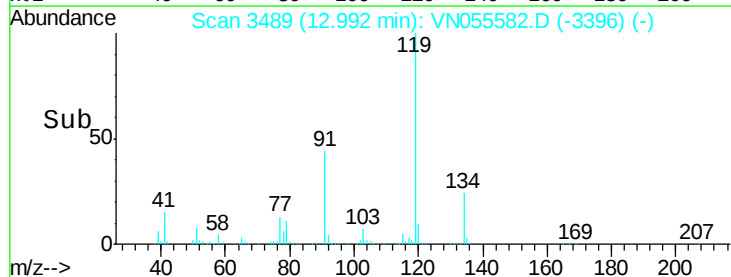
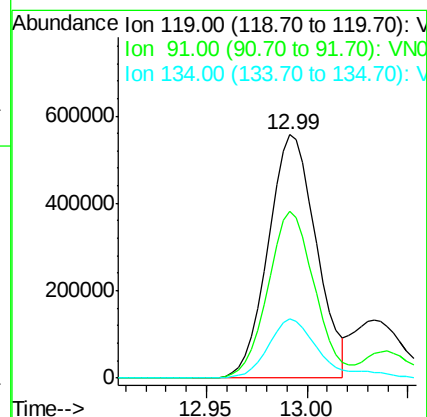
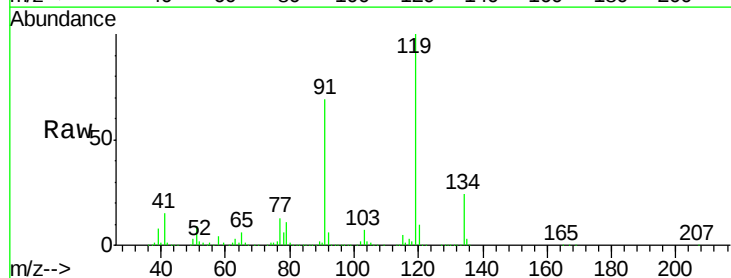
Tgt Ion: 119 Resp: 923481

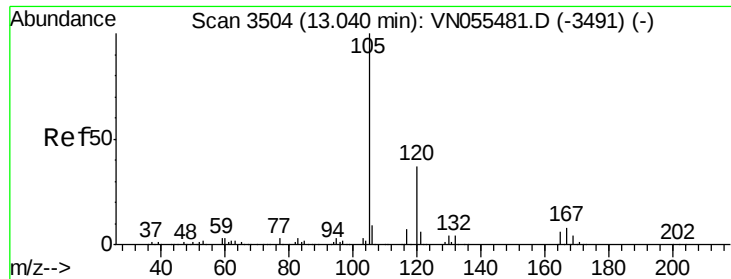
Ion Ratio Lower Upper

119 100

91 66.3 33.8 101.3

134 26.1 12.5 37.5





#84

1,2,4-Trimethylbenzene

Concen: 30.401 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion:105 Resp: 1026939

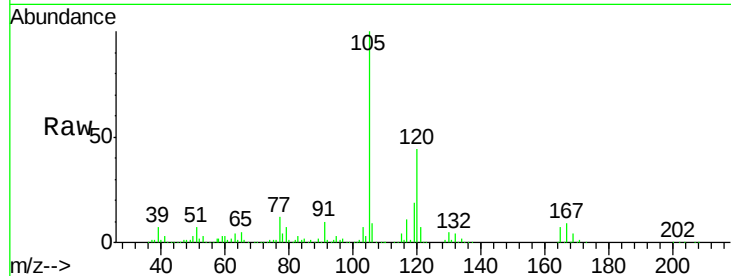
Ion Ratio Lower Upper

105 100

120 44.7 22.1 66.5

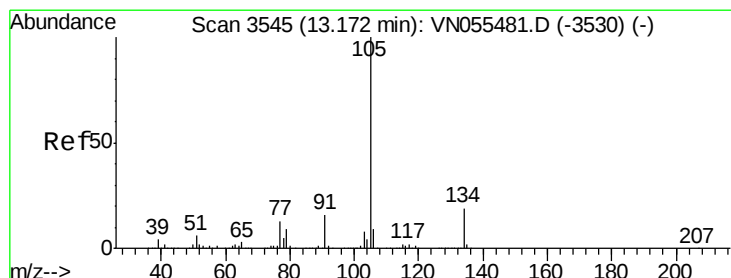
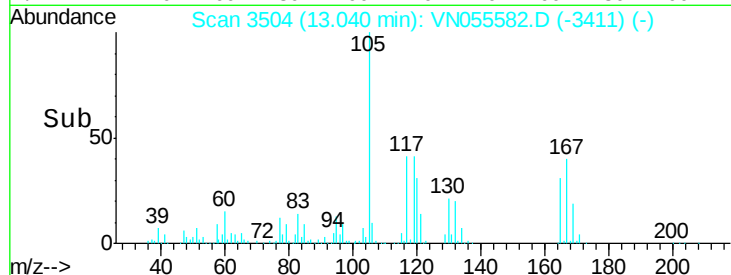
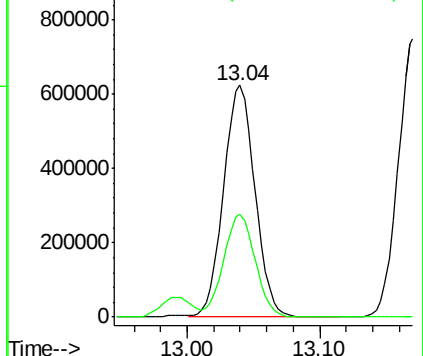
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 29.139 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055582.D

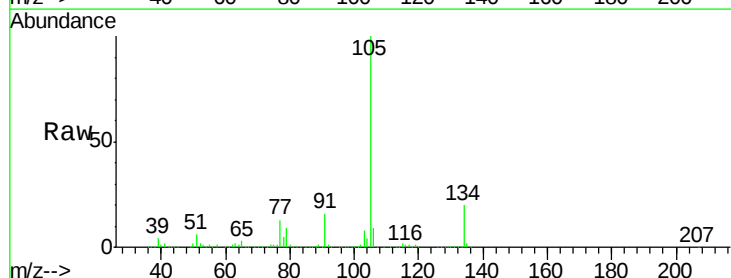
Acq: 13 May 2019 18:16

Tgt Ion:105 Resp: 1222606

Ion Ratio Lower Upper

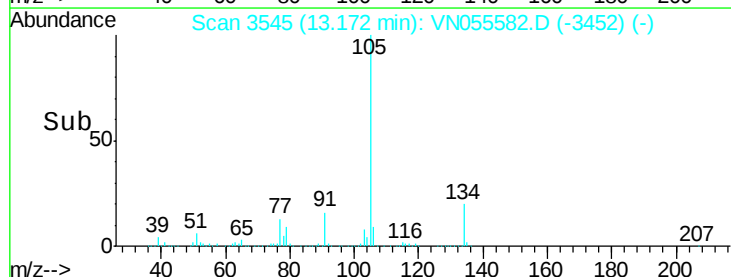
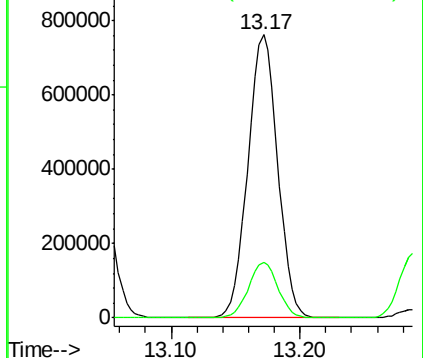
105 100

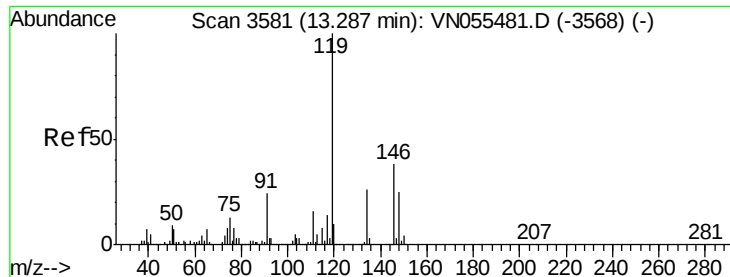
134 19.6 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





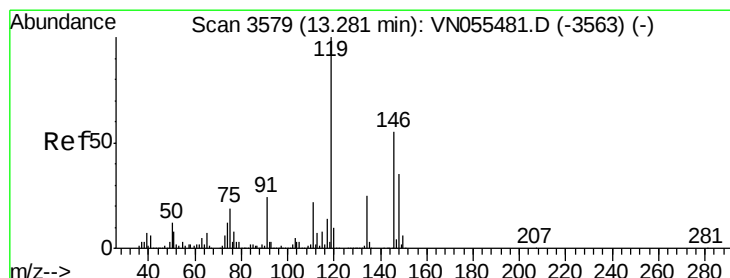
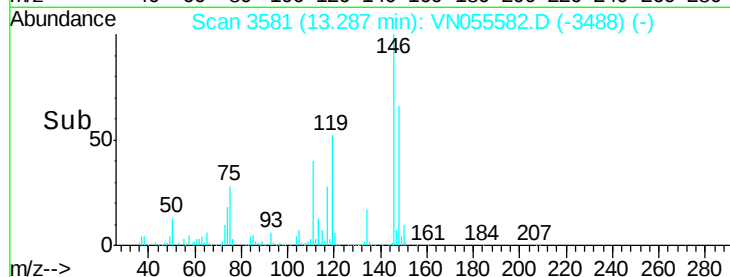
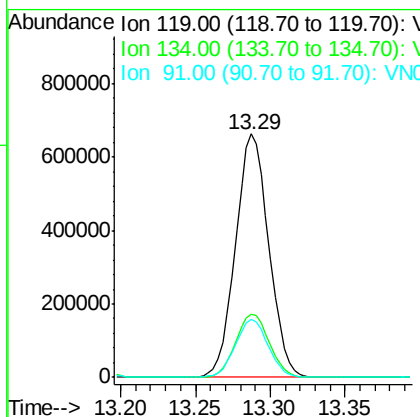
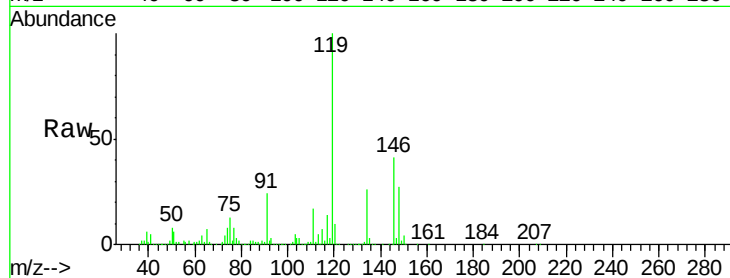
#86
 p-Isopropyltoluene
 Concen: 29.935 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.8	38.4
91	23.5	12.0	36.0

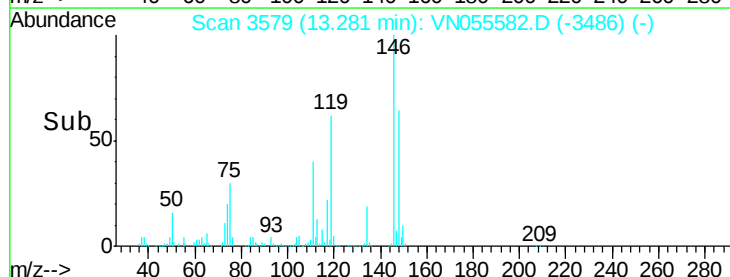
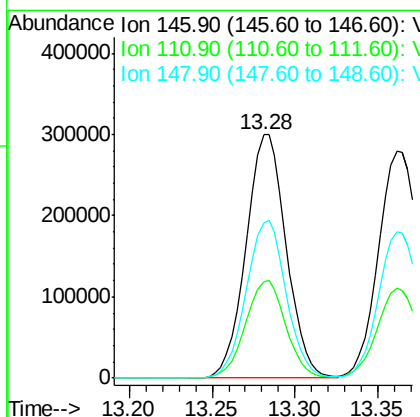
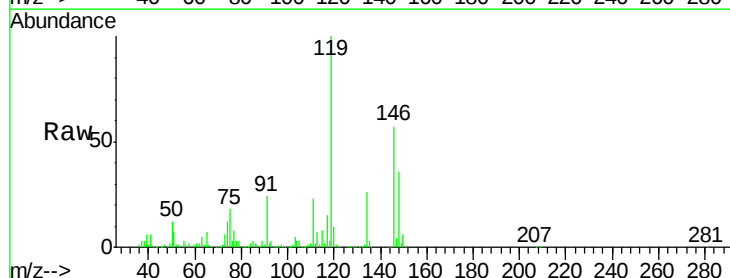
Manual Integrations
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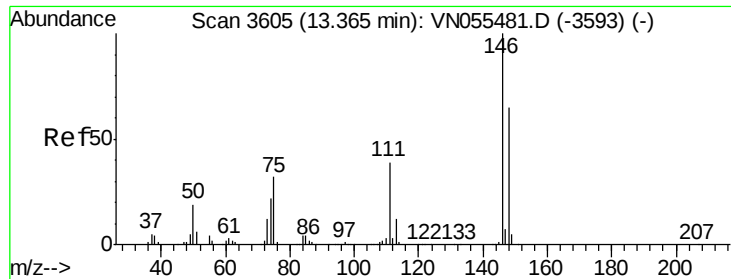
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 5/14/2019 9:43:08 AM



#87
 1,3-Dichlorobenzene
 Concen: 32.213 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.3	32.1	96.5





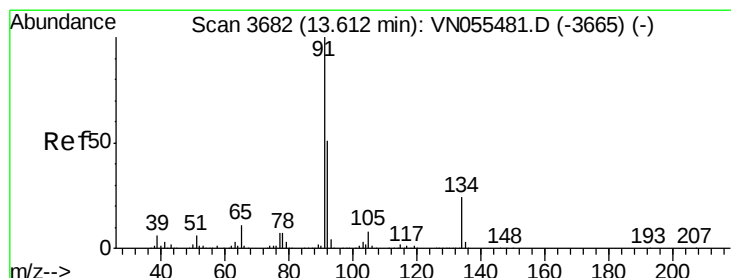
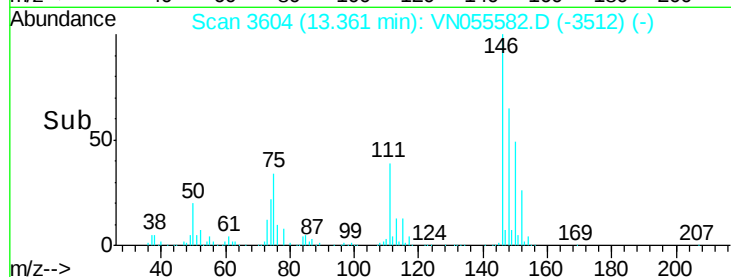
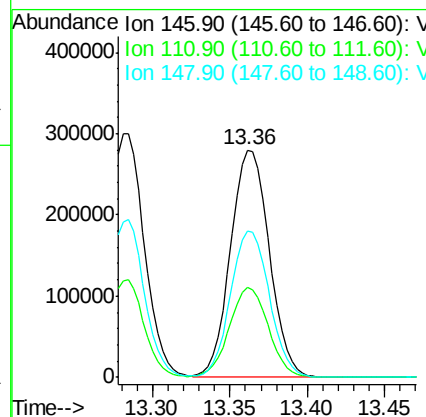
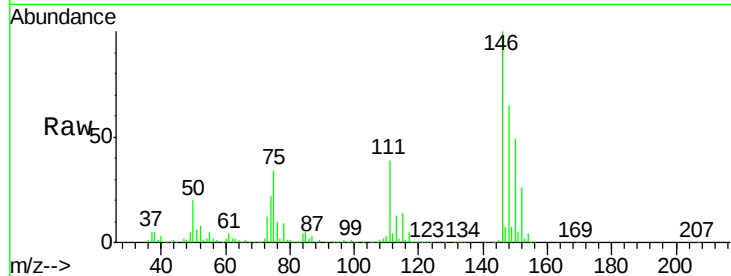
#88
 1,4-Dichlorobenzene
 Concen: 31.405 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.8
148	64.4	32.5	97.4

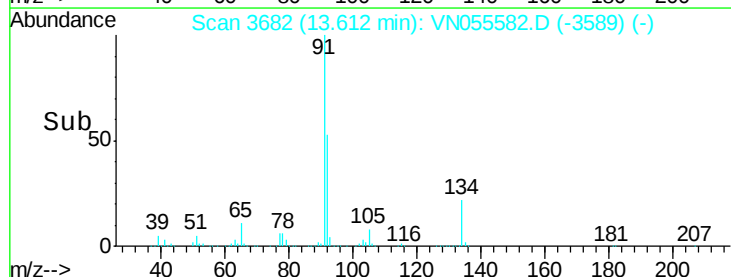
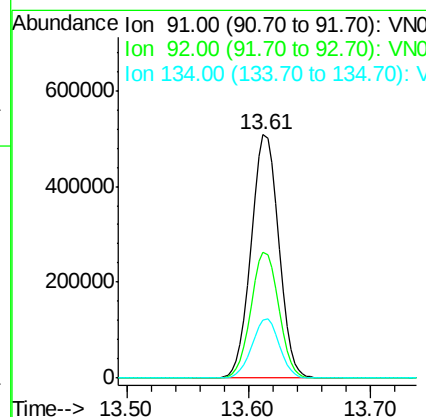
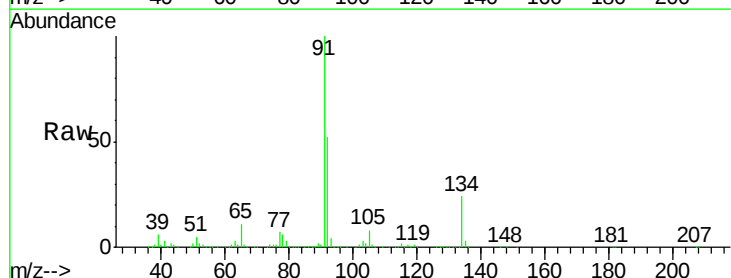
Manual Integrations
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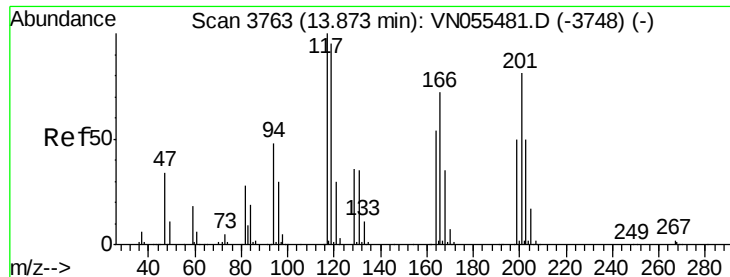
MMDadoda
 5/14/2019 9:43:08 AM



#89
 n-Butylbenzene
 Concen: 29.746 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.7
134	24.0	11.8	35.4





#90

Hexachloroethane

Concen: 29.013 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

KR-02 4-14

Tot Ion:117 Resp: 161609

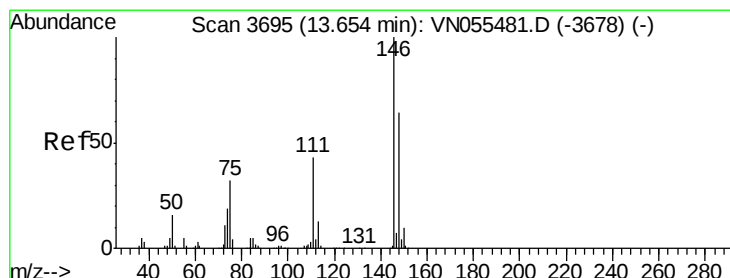
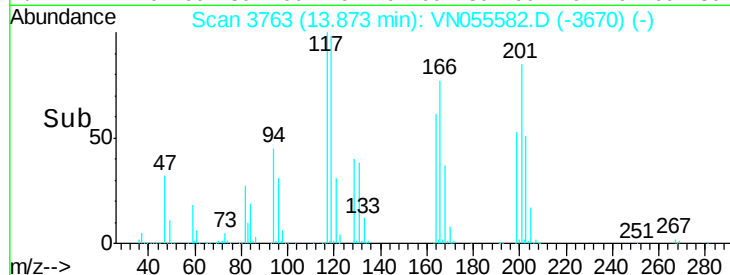
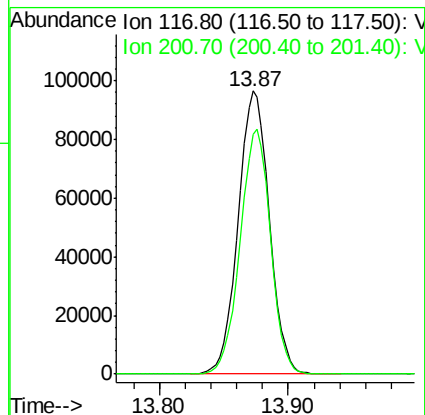
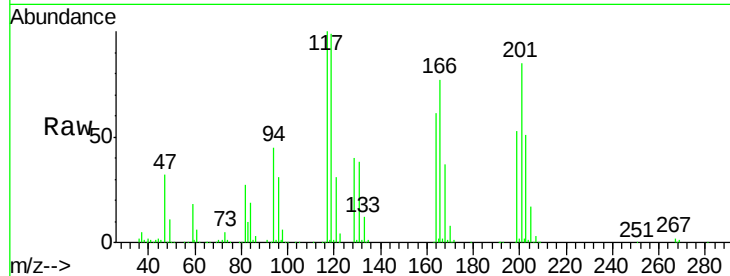
Ion Ratio Lower Upper

117 100

201 84.4 40.1 120.2

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#91

1,2-Dichlorobenzene

Concen: 32.114 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

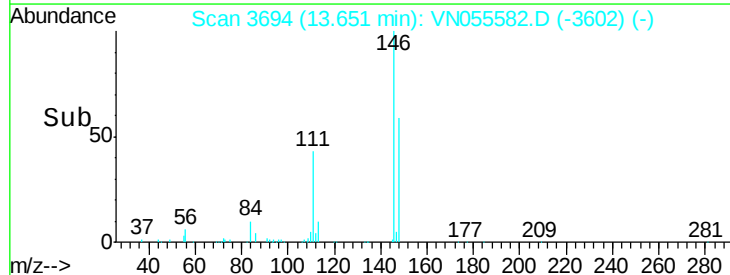
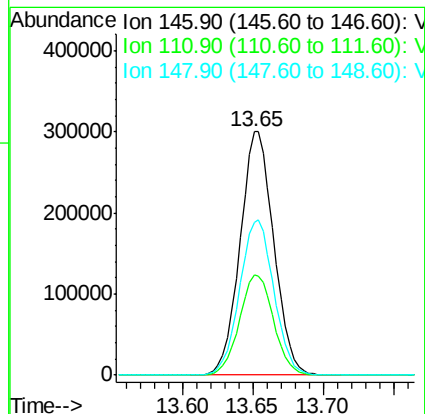
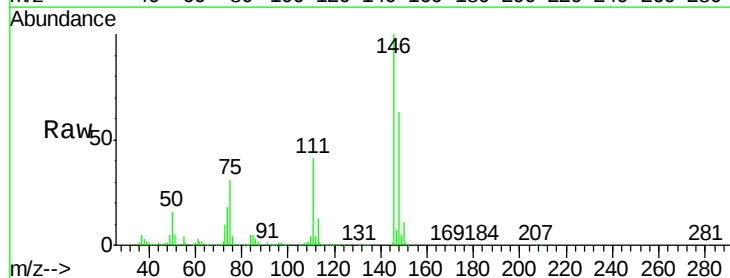
Tgt Ion:146 Resp: 503360

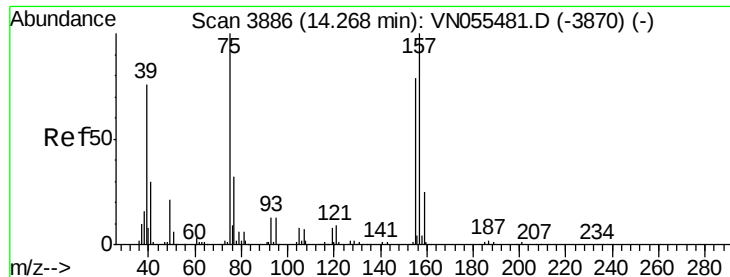
Ion Ratio Lower Upper

146 100

111 41.7 21.3 63.7

148 64.7 31.9 95.9





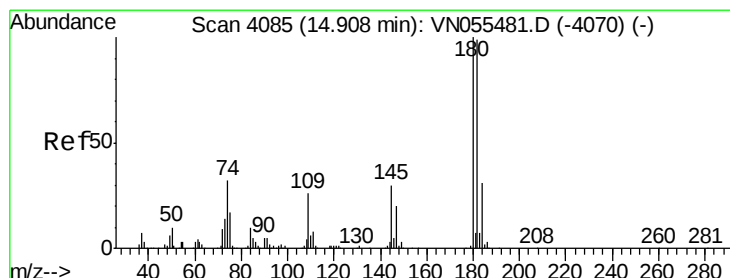
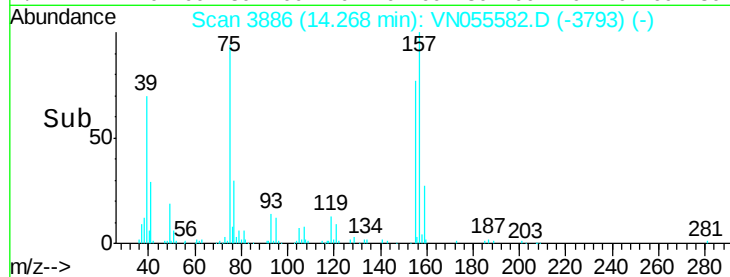
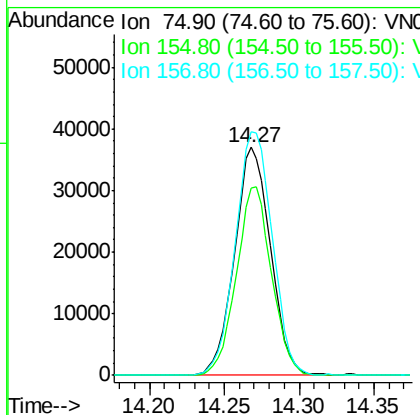
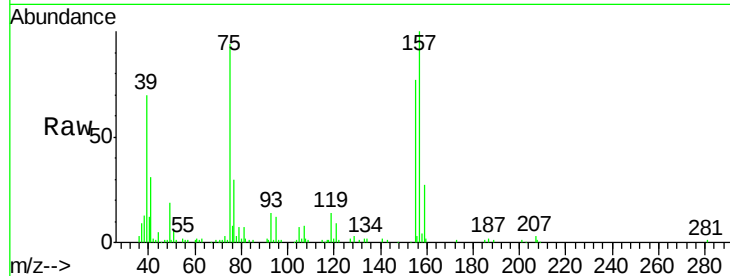
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 29.284 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.3	117.8
157	109.5	50.6	151.8

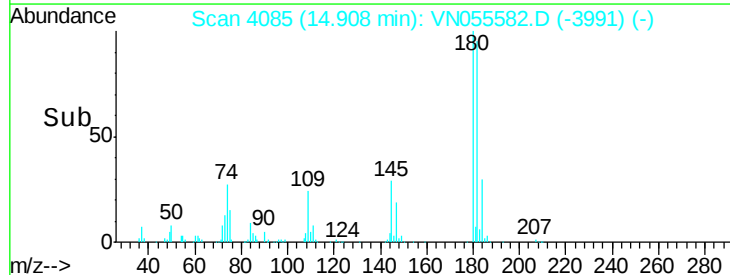
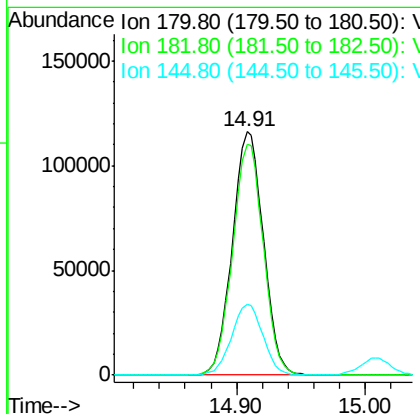
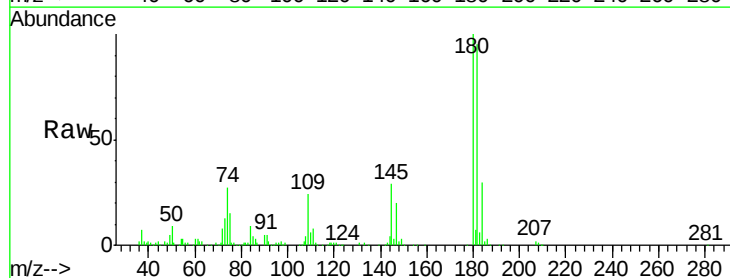
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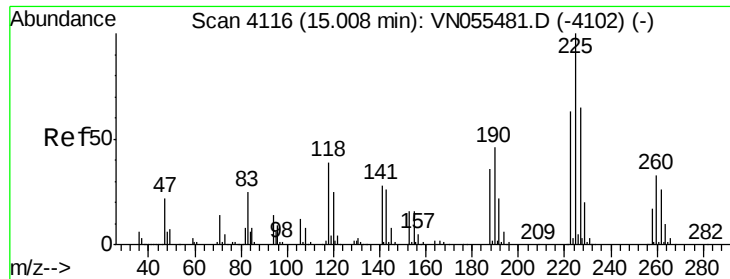
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#93
 1,2,4-Trichlorobenzene
 Concen: 29.832 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.7	146.1
145	29.6	15.3	45.9





#94

Hexachlorobutadiene

Concen: 33.035 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055582.D

Acq: 13 May 2019 18:16

Instrument :

MSVOA_N

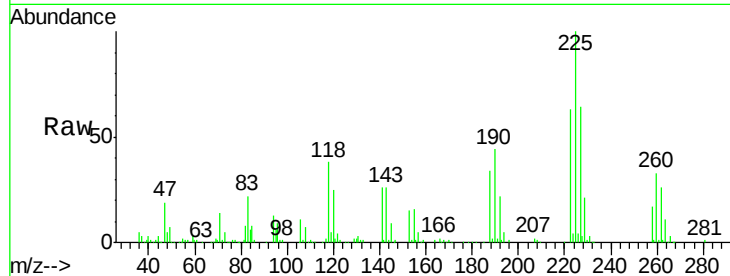
ClientSampleId :

KR-02 4-14

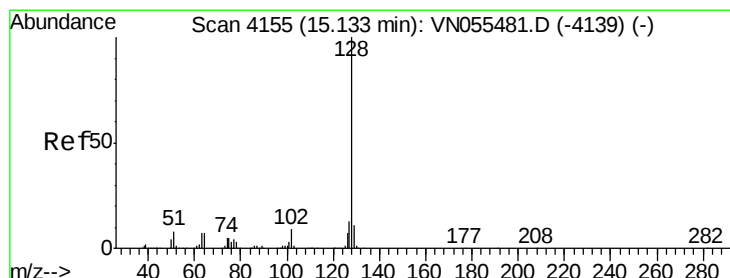
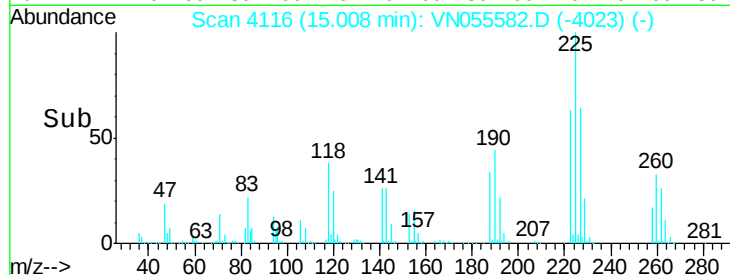
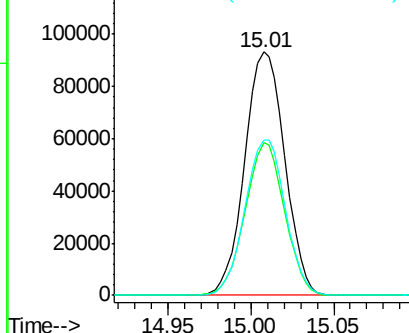
Tot Ion:	225	Resp:	156898
Ion Ratio		Lower	Upper
225	100		
223	61.7	31.4	94.3
227	64.5	32.0	96.0

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



#95

Naphthalene

Concen: 30.376 ug/l

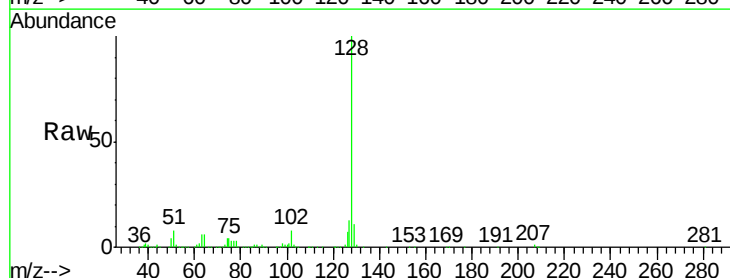
RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

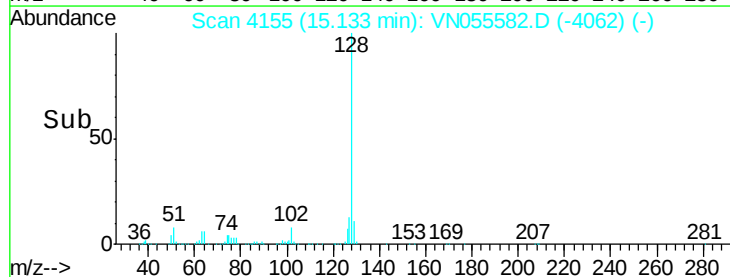
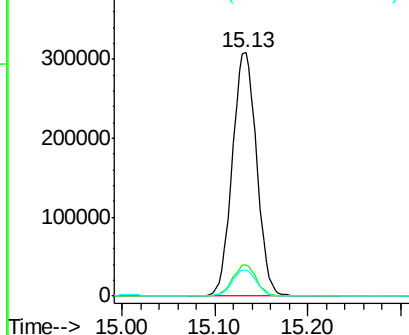
Lab File: VN055582.D

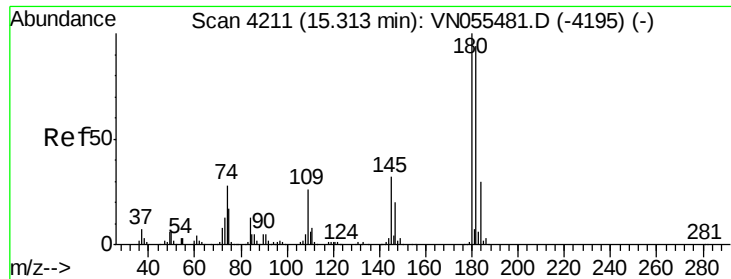
Acq: 13 May 2019 18:16

Tgt Ion:	128	Resp:	559757
Ion Ratio		Lower	Upper
128	100		
127	12.5	10.0	15.0
129	10.8	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 30.240 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN055582.D
 Acq: 13 May 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216050		
182	94.7		47.1	141.3
145	32.0		15.8	47.4

Manual Integrations
 APPROVED

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 5/14/2019 9:43:08 AM

