

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055581.D
 Acq On : 13 May 2019 17:51
 Operator : JC/SP
 Sample : K2840-05MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02 4-14

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:42:58 AM

Quant Time: May 14 03:24:19 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	791114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1334869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1163148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	498642	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	553267	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	7.59	113	447082	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.09	98	1727022	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	597028	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	332776	41.316	ug/l	99
3) Chloromethane	2.06	50	514070	39.286	ug/l	100
4) Vinyl Chloride	2.18	62	531333	43.016	ug/l	100
5) Bromomethane	2.53	94	289608	42.792	ug/l	99
6) Chloroethane	2.68	64	331880	46.128	ug/l	98
7) Trichlorofluoromethane	3.01	101	613637	45.284	ug/l	100
8) Diethyl Ether	3.41	74	289281	47.534	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	398319	46.201	ug/l	96
10) Methyl Iodide	3.94	142	505568	43.387	ug/l	98
11) Tert butyl alcohol	4.81	59	326885	185.862	ug/l	99
12) 1,1-Dichloroethene	3.72	96	407129	47.087	ug/l	97
13) Acrolein	3.60	56	268128	228.750	ug/l	98
14) Allyl chloride	4.31	41	778624	43.961	ug/l	98
15) Acrylonitrile	4.99	53	1161186	213.221	ug/l	99
16) Acetone	3.82	43	892934	161.898	ug/l	97
17) Carbon Disulfide	4.04	76	1017231	43.105	ug/l	99
18) Methyl Acetate	4.33	43	498447	42.909	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	1334920	46.464	ug/l	100
20) Methylene Chloride	4.54	84	492375	43.658	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	441888	47.137	ug/l	91
22) Diisopropyl ether	5.95	45	1673337	46.491	ug/l	98
23) Vinyl Acetate	5.90	43	6320784	227.080	ug/l	100
24) 1,1-Dichloroethane	5.85	63	889064	45.759	ug/l	100
25) 2-Butanone	6.84	43	1508063	197.938	ug/l	97
26) 2,2-Dichloropropane	6.82	77	583375	48.165	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	515921	47.620	ug/l	98
28) Bromochloromethane	7.19	49	466868	46.270	ug/l	94
29) Tetrahydrofuran	7.21	42	1023060	203.121	ug/l	97
30) Chloroform	7.37	83	832042	46.324	ug/l	100
31) Cyclohexane	7.65	56	804650	41.857	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	644897	47.149	ug/l	99
36) 1,1-Dichloropropene	7.79	75	637905	48.507	ug/l	98
37) Ethyl Acetate	6.93	43	610681	42.570	ug/l	99
38) Carbon Tetrachloride	7.77	117	525761	47.479	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	725032	45.218	ug/l	98
40) Benzene	8.04	78	1958618	47.988	ug/l	99
41) Methacrylonitrile	7.17	41	324086	48.675	ug/l	98
42) 1,2-Dichloroethane	8.12	62	639899	44.626	ug/l	99
43) Isopropyl Acetate	8.17	43	992134	45.523	ug/l	96
44) Trichloroethene	8.83	130	481128	49.543	ug/l	96
45) 1,2-Dichloropropane	9.12	63	548343	46.955	ug/l	98
46) Dibromomethane	9.21	93	316436	46.748	ug/l	96
47) Bromodichloromethane	9.40	83	628415	48.528	ug/l	99
48) Methyl methacrylate	9.20	41	480312	45.742	ug/l	96
49) 1,4-Dioxane	9.20	88	170598	833.575	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	3084136	215.169	ug/l	98
52) Toluene	10.15	92	1156102	49.547	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	645313	51.886	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	760632	51.181	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	460208	48.679	ug/l	98
56) Ethyl methacrylate	10.43	69	676288	48.093	ug/l	96
57) 1,3-Dichloropropane	10.71	76	814218	48.512	ug/l	100
59) 2-Hexanone	10.75	43	2082231	207.143	ug/l	98
60) Dibromochloromethane	10.90	129	441040	51.310	ug/l	100
61) 1,2-Dibromoethane	11.00	107	444366	48.920	ug/l	98
64) Tetrachloroethene	10.63	164	456674	47.915	ug/l	99
65) Chlorobenzene	11.43	112	1193018	49.854	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	414829	50.354	ug/l	99
67) Ethyl Benzene	11.51	91	2198301	48.912	ug/l	99
68) m/p-Xylenes	11.62	106	1603535	99.418	ug/l	99
69) o-Xylene	11.95	106	791385	49.920	ug/l	98
70) Styrene	11.96	104	1332330	52.457	ug/l	99
71) Bromoform	12.13	173	290288	52.217	ug/l #	99
73) Isopropylbenzene	12.25	105	2074301	50.473	ug/l	100
74) N-amyl acetate	12.07	43	804699	42.506	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	637444	47.563	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	567247m	41.787	ug/l	
77) Bromobenzene	12.53	156	495582	45.098	ug/l	93
78) n-propylbenzene	12.59	91	2368540	44.286	ug/l	99
79) 2-Chlorotoluene	12.67	91	1424594	42.741	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1762548	44.197	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	159319	43.306	ug/l	98
82) 4-Chlorotoluene	12.77	91	1410518	44.786	ug/l	97
83) tert-Butylbenzene	12.99	119	1462169	42.776	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1708239	46.706	ug/l	99
85) sec-Butylbenzene	13.17	105	1951347	42.954	ug/l	99
86) p-Isopropyltoluene	13.29	119	1686626	45.619	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	824038	48.528	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	795392	47.464	ug/l	100
89) n-Butylbenzene	13.61	91	1356659	47.340	ug/l	99
90) Hexachloroethane	13.87	117	260679	43.223	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	812376	47.868	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	98620	43.010	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	336689	45.848	ug/l	96

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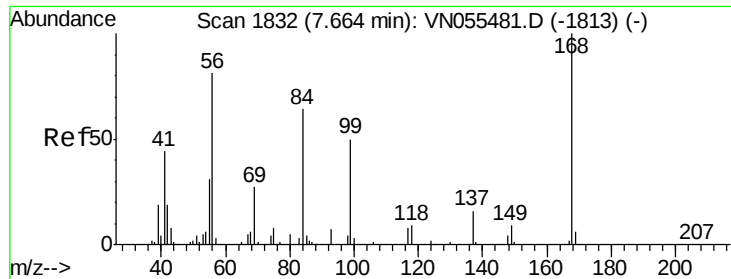
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QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	242123	48.123	ug/l	99
95) Naphthalene	15.13	128	858313	41.796	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	353859	44.503	ug/l	98

(#) = 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

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Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion:168 Resp: 791114

Ion Ratio Lower Upper

168 100

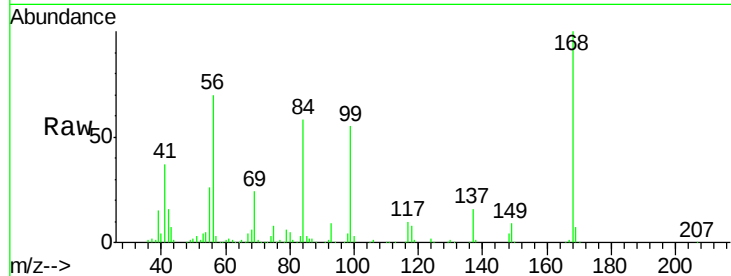
99 54.6 47.0 70.4

Manual Integrations

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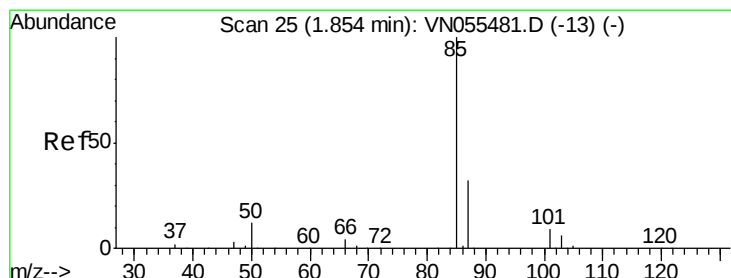
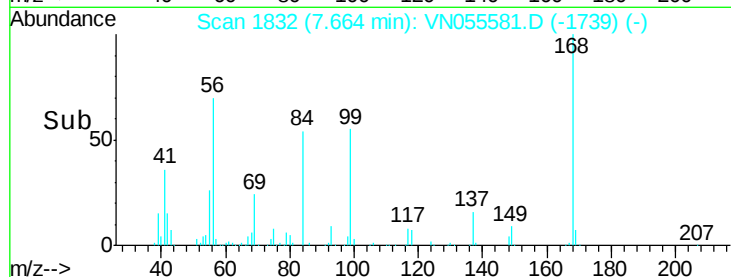
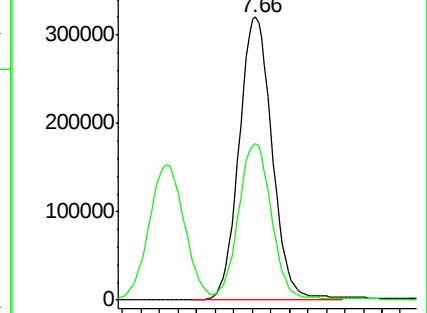
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.316 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.01 min

Lab File: VN055581.D

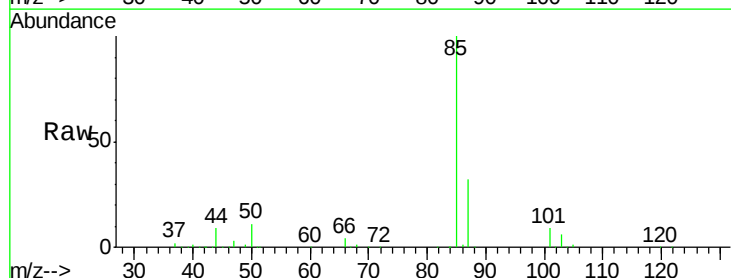
Acq: 13 May 2019 17:51

Tgt Ion: 85 Resp: 332776

Ion Ratio Lower Upper

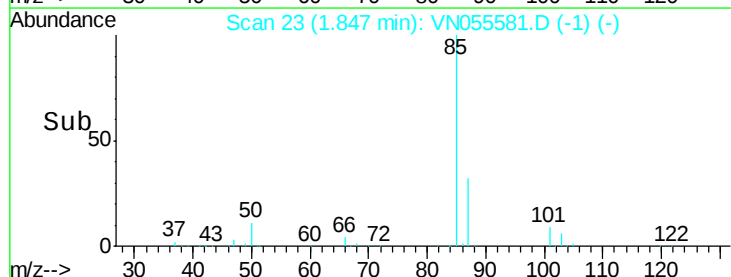
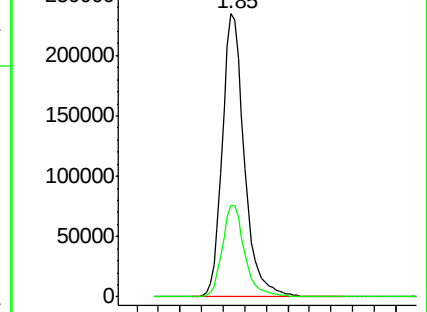
85 100

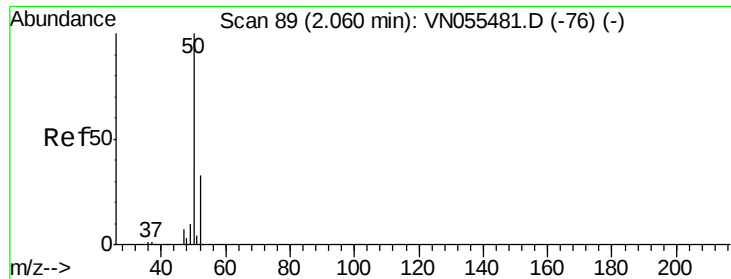
87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 39.286 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 50 Resp: 514070

Ion Ratio Lower Upper

50 100

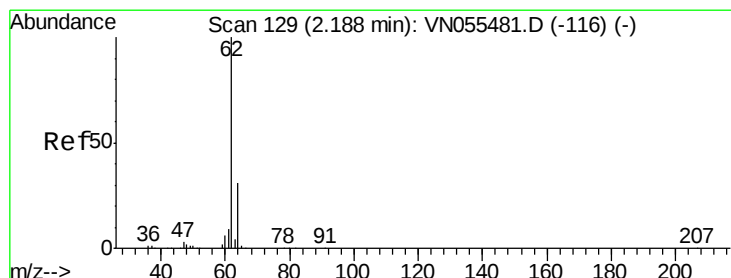
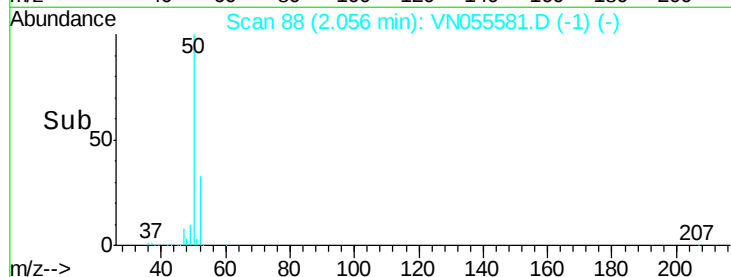
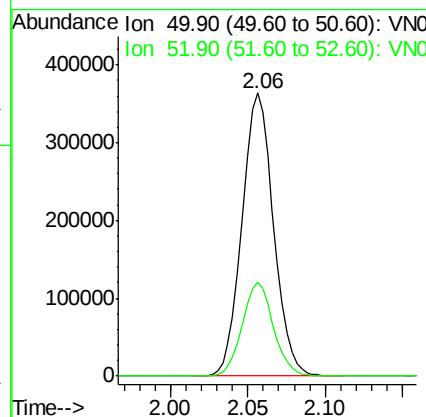
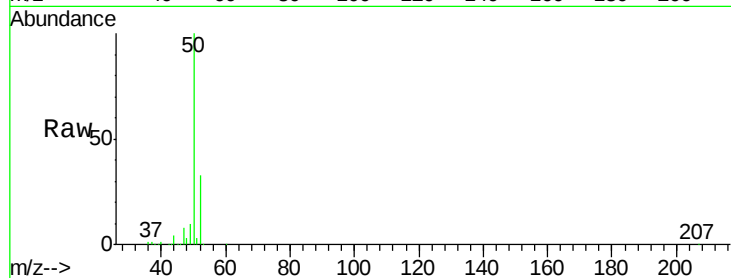
52 33.0 26.6 39.8

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#4

Vinyl Chloride

Concen: 43.016 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055581.D

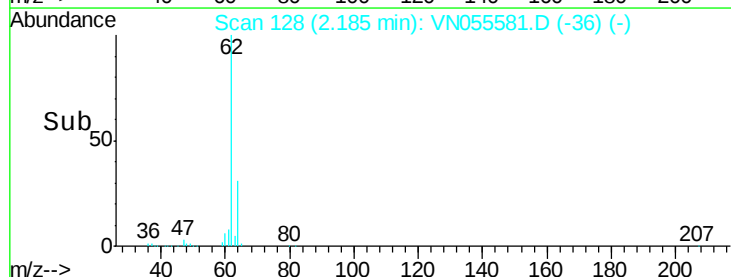
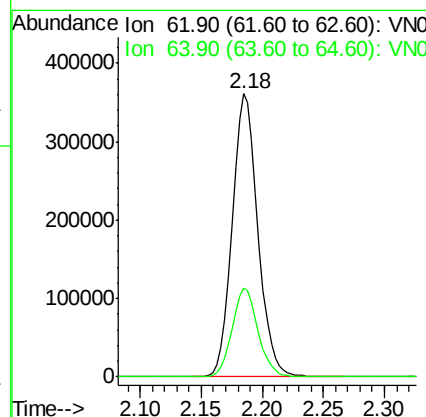
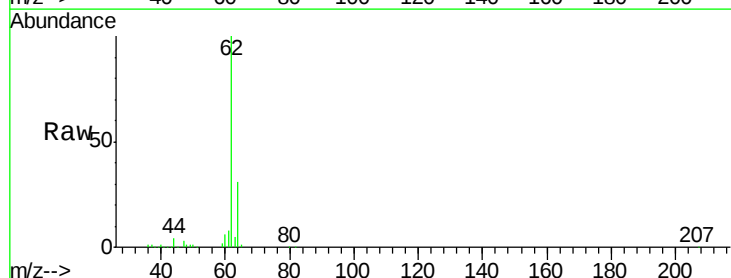
Acq: 13 May 2019 17:51

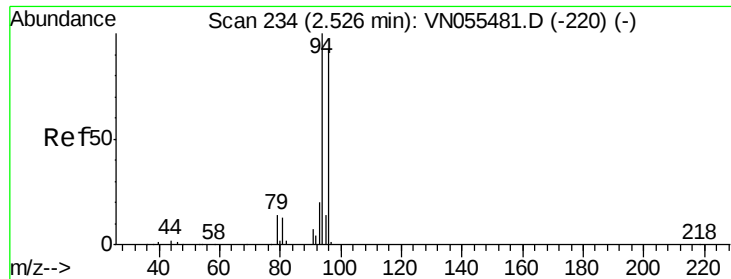
Tgt Ion: 62 Resp: 531333

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 42.792 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

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ClientSampleId :

KR-02 4-14

Tot Ion: 94 Resp: 289608

Ion Ratio Lower Upper

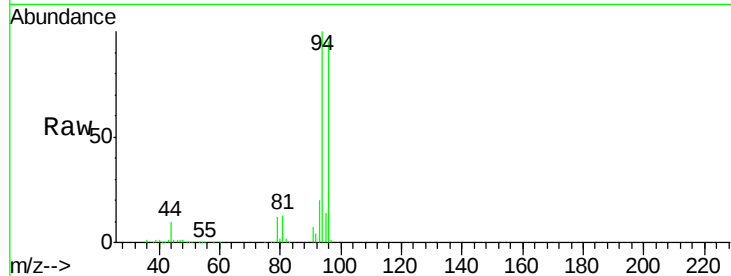
94 100

96 94.9 74.8 112.2

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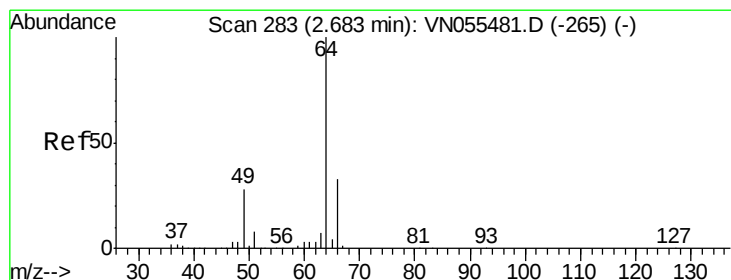
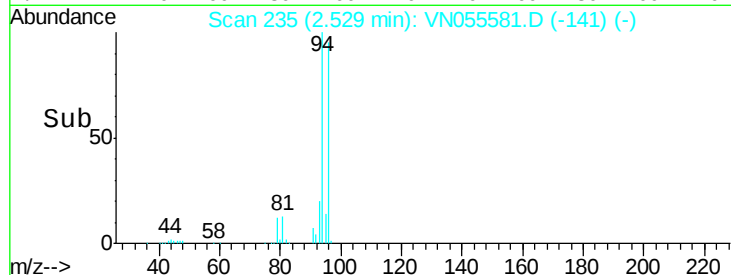
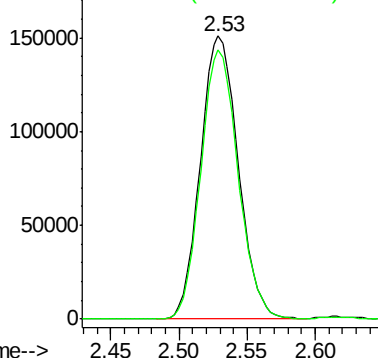
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.128 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN055581.D

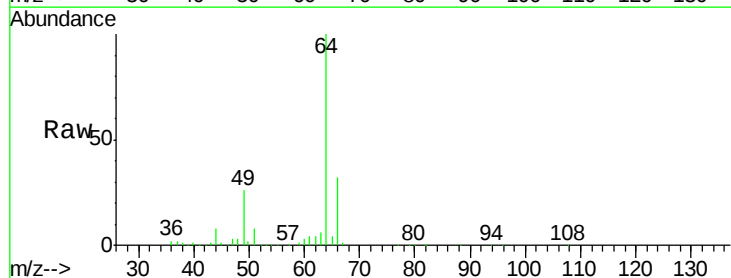
Acq: 13 May 2019 17:51

Tgt Ion: 64 Resp: 331880

Ion Ratio Lower Upper

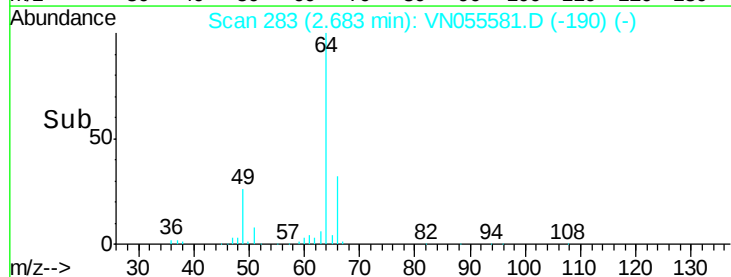
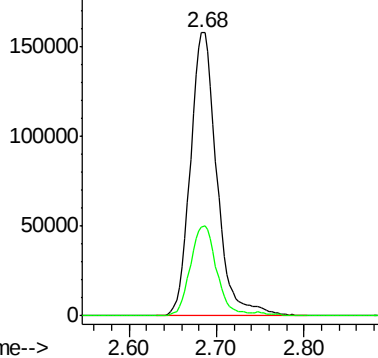
64 100

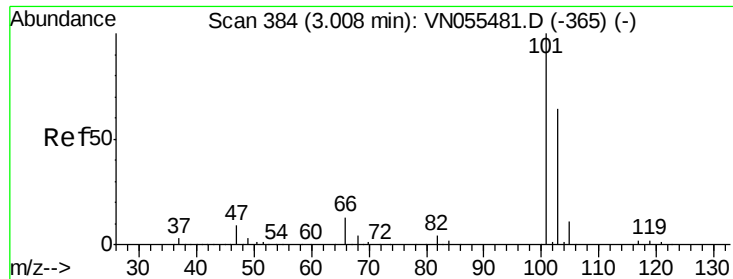
66 31.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

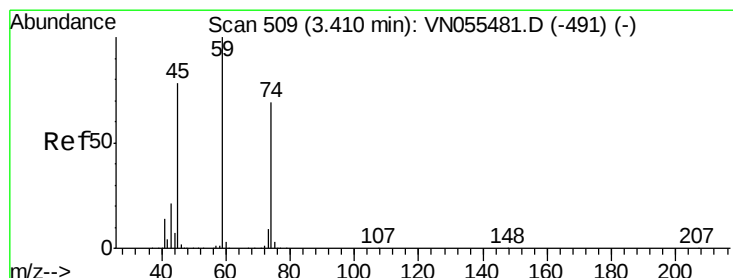
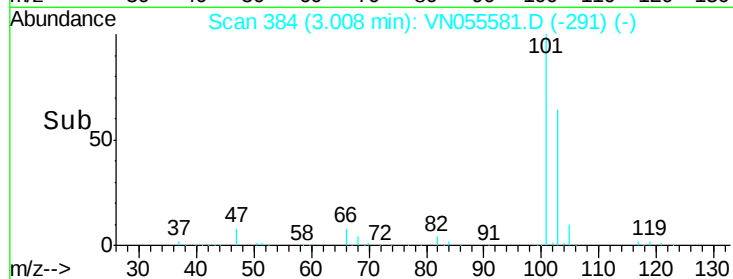
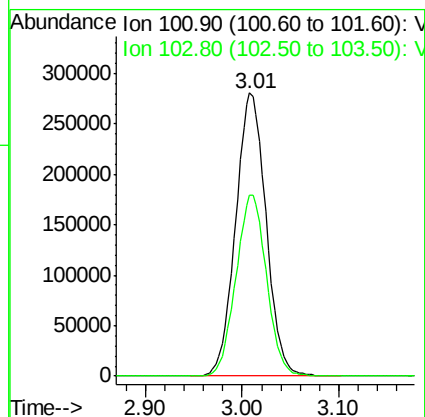
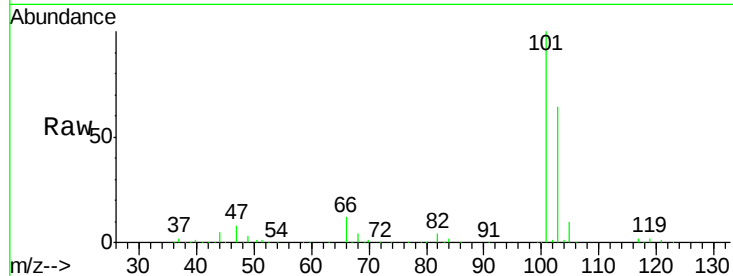
Trichlorofluoromethane
Concen: 45.284 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

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KR-02_4-14

Tot Ion:101 Resp: 613637
Ion Ratio Lower Upper
101 100
103 63.8 51.2 76.8

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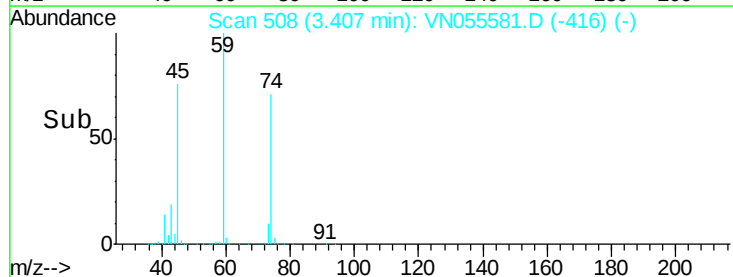
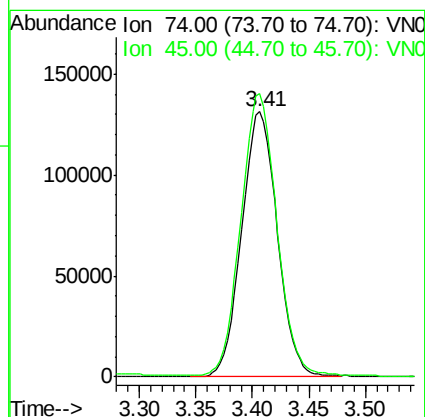
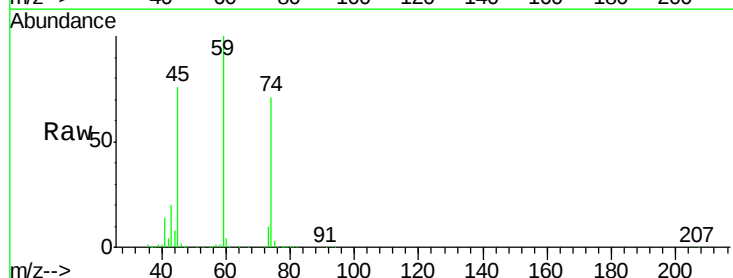
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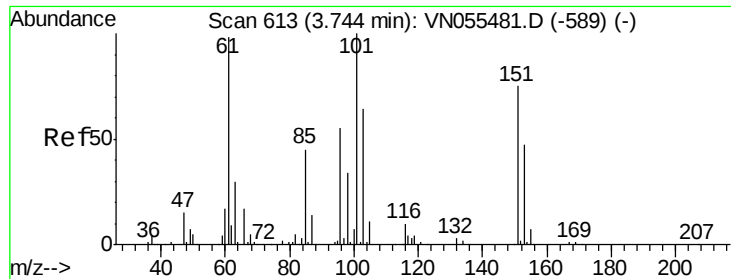


#8

Diethyl Ether
Concen: 47.534 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion: 74 Resp: 289281
Ion Ratio Lower Upper
74 100
45 106.4 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.201 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

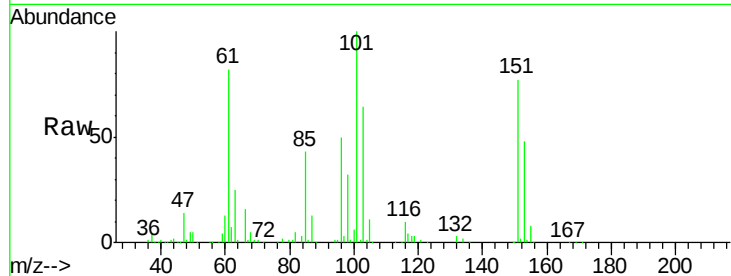
ClientSampleId :

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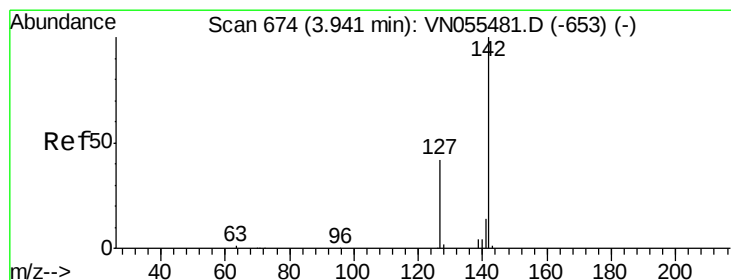
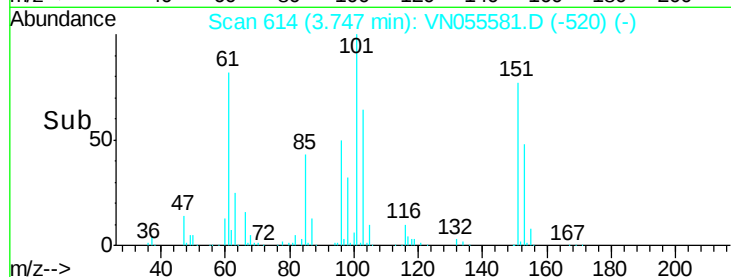
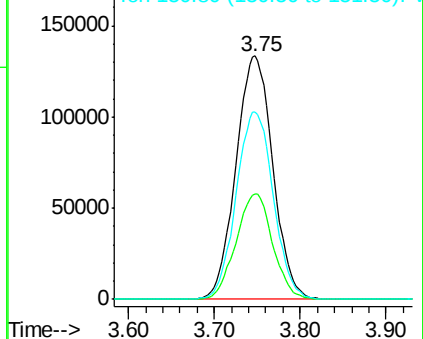
Tot Ion:	101	Resp:	398319
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.5	53.3
151	77.5	59.2	88.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.387 ug/l

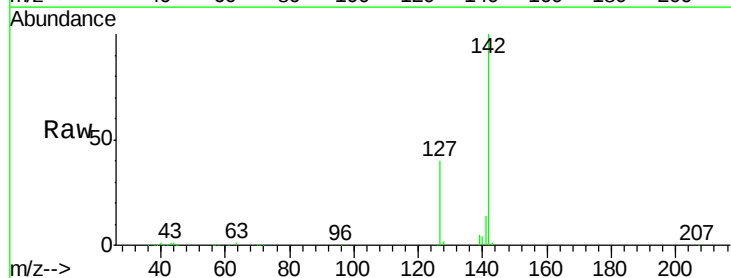
RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

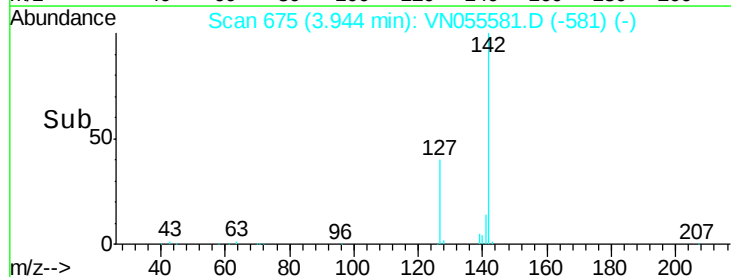
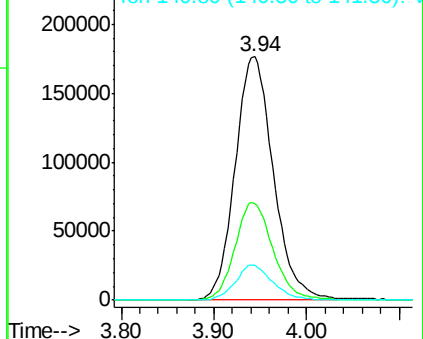
Lab File: VN055581.D

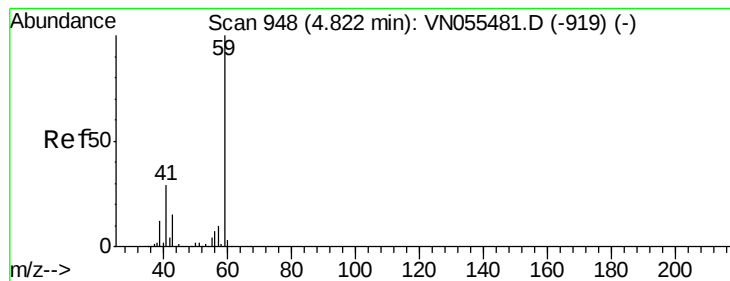
Acq: 13 May 2019 17:51

Tgt Ion:	142	Resp:	505568
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.0	49.4
141	14.0	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

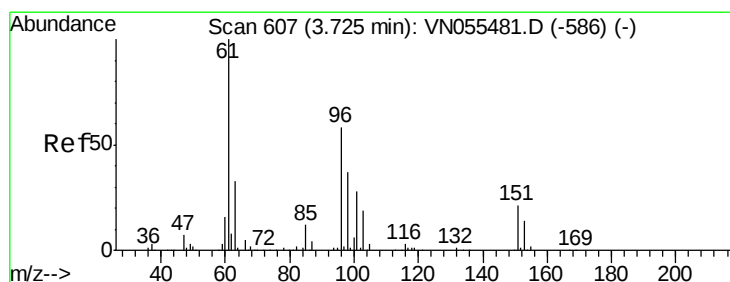
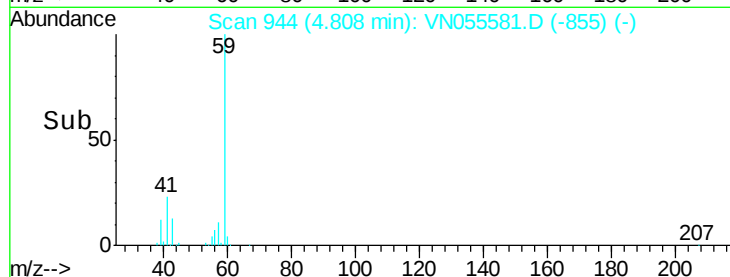
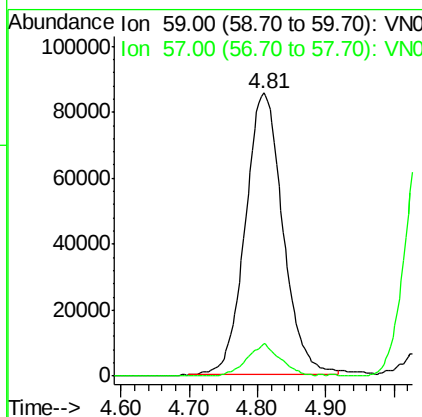
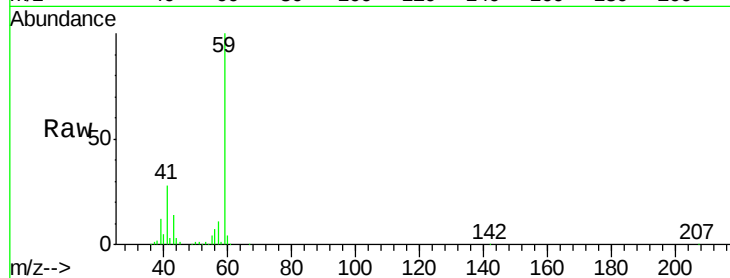
Tert butyl alcohol
Concen: 185.862 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampled :
KR-02 4-14

Tot Ion	59	57	Ratio	100	10.3	Resp	326885	Lower	8.0	Upper	12.0
Ion	59	57	Ratio	100	10.3	Resp	326885	Lower	8.0	Upper	12.0

Manual Integrations
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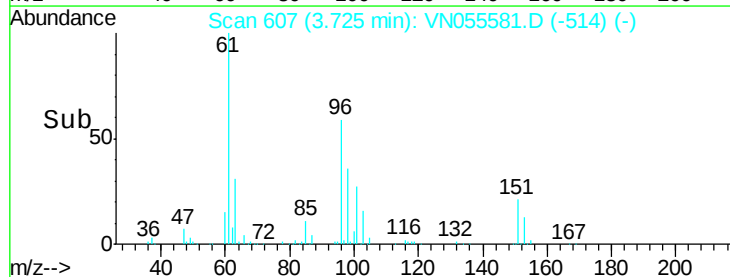
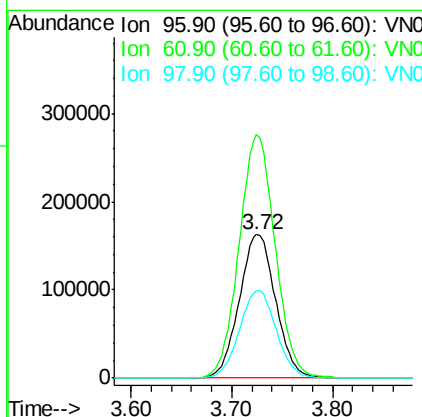
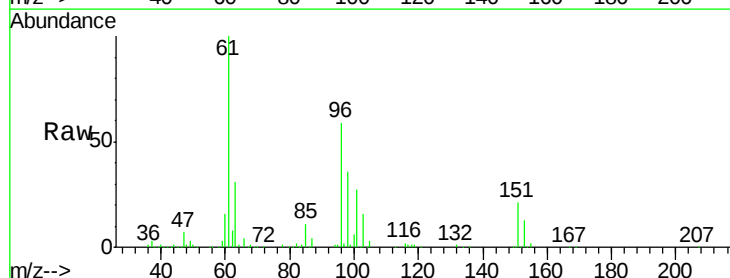
MMDadoda
5/14/2019 9:42:58 AM

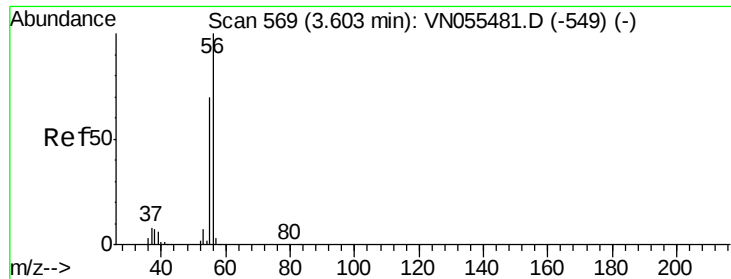


#12

1,1-Dichloroethene
Concen: 47.087 ug/l
RT: 3.72 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion	96	61	98	Ratio	100	169.7	61.0	Resp	407129	Lower	138.7	Upper	208.1	76.0
Ion	96	61	98	Ratio	100	169.7	61.0	Resp	407129	Lower	138.7	Upper	208.1	76.0





#13

Acrolein

Concen: 228.750 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02_4-14

Tot Ion: 56 Resp: 268128

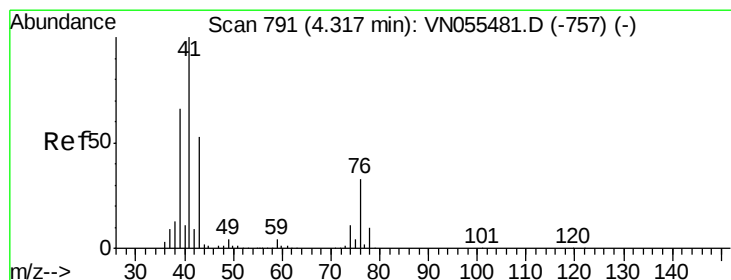
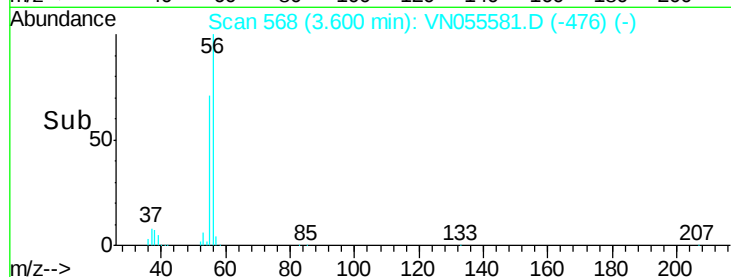
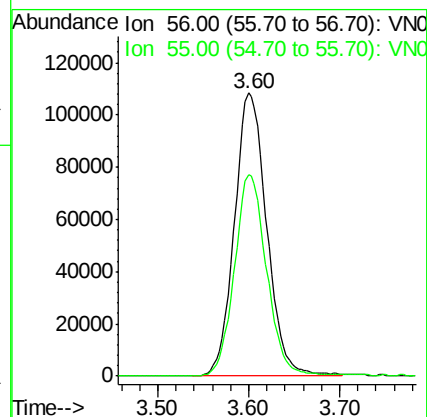
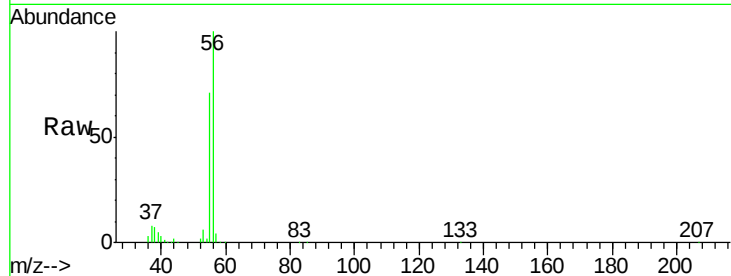
Ion Ratio Lower Upper

56 100

55 70.7 57.7 86.5

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 43.961 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

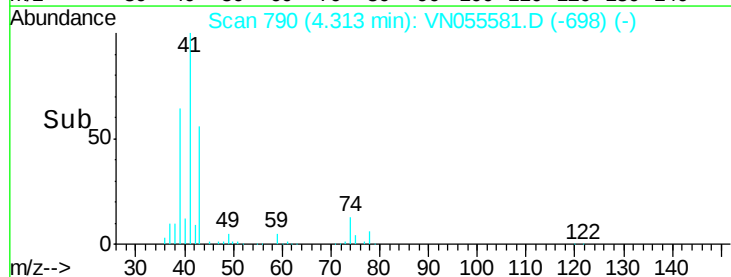
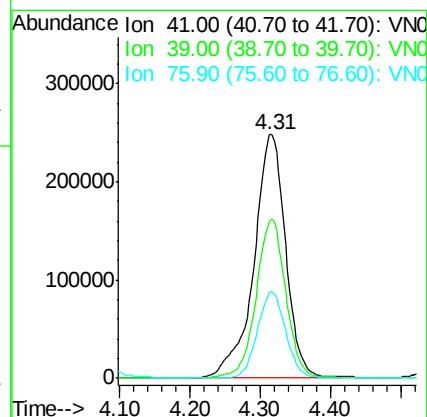
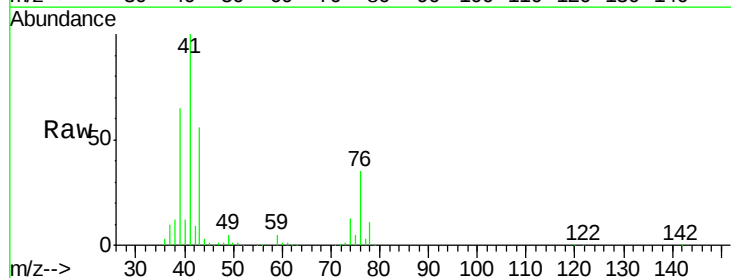
Tgt Ion: 41 Resp: 778624

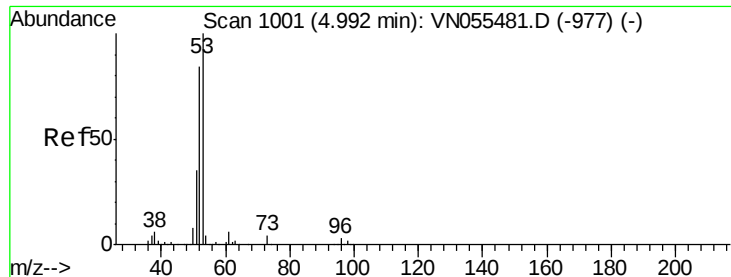
Ion Ratio Lower Upper

41 100

39 61.3 49.8 74.8

76 31.3 23.5 35.3





#15

Acrylonitrile

Concen: 213.221 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 53 Resp: 1161186

Ion Ratio Lower Upper

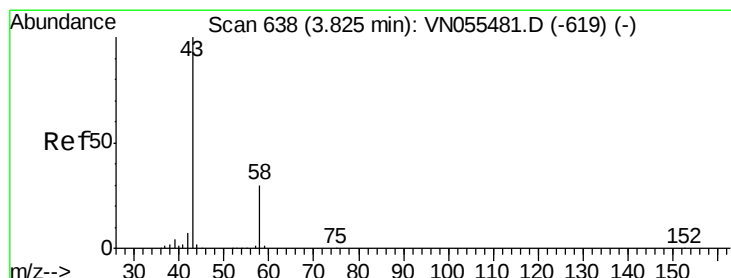
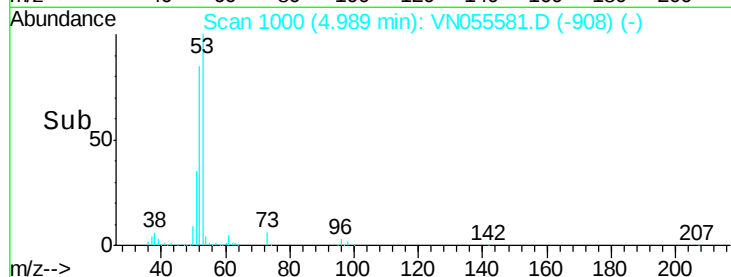
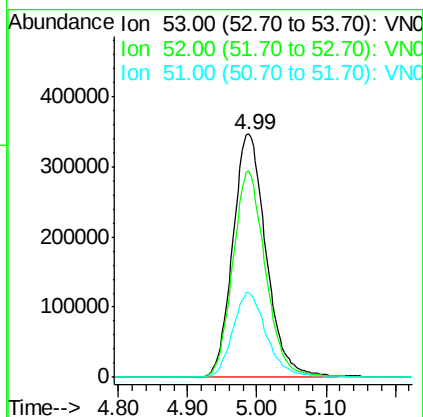
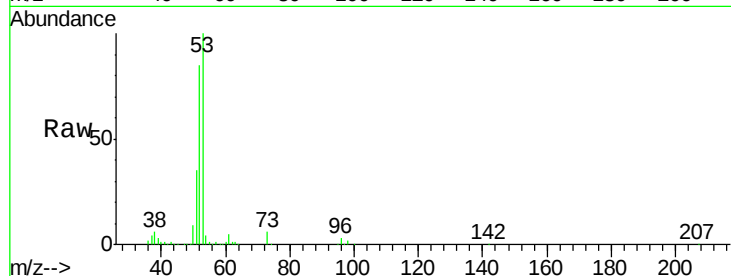
53 100

52 83.3 66.1 99.1

51 35.5 28.3 42.5

Manual Integrations
APPROVED

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5/14/2019 9:42:58 AM



#16

Acetone

Concen: 161.898 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.01 min

Lab File: VN055581.D

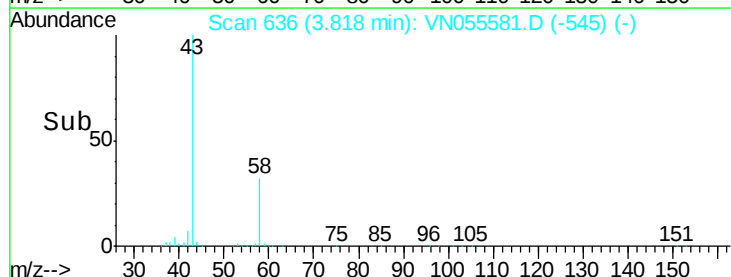
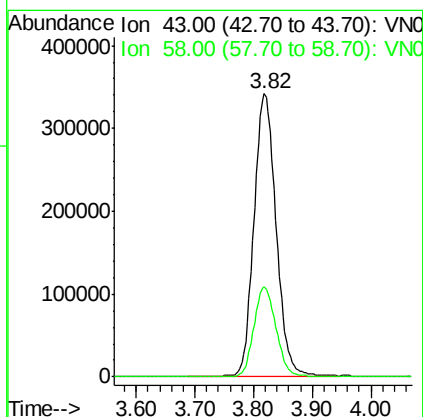
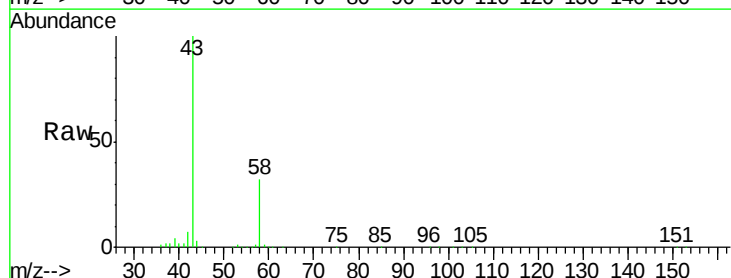
Acq: 13 May 2019 17:51

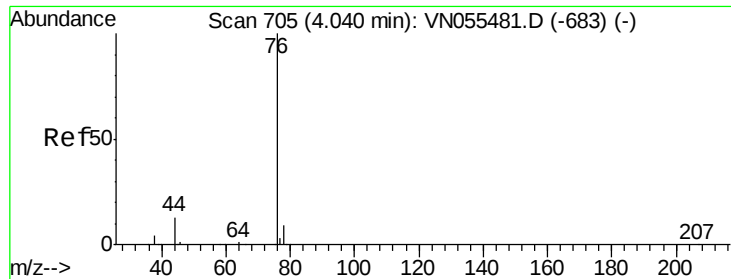
Tgt Ion: 43 Resp: 892934

Ion Ratio Lower Upper

43 100

58 31.8 24.2 36.2





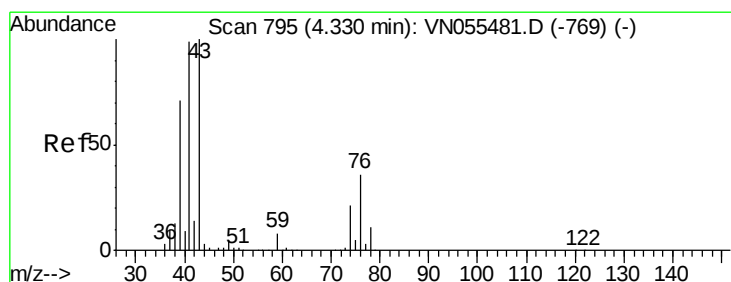
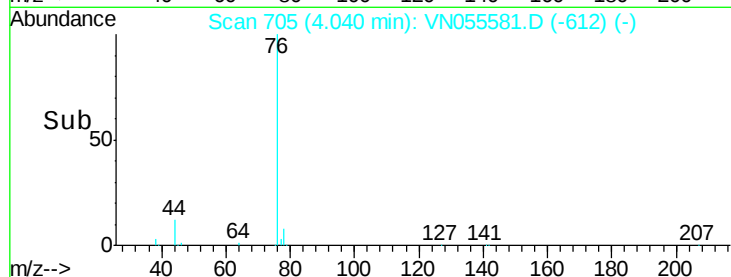
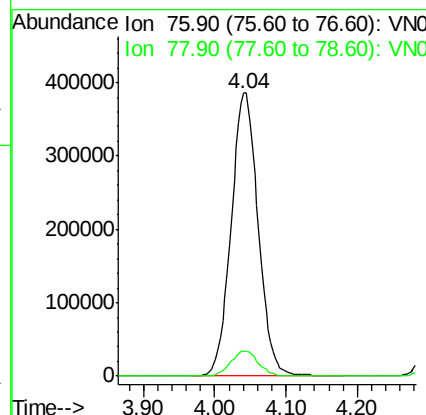
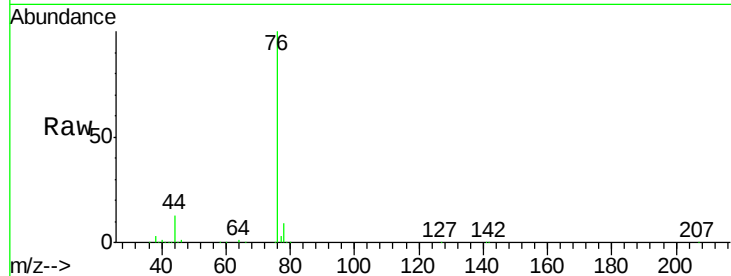
#17
Carbon Disulfide
Concen: 43.105 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion: 76 Resp: 1017231
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

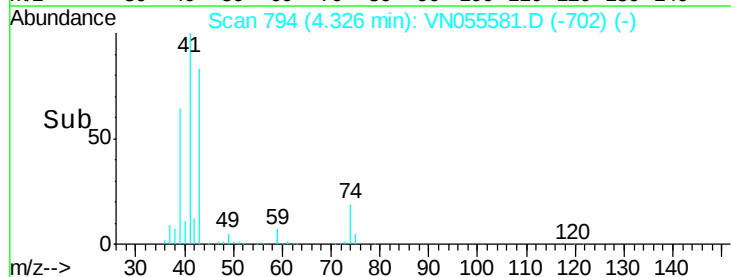
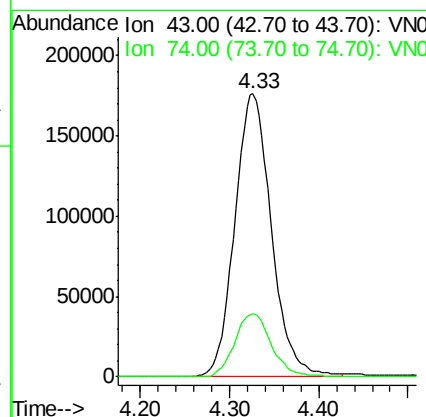
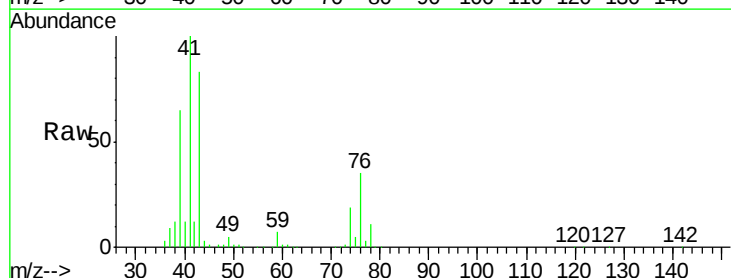
Manual Integrations
APPROVED

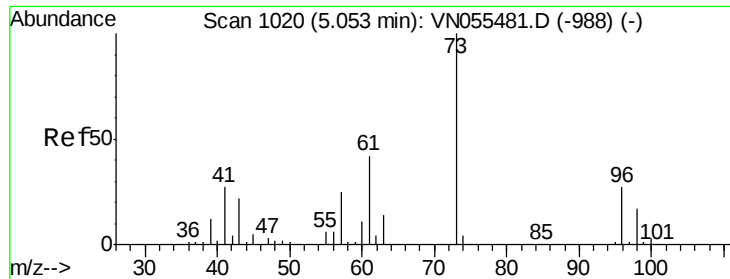
MMDadoda
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#18
Methyl Acetate
Concen: 42.909 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion: 43 Resp: 498447
Ion Ratio Lower Upper
43 100
74 22.6 16.3 24.5





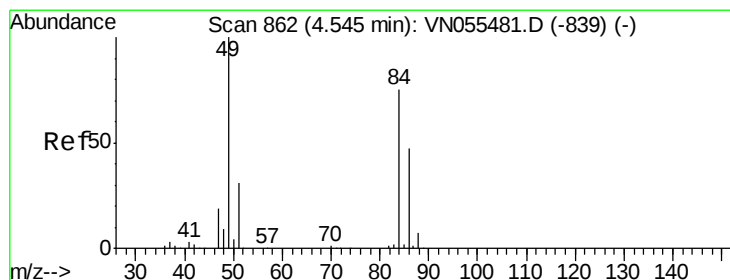
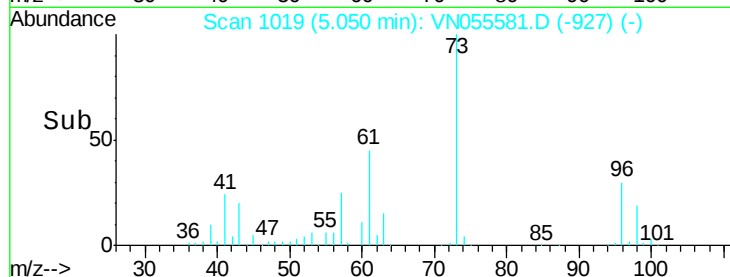
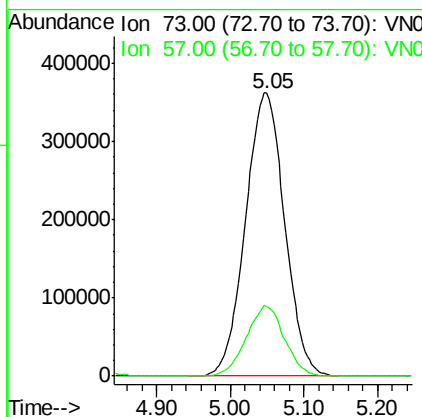
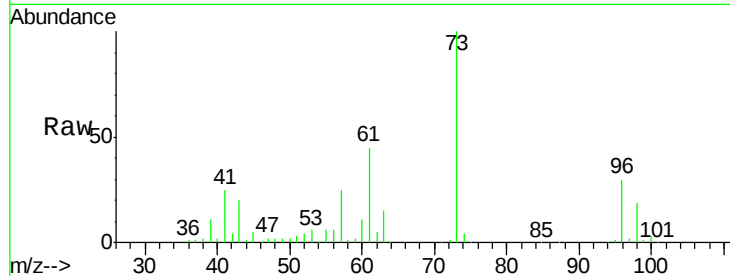
#19
Methvl tert-butvl Ether
Concen: 46.464 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
KR-02 4-14

Tot Ion: 73 Resp: 1334920
Ion Ratio Lower Upper
73 100
57 24.8 20.0 30.0

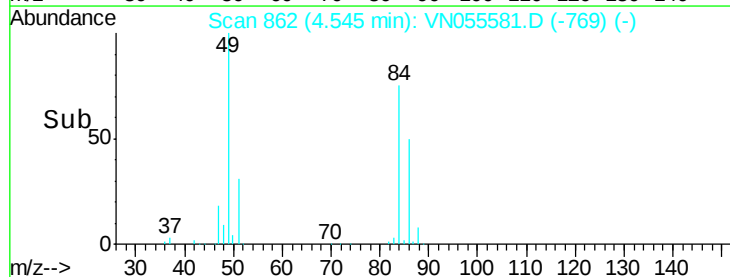
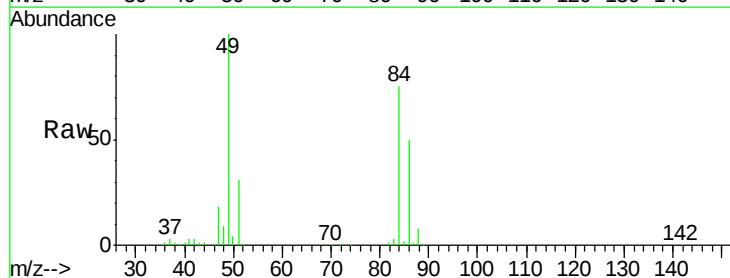
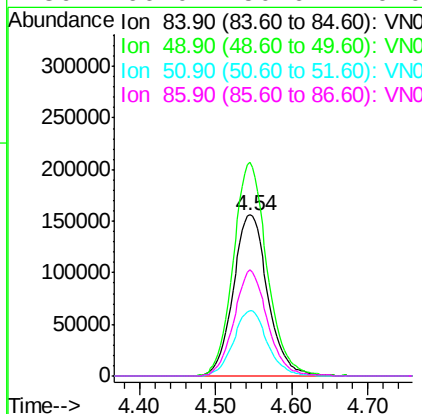
Manual Integrations
APPROVED

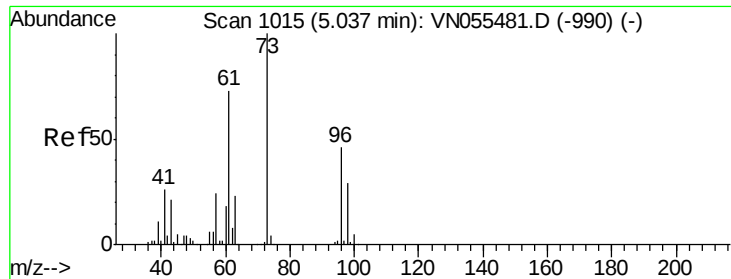
MMDadoda
5/14/2019 9:42:58 AM



#20
Methylene Chloride
Concen: 43.658 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion: 84 Resp: 492375
Ion Ratio Lower Upper
84 100
49 132.5 107.0 160.6
51 40.5 33.0 49.4
86 66.0 50.6 76.0





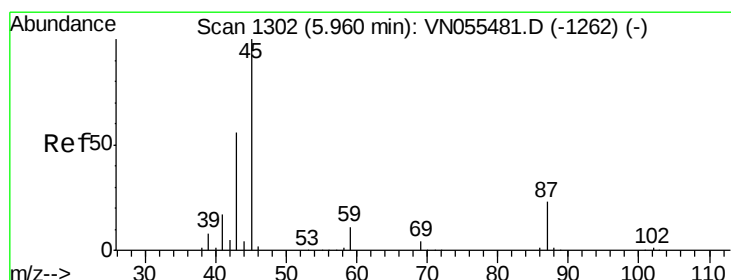
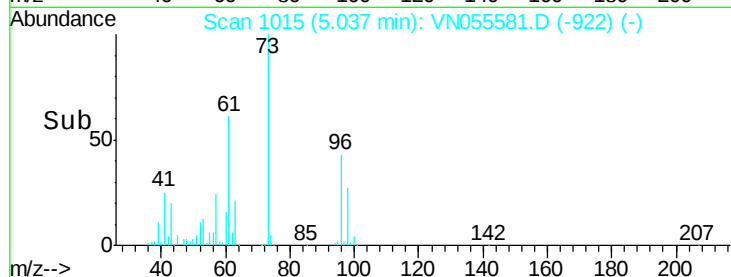
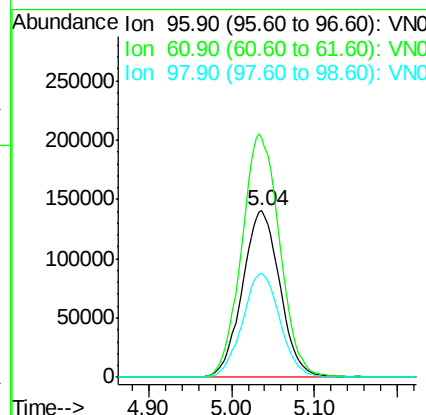
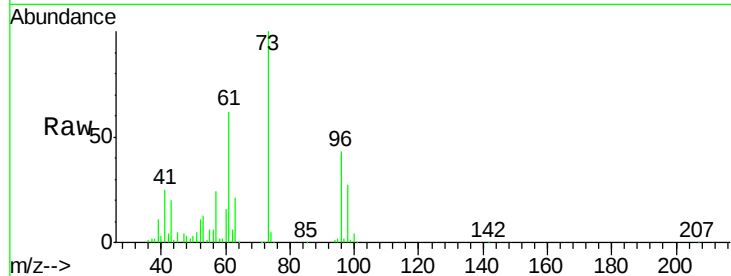
#21
trans-1,2-Dichloroethene
Concen: 47.137 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampled :
KR-02 4-14

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	127.4	191.0
98	62.3	51.6	77.4

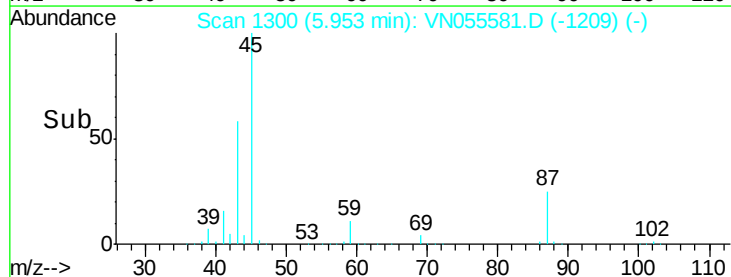
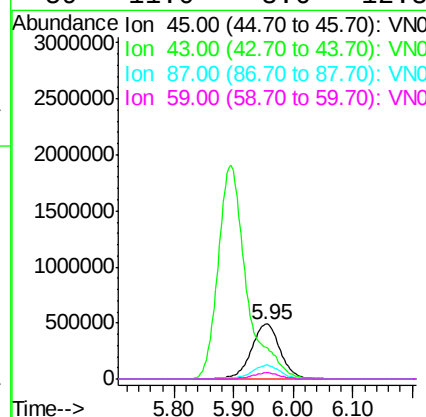
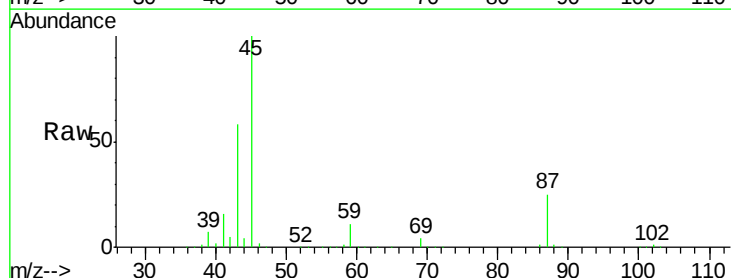
Manual Integrations
APPROVED

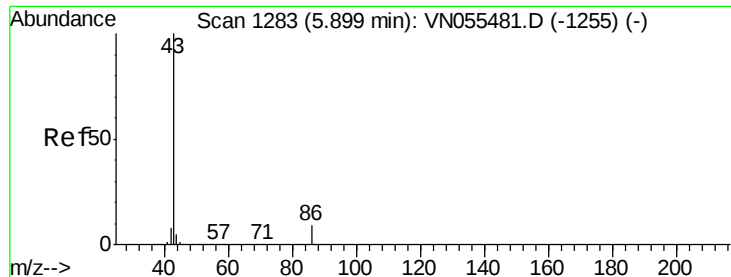
MMDadoda
5/14/2019 9:42:58 AM



#22
Diisopropyl ether
Concen: 46.491 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	44.6	66.8
87	24.8	18.6	28.0
59	11.0	8.6	12.8





#23

Vinyl Acetate

Concen: 227.080 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 43 Resp: 6320784

Ion Ratio Lower Upper

43 100

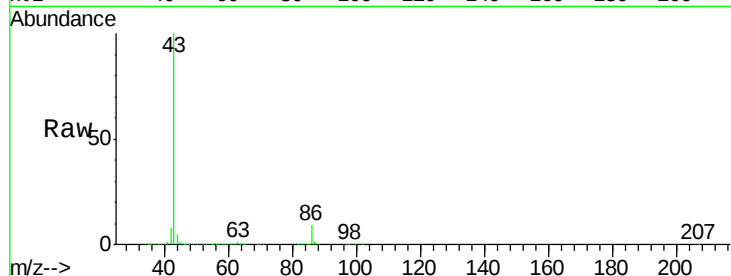
86 9.0 7.1 10.7

Manual Integrations

APPROVED

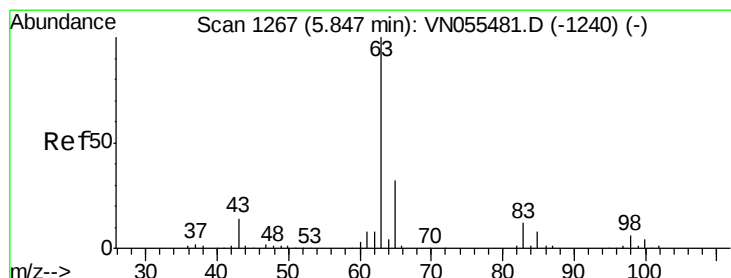
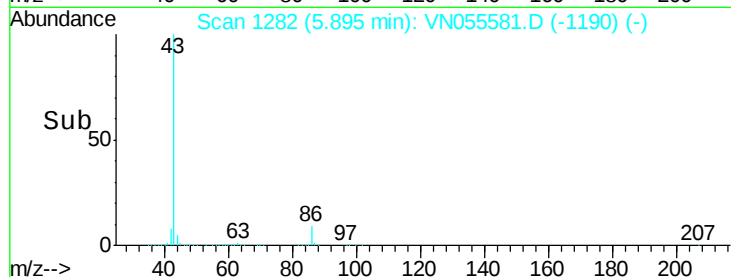
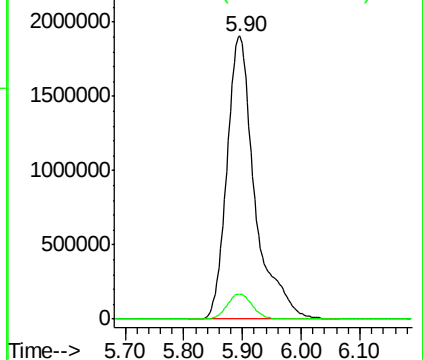
MMDadoda

5/14/2019 9:42:58 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: 45.759 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

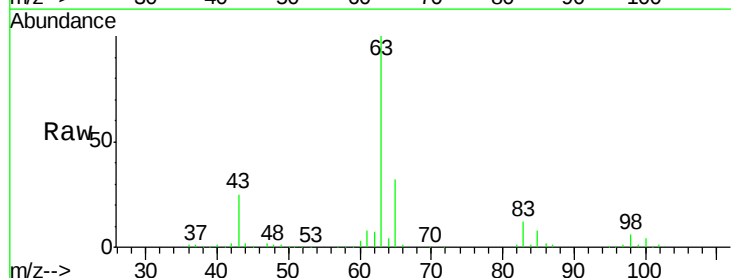
Tgt Ion: 63 Resp: 889064

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

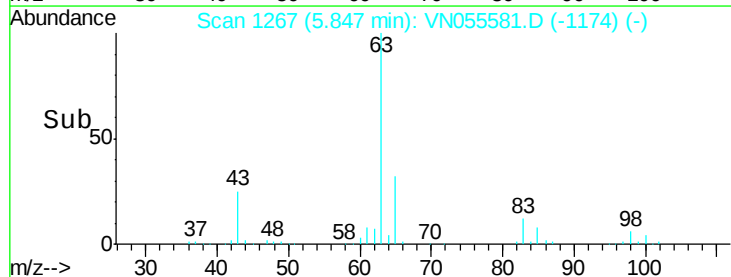
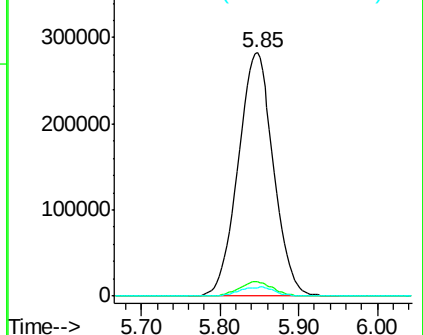
100 3.6 1.9 5.7



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





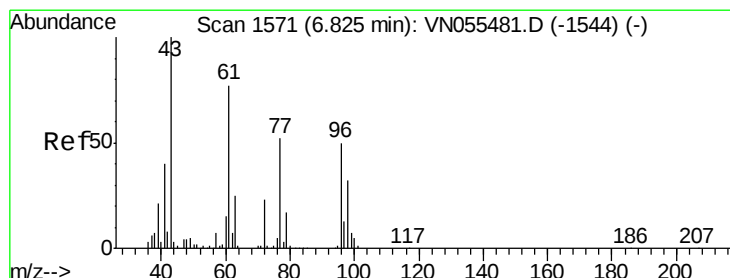
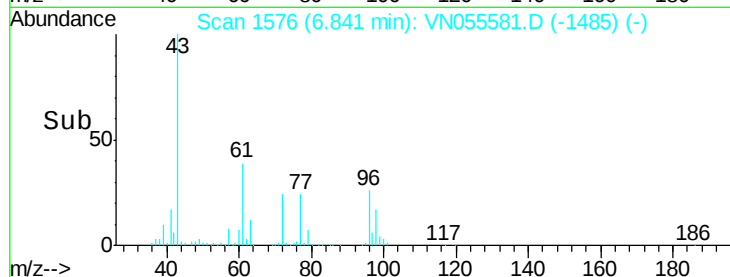
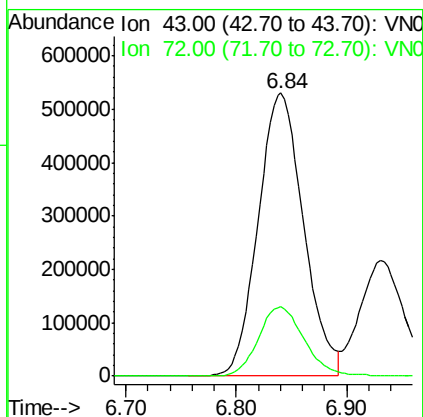
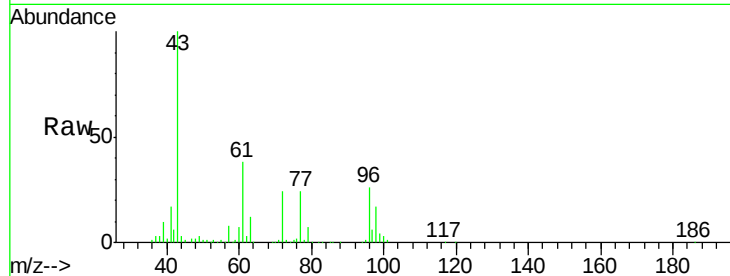
#25
2-Butanone
Concen: 197.938 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion: 43 Resp: 1508063
Ion Ratio Lower Upper
43 100
72 24.5 18.6 27.8

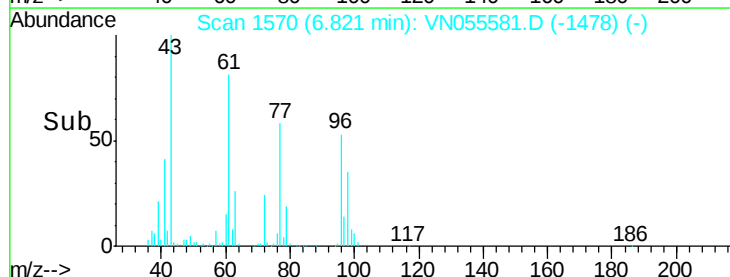
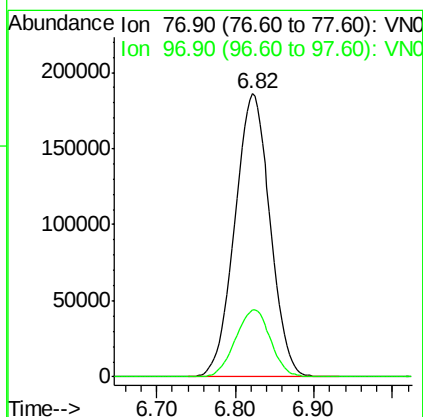
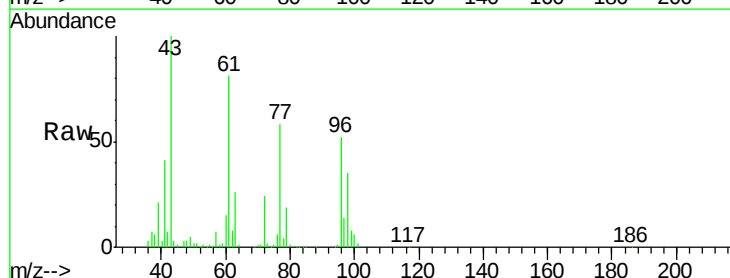
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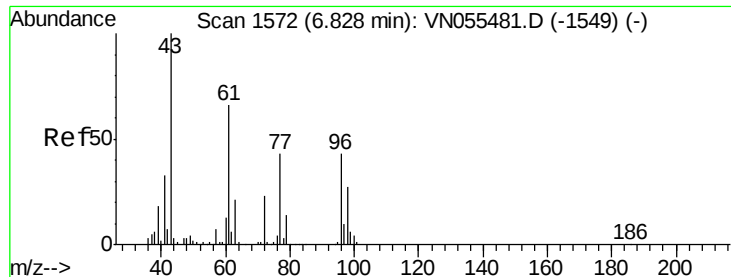
MMDadoda
5/14/2019 9:42:58 AM



#26
2,2-Dichloropropane
Concen: 48.165 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion: 77 Resp: 583375
Ion Ratio Lower Upper
77 100
97 23.8 11.5 34.5





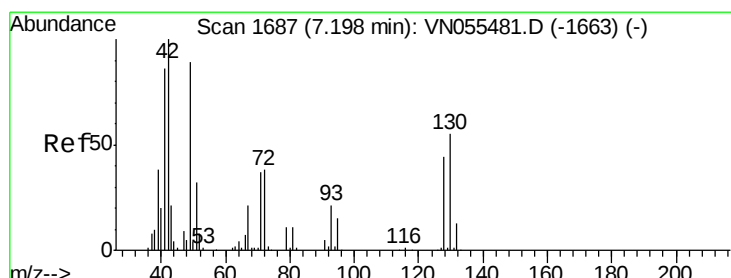
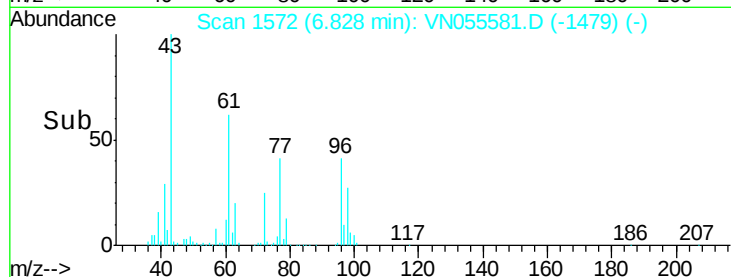
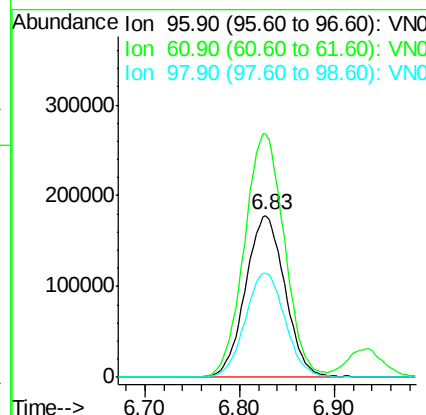
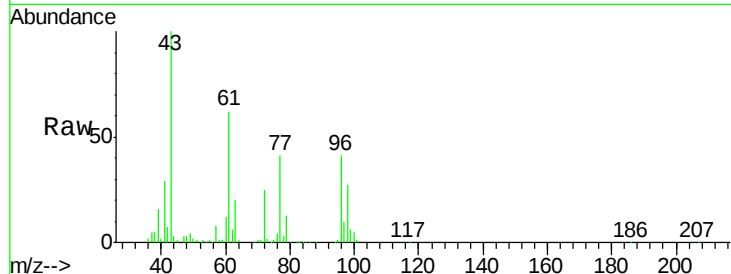
#27
 cis-1,2-Dichloroethene
 Concen: 47.620 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.8	0.0	310.8	
98	65.1	0.0	129.4	

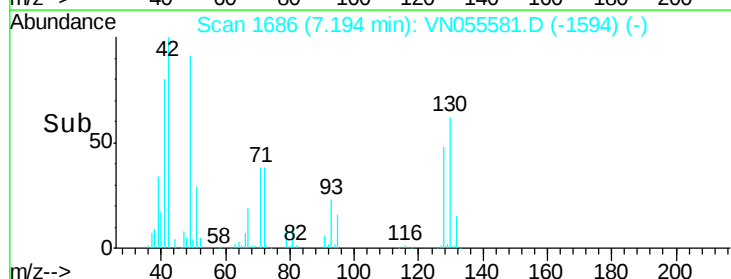
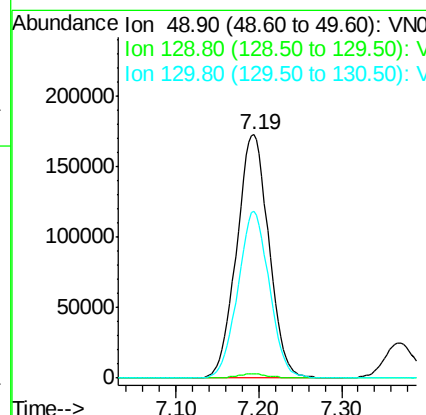
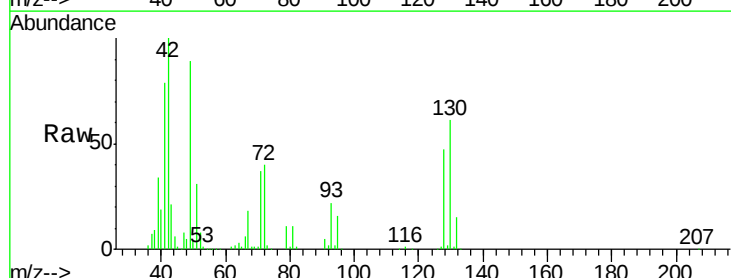
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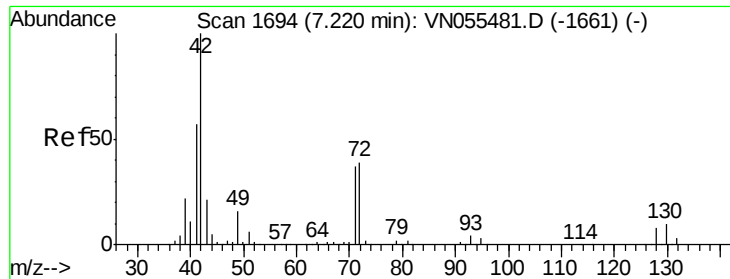
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#28
 Bromochloromethane
 Concen: 46.270 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.2	
130	66.9	49.5	74.3	





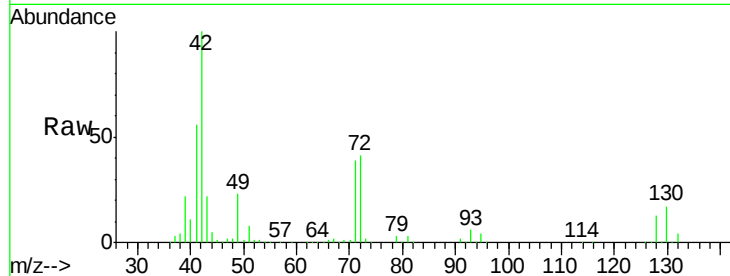
#29
Tetrahydrofuran
Concen: 203.121 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
KR-02 4-14

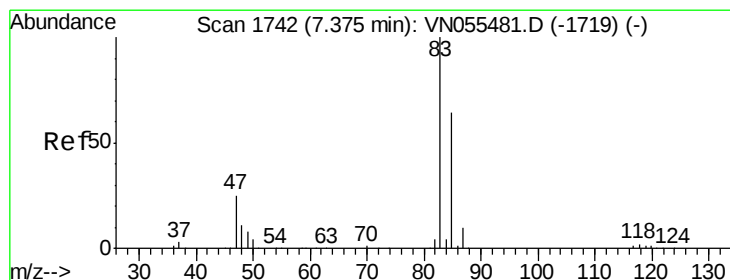
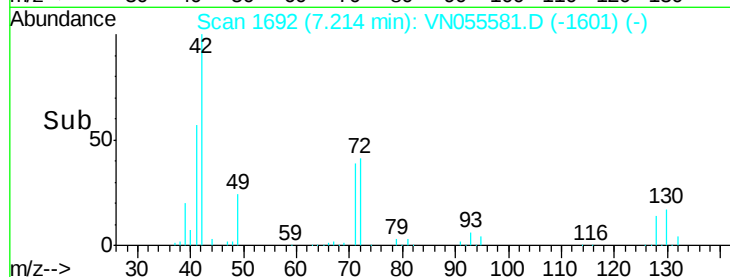
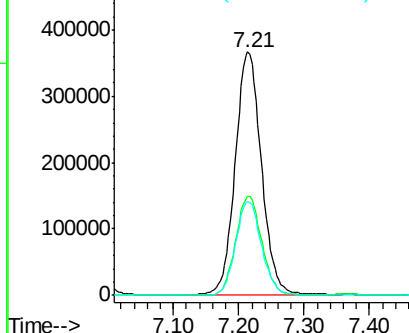
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	31.0	46.6
71	38.0	29.4	44.2

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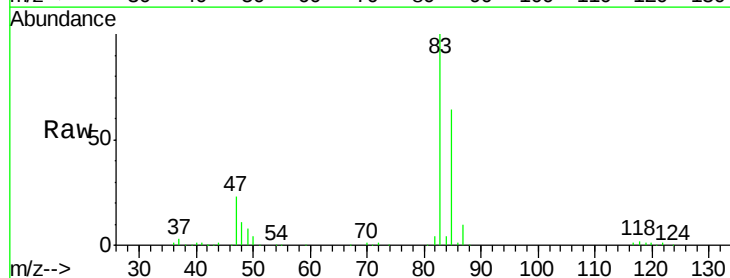


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

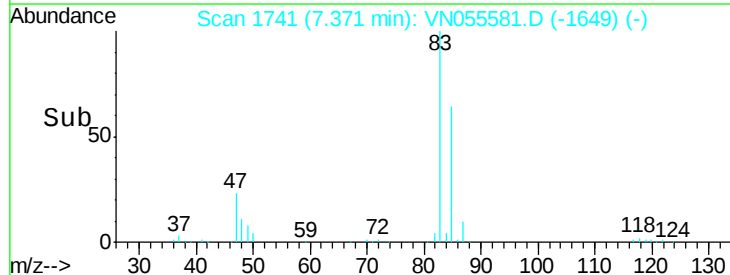
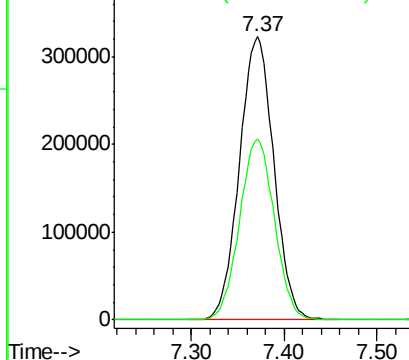


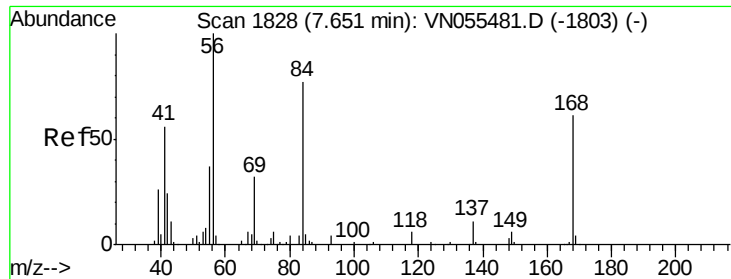
#30
Chloroform
Concen: 46.324 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.3	76.9



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





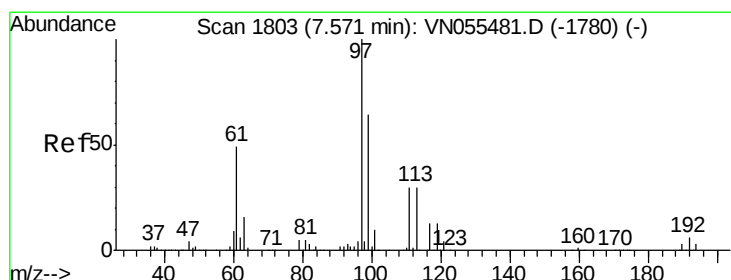
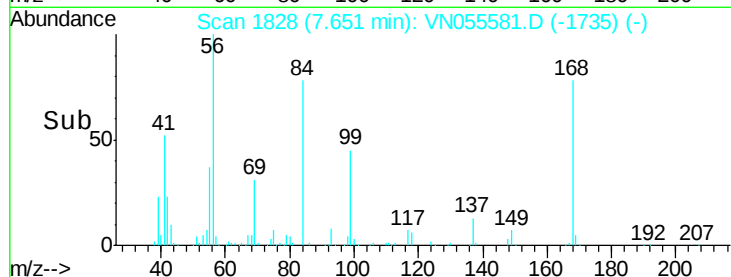
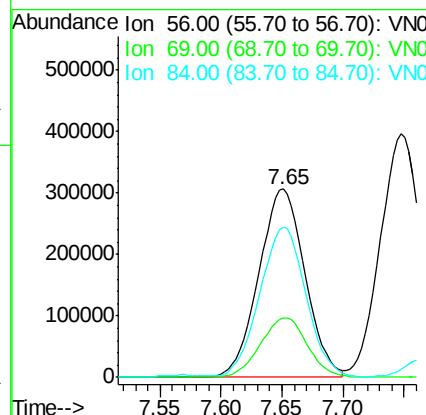
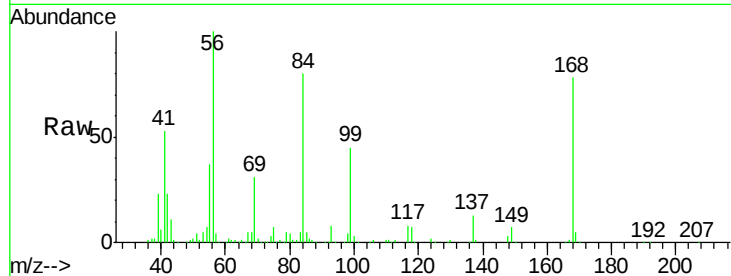
#31
Cyclohexane
Concen: 41.857 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampled :
KR-02 4-14

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	26.0	39.0
84	79.0	61.9	92.9

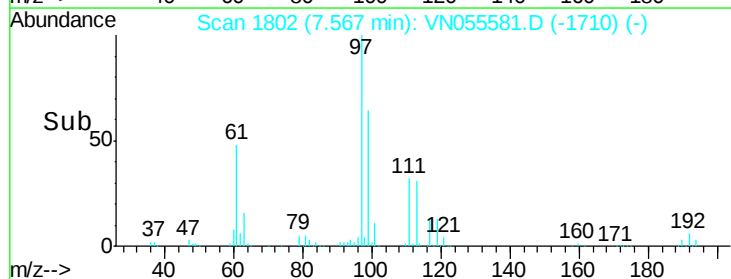
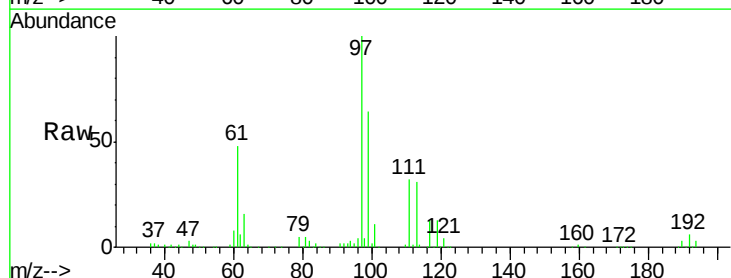
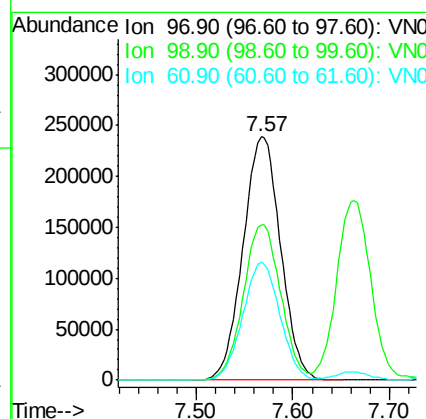
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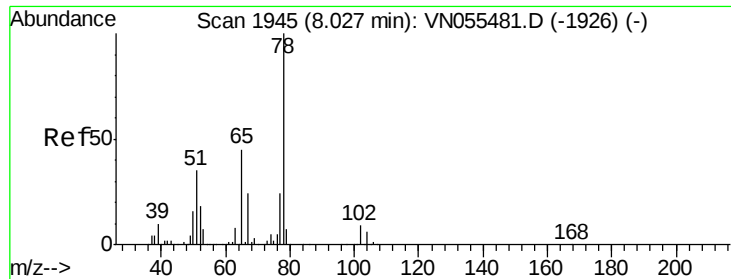
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#32
1,1,1-Trichloroethane
Concen: 47.149 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	47.9	39.2	58.8





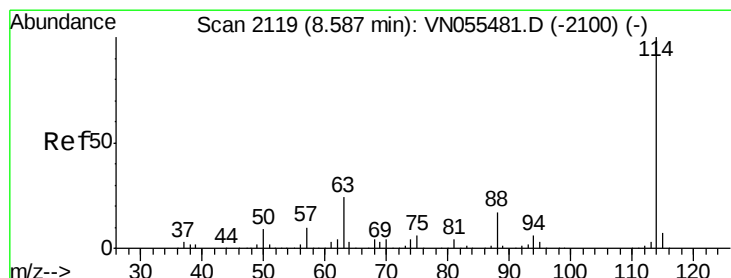
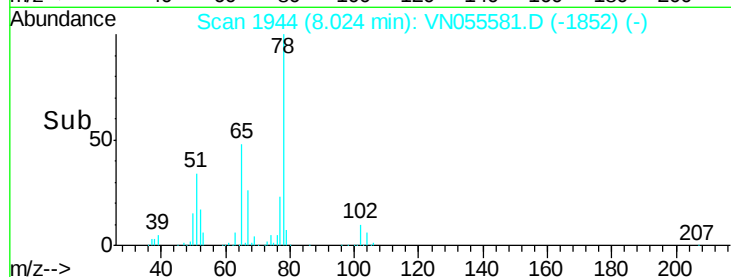
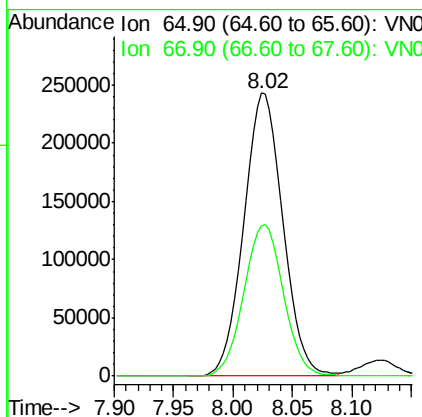
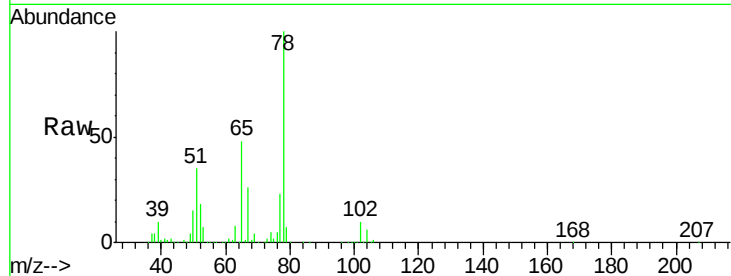
#33
 1,2-Dichloroethane-d4
 Concen: 46.448 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion: 65 Resp: 553267
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.6

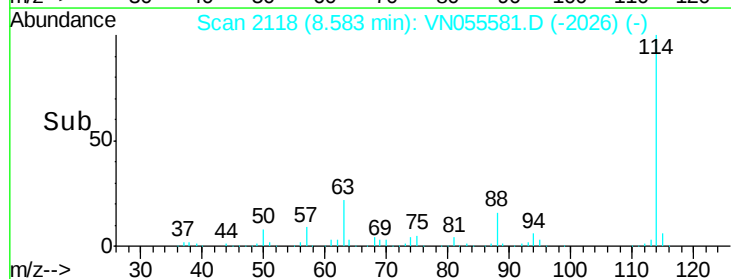
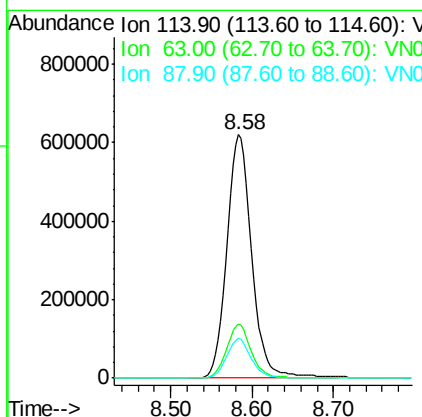
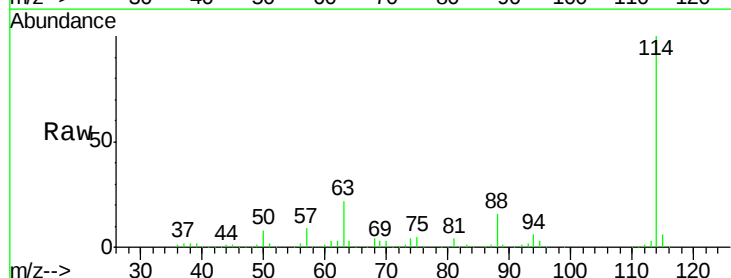
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Tgt Ion: 114 Resp: 1334869
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.4
 88 16.3 0.0 34.0





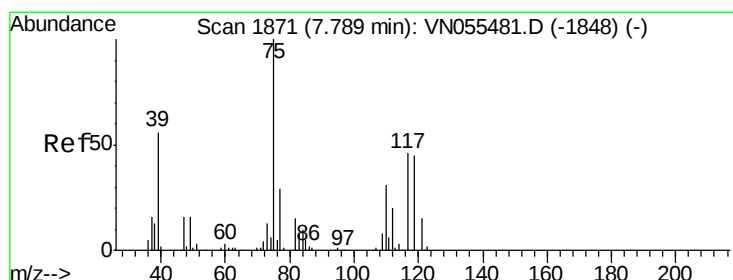
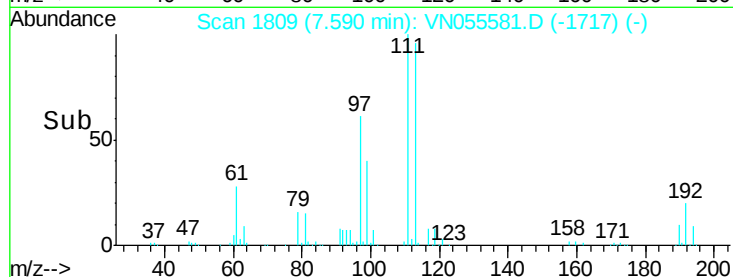
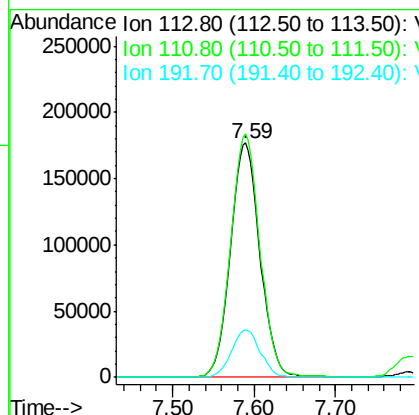
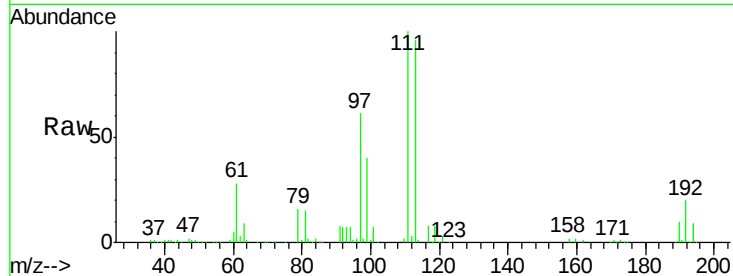
#35
 Dibromofluoromethane
 Concen: 51.920 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Resp	Lower	Upper
113	100	447082		
111	103.6	82.9	124.3	
192	19.9	15.6	23.4	

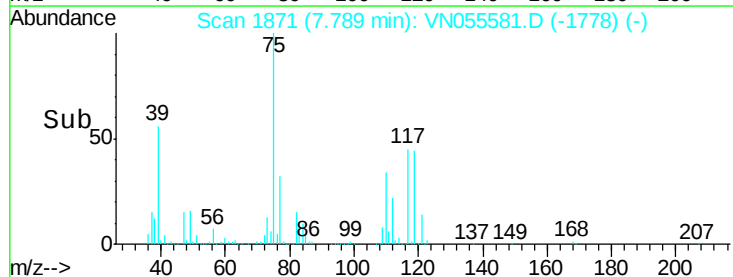
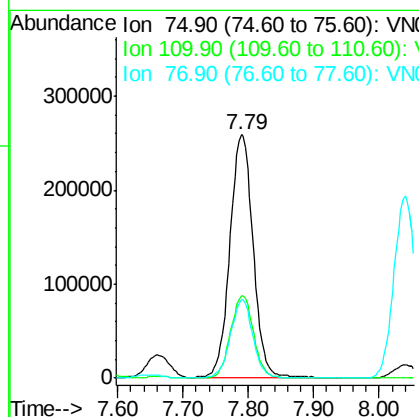
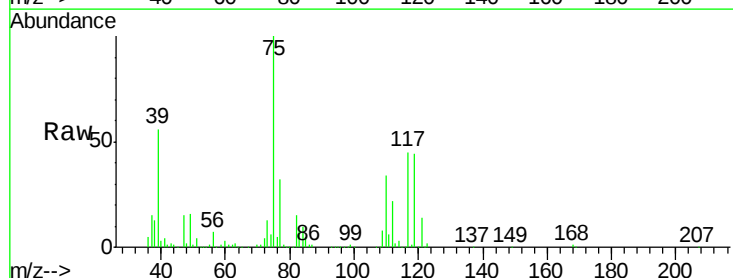
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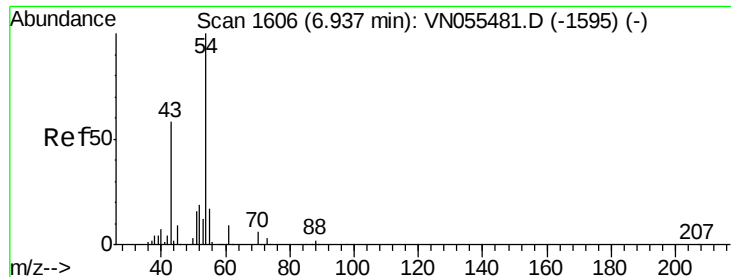
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#36
 1,1-Dichloropropene
 Concen: 48.507 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	637905		
110	33.6	16.1	48.3	
77	31.2	24.6	37.0	





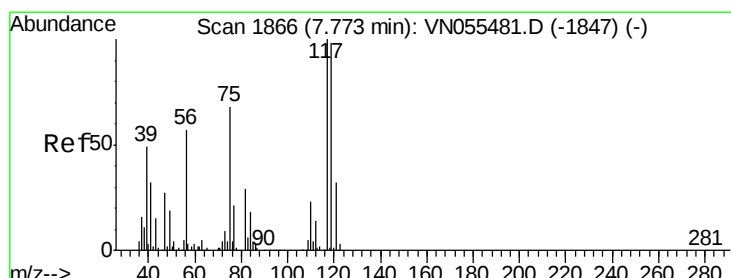
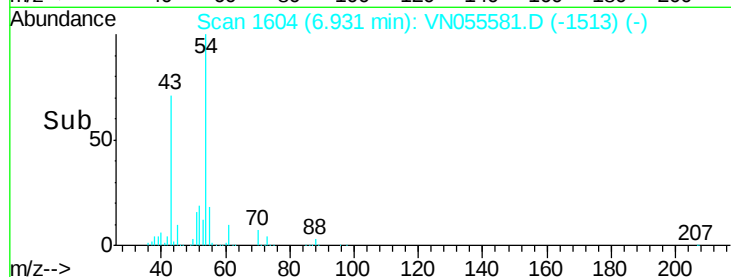
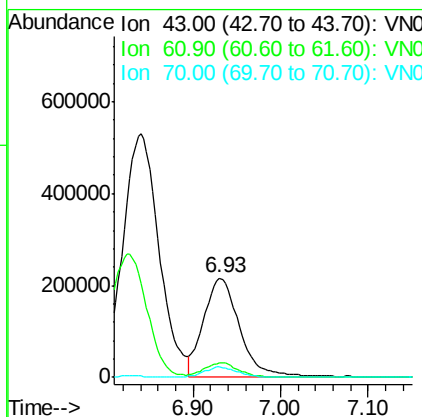
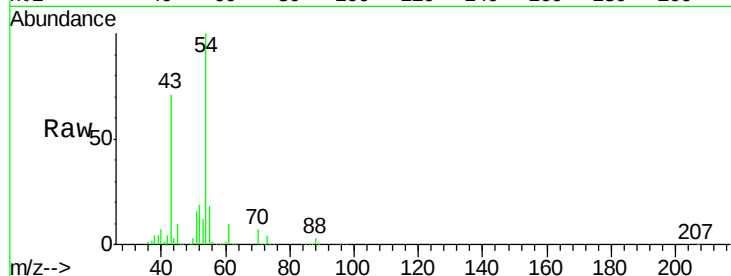
#37
Ethyl Acetate
Concen: 42.570 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	9.9	7.0	10.6

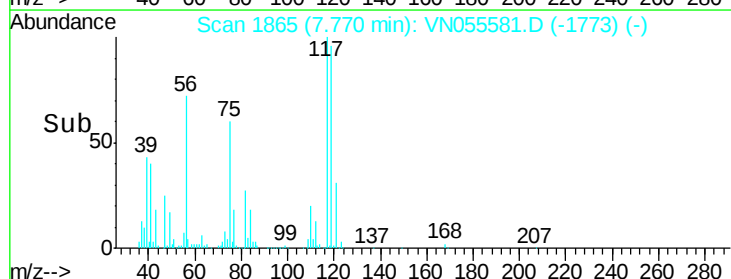
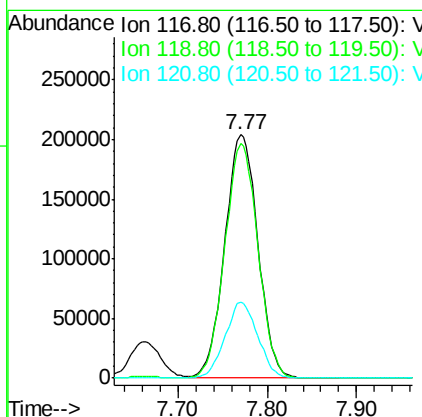
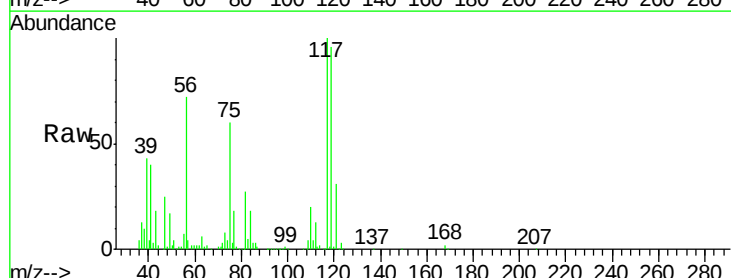
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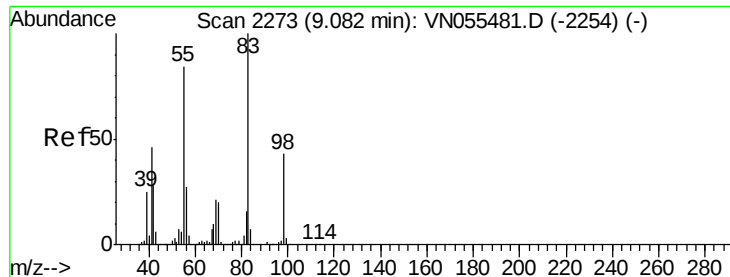
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#38
Carbon Tetrachloride
Concen: 47.479 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.8	116.6
121	31.1	25.2	37.8





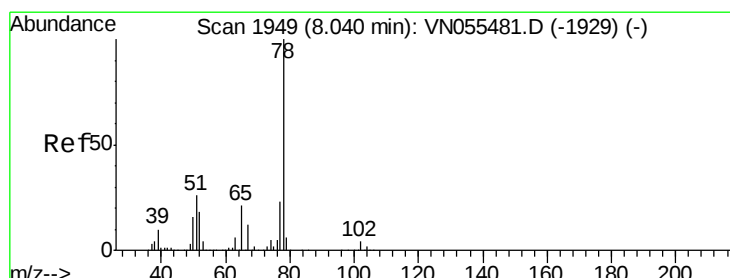
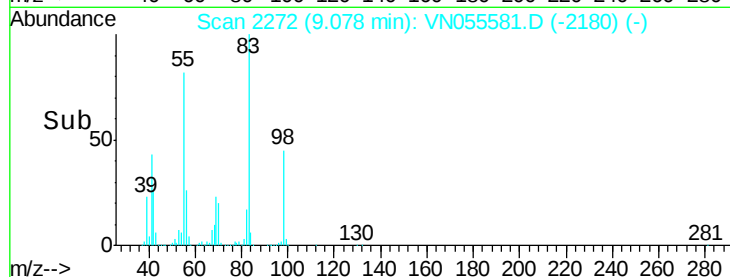
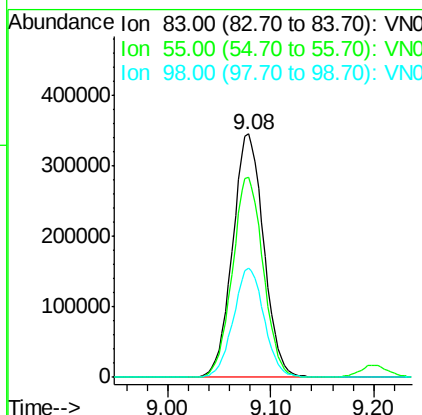
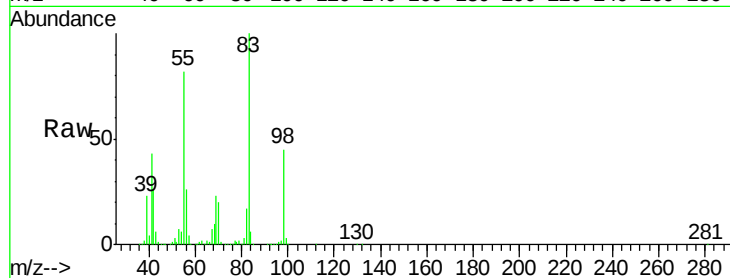
#39
Methvlcvclohexane
Concen: 45.218 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	67.0	100.4
98	45.1	34.2	51.4

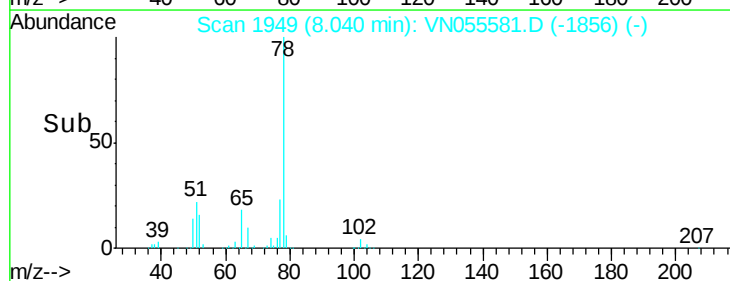
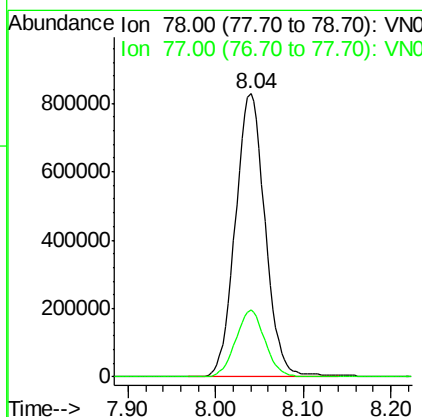
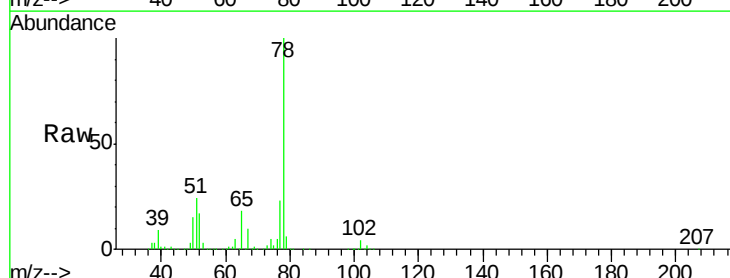
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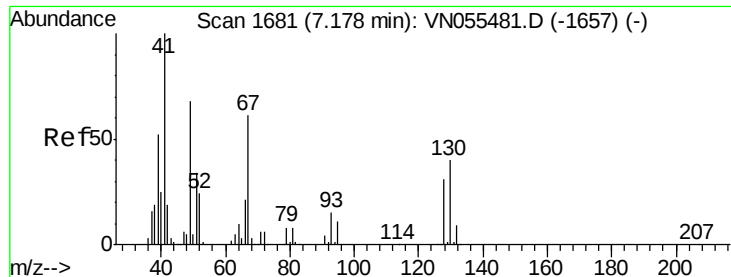
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#40
Benzene
Concen: 47.988 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	27.8





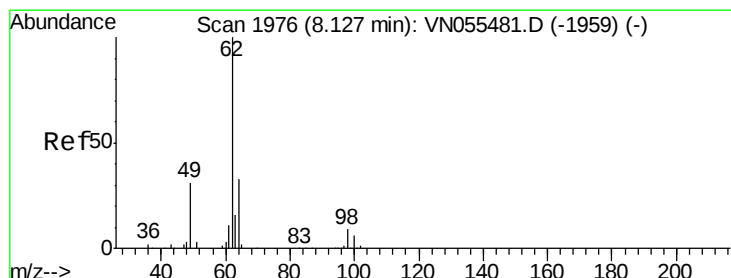
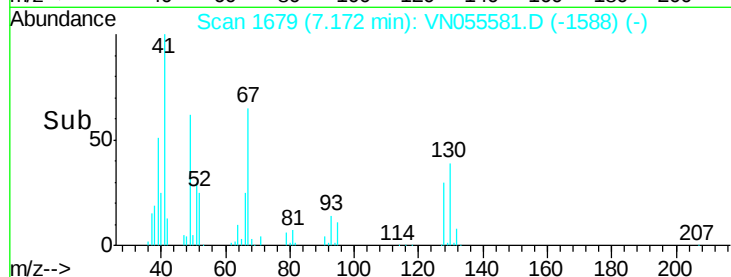
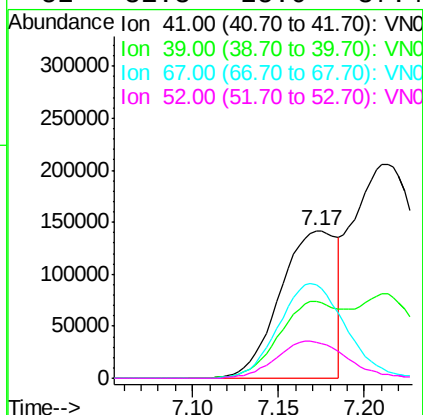
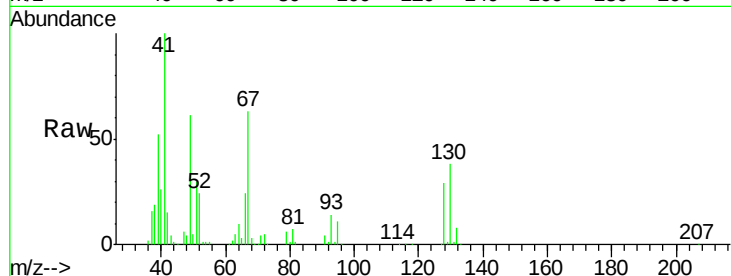
#41
Methacrylonitrile
Concen: 48.675 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		324086		
39	59.5	44.7	67.1		
67	77.0	61.4	92.0		
52	31.3	25.0	37.4		

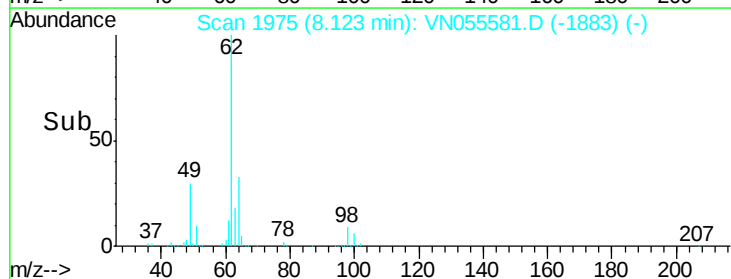
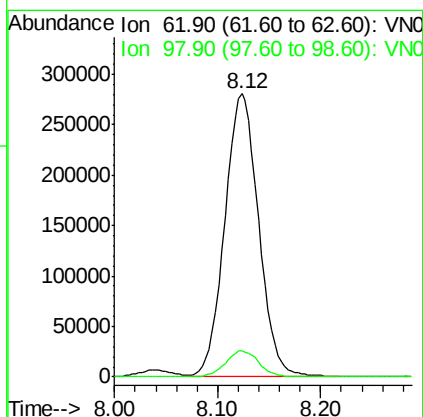
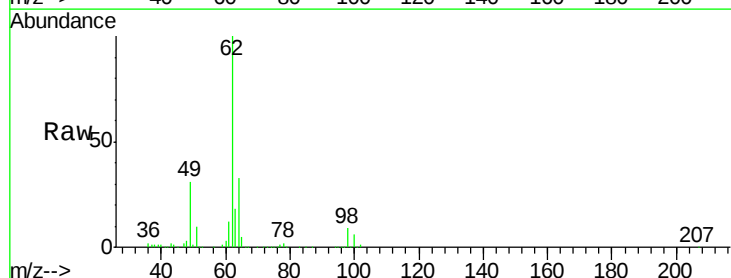
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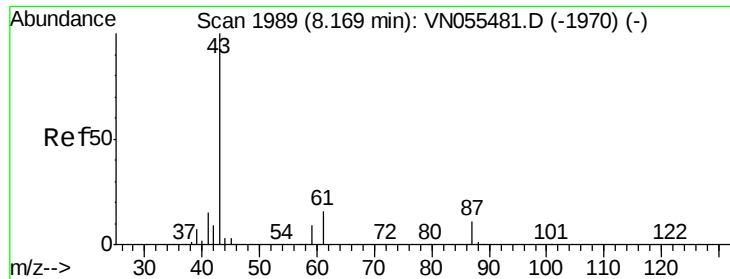
MMDadoda
5/14/2019 9:42:58 AM



#42
1,2-Dichloroethane
Concen: 44.626 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		639899		
98	9.2	0.0	17.4		





#43

Isopropyl Acetate

Concen: 45.523 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

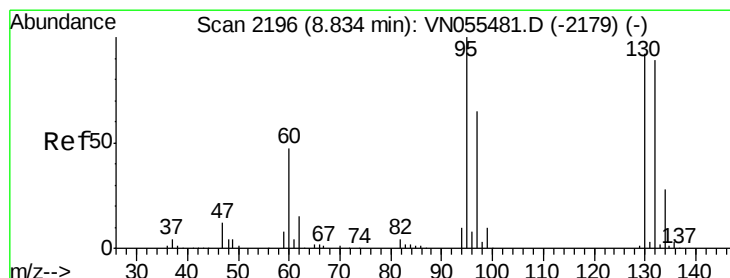
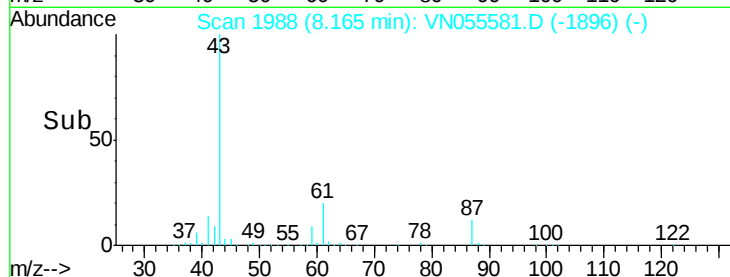
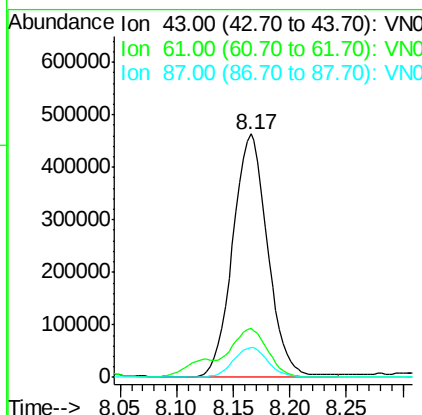
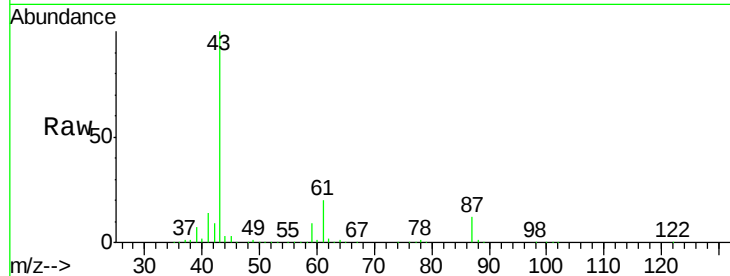
ClientSampleId :

KR-02_4-14

Tot Ion:	43	Resp:	992134
Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.1	22.7
87	12.3	9.0	13.6

Manual Integrations
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5/14/2019 9:42:58 AM



#44

Trichloroethene

Concen: 49.543 ug/l

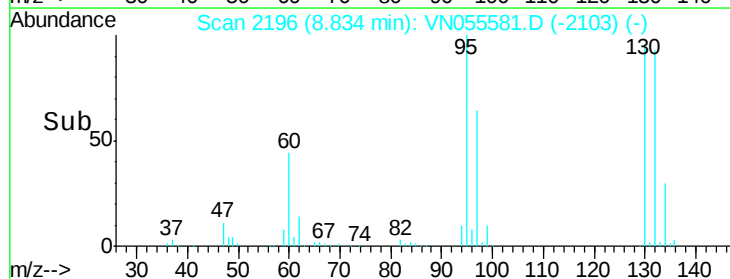
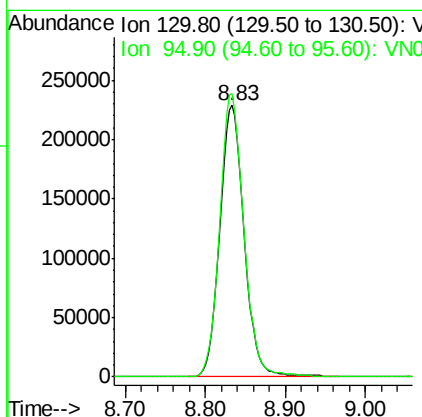
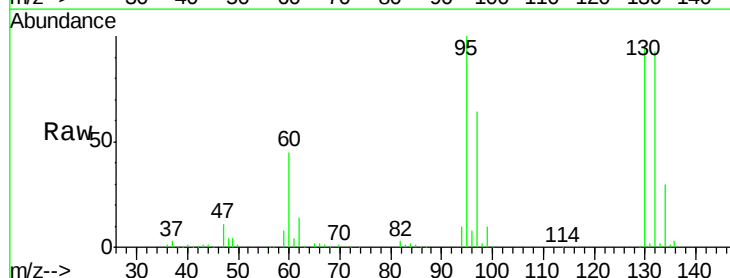
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Tgt Ion:	130	Resp:	481128
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	216.8





#45

1,2-Dichloropropane

Concen: 46.955 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 63 Resp: 548343

Ion Ratio Lower Upper

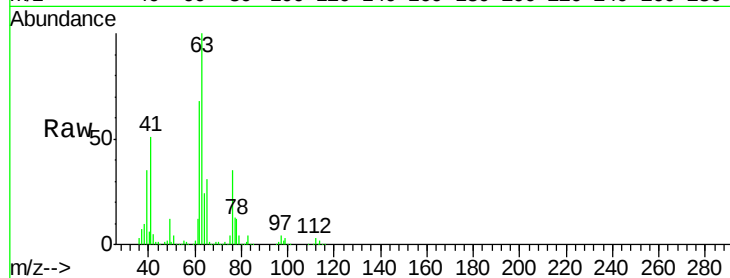
63 100

65 31.1 24.1 36.1

Manual Integrations
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5/14/2019 9:42:58 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.12

250000

200000

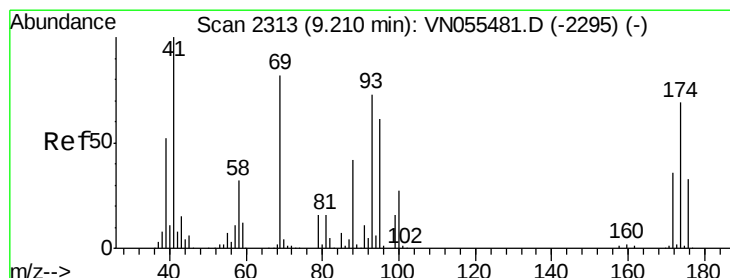
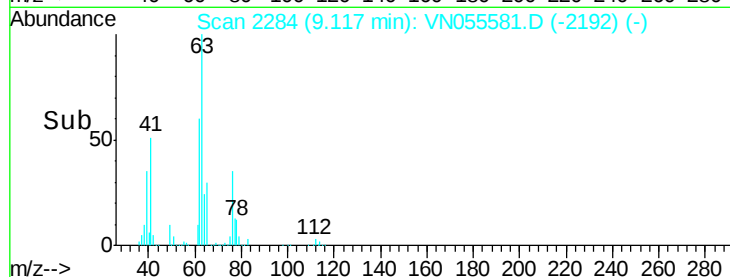
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 46.748 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

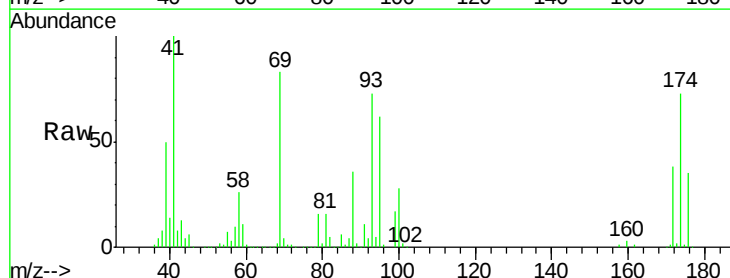
Tgt Ion: 93 Resp: 316436

Ion Ratio Lower Upper

93 100

95 84.2 64.8 97.2

174 98.3 75.0 112.6



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.21

200000

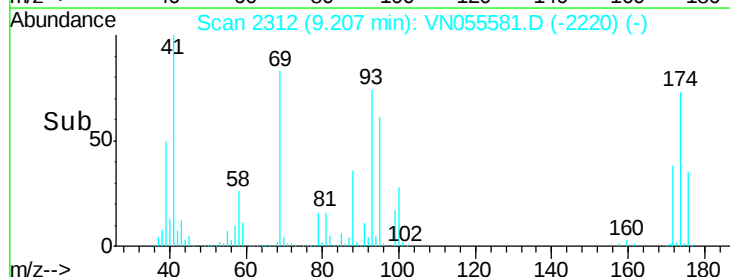
150000

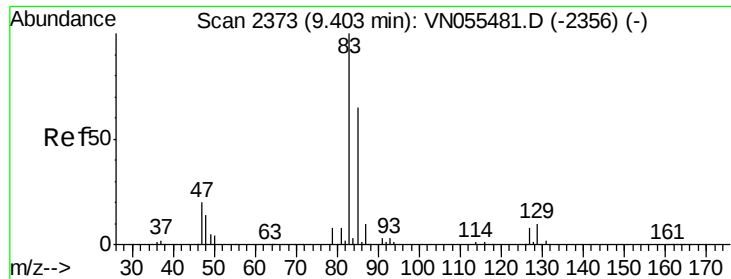
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.528 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

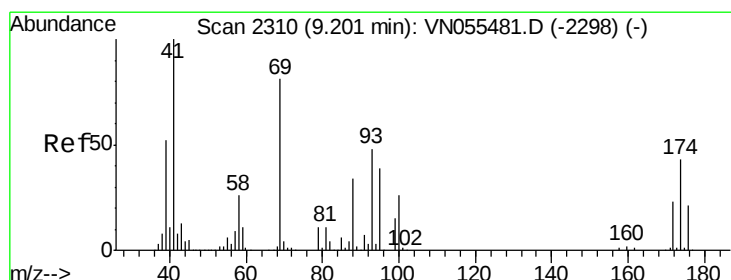
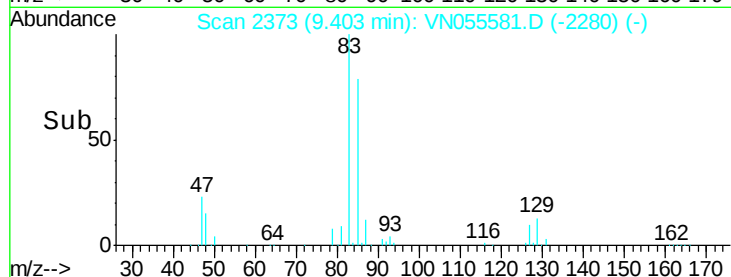
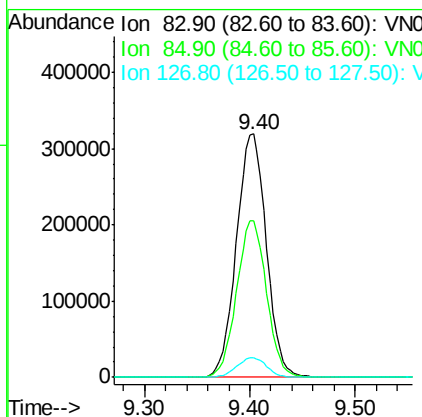
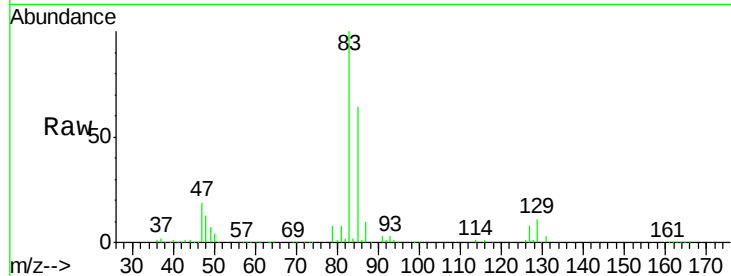
ClientSampleId :

KR-02 4-14

Tot Ion:	83	Resp:	628415
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.2	78.2
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.742 ug/l

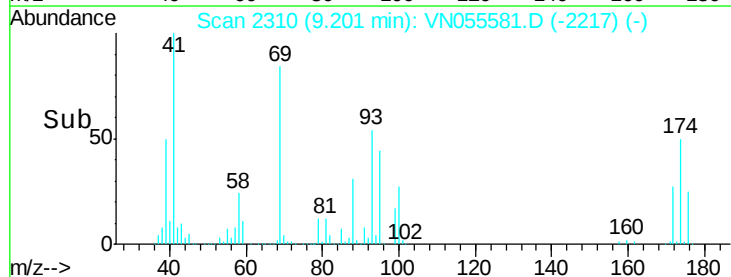
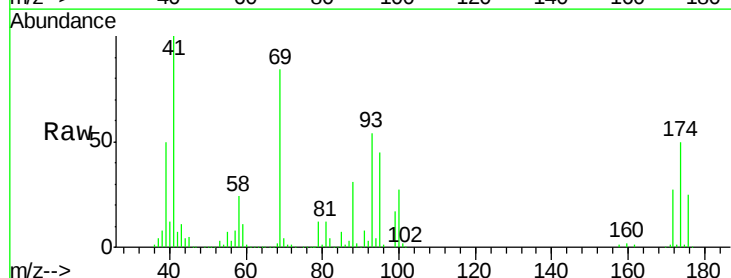
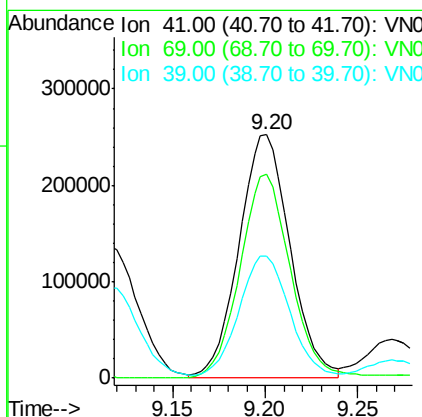
RT: 9.20 min Scan# 2310

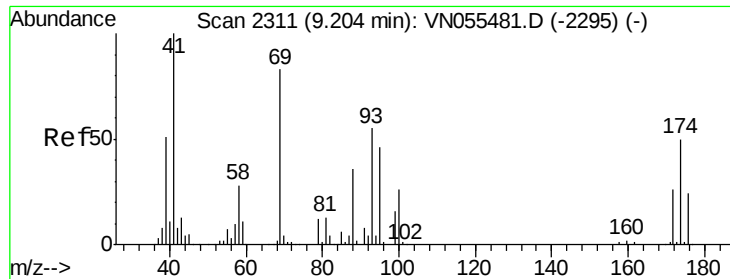
Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Tgt Ion:	41	Resp:	480312
Ion Ratio	Lower	Upper	
41	100		
69	84.3	64.2	96.2
39	50.4	41.6	62.4





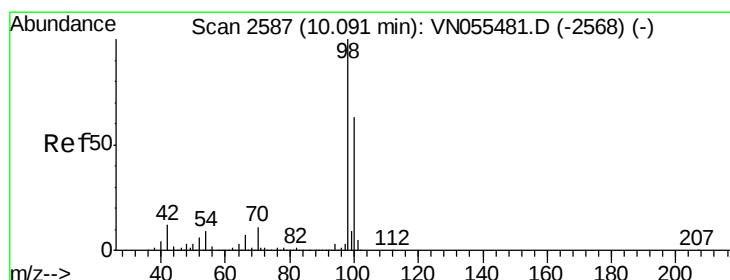
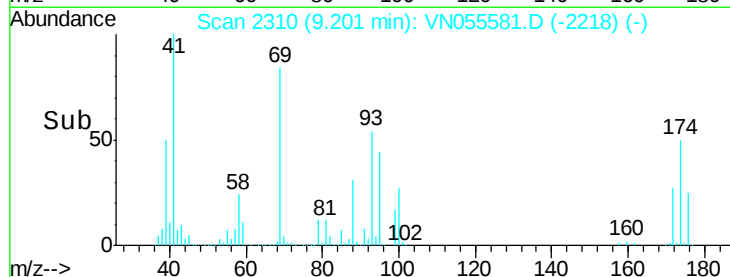
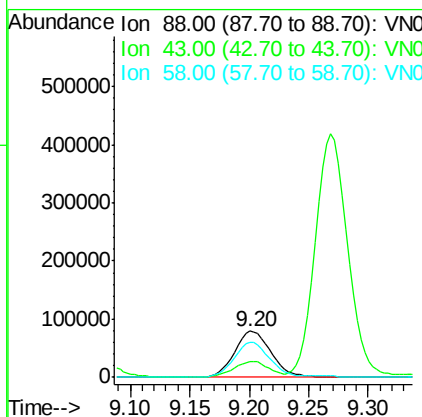
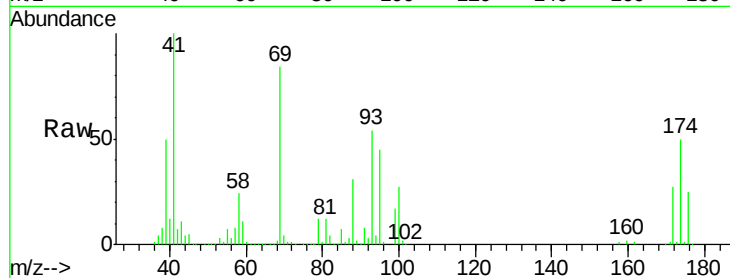
#49
1,4-Dioxane
Concen: 833.575 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.4	27.8	41.8	
58	73.2	61.8	92.6	

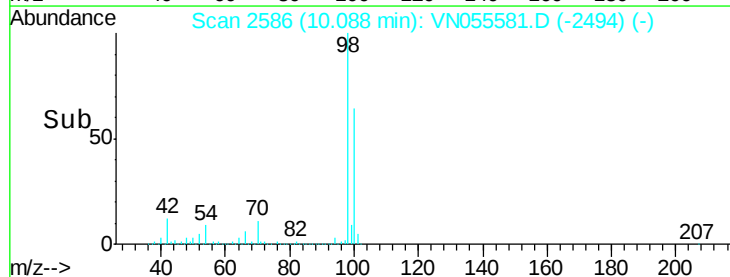
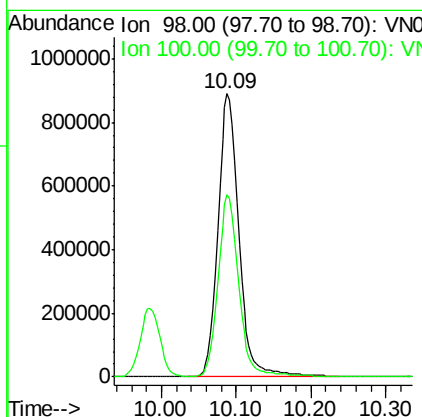
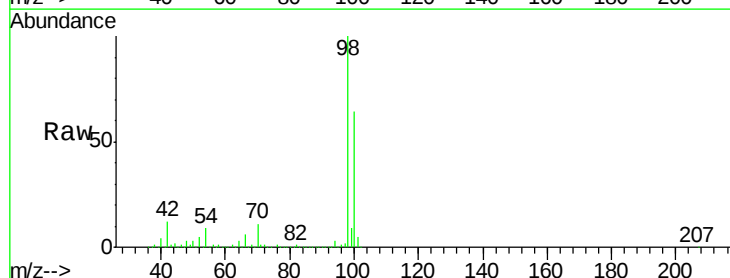
Manual Integrations
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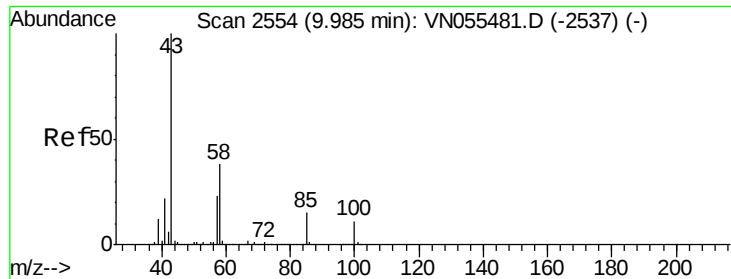
MMDadoda
5/14/2019 9:42:58 AM



#50
Toluene-d8
Concen: 51.467 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.5	50.4	75.6	





#51

4-Methyl-2-Pentanone

Concen: 215.169 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 43 Resp: 3084136

Ion Ratio Lower Upper

43 100

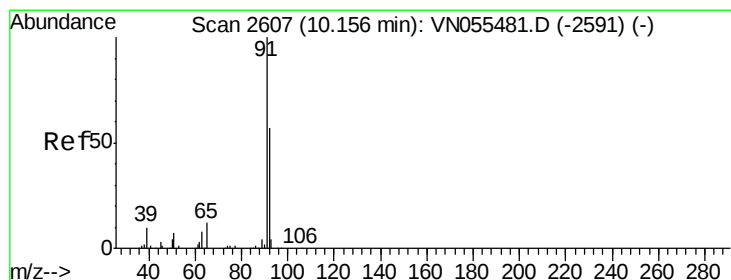
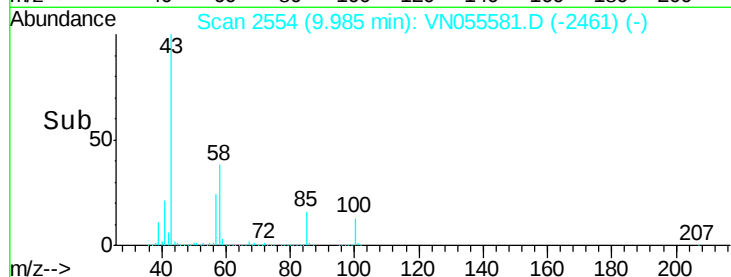
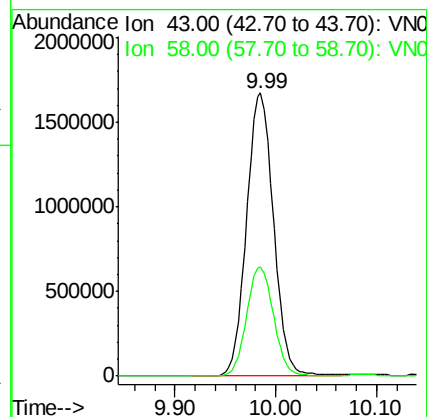
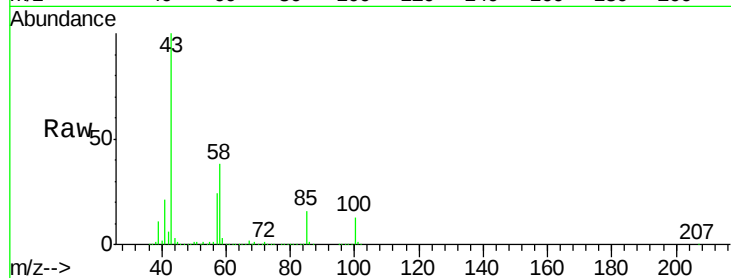
58 38.7 29.9 44.9

Manual Integrations

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5/14/2019 9:42:58 AM



#52

Toluene

Concen: 49.547 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055581.D

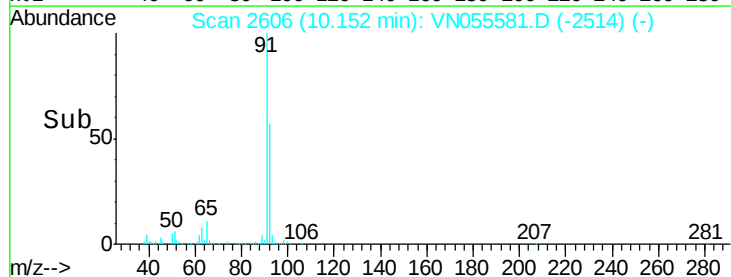
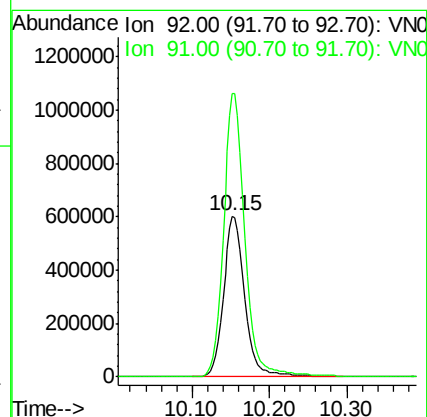
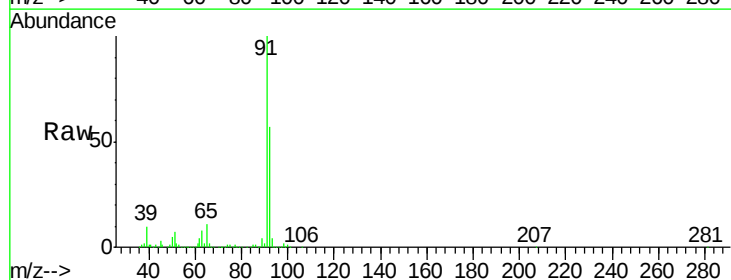
Acq: 13 May 2019 17:51

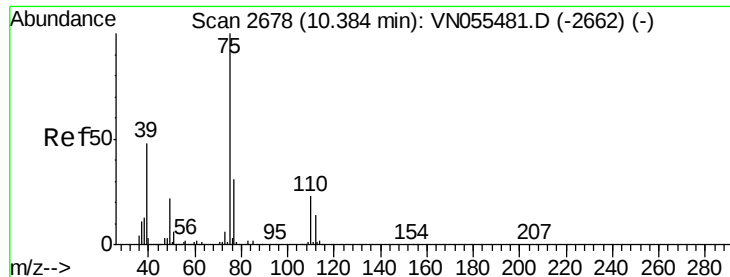
Tgt Ion: 92 Resp: 1156102

Ion Ratio Lower Upper

92 100

91 177.5 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 51.886 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 75 Resp: 645313

Ion Ratio Lower Upper

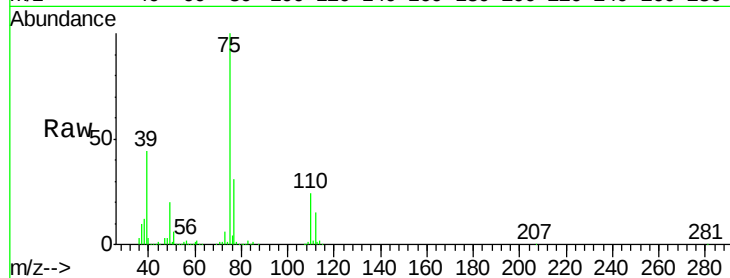
75 100

77 31.1 25.1 37.7

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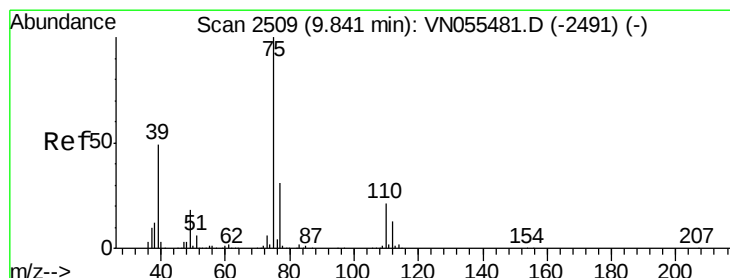
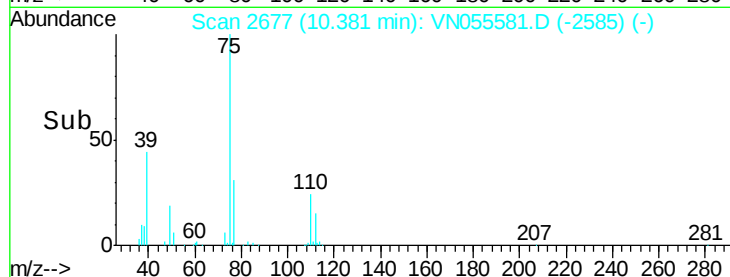
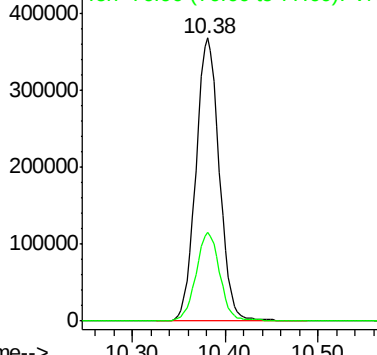
MMDadoda

5/14/2019 9:42:58 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: 51.181 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

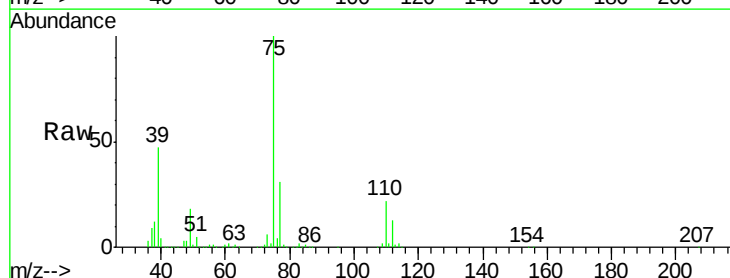
Tgt Ion: 75 Resp: 760632

Ion Ratio Lower Upper

75 100

77 31.4 24.4 36.6

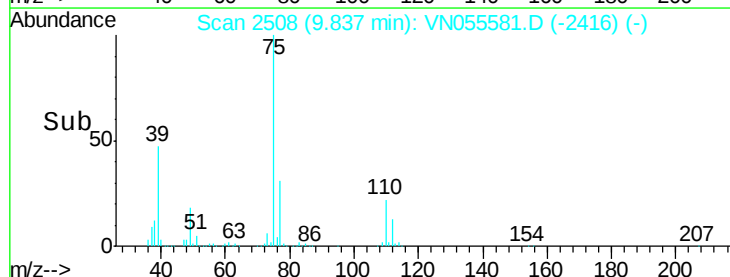
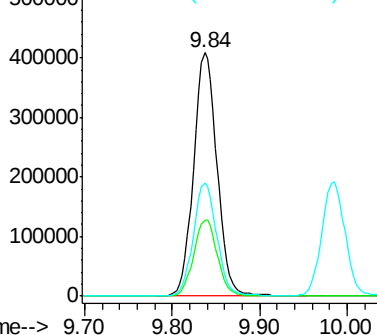
39 46.6 39.5 59.3

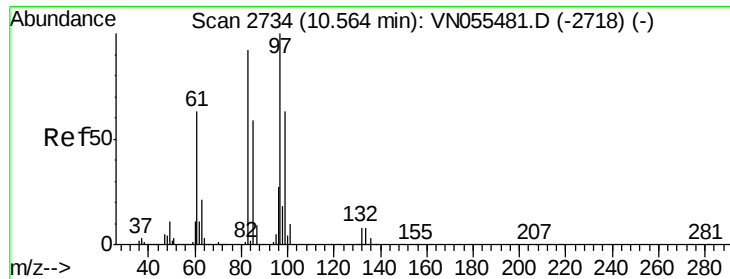


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





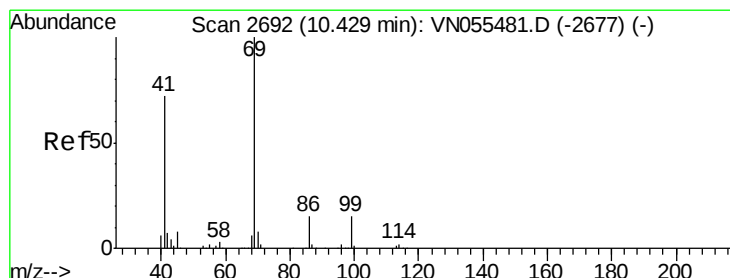
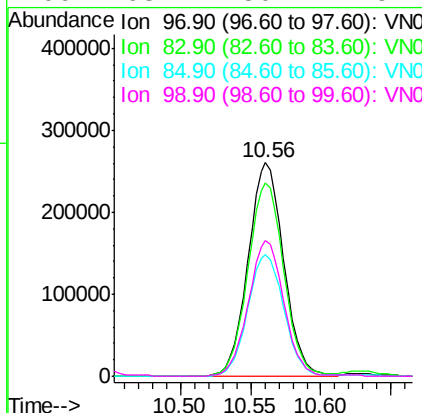
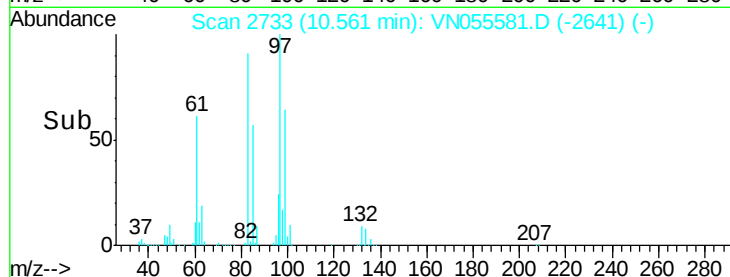
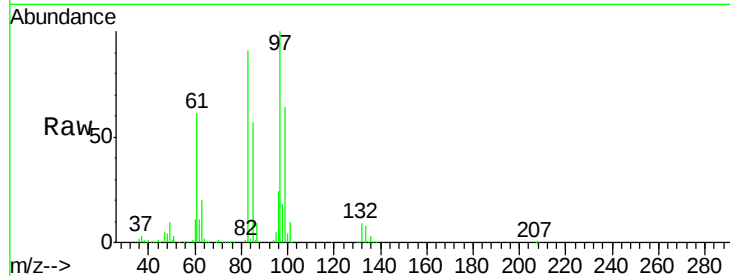
#55
 1,1,2-Trichloroethane
 Concen: 48.679 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02 4-14

Tot Ion:	97	Resp:	460208
Ion	Ratio	Lower	Upper
97	100		
83	90.8	73.2	109.8
85	56.7	47.5	71.3
99	63.4	50.2	75.2

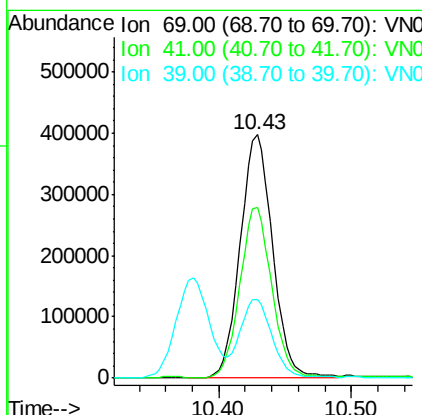
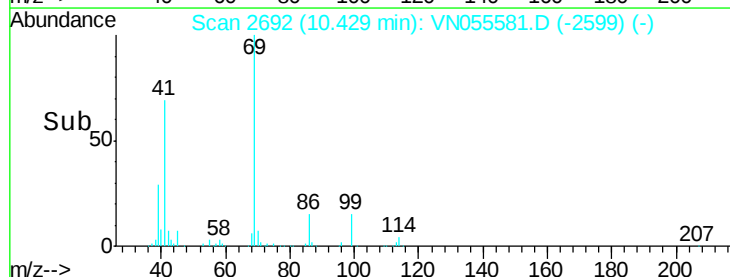
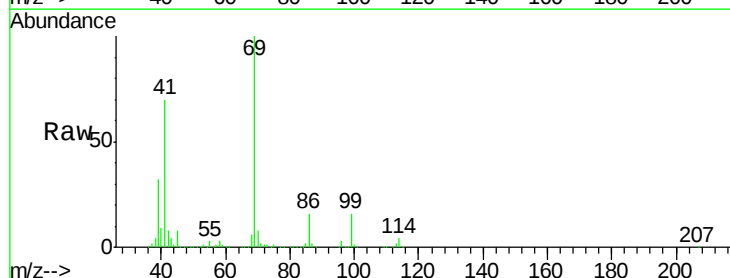
Manual Integrations
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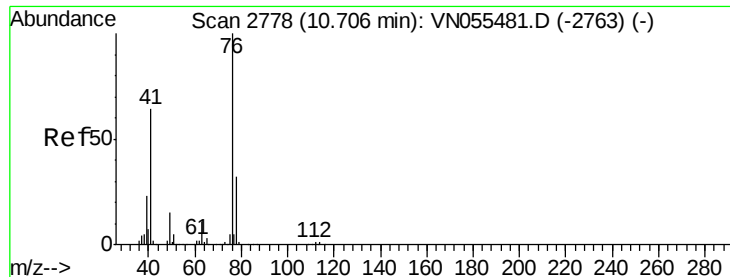
MMDadoda
 5/14/2019 9:42:58 AM



#56
 Ethyl methacrylate
 Concen: 48.093 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Tgt Ion:	69	Resp:	676288
Ion	Ratio	Lower	Upper
69	100		
41	68.0	56.2	84.2
39	31.3	27.8	41.6





#57

1,3-Dichloropropane

Concen: 48.512 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 76 Resp: 814218

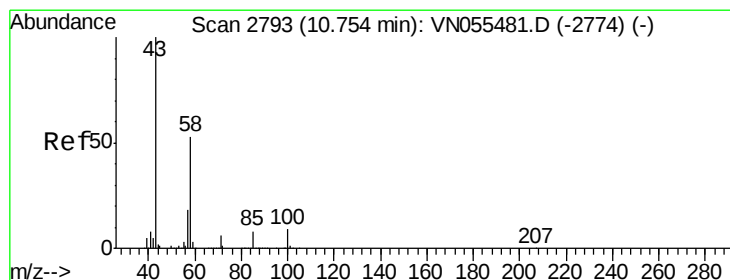
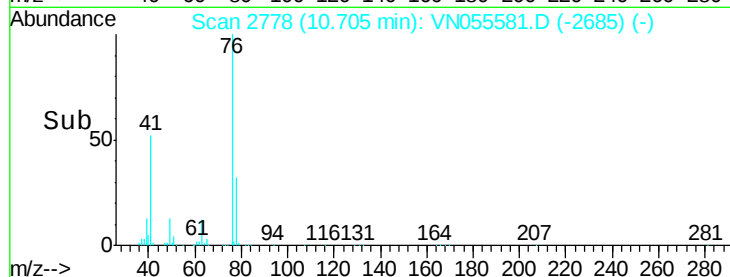
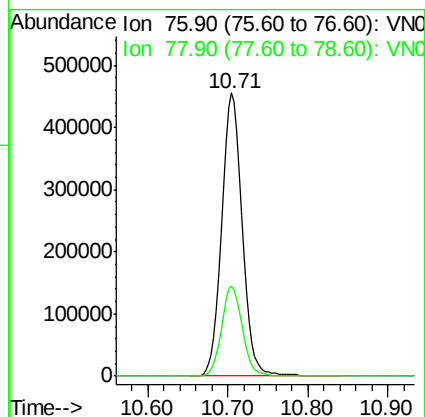
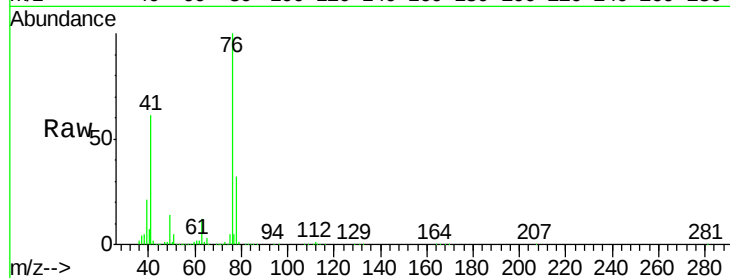
Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
5/14/2019 9:42:58 AM



#59

2-Hexanone

Concen: 207.143 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN055581.D

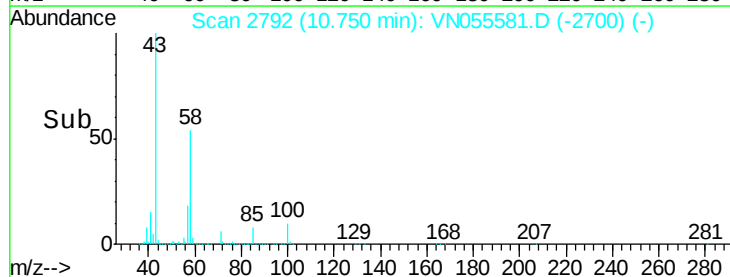
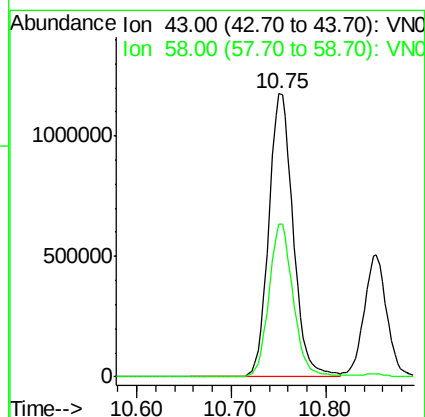
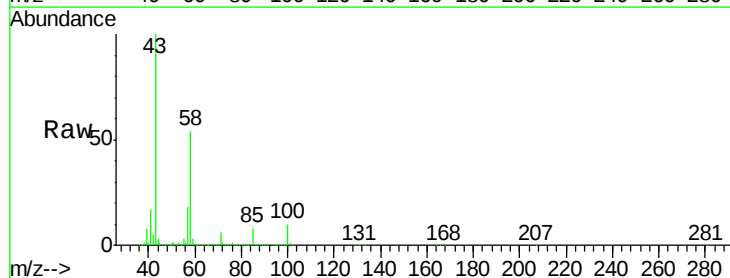
Acq: 13 May 2019 17:51

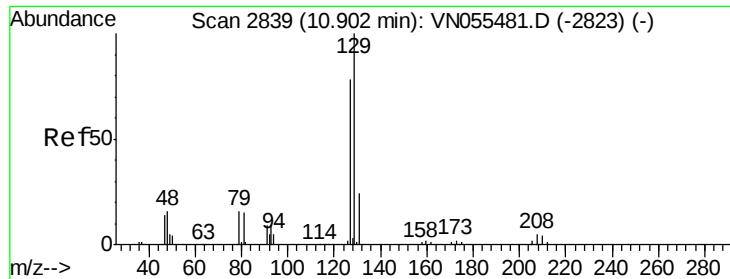
Tgt Ion: 43 Resp: 2082231

Ion Ratio Lower Upper

43 100

58 53.9 26.4 79.0





#60

Dibromochloromethane

Concen: 51.310 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampled :

KR-02 4-14

Tot Ion:129 Resp: 441040

Ion Ratio Lower Upper

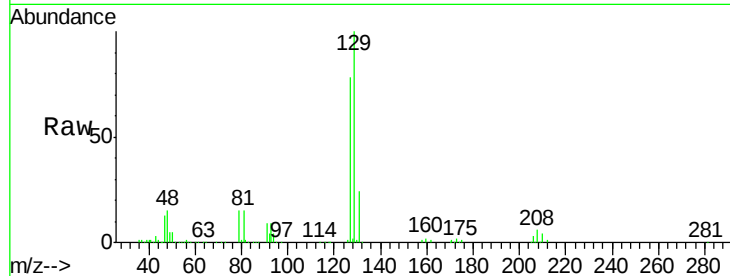
129 100

127 77.7 38.6 116.0

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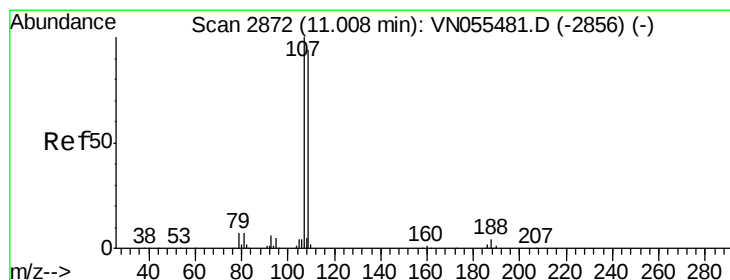
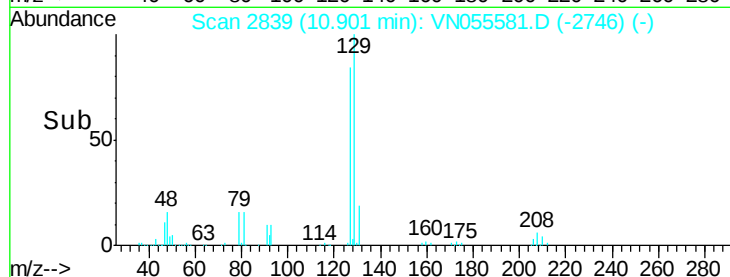
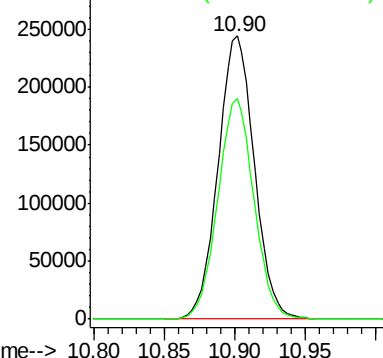
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.920 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055581.D

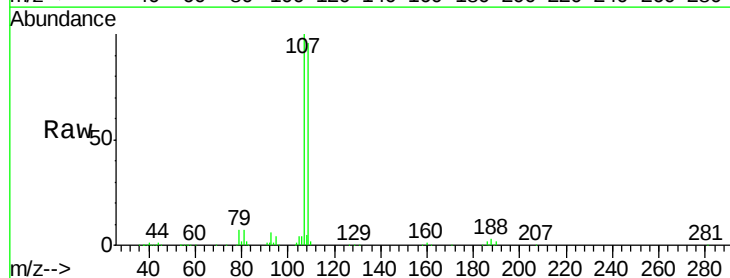
Acq: 13 May 2019 17:51

Tgt Ion:107 Resp: 444366

Ion Ratio Lower Upper

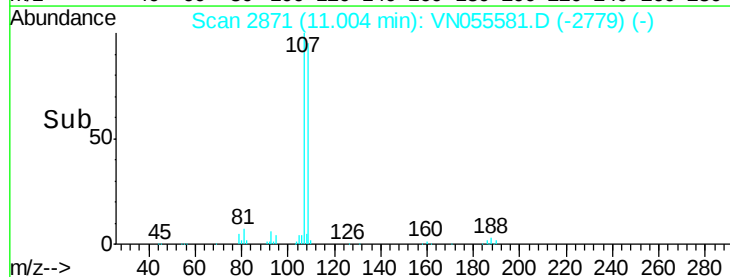
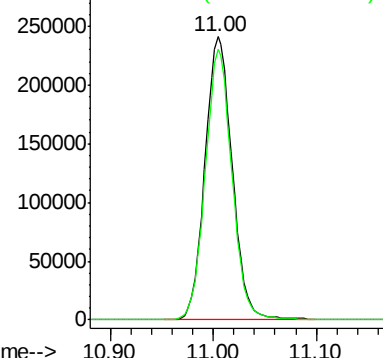
107 100

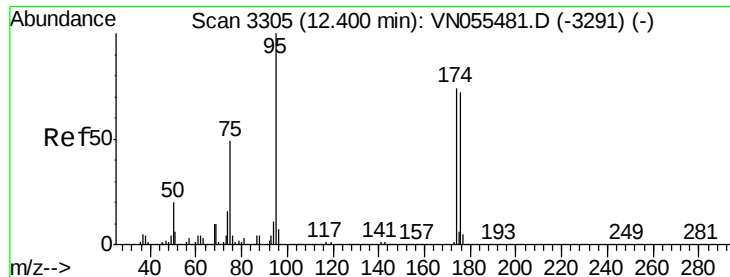
109 94.4 74.2 111.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 52.766 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

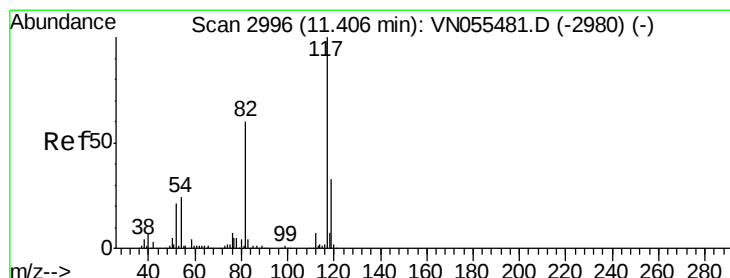
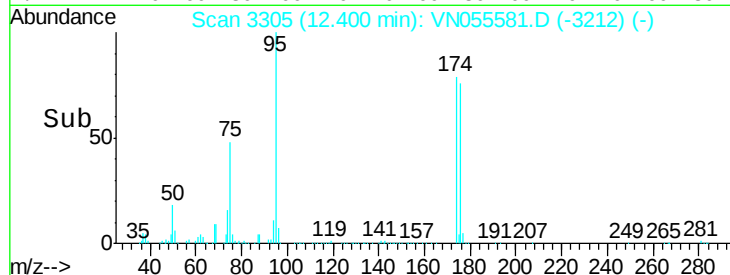
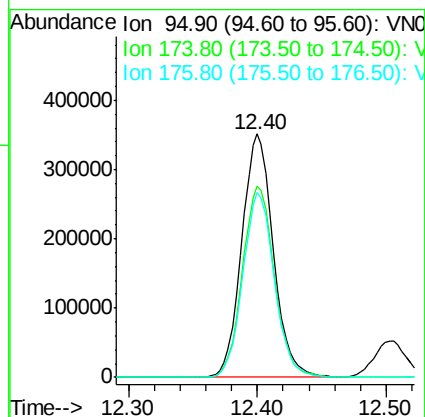
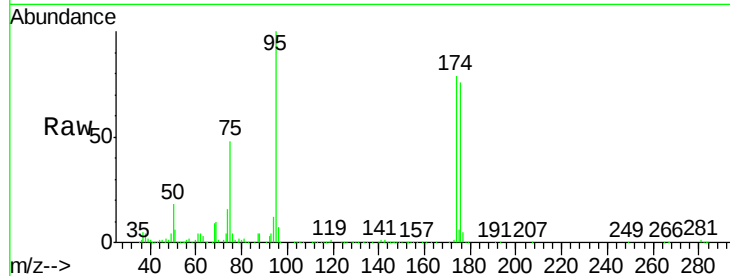
ClientSampleId :

KR-02 4-14

Tot Ion:	95	Resp:	597028
Ion Ratio	Lower	Upper	
95	100		
174	79.6	0.0	152.2
176	76.0	0.0	147.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

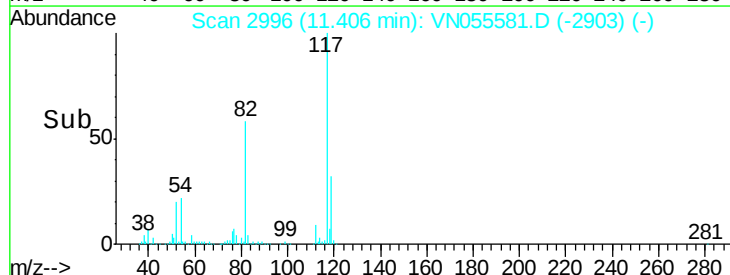
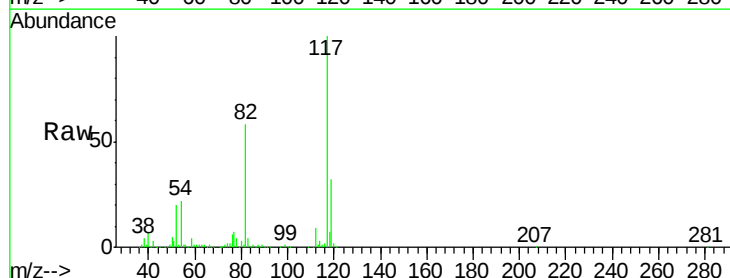
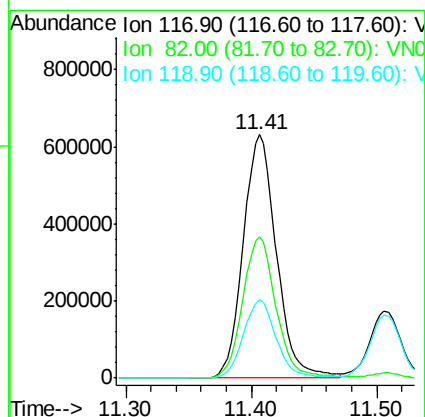
RT: 11.41 min Scan# 2996

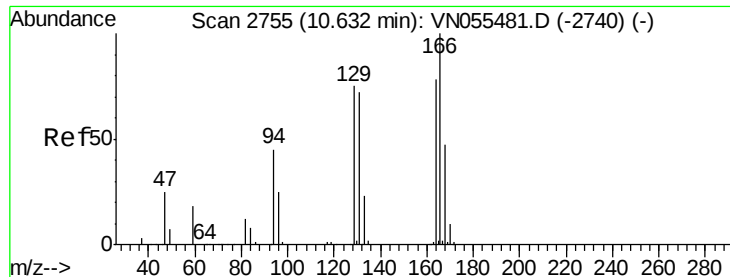
Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Tgt Ion:	117	Resp:	1163148
Ion Ratio	Lower	Upper	
117	100		
82	58.2	48.0	72.0
119	32.4	26.0	39.0





#64

Tetrachloroethene

Concen: 47.915 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion:164 Resp: 456674

Ion Ratio Lower Upper

164 100

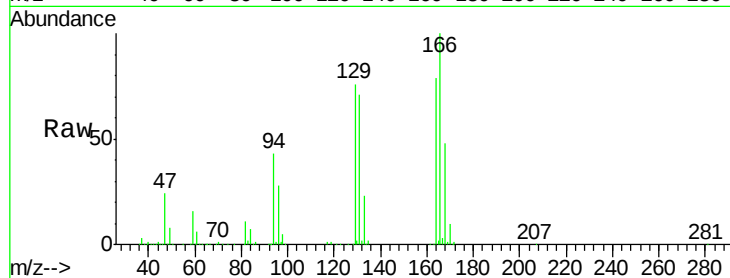
166 126.6 102.6 153.8

129 96.1 77.0 115.6

131 90.1 73.7 110.5

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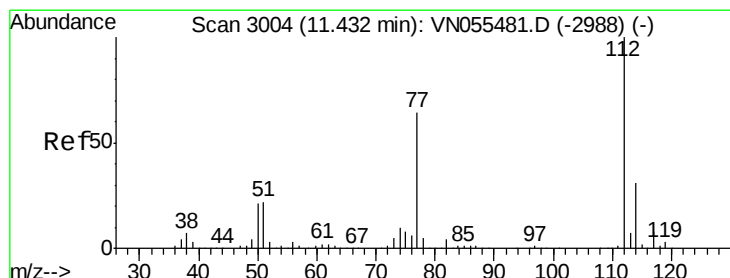
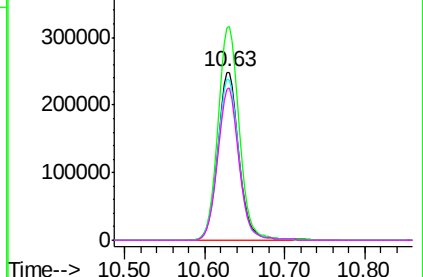
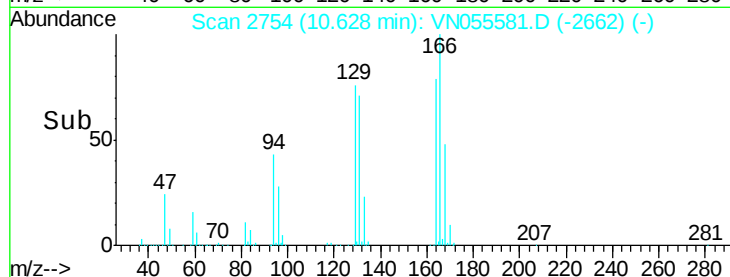
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#65

Chlorobenzene

Concen: 49.854 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055581.D

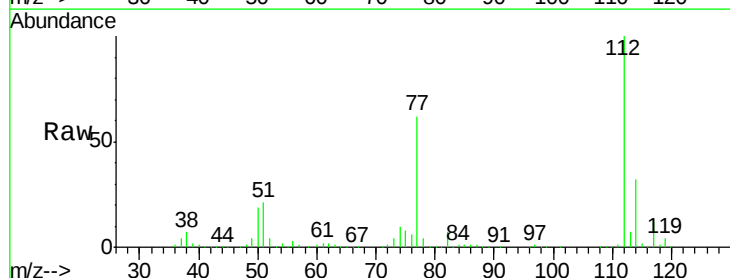
Acq: 13 May 2019 17:51

Tgt Ion:112 Resp: 1193018

Ion Ratio Lower Upper

112 100

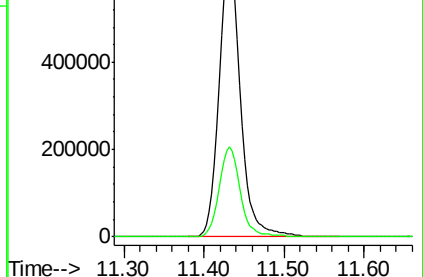
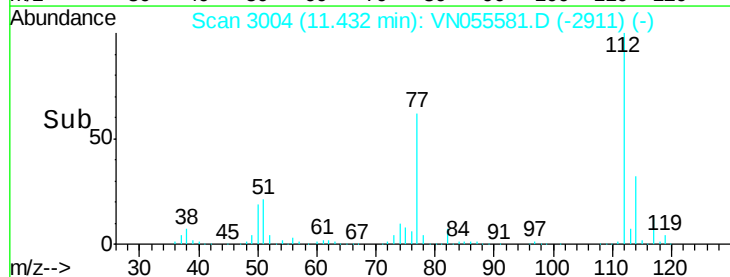
114 31.8 25.0 37.4

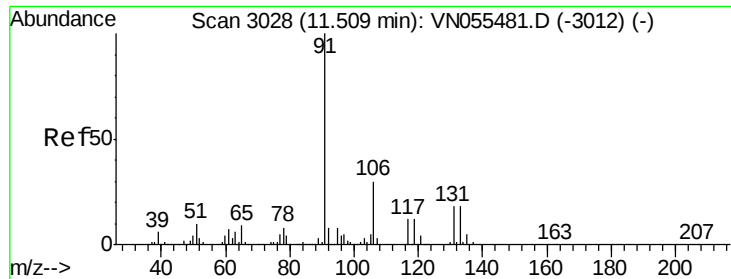


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->





#66

1,1,1,2-Tetrachloroethane

Concen: 50.354 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

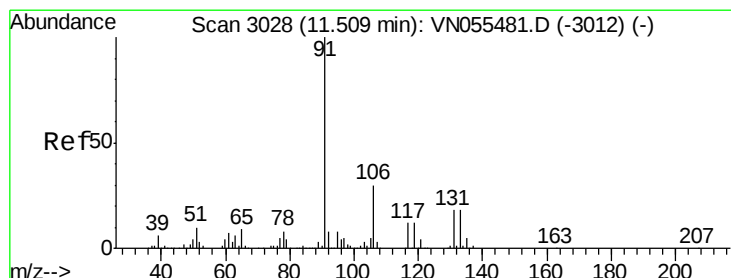
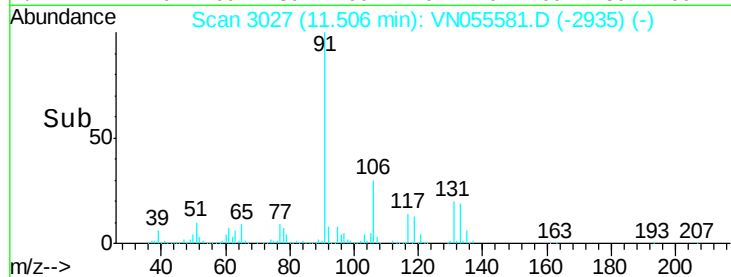
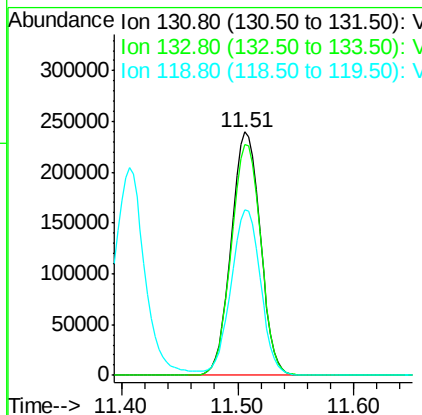
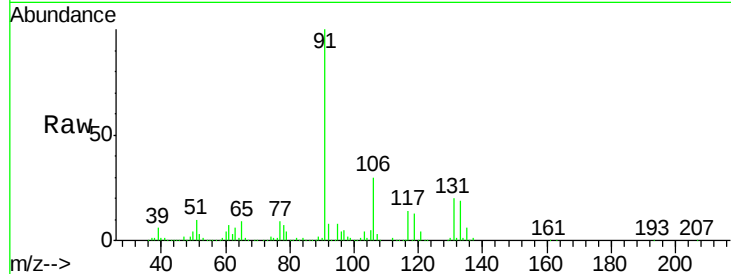
ClientSampleId :

KR-02 4-14

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.4	142.2
119	69.1	34.1	102.2

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#67

Ethyl Benzene

Concen: 48.912 ug/l

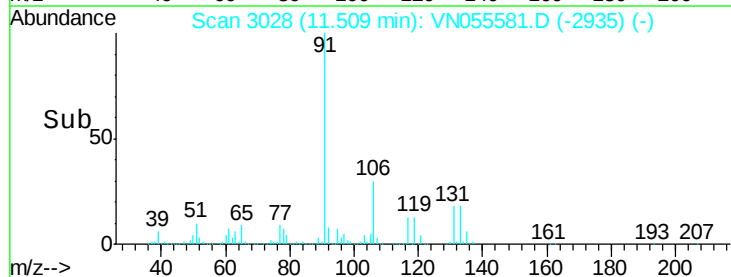
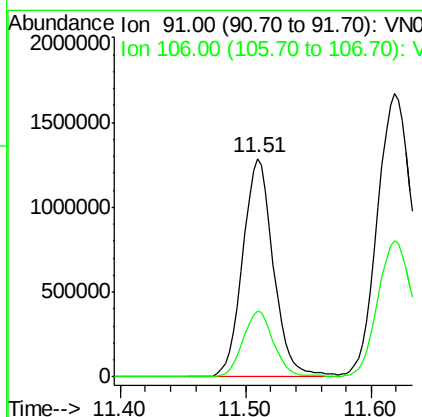
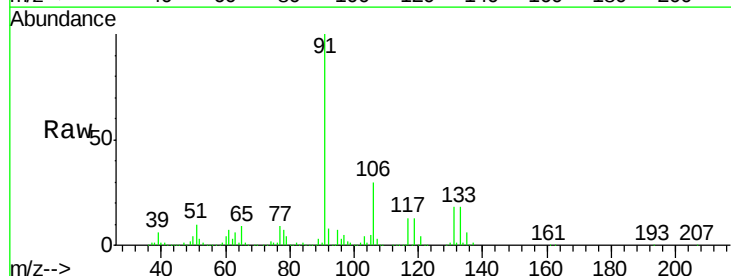
RT: 11.51 min Scan# 3028

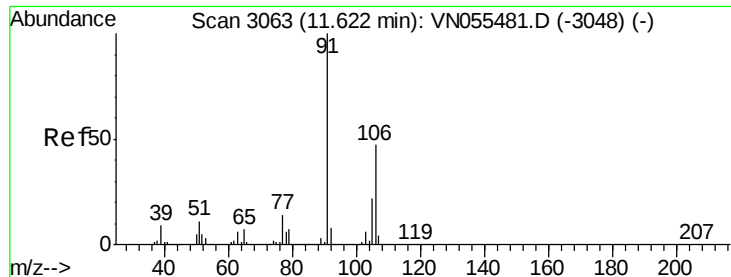
Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.8	35.6





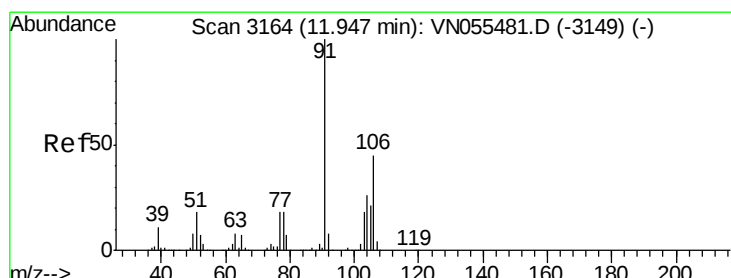
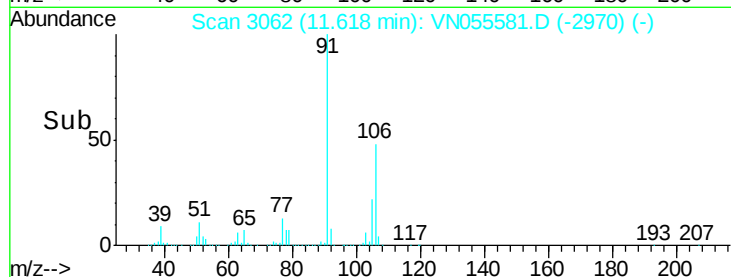
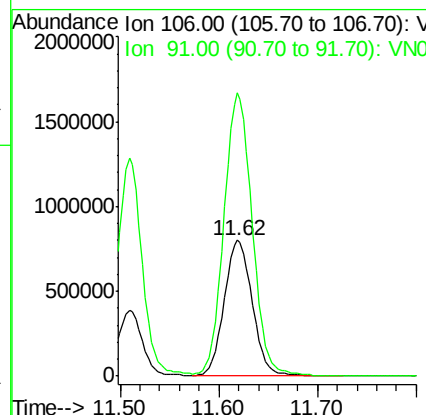
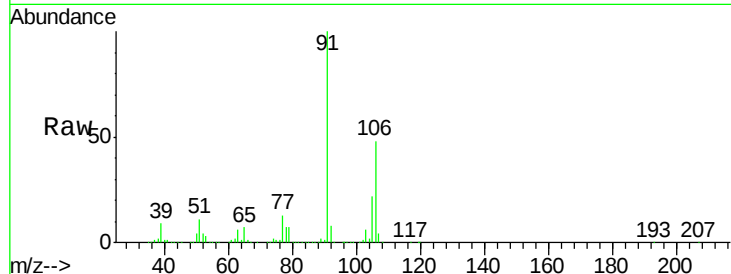
#68
m/p-Xylenes
Concen: 99.418 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion:106 Resp: 1603535
Ion Ratio Lower Upper
106 100
91 209.4 169.2 253.8

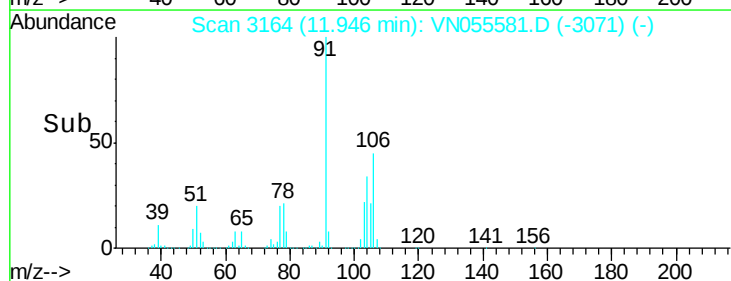
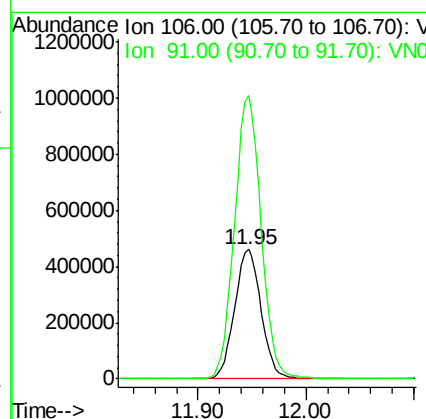
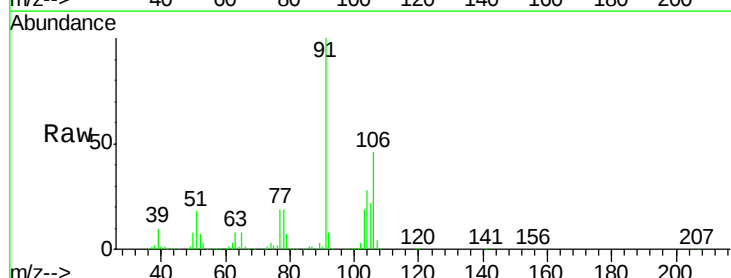
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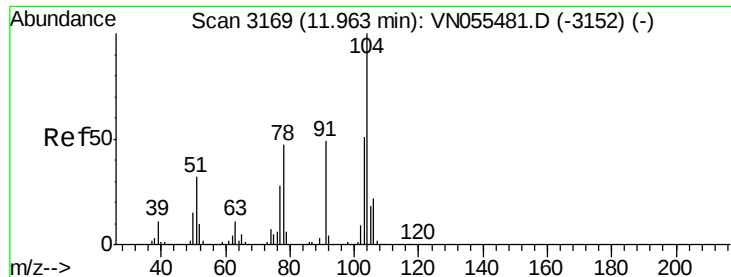
MMDadoda
5/14/2019 9:42:58 AM



#69
o-Xylene
Concen: 49.920 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion:106 Resp: 791385
Ion Ratio Lower Upper
106 100
91 219.4 111.3 333.8





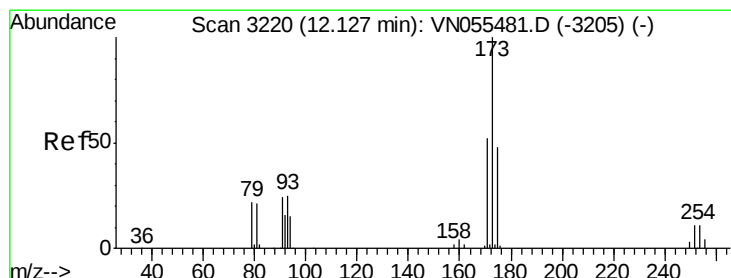
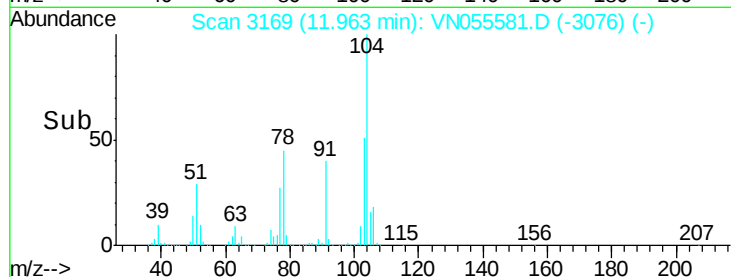
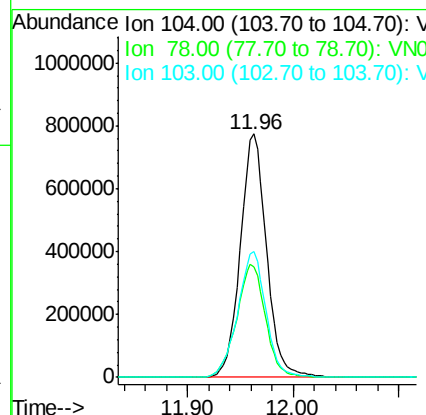
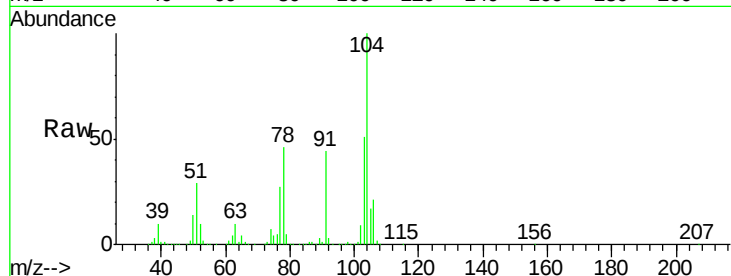
#70
Stvrene
Concen: 52.457 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampled :
KR-02 4-14

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.6	62.4
103	55.7	44.4	66.6

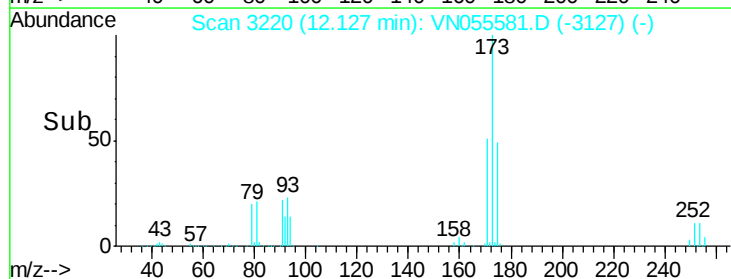
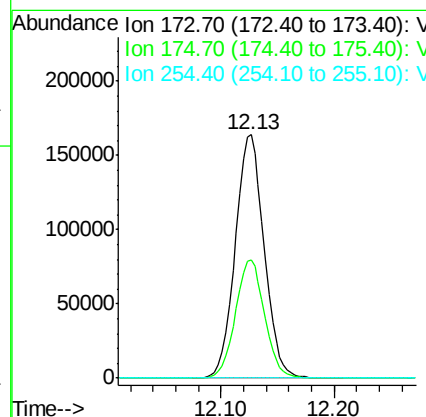
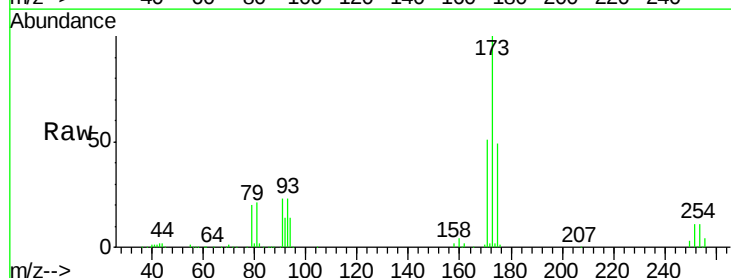
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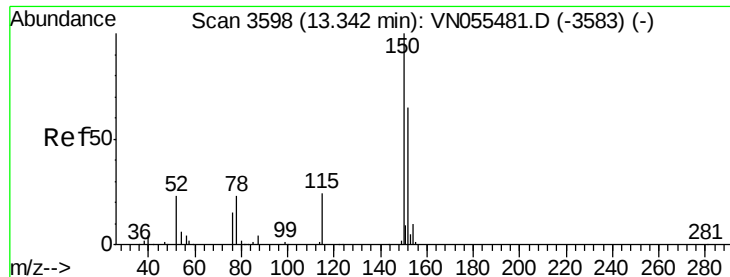
MMDadoda
5/14/2019 9:42:58 AM



#71
Bromoform
Concen: 52.217 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.4
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion:152 Resp: 498642

Ion Ratio Lower Upper

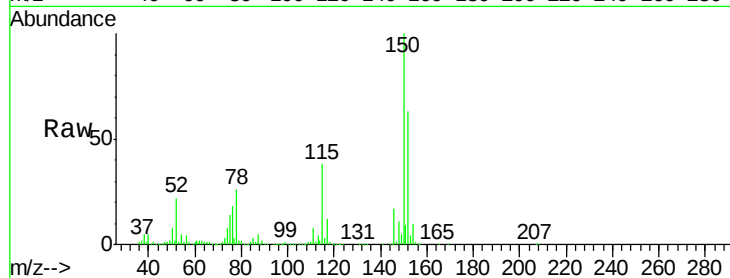
152 100

115 59.2 30.1 90.5

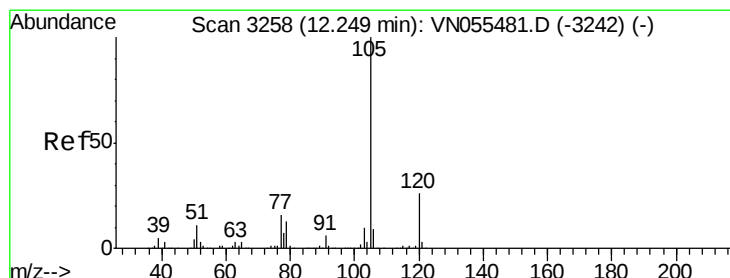
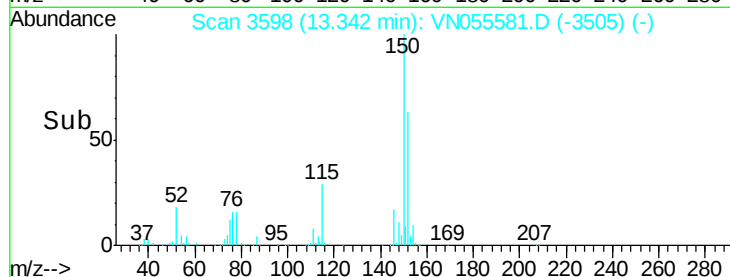
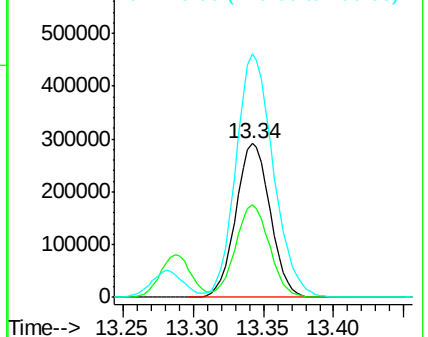
150 172.0 0.0 355.0

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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: 50.473 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055581.D

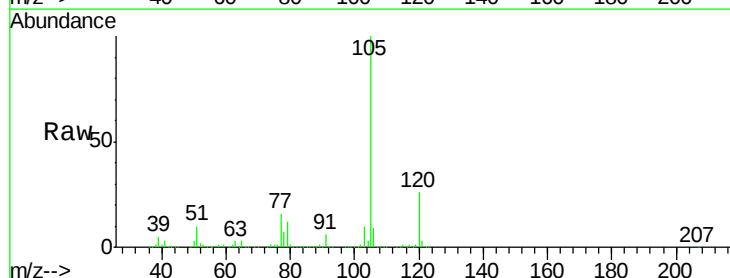
Acq: 13 May 2019 17:51

Tgt Ion:105 Resp: 2074301

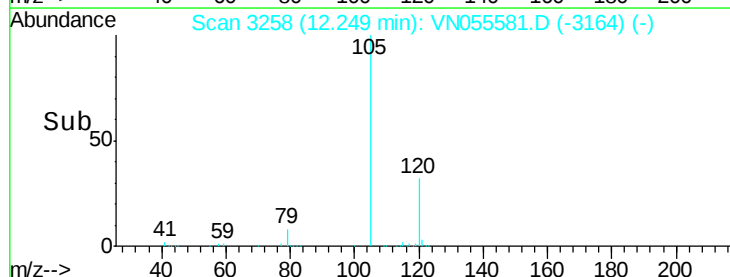
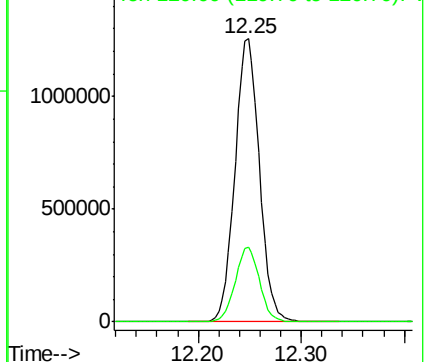
Ion Ratio Lower Upper

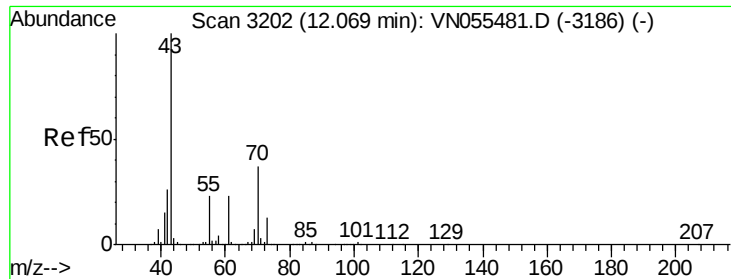
105 100

120 26.1 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: 42.506 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

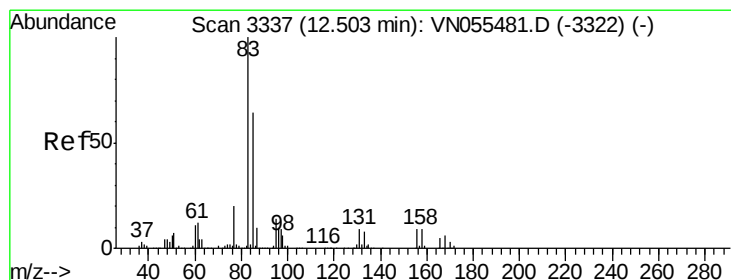
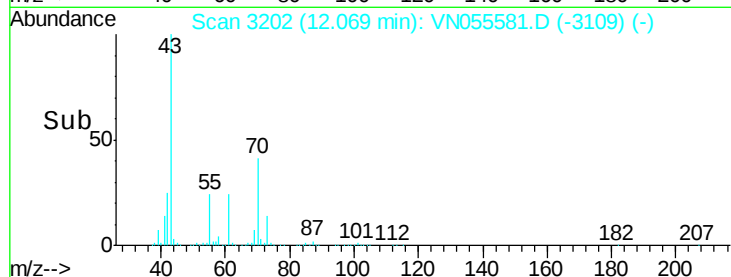
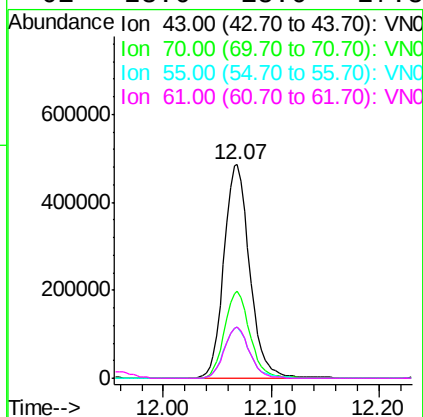
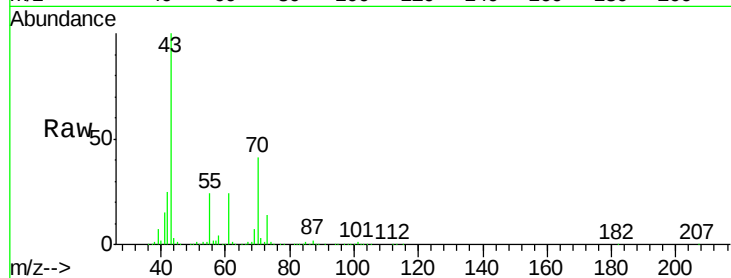
ClientSampleId :

KR-02 4-14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		804699		
70	40.4	30.7	46.1		
55	23.8	19.3	28.9		
61	23.6	18.6	27.8		

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#75

1,1,2,2-Tetrachloroethane

Concen: 47.563 ug/l

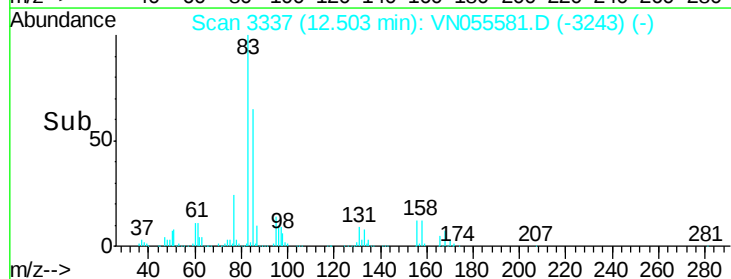
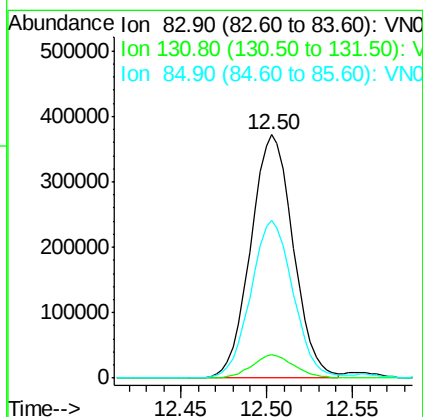
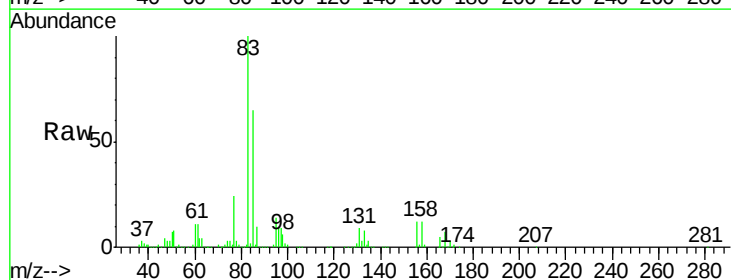
RT: 12.50 min Scan# 3337

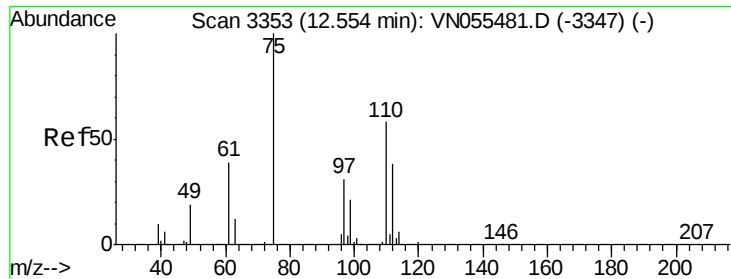
Delta R.T. 0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		637444		
131	9.5	4.5	13.5		
85	64.4	32.0	96.0		





#76

1,2,3-Trichloropropane

Concen: 41.787 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 75 Resp: 567247

Ion Ratio Lower Upper

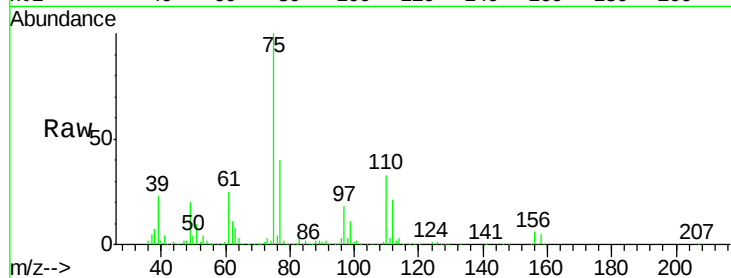
75 100

77 0.0 0.0 0.0

Manual Integrations
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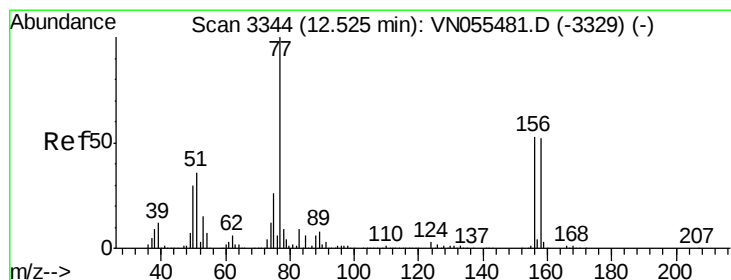
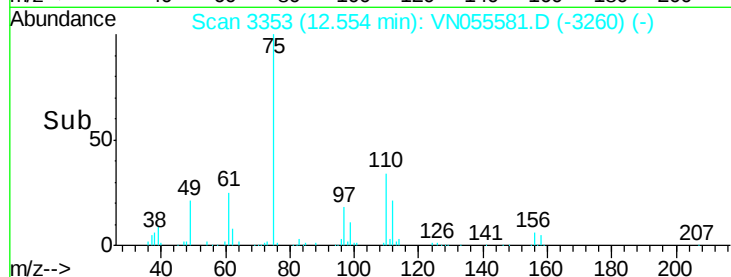
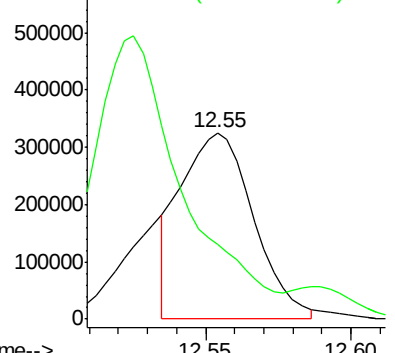
MMDadoda

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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: 45.098 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

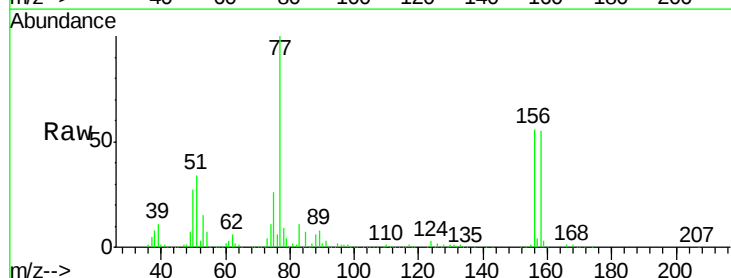
Tgt Ion: 156 Resp: 495582

Ion Ratio Lower Upper

156 100

77 214.4 115.4 346.2

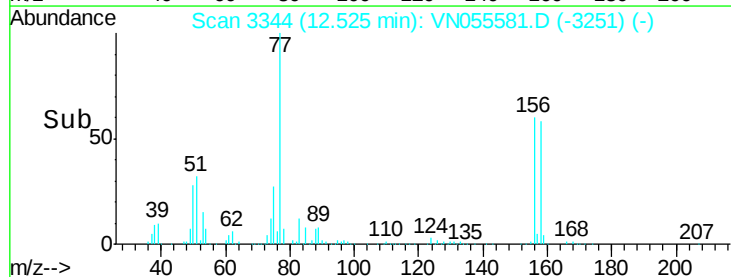
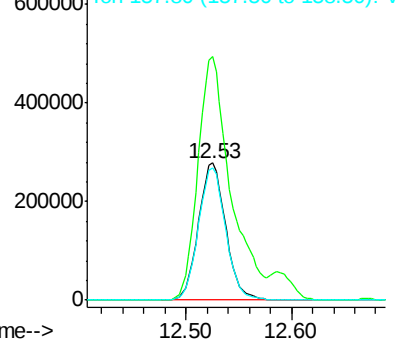
158 96.7 48.7 146.1

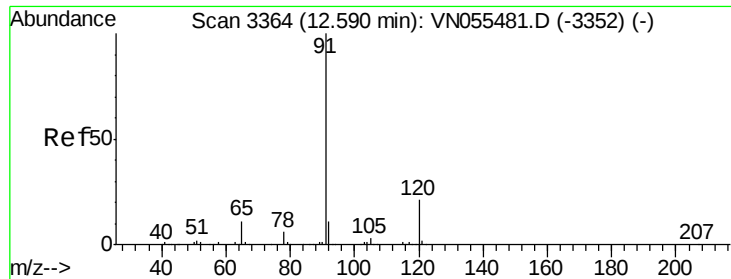


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 44.286 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 91 Resp: 2368540

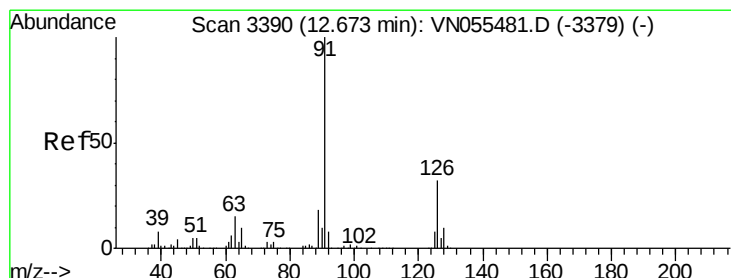
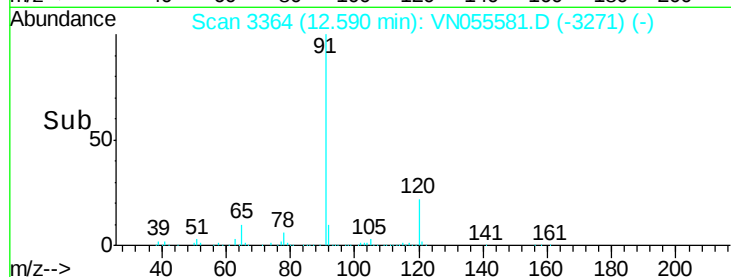
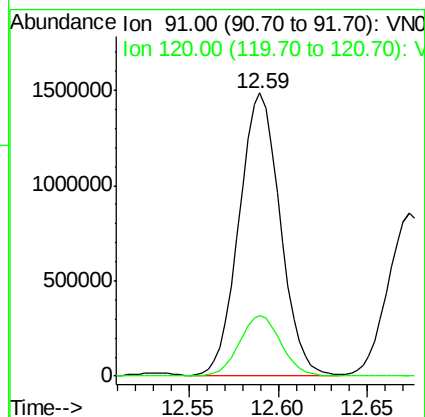
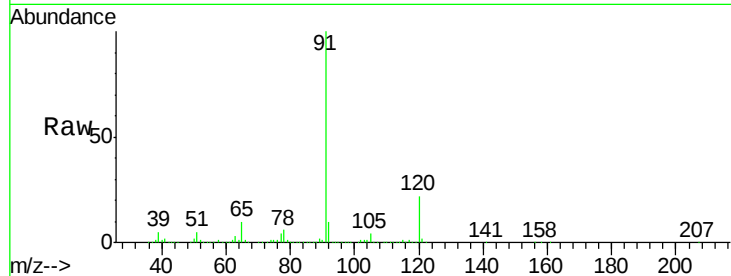
Ion Ratio Lower Upper

91 100

120 21.8 10.8 32.3

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#79

2-Chlorotoluene

Concen: 42.741 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055581.D

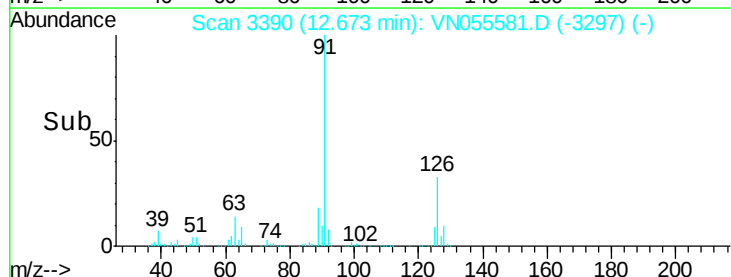
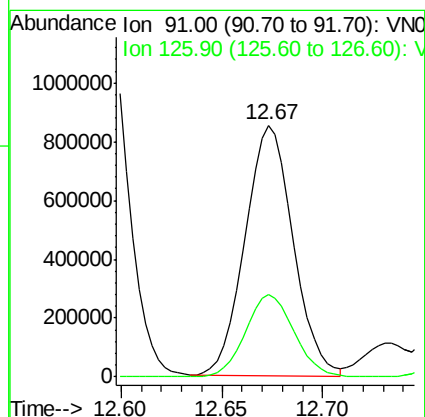
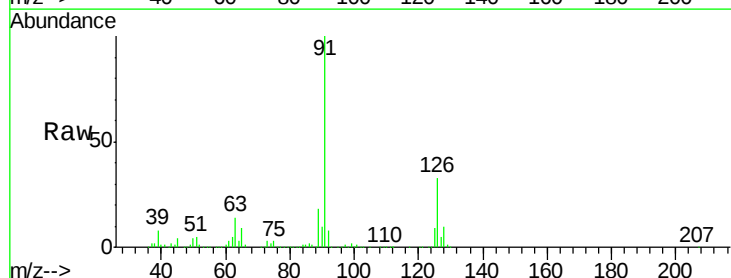
Acq: 13 May 2019 17:51

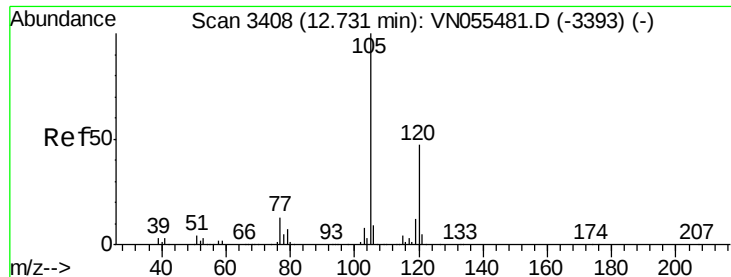
Tgt Ion: 91 Resp: 1424594

Ion Ratio Lower Upper

91 100

126 33.2 16.0 47.9





#80

1,3,5-Trimethylbenzene

Concen: 44.197 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion:105 Resp: 1762548

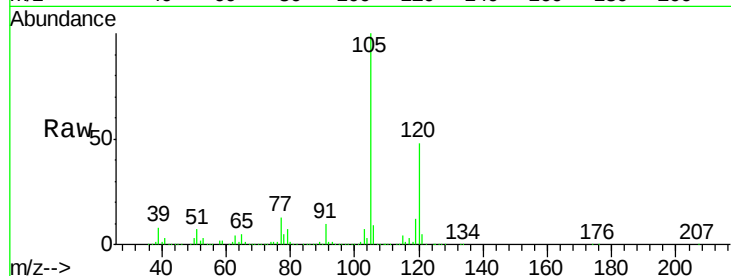
Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0

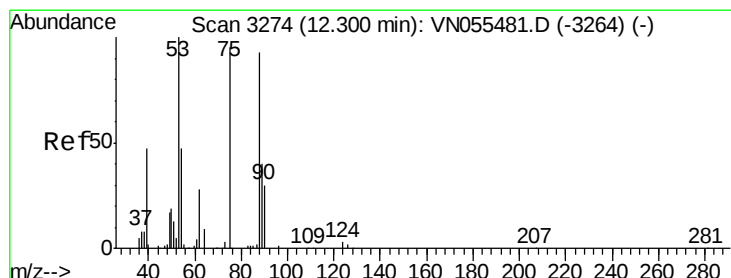
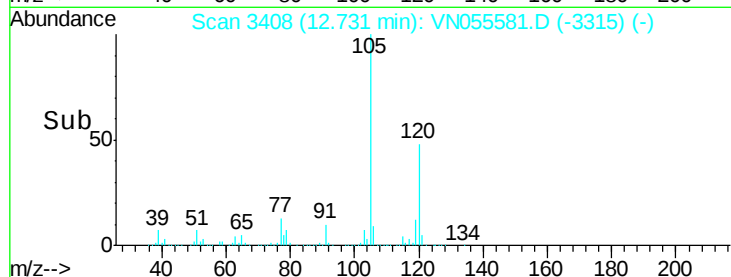
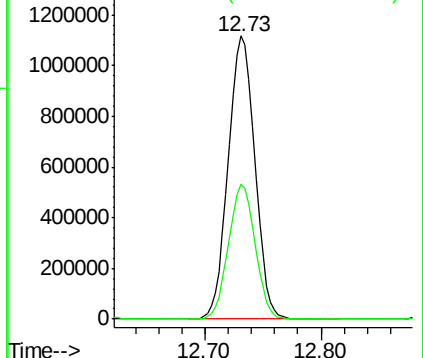
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 43.306 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

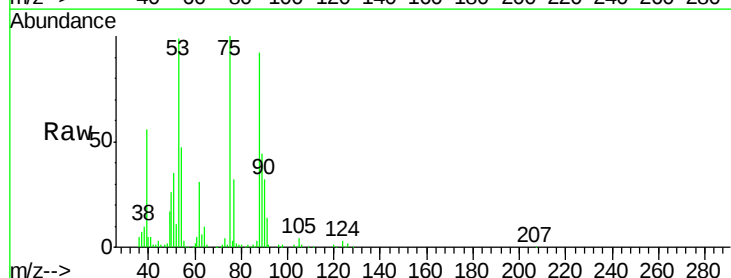
Tgt Ion: 75 Resp: 159319

Ion Ratio Lower Upper

75 100

53 104.7 86.5 129.7

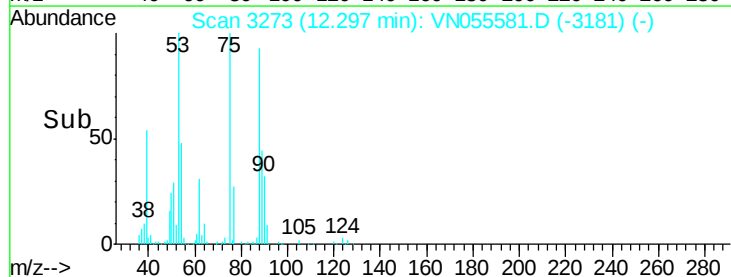
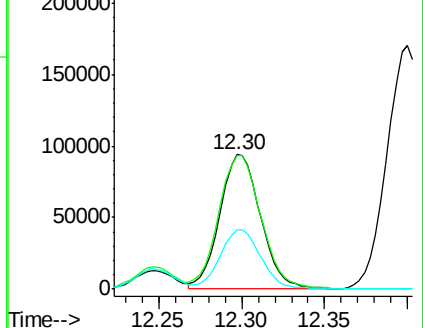
89 44.2 35.7 53.5

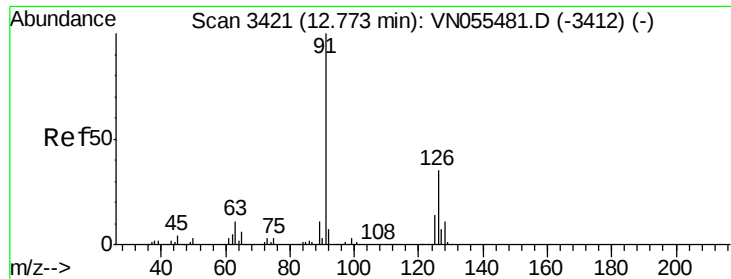


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 44.786 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

KR-02 4-14

Tot Ion: 91 Resp: 1410518

Ion Ratio Lower Upper

91 100

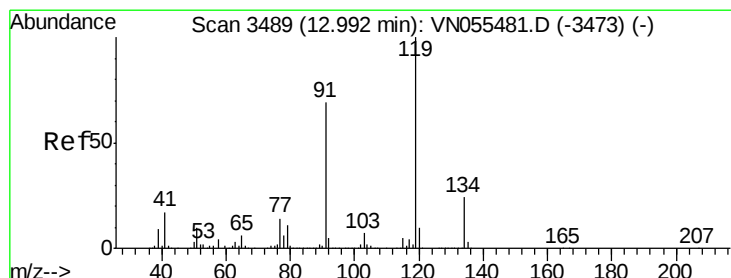
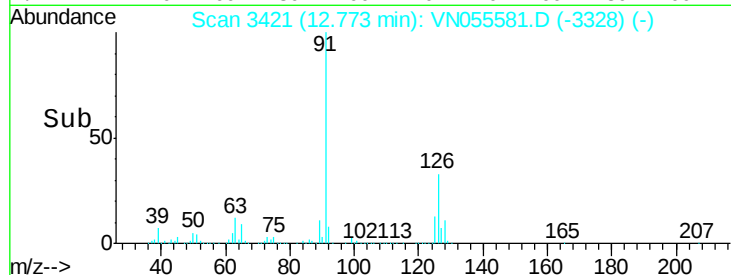
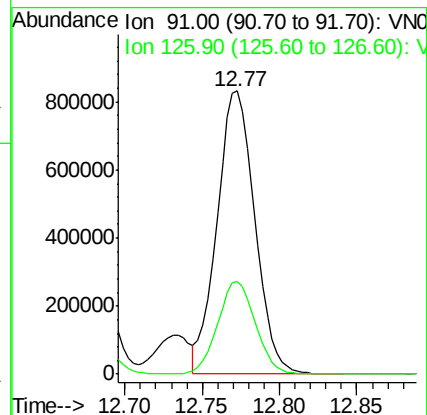
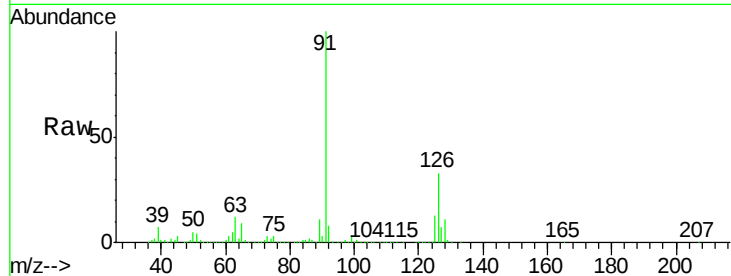
126 32.7 15.7 47.0

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#83

tert-Butylbenzene

Concen: 42.776 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

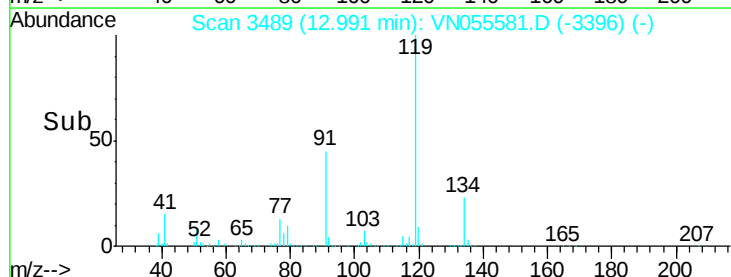
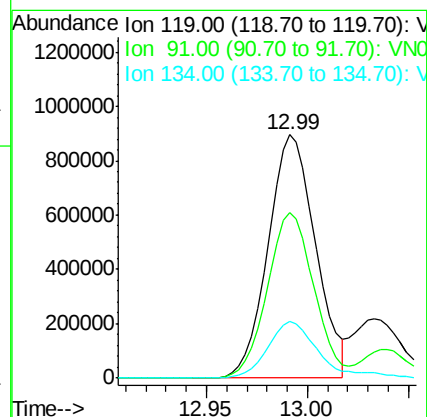
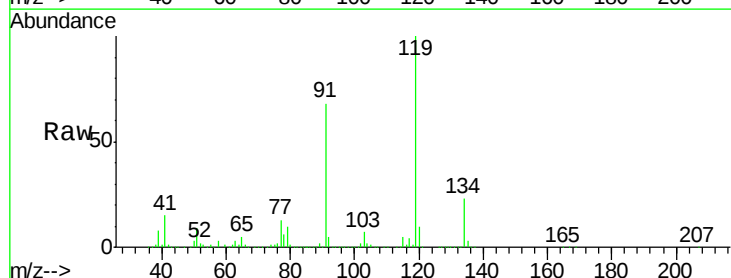
Tgt Ion: 119 Resp: 1462169

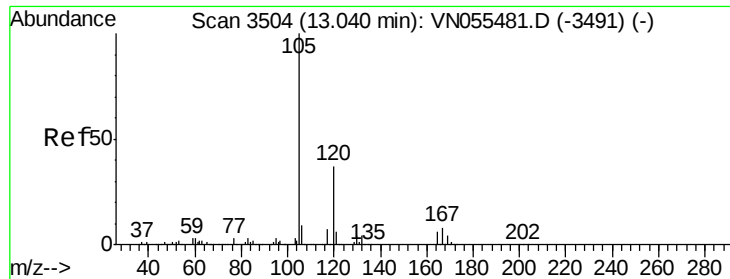
Ion Ratio Lower Upper

119 100

91 66.9 33.8 101.3

134 25.3 12.5 37.5





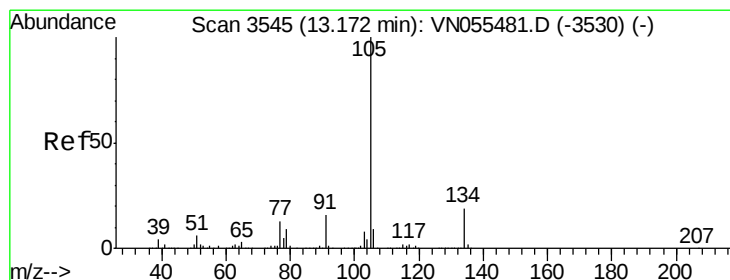
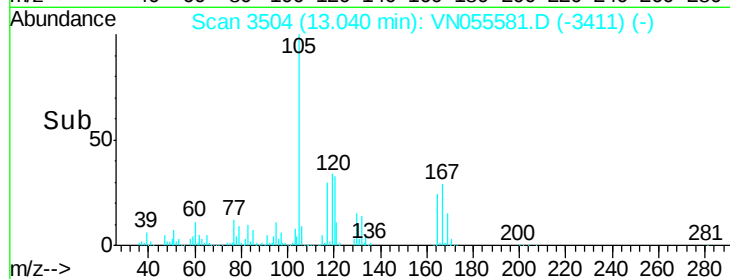
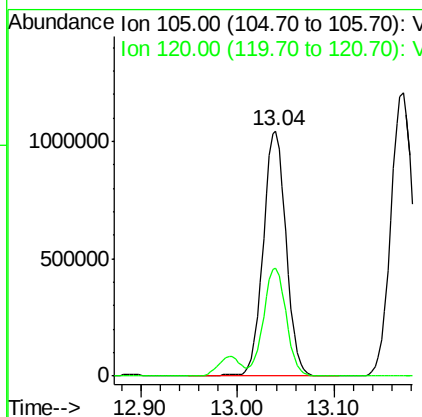
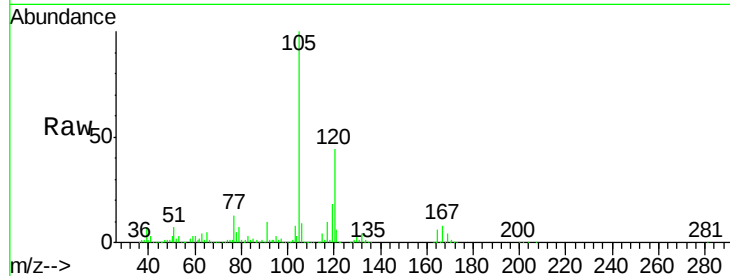
#84
 1,2,4-Trimethylbenzene
 Concen: 46.706 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion:105 Resp: 1708239
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.1 66.5

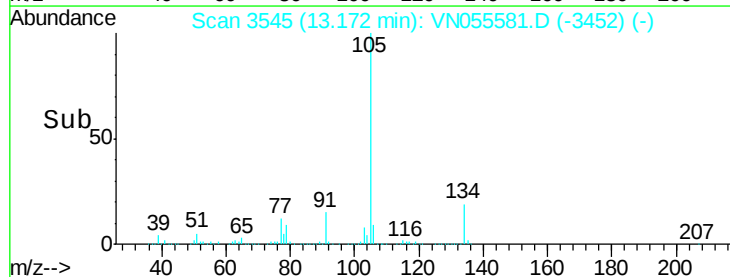
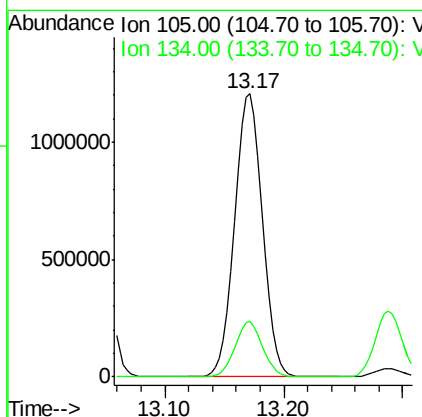
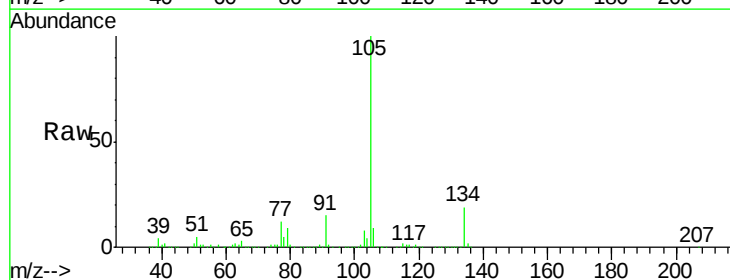
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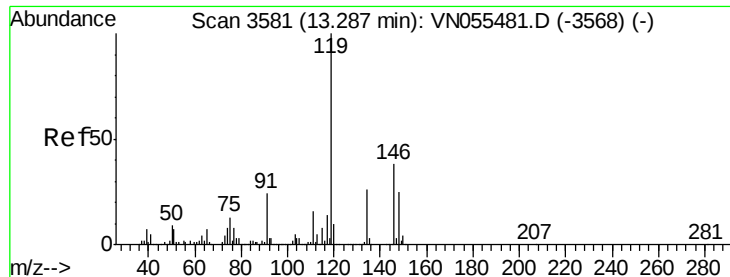
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#85
 sec-Butylbenzene
 Concen: 42.954 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Tgt Ion:105 Resp: 1951347
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.3 28.0





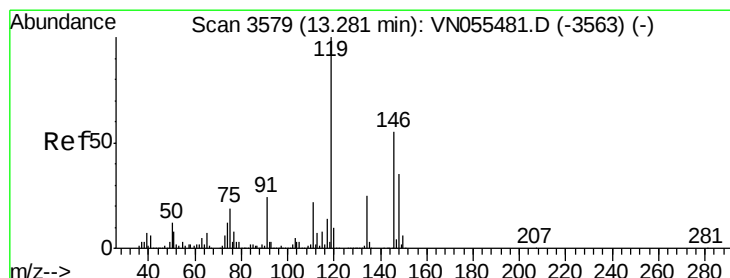
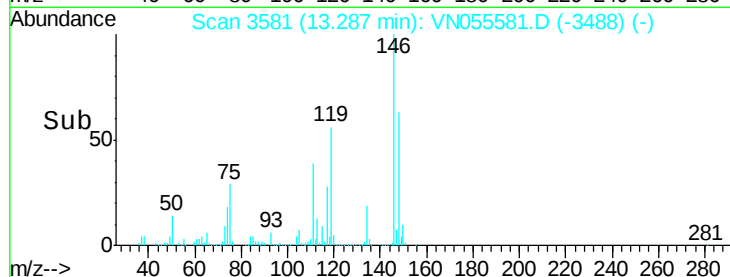
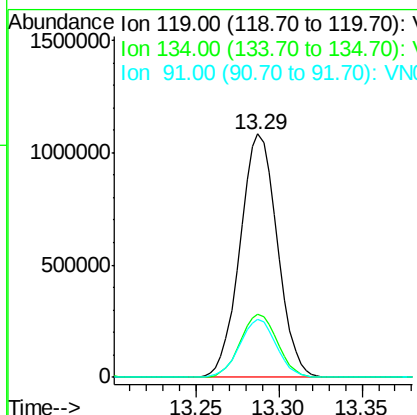
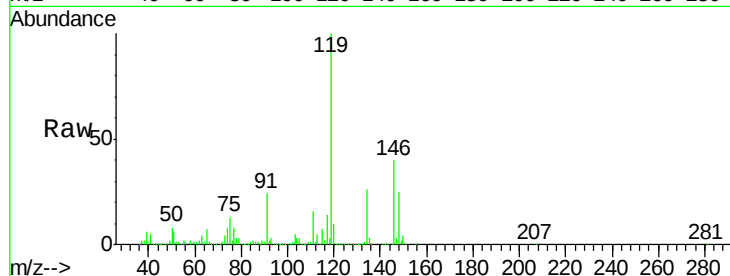
#86
 p-Isopropyltoluene
 Concen: 45.619 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.8	38.4
91	23.4	12.0	36.0

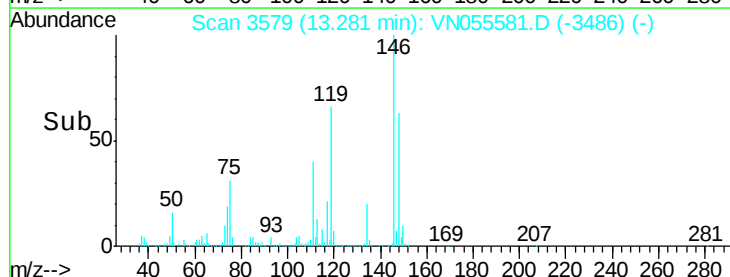
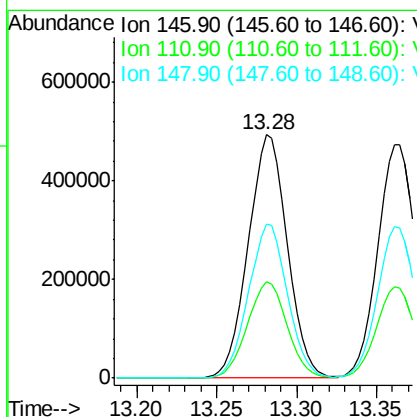
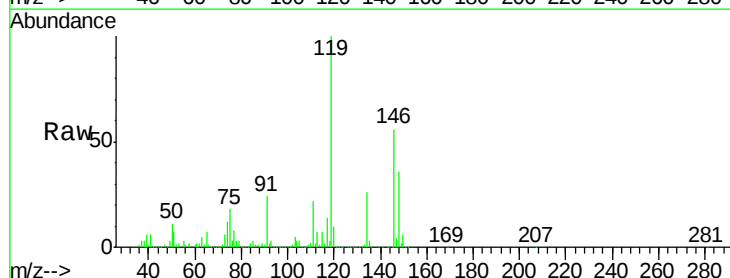
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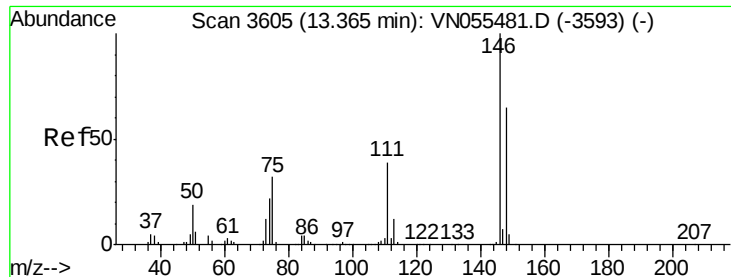
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#87
 1,3-Dichlorobenzene
 Concen: 48.528 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.4	61.3
148	63.1	32.1	96.5





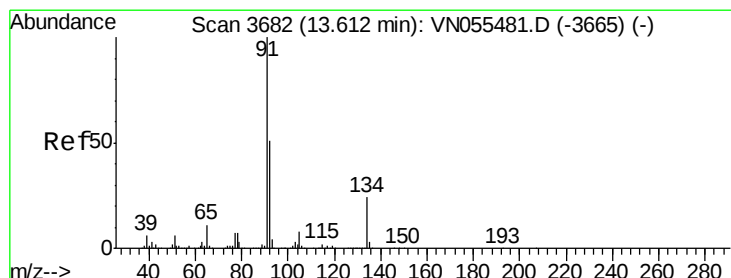
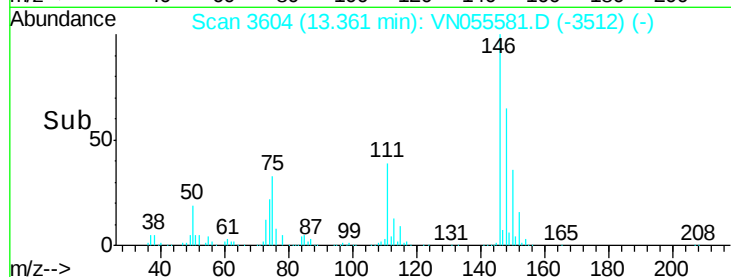
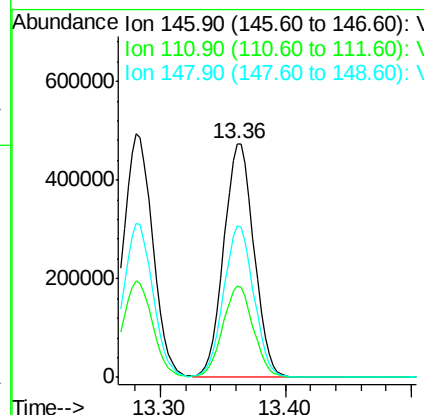
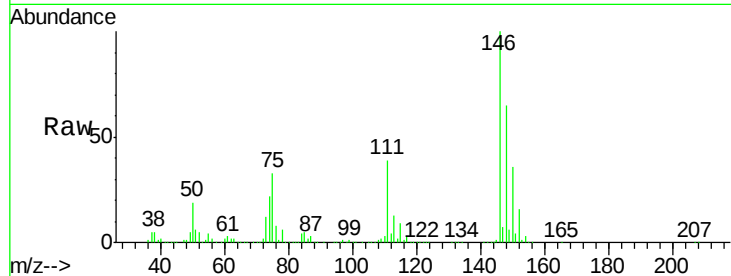
#88
 1,4-Dichlorobenzene
 Concen: 47.464 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Instrument :
 MSVOA_N
 ClientSampled :
 KR-02 4-14

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.8
148	64.6	32.5	97.4

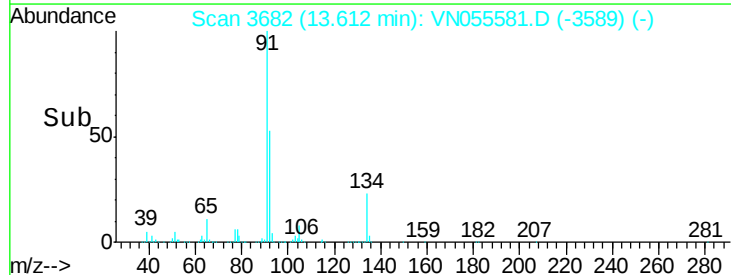
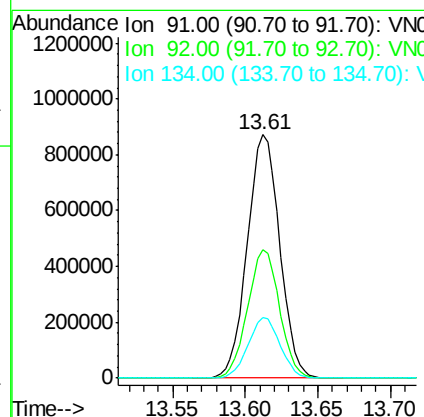
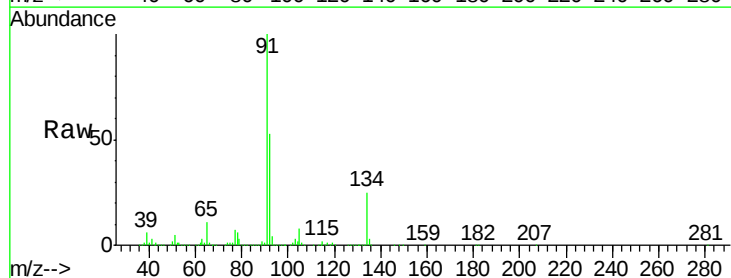
Manual Integrations
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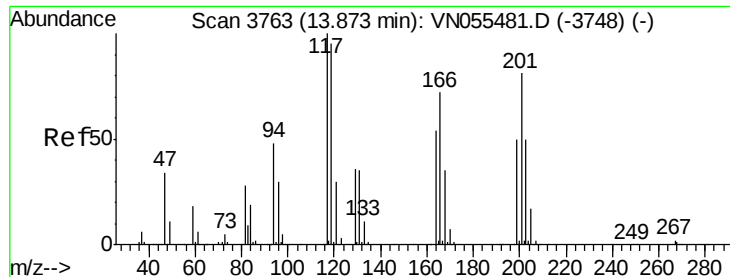
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#89
 n-Butylbenzene
 Concen: 47.340 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	24.5	11.8	35.4





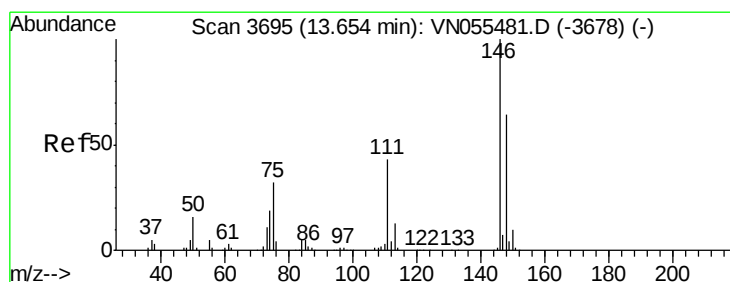
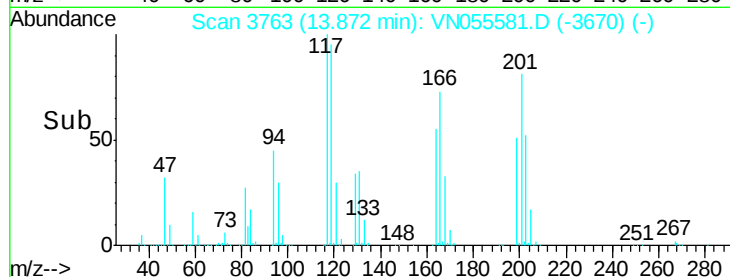
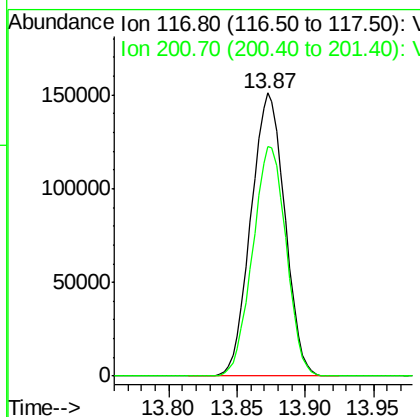
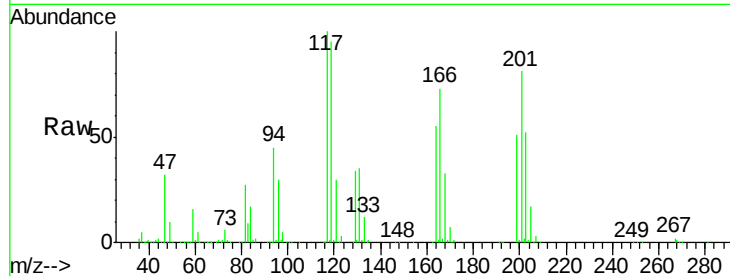
#90
Hexachloroethane
Concen: 43.223 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
KR-02_4-14

Tot Ion:117 Resp: 260679
Ion Ratio Lower Upper
117 100
201 80.1 40.1 120.2

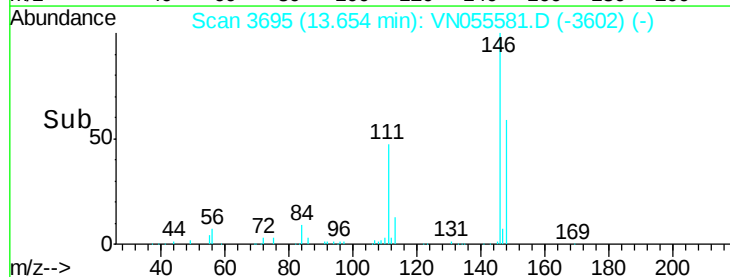
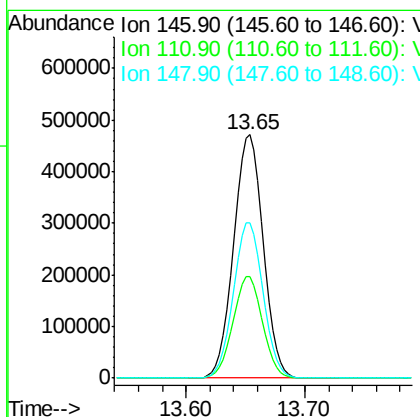
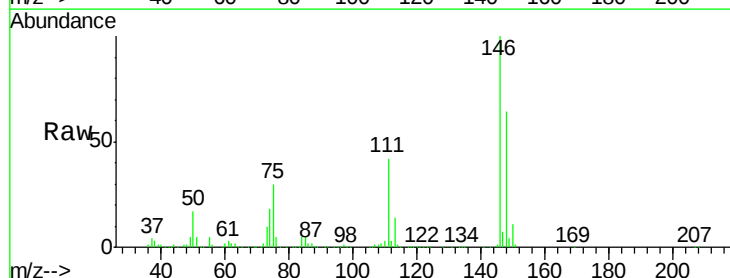
Manual Integrations
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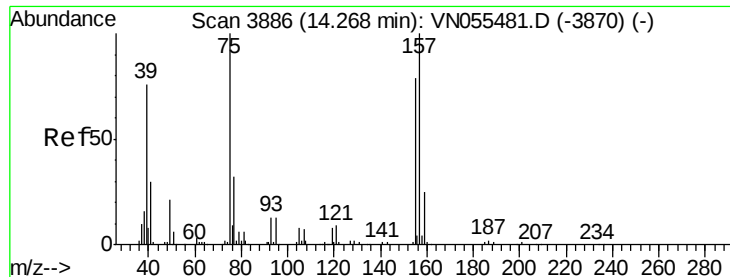
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#91
1,2-Dichlorobenzene
Concen: 47.868 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN055581.D
Acq: 13 May 2019 17:51

Tgt Ion:146 Resp: 812376
Ion Ratio Lower Upper
146 100
111 41.6 21.3 63.7
148 64.0 31.9 95.9





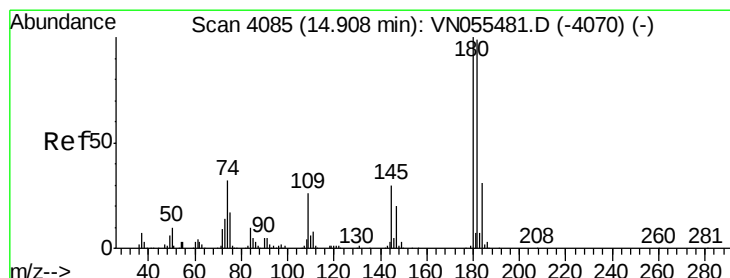
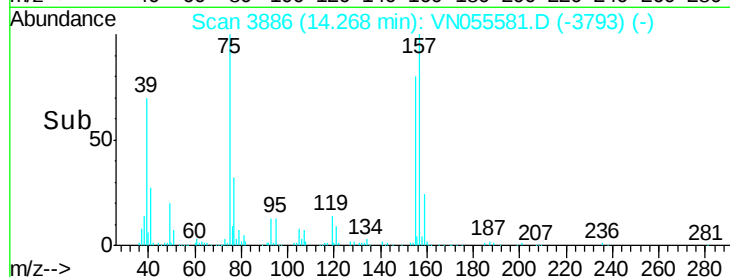
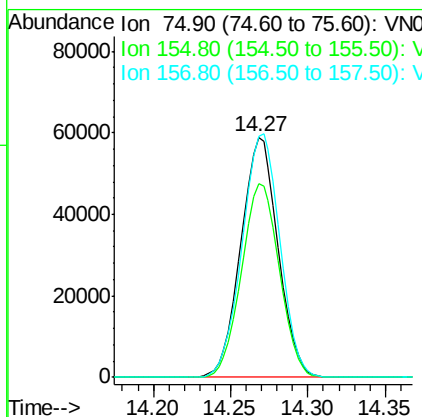
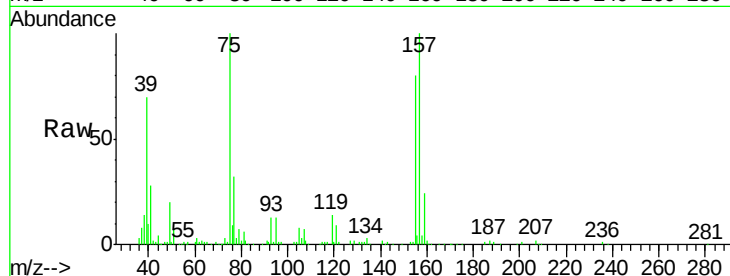
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.010 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02 4-14

Tot Ion	Ratio	Lower	Upper
75	100		
155	81.9	39.3	117.8
157	103.1	50.6	151.8

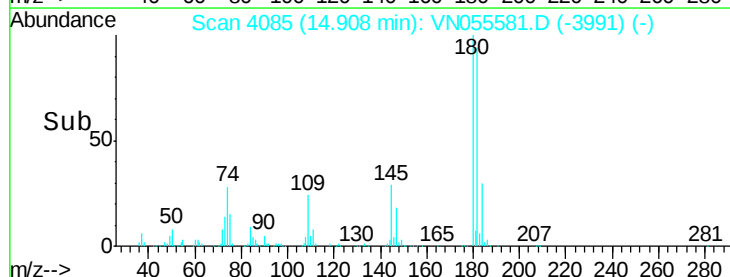
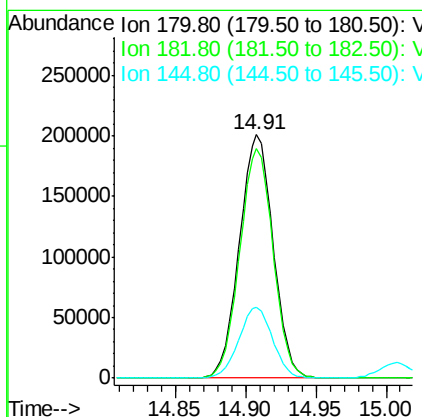
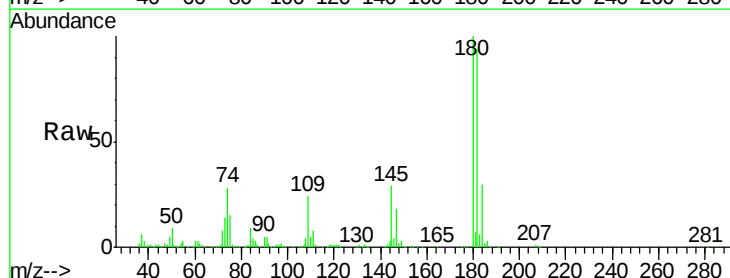
Manual Integrations
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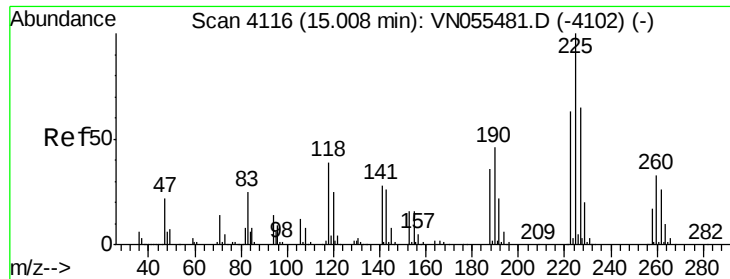
MMDadoda
 5/14/2019 9:42:58 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 45.848 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.7	146.1
145	28.9	15.3	45.9





#94

Hexachlorobutadiene

Concen: 48.123 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055581.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_N

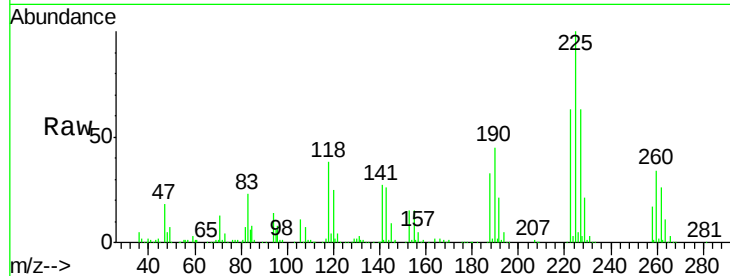
ClientSampleId :

KR-02 4-14

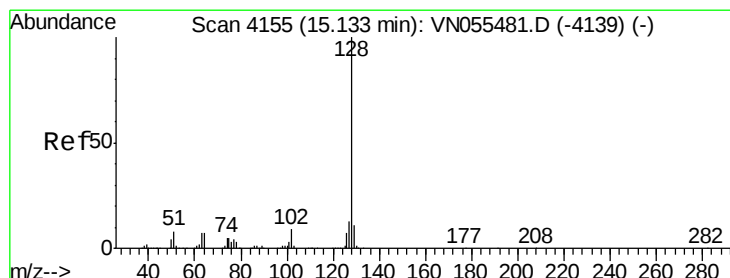
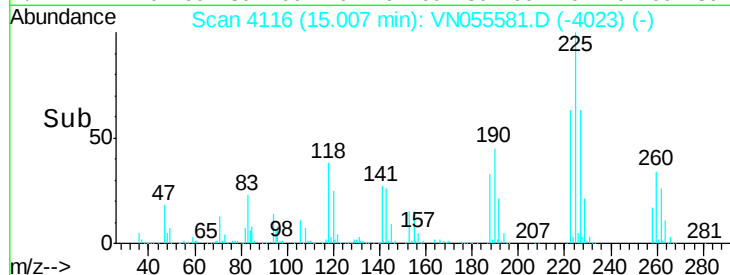
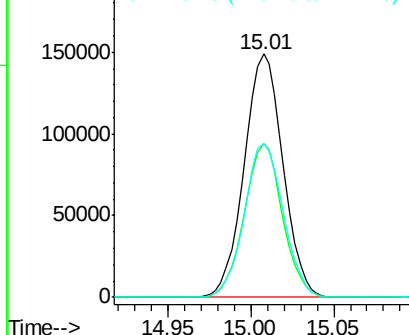
Tot Ion	Ratio	Resp	Lower	Upper
225	100	242123		
223	62.0	31.4	94.3	
227	63.9	32.0	96.0	

Manual Integrations
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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: 41.796 ug/l

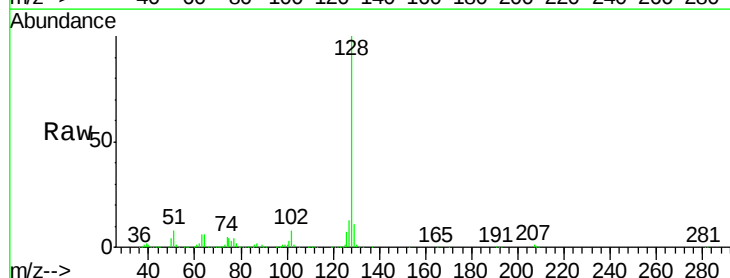
RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

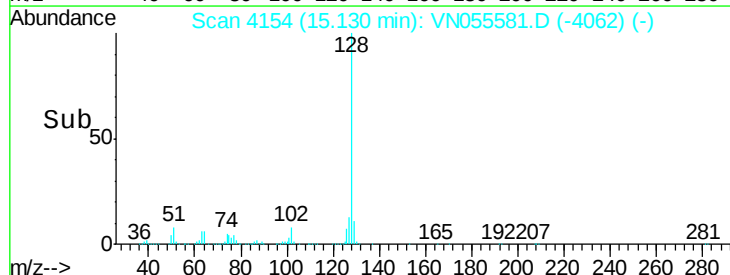
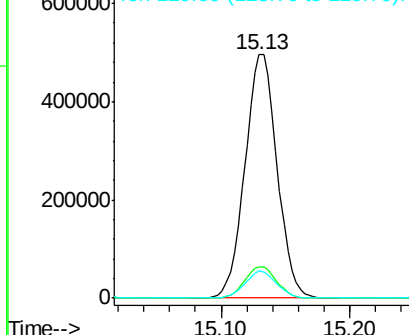
Lab File: VN055581.D

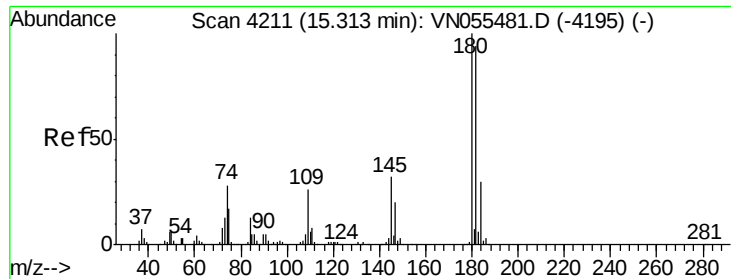
Acq: 13 May 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	858313		
127	13.1	10.0	15.0	
129	10.9	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: 44.503 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN055581.D
 Acq: 13 May 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02 4-14

Tot Ion:	180	Resp:	353859
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.1	141.3
145	31.6	15.8	47.4

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:42:58 AM

