

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061325.D
 Acq On : 7 May 2020 11:40
 Operator : JC/MD
 Sample : VN0507WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 1:18:14 PM

Quant Time: May 08 08:58:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	99206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	168810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	156074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	72015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	82376	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
35) Dibromofluoromethane	7.54	113	50948	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.06	98	211625	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.37	95	76732	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	18619	17.699	ug/l	99
3) Chloromethane	2.03	50	25068	19.675	ug/l	100
4) Vinyl Chloride	2.16	62	28265	19.532	ug/l	98
5) Bromomethane	2.54	94	12135	16.964	ug/l	97
6) Chloroethane	2.67	64	17117	18.661	ug/l	95
7) Trichlorofluoromethane	2.98	101	35682	21.855	ug/l	100
8) Diethyl Ether	3.37	74	13646	20.038	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	21092	20.053	ug/l	99
10) Methyl Iodide	3.91	142	21729	16.075	ug/l	99
11) Tert butyl alcohol	4.73	59	19675	93.566	ug/l	97
12) 1,1-Dichloroethene	3.69	96	19596	18.722	ug/l	96
13) Acrolein	3.56	56	16107	114.942	ug/l	97
14) Allyl chloride	4.27	41	42005	21.643	ug/l	99
15) Acrylonitrile	4.92	53	61486	95.253	ug/l	98
16) Acetone	3.77	43	58980	93.697	ug/l	100
17) Carbon Disulfide	4.00	76	49320	17.058	ug/l	97
18) Methyl Acetate	4.27	43	33901	17.555	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	75573	18.895	ug/l	99
20) Methylene Chloride	4.50	84	23240	18.987	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	21604	18.955	ug/l	98
22) Diisopropyl ether	5.90	45	87499	19.442	ug/l	97
23) Vinyl Acetate	5.84	43	342201	94.434	ug/l	100
24) 1,1-Dichloroethane	5.79	63	45923	19.530	ug/l	98
25) 2-Butanone	6.78	43	86292	92.900	ug/l	100
26) 2,2-Dichloropropane	6.77	77	40790	20.595	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	25342	18.947	ug/l	98
28) Bromochloromethane	7.15	49	23345	20.946	ug/l	97
29) Tetrahydrofuran	7.16	42	56408	90.151	ug/l	99
30) Chloroform	7.33	83	45807	19.223	ug/l	100
31) Cyclohexane	7.61	56	38996	17.077	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	39160	18.872	ug/l	99
36) 1,1-Dichloropropene	7.75	75	32150	19.025	ug/l	99
37) Ethyl Acetate	6.88	43	36629	18.489	ug/l	99
38) Carbon Tetrachloride	7.73	117	28507	19.930	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	30948	16.330	ug/l	98
40) Benzene	8.00	78	95224	18.914	ug/l	100
41) Methacrylonitrile	7.12	41	14998	18.234	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	38595	20.236	ug/l	99
43) Isopropyl Acetate	8.12	43	61441	18.687	ug/l #	91
44) Trichloroethene	8.80	130	24518	18.015	ug/l	100
45) 1,2-Dichloropropane	9.08	63	25917	19.269	ug/l	97
46) Dibromomethane	9.17	93	16410	19.705	ug/l	98
47) Bromodichloromethane	9.37	83	35252	19.721	ug/l	96
48) Methyl methacrylate	9.17	41	27363	18.443	ug/l	97
49) 1,4-Dioxane	9.17	88	6393	379.605	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	183586	94.863	ug/l	99
52) Toluene	10.12	92	58172	19.183	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	38321	19.026	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	40862	19.190	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	23557	19.476	ug/l	97
56) Ethyl methacrylate	10.40	69	33940	17.951	ug/l	96
57) 1,3-Dichloropropane	10.68	76	41258	19.406	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	91824	93.787	ug/l	98
59) 2-Hexanone	10.72	43	128907	91.557	ug/l	100
60) Dibromochloromethane	10.87	129	24372	19.239	ug/l	98
61) 1,2-Dibromoethane	10.98	107	22947	18.928	ug/l	98
64) Tetrachloroethene	10.60	164	23285	17.226	ug/l	98
65) Chlorobenzene	11.41	112	59391	19.183	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	22143	19.983	ug/l	99
67) Ethyl Benzene	11.48	91	109741	18.935	ug/l	99
68) m/p-Xylenes	11.59	106	80108	37.762	ug/l	97
69) o-Xylene	11.92	106	37338	18.323	ug/l	96
70) Styrene	11.94	104	62174	18.230	ug/l	97
71) Bromoform	12.10	173	15403	18.914	ug/l #	99
73) Isopropylbenzene	12.22	105	102842	19.426	ug/l	99
74) N-amyl acetate	12.04	43	49556	18.485	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	33535	20.314	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	29987m	19.751	ug/l	
77) Bromobenzene	12.50	156	24185	19.789	ug/l	97
78) n-propylbenzene	12.57	91	123915	19.733	ug/l	100
79) 2-Chlorotoluene	12.65	91	73452	19.901	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	86273	19.689	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	11331	18.952	ug/l	96
82) 4-Chlorotoluene	12.75	91	78083	20.072	ug/l	97
83) tert-Butylbenzene	12.97	119	70160	18.989	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	86911	19.252	ug/l	99
85) sec-Butylbenzene	13.15	105	93991	18.659	ug/l	99
86) p-Isopropyltoluene	13.26	119	84188	18.550	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	43544	19.354	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	43562	18.950	ug/l	96
89) n-Butylbenzene	13.59	91	75120	18.055	ug/l	98
90) Hexachloroethane	13.85	117	10914	27.164	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	42588	19.742	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6776	19.435	ug/l	93

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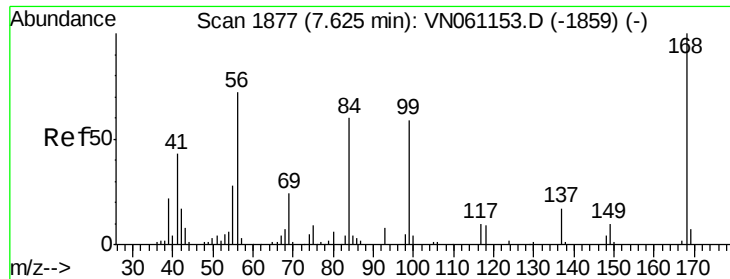
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	22942	17.464	ug/l	97
94) Hexachlorobutadiene	14.98	225	11347	20.676	ug/l	98
95) Naphthalene	15.11	128	69419	16.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	22666	17.476	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion:168 Resp: 99206

Ion Ratio Lower Upper

168 100

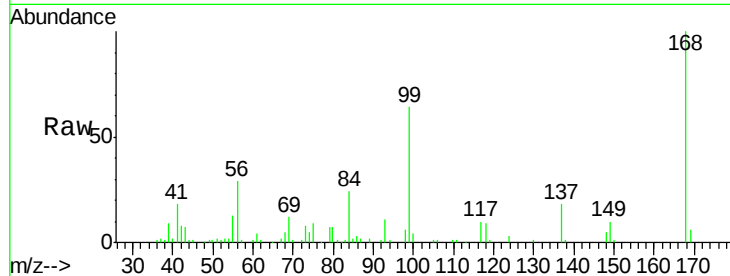
99 63.6 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

40000

30000

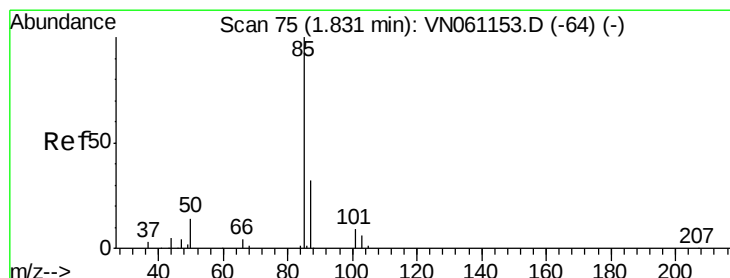
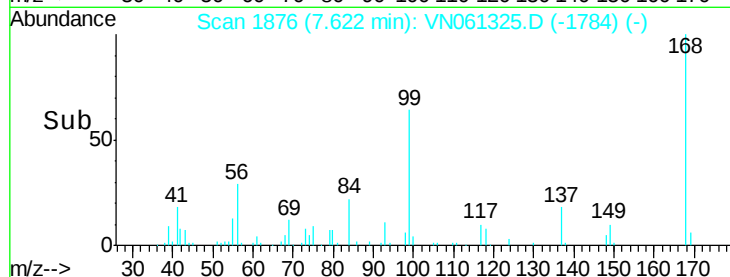
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.699 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061325.D

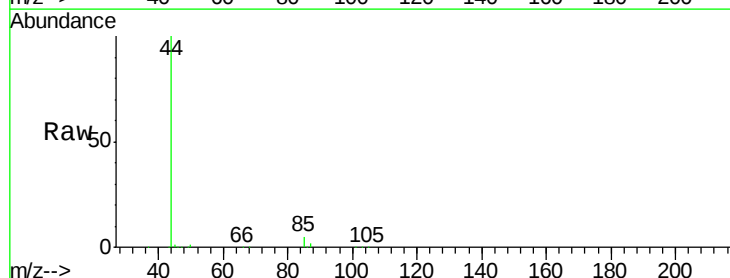
Acq: 7 May 2020 11:40

Tgt Ion: 85 Resp: 18619

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

15000

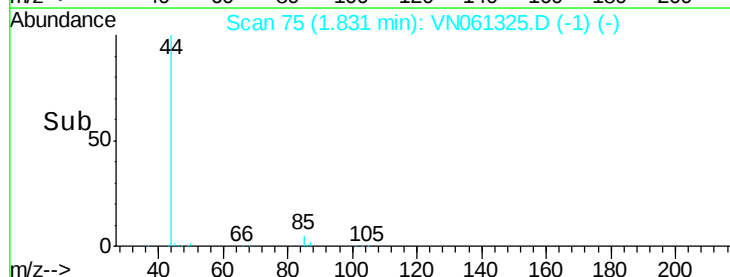
10000

5000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 19.675 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion: 50 Resp: 25068

Ion Ratio Lower Upper

50 100

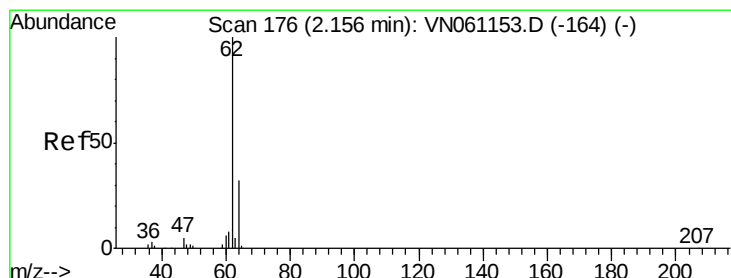
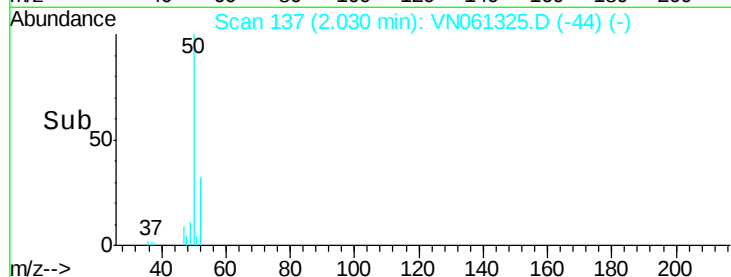
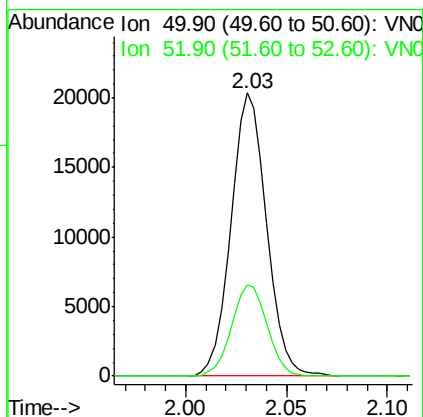
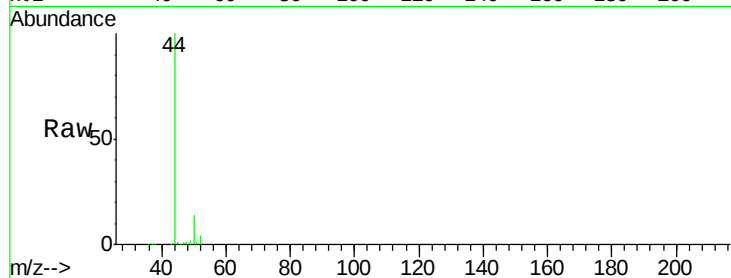
52 32.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.532 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061325.D

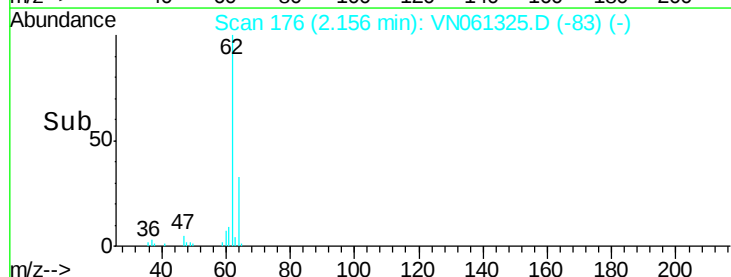
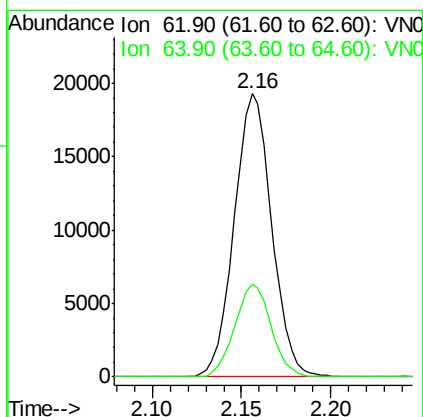
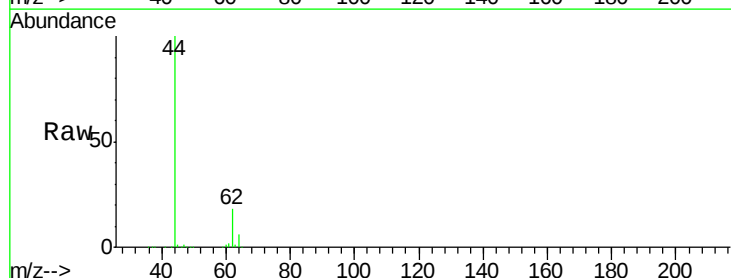
Acq: 7 May 2020 11:40

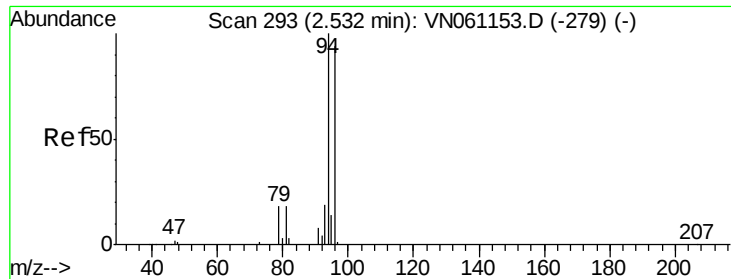
Tgt Ion: 62 Resp: 28265

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8





#5

Bromomethane

Concen: 16.964 ug/l

RT: 2.54 min Scan# 294

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

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Tot Ion: 94 Resp: 12135

Ion Ratio Lower Upper

94 100

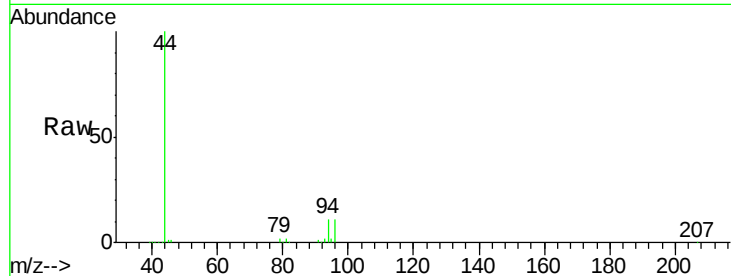
96 96.9 75.1 112.7

Manual Integrations

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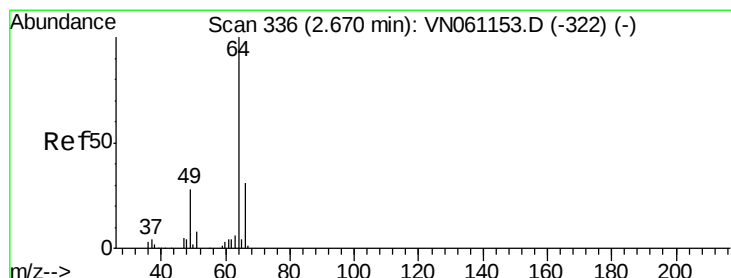
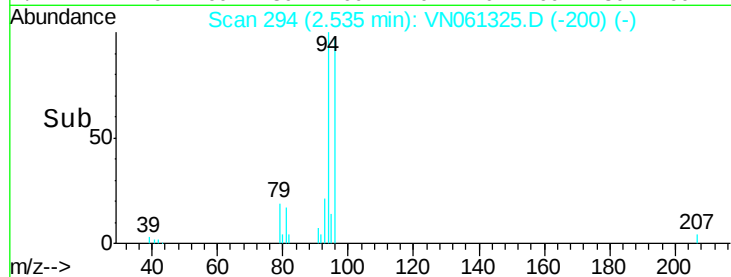
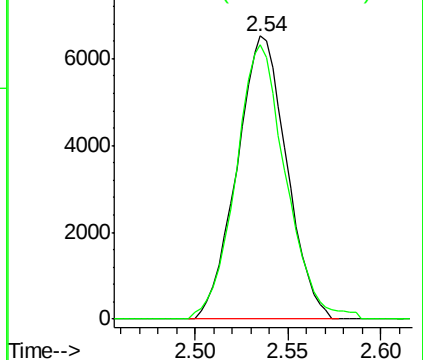
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.661 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061325.D

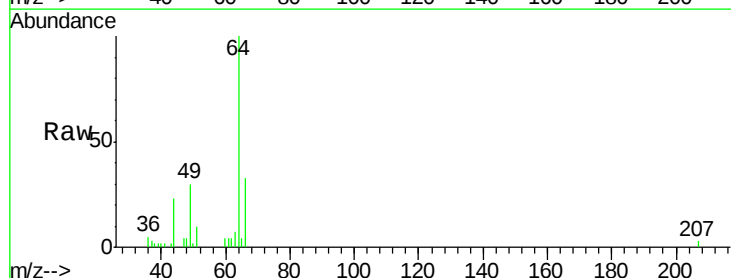
Acq: 7 May 2020 11:40

Tgt Ion: 64 Resp: 17117

Ion Ratio Lower Upper

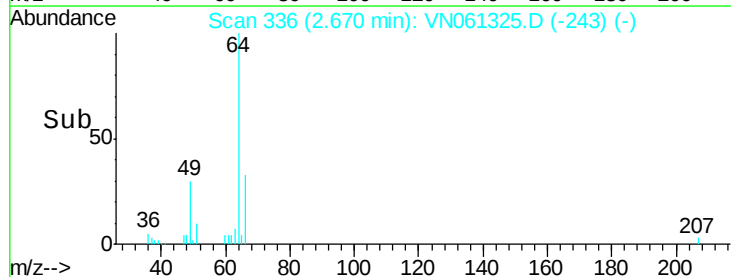
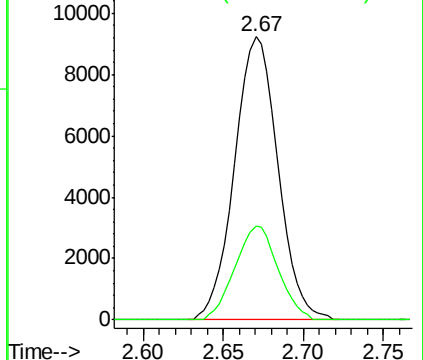
64 100

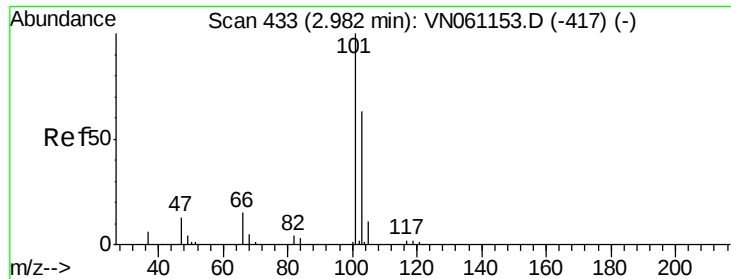
66 33.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

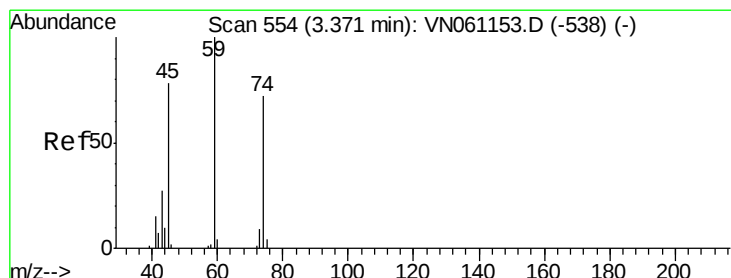
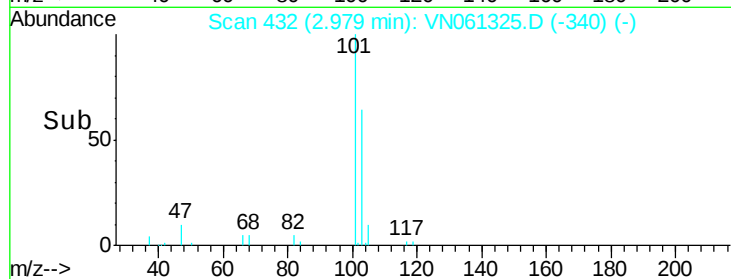
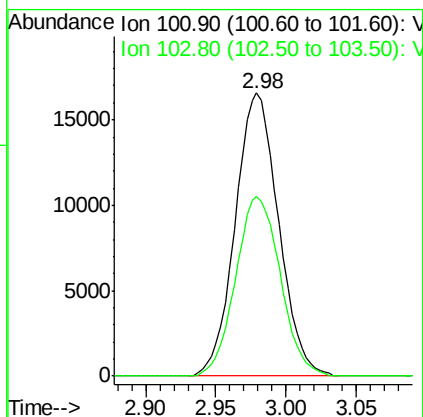
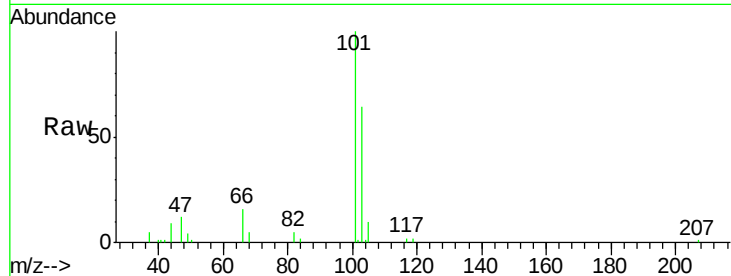
Trichlorofluoromethane
 Concen: 21.855 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061325.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.6	76.0

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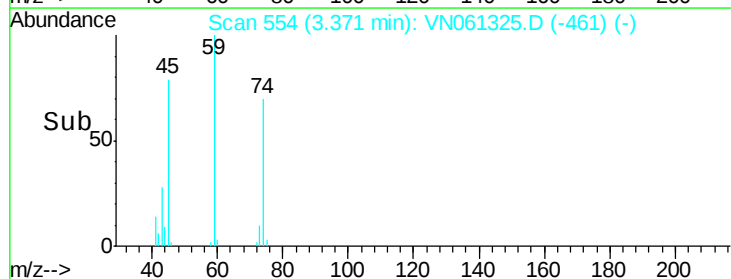
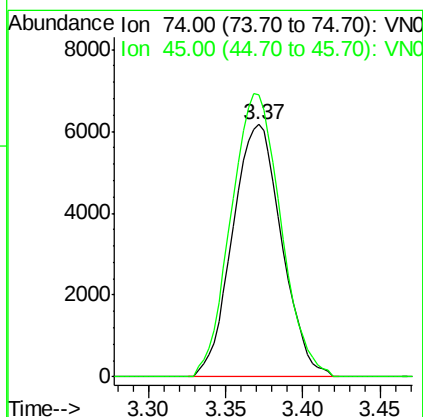
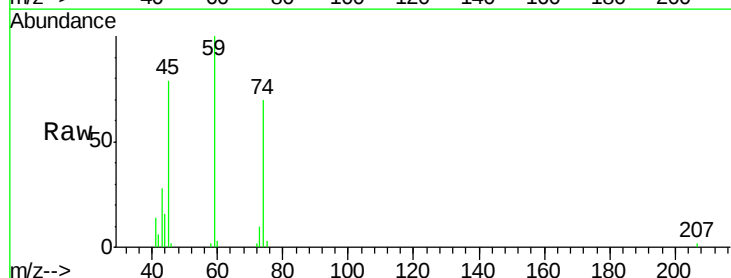
MMDadoda
 5/8/2020 1:18:14 PM

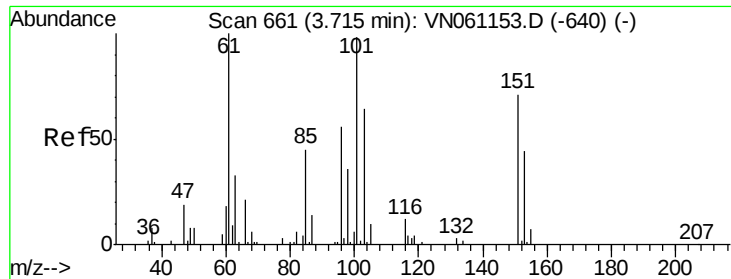


#8

Diethyl Ether
 Concen: 20.038 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.4	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.053 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

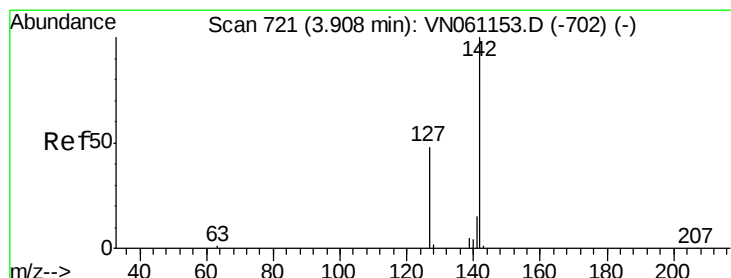
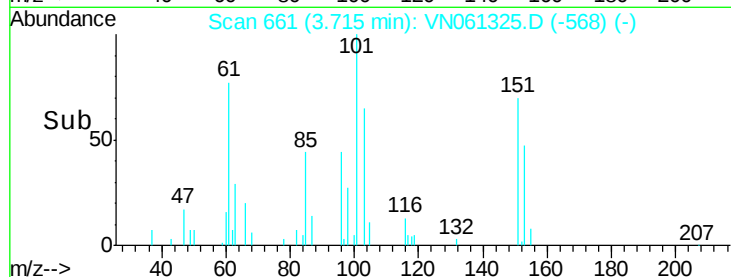
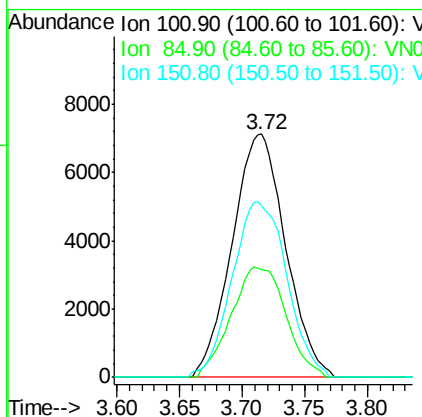
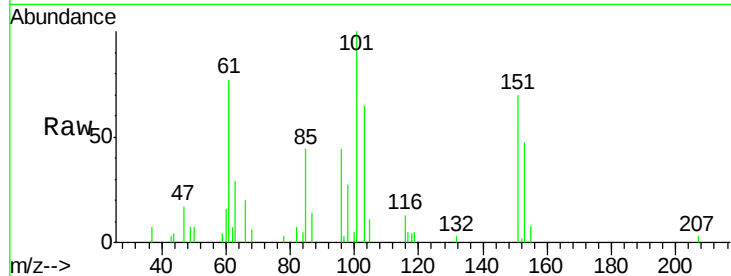
ClientSampleId :

VN0507WBS01

Tot Ion:	101	Resp:	21092
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.2	55.8
151	73.8	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.075 ug/l

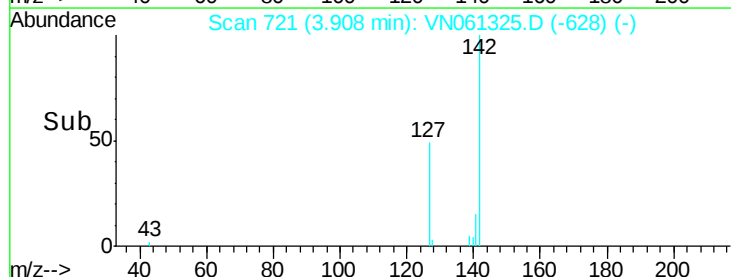
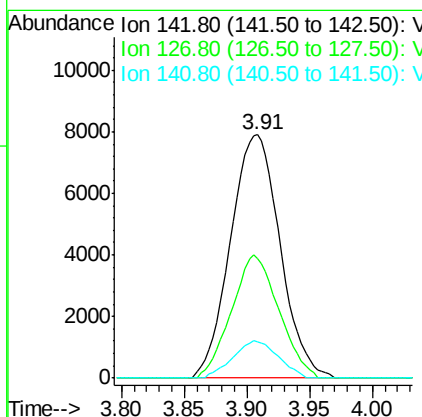
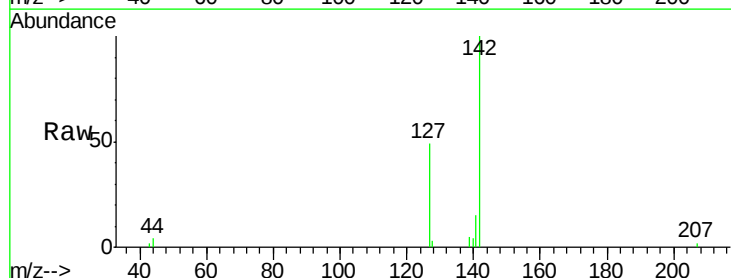
RT: 3.91 min Scan# 721

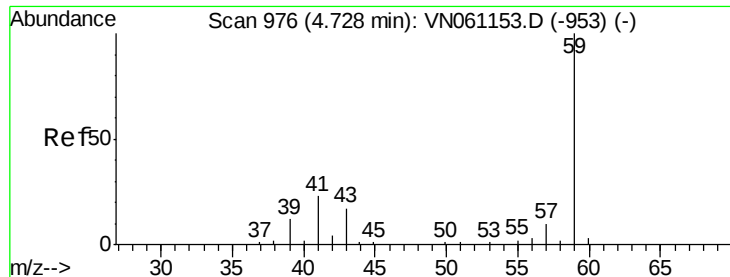
Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Tgt Ion:	142	Resp:	21729
Ion Ratio	Lower	Upper	
142	100		
127	48.2	38.0	57.0
141	14.0	11.7	17.5





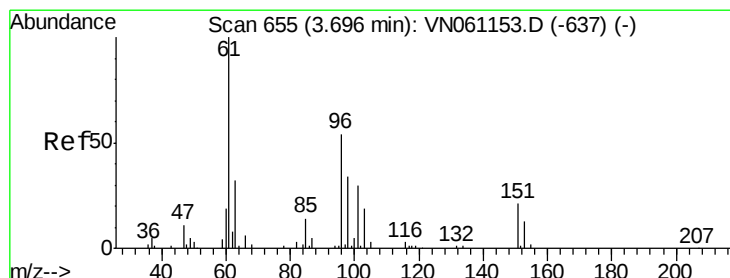
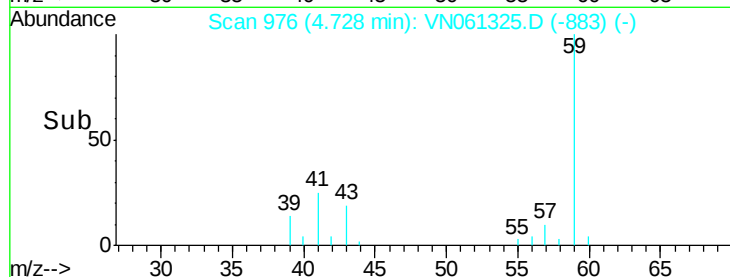
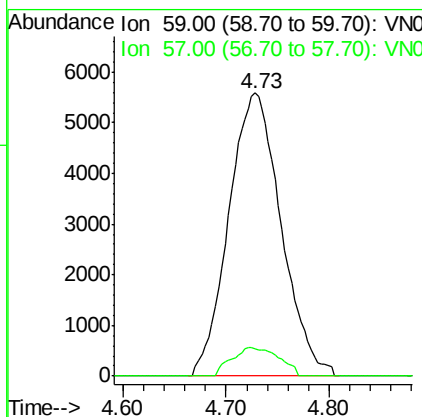
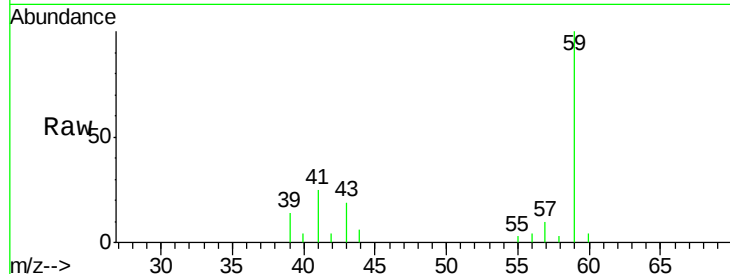
#11
Tert butyl alcohol
Concen: 93.566 ug/l
RT: 4.73 min Scan# 976
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion: 59 Resp: 19675
Ion Ratio Lower Upper
59 100
57 9.1 8.3 12.5

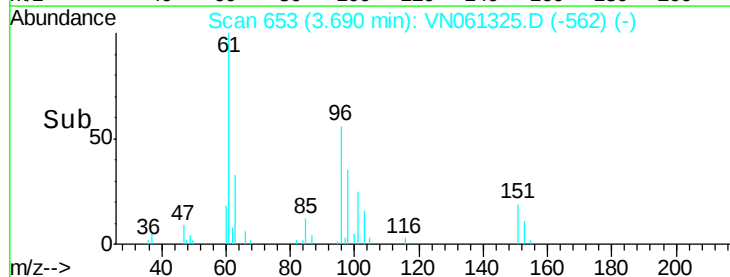
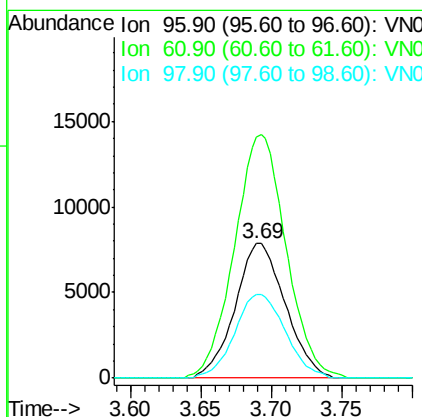
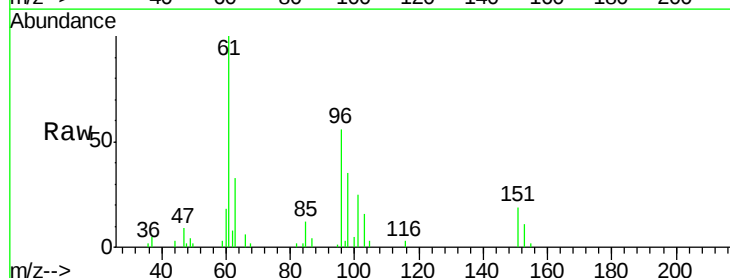
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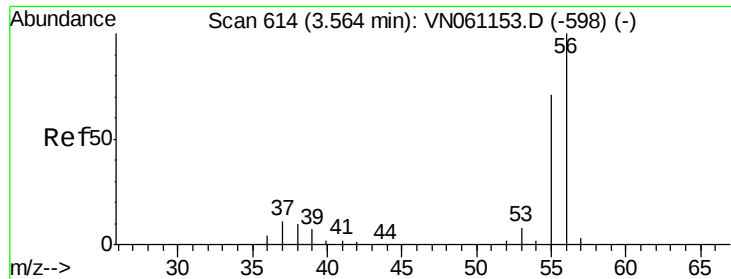
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#12
1,1-Dichloroethene
Concen: 18.722 ug/l
RT: 3.69 min Scan# 653
Delta R.T. -0.01 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion: 96 Resp: 19596
Ion Ratio Lower Upper
96 100
61 176.8 147.0 220.6
98 61.9 49.8 74.6





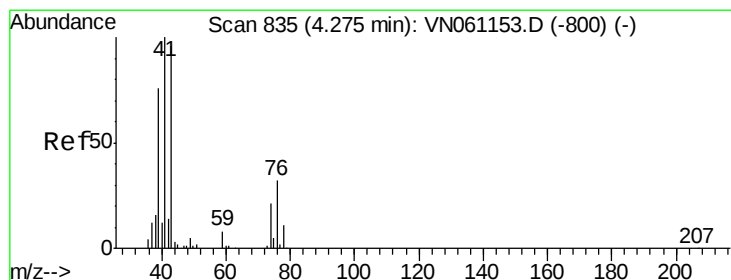
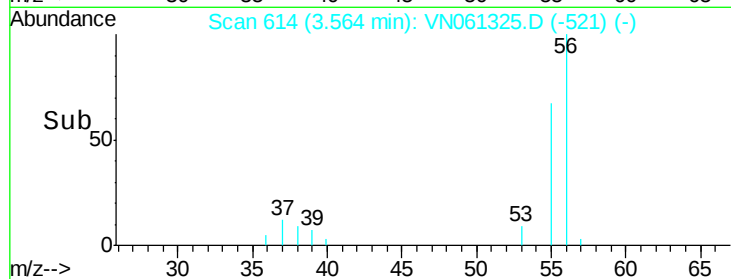
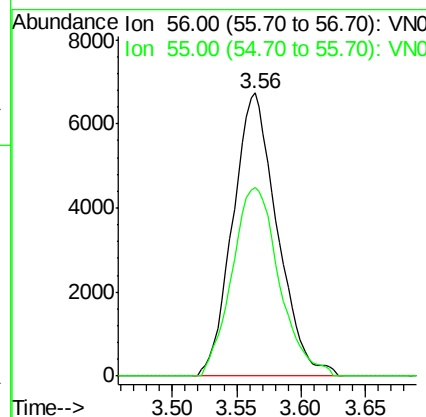
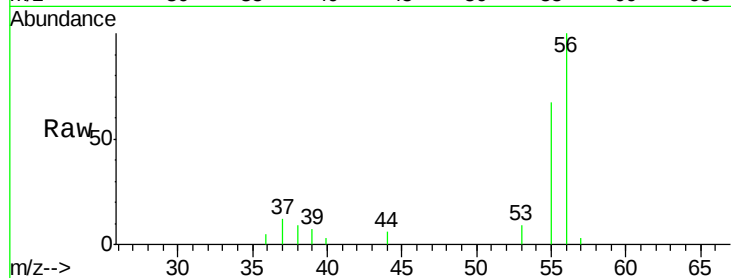
#13
Acrolein
Concen: 114.942 ug/l
RT: 3.56 min Scan# 614
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	56	Resp	16107
Ion Ratio	Lower	Upper	
56	100		
55	71.0	58.5	87.7

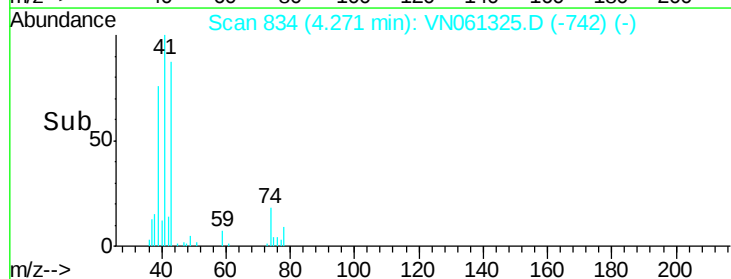
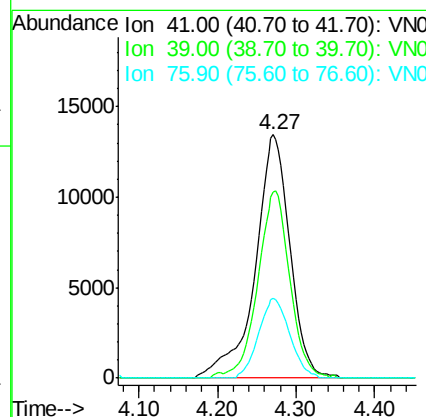
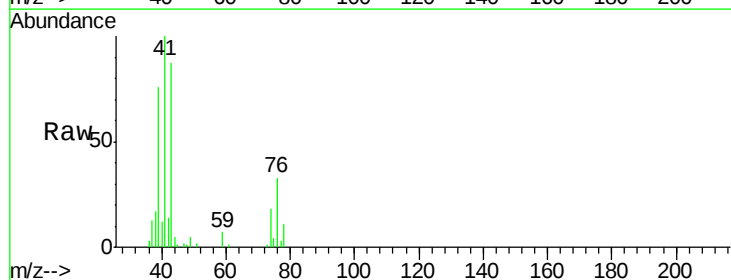
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#14
Allyl chloride
Concen: 21.643 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	41	Resp	42005
Ion Ratio	Lower	Upper	
41	100		
39	71.0	57.1	85.7
76	29.5	24.3	36.5





#15

Acrylonitrile

Concen: 95.253 ug/l

RT: 4.92 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

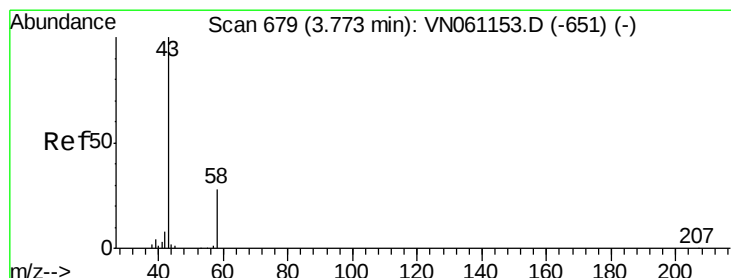
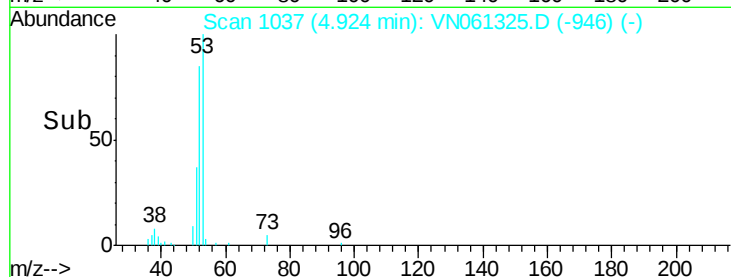
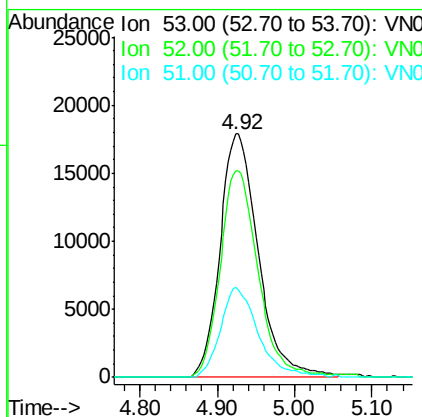
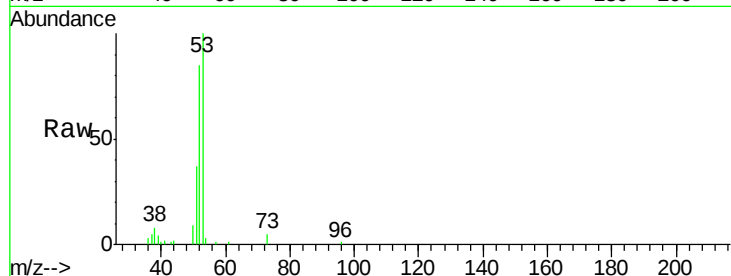
ClientSampleId :

VN0507WBS01

Tot Ion:	53	Resp:	61486
Ion Ratio		Lower	Upper
53	100		
52	83.6	65.4	98.0
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 93.697 ug/l

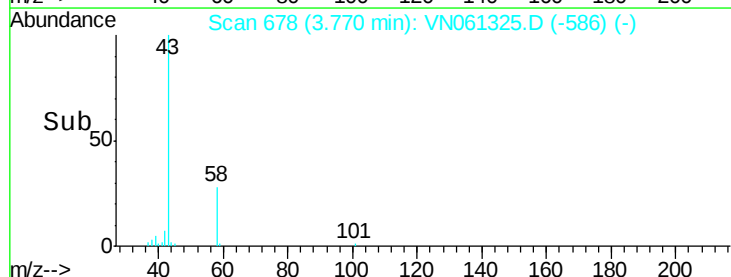
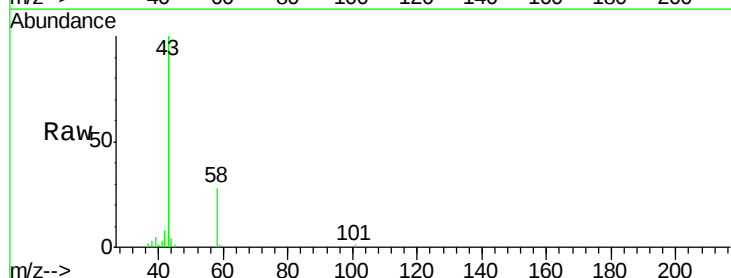
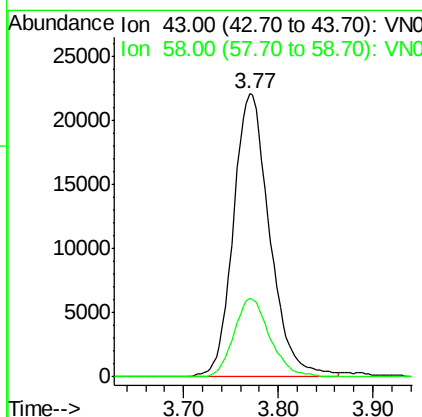
RT: 3.77 min Scan# 678

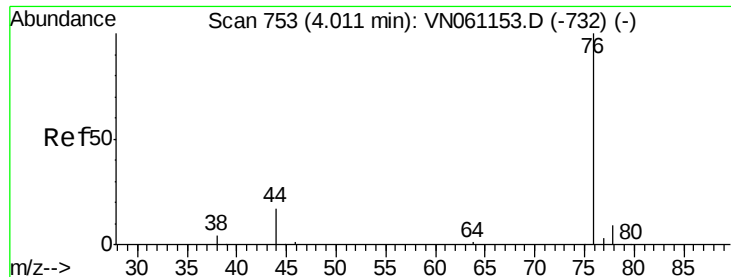
Delta R.T. -0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Tgt Ion:	43	Resp:	58980
Ion Ratio		Lower	Upper
43	100		
58	27.6	22.2	33.2





#17

Carbon Disulfide

Concen: 17.058 ug/l

RT: 4.00 min Scan# 751

Delta R.T. -0.01 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion: 76 Resp: 49320

Ion Ratio Lower Upper

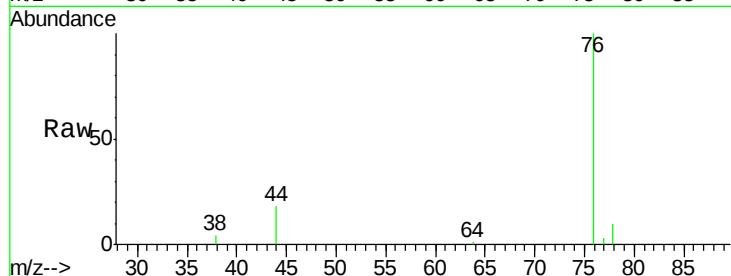
76 100

78 9.9 7.2 10.8

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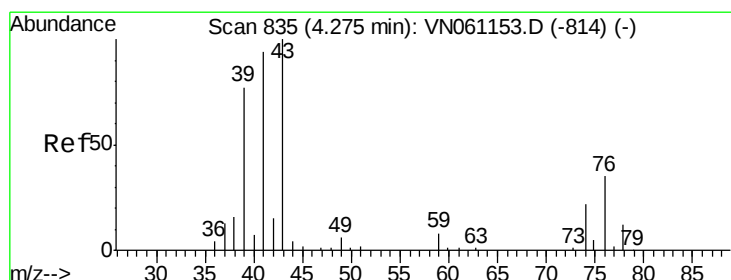
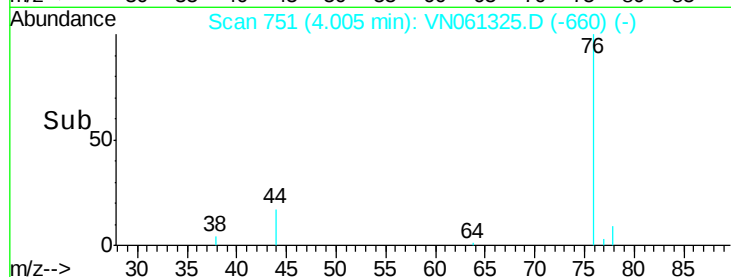
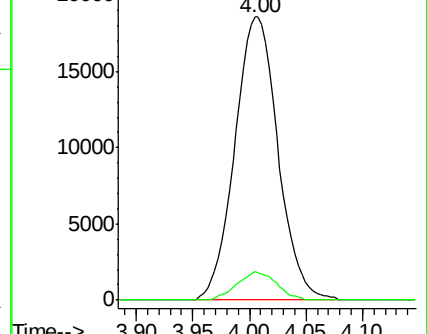
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 17.555 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061325.D

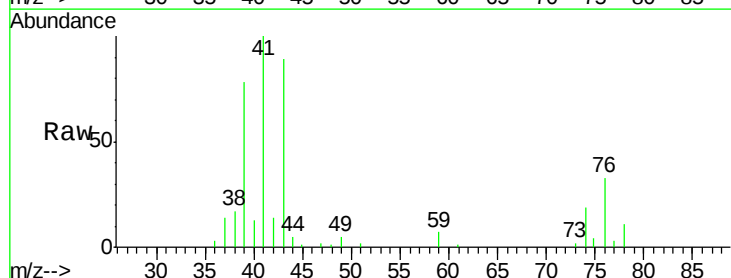
Acq: 7 May 2020 11:40

Tgt Ion: 43 Resp: 33901

Ion Ratio Lower Upper

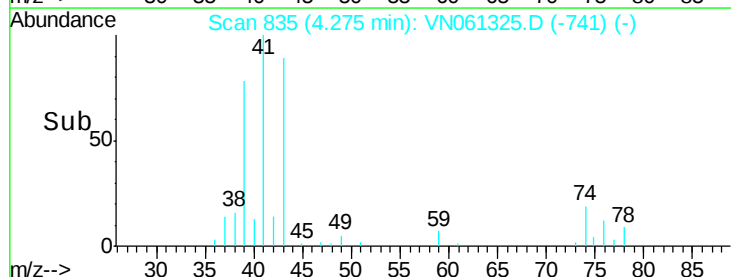
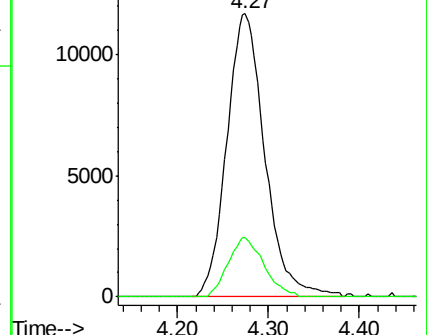
43 100

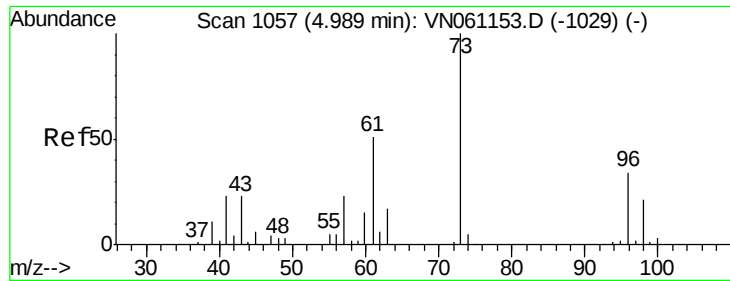
74 19.7 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





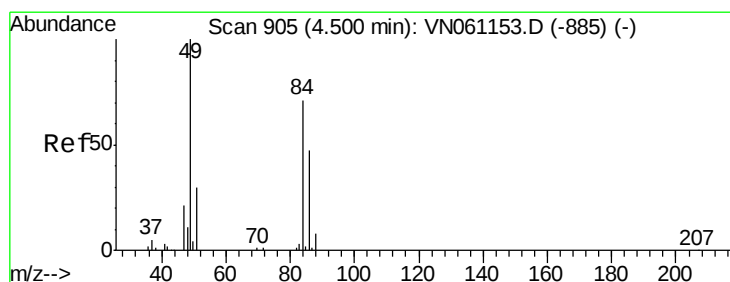
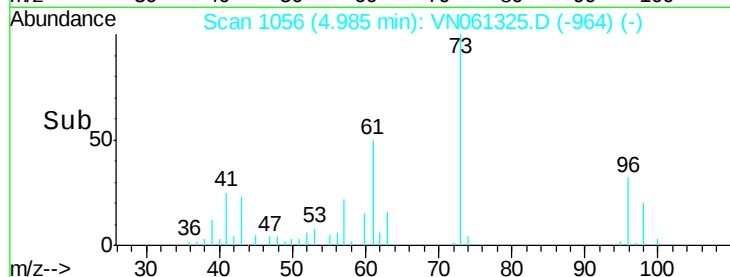
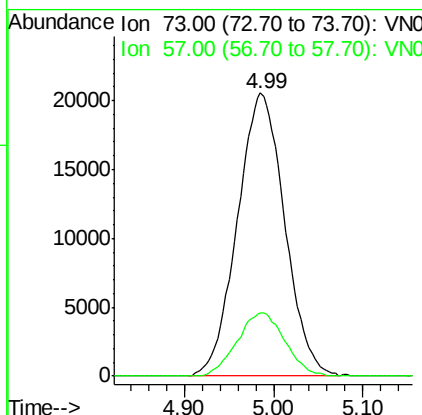
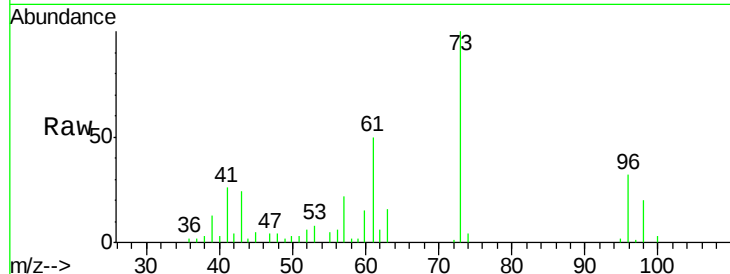
#19
Methvl tert-butvl Ether
Concen: 18.895 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion: 73 Resp: 75573
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

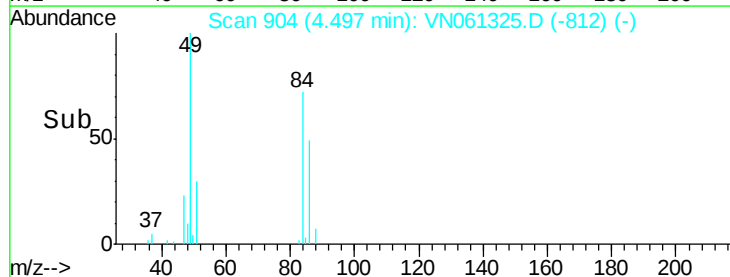
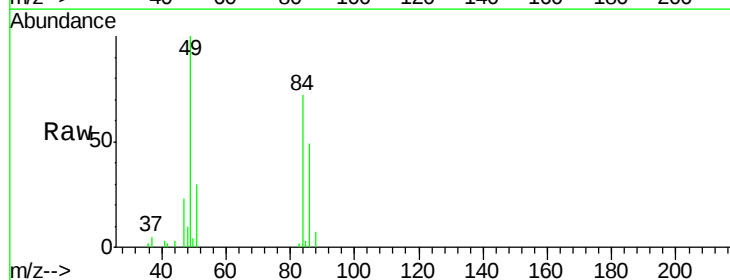
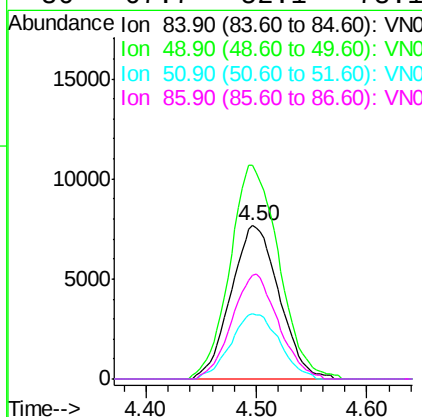
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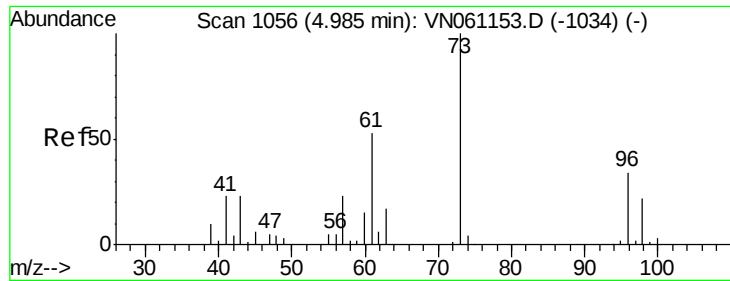
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#20
Methylene Chloride
Concen: 18.987 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion: 84 Resp: 23240
Ion Ratio Lower Upper
84 100
49 139.2 112.0 168.0
51 42.2 33.6 50.4
86 67.7 52.1 78.1





#21

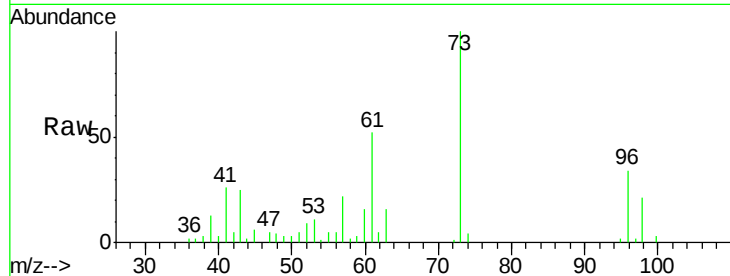
trans-1,2-Dichloroethene
Concen: 18.955 ug/l
RT: 4.98 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0507WBS01

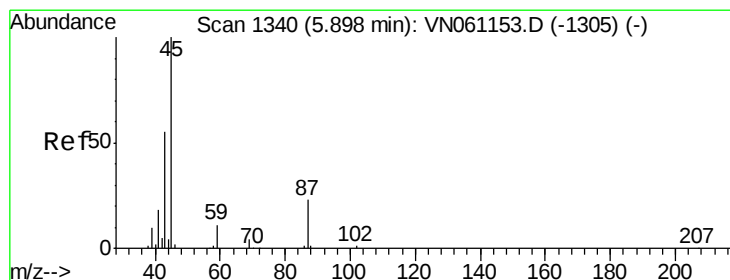
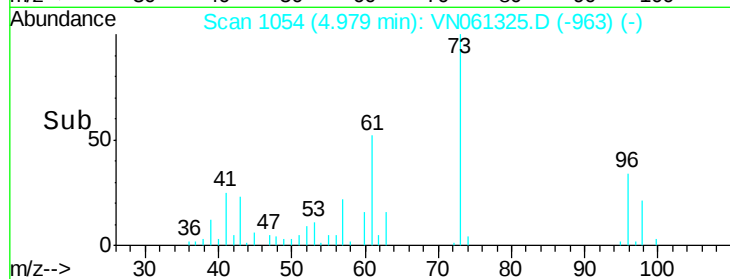
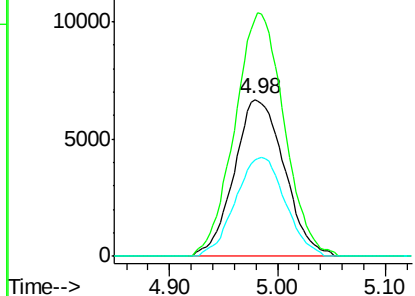
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.1	123.0	184.4
98	61.6	50.1	75.1

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

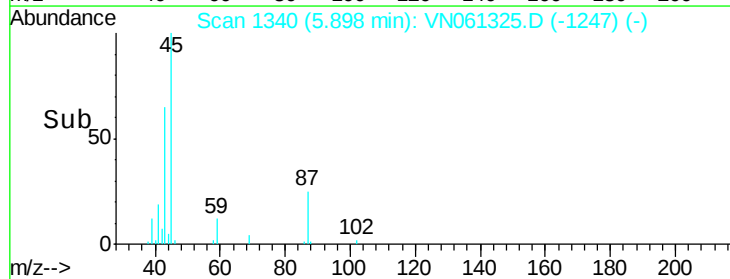
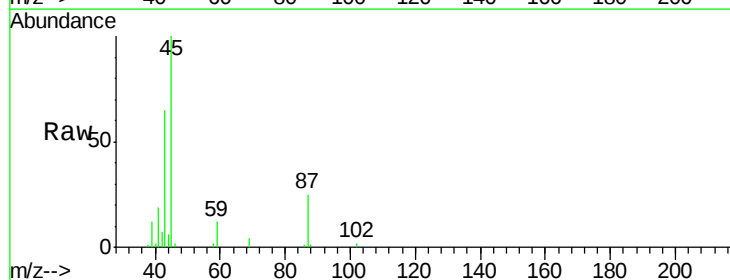
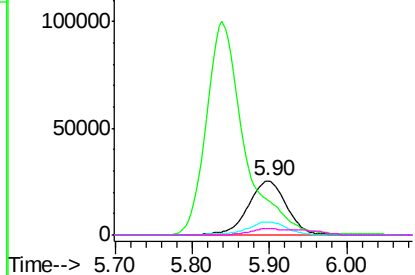


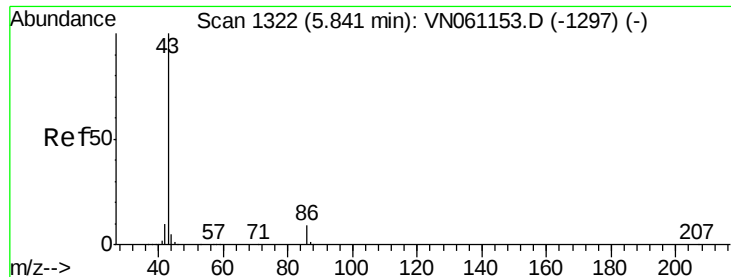
#22

Diisopropyl ether
Concen: 19.442 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	47.9	71.9
87	24.6	19.2	28.8
59	11.9	9.0	13.4

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 94.434 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion: 43 Resp: 342201

Ion Ratio Lower Upper

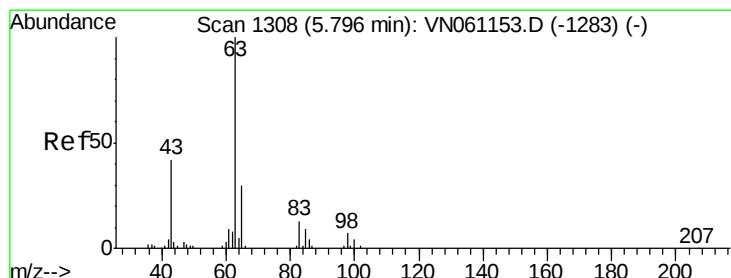
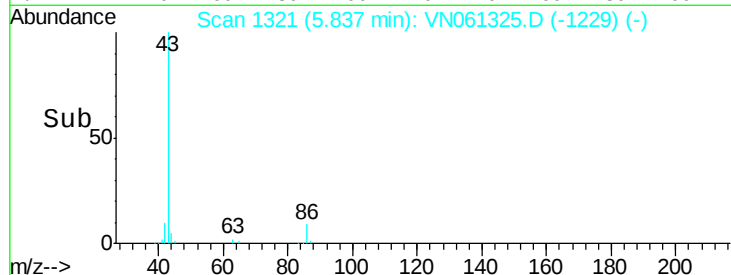
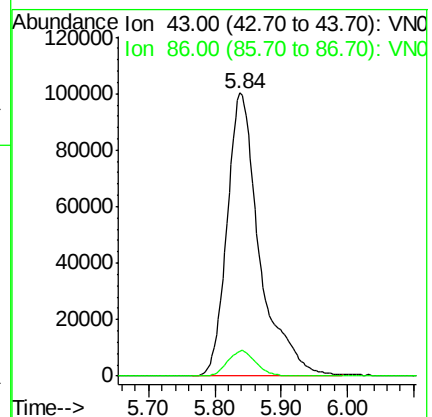
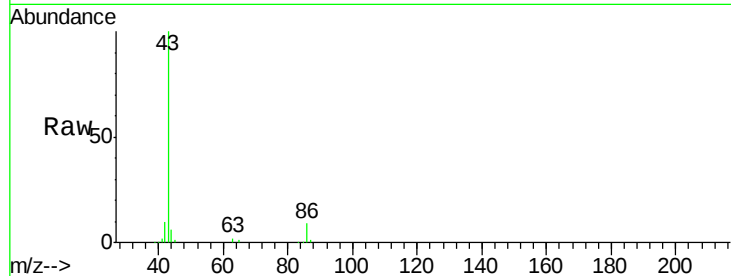
43 100

86 8.9 7.2 10.8

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#24

1,1-Dichloroethane

Concen: 19.530 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

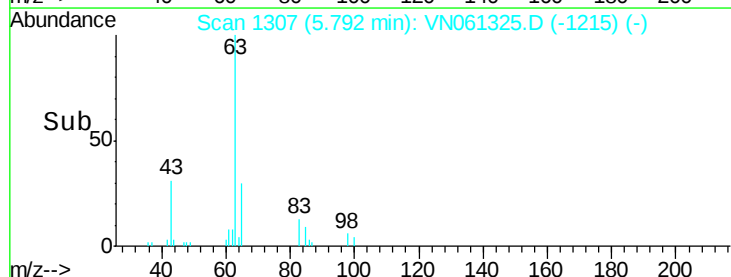
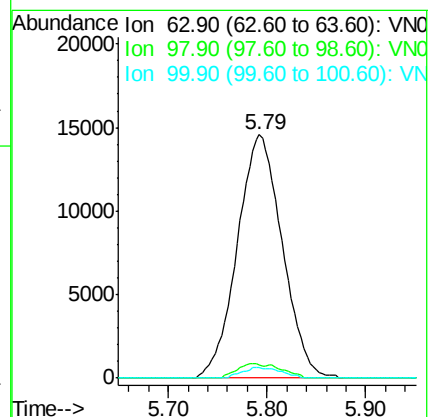
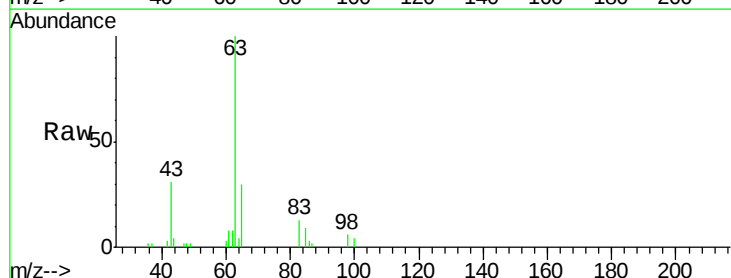
Tgt Ion: 63 Resp: 45923

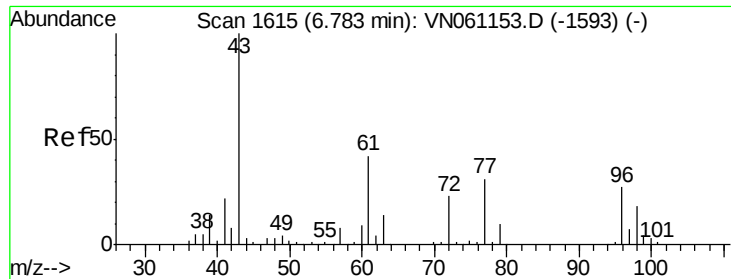
Ion Ratio Lower Upper

63 100

98 5.5 3.3 9.9

100 4.3 1.9 5.7





#25

2-Butanone

Concen: 92.900 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion: 43 Resp: 86292

Ion Ratio Lower Upper

43 100

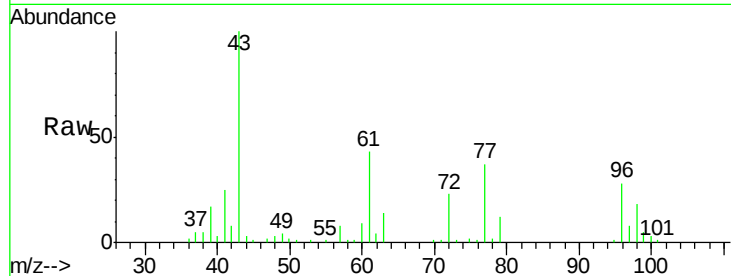
72 22.6 18.2 27.4

Manual Integrations

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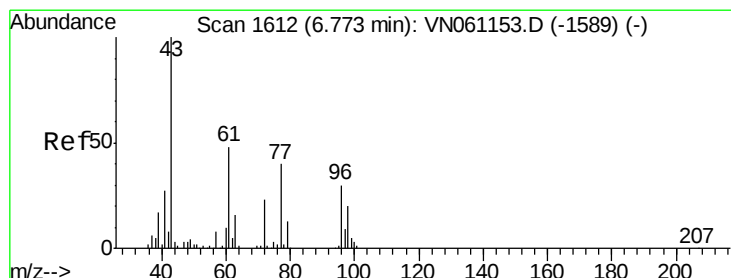
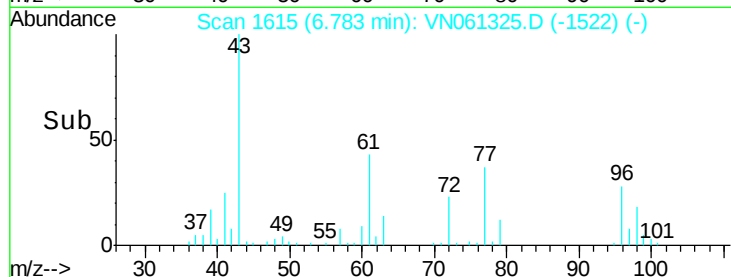
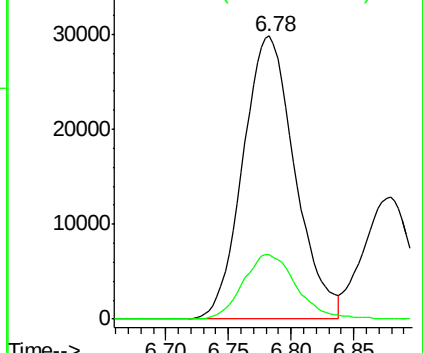
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.595 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VN061325.D

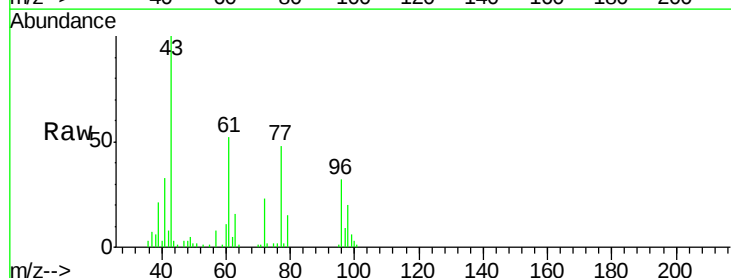
Acq: 7 May 2020 11:40

Tgt Ion: 77 Resp: 40790

Ion Ratio Lower Upper

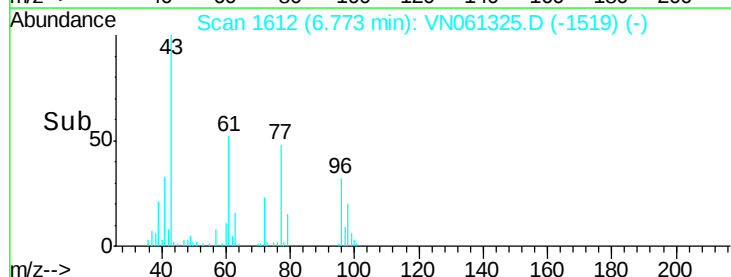
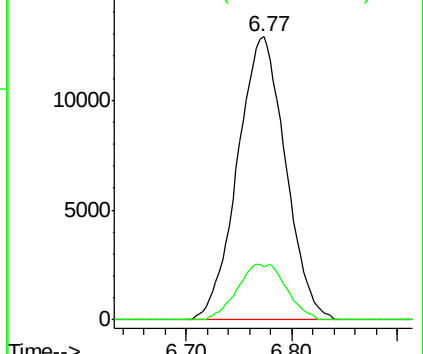
77 100

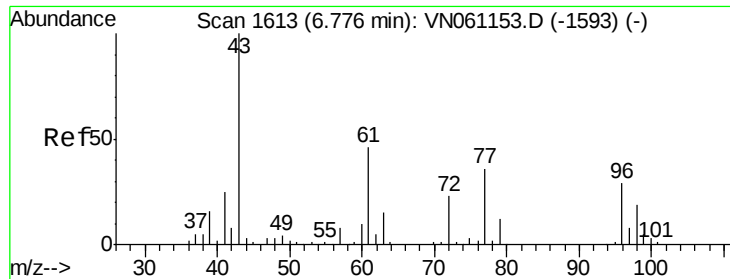
97 20.0 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





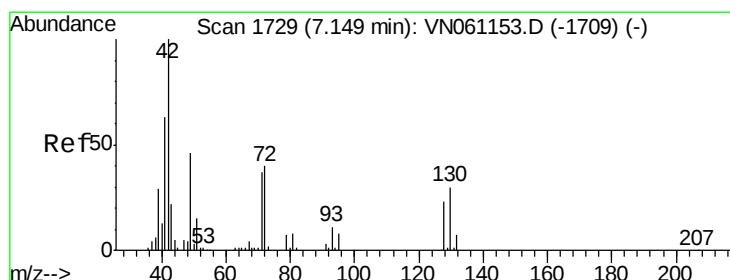
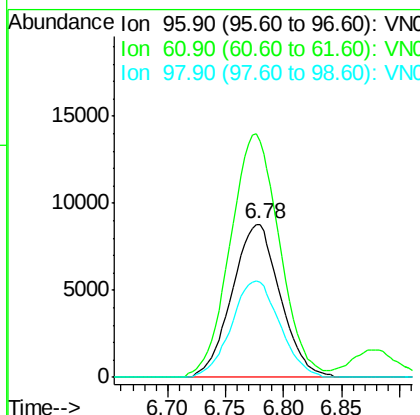
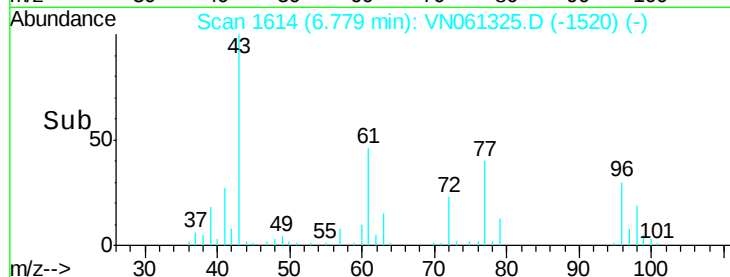
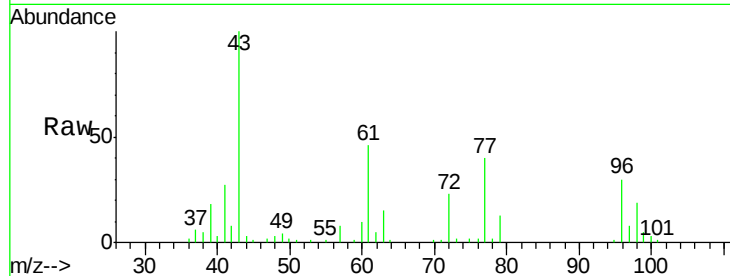
#27
 cis-1,2-Dichloroethene
 Concen: 18.947 ug/l
 RT: 6.78 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.9	0.0	322.0	
98	63.3	0.0	129.6	

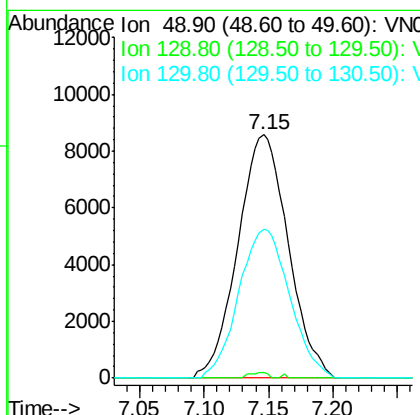
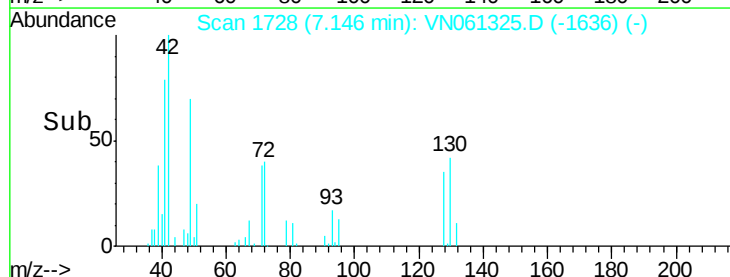
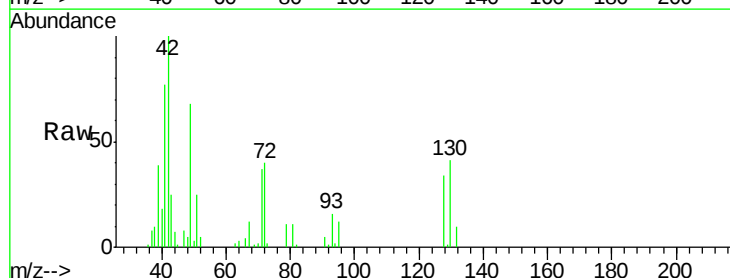
Manual Integrations
 APPROVED

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 5/8/2020 1:18:14 PM



#28
 Bromochloromethane
 Concen: 20.946 ug/l
 RT: 7.15 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.8	0.0	3.0	
130	61.7	51.4	77.2	





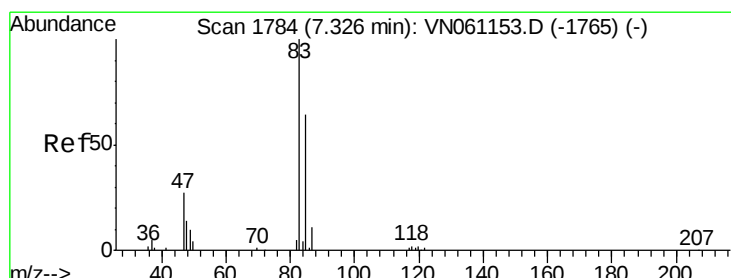
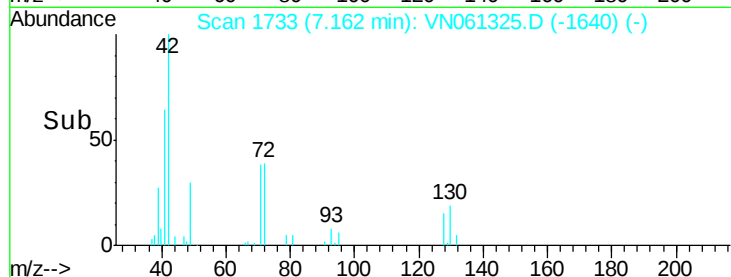
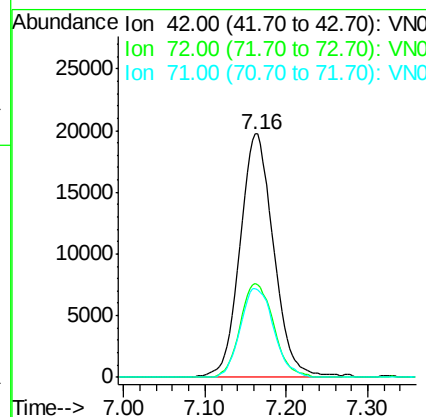
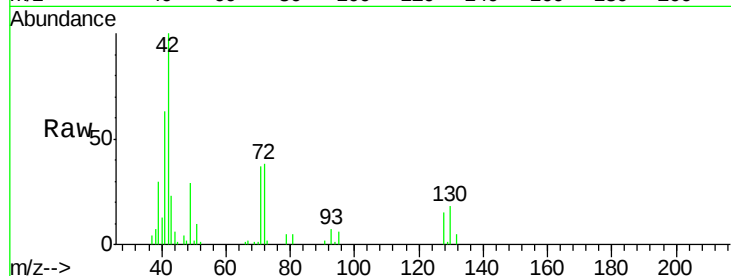
#29
Tetrahydrofuran
Concen: 90.151 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.4	47.0
71	36.1	29.5	44.3

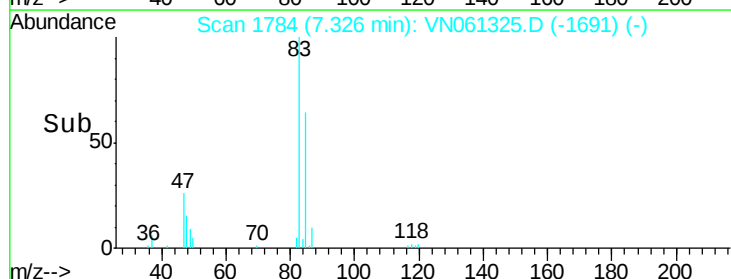
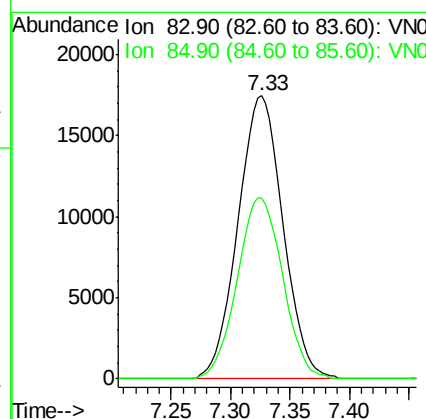
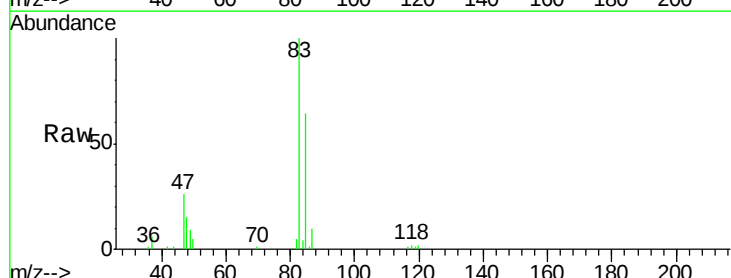
Manual Integrations
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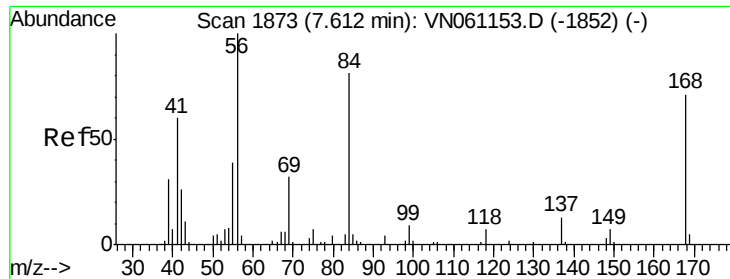
MMDadoda
5/8/2020 1:18:14 PM



#30
Chloroform
Concen: 19.223 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7





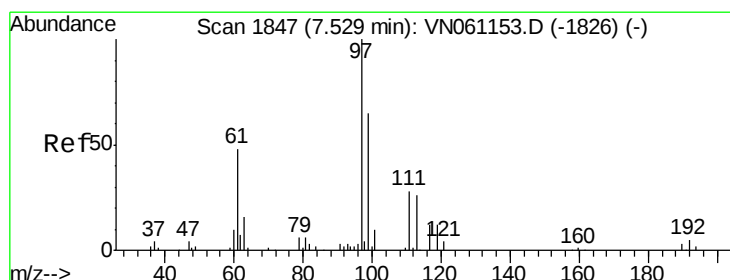
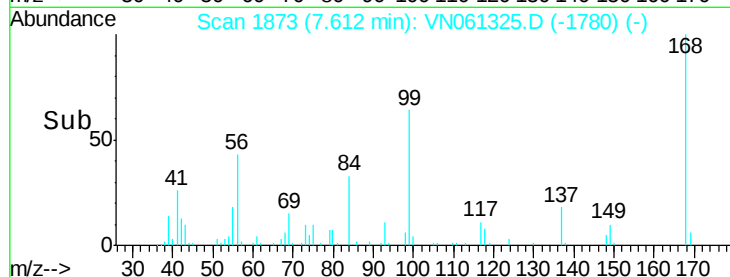
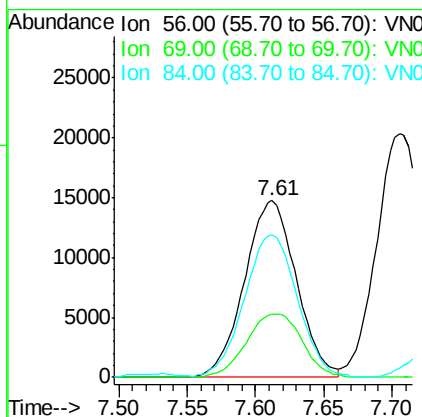
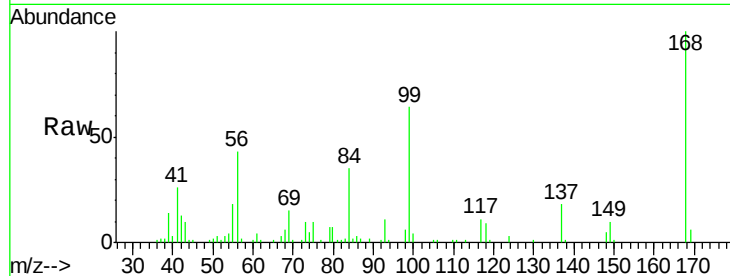
#31
Cyclohexane
Concen: 17.077 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	25.7	38.5
84	79.7	64.6	97.0

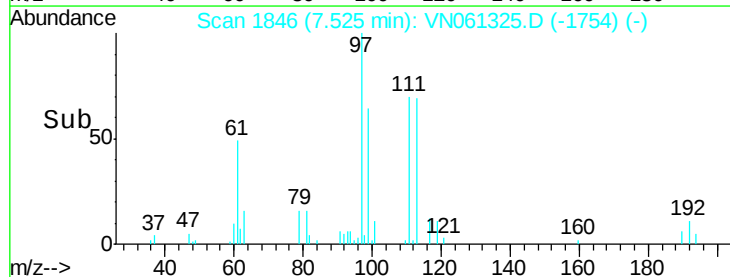
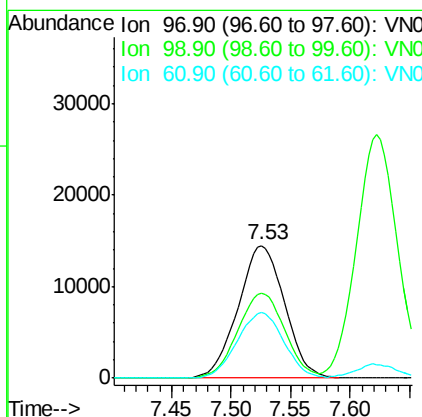
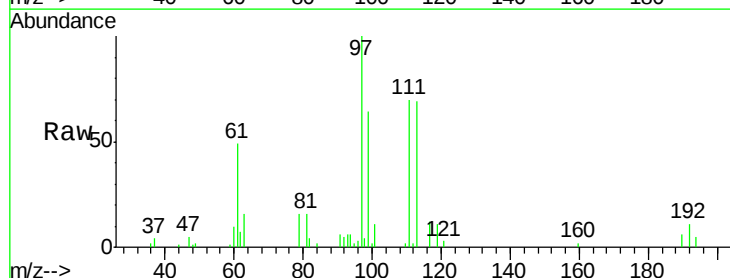
Manual Integrations
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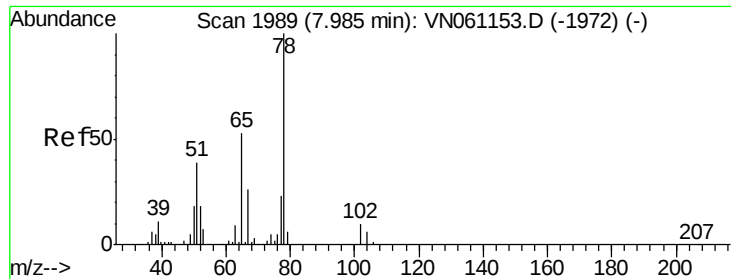
MMDadoda
5/8/2020 1:18:14 PM



#32
1,1,1-Trichloroethane
Concen: 18.872 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	49.4	38.6	57.8





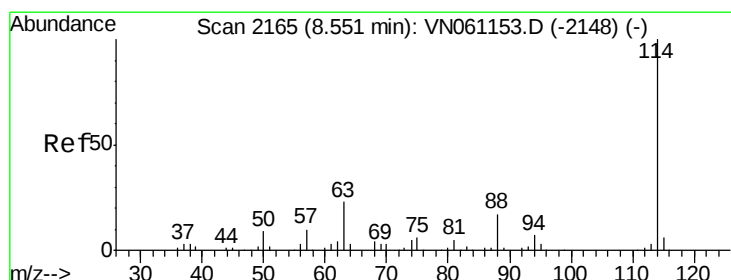
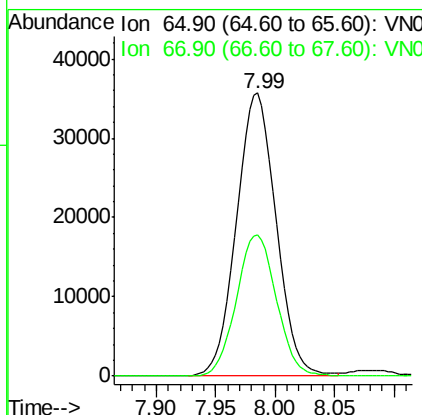
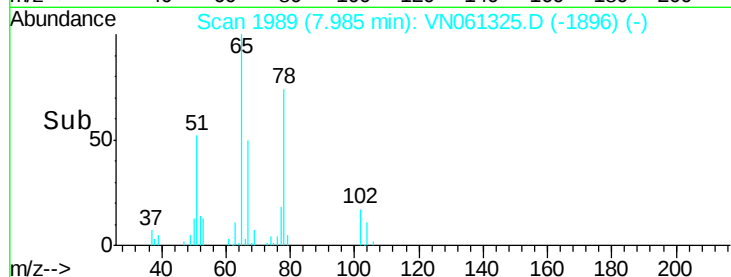
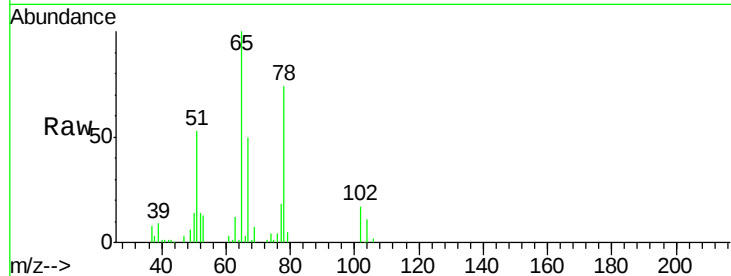
#33
 1,2-Dichloroethane-d4
 Concen: 52.477 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	101.6

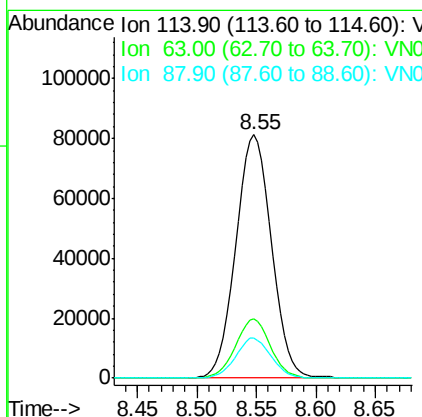
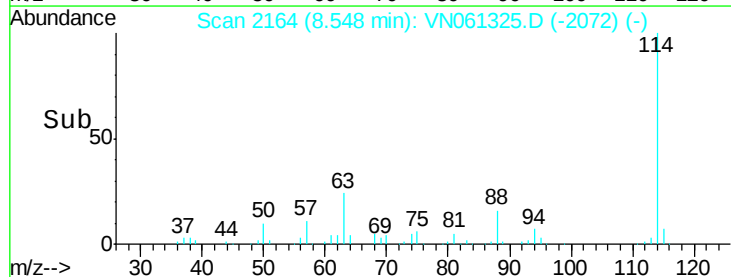
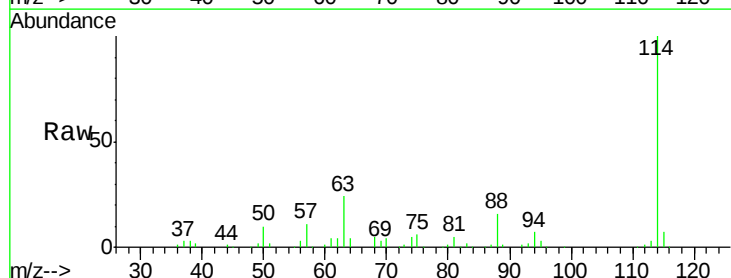
Manual Integrations
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 5/8/2020 1:18:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	46.6
88	16.4	0.0	33.4





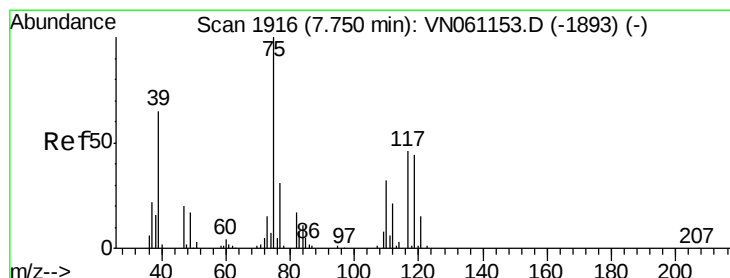
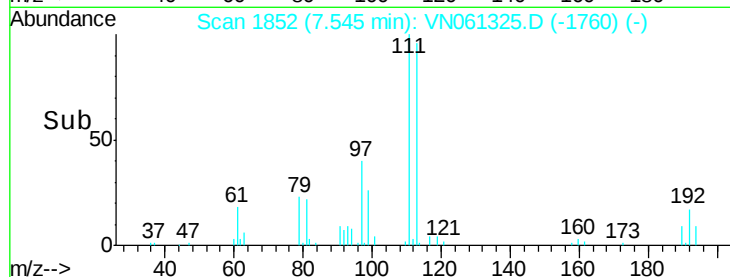
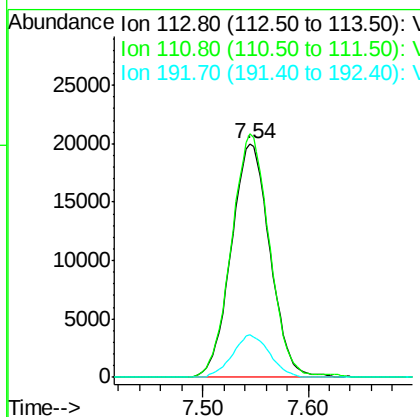
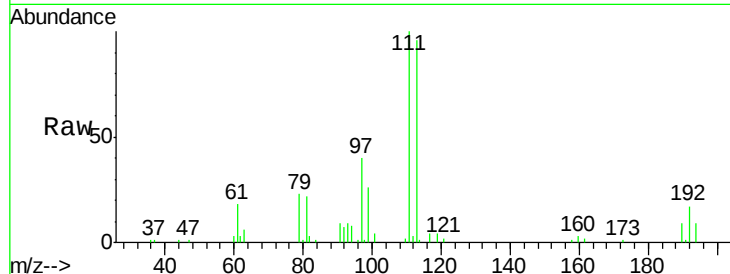
#35
Dibromofluoromethane
Concen: 51.039 ug/l
RT: 7.54 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	82.9	124.3	
192	17.5	14.7	22.1	

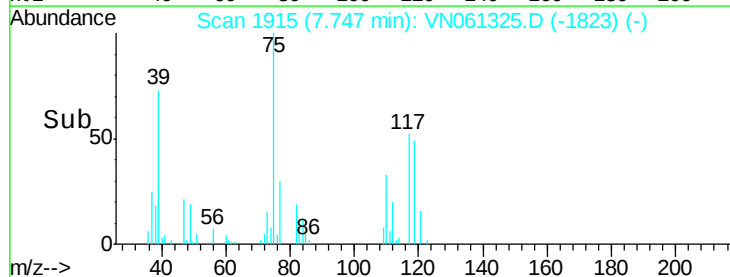
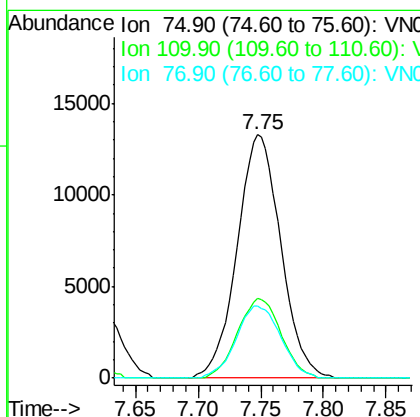
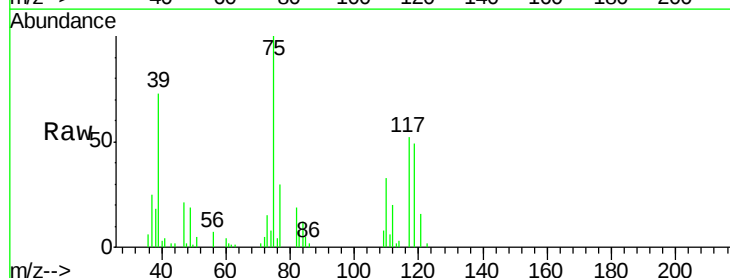
Manual Integrations
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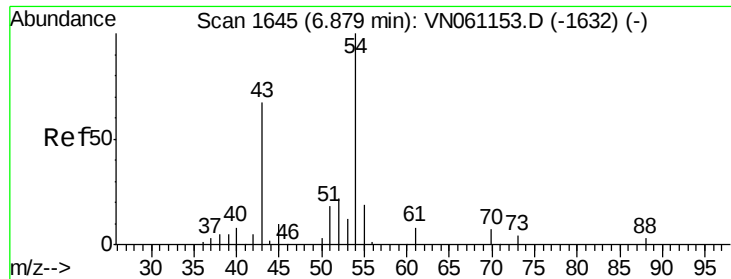
MMDadoda
5/8/2020 1:18:14 PM



#36
1,1-Dichloropropene
Concen: 19.025 ug/l
RT: 7.75 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.7	16.0	48.0	
77	30.4	24.6	37.0	





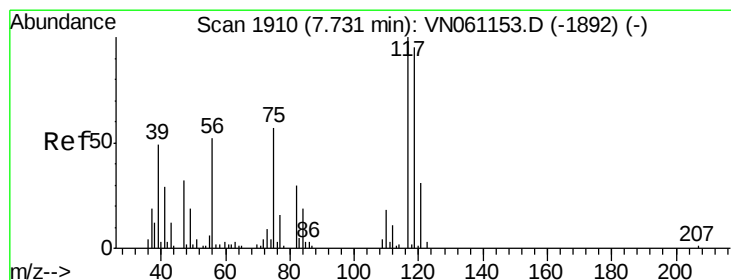
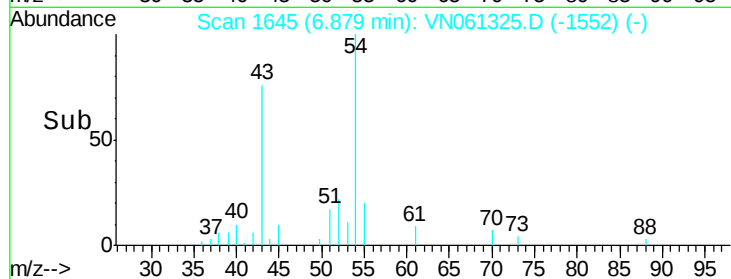
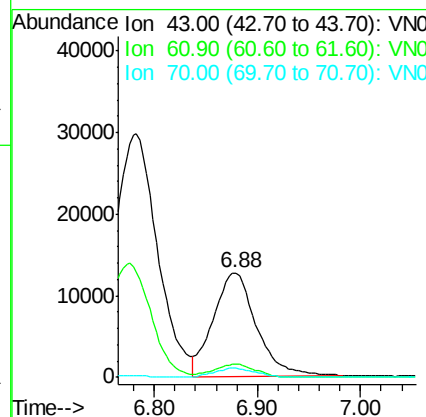
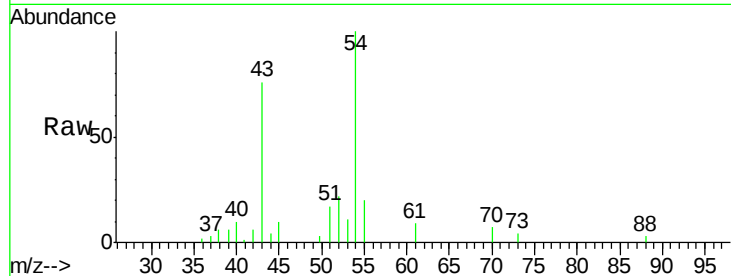
#37
Ethyl Acetate
Concen: 18.489 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.2
70	8.4	7.2	10.8

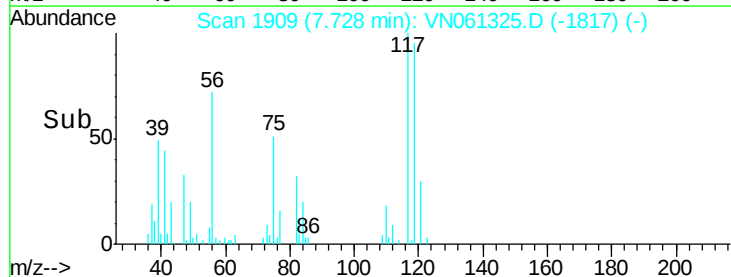
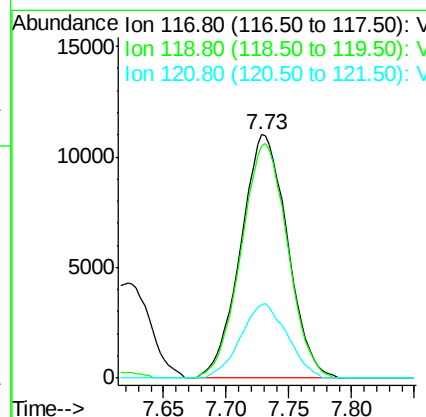
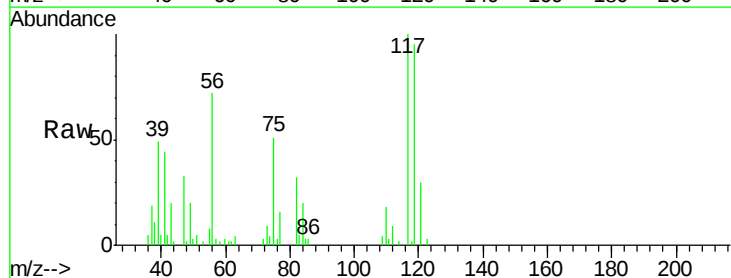
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 19.930 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.8	113.6
121	30.2	24.7	37.1





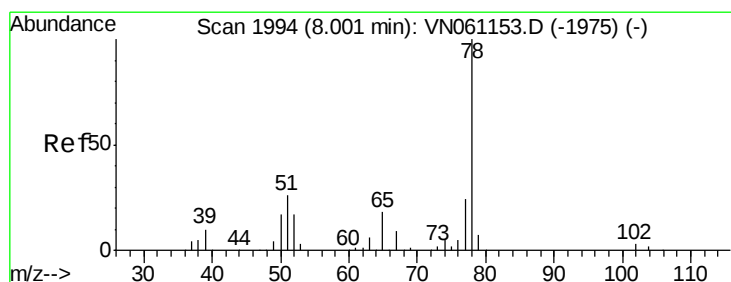
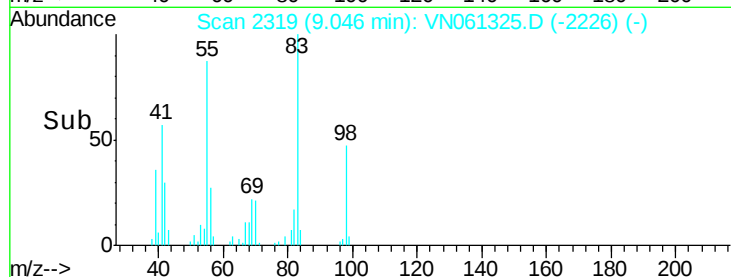
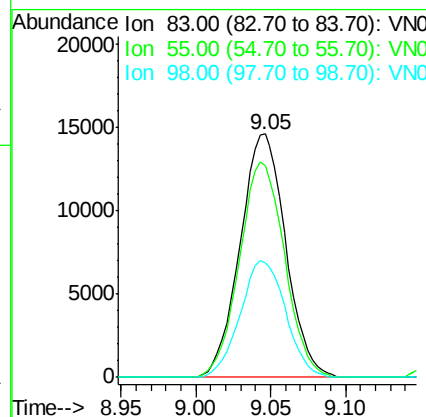
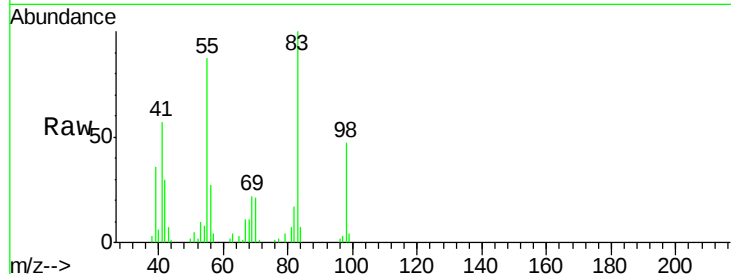
#39
Methvlcvclohexane
Concen: 16.330 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	67.3	100.9
98	47.2	37.7	56.5

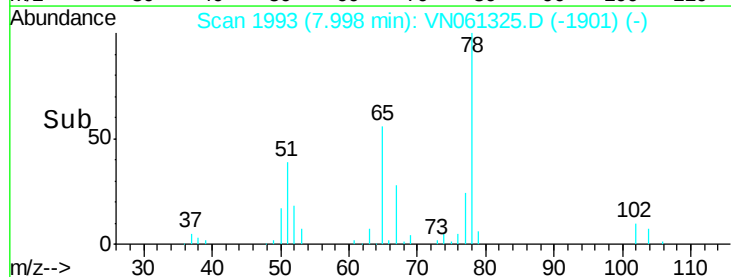
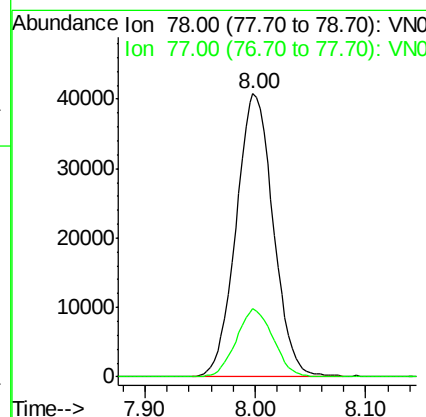
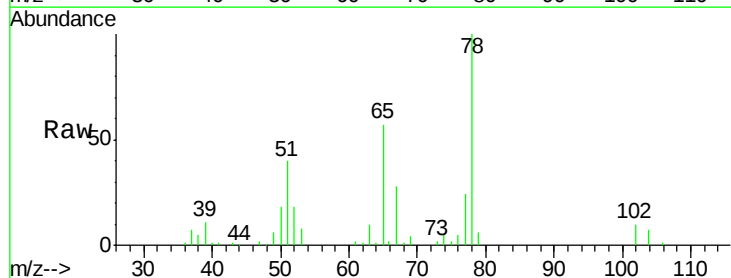
Manual Integrations
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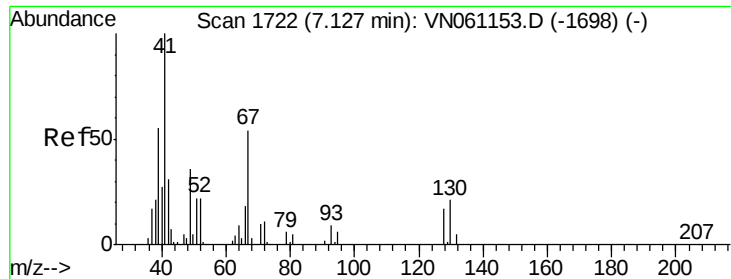
MMDadoda
5/8/2020 1:18:14 PM



#40
Benzene
Concen: 18.914 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





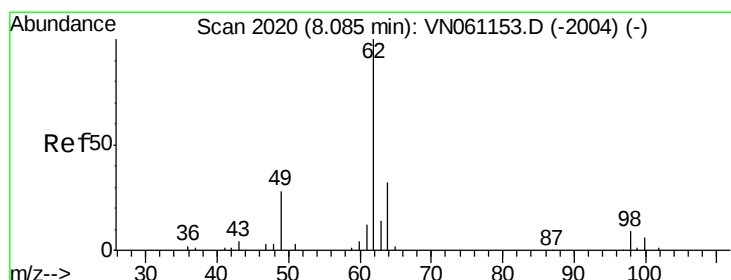
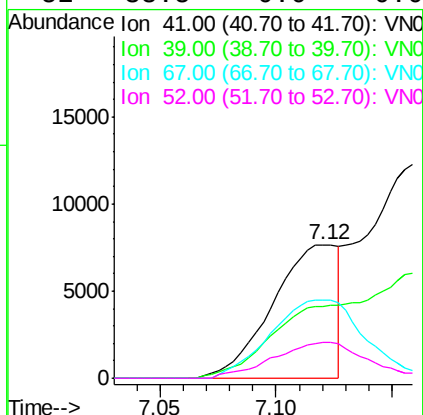
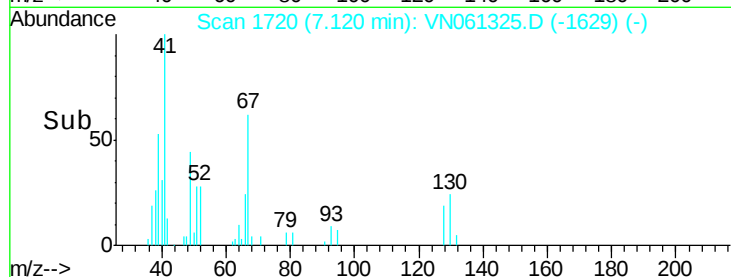
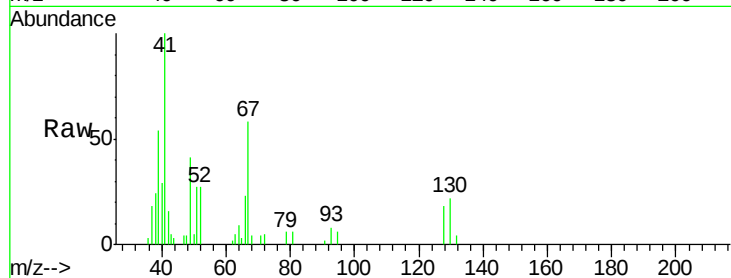
#41
Methacrylonitrile
Concen: 18.234 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	41	Resp	14998
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	85.0	0.0	0.0#
52	38.5	0.0	0.0#

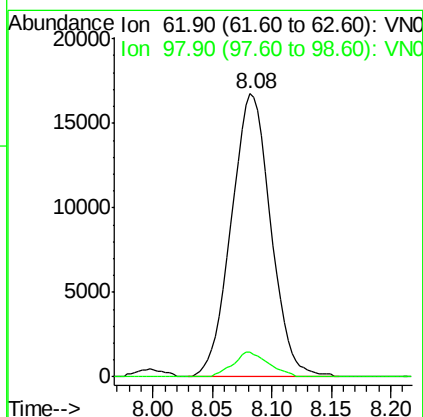
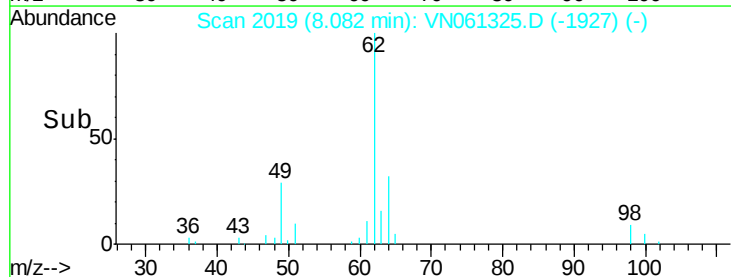
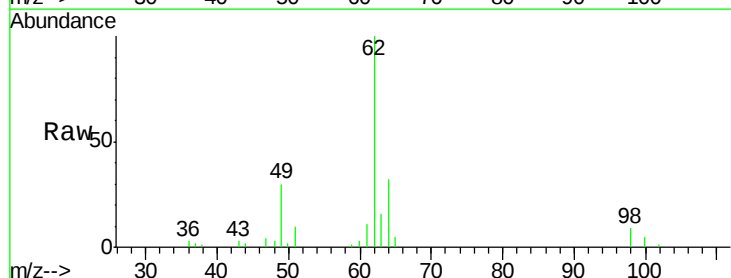
Manual Integrations
APPROVED

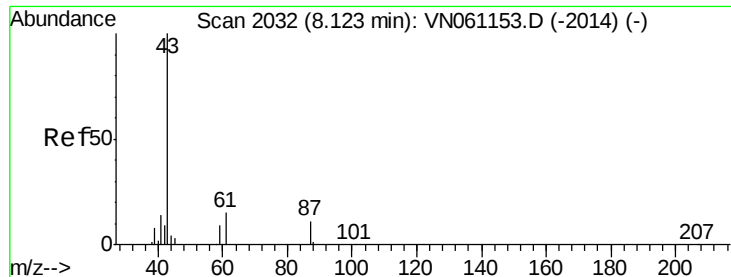
MMDadoda
5/8/2020 1:18:14 PM



#42
1,2-Dichloroethane
Concen: 20.236 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	62	Resp	38595
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.8





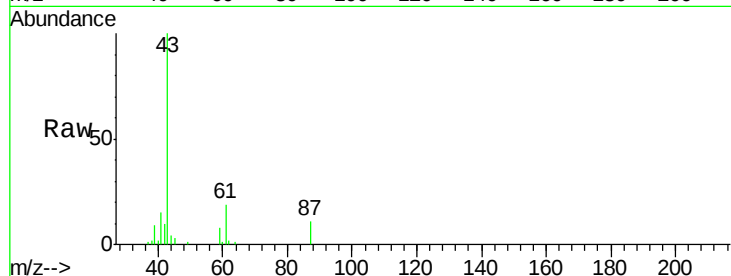
#43
Isopropyl Acetate
Concen: 18.687 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

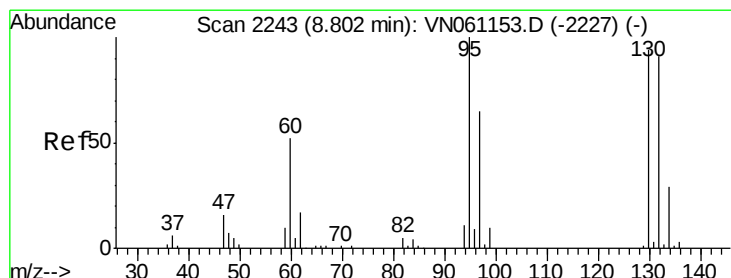
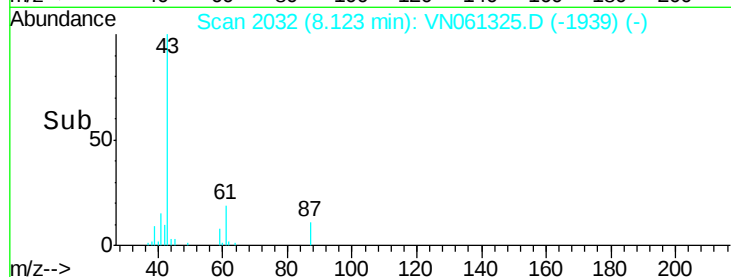
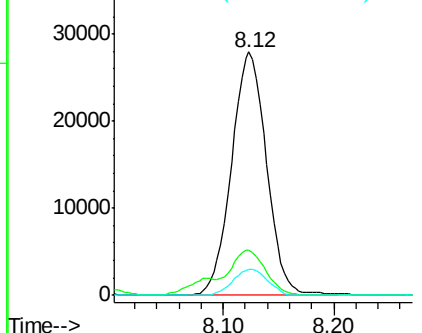
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	19.5	29.3#
87	10.5	8.9	13.3

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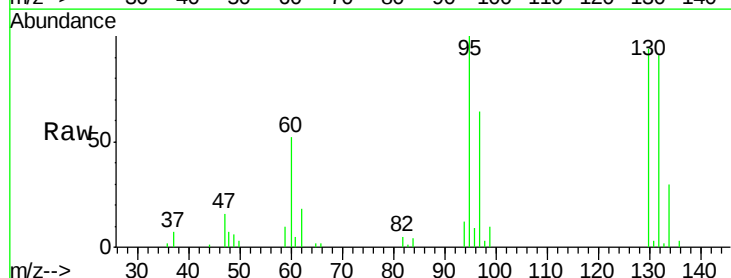


Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)
Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)
Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)

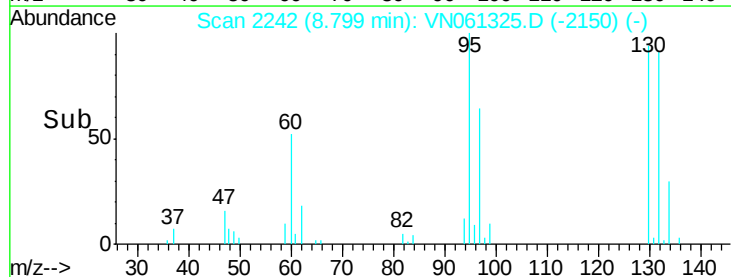
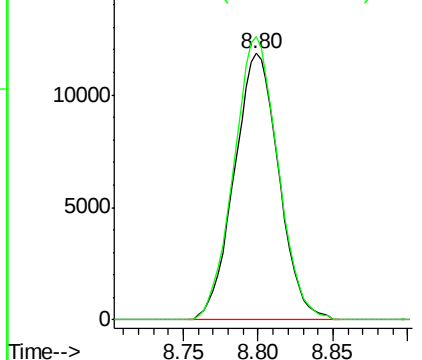


#44
Trichloroethene
Concen: 18.015 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)
Ion 94.90 (94.60 to 95.60): VN061153.D (-2227) (-)





#45

1,2-Dichloropropane

Concen: 19.269 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion: 63 Resp: 25917

Ion Ratio Lower Upper

63 100

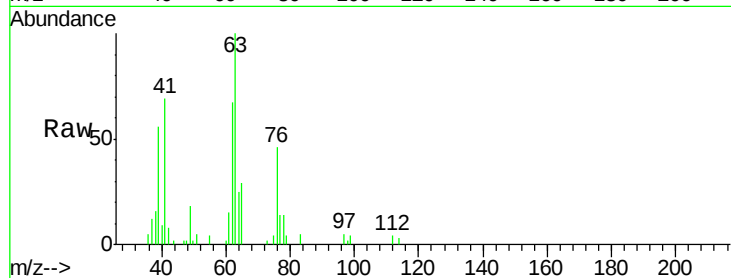
65 29.2 24.7 37.1

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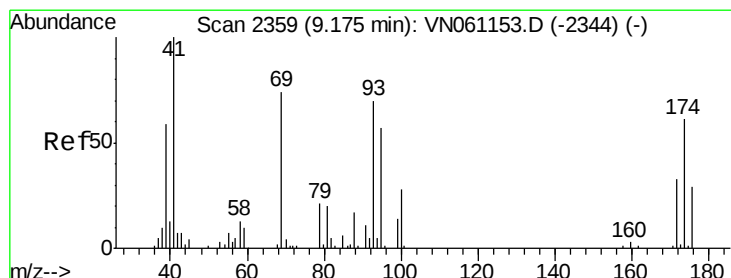
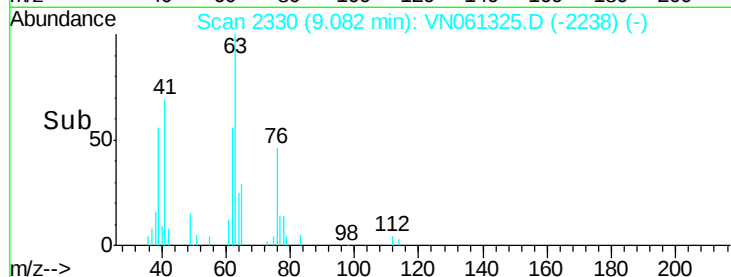
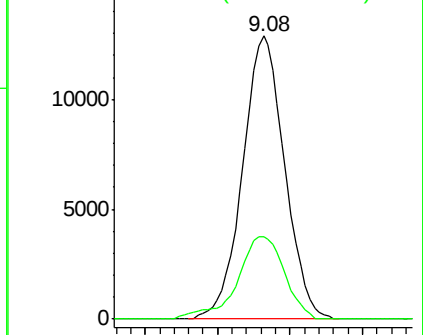
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.705 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

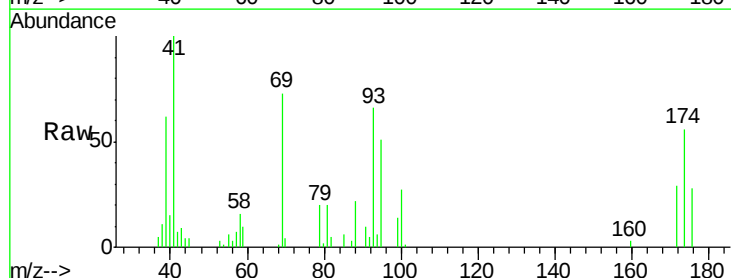
Tgt Ion: 93 Resp: 16410

Ion Ratio Lower Upper

93 100

95 79.9 66.6 99.8

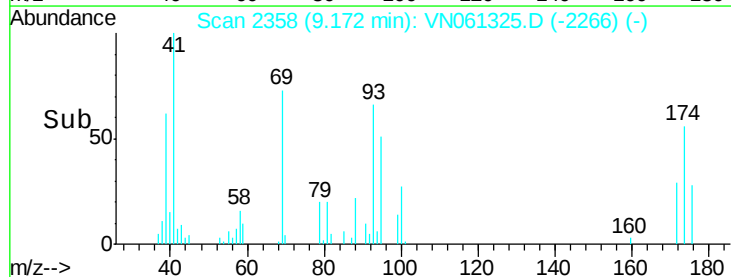
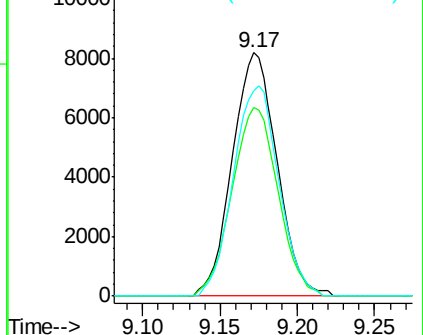
174 88.0 70.2 105.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.721 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

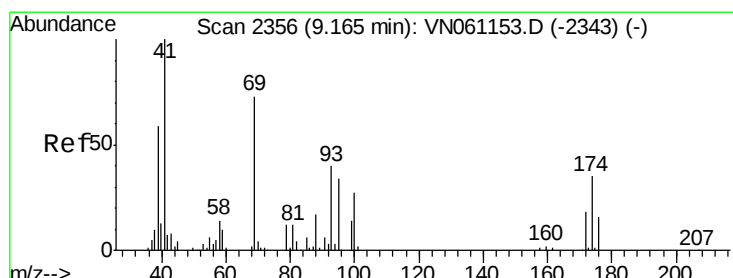
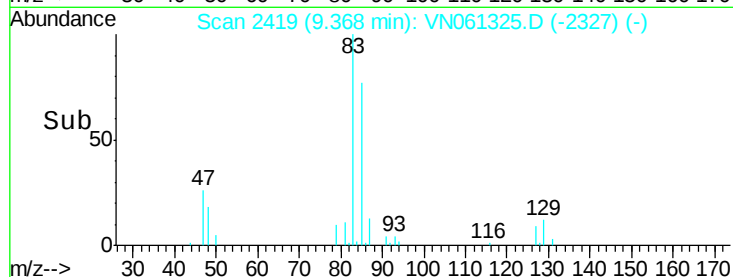
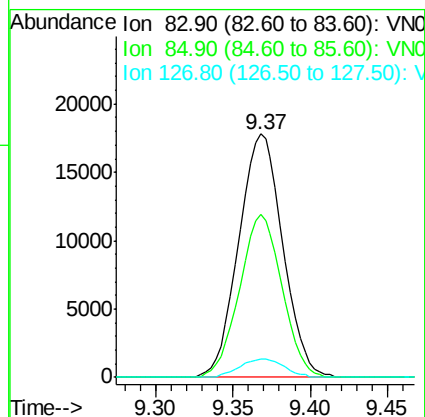
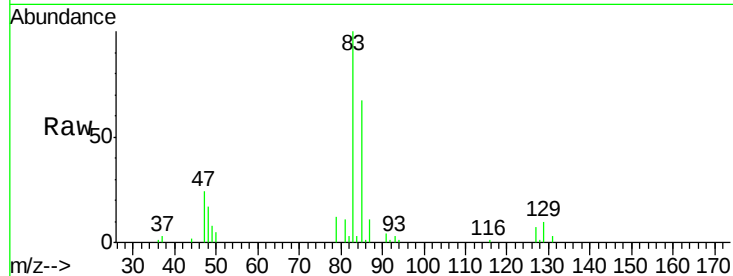
ClientSampleId :

VN0507WBS01

Tot Ion:	83	Resp:	35252
Ion Ratio	Lower	Upper	
83	100		
85	66.7	50.4	75.6
127	7.4	6.2	9.2

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#48

Methyl methacrylate

Concen: 18.443 ug/l

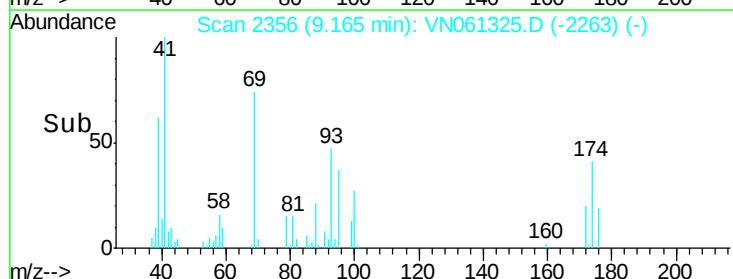
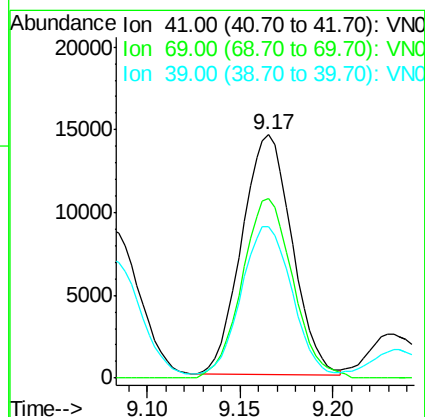
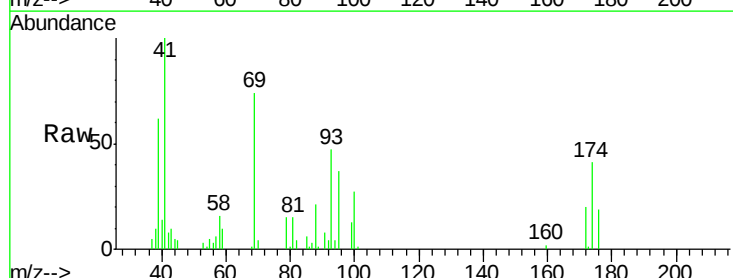
RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Tgt Ion:	41	Resp:	27363
Ion Ratio	Lower	Upper	
41	100		
69	75.5	60.3	90.5
39	65.1	47.4	71.0





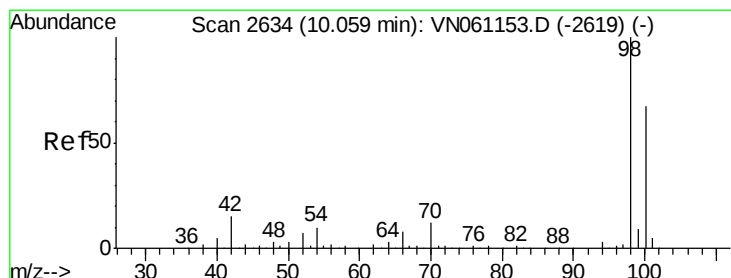
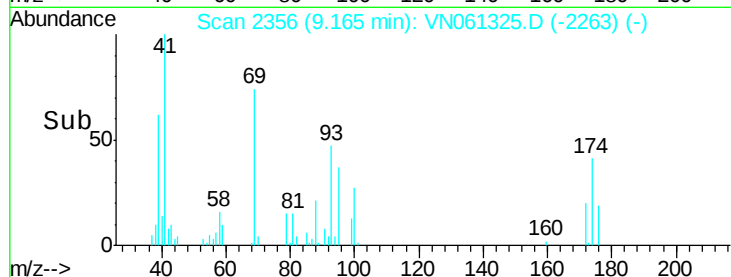
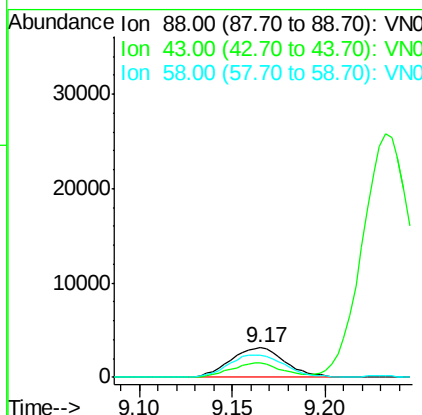
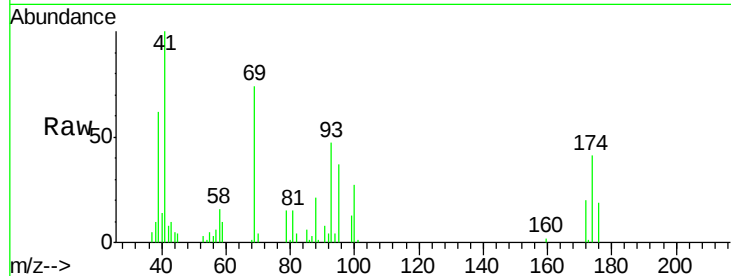
#49
1,4-Dioxane
Concen: 379.605 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.7	35.3	52.9
58	77.9	61.5	92.3

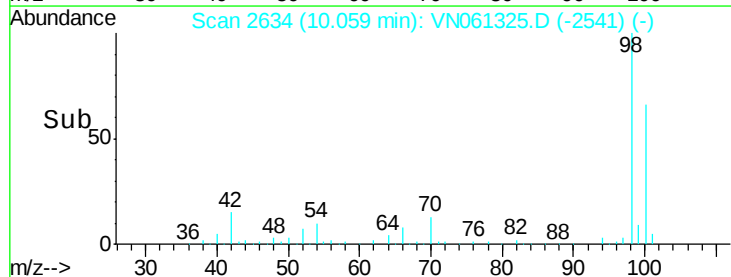
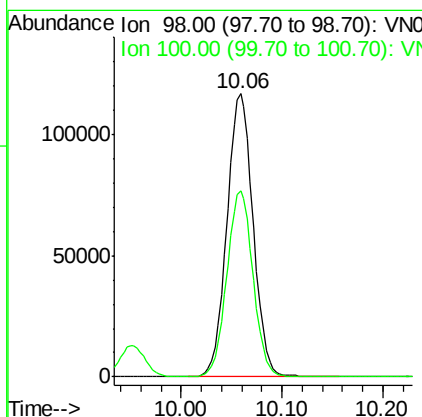
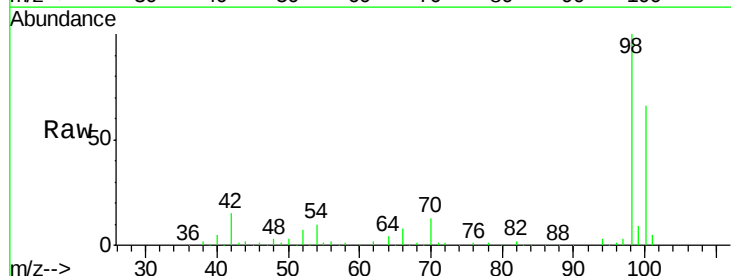
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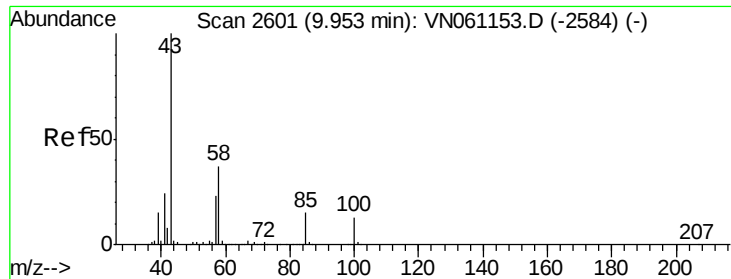
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#50
Toluene-d8
Concen: 52.006 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.4	80.0





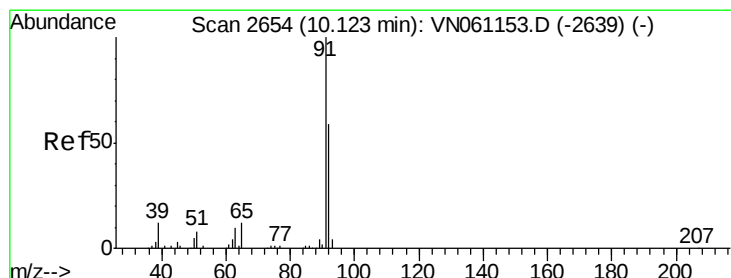
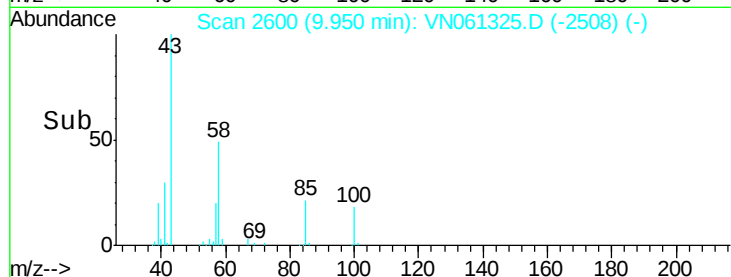
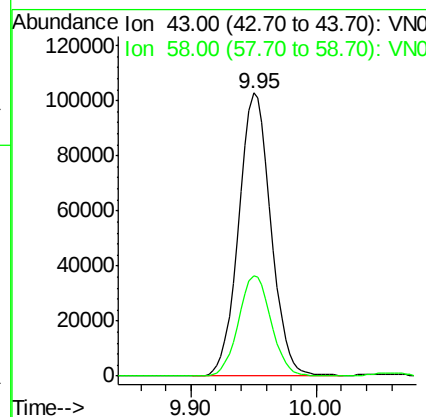
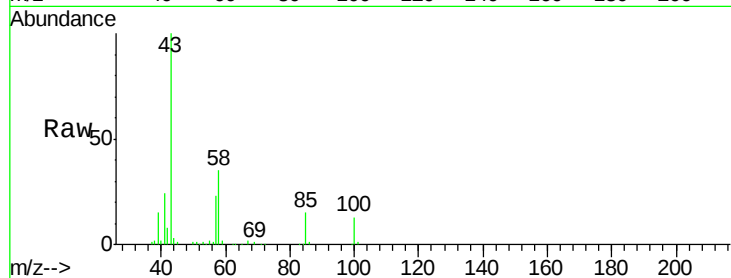
#51
 4-Methyl-2-Pentanone
 Concen: 94.863 ug/l
 RT: 9.95 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.1	43.7

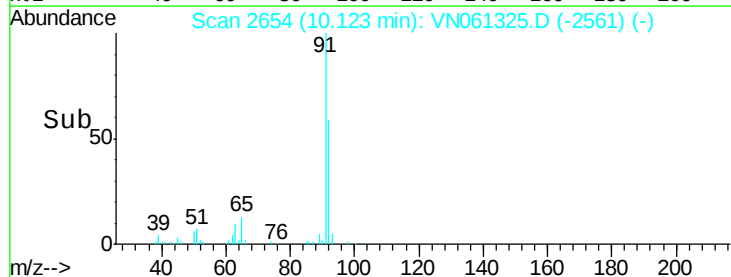
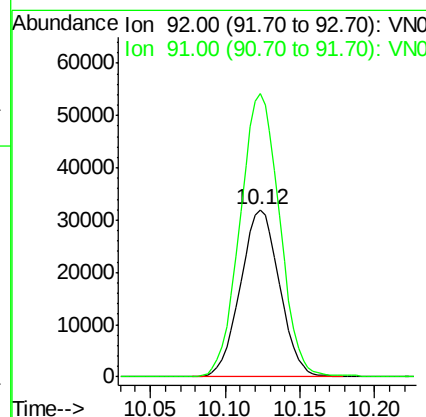
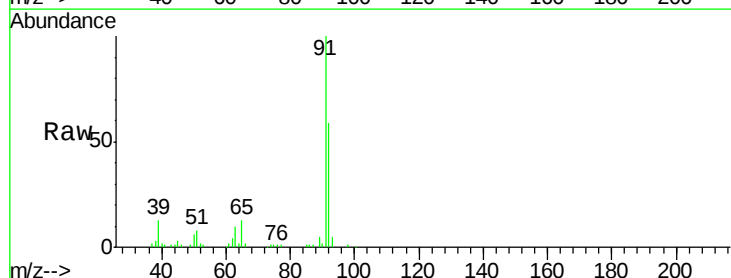
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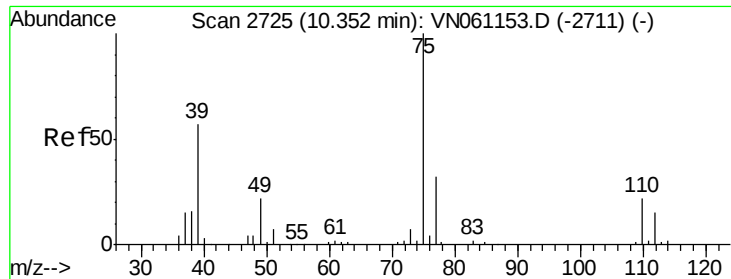
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#52
 Toluene
 Concen: 19.183 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.2	204.2





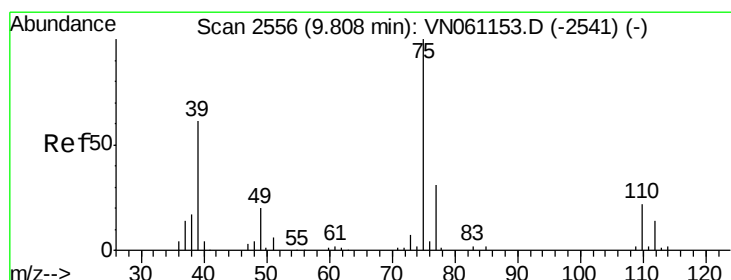
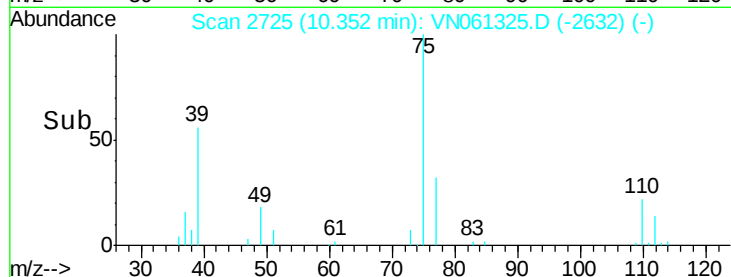
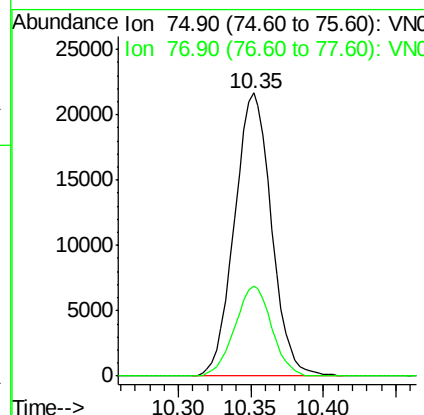
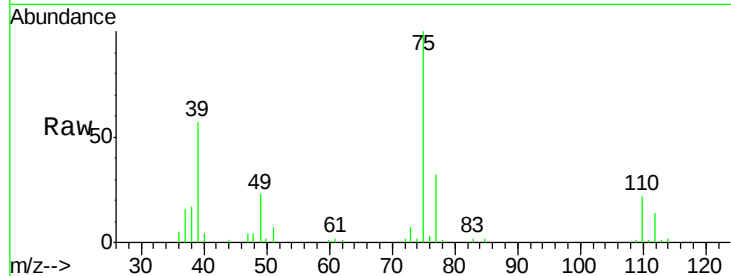
#53
t-1,3-Dichloropropene
Concen: 19.026 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

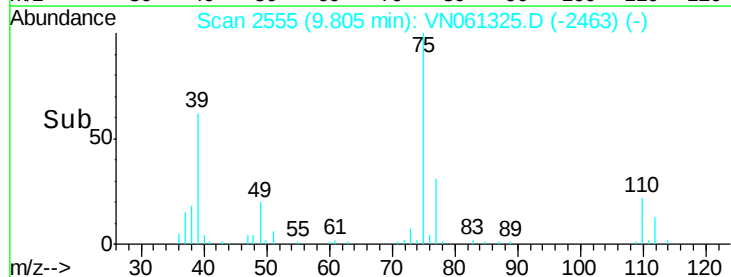
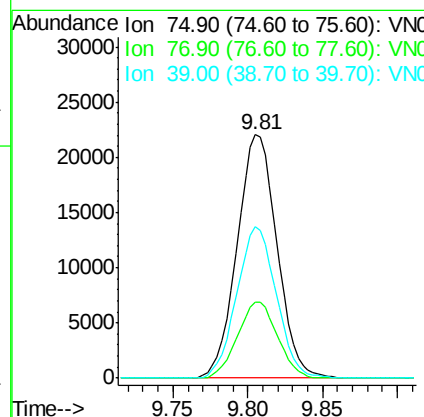
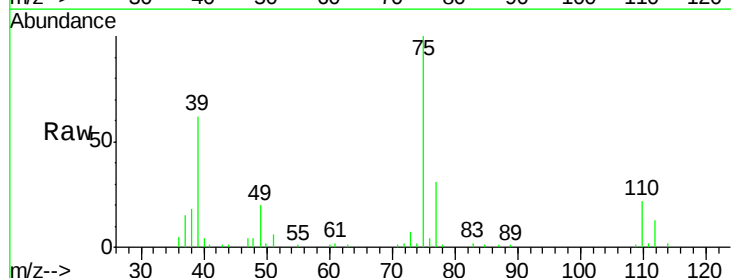
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#54
cis-1,3-Dichloropropene
Concen: 19.190 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	62.1	48.7	73.1





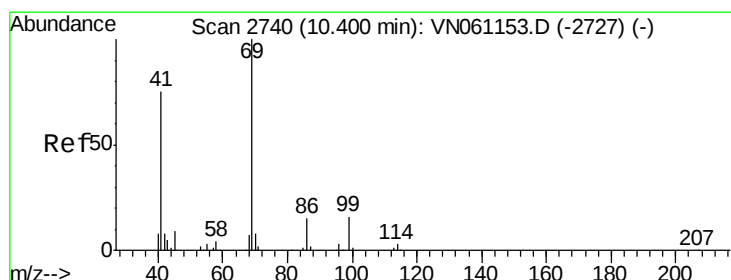
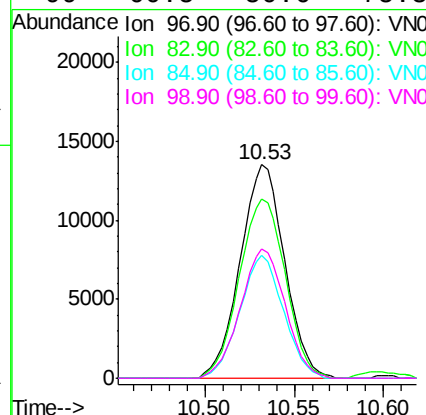
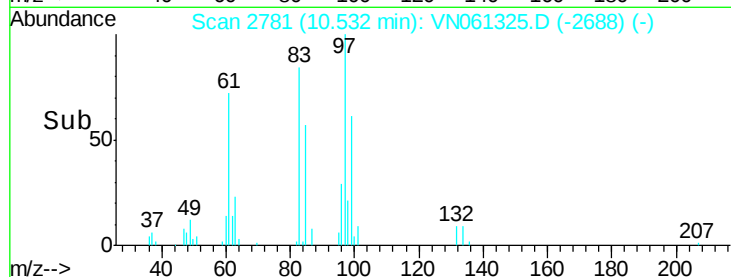
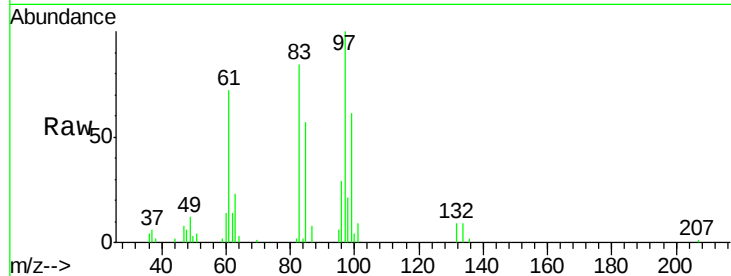
#55
 1,1,2-Trichloroethane
 Concen: 19.476 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion:	97	Resp:	23557
Ion	Ratio	Lower	Upper
97	100		
83	83.7	70.6	106.0
85	57.4	46.4	69.6
99	60.5	50.6	75.8

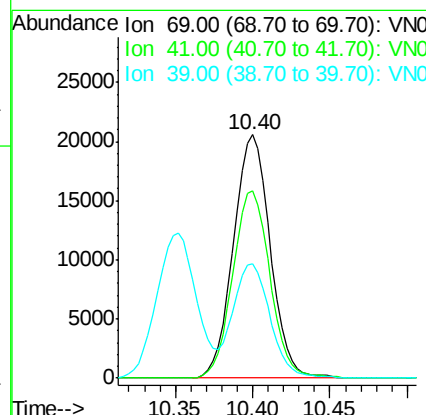
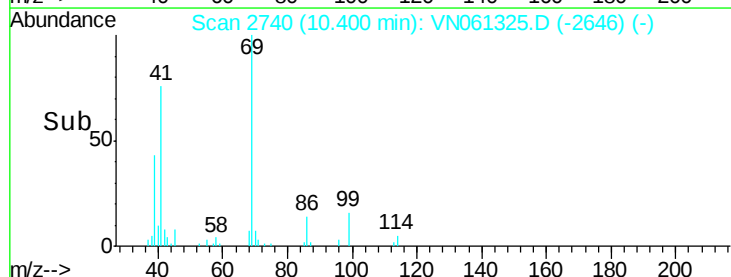
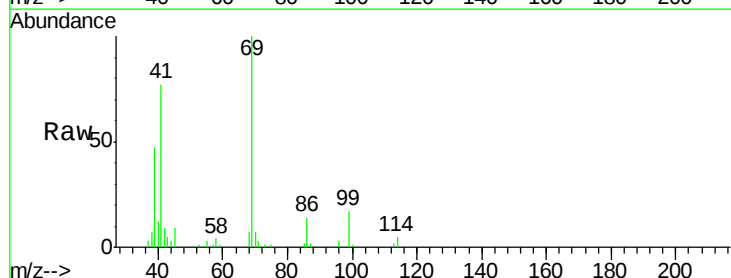
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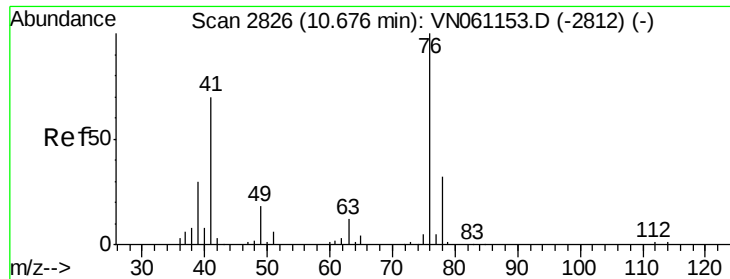
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#56
 Ethyl methacrylate
 Concen: 17.951 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion:	69	Resp:	33940
Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.3	90.5
39	47.5	35.9	53.9





#57

1,3-Dichloropropane

Concen: 19.406 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0507WBS01

Tot Ion: 76 Resp: 41258

Ion Ratio Lower Upper

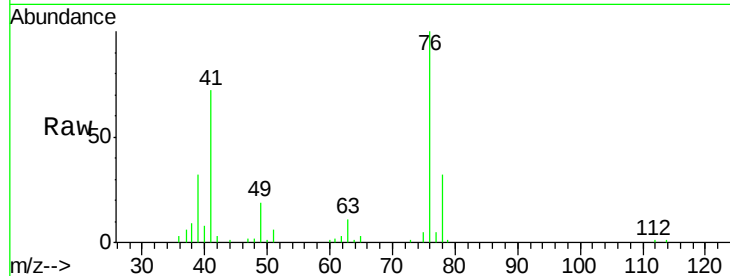
76 100

78 32.2 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

25000

20000

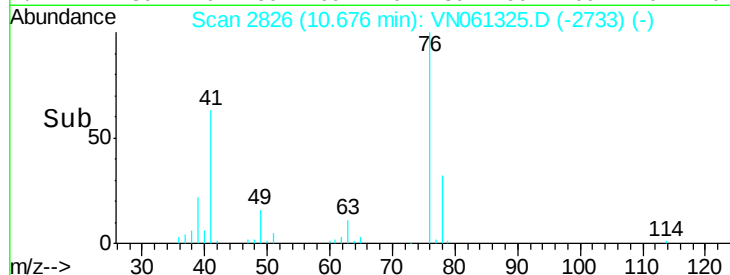
15000

10000

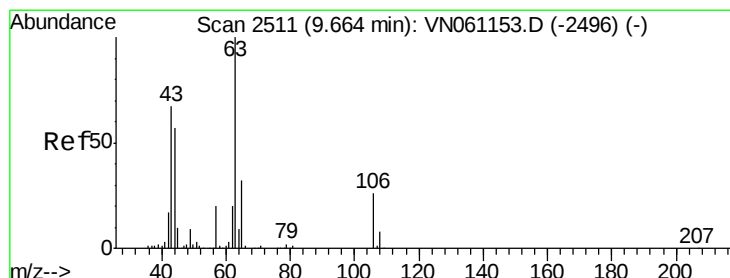
5000

0

Time-->



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 93.787 ug/l

RT: 9.66 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VN061325.D

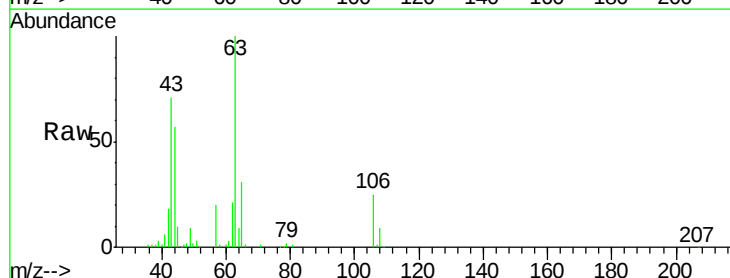
Acq: 7 May 2020 11:40

Tgt Ion: 63 Resp: 91824

Ion Ratio Lower Upper

63 100

106 24.8 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

60000

50000

40000

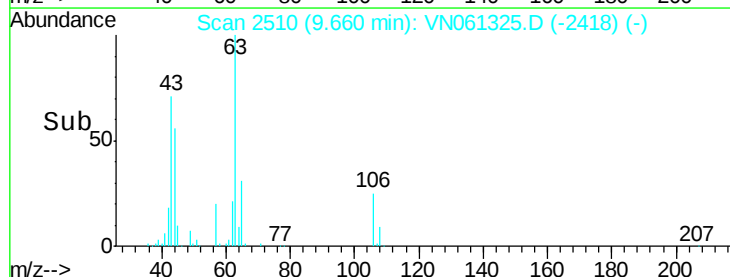
30000

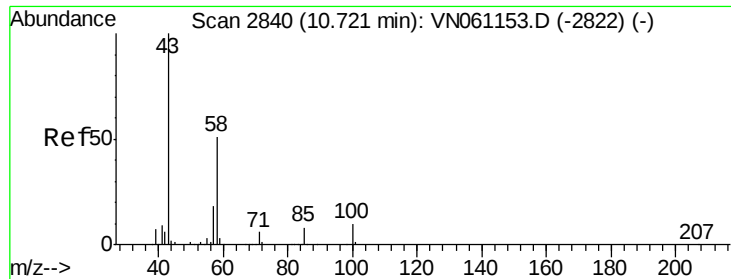
20000

10000

0

Time-->





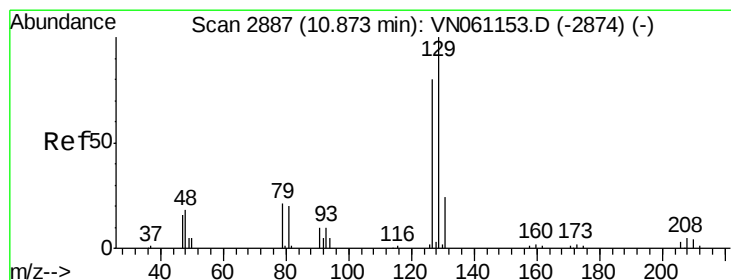
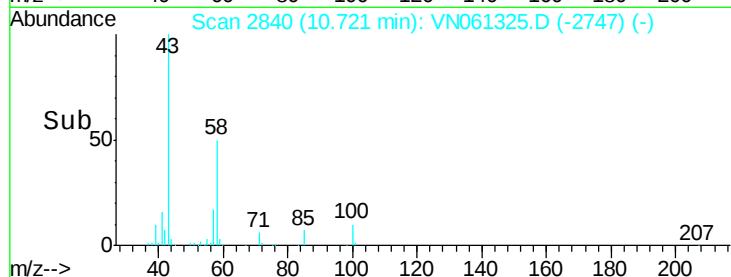
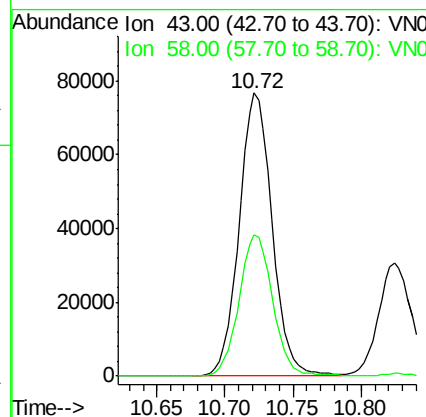
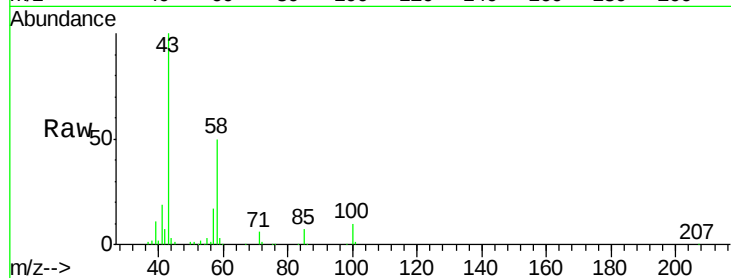
#59
2-Hexanone
Concen: 91.557 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	43	Resp	128907
Ion Ratio	43	100	
Lower	58	50.9	25.4
Upper			76.4

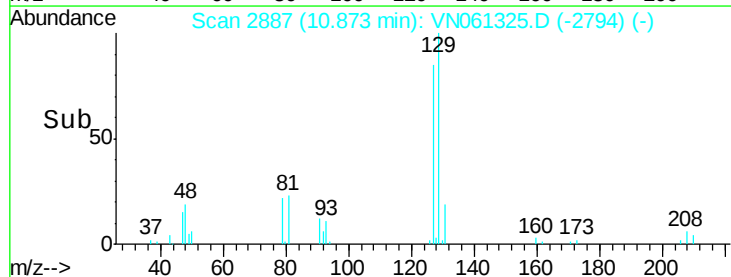
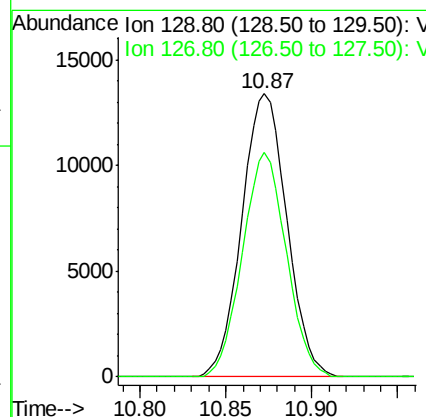
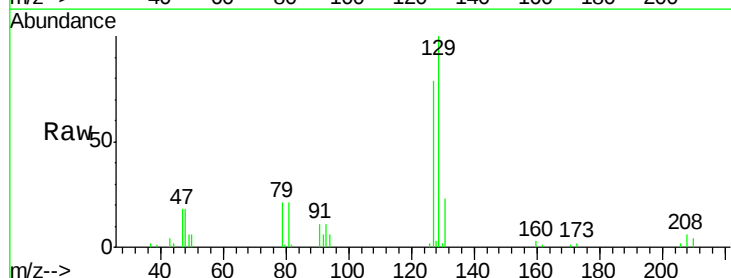
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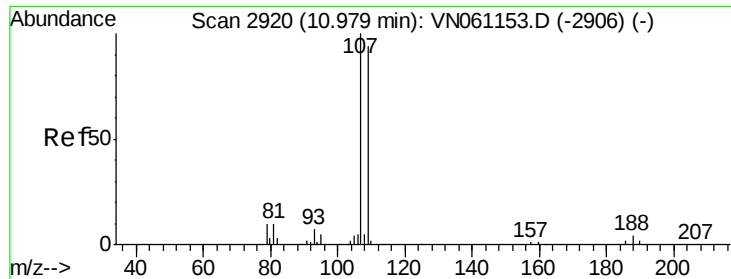
MMDadoda
5/8/2020 1:18:14 PM



#60
Dibromochloromethane
Concen: 19.239 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	129	Resp	24372
Ion Ratio	129	100	
Lower	127	77.1	39.3
Upper			117.8





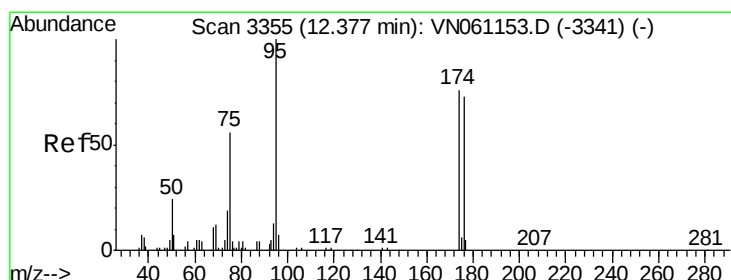
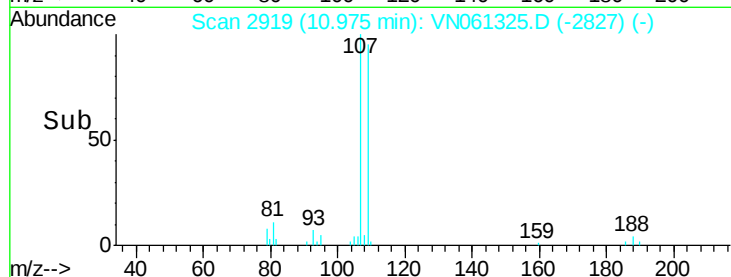
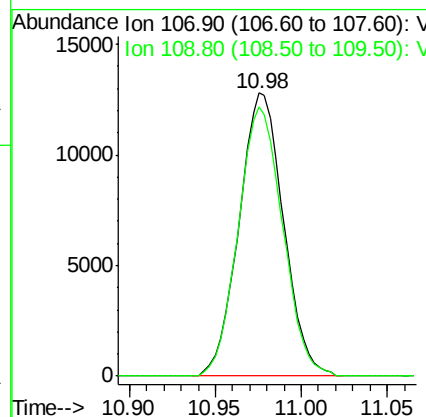
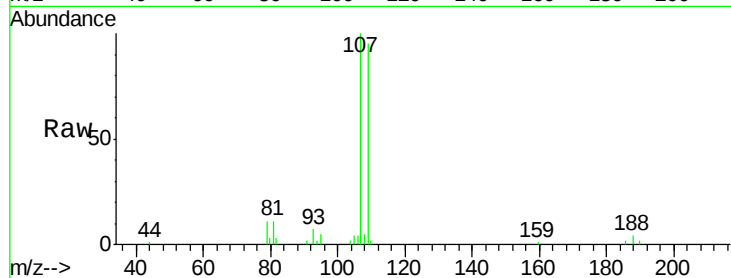
#61
 1,2-Dibromoethane
 Concen: 18.928 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion:107 Resp: 22947
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.8 112.2

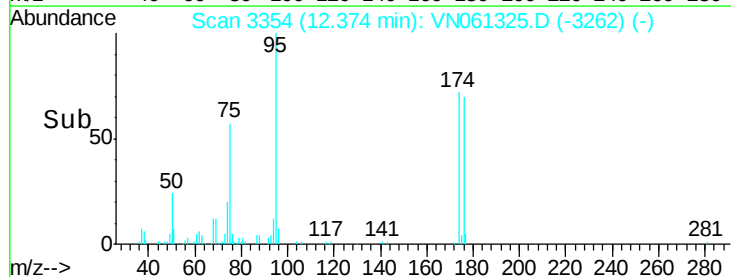
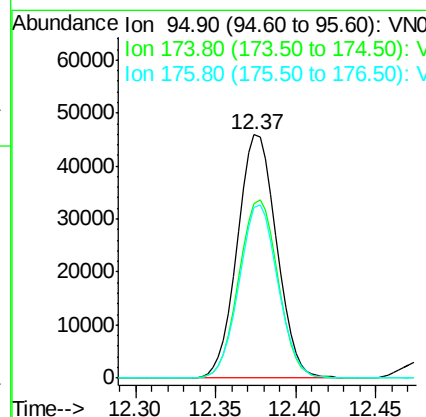
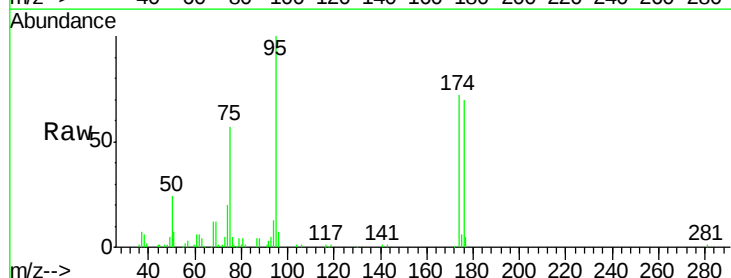
Manual Integrations
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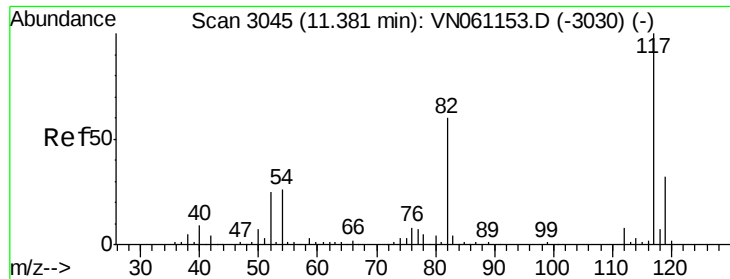
MMDadoda
 5/8/2020 1:18:14 PM



#62
 4-Bromofluorobenzene
 Concen: 50.108 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion: 95 Resp: 76732
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 149.4
 176 70.2 0.0 144.8





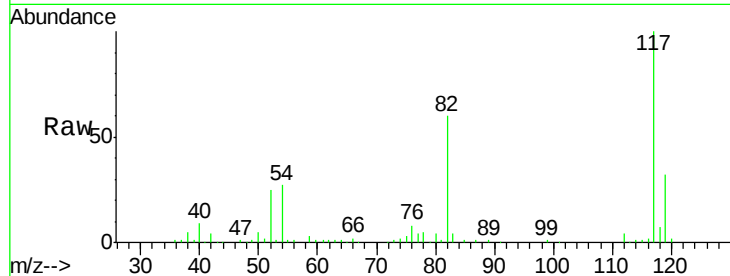
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	47.8	71.8
119	31.9	25.8	38.6

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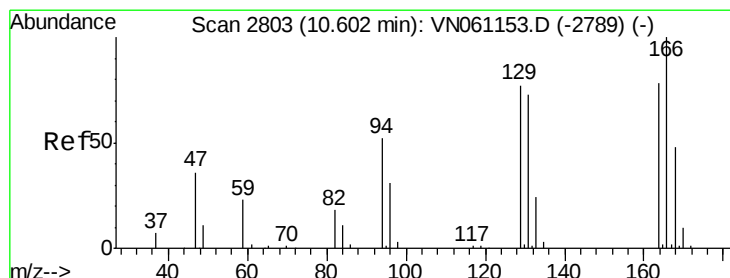
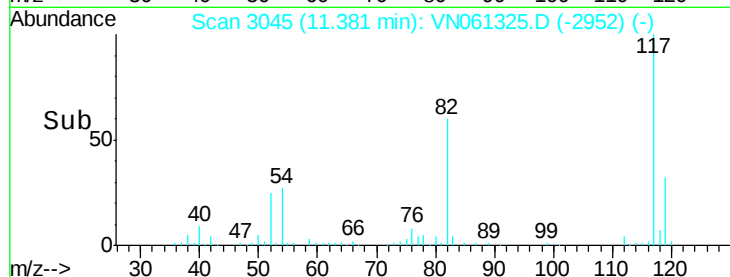
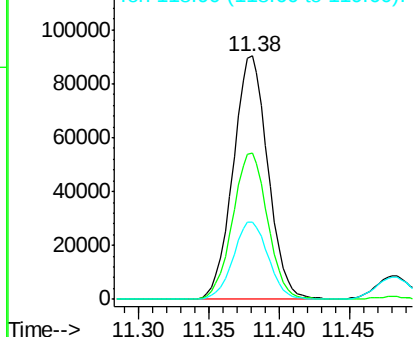


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.226 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.0	153.0
129	99.1	78.2	117.2
131	95.5	74.5	111.7

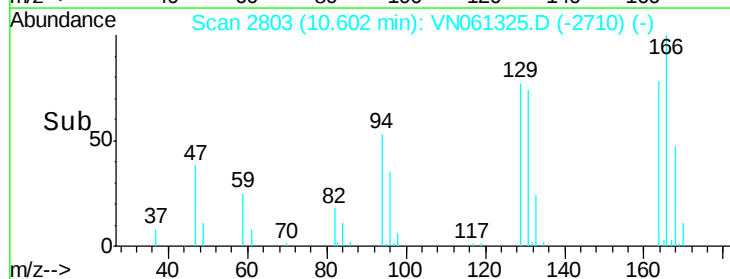
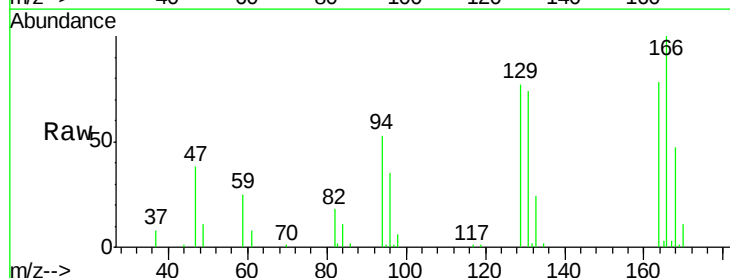
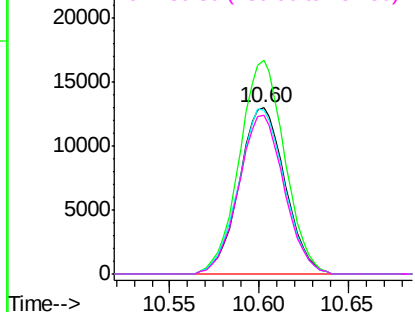
Abundance

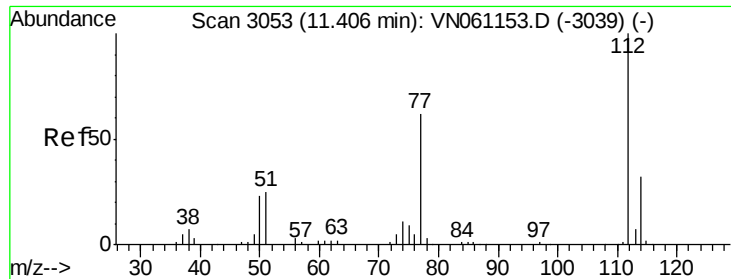
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.183 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0507WBS01

Tot Ion:112 Resp: 59391

Ion Ratio Lower Upper

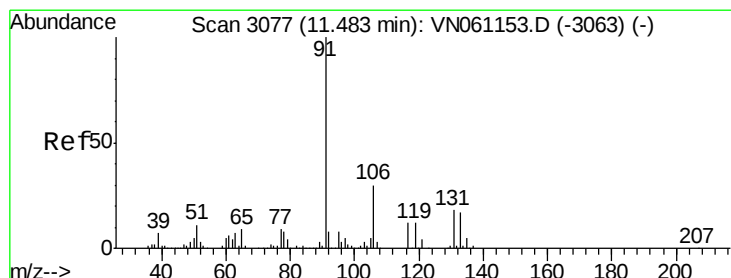
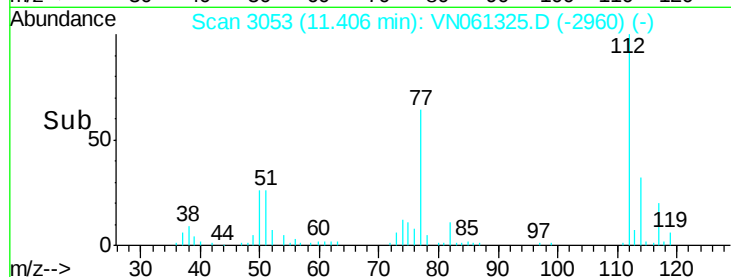
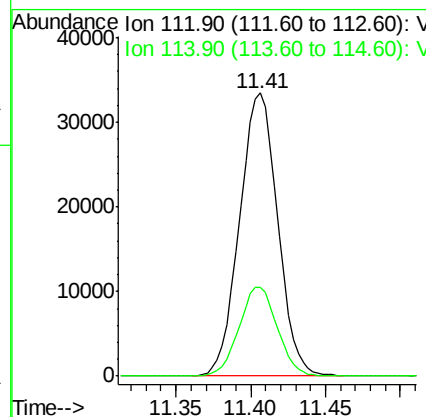
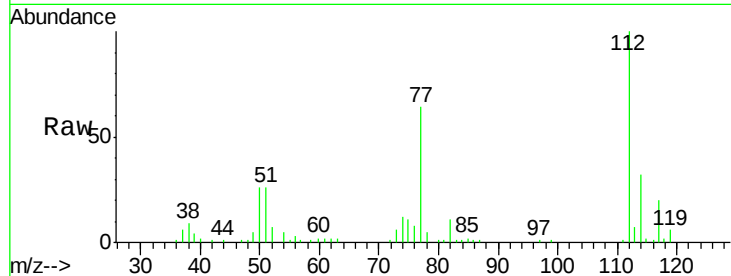
112 100

114 31.5 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.983 ug/l

RT: 11.48 min Scan# 3076

Delta R.T. -0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

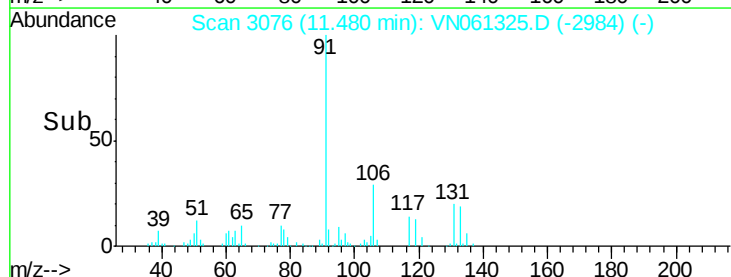
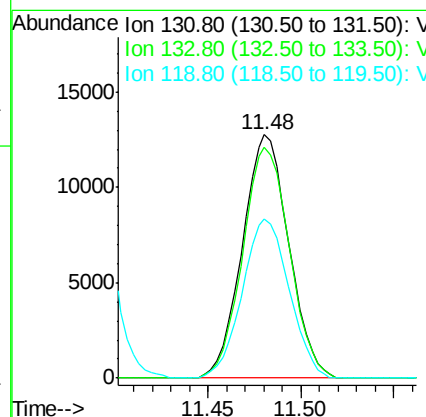
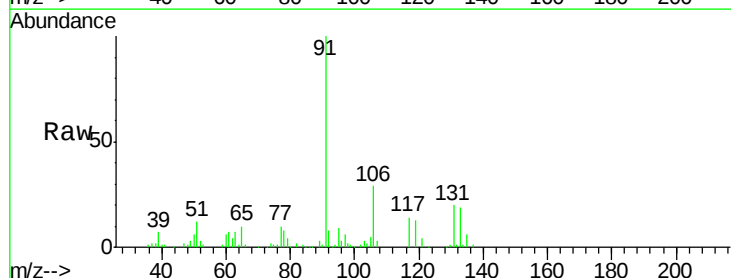
Tgt Ion:131 Resp: 22143

Ion Ratio Lower Upper

131 100

133 95.6 48.0 144.2

119 66.1 32.6 97.8





#67

Ethyl Benzene

Concen: 18.935 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0507WBS01

Tot Ion: 91 Resp: 109741

Ion Ratio Lower Upper

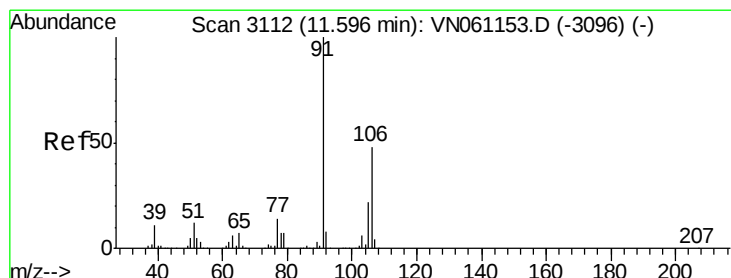
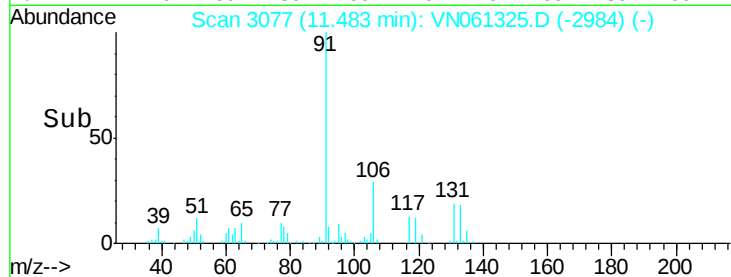
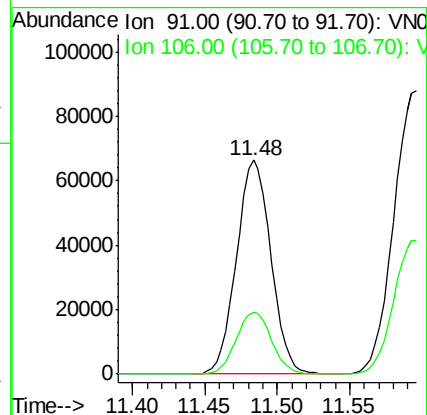
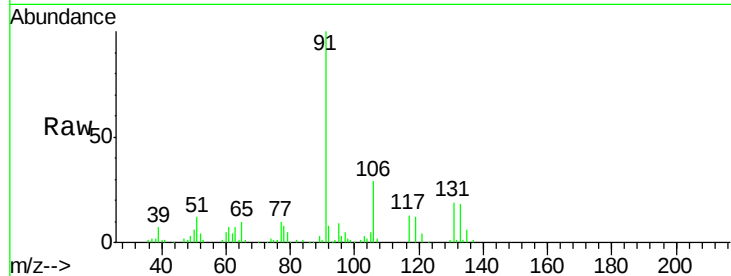
91 100

106 29.1 23.8 35.6

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#68

m/p-Xylenes

Concen: 37.762 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061325.D

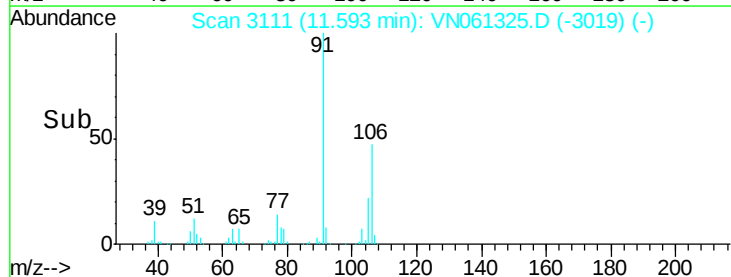
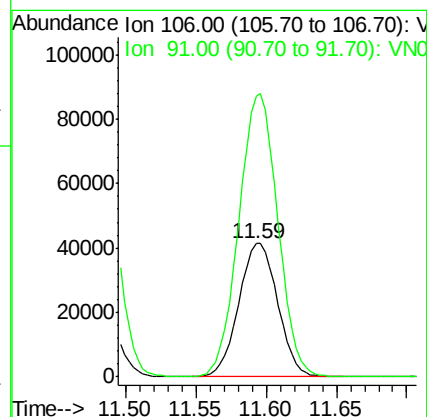
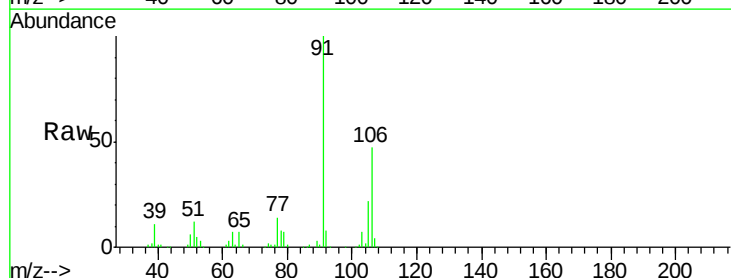
Acq: 7 May 2020 11:40

Tgt Ion: 106 Resp: 80108

Ion Ratio Lower Upper

106 100

91 212.6 166.4 249.6





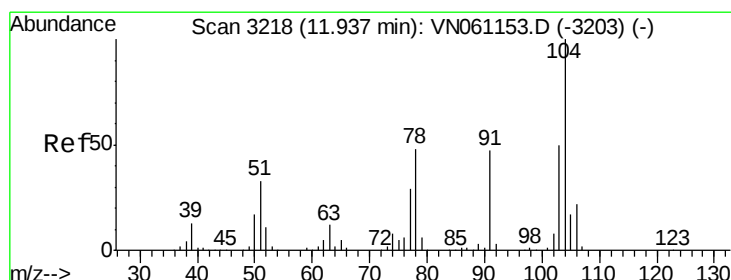
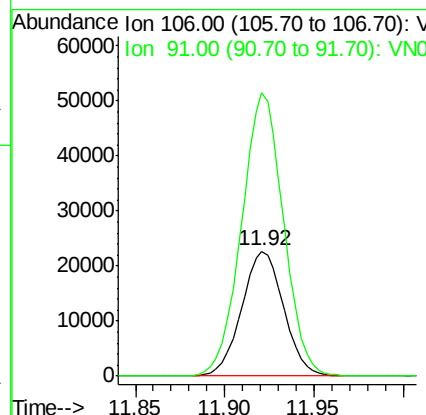
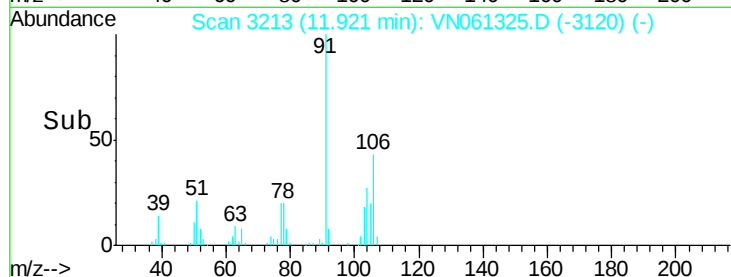
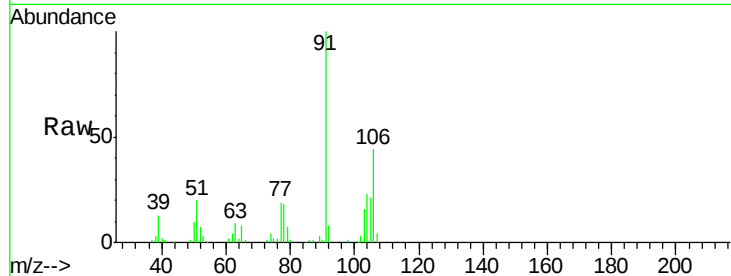
#69
o-Xylene
Concen: 18.323 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion:106 Resp: 37338
Ion Ratio Lower Upper
106 100
91 226.0 109.7 329.0

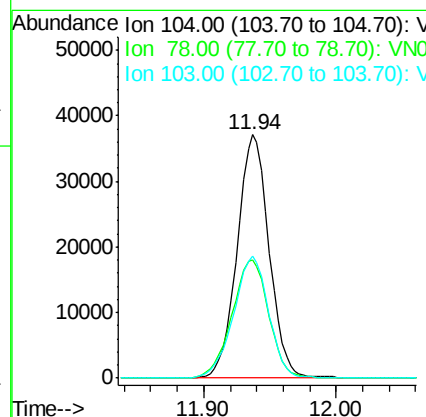
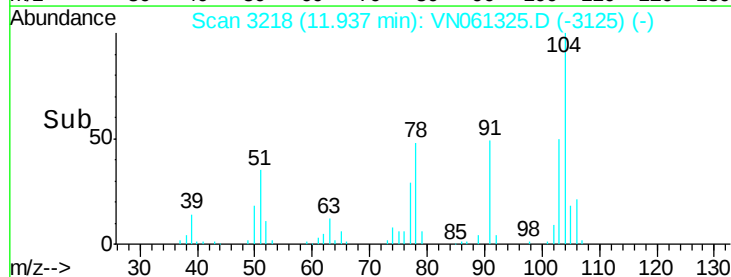
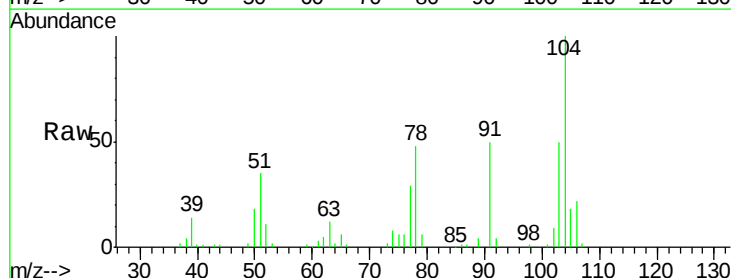
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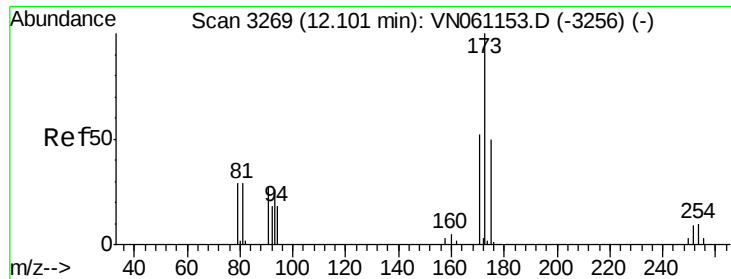
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#70
Styrene
Concen: 18.230 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion:104 Resp: 62174
Ion Ratio Lower Upper
104 100
78 55.6 42.1 63.1
103 54.8 43.3 64.9





#71

Bromoform

Concen: 18.914 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion:173 Resp: 15403

Ion Ratio Lower Upper

173 100

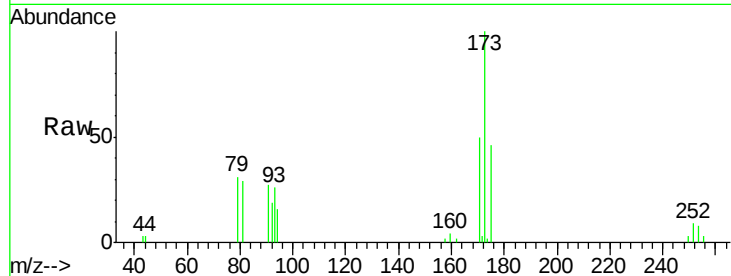
175 48.9 24.1 72.4

254 0.0 0.0 0.0

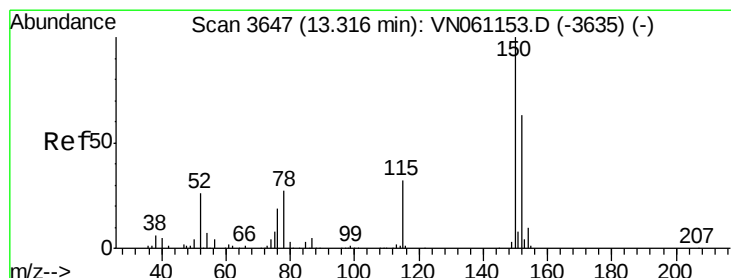
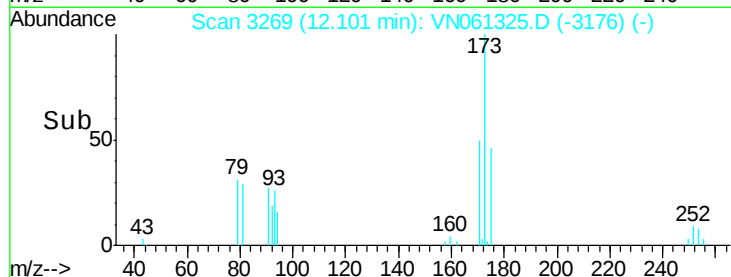
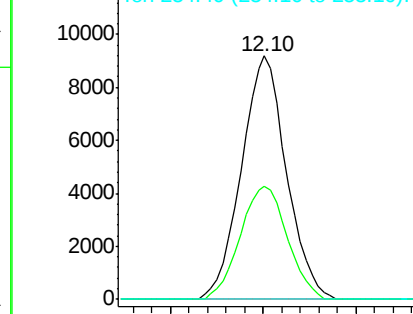
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

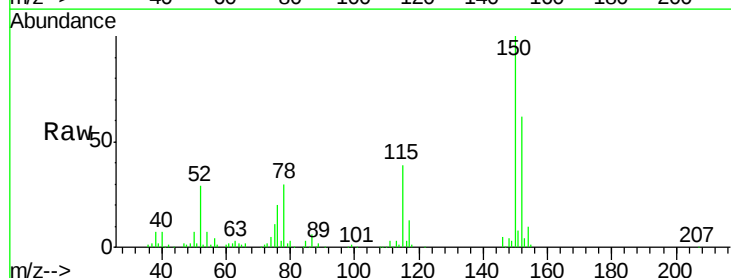
Tgt Ion:152 Resp: 72015

Ion Ratio Lower Upper

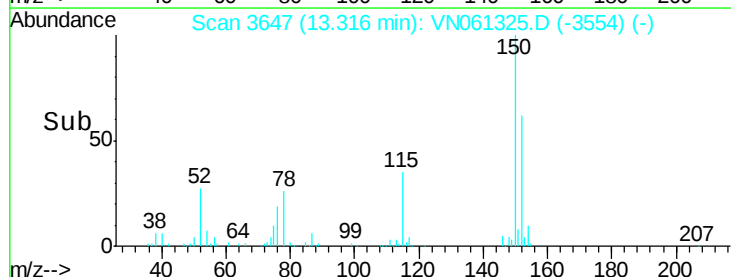
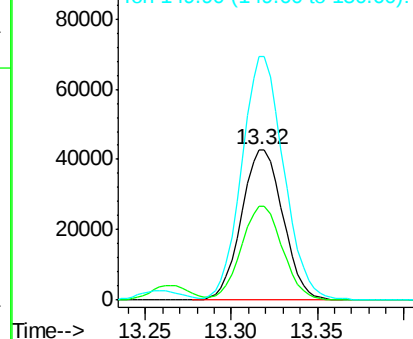
152 100

115 61.8 31.0 93.0

150 164.3 0.0 351.8



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: 19.426 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion: 105 Resp: 102842

Ion Ratio Lower Upper

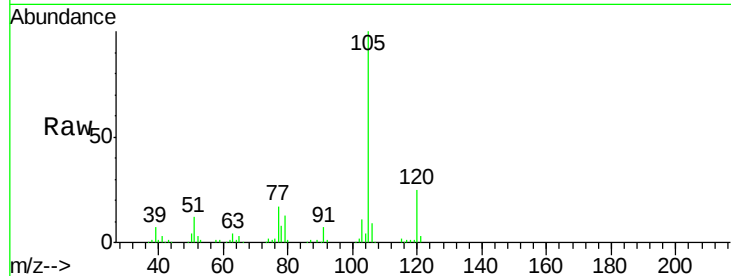
105 100

120 25.7 12.6 37.8

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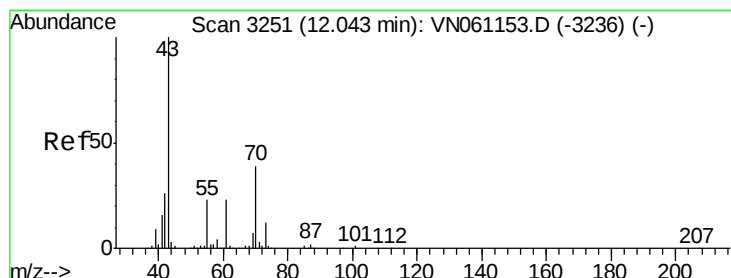
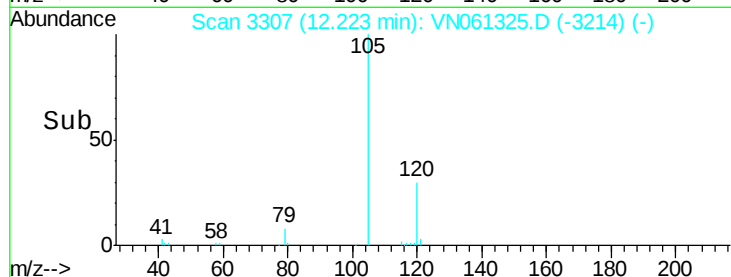
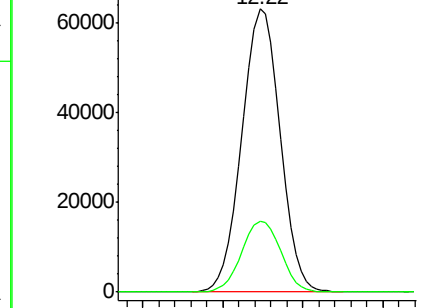
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.485 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Tgt Ion: 43 Resp: 49556

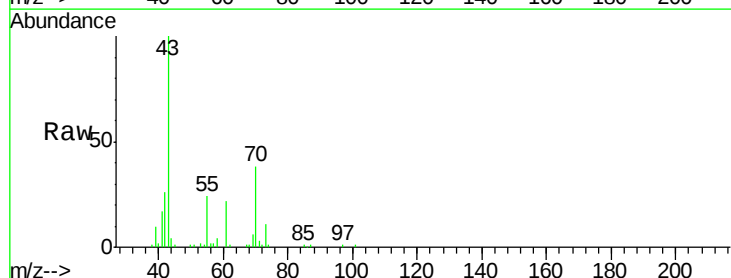
Ion Ratio Lower Upper

43 100

70 37.6 30.6 46.0

55 23.8 18.5 27.7

61 21.4 17.9 26.9

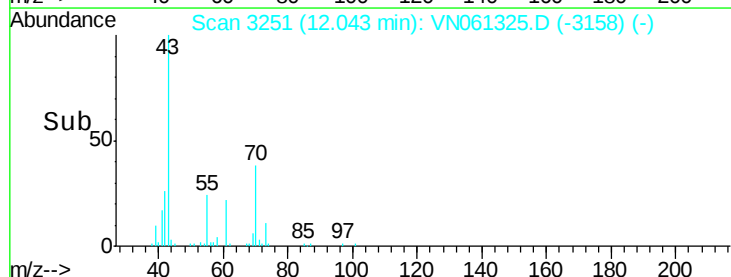
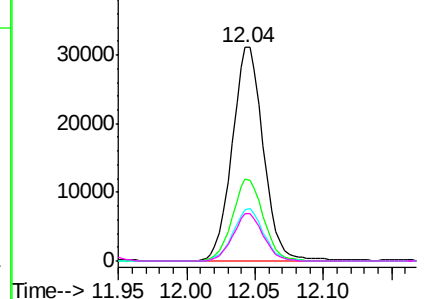


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.314 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

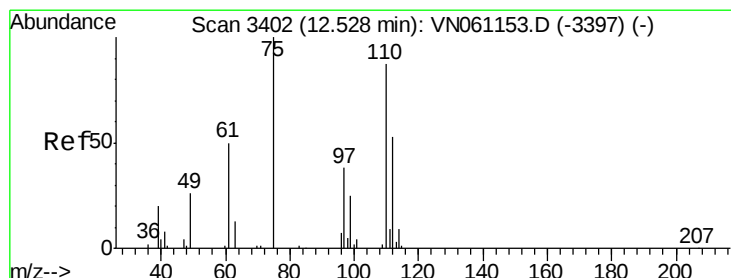
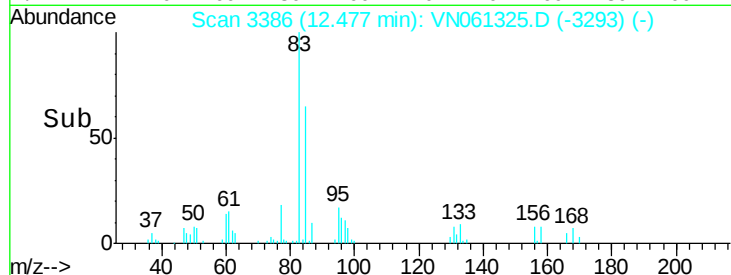
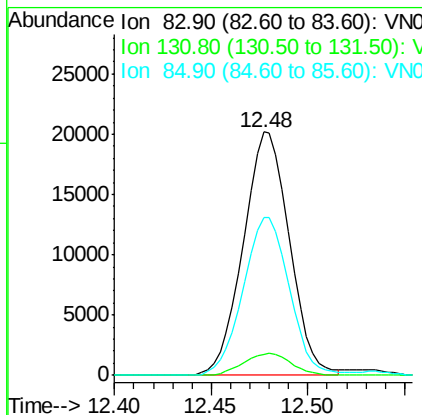
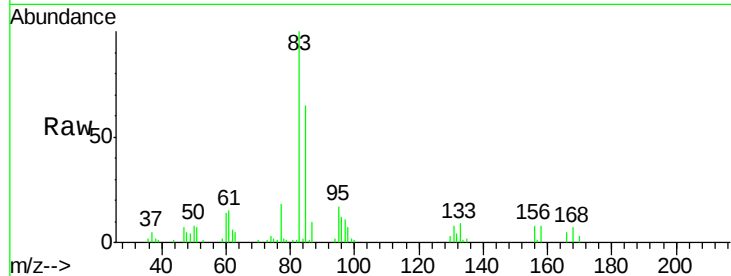
ClientSampleId :

VN0507WBS01

Tot Ion:	83	Resp:	33535
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	65.1	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 19.751 ug/l m

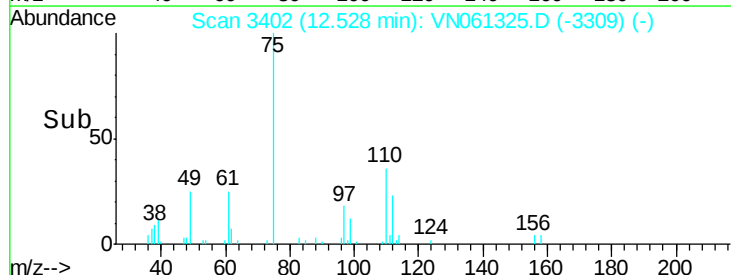
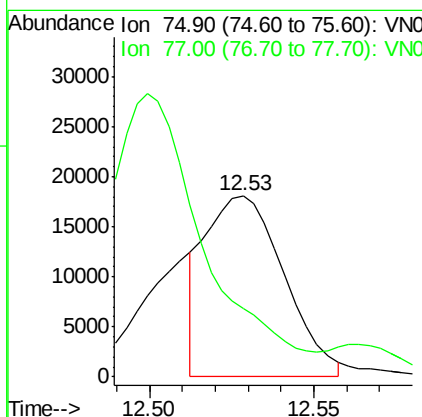
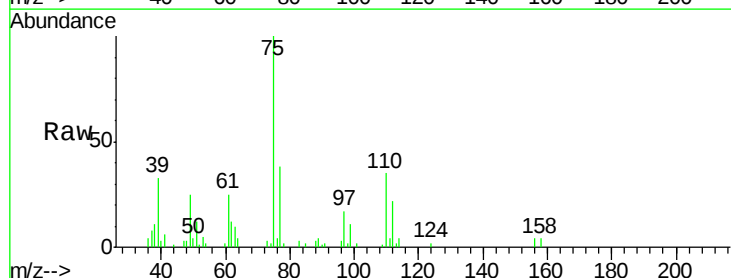
RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Tgt Ion:	75	Resp:	29987
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.789 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0507WBS01

Tot Ion:156 Resp: 24185

Ion Ratio Lower Upper

156 100

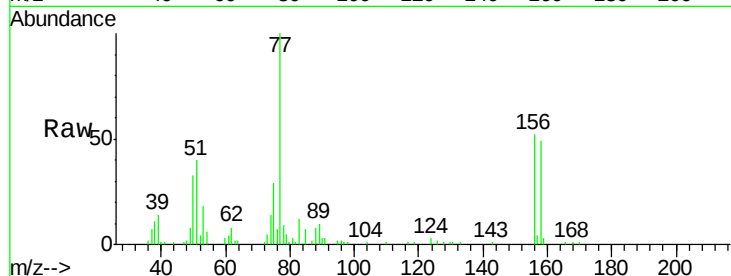
77 240.9 117.4 352.2

158 97.6 48.4 145.0

Manual Integrations
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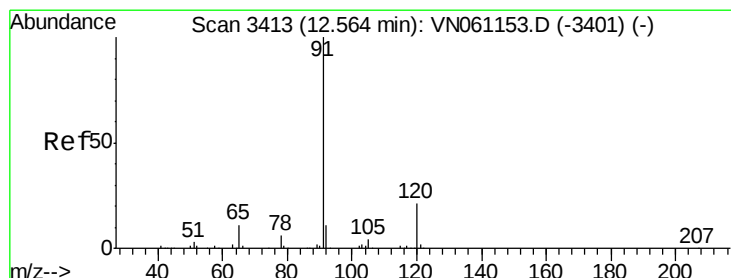
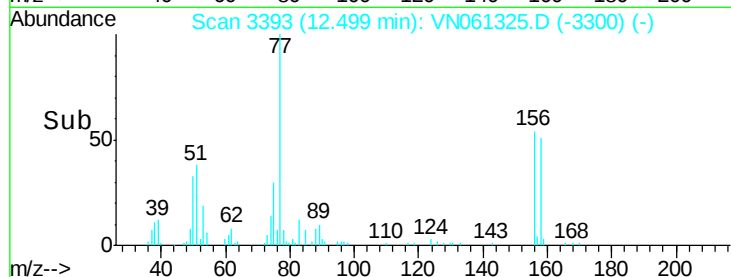
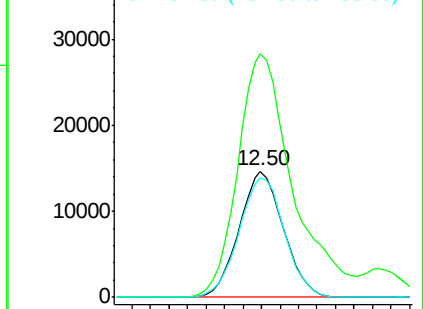
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.733 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061325.D

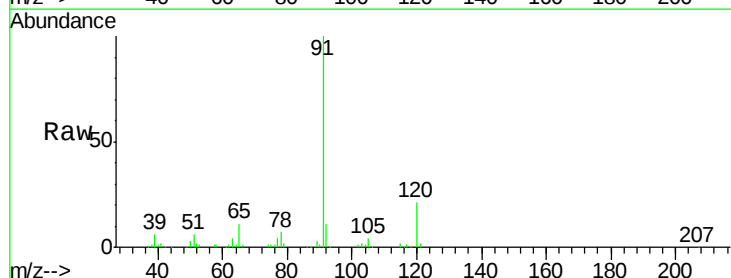
Acq: 7 May 2020 11:40

Tgt Ion: 91 Resp: 123915

Ion Ratio Lower Upper

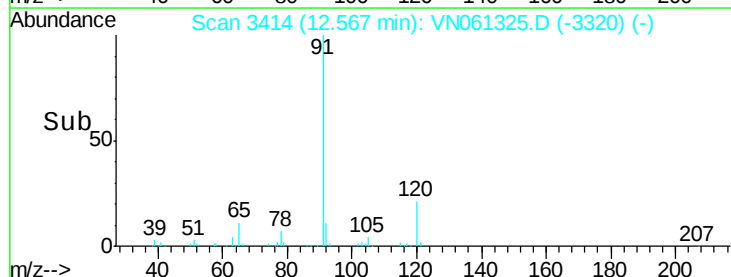
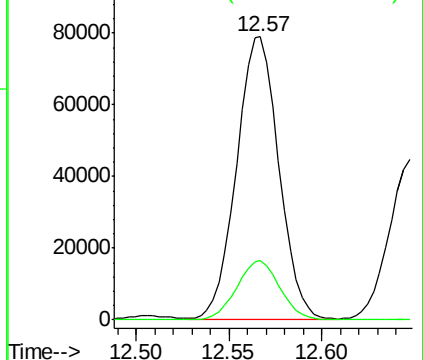
91 100

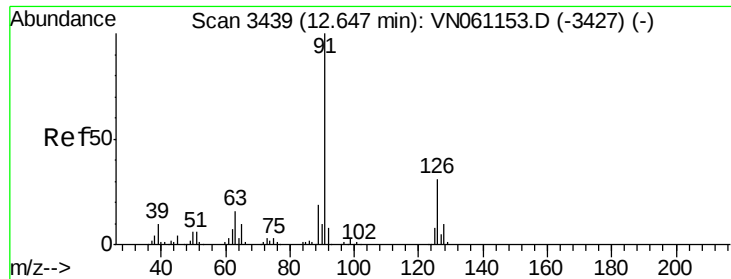
120 21.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





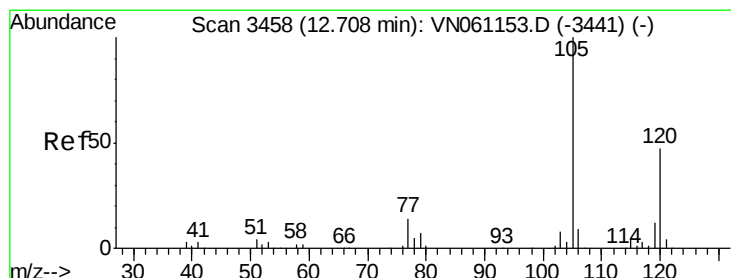
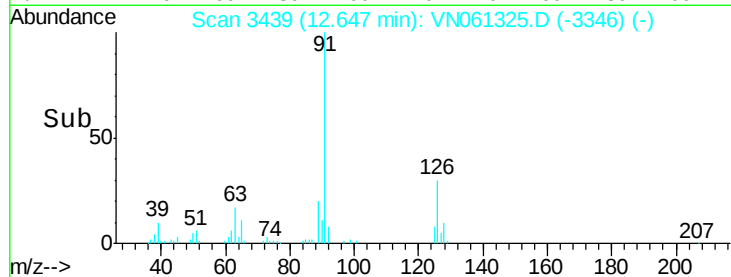
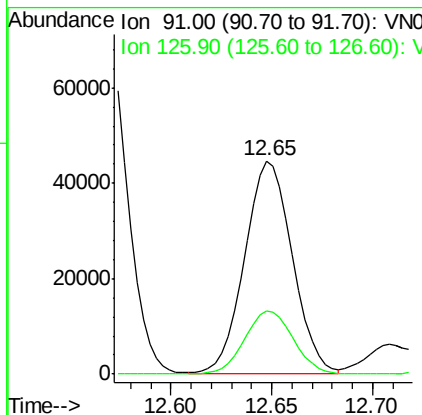
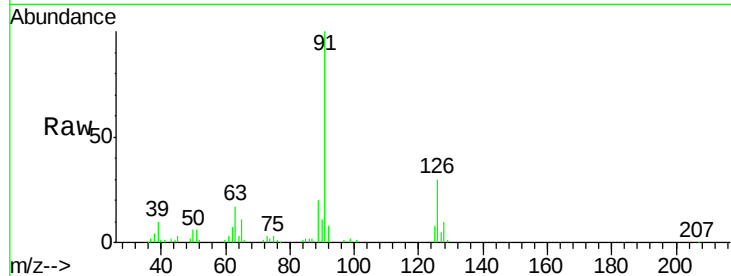
#79
 2-Chlorotoluene
 Concen: 19.901 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion: 91 Resp: 73452
 Ion Ratio Lower Upper
 91 100
 126 30.4 15.9 47.7

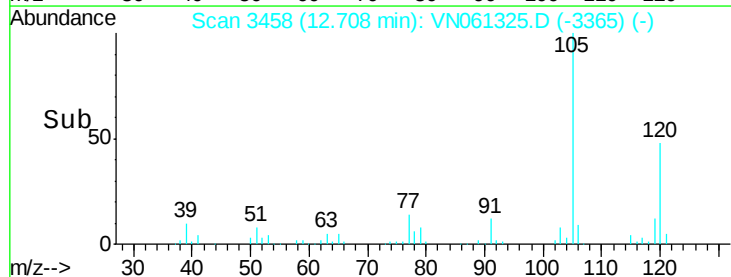
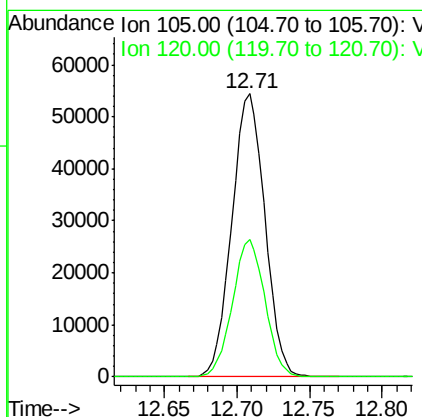
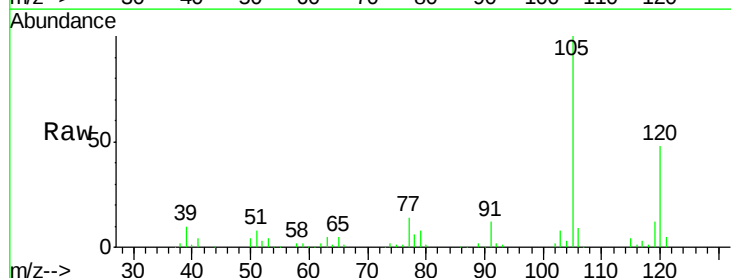
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.689 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion: 105 Resp: 86273
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.952 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

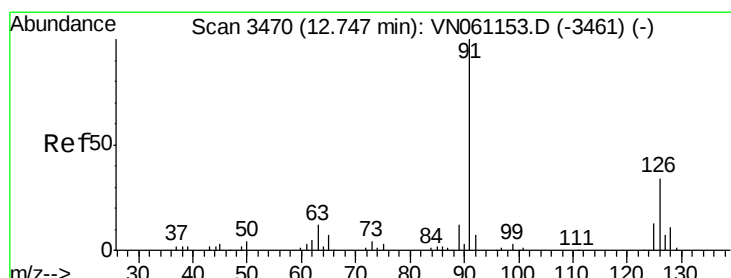
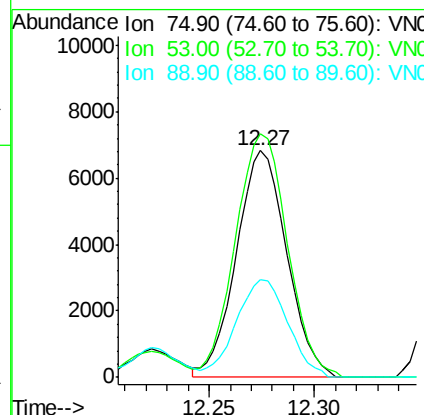
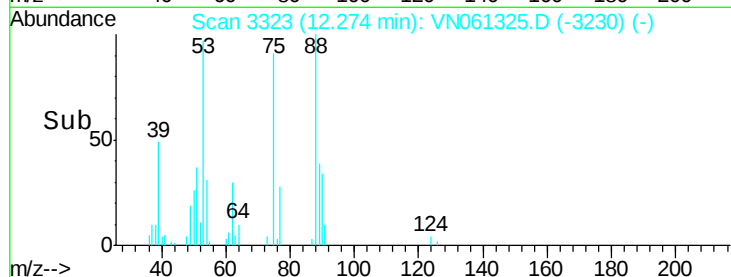
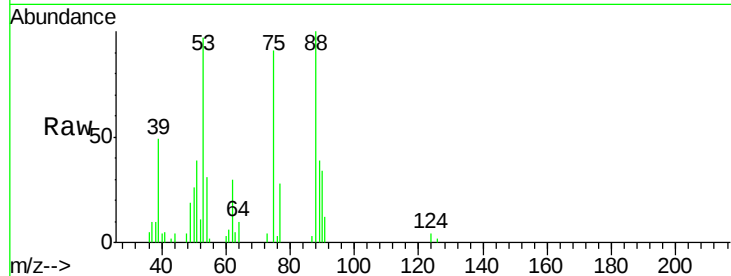
ClientSampleId :

VN0507WBS01

Tot Ion:	75	Resp:	11331
Ion	Ratio	Lower	Upper
75	100		
53	111.5	84.1	126.1
89	44.1	35.2	52.8

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#82

4-Chlorotoluene

Concen: 20.072 ug/l

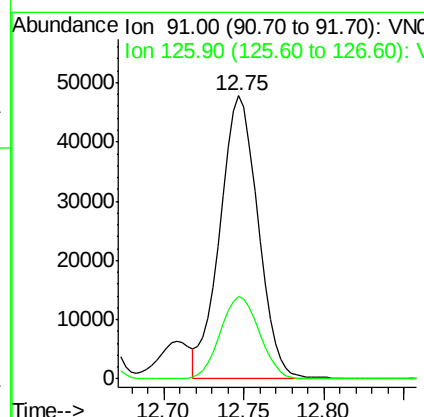
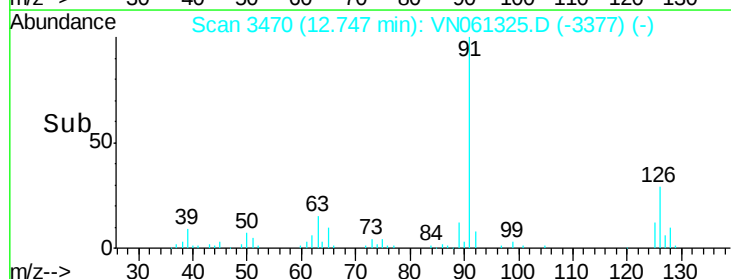
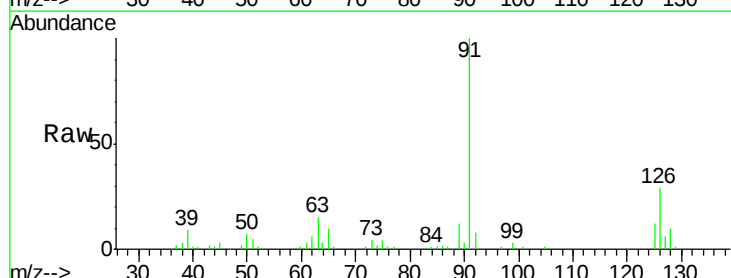
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Tgt Ion:	91	Resp:	78083
Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.7	47.1





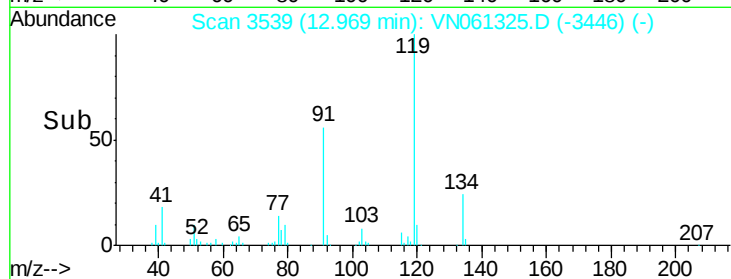
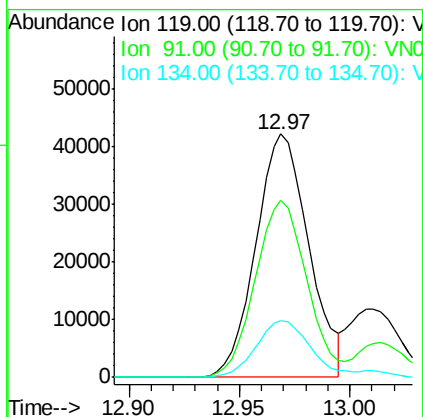
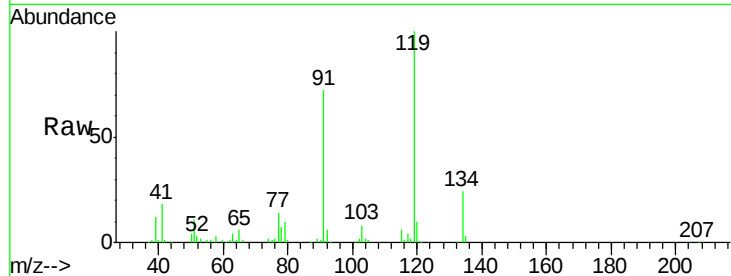
#83
 tert-Butylbenzene
 Concen: 18.989 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.2	34.8	104.4
134	23.9	12.9	38.7

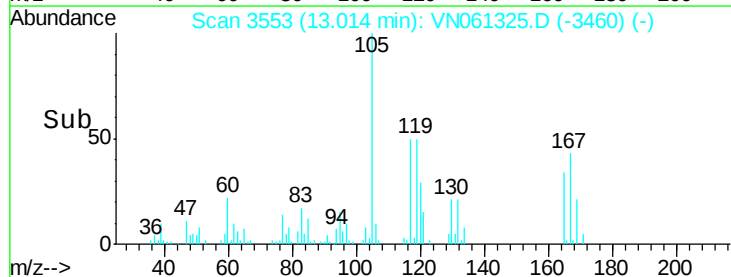
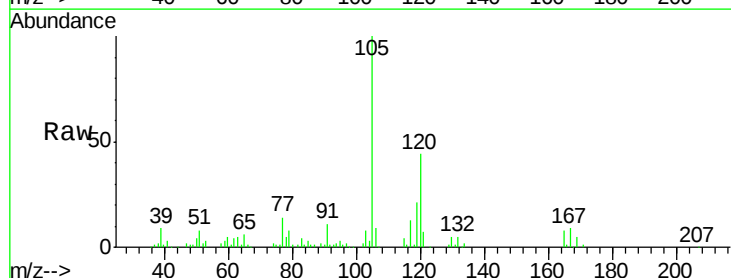
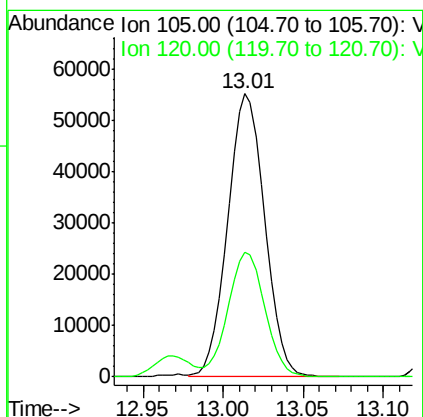
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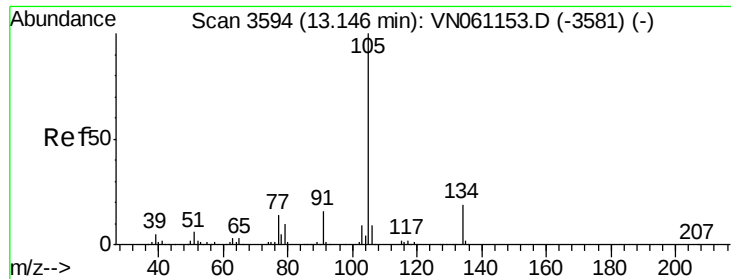
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.252 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.2	66.6





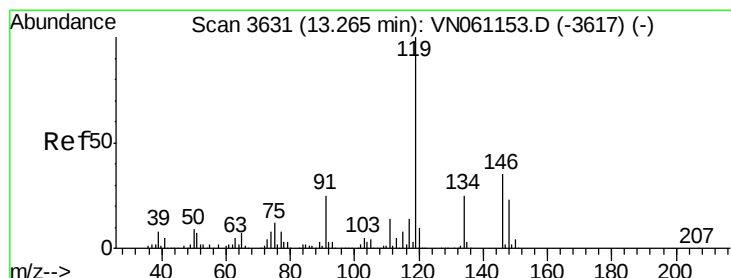
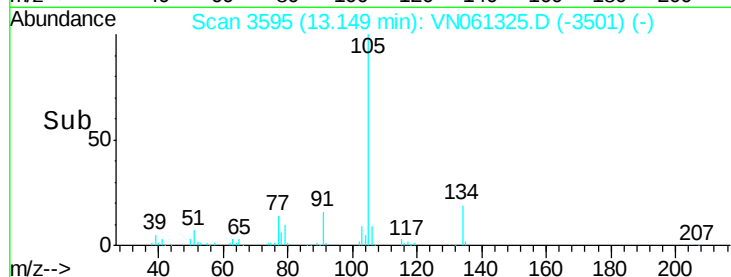
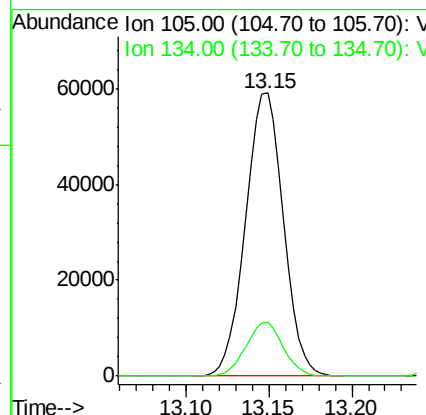
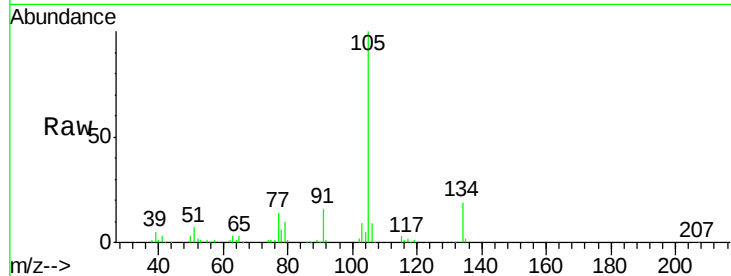
#85
 sec-Butylbenzene
 Concen: 18.659 ug/l
 RT: 13.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.6	28.8

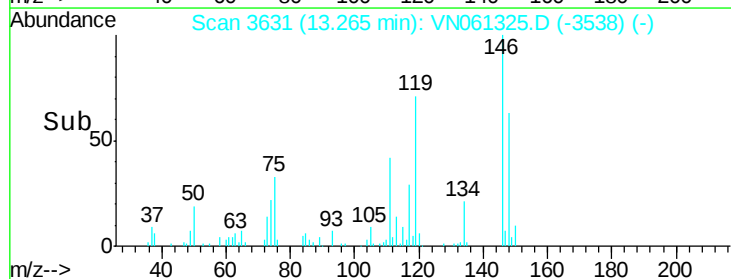
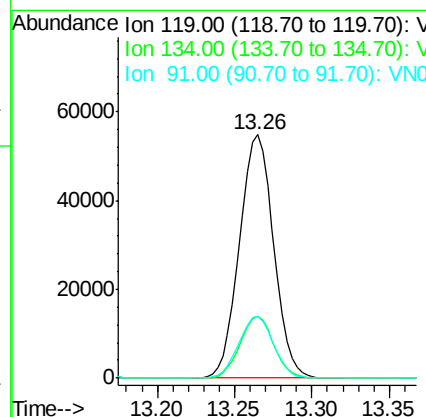
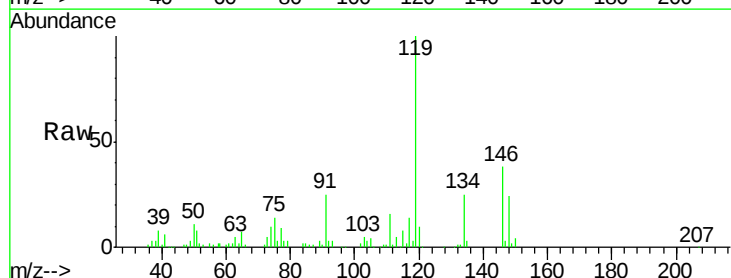
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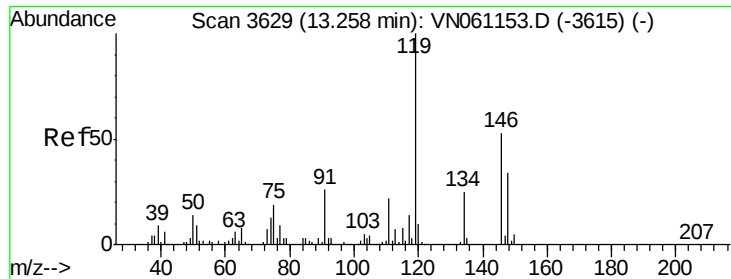
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#86
 p-Isopropyltoluene
 Concen: 18.550 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.6	37.6
91	25.7	12.7	38.0





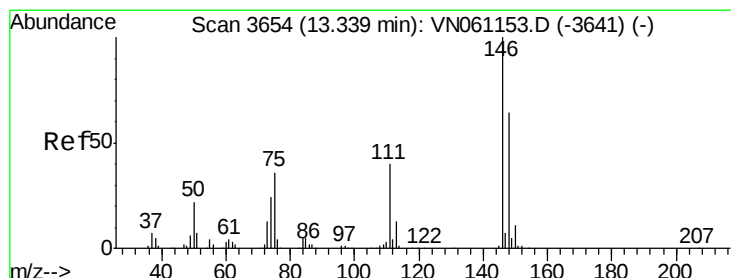
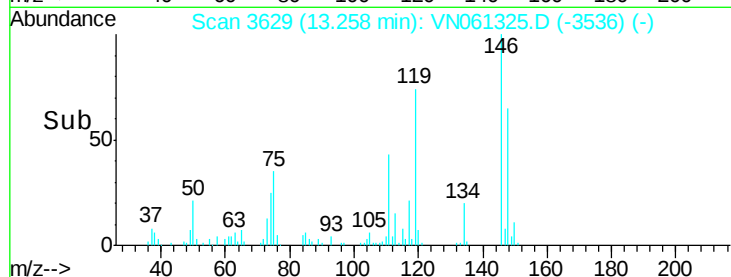
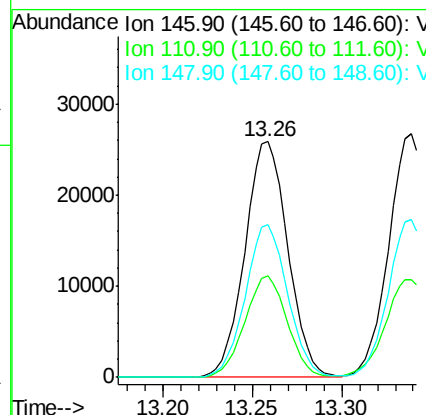
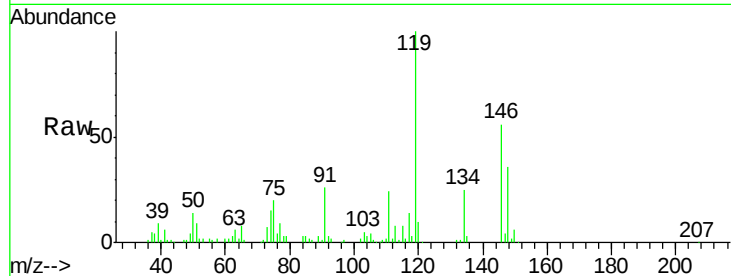
#87
 1,3-Dichlorobenzene
 Concen: 19.354 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.7	62.1
148	63.6	31.8	95.3

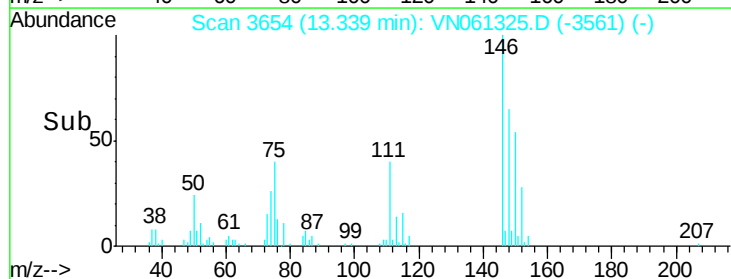
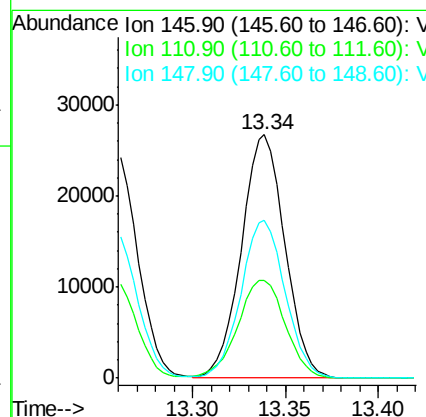
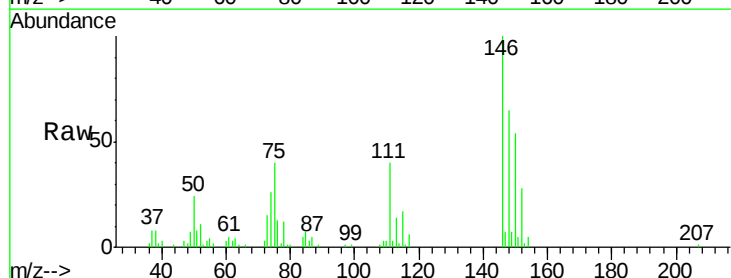
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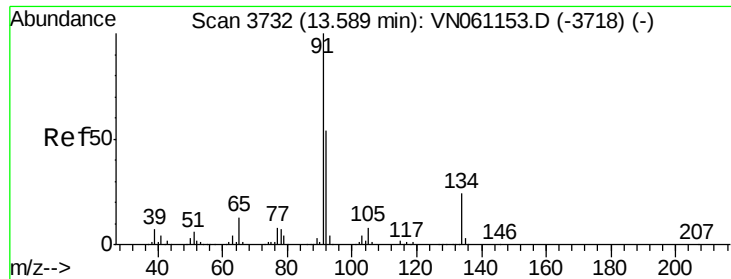
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#88
 1,4-Dichlorobenzene
 Concen: 18.950 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.4	61.3
148	65.9	31.9	95.7





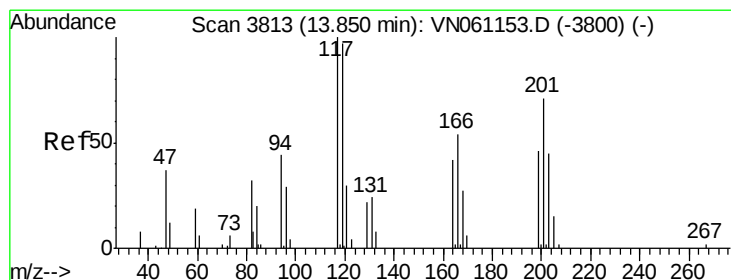
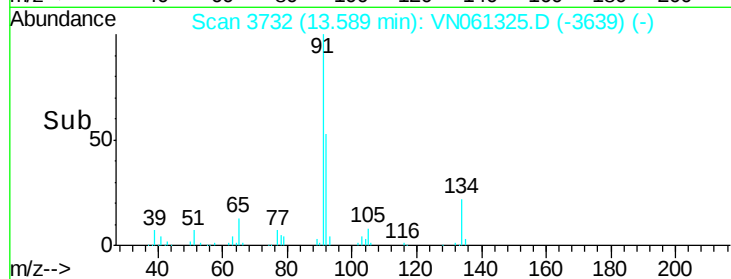
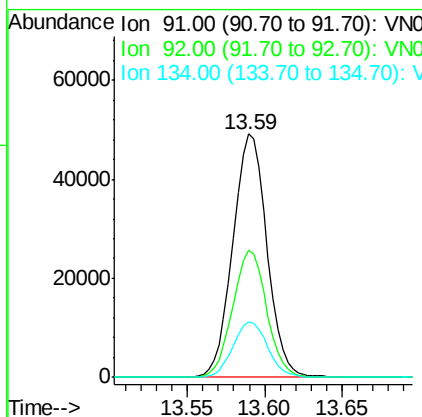
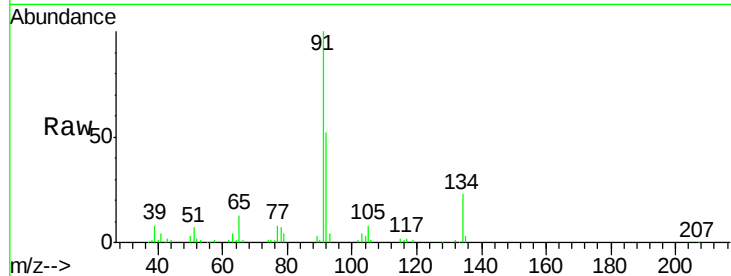
#89
n-Butylbenzene
Concen: 18.055 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.8	80.3
134	23.2	11.9	35.5

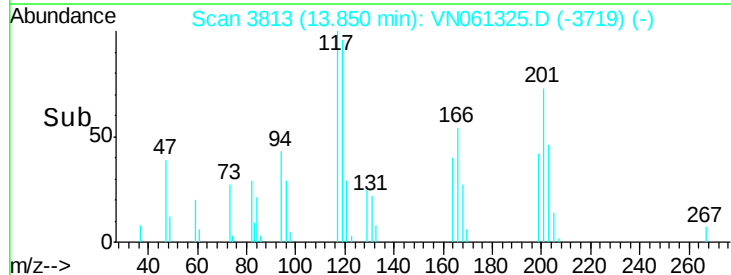
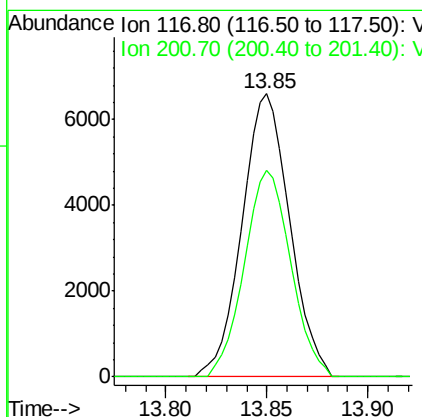
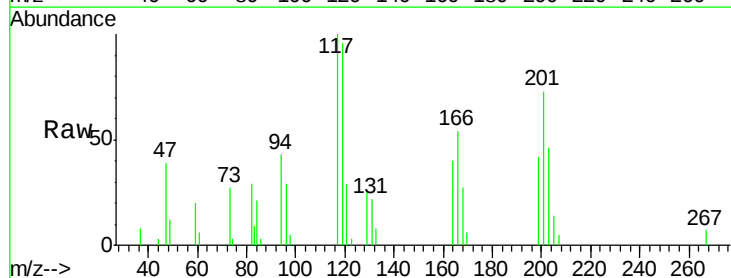
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#90
Hexachloroethane
Concen: 27.164 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.5	106.7





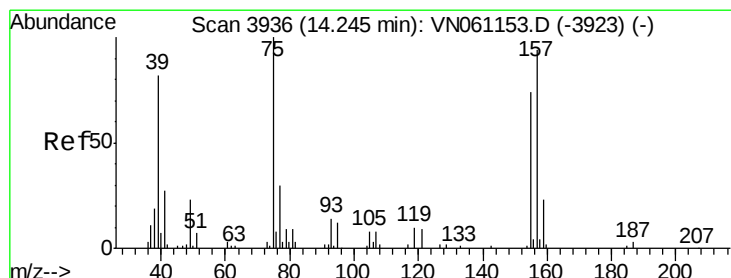
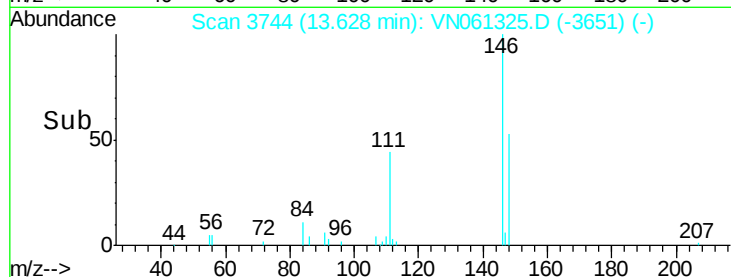
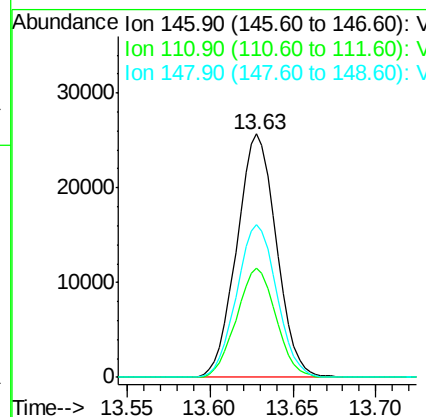
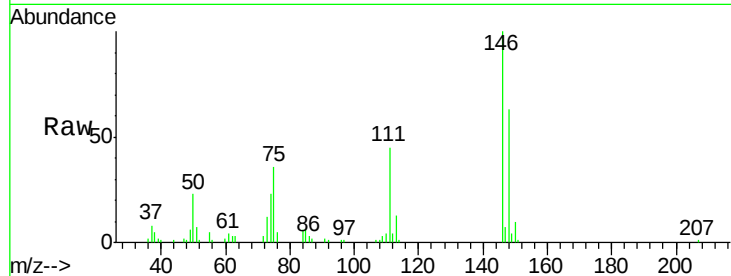
#91
 1,2-Dichlorobenzene
 Concen: 19.742 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.8	65.3
148	63.4	31.6	95.0

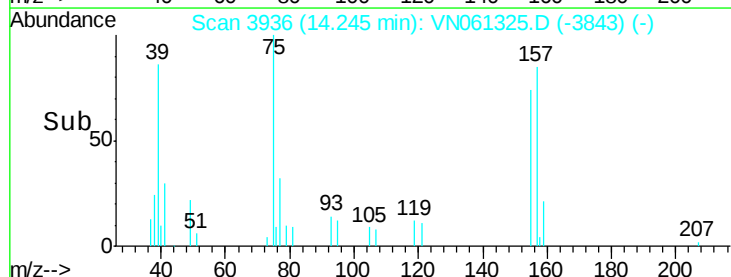
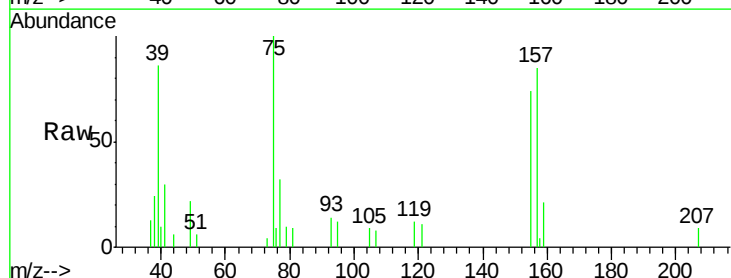
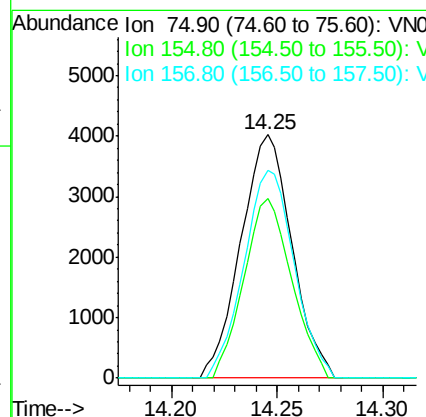
Manual Integrations
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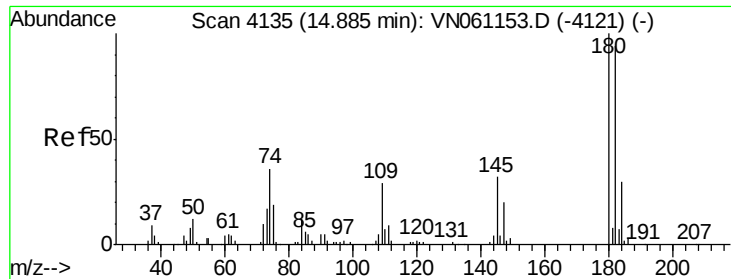
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.435 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061325.D
 Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.9	36.5	109.7
157	84.0	46.6	139.7





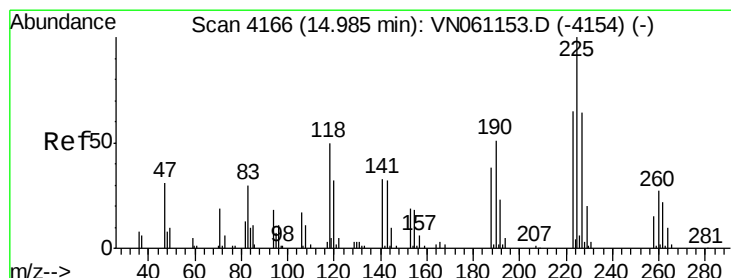
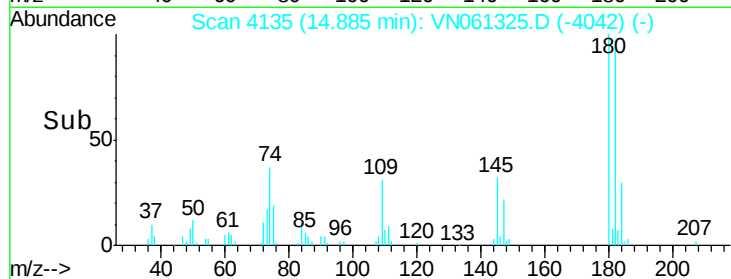
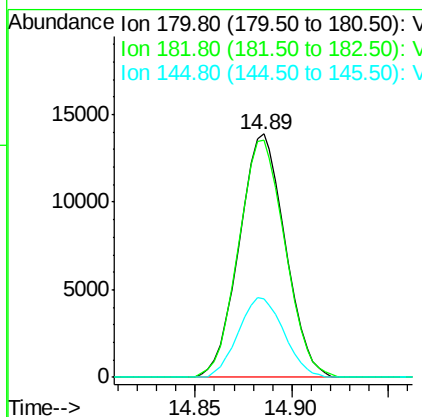
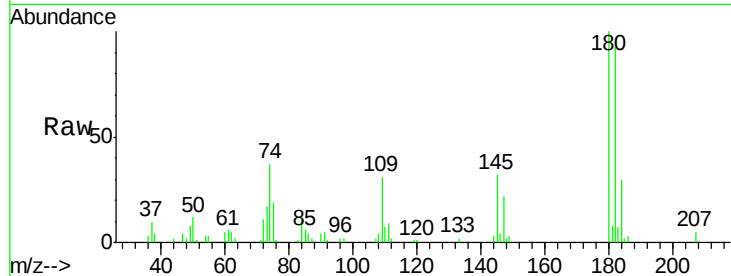
#93
1,2,4-Trichlorobenzene
Concen: 17.464 ug/l
RT: 14.89 min Scan# 4135
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.3	141.9
145	32.4	16.0	47.9

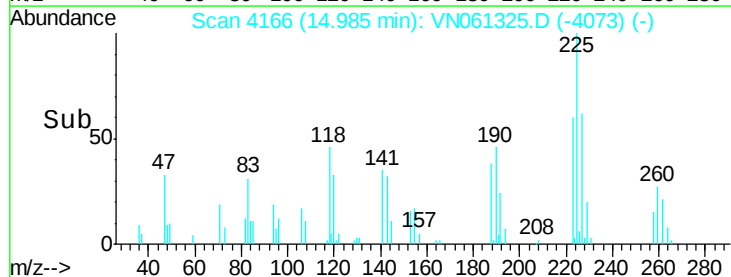
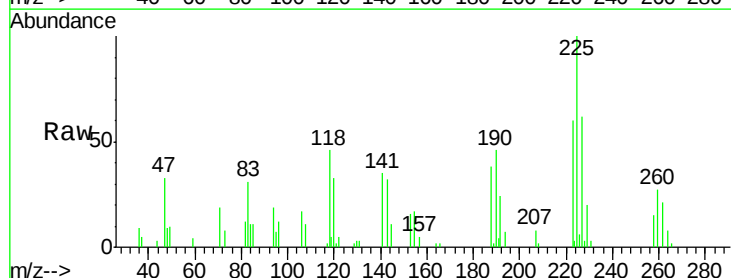
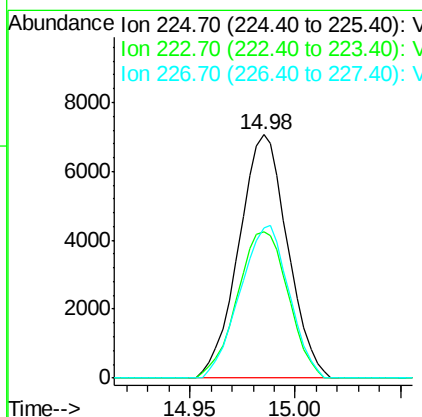
Manual Integrations
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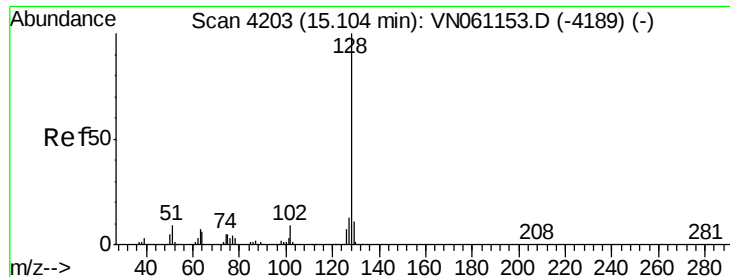
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#94
Hexachlorobutadiene
Concen: 20.676 ug/l
RT: 14.98 min Scan# 4166
Delta R.T. 0.00 min
Lab File: VN061325.D
Acq: 7 May 2020 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.0
227	63.0	32.4	97.0





#95

Naphthalene

Concen: 16.226 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Instrument :

MSVOA_N

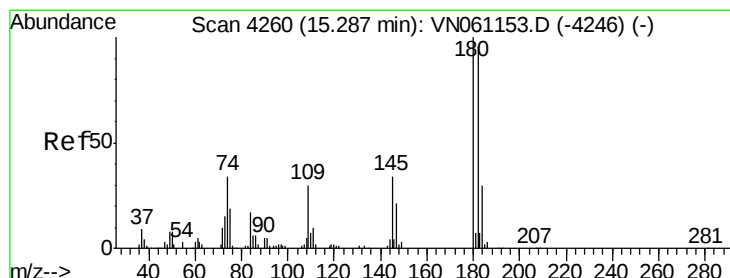
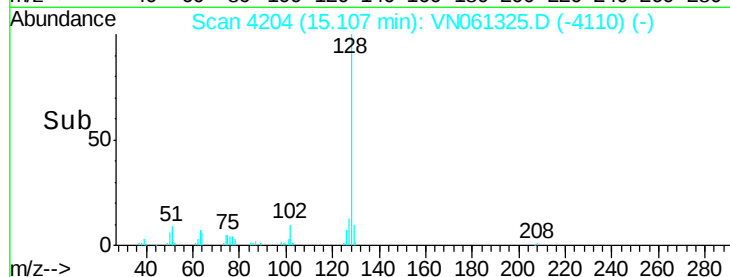
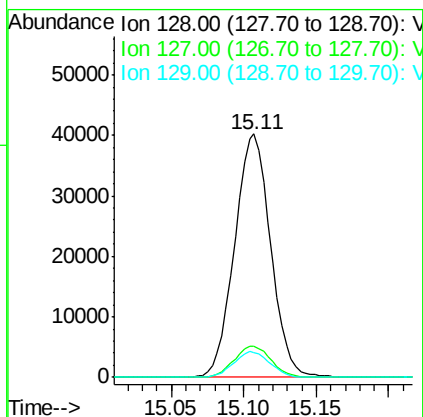
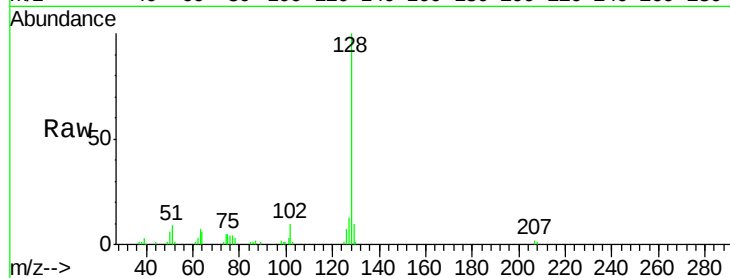
ClientSampleId :

VN0507WBS01

Tot Ion:	128	Resp:	69419
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/8/2020 1:18:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.476 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061325.D

Acq: 7 May 2020 11:40

Tgt Ion:	180	Resp:	22666
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.5	142.5
145	35.3	16.9	50.7

