

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061946.D
 Acq On : 19 Jun 2020 12:46
 Operator : JC/MD
 Sample : VN0619WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Manual Integrations
 APPROVED

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 6/22/2020 1:25:13 PM

Quant Time: Jun 20 07:55:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	158853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	271660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	254415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	117152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	108021	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	7.54	113	91968	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
50) Toluene-d8	10.06	98	354468	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.37	95	120088	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	41092	20.056 ug/l	96
3) Chloromethane	2.03	50	42695	19.363 ug/l	96
4) Vinyl Chloride	2.16	62	53150	20.220 ug/l	98
5) Bromomethane	2.53	94	38887	19.265 ug/l	99
6) Chloroethane	2.67	64	35473	19.940 ug/l	98
7) Trichlorofluoromethane	2.98	101	63267	20.150 ug/l	99
8) Diethyl Ether	3.37	74	21731	20.587 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	33573	20.842 ug/l	98
10) Methyl Iodide	3.91	142	37510	22.561 ug/l	99
11) Tert butyl alcohol	4.73	59	27197	92.252 ug/l	100
12) 1,1-Dichloroethene	3.69	96	32762	20.298 ug/l	96
13) Acrolein	3.56	56	15130	85.868 ug/l	97
14) Allyl chloride	4.27	41	41967	19.591 ug/l	97
15) Acrylonitrile	4.93	53	72740	99.576 ug/l	99
16) Acetone	3.77	43	62763	99.735 ug/l	96
17) Carbon Disulfide	4.01	76	89521	18.956 ug/l	100
18) Methyl Acetate	4.27	43	36239	20.002 ug/l	100
19) Methyl tert-butyl Ether	4.99	73	104398	19.427 ug/l	98
20) Methylene Chloride	4.50	84	38781	18.915 ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	35945	19.389 ug/l	91
22) Diisopropyl ether	5.90	45	95478	19.488 ug/l	96
23) Vinyl Acetate	5.84	43	367115	95.274 ug/l	99
24) 1,1-Dichloroethane	5.79	63	63610	19.834 ug/l	99
25) 2-Butanone	6.78	43	90736	98.825 ug/l	98
26) 2,2-Dichloropropane	6.77	77	53112	19.684 ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	41021	19.177 ug/l	96
28) Bromochloromethane	7.15	49	29996	21.006 ug/l	97
29) Tetrahydrofuran	7.16	42	58652	97.068 ug/l	100
30) Chloroform	7.33	83	65508	19.112 ug/l	97
31) Cyclohexane	7.61	56	53454	19.040 ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	55482	19.007 ug/l	98
36) 1,1-Dichloropropene	7.75	75	48242	19.469 ug/l	99
37) Ethyl Acetate	6.88	43	39406	20.365 ug/l	97
38) Carbon Tetrachloride	7.73	117	47550	19.378 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	54225	20.323	ug/l	97
40) Benzene	8.00	78	148002	19.718	ug/l	96
41) Methacrylonitrile	7.13	41	16947m	20.482	ug/l	
42) 1,2-Dichloroethane	8.08	62	51584	20.155	ug/l	99
43) Isopropyl Acetate	8.12	43	63318	19.418	ug/l	99
44) Trichloroethene	8.80	130	38718	19.600	ug/l	99
45) 1,2-Dichloropropane	9.08	63	36713	19.903	ug/l	96
46) Dibromomethane	9.17	93	25874	19.919	ug/l	97
47) Bromodichloromethane	9.37	83	51870	19.502	ug/l	98
48) Methyl methacrylate	9.17	41	29022	19.571	ug/l	96
49) 1,4-Dioxane	9.17	88	13193	387.505	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	188236	97.686	ug/l	100
52) Toluene	10.12	92	94784	20.107	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	55148	19.531	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	61156	19.941	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	38184	20.588	ug/l	98
56) Ethyl methacrylate	10.40	69	47761	18.783	ug/l	98
57) 1,3-Dichloropropane	10.68	76	62486	19.887	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	78140	79.828	ug/l	100
59) 2-Hexanone	10.72	43	133786	95.651	ug/l	100
60) Dibromochloromethane	10.87	129	40779	19.704	ug/l	100
61) 1,2-Dibromoethane	10.98	107	37656	19.444	ug/l	99
64) Tetrachloroethene	10.60	164	32020	19.746	ug/l	98
65) Chlorobenzene	11.41	112	102479	19.089	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	36372	19.426	ug/l	97
67) Ethyl Benzene	11.48	91	175658	19.516	ug/l	99
68) m/p-Xylenes	11.60	106	137314	39.564	ug/l	99
69) o-Xylene	11.92	106	64849	19.582	ug/l	100
70) Styrene	11.94	104	107211	19.335	ug/l	99
71) Bromoform	12.10	173	25080	18.371	ug/l #	99
73) Isopropylbenzene	12.22	105	171294	20.576	ug/l	100
74) N-amyl acetate	12.04	43	50782	18.876	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	53664	19.827	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	43892m	19.084	ug/l	
77) Bromobenzene	12.50	156	42215	20.100	ug/l	99
78) n-propylbenzene	12.56	91	195803	20.613	ug/l	100
79) 2-Chlorotoluene	12.65	91	114660	20.098	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	142103	20.632	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	17103	20.281	ug/l	98
82) 4-Chlorotoluene	12.75	91	118461	20.095	ug/l	100
83) tert-Butylbenzene	12.97	119	117516	20.126	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	139366	20.499	ug/l	99
85) sec-Butylbenzene	13.15	105	156831	20.521	ug/l	100
86) p-Isopropyltoluene	13.26	119	142325	20.899	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	75251	19.645	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	74986	19.124	ug/l	98
89) n-Butylbenzene	13.59	91	113231	19.909	ug/l	99
90) Hexachloroethane	13.85	117	25218	20.229	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	72116	19.556	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	8710	19.822	ug/l	97

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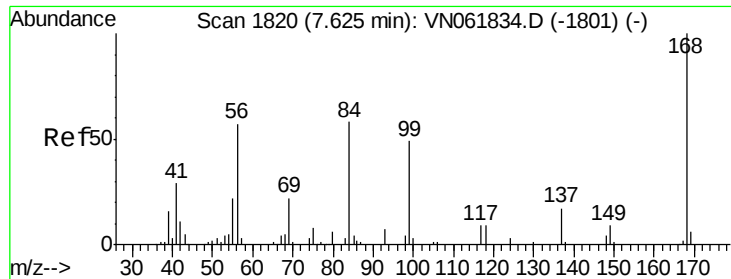
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	33122	19.034	ug/l	99
94) Hexachlorobutadiene	14.98	225	14209	20.732	ug/l	97
95) Naphthalene	15.10	128	89000	17.692	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	32376	18.786	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion:168 Resp: 158853

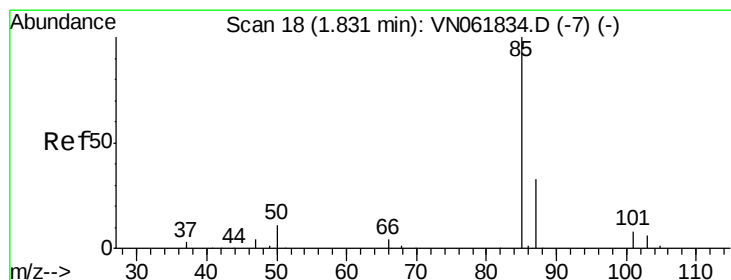
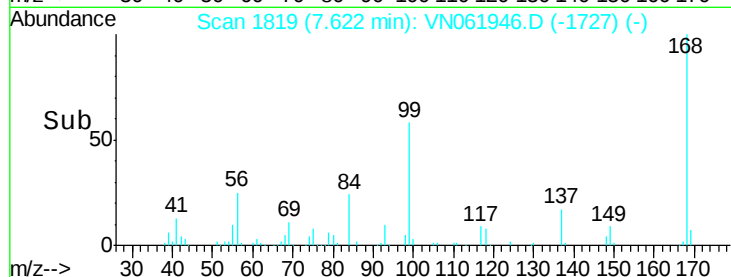
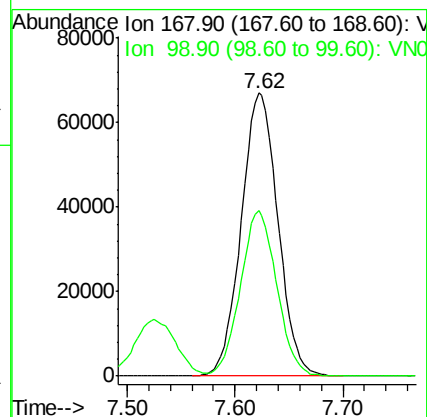
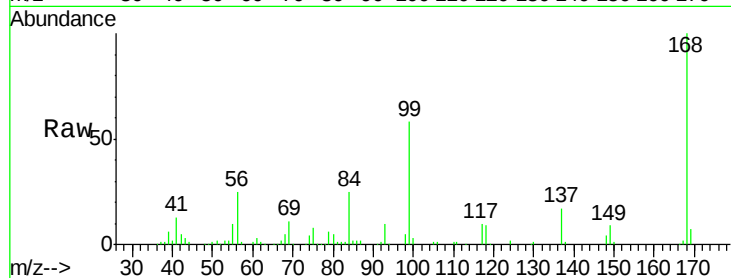
Ion Ratio Lower Upper

168 100

99 58.4 44.6 67.0

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#2

Dichlorodifluoromethane

Concen: 20.056 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061946.D

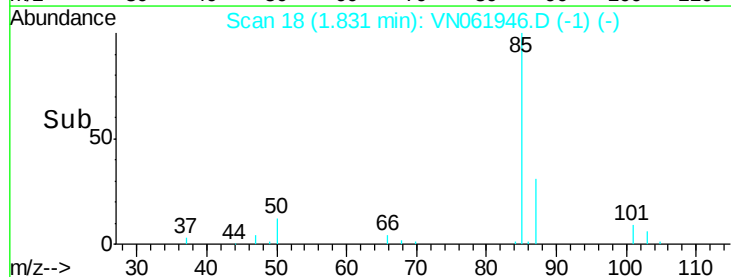
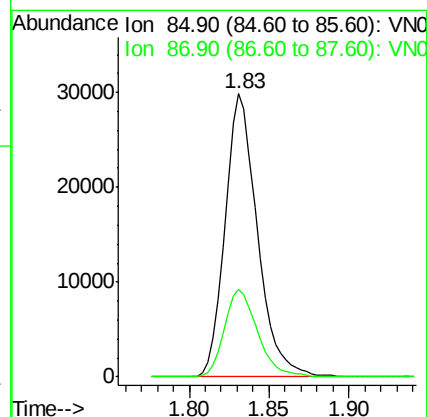
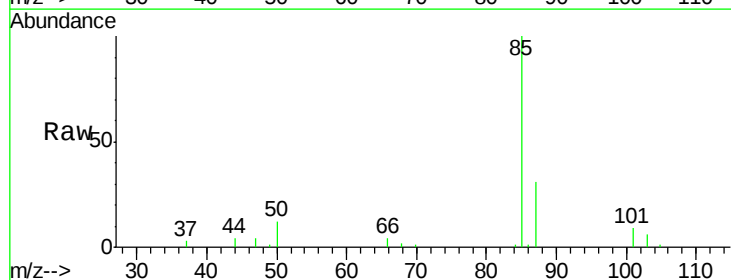
Acq: 19 Jun 2020 12:46

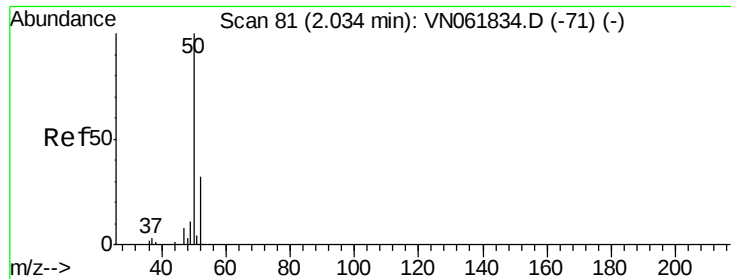
Tgt Ion: 85 Resp: 41092

Ion Ratio Lower Upper

85 100

87 30.7 16.6 49.8





#3

Chloromethane

Concen: 19.363 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 50 Resp: 42695

Ion Ratio Lower Upper

50 100

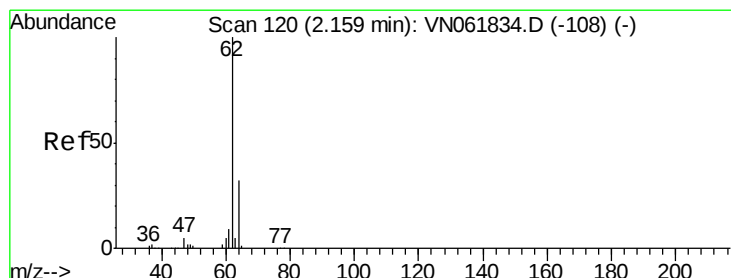
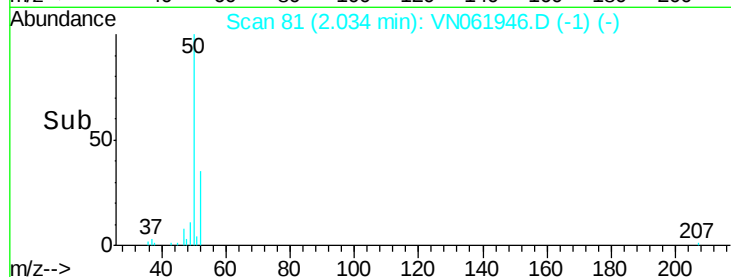
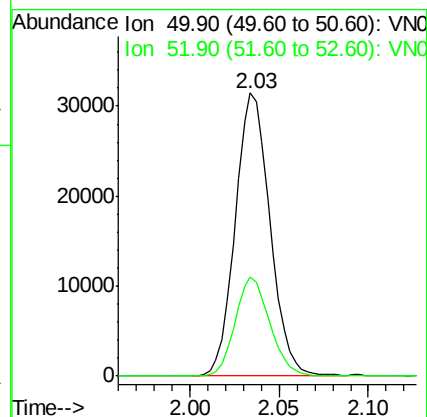
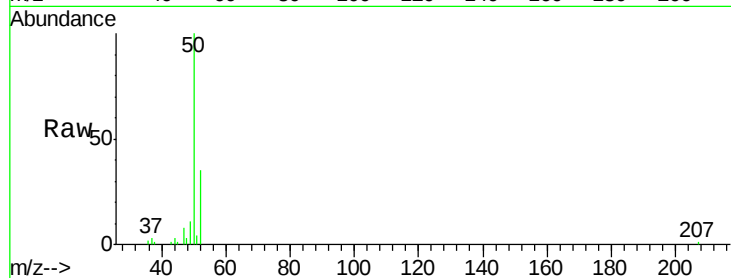
52 35.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.220 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061946.D

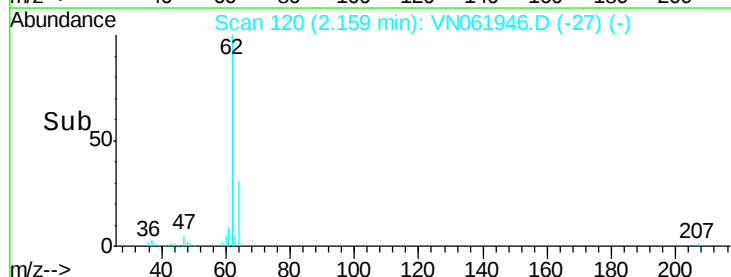
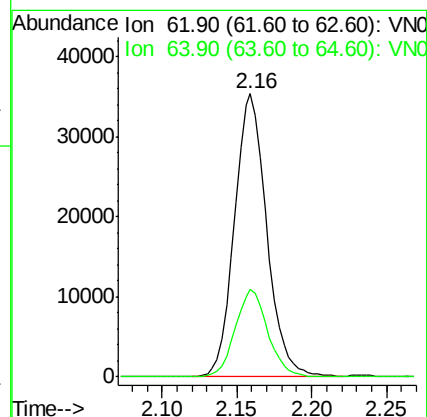
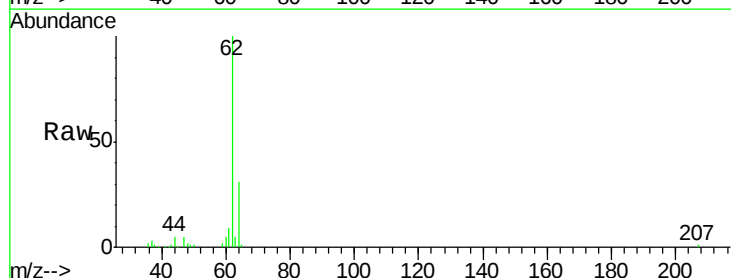
Acq: 19 Jun 2020 12:46

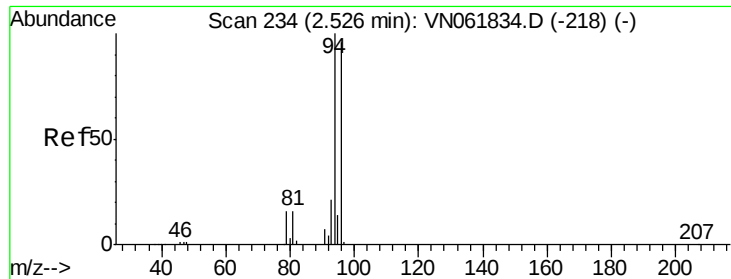
Tgt Ion: 62 Resp: 53150

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 19.265 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 94 Resp: 38887

Ion Ratio Lower Upper

94 100

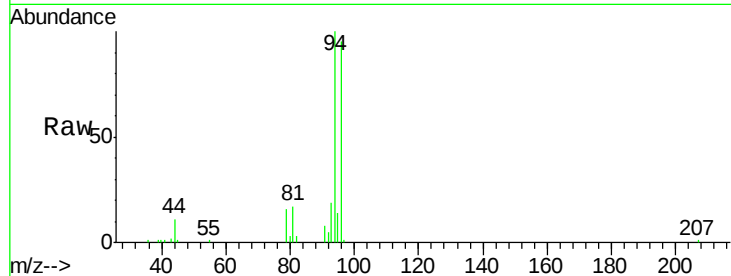
96 94.7 76.7 115.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

15000

10000

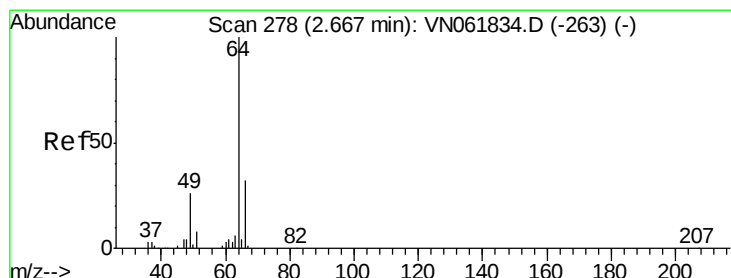
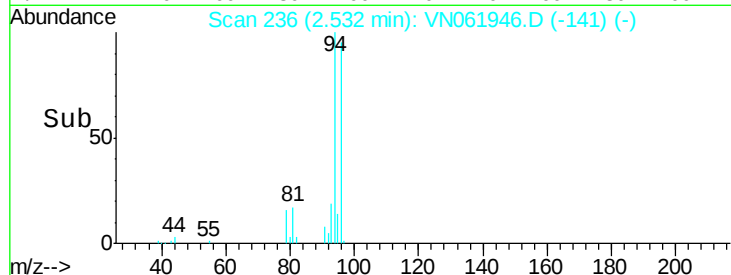
5000

0

Time-->

2.45 2.50 2.55 2.60

2.53



#6

Chloroethane

Concen: 19.940 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061946.D

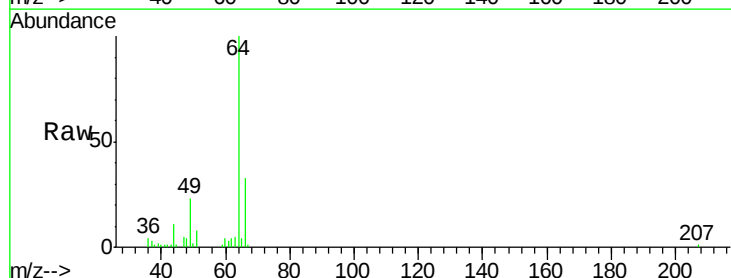
Acq: 19 Jun 2020 12:46

Tgt Ion: 64 Resp: 35473

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

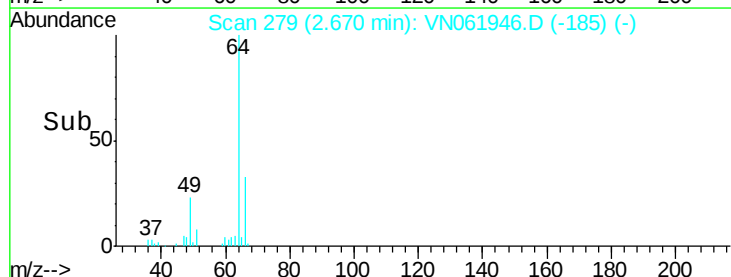
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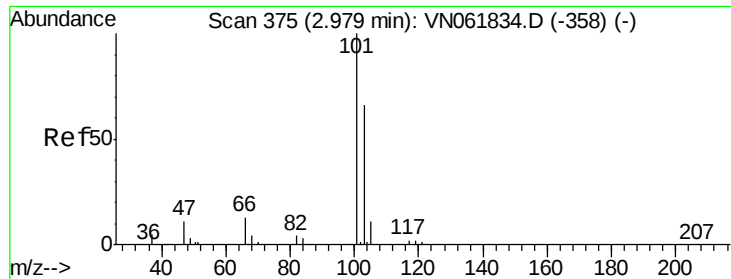
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Time-->

2.60 2.65 2.70 2.75

2.67





#7

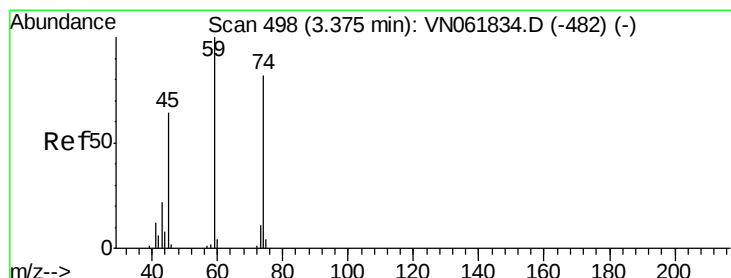
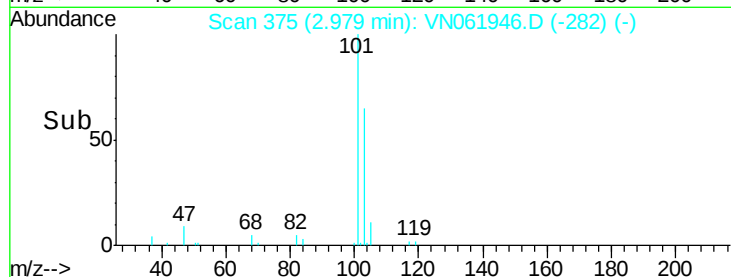
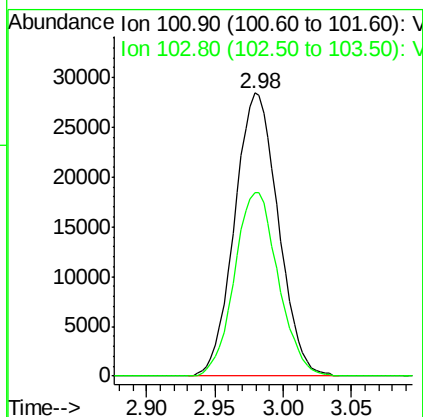
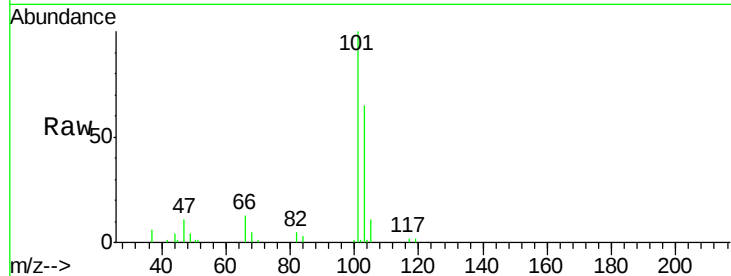
Trichlorofluoromethane
 Concen: 20.150 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		63267		
103	64.9	52.8	79.2		

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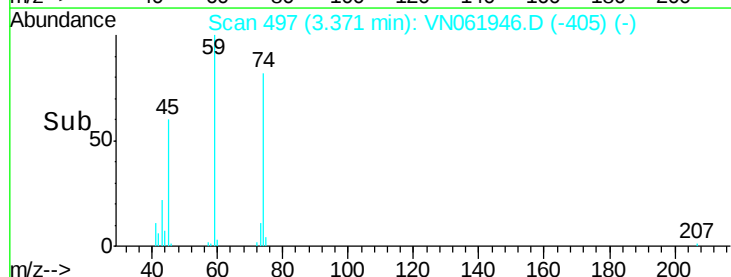
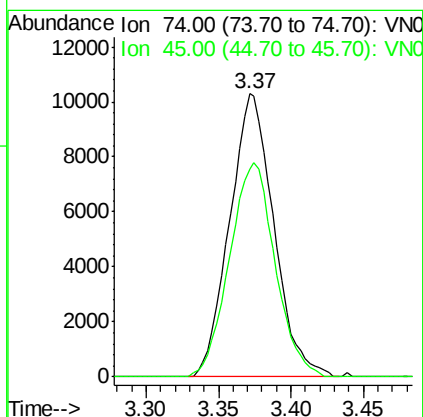
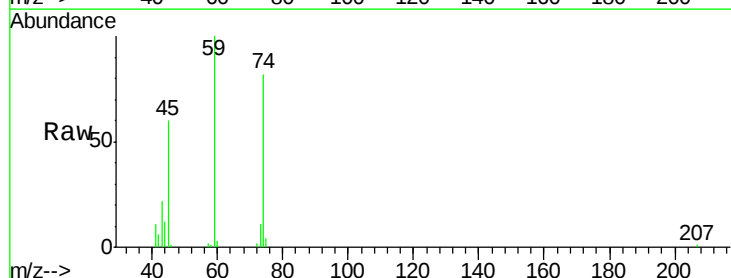
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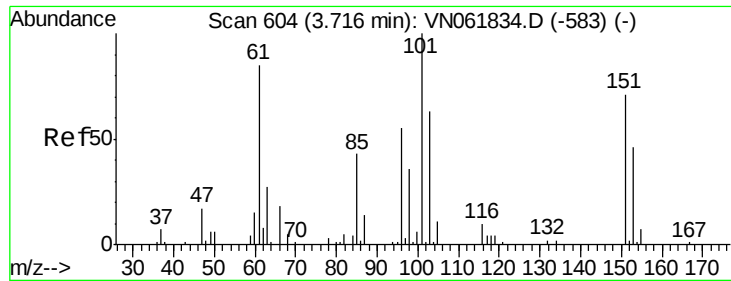


#8

Diethyl Ether
 Concen: 20.587 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		21731		
45	78.2	39.1	117.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.842 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

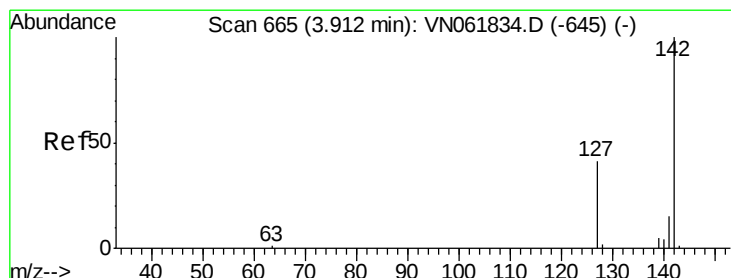
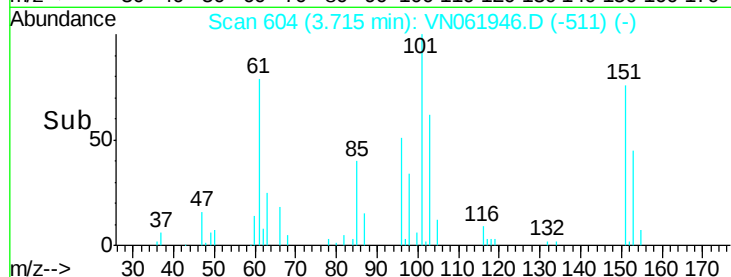
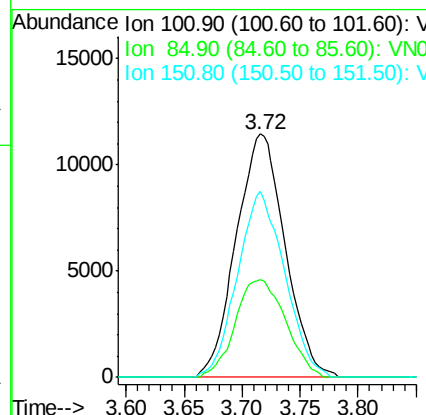
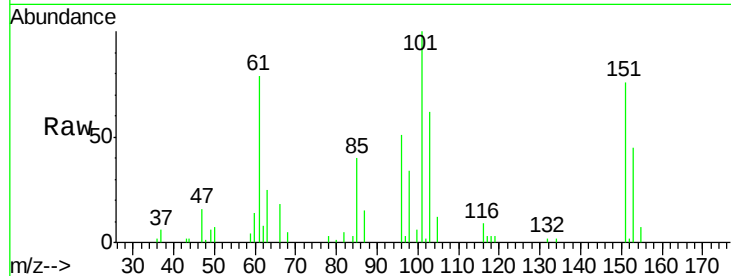
ClientSampleId :

VN0619WBS01

Tot Ion:	101	Resp:	33573
Ion Ratio	Lower	Upper	
101	100		
85	41.2	35.0	52.6
151	73.6	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 22.561 ug/l

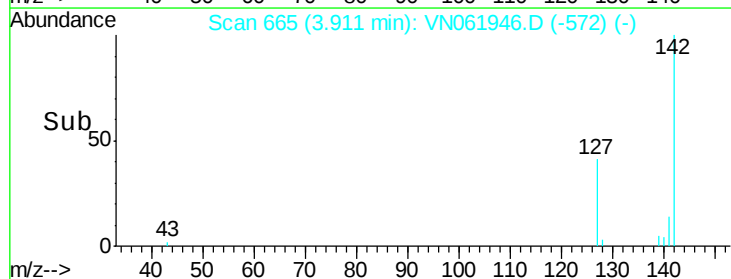
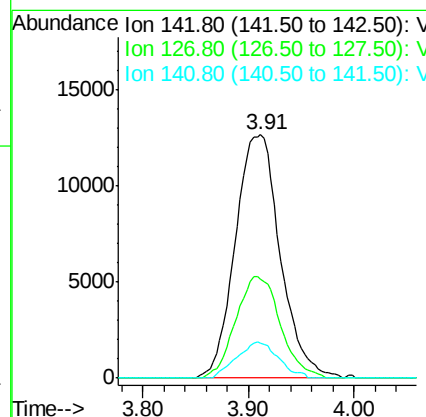
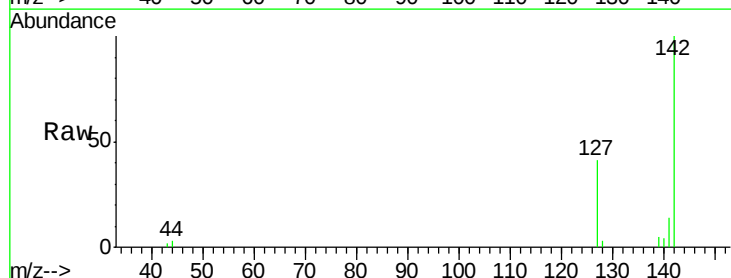
RT: 3.91 min Scan# 665

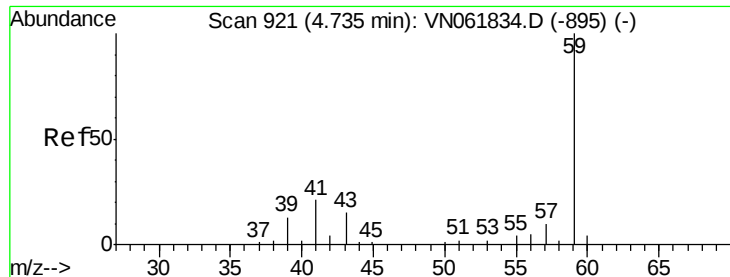
Delta R.T. 0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Tgt Ion:	142	Resp:	37510
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.4	50.0
141	13.7	11.3	16.9





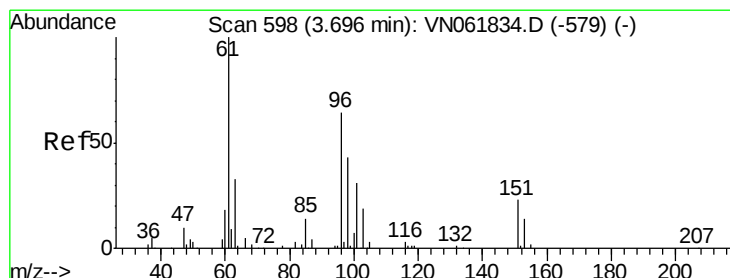
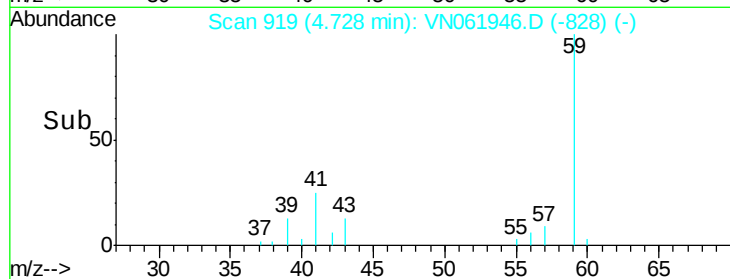
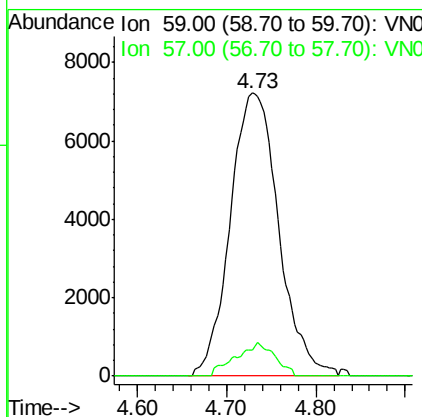
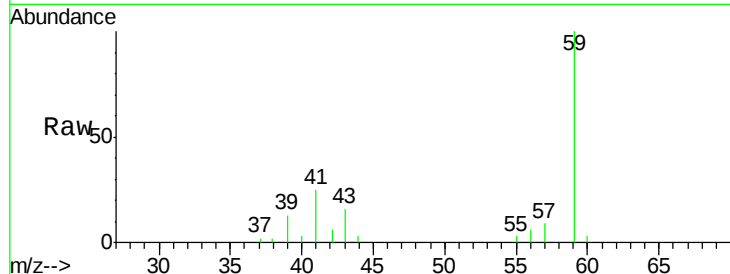
#11
Tert butyl alcohol
Concen: 92.252 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.7	11.5

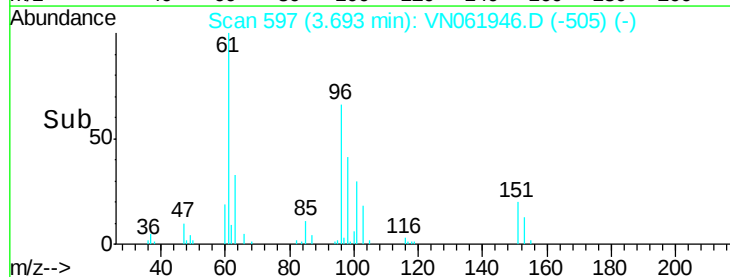
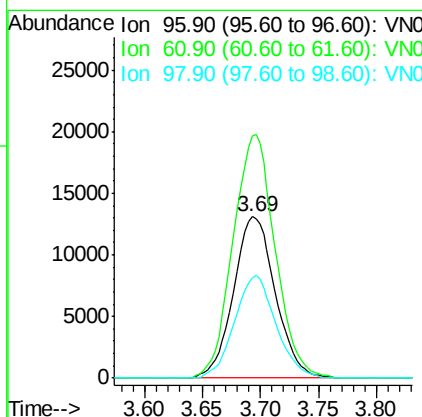
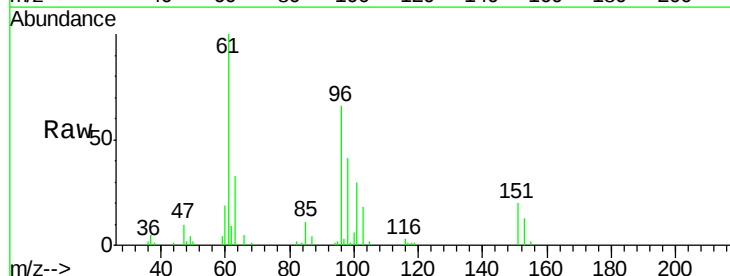
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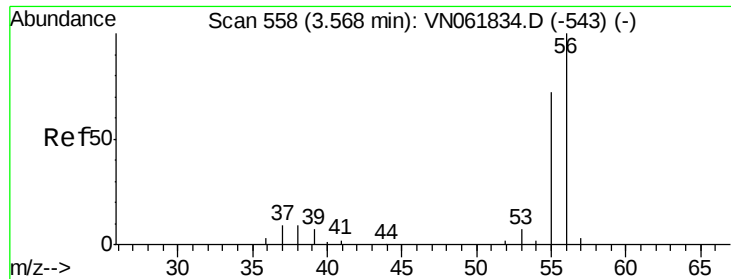
MMDadoda
6/22/2020 1:25:13 PM



#12
1,1-Dichloroethene
Concen: 20.298 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	124.3	186.5
98	61.9	53.1	79.7





#13

Acrolein

Concen: 85.868 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 56 Resp: 15130

Ion Ratio Lower Upper

56 100

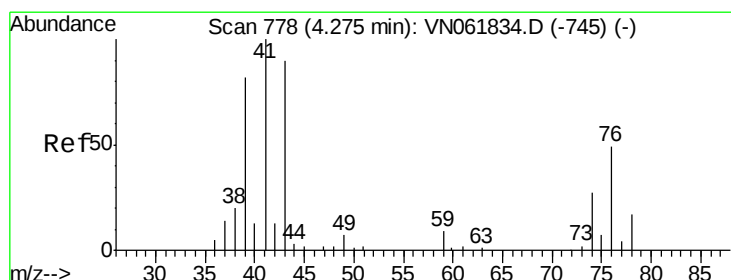
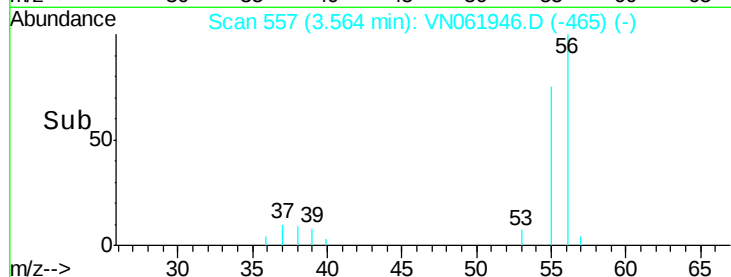
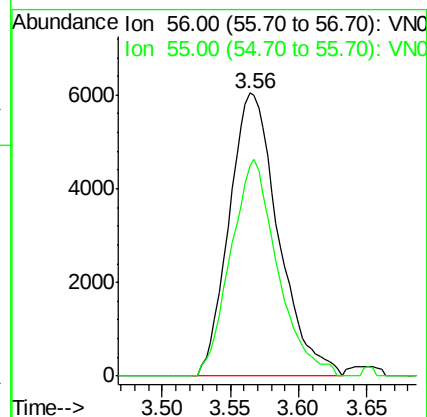
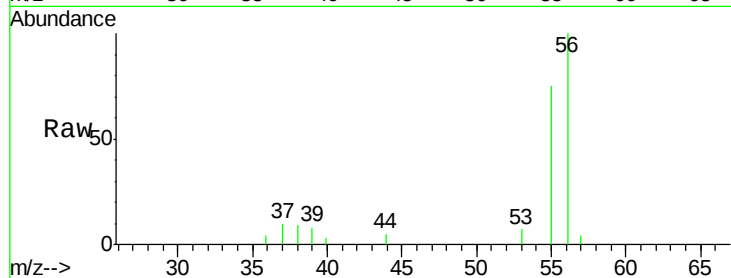
55 72.9 56.2 84.4

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#14

Allyl chloride

Concen: 19.591 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

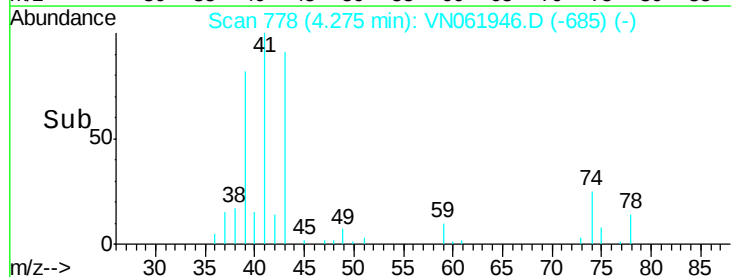
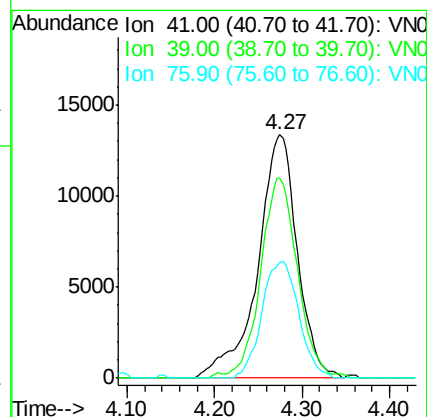
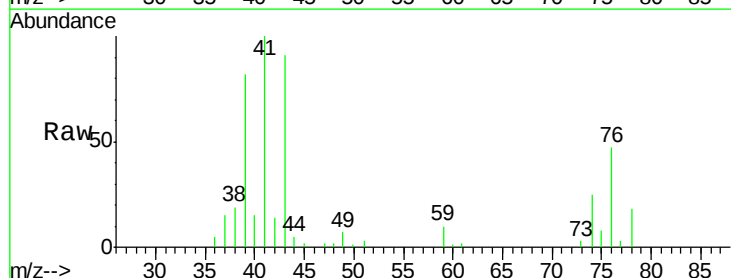
Tgt Ion: 41 Resp: 41967

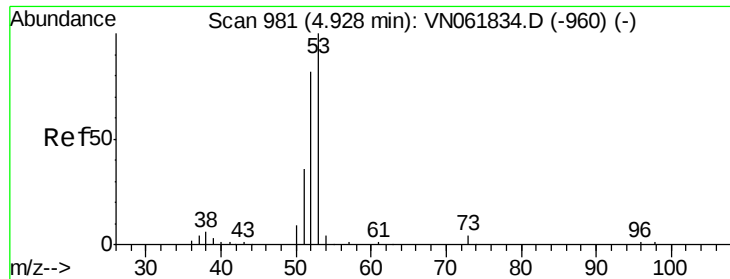
Ion Ratio Lower Upper

41 100

39 72.0 60.2 90.2

76 44.5 36.3 54.5





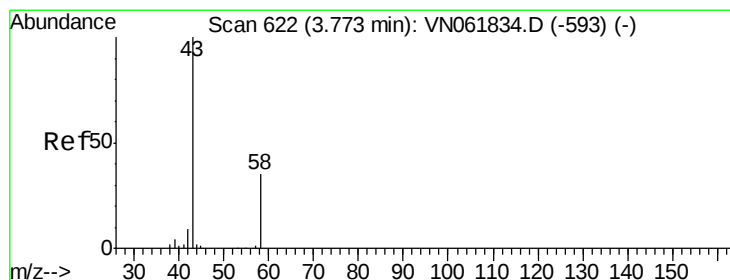
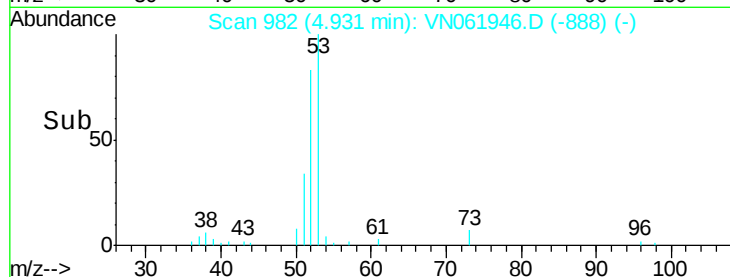
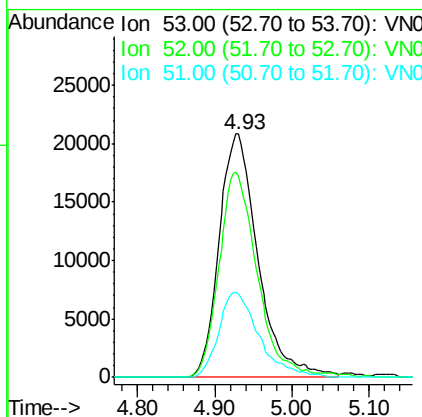
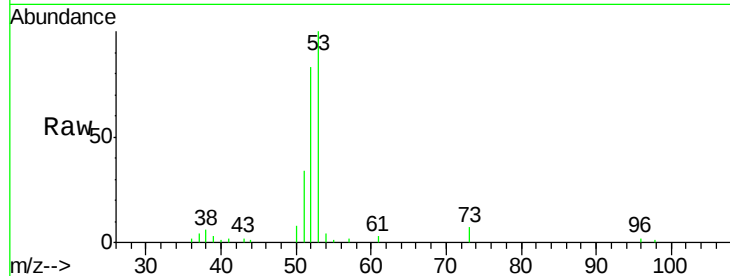
#15
 Acrylonitrile
 Concen: 99.576 ug/l
 RT: 4.93 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.2	97.8
51	36.2	29.3	43.9

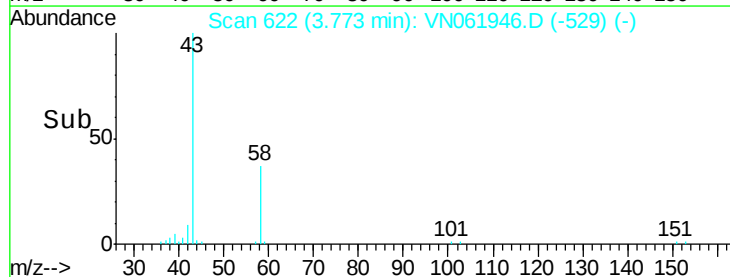
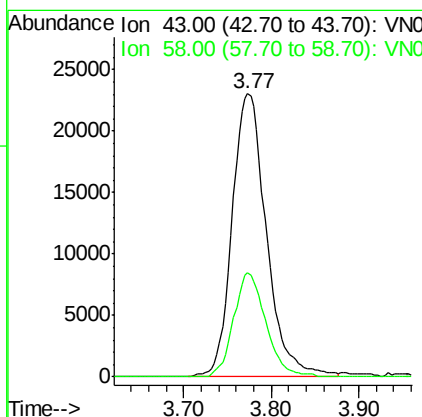
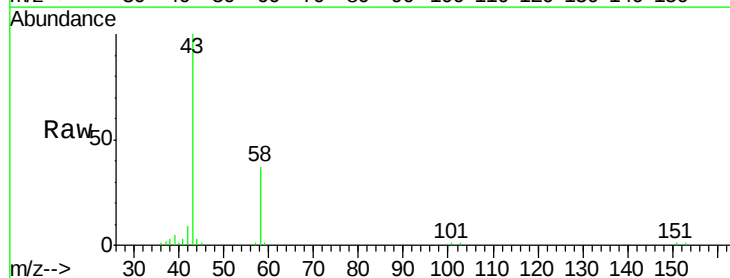
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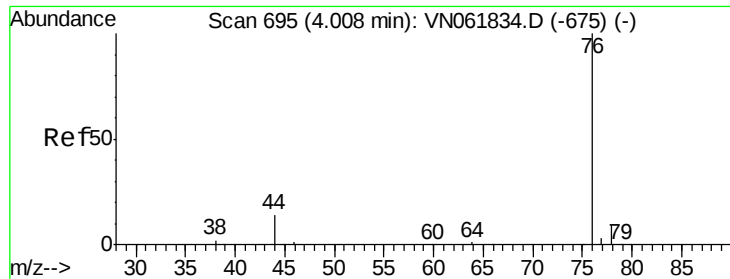
MMDadoda
 6/22/2020 1:25:13 PM



#16
 Acetone
 Concen: 99.735 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	27.8	41.8





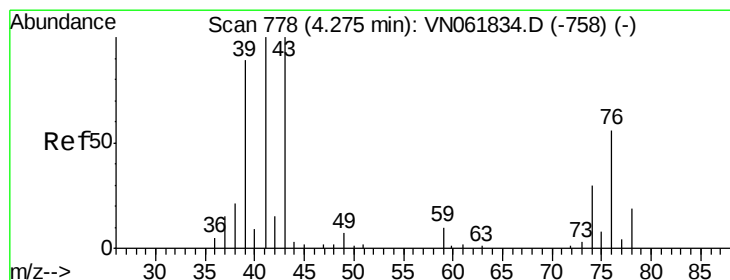
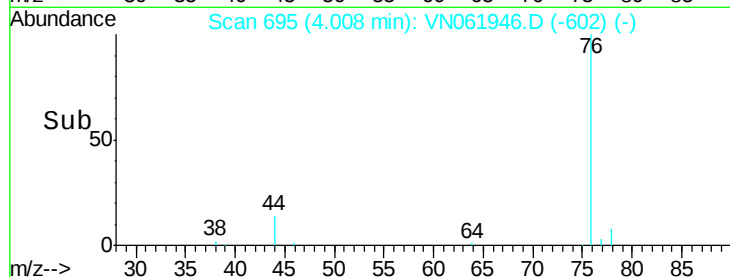
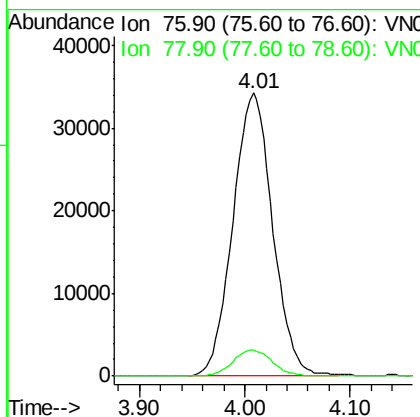
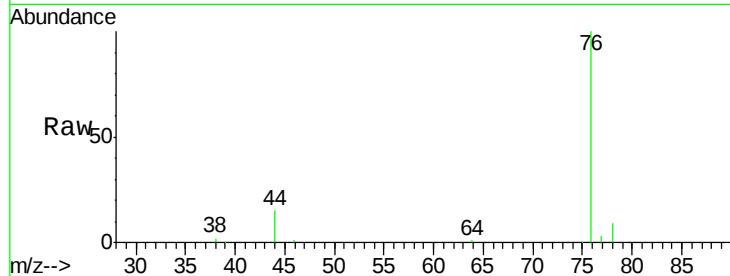
#17
Carbon Disulfide
Concen: 18.956 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

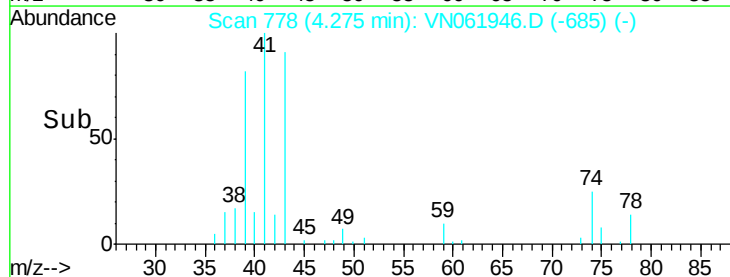
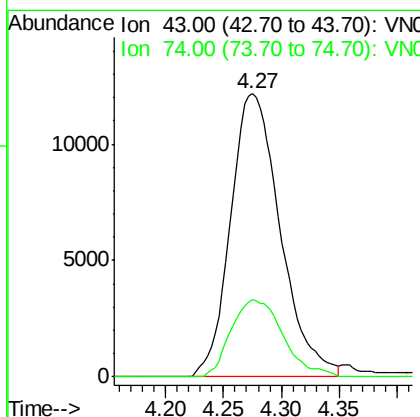
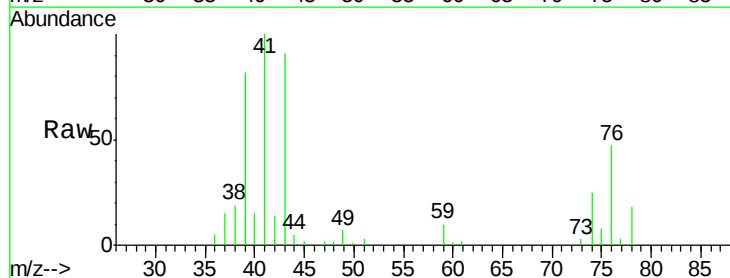
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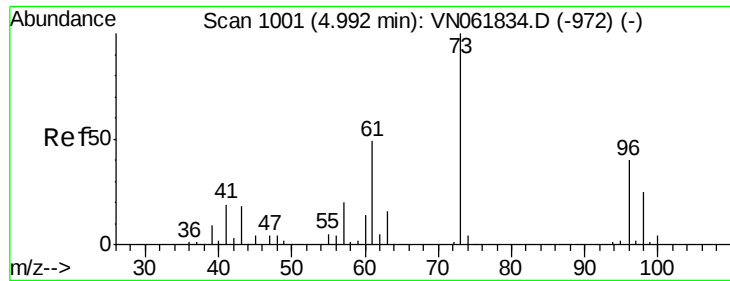
MMDadoda
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#18
Methyl Acetate
Concen: 20.002 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.5	23.0	34.4





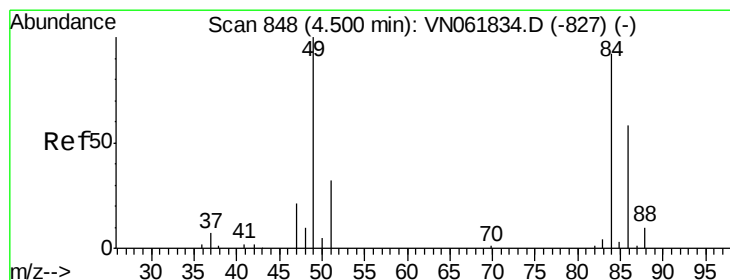
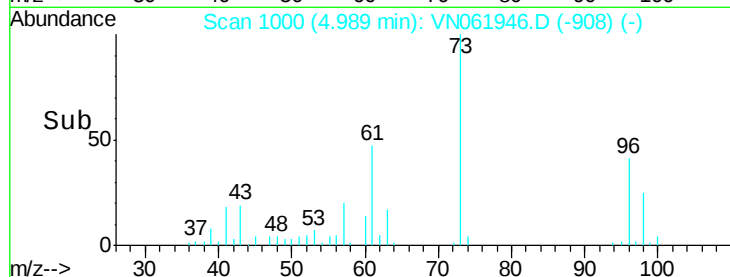
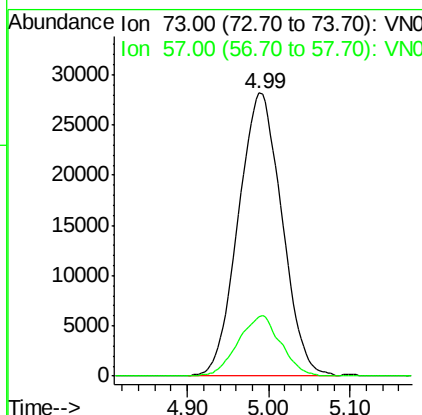
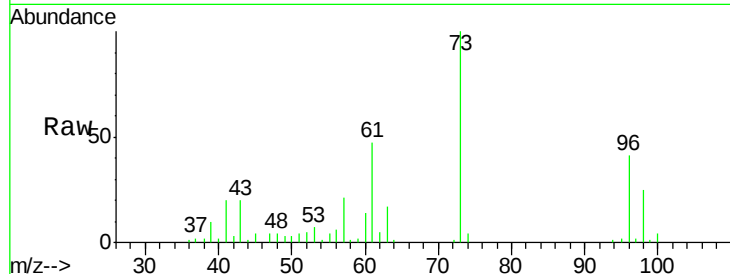
#19
Methvl tert-butvl Ether
Concen: 19.427 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 73 Resp: 104398
Ion Ratio Lower Upper
73 100
57 21.0 16.2 24.4

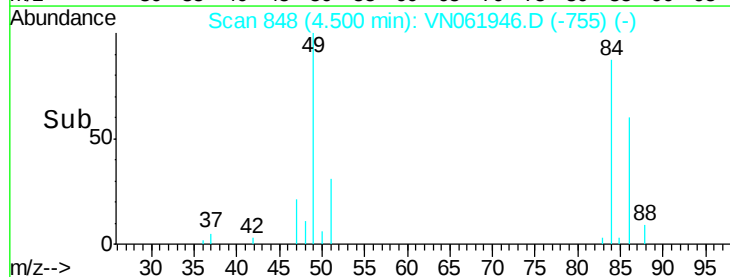
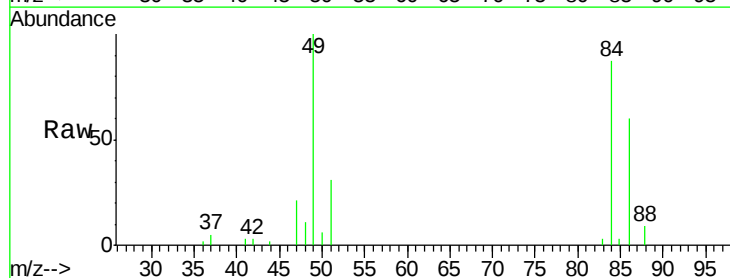
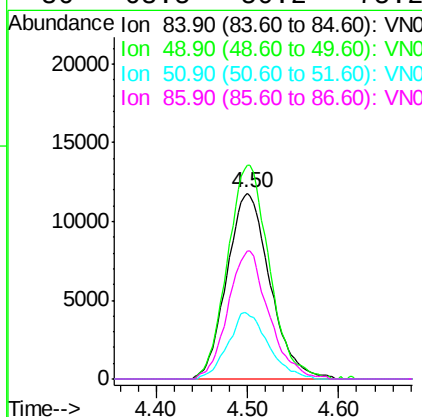
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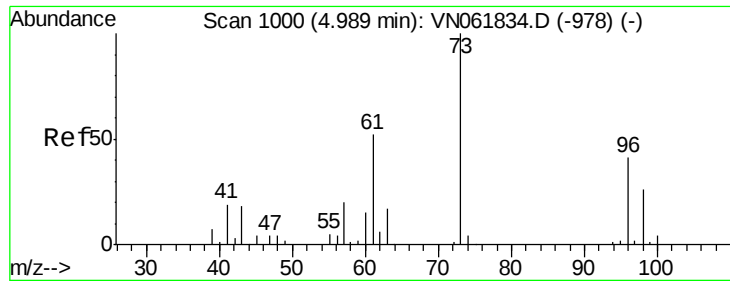
MMDadoda
6/22/2020 1:25:13 PM



#20
Methylene Chloride
Concen: 18.915 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion: 84 Resp: 38781
Ion Ratio Lower Upper
84 100
49 114.7 87.0 130.4
51 35.1 27.8 41.6
86 68.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.389 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS01

Tot Ion: 96 Resp: 35945

Ion Ratio Lower Upper

96 100

61 114.3 102.2 153.4

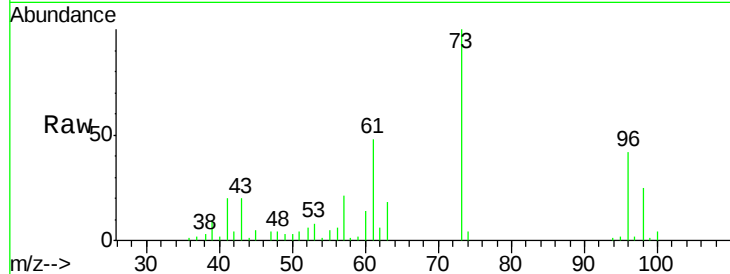
98 60.0 51.2 76.8

Manual Integrations

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MMDadoda

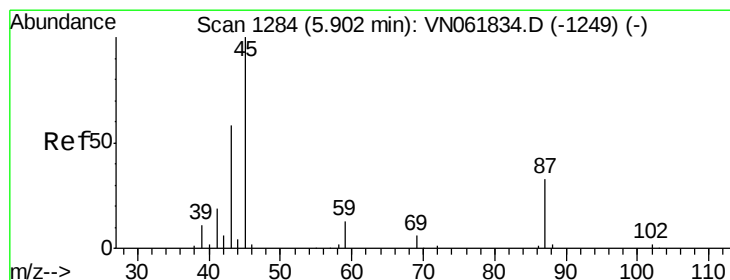
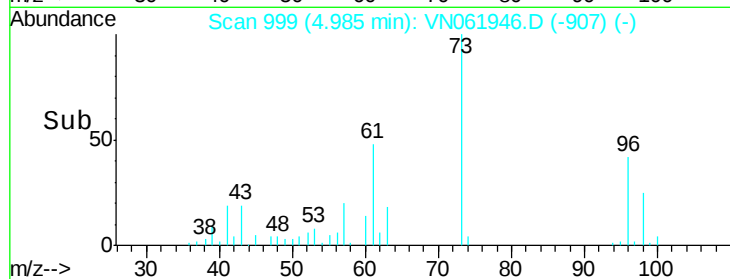
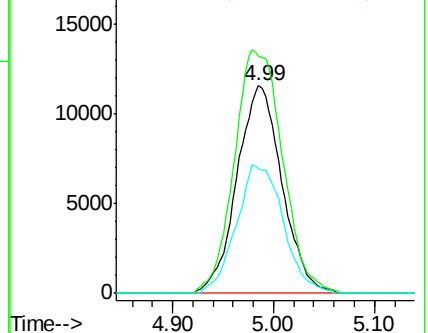
6/22/2020 1:25:13 PM



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-978) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-978) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-978) (-)



#22

Diisopropyl ether

Concen: 19.488 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Tgt Ion: 45 Resp: 95478

Ion Ratio Lower Upper

45 100

43 67.2 49.4 74.2

87 34.6 27.4 41.0

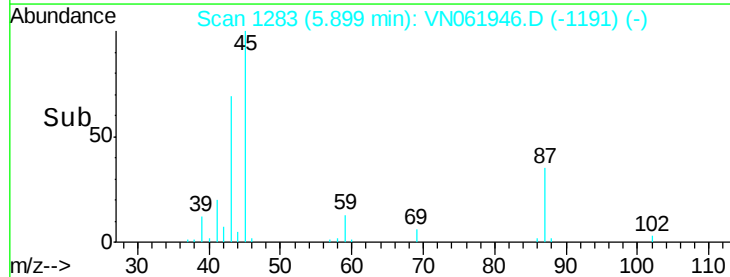
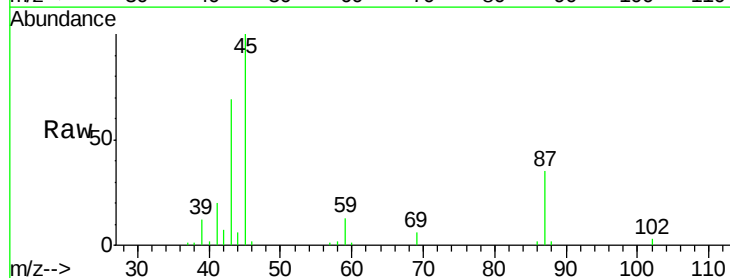
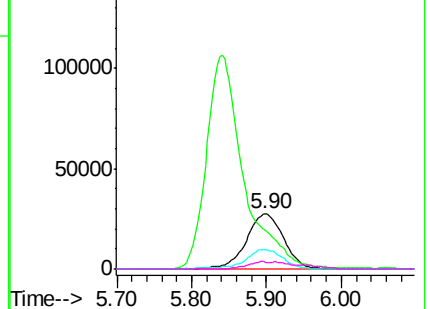
59 12.7 10.6 15.8

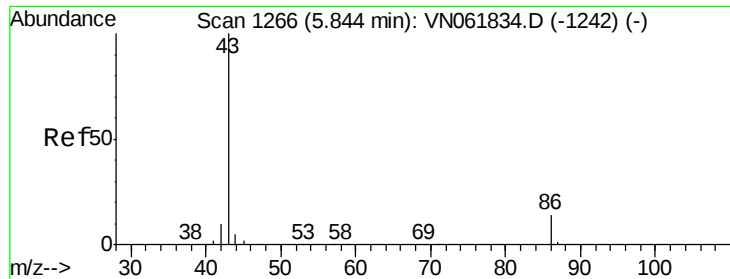
Abundance Ion 45.00 (44.70 to 45.70): VN061834.D (-1249) (-)

Ion 43.00 (42.70 to 43.70): VN061834.D (-1249) (-)

Ion 87.00 (86.70 to 87.70): VN061834.D (-1249) (-)

Ion 59.00 (58.70 to 59.70): VN061834.D (-1249) (-)





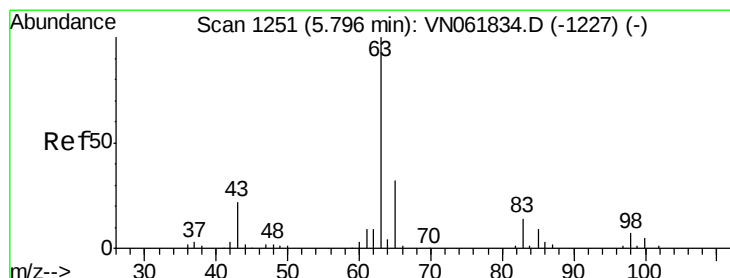
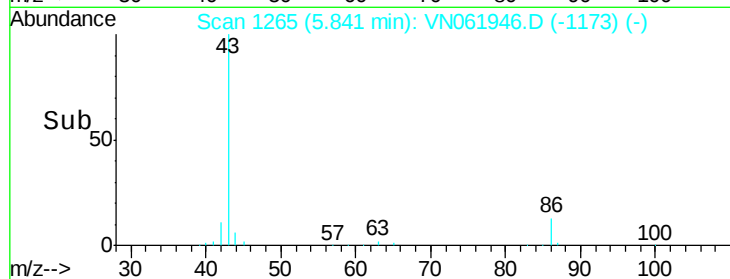
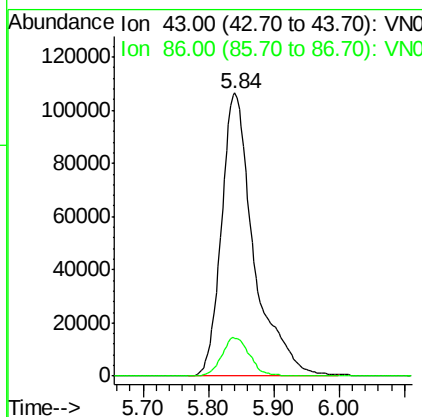
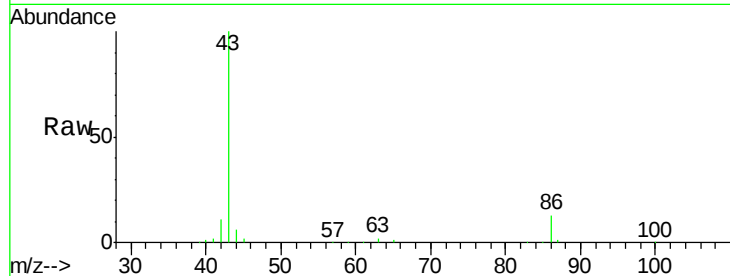
#23
 Vinyl Acetate
 Concen: 95.274 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	43	Resp	367115
Ion Ratio	100	Lower	Upper
43	100		
86	13.4	10.9	16.3

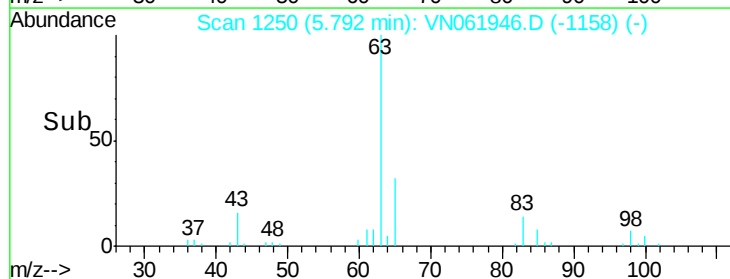
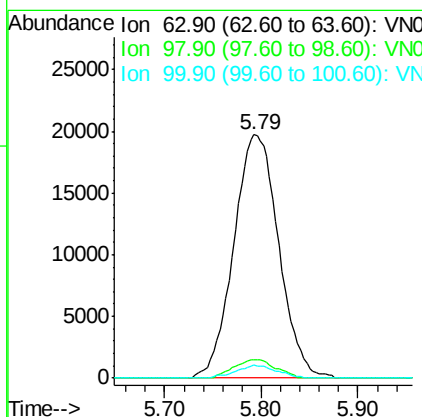
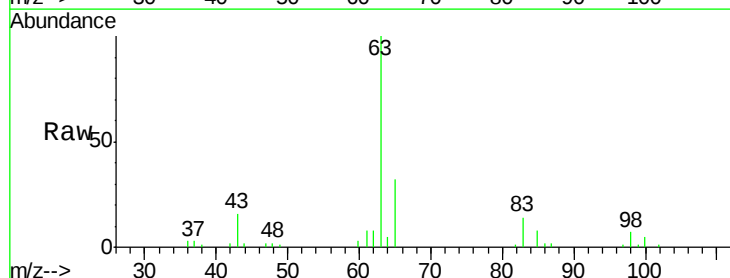
Manual Integrations
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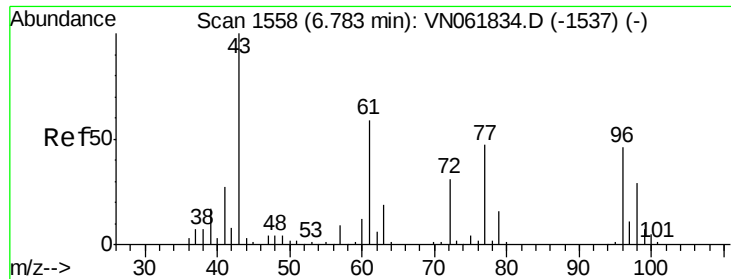
MMDadoda
 6/22/2020 1:25:13 PM



#24
 1,1-Dichloroethane
 Concen: 19.834 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion	63	Resp	63610
Ion Ratio	100	Lower	Upper
63	100		
98	7.3	3.5	10.4
100	5.3	2.5	7.4





#25

2-Butanone

Concen: 98.825 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 43 Resp: 90736

Ion Ratio Lower Upper

43 100

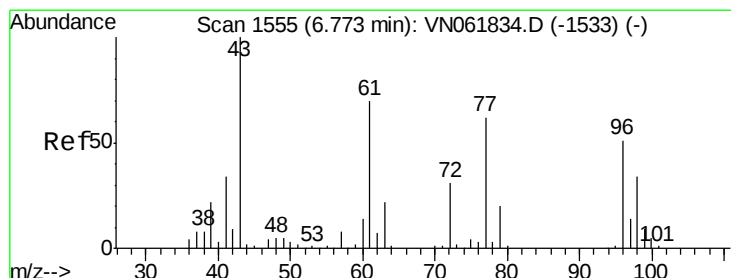
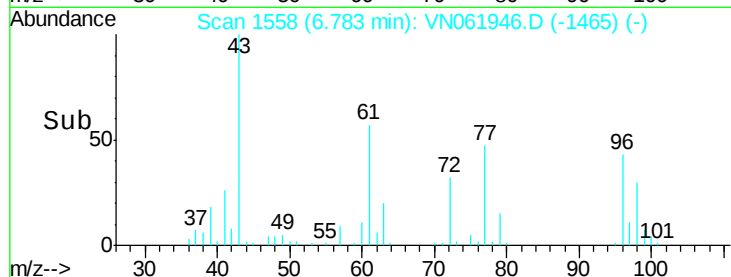
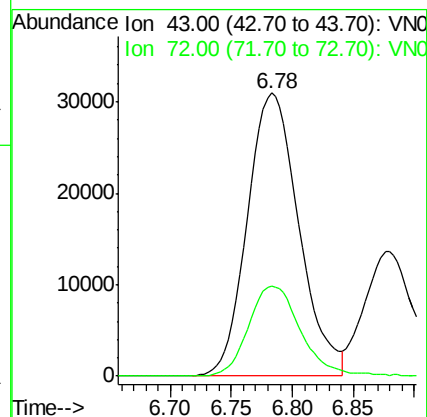
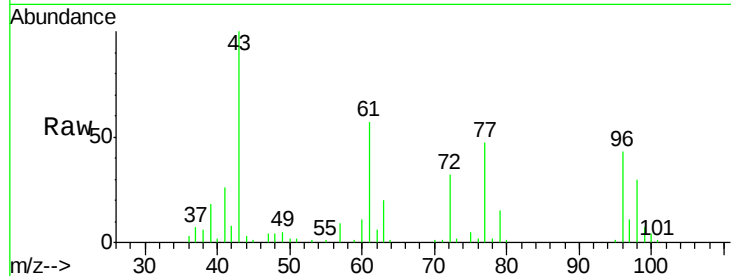
72 31.7 24.6 37.0

Manual Integrations

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MMDadoda

6/22/2020 1:25:13 PM



#26

2,2-Dichloropropane

Concen: 19.684 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061946.D

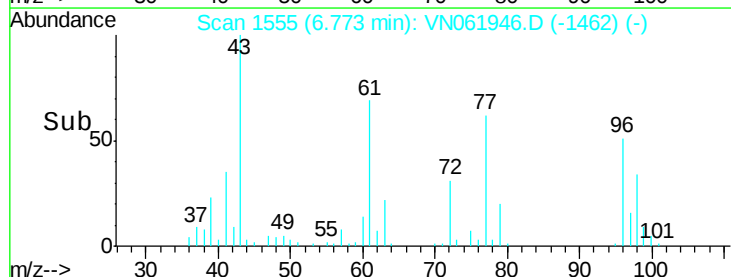
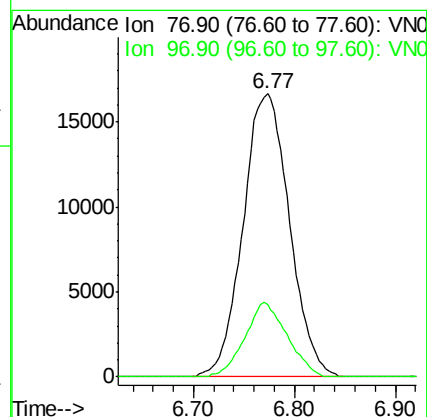
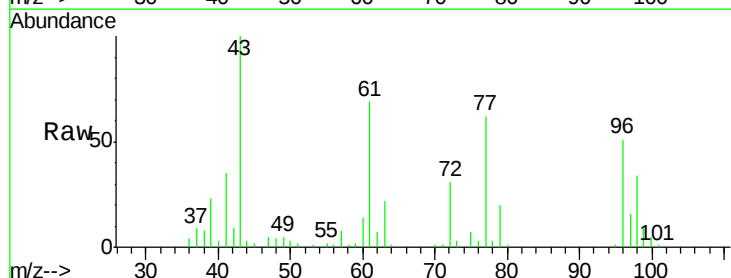
Acq: 19 Jun 2020 12:46

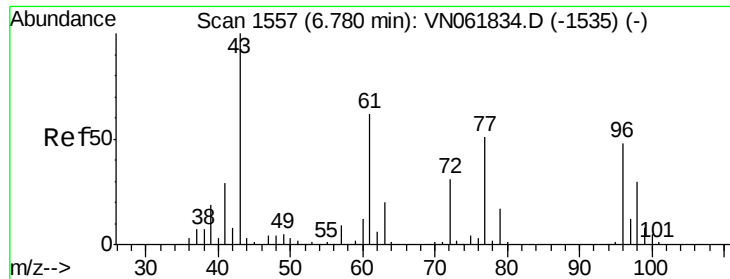
Tgt Ion: 77 Resp: 53112

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 19.177 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

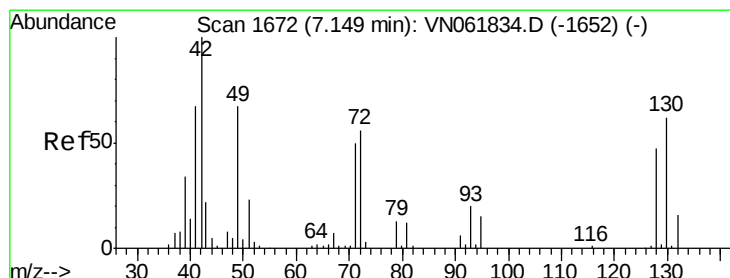
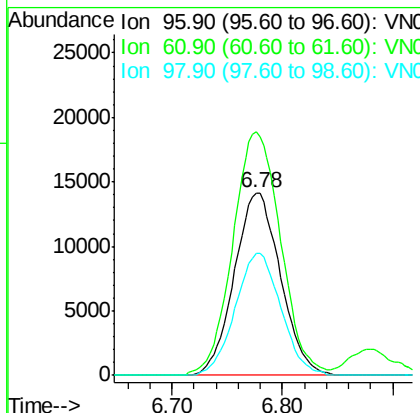
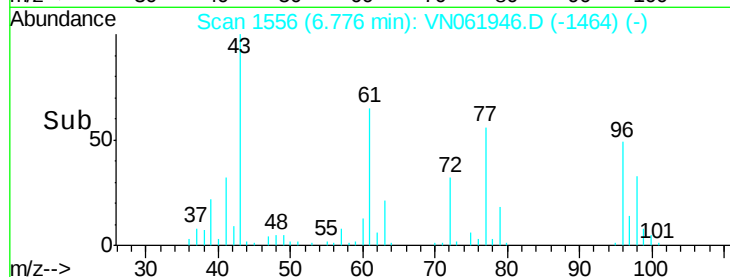
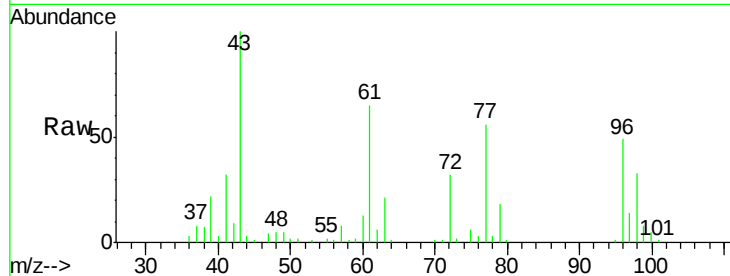
ClientSampled :

VN0619WBS01

Tot Ion:	96	Resp:	41021
Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	265.6
98	66.1	0.0	128.2

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#28

Bromochloromethane

Concen: 21.006 ug/l

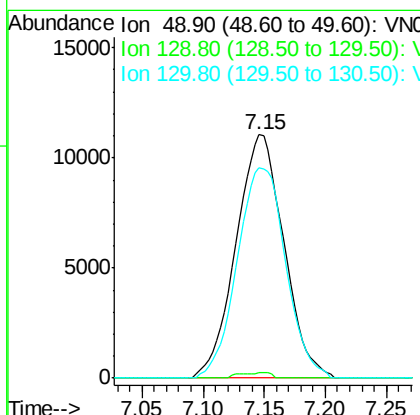
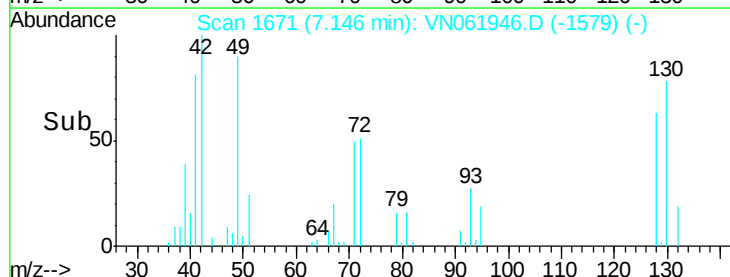
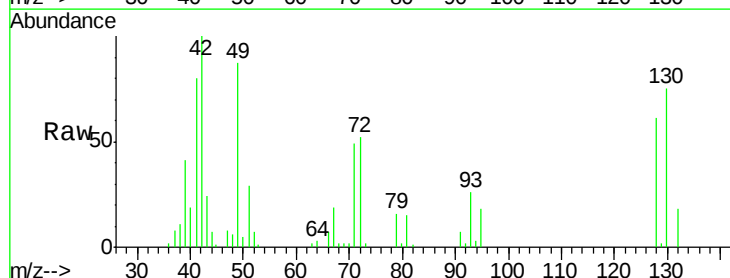
RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Tgt Ion:	49	Resp:	29996
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.0
130	87.6	72.2	108.2





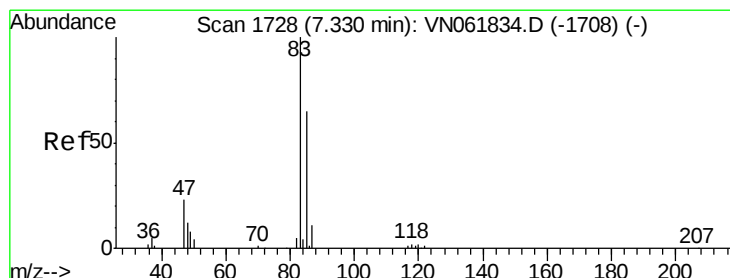
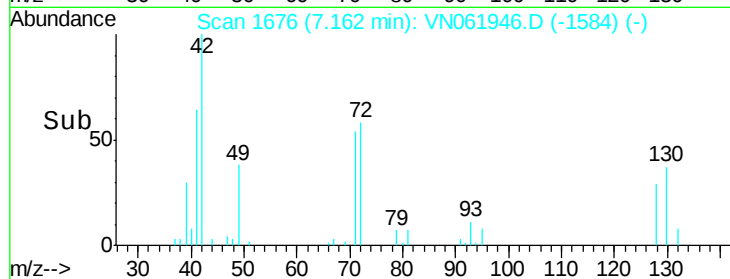
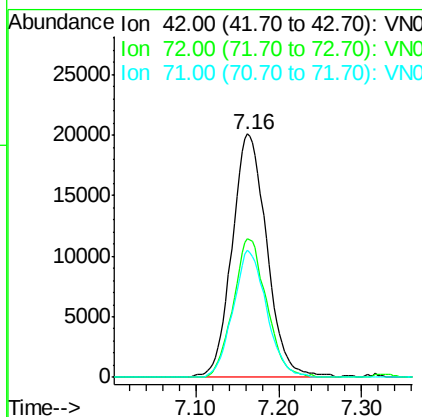
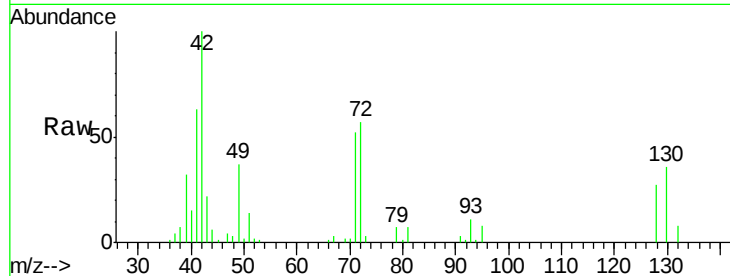
#29
Tetrahydrofuran
Concen: 97.068 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.6	44.0	66.0
71	50.1	40.0	60.0

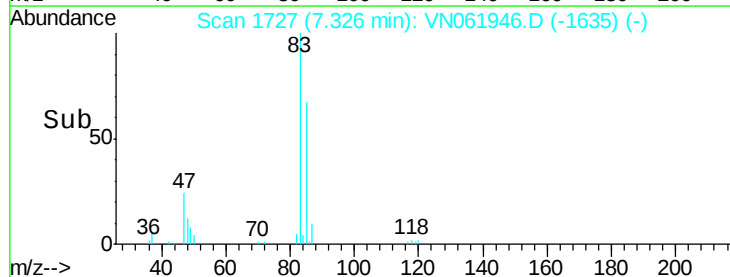
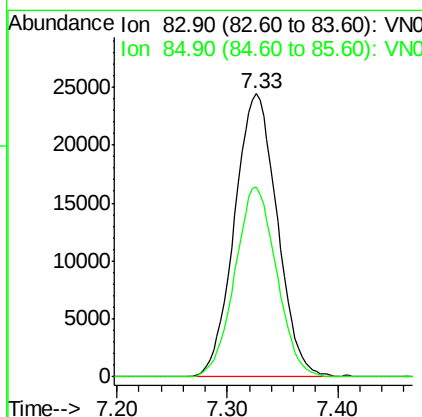
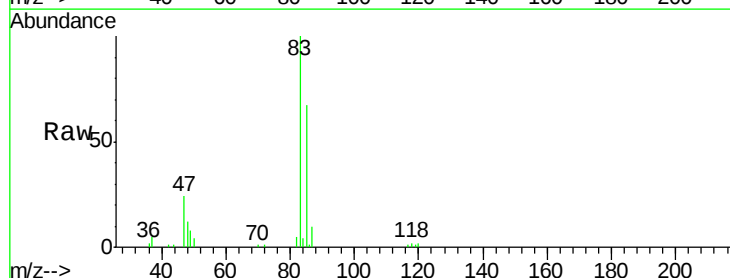
Manual Integrations
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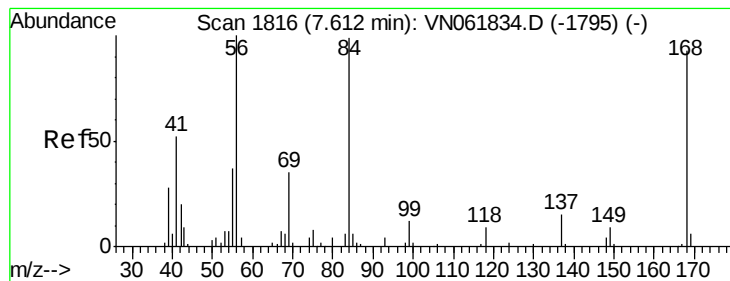
MMDadoda
6/22/2020 1:25:13 PM



#30
Chloroform
Concen: 19.112 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.0	78.0





#31

Cyclohexane

Concen: 19.040 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

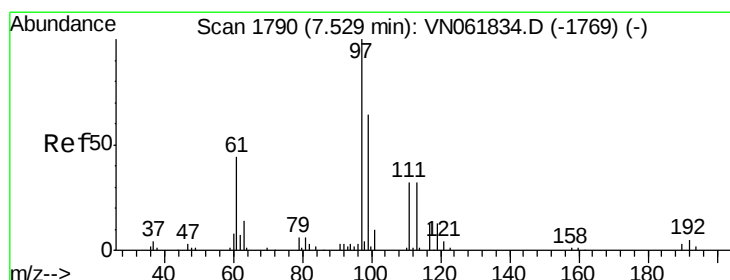
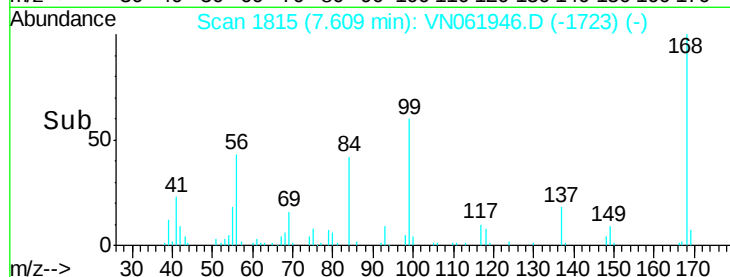
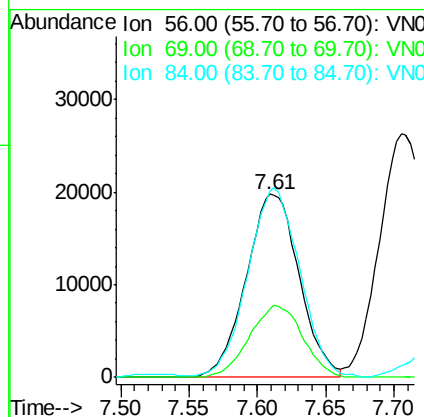
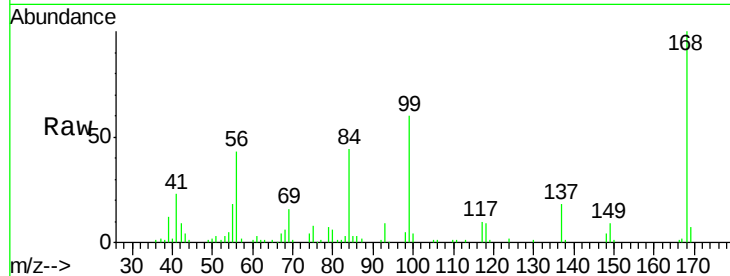
ClientSampled :

VN0619WBS01

Tot Ion:	56	Resp:	53454
Ion Ratio	Lower	Upper	
56	100		
69	37.4	27.7	41.5
84	100.6	79.1	118.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.007 ug/l

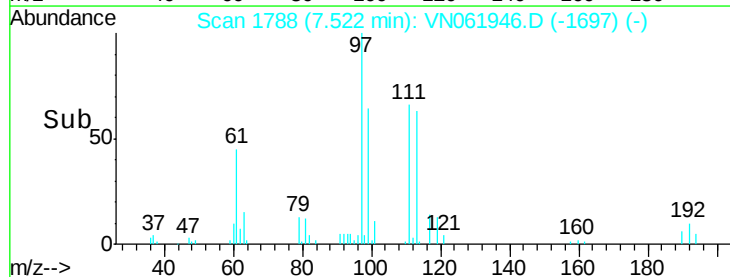
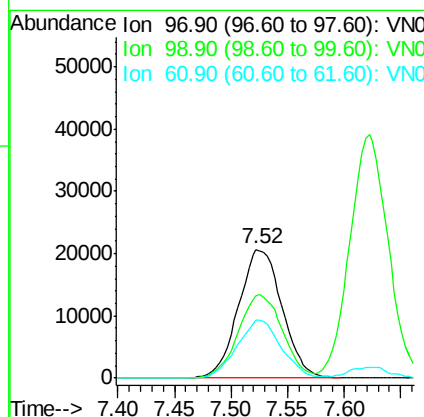
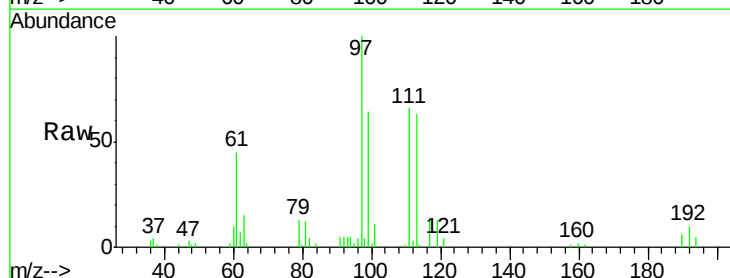
RT: 7.52 min Scan# 1788

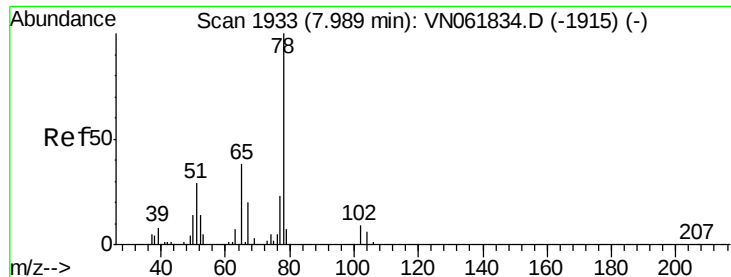
Delta R.T. -0.01 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Tgt Ion:	97	Resp:	55482
Ion Ratio	Lower	Upper	
97	100		
99	65.7	51.5	77.3
61	45.3	35.1	52.7





#33

1,2-Dichloroethane-d4

Concen: 50.703 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 65 Resp: 108021

Ion Ratio Lower Upper

65 100

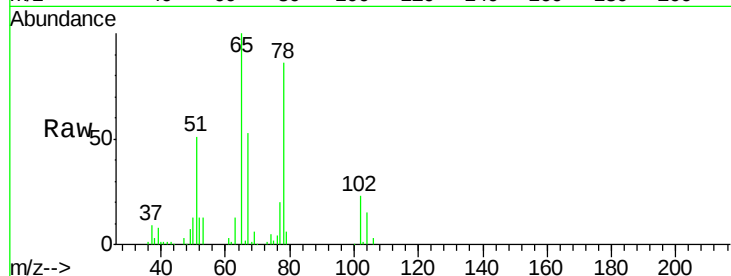
67 52.3 0.0 106.2

Manual Integrations

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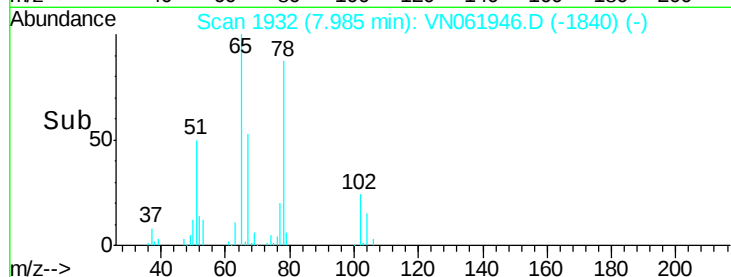


Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061834.D (-1915) (-)

7.99

Time-->

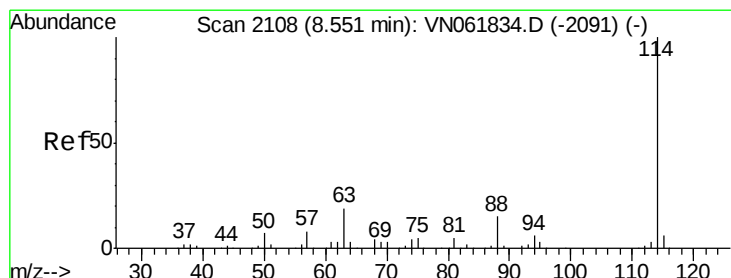


Abundance Ion 64.90 (64.60 to 65.60): VN061946.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061946.D (-1840) (-)

7.99

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

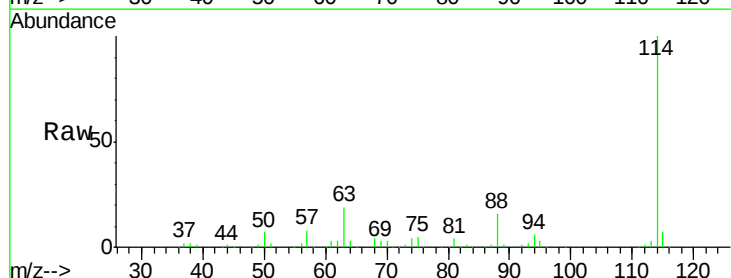
Tgt Ion: 114 Resp: 271660

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.6

88 15.5 0.0 31.0



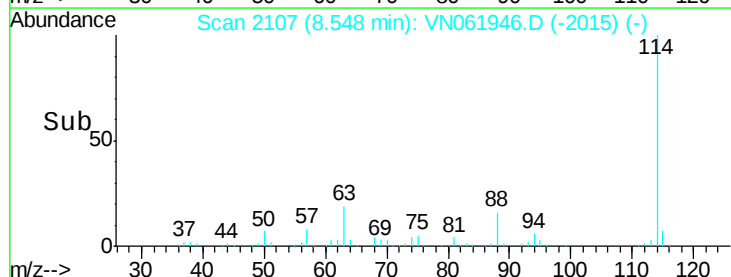
Abundance Ion 113.90 (113.60 to 114.60): VN061834.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN061834.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN061834.D (-2091) (-)

8.55

Time-->



Abundance Ion 113.90 (113.60 to 114.60): VN061946.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN061946.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN061946.D (-2015) (-)

8.55

Time-->



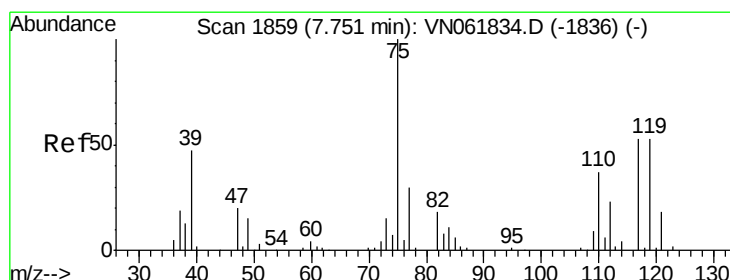
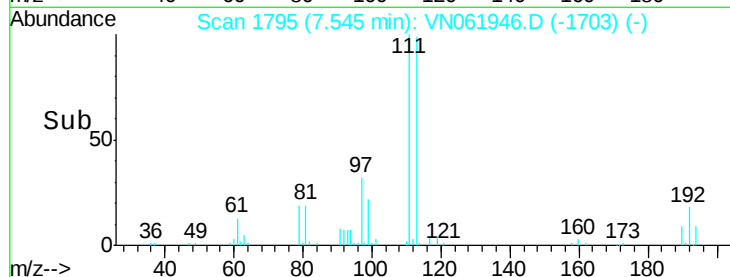
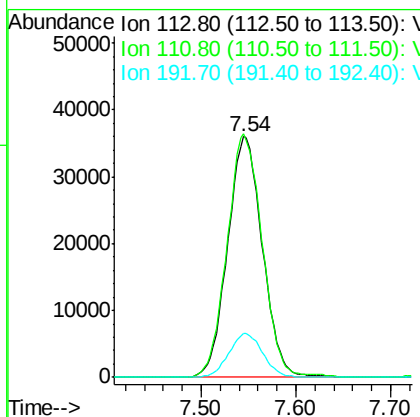
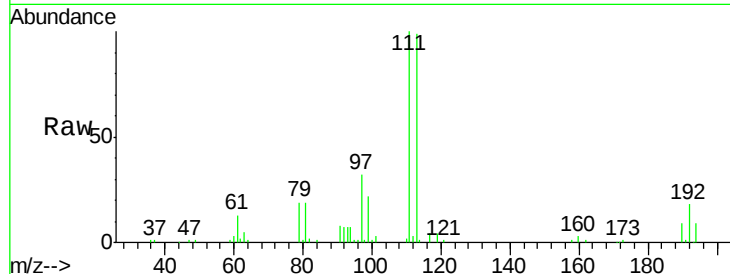
#35
 Dibromofluoromethane
 Concen: 52.918 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.7	125.5
192	17.8	13.9	20.9

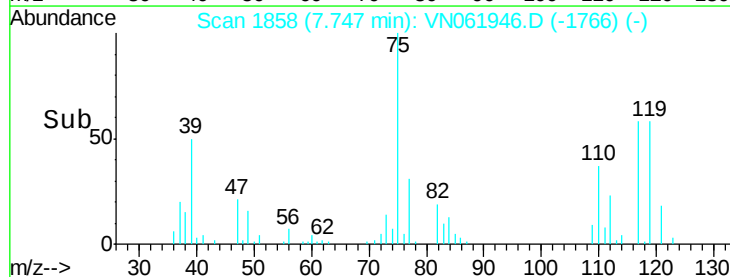
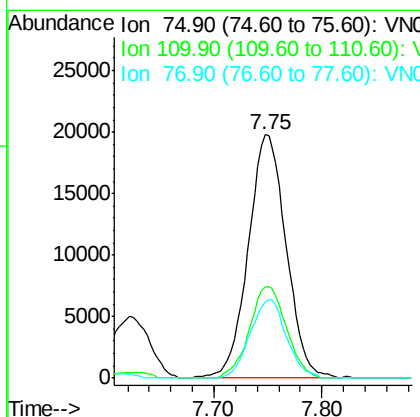
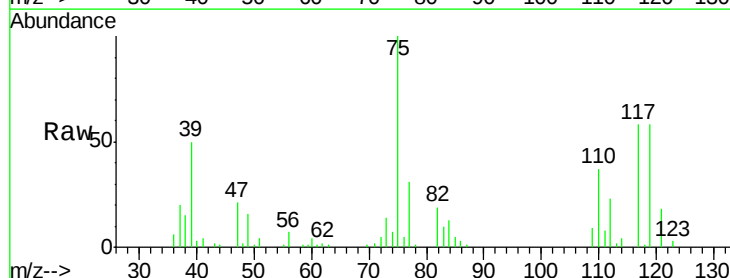
Manual Integrations
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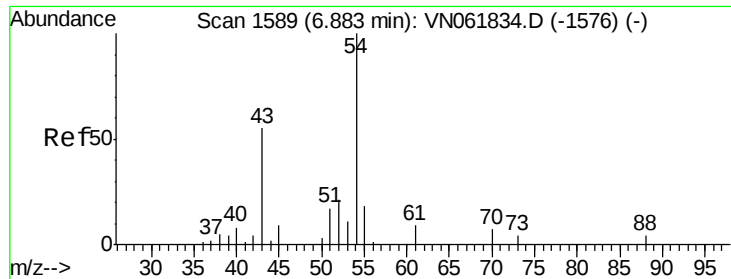
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#36
 1,1-Dichloropropene
 Concen: 19.469 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.2	54.6
77	30.8	24.2	36.4





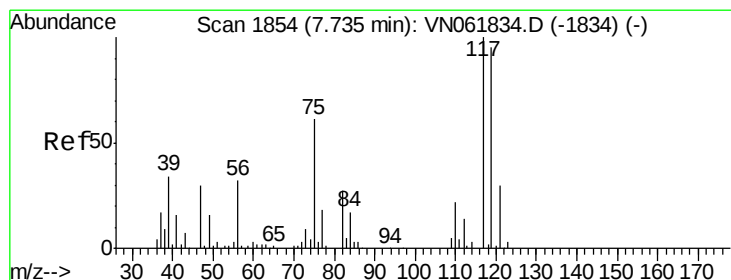
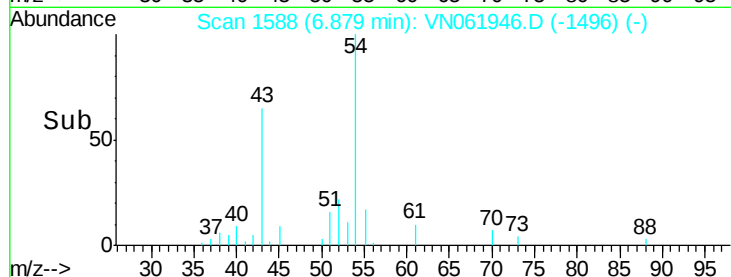
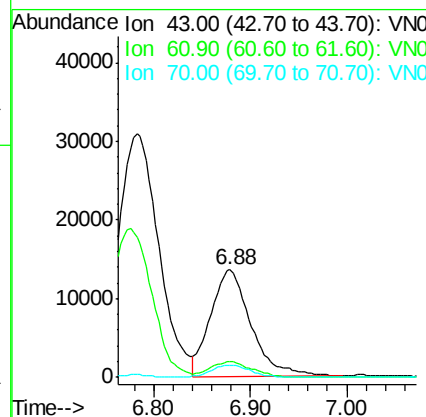
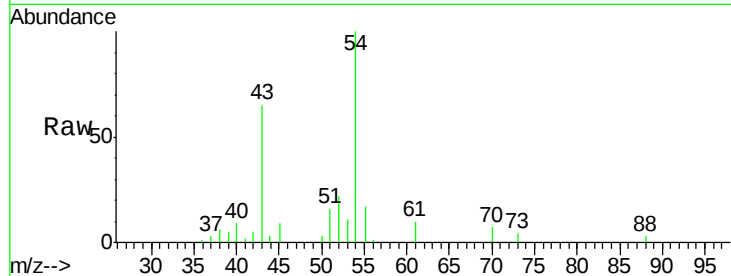
#37
Ethyl Acetate
Concen: 20.365 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	14.9	10.9
Lower		13.0	9.4
Upper		19.4	14.2

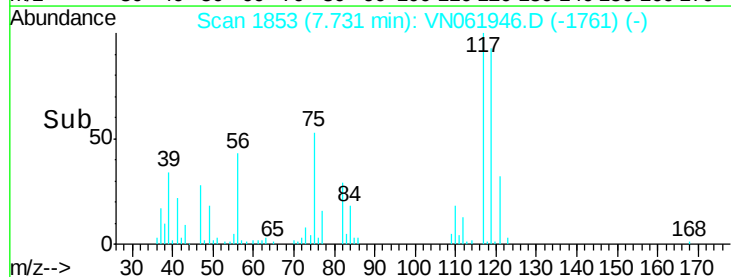
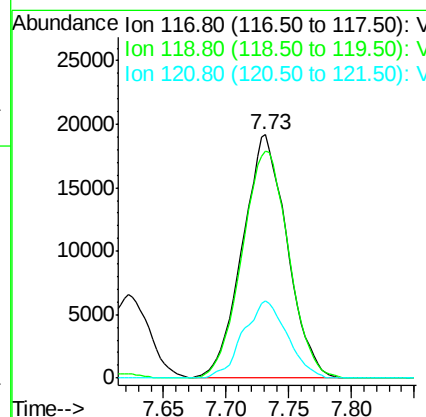
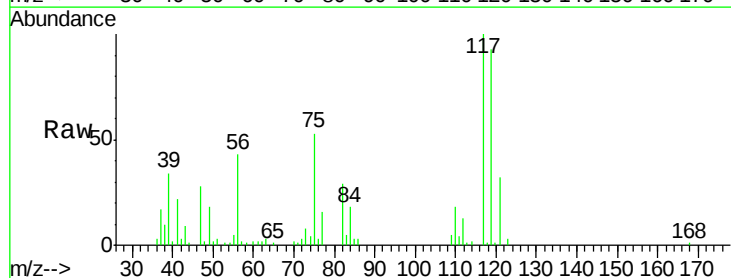
Manual Integrations
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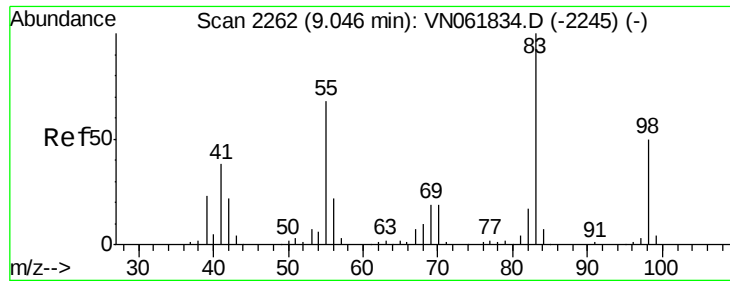
MMDadoda
6/22/2020 1:25:13 PM



#38
Carbon Tetrachloride
Concen: 19.378 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	93.0	31.5
Lower		75.8	23.8
Upper		113.6	35.6





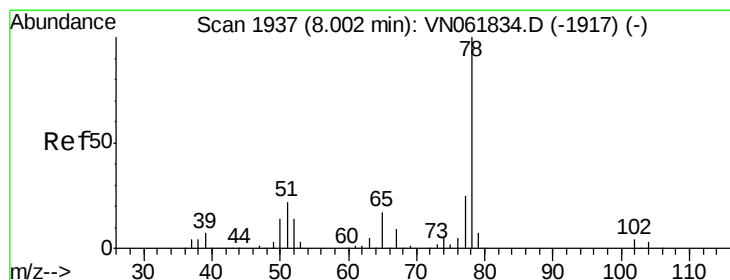
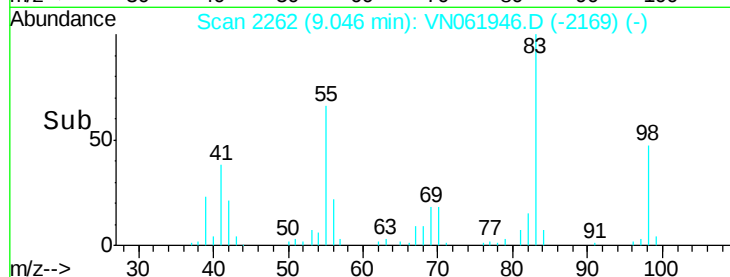
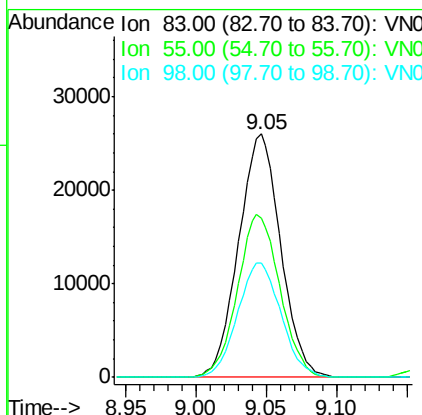
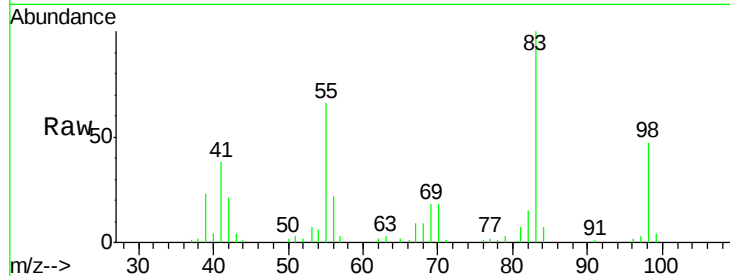
#39
Methvlcvclohexane
Concen: 20.323 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.5	54.2	81.4
98	47.2	39.8	59.6

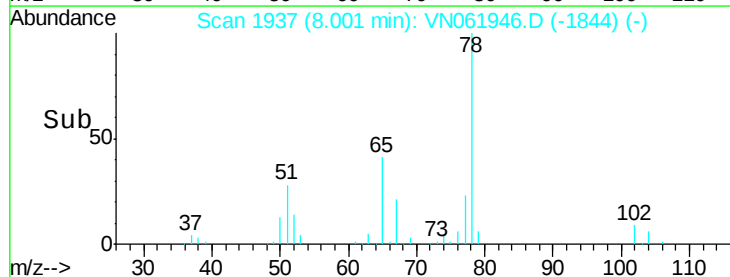
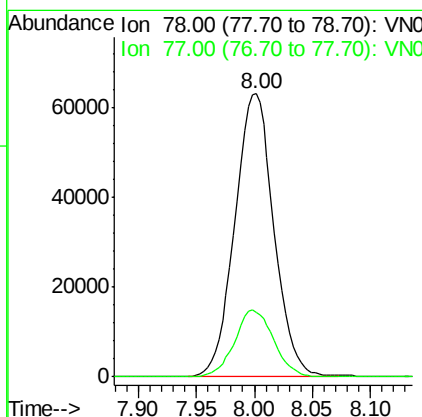
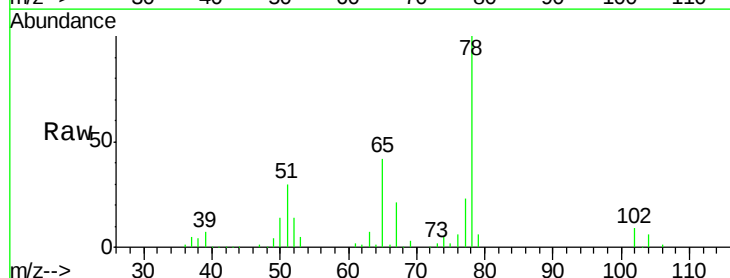
Manual Integrations
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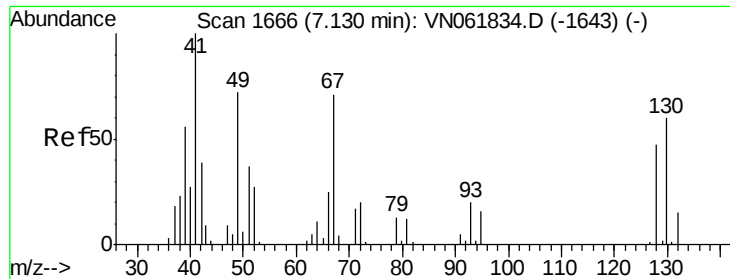
MMDadoda
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#40
Benzene
Concen: 19.718 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.7	29.5





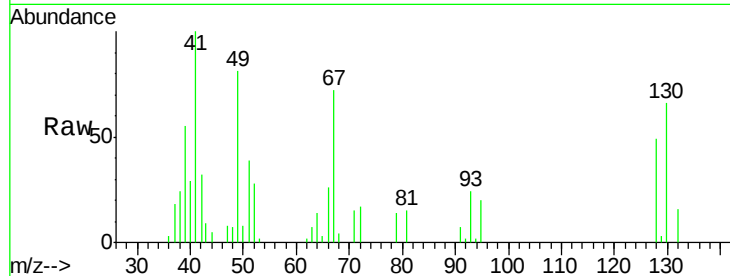
#41
Methacrylonitrile
Concen: 20.482 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	99.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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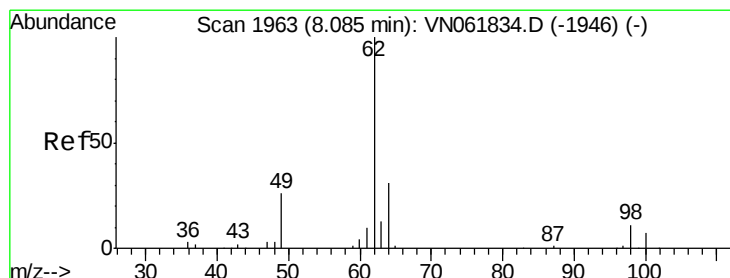
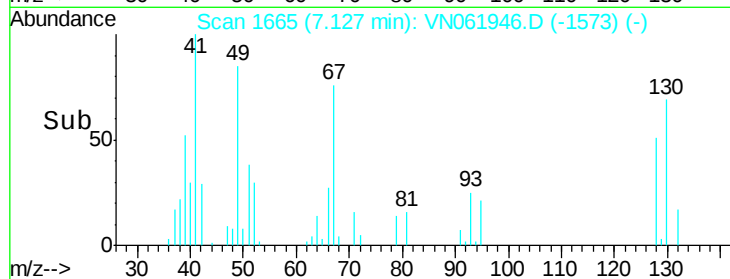
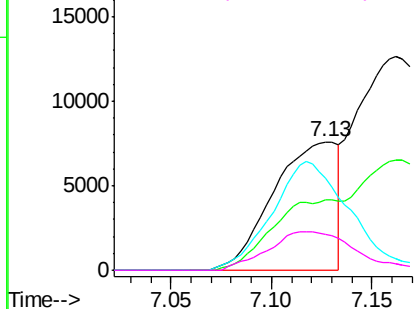


Abundance Ion 41.00 (40.70 to 41.70): VN061834.D (-1643) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-1643) (-)

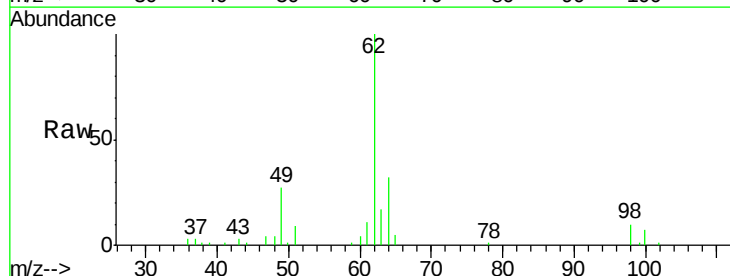
Ion 67.00 (66.70 to 67.70): VN061834.D (-1643) (-)

Ion 52.00 (51.70 to 52.70): VN061834.D (-1643) (-)



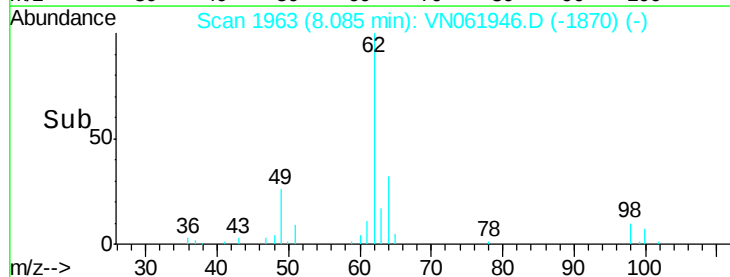
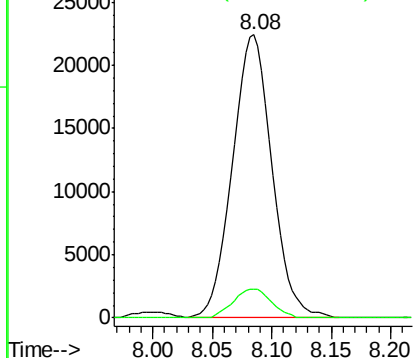
#42
1,2-Dichloroethane
Concen: 20.155 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

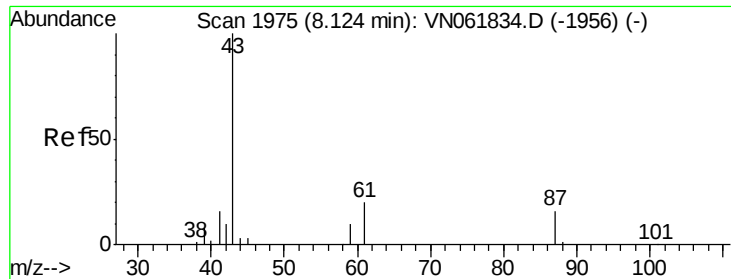
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VN061834.D (-1946) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-1946) (-)





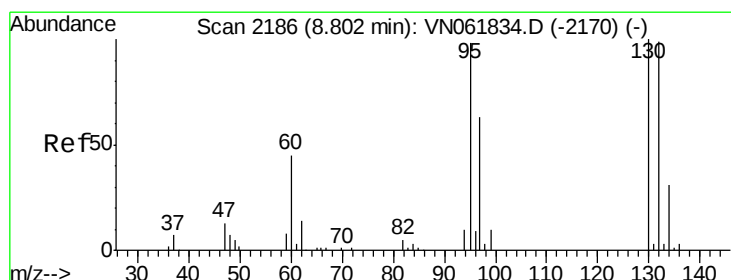
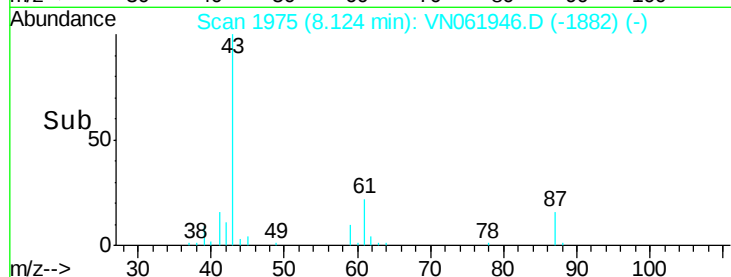
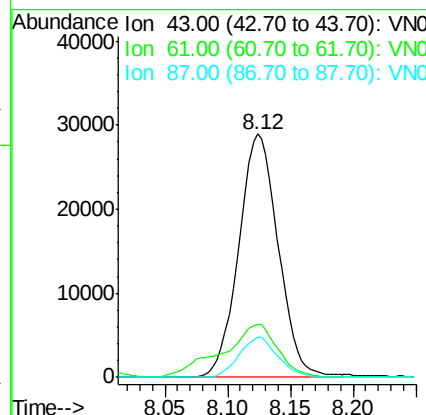
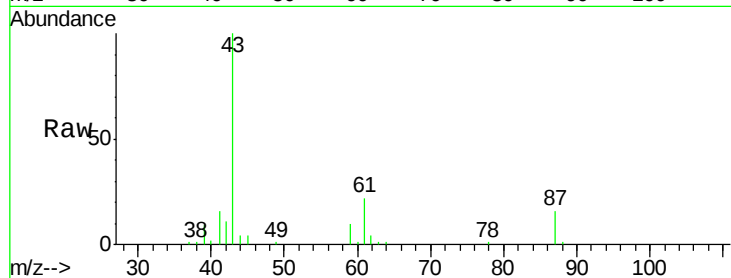
#43
Isopropyl Acetate
Concen: 19.418 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.0	36.0
87	16.0	12.5	18.7

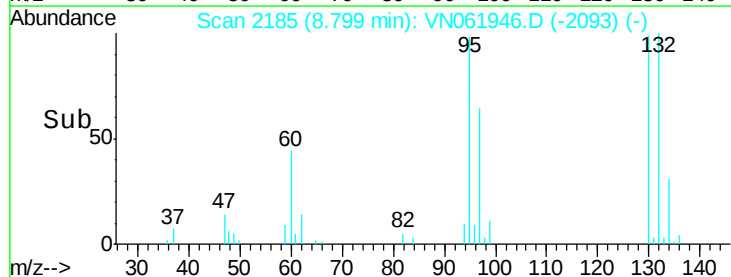
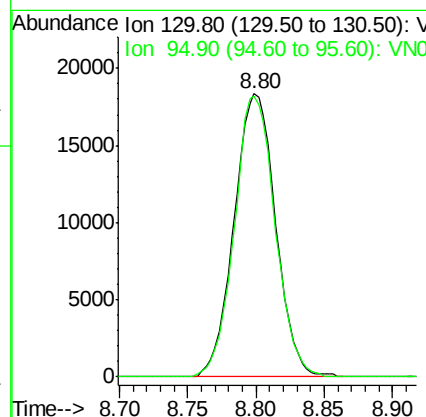
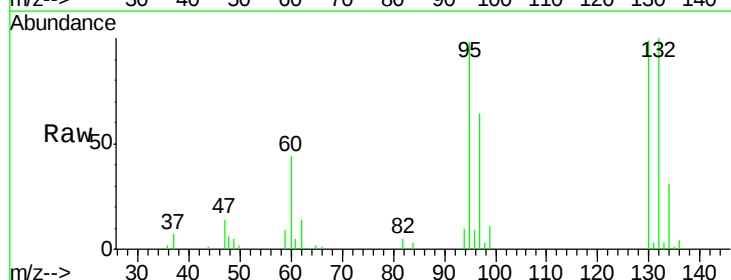
Manual Integrations
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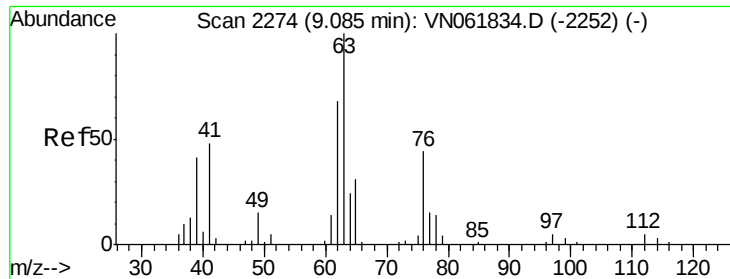
MMDadoda
6/22/2020 1:25:13 PM



#44
Trichloroethene
Concen: 19.600 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	195.6





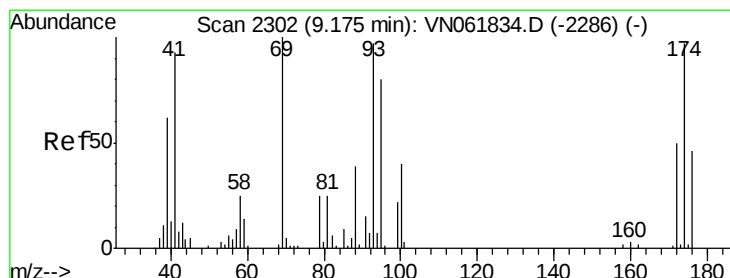
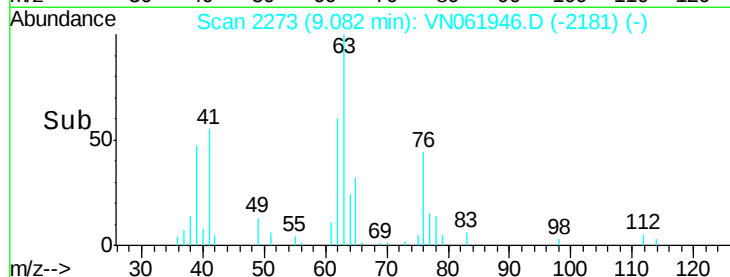
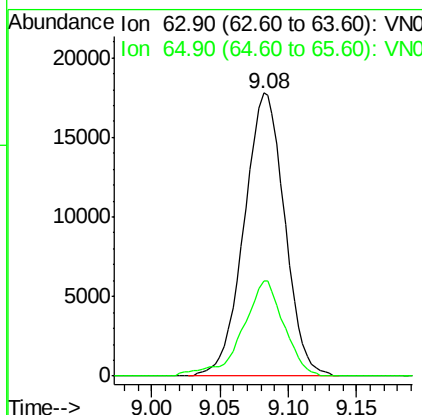
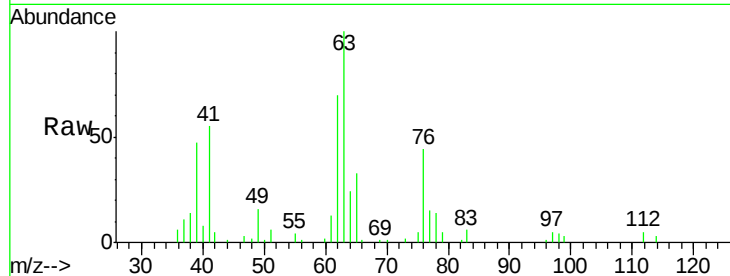
#45
 1,2-Dichloropropane
 Concen: 19.903 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion: 63 Resp: 36713
 Ion Ratio Lower Upper
 63 100
 65 33.5 25.1 37.7

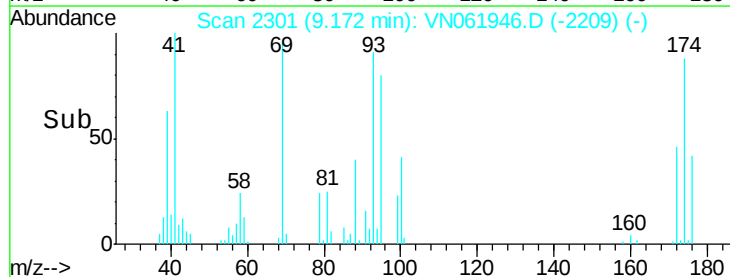
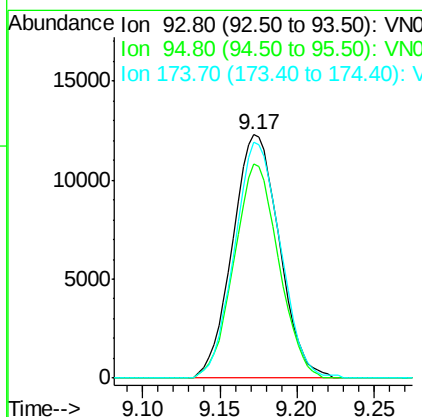
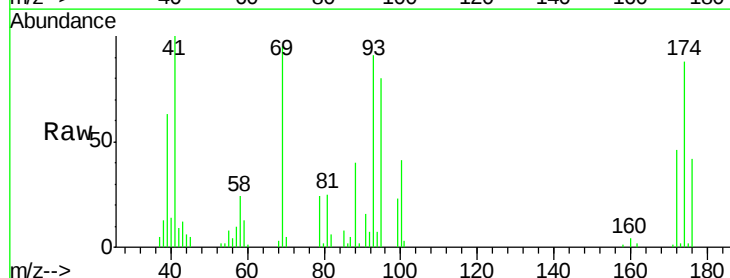
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#46
 Dibromomethane
 Concen: 19.919 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion: 93 Resp: 25874
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.8 98.6
 174 94.8 78.5 117.7





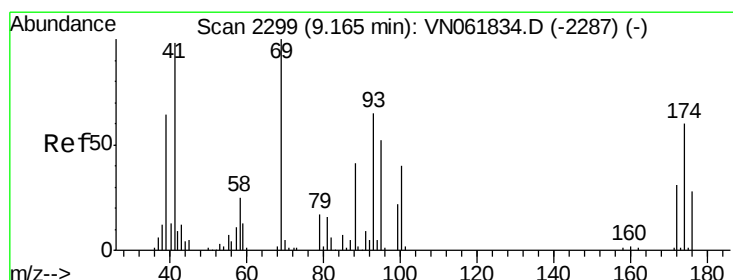
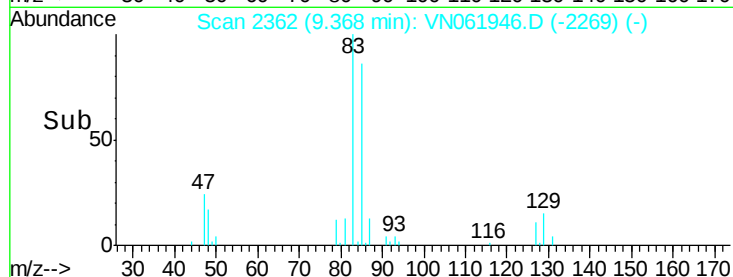
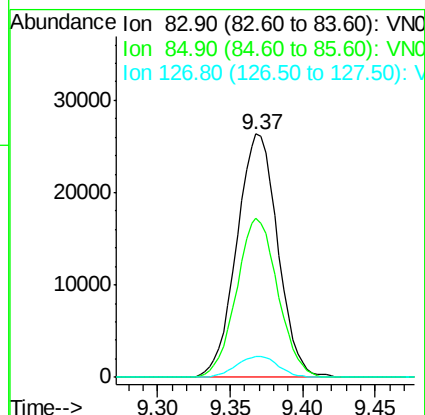
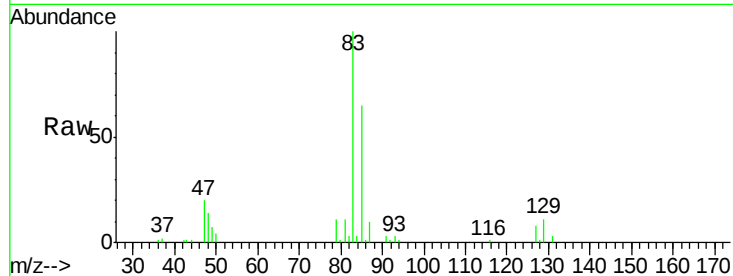
#47
Bromodichloromethane
Concen: 19.502 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	83	Resp	51870
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.8	76.2
127	8.4	7.0	10.4

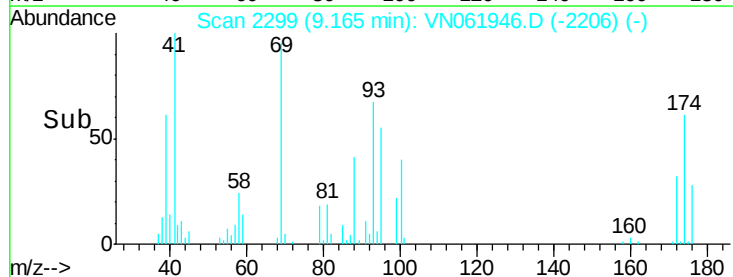
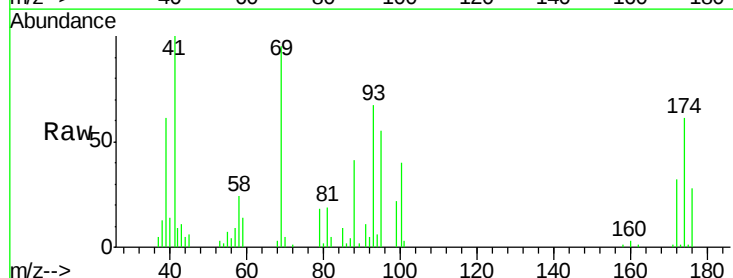
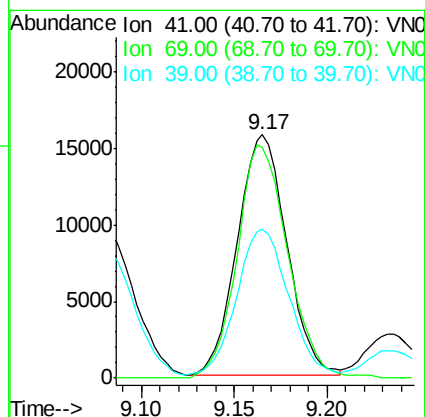
Manual Integrations
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#48
Methyl methacrylate
Concen: 19.571 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	41	Resp	29022
Ion Ratio	100	Lower	Upper
41	100		
69	99.7	83.0	124.4
39	66.6	55.1	82.7





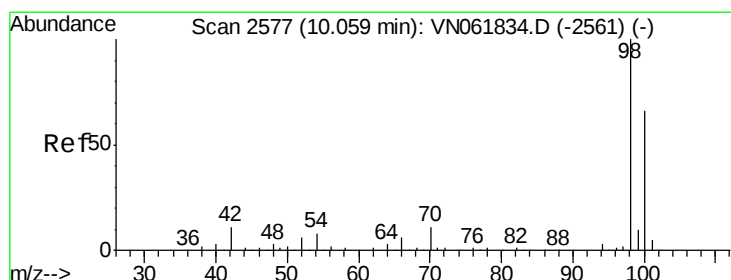
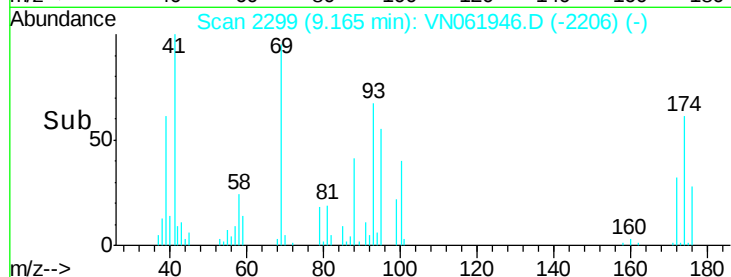
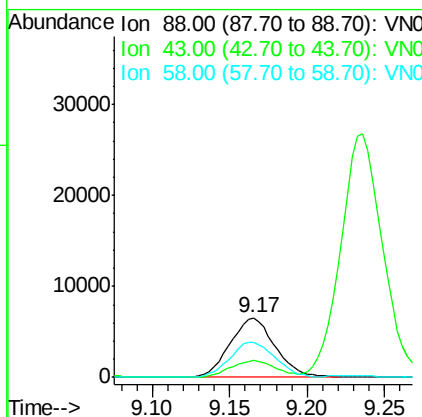
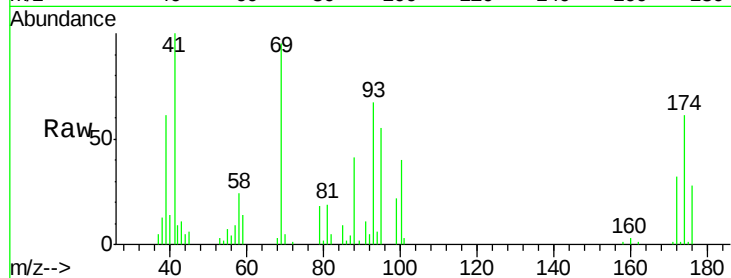
#49
1,4-Dioxane
Concen: 387.505 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	88	Resp	13193
Ion Ratio	Lower	Upper	
88	100		
43	28.5	23.4	35.2
58	59.0	49.8	74.6

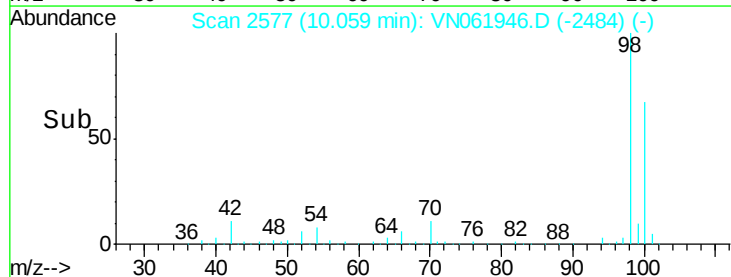
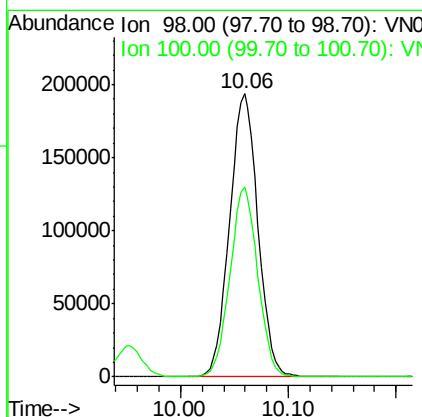
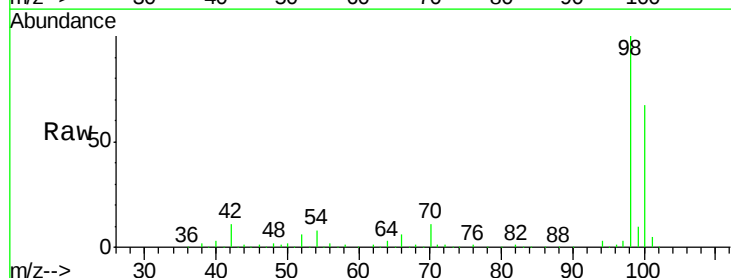
Manual Integrations
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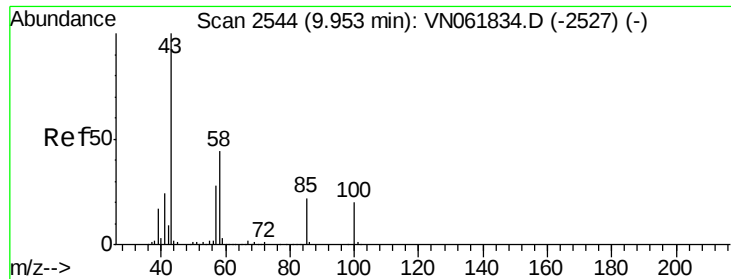
MMDadoda
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#50
Toluene-d8
Concen: 51.879 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	98	Resp	354468
Ion Ratio	Lower	Upper	
98	100		
100	65.9	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 97.686 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 43 Resp: 188236

Ion Ratio Lower Upper

43 100

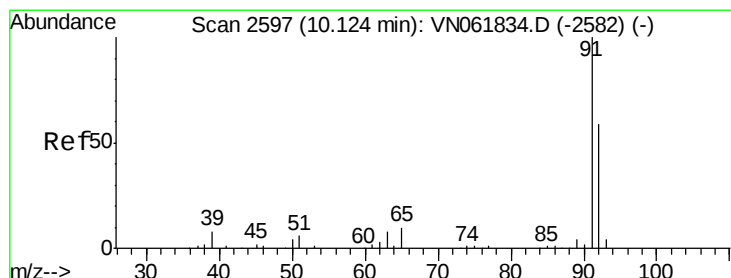
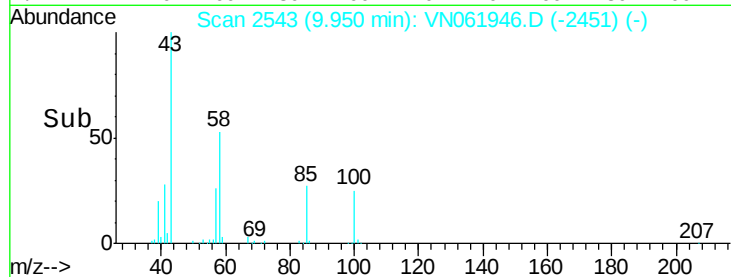
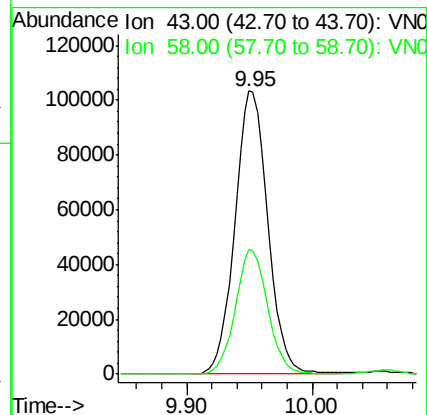
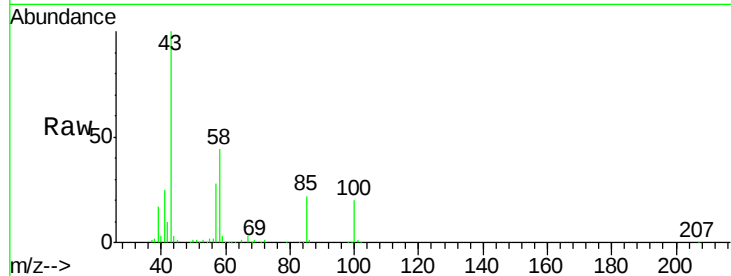
58 43.2 34.6 52.0

Manual Integrations

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#52

Toluene

Concen: 20.107 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061946.D

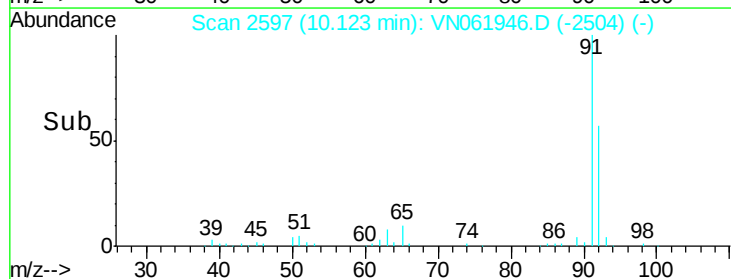
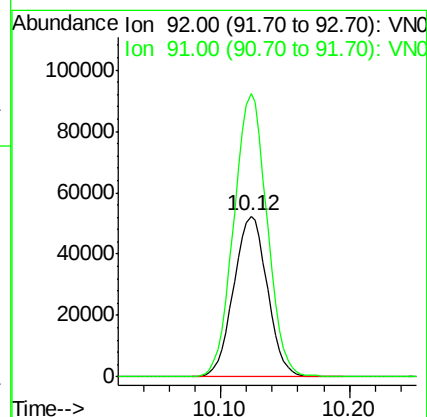
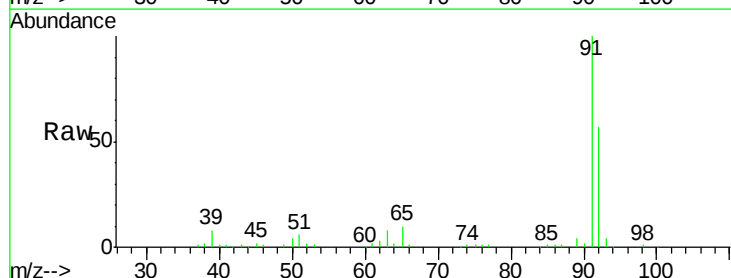
Acq: 19 Jun 2020 12:46

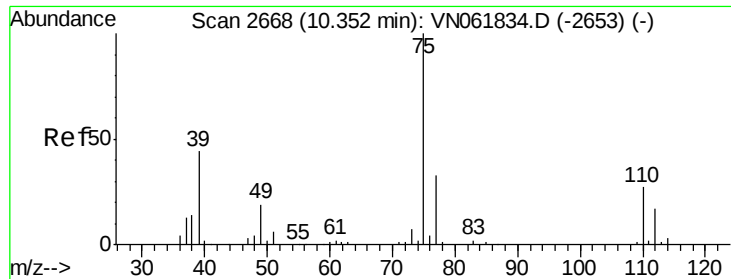
Tgt Ion: 92 Resp: 94784

Ion Ratio Lower Upper

92 100

91 175.1 137.1 205.7





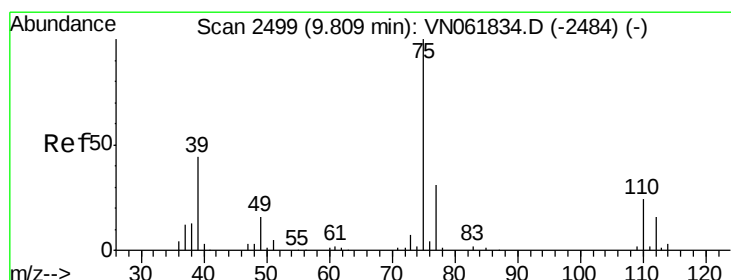
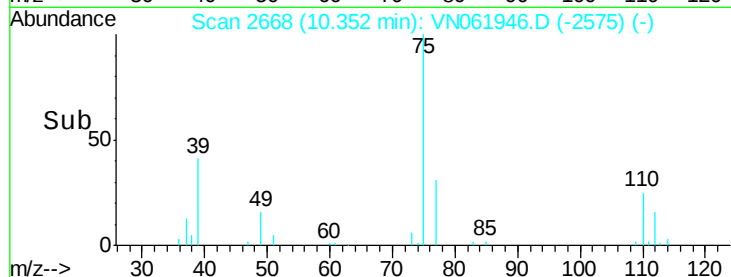
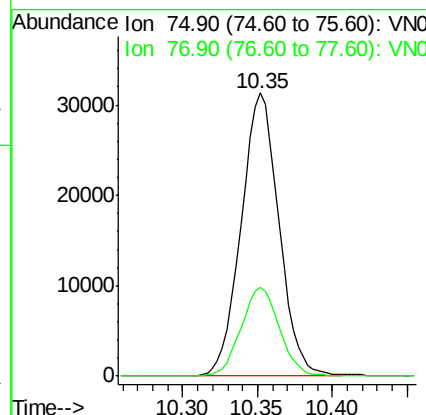
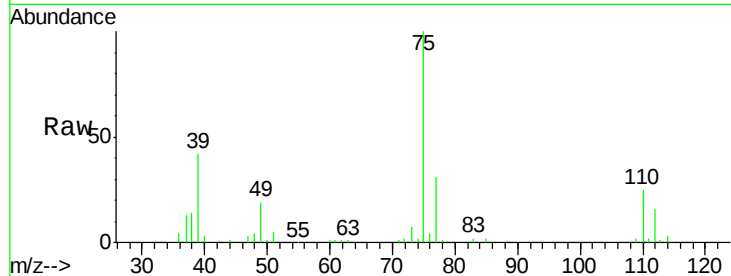
#53
t-1,3-Dichloropropene
Concen: 19.531 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 75 Resp: 55148
Ion Ratio Lower Upper
75 100
77 31.3 26.3 39.5

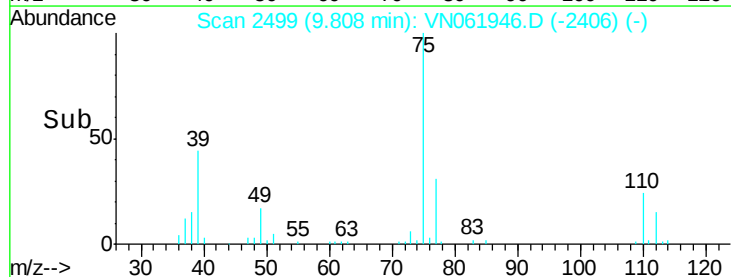
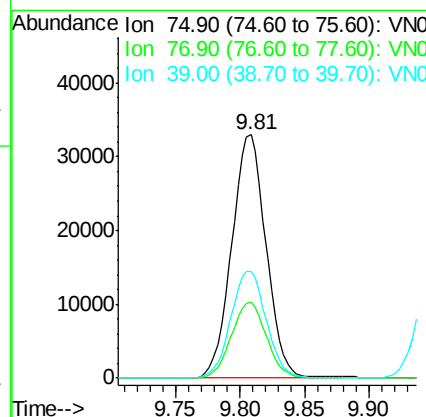
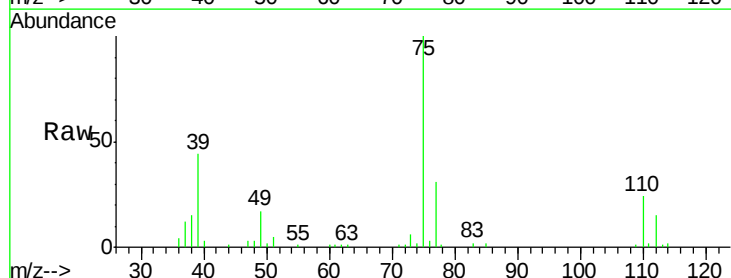
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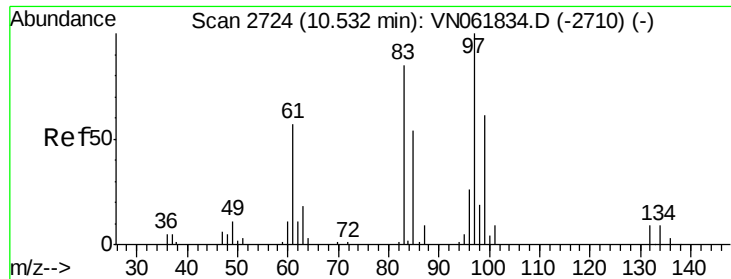
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.941 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion: 75 Resp: 61156
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 43.8 35.4 53.0





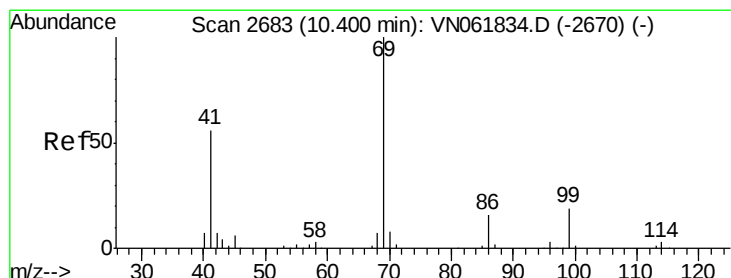
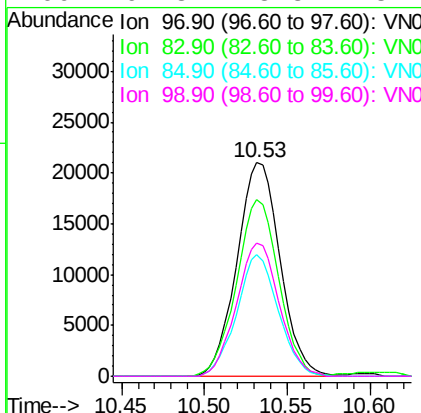
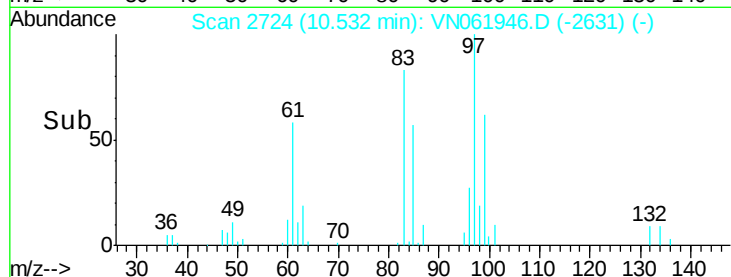
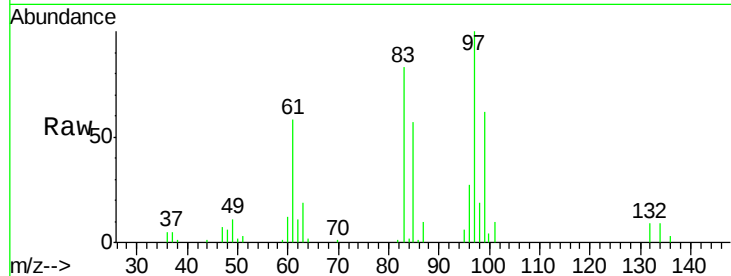
#55
 1,1,2-Trichloroethane
 Concen: 20.588 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	97	Resp	38184
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.7	101.5
85	56.7	43.4	65.0
99	62.3	48.8	73.2

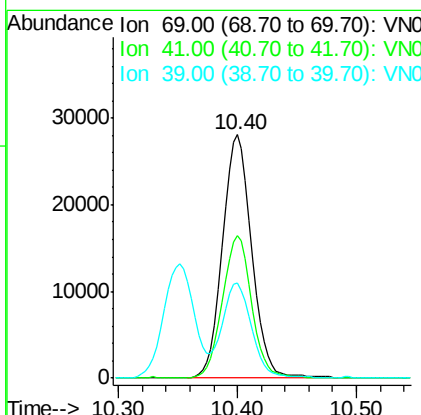
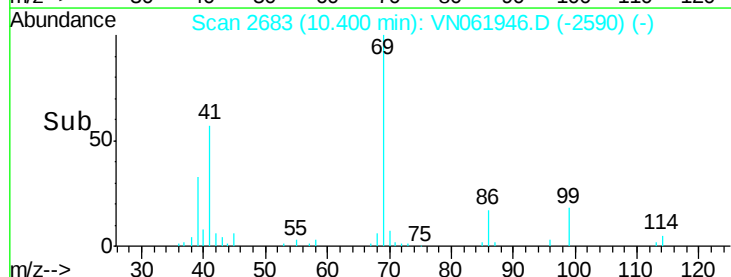
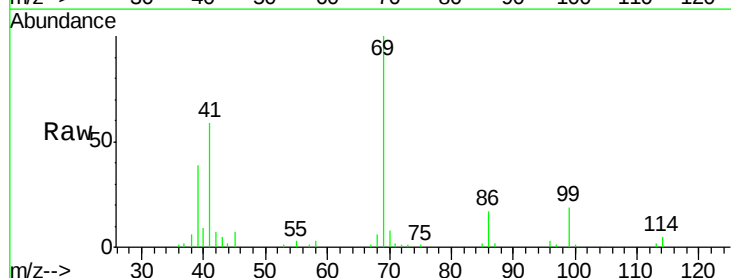
Manual Integrations
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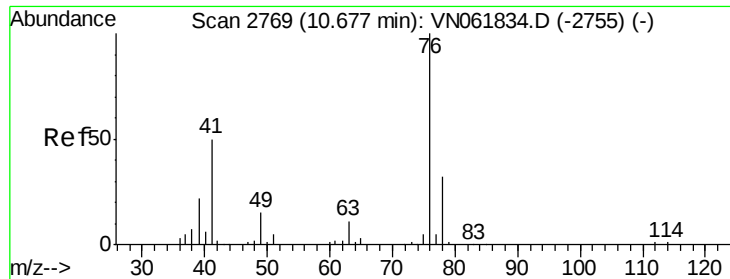
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#56
 Ethyl methacrylate
 Concen: 18.783 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion	69	Resp	47761
Ion	Ratio	Lower	Upper
69	100		
41	58.6	44.9	67.3
39	37.6	30.0	45.0





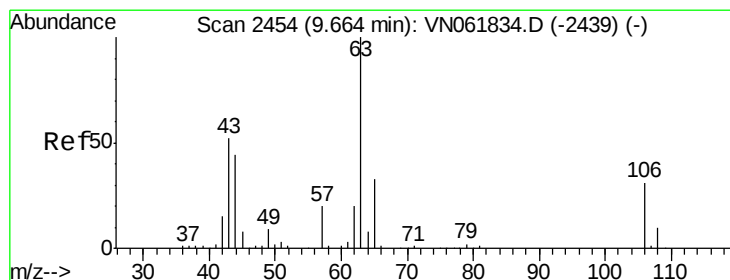
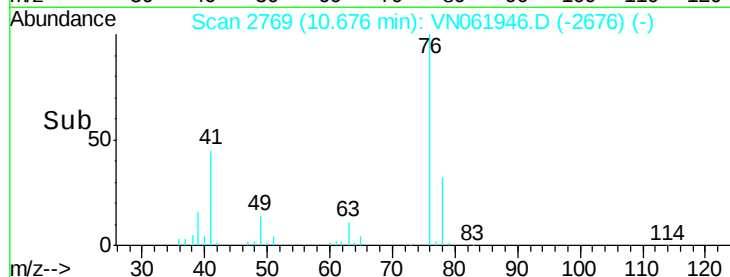
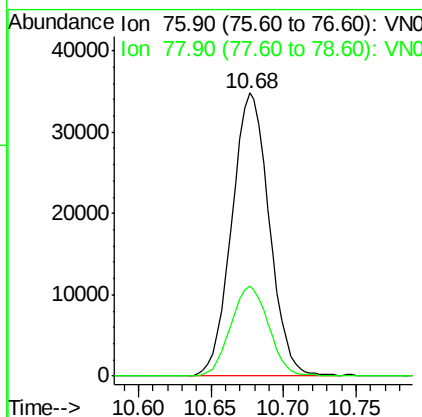
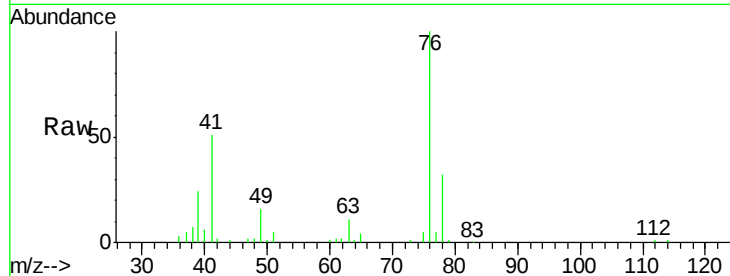
#57
 1,3-Dichloropropane
 Concen: 19.887 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion: 76 Resp: 62486
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

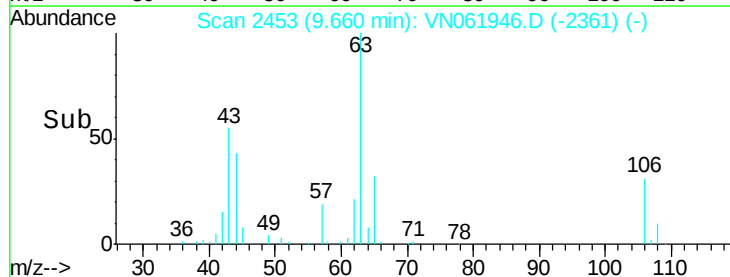
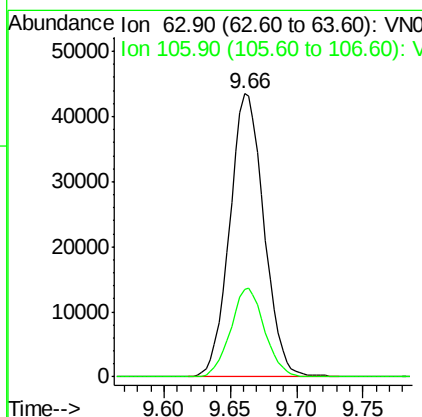
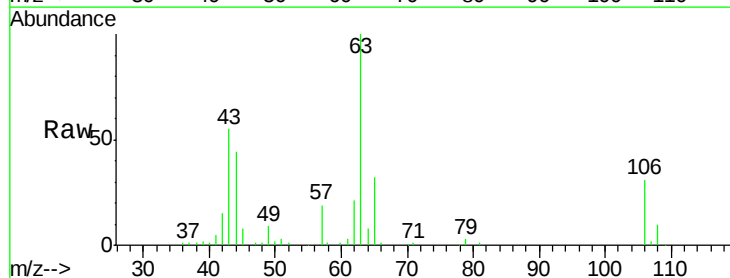
Manual Integrations
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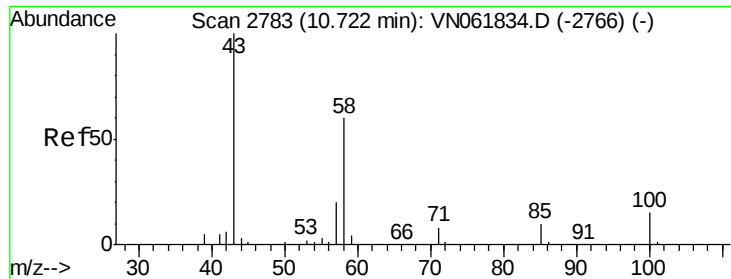
MMDadoda
 6/22/2020 1:25:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 79.828 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion: 63 Resp: 78140
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.6 36.8





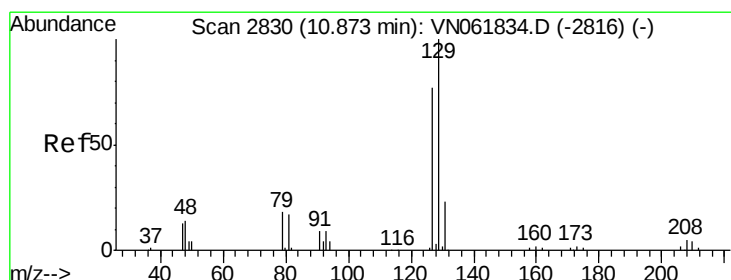
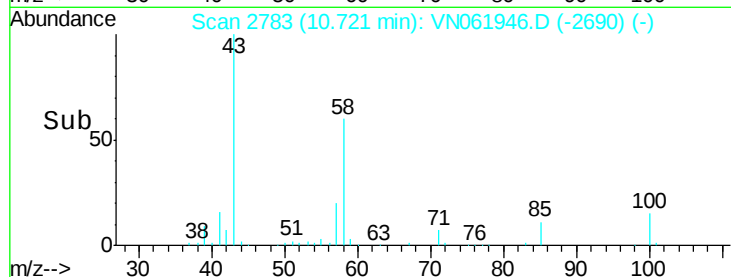
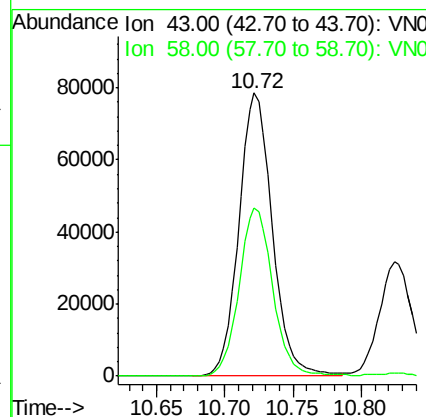
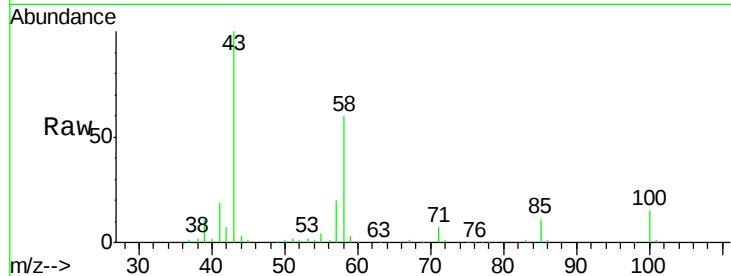
#59
2-Hexanone
Concen: 95.651 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 43 Resp: 133786
Ion Ratio Lower Upper
43 100
58 59.9 30.1 90.5

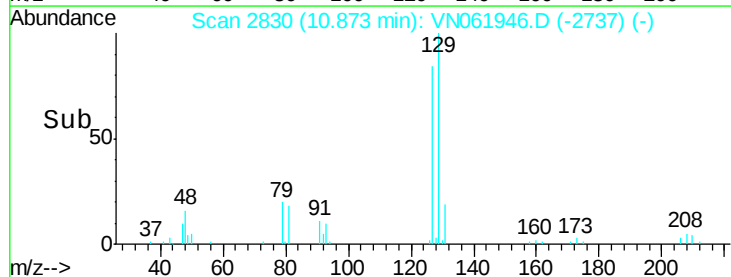
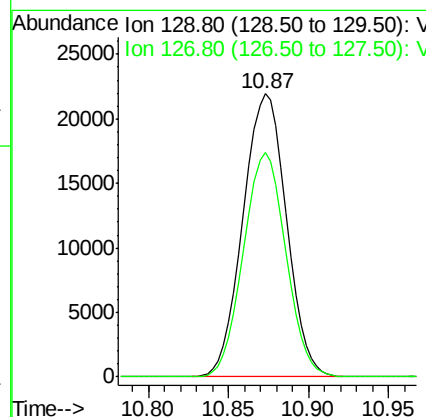
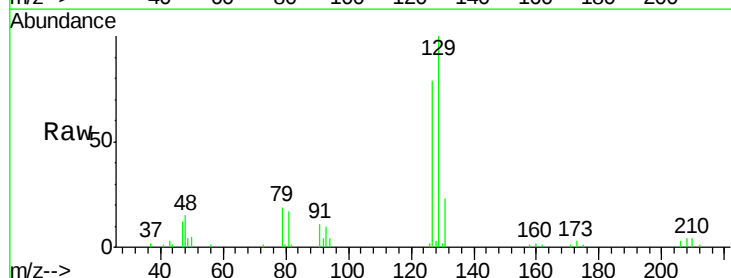
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#60
Dibromochloromethane
Concen: 19.704 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion: 129 Resp: 40779
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





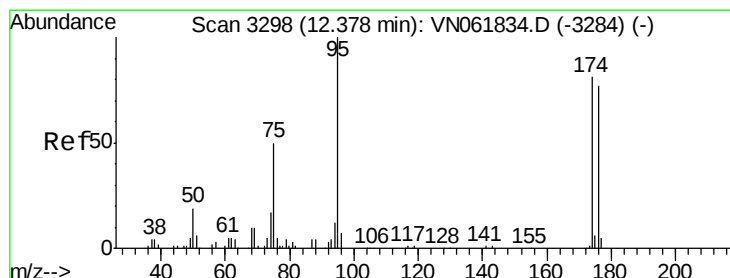
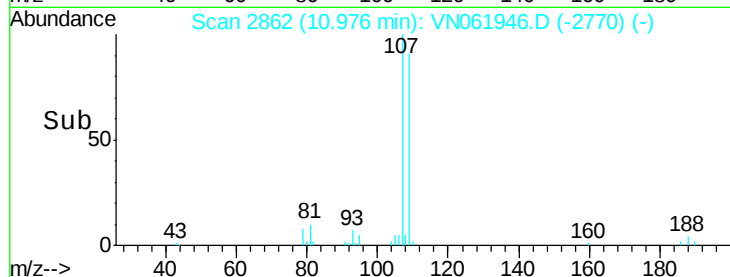
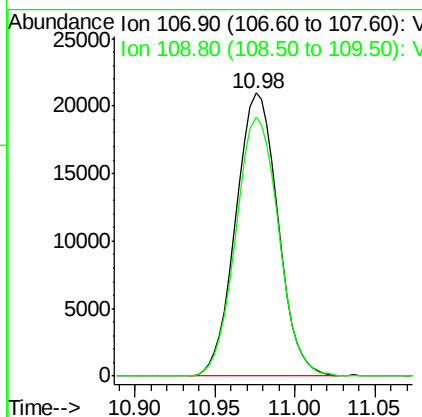
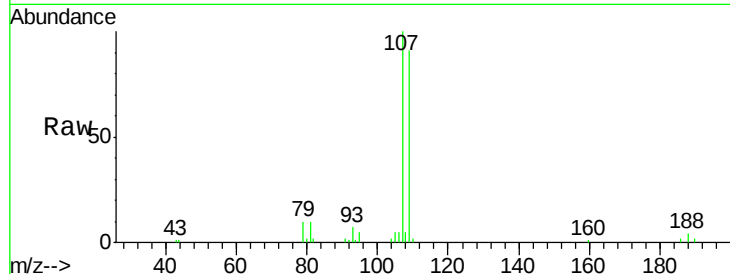
#61
 1,2-Dibromoethane
 Concen: 19.444 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion: 107 Resp: 37656
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.0 112.6

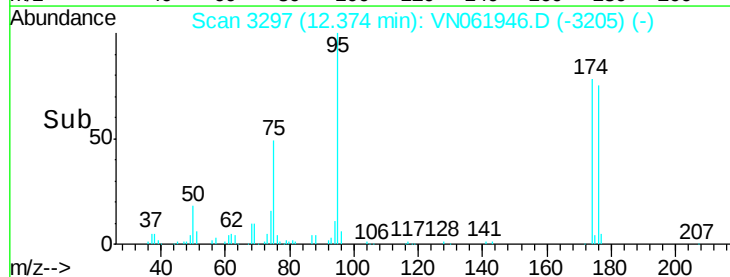
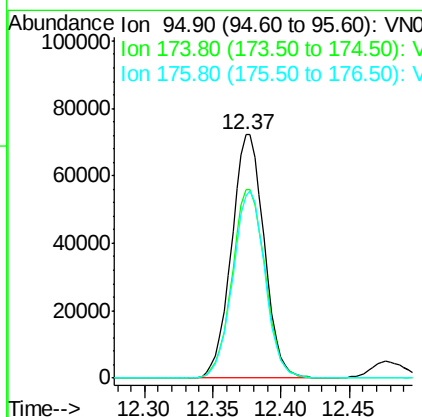
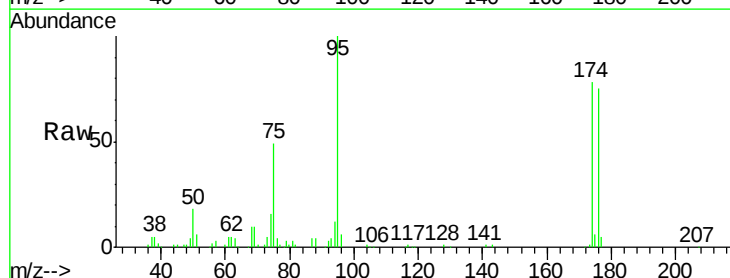
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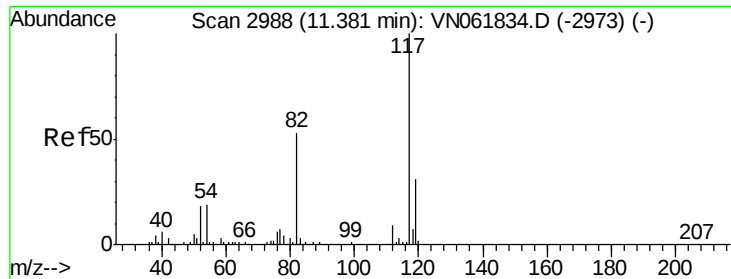
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#62
 4-Bromofluorobenzene
 Concen: 51.239 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion: 95 Resp: 120088
 Ion Ratio Lower Upper
 95 100
 174 78.4 0.0 158.6
 176 75.5 0.0 152.0





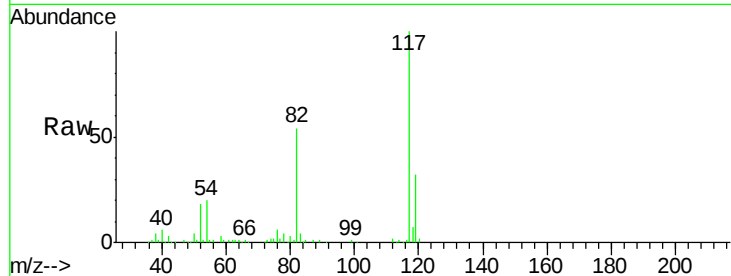
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.6	64.0
119	32.5	24.7	37.1

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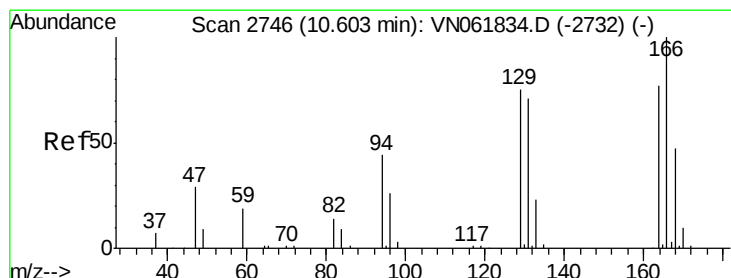
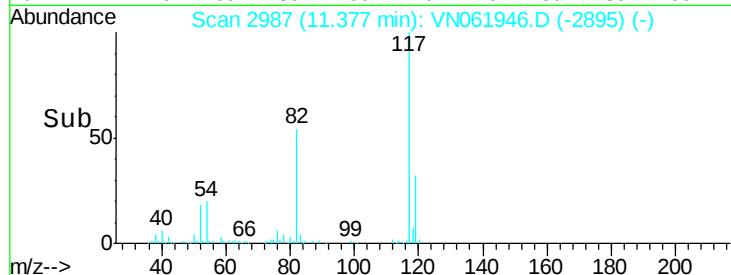
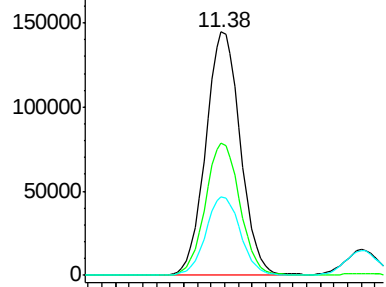


Abundance

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: 19.746 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	103.5	155.3
129	97.5	77.5	116.3
131	97.1	73.8	110.8

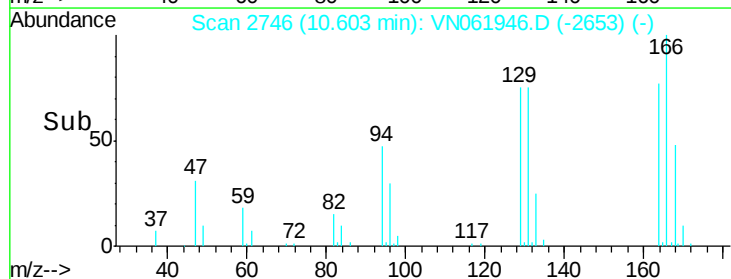
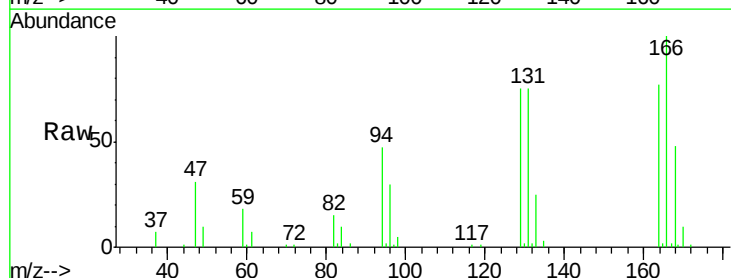
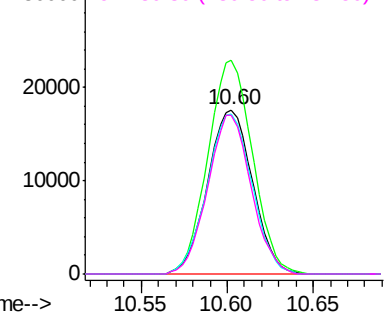
Abundance

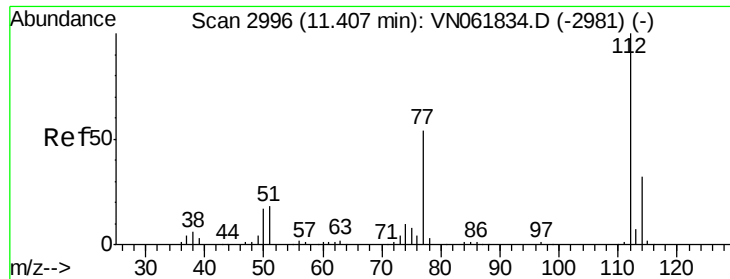
Ion 163.80 (163.50 to 164.50): V

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: 19.089 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion:112 Resp: 102479

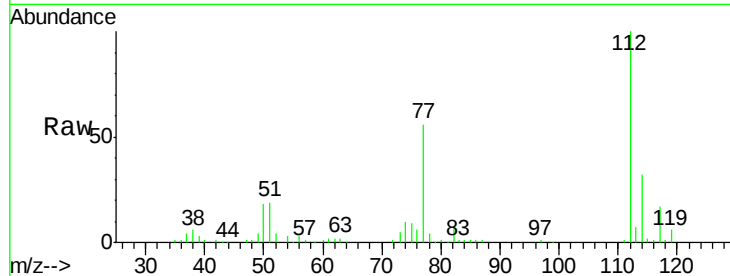
Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.6

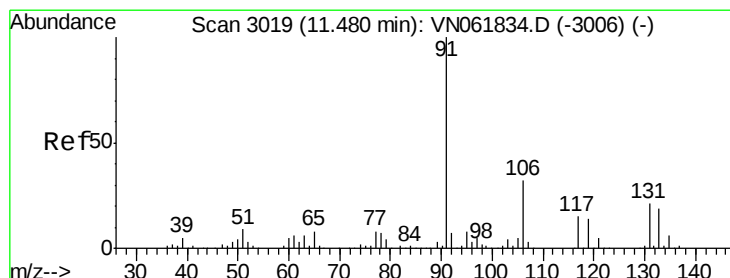
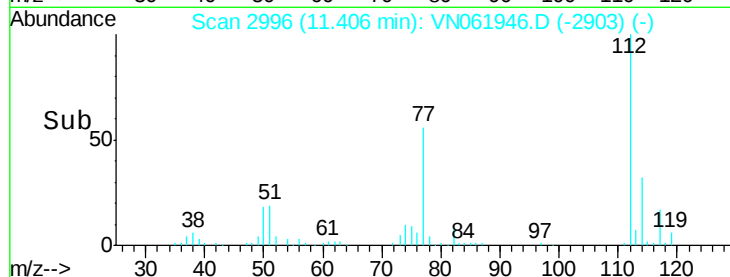
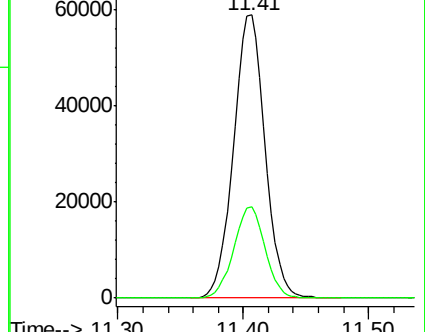
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.426 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

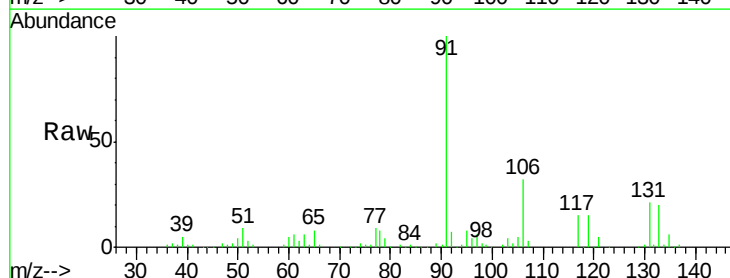
Tgt Ion:131 Resp: 36372

Ion Ratio Lower Upper

131 100

133 98.4 47.5 142.5

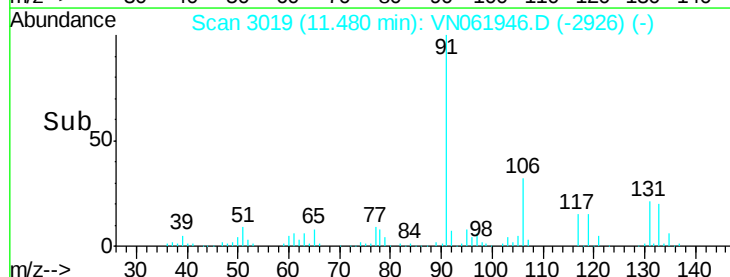
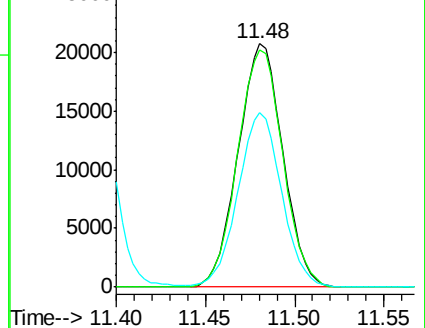
119 70.1 34.0 101.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





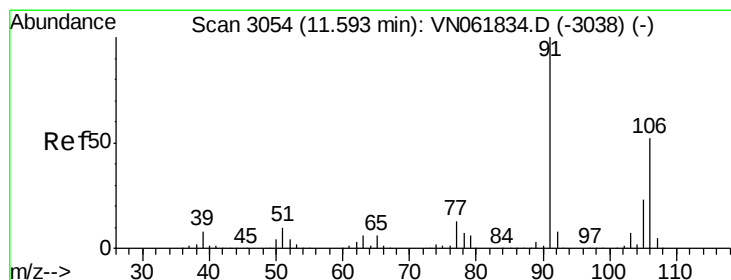
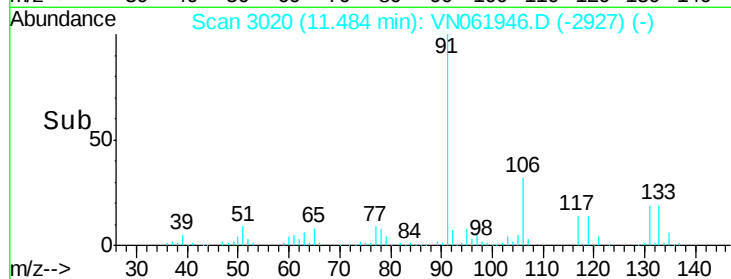
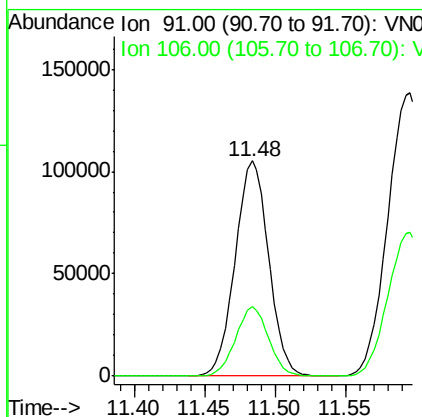
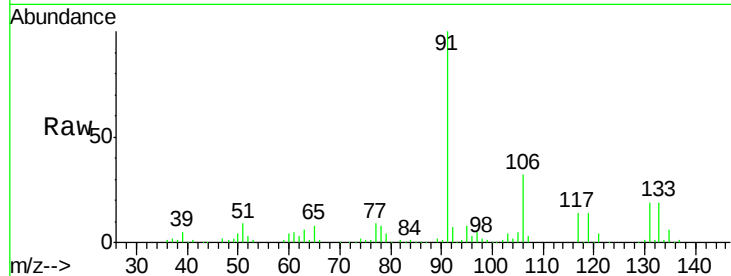
#67
Ethyl Benzene
Concen: 19.516 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 91 Resp: 175658
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2

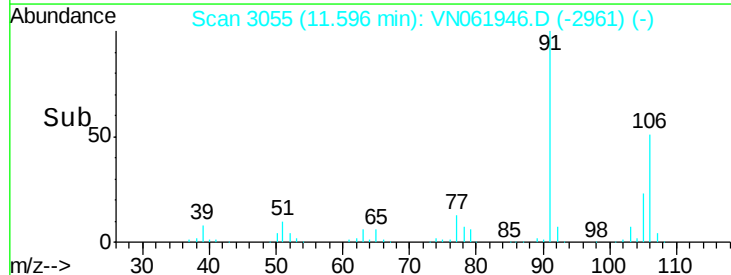
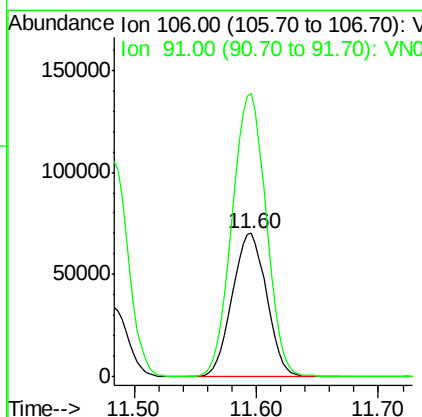
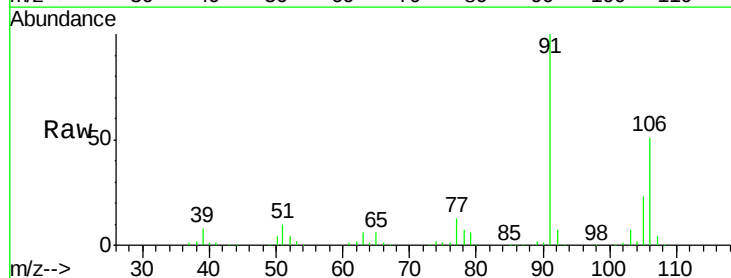
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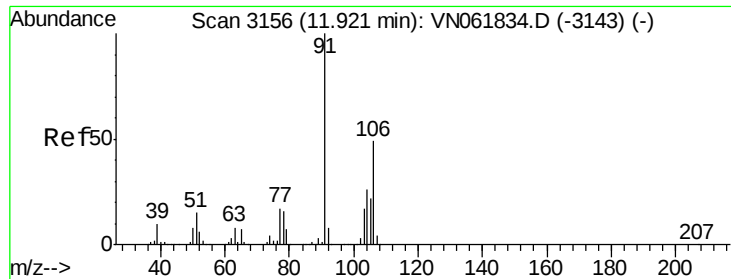
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#68
m/p-Xylenes
Concen: 39.564 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion: 106 Resp: 137314
Ion Ratio Lower Upper
106 100
91 194.9 157.0 235.6





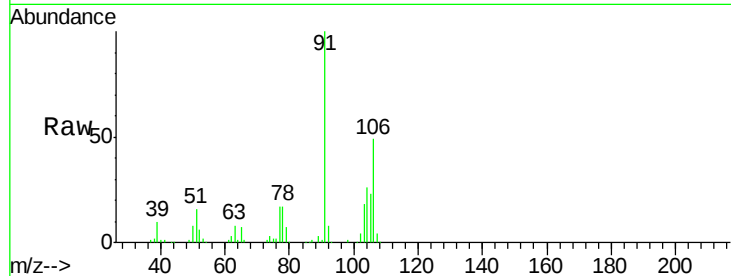
#69
o-Xylene
Concen: 19.582 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

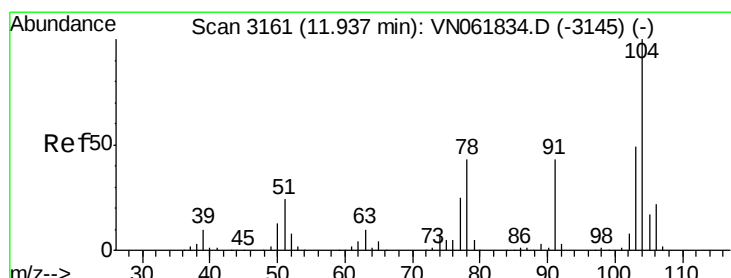
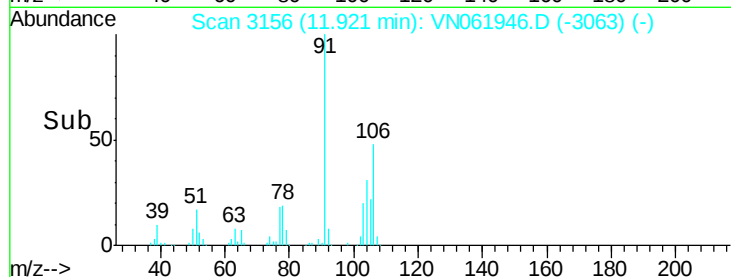
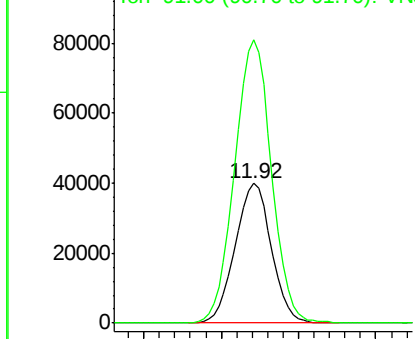
Tot Ion:106 Resp: 64849
Ion Ratio Lower Upper
106 100
91 206.3 103.0 308.9

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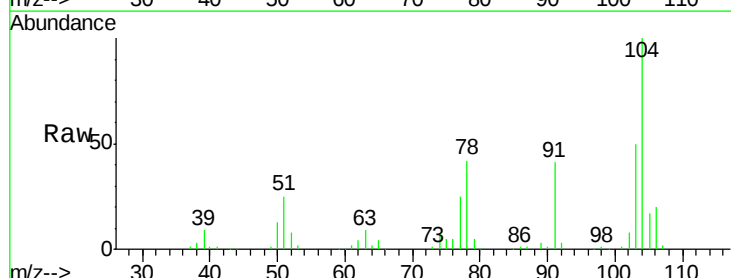


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

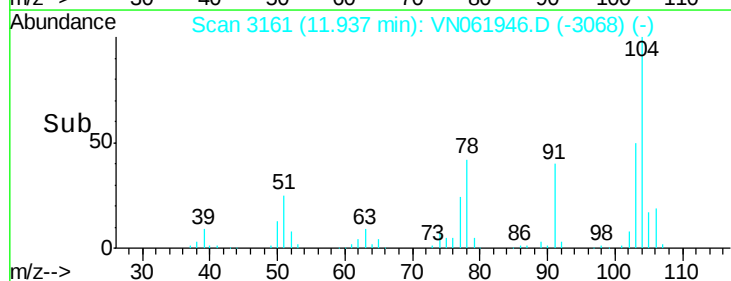
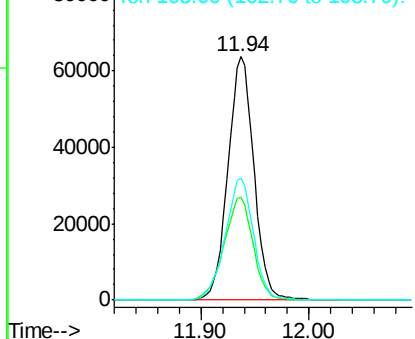


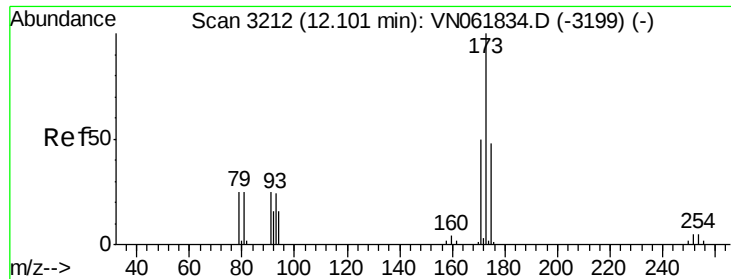
#70
Styrene
Concen: 19.335 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion:104 Resp: 107211
Ion Ratio Lower Upper
104 100
78 47.3 37.6 56.4
103 54.2 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.371 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

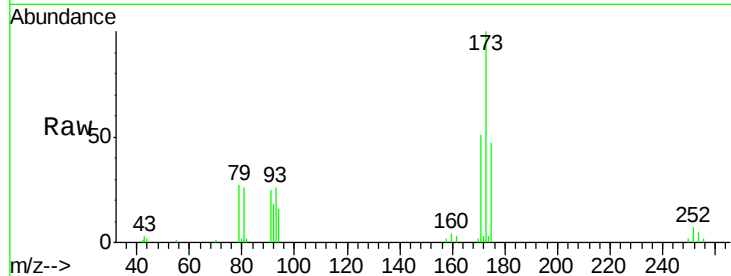
ClientSampleId :

VN0619WBS01

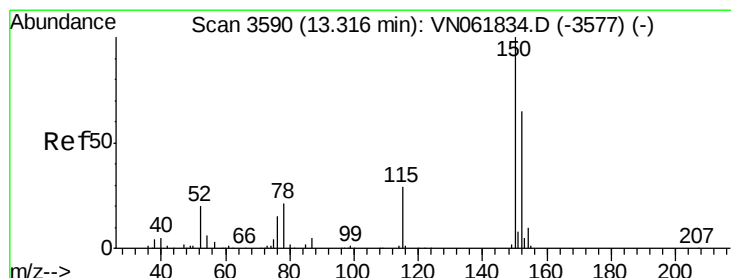
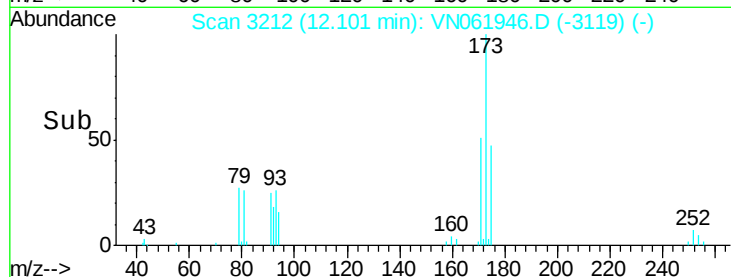
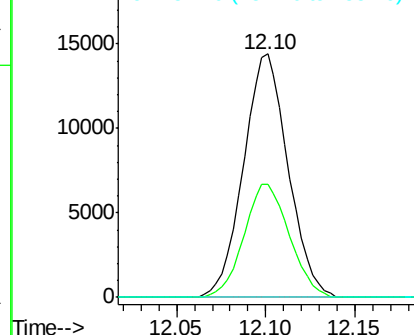
Tot Ion:	173	Resp:	25080
Ion Ratio	Lower	Upper	
173	100		
175	47.2	23.9	71.7
254	0.0	0.0	0.0

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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

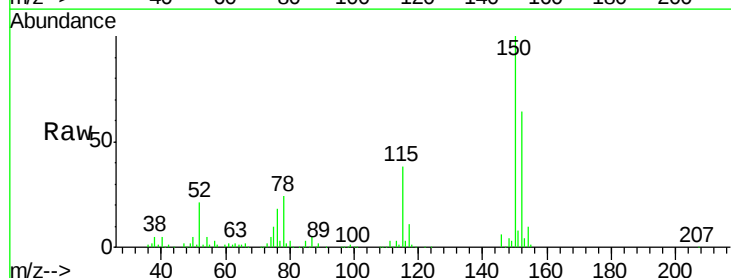
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

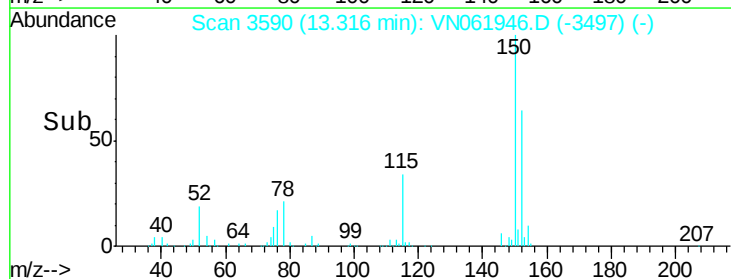
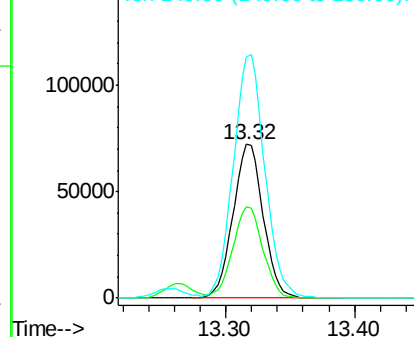
Lab File: VN061946.D

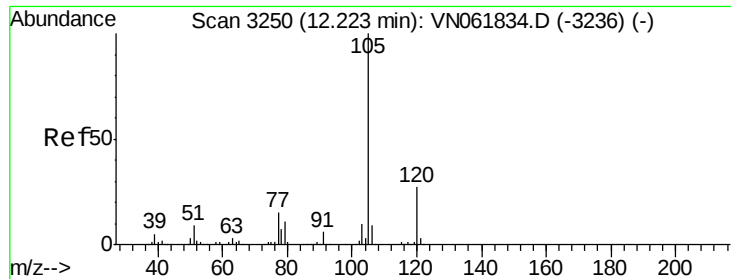
Acq: 19 Jun 2020 12:46

Tgt Ion:	152	Resp:	117152
Ion Ratio	Lower	Upper	
152	100		
115	59.3	29.1	87.3
150	164.8	0.0	347.6



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: 20.576 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 105 Resp: 171294

Ion Ratio Lower Upper

105 100

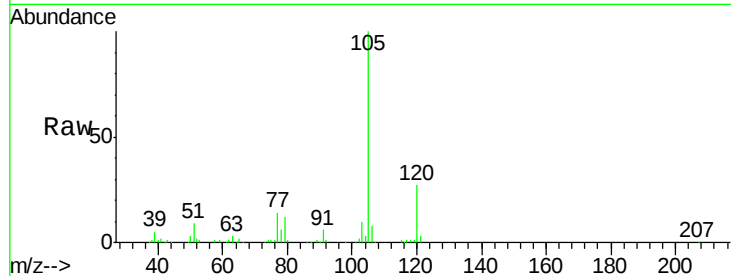
120 26.4 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

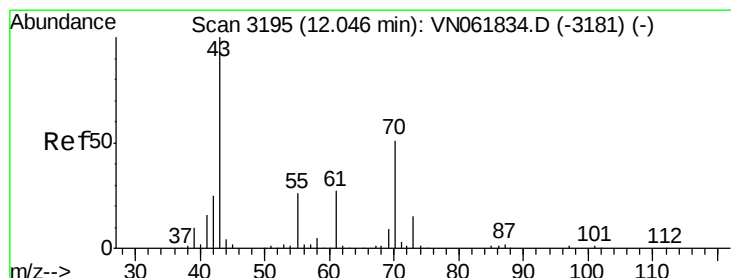
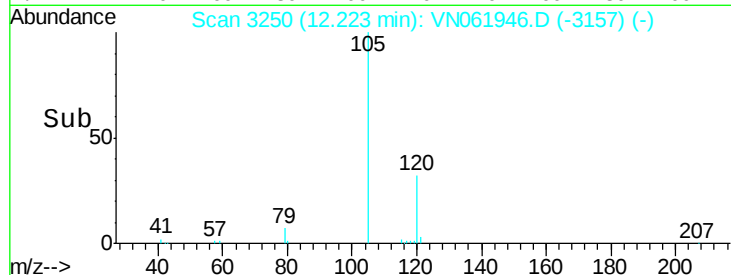
40000

20000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 18.876 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Tgt Ion: 43 Resp: 50782

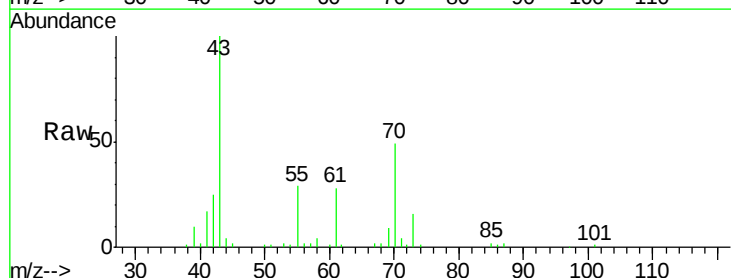
Ion Ratio Lower Upper

43 100

70 50.7 40.6 60.8

55 29.7 21.5 32.3

61 27.8 21.6 32.4



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

50000

40000

30000

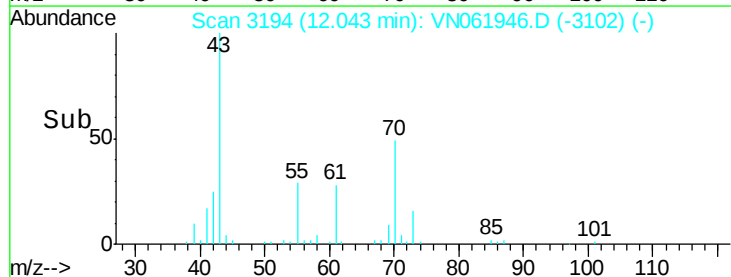
20000

10000

0

12.00 12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.827 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

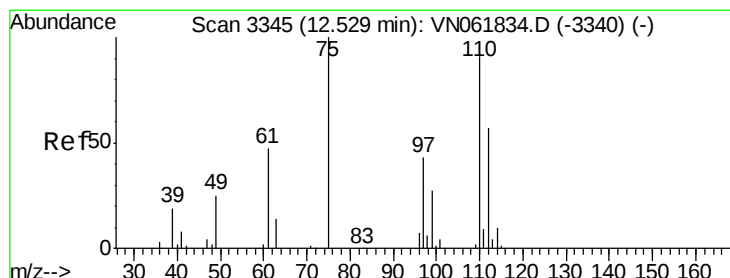
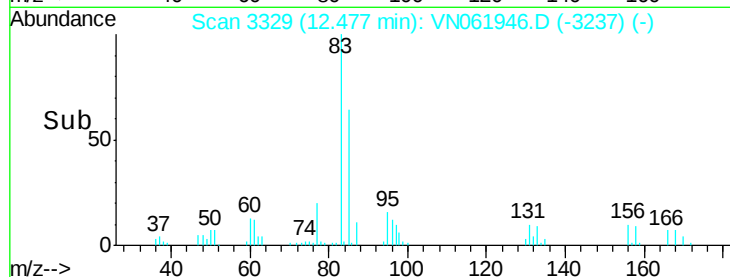
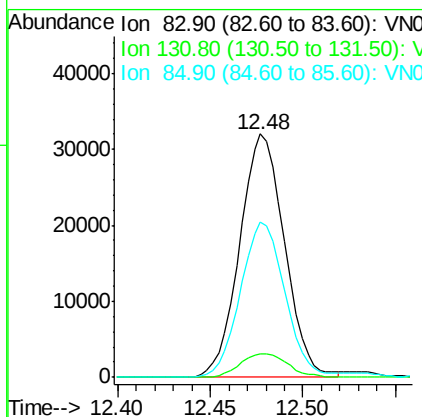
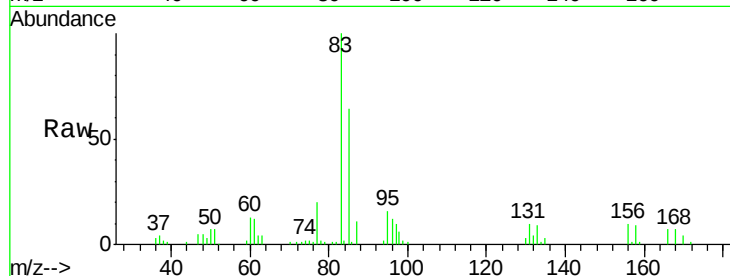
ClientSampled :

VN0619WBS01

Tot Ion:	83	Resp:	53664
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	63.6	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 19.084 ug/l m

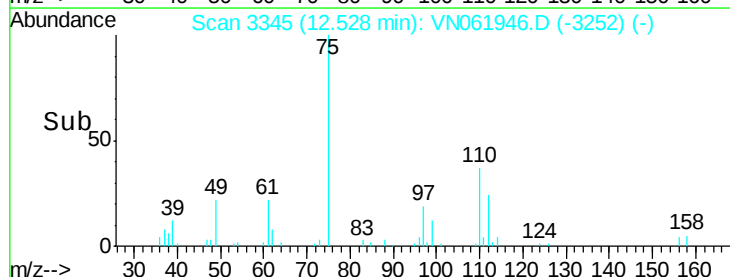
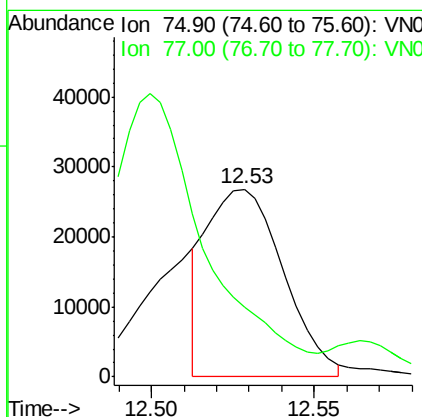
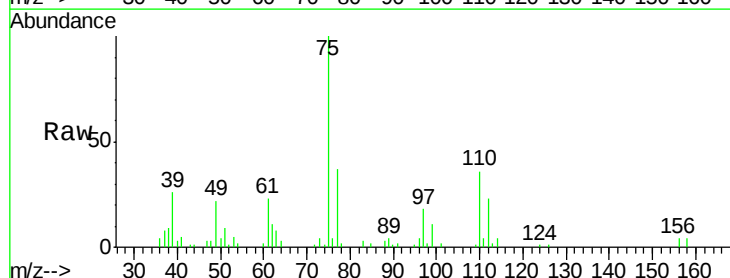
RT: 12.53 min Scan# 3345

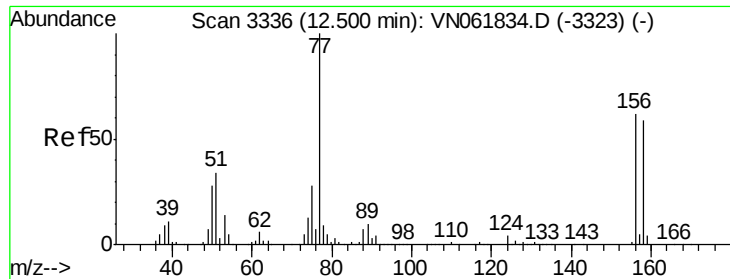
Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Tgt Ion:	75	Resp:	43892
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





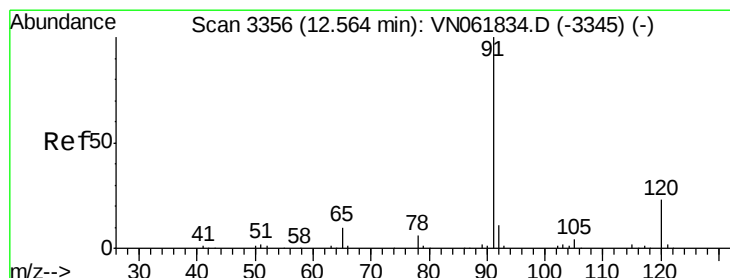
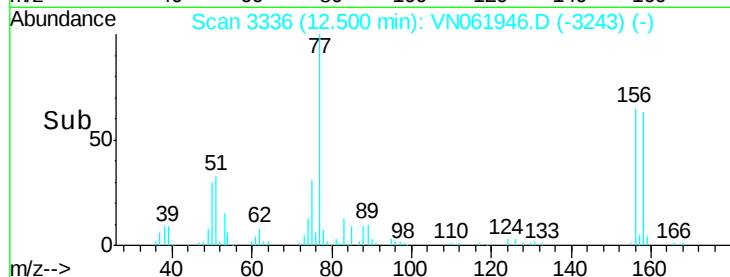
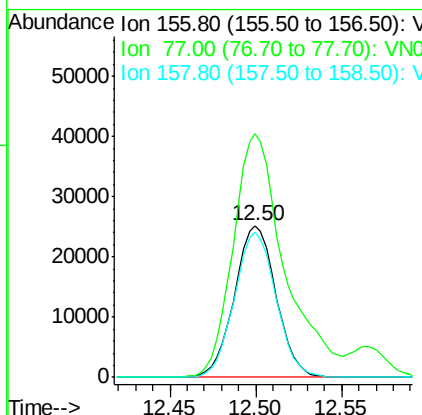
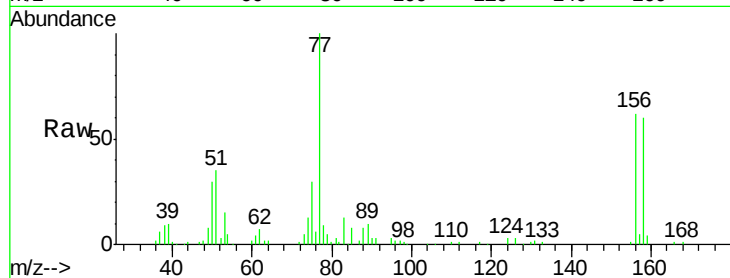
#77
Bromobenzene
Concen: 20.100 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.1	100.7	302.1
158	95.8	48.5	145.5

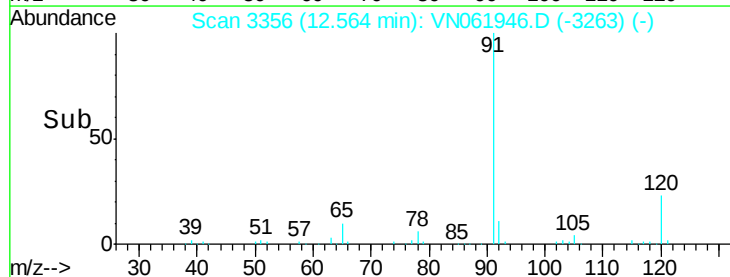
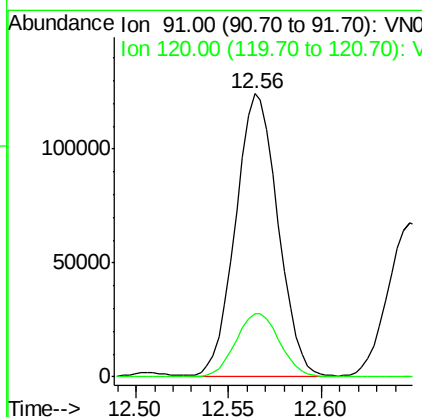
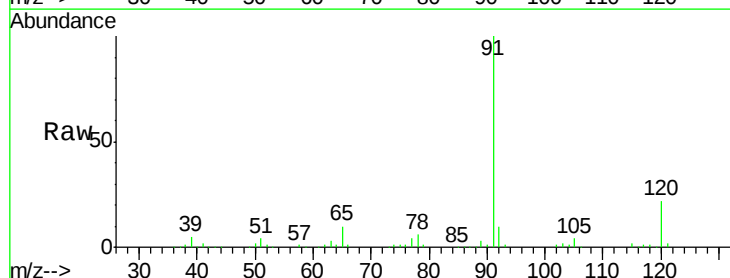
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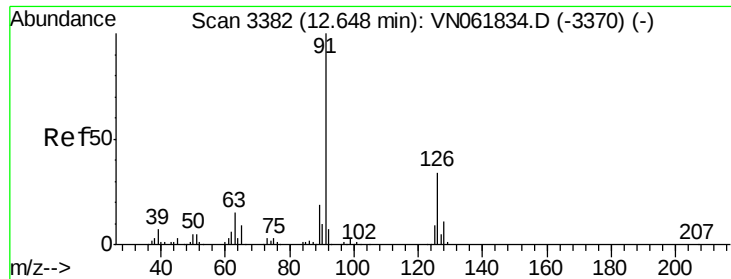
MMDadoda
6/22/2020 1:25:13 PM



#78
n-propylbenzene
Concen: 20.613 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.6	34.8





#79

2-Chlorotoluene

Concen: 20.098 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 91 Resp: 114660

Ion Ratio Lower Upper

91 100

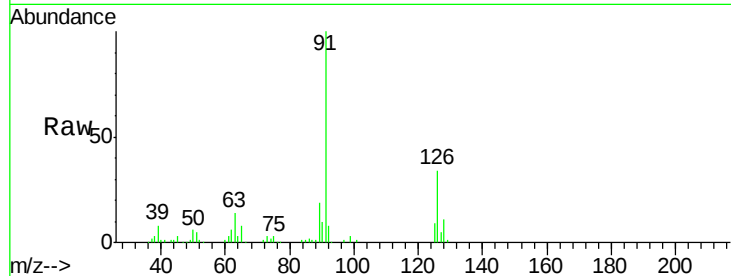
126 34.6 17.3 51.7

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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061834.D (-3370) (-)

100000

80000

60000

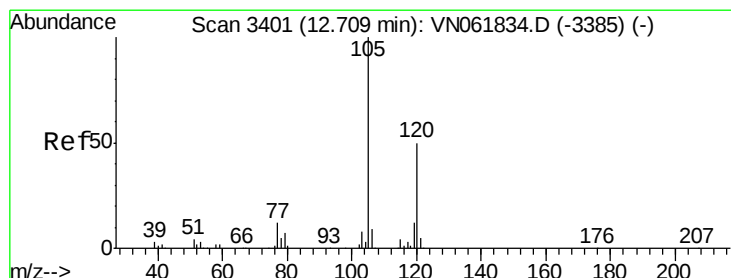
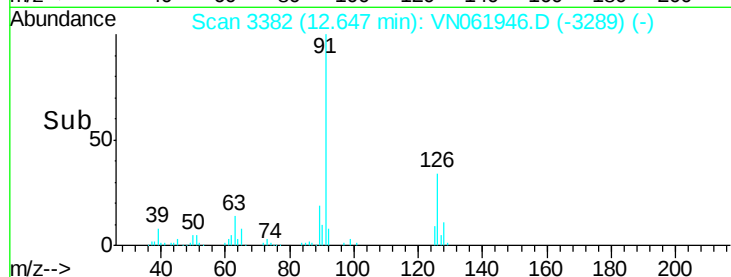
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.632 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061946.D

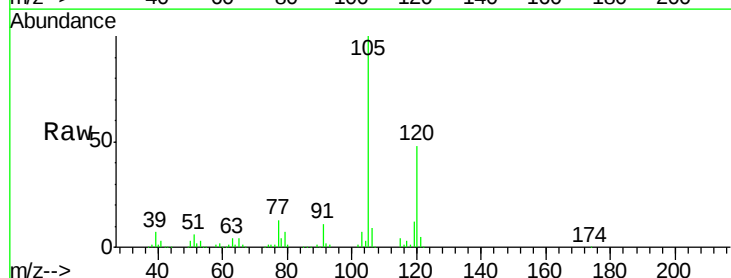
Acq: 19 Jun 2020 12:46

Tgt Ion: 105 Resp: 142103

Ion Ratio Lower Upper

105 100

120 48.7 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061834.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061834.D (-3385) (-)

100000

80000

60000

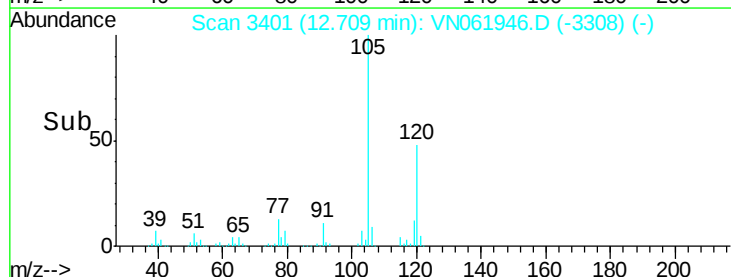
40000

20000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.281 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061946.D

Acq: 19 Jun 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 75 Resp: 17103

Ion Ratio Lower Upper

75 100

53 87.2 70.4 105.6

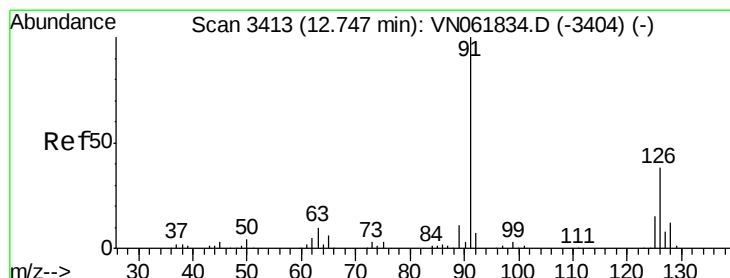
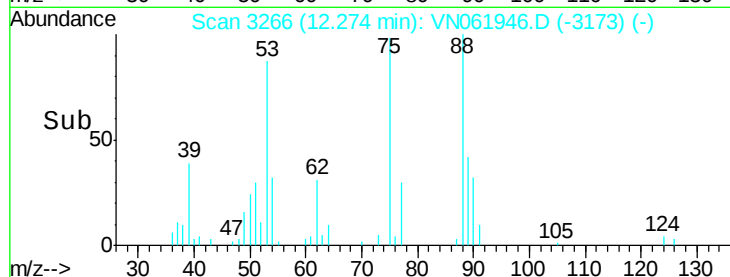
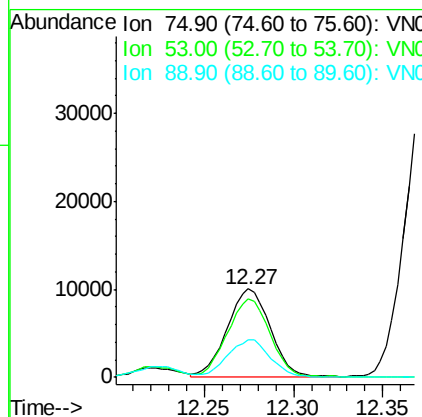
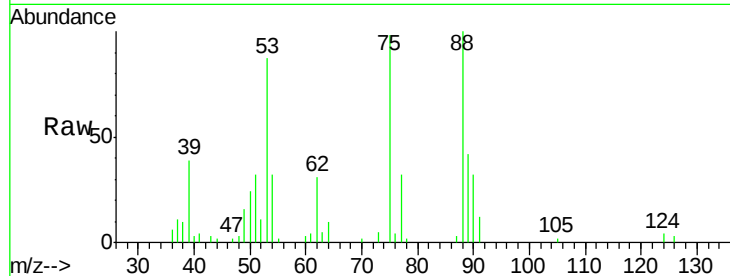
89 42.3 36.0 54.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 20.095 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061946.D

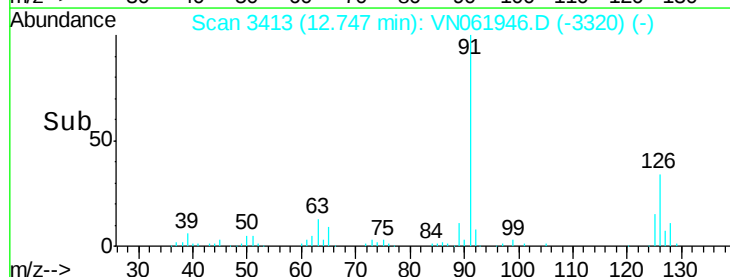
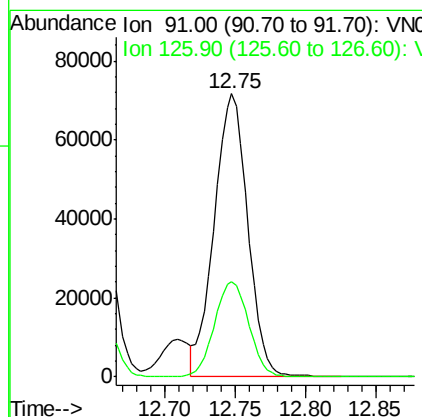
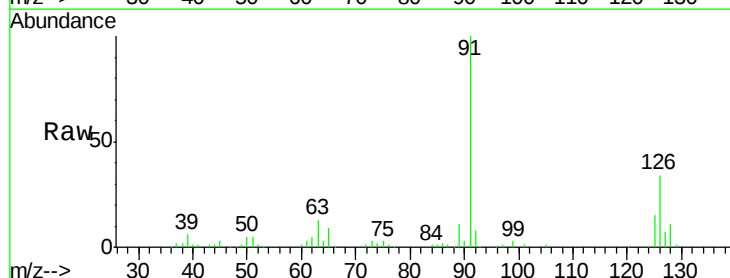
Acq: 19 Jun 2020 12:46

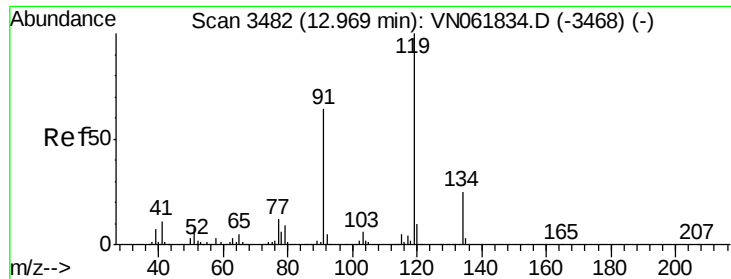
Tgt Ion: 91 Resp: 118461

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.6





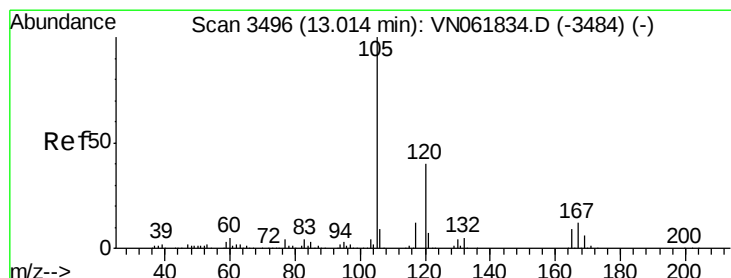
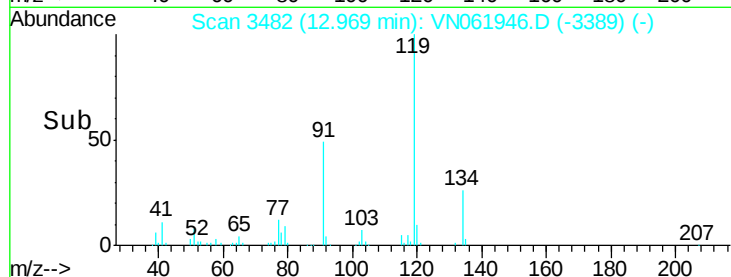
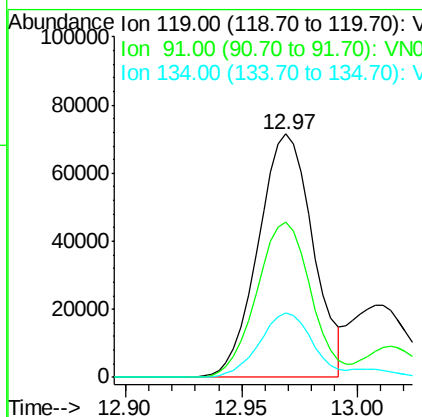
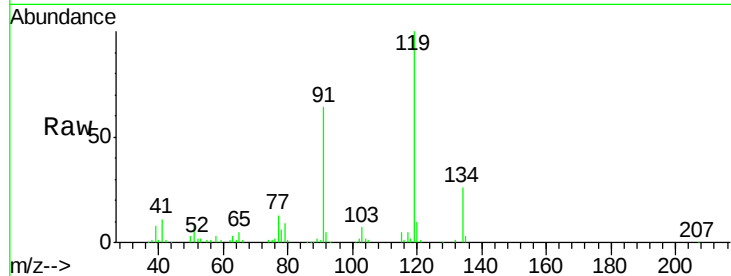
#83
tert-Butylbenzene
Concen: 20.126 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	117516		
91	62.9	31.5	94.5	
134	26.0	13.3	39.9	

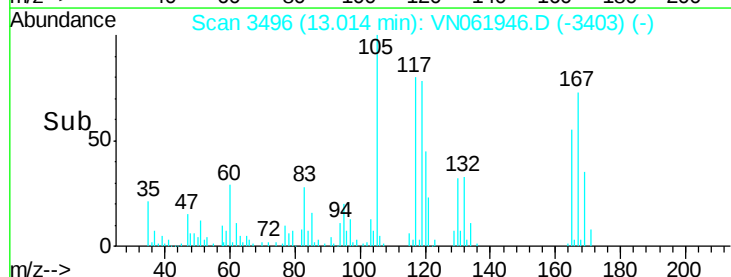
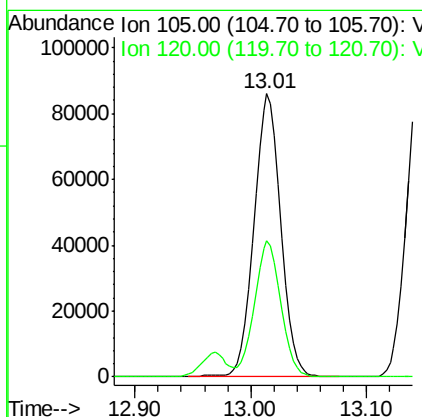
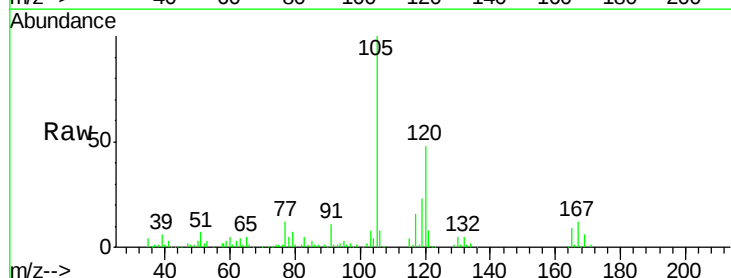
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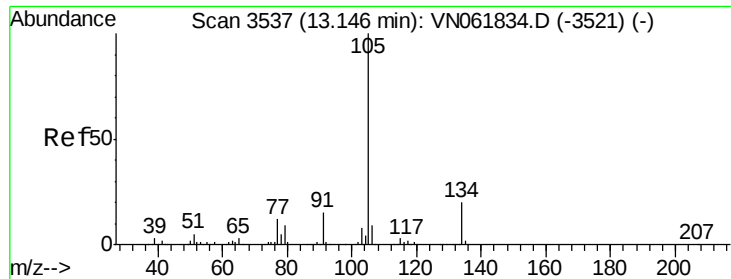
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#84
1,2,4-Trimethylbenzene
Concen: 20.499 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	139366		
120	47.3	23.3	69.9	





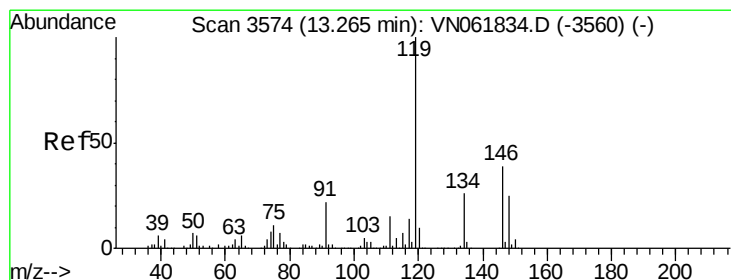
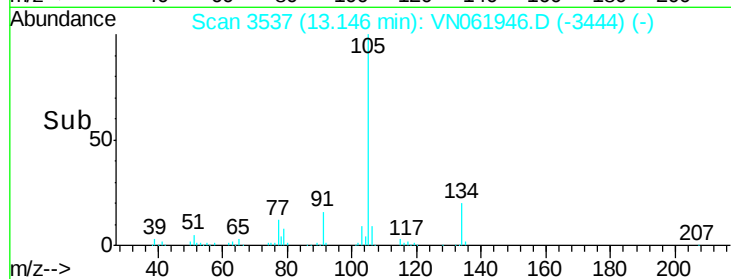
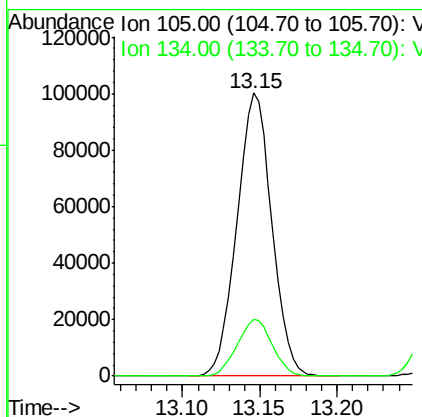
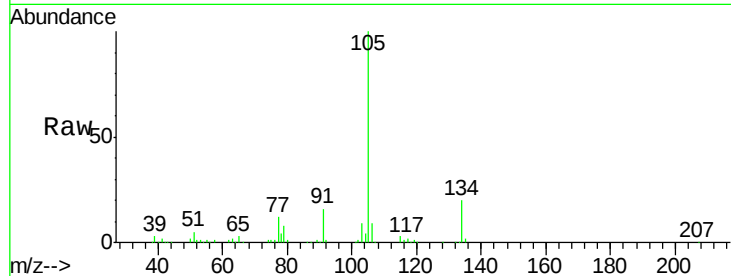
#85
 sec-Butylbenzene
 Concen: 20.521 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	156831		
134	20.2	10.1	30.1	

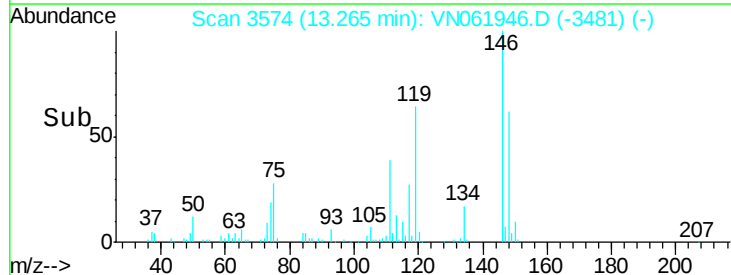
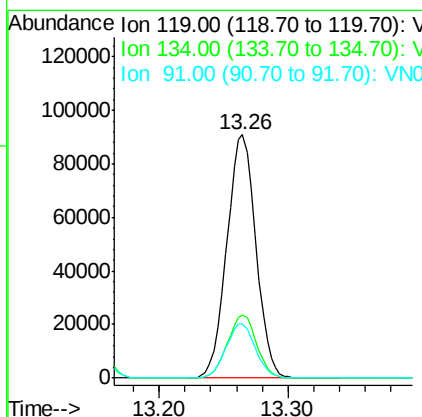
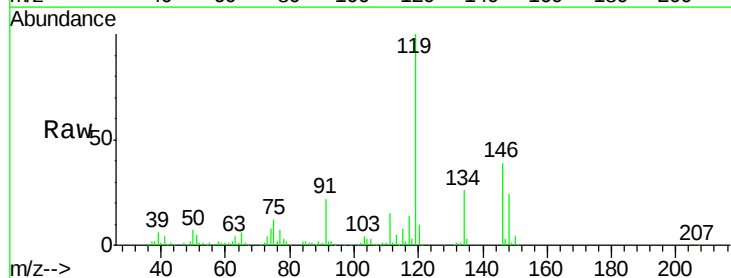
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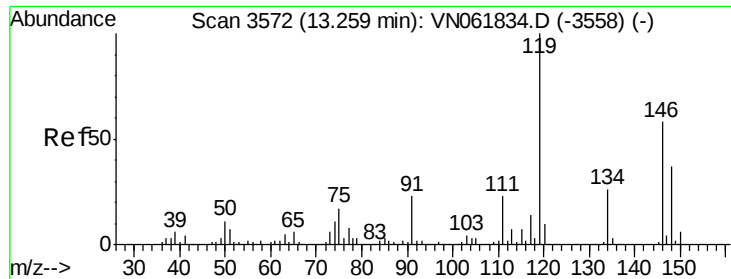
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.899 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	142325		
134	25.8	13.3	39.9	
91	22.6	11.2	33.6	





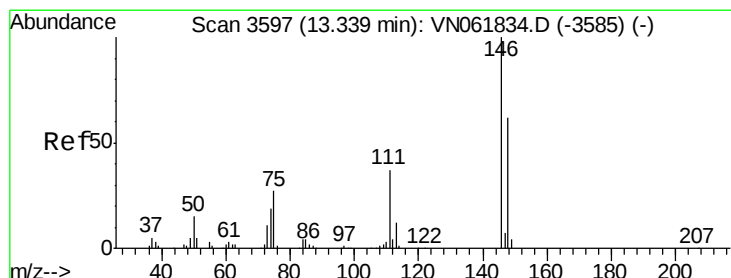
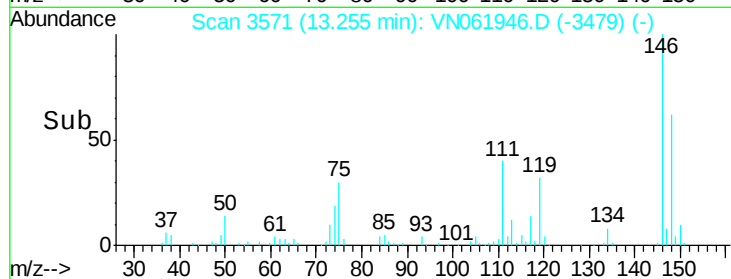
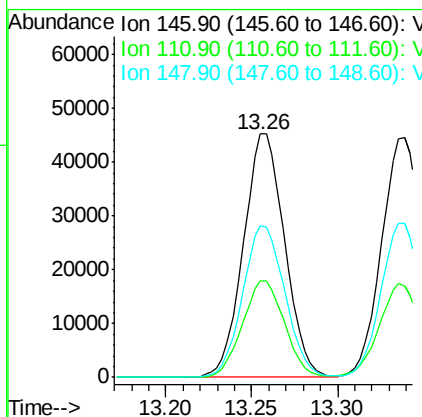
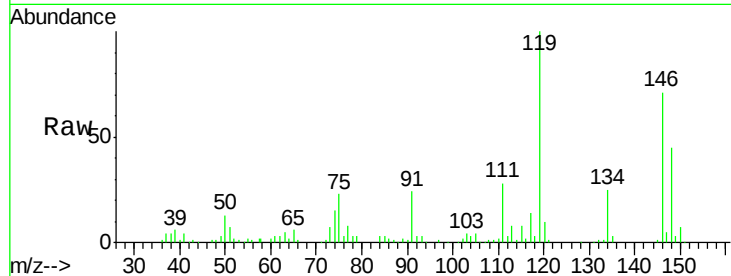
#87
 1,3-Dichlorobenzene
 Concen: 19.645 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.8
148	63.7	31.8	95.4

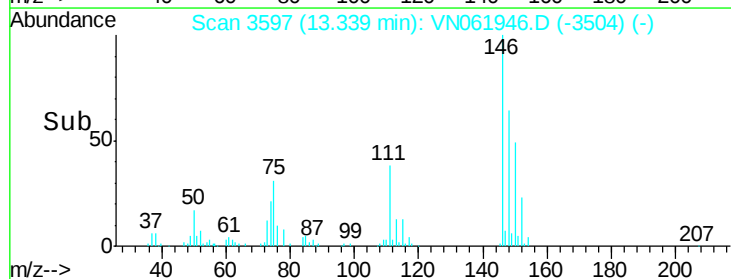
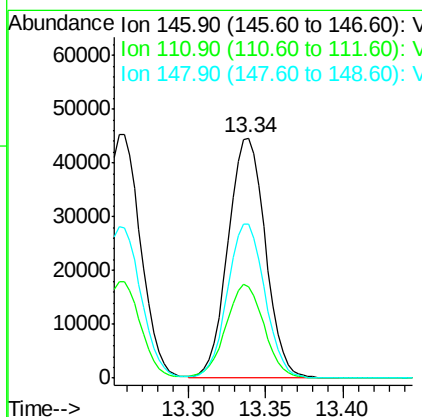
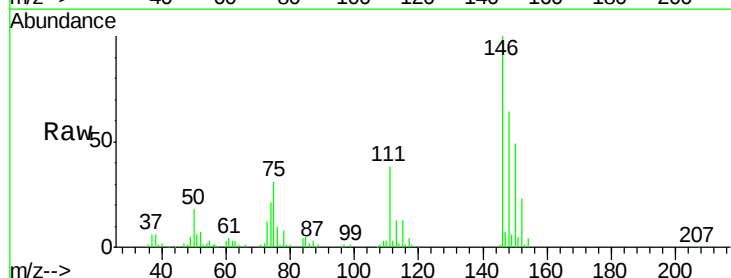
Manual Integrations
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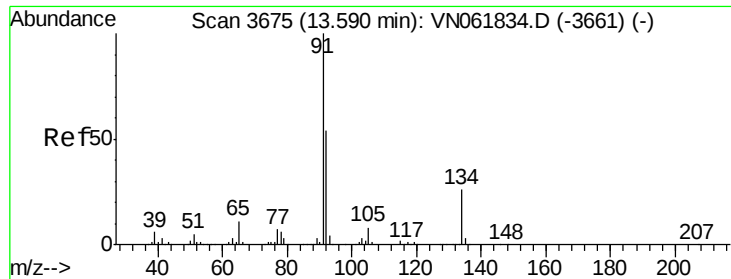
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 6/22/2020 1:25:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.124 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.8
148	64.3	31.6	94.7





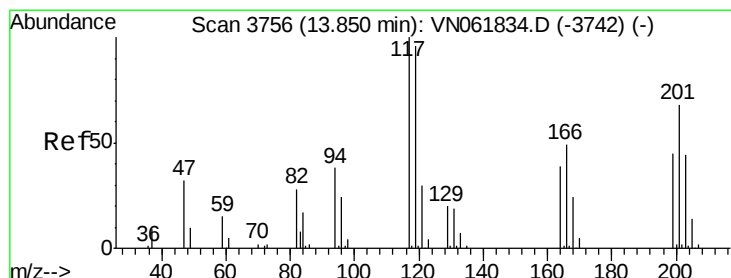
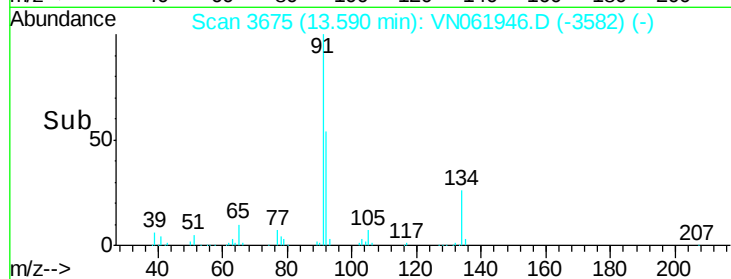
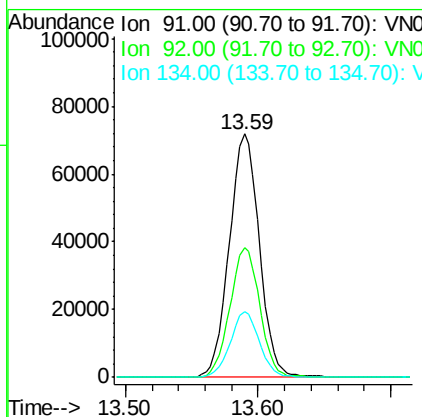
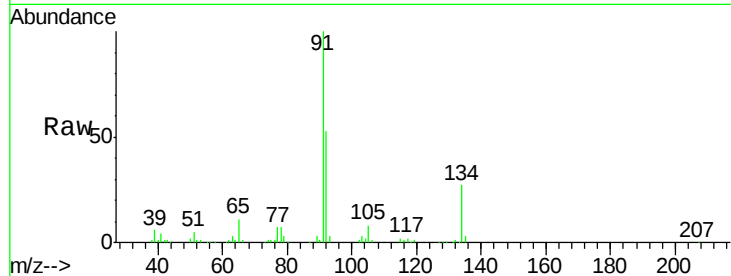
#89
n-Butylbenzene
Concen: 19.909 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	80.8
134	26.1	13.0	39.0

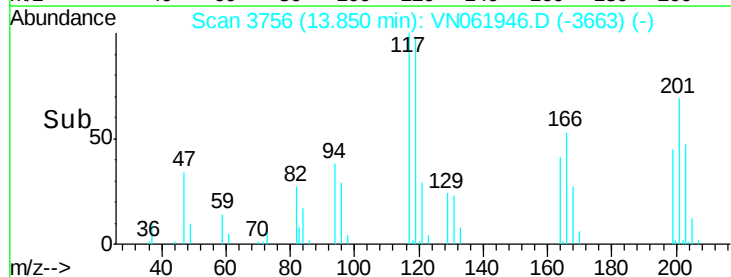
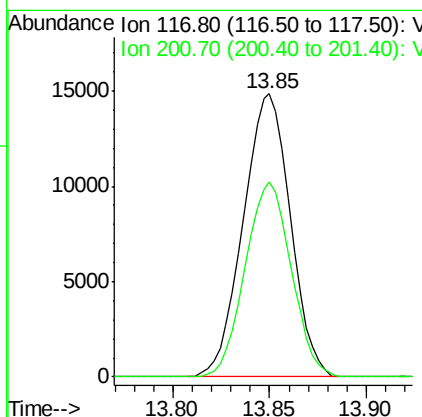
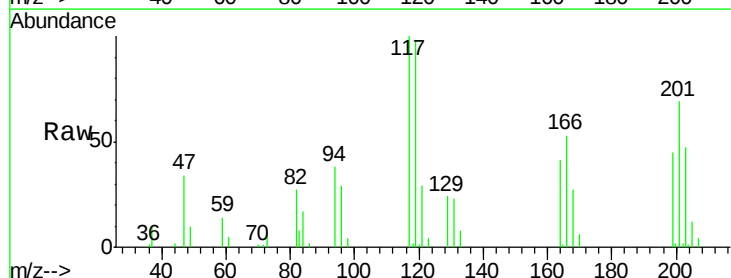
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#90
Hexachloroethane
Concen: 20.229 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.1	34.6	103.8





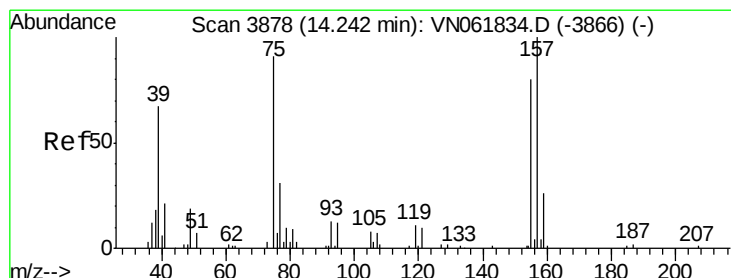
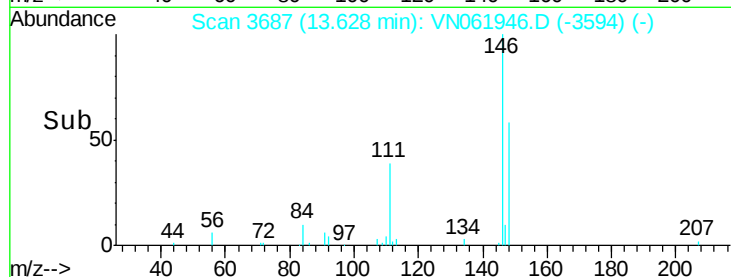
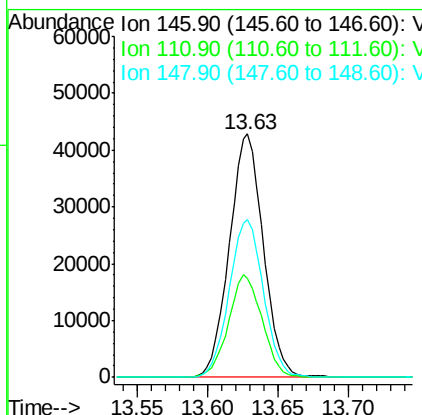
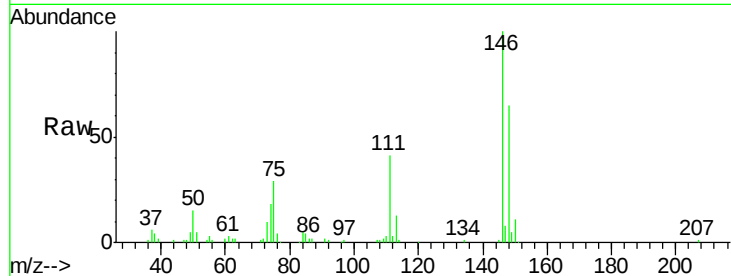
#91
 1,2-Dichlorobenzene
 Concen: 19.556 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	65.4	31.8	95.4

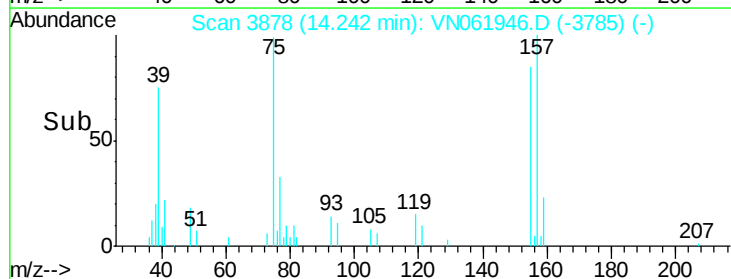
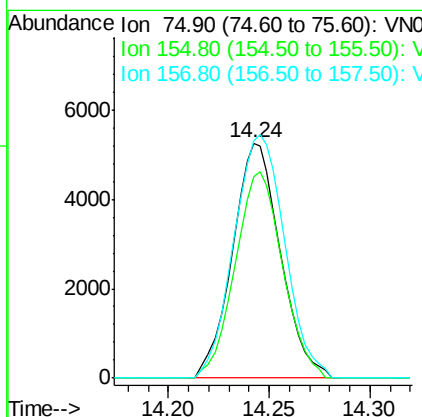
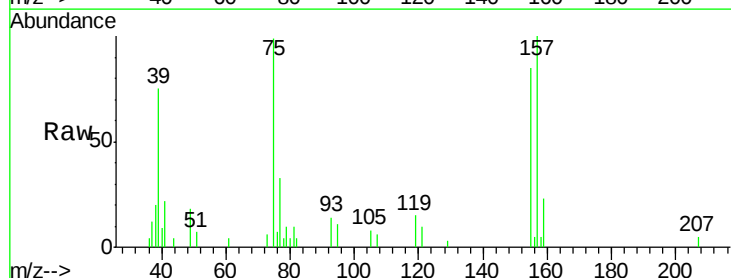
Manual Integrations
 APPROVED

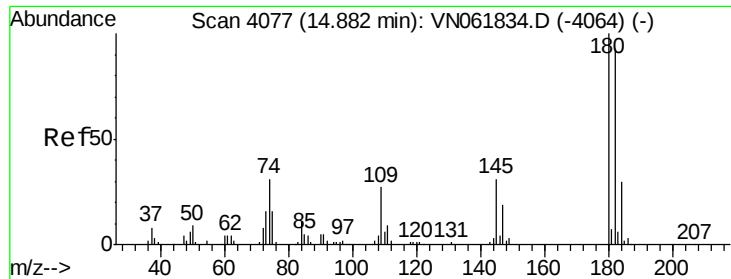
MMDadoda
 6/22/2020 1:25:13 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.822 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061946.D
 Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	44.4	133.2
157	109.9	57.0	171.2





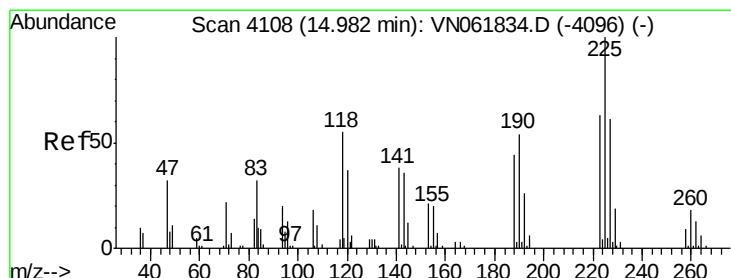
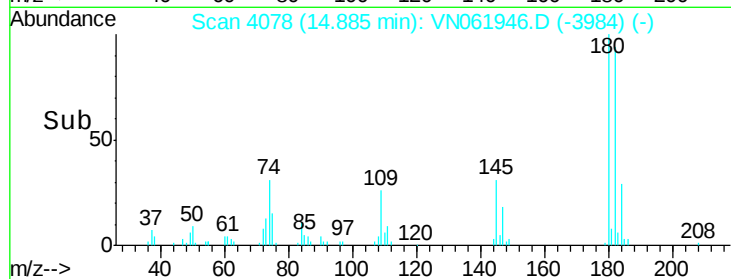
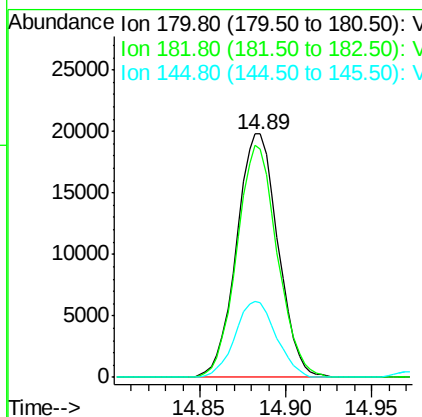
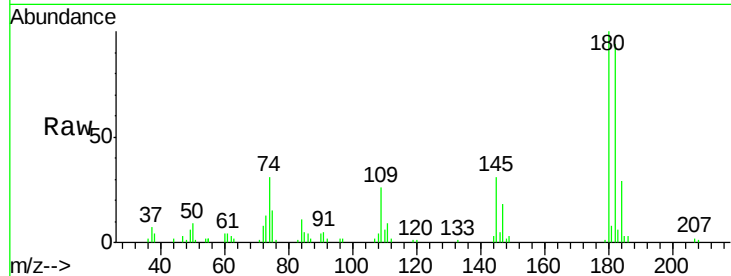
#93
1,2,4-Trichlorobenzene
Concen: 19.034 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.2
145	31.1	15.8	47.3

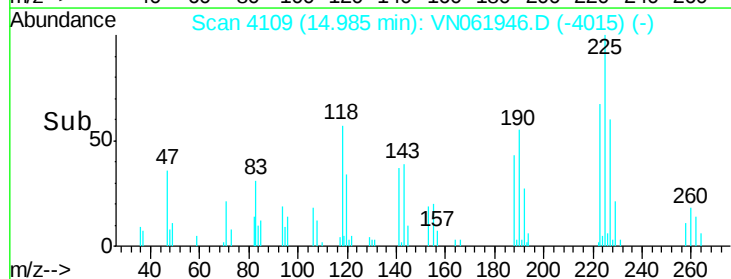
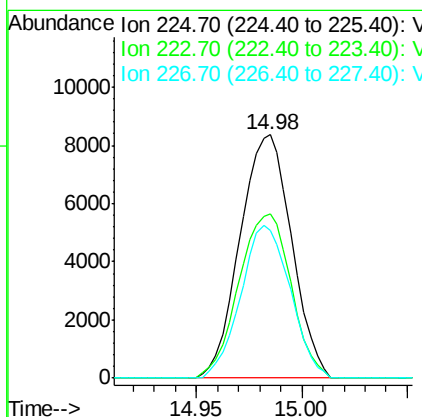
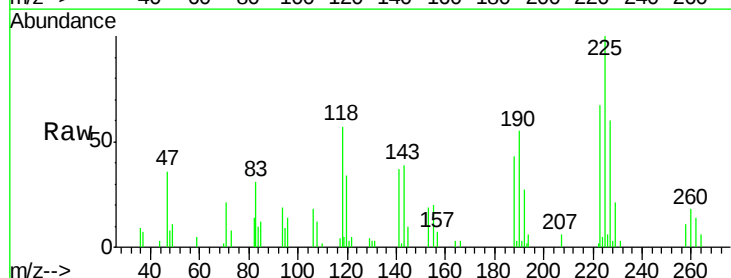
Manual Integrations
APPROVED

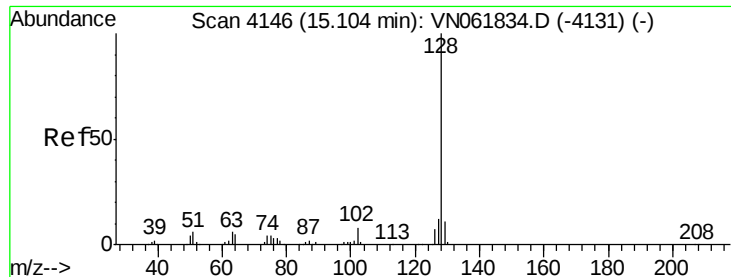
MMDadoda
6/22/2020 1:25:13 PM



#94
Hexachlorobutadiene
Concen: 20.732 ug/l
RT: 14.98 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.3	31.7	95.1
227	60.3	30.1	90.3





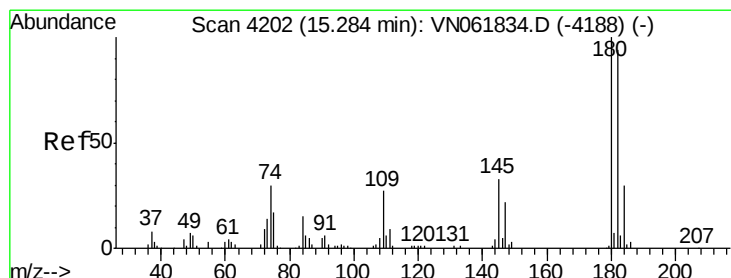
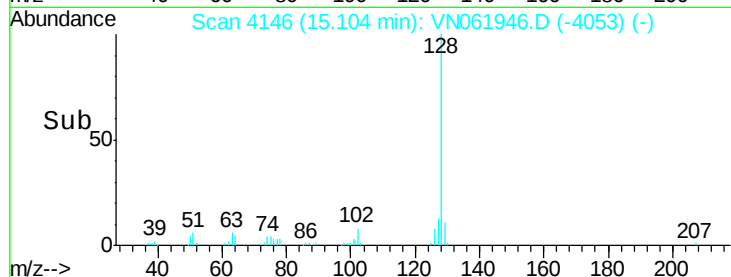
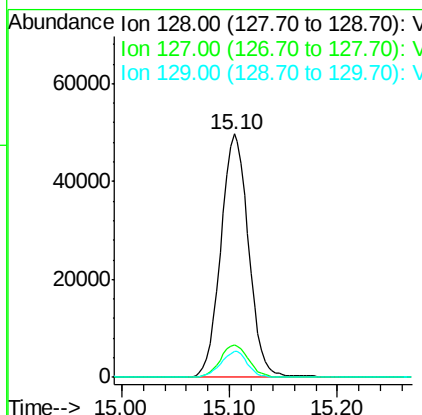
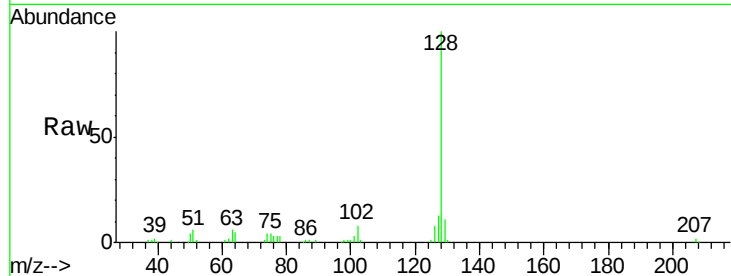
#95
Naphthalene
Concen: 17.692 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/22/2020 1:25:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.786 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061946.D
Acq: 19 Jun 2020 12:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.9	143.6
145	33.7	16.5	49.5

