

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061971.D
 Acq On : 20 Jun 2020 2:51
 Operator : JC/MD
 Sample : VN0619WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 10:30:08 AM

Quant Time: Jun 22 02:51:57 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	130046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	249502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	232745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	106311	60.95	ug/l	0.00
Spiked Amount			Recovery	=	121.90%	
35) Dibromofluoromethane	7.54	113	86614	54.26	ug/l	0.00
Spiked Amount			Recovery	=	108.52%	
50) Toluene-d8	10.06	98	314711	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.37	95	105006	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	28991	17.325	ug/l	98
3) Chloromethane	2.03	50	38875	21.536	ug/l	99
4) Vinyl Chloride	2.16	62	44142	20.513	ug/l	99
5) Bromomethane	2.53	94	34151	20.666	ug/l	98
6) Chloroethane	2.67	64	30742	21.108	ug/l	99
7) Trichlorofluoromethane	2.98	101	50370	19.596	ug/l	94
8) Diethyl Ether	3.37	74	21525	24.909	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	24658	18.699	ug/l	98
10) Methyl Iodide	3.91	142	33469	24.111	ug/l	99
11) Tert butyl alcohol	4.72	59	27167	112.563	ug/l #	91
12) 1,1-Dichloroethene	3.70	96	26658	20.175	ug/l	97
13) Acrolein	3.56	56	11491	79.661	ug/l	99
14) Allyl chloride	4.27	41	38364	21.876	ug/l	98
15) Acrylonitrile	4.92	53	75748	126.664	ug/l	99
16) Acetone	3.77	43	58458	113.471	ug/l	98
17) Carbon Disulfide	4.00	76	73790	19.086	ug/l	100
18) Methyl Acetate	4.27	43	36713	24.752	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	108258	24.607	ug/l	98
20) Methylene Chloride	4.50	84	38003	22.642	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	32365	21.325	ug/l	98
22) Diisopropyl ether	5.89	45	96857	24.149	ug/l	93
23) Vinyl Acetate	5.84	43	381750	121.018	ug/l	99
24) 1,1-Dichloroethane	5.79	63	59994	22.850	ug/l	100
25) 2-Butanone	6.78	43	91128	121.238	ug/l	98
26) 2,2-Dichloropropane	6.77	77	36172	16.375	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	40464	23.107	ug/l	98
28) Bromochloromethane	7.14	49	25876	22.135	ug/l	95
29) Tetrahydrofuran	7.16	42	58699	118.664	ug/l	99
30) Chloroform	7.32	83	62957	22.437	ug/l	99
31) Cyclohexane	7.61	56	39999	17.403	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	47815	20.009	ug/l	98
36) 1,1-Dichloropropene	7.74	75	40014	17.583	ug/l	99
37) Ethyl Acetate	6.88	43	39446	22.197	ug/l	99
38) Carbon Tetrachloride	7.73	117	39025	17.317	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	37809	15.429	ug/l	98
40) Benzene	8.00	78	139582	20.248	ug/l	99
41) Methacrylonitrile	7.13	41	19680	25.897	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	51096	21.738	ug/l	99
43) Isopropyl Acetate	8.12	43	66751	22.288	ug/l	99
44) Trichloroethene	8.80	130	34621	19.083	ug/l	99
45) 1,2-Dichloropropane	9.08	63	37027	21.856	ug/l	98
46) Dibromomethane	9.17	93	26148	21.918	ug/l	96
47) Bromodichloromethane	9.36	83	51483	21.075	ug/l	100
48) Methyl methacrylate	9.17	41	29409	21.593	ug/l	99
49) 1,4-Dioxane	9.17	88	13734	439.220	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	195980	110.737	ug/l	99
52) Toluene	10.12	92	88085	20.345	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	53209	20.518	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	57829	20.531	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	38285	22.475	ug/l	97
56) Ethyl methacrylate	10.40	69	51067	21.390	ug/l	100
57) 1,3-Dichloropropane	10.68	76	64453	22.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	93026	103.476	ug/l	100
59) 2-Hexanone	10.72	43	135827	104.321	ug/l	98
60) Dibromochloromethane	10.87	129	40138	21.117	ug/l	100
61) 1,2-Dibromoethane	10.98	107	38292	21.528	ug/l	100
64) Tetrachloroethene	10.60	164	26656	17.969	ug/l	95
65) Chlorobenzene	11.40	112	94257	19.193	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	35650	20.814	ug/l	99
67) Ethyl Benzene	11.48	91	153471	18.638	ug/l	99
68) m/p-Xylenes	11.59	106	118293	37.256	ug/l	100
69) o-Xylene	11.92	106	57692	19.043	ug/l	97
70) Styrene	11.94	104	98447	19.408	ug/l	100
71) Bromoform	12.10	173	26012	20.828	ug/l #	99
73) Isopropylbenzene	12.22	105	141925	19.137	ug/l	100
74) N-amyl acetate	12.04	43	52860	21.540	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	53506	22.191	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	42657m	20.819	ug/l	
77) Bromobenzene	12.50	156	39279	20.994	ug/l	98
78) n-propylbenzene	12.56	91	156267	18.467	ug/l	100
79) 2-Chlorotoluene	12.65	91	99792	19.635	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	118375	19.293	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	14904	19.840	ug/l	98
82) 4-Chlorotoluene	12.75	91	100394	19.117	ug/l	100
83) tert-Butylbenzene	12.97	119	96612	18.574	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	118427	19.553	ug/l	99
85) sec-Butylbenzene	13.15	105	122653	18.015	ug/l	100
86) p-Isopropyltoluene	13.26	119	111876	18.441	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	64700	18.960	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	66440	19.021	ug/l	99
89) n-Butylbenzene	13.59	91	85620	16.899	ug/l	99
90) Hexachloroethane	13.85	117	21190	19.081	ug/l	95
91) 1,2-Dichlorobenzene	13.62	146	65192	19.844	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	8702	22.231	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	27780	17.920	ug/l	98
94) Hexachlorobutadiene	14.98	225	10782	17.659	ug/l	97
95) Naphthalene	15.10	128	88223	19.294	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	29932	19.496	ug/l	95

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

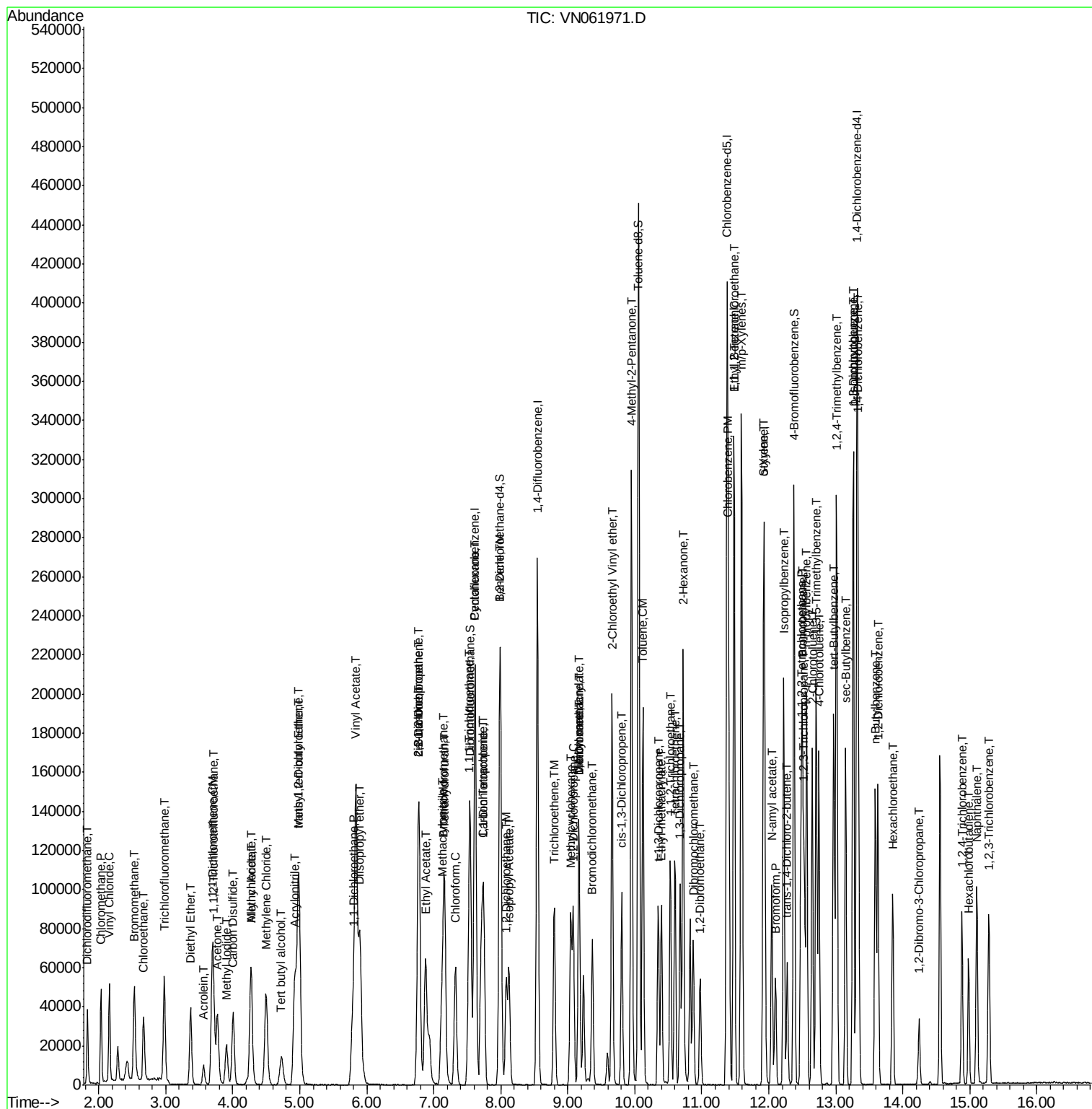
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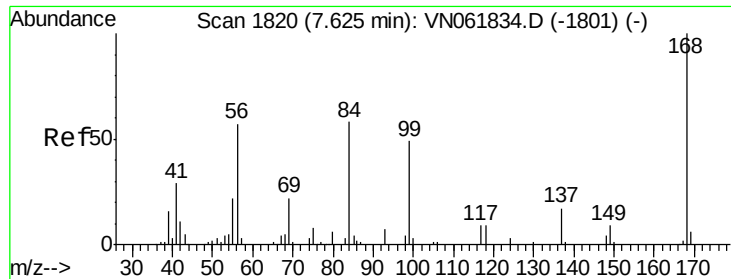
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS02

Tot Ion:168 Resp: 130046

Ion Ratio Lower Upper

168 100

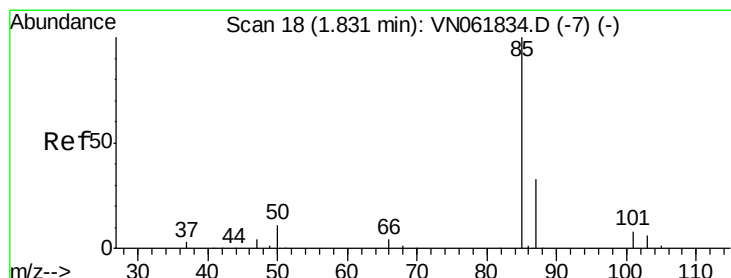
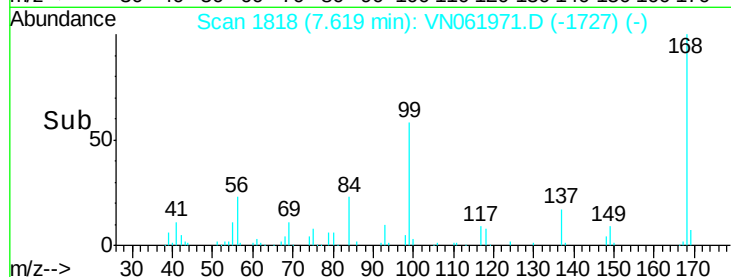
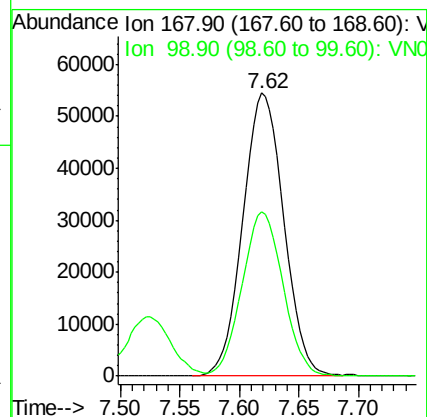
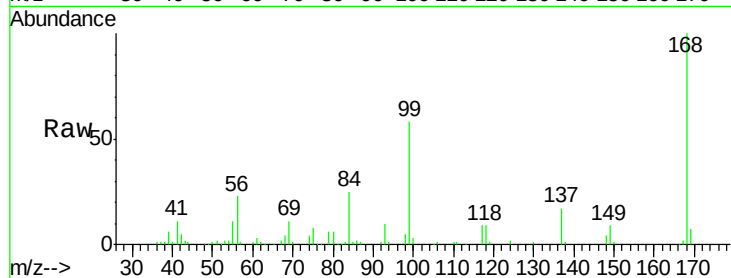
99 57.8 44.6 67.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.325 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061971.D

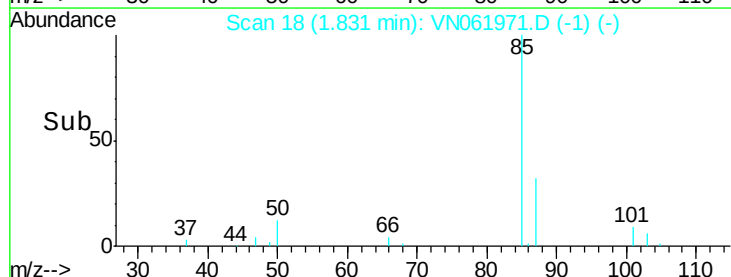
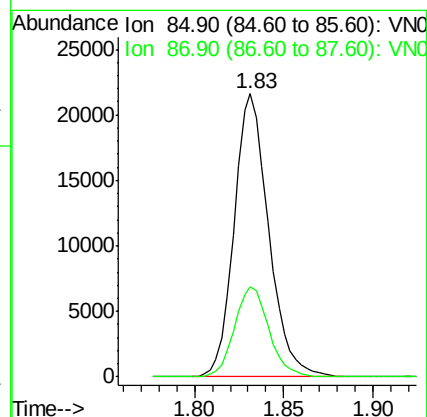
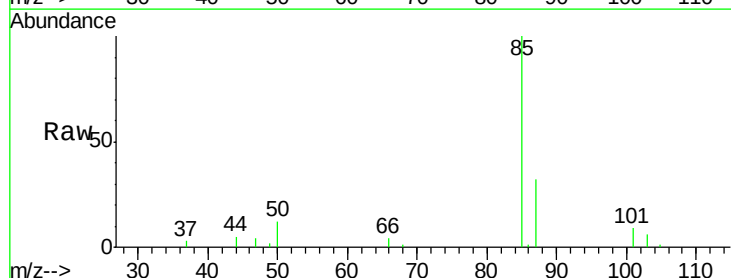
Acq: 20 Jun 2020 2:51

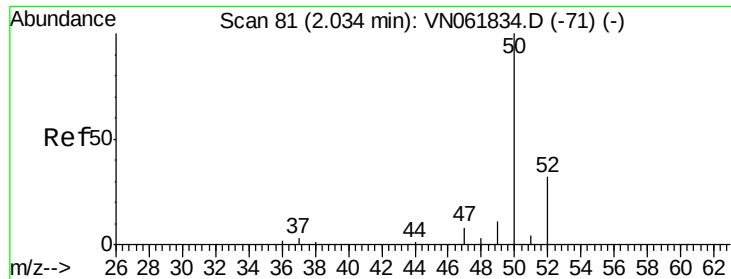
Tgt Ion: 85 Resp: 28991

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.8





#3

Chloromethane

Concen: 21.536 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS02

Tot Ion: 50 Resp: 38875

Ion Ratio Lower Upper

50 100

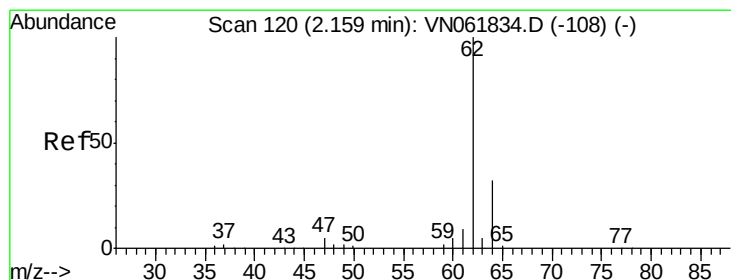
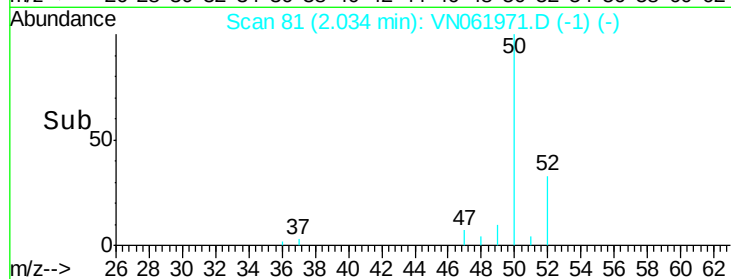
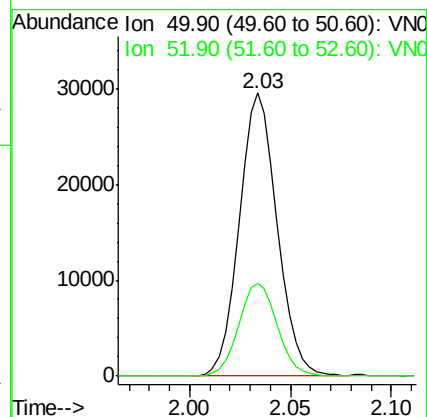
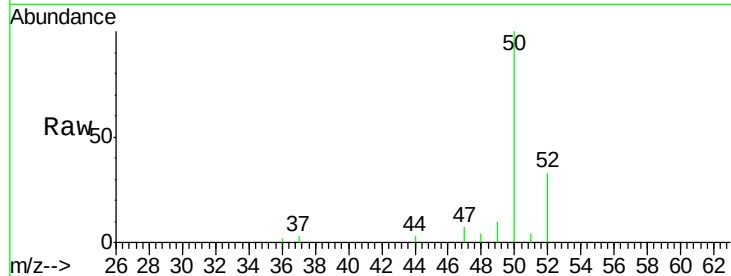
52 32.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.513 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061971.D

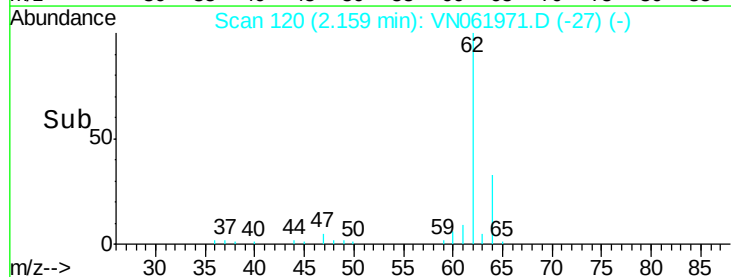
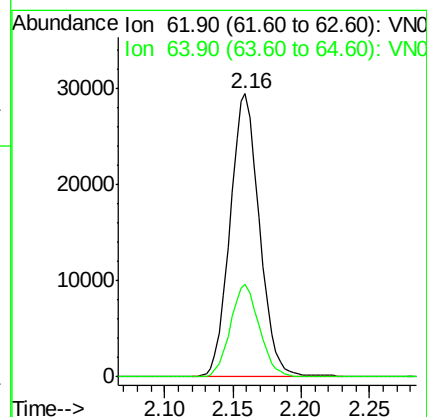
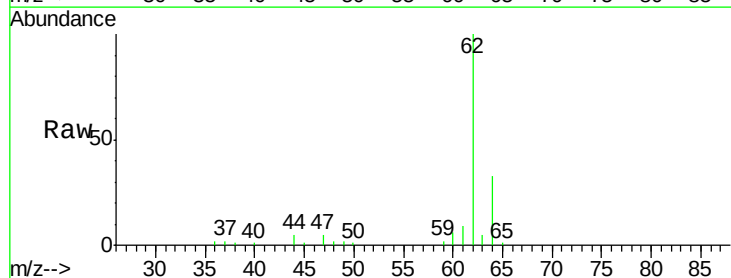
Acq: 20 Jun 2020 2:51

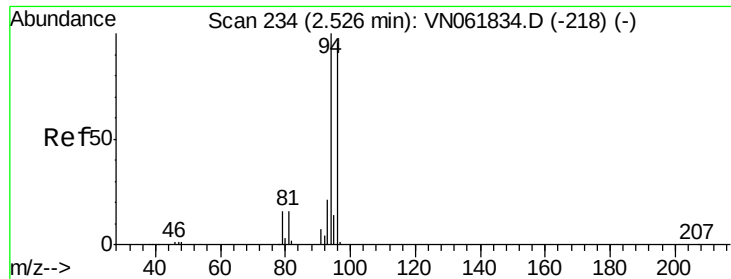
Tgt Ion: 62 Resp: 44142

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 20.666 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS02

Tot Ion: 94 Resp: 34151

Ion Ratio Lower Upper

94 100

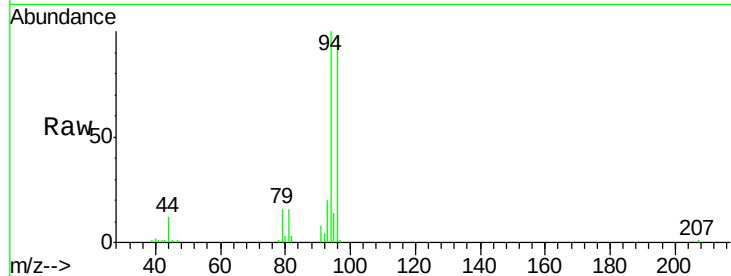
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Manual Integrations

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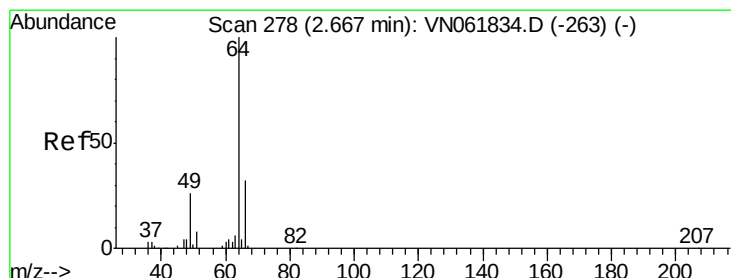
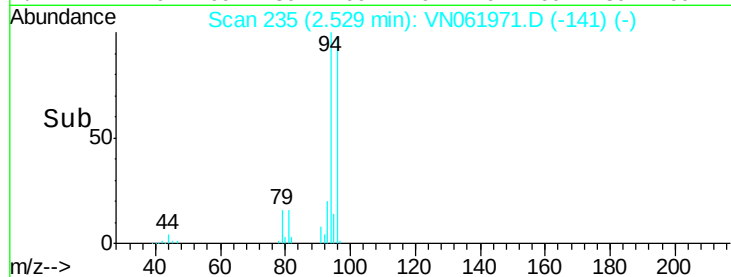
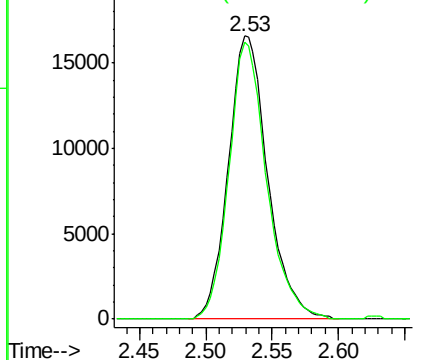
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.108 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061971.D

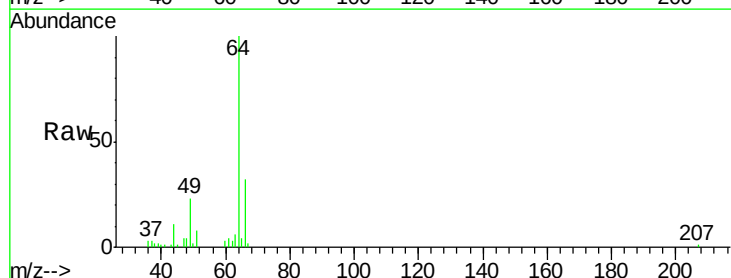
Acq: 20 Jun 2020 2:51

Tgt Ion: 64 Resp: 30742

Ion Ratio Lower Upper

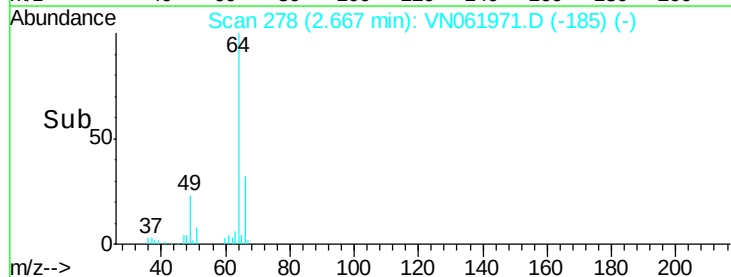
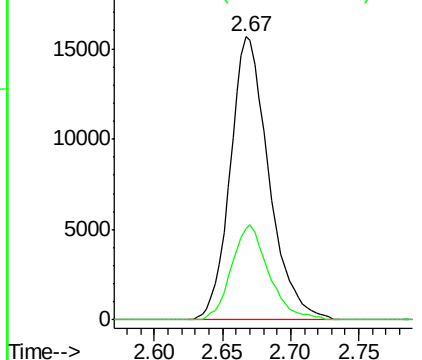
64 100

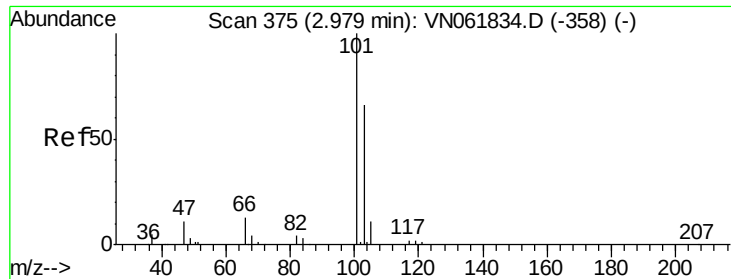
66 32.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

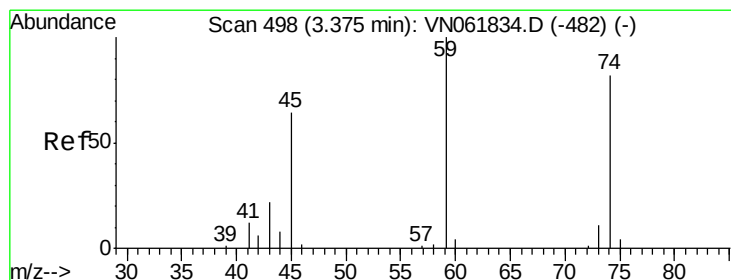
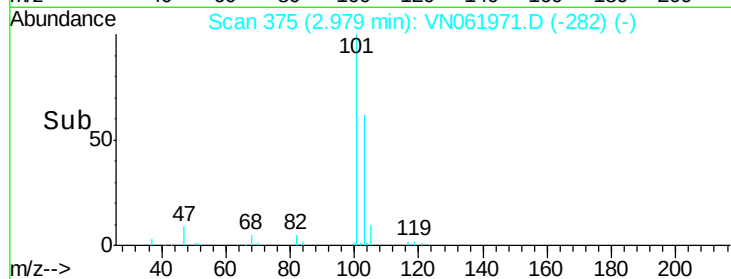
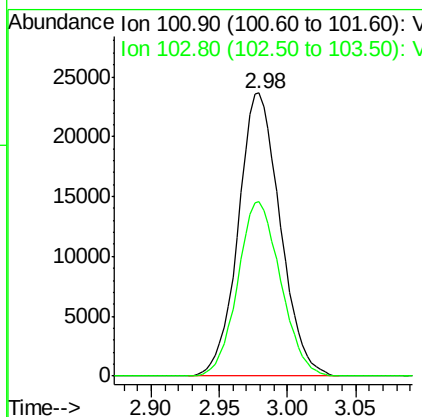
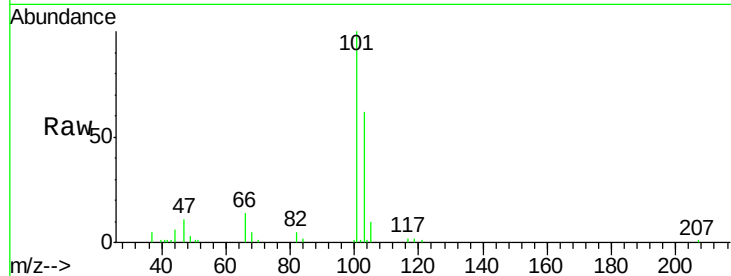
Trichlorofluoromethane
 Concen: 19.596 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	52.8	79.2

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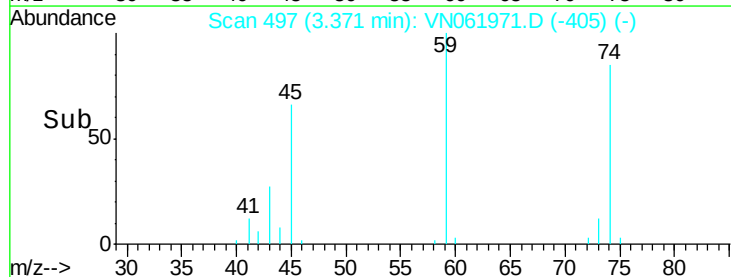
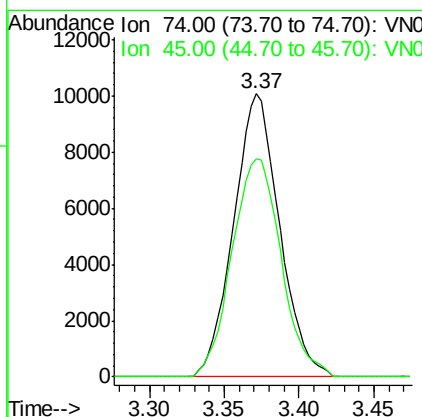
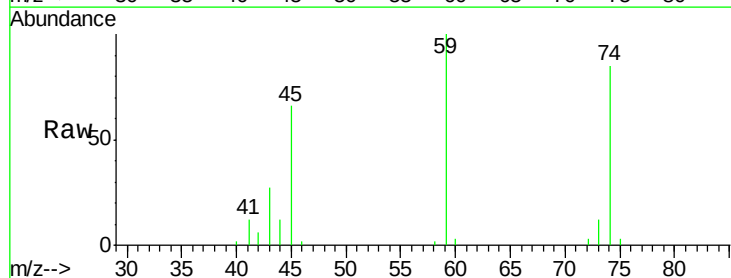
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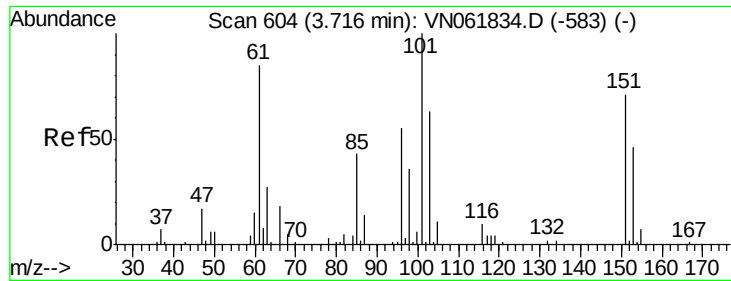


#8

Diethyl Ether
 Concen: 24.909 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.6	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.699 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

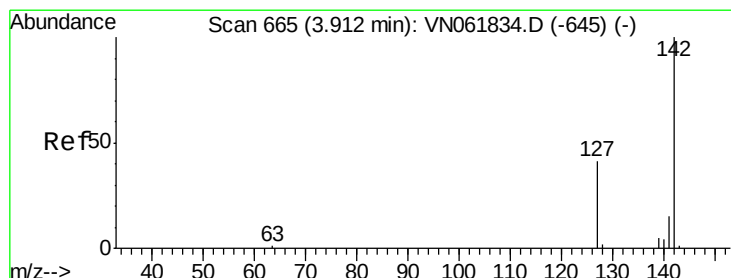
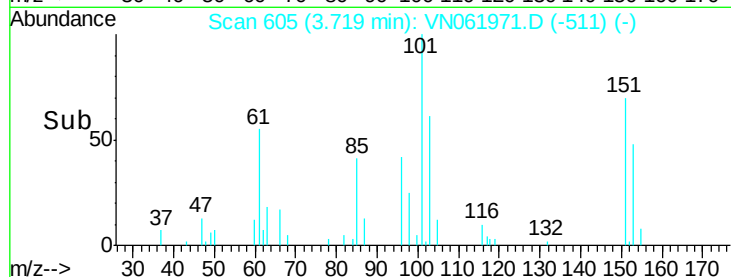
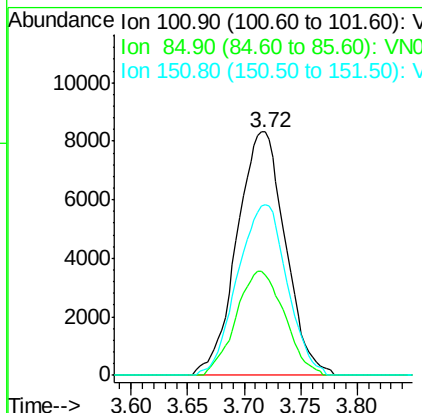
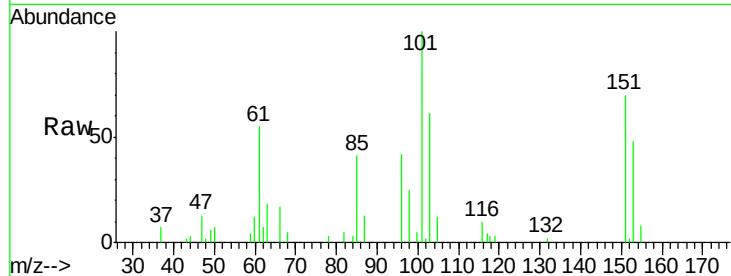
ClientSampled :

VN0619WBS02

Tot Ion:	101	Resp:	24658
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.0	52.6
151	71.9	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 24.111 ug/l

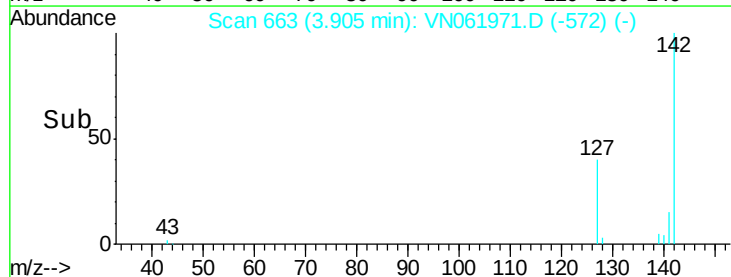
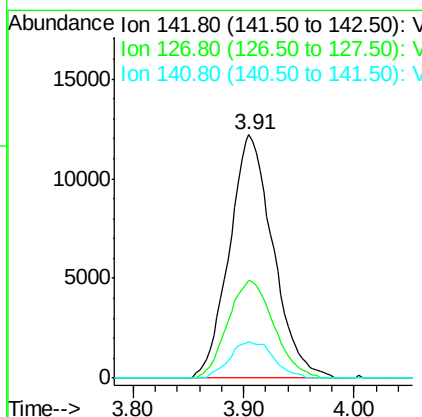
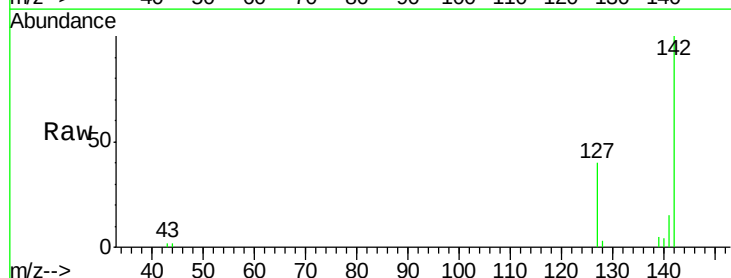
RT: 3.91 min Scan# 663

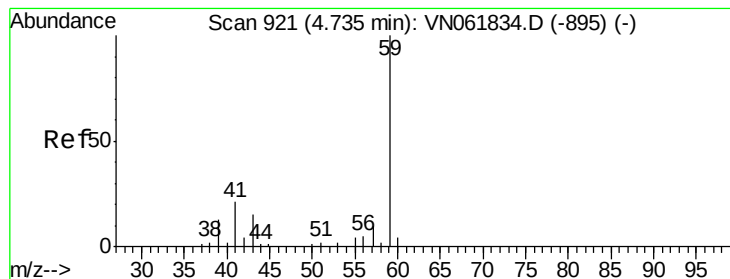
Delta R.T. -0.01 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Tgt Ion:	142	Resp:	33469
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.4	50.0
141	15.1	11.3	16.9





#11

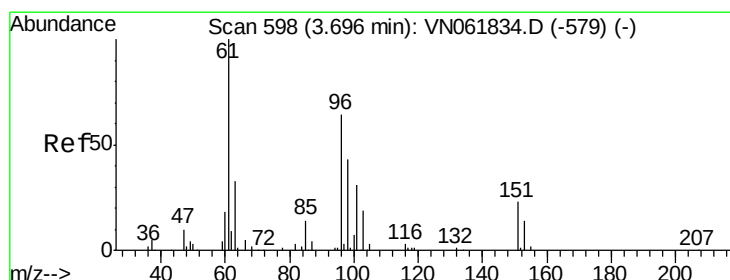
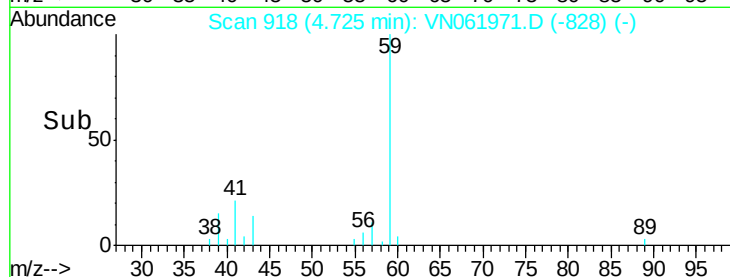
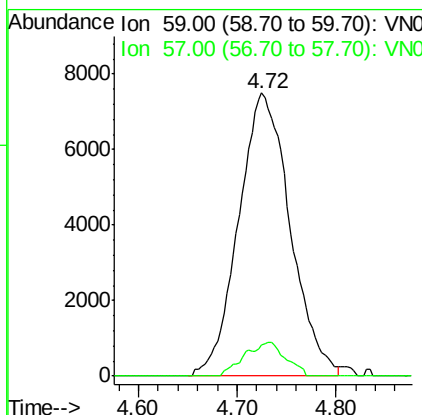
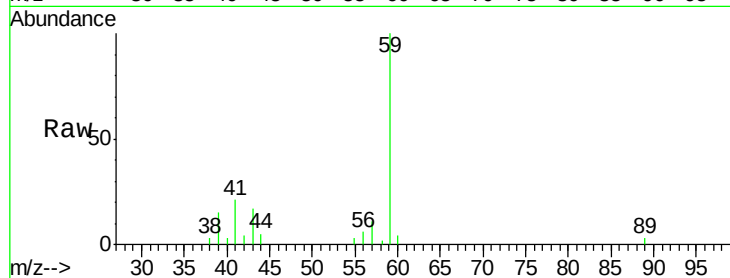
Tert butyl alcohol
 Concen: 112.563 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0619WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	7.7	11.5#

Manual Integrations
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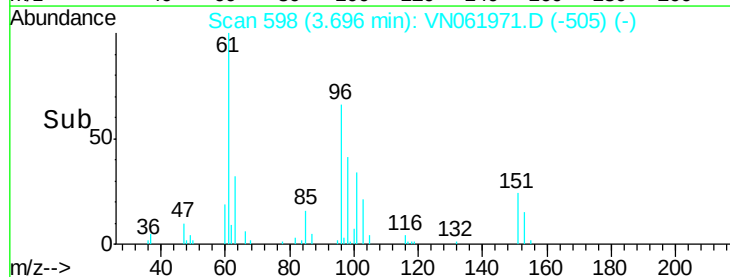
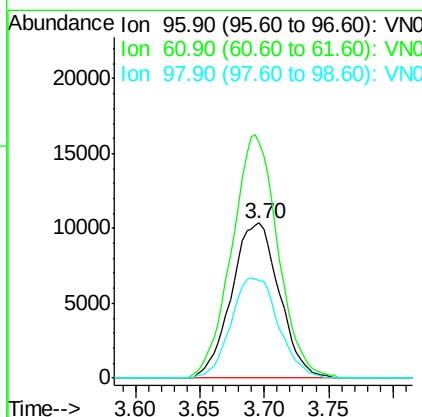
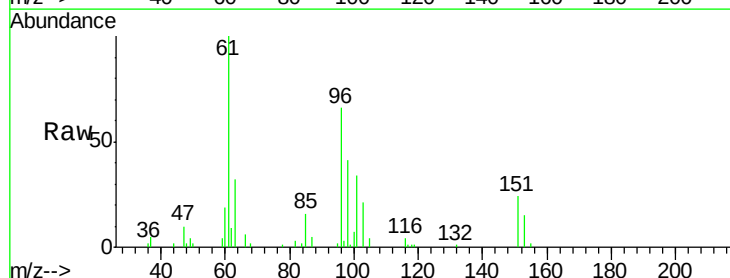
MMDadoda
 6/22/2020 10:30:08 AM

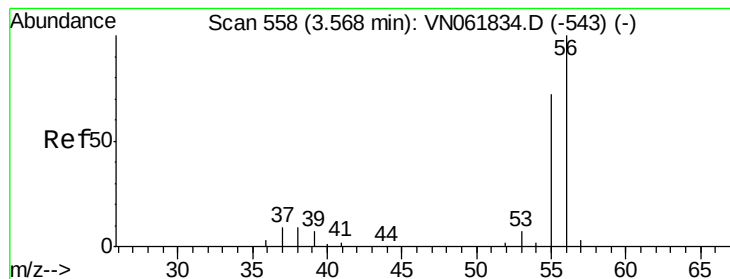


#12

1,1-Dichloroethene
 Concen: 20.175 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.4	124.3	186.5
98	62.9	53.1	79.7





#13

Acrolein

Concen: 79.661 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS02

Tot Ion: 56 Resp: 11491

Ion Ratio Lower Upper

56 100

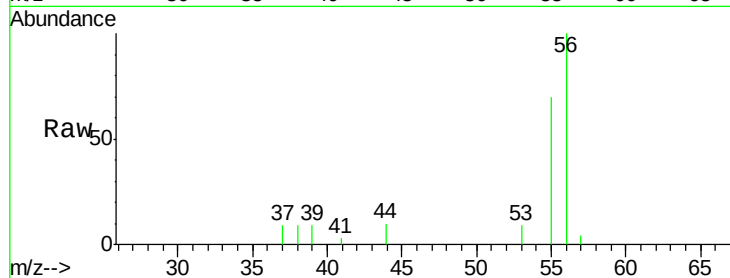
55 71.0 56.2 84.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN061834.D (-543) (-)

3.56

5000

4000

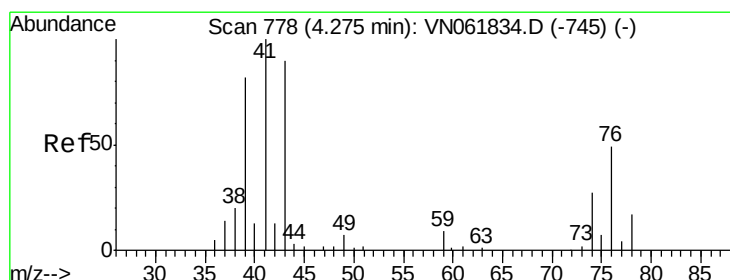
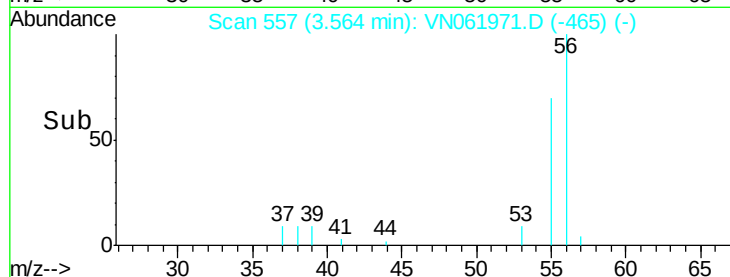
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 21.876 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

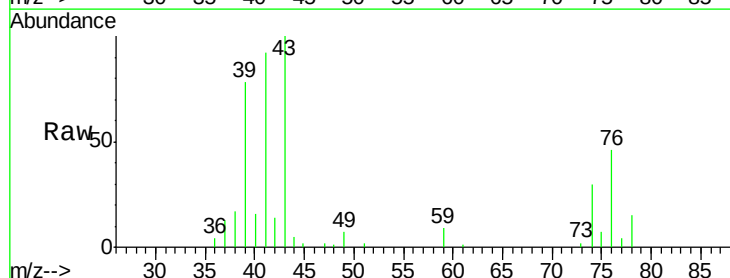
Tgt Ion: 41 Resp: 38364

Ion Ratio Lower Upper

41 100

39 76.7 60.2 90.2

76 44.2 36.3 54.5



Abundance Ion 41.00 (40.70 to 41.70): VN061834.D (-745) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-745) (-)

Ion 75.90 (75.60 to 76.60): VN061834.D (-745) (-)

4.27

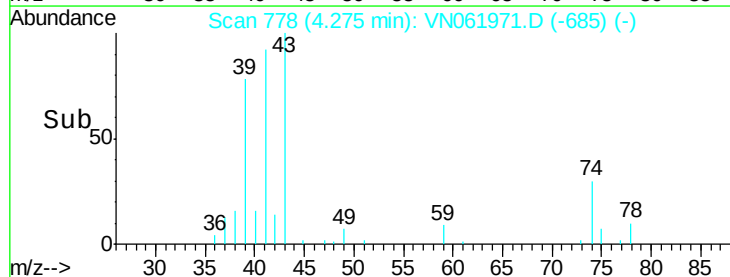
15000

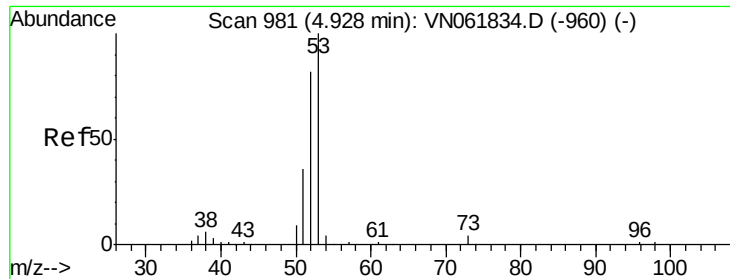
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 126.664 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

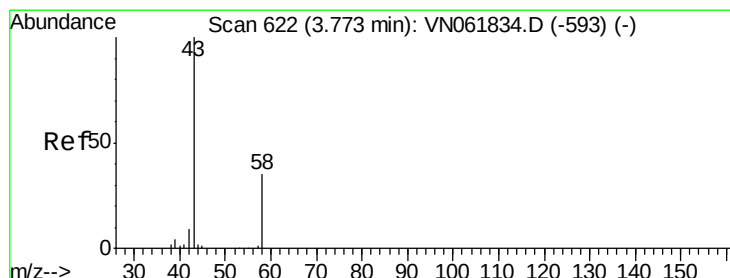
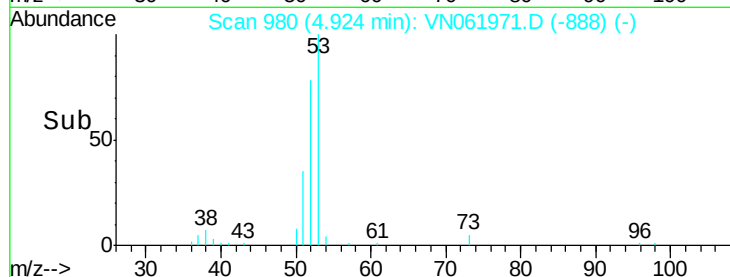
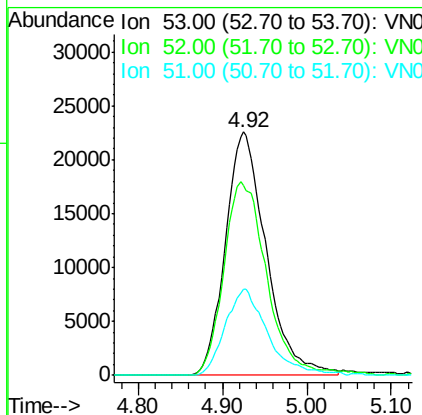
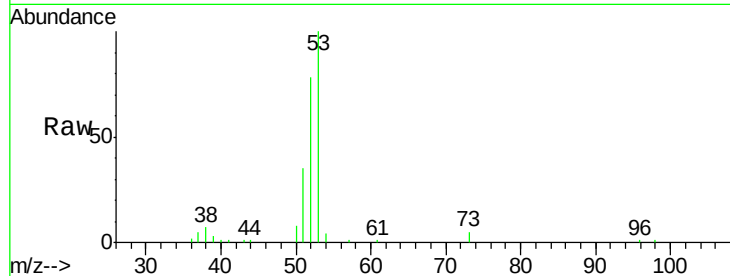
ClientSampleId :

VN0619WBS02

Tot Ion:	53	Resp:	75748
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.2	97.8
51	37.1	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 113.471 ug/l

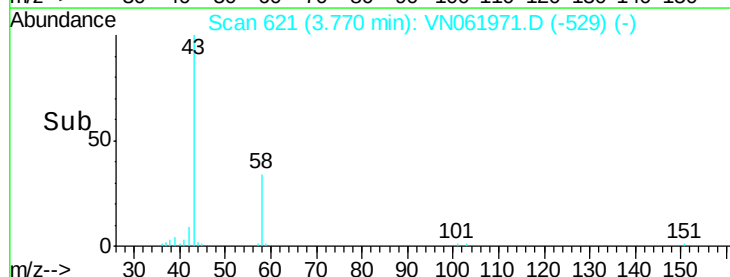
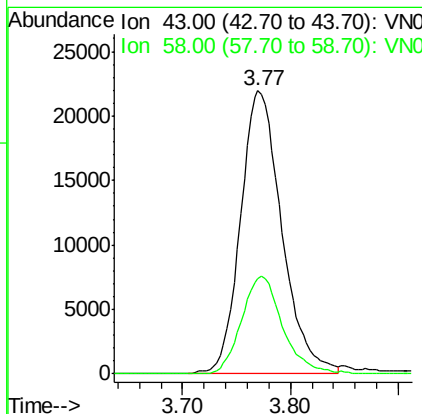
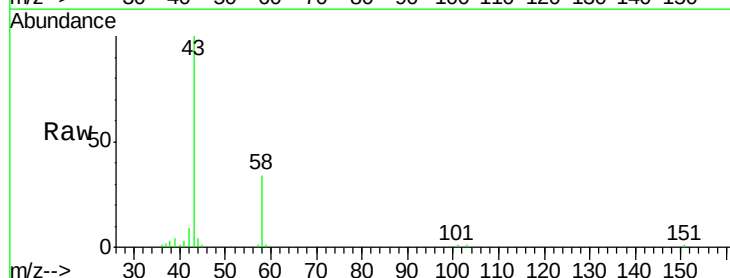
RT: 3.77 min Scan# 621

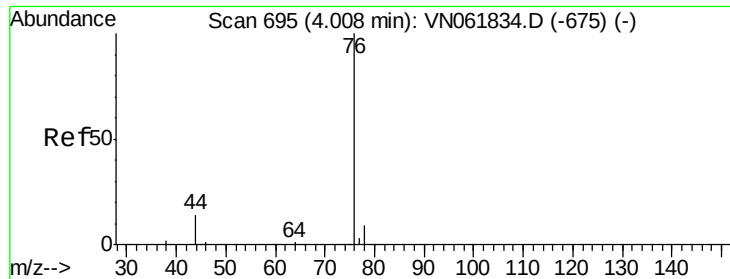
Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Tgt Ion:	43	Resp:	58458
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.8	41.8





#17

Carbon Disulfide

Concen: 19.086 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS02

Tot Ion: 76 Resp: 73790

Ion Ratio Lower Upper

76 100

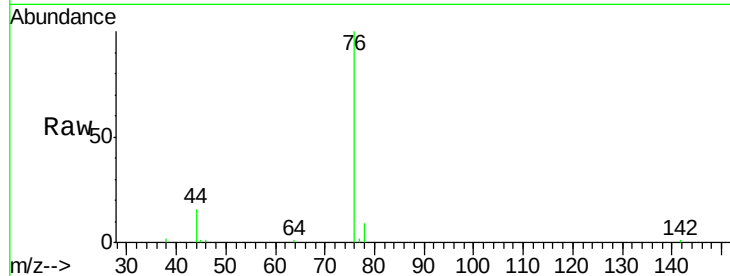
78 9.2 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN061834.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061971.D (-602) (-)

30000

25000

20000

15000

10000

5000

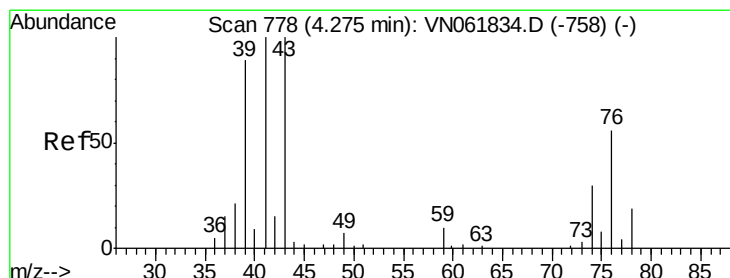
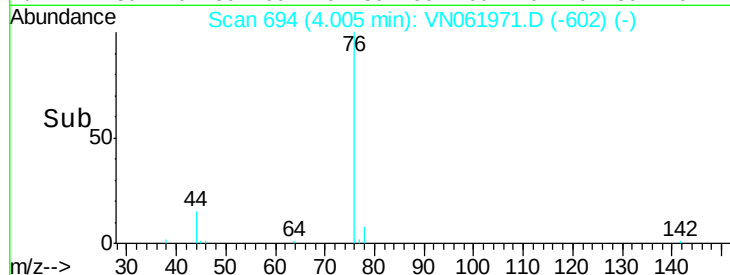
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 24.752 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061971.D

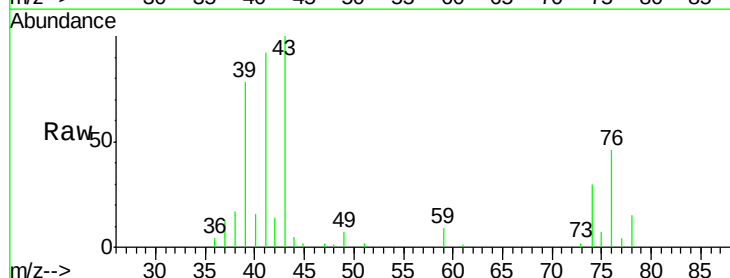
Acq: 20 Jun 2020 2:51

Tgt Ion: 43 Resp: 36713

Ion Ratio Lower Upper

43 100

74 28.1 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061971.D (-685) (-)

15000

10000

5000

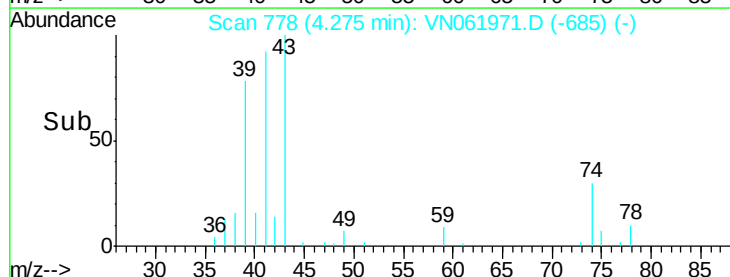
0

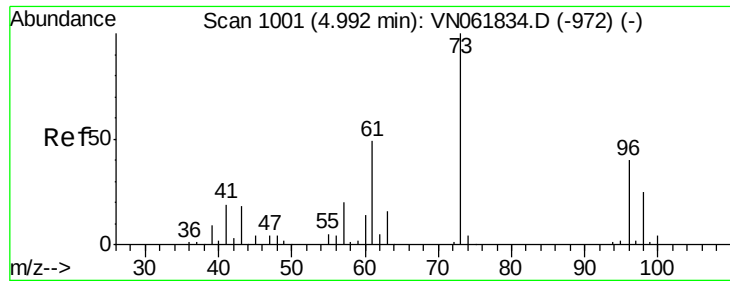
Time-->

4.20

4.27

4.40





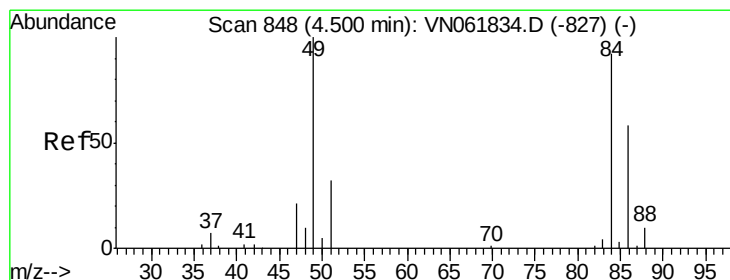
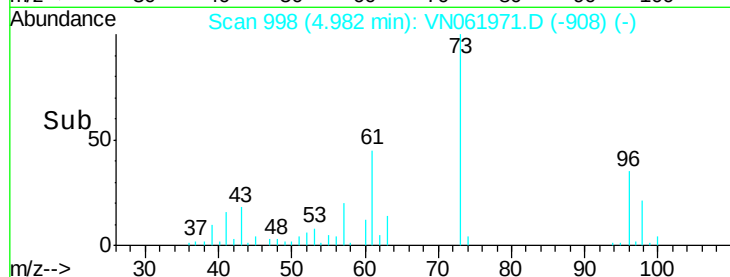
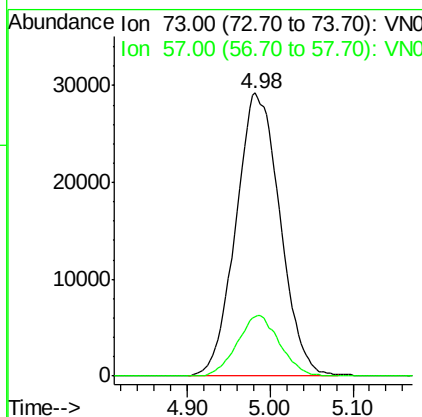
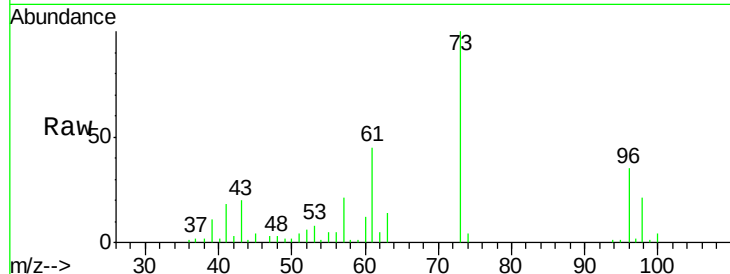
#19
Methyl tert-butyl Ether
Concen: 24.607 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS02

Tot Ion: 73 Resp: 108258
Ion Ratio Lower Upper
73 100
57 21.0 16.2 24.4

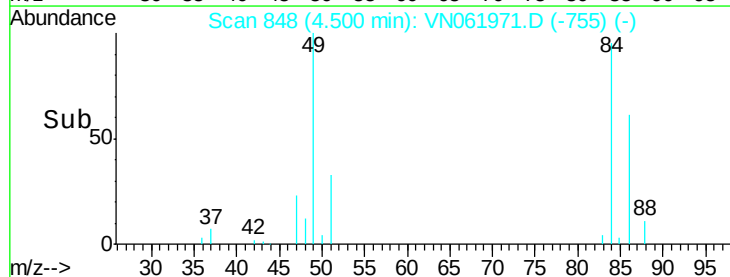
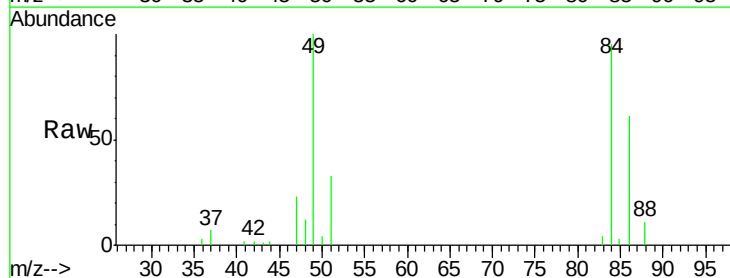
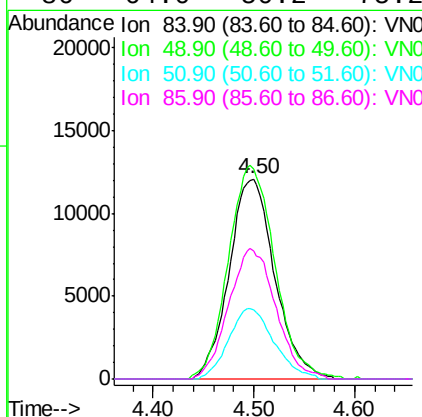
Manual Integrations
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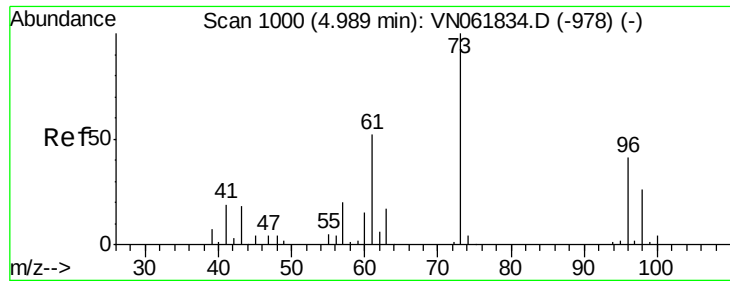
MMDadoda
6/22/2020 10:30:08 AM



#20
Methylene Chloride
Concen: 22.642 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion: 84 Resp: 38003
Ion Ratio Lower Upper
84 100
49 104.9 87.0 130.4
51 34.9 27.8 41.6
86 64.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.325 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

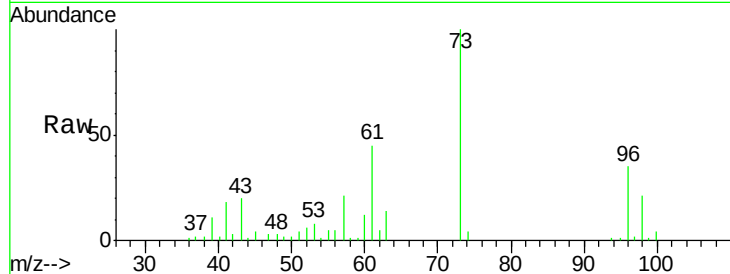
ClientSampled :

VN0619WBS02

Tot Ion:	96	Resp:	32365
Ion	Ratio	Lower	Upper
96	100		
61	127.6	102.2	153.4
98	59.2	51.2	76.8

Manual Integrations
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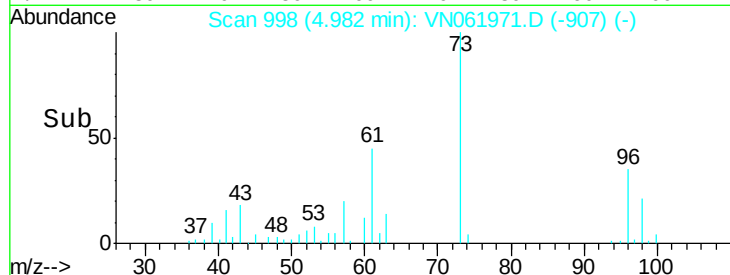


Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-978) (-)

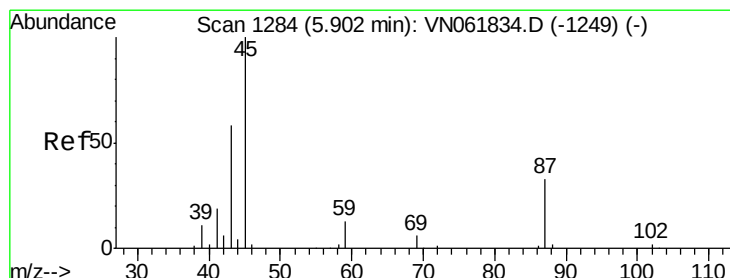
Ion 60.90 (60.60 to 61.60): VN061834.D (-978) (-)

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

Time-->



Time-->



#22

Diisopropyl ether

Concen: 24.149 ug/l

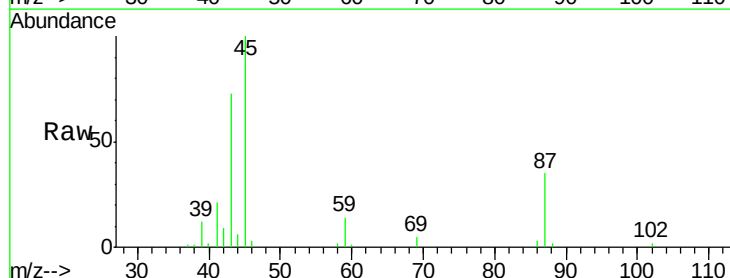
RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Tgt Ion:	45	Resp:	96857
Ion	Ratio	Lower	Upper
45	100		
43	70.9	49.4	74.2
87	34.6	27.4	41.0
59	14.3	10.6	15.8



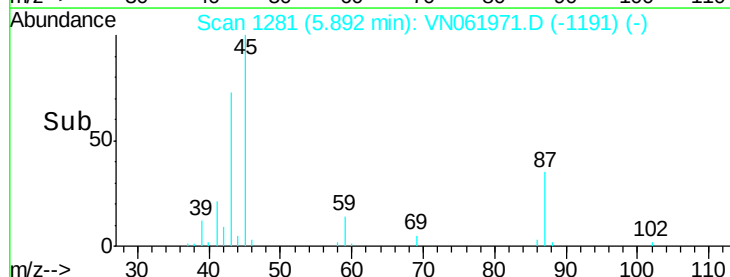
Abundance Ion 45.00 (44.70 to 45.70): VN061834.D (-1249) (-)

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

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

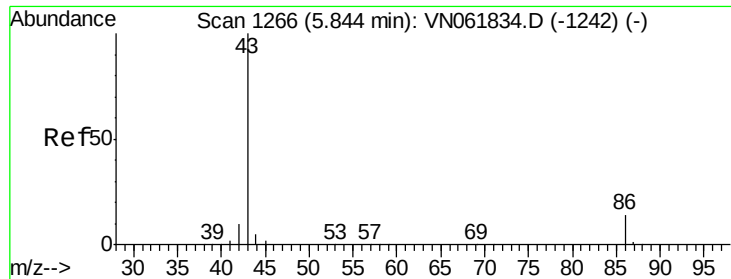
Ion 59.00 (58.70 to 59.70): VN061834.D (-1249) (-)

Time-->



Time-->

Time-->



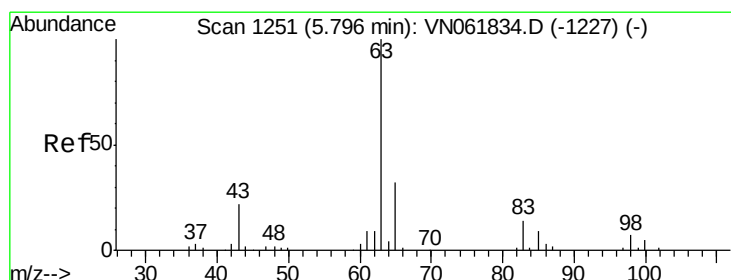
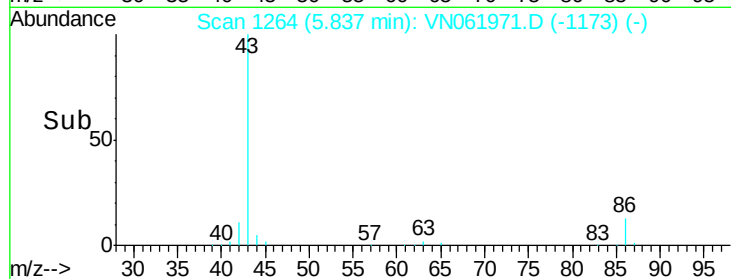
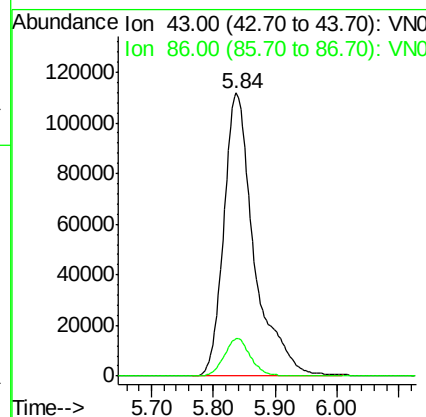
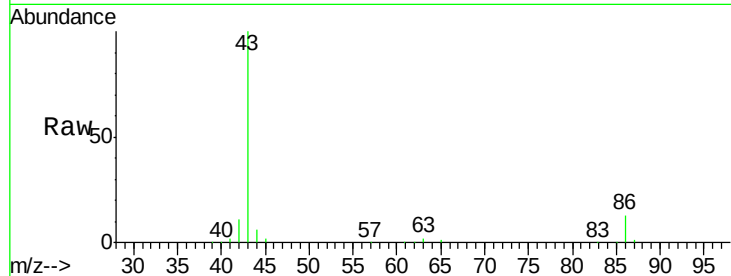
#23
 Vinyl Acetate
 Concen: 121.018 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS02

Tot Ion	43	Resp	381750
Ion Ratio	Lower	Upper	
43	100		
86	13.1	10.9	16.3

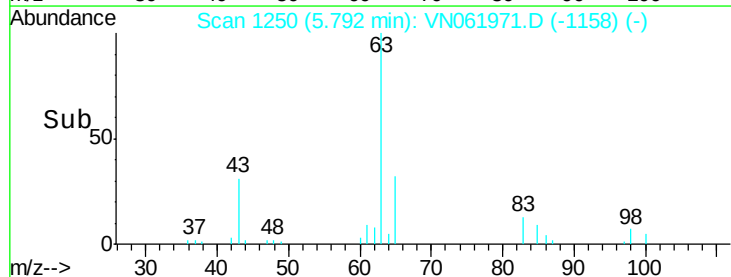
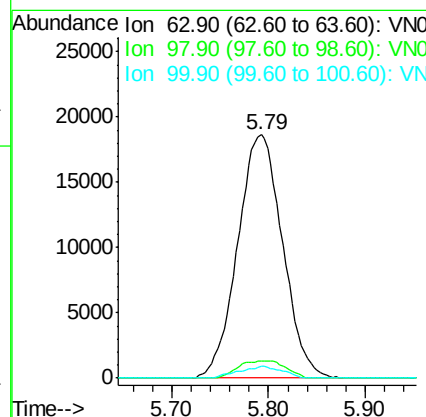
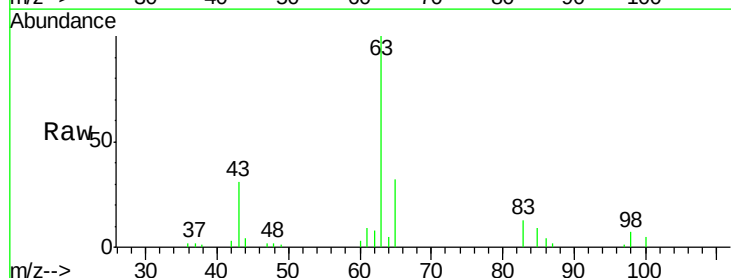
Manual Integrations
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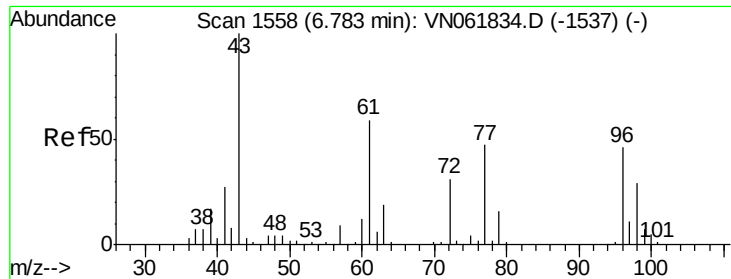
MMDadoda
 6/22/2020 10:30:08 AM



#24
 1,1-Dichloroethane
 Concen: 22.850 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Tgt Ion	63	Resp	59994
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.5	10.4
100	4.8	2.5	7.4





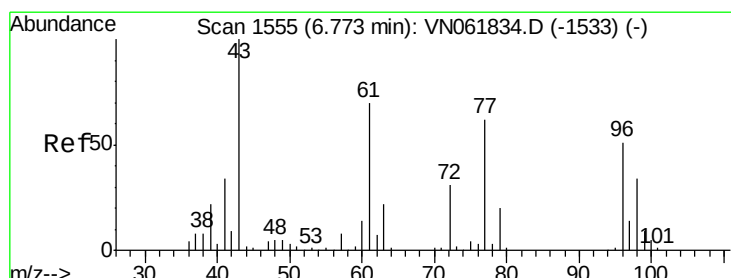
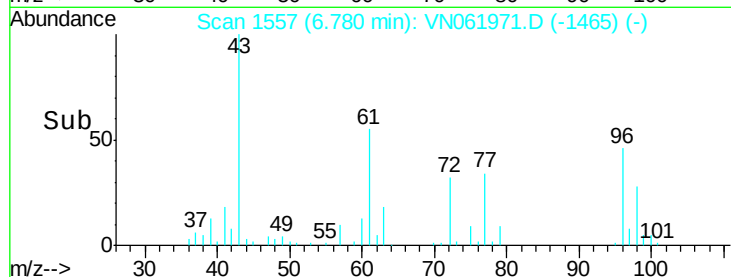
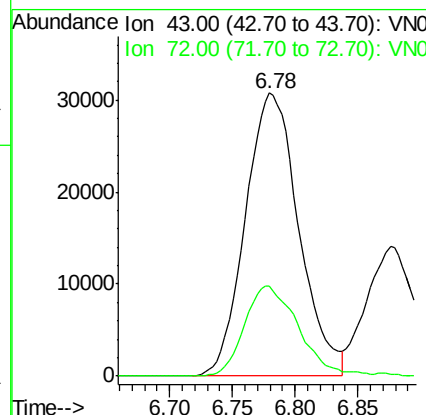
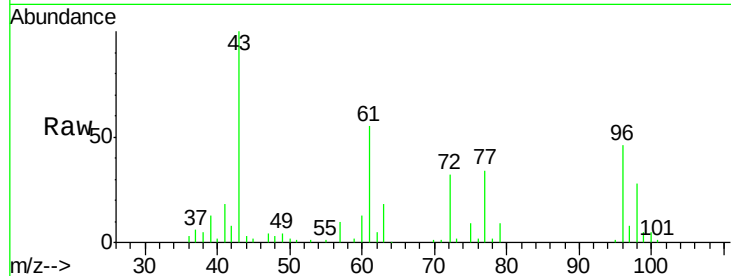
#25
2-Butanone
Concen: 121.238 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion: 43 Resp: 91128
Ion Ratio Lower Upper
43 100
72 31.6 24.6 37.0

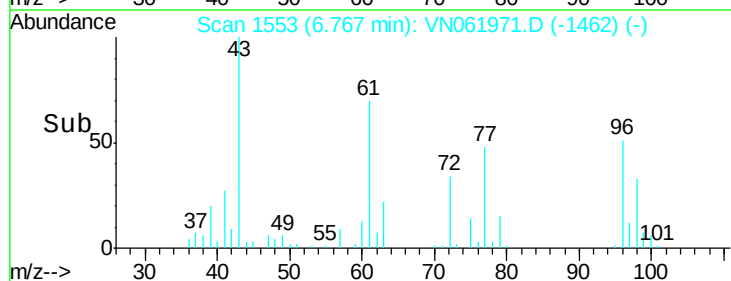
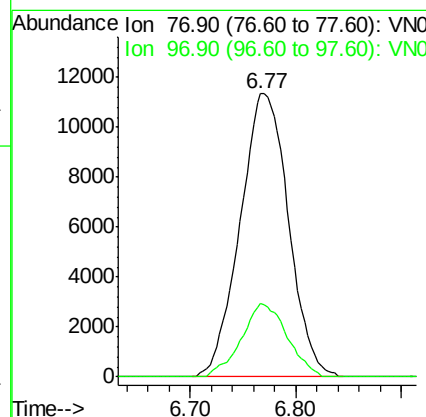
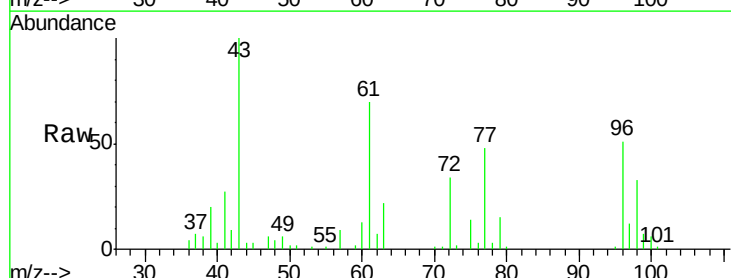
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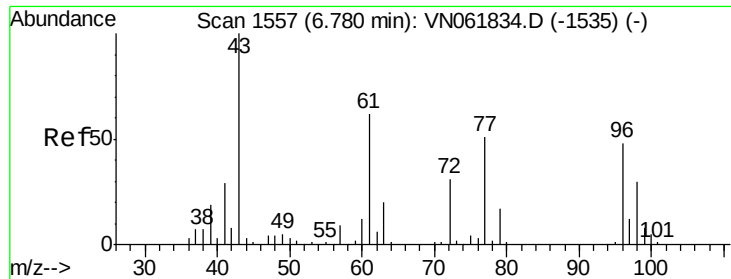
MMDadoda
6/22/2020 10:30:08 AM



#26
2,2-Dichloropropane
Concen: 16.375 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion: 77 Resp: 36172
Ion Ratio Lower Upper
77 100
97 24.5 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 23.107 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

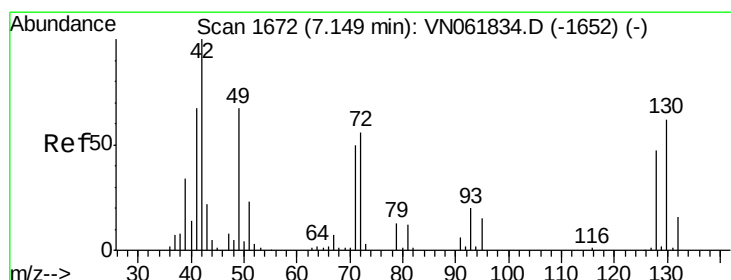
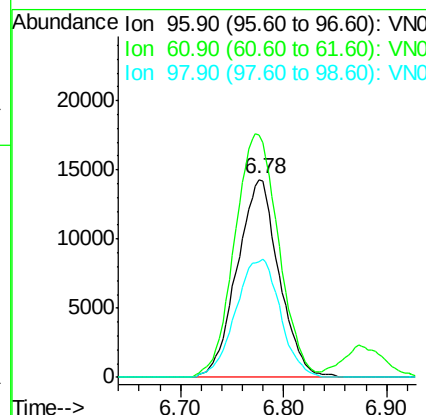
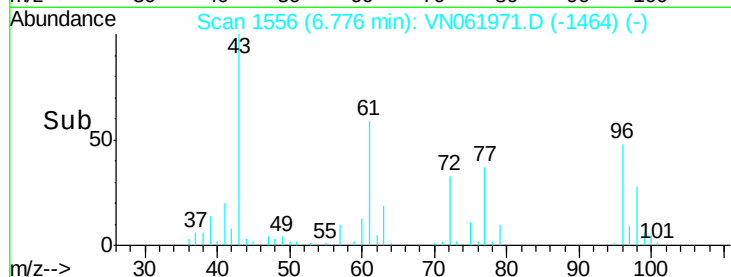
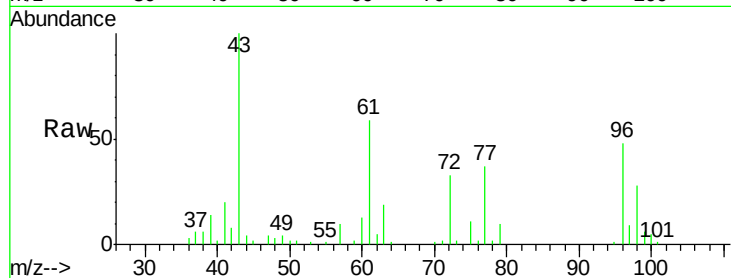
ClientSampled :

VN0619WBS02

Tot Ion:	96	Resp:	40464
Ion	Ratio	Lower	Upper
96	100		
61	129.0	0.0	265.6
98	63.4	0.0	128.2

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#28

Bromochloromethane

Concen: 22.135 ug/l

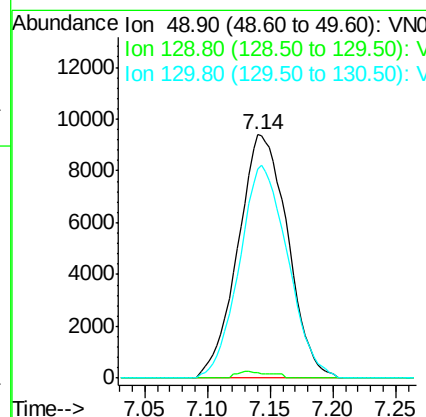
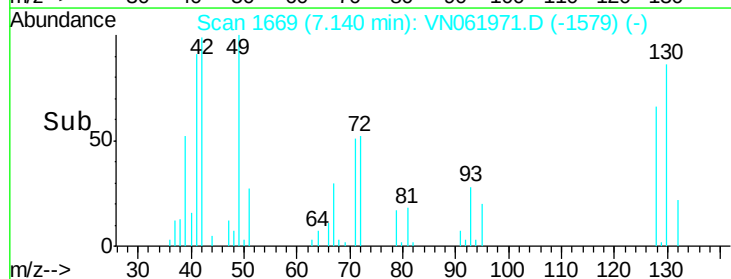
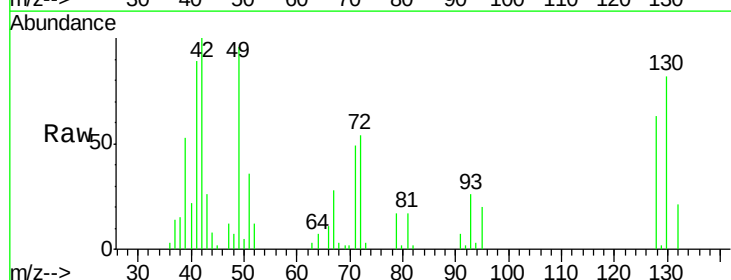
RT: 7.14 min Scan# 1669

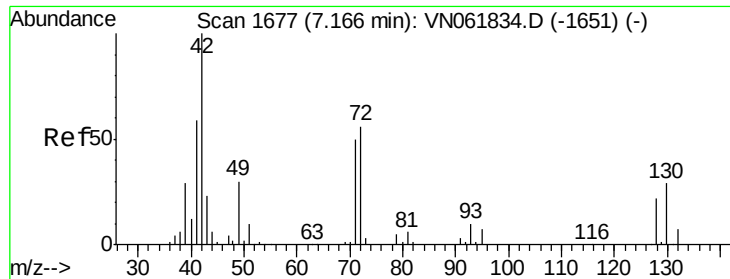
Delta R.T. -0.01 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Tgt Ion:	49	Resp:	25876
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	85.2	72.2	108.2





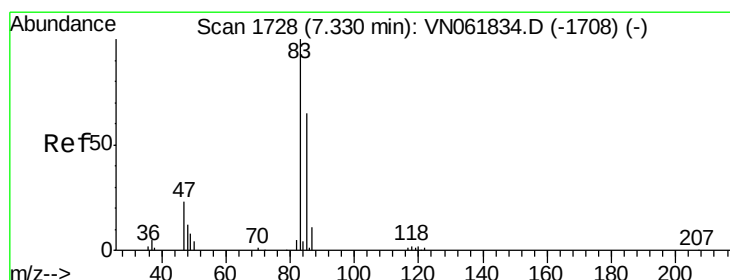
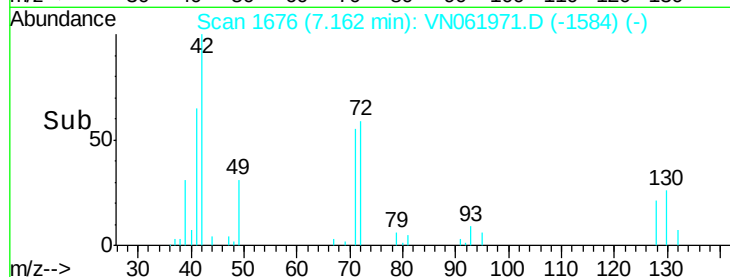
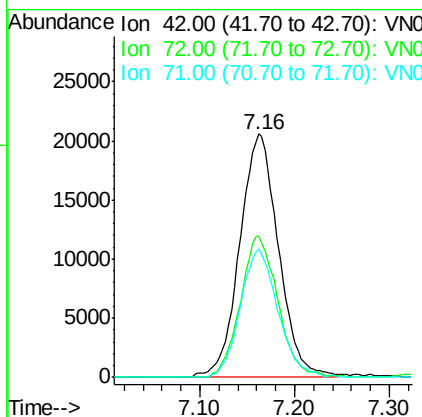
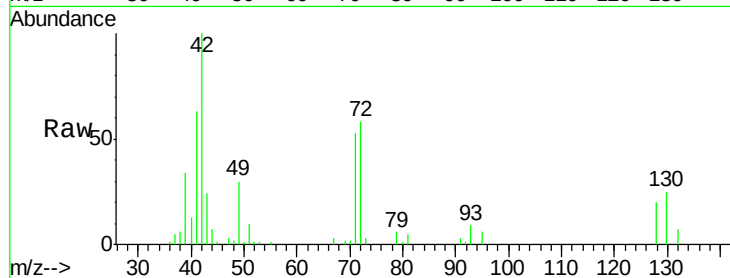
#29
Tetrahydrofuran
Concen: 118.664 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.0	44.0	66.0
71	50.9	40.0	60.0

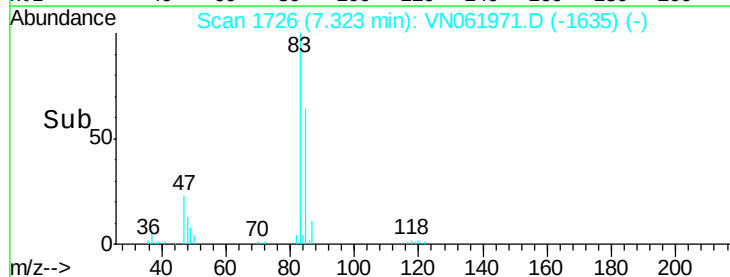
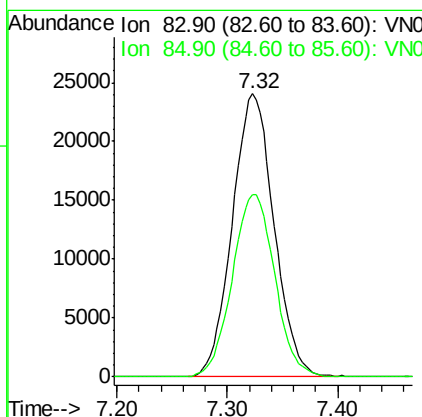
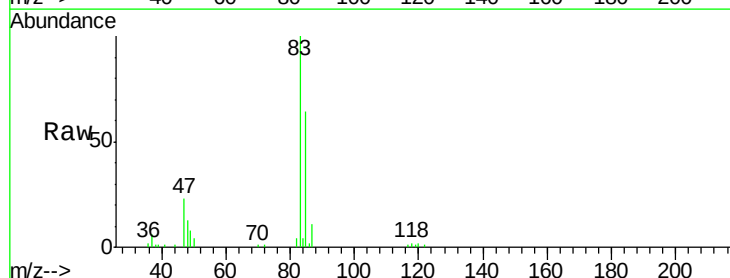
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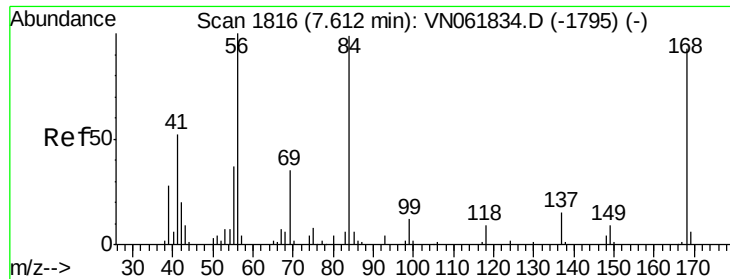
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#30
Chloroform
Concen: 22.437 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.0	78.0





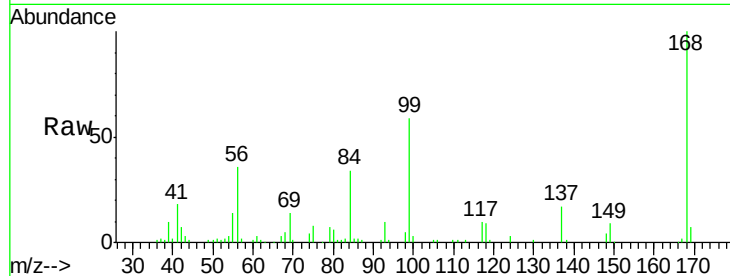
#31
Cyclohexane
Concen: 17.403 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.5	27.7	41.5
84	96.5	79.1	118.7

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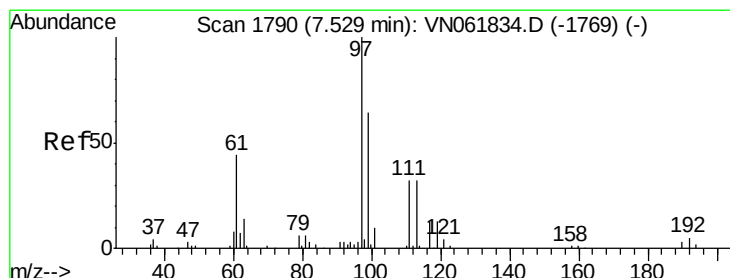
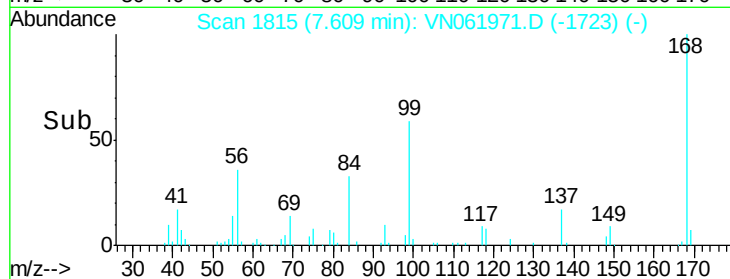
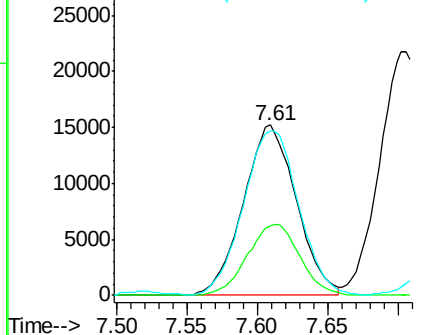


Abundance

Ion 56.00 (55.70 to 56.70): VN061834.D (-1795) (-)

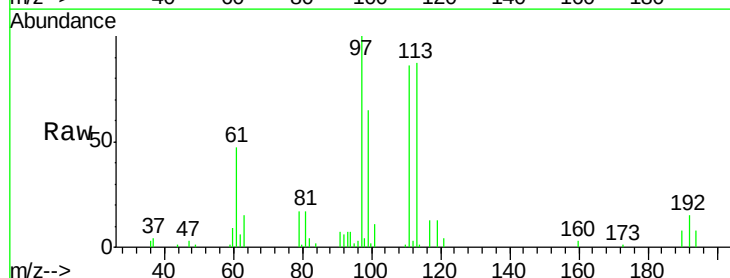
Ion 69.00 (68.70 to 69.70): VN061834.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061834.D (-1795) (-)



#32
1,1,1-Trichloroethane
Concen: 20.009 ug/l
RT: 7.52 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	45.7	35.1	52.7

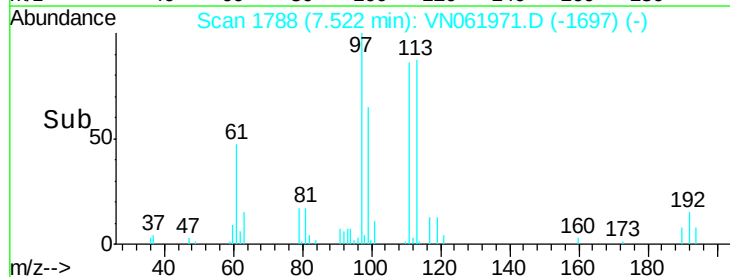
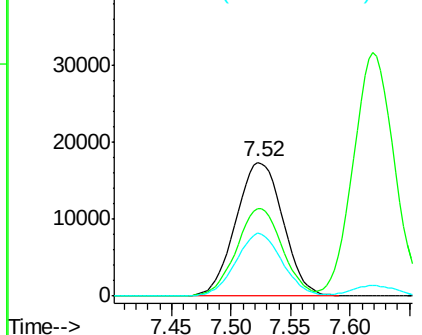


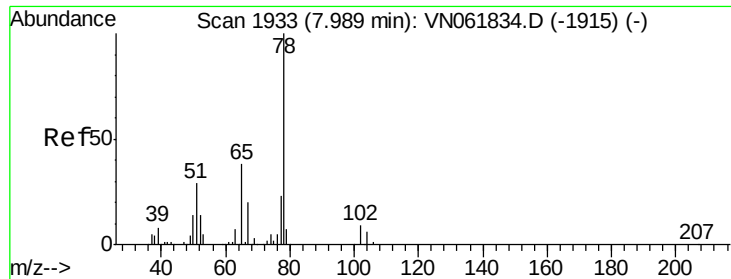
Abundance

Ion 96.90 (96.60 to 97.60): VN061834.D (-1769) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-1769) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-1769) (-)





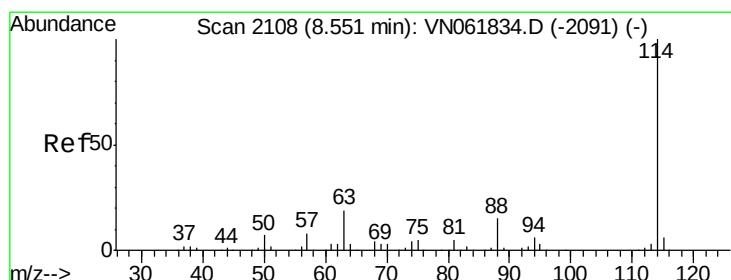
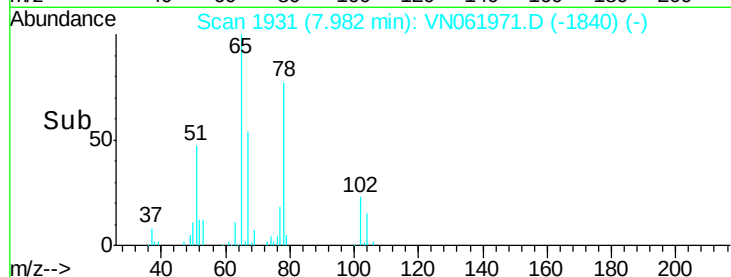
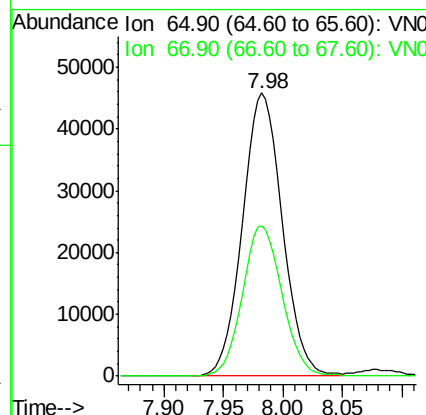
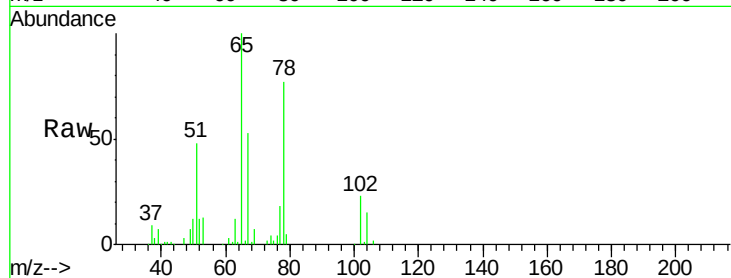
#33
 1,2-Dichloroethane-d4
 Concen: 60.954 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0619WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106311		
67	52.7	0.0	106.2	

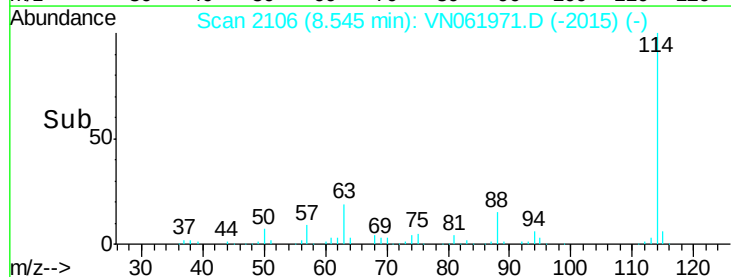
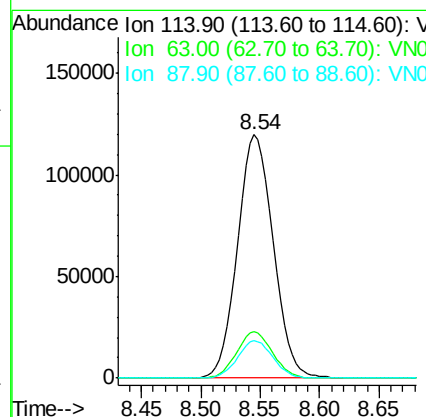
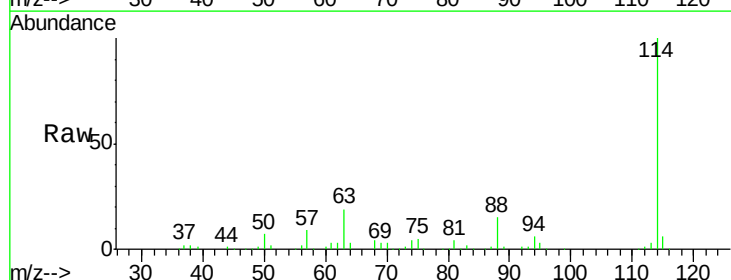
Manual Integrations
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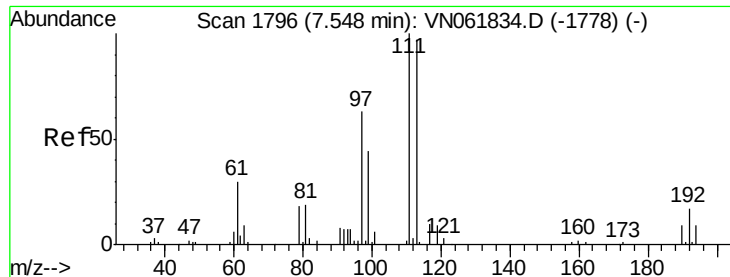
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	249502		
63	19.0	0.0	37.6	
88	15.2	0.0	31.0	





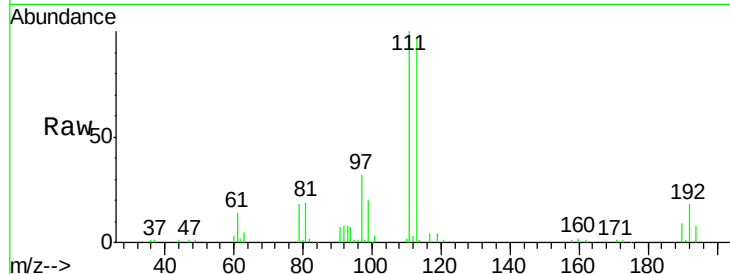
#35
Dibromofluoromethane
Concen: 54.263 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

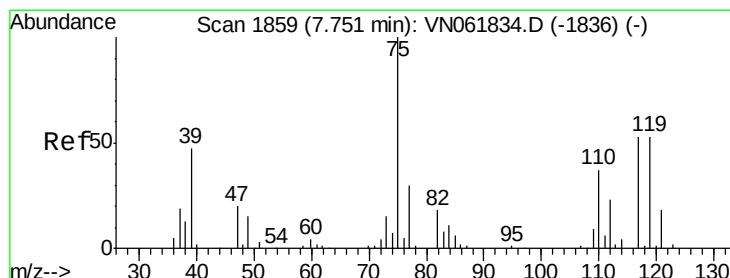
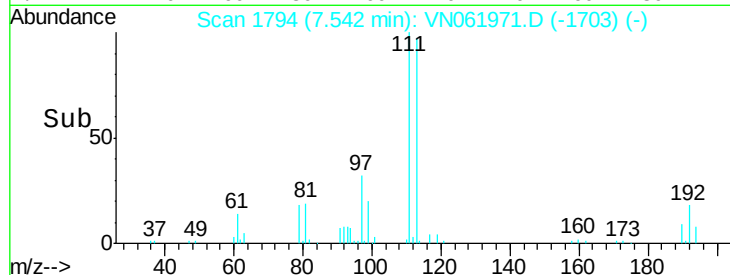
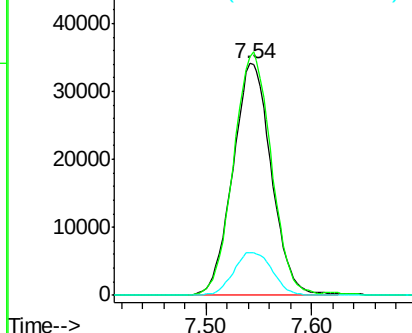
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	83.7	125.5	
192	18.5	13.9	20.9	

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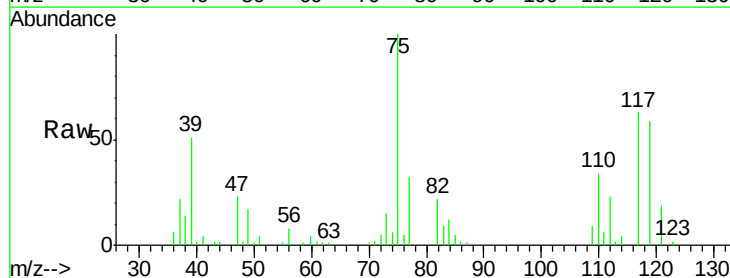


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

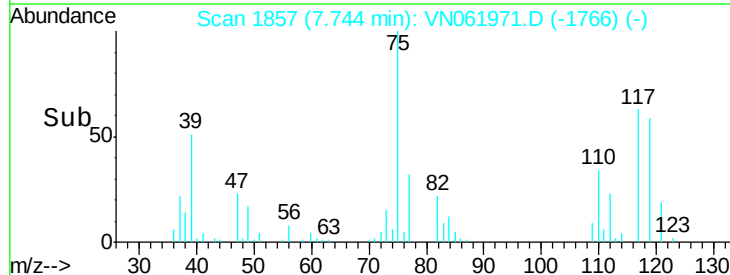
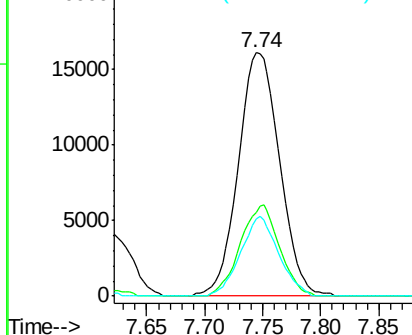


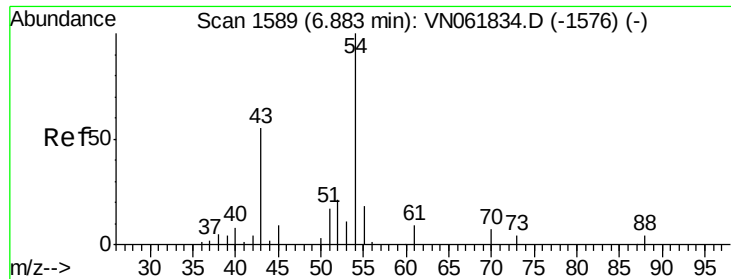
#36
1,1-Dichloropropene
Concen: 17.583 ug/l
RT: 7.74 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.5	18.2	54.6	
77	30.1	24.2	36.4	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





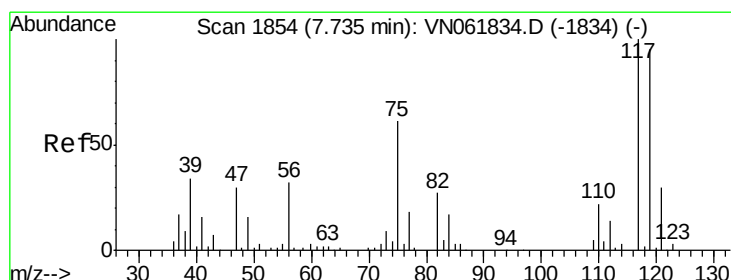
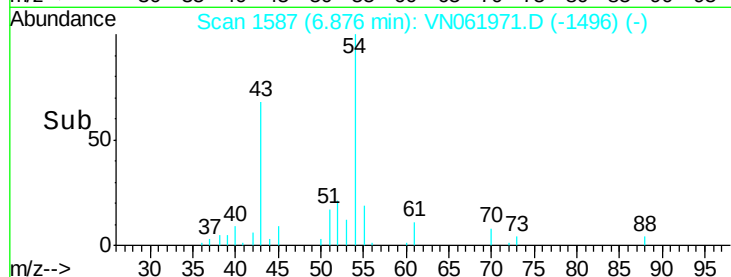
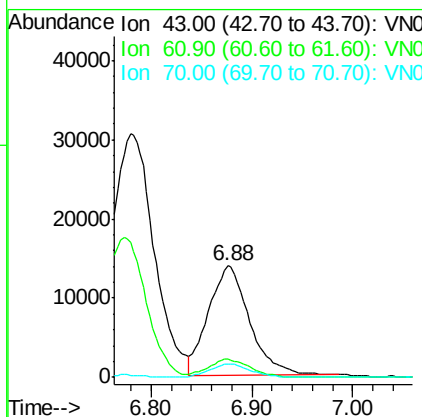
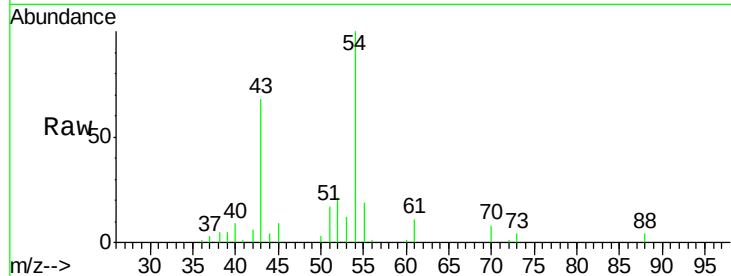
#37
Ethyl Acetate
Concen: 22.197 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.0	19.4
70	11.8	9.4	14.2

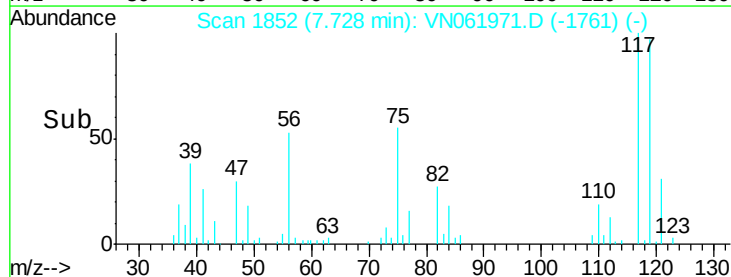
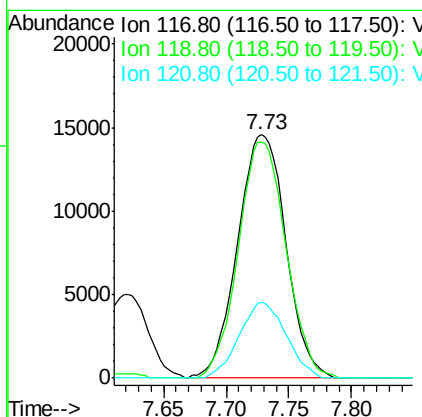
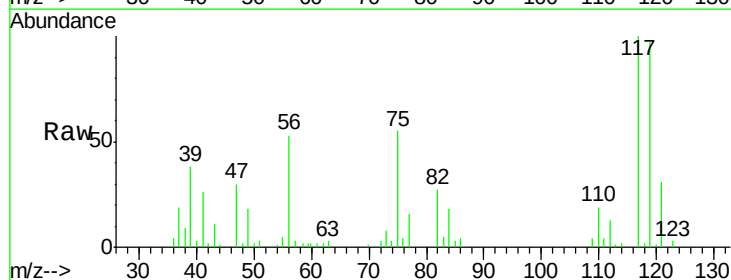
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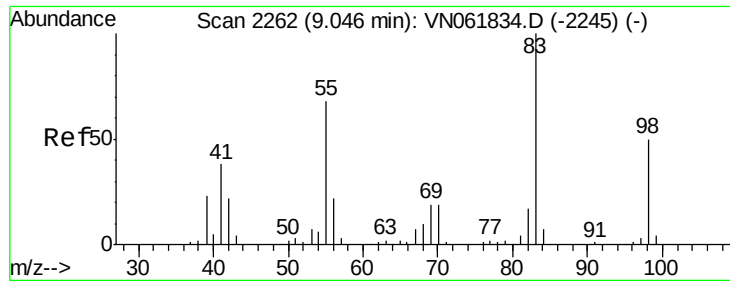
MMDadoda
6/22/2020 10:30:08 AM



#38
Carbon Tetrachloride
Concen: 17.317 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.8	113.6
121	31.2	23.8	35.6





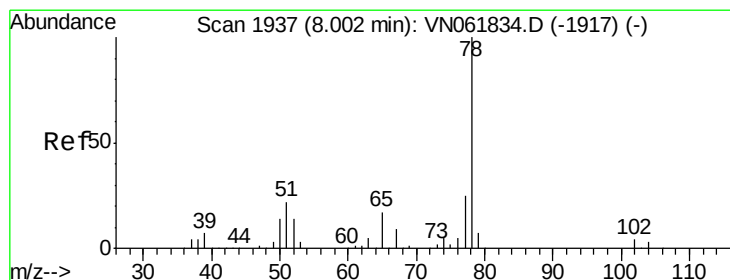
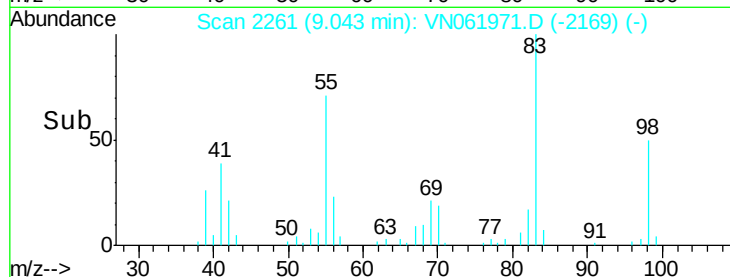
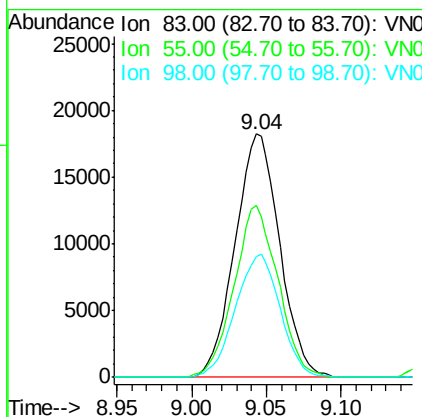
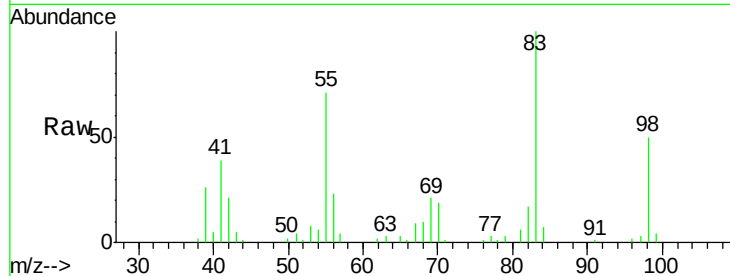
#39
Methylvlcyclohexane
Concen: 15.429 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	54.2	81.4
98	49.6	39.8	59.6

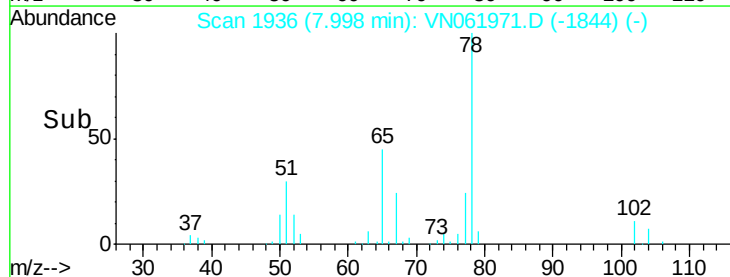
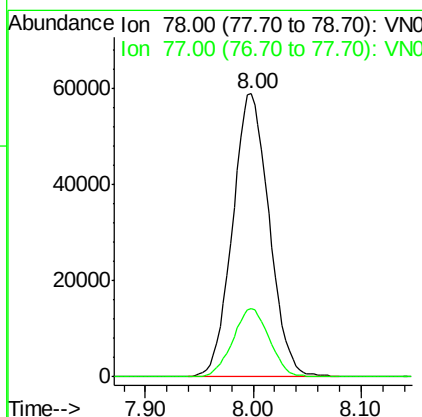
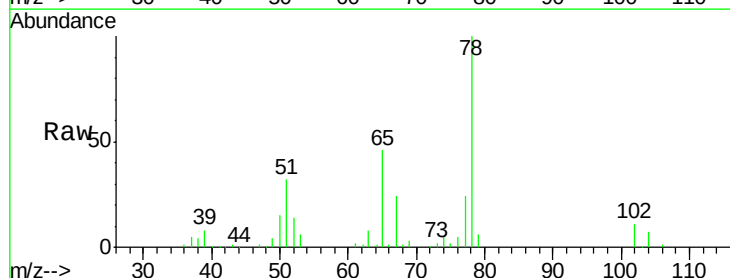
Manual Integrations
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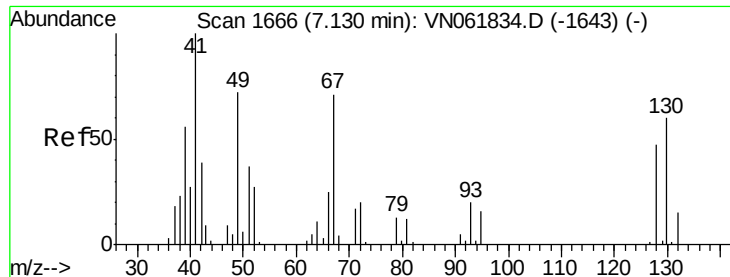
MMDadoda
6/22/2020 10:30:08 AM



#40
Benzene
Concen: 20.248 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.7	29.5





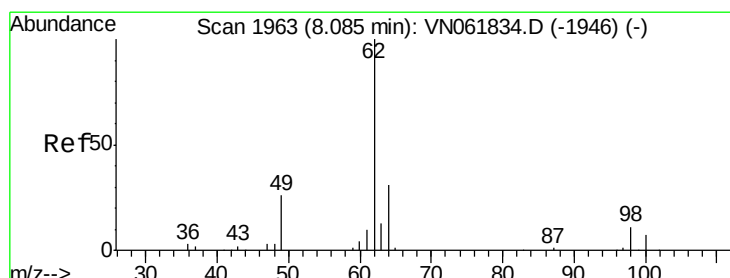
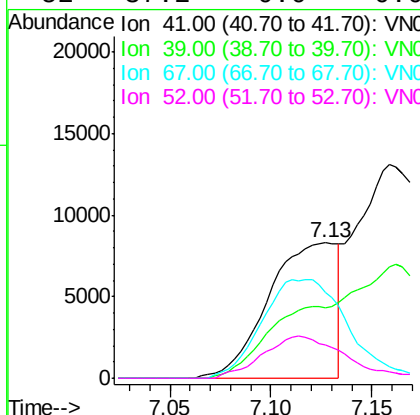
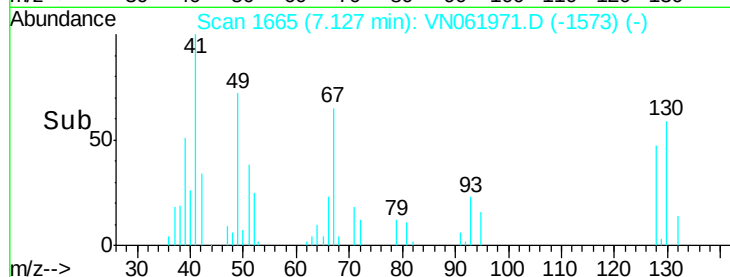
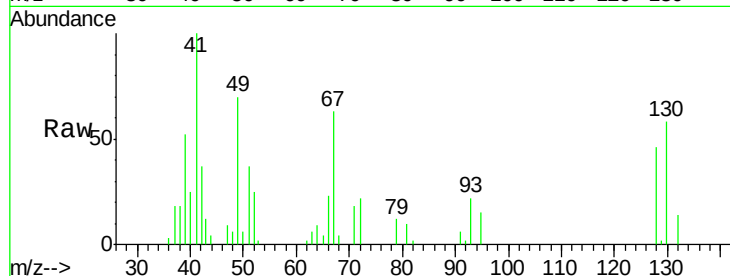
#41
Methacrylonitrile
Concen: 25.897 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		19680		
39	45.6	0.0	0.0#		
67	90.9	0.0	0.0#		
52	37.2	0.0	0.0#		

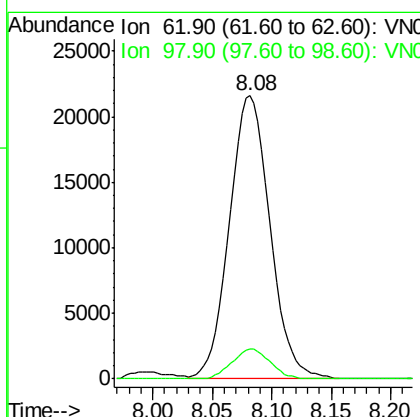
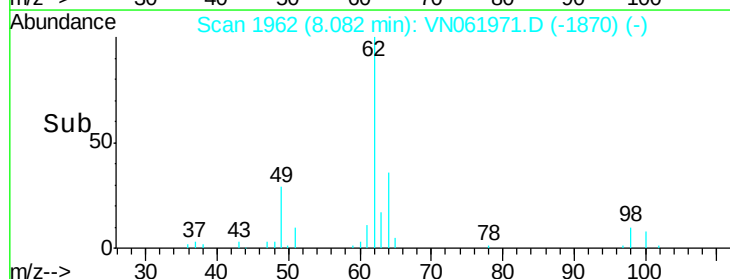
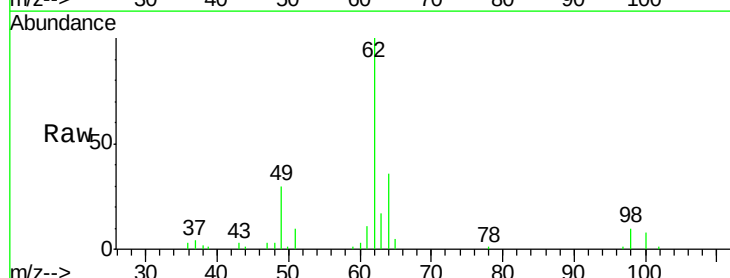
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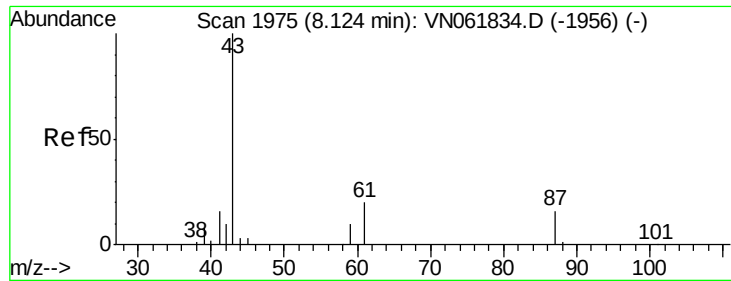
MMDadoda
6/22/2020 10:30:08 AM



#42
1,2-Dichloroethane
Concen: 21.738 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		51096		
98	9.9	0.0	20.4		





#43

Isopropyl Acetate

Concen: 22.288 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

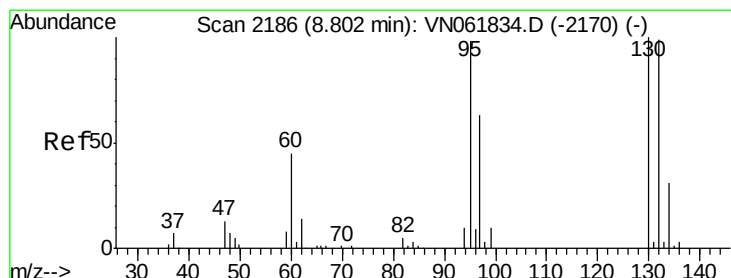
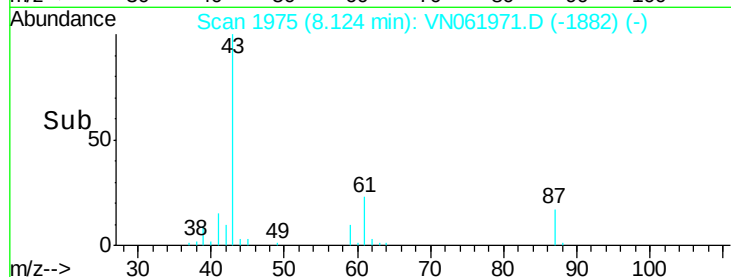
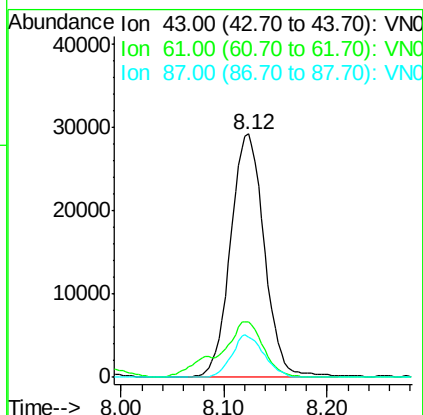
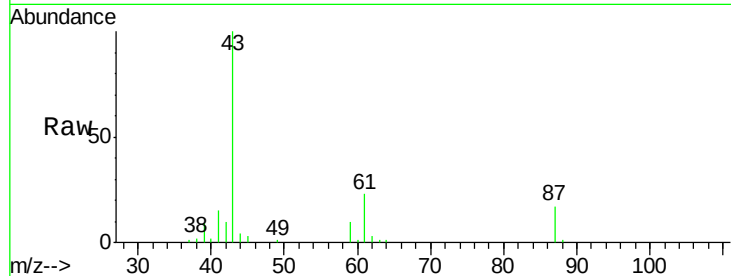
ClientSampleId :

VN0619WBS02

Tot Ion:	43	Resp:	66751
Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.0	36.0
87	16.3	12.5	18.7

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#44

Trichloroethene

Concen: 19.083 ug/l

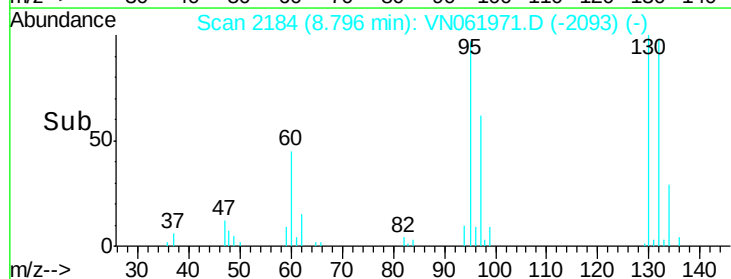
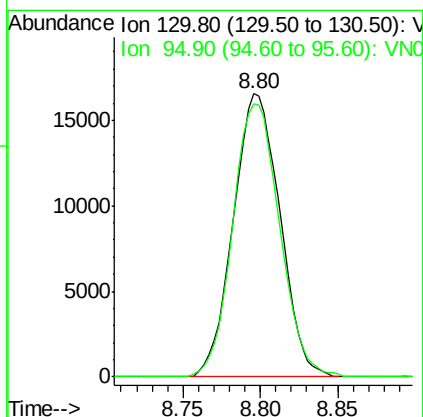
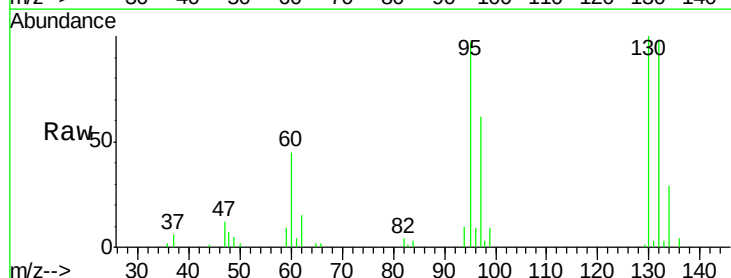
RT: 8.80 min Scan# 2184

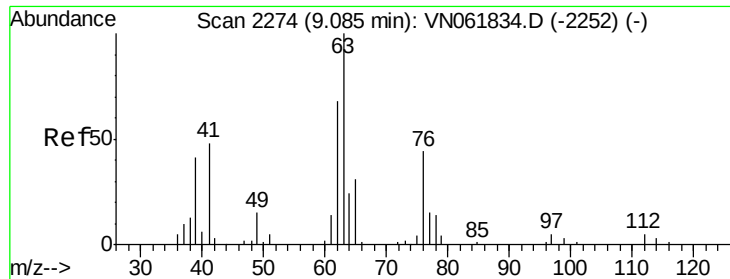
Delta R.T. -0.01 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Tgt Ion:	130	Resp:	34621
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	195.6





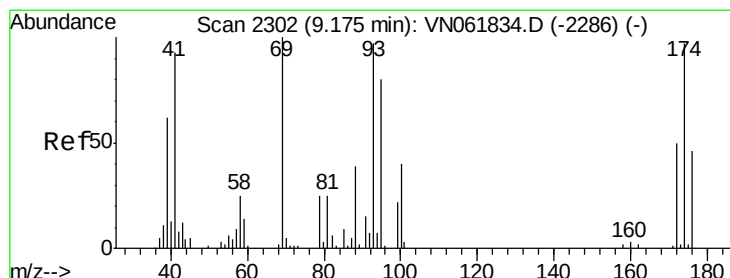
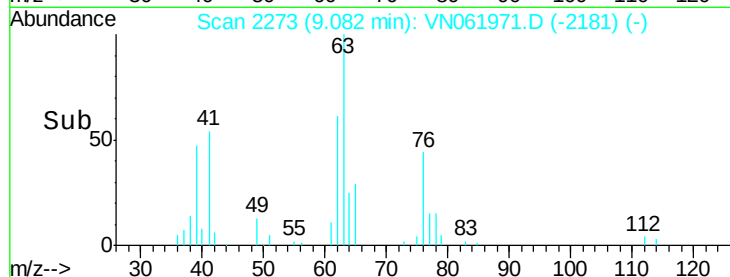
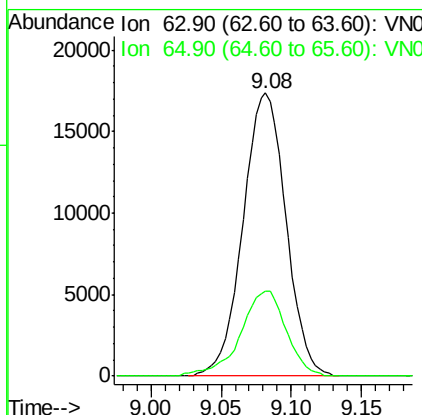
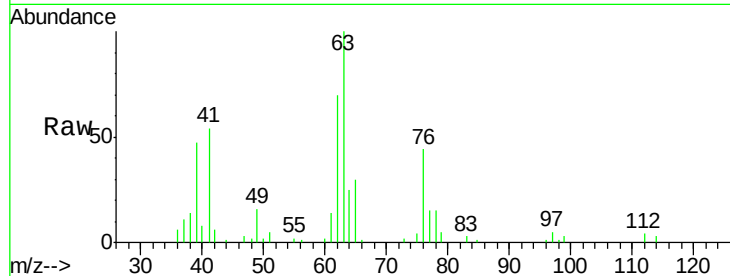
#45
 1,2-Dichloropropane
 Concen: 21.856 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS02

Tot Ion: 63 Resp: 37027
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.1 37.7

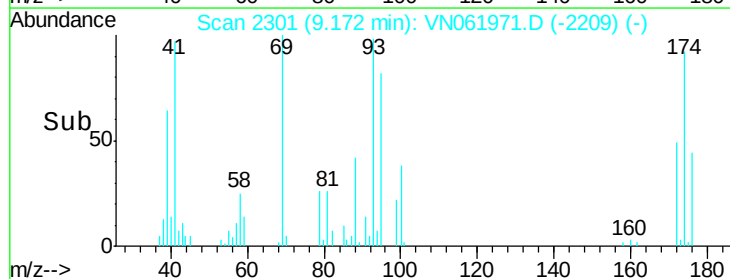
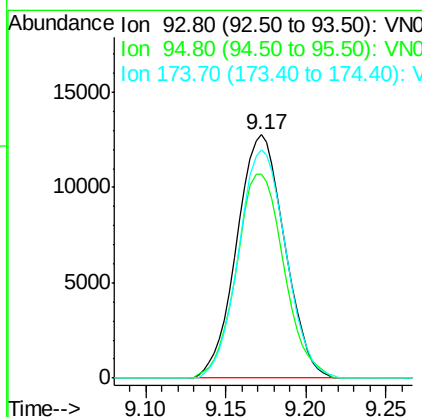
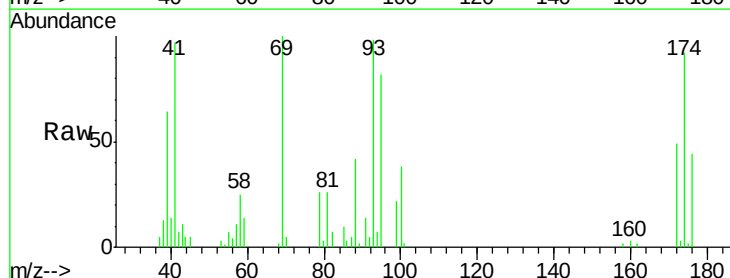
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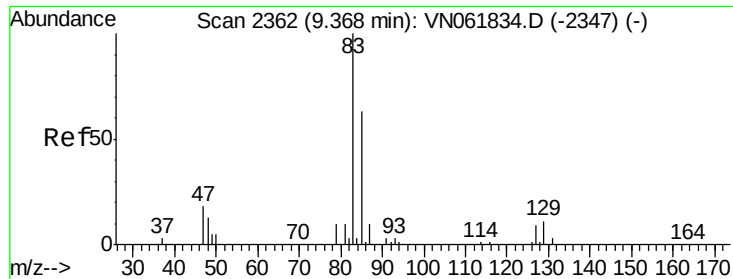
MMDadoda
 6/22/2020 10:30:08 AM



#46
 Dibromomethane
 Concen: 21.918 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Tgt Ion: 93 Resp: 26148
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.8 98.6
 174 92.4 78.5 117.7





#47

Bromodichloromethane

Concen: 21.075 ug/l

RT: 9.36 min Scan# 2361

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

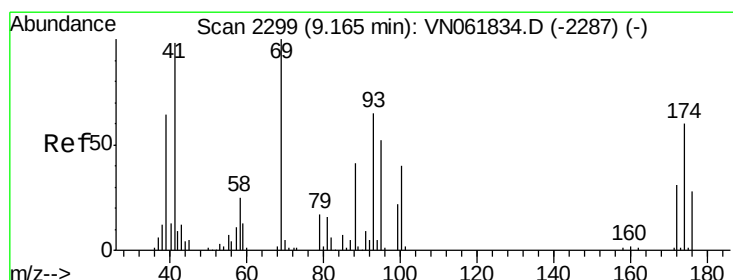
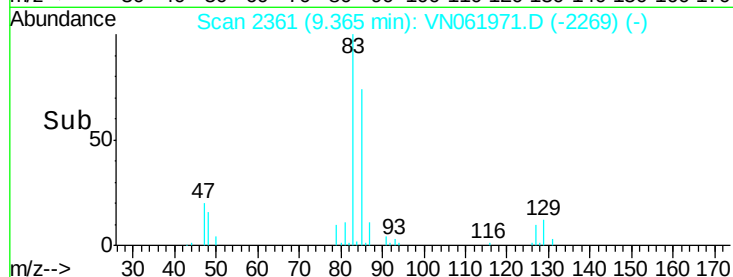
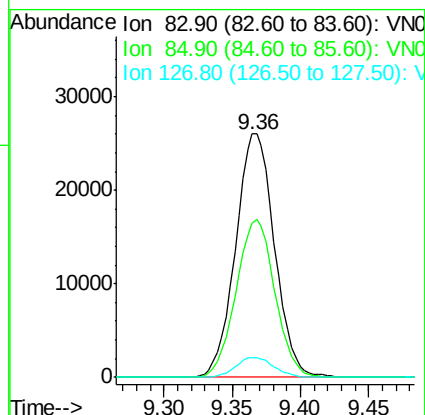
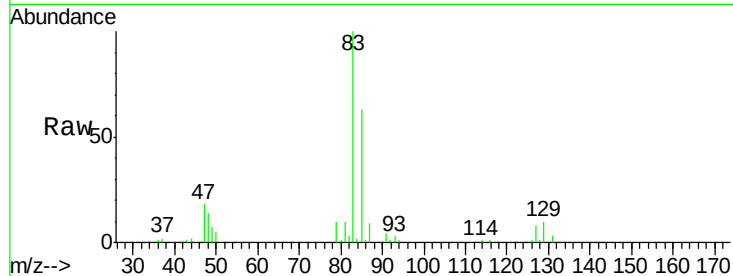
ClientSampled :

VN0619WBS02

Tot Ion:	83	Resp:	51483
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.8	76.2
127	8.2	7.0	10.4

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6/22/2020 10:30:08 AM



#48

Methyl methacrylate

Concen: 21.593 ug/l

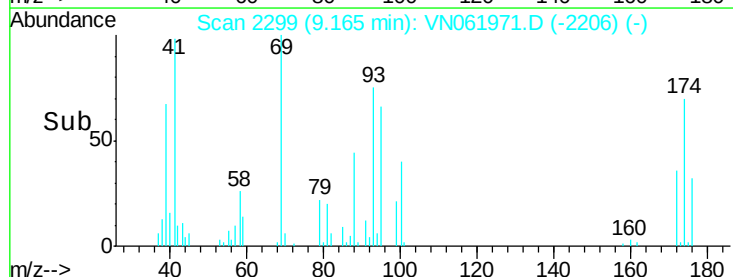
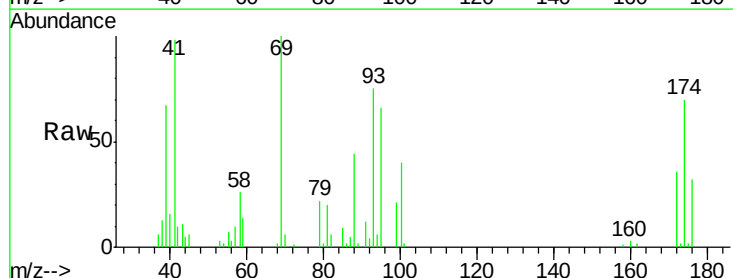
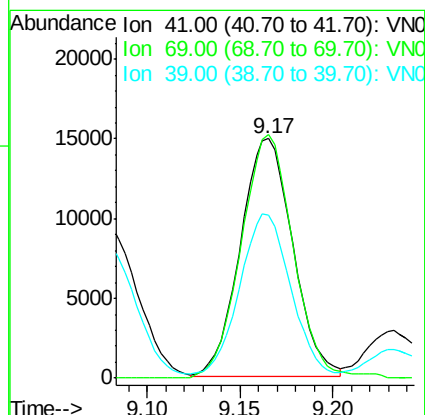
RT: 9.17 min Scan# 2299

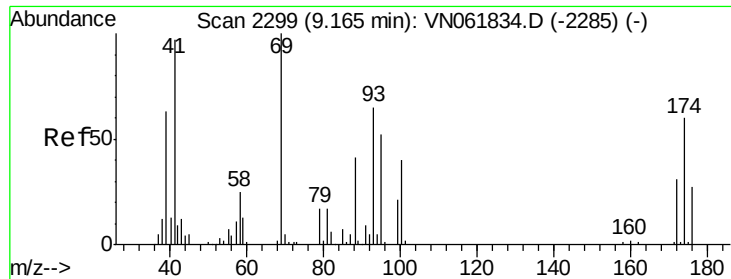
Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Tgt Ion:	41	Resp:	29409
Ion Ratio	Lower	Upper	
41	100		
69	101.5	83.0	124.4
39	68.6	55.1	82.7





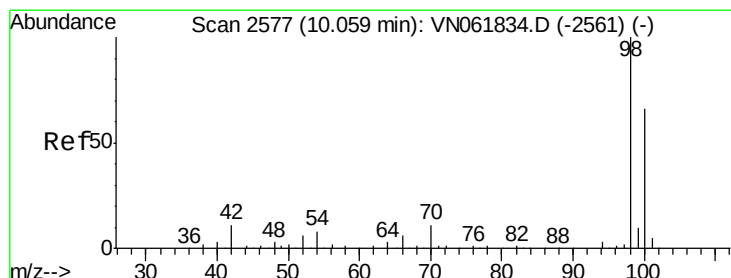
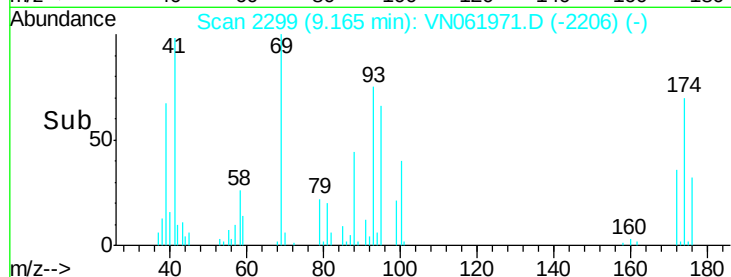
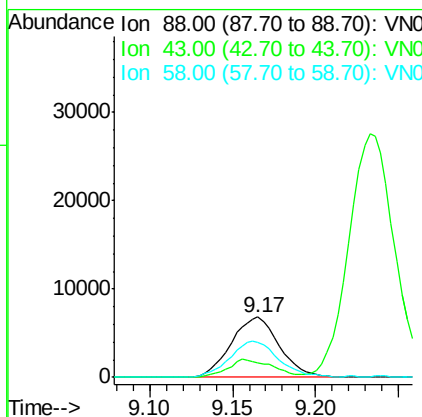
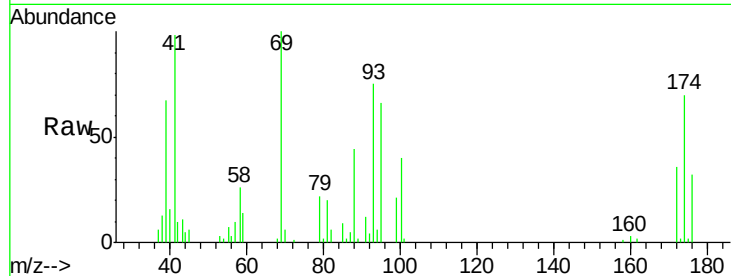
#49
1,4-Dioxane
Concen: 439.220 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion	88	Resp	13734
Ion Ratio	Lower	Upper	
88	100		
43	28.1	23.4	35.2
58	60.8	49.8	74.6

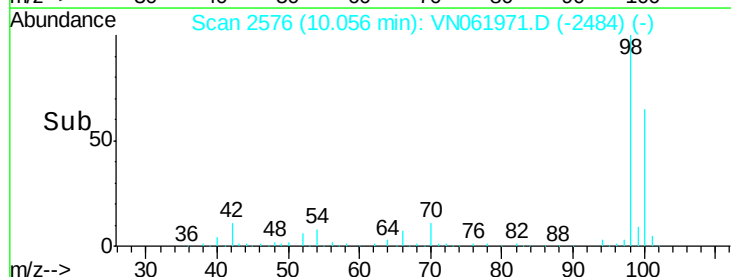
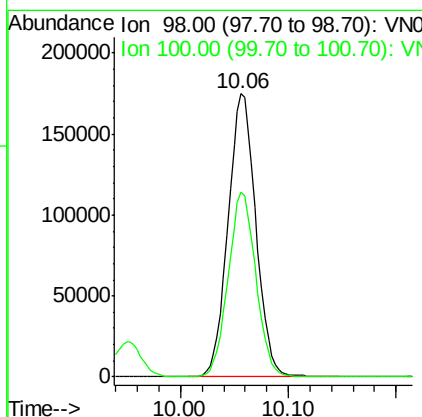
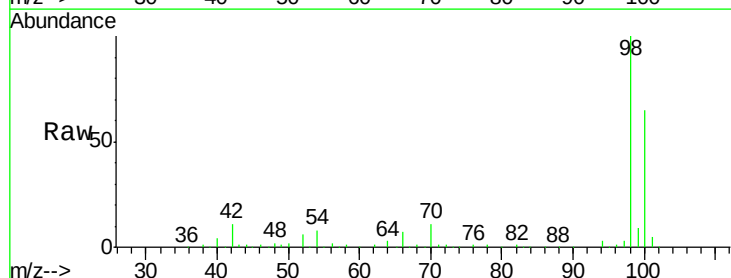
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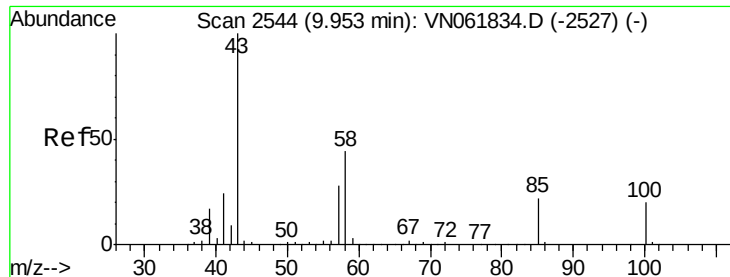
MMDadoda
6/22/2020 10:30:08 AM



#50
Toluene-d8
Concen: 50.151 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	98	Resp	314711
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.7	79.1





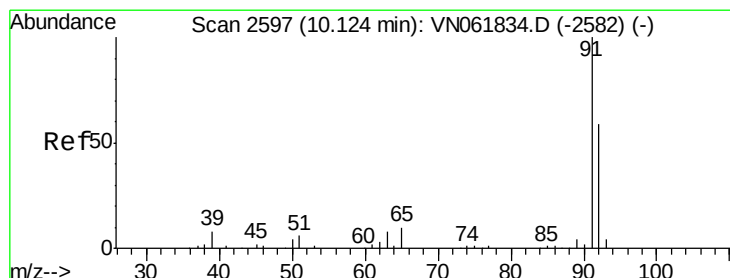
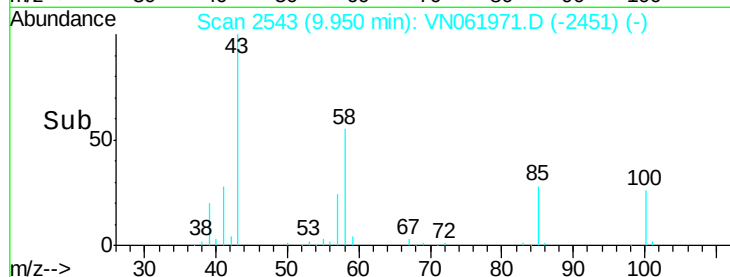
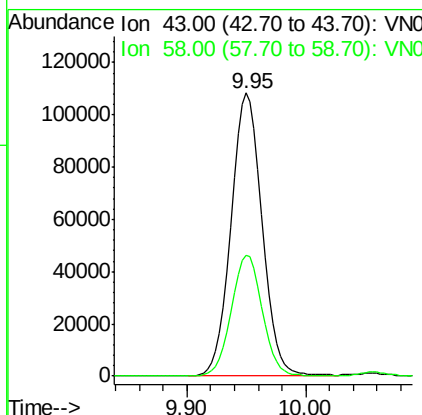
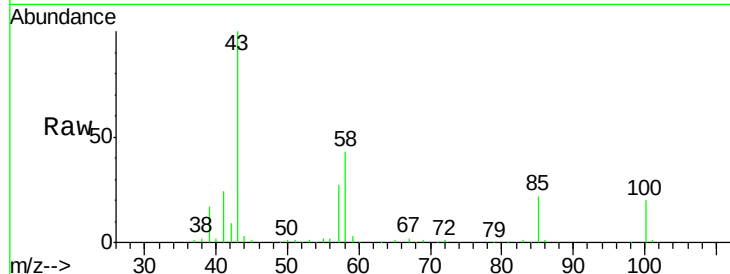
#51
4-Methyl-2-Pentanone
Concen: 110.737 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion: 43 Resp: 195980
Ion Ratio Lower Upper
43 100
58 42.6 34.6 52.0

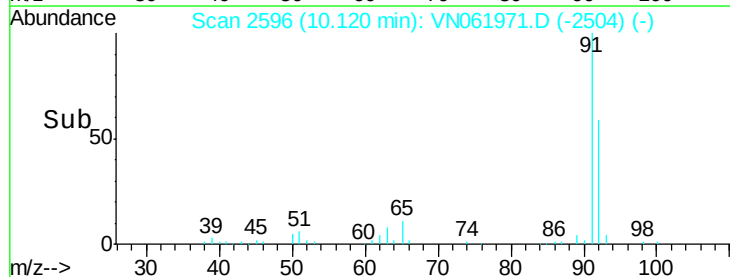
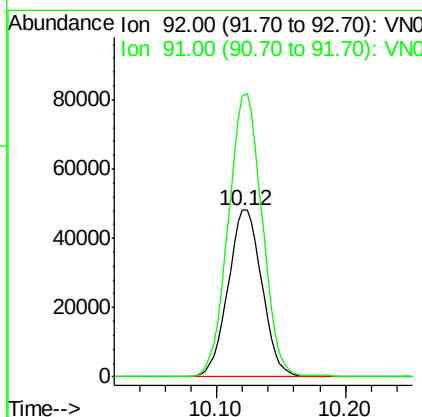
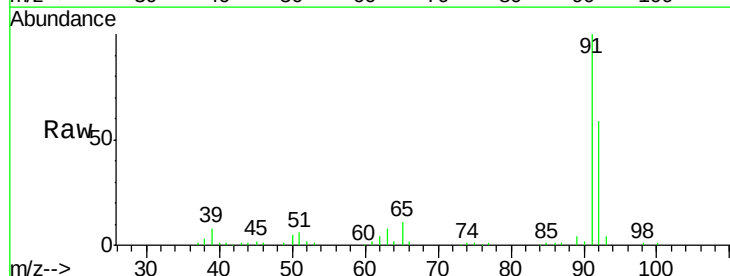
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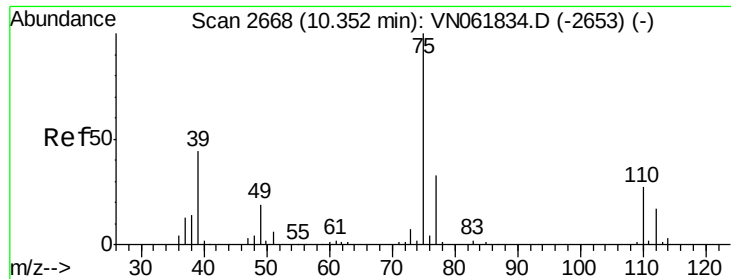
MMDadoda
6/22/2020 10:30:08 AM



#52
Toluene
Concen: 20.345 ug/l
RT: 10.12 min Scan# 2596
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion: 92 Resp: 88085
Ion Ratio Lower Upper
92 100
91 168.8 137.1 205.7





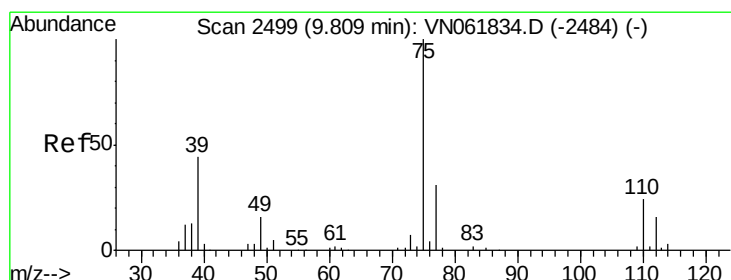
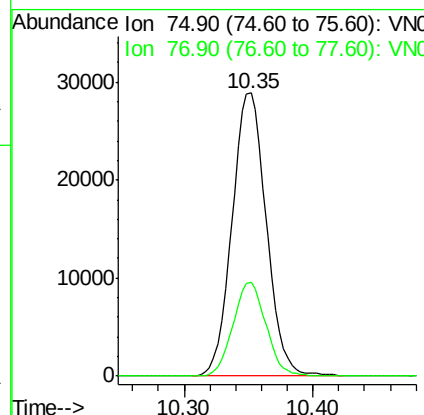
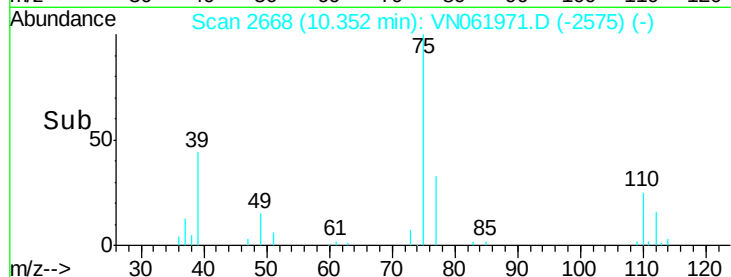
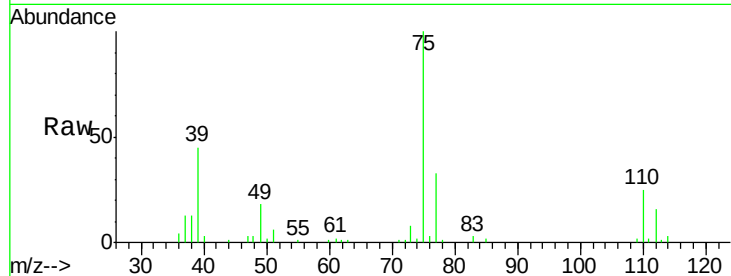
#53
t-1,3-Dichloropropene
Concen: 20.518 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS02

Tot Ion: 75 Resp: 53209
Ion Ratio Lower Upper
75 100
77 33.3 26.3 39.5

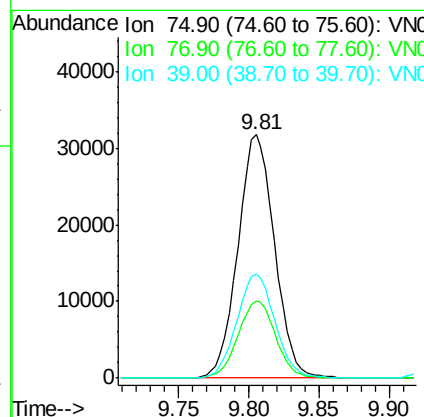
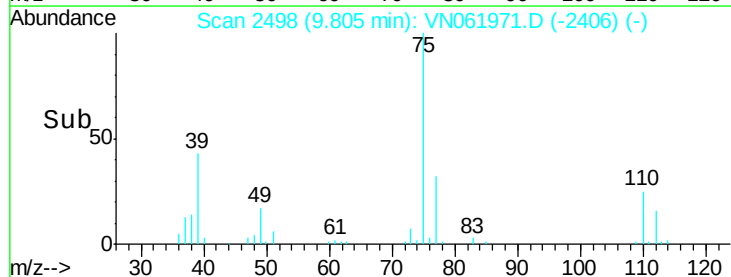
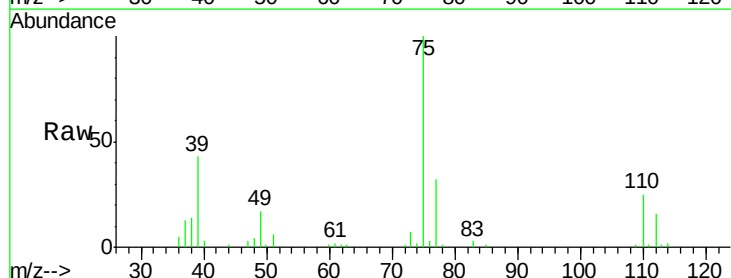
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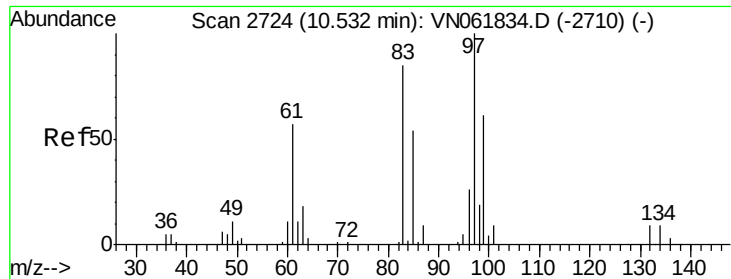
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.531 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion: 75 Resp: 57829
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 42.7 35.4 53.0





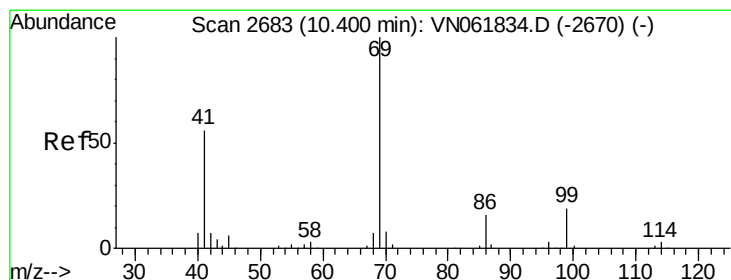
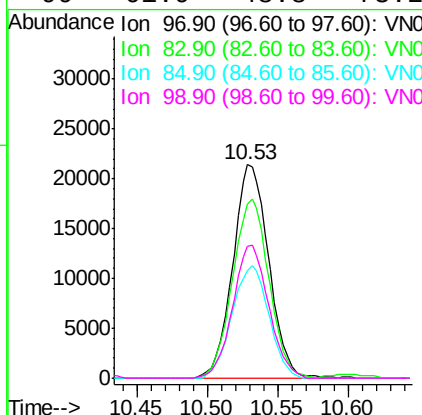
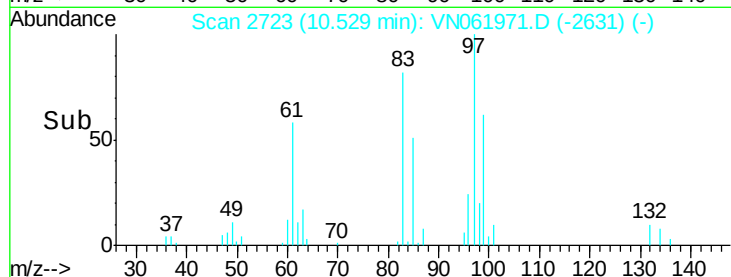
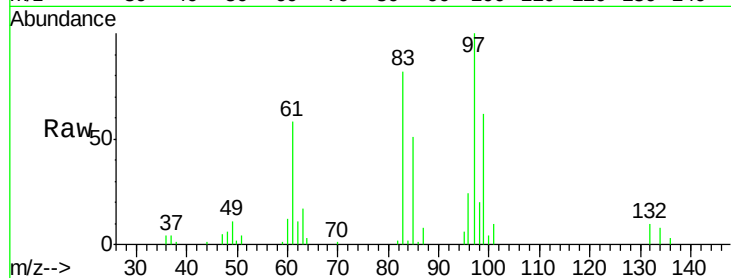
#55
1,1,2-Trichloroethane
Concen: 22.475 ug/l
RT: 10.53 min Scan# 2723
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		38285		
83	81.5	67.7	101.5		
85	50.5	43.4	65.0		
99	61.9	48.8	73.2		

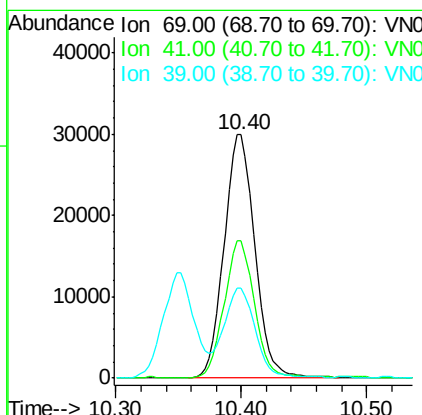
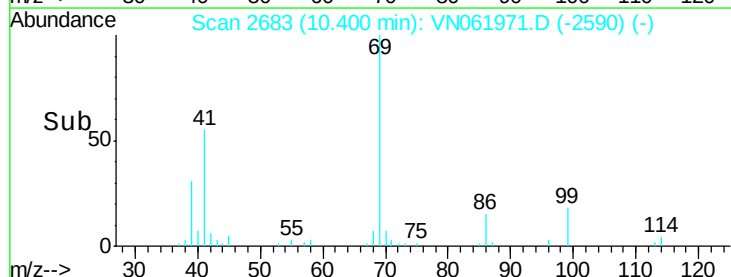
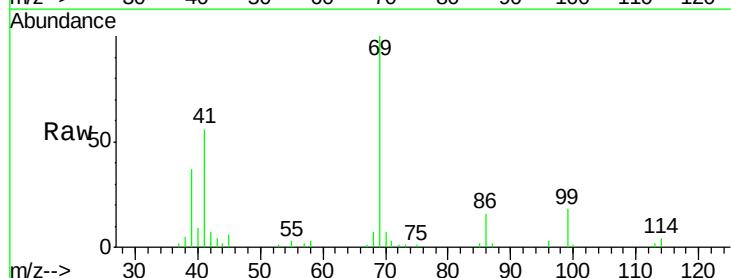
Manual Integrations
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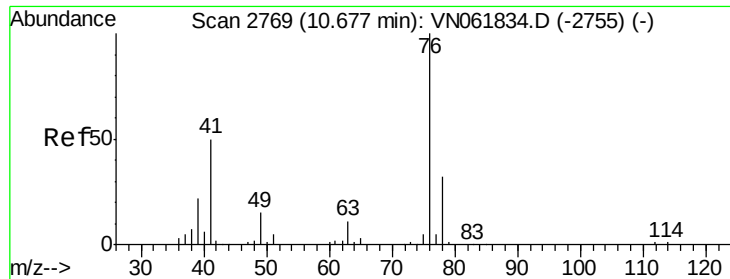
MMDadoda
6/22/2020 10:30:08 AM



#56
Ethyl methacrylate
Concen: 21.390 ug/l
RT: 10.40 min Scan# 2683
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		51067		
41	55.9	44.9	67.3		
39	37.1	30.0	45.0		





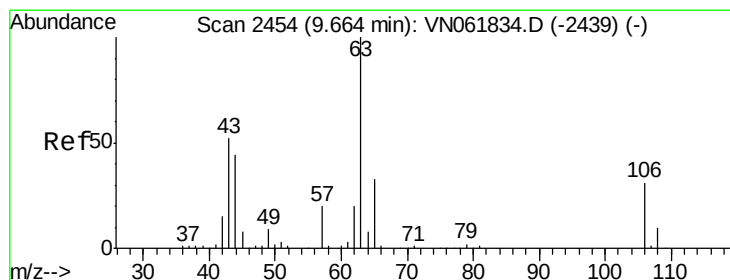
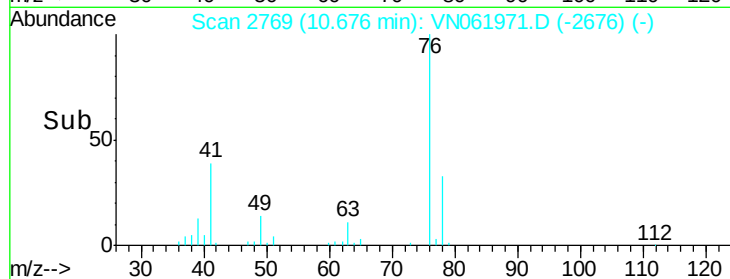
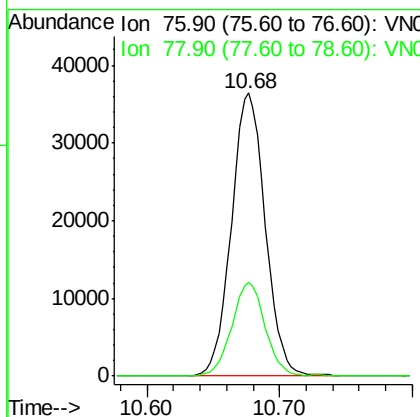
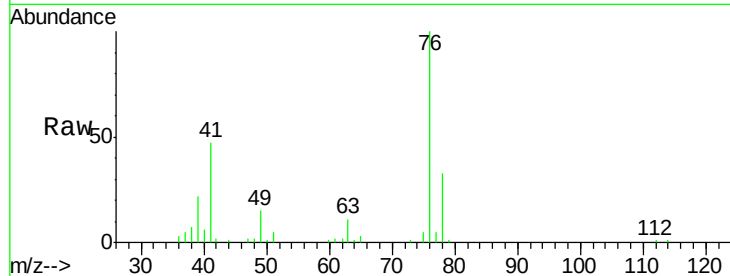
#57
 1,3-Dichloropropane
 Concen: 22.334 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0619WBS02

Tot Ion: 76 Resp: 64453
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

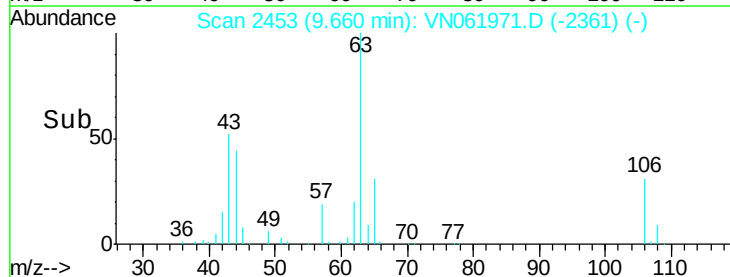
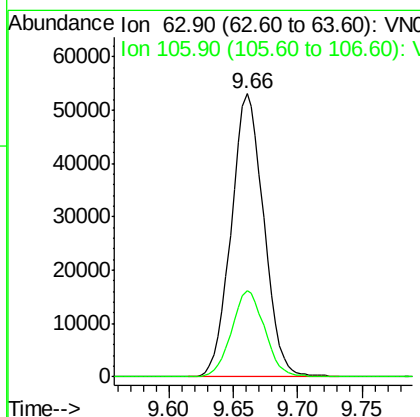
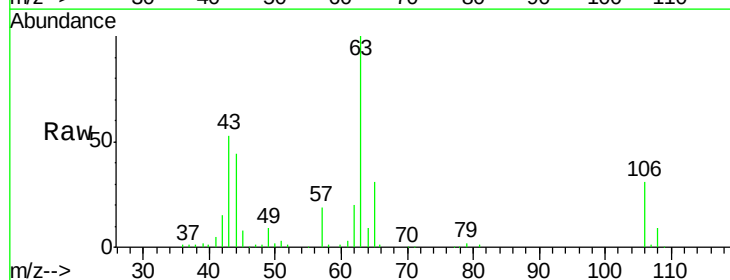
Manual Integrations
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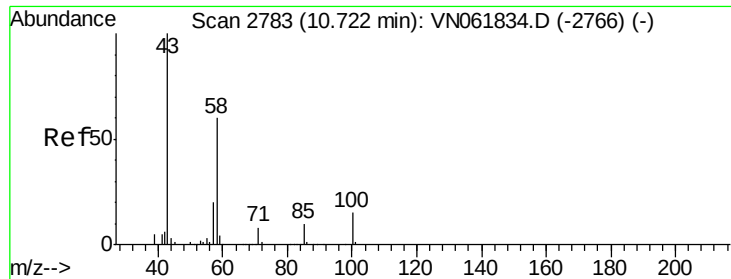
MMDadoda
 6/22/2020 10:30:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.476 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Tgt Ion: 63 Resp: 93026
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.6 36.8





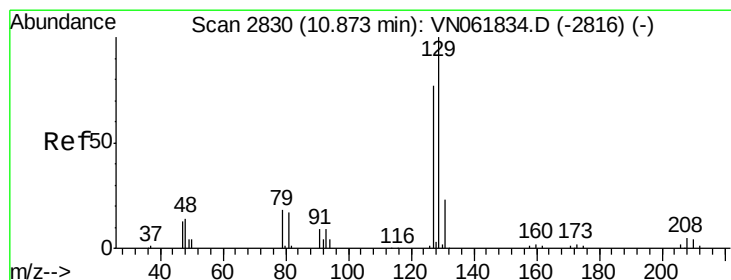
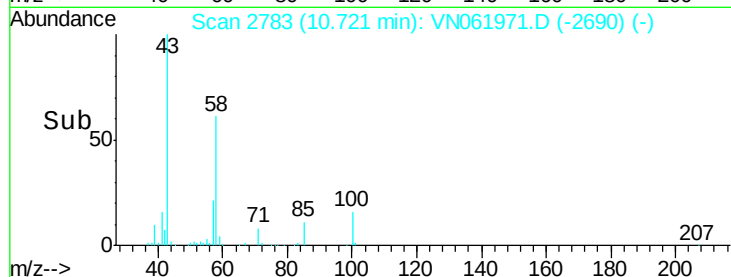
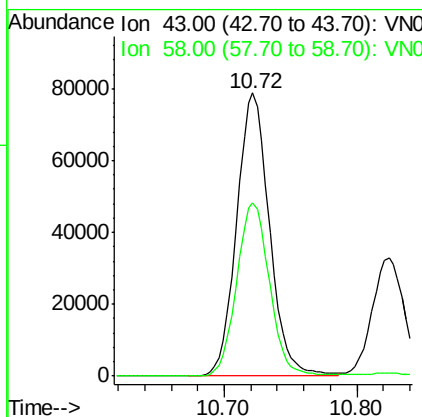
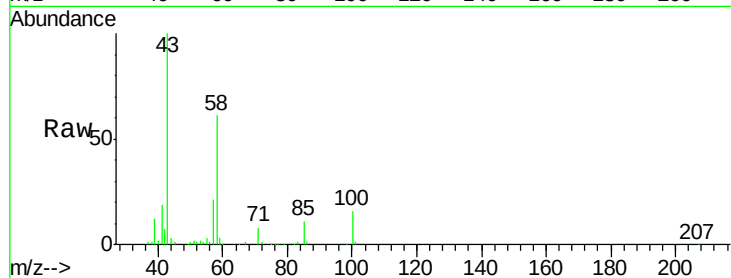
#59
2-Hexanone
Concen: 104.321 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.5	30.1	90.5

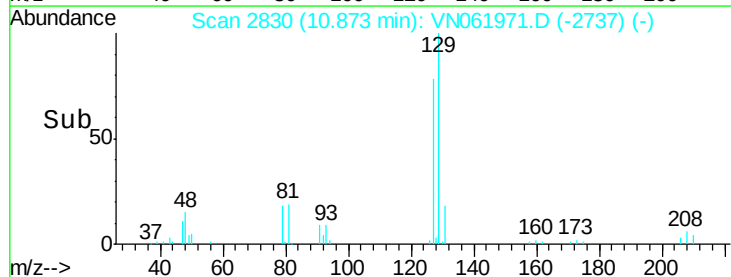
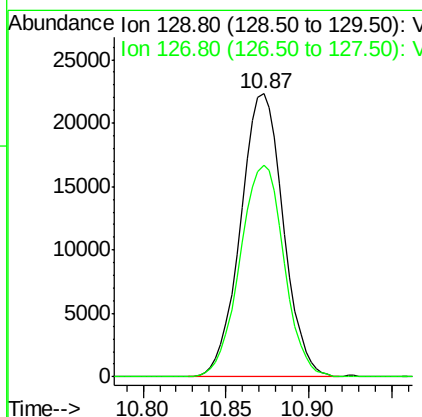
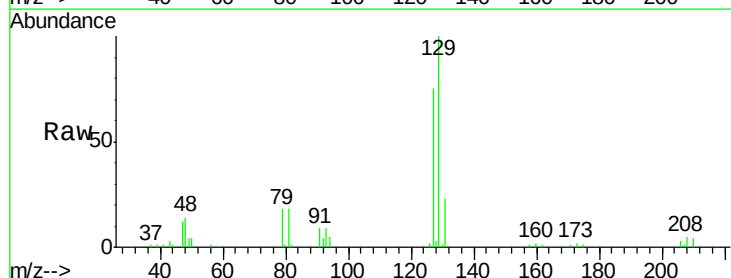
Manual Integrations
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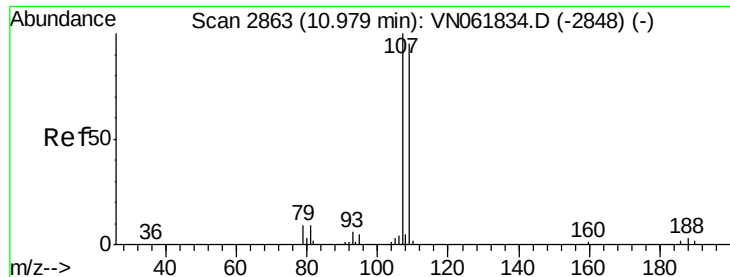
MMDadoda
6/22/2020 10:30:08 AM



#60
Dibromochloromethane
Concen: 21.117 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5





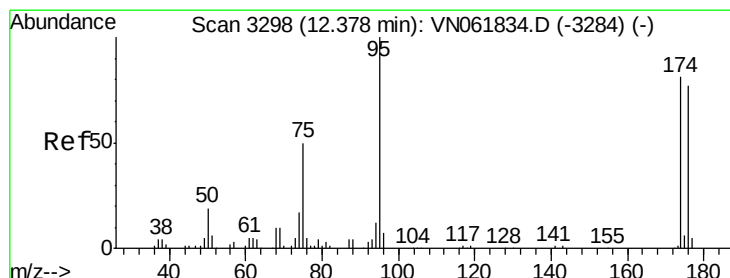
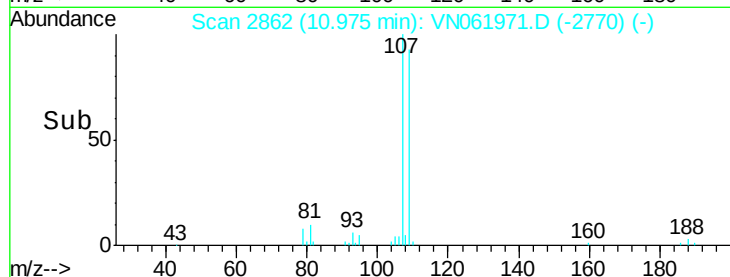
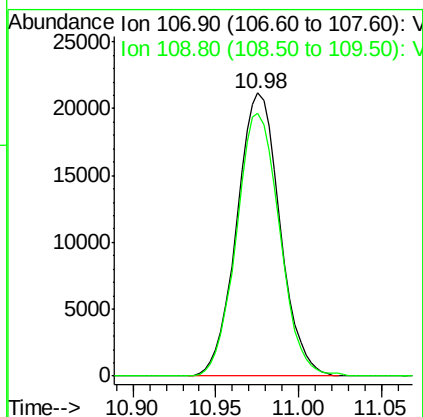
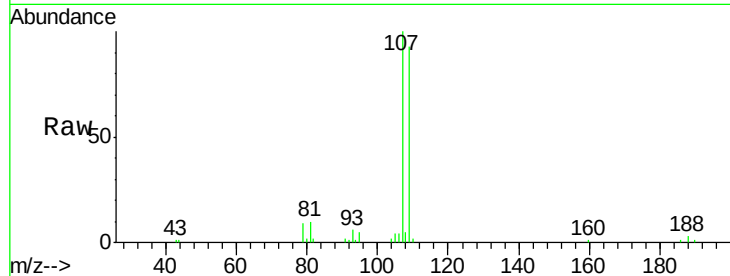
#61
 1,2-Dibromoethane
 Concen: 21.528 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.0	112.6

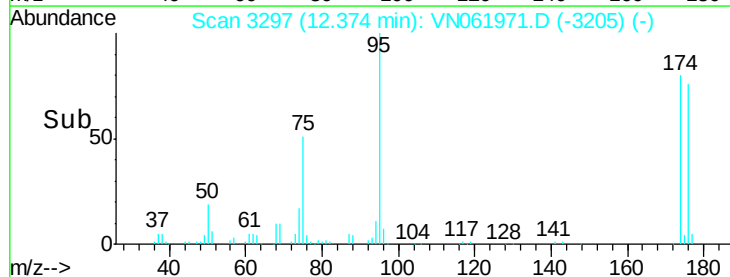
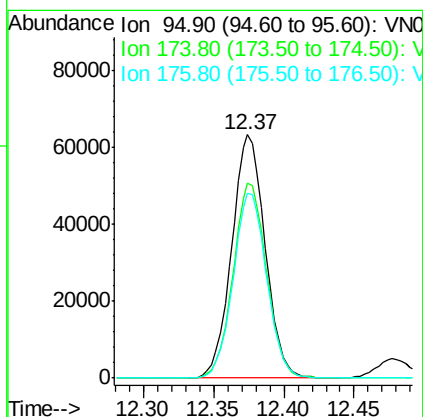
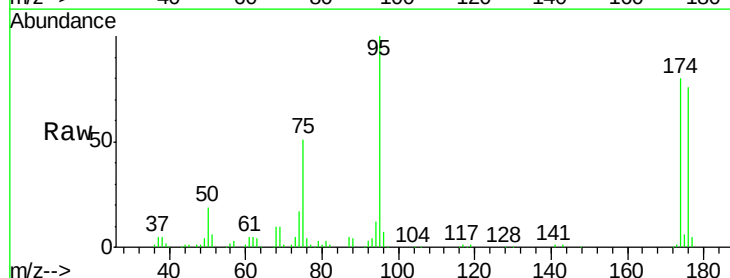
Manual Integrations
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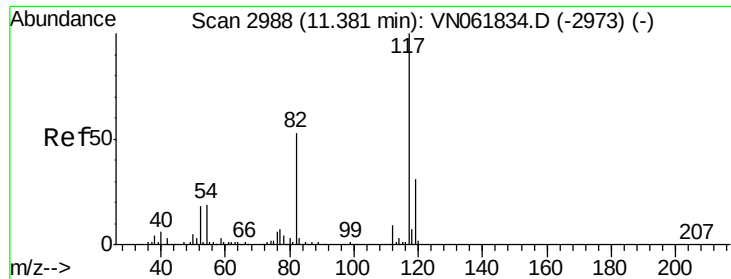
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 48.783 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	158.6
176	76.4	0.0	152.0





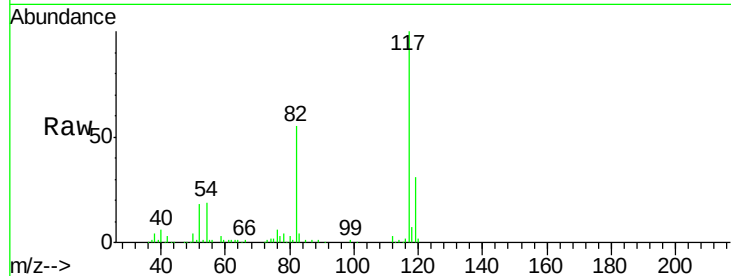
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

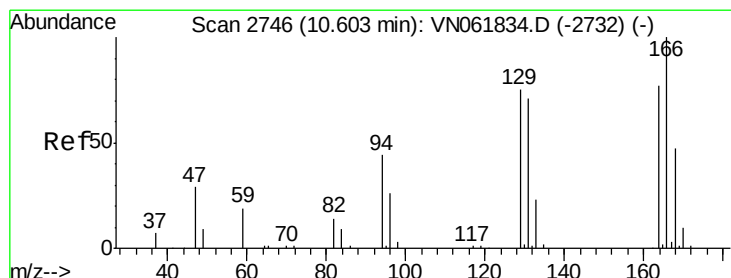
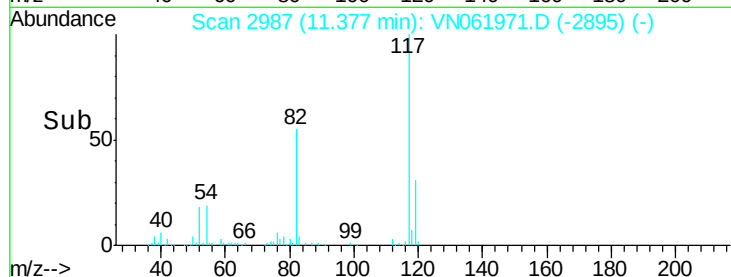
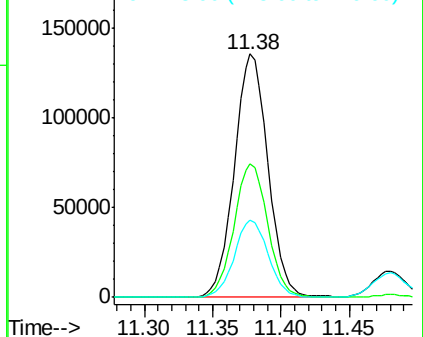
Tot Ion	Ratio	Resp	Lower	Upper
117	100	232745		
82	55.0	42.6	64.0	
119	31.5	24.7	37.1	

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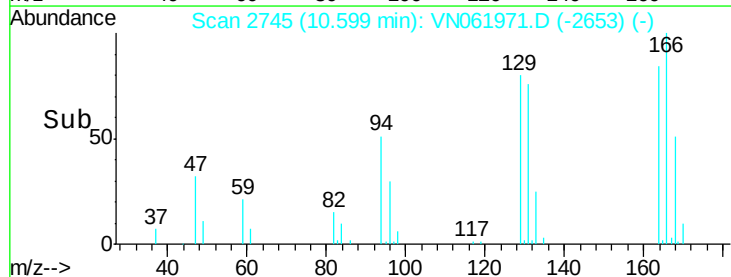
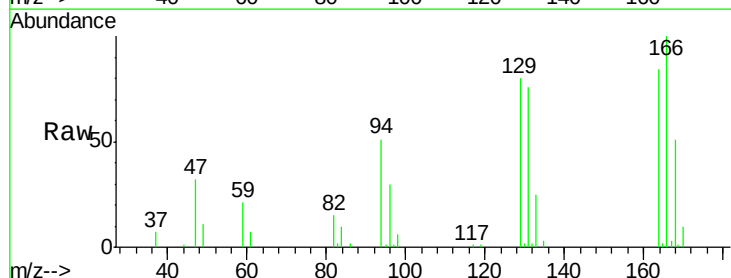
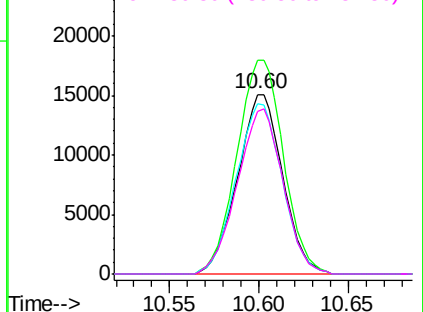
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

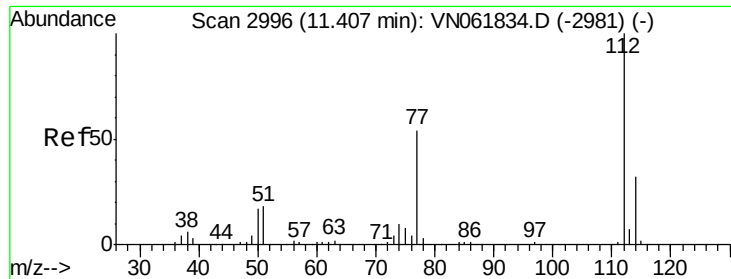


#64
Tetrachloroethene
Concen: 17.969 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26656		
166	119.0	103.5	155.3	
129	95.2	77.5	116.3	
131	90.9	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





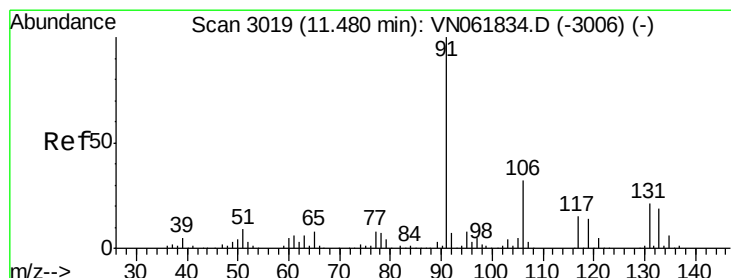
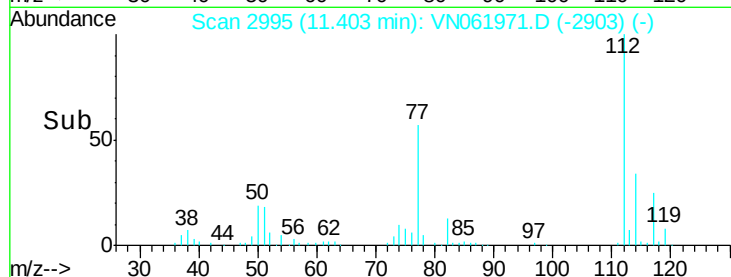
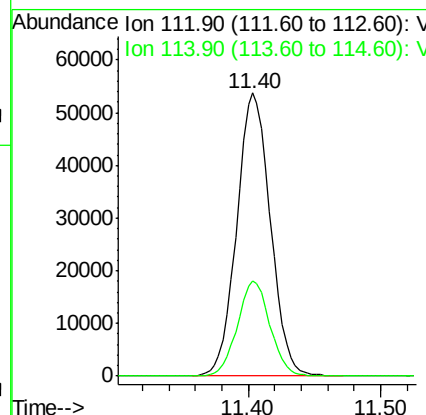
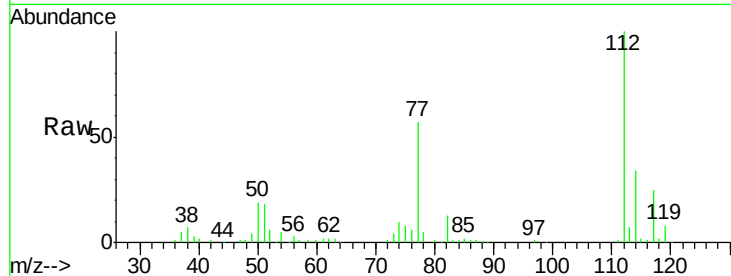
#65
Chlorobenzene
Concen: 19.193 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion:112 Resp: 94257
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.6

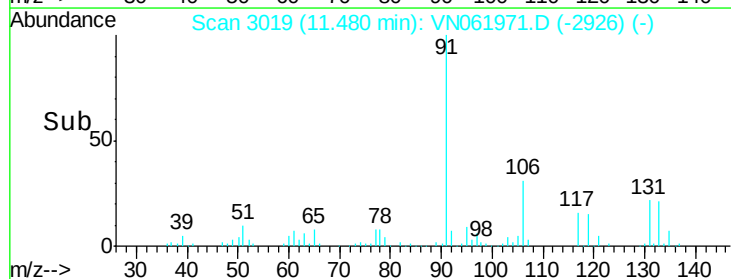
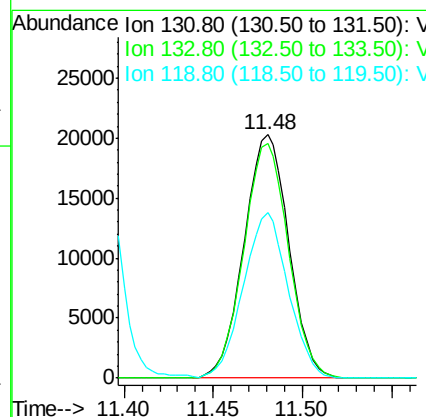
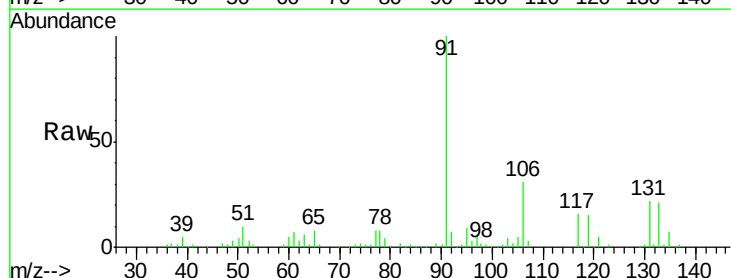
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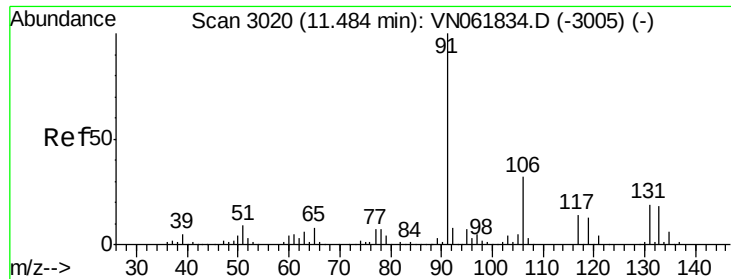
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.814 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion:131 Resp: 35650
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.5
119 68.0 34.0 101.8





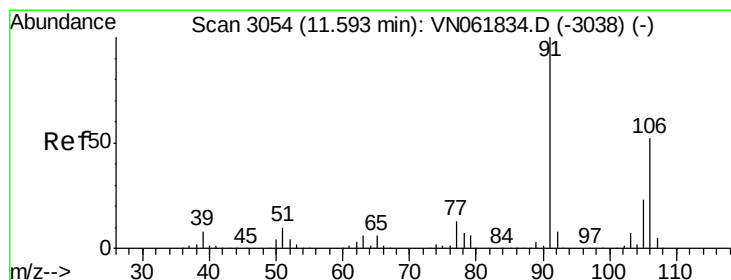
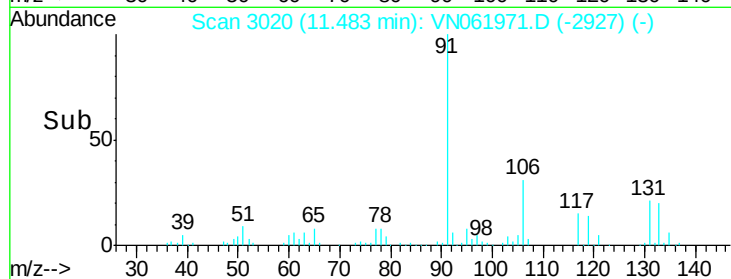
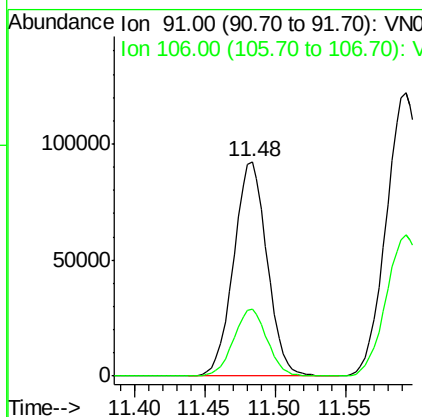
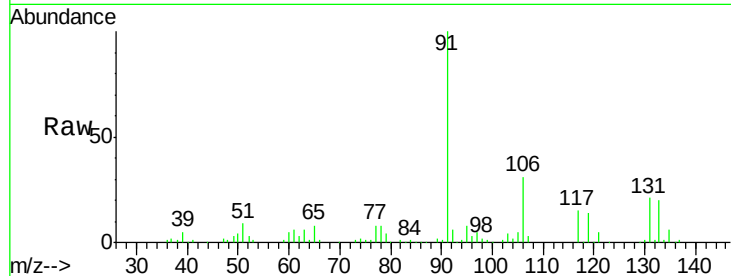
#67
Ethyl Benzene
Concen: 18.638 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion: 91 Resp: 153471
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2

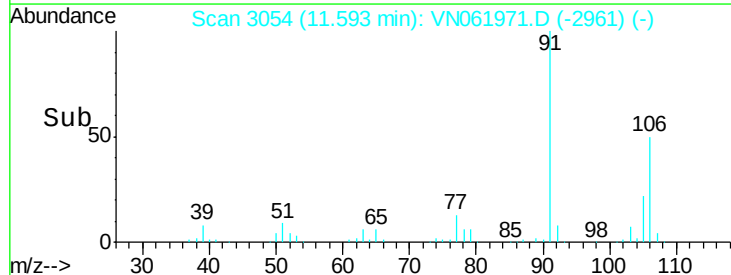
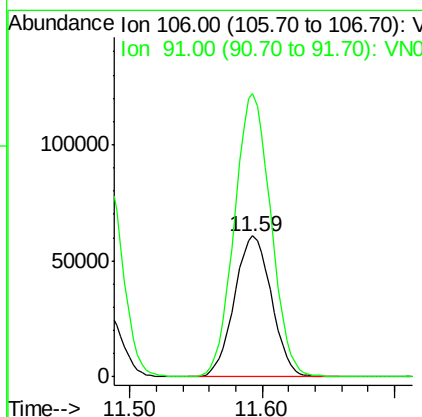
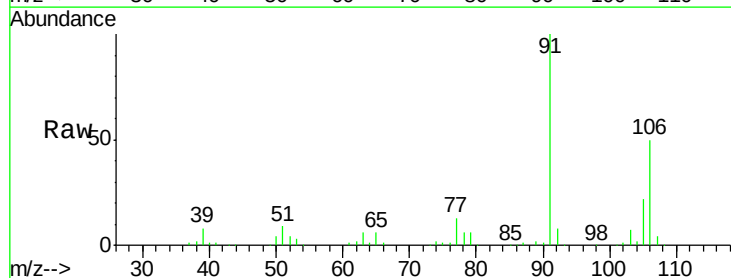
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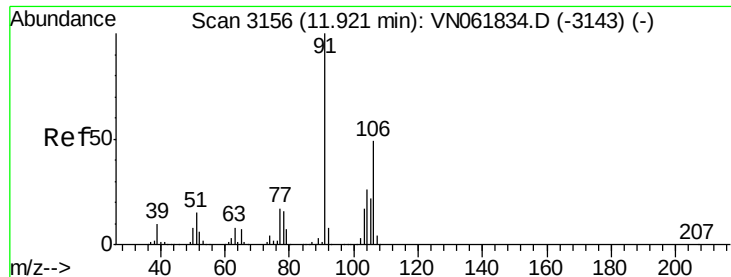
MMDadoda
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#68
m/p-Xylenes
Concen: 37.256 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion: 106 Resp: 118293
Ion Ratio Lower Upper
106 100
91 196.3 157.0 235.6





#69

o-Xylene

Concen: 19.043 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS02

Tot Ion:106 Resp: 57692

Ion Ratio Lower Upper

106 100

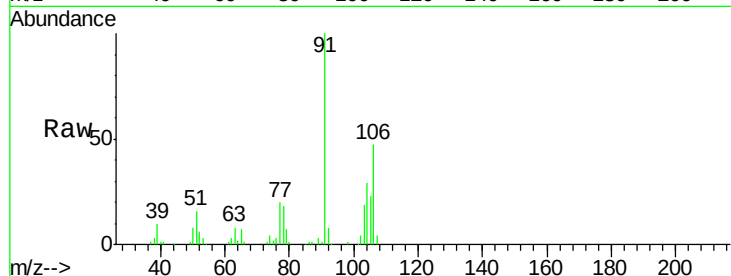
91 209.8 103.0 308.9

Manual Integrations

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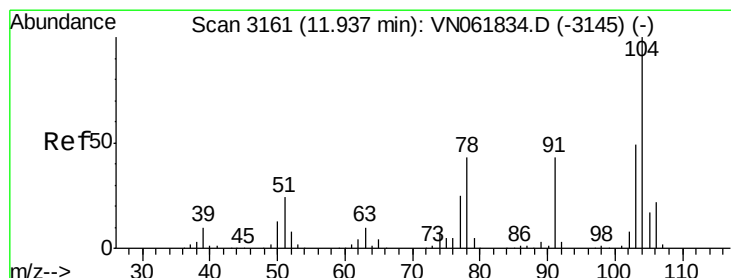
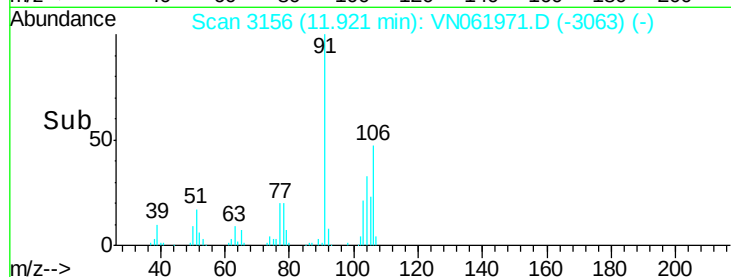
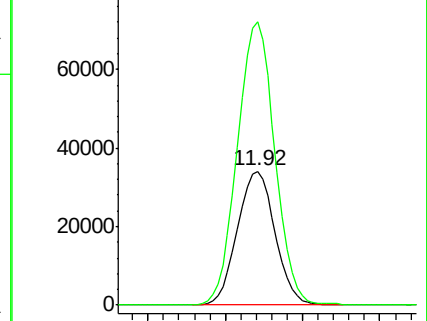
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.408 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

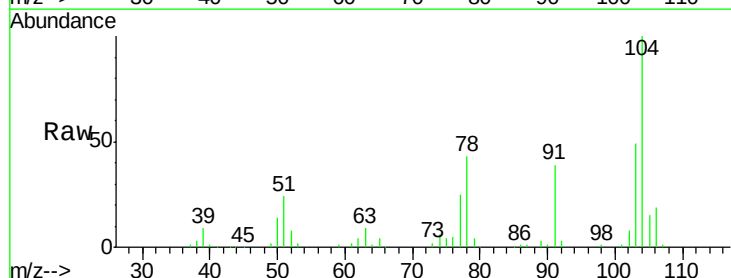
Tgt Ion:104 Resp: 98447

Ion Ratio Lower Upper

104 100

78 47.3 37.6 56.4

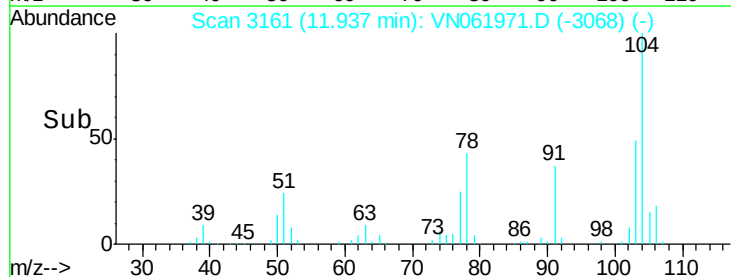
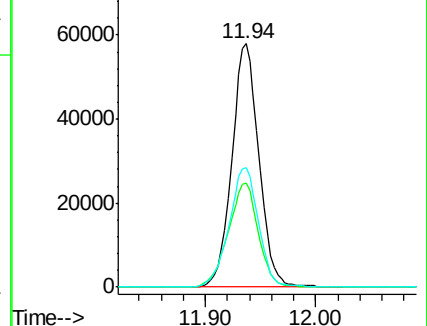
103 53.4 43.0 64.4

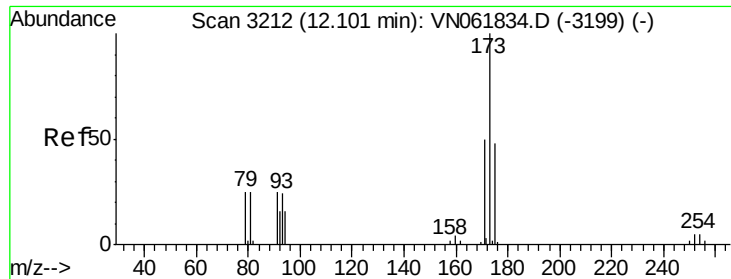


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.828 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

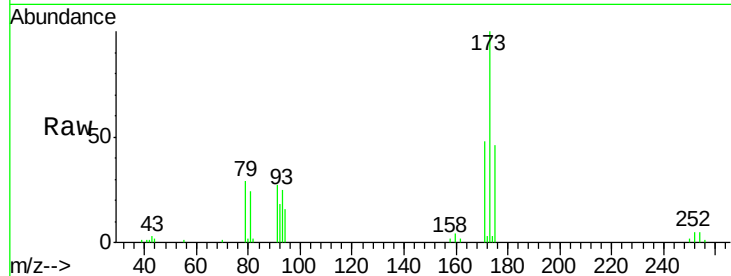
ClientSampled :

VN0619WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.9	71.7
254	0.0	0.0	0.0

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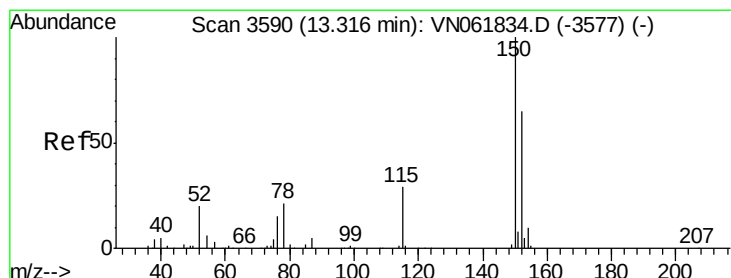
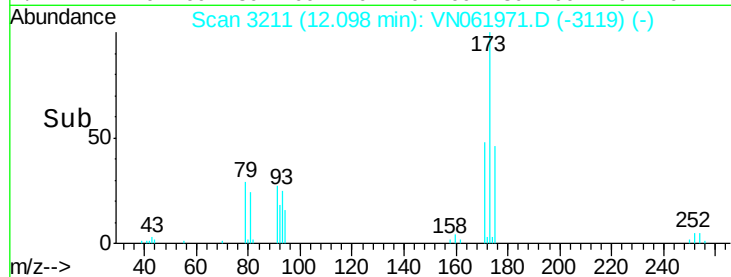
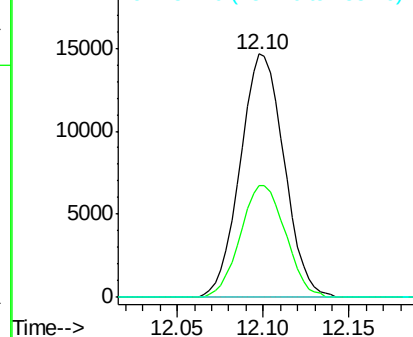


Abundance

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

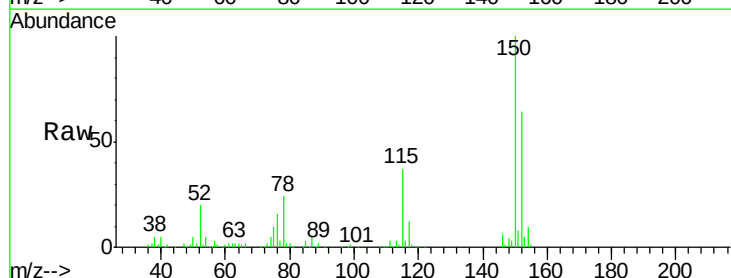
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.1	87.3
150	161.2	0.0	347.6

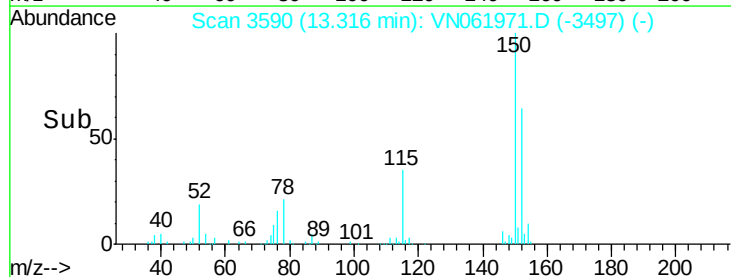
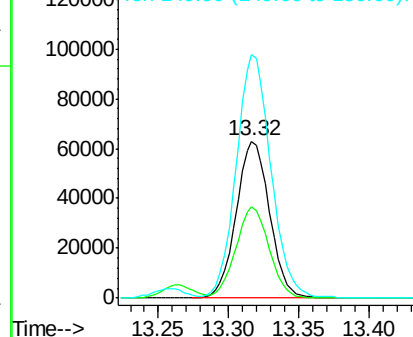


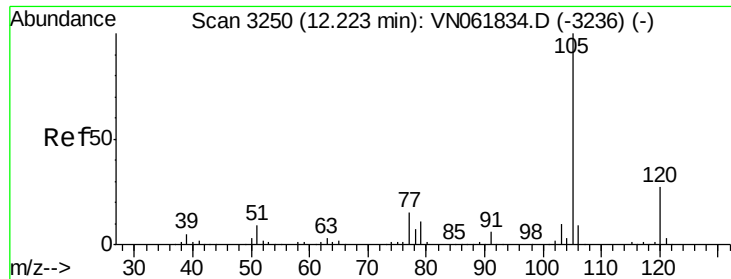
Abundance

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: 19.137 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS02

Tot Ion: 105 Resp: 141925

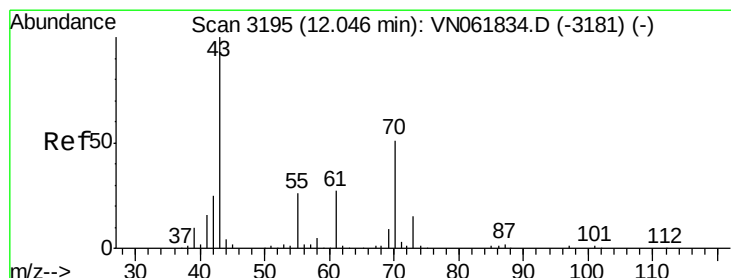
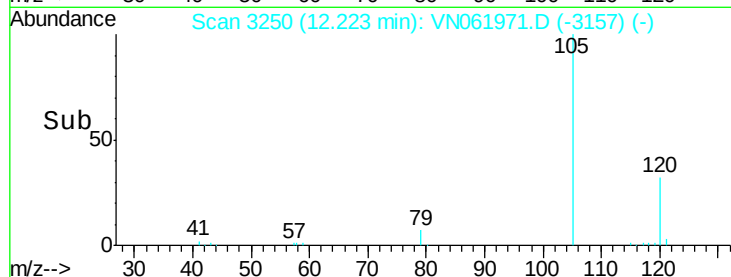
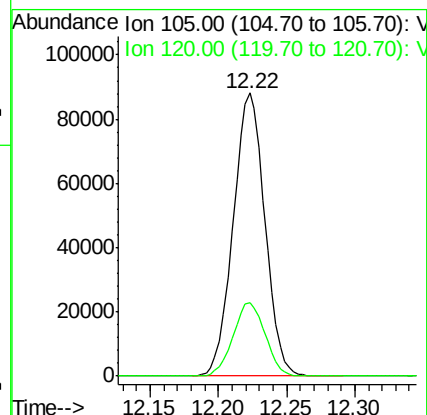
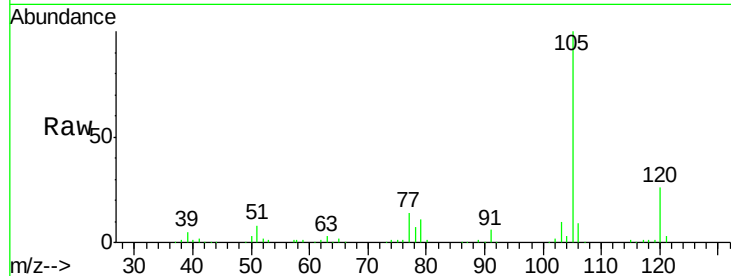
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 21.540 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Tgt Ion: 43 Resp: 52860

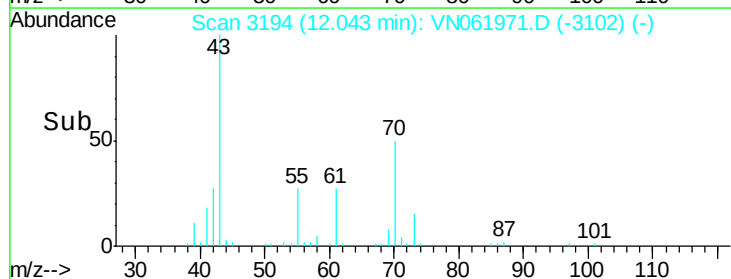
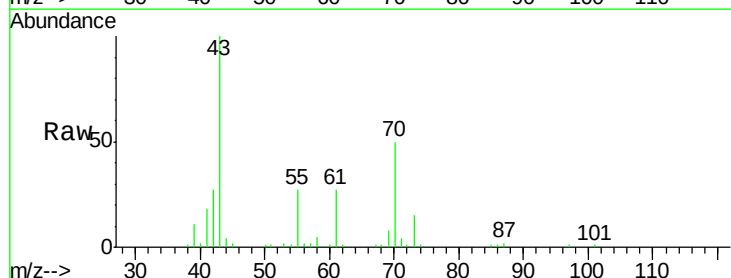
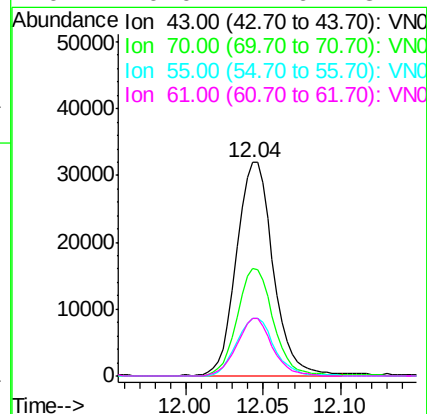
Ion Ratio Lower Upper

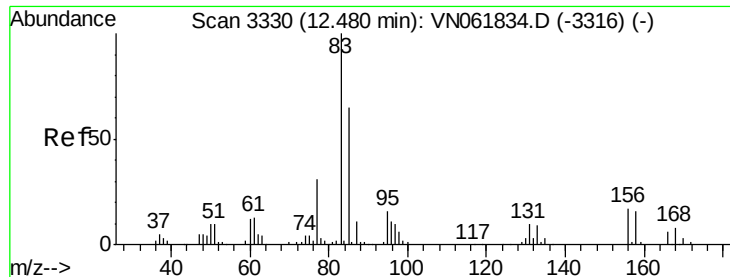
43 100

70 49.5 40.6 60.8

55 27.8 21.5 32.3

61 26.0 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.191 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

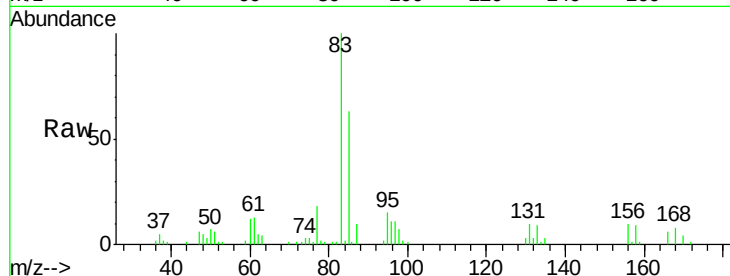
ClientSampleId :

VN0619WBS02

Tot Ion:	83	Resp:	53506
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	64.7	32.4	97.2

Manual Integrations
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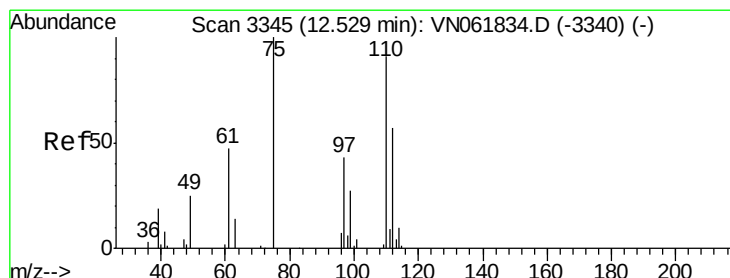
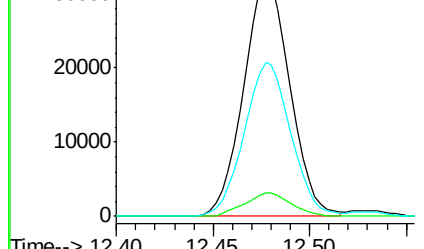
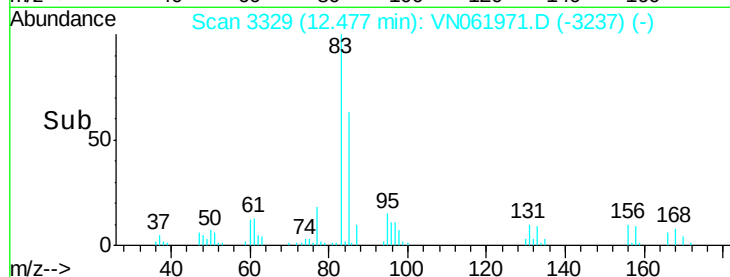


Abundance Ion 82.90 (82.60 to 83.60): VN061971.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061971.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061971.D (-3237) (-)

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 20.819 ug/l m

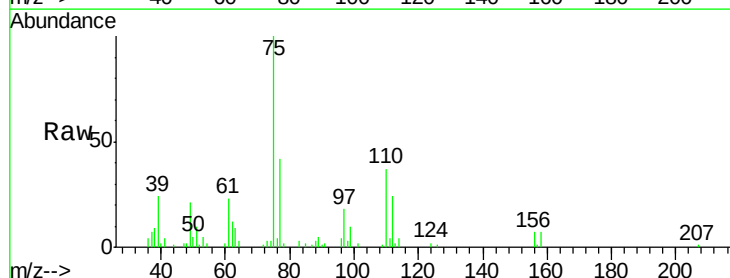
RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

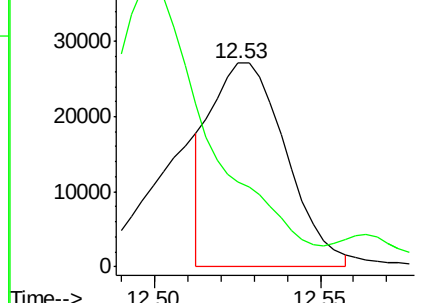
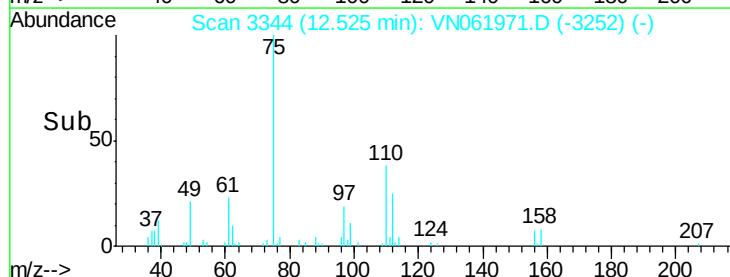
Tgt Ion:	75	Resp:	42657
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

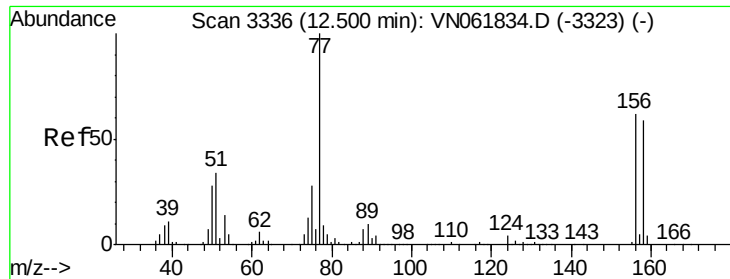


Abundance Ion 74.90 (74.60 to 75.60): VN061971.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061971.D (-3252) (-)

Time--> 12.50 12.55





#77

Bromobenzene

Concen: 20.994 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

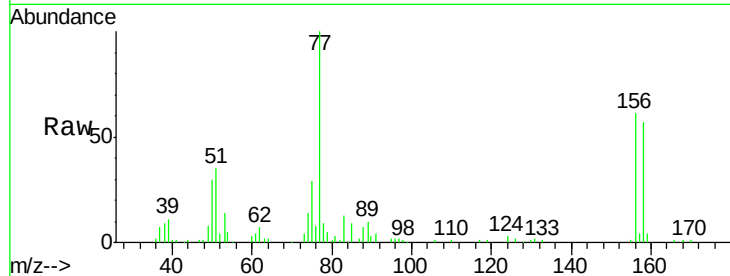
ClientSampleId :

VN0619WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	204.2	100.7	302.1
158	95.5	48.5	145.5

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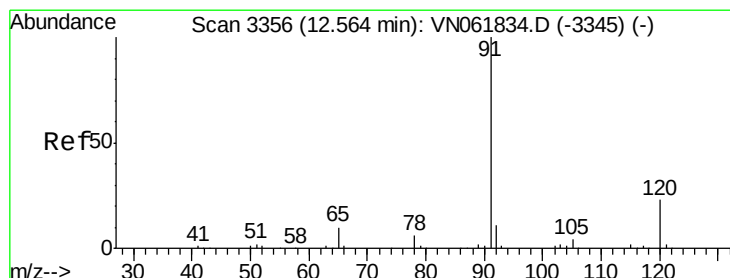
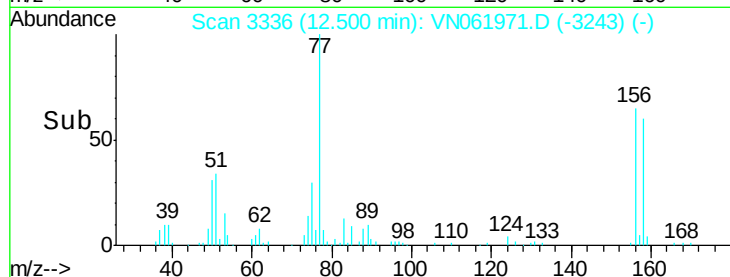
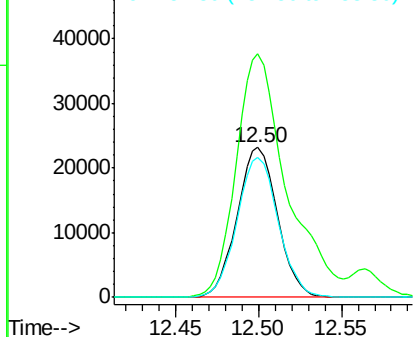
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.467 ug/l

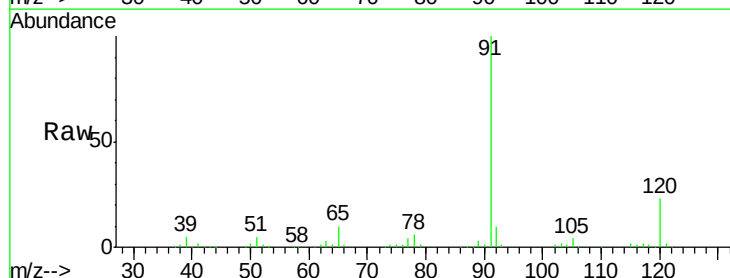
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061971.D

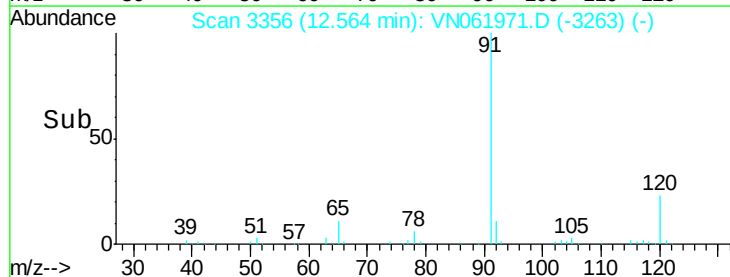
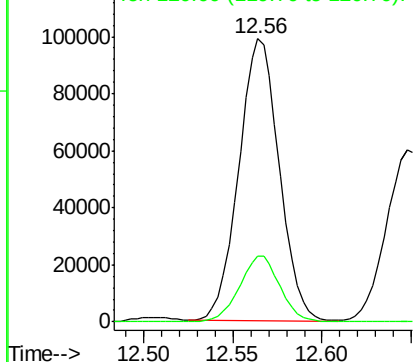
Acq: 20 Jun 2020 2:51

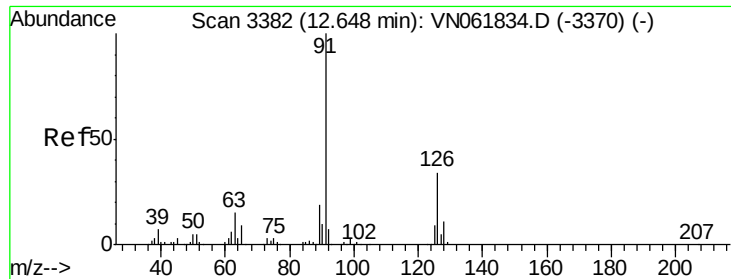
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





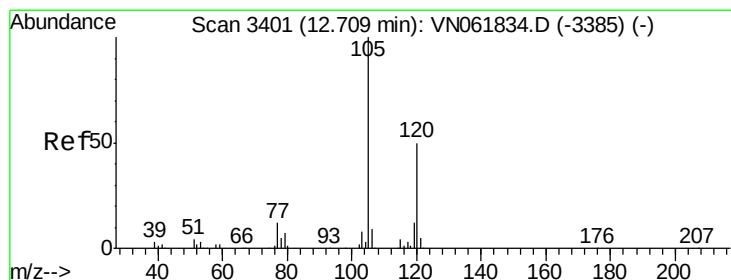
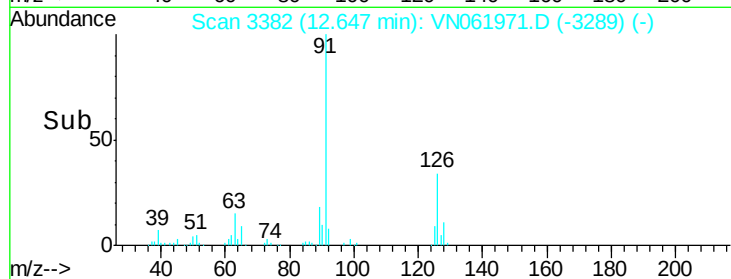
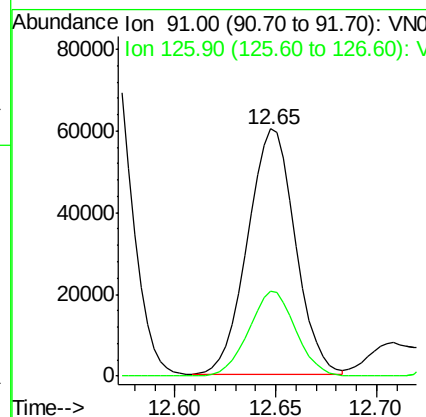
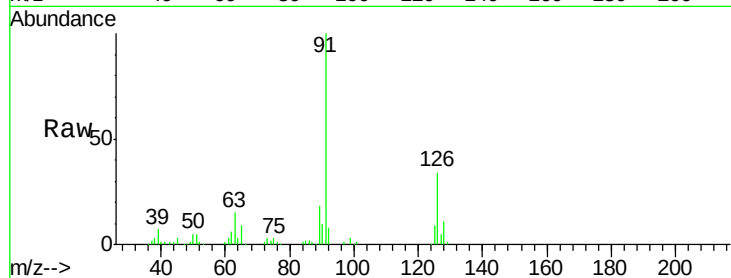
#79
 2-Chlorotoluene
 Concen: 19.635 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0619WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	51.7

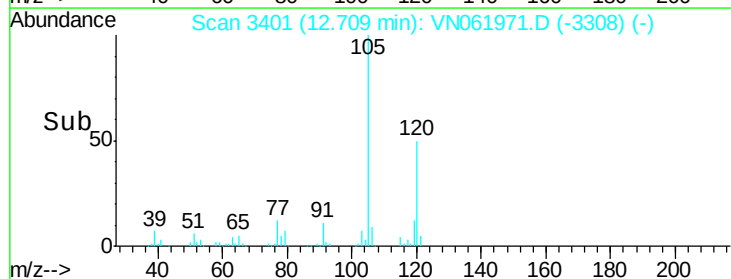
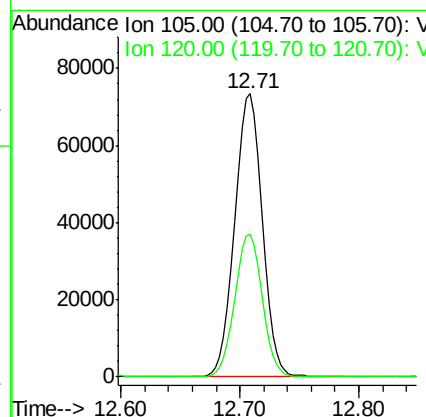
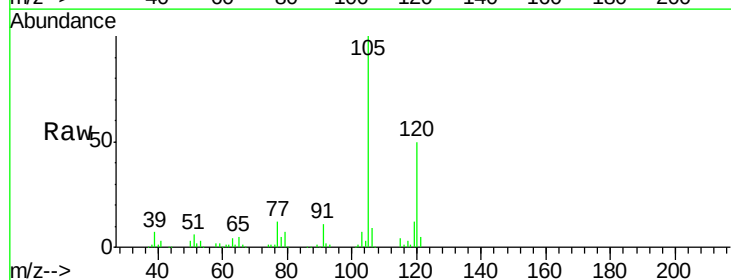
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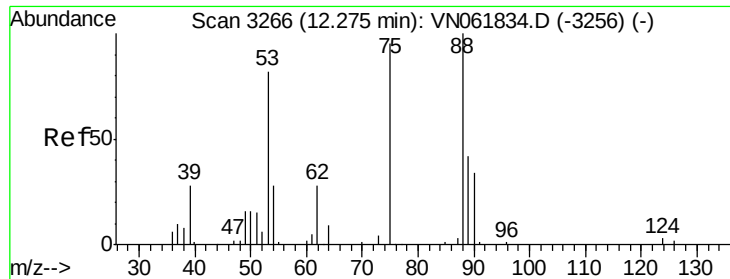
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.293 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.9	74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.840 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

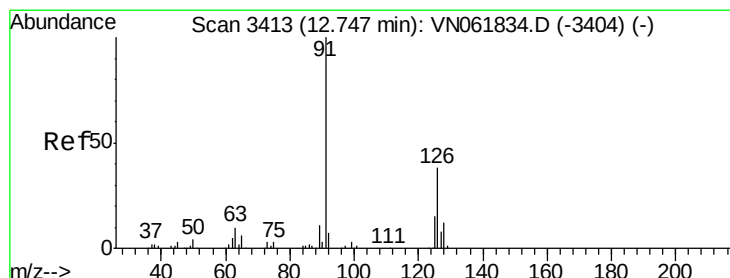
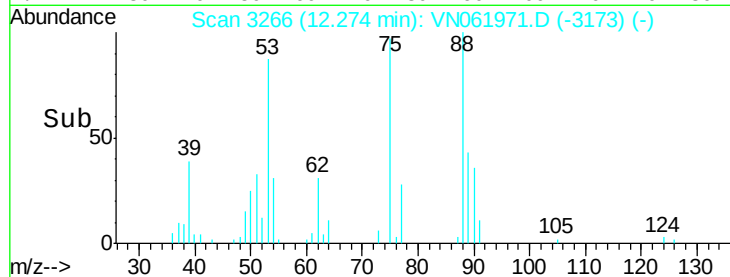
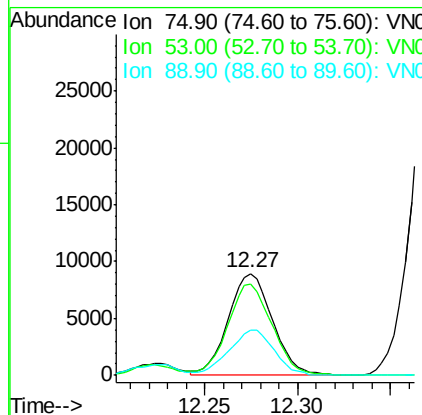
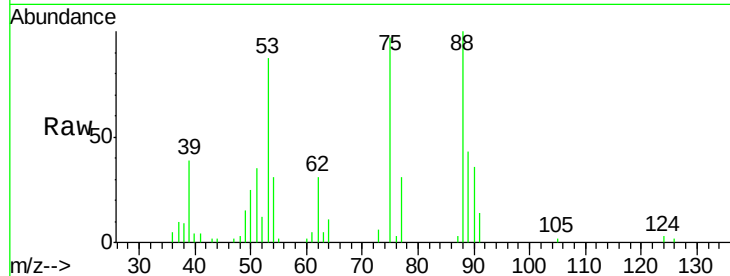
ClientSampled :

VN0619WBS02

Tot Ion:	75	Resp:	14904
Ion Ratio	Lower	Upper	
75	100		
53	90.2	70.4	105.6
89	45.3	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.117 ug/l

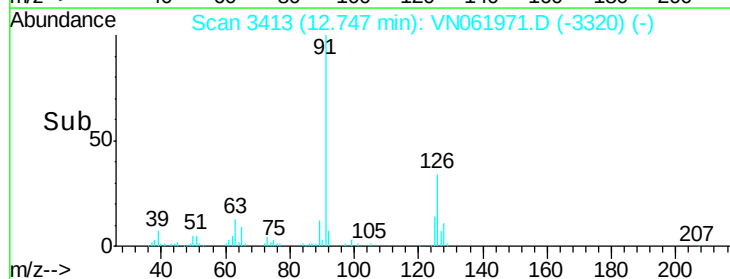
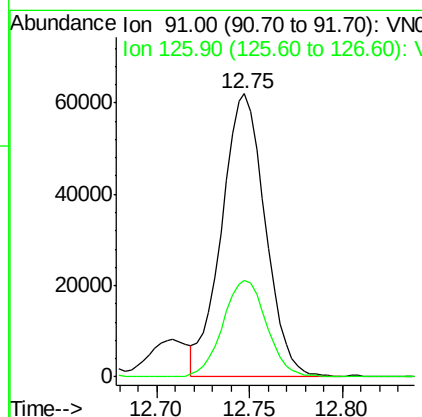
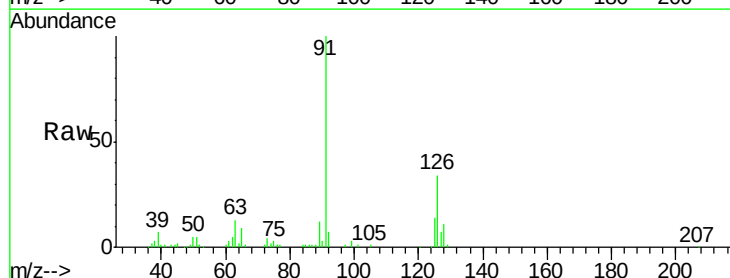
RT: 12.75 min Scan# 3413

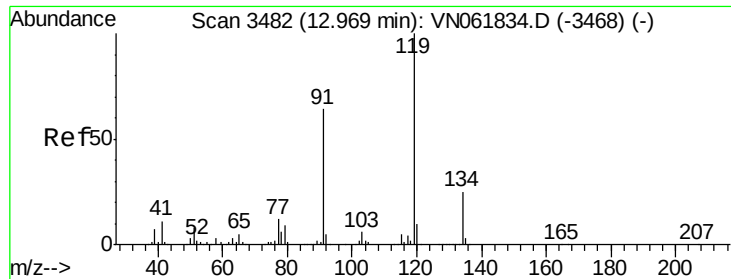
Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Tgt Ion:	91	Resp:	100394
Ion Ratio	Lower	Upper	
91	100		
126	34.6	17.2	51.6





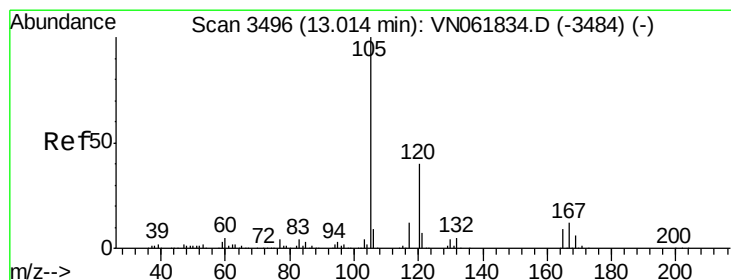
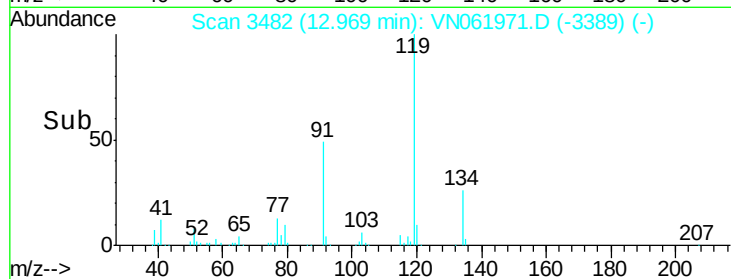
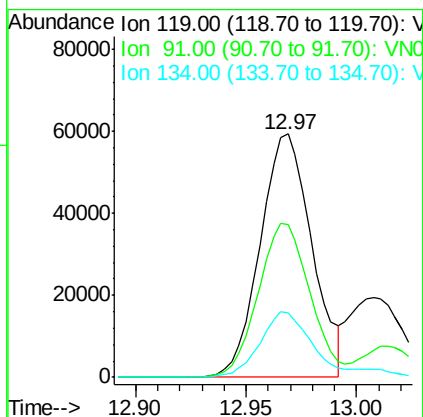
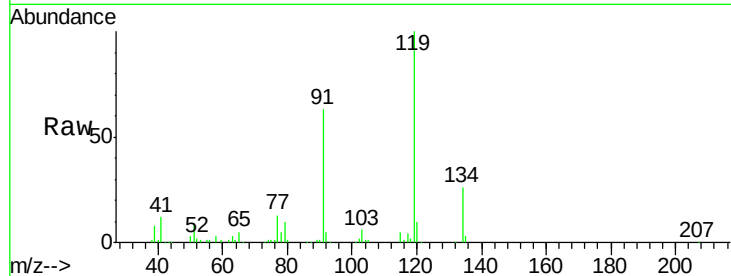
#83
tert-Butylbenzene
Concen: 18.574 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	96612		
91	63.4		31.5	94.5
134	29.2		13.3	39.9

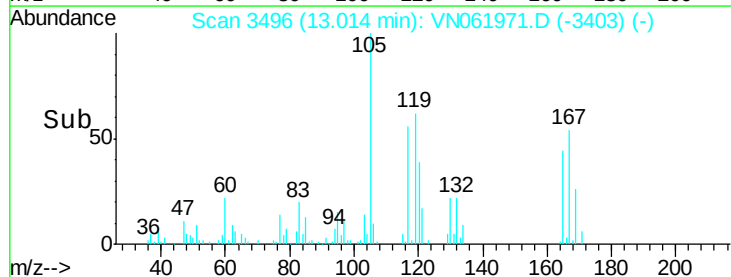
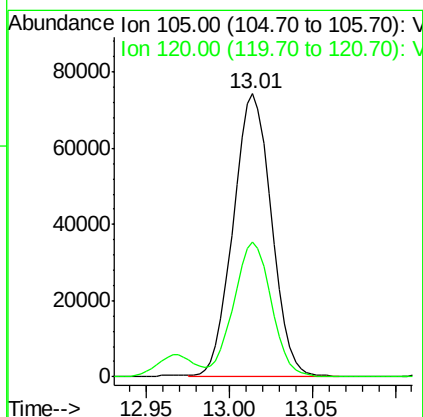
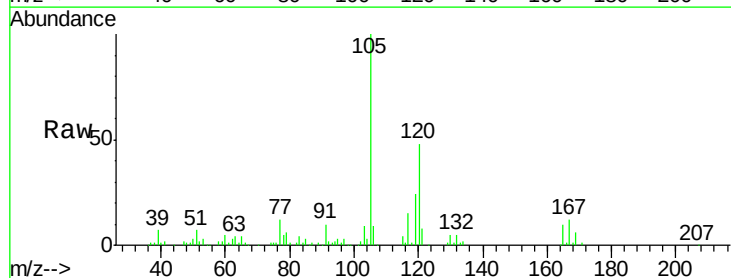
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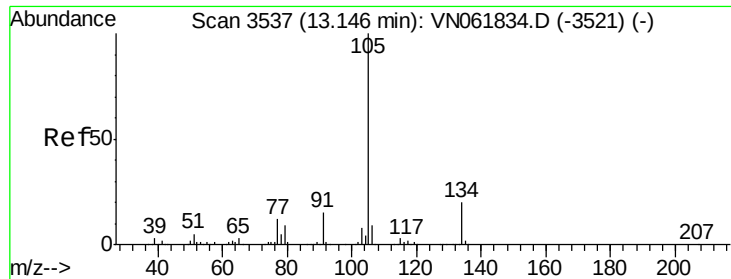
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#84
1,2,4-Trimethylbenzene
Concen: 19.553 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	118427		
120	47.5		23.3	69.9





#85

sec-Butylbenzene

Concen: 18.015 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS02

Tot Ion:105 Resp: 122653

Ion Ratio Lower Upper

105 100

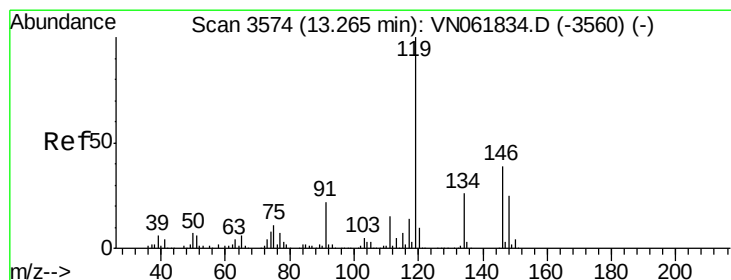
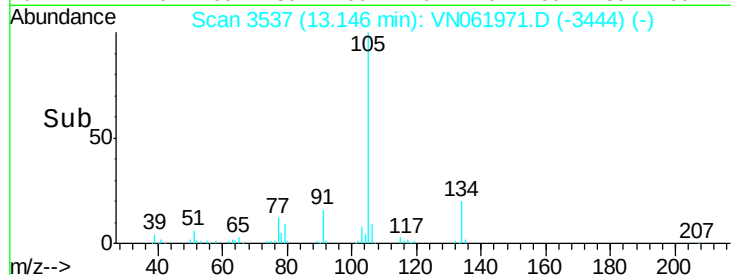
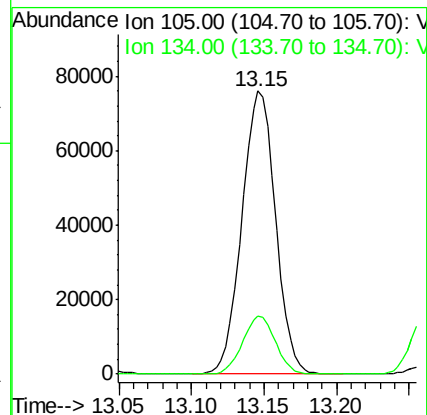
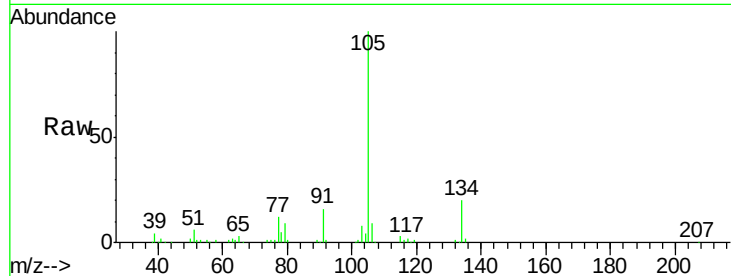
134 19.9 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 18.441 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

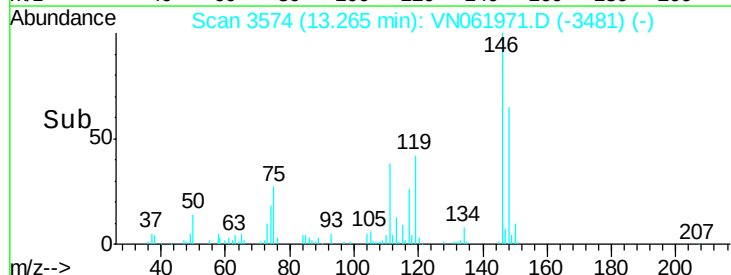
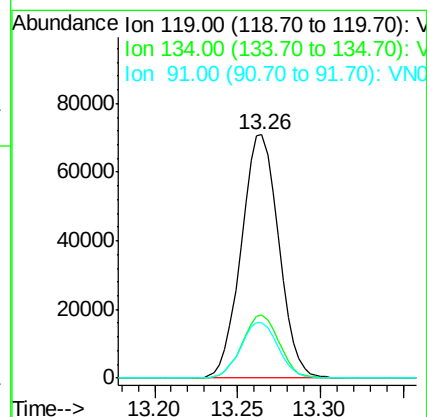
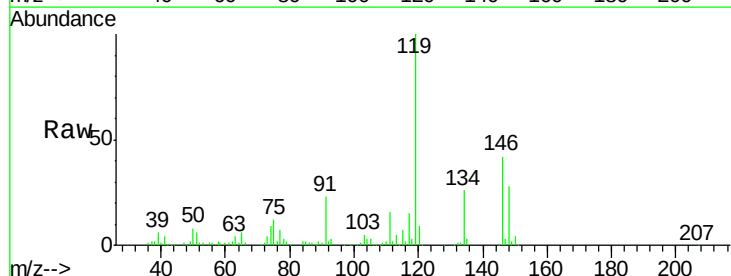
Tgt Ion:119 Resp: 111876

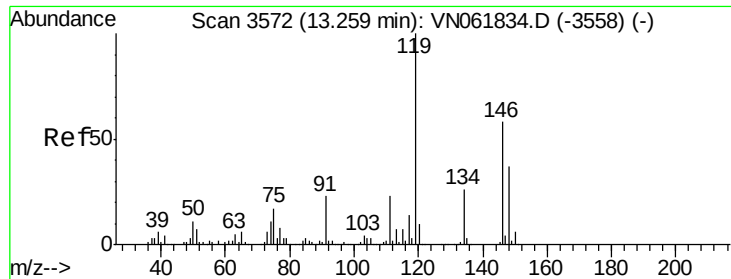
Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.9

91 23.0 11.2 33.6





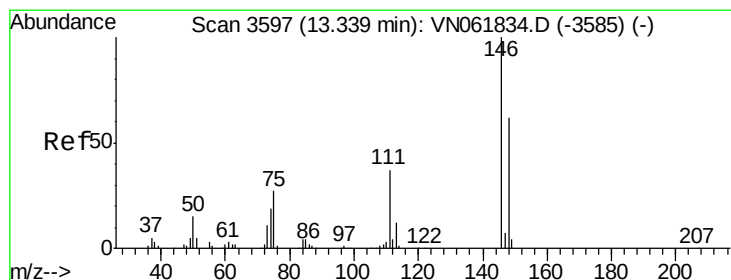
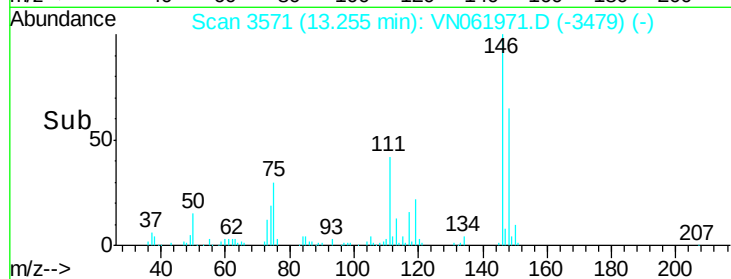
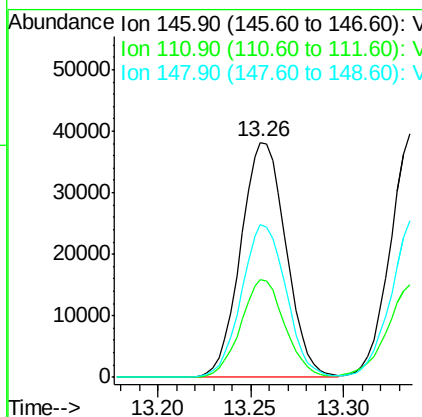
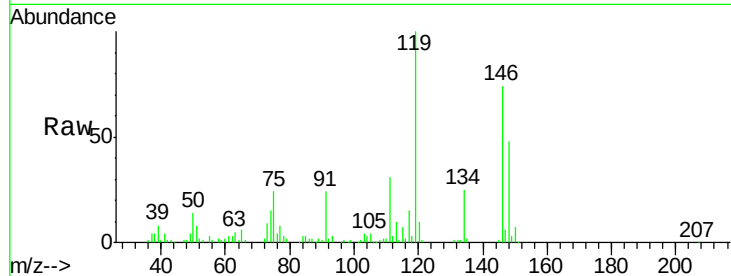
#87
 1,3-Dichlorobenzene
 Concen: 18.960 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.6	58.8
148	64.0	31.8	95.4

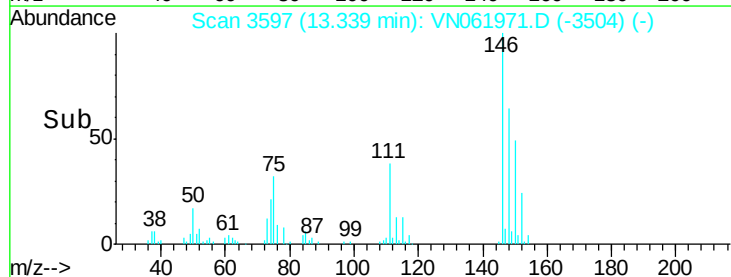
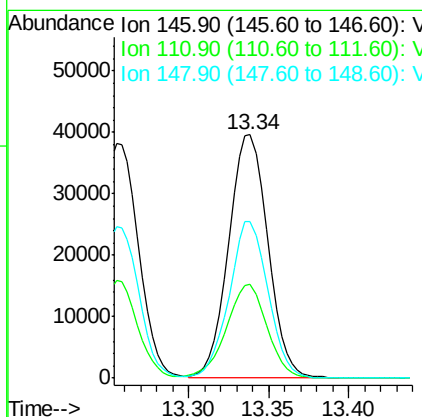
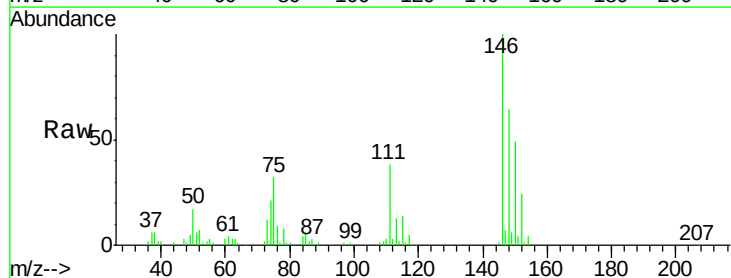
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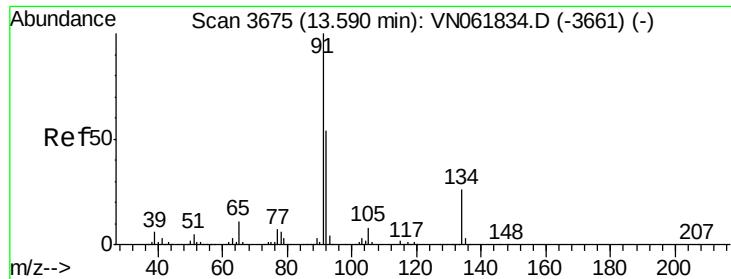
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#88
 1,4-Dichlorobenzene
 Concen: 19.021 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.8
148	63.7	31.6	94.7





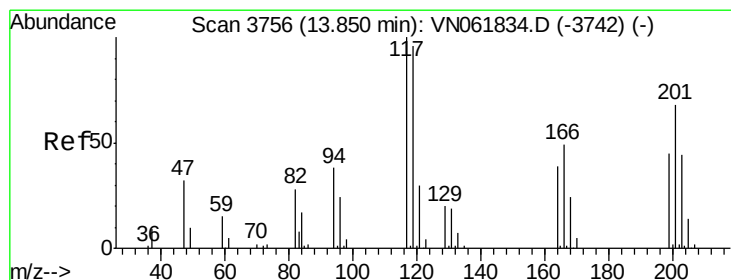
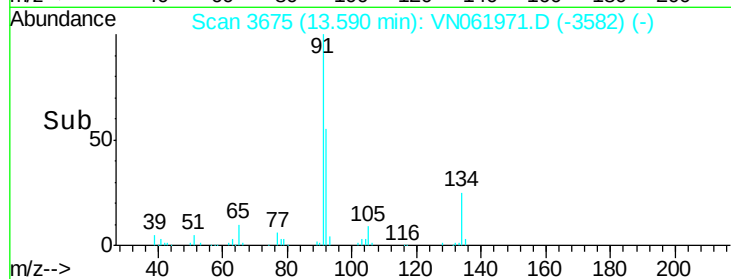
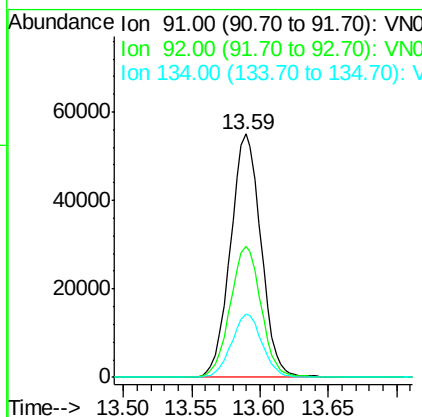
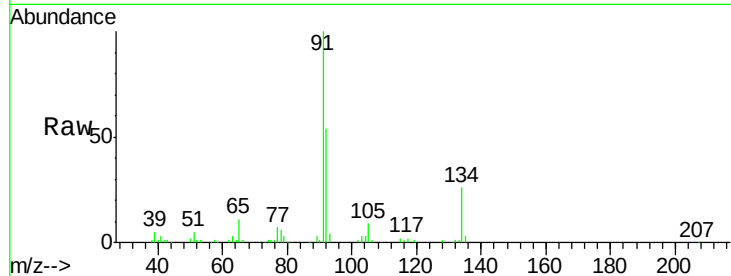
#89
n-Butylbenzene
Concen: 16.899 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.0	80.8
134	25.9	13.0	39.0

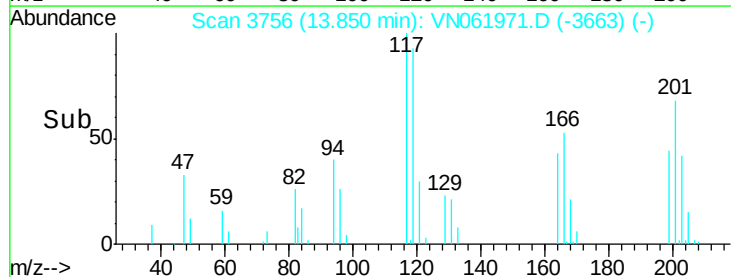
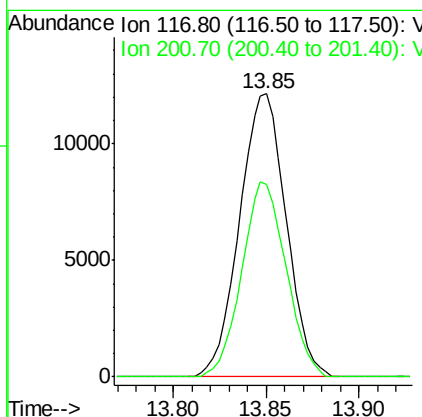
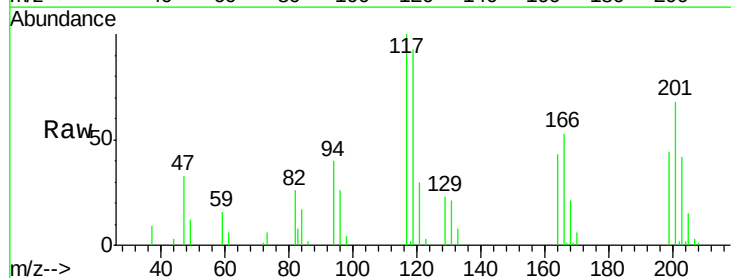
Manual Integrations
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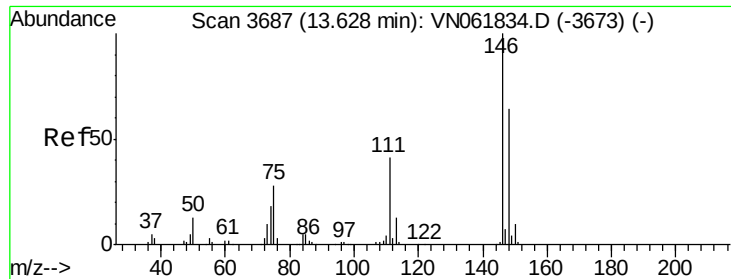
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#90
Hexachloroethane
Concen: 19.081 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061971.D
Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.4	34.6	103.8





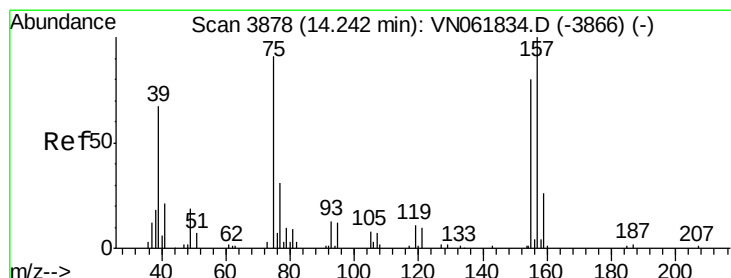
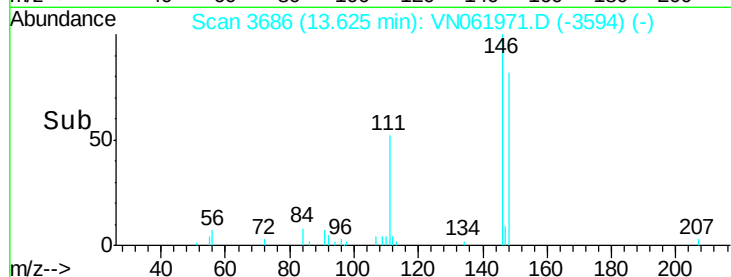
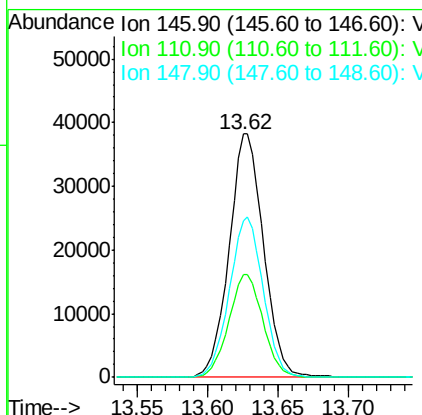
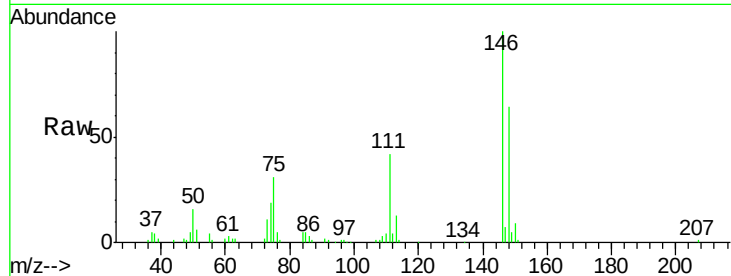
#91
 1,2-Dichlorobenzene
 Concen: 19.844 ug/l
 RT: 13.62 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.2
148	64.4	31.8	95.4

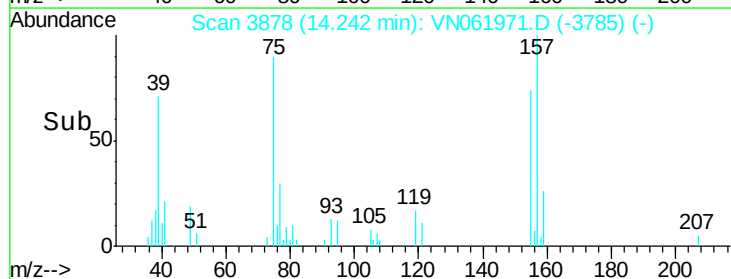
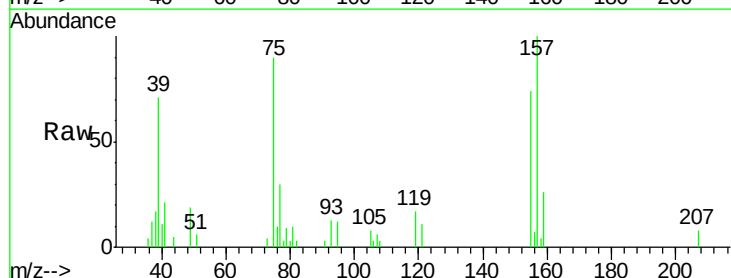
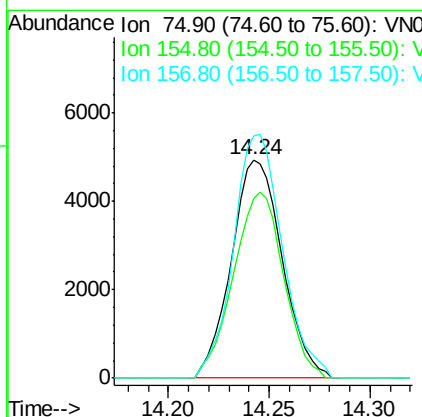
Manual Integrations
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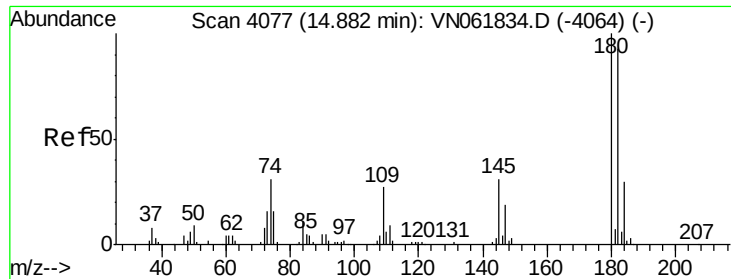
MMDadoda
 6/22/2020 10:30:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.231 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	44.4	133.2
157	107.7	57.0	171.2





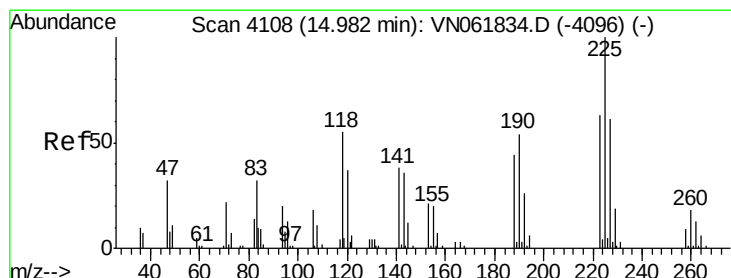
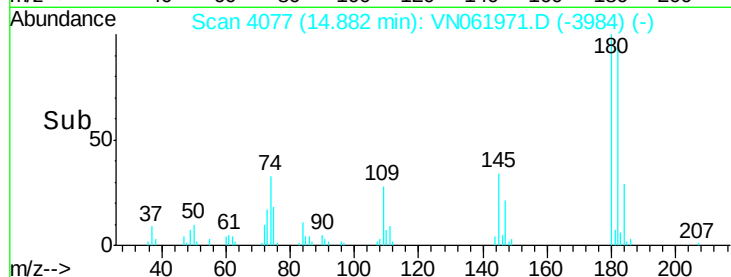
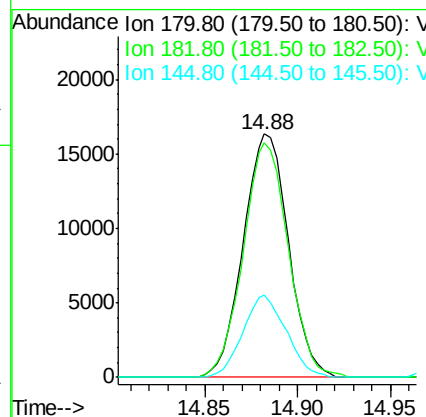
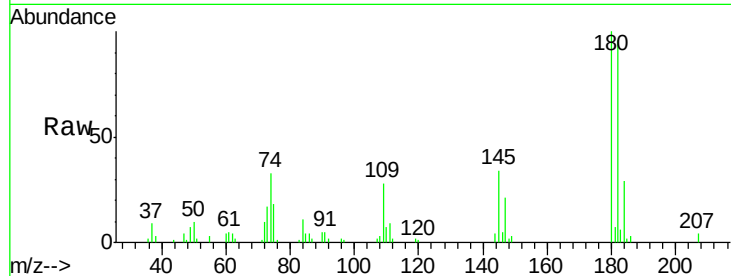
#93
 1,2,4-Trichlorobenzene
 Concen: 17.920 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27780		
182	96.0	47.0	141.2	
145	32.4	15.8	47.3	

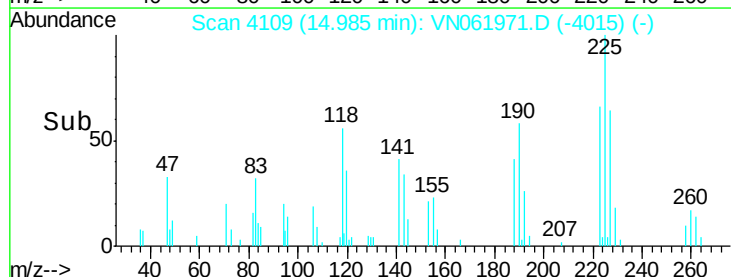
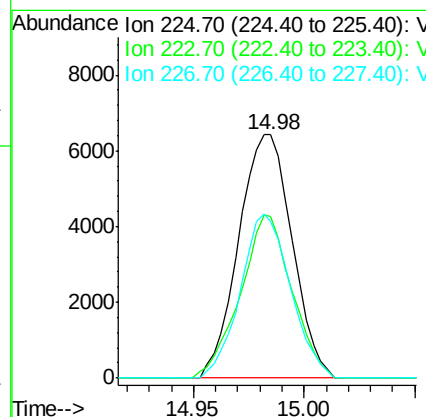
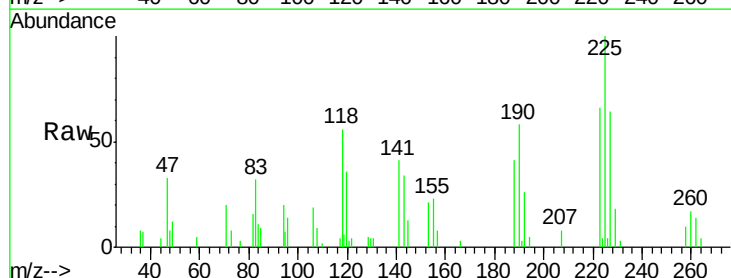
Manual Integrations
 APPROVED

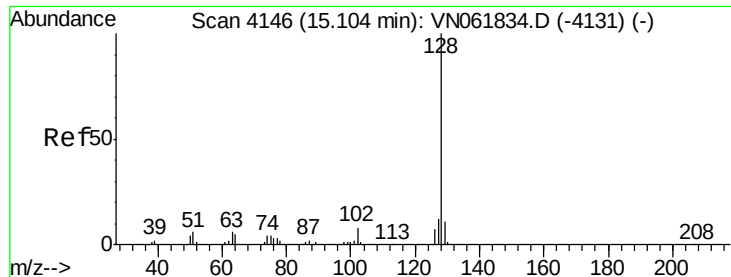
MMDadoda
 6/22/2020 10:30:08 AM



#94
 Hexachlorobutadiene
 Concen: 17.659 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061971.D
 Acq: 20 Jun 2020 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	10782		
223	64.5	31.7	95.1	
227	63.2	30.1	90.3	





#95

Naphthalene

Concen: 19.294 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Instrument :

MSVOA_N

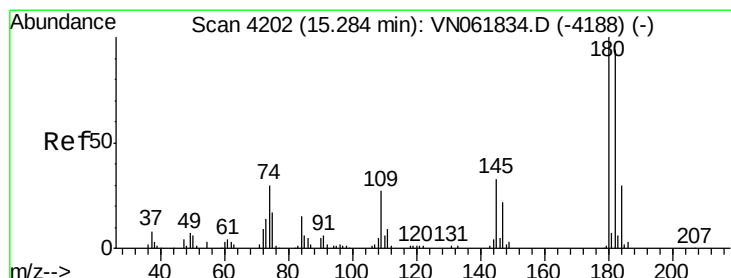
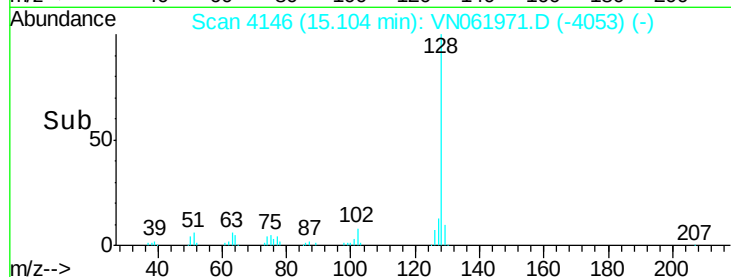
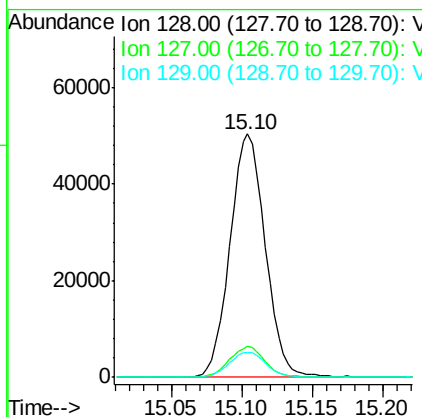
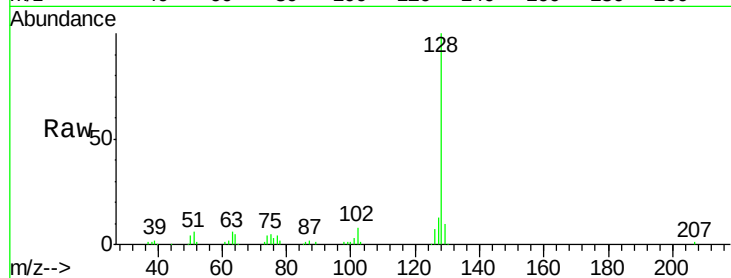
ClientSampleId :

VN0619WBS02

Tot Ion:	128	Resp:	88223
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/22/2020 10:30:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.496 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061971.D

Acq: 20 Jun 2020 2:51

Tgt Ion:	180	Resp:	29932
Ion Ratio	Lower	Upper	
180	100		
182	89.5	47.9	143.6
145	31.9	16.5	49.5

