

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061353.D
 Acq On : 8 May 2020 11:53
 Operator : JC/MD
 Sample : VN0508WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 12:36:37 PM

Quant Time: May 11 01:30:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	94762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	160748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	149939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	69230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	79659	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	7.54	113	44187	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	10.06	98	200138	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.38	95	73810	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	18430	18.341	ug/l	99
3) Chloromethane	2.03	50	24492	20.124	ug/l	99
4) Vinyl Chloride	2.16	62	26785	19.377	ug/l	99
5) Bromomethane	2.53	94	11568	16.930	ug/l	100
6) Chloroethane	2.67	64	16455	18.781	ug/l	100
7) Trichlorofluoromethane	2.98	101	34919	22.391	ug/l	99
8) Diethyl Ether	3.37	74	14747	22.670	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	20735	20.638	ug/l	99
10) Methyl Iodide	3.91	142	21545	16.686	ug/l	99
11) Tert butyl alcohol	4.72	59	24437	121.662	ug/l	97
12) 1,1-Dichloroethene	3.69	96	19442	19.446	ug/l	97
13) Acrolein	3.56	56	13053	97.517	ug/l	96
14) Allyl chloride	4.27	41	42201	22.764	ug/l	98
15) Acrylonitrile	4.92	53	68372	110.888	ug/l	100
16) Acetone	3.77	43	65286	109.476	ug/l	97
17) Carbon Disulfide	4.01	76	40040	14.498	ug/l	100
18) Methyl Acetate	4.27	43	38886	20.945	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	79343	20.768	ug/l	98
20) Methylene Chloride	4.50	84	23622	20.204	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	20903	19.200	ug/l	98
22) Diisopropyl ether	5.90	45	90545	21.062	ug/l	99
23) Vinyl Acetate	5.84	43	362840	104.825	ug/l	99
24) 1,1-Dichloroethane	5.79	63	45412	20.218	ug/l	100
25) 2-Butanone	6.78	43	96427	108.680	ug/l	99
26) 2,2-Dichloropropane	6.77	77	39005	20.617	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	24850	19.450	ug/l	97
28) Bromochloromethane	7.14	49	22378	21.020	ug/l	98
29) Tetrahydrofuran	7.16	42	64424	107.791	ug/l	98
30) Chloroform	7.32	83	44709	19.642	ug/l	98
31) Cyclohexane	7.61	56	37542	17.211	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	38132	19.238	ug/l	98
36) 1,1-Dichloropropene	7.75	75	31236	19.411	ug/l	98
37) Ethyl Acetate	6.88	43	41123	21.799	ug/l	100
38) Carbon Tetrachloride	7.73	117	28192	20.611	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	29880	16.557	ug/l	99
40) Benzene	8.00	78	95561	19.933	ug/l	100
41) Methacrylonitrile	7.13	41	16738m	21.370	ug/l	
42) 1,2-Dichloroethane	8.08	62	39266	21.620	ug/l	99
43) Isopropyl Acetate	8.12	43	65880	21.042	ug/l	99
44) Trichloroethene	8.80	130	23629	18.233	ug/l	99
45) 1,2-Dichloropropane	9.08	63	26983	21.068	ug/l	99
46) Dibromomethane	9.17	93	16461	20.757	ug/l	97
47) Bromodichloromethane	9.37	83	35992	21.145	ug/l	99
48) Methyl methacrylate	9.17	41	30104	21.308	ug/l	96
49) 1,4-Dioxane	9.17	88	7126	444.351	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	203926	110.658	ug/l	99
52) Toluene	10.12	92	57104	19.775	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	38697	20.176	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	41131	20.285	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	23913	20.762	ug/l	98
56) Ethyl methacrylate	10.40	69	35584	19.489	ug/l	97
57) 1,3-Dichloropropane	10.68	76	42670	21.076	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	91316	97.946	ug/l	98
59) 2-Hexanone	10.72	43	145780	108.734	ug/l	98
60) Dibromochloromethane	10.87	129	25095	20.803	ug/l	97
61) 1,2-Dibromoethane	10.98	107	23632	20.471	ug/l	99
64) Tetrachloroethene	10.60	164	22765	17.530	ug/l	99
65) Chlorobenzene	11.40	112	59623	20.046	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	22013	20.679	ug/l	99
67) Ethyl Benzene	11.48	91	107189	19.251	ug/l	100
68) m/p-Xylenes	11.59	106	78540	38.538	ug/l	99
69) o-Xylene	11.92	106	36468	18.629	ug/l	95
70) Styrene	11.94	104	63816	19.477	ug/l	99
71) Bromoform	12.10	173	16665	21.301	ug/l #	98
73) Isopropylbenzene	12.22	105	100272	19.702	ug/l	99
74) N-amyl acetate	12.04	43	52767	20.475	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	35339	22.268	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	34749m	23.808	ug/l	
77) Bromobenzene	12.50	156	24381	20.752	ug/l	98
78) n-propylbenzene	12.57	91	120016	19.881	ug/l	100
79) 2-Chlorotoluene	12.65	91	71754	20.223	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	84713	20.111	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	12032	20.934	ug/l	96
82) 4-Chlorotoluene	12.75	91	75969	20.314	ug/l	99
83) tert-Butylbenzene	12.97	119	67206	18.921	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	84643	19.504	ug/l	100
85) sec-Butylbenzene	13.15	105	92112	19.022	ug/l	99
86) p-Isopropyltoluene	13.26	119	81490	18.677	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	43031	19.896	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	43802	19.821	ug/l	98
89) n-Butylbenzene	13.59	91	72222	18.056	ug/l	99
90) Hexachloroethane	13.85	117	10787	27.714	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	41805	20.159	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7351	21.933	ug/l	94

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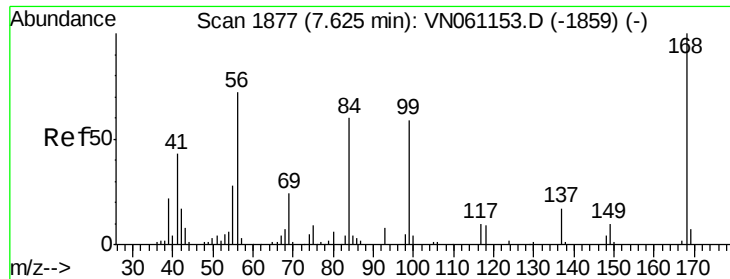
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	23299	18.450	ug/l	99
94) Hexachlorobutadiene	14.99	225	10882	20.626	ug/l	96
95) Naphthalene	15.11	128	74384	18.086	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	23508	18.855	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

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ClientSampleId :

VN0508WBSD01

Tot Ion:168 Resp: 94762

Ion Ratio Lower Upper

168 100

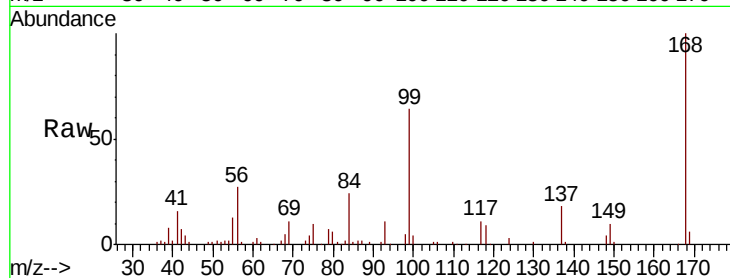
99 64.1 51.2 76.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

40000

30000

20000

10000

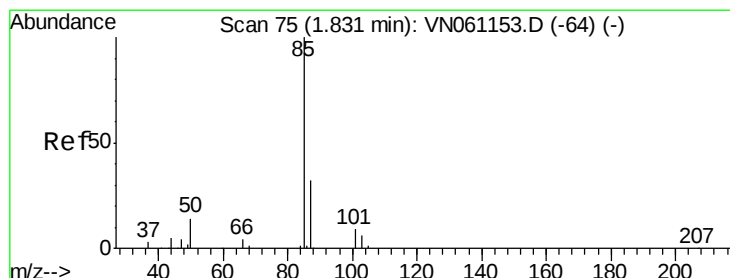
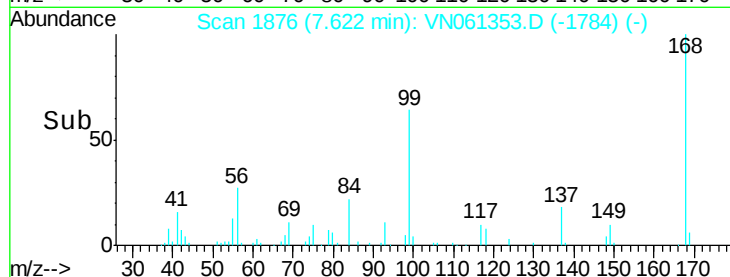
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.341 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061353.D

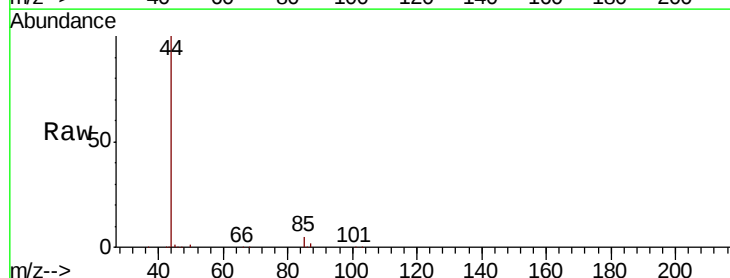
Acq: 8 May 2020 11:53

Tgt Ion: 85 Resp: 18430

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

15000

10000

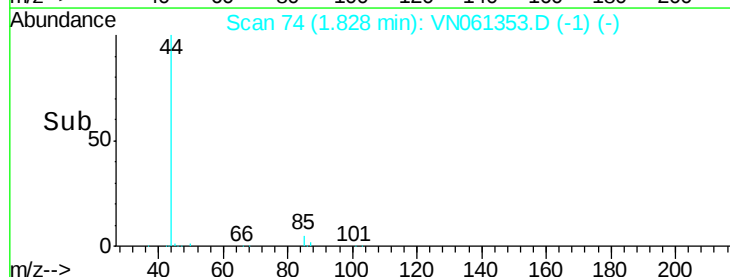
5000

0

1.80

1.85

Time-->





#3

Chloromethane

Concen: 20.124 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBSD01

Tot Ion: 50 Resp: 24492

Ion Ratio Lower Upper

50 100

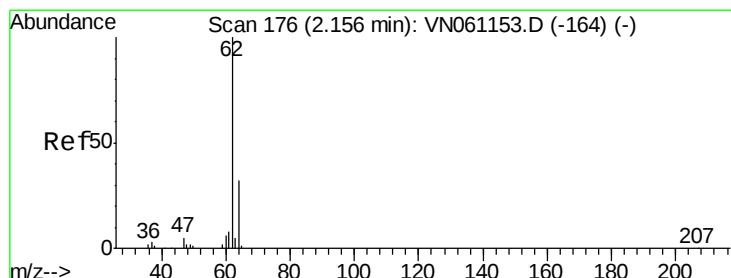
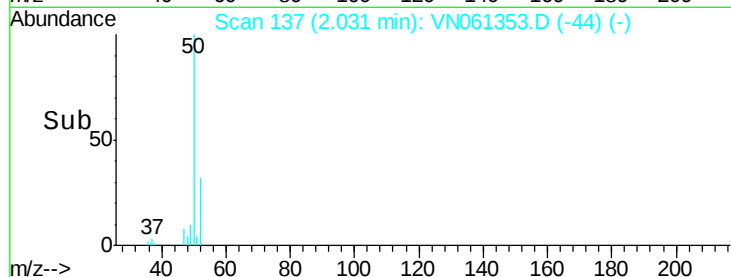
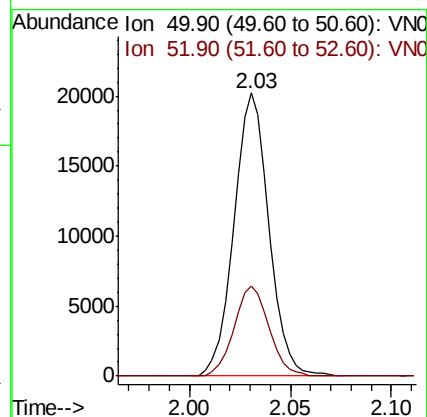
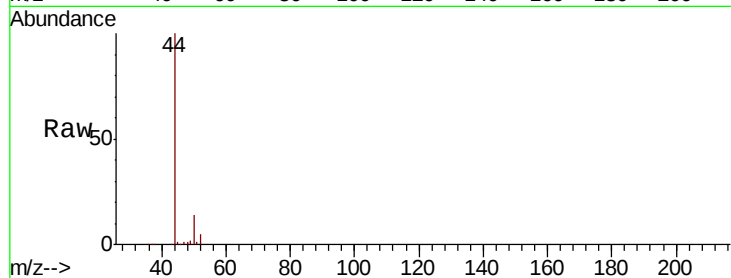
52 31.9 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.377 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061353.D

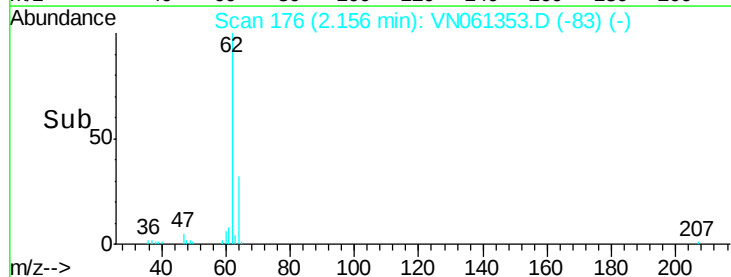
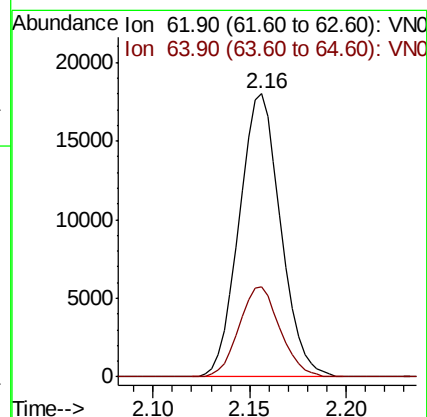
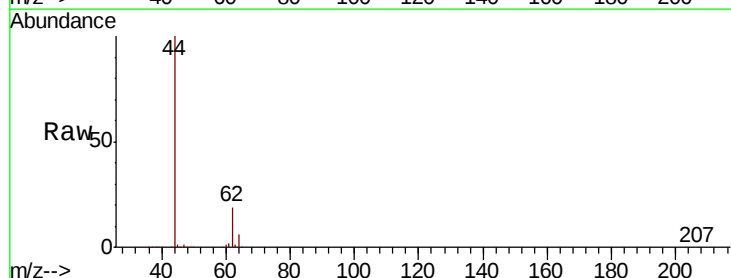
Acq: 8 May 2020 11:53

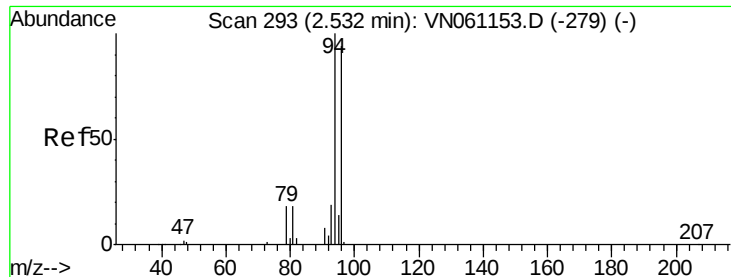
Tgt Ion: 62 Resp: 26785

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 16.930 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBSD01

Tot Ion: 94 Resp: 11568

Ion Ratio Lower Upper

94 100

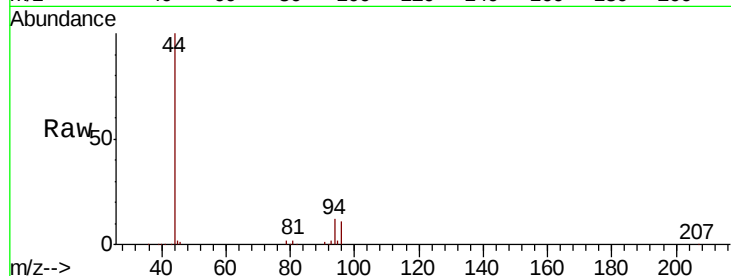
96 94.2 75.1 112.7

Manual Integrations

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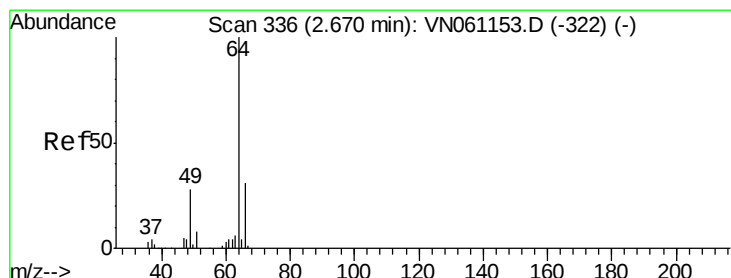
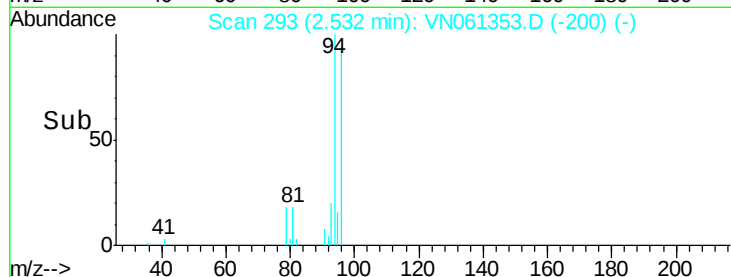
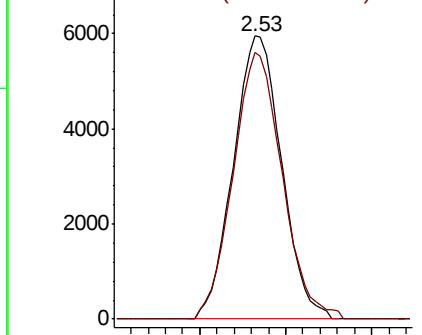
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.781 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061353.D

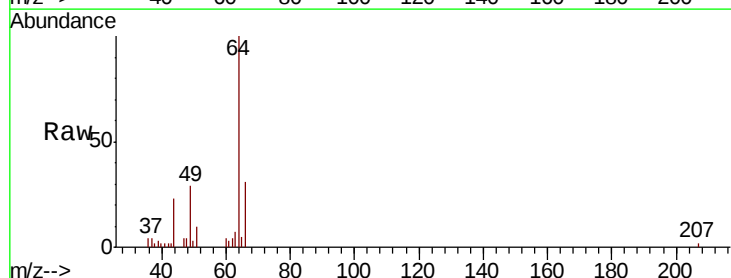
Acq: 8 May 2020 11:53

Tgt Ion: 64 Resp: 16455

Ion Ratio Lower Upper

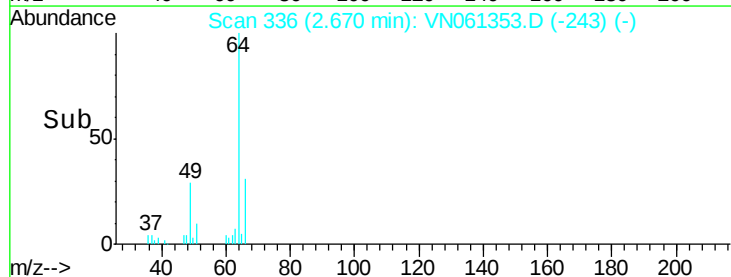
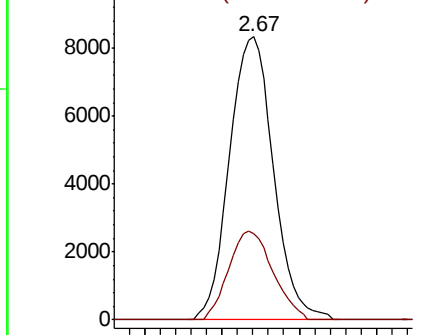
64 100

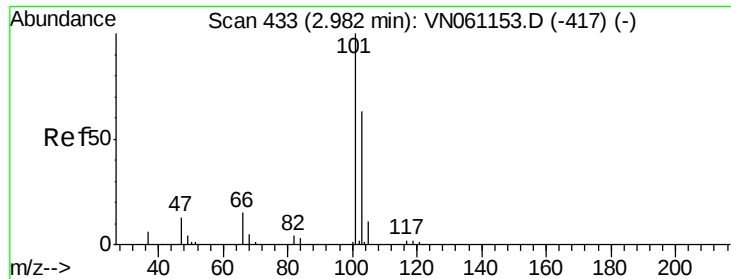
66 30.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

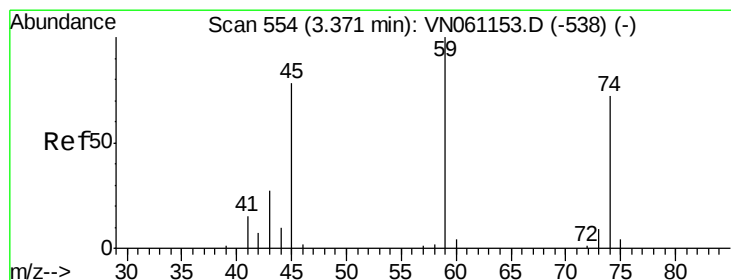
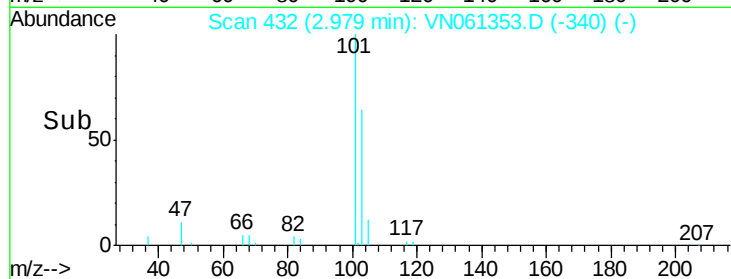
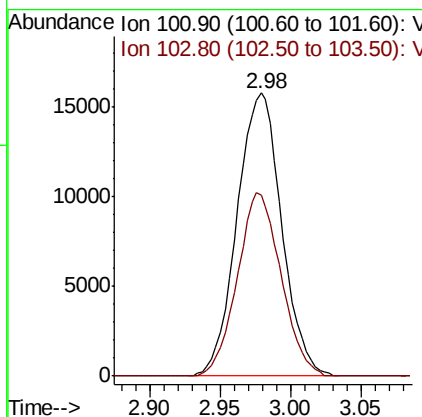
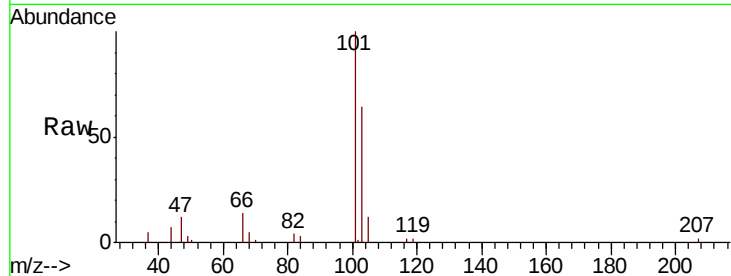
Trichlorofluoromethane
 Concen: 22.391 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061353.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		34919		
103	64.0	50.6	76.0		

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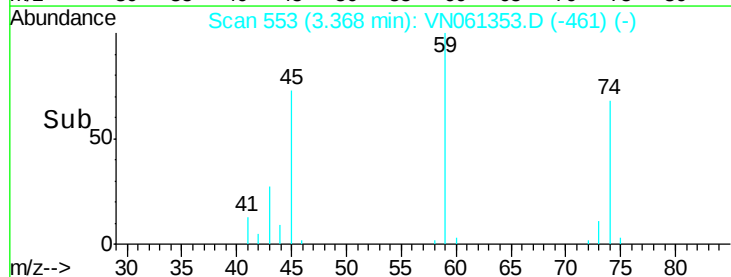
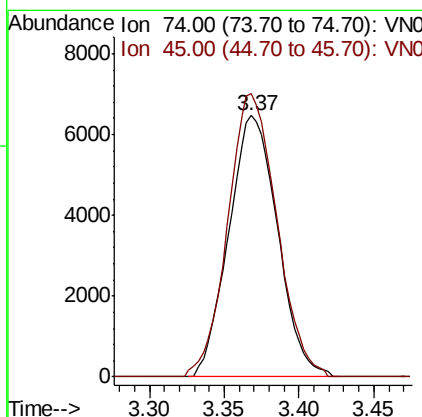
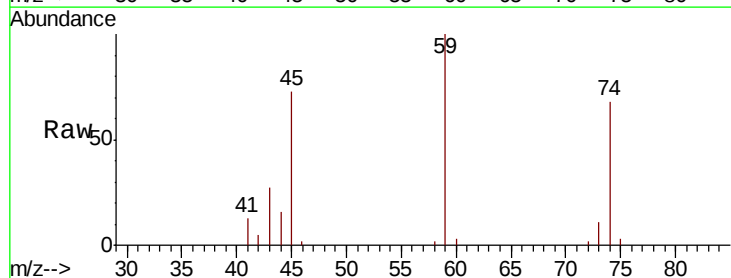
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#8

Diethyl Ether
 Concen: 22.670 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061353.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		14747		
45	108.5	53.3	160.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.638 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

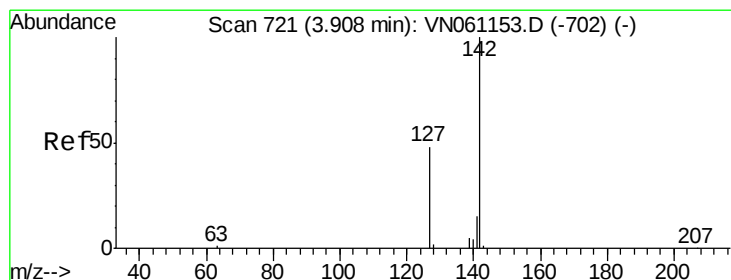
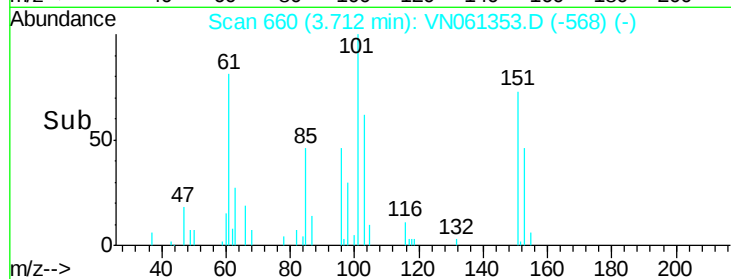
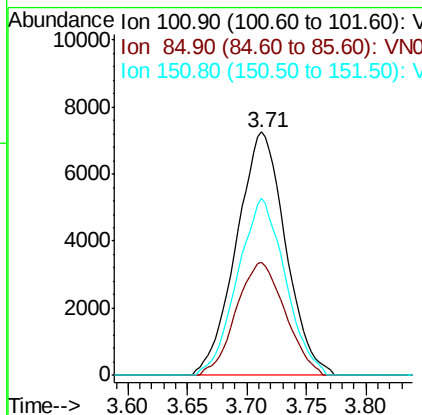
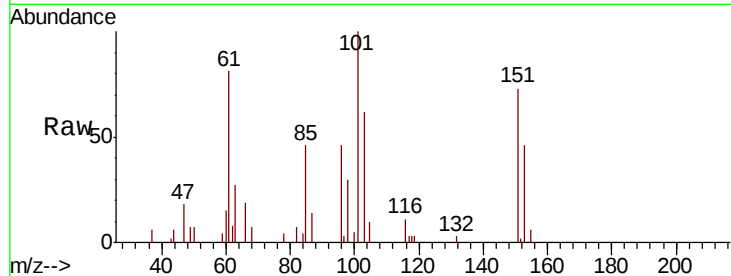
ClientSampleId :

VN0508WBSD01

Tot Ion:	101	Resp:	20735
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.2	55.8
151	70.7	57.7	86.5

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#10

Methyl Iodide

Concen: 16.686 ug/l

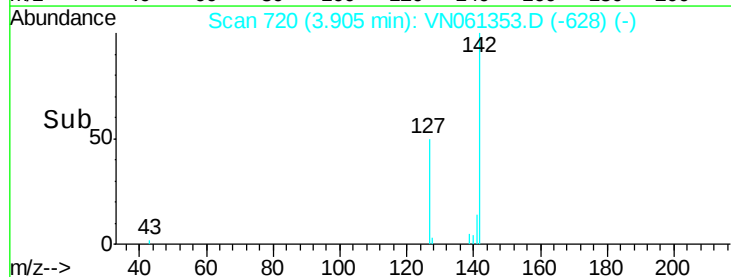
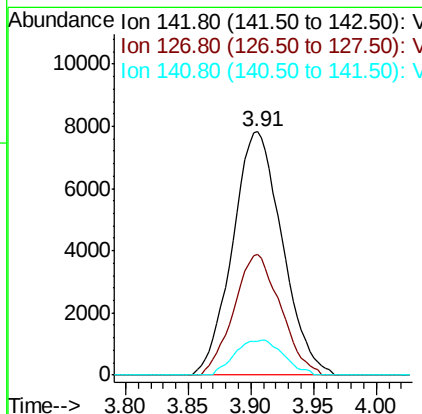
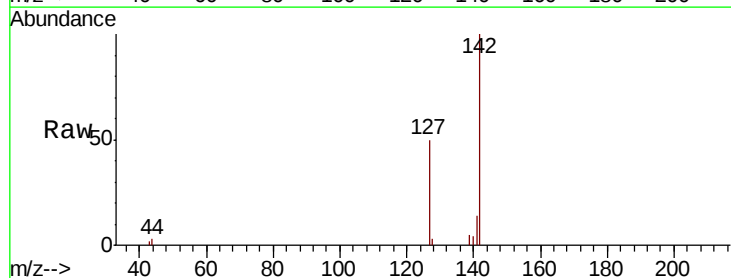
RT: 3.91 min Scan# 720

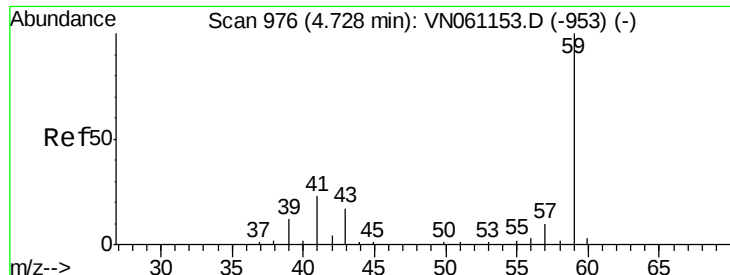
Delta R.T. -0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Tgt Ion:	142	Resp:	21545
Ion Ratio	Lower	Upper	
142	100		
127	46.6	38.0	57.0
141	14.1	11.7	17.5





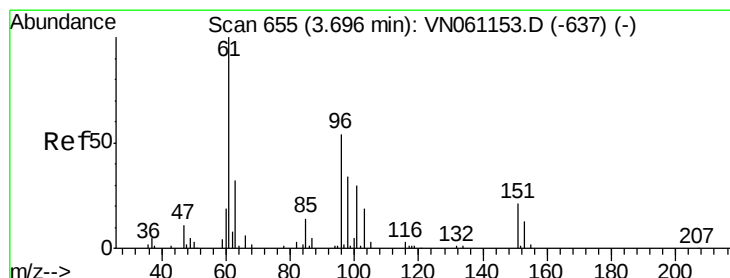
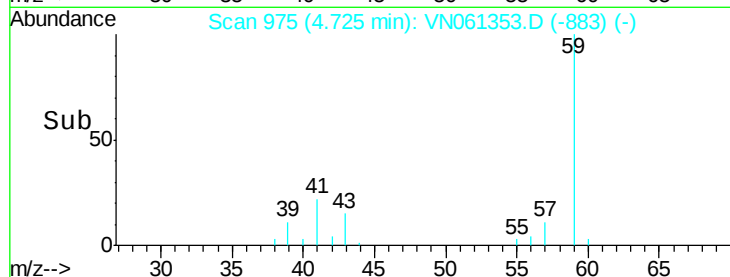
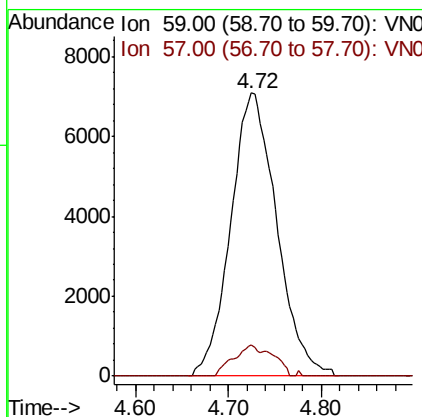
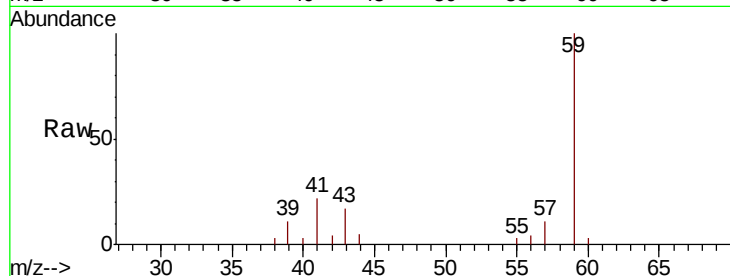
#11
Tert butyl alcohol
Concen: 121.662 ug/l
RT: 4.72 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.3	12.5

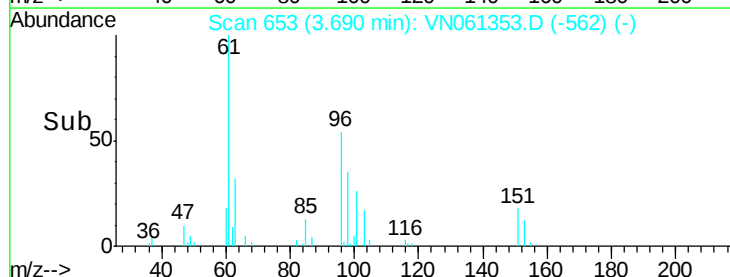
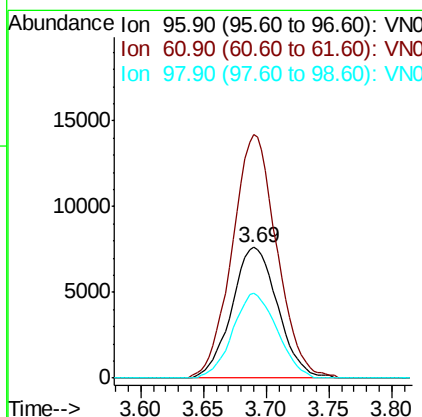
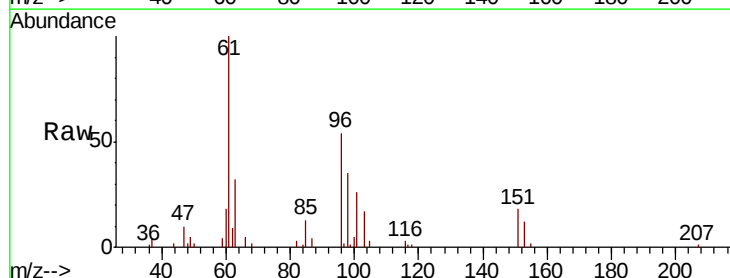
Manual Integrations
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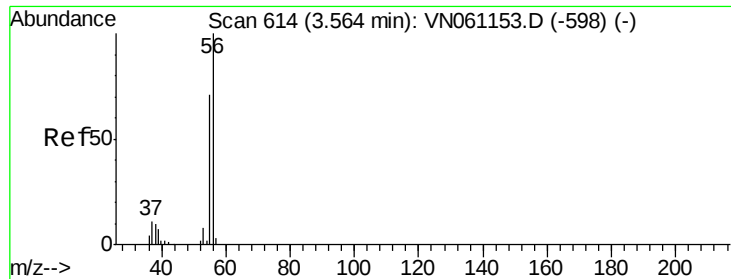
MMDadoda
5/11/2020 12:36:37 PM



#12
1,1-Dichloroethene
Concen: 19.446 ug/l
RT: 3.69 min Scan# 653
Delta R.T. -0.01 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.8	147.0	220.6
98	65.6	49.8	74.6





#13

Acrolein

Concen: 97.517 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBSD01

Tot Ion: 56 Resp: 13053

Ion Ratio Lower Upper

56 100

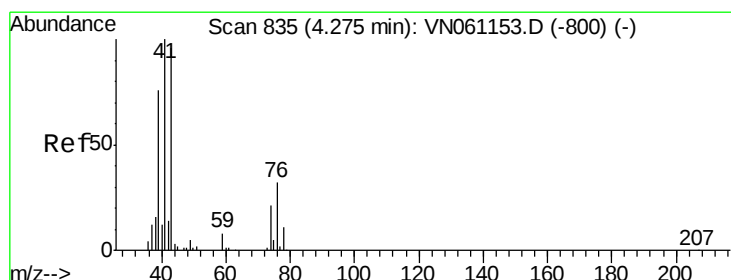
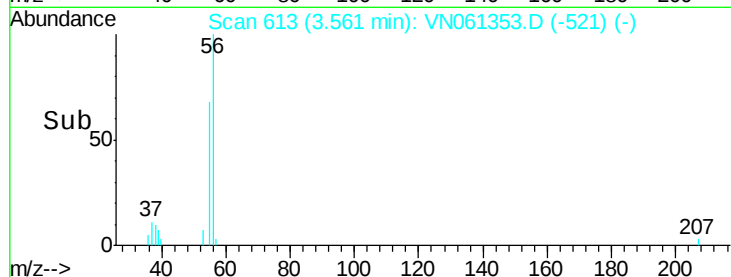
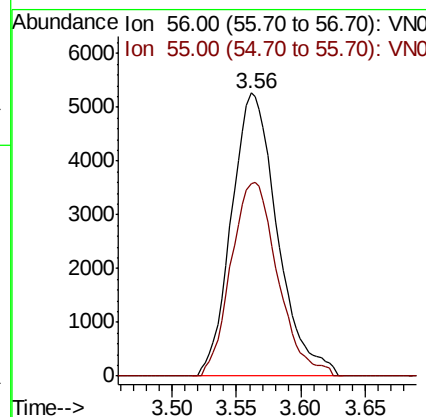
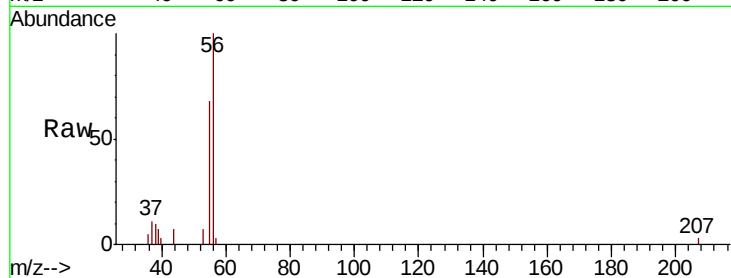
55 69.5 58.5 87.7

Manual Integrations

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#14

Allyl chloride

Concen: 22.764 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

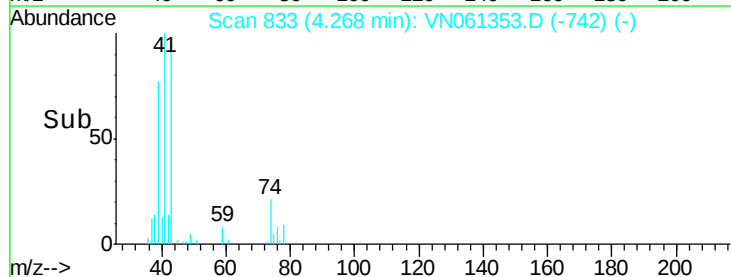
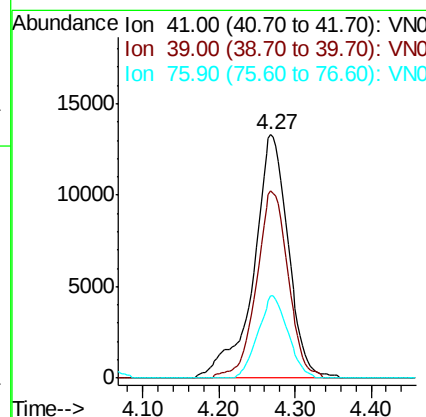
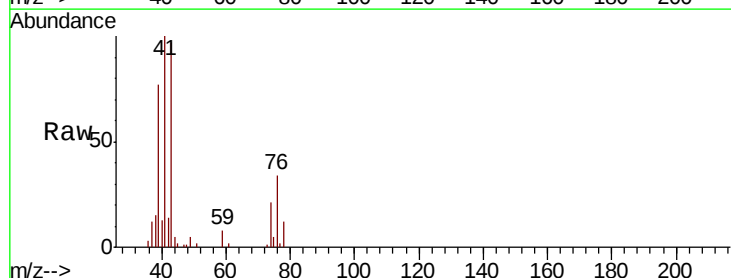
Tgt Ion: 41 Resp: 42201

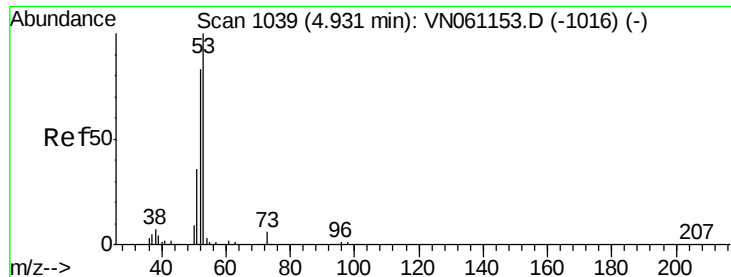
Ion Ratio Lower Upper

41 100

39 70.4 57.1 85.7

76 29.1 24.3 36.5





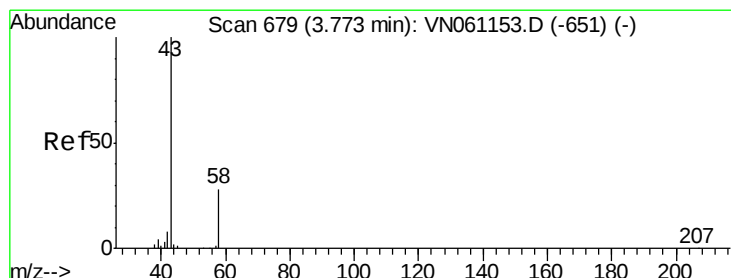
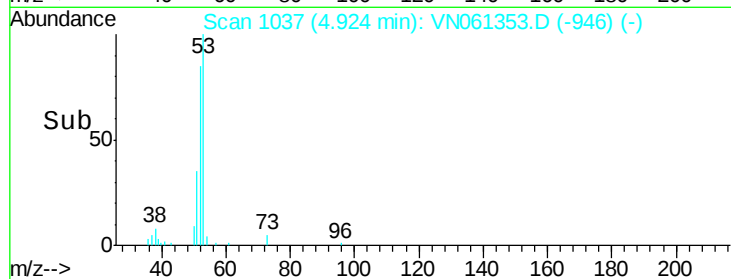
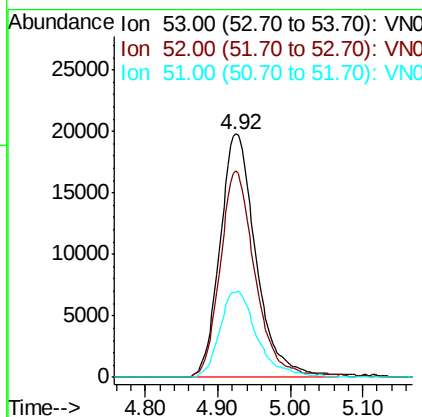
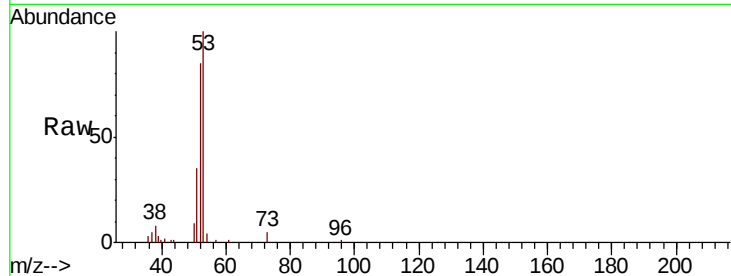
#15
 Acrylonitrile
 Concen: 110.888 ug/l
 RT: 4.92 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0508WBSD01

Tot Ion:	53	Resp:	68372
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.4	98.0
51	36.4	29.5	44.3

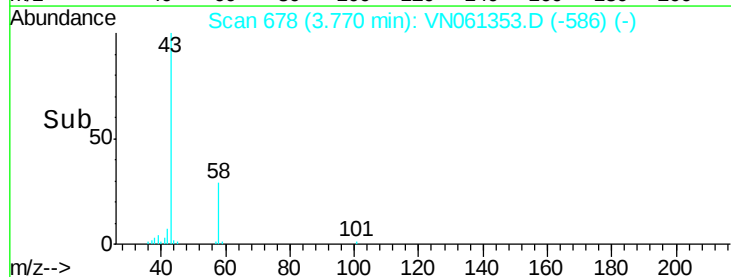
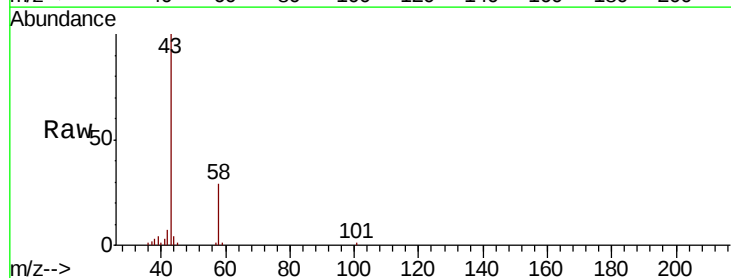
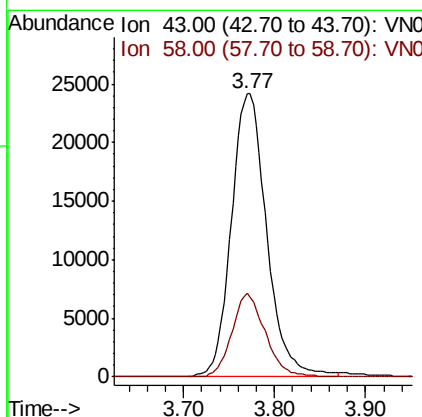
Manual Integrations
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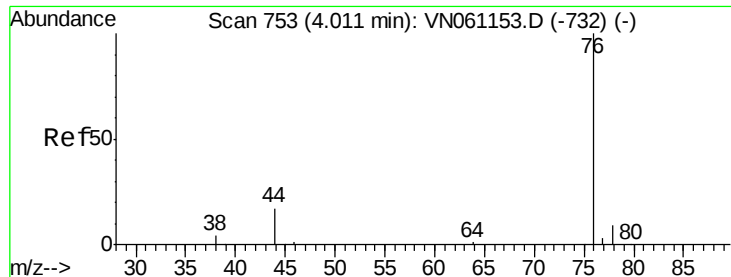
MMDadoda
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#16
 Acetone
 Concen: 109.476 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Tgt Ion:	43	Resp:	65286
Ion Ratio	Lower	Upper	
43	100		
58	29.4	22.2	33.2





#17

Carbon Disulfide

Concen: 14.498 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBSD01

Tot Ion: 76 Resp: 40040

Ion Ratio Lower Upper

76 100

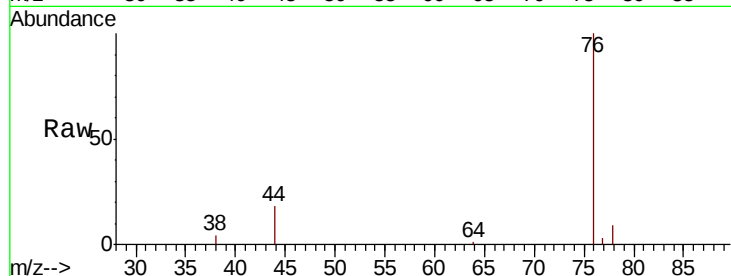
78 9.1 7.2 10.8

Manual Integrations

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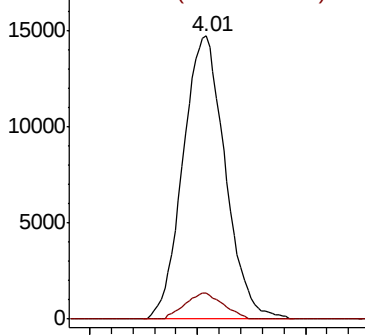
MMDadoda

5/11/2020 12:36:37 PM

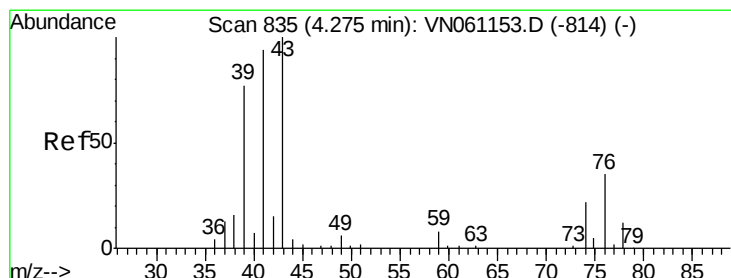
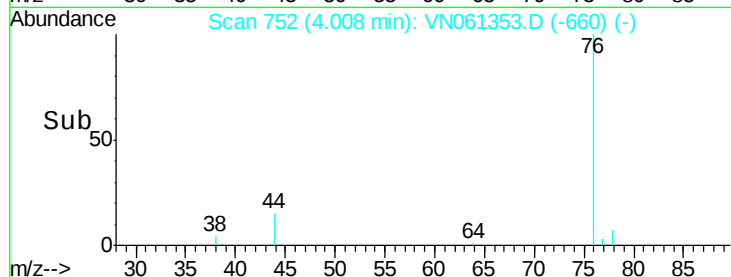


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#18

Methyl Acetate

Concen: 20.945 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061353.D

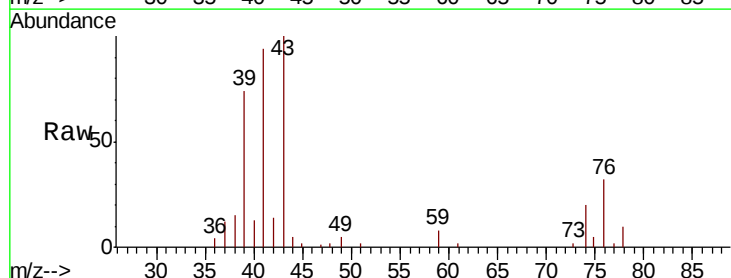
Acq: 8 May 2020 11:53

Tgt Ion: 43 Resp: 38886

Ion Ratio Lower Upper

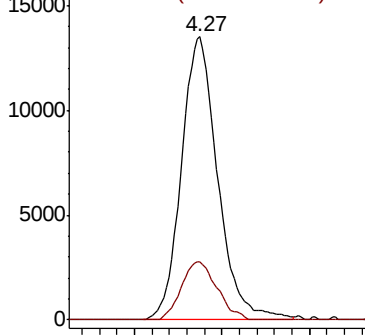
43 100

74 20.1 17.0 25.4

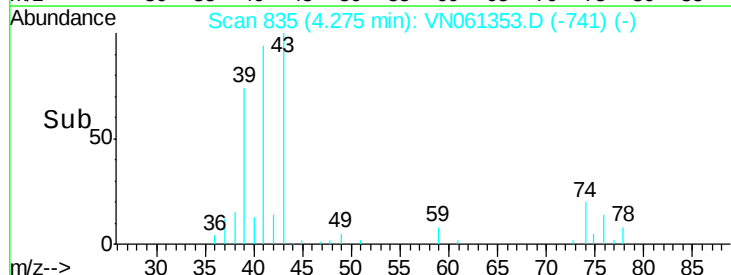


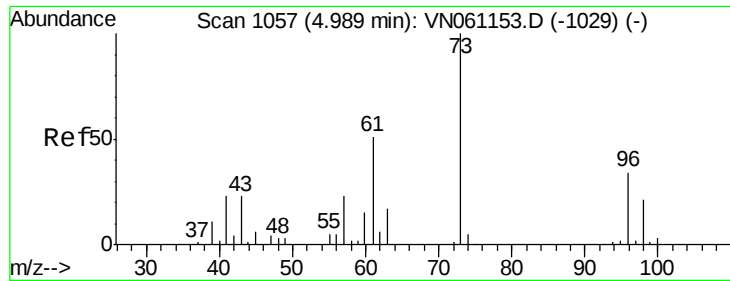
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time-->





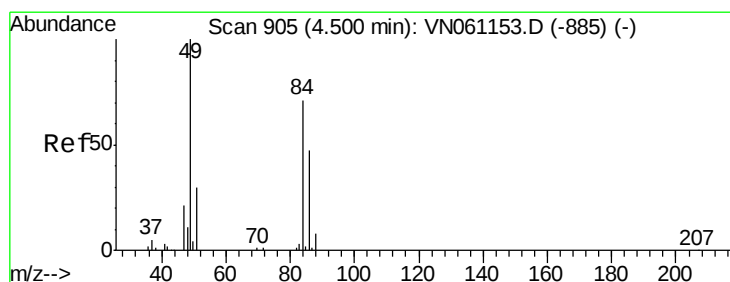
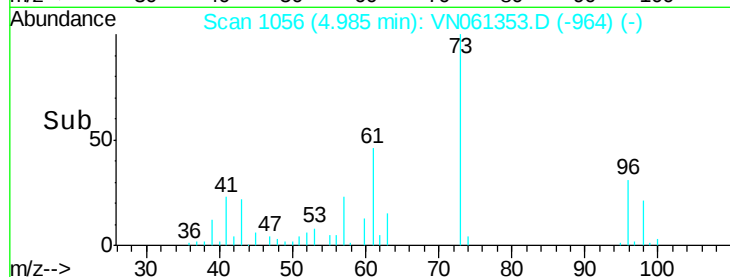
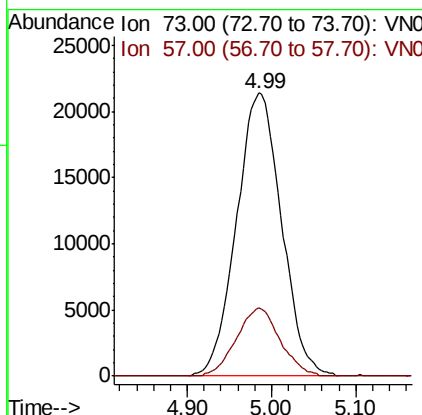
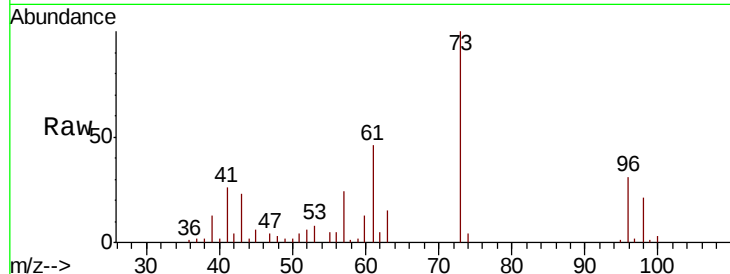
#19
Methvl tert-butvl Ether
Concen: 20.768 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion: 73 Resp: 79343
Ion Ratio Lower Upper
73 100
57 23.9 18.3 27.5

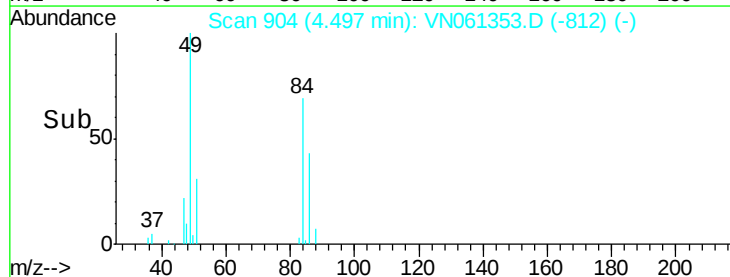
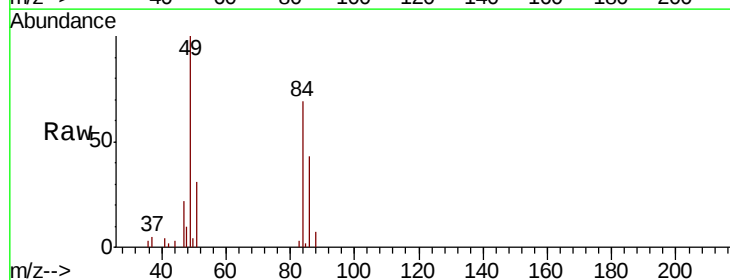
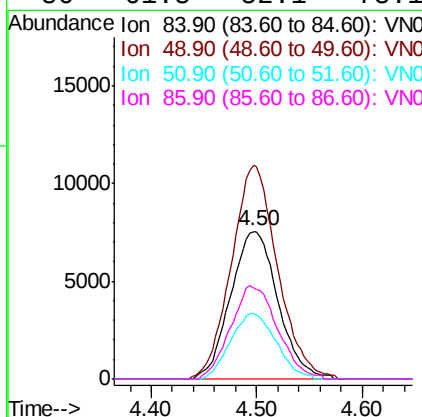
Manual Integrations
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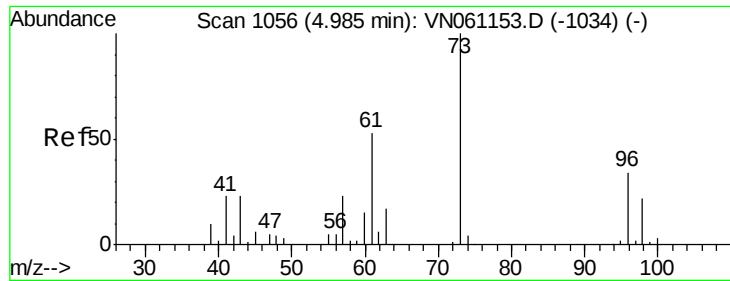
MMDadoda
5/11/2020 12:36:37 PM



#20
Methylene Chloride
Concen: 20.204 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion: 84 Resp: 23622
Ion Ratio Lower Upper
84 100
49 144.6 112.0 168.0
51 44.4 33.6 50.4
86 61.8 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.200 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampled :

VN0508WBSD01

Tot Ion: 96 Resp: 20903

Ion Ratio Lower Upper

96 100

61 153.1 123.0 184.4

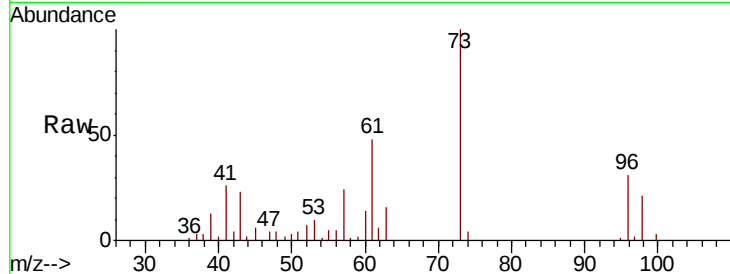
98 66.9 50.1 75.1

Manual Integrations

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MMDadoda

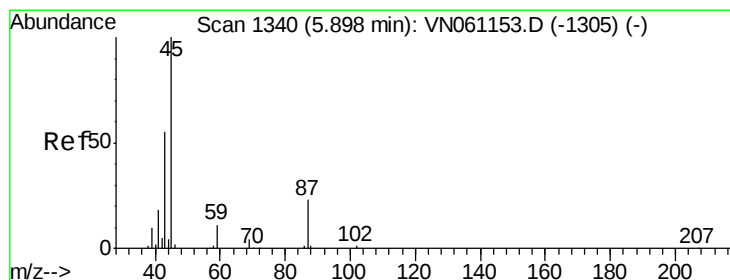
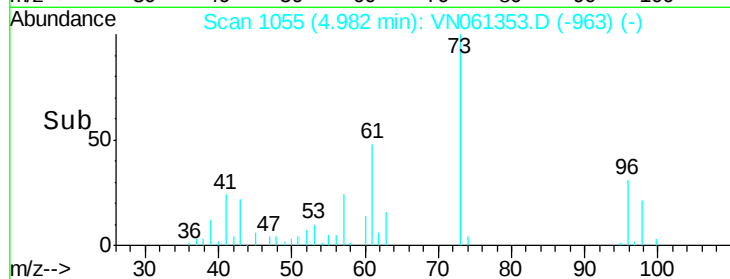
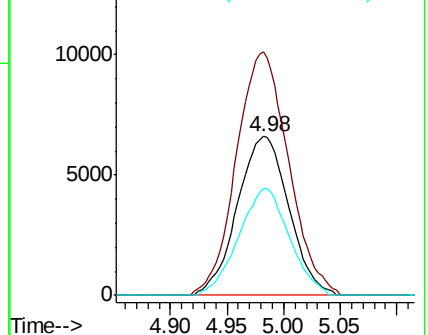
5/11/2020 12:36:37 PM



Abundance Ion 95.90 (95.60 to 96.60): VN061353.D (-963) (-)

Ion 60.90 (60.60 to 61.60): VN061353.D (-963) (-)

Ion 97.90 (97.60 to 98.60): VN061353.D (-963) (-)



#22

Diisopropyl ether

Concen: 21.062 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Tgt Ion: 45 Resp: 90545

Ion Ratio Lower Upper

45 100

43 59.9 47.9 71.9

87 24.5 19.2 28.8

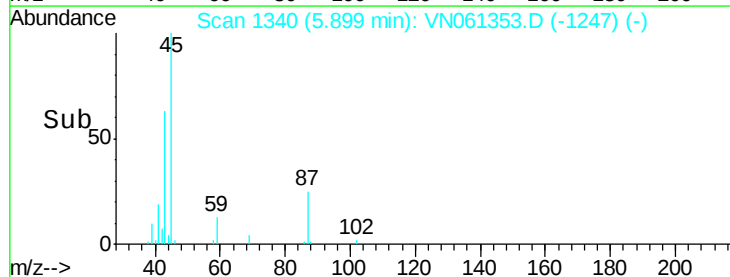
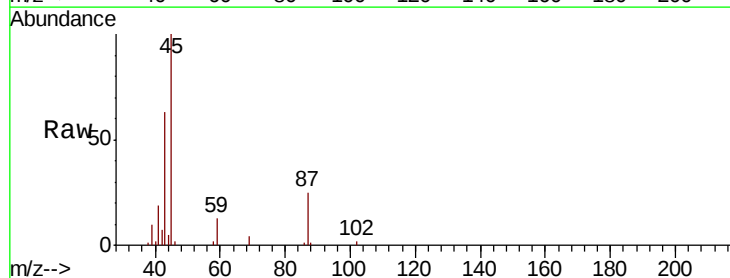
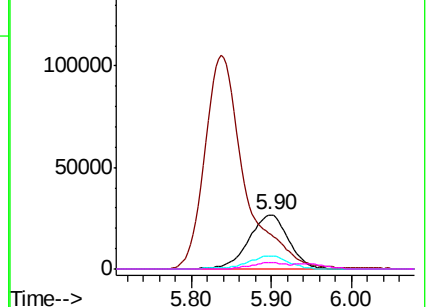
59 12.5 9.0 13.4

Abundance Ion 45.00 (44.70 to 45.70): VN061353.D (-1247) (-)

Ion 43.00 (42.70 to 43.70): VN061353.D (-1247) (-)

Ion 87.00 (86.70 to 87.70): VN061353.D (-1247) (-)

Ion 59.00 (58.70 to 59.70): VN061353.D (-1247) (-)





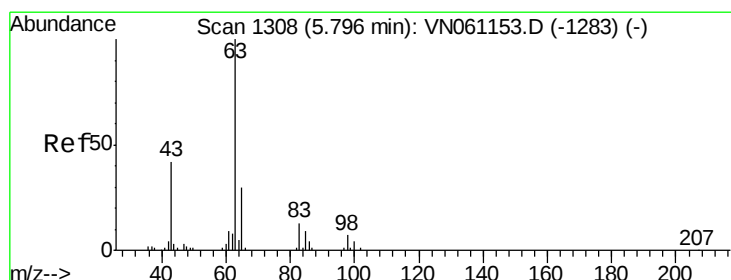
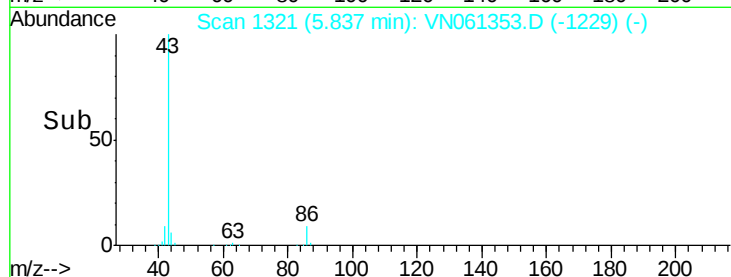
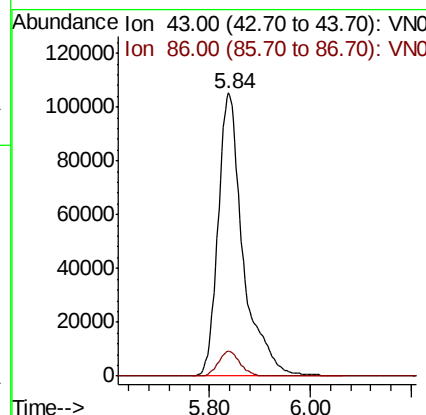
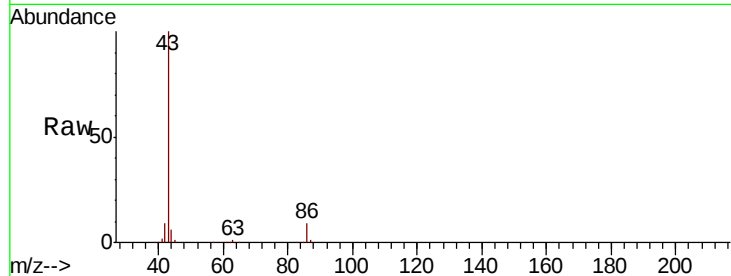
#23
 Vinyl Acetate
 Concen: 104.825 ug/l
 RT: 5.84 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBSD01

Tot Ion: 43 Resp: 362840
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.2 10.8

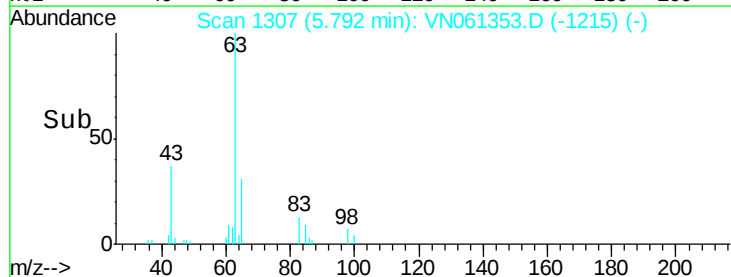
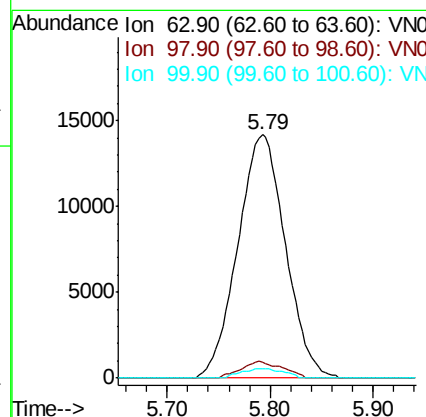
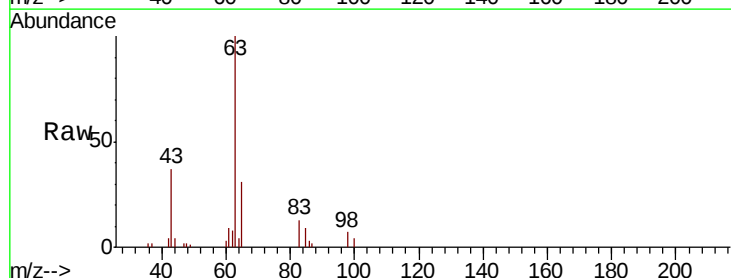
Manual Integrations
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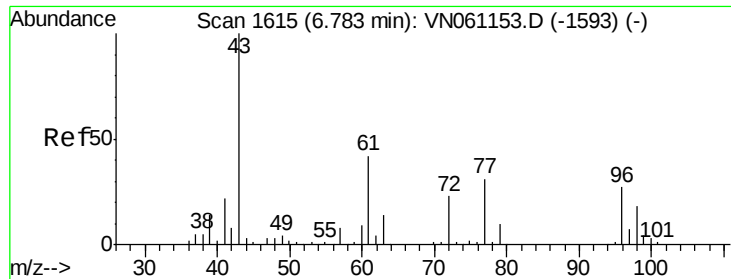
MMDadoda
 5/11/2020 12:36:37 PM



#24
 1,1-Dichloroethane
 Concen: 20.218 ug/l
 RT: 5.79 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Tgt Ion: 63 Resp: 45412
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 108.680 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBSD01

Tot Ion: 43 Resp: 96427

Ion Ratio Lower Upper

43 100

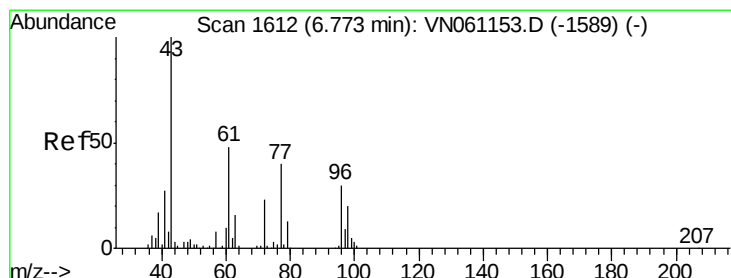
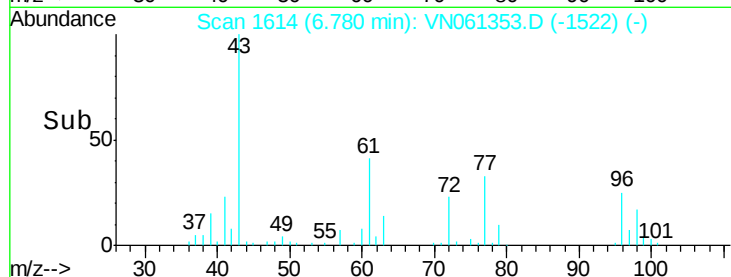
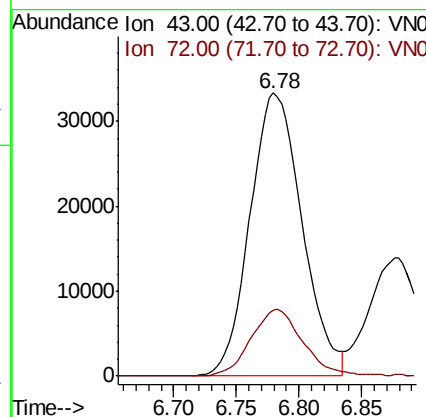
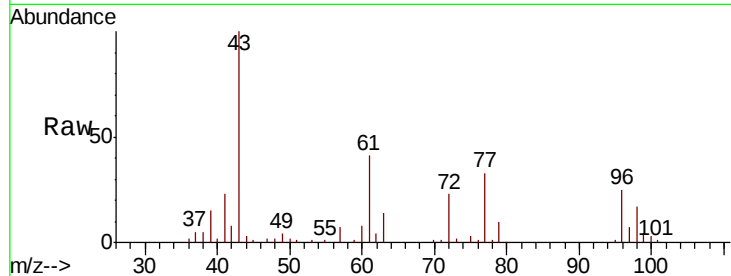
72 23.4 18.2 27.4

Manual Integrations

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MMDadoda

5/11/2020 12:36:37 PM



#26

2,2-Dichloropropane

Concen: 20.617 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061353.D

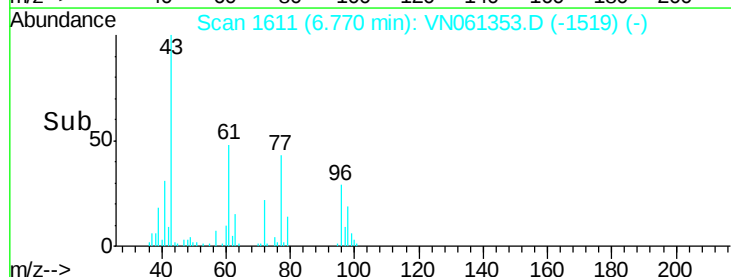
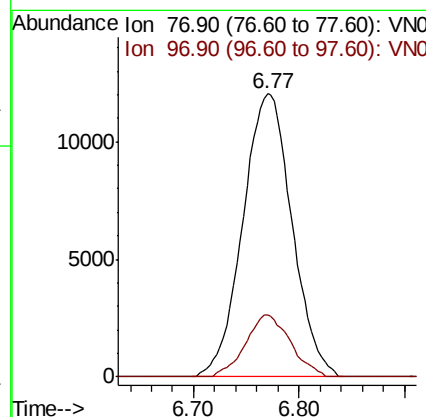
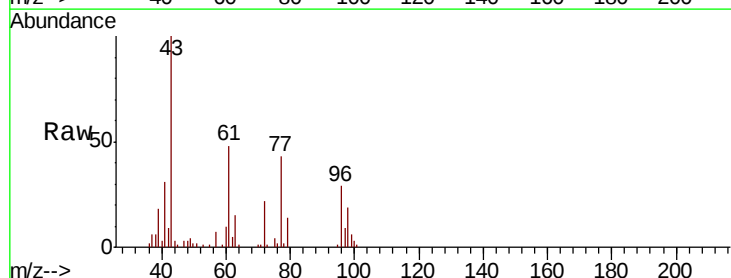
Acq: 8 May 2020 11:53

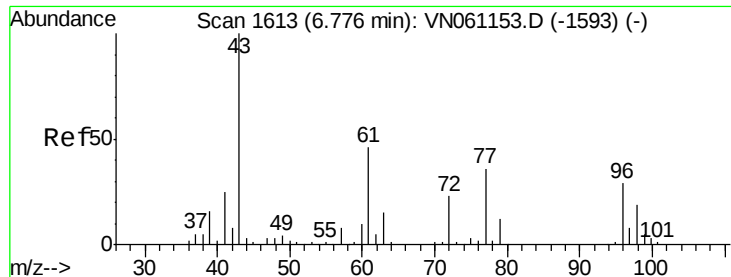
Tgt Ion: 77 Resp: 39005

Ion Ratio Lower Upper

77 100

97 20.0 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.450 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

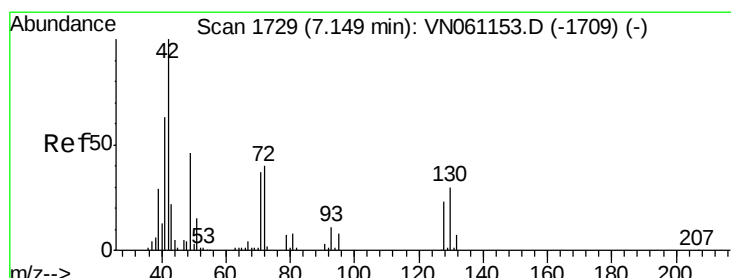
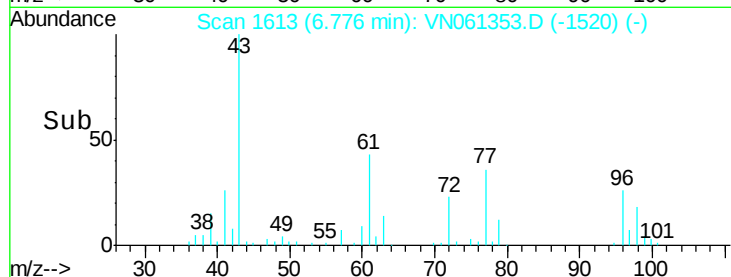
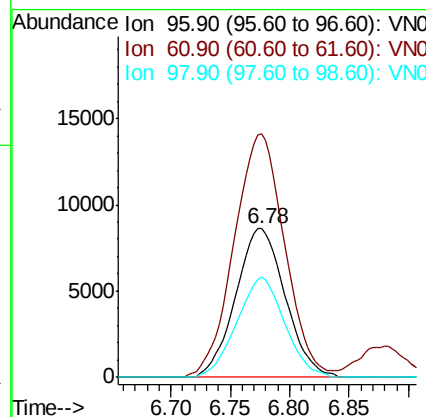
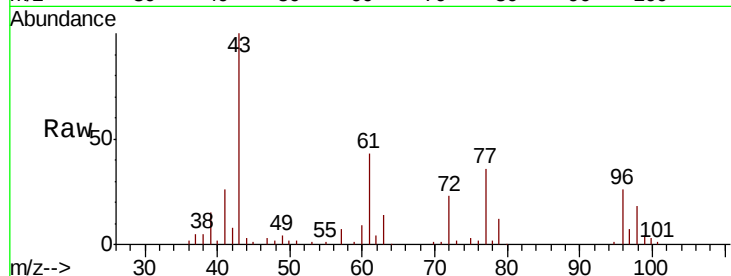
ClientSampleId :

VN0508WBSD01

Tot Ion:	96	Resp:	24850
Ion	Ratio	Lower	Upper
96	100		
61	166.6	0.0	322.0
98	64.9	0.0	129.6

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#28

Bromochloromethane

Concen: 21.020 ug/l

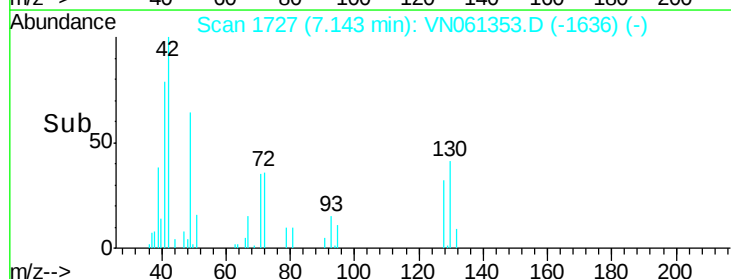
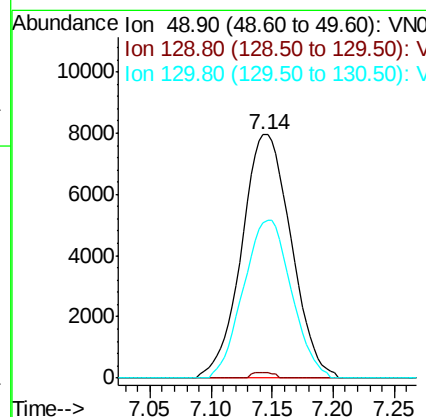
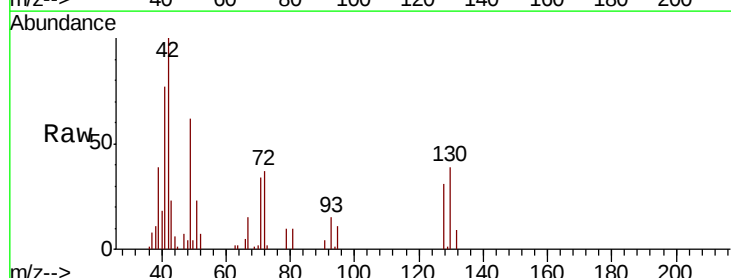
RT: 7.14 min Scan# 1727

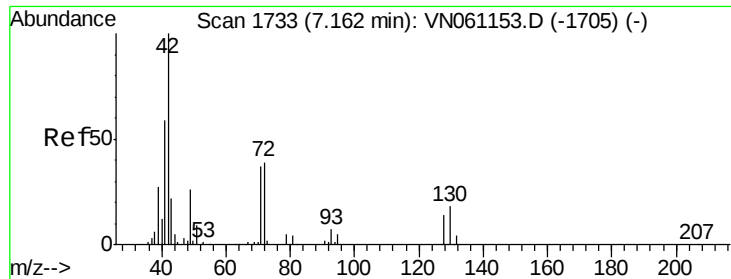
Delta R.T. -0.01 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Tgt Ion:	49	Resp:	22378
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.0
130	62.8	51.4	77.2





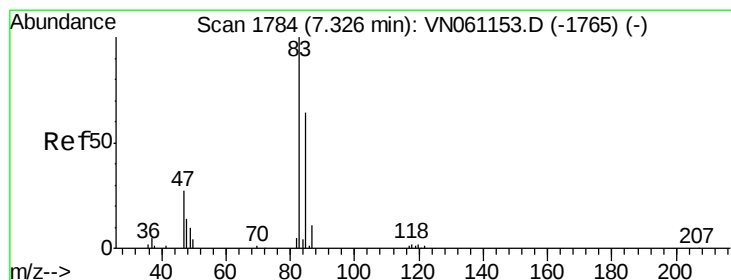
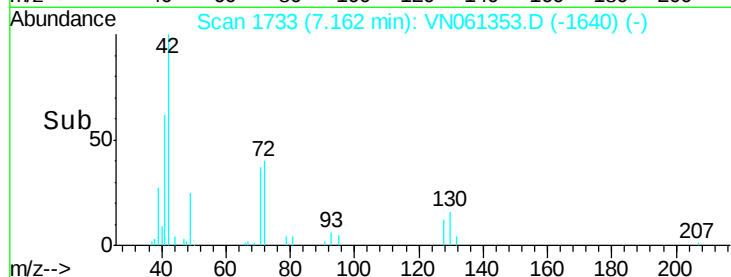
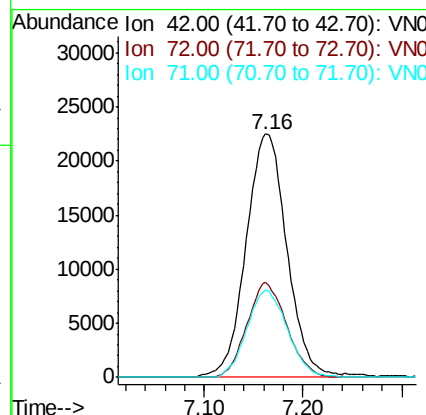
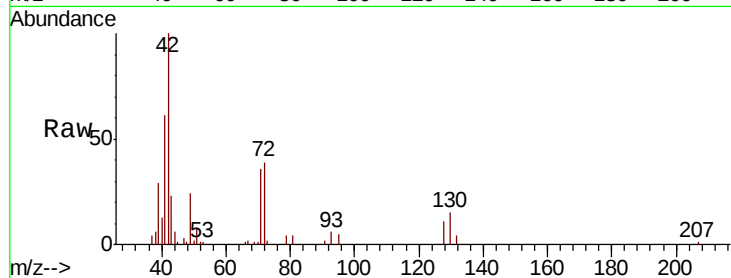
#29
Tetrahydrofuran
Concen: 107.791 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.4	47.0
71	35.5	29.5	44.3

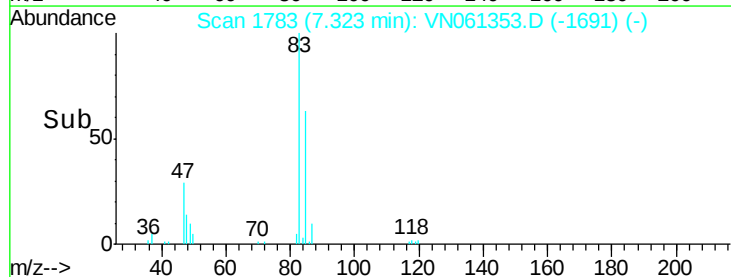
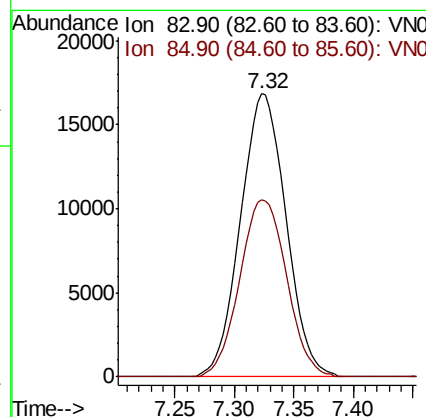
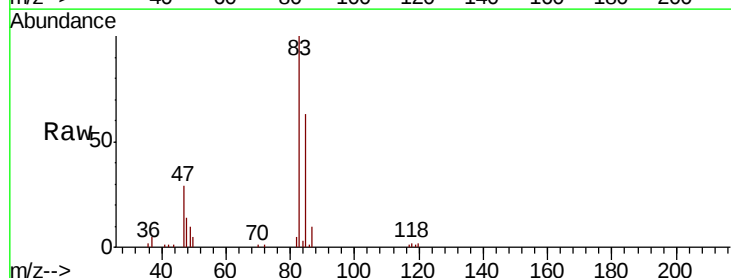
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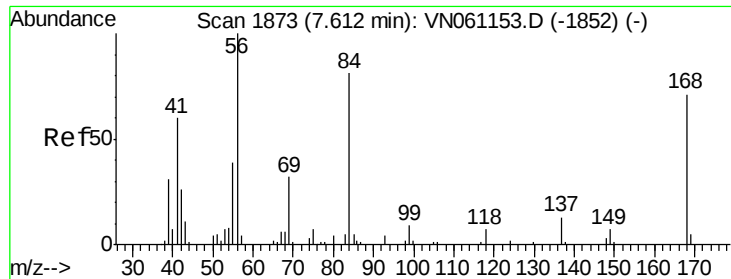
MMDadoda
5/11/2020 12:36:37 PM



#30
Chloroform
Concen: 19.642 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.1	76.7





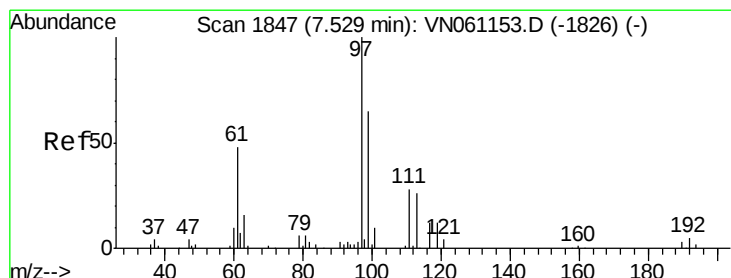
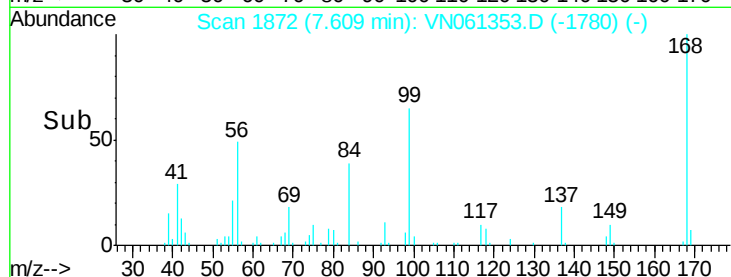
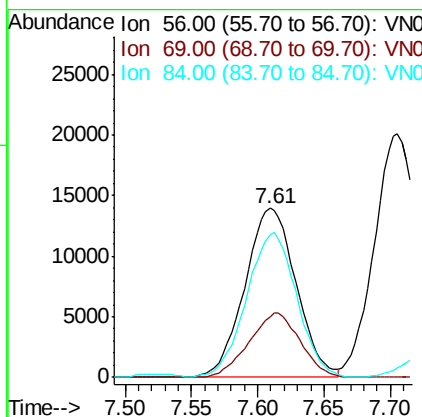
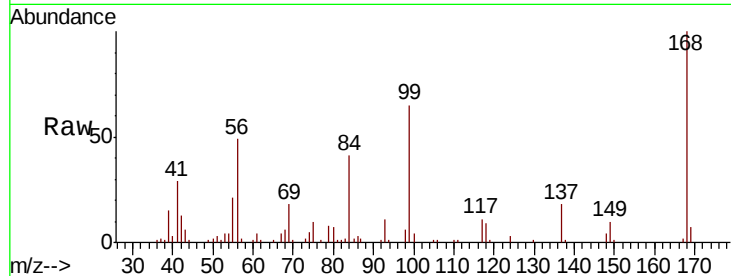
#31
Cyclohexane
Concen: 17.211 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	25.7	38.5
84	84.5	64.6	97.0

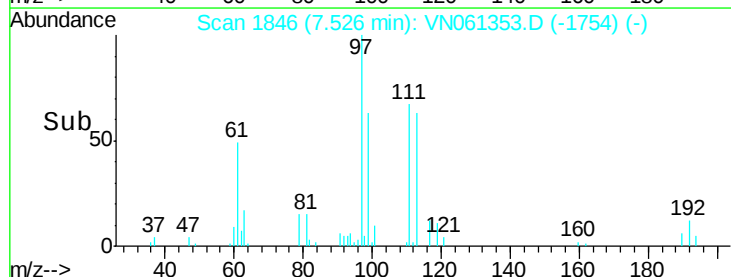
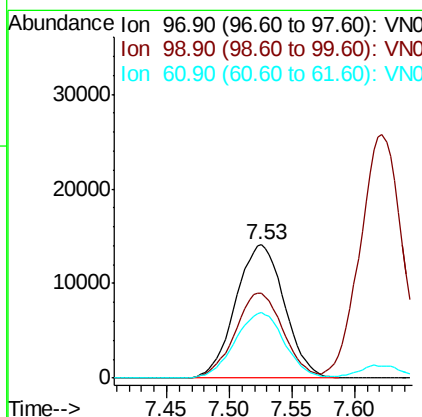
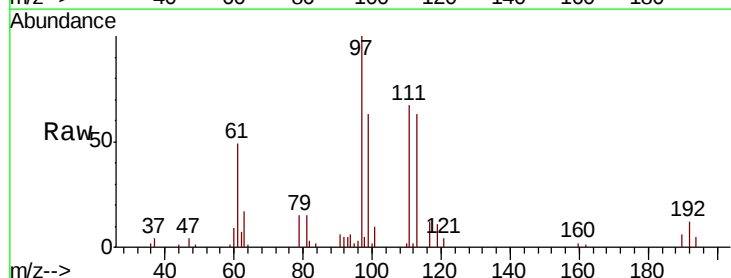
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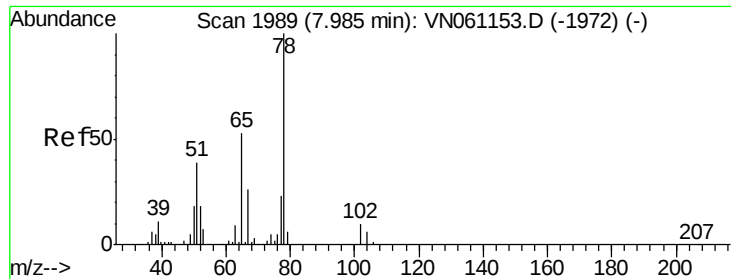
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#32
1,1,1-Trichloroethane
Concen: 19.238 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.3	76.9
61	49.6	38.6	57.8





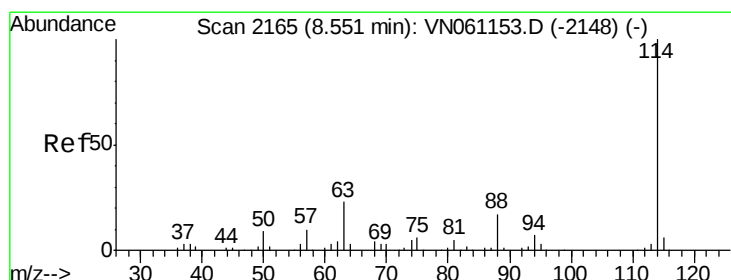
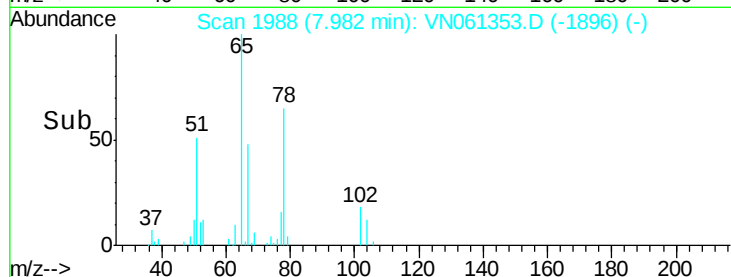
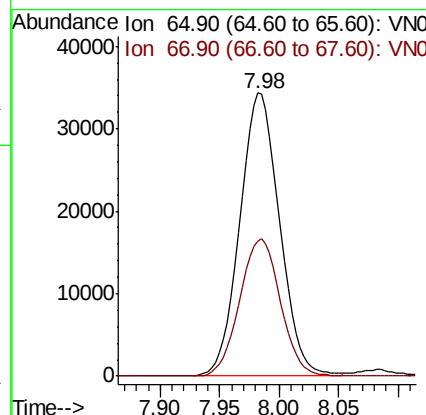
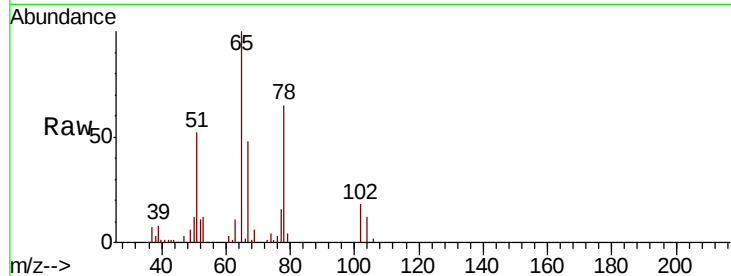
#33
 1,2-Dichloroethane-d4
 Concen: 53.126 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	79659		
67	49.5	0.0	101.6	

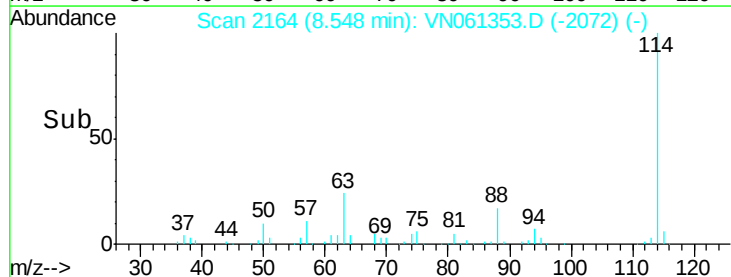
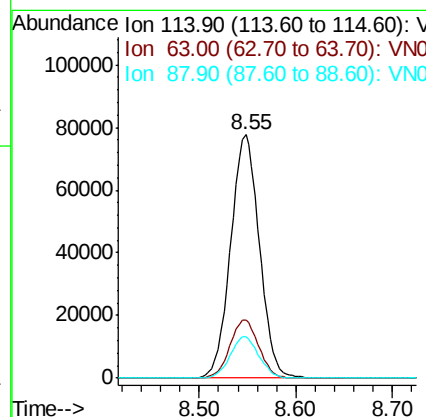
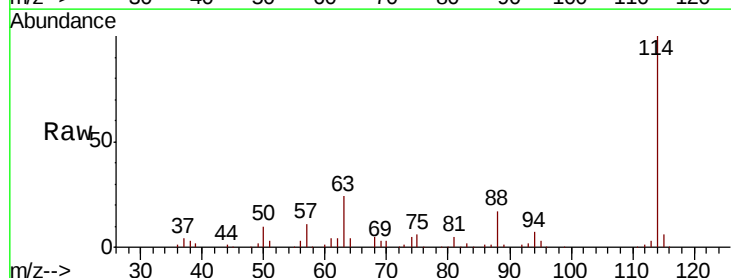
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	160748		
63	23.9	0.0	46.6	
88	16.8	0.0	33.4	





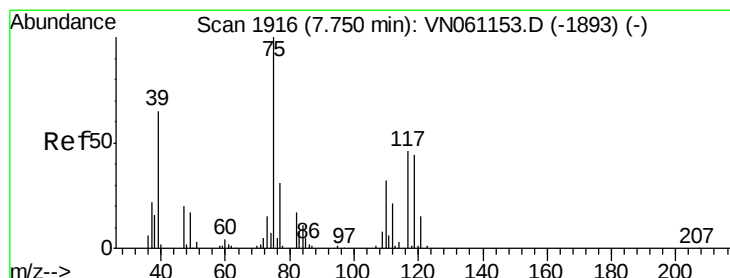
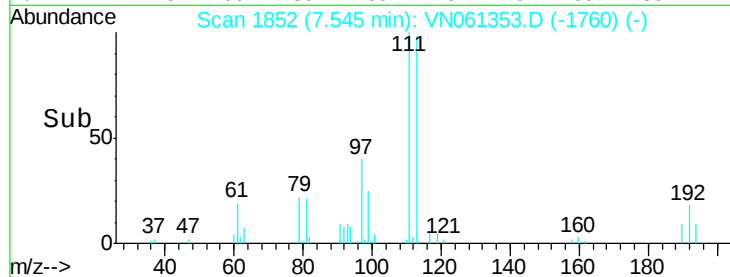
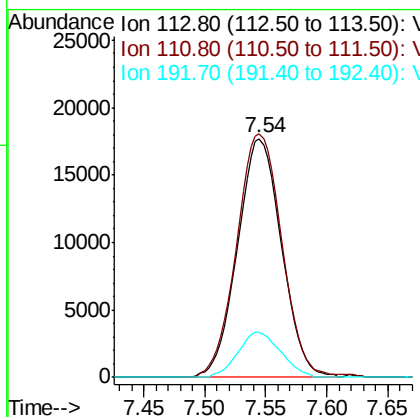
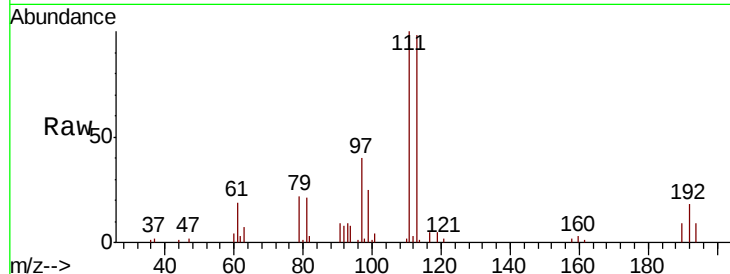
#35
 Dibromofluoromethane
 Concen: 46.486 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.9	124.3
192	18.4	14.7	22.1

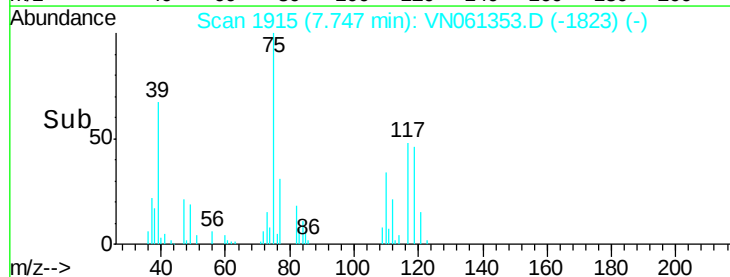
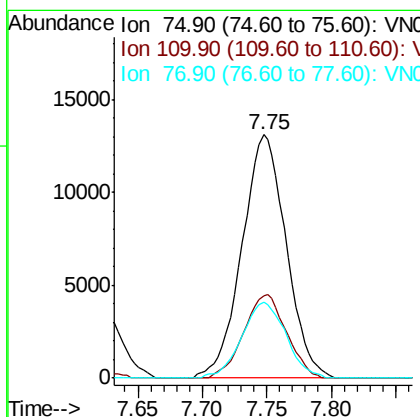
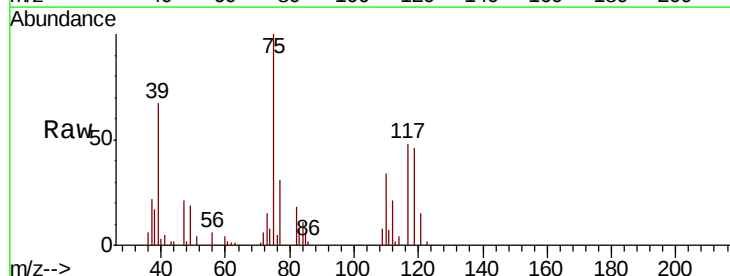
Manual Integrations
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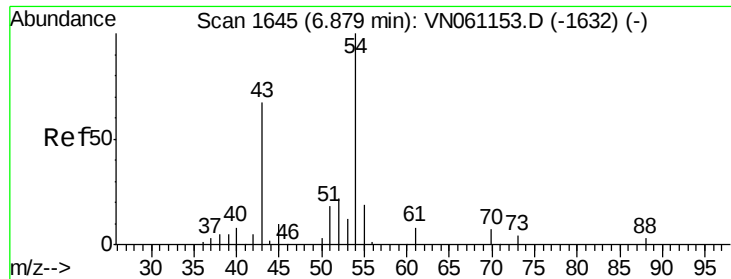
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#36
 1,1-Dichloropropene
 Concen: 19.411 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.0	48.0
77	31.3	24.6	37.0





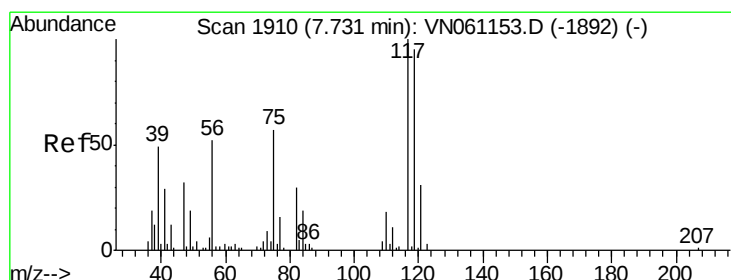
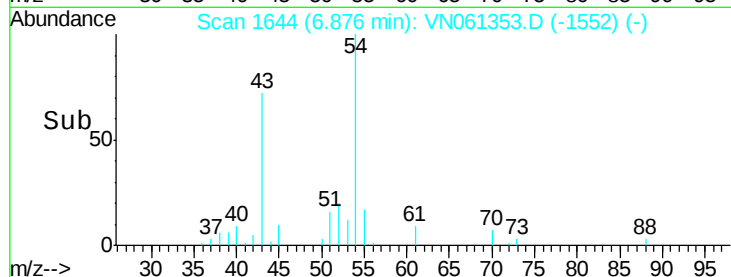
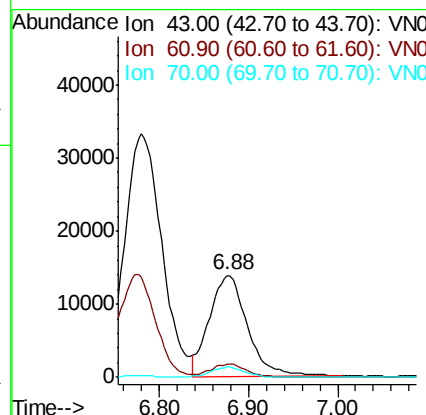
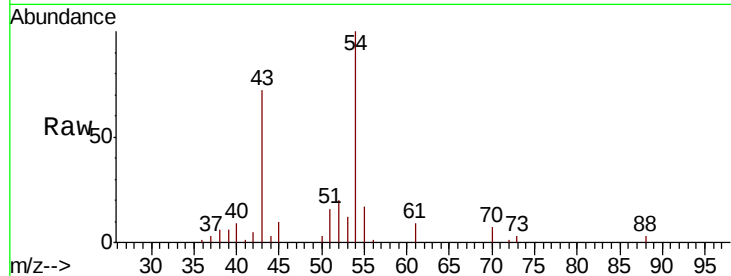
#37
Ethyl Acetate
Concen: 21.799 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	8.9	7.2	10.8

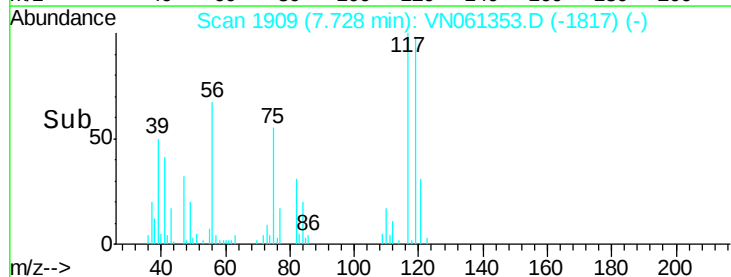
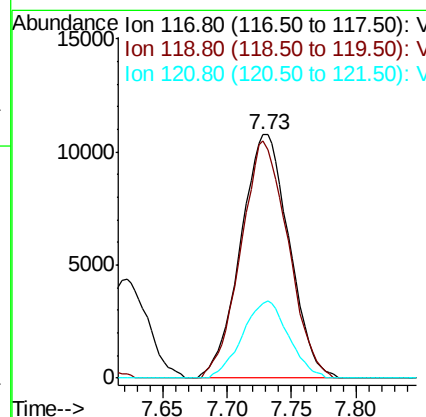
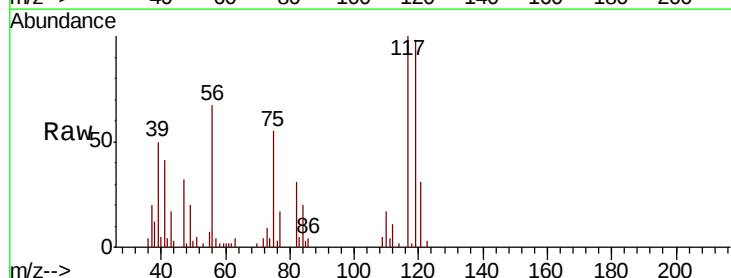
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#38
Carbon Tetrachloride
Concen: 20.611 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.8	113.6
121	30.7	24.7	37.1





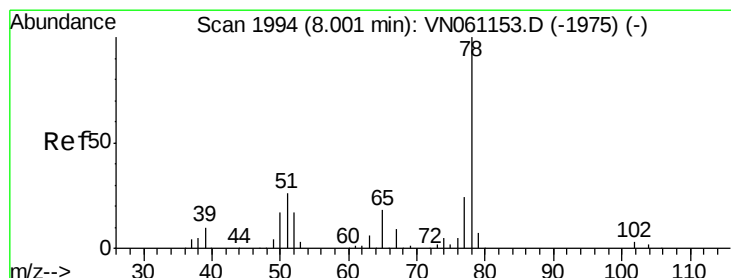
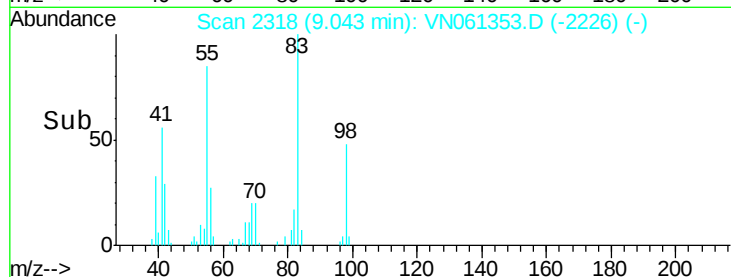
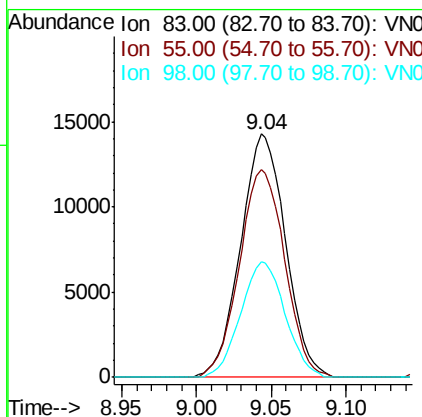
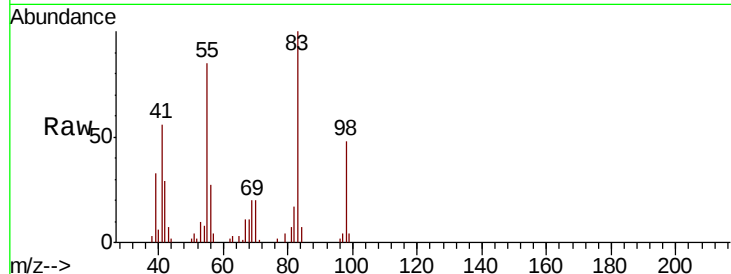
#39
Methvlcvclohexane
Concen: 16.557 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	67.3	100.9
98	47.7	37.7	56.5

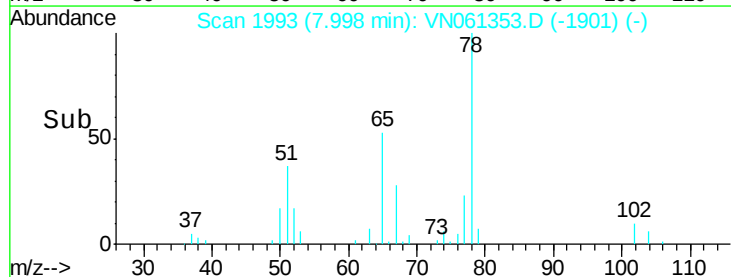
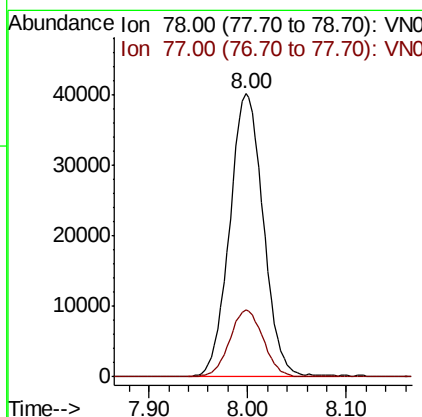
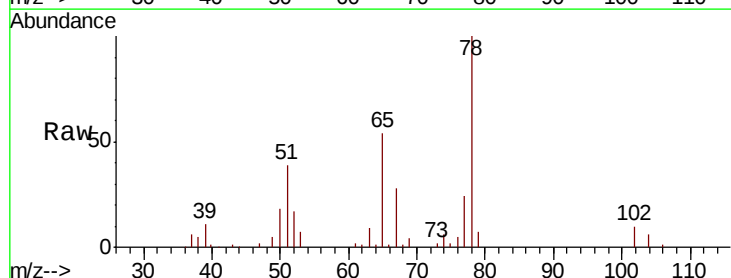
Manual Integrations
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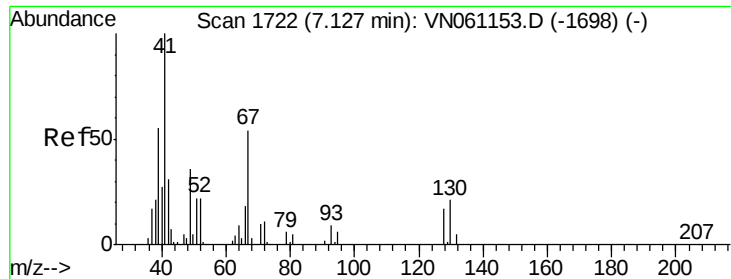
MMDadoda
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#40
Benzene
Concen: 19.933 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





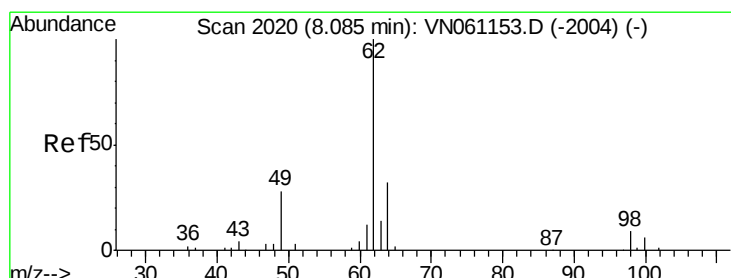
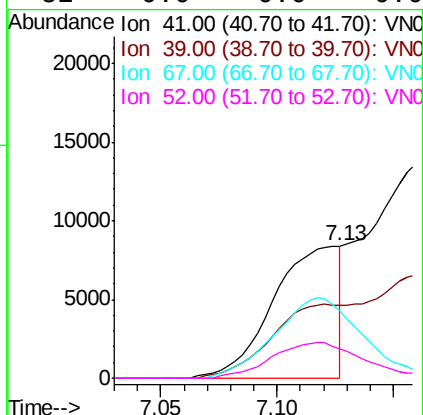
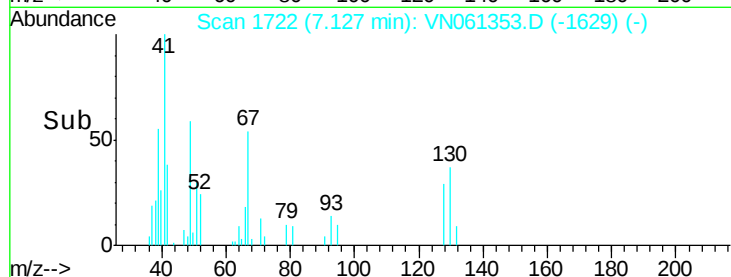
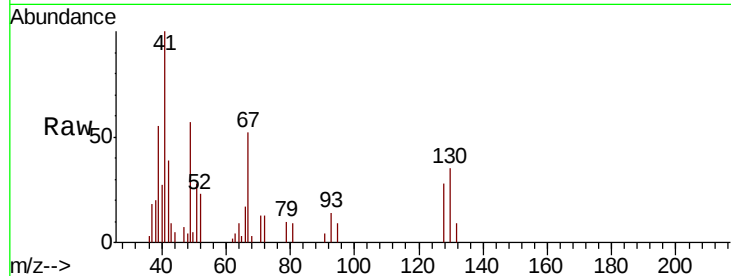
#41
Methacrylonitrile
Concen: 21.370 ug/l m
RT: 7.13 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		16738		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

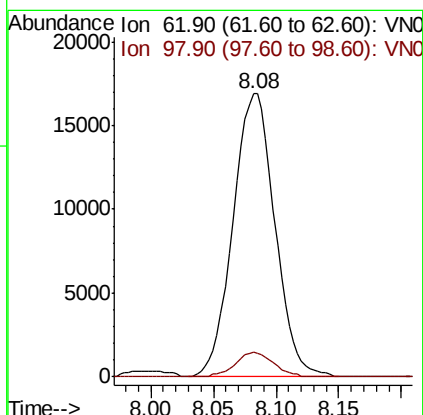
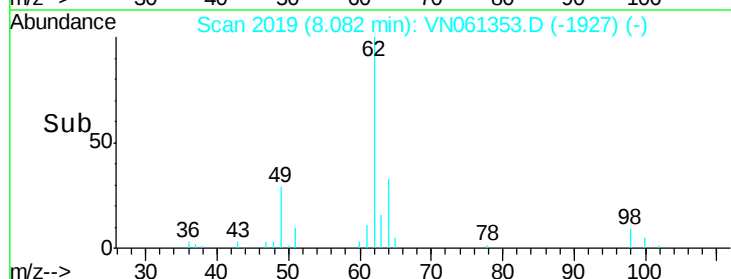
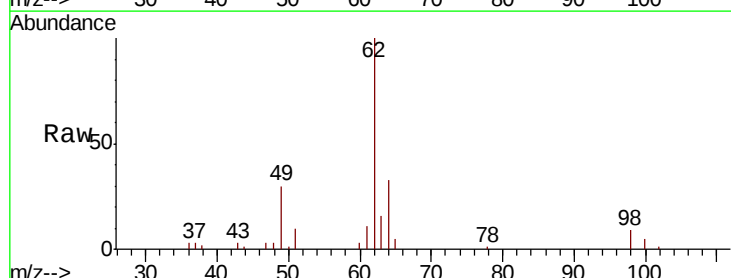
Manual Integrations
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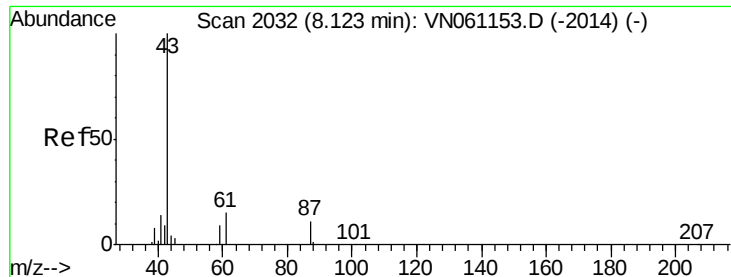
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.620 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		39266		
98	8.0	0.0	16.8		





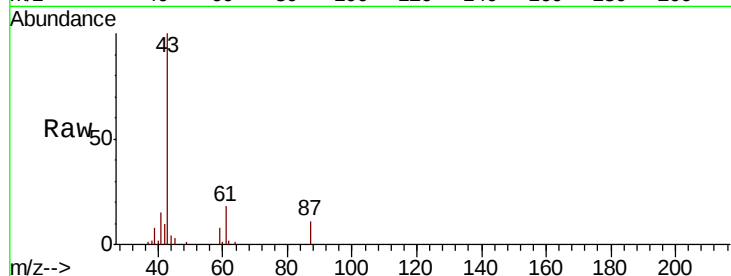
#43
Isopropyl Acetate
Concen: 21.042 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

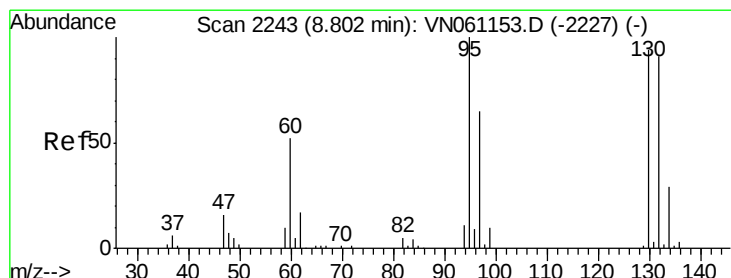
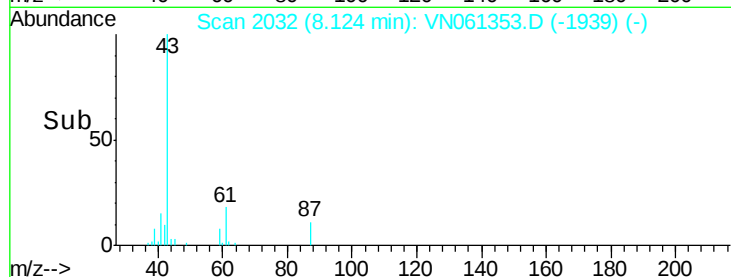
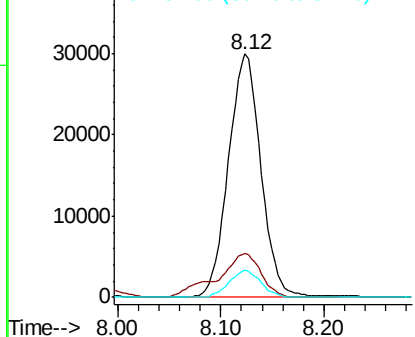
Tot Ion	Ratio	Lower	Upper
43	100		
61	23.9	19.5	29.3
87	10.7	8.9	13.3

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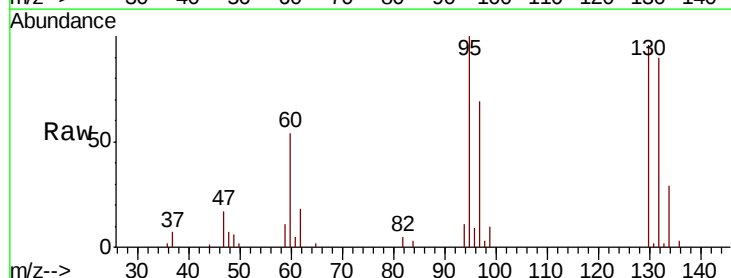


Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)
Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)
Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)

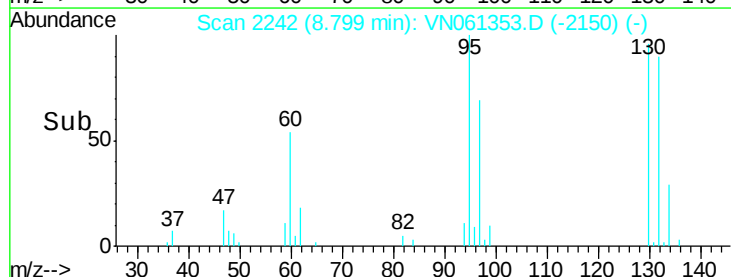
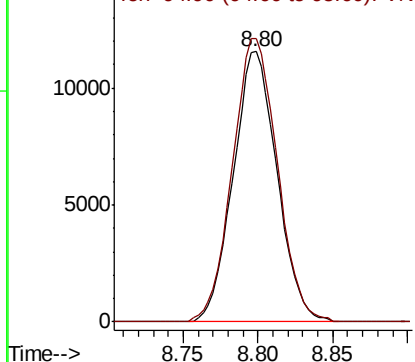


#44
Trichloroethene
Concen: 18.233 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	212.4



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





#45

1,2-Dichloropropane

Concen: 21.068 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBSD01

Tot Ion: 63 Resp: 26983

Ion Ratio Lower Upper

63 100

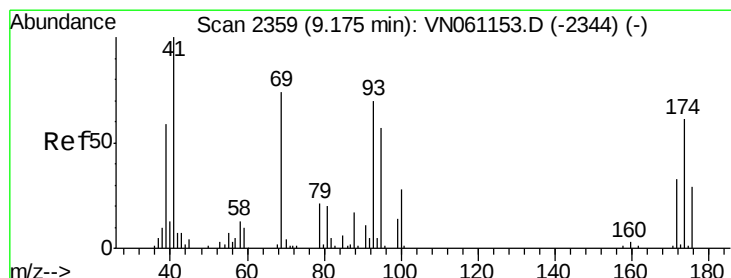
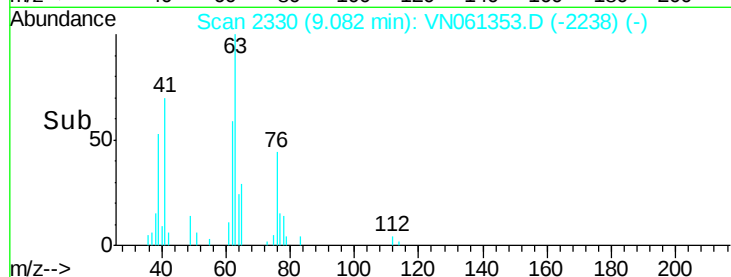
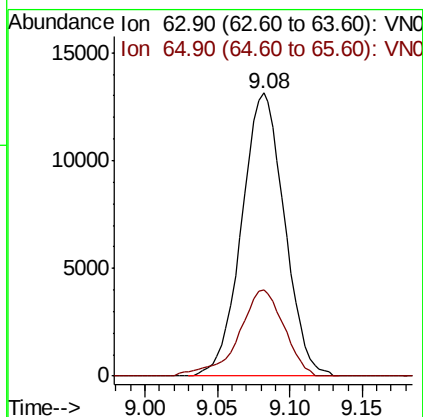
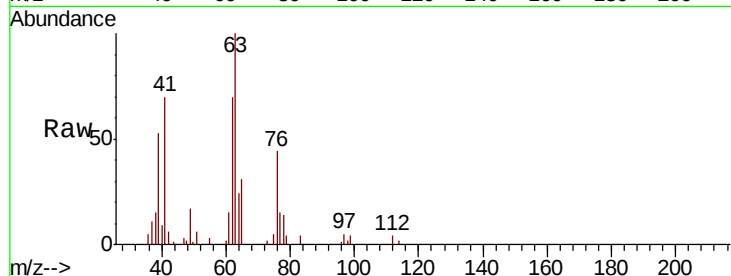
65 30.5 24.7 37.1

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#46

Dibromomethane

Concen: 20.757 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

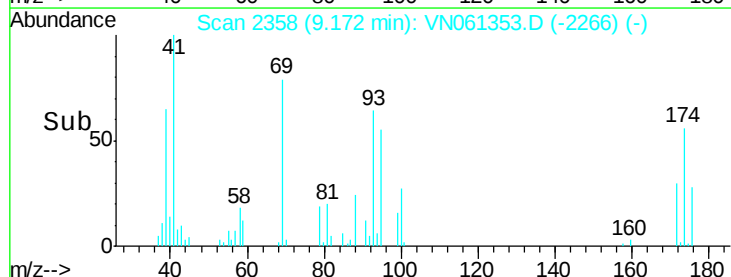
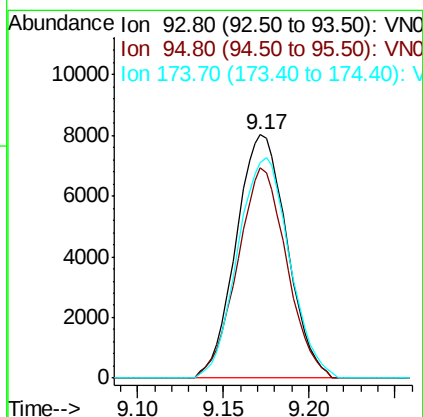
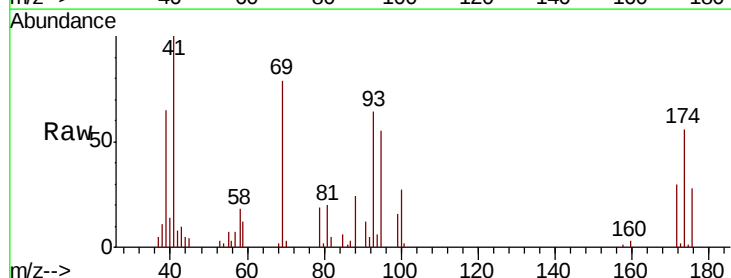
Tgt Ion: 93 Resp: 16461

Ion Ratio Lower Upper

93 100

95 83.6 66.6 99.8

174 92.1 70.2 105.2





#47

Bromodichloromethane

Concen: 21.145 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

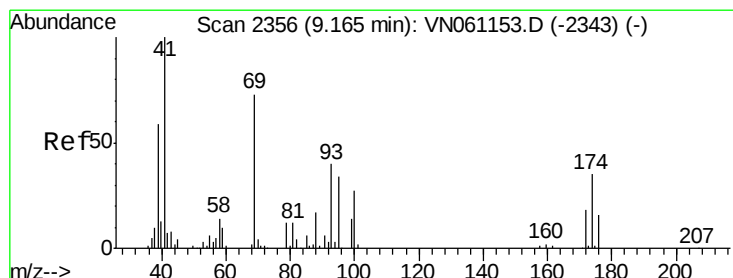
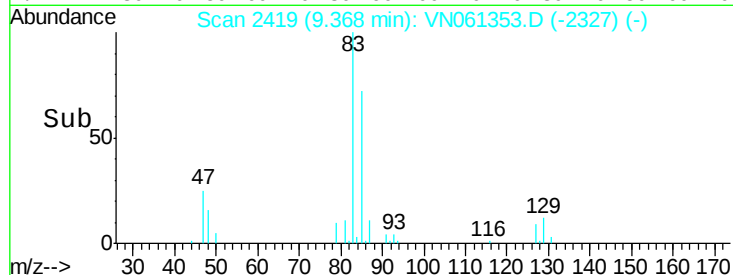
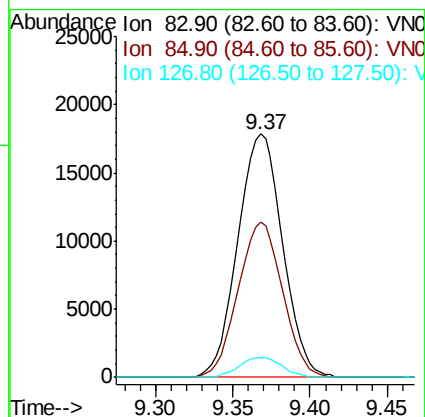
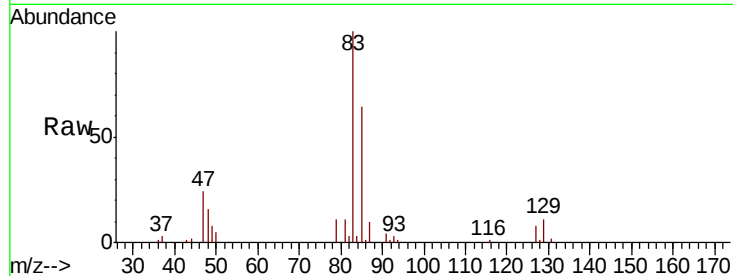
ClientSampleId :

VN0508WBSD01

Tot Ion:	83	Resp:	35992
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.4	75.6
127	8.0	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.308 ug/l

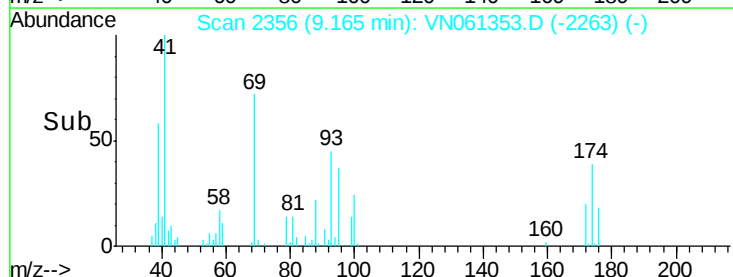
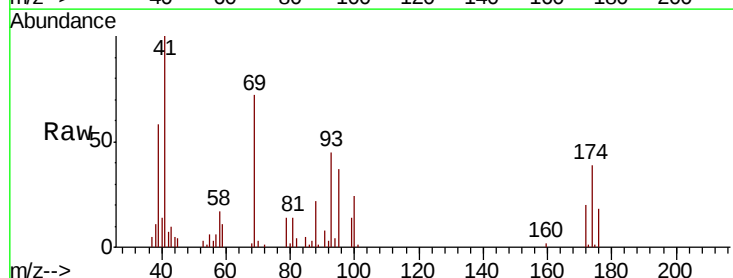
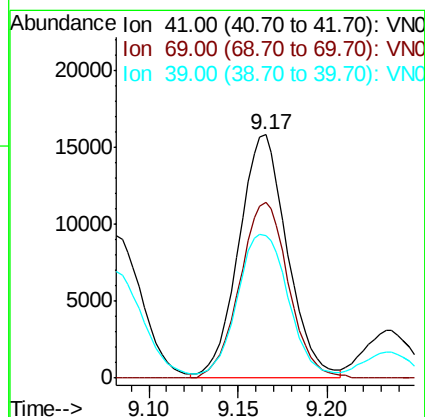
RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Tgt Ion:	41	Resp:	30104
Ion	Ratio	Lower	Upper
41	100		
69	72.4	60.3	90.5
39	62.4	47.4	71.0





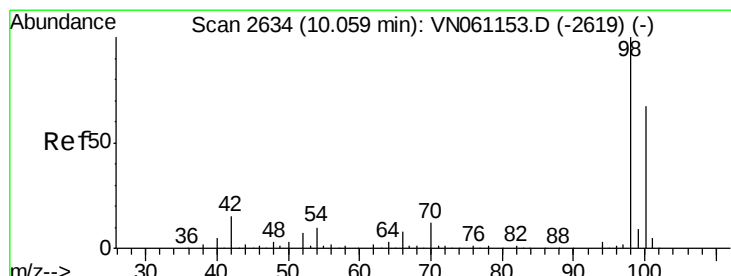
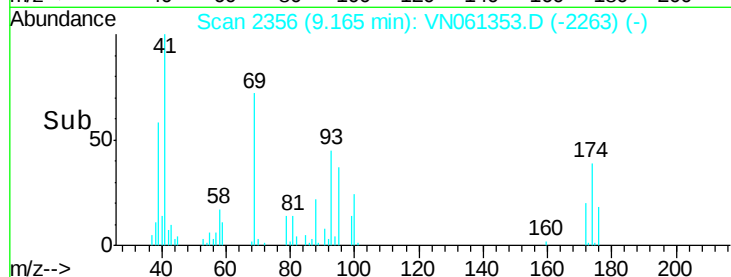
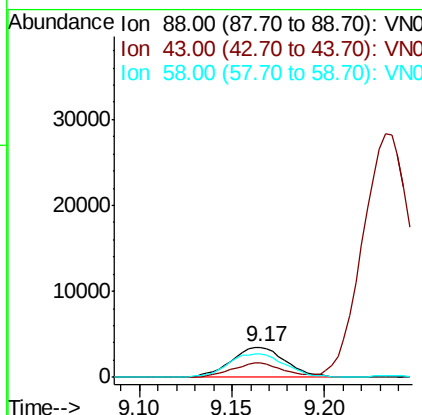
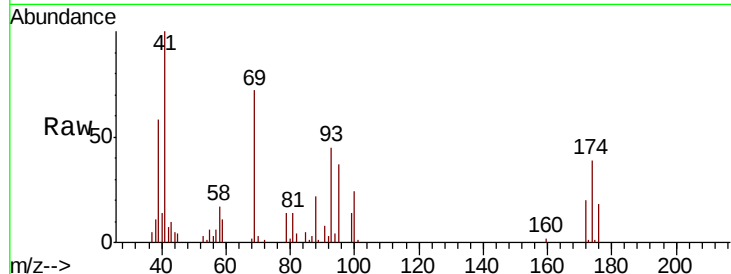
#49
1,4-Dioxane
Concen: 444.351 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampled :
VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.3	35.3	52.9
58	81.3	61.5	92.3

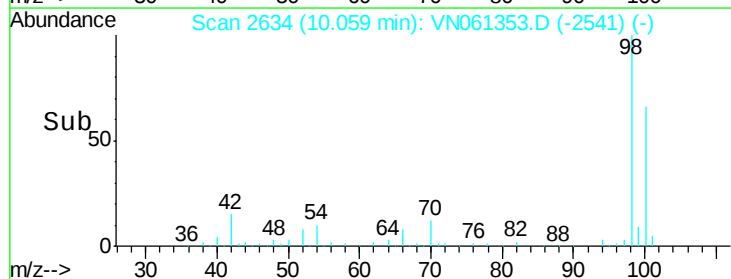
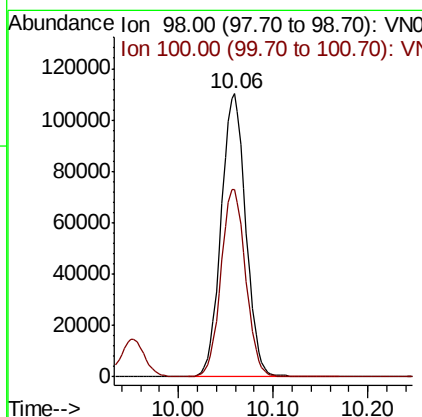
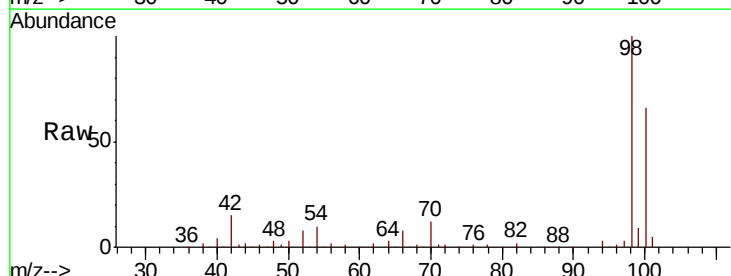
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#50
Toluene-d8
Concen: 51.650 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.0





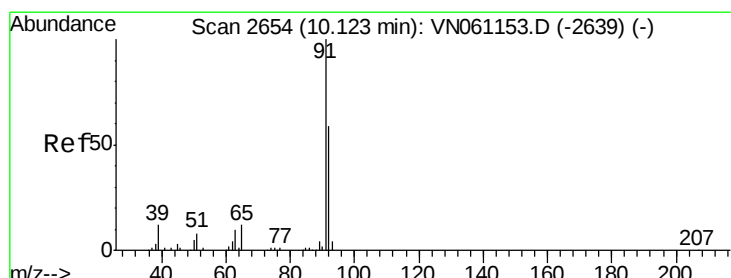
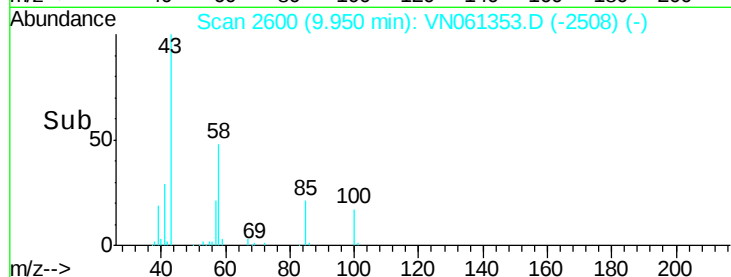
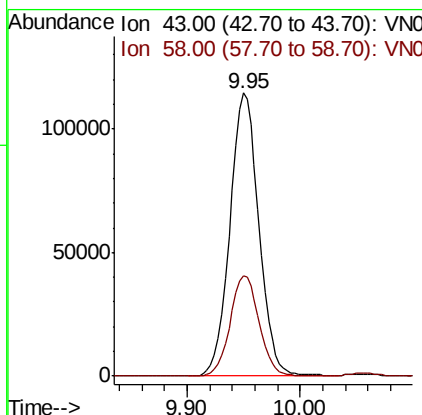
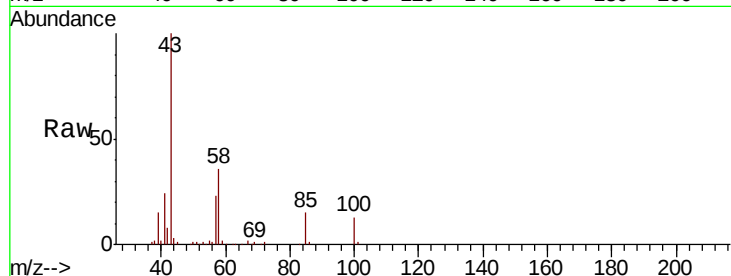
#51
4-Methyl-2-Pentanone
Concen: 110.658 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.5	29.1	43.7

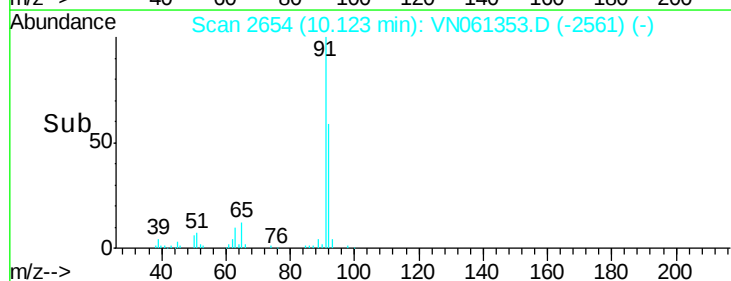
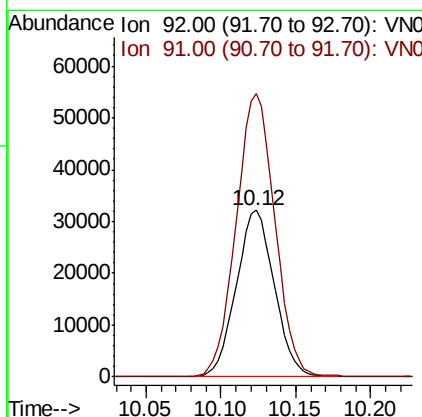
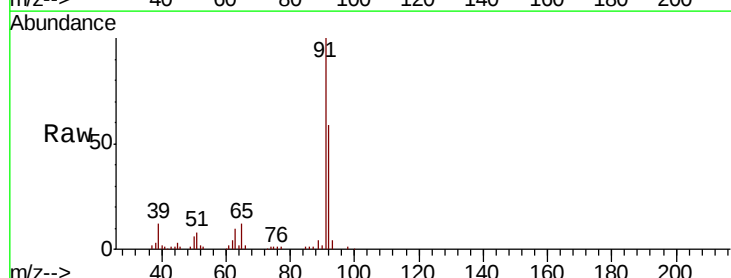
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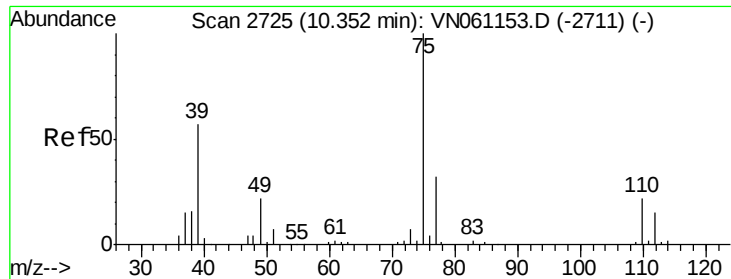
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#52
Toluene
Concen: 19.775 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.2	204.2





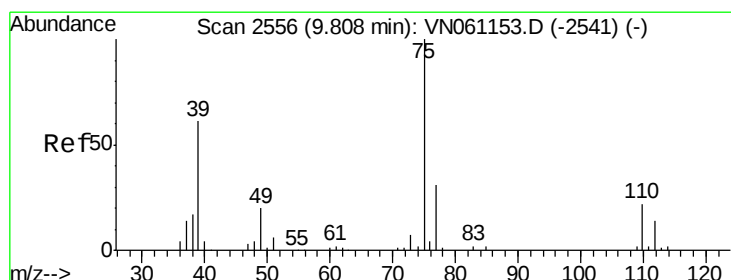
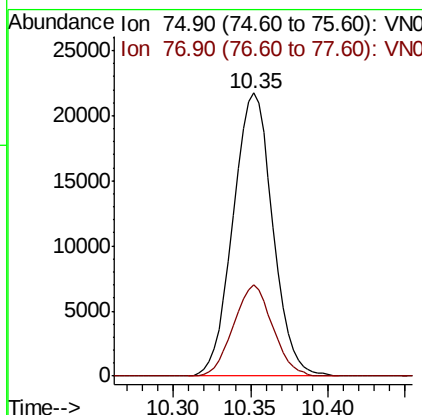
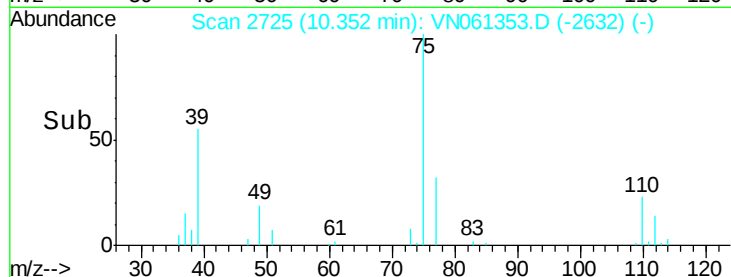
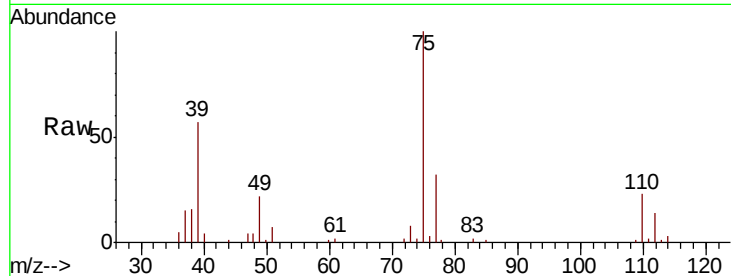
#53
t-1,3-Dichloropropene
Concen: 20.176 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion: 75 Resp: 38697
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3

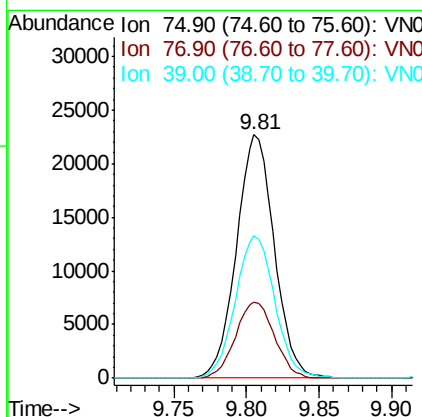
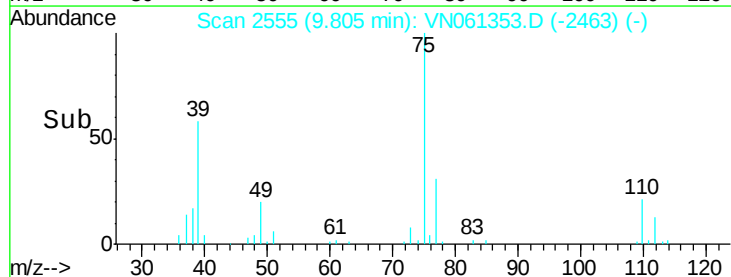
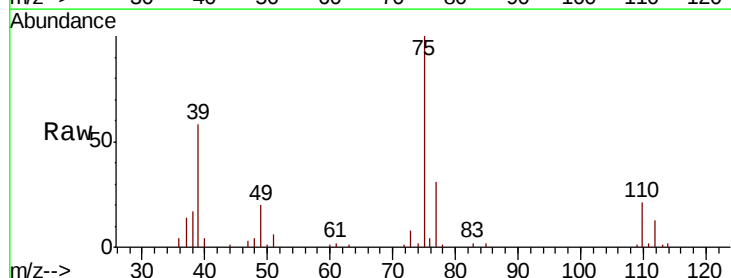
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#54
cis-1,3-Dichloropropene
Concen: 20.285 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion: 75 Resp: 41131
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4
39 58.4 48.7 73.1





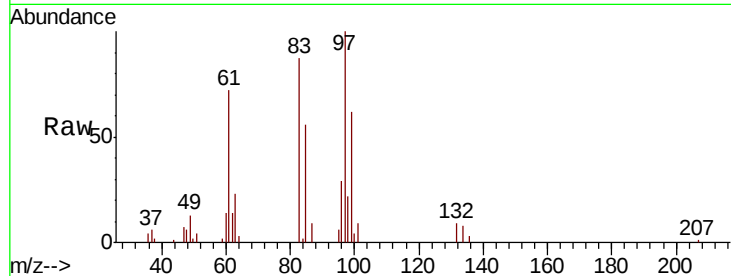
#55
 1,1,2-Trichloroethane
 Concen: 20.762 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBSD01

Tot Ion:	97	Resp:	23913
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.6	106.0
85	55.7	46.4	69.6
99	62.3	50.6	75.8

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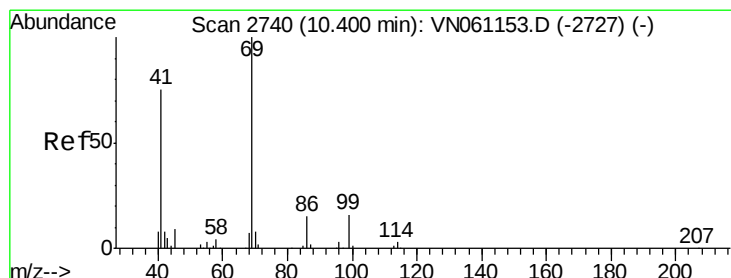
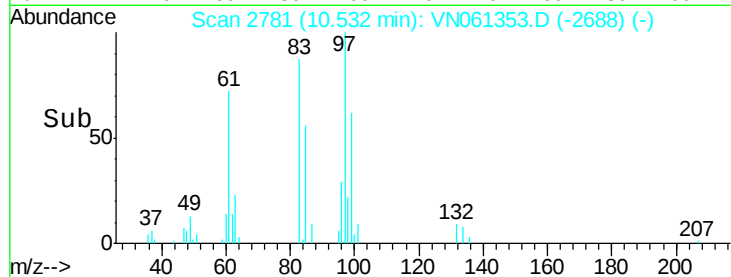
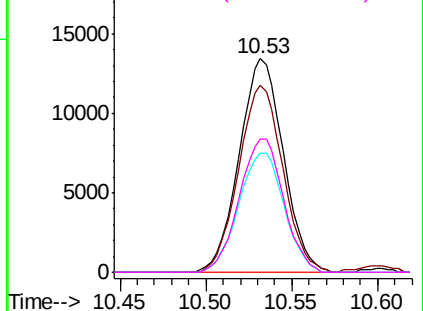
Abundance

Ion 96.90 (96.60 to 97.60): VN061353.D (-2688) (-)

Ion 82.90 (82.60 to 83.60): VN061353.D (-2688) (-)

Ion 84.90 (84.60 to 85.60): VN061353.D (-2688) (-)

Ion 98.90 (98.60 to 99.60): VN061353.D (-2688) (-)



#56
 Ethyl methacrylate
 Concen: 19.489 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

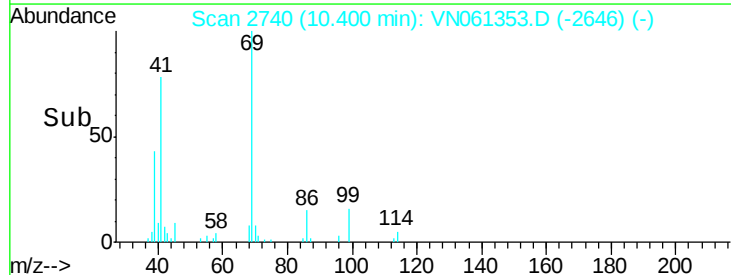
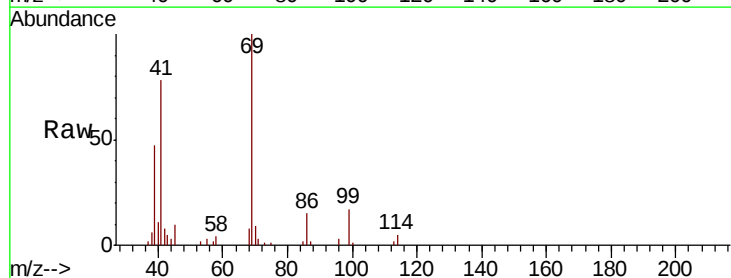
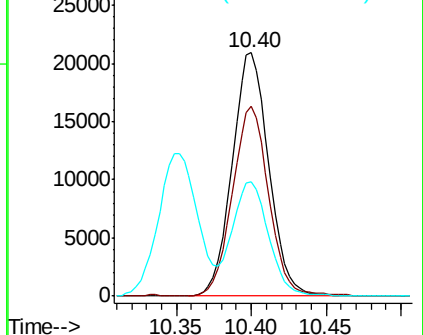
Tgt Ion:	69	Resp:	35584
Ion	Ratio	Lower	Upper
69	100		
41	77.6	60.3	90.5
39	46.7	35.9	53.9

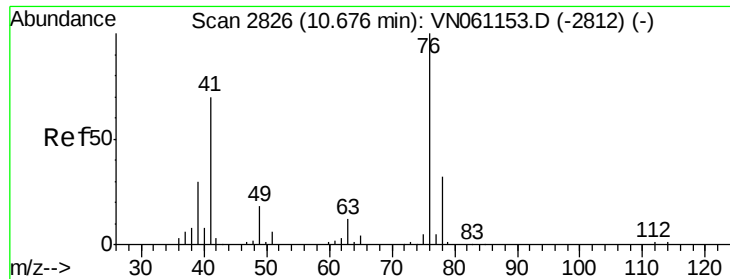
Abundance

Ion 69.00 (68.70 to 69.70): VN061353.D (-2646) (-)

Ion 41.00 (40.70 to 41.70): VN061353.D (-2646) (-)

Ion 39.00 (38.70 to 39.70): VN061353.D (-2646) (-)





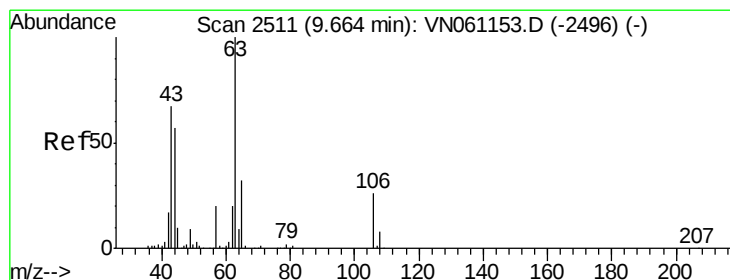
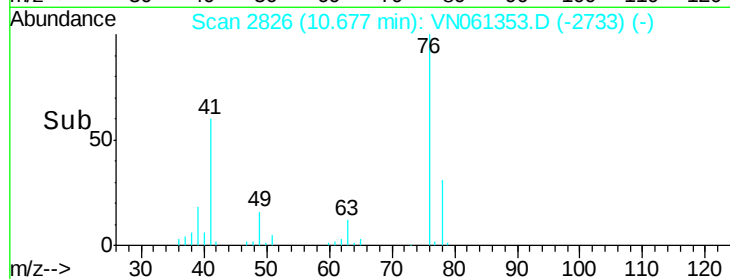
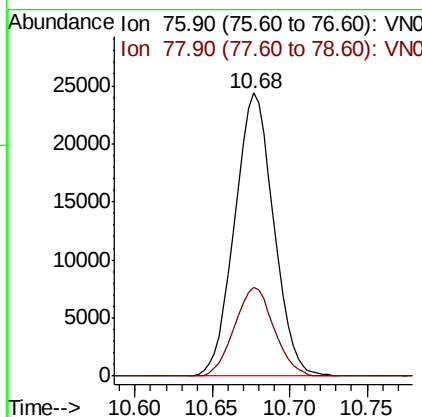
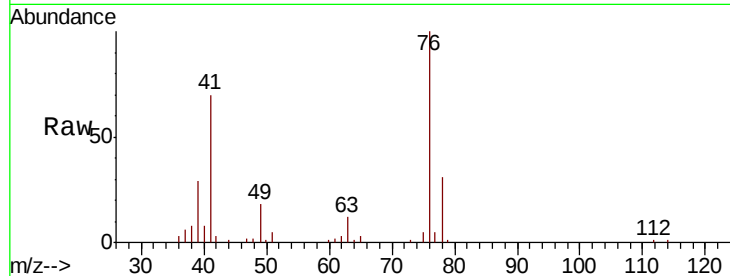
#57
 1,3-Dichloropropane
 Concen: 21.076 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBSD01

Tot Ion: 76 Resp: 42670
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.5 38.3

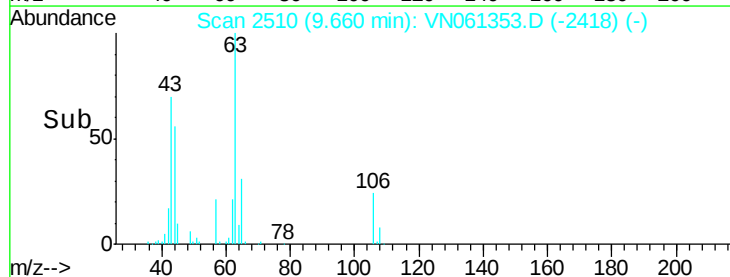
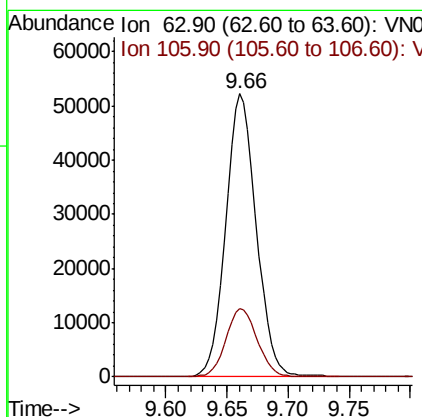
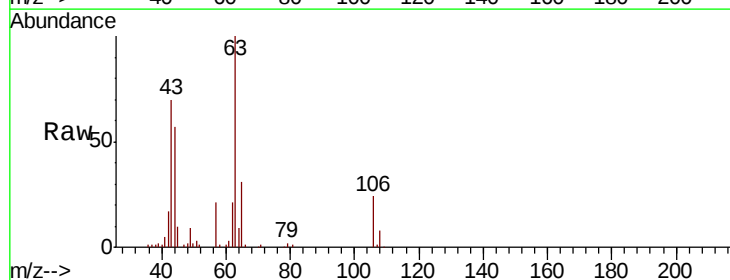
Manual Integrations
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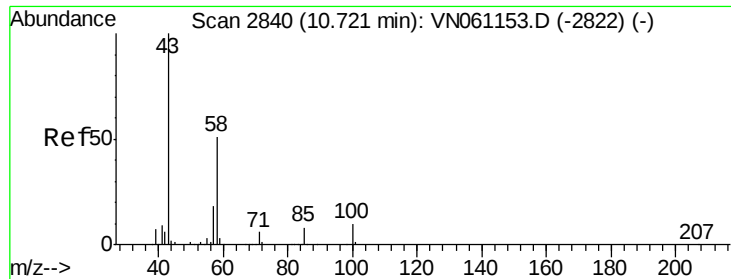
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 5/11/2020 12:36:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.946 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Tgt Ion: 63 Resp: 91316
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.6 30.8





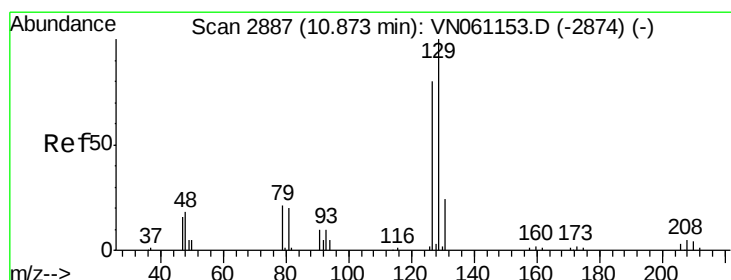
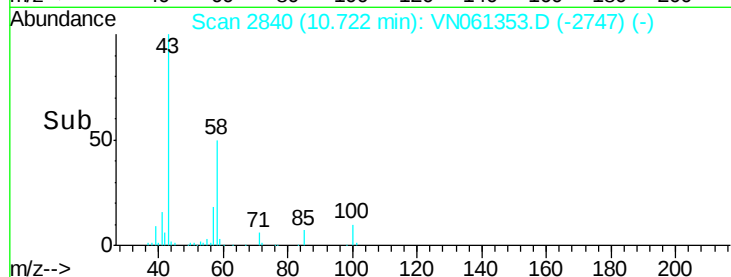
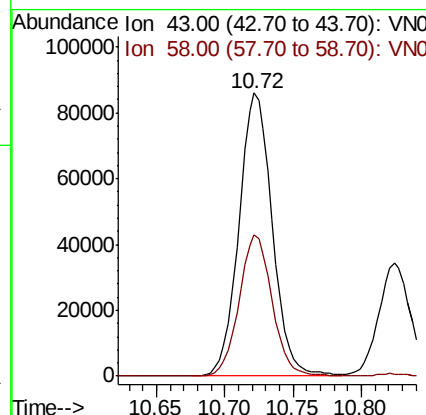
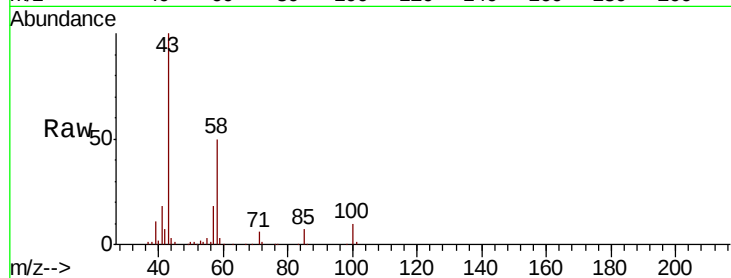
#59
2-Hexanone
Concen: 108.734 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion: 43 Resp: 145780
Ion Ratio Lower Upper
43 100
58 49.5 25.4 76.4

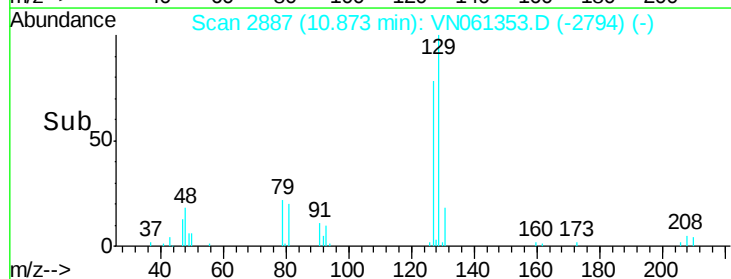
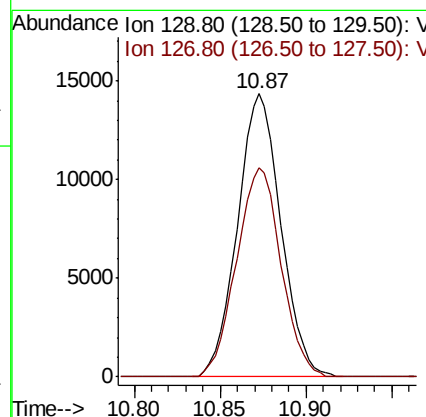
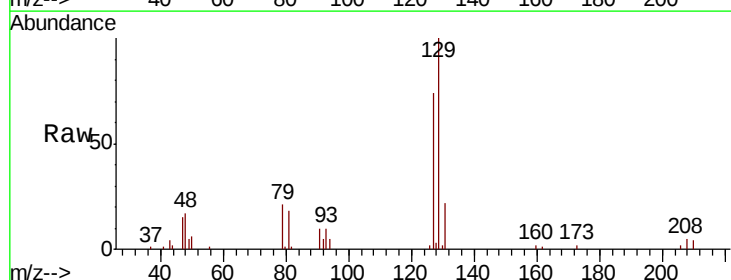
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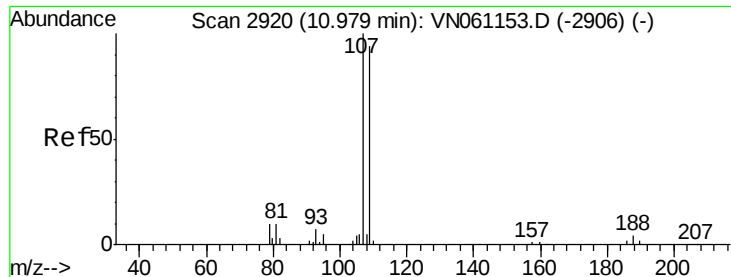
MMDadoda
5/11/2020 12:36:37 PM



#60
Dibromochloromethane
Concen: 20.803 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion: 129 Resp: 25095
Ion Ratio Lower Upper
129 100
127 75.8 39.3 117.8





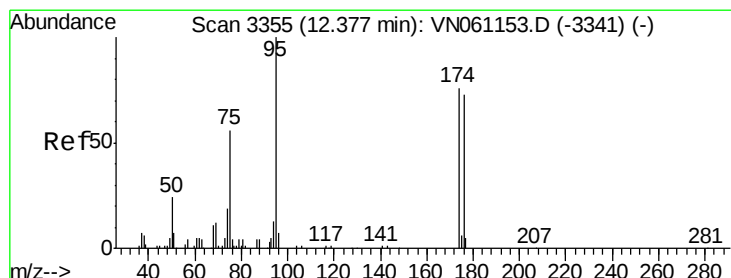
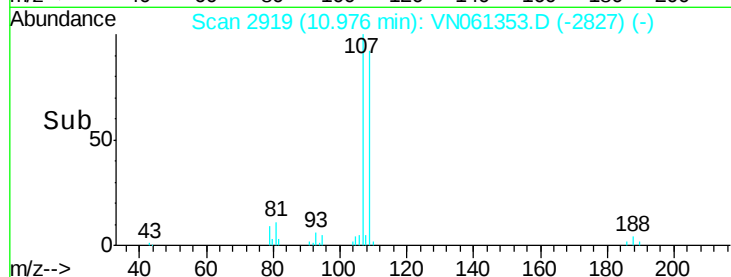
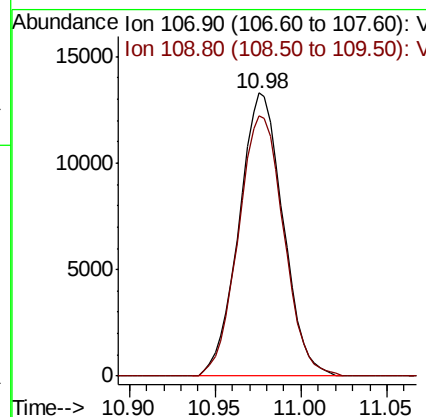
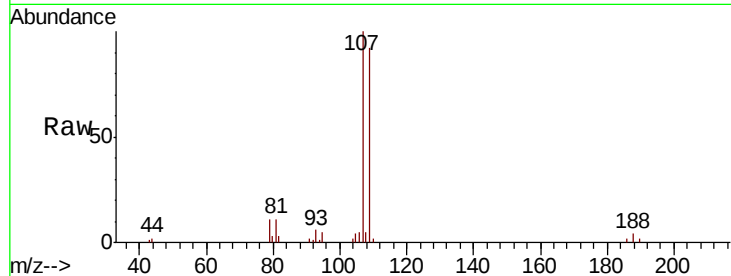
#61
 1,2-Dibromoethane
 Concen: 20.471 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.8	112.2

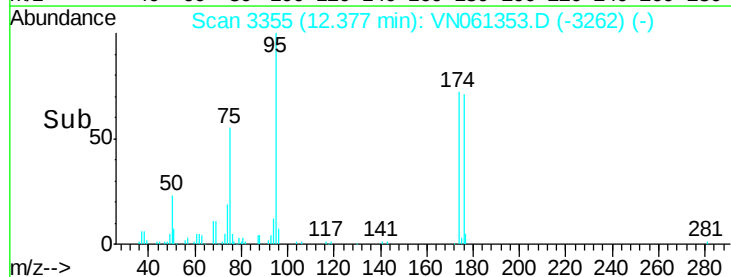
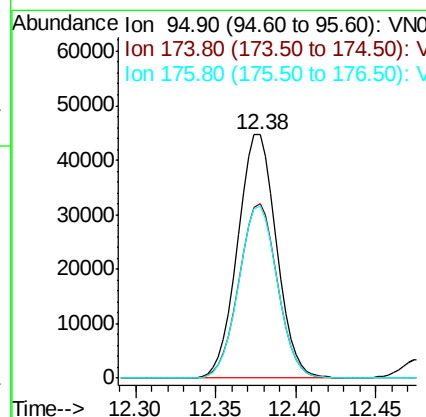
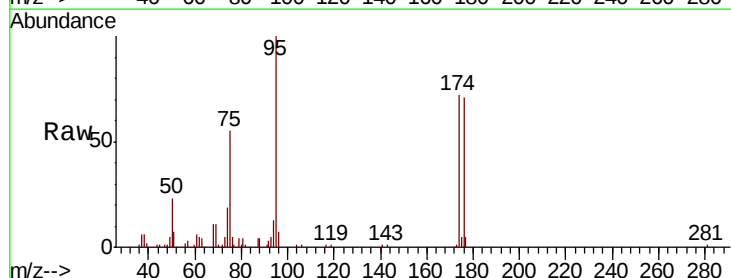
Manual Integrations
 APPROVED

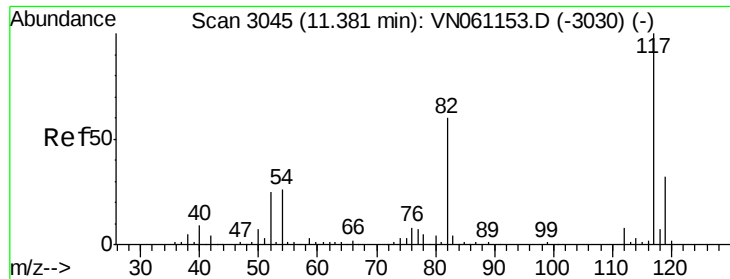
MMDadoda
 5/11/2020 12:36:37 PM



#62
 4-Bromofluorobenzene
 Concen: 50.618 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	149.4
176	70.3	0.0	144.8





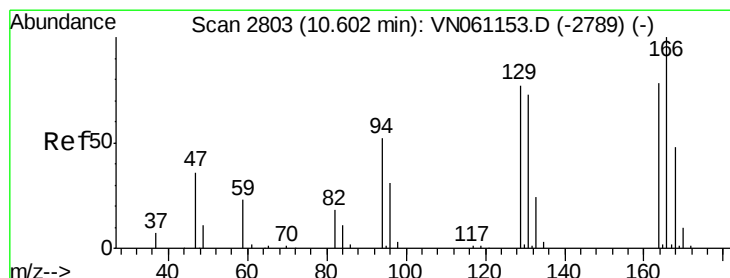
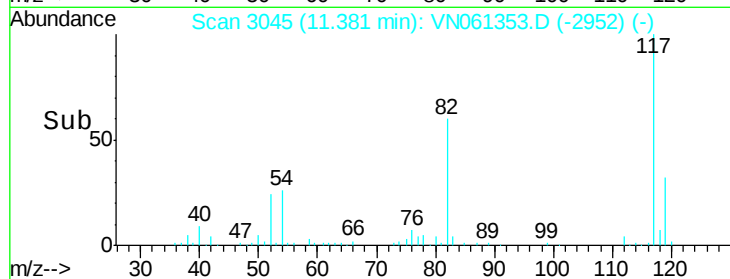
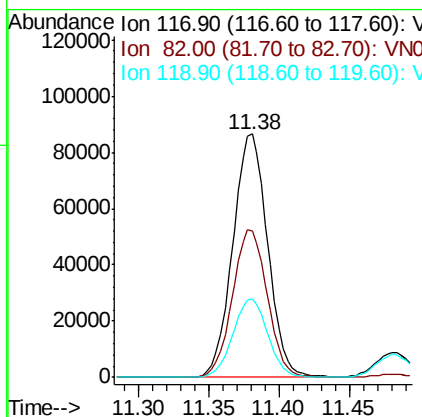
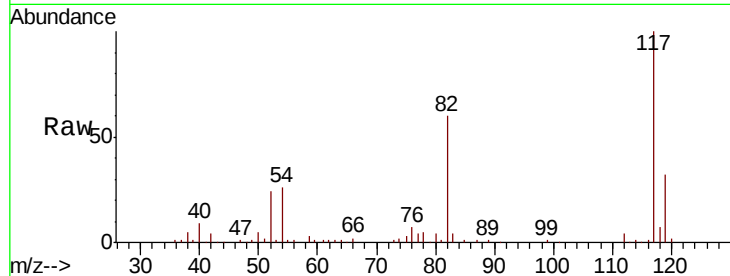
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	149939		
82	60.1	47.8	71.8	
119	32.2	25.8	38.6	

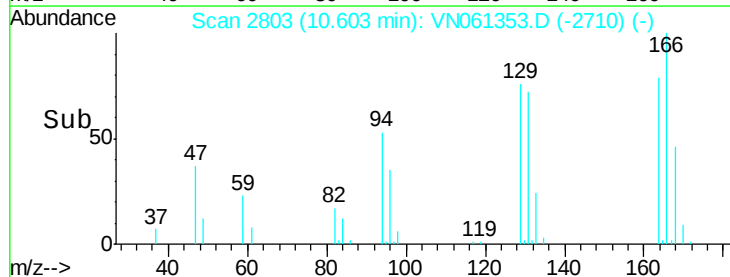
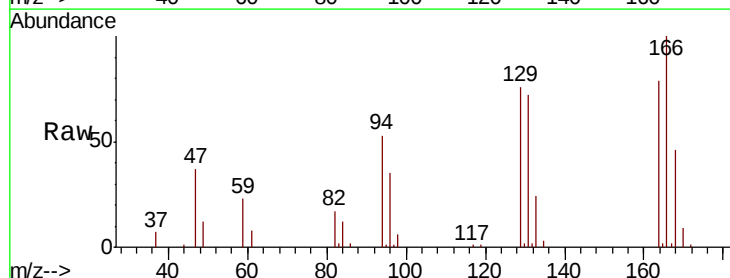
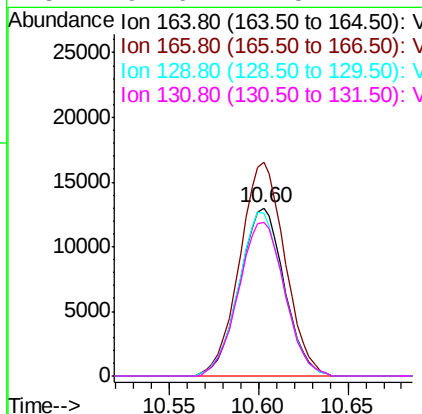
Manual Integrations
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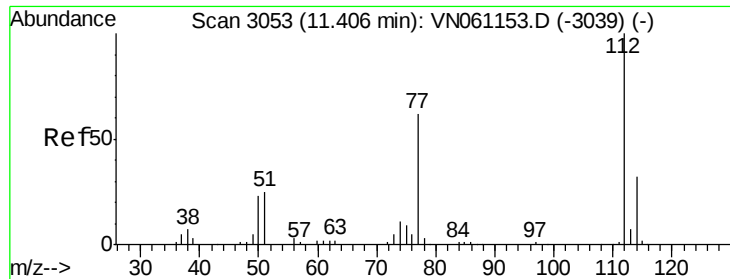
MMDadoda
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#64
Tetrachloroethene
Concen: 17.530 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	22765		
166	127.0	102.0	153.0	
129	97.1	78.2	117.2	
131	91.6	74.5	111.7	





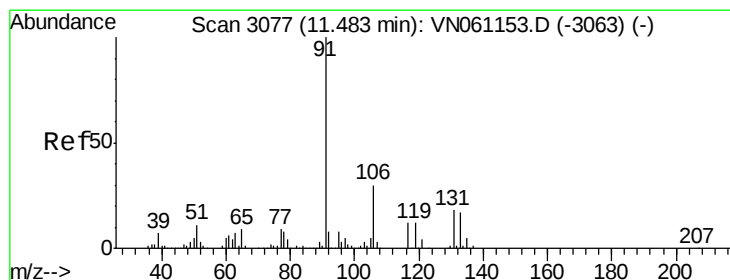
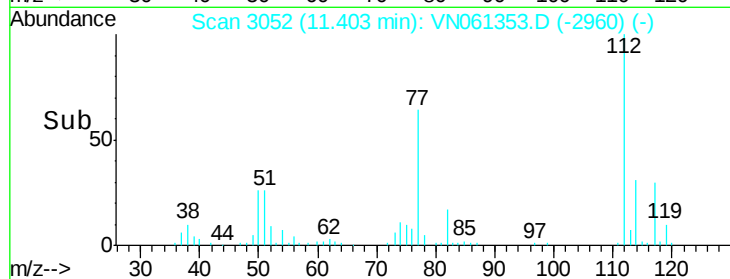
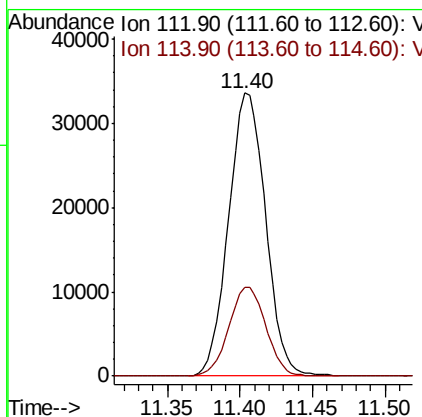
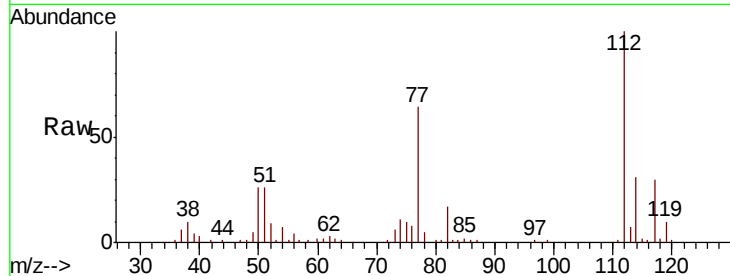
#65
Chlorobenzene
Concen: 20.046 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion:112 Resp: 59623
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2

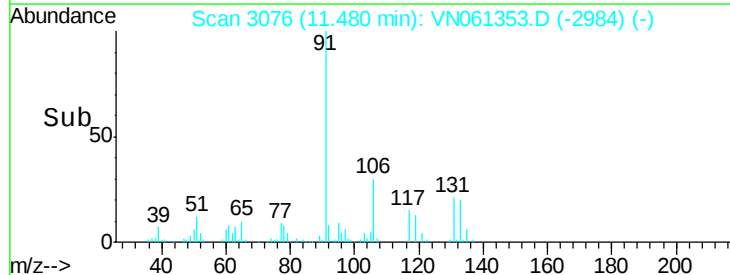
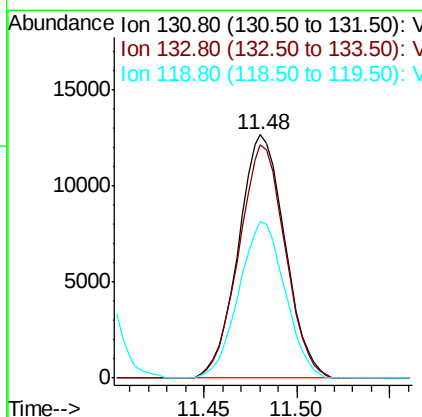
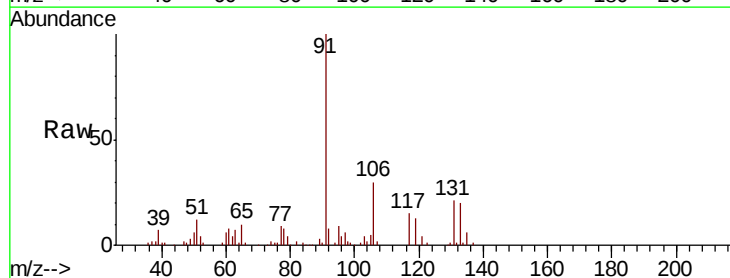
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.679 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion:131 Resp: 22013
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.2
119 63.8 32.6 97.8





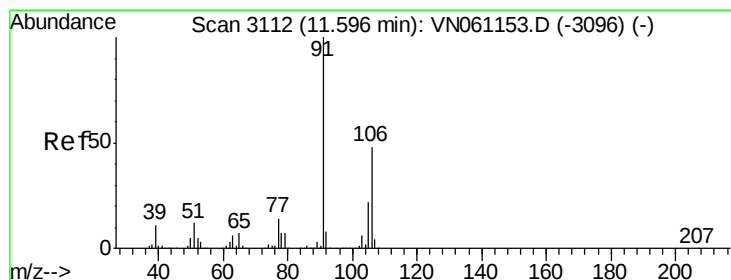
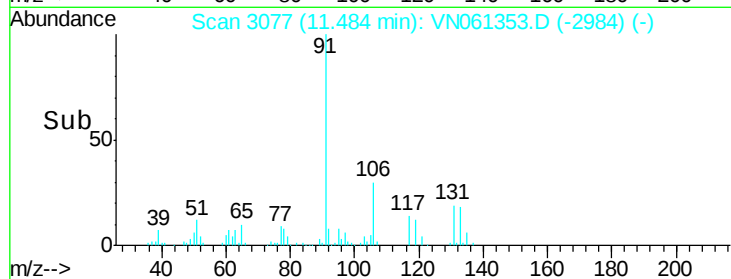
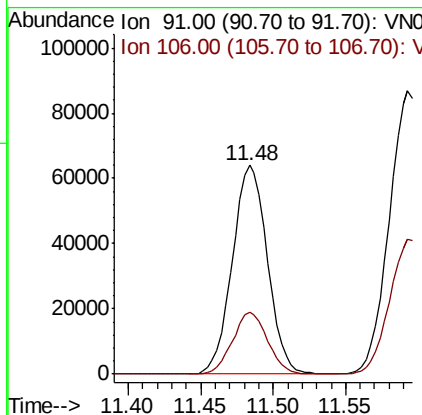
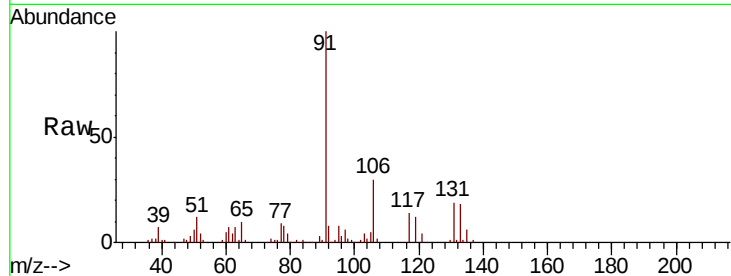
#67
Ethyl Benzene
Concen: 19.251 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion: 91 Resp: 107189
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

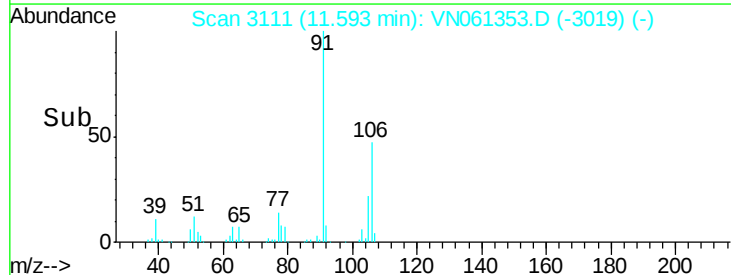
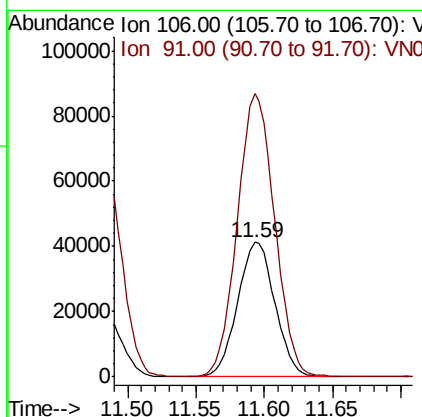
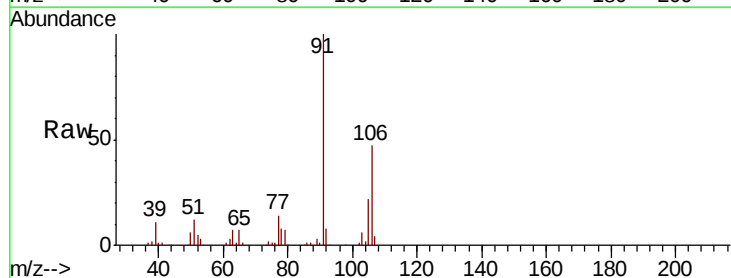
Manual Integrations
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#68
m/p-Xylenes
Concen: 38.538 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion: 106 Resp: 78540
Ion Ratio Lower Upper
106 100
91 210.3 166.4 249.6





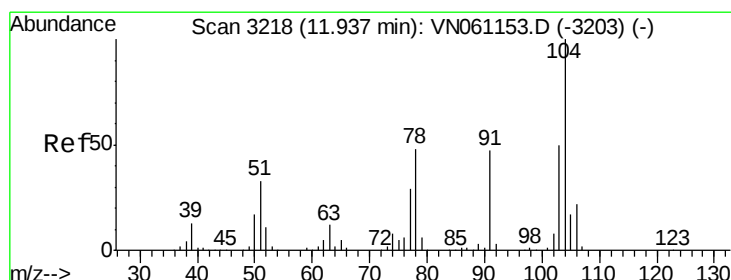
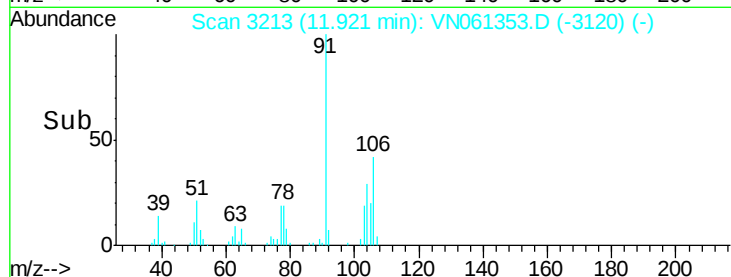
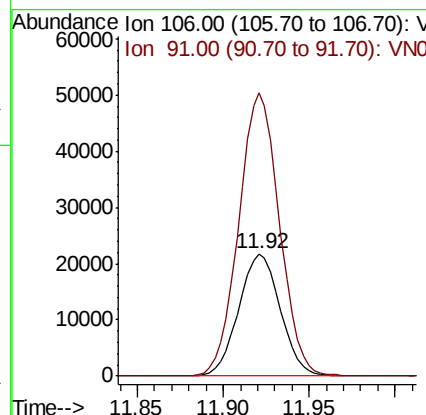
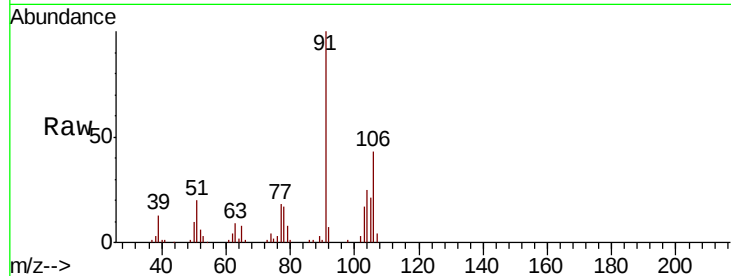
#69
o-Xylene
Concen: 18.629 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		36468		
91	226.5	109.7	329.0		

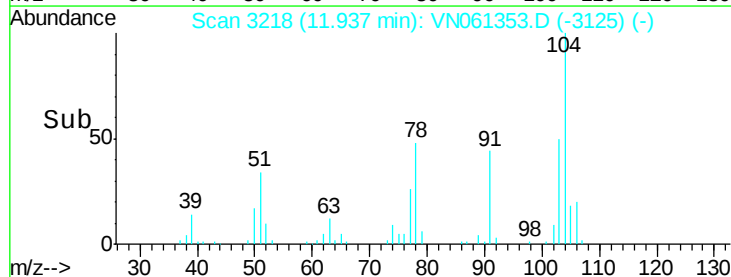
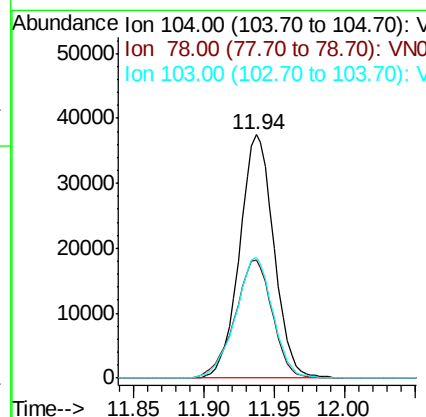
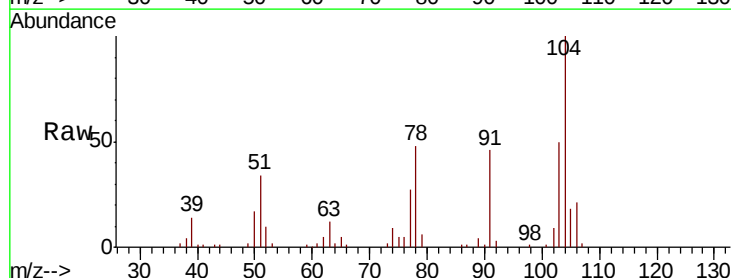
Manual Integrations
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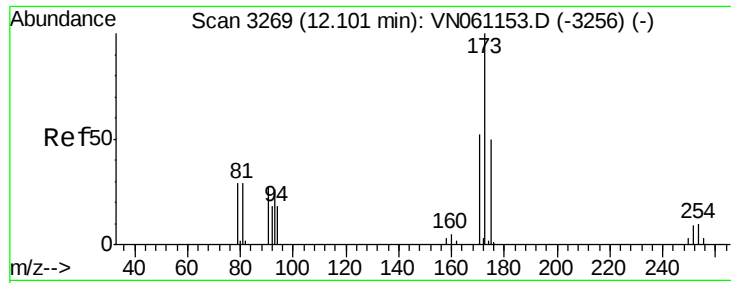
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#70
Styrene
Concen: 19.477 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		63816		
78	53.1	42.1	63.1		
103	53.7	43.3	64.9		





#71

Bromoform

Concen: 21.301 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBSD01

Tot Ion:173 Resp: 16665

Ion Ratio Lower Upper

173 100

175 46.6 24.1 72.4

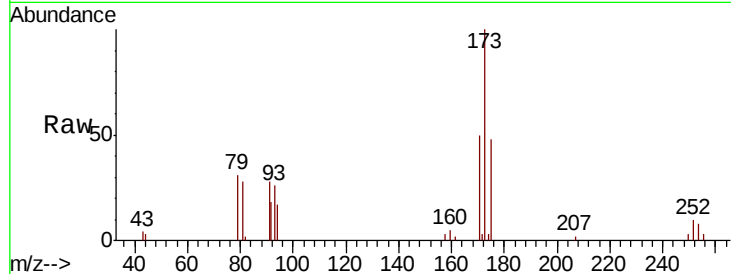
254 0.0 0.0 0.0

Manual Integrations

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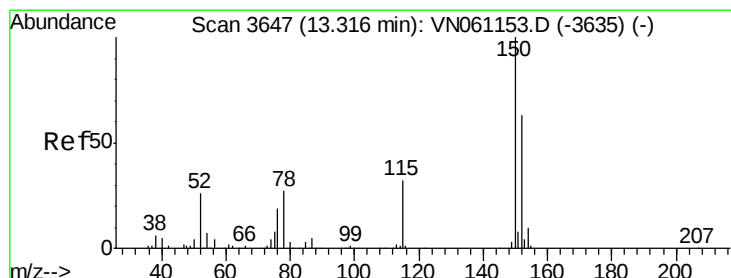
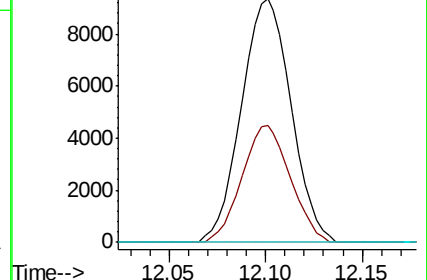
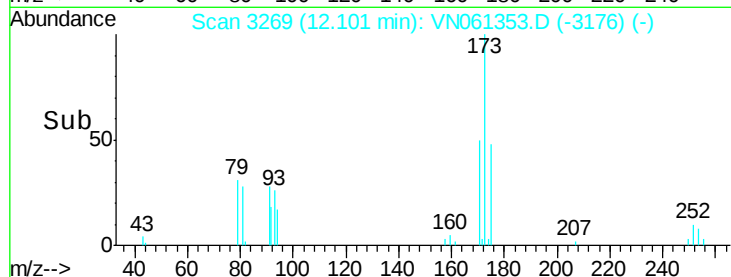
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

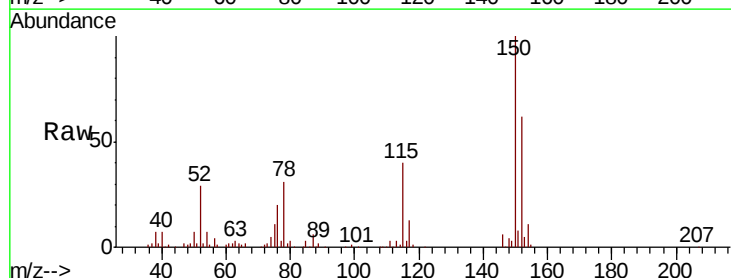
Tgt Ion:152 Resp: 69230

Ion Ratio Lower Upper

152 100

115 62.5 31.0 93.0

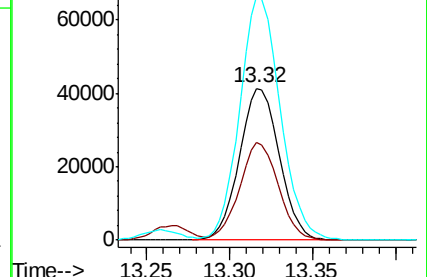
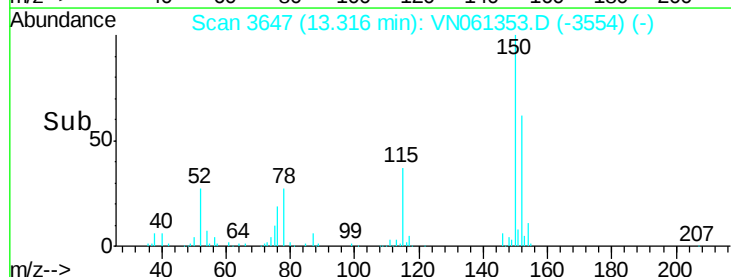
150 163.2 0.0 351.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





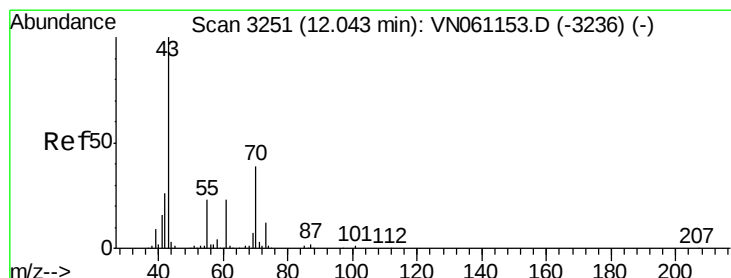
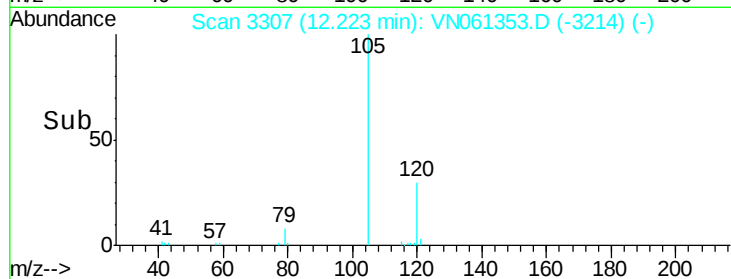
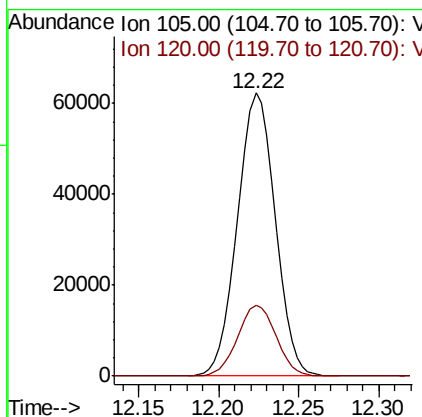
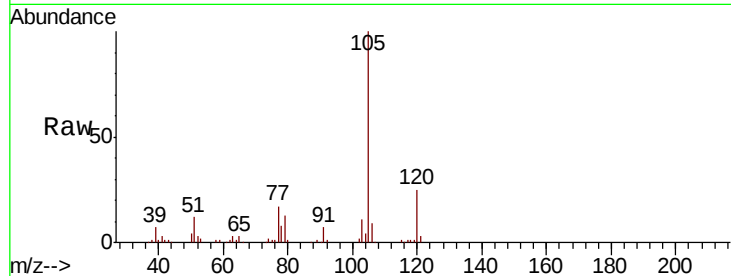
#73
Isopropylbenzene
Concen: 19.702 ug/l
RT: 12.22 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.6	37.8

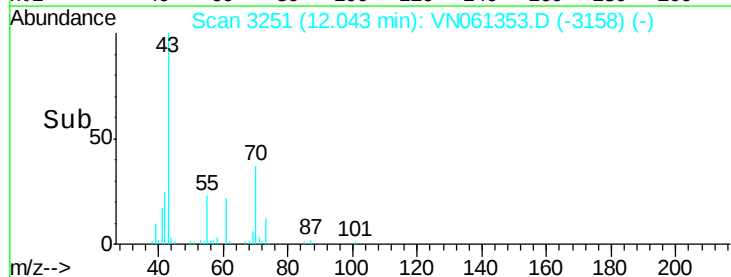
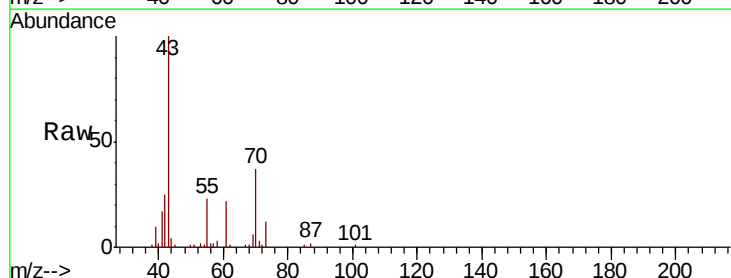
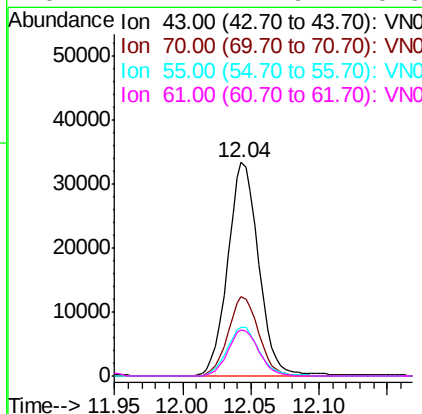
Manual Integrations
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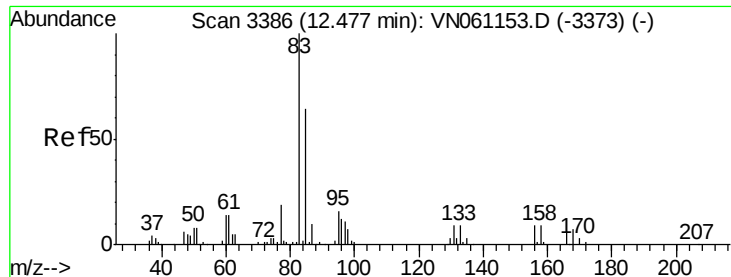
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#74
N-ethyl acetate
Concen: 20.475 ug/l
RT: 12.04 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	30.6	46.0
55	23.5	18.5	27.7
61	21.4	17.9	26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.268 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

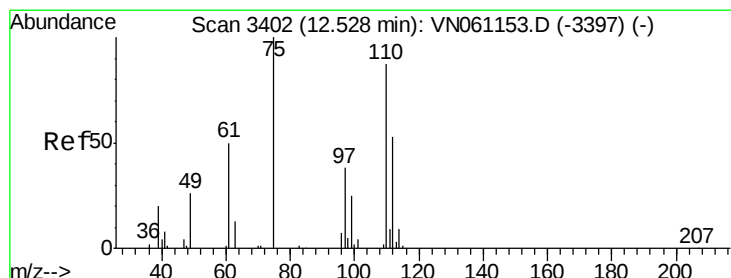
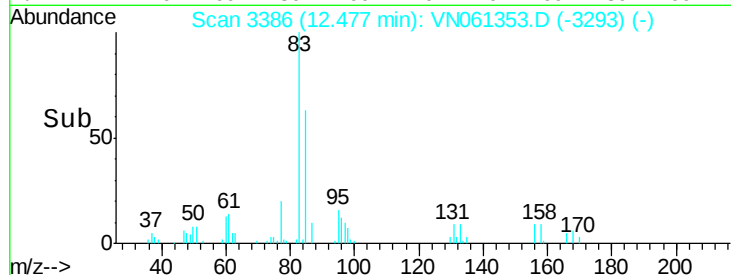
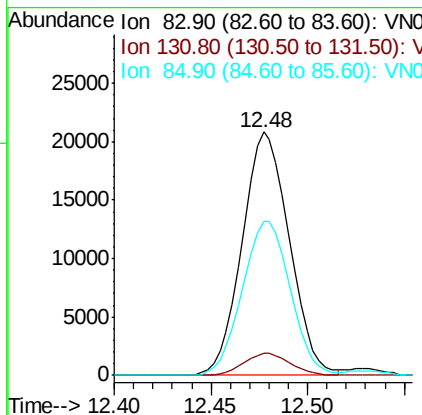
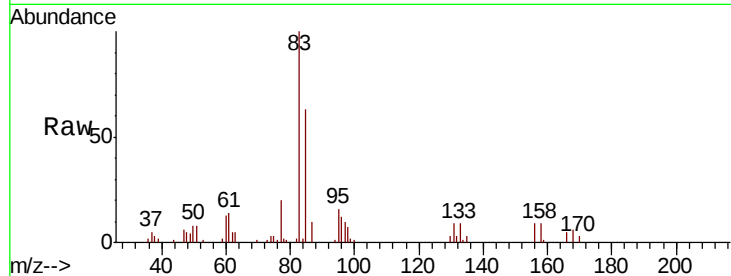
ClientSampleId :

VN0508WBSD01

Tot Ion:	83	Resp:	35339
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.8	14.3
85	64.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.808 ug/l m

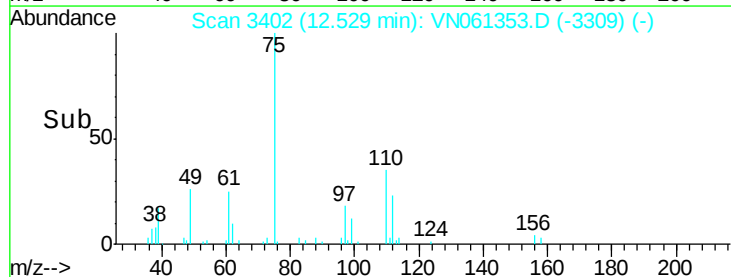
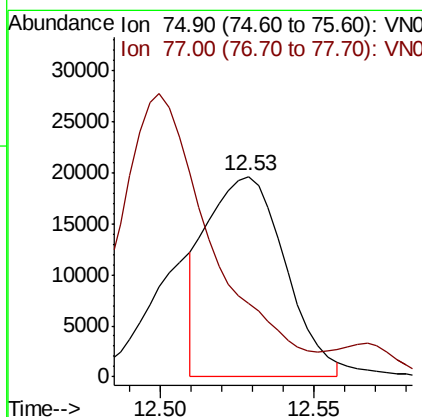
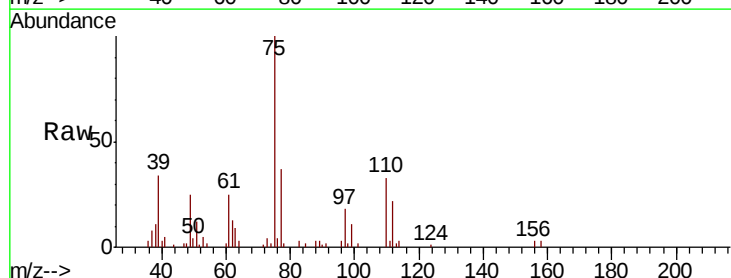
RT: 12.53 min Scan# 3402

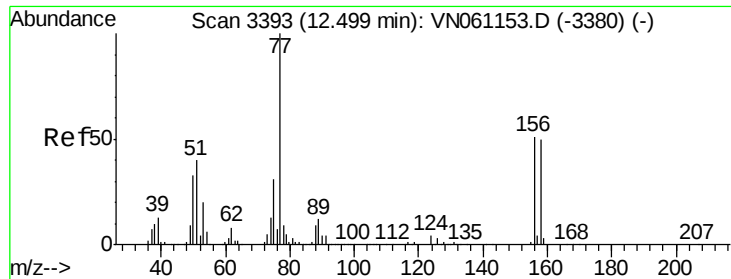
Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Tgt Ion:	75	Resp:	34749
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.752 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBSD01

Tot Ion:156 Resp: 24381

Ion Ratio Lower Upper

156 100

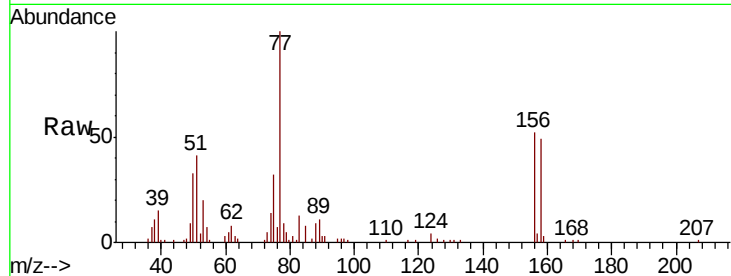
77 239.1 117.4 352.2

158 96.6 48.4 145.0

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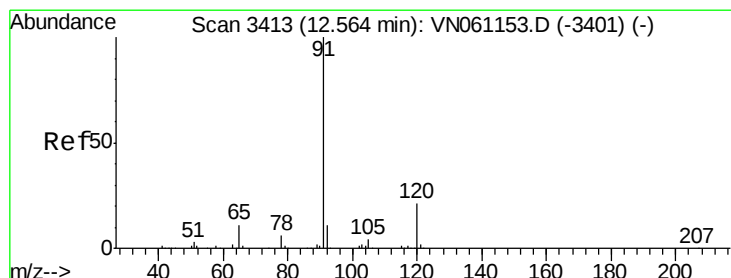
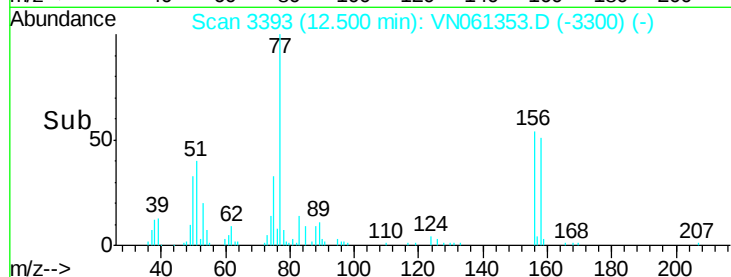
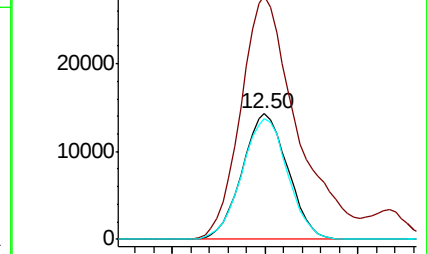
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.881 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061353.D

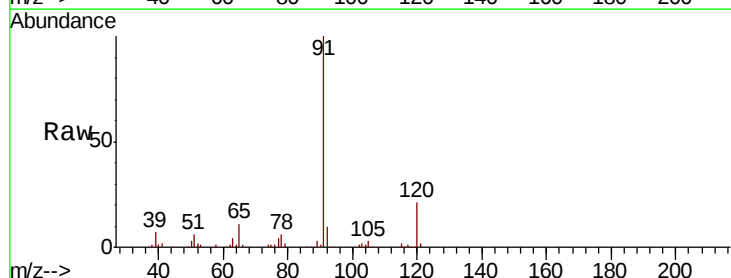
Acq: 8 May 2020 11:53

Tgt Ion: 91 Resp: 120016

Ion Ratio Lower Upper

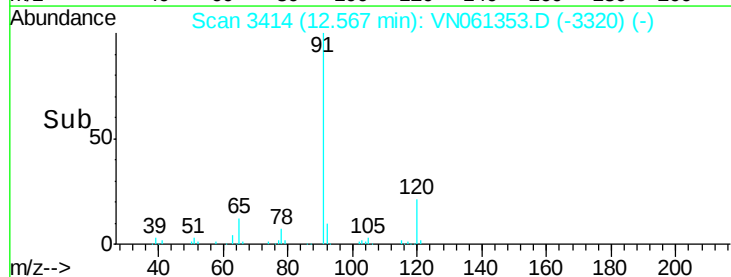
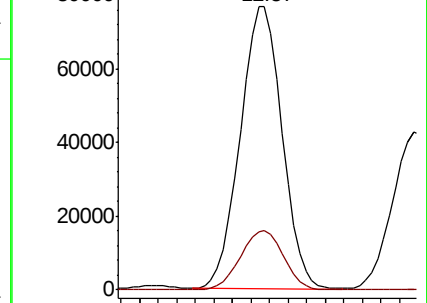
91 100

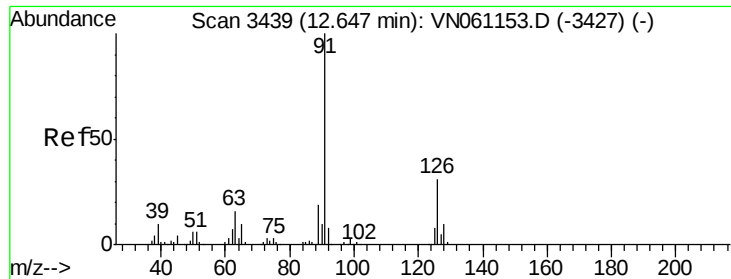
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.223 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampled :

VN0508WBSD01

Tot Ion: 91 Resp: 71754

Ion Ratio Lower Upper

91 100

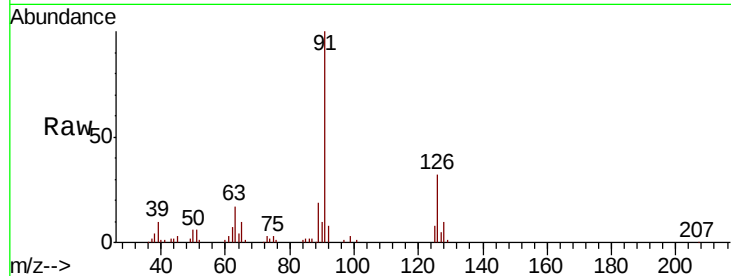
126 31.6 15.9 47.7

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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)

80000

60000

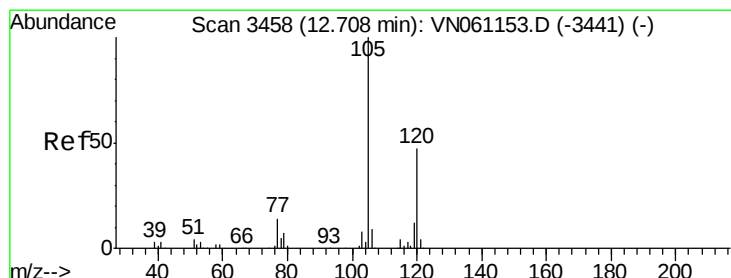
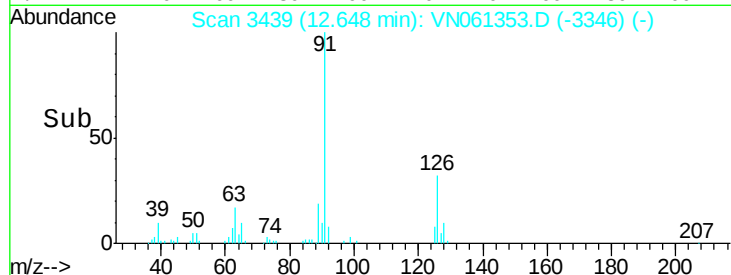
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.111 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061353.D

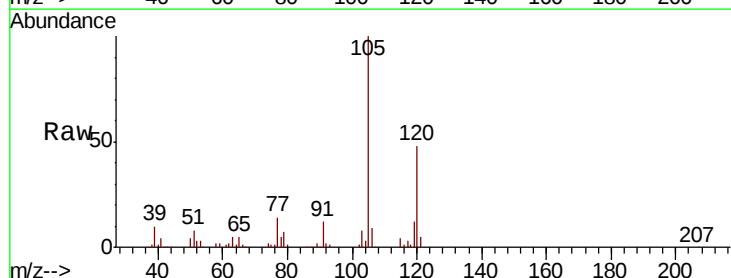
Acq: 8 May 2020 11:53

Tgt Ion: 105 Resp: 84713

Ion Ratio Lower Upper

105 100

120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)

60000

50000

40000

30000

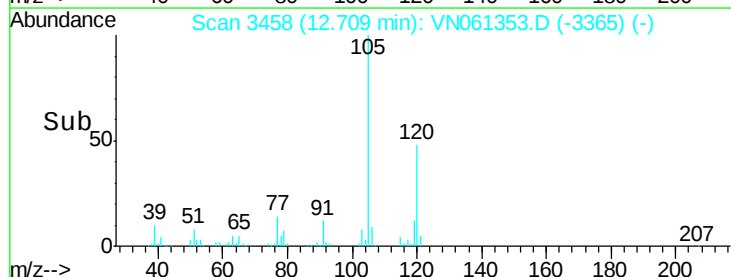
20000

10000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.934 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBSD01

Tot Ion: 75 Resp: 12032

Ion Ratio Lower Upper

75 100

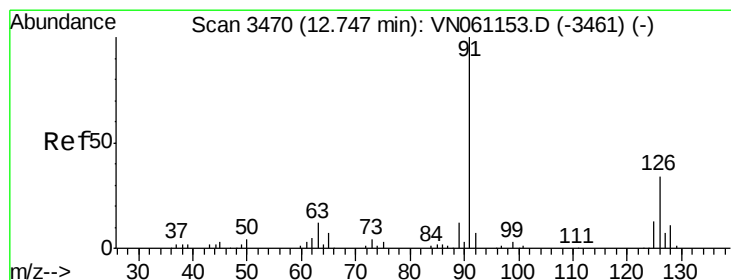
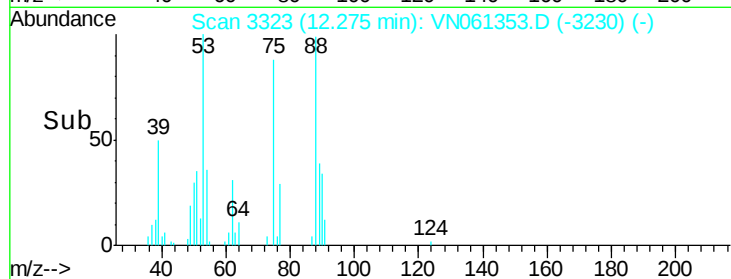
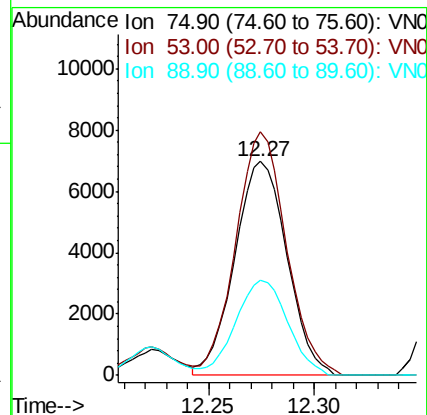
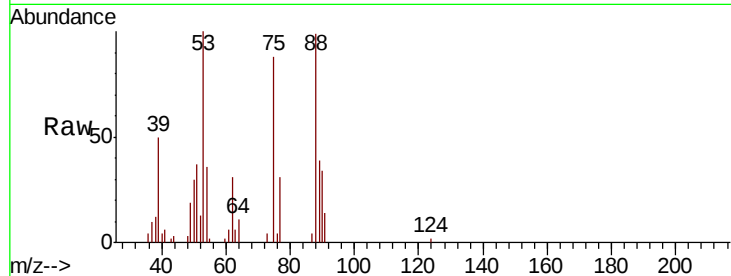
53 110.2 84.1 126.1

89 43.9 35.2 52.8

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#82

4-Chlorotoluene

Concen: 20.314 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061353.D

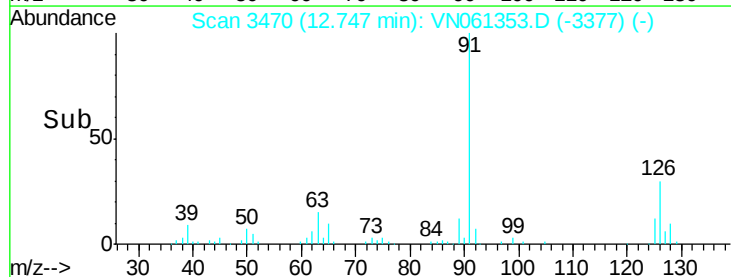
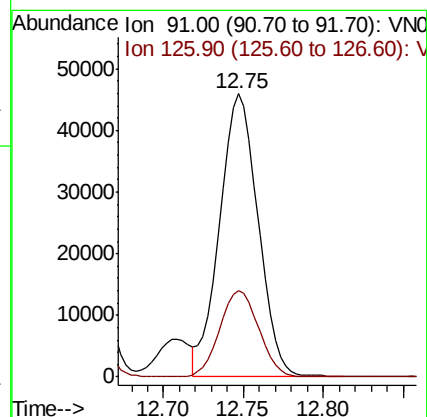
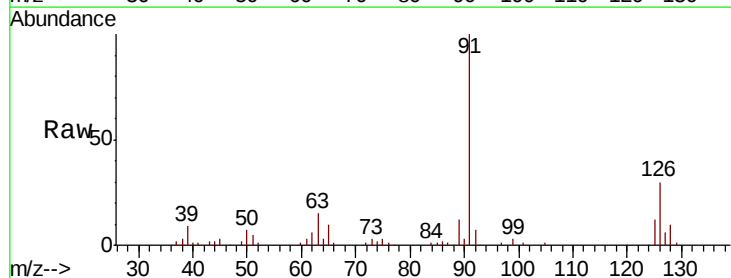
Acq: 8 May 2020 11:53

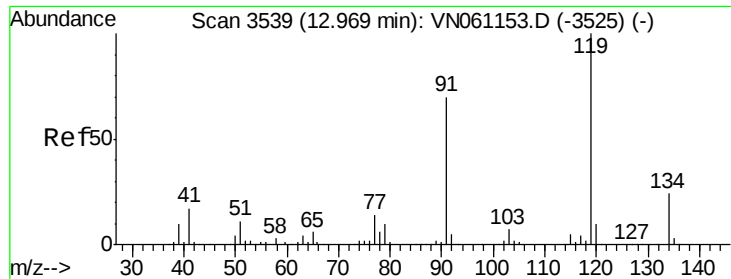
Tgt Ion: 91 Resp: 75969

Ion Ratio Lower Upper

91 100

126 30.8 15.7 47.1





#83

tert-Butylbenzene

Concen: 18.921 ug/l

RT: 12.97 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

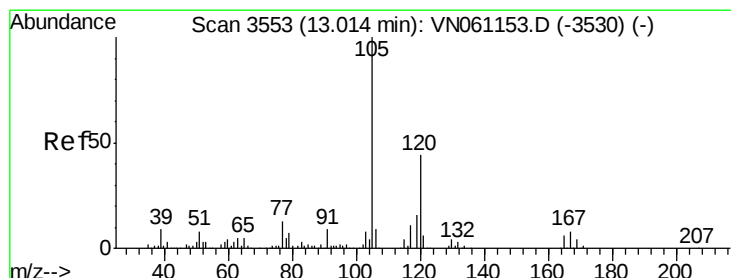
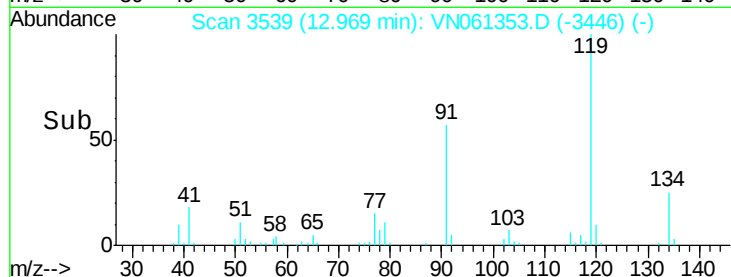
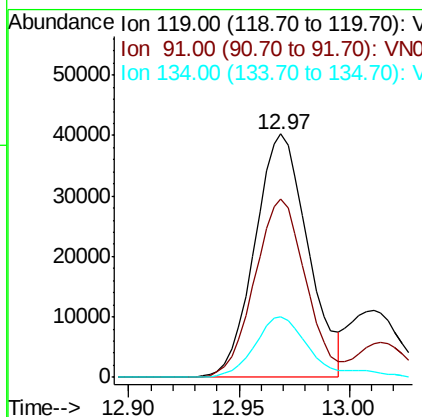
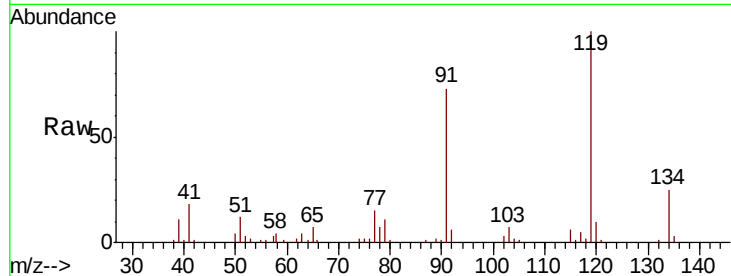
ClientSampled :

VN0508WBSD01

Tot Ion:	119	Resp:	67206
Ion Ratio	Lower	Upper	
119	100		
91	71.1	34.8	104.4
134	26.2	12.9	38.7

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#84

1,2,4-Trimethylbenzene

Concen: 19.504 ug/l

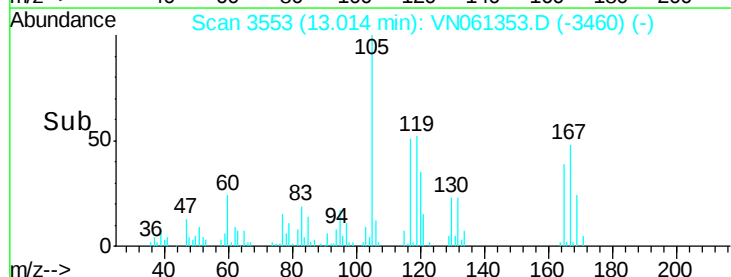
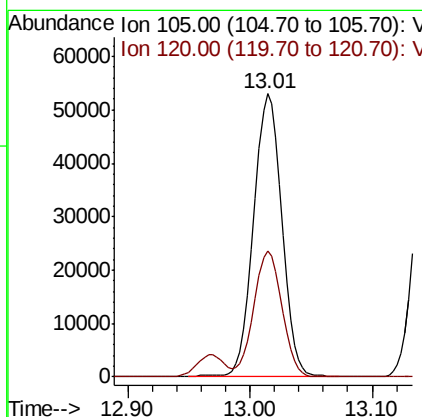
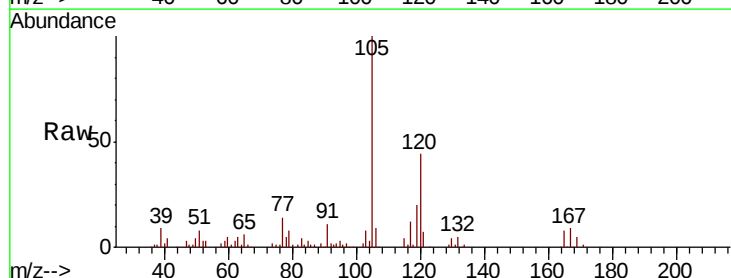
RT: 13.01 min Scan# 3553

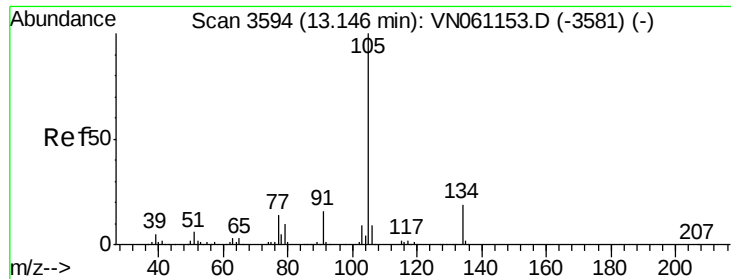
Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Tgt Ion:	105	Resp:	84643
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.2	66.6





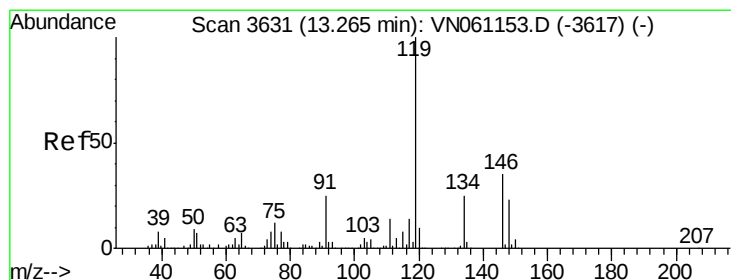
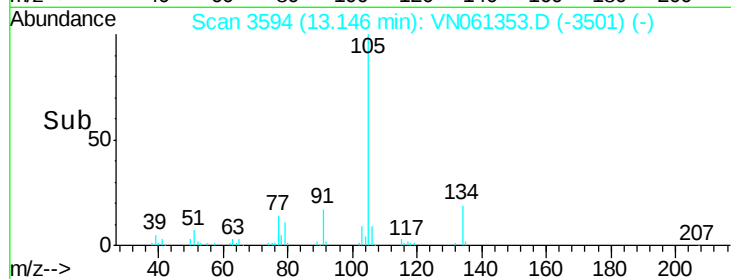
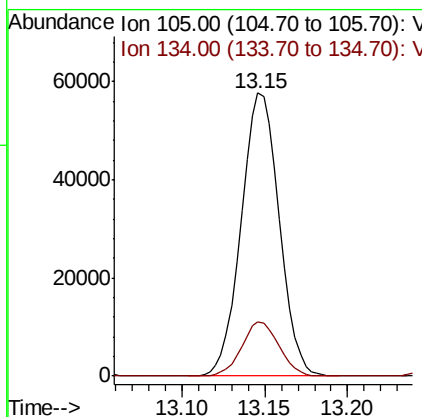
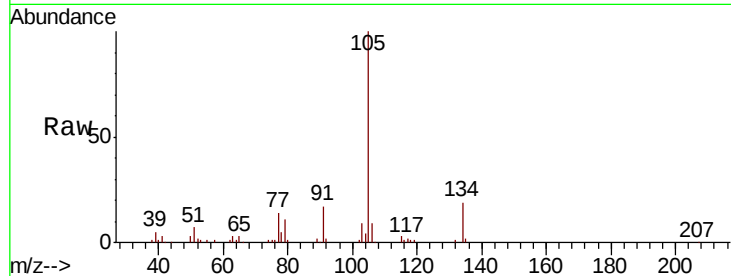
#85
 sec-Butylbenzene
 Concen: 19.022 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.6	28.8

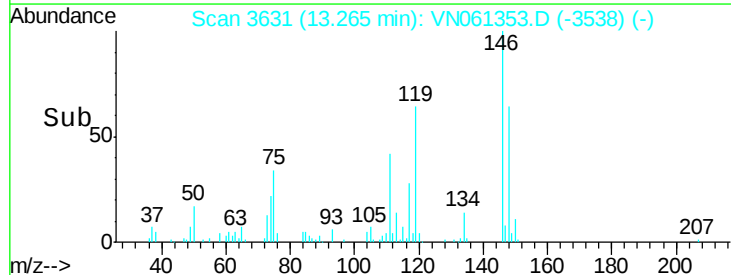
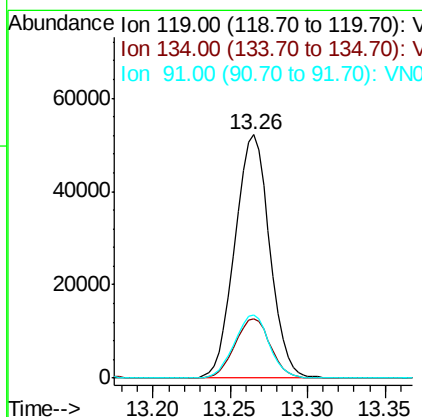
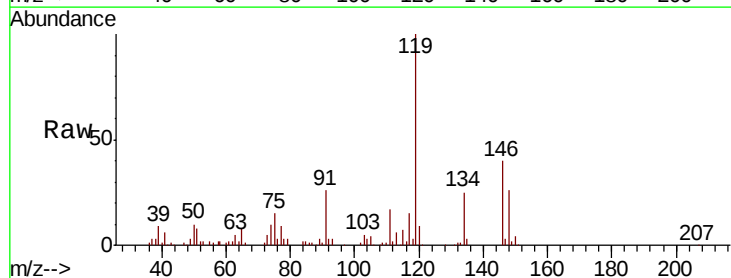
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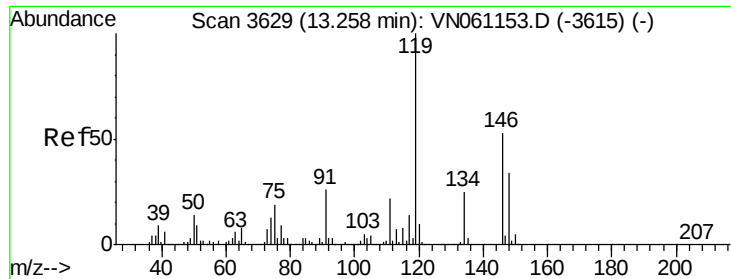
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#86
 p-Isopropyltoluene
 Concen: 18.677 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.6
91	26.1	12.7	38.0





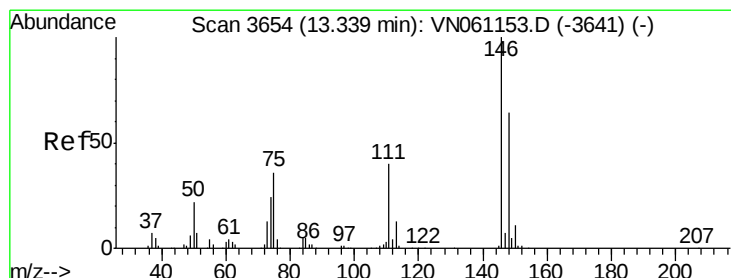
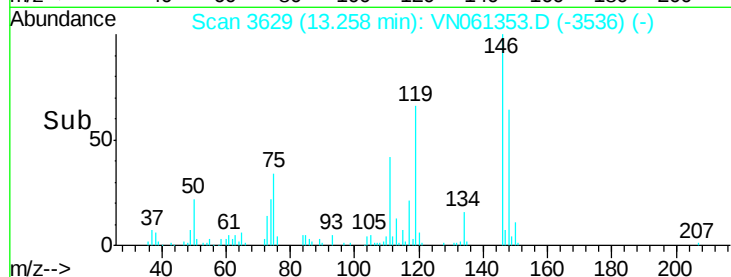
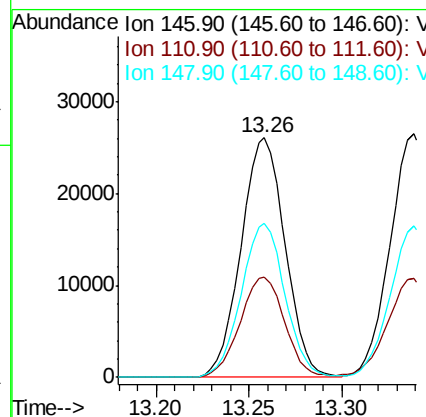
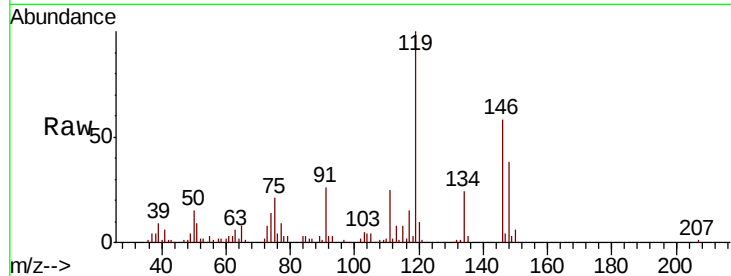
#87
 1,3-Dichlorobenzene
 Concen: 19.896 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.7	62.1
148	63.6	31.8	95.3

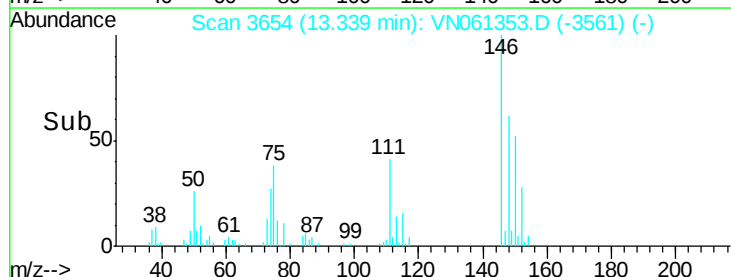
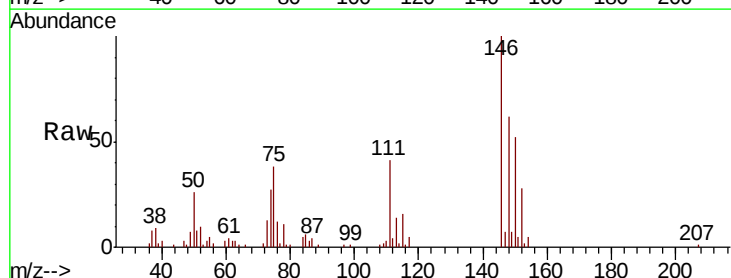
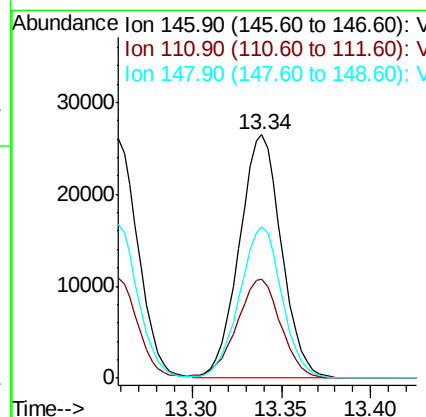
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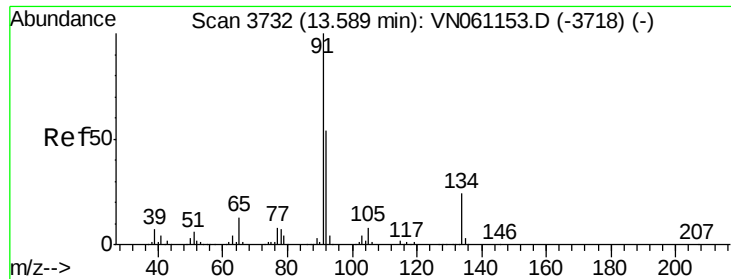
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#88
 1,4-Dichlorobenzene
 Concen: 19.821 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.4	61.3
148	62.4	31.9	95.7





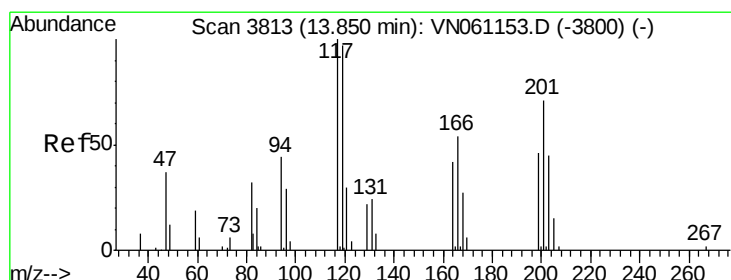
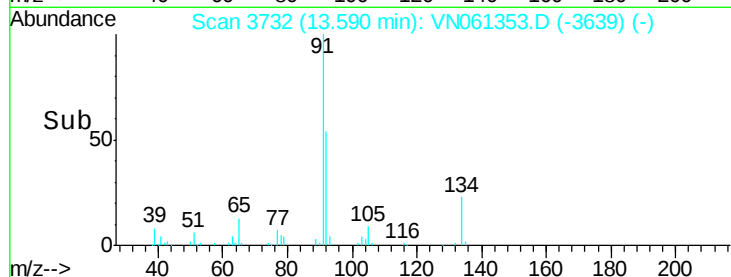
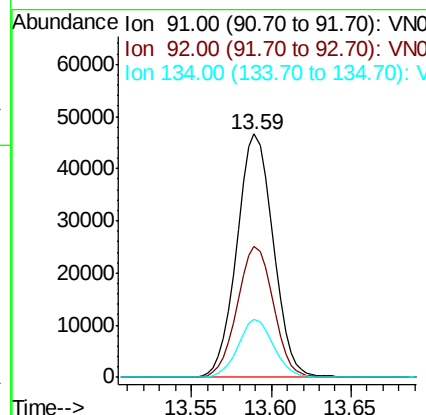
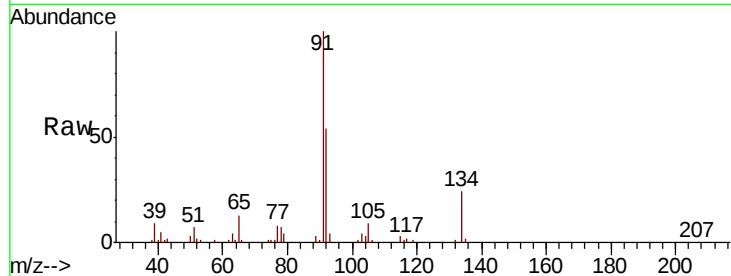
#89
n-Butylbenzene
Concen: 18.056 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.3
134	23.0	11.9	35.5

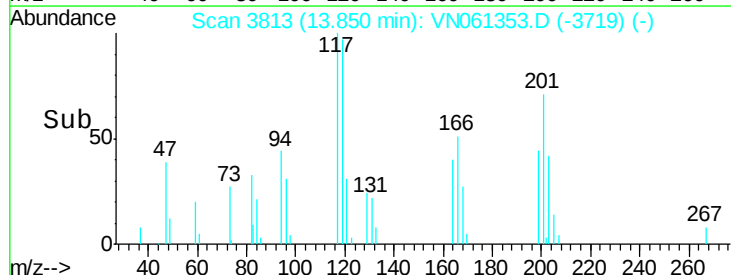
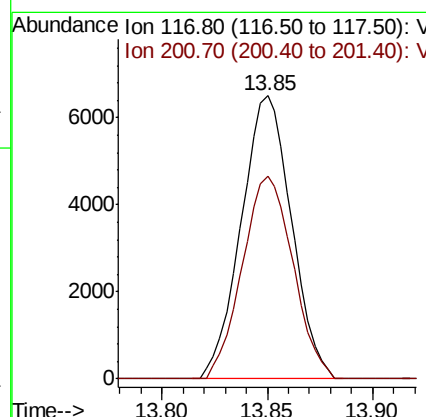
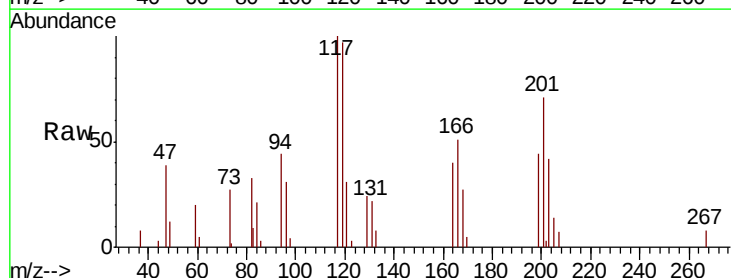
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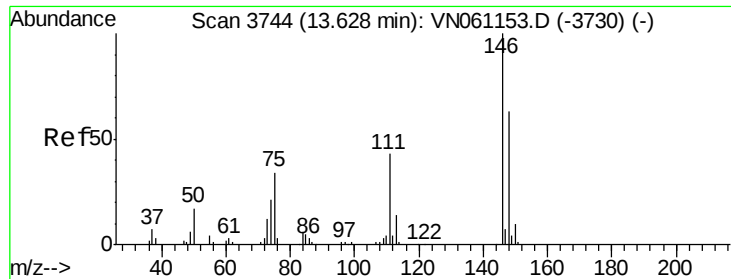
MMDadoda
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#90
Hexachloroethane
Concen: 27.714 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061353.D
Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.1	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 20.159 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

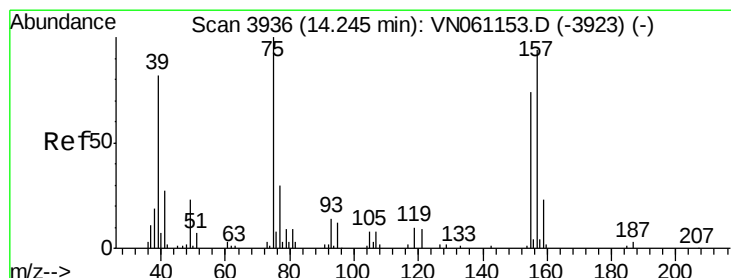
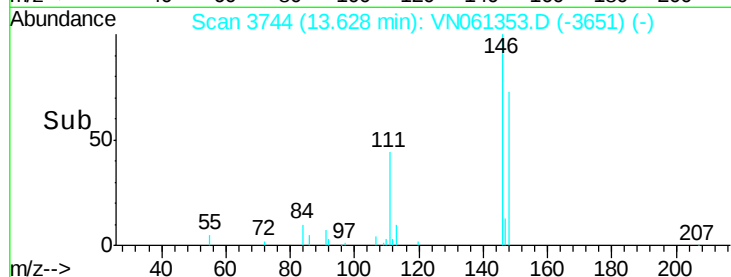
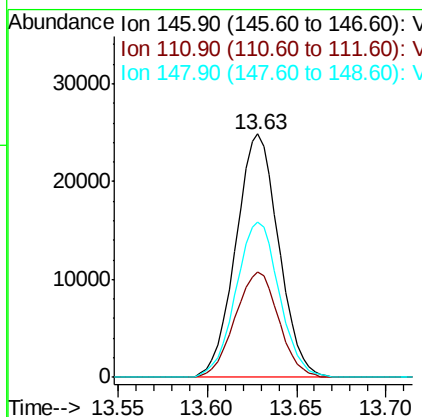
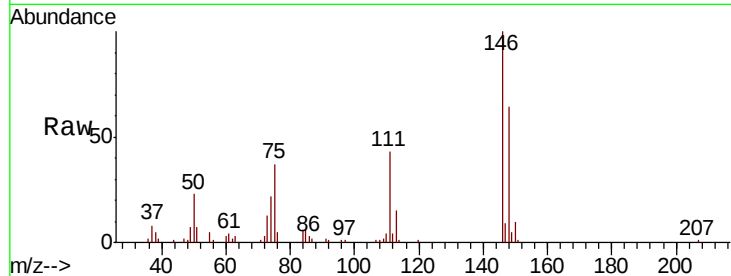
ClientSampleId :

VN0508WBSD01

Tot Ion:	146	Resp:	41805
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.8	65.3
148	64.7	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.933 ug/l

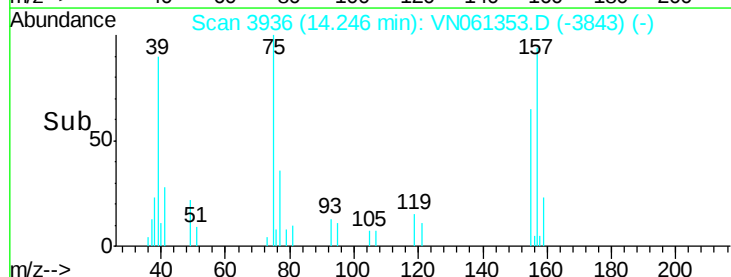
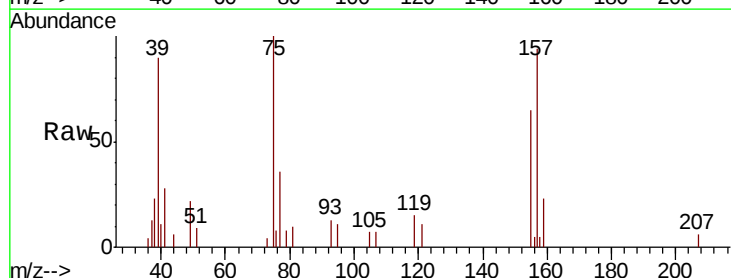
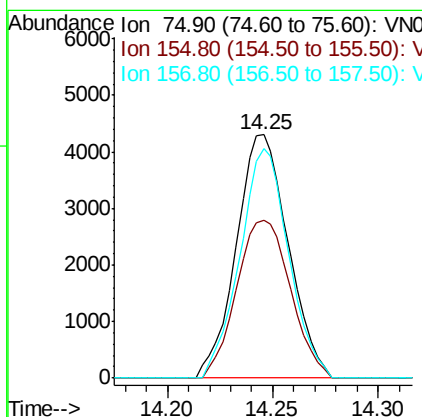
RT: 14.25 min Scan# 3936

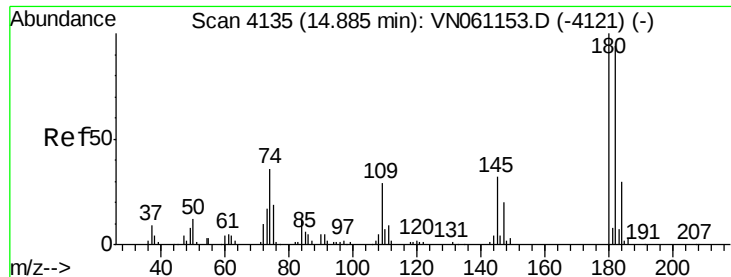
Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Tgt Ion:	75	Resp:	7351
Ion Ratio	Lower	Upper	
75	100		
155	67.3	36.5	109.7
157	88.8	46.6	139.7





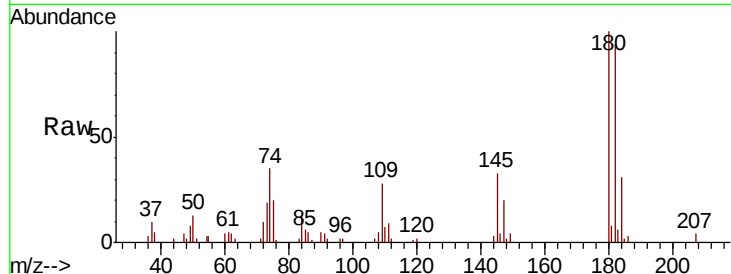
#93
 1,2,4-Trichlorobenzene
 Concen: 18.450 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBSD01

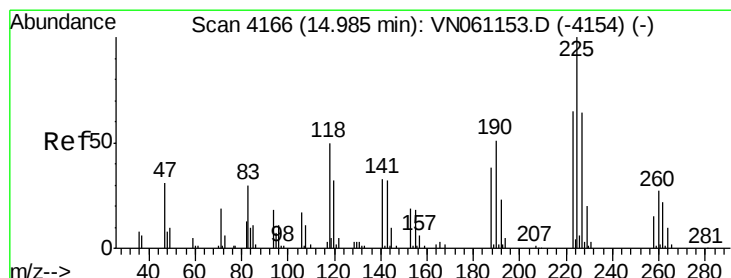
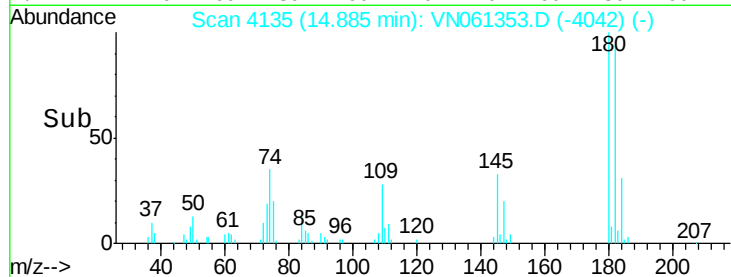
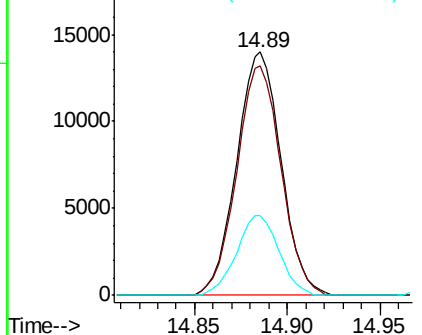
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	31.3	16.0	47.9

Manual Integrations
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MMDadoda
 5/11/2020 12:36:37 PM

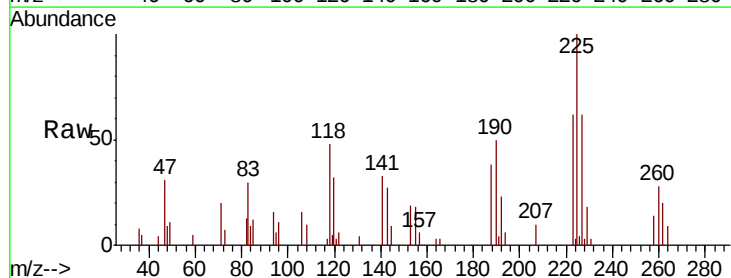


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

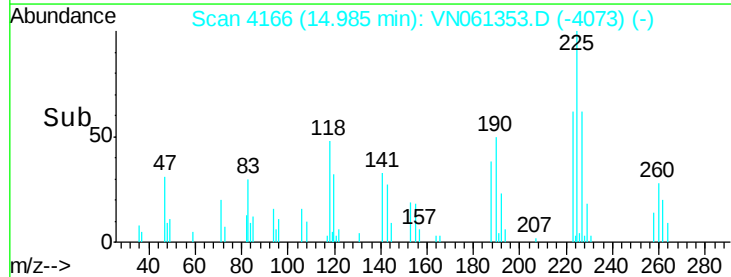
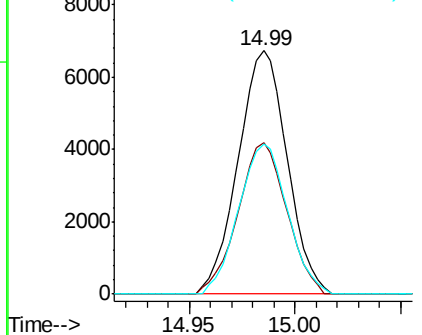


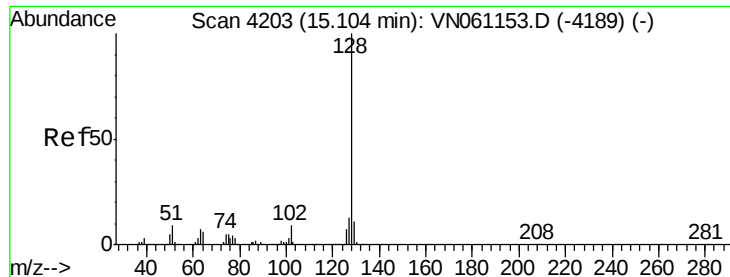
#94
 Hexachlorobutadiene
 Concen: 20.626 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061353.D
 Acq: 8 May 2020 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.4	97.0
227	61.7	32.4	97.0



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





#95

Naphthalene

Concen: 18.086 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Instrument :

MSVOA_N

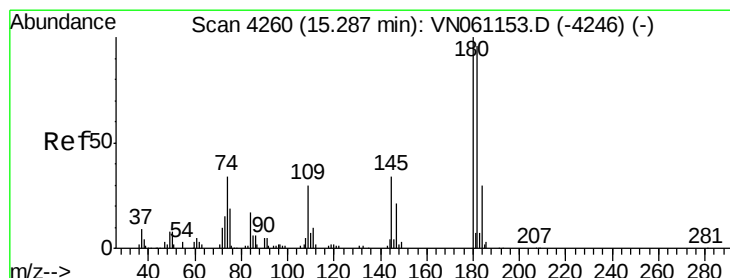
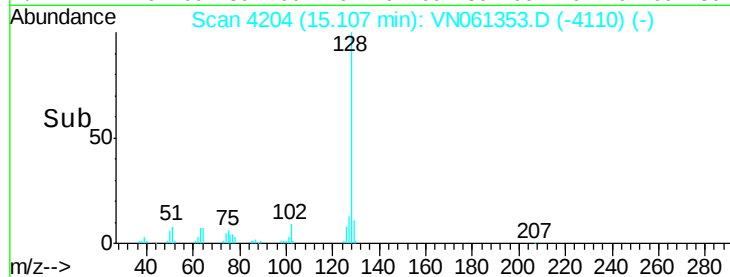
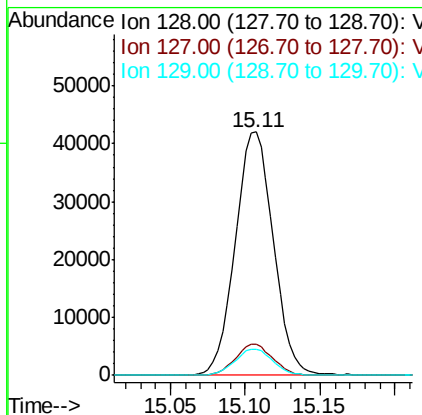
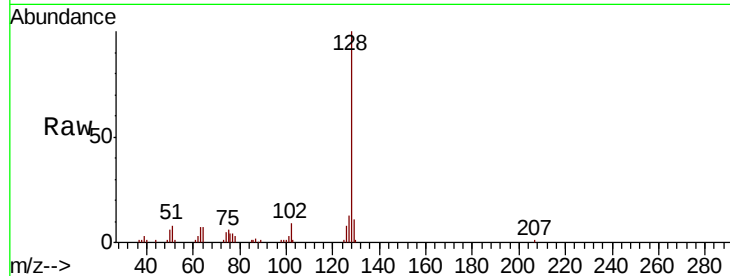
ClientSampled :

VN0508WBSD01

Tot Ion:	128	Resp:	74384
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/11/2020 12:36:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.855 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061353.D

Acq: 8 May 2020 11:53

Tgt Ion:	180	Resp:	23508
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.5	142.5
145	35.0	16.9	50.7

