

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061042.D
 Acq On : 17 Apr 2020 11:57
 Operator : JC/MD
 Sample : VN0417WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:20:16 AM

Quant Time: Apr 20 02:46:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	175957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	290424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	262060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119439	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108818	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	7.56	113	85572	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.08	98	307190	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.39	95	121583	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	44243	19.250	ug/l	99
3) Chloromethane	2.04	50	57156	18.315	ug/l	99
4) Vinyl Chloride	2.17	62	49423	19.057	ug/l	99
5) Bromomethane	2.55	94	24560	18.884	ug/l	99
6) Chloroethane	2.69	64	29620	19.799	ug/l	97
7) Trichlorofluoromethane	3.00	101	64277	19.908	ug/l	96
8) Diethyl Ether	3.38	74	24946	19.440	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37399	19.743	ug/l	99
10) Methyl Iodide	3.93	142	35753	21.394	ug/l	98
11) Tert butyl alcohol	4.72	59	30895	77.347	ug/l	99
12) 1,1-Dichloroethene	3.71	96	37525	19.488	ug/l	99
13) Acrolein	3.57	56	25129	74.510	ug/l	100
14) Allyl chloride	4.29	41	67538	18.538	ug/l	98
15) Acrylonitrile	4.94	53	98857	91.280	ug/l	98
16) Acetone	3.78	43	94358	95.225	ug/l	97
17) Carbon Disulfide	4.03	76	115739	19.209	ug/l	99
18) Methyl Acetate	4.28	43	57292	18.438	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	129529	19.292	ug/l	98
20) Methylene Chloride	4.52	84	41946	19.388	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	40340	19.587	ug/l	98
22) Diisopropyl ether	5.91	45	145175	19.186	ug/l	98
23) Vinyl Acetate	5.85	43	556008	93.706	ug/l	100
24) 1,1-Dichloroethane	5.81	63	79077	19.350	ug/l	99
25) 2-Butanone	6.80	43	134692	88.706	ug/l	98
26) 2,2-Dichloropropane	6.79	77	68755	20.206	ug/l	98
27) cis-1,2-Dichloroethene	6.79	96	45512	19.249	ug/l	100
28) Bromochloromethane	7.17	49	35032	18.675	ug/l	98
29) Tetrahydrofuran	7.17	42	88692	86.039	ug/l	98
30) Chloroform	7.34	83	73958	19.402	ug/l	98
31) Cyclohexane	7.63	56	78997	18.838	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	65343	19.818	ug/l	100
36) 1,1-Dichloropropene	7.77	75	58907	19.656	ug/l	99
37) Ethyl Acetate	6.89	43	58203	17.886	ug/l	100
38) Carbon Tetrachloride	7.75	117	50424	20.214	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	72106	20.125	ug/l	100
40) Benzene	8.02	78	174016	19.572	ug/l	100
41) Methacrylonitrile	7.13	41	23284	17.154	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	60182	19.870	ug/l	99
43) Isopropyl Acetate	8.14	43	98006	18.518	ug/l	99
44) Trichloroethene	8.81	130	43867	19.636	ug/l	97
45) 1,2-Dichloropropane	9.10	63	46617	19.412	ug/l	98
46) Dibromomethane	9.19	93	27670	19.985	ug/l	99
47) Bromodichloromethane	9.38	83	57908	19.798	ug/l	100
48) Methyl methacrylate	9.18	41	43099	18.427	ug/l	99
49) 1,4-Dioxane	9.17	88	11206	354.056	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	279349	91.561	ug/l	100
52) Toluene	10.14	92	105032	19.692	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	67254	19.795	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	73388	19.797	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	39009	19.326	ug/l	96
56) Ethyl methacrylate	10.42	69	60566	19.082	ug/l	99
57) 1,3-Dichloropropane	10.69	76	70514	19.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	128030	88.770	ug/l	99
59) 2-Hexanone	10.74	43	198808	90.356	ug/l	99
60) Dibromochloromethane	10.89	129	42035	20.273	ug/l	98
61) 1,2-Dibromoethane	10.99	107	40068	19.481	ug/l	99
64) Tetrachloroethene	10.62	164	41256	20.573	ug/l	97
65) Chlorobenzene	11.42	112	105990	19.592	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	38538	19.911	ug/l	99
67) Ethyl Benzene	11.50	91	201100	19.762	ug/l	99
68) m/p-Xylenes	11.61	106	145746	39.630	ug/l	100
69) o-Xylene	11.94	106	70431	19.918	ug/l	100
70) Styrene	11.96	104	113356	19.913	ug/l	100
71) Bromoform	12.12	173	28169	19.498	ug/l #	99
73) Isopropylbenzene	12.24	105	190164	19.873	ug/l	99
74) N-amyl acetate	12.06	43	82251	18.484	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55609	19.038	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	48785m	18.569	ug/l	
77) Bromobenzene	12.52	156	44178	19.774	ug/l	96
78) n-propylbenzene	12.58	91	226649	20.245	ug/l	99
79) 2-Chlorotoluene	12.67	91	131531	20.032	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	160132	20.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19163	17.992	ug/l	98
82) 4-Chlorotoluene	12.77	91	135772	19.937	ug/l	100
83) tert-Butylbenzene	12.99	119	133604	20.086	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	159397	20.388	ug/l	99
85) sec-Butylbenzene	13.17	105	180041	19.977	ug/l	99
86) p-Isopropyltoluene	13.28	119	161482	20.121	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	78334	19.674	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	78273	19.541	ug/l	99
89) n-Butylbenzene	13.61	91	148162	19.853	ug/l	100
90) Hexachloroethane	13.87	117	23474	19.065	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	75327	19.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10320	18.256	ug/l	99

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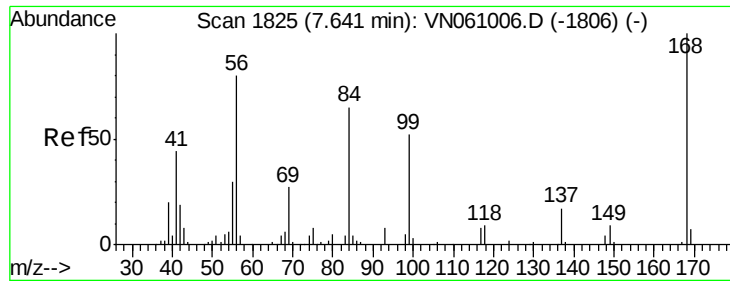
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	44551	19.807	ug/l	99
94) Hexachlorobutadiene	15.00	225	23397	20.221	ug/l	99
95) Naphthalene	15.13	128	122554	18.683	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43033	19.853	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion:168 Resp: 175957

Ion Ratio Lower Upper

168 100

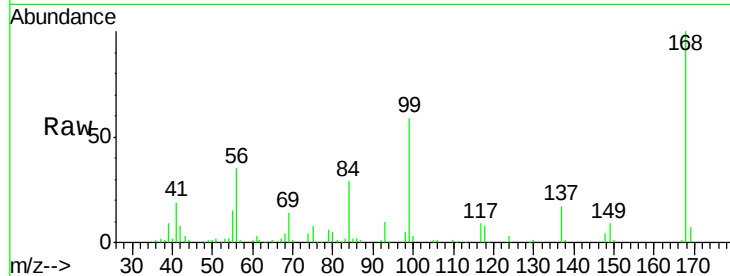
99 58.9 47.4 71.2

Manual Integrations

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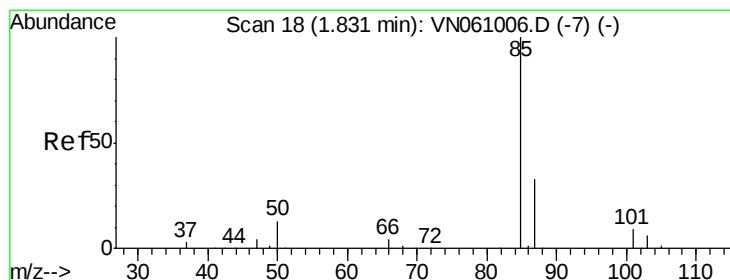
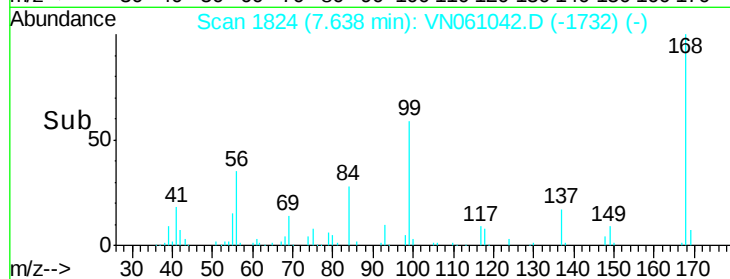
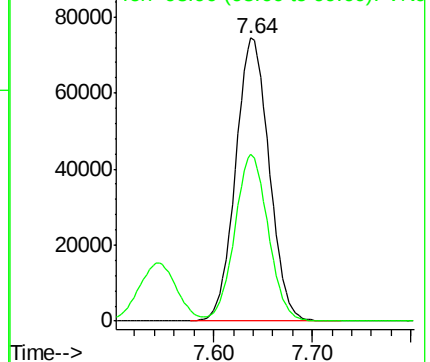
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.250 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061042.D

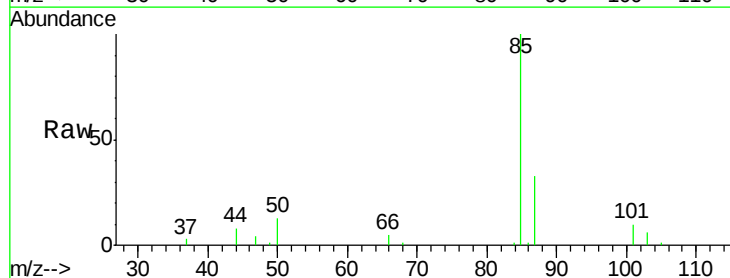
Acq: 17 Apr 2020 11:57

Tgt Ion: 85 Resp: 44243

Ion Ratio Lower Upper

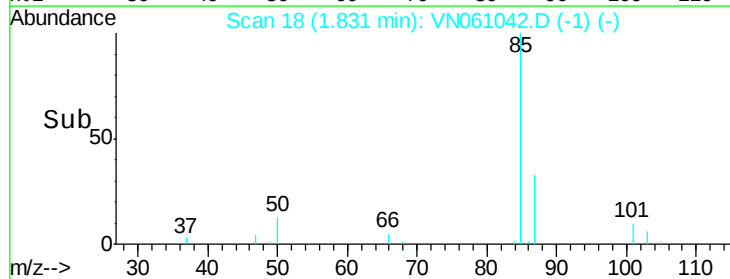
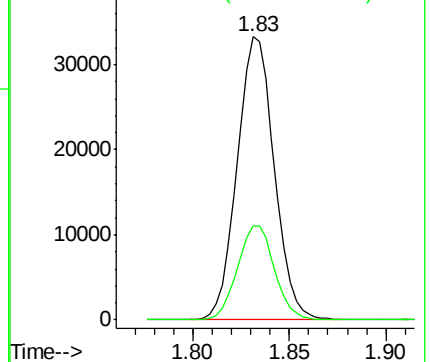
85 100

87 33.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.315 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 50 Resp: 57156

Ion Ratio Lower Upper

50 100

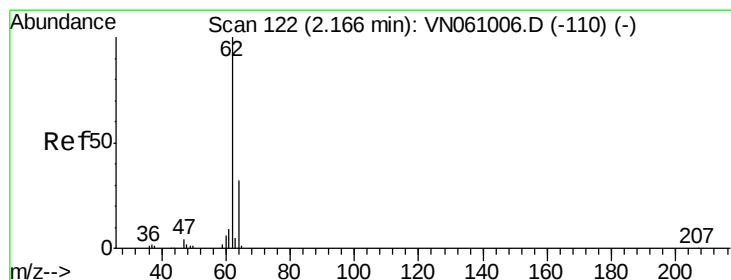
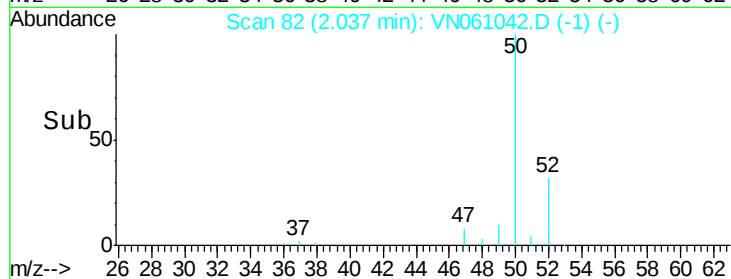
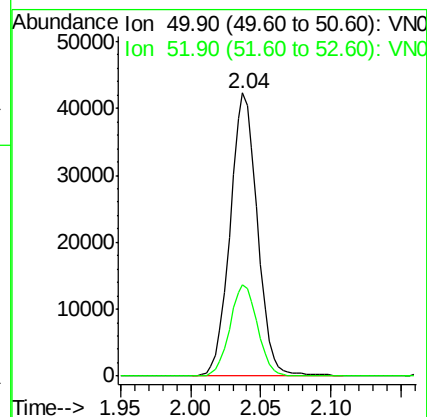
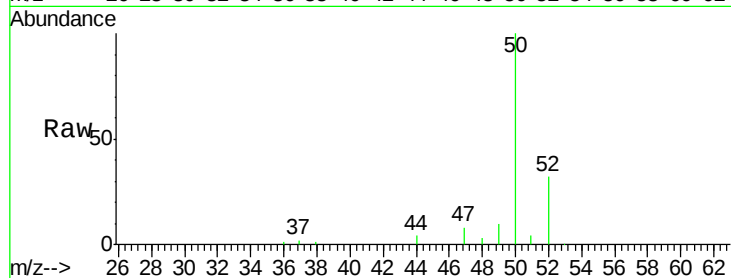
52 32.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.057 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061042.D

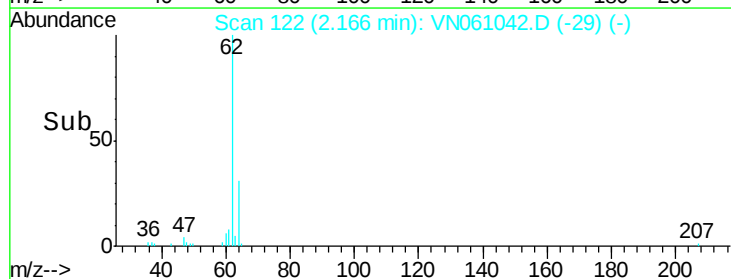
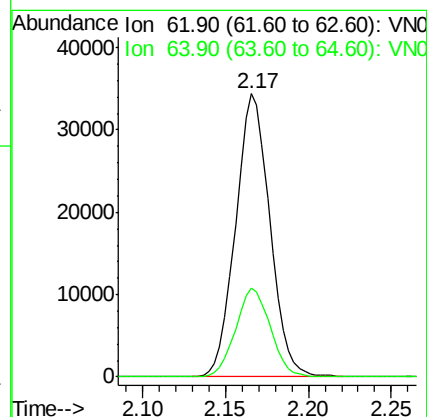
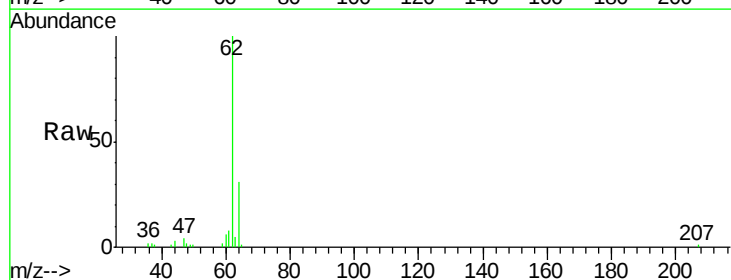
Acq: 17 Apr 2020 11:57

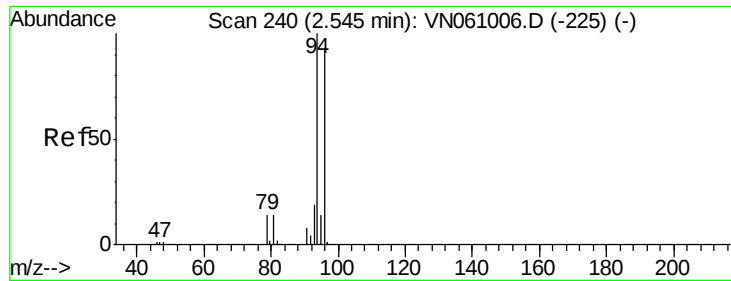
Tgt Ion: 62 Resp: 49423

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 18.884 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

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ClientSampleId :

VN0417WBS01

Tot Ion: 94 Resp: 24560

Ion Ratio Lower Upper

94 100

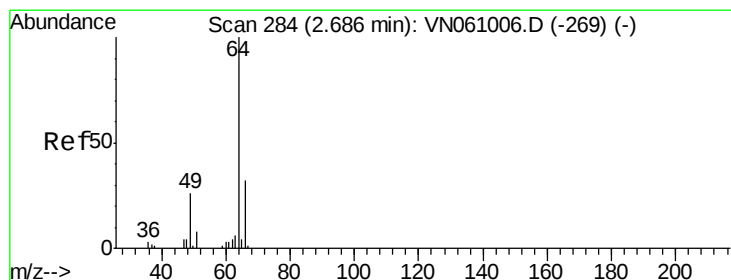
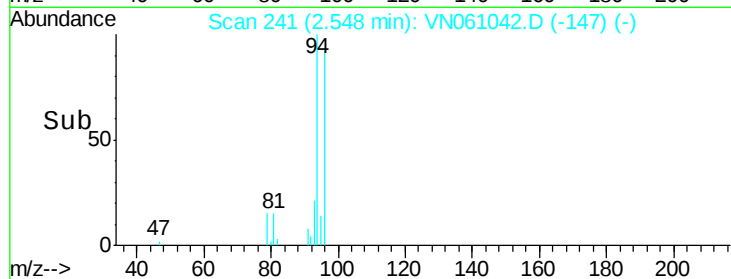
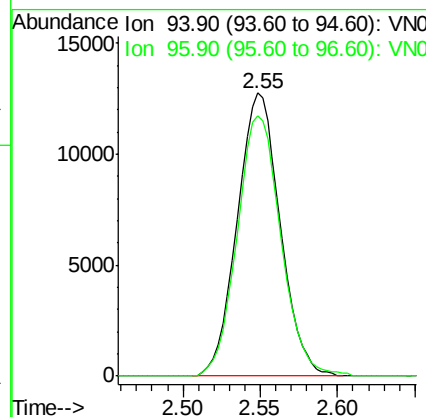
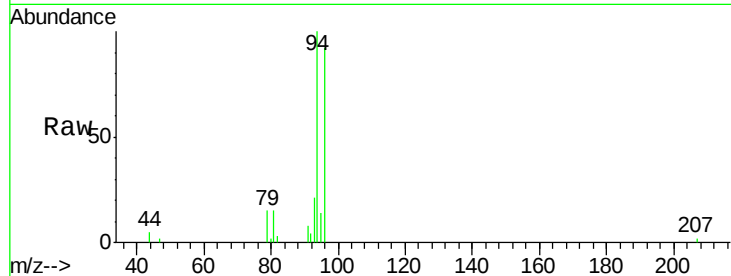
96 92.1 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 19.799 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN061042.D

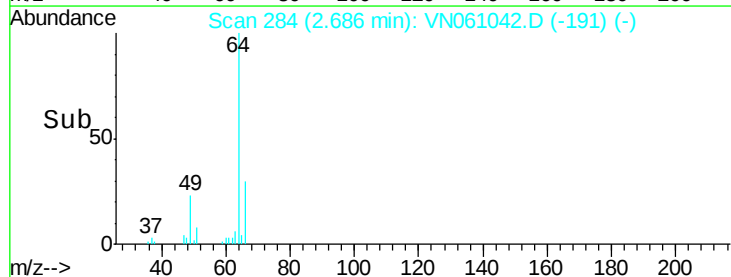
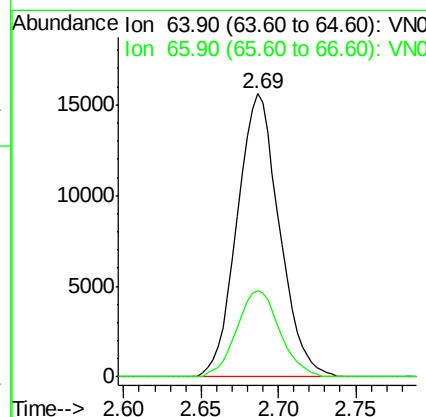
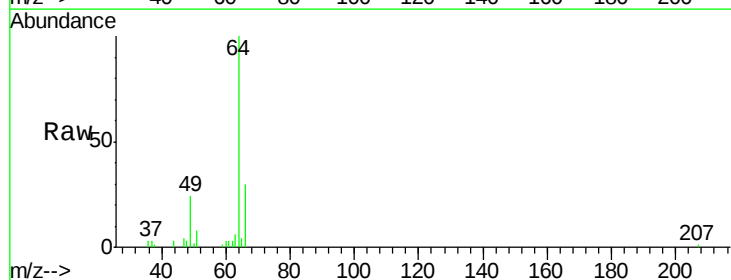
Acq: 17 Apr 2020 11:57

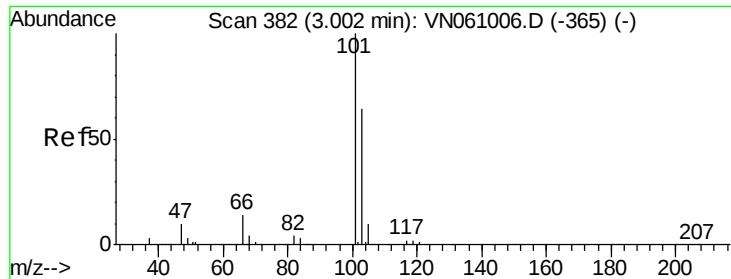
Tgt Ion: 64 Resp: 29620

Ion Ratio Lower Upper

64 100

66 30.4 25.8 38.8





#7

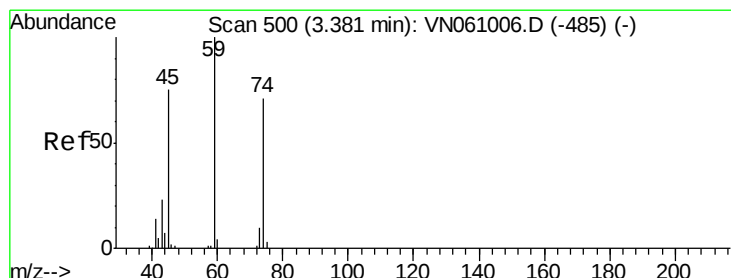
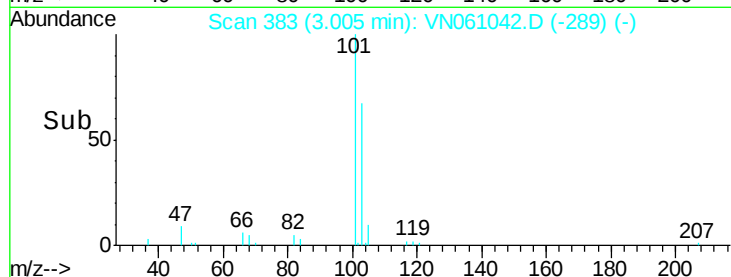
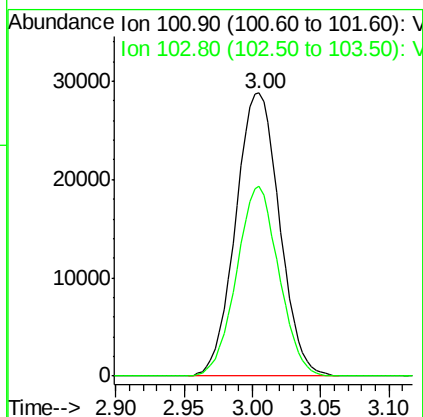
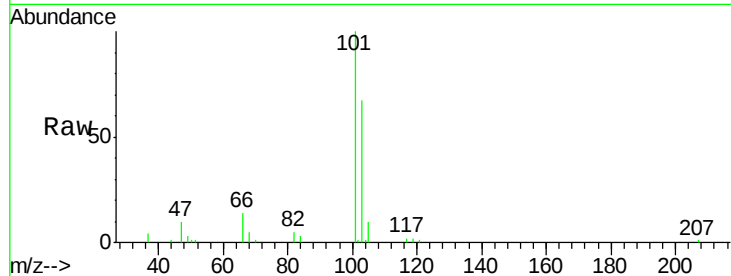
Trichlorofluoromethane
 Concen: 19.908 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

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 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.4	77.2

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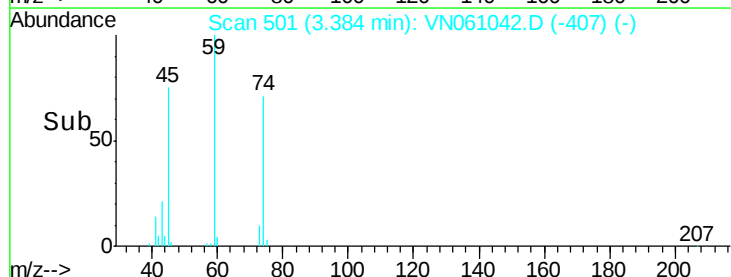
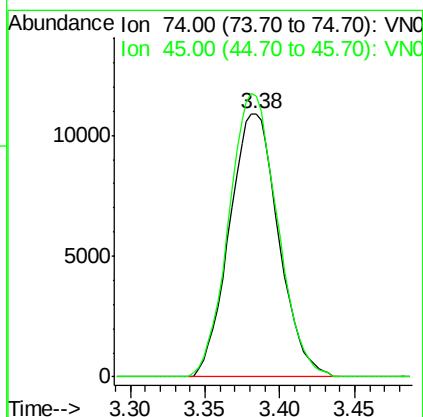
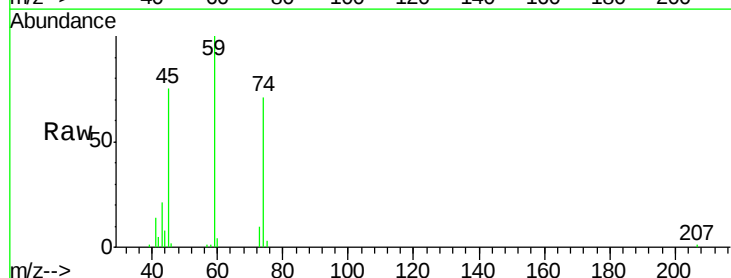
MMDadoda
 4/20/2020 10:20:16 AM

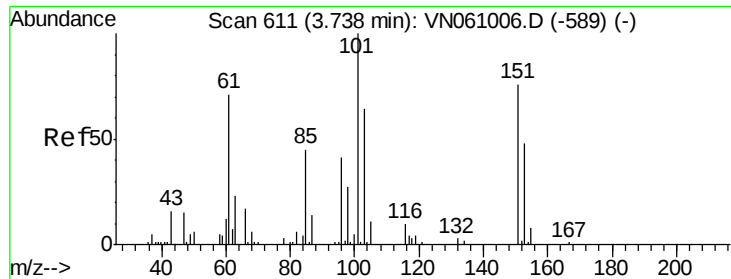


#8

Diethyl Ether
 Concen: 19.440 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.743 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

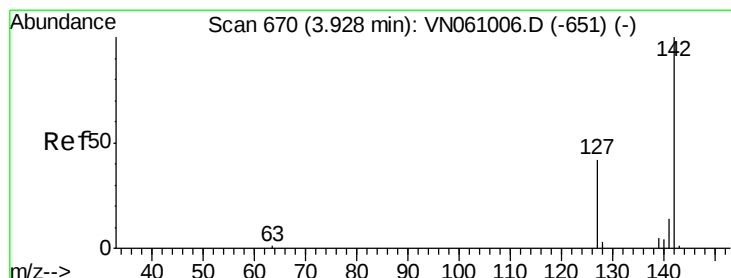
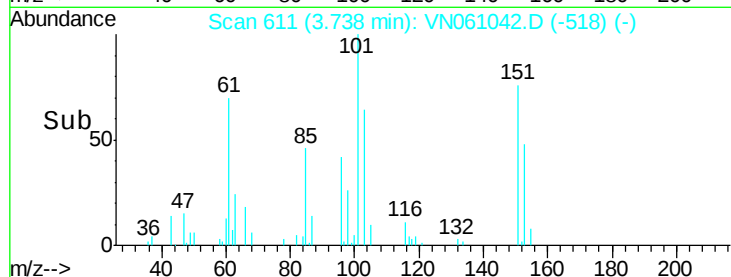
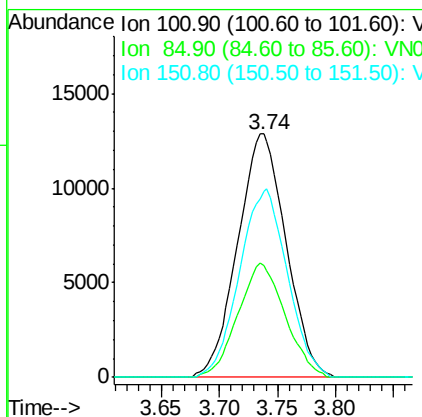
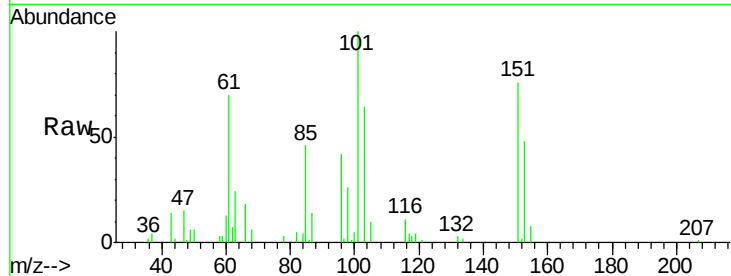
ClientSampleId :

VN0417WBS01

Tot Ion:	101	Resp:	37399
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.9	53.9
151	76.4	60.8	91.2

Manual Integrations
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MMDadoda
4/20/2020 10:20:16 AM



#10

Methyl Iodide

Concen: 21.394 ug/l

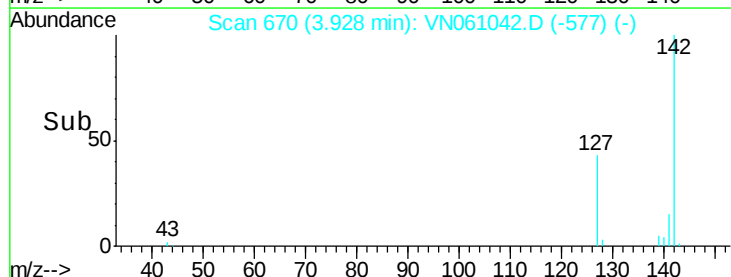
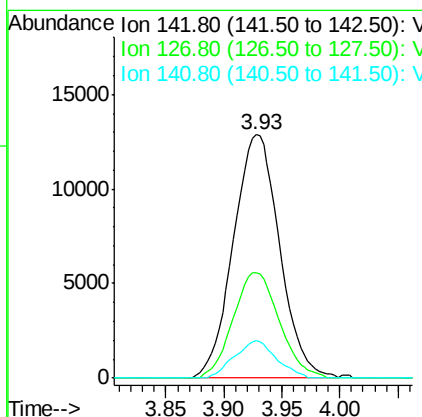
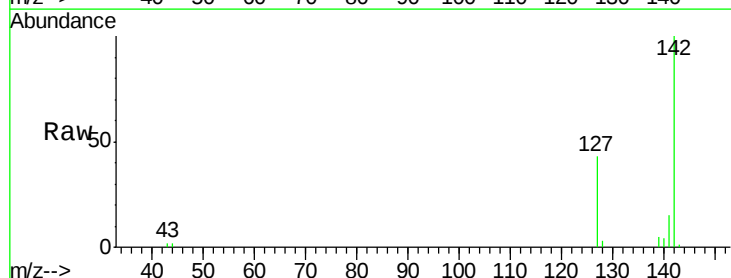
RT: 3.93 min Scan# 670

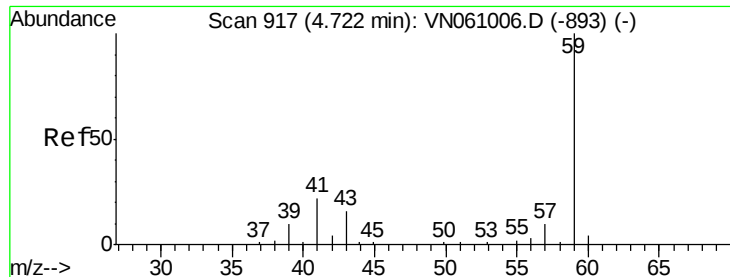
Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Tgt Ion:	142	Resp:	35753
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.4	50.2
141	14.0	11.0	16.6





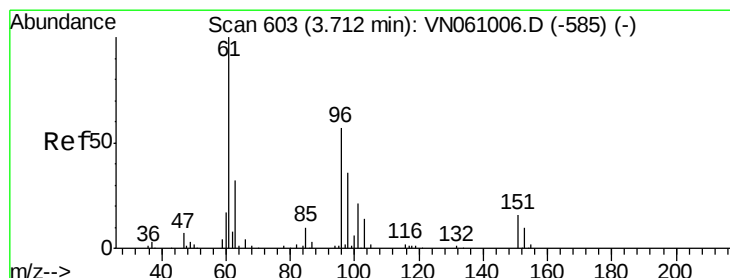
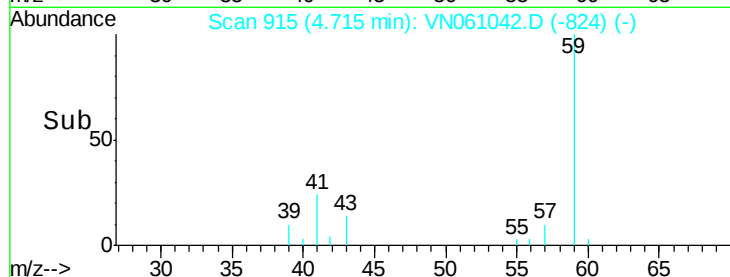
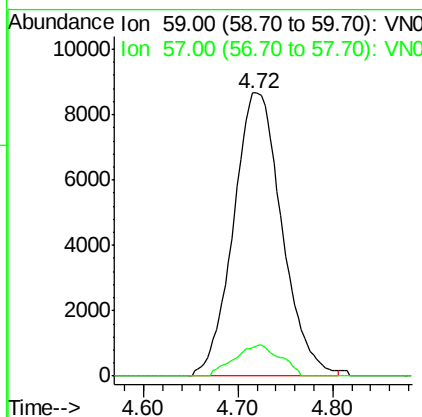
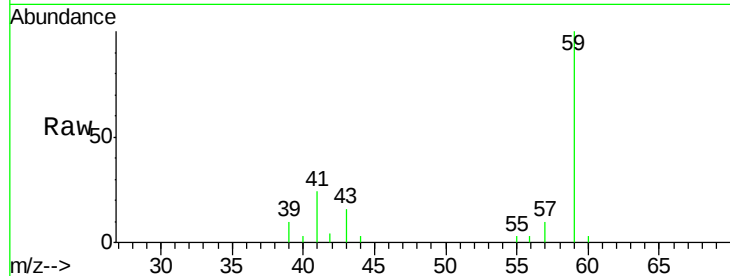
#11
Tert butyl alcohol
Concen: 77.347 ug/l
RT: 4.72 min Scan# 915
Delta R.T. -0.01 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	30895		
57	10.4		8.1	12.1

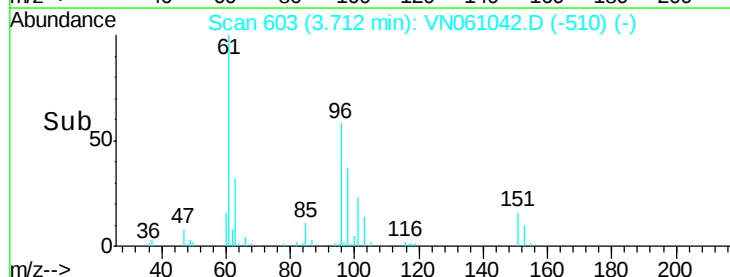
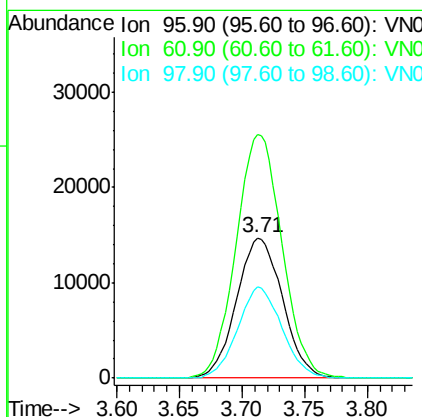
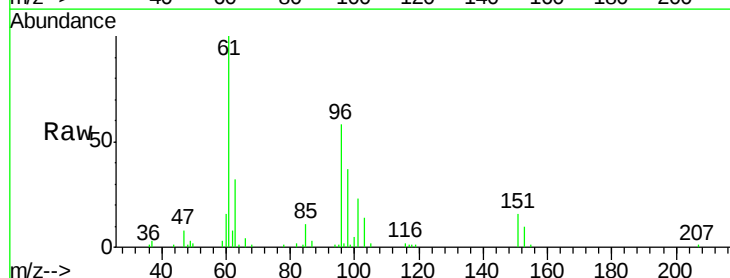
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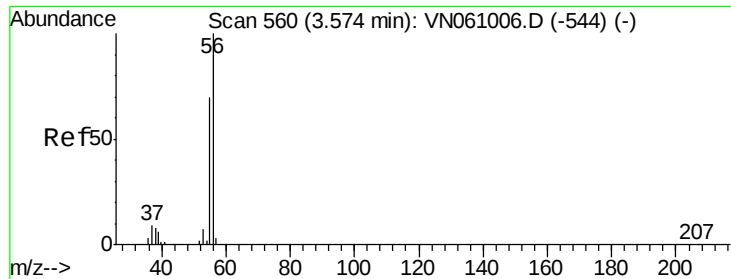
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.488 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	37525		
61	173.8		139.2	208.8
98	65.1		50.0	75.0





#13

Acrolein

Concen: 74.510 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 56 Resp: 25129

Ion Ratio Lower Upper

56 100

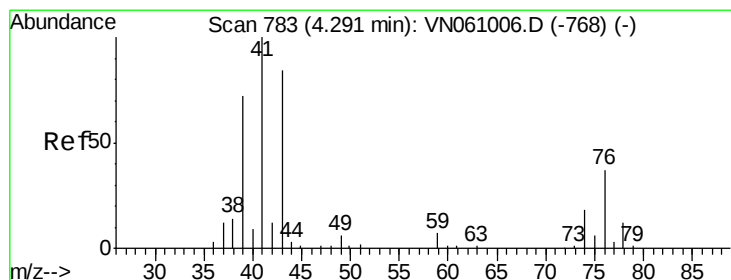
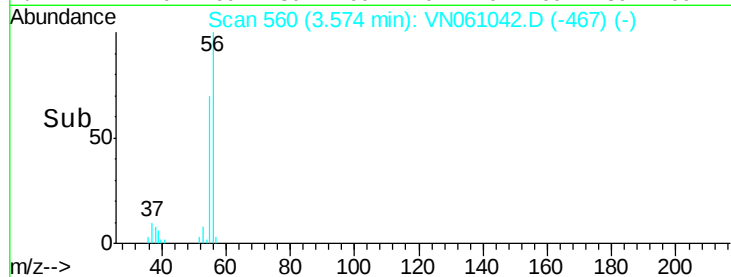
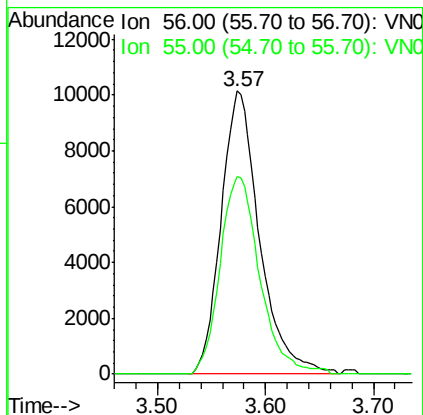
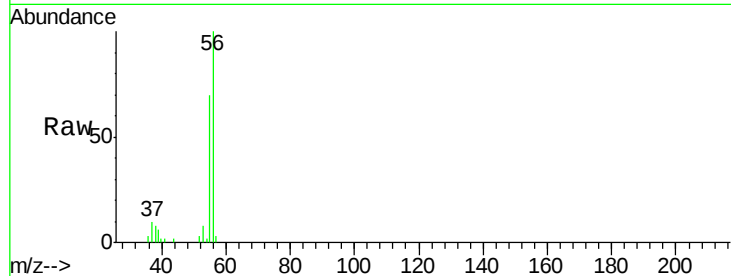
55 71.5 57.0 85.6

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#14

Allyl chloride

Concen: 18.538 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

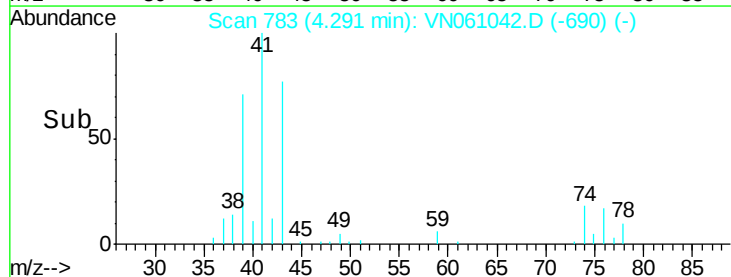
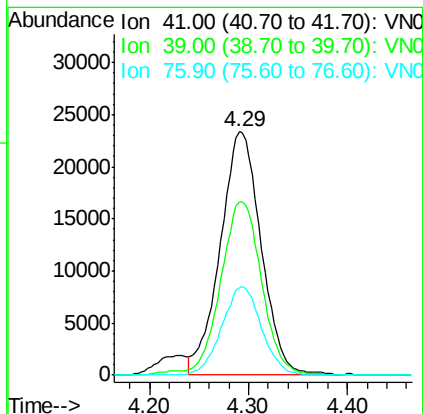
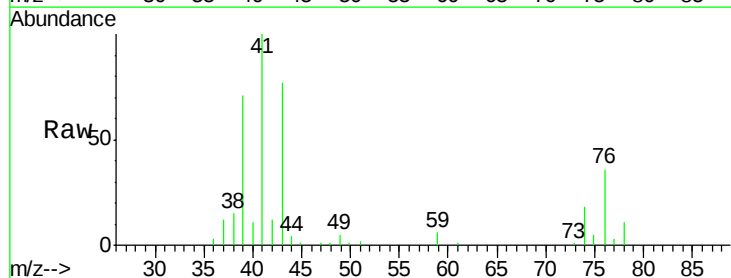
Tgt Ion: 41 Resp: 67538

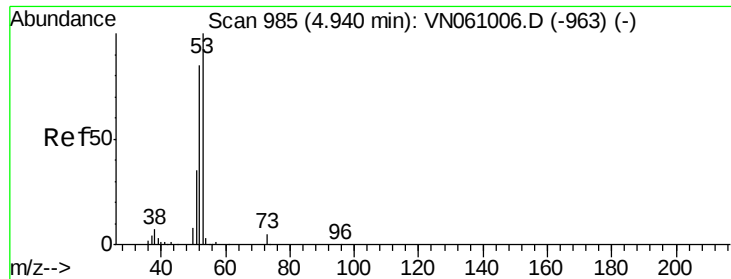
Ion Ratio Lower Upper

41 100

39 72.1 56.3 84.5

76 35.1 27.7 41.5





#15

Acrylonitrile

Concen: 91.280 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

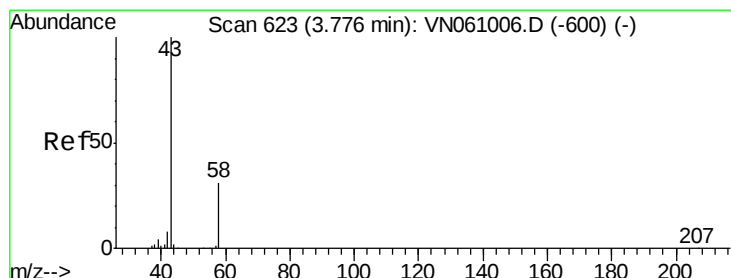
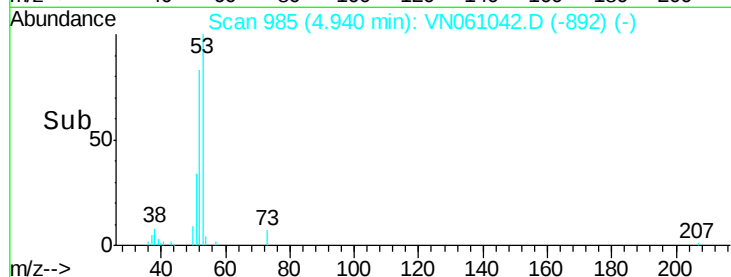
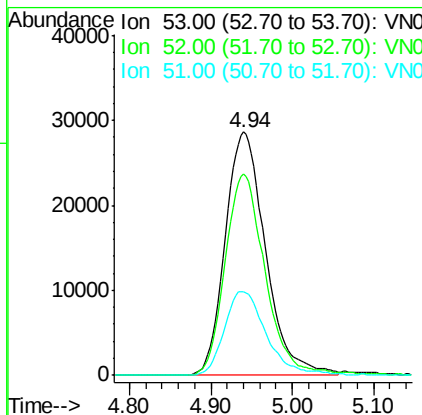
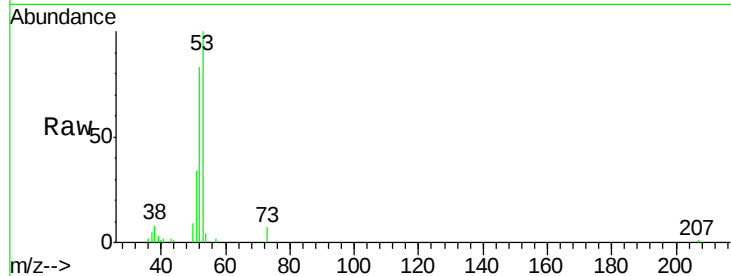
ClientSampleId :

VN0417WBS01

Tot Ion:	53	Resp:	98857
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.8	100.2
51	36.0	28.9	43.3

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#16

Acetone

Concen: 95.225 ug/l

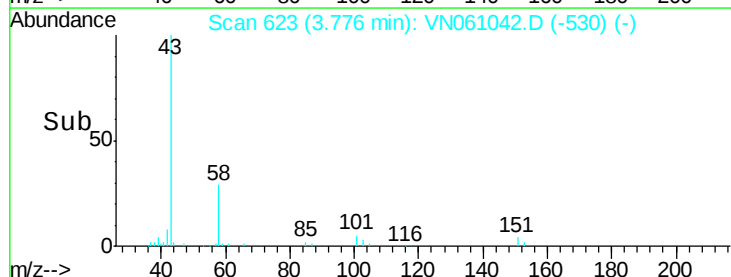
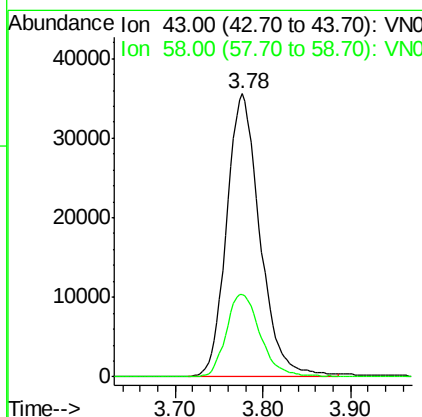
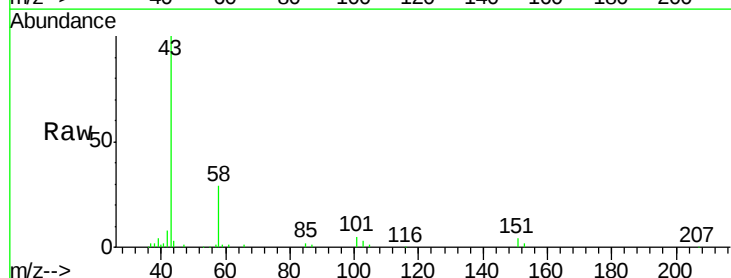
RT: 3.78 min Scan# 623

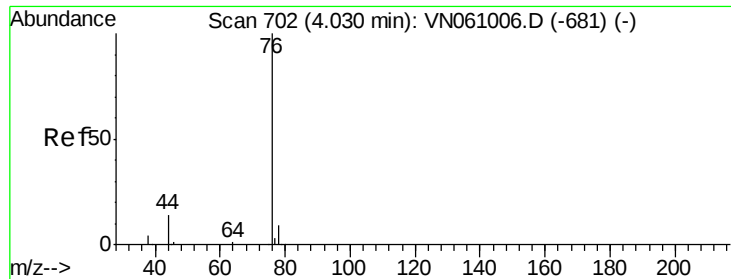
Delta R.T. 0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Tgt Ion:	43	Resp:	94358
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.6	37.0





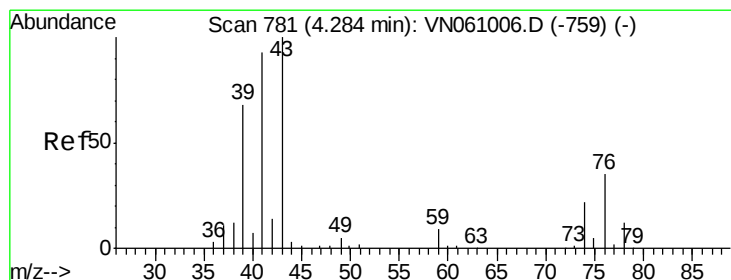
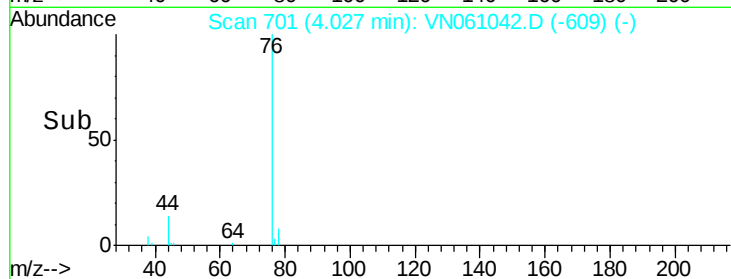
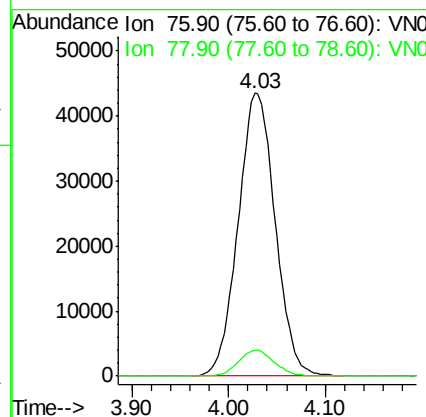
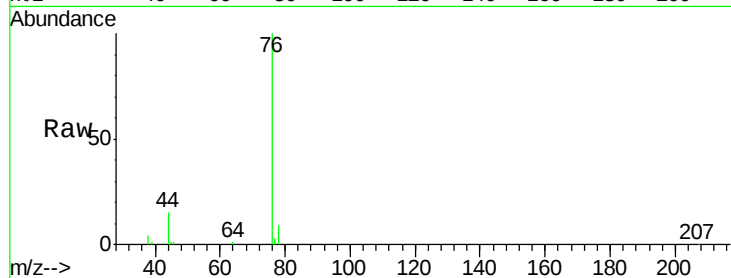
#17
Carbon Disulfide
Concen: 19.209 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4

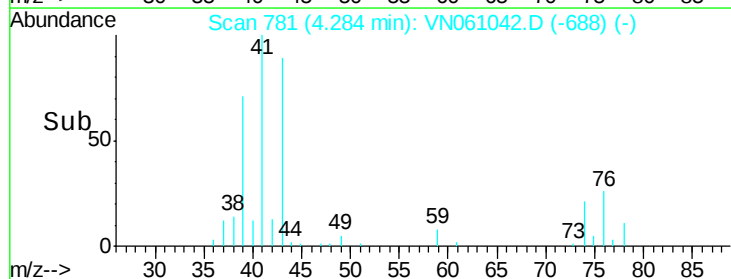
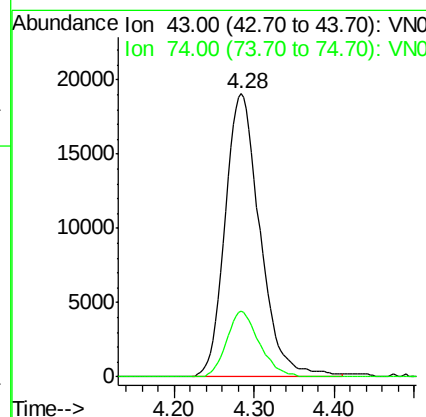
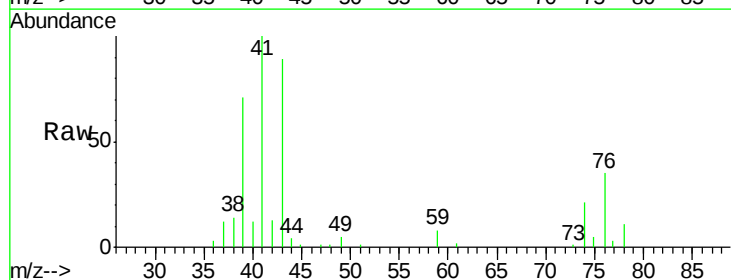
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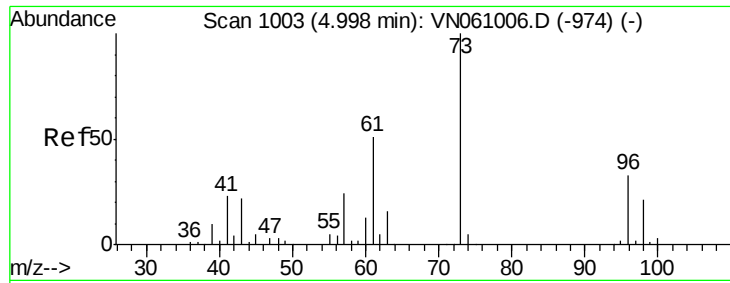
MMDadoda
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#18
Methyl Acetate
Concen: 18.438 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.4	26.0





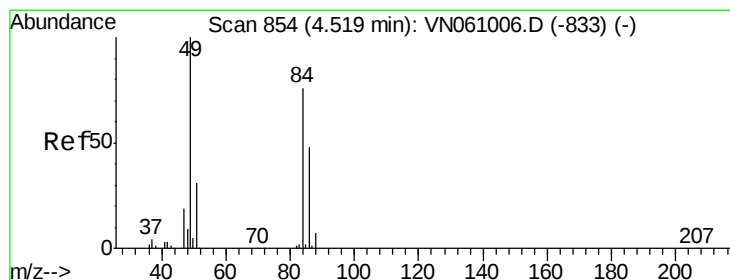
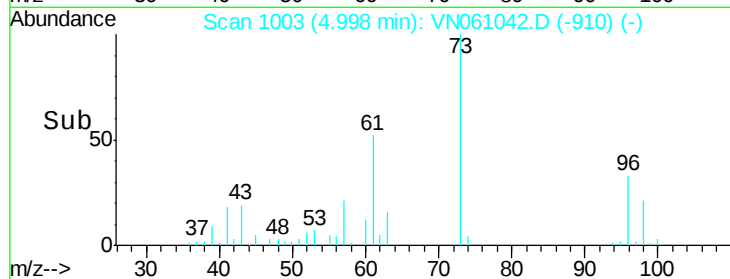
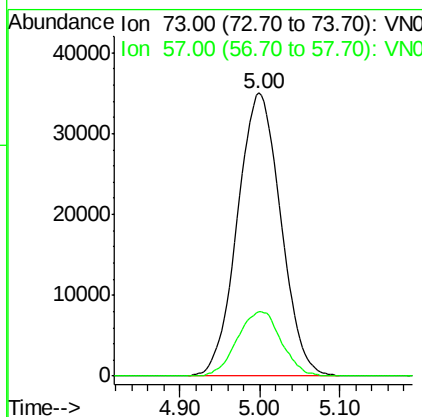
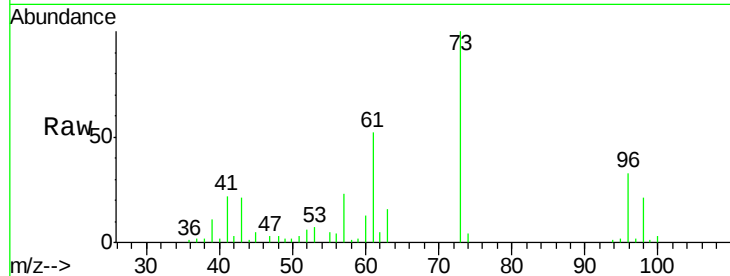
#19
Methvl tert-butvl Ether
Concen: 19.292 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	19.0	28.4

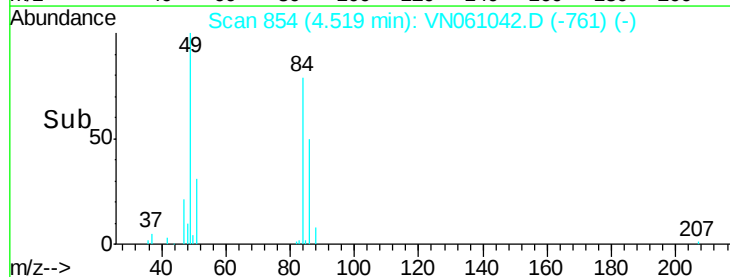
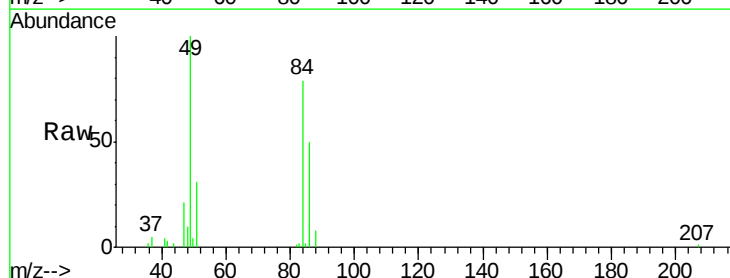
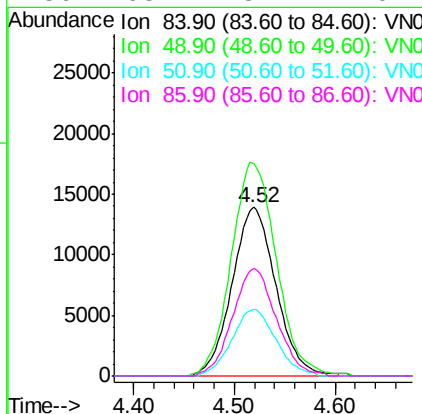
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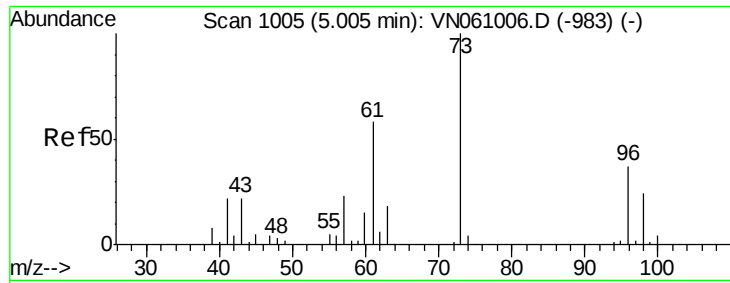
MMDadoda
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#20
Methylene Chloride
Concen: 19.388 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.3	105.8	158.6
51	39.7	32.4	48.6
86	63.7	51.1	76.7





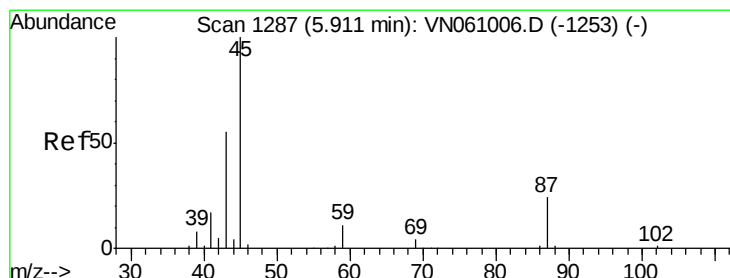
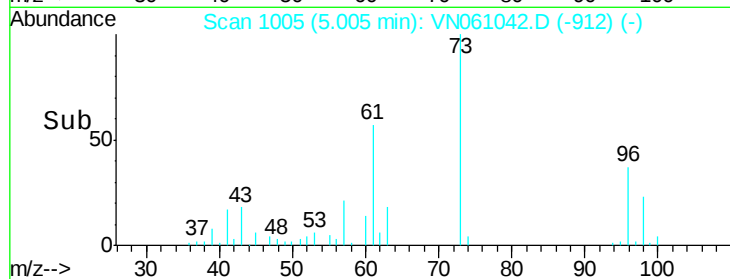
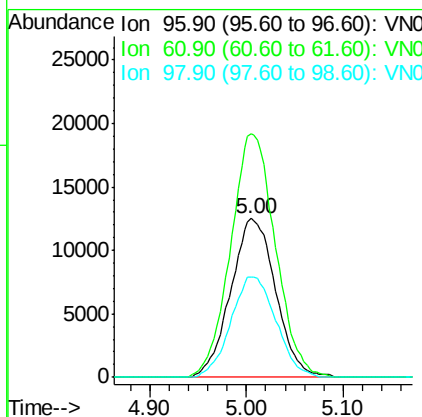
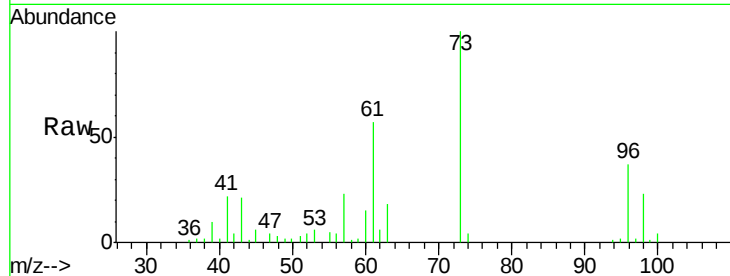
#21
trans-1,2-Dichloroethene
Concen: 19.587 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.4	124.8	187.2
98	63.4	51.3	76.9

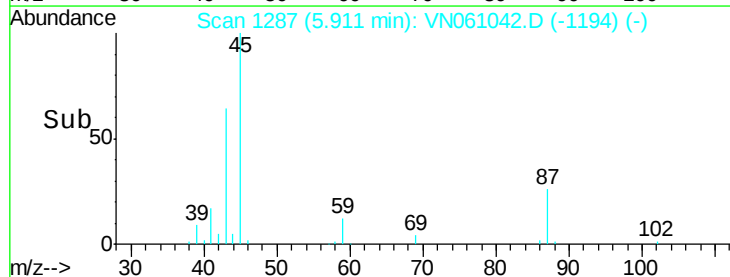
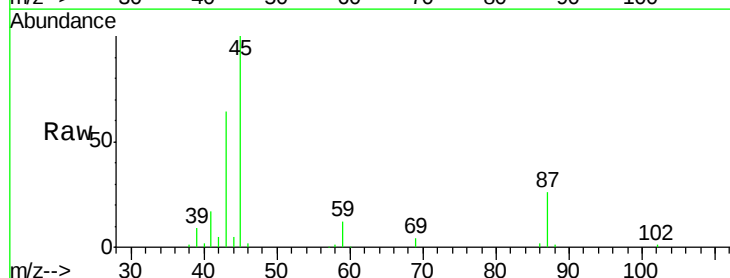
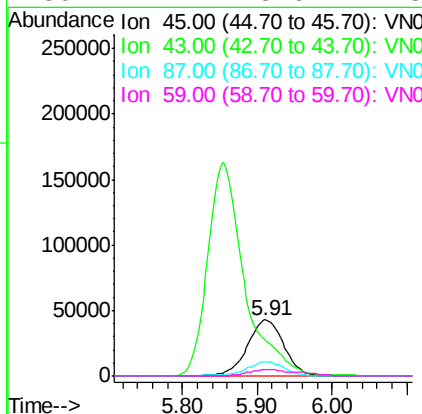
Manual Integrations
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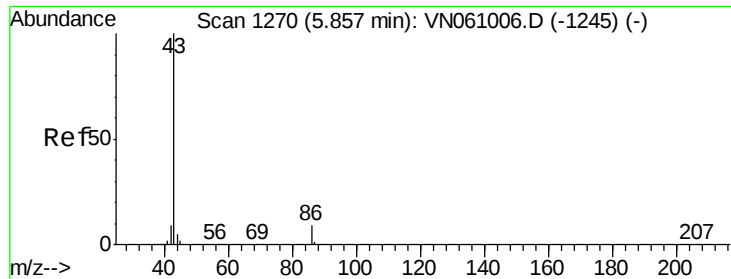
MMDadoda
4/20/2020 10:20:16 AM



#22
Diisopropyl ether
Concen: 19.186 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	48.6	72.8
87	25.7	19.4	29.2
59	11.2	8.6	12.8





#23

Vinyl Acetate

Concen: 93.706 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

ClientSampled :

VN0417WBS01

Tot Ion: 43 Resp: 556008

Ion Ratio Lower Upper

43 100

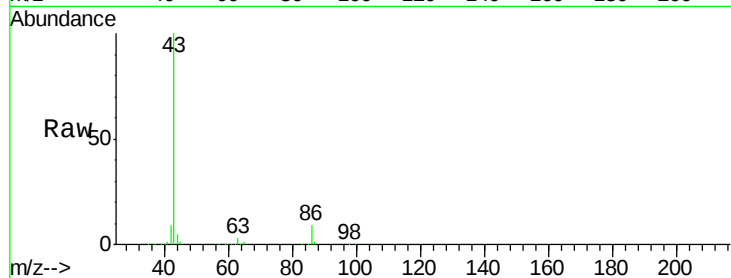
86 9.3 7.3 10.9

Manual Integrations

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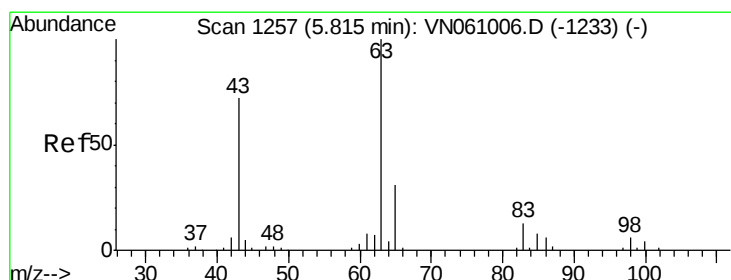
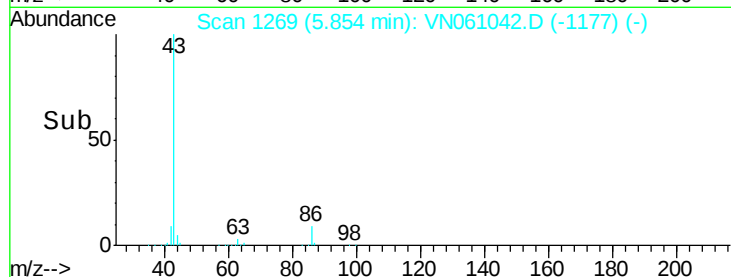
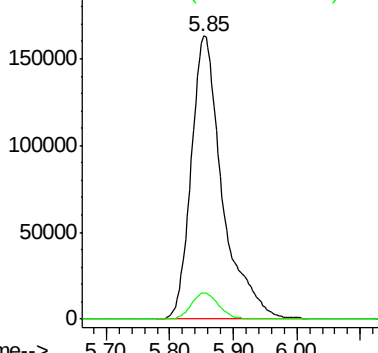
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.350 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

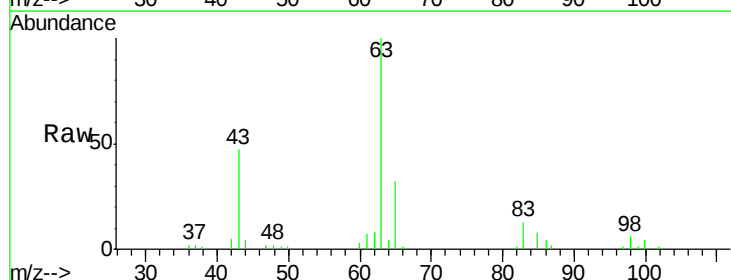
Tgt Ion: 63 Resp: 79077

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

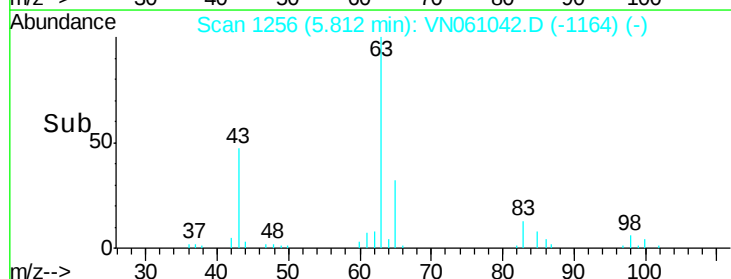
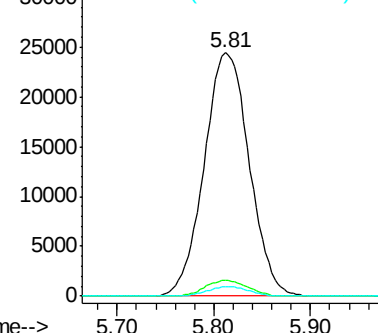
100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





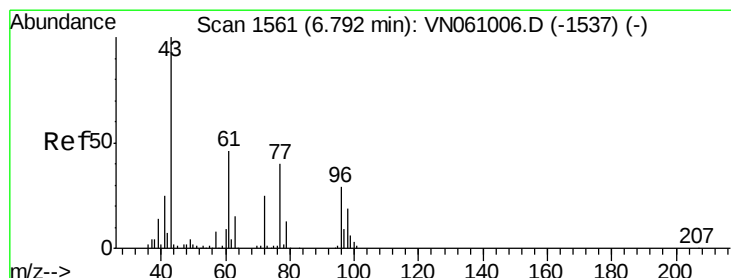
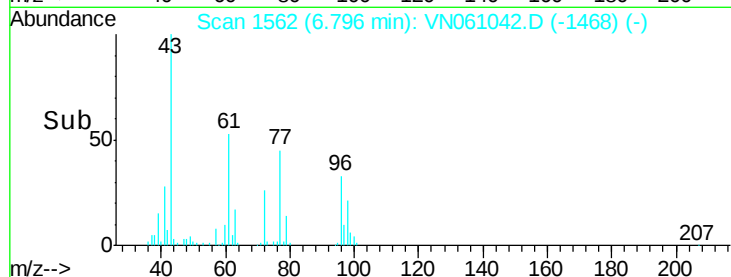
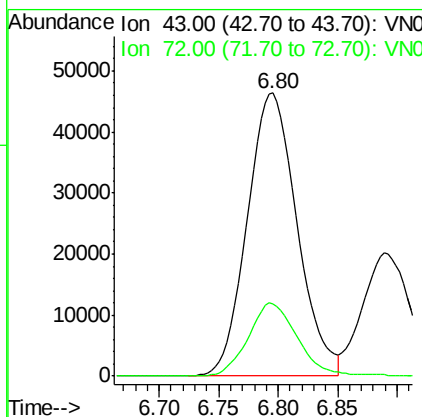
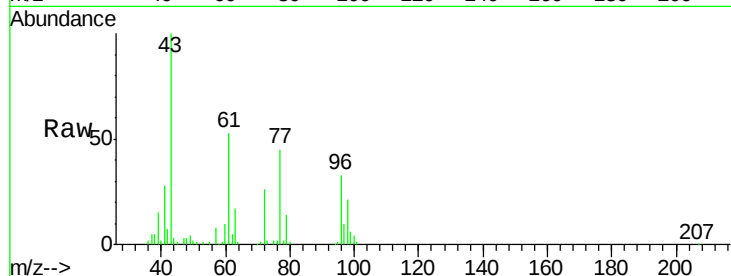
#25
2-Butanone
Concen: 88.706 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBS01

Tot Ion: 43 Resp: 134692
Ion Ratio Lower Upper
43 100
72 25.7 19.6 29.4

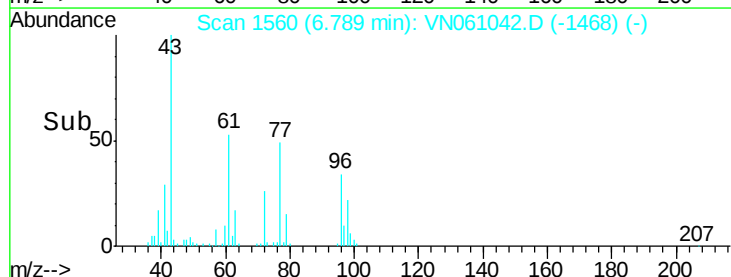
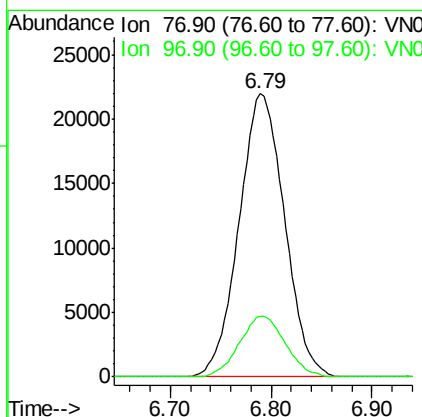
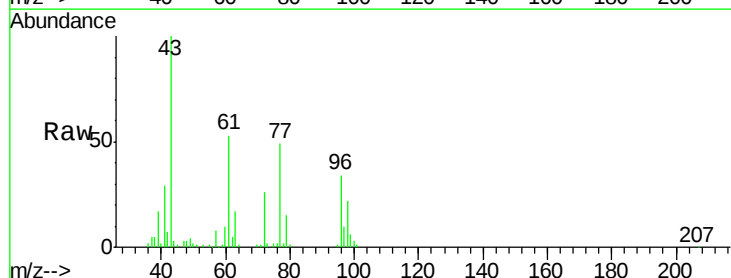
Manual Integrations
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MMDadoda
4/20/2020 10:20:16 AM



#26
2,2-Dichloropropane
Concen: 20.206 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion: 77 Resp: 68755
Ion Ratio Lower Upper
77 100
97 21.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.249 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

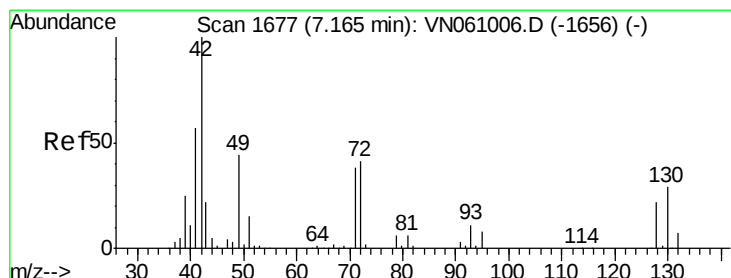
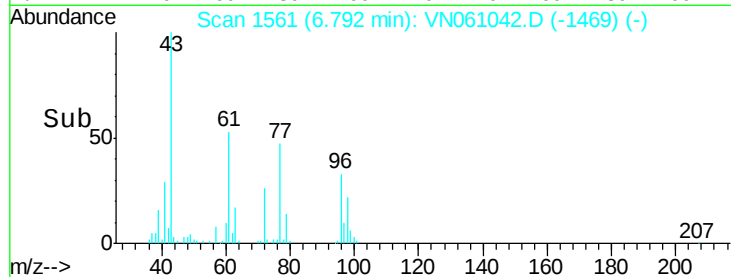
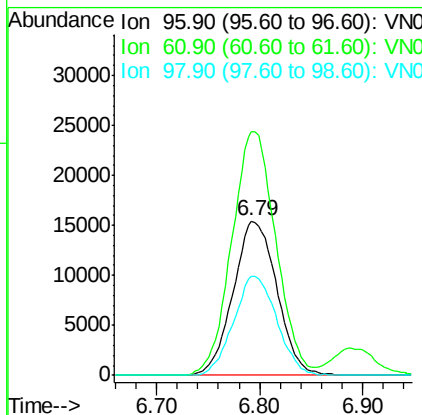
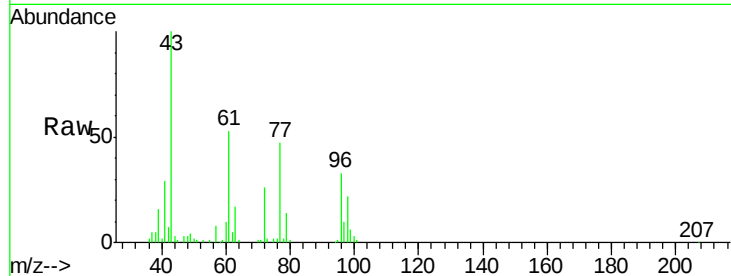
ClientSampleId :

VN0417WBS01

Tot Ion:	96	Resp:	45512
Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	317.4
98	63.2	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 18.675 ug/l

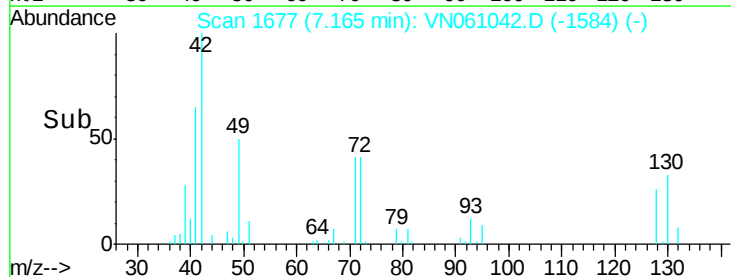
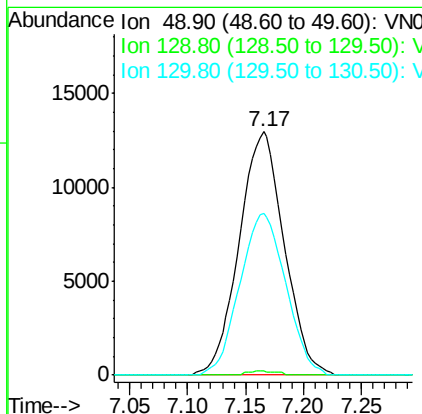
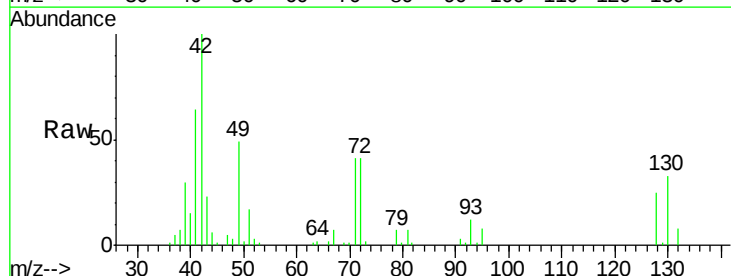
RT: 7.17 min Scan# 1677

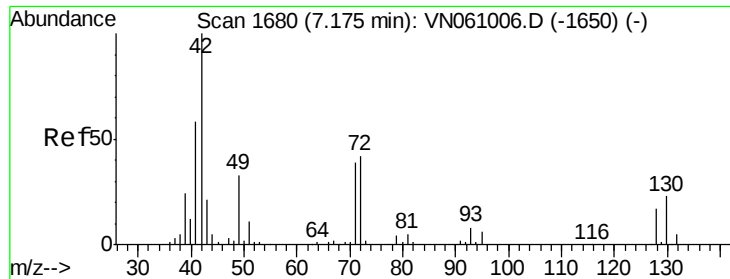
Delta R.T. 0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Tgt Ion:	49	Resp:	35032
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	67.6	52.9	79.3





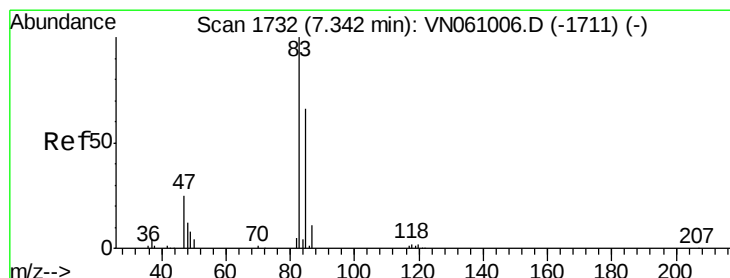
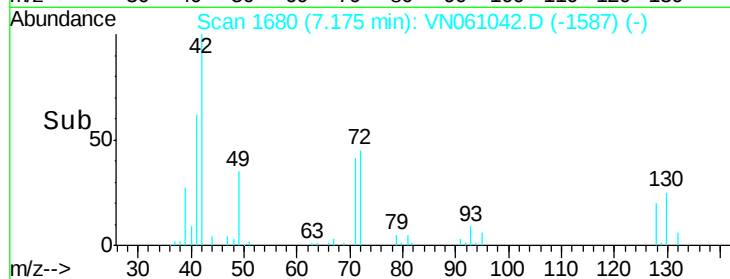
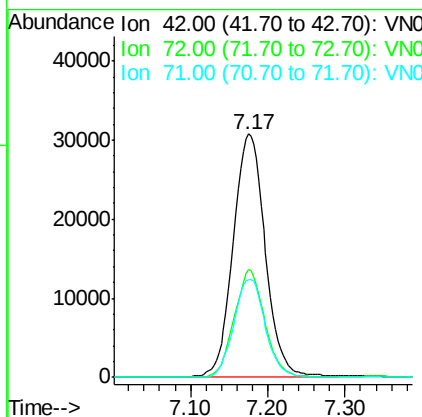
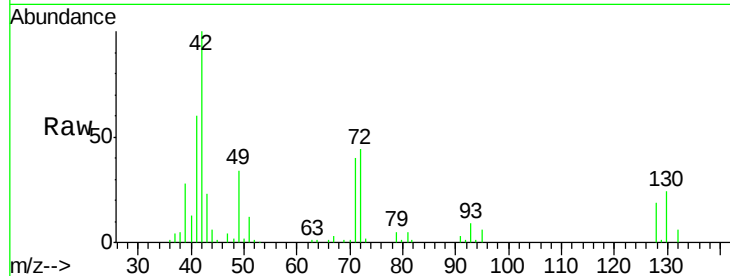
#29
Tetrahydrofuran
Concen: 86.039 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.1	48.1
71	39.1	30.5	45.7

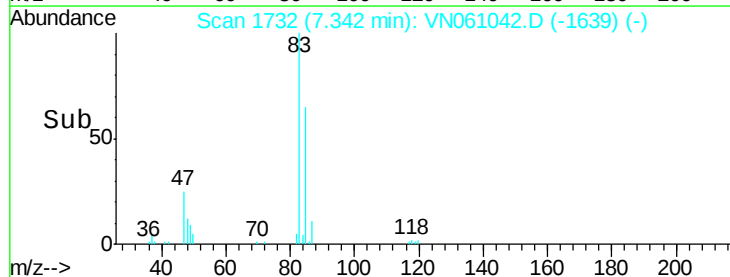
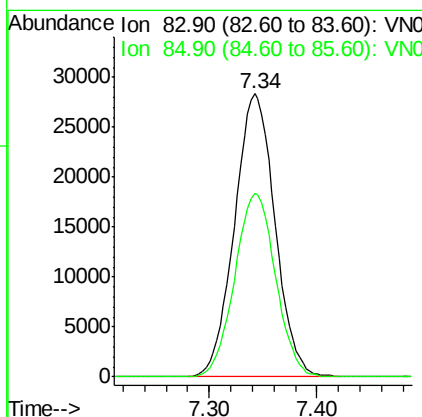
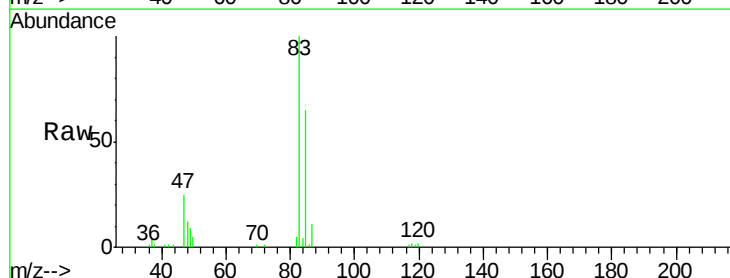
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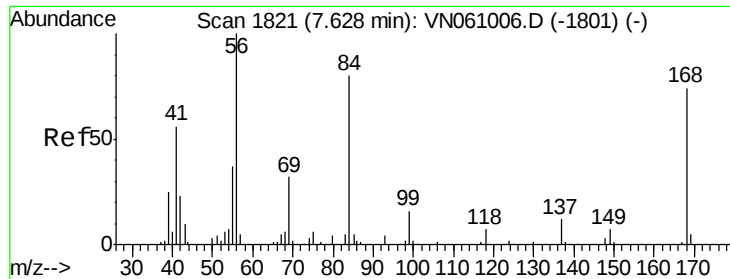
MMDadoda
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#30
Chloroform
Concen: 19.402 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.8	79.2





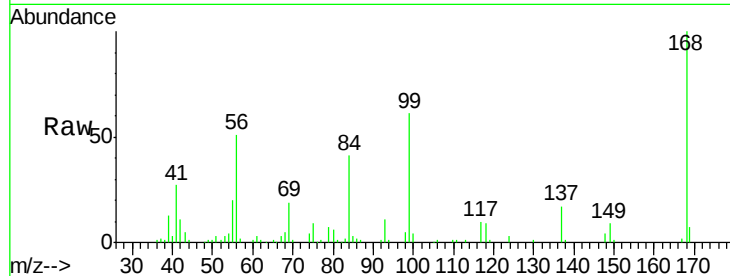
#31
Cyclohexane
Concen: 18.838 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	25.6	38.4
84	79.6	63.4	95.2

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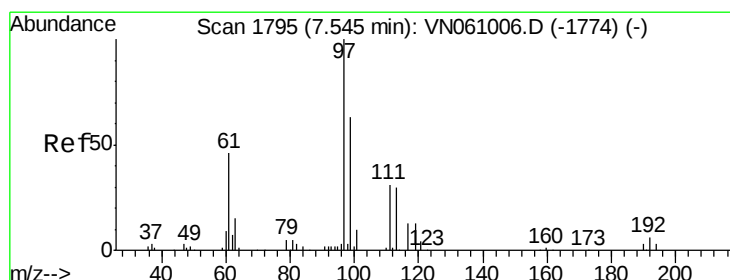
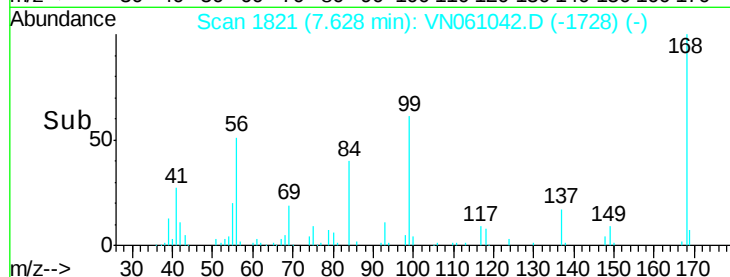
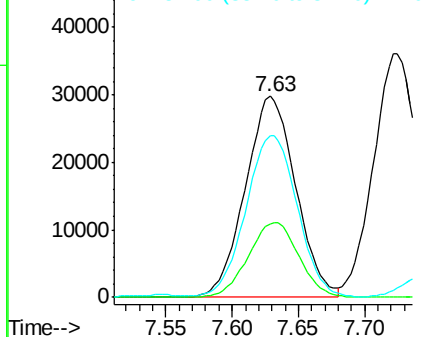


Abundance

Ion 56.00 (55.70 to 56.70): VN061006.D (-1801) (-)

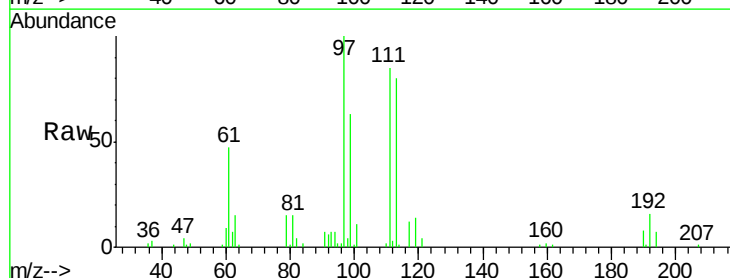
Ion 69.00 (68.70 to 69.70): VN061006.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN061006.D (-1801) (-)



#32
1,1,1-Trichloroethane
Concen: 19.818 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	46.5	37.0	55.6

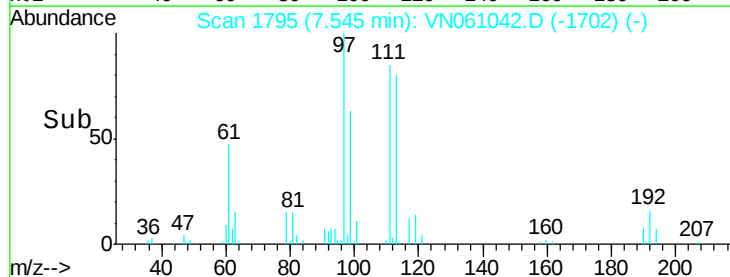
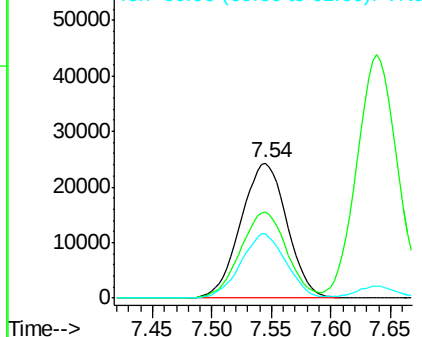


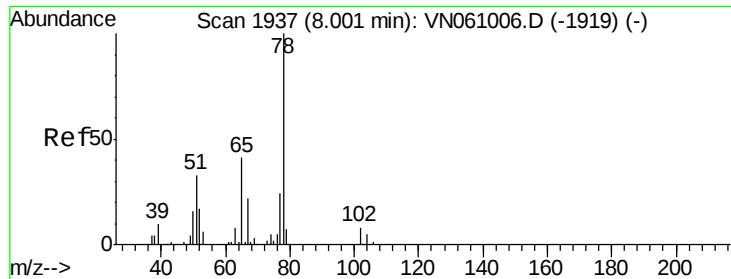
Abundance

Ion 96.90 (96.60 to 97.60): VN061006.D (-1774) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-1774) (-)

Ion 60.90 (60.60 to 61.60): VN061006.D (-1774) (-)





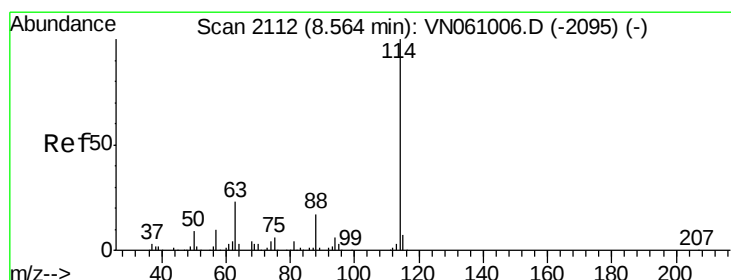
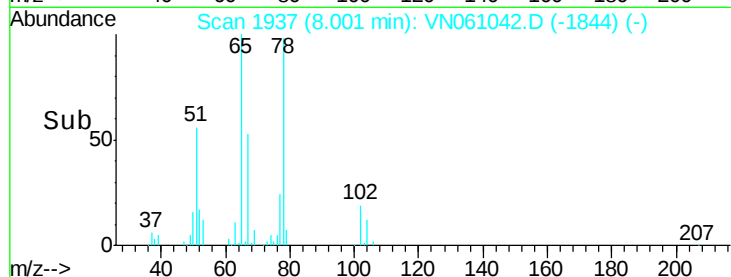
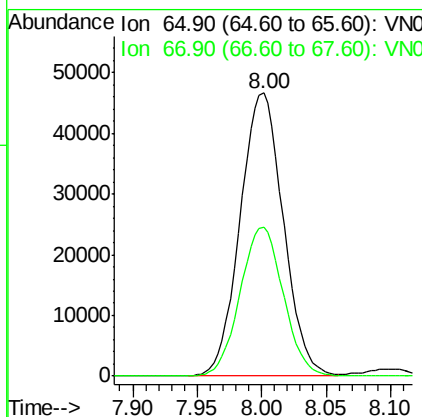
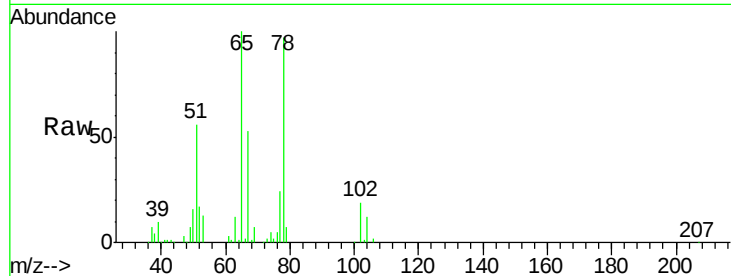
#33
 1,2-Dichloroethane-d4
 Concen: 48.337 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108818		
67	52.8	0.0	107.0	

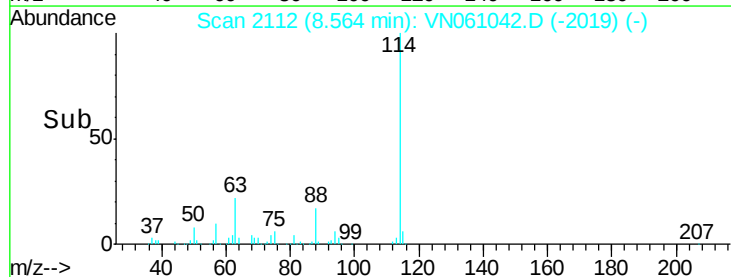
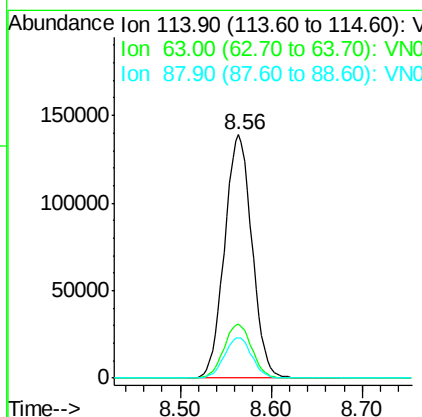
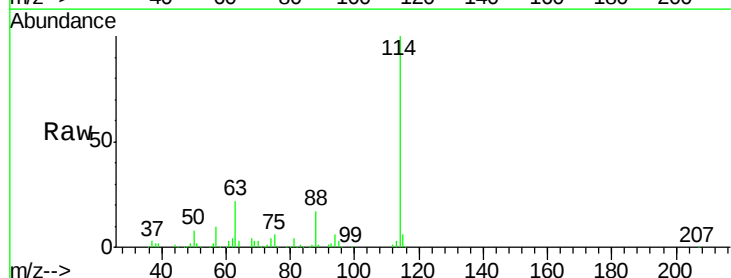
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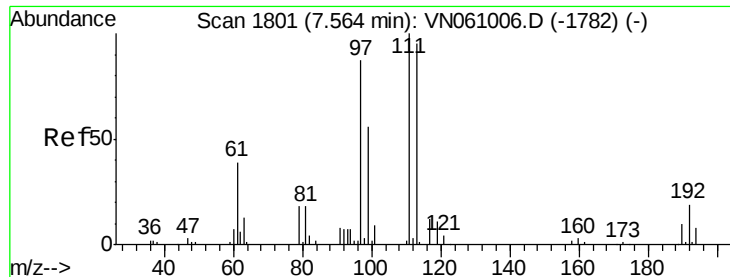
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	290424		
63	22.1	0.0	46.2	
88	16.7	0.0	33.4	





#35

Dibromofluoromethane

Concen: 50.454 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

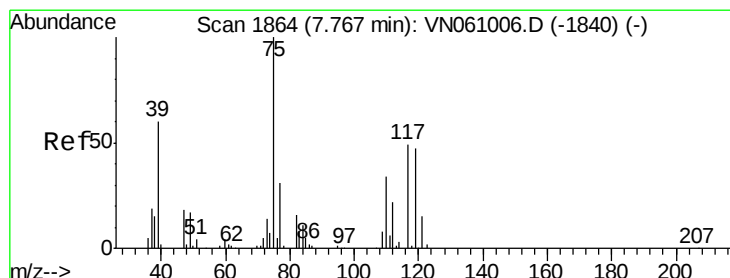
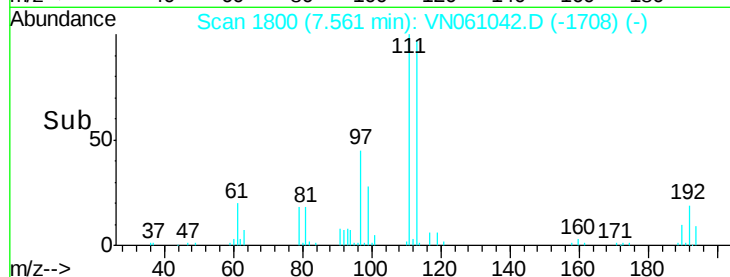
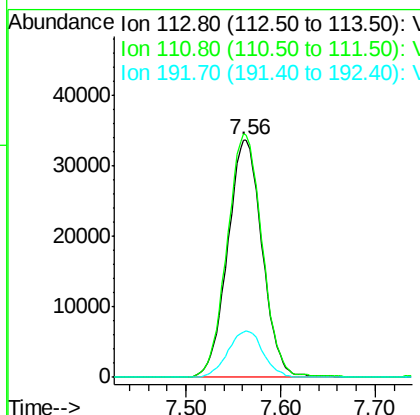
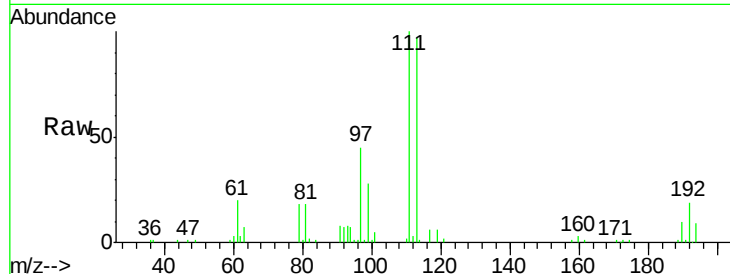
ClientSampleId :

VN0417WBS01

Tot Ion:	113	Resp:	85572
Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.4	125.2
192	19.8	15.5	23.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.656 ug/l

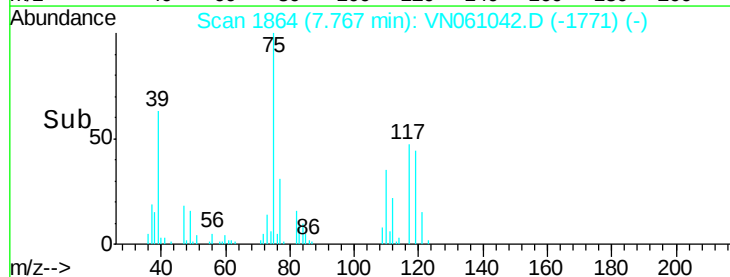
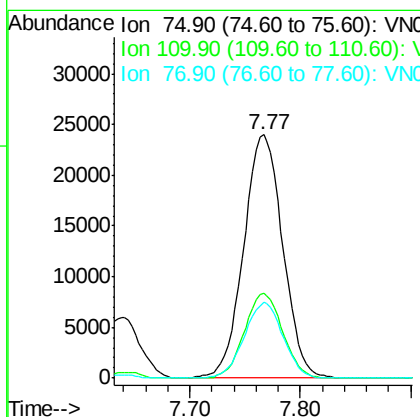
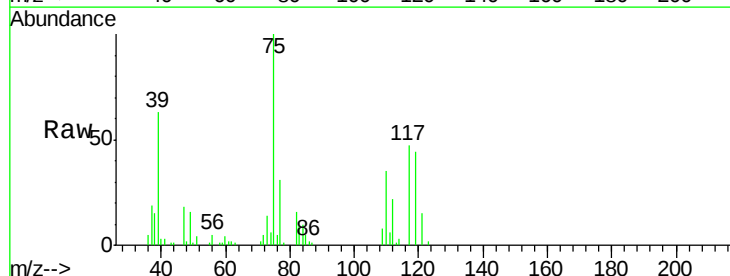
RT: 7.77 min Scan# 1864

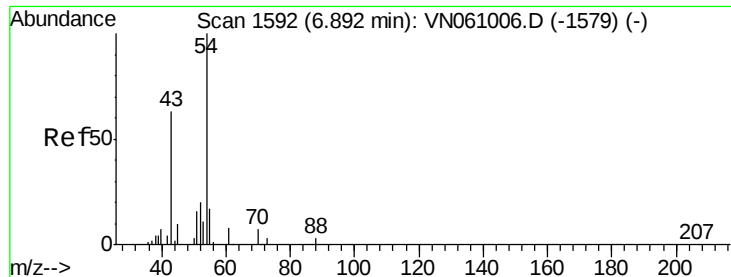
Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Tgt Ion:	75	Resp:	58907
Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.8	50.3
77	30.6	24.7	37.1





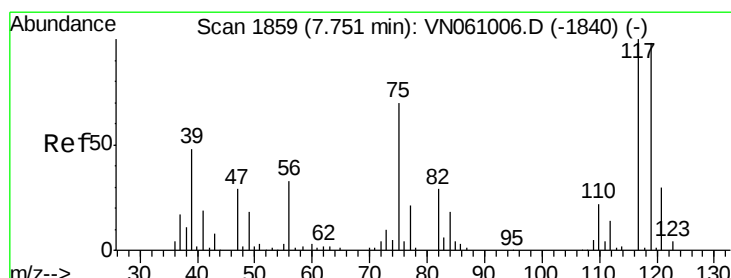
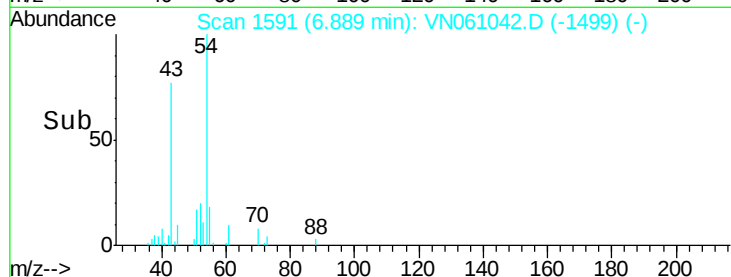
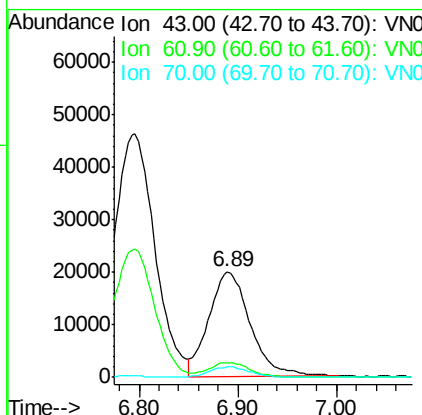
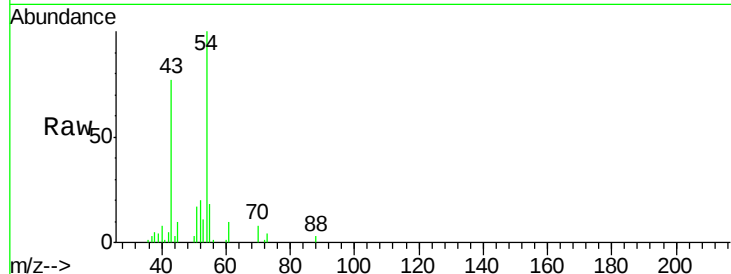
#37
Ethyl Acetate
Concen: 17.886 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	43	Resp	58203
Ion Ratio	100	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	9.8	7.7	11.5

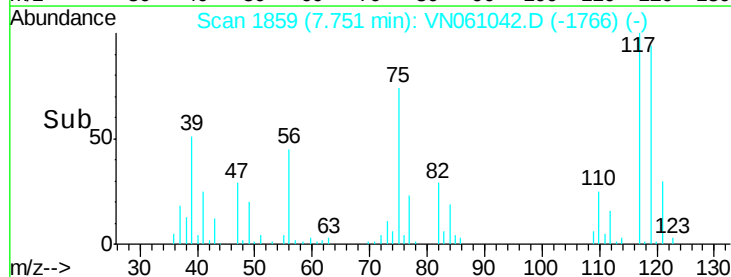
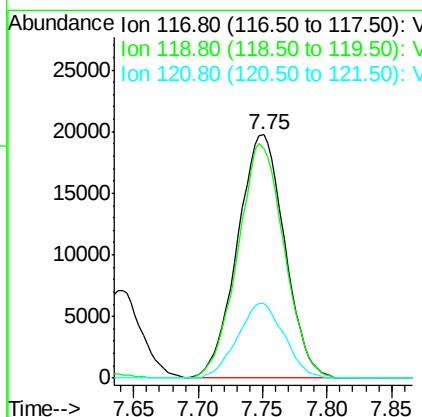
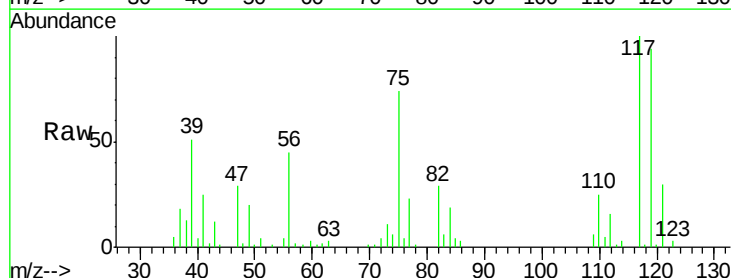
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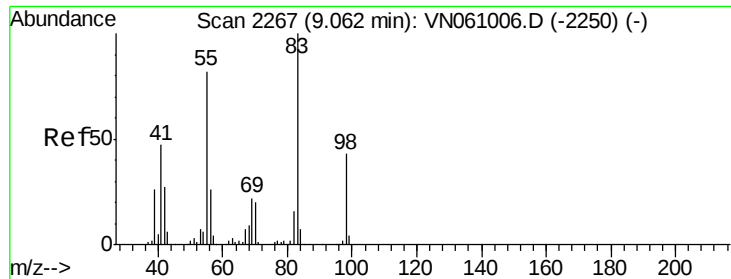
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#38
Carbon Tetrachloride
Concen: 20.214 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	117	Resp	50424
Ion Ratio	100	Lower	Upper
117	100		
119	94.5	78.1	117.1
121	30.5	24.0	36.0





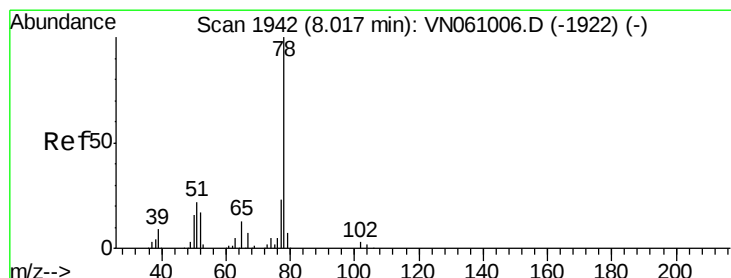
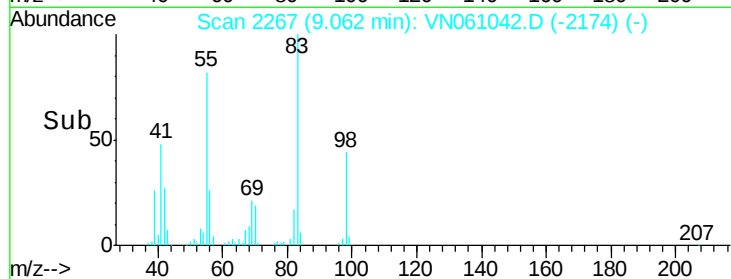
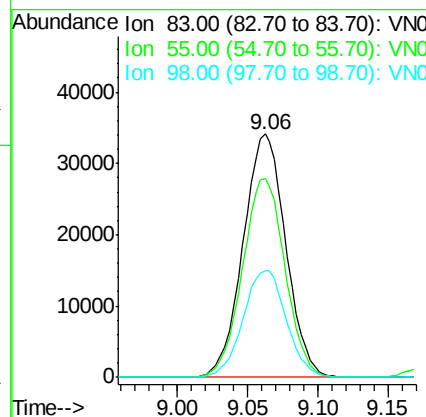
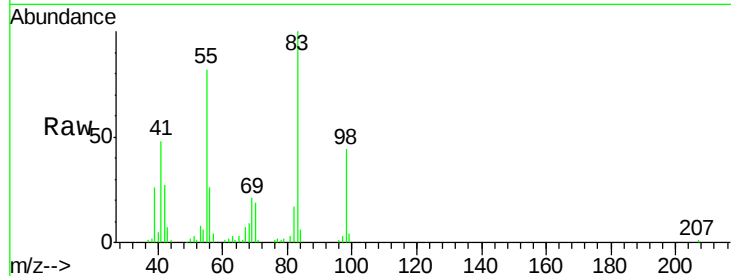
#39
Methvlcvclohexane
Concen: 20.125 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	65.4	98.0
98	43.8	34.6	51.8

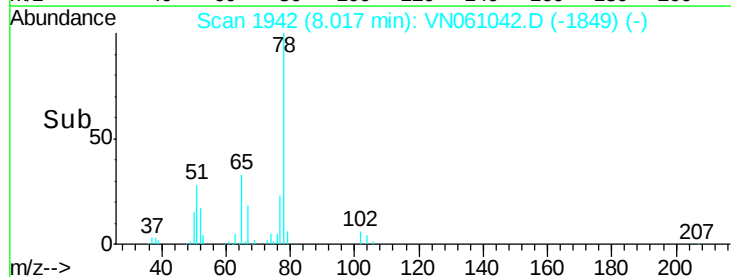
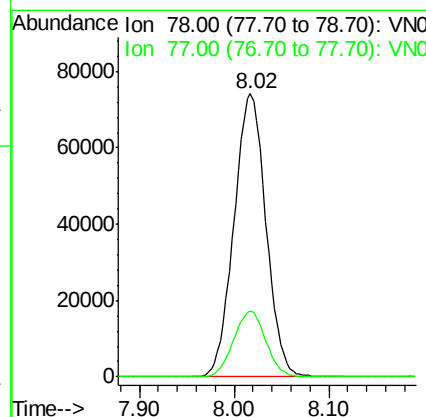
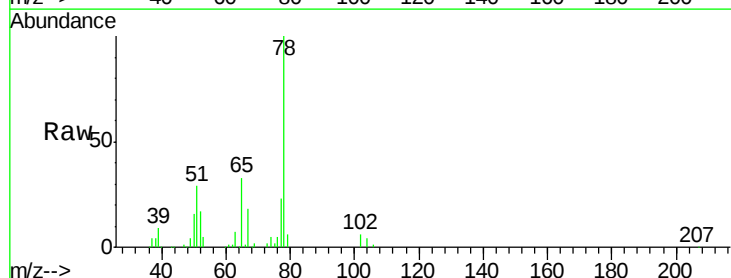
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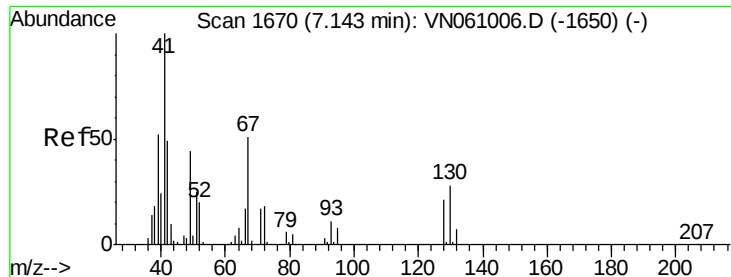
MMDadoda
4/20/2020 10:20:16 AM



#40
Benzene
Concen: 19.572 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





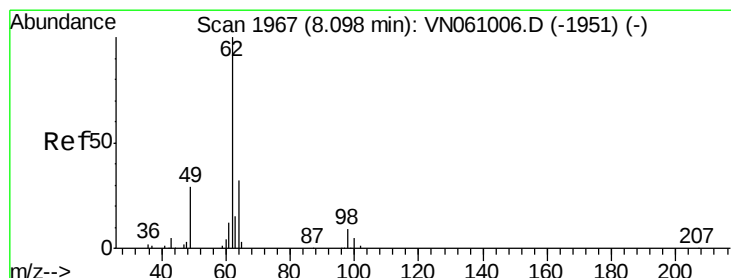
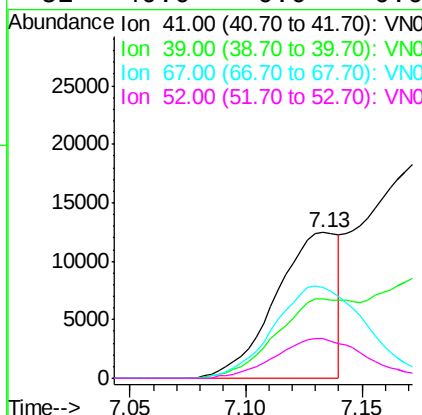
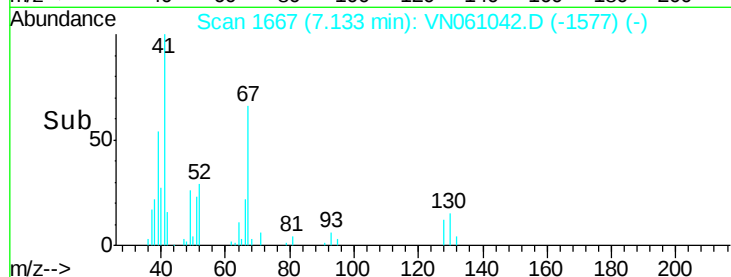
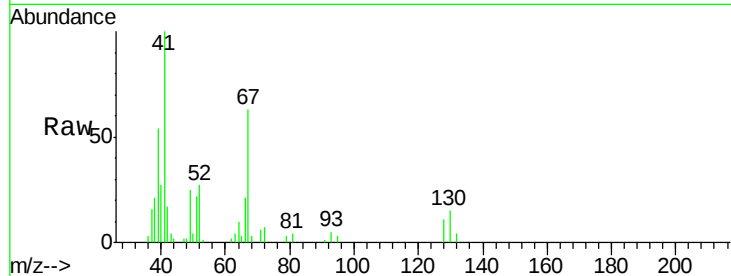
#41
Methacrylonitrile
Concen: 17.154 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. -0.01 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.3	0.0	0.0#
67	95.6	0.0	0.0#
52	40.0	0.0	0.0#

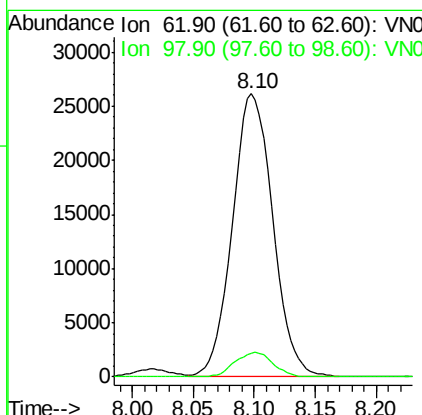
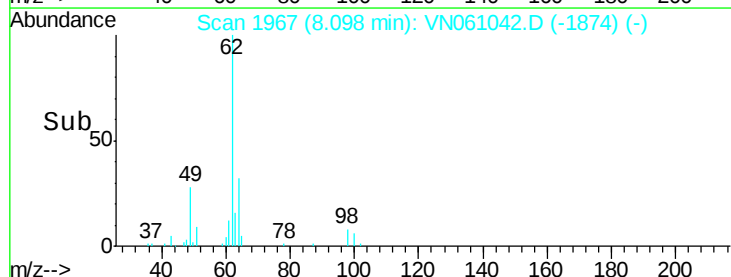
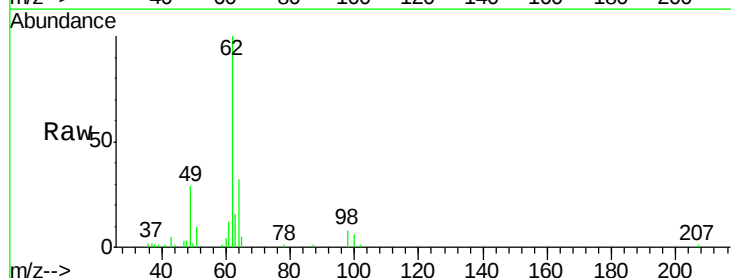
Manual Integrations
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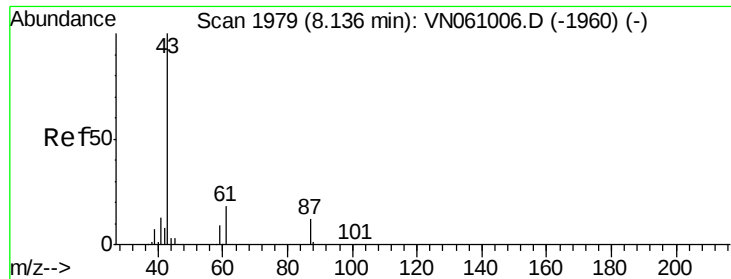
MMDadoda
4/20/2020 10:20:16 AM



#42
1,2-Dichloroethane
Concen: 19.870 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





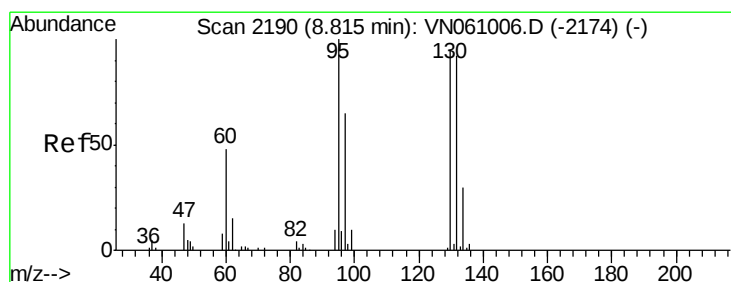
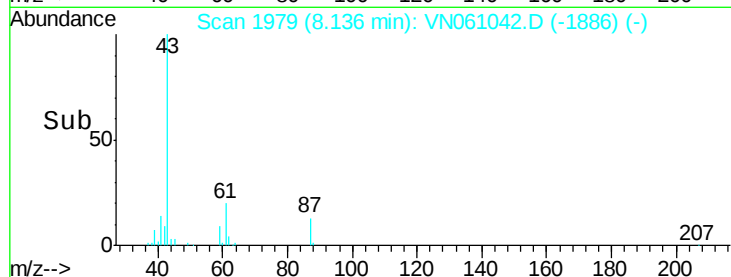
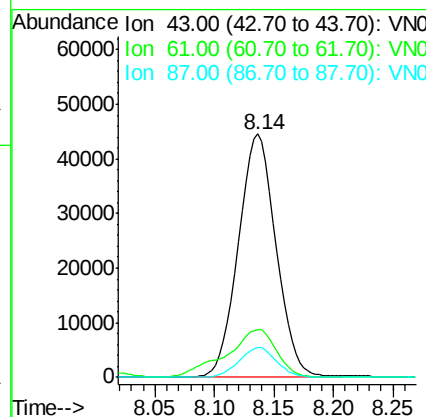
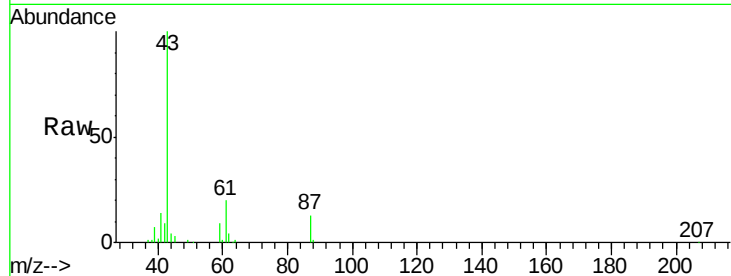
#43
Isopropyl Acetate
Concen: 18.518 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.3	30.5
87	12.0	9.4	14.2

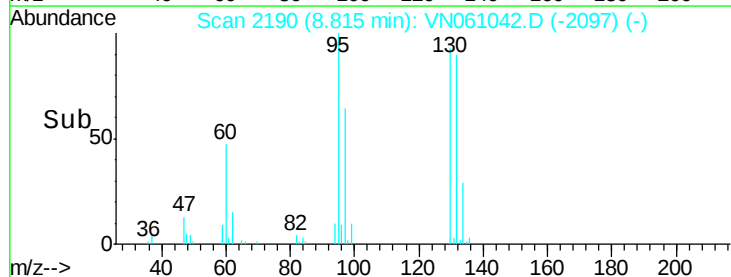
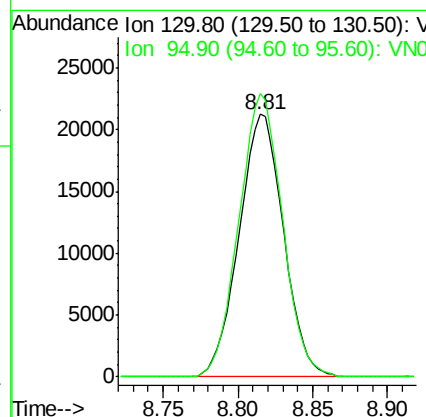
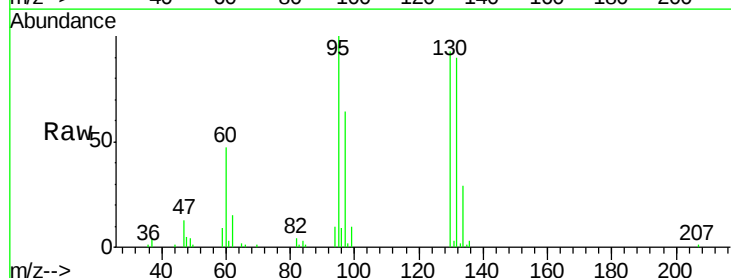
Manual Integrations
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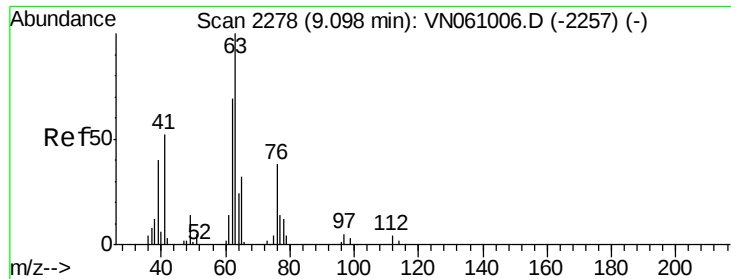
MMDadoda
4/20/2020 10:20:16 AM



#44
Trichloroethene
Concen: 19.636 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.9	0.0	210.0





#45

1,2-Dichloropropane

Concen: 19.412 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 63 Resp: 46617

Ion Ratio Lower Upper

63 100

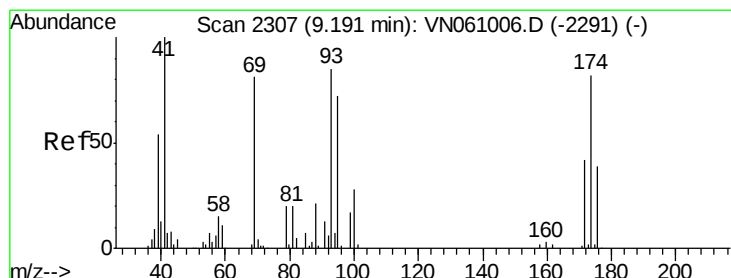
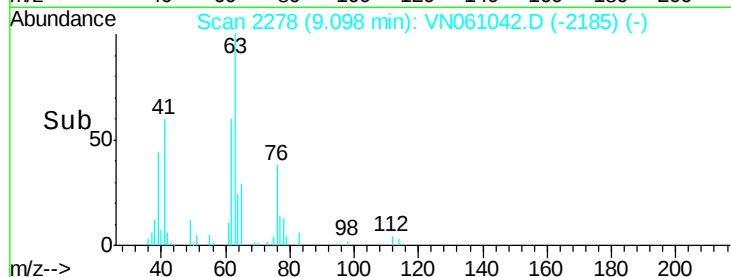
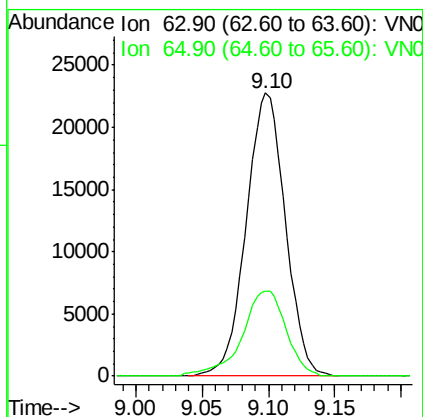
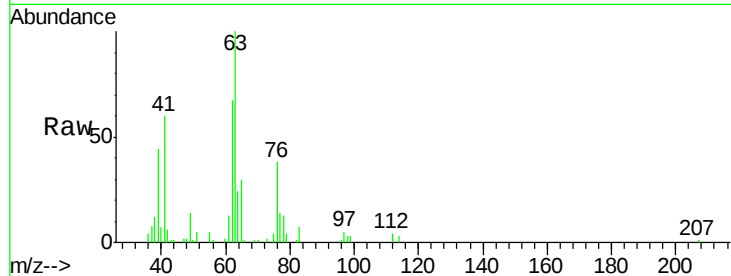
65 30.2 25.2 37.8

Manual Integrations

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MMDadoda

4/20/2020 10:20:16 AM



#46

Dibromomethane

Concen: 19.985 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

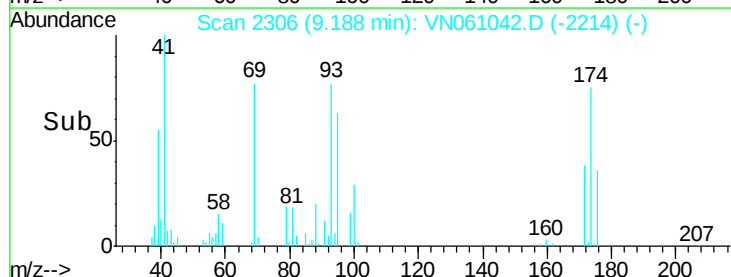
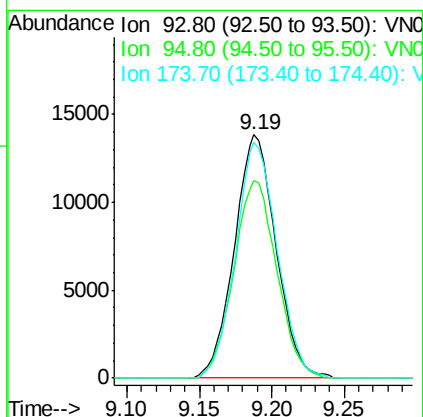
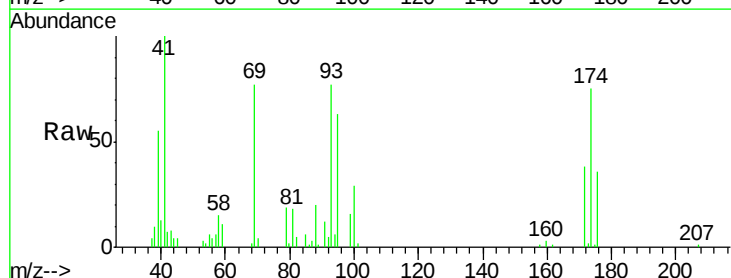
Tgt Ion: 93 Resp: 27670

Ion Ratio Lower Upper

93 100

95 83.6 66.8 100.2

174 96.8 76.2 114.4





#47

Bromodichloromethane

Concen: 19.798 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

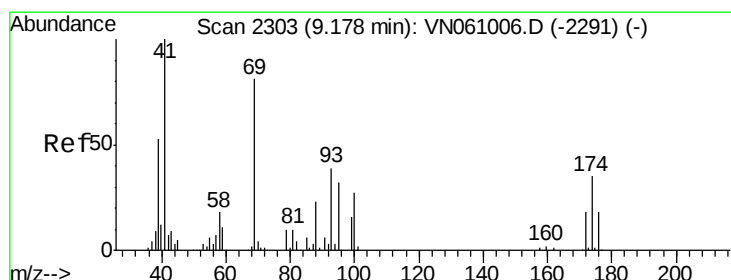
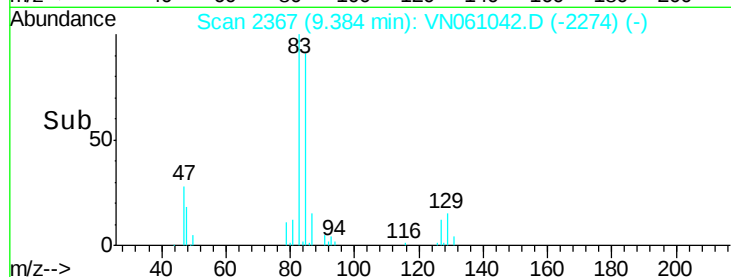
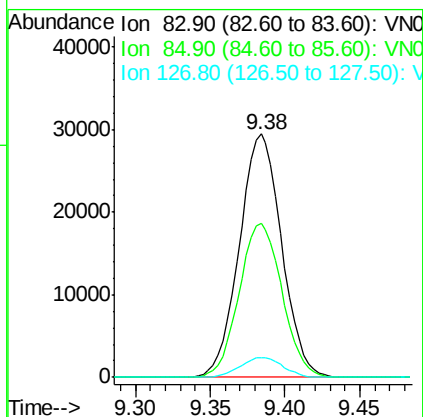
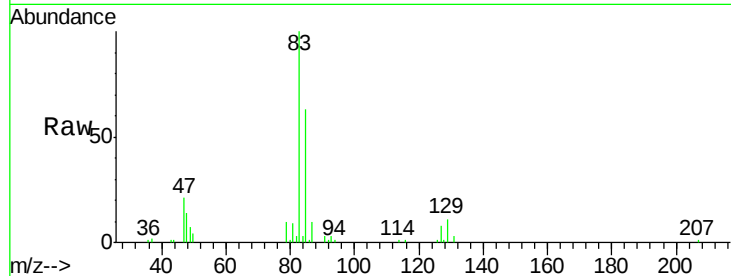
ClientSampleId :

VN0417WBS01

Tot Ion:	83	Resp:	57908
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0
127	8.1	6.1	9.1

Manual Integrations
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MMDadoda
4/20/2020 10:20:16 AM



#48

Methyl methacrylate

Concen: 18.427 ug/l

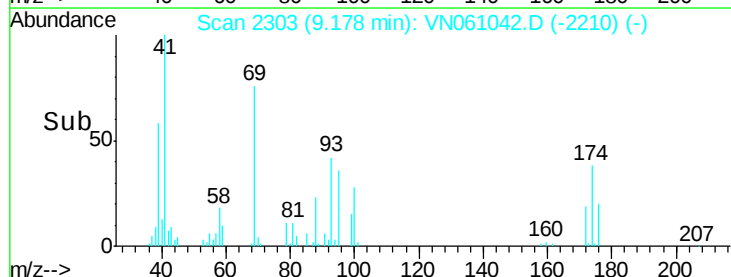
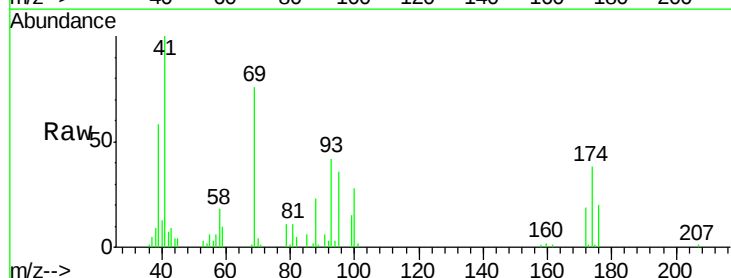
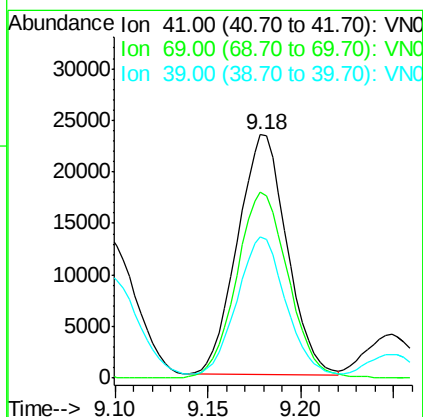
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Tgt Ion:	41	Resp:	43099
Ion	Ratio	Lower	Upper
41	100		
69	80.9	65.3	97.9
39	56.4	45.2	67.8





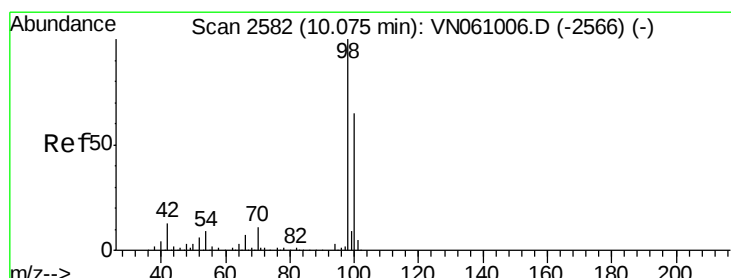
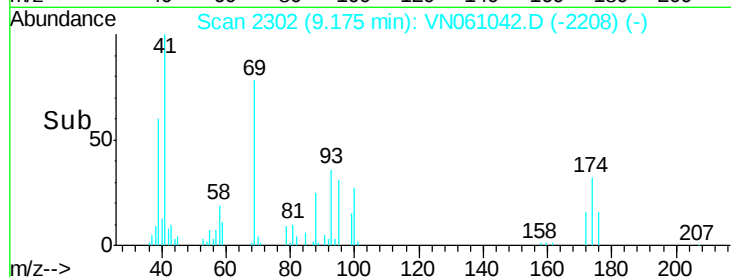
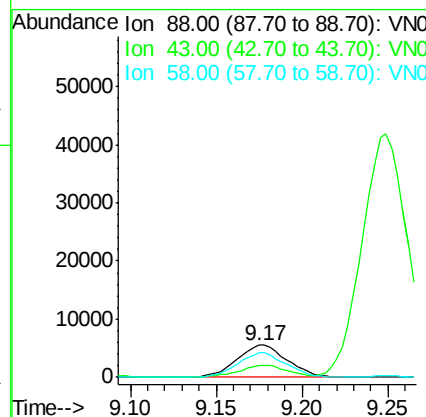
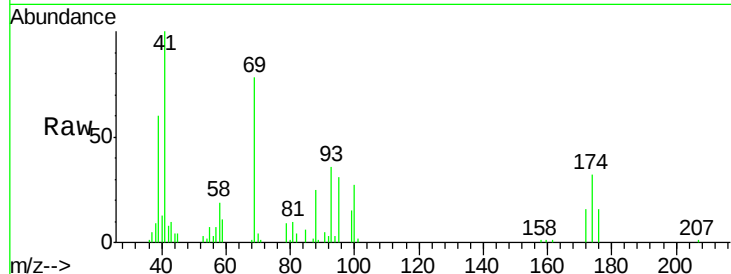
#49
1,4-Dioxane
Concen: 354.056 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	30.9	46.3
58	72.7	59.8	89.8

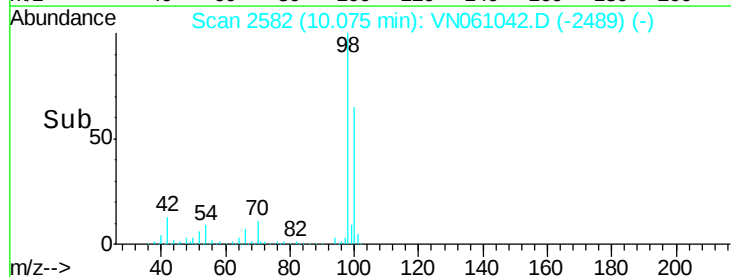
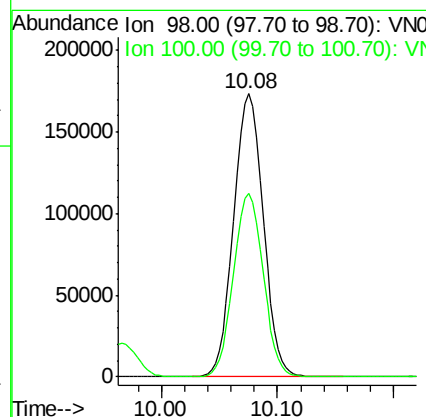
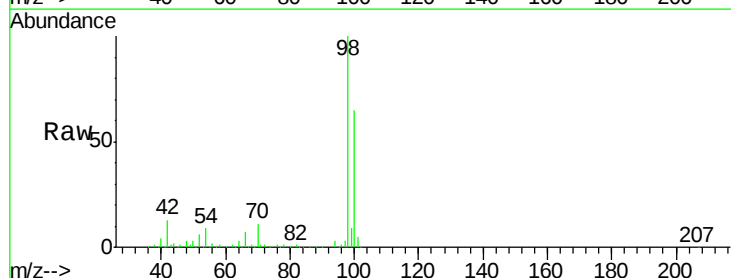
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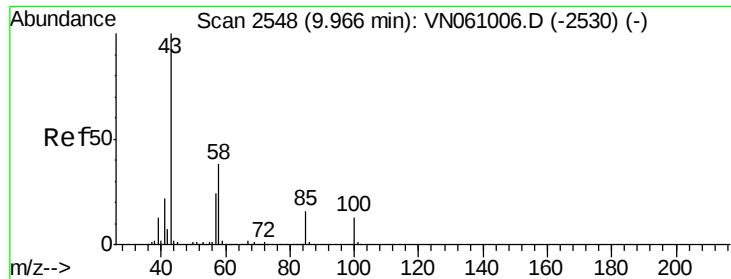
MMDadoda
4/20/2020 10:20:16 AM



#50
Toluene-d8
Concen: 47.931 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 91.561 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 43 Resp: 279349

Ion Ratio Lower Upper

43 100

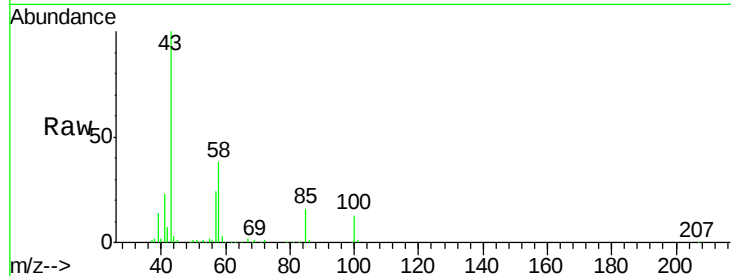
58 38.0 30.3 45.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)

9.97

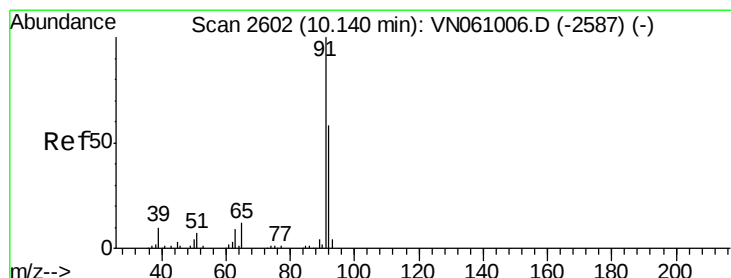
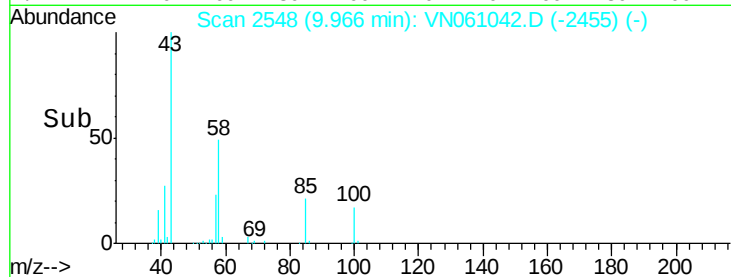
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.692 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN061042.D

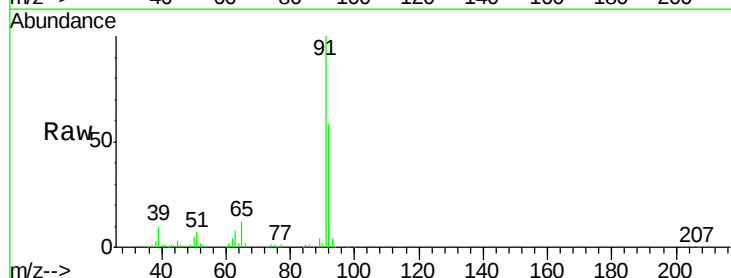
Acq: 17 Apr 2020 11:57

Tgt Ion: 92 Resp: 105032

Ion Ratio Lower Upper

92 100

91 173.9 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VN061006.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN061006.D (-2587) (-)

10.14

120000

100000

80000

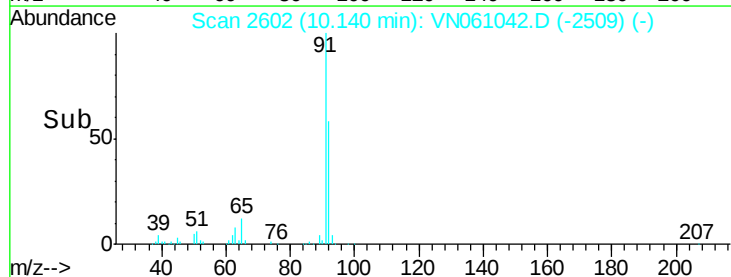
60000

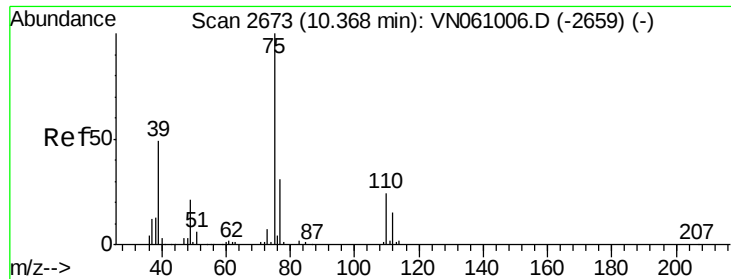
40000

20000

0

Time-->





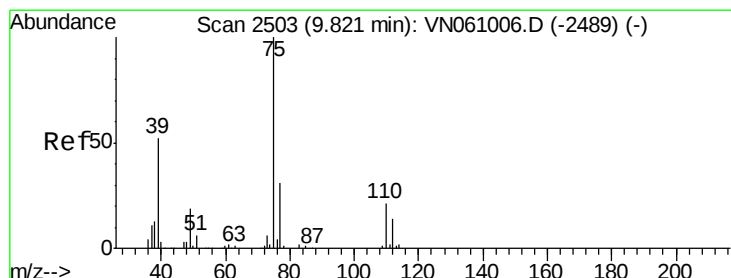
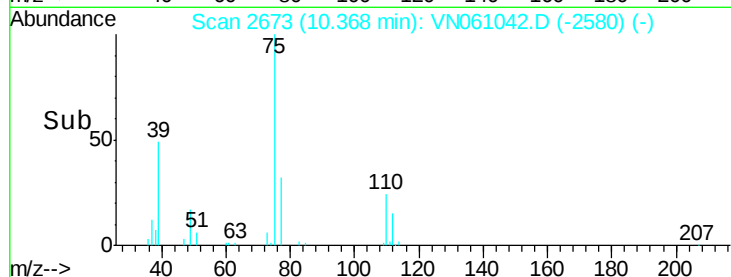
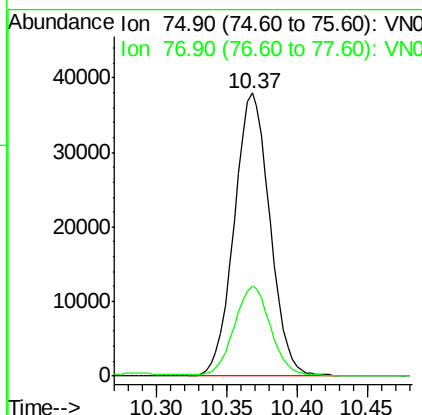
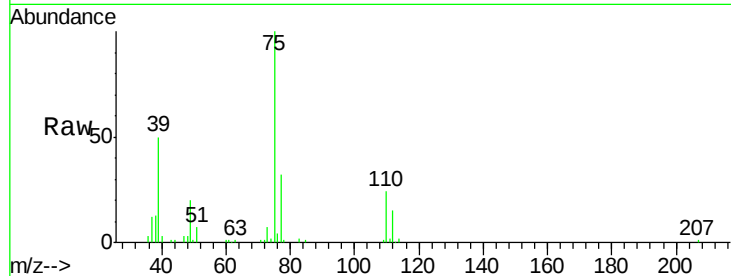
#53
t-1,3-Dichloropropene
Concen: 19.795 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion: 75 Resp: 67254
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6

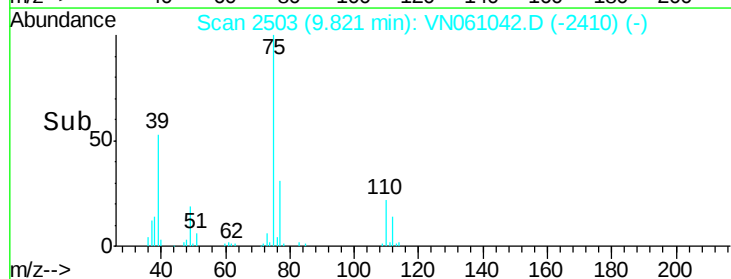
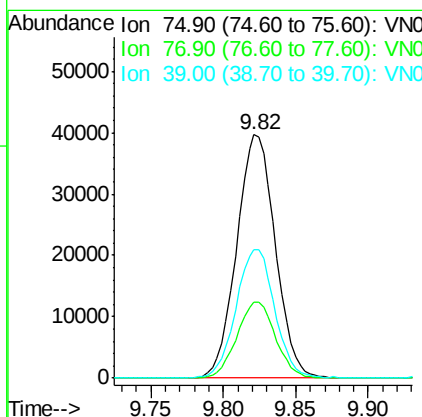
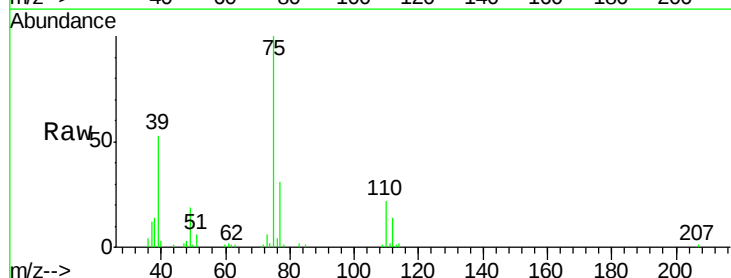
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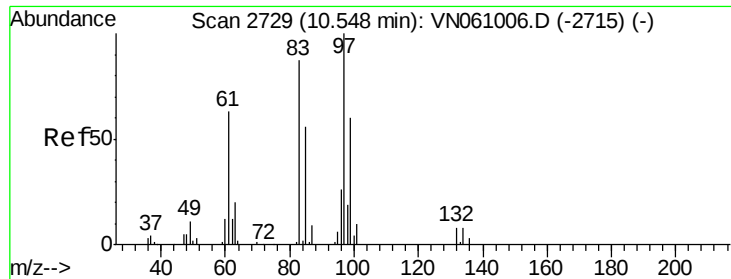
MMDadoda
4/20/2020 10:20:16 AM



#54
cis-1,3-Dichloropropene
Concen: 19.797 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion: 75 Resp: 73388
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.6
39 52.8 41.4 62.2





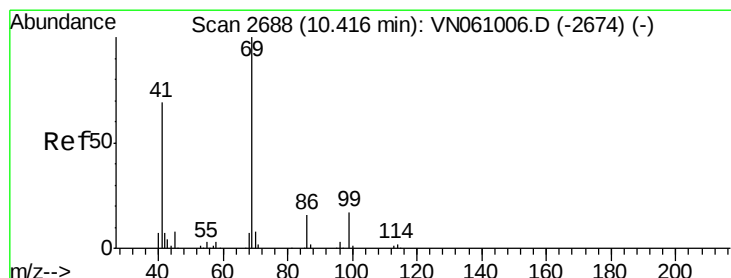
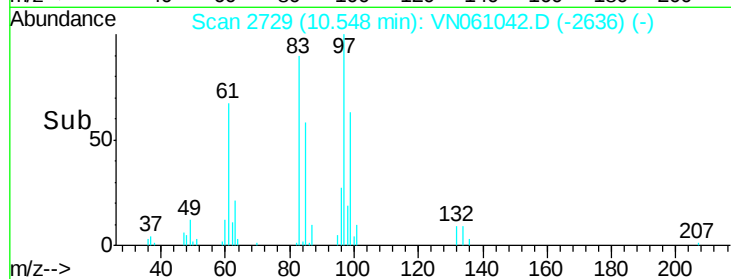
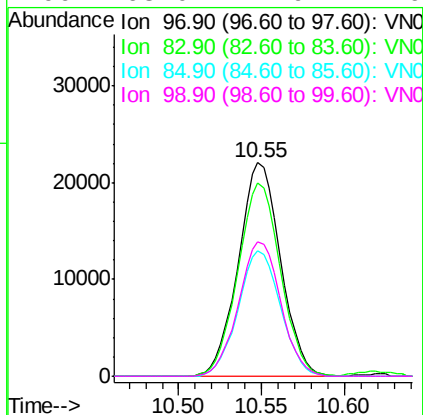
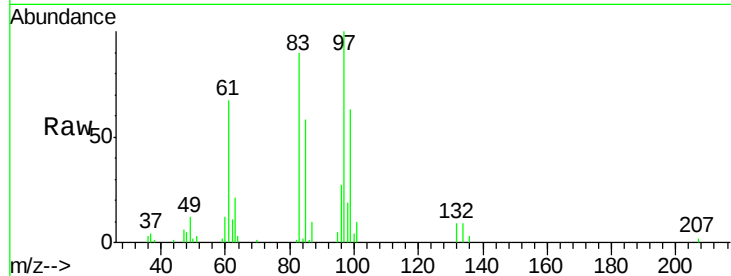
#55
 1,1,2-Trichloroethane
 Concen: 19.326 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion:	97	Resp:	39009
Ion	Ratio	Lower	Upper
97	100		
83	90.4	69.5	104.3
85	58.5	45.0	67.4
99	63.0	47.9	71.9

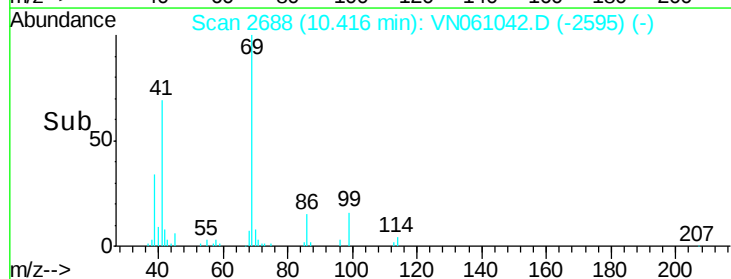
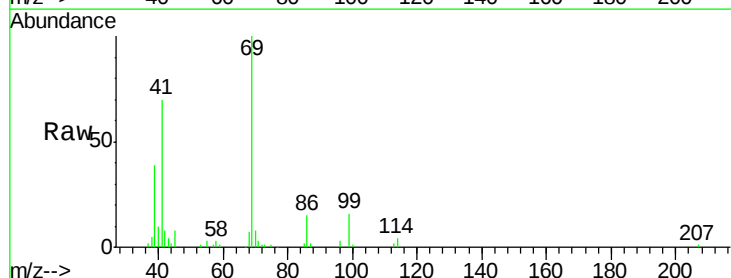
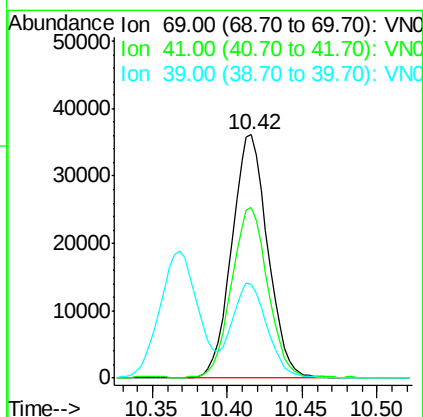
Manual Integrations
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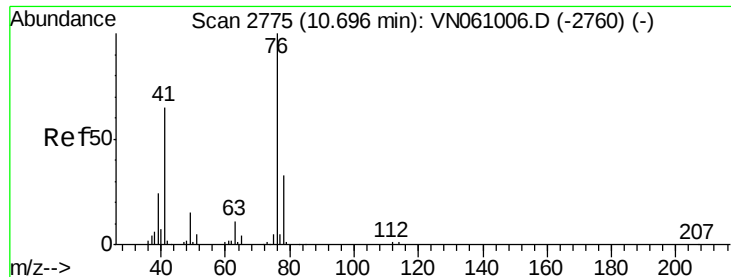
MMDadoda
 4/20/2020 10:20:16 AM



#56
 Ethyl methacrylate
 Concen: 19.082 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Tgt Ion:	69	Resp:	60566
Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.7	85.1
39	38.3	29.4	44.0





#57

1,3-Dichloropropane

Concen: 19.585 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 76 Resp: 70514

Ion Ratio Lower Upper

76 100

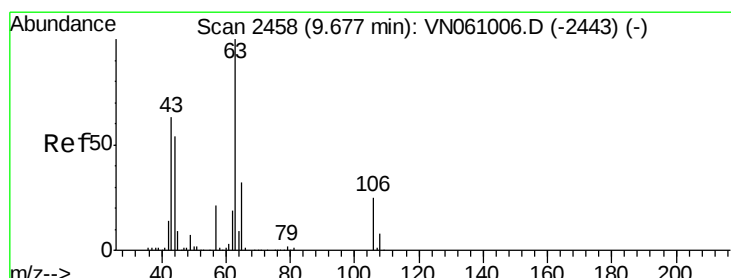
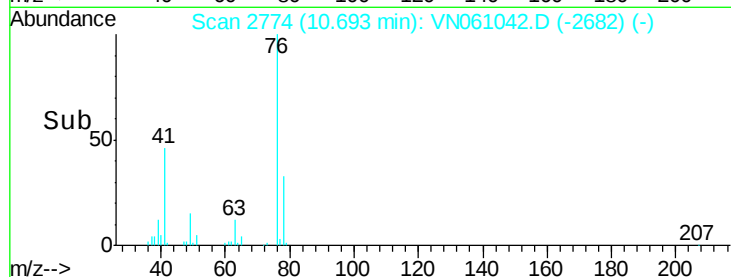
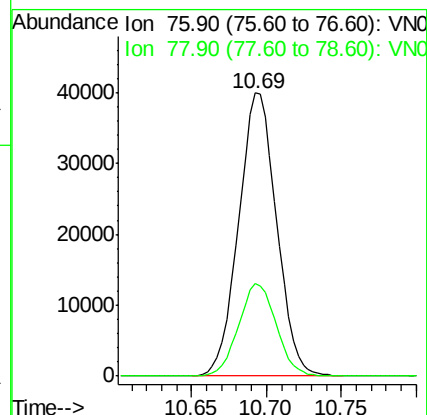
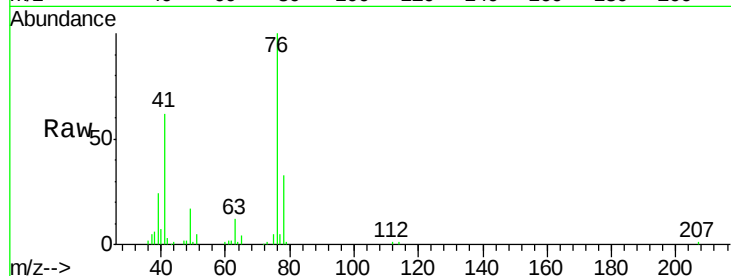
78 32.2 25.4 38.0

Manual Integrations

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MMDadoda

4/20/2020 10:20:16 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.770 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061042.D

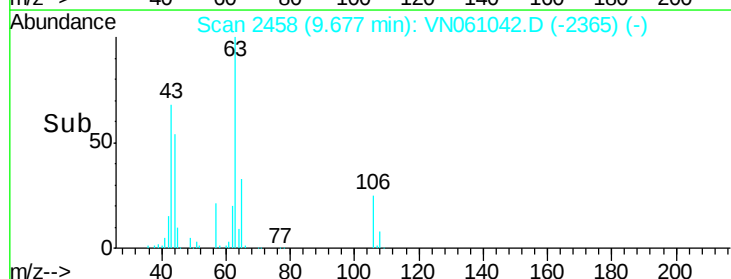
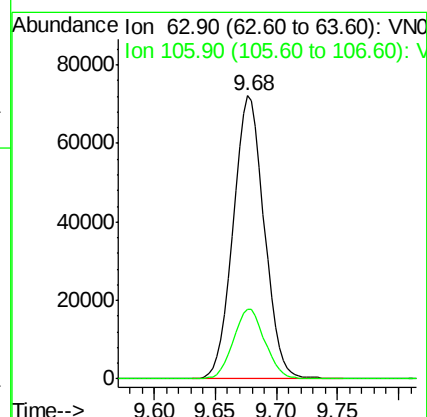
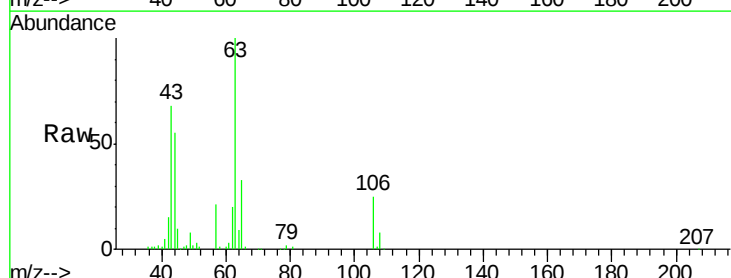
Acq: 17 Apr 2020 11:57

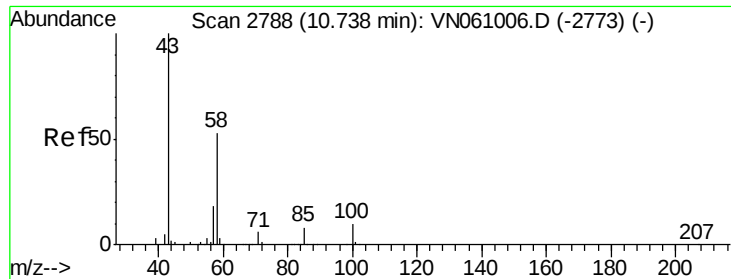
Tgt Ion: 63 Resp: 128030

Ion Ratio Lower Upper

63 100

106 25.0 19.5 29.3





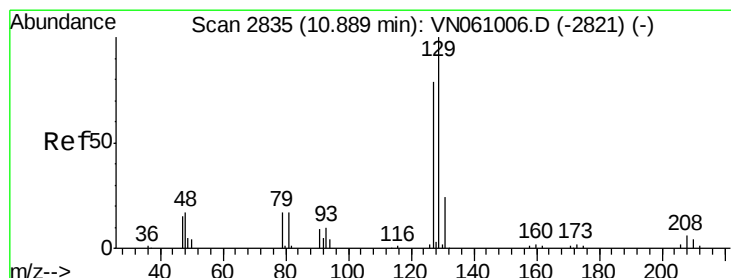
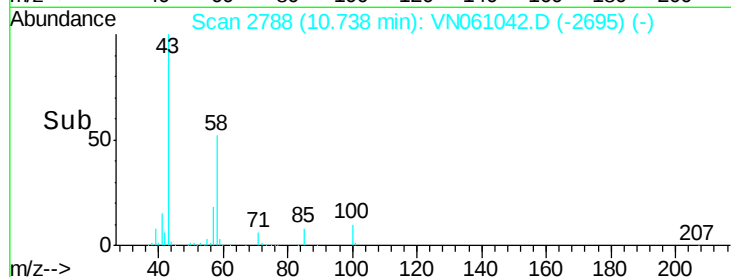
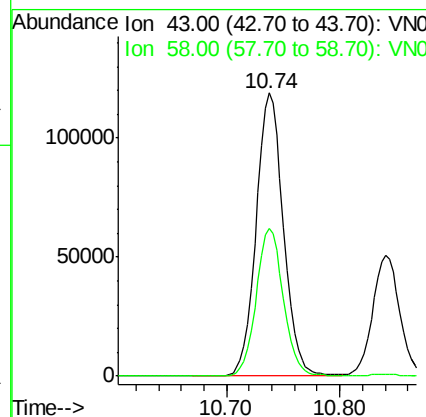
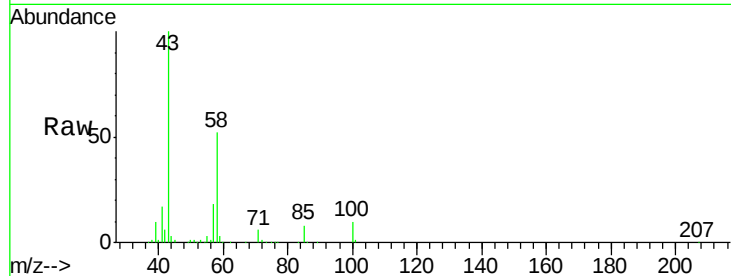
#59
2-Hexanone
Concen: 90.356 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion: 43 Resp: 198808
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0

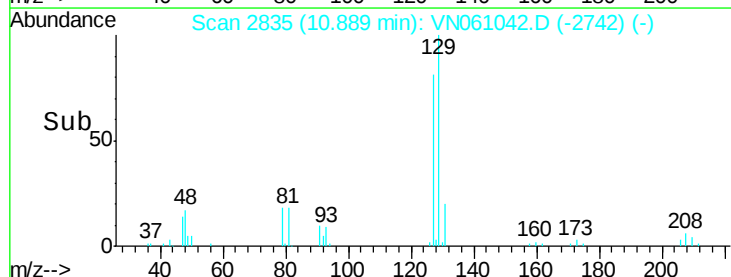
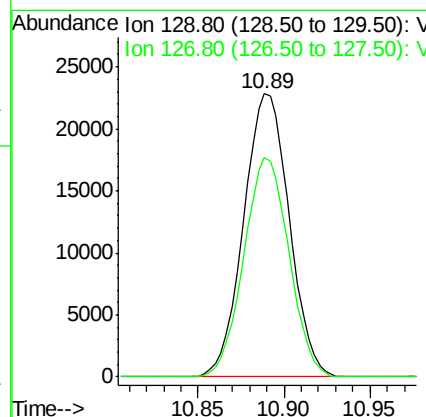
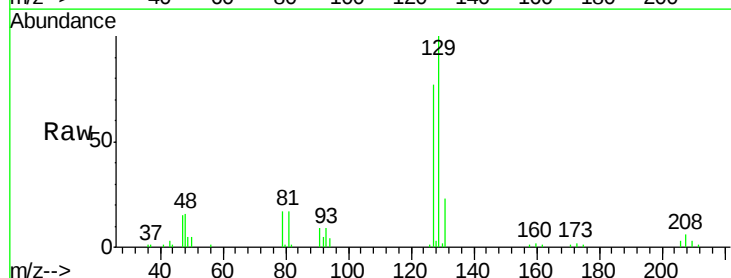
Manual Integrations
APPROVED

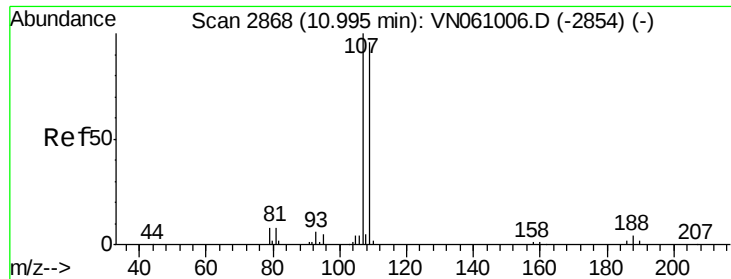
MMDadoda
4/20/2020 10:20:16 AM



#60
Dibromochloromethane
Concen: 20.273 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion: 129 Resp: 42035
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9





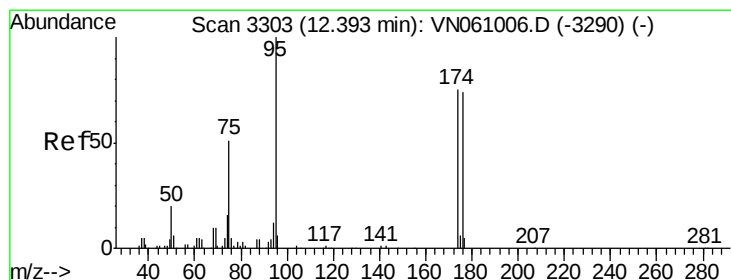
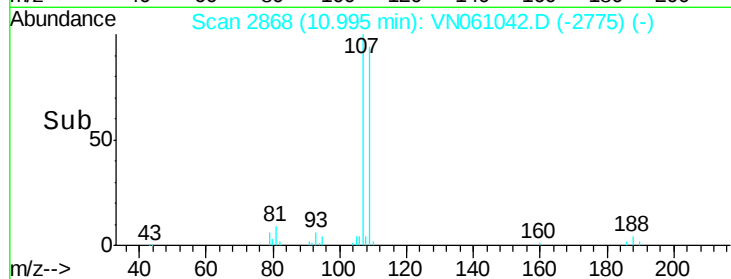
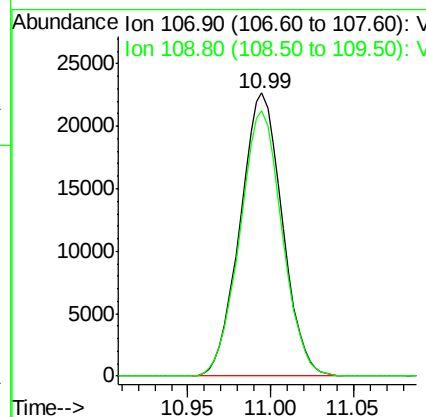
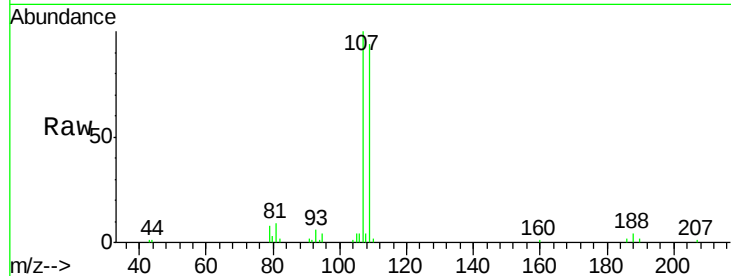
#61
 1,2-Dibromoethane
 Concen: 19.481 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.9	113.9

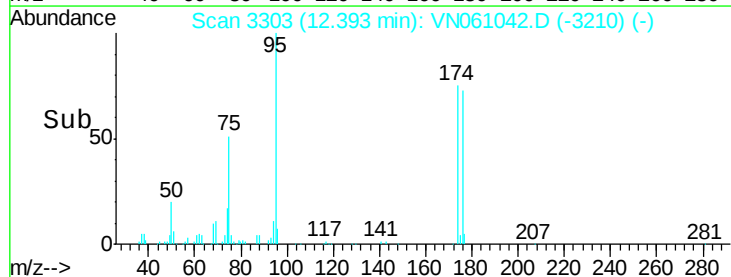
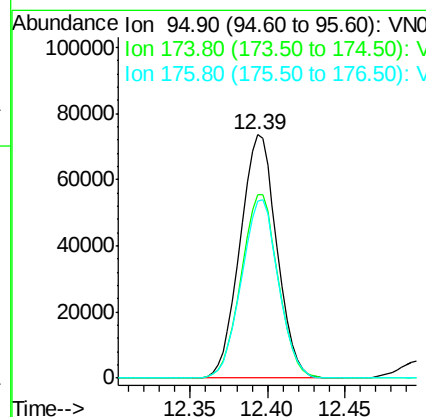
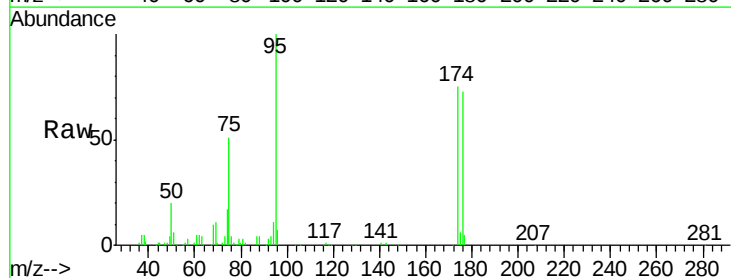
Manual Integrations
 APPROVED

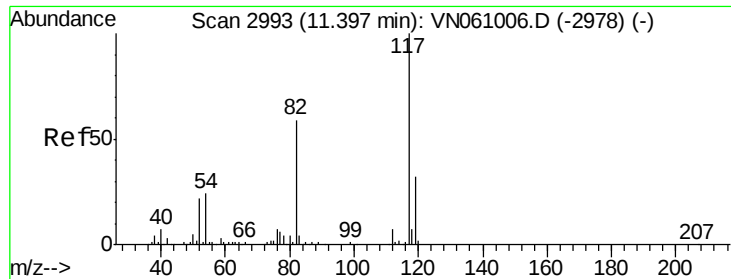
MMDadoda
 4/20/2020 10:20:16 AM



#62
 4-Bromofluorobenzene
 Concen: 48.403 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	151.2
176	73.6	0.0	148.2





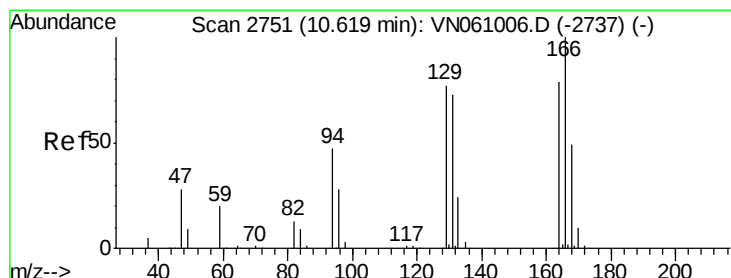
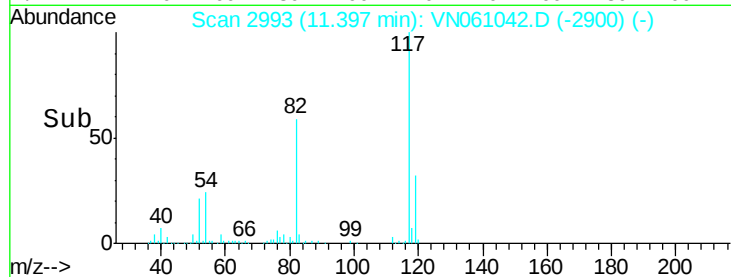
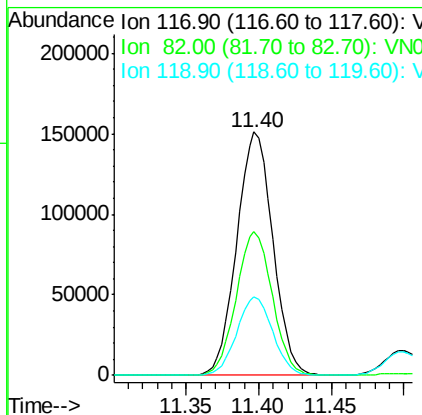
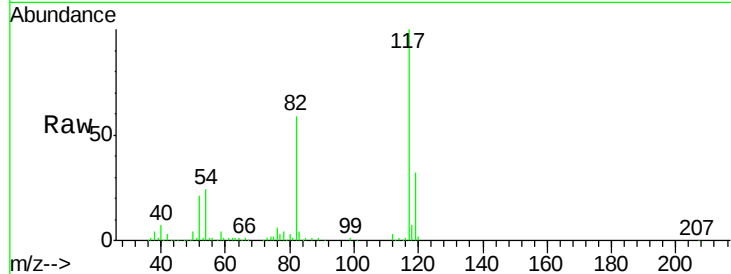
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.1	70.7
119	32.0	25.7	38.5

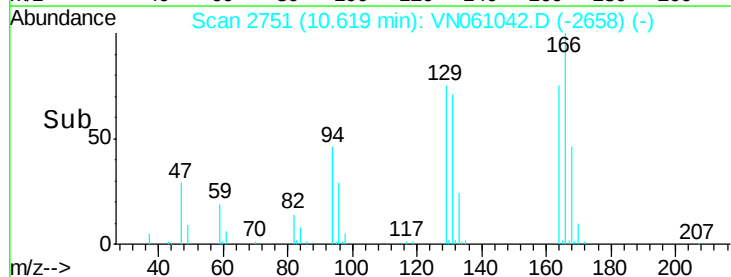
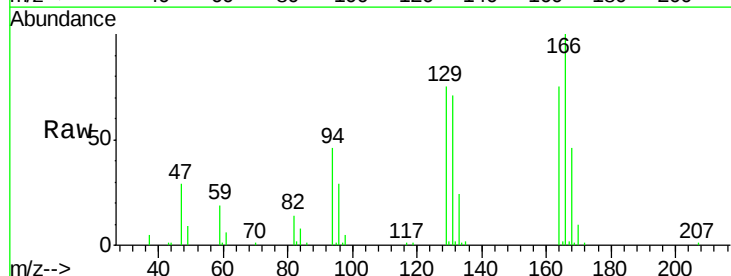
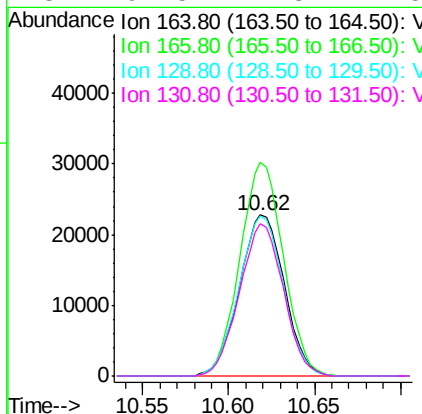
Manual Integrations
APPROVED

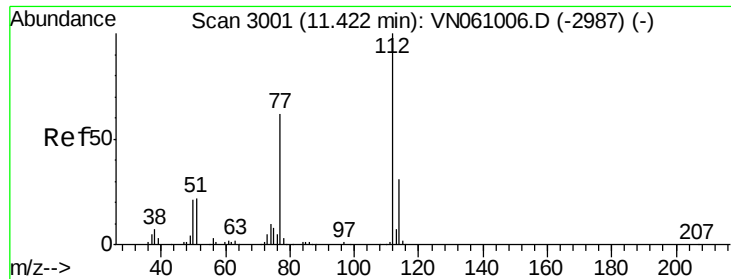
MMDadoda
4/20/2020 10:20:16 AM



#64
Tetrachloroethene
Concen: 20.573 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	101.6	152.4
129	99.6	78.5	117.7
131	94.5	74.3	111.5





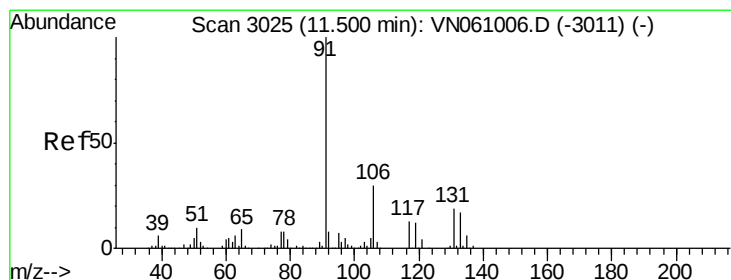
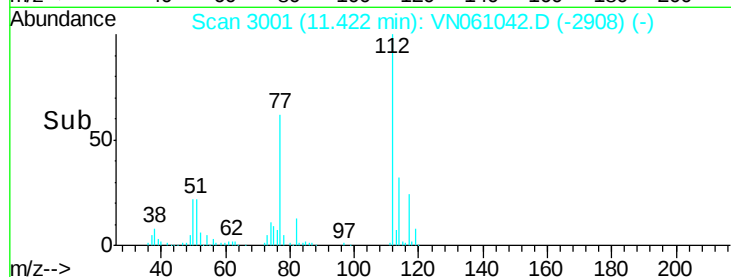
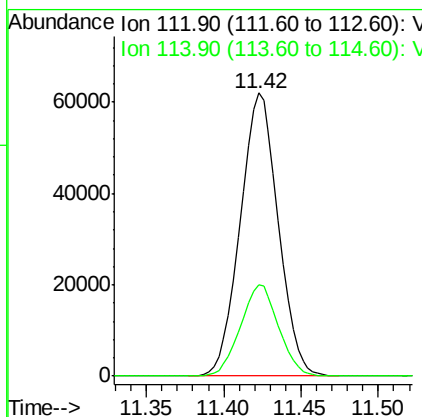
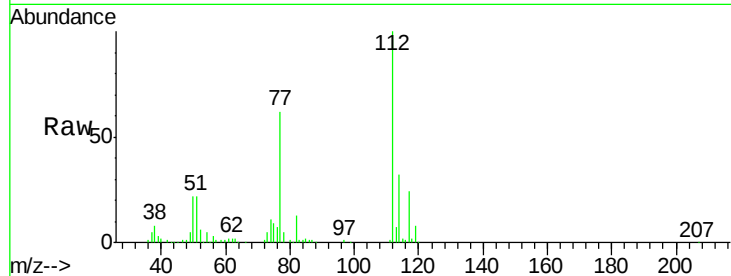
#65
Chlorobenzene
Concen: 19.592 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion:112 Resp: 105990
Ion Ratio Lower Upper
112 100
114 32.5 25.1 37.7

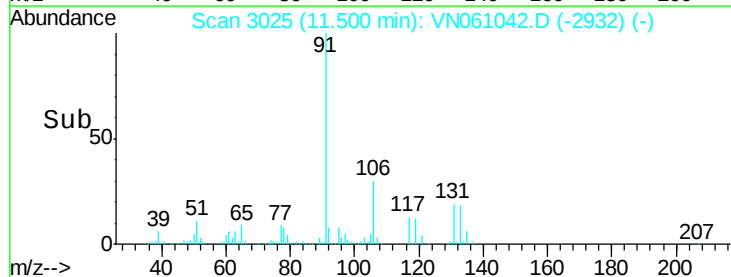
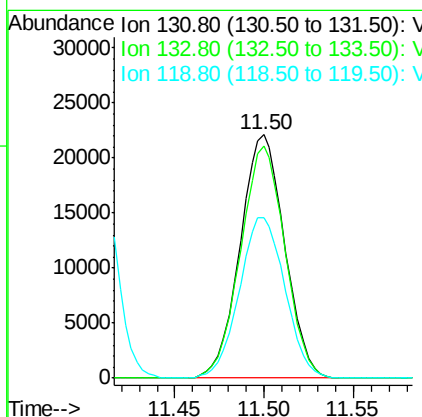
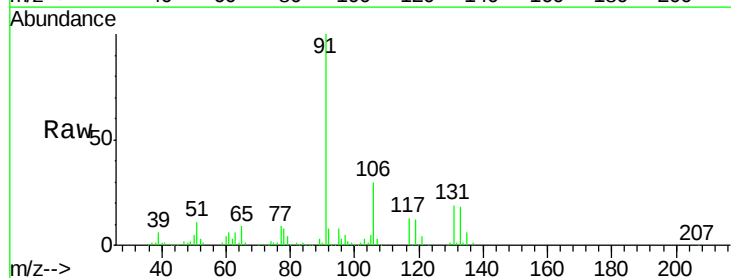
Manual Integrations
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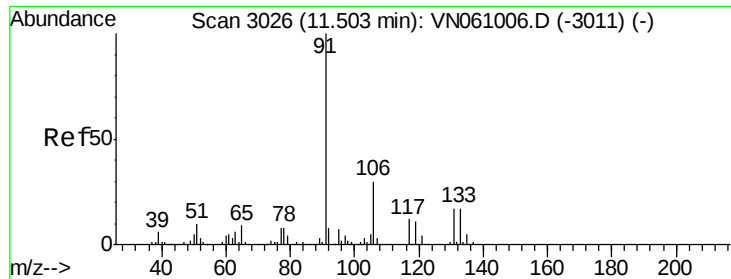
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.911 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion:131 Resp: 38538
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.8
119 67.6 33.3 99.8





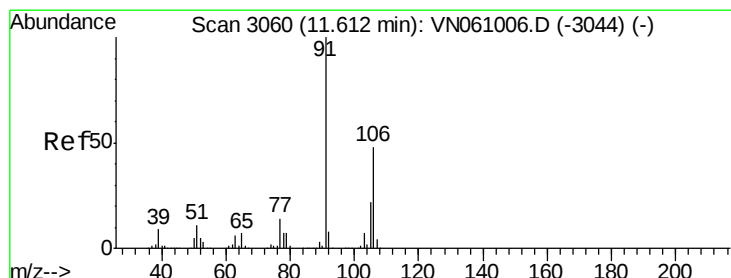
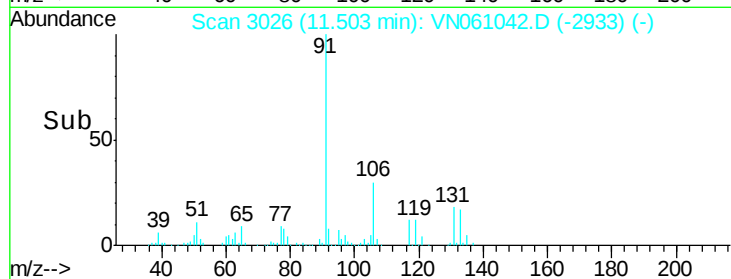
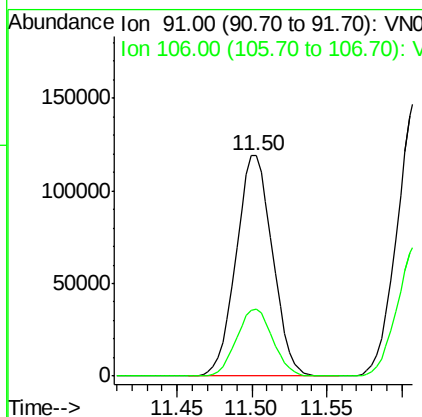
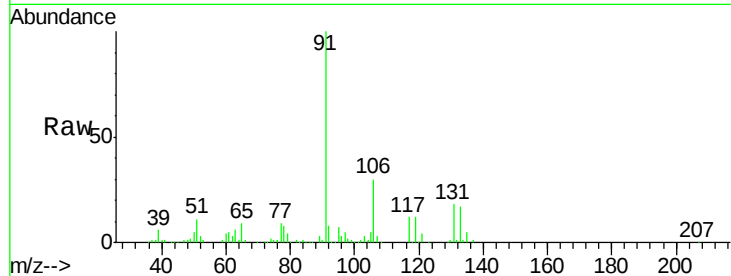
#67
Ethyl Benzene
Concen: 19.762 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBS01

Tot Ion	91	Resp	201100
Ion Ratio	100	Lower	Upper
106	30.4	23.8	35.8

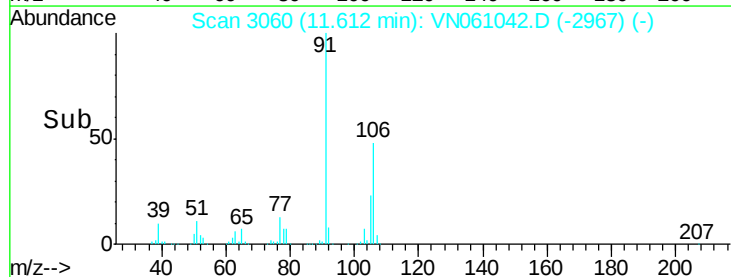
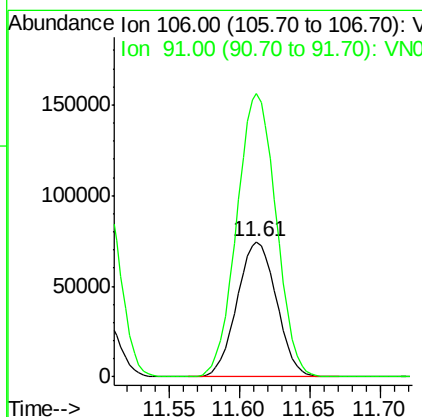
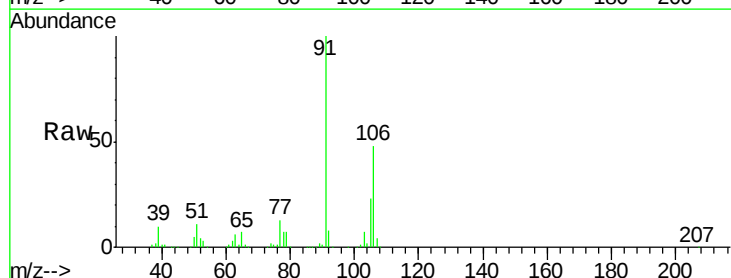
Manual Integrations
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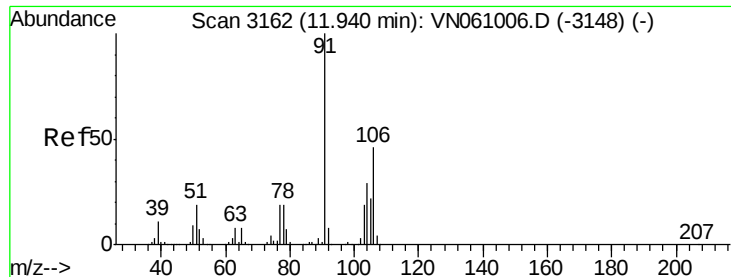
MMDadoda
4/20/2020 10:20:16 AM



#68
m/p-Xylenes
Concen: 39.630 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	106	Resp	145746
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	209.7	167.9	251.9





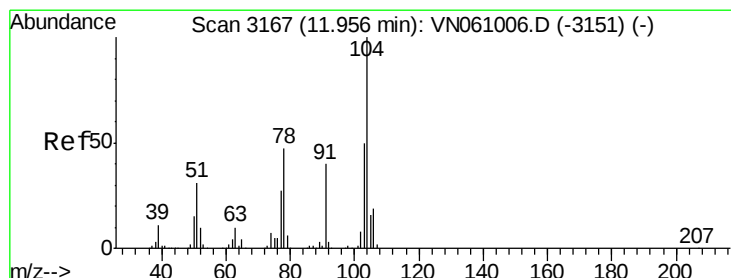
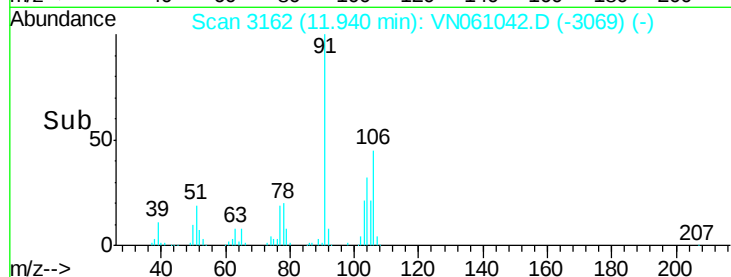
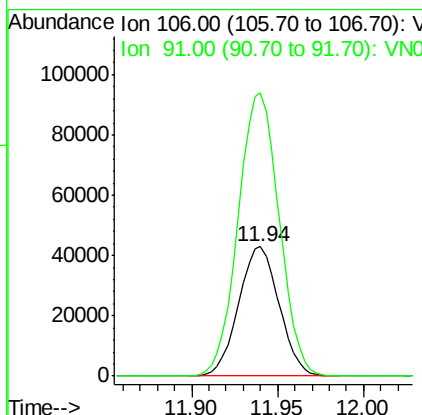
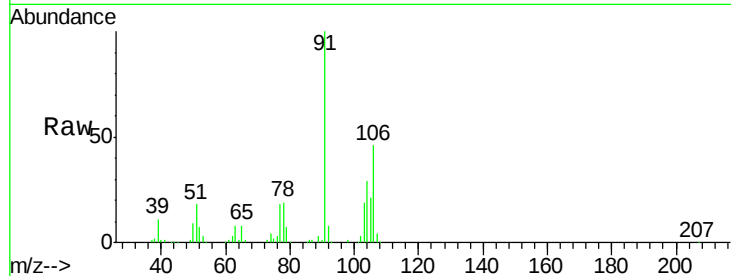
#69
o-Xylene
Concen: 19.918 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion:106 Resp: 70431
Ion Ratio Lower Upper
106 100
91 221.7 110.7 332.1

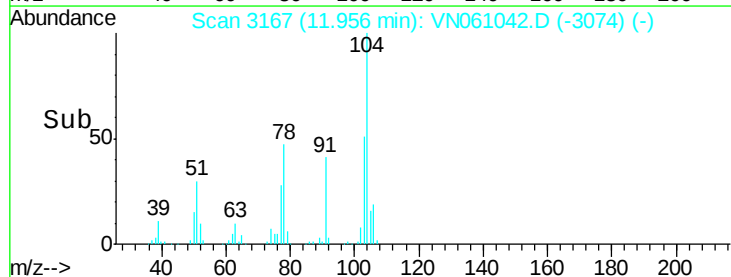
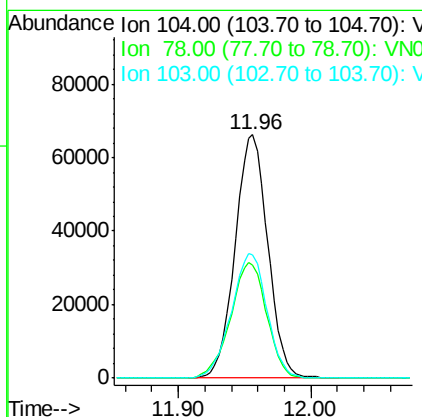
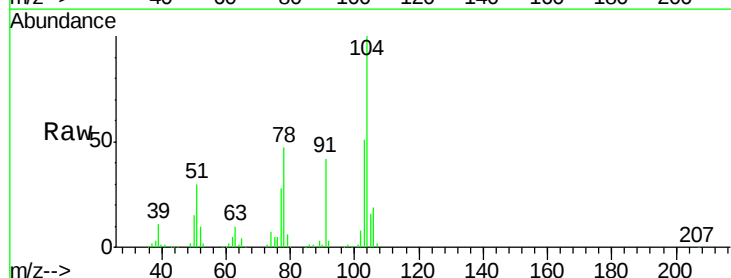
Manual Integrations
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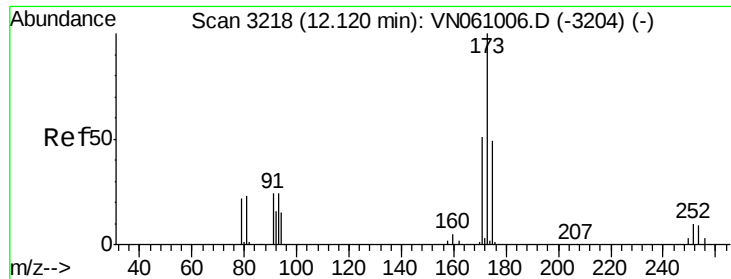
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#70
Styrene
Concen: 19.913 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion:104 Resp: 113356
Ion Ratio Lower Upper
104 100
78 52.4 42.2 63.4
103 55.6 44.4 66.6





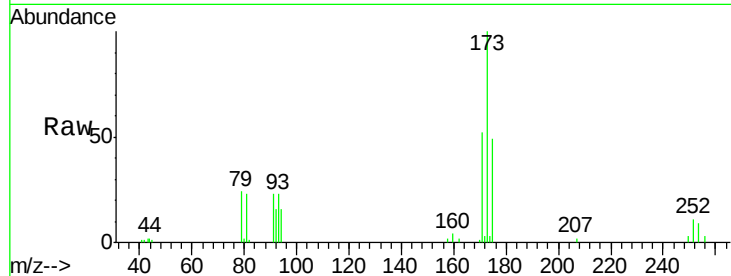
#71
Bromoform
Concen: 19.498 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

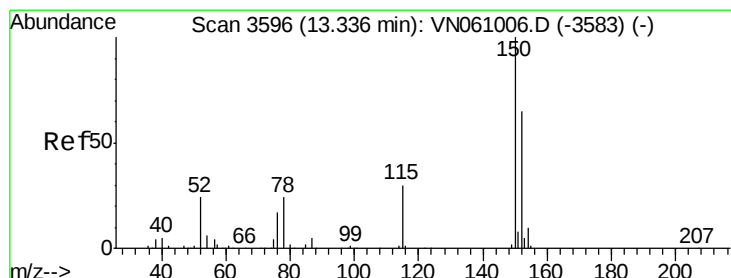
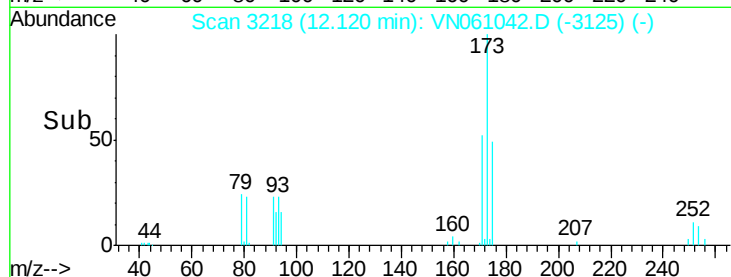
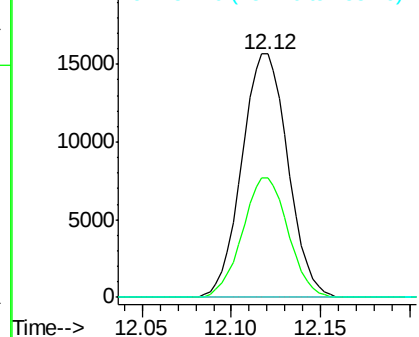
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.0	0.0	0.0

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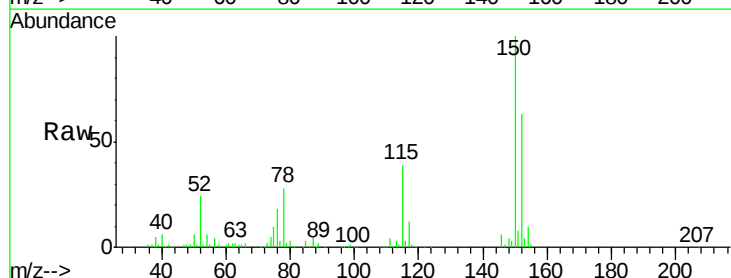


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

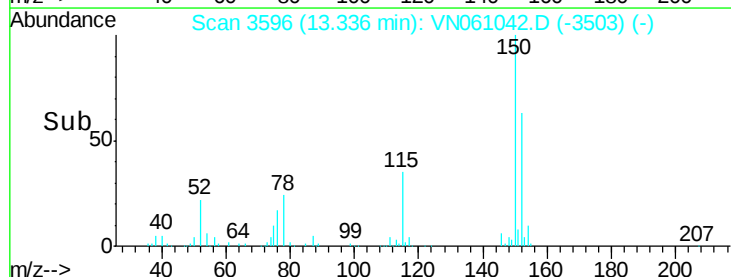
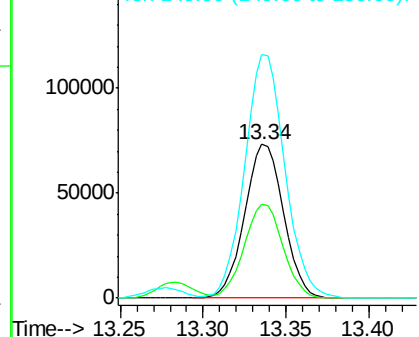


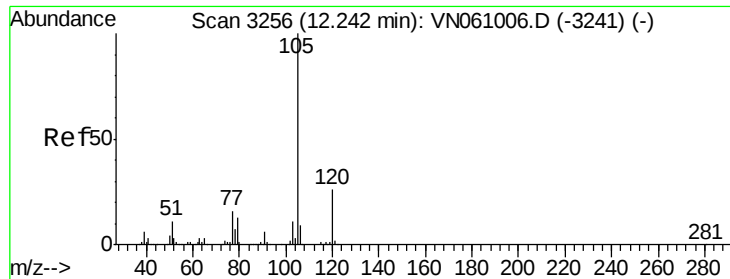
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.8	92.4
150	163.9	0.0	349.0



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: 19.873 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 105 Resp: 190164

Ion Ratio Lower Upper

105 100

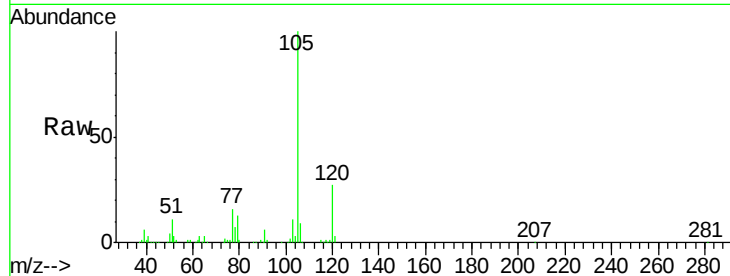
120 26.4 13.0 38.9

Manual Integrations

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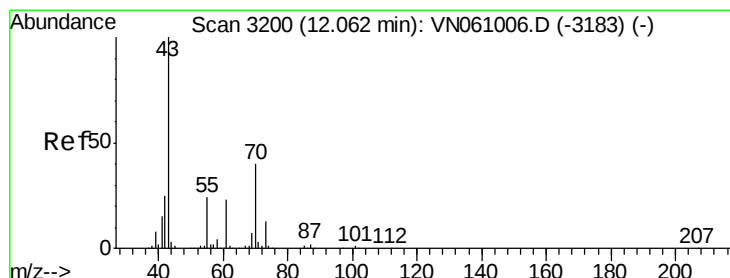
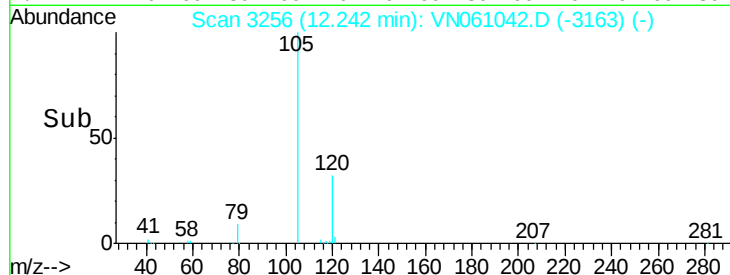
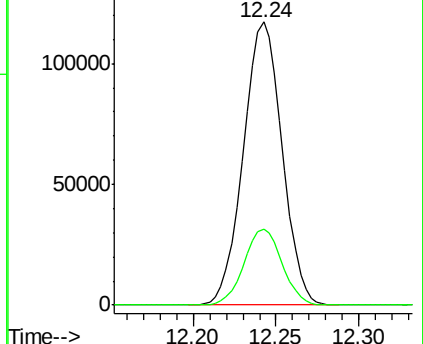
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.484 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Tgt Ion: 43 Resp: 82251

Ion Ratio Lower Upper

43 100

70 38.0 31.0 46.6

55 23.6 18.6 27.8

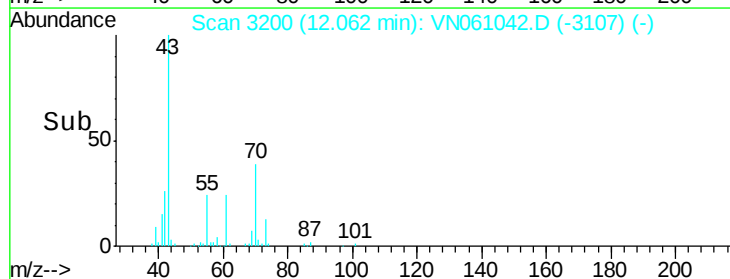
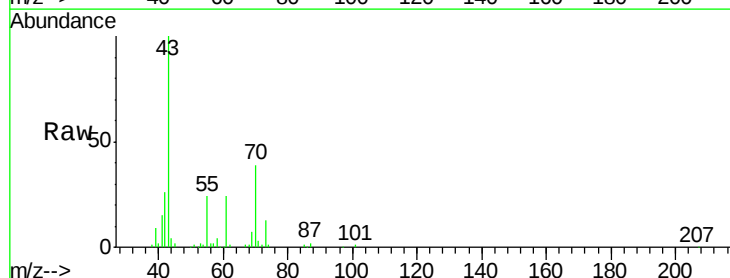
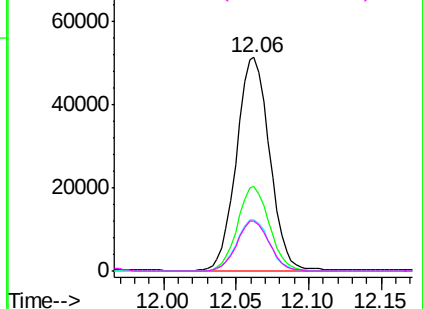
61 22.9 18.2 27.4

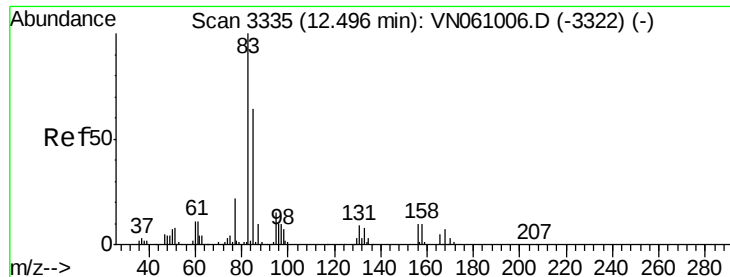
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.038 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

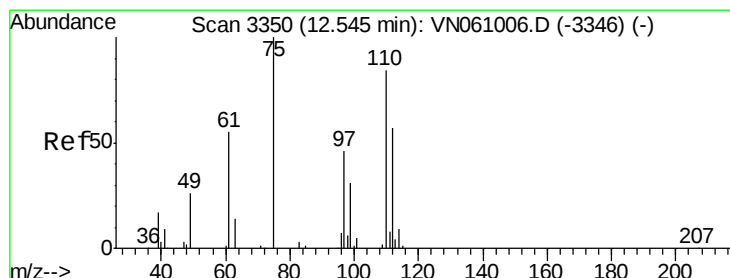
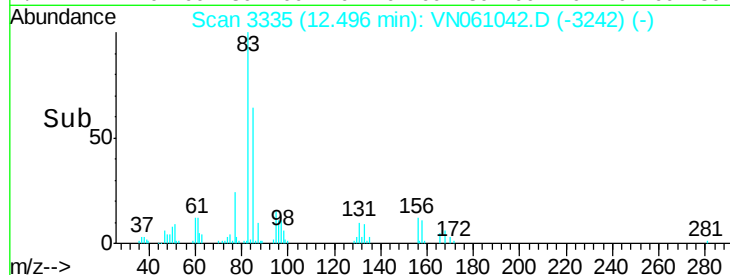
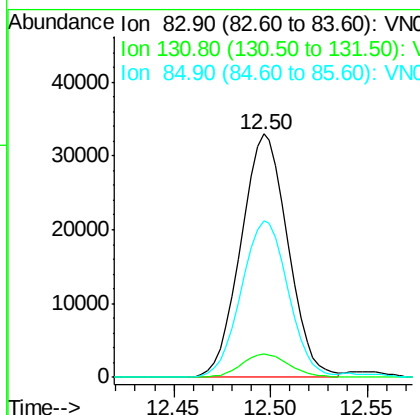
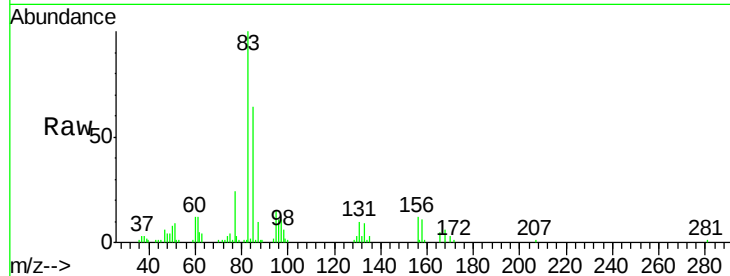
ClientSampleId :

VN0417WBS01

Tot Ion:	83	Resp:	55609
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	64.6	32.3	96.8

Manual Integrations
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4/20/2020 10:20:16 AM



#76

1,2,3-Trichloropropane

Concen: 18.569 ug/l m

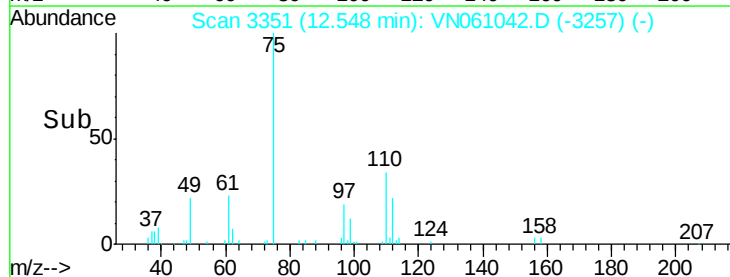
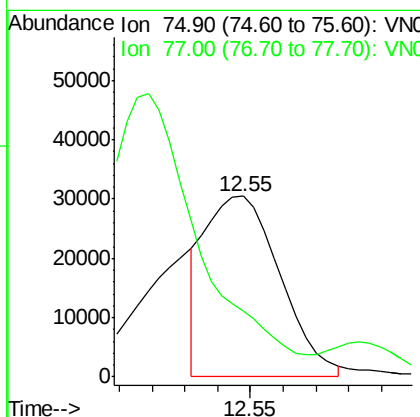
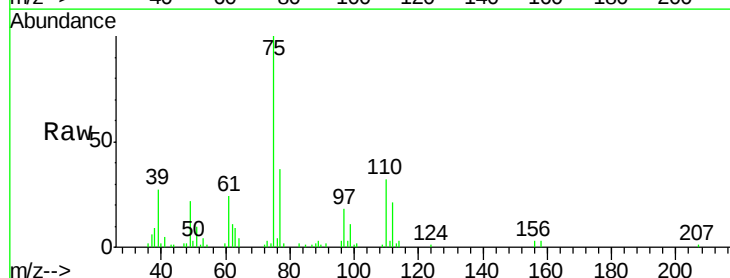
RT: 12.55 min Scan# 3351

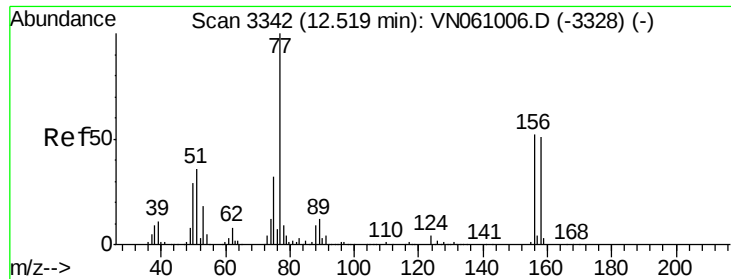
Delta R.T. 0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Tgt Ion:	75	Resp:	48785
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





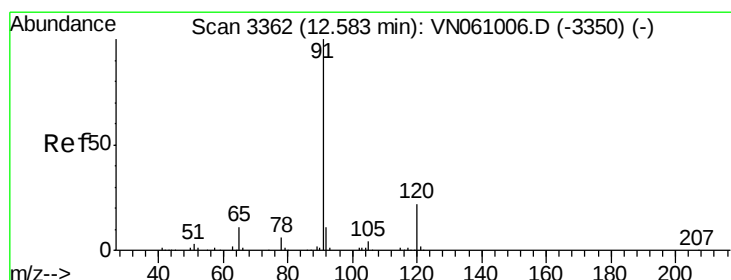
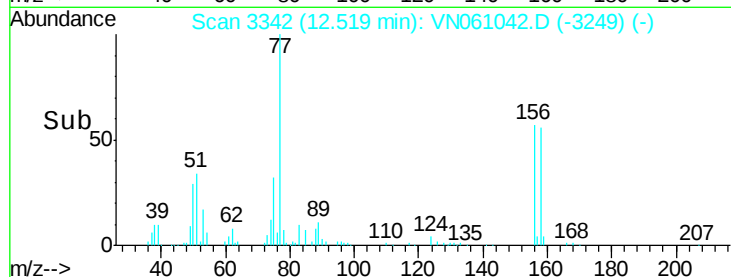
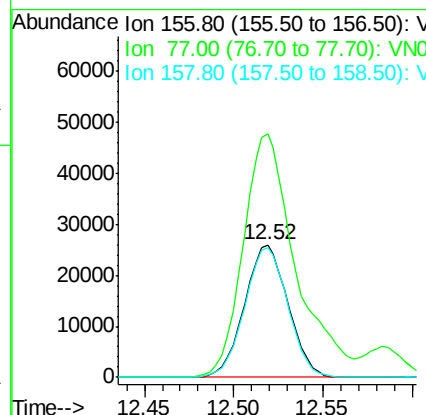
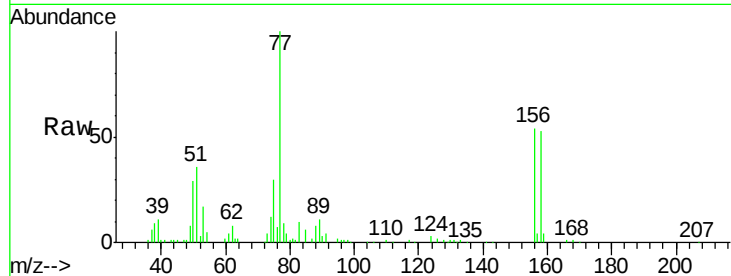
#77
Bromobenzene
Concen: 19.774 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	221.4	115.6	346.8	
158	97.5	48.9	146.6	

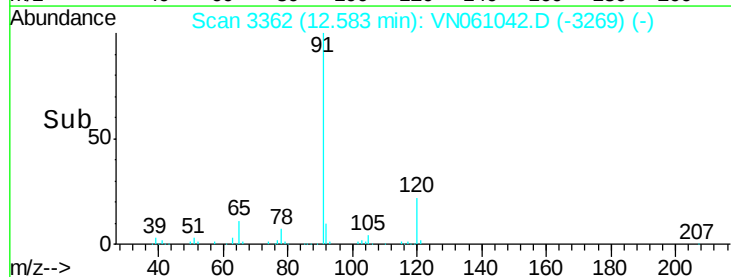
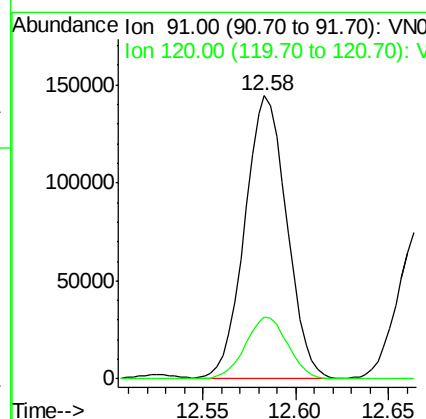
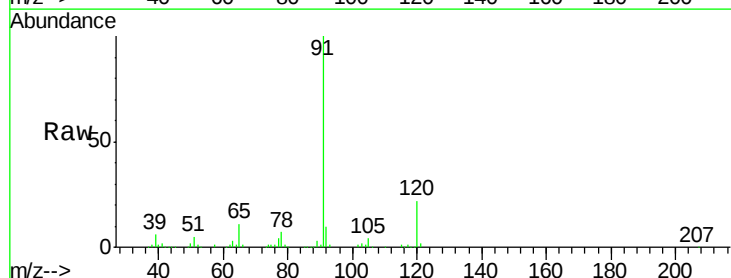
Manual Integrations
APPROVED

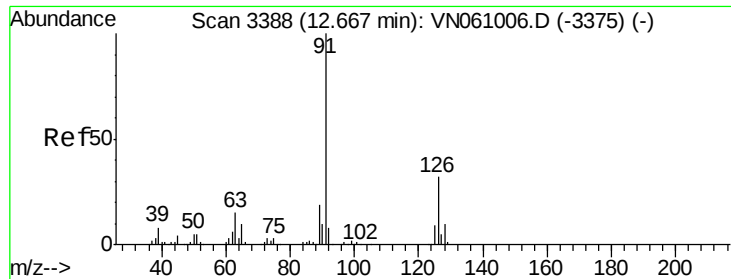
MMDadoda
4/20/2020 10:20:16 AM



#78
n-propylbenzene
Concen: 20.245 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	10.9	32.7	





#79

2-Chlorotoluene

Concen: 20.032 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion: 91 Resp: 131531

Ion Ratio Lower Upper

91 100

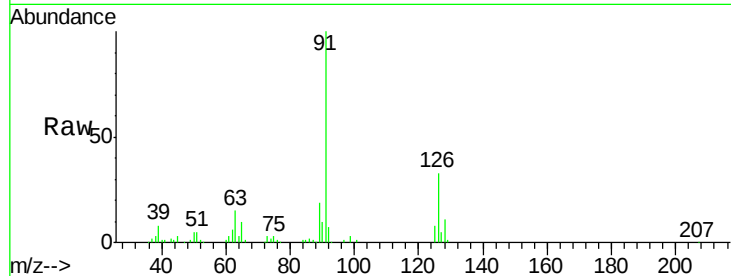
126 32.7 16.1 48.2

Manual Integrations

APPROVED

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4/20/2020 10:20:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 125.90 (125.60 to 126.60): V

150000

100000

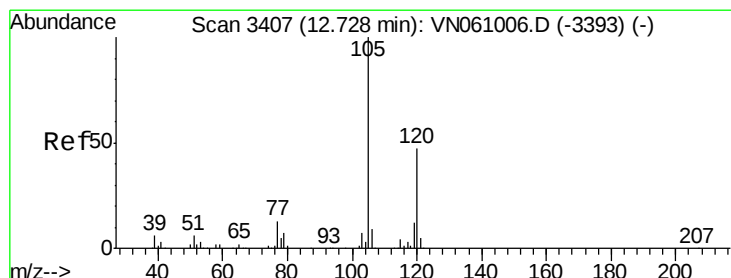
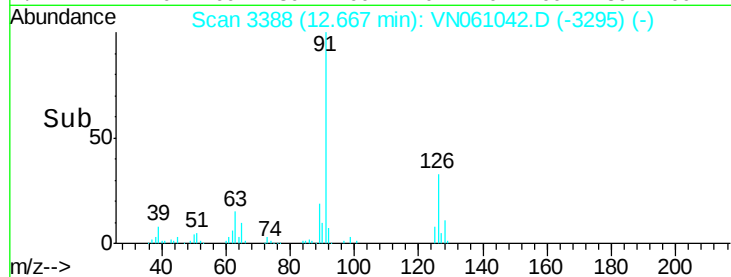
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.246 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN061042.D

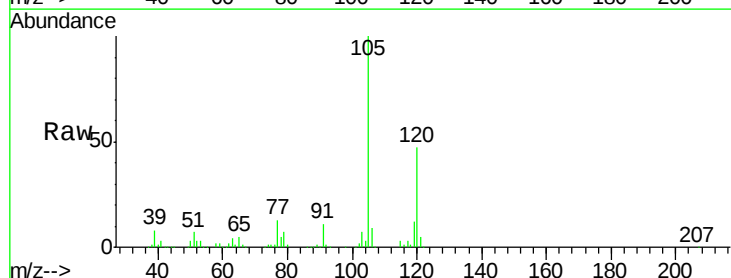
Acq: 17 Apr 2020 11:57

Tgt Ion:105 Resp: 160132

Ion Ratio Lower Upper

105 100

120 47.4 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

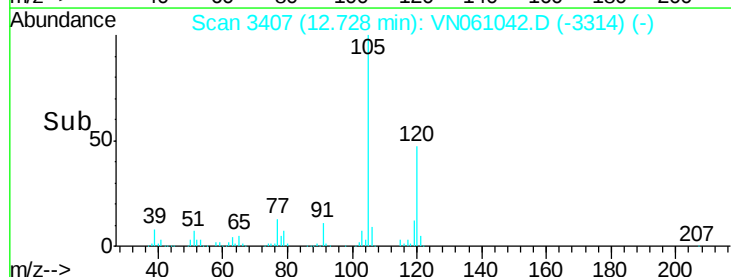
20000

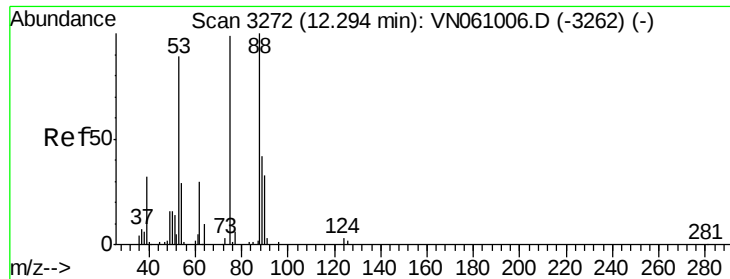
0

12.65 12.70 12.75 12.80

12.73

Time-->





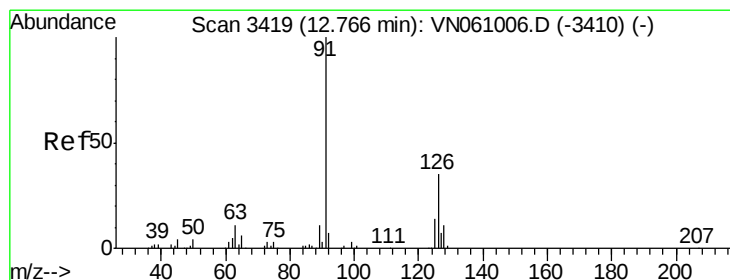
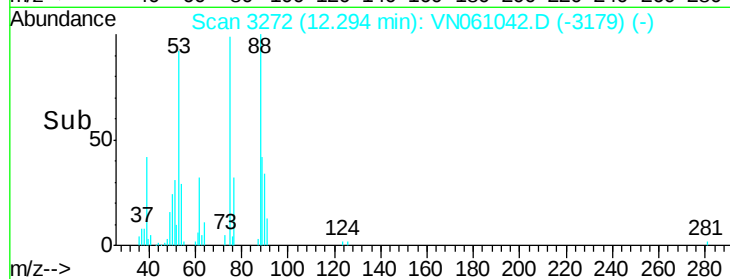
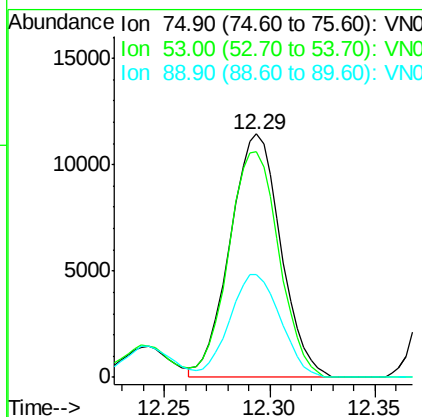
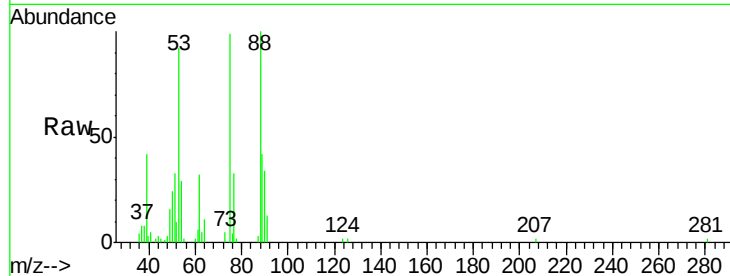
#81
trans-1,4-Dichloro-2-butene
Concen: 17.992 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	74.7	112.1
89	42.3	34.6	52.0

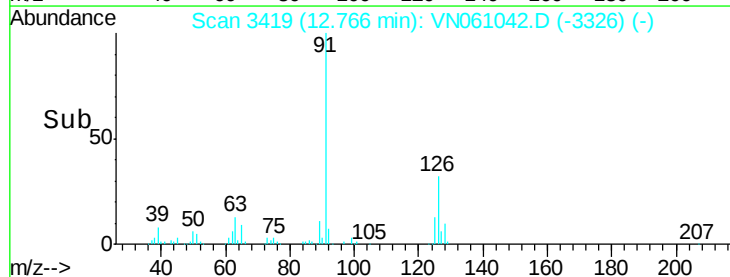
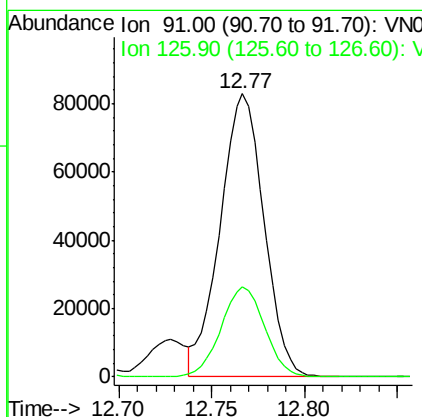
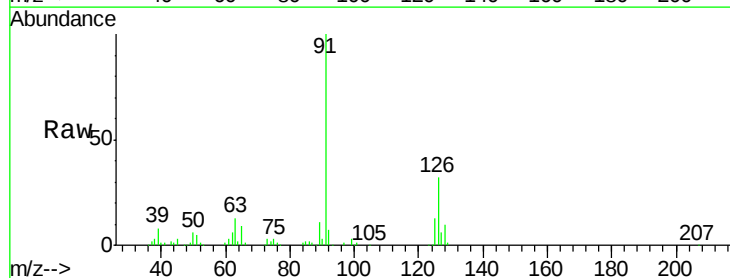
Manual Integrations
APPROVED

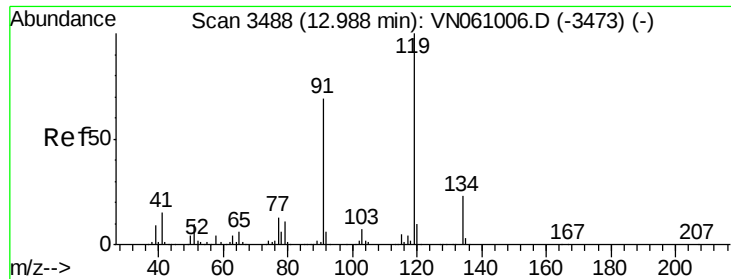
MMDadoda
4/20/2020 10:20:16 AM



#82
4-Chlorotoluene
Concen: 19.937 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.6





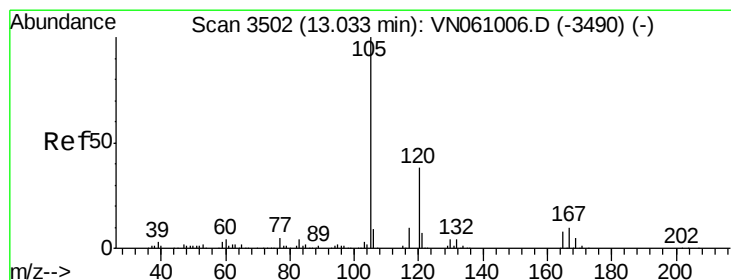
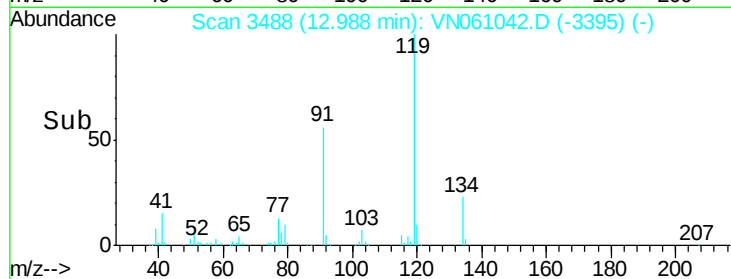
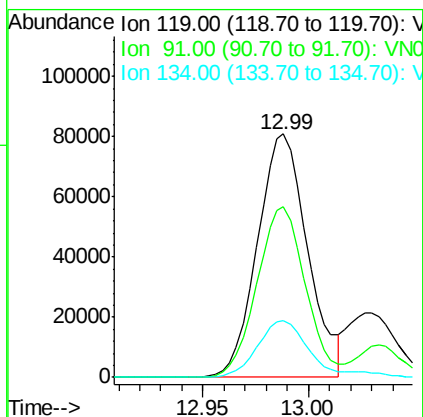
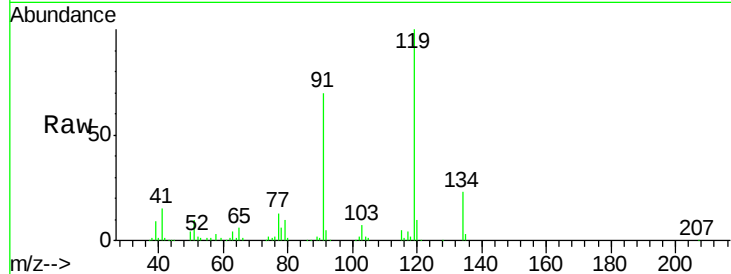
#83
tert-Butylbenzene
Concen: 20.086 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	133604		
91	68.1	34.1	102.3	
134	24.8	12.4	37.2	

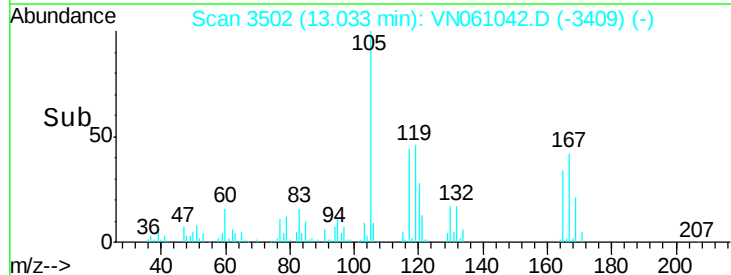
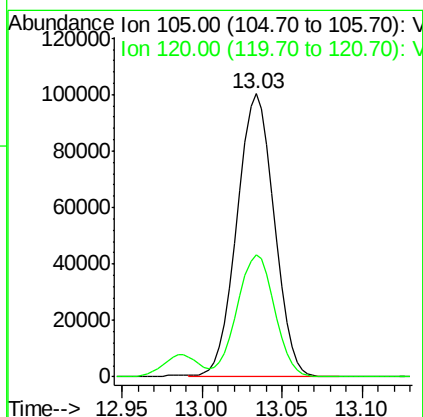
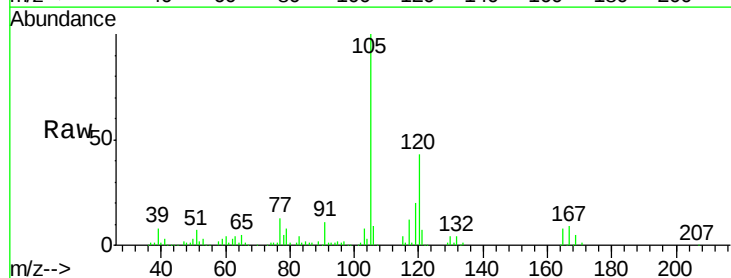
Manual Integrations
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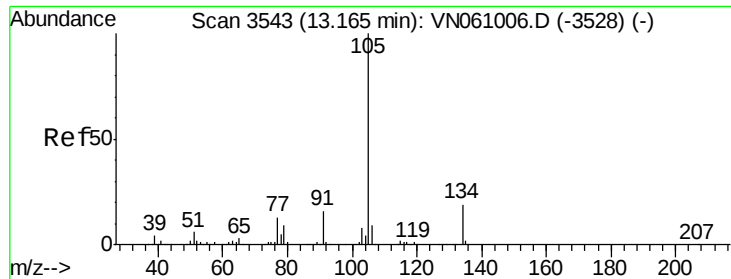
MMDadoda
4/20/2020 10:20:16 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.388 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	159397		
120	43.5	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.977 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS01

Tot Ion:105 Resp: 180041

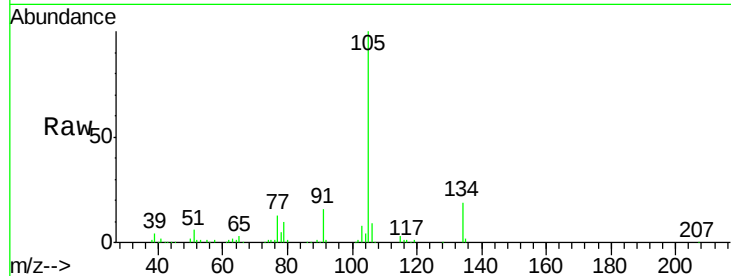
Ion Ratio Lower Upper

105 100

134 19.3 9.5 28.5

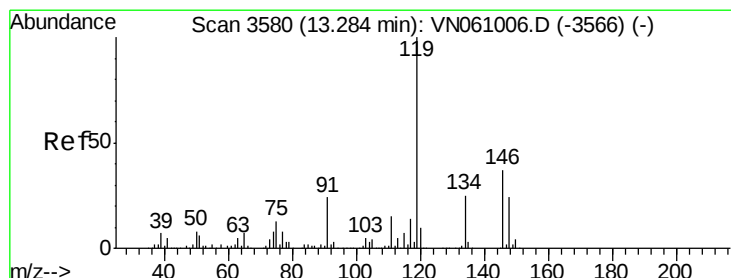
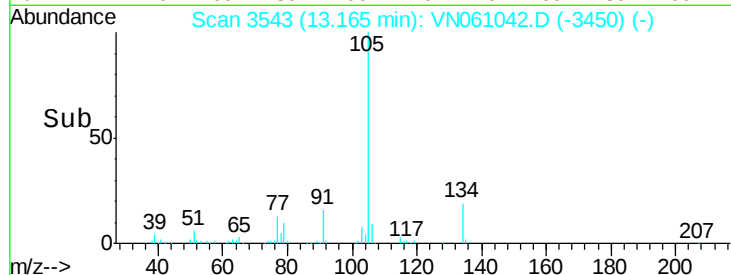
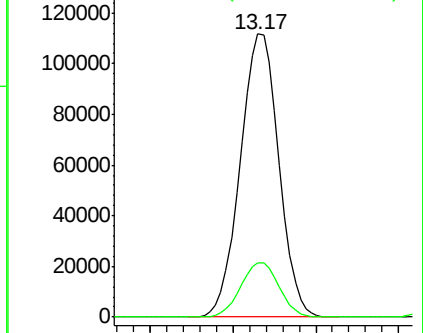
Manual Integrations
APPROVED

MMDadoda
4/20/2020 10:20:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.121 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

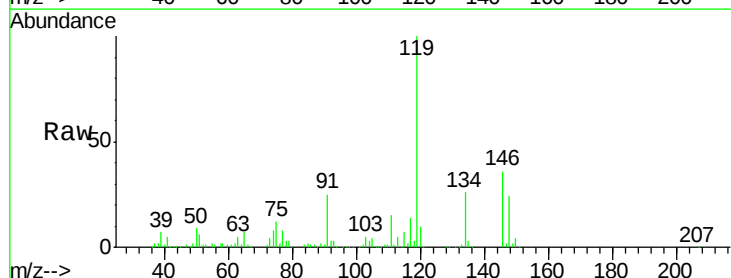
Tgt Ion:119 Resp: 161482

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

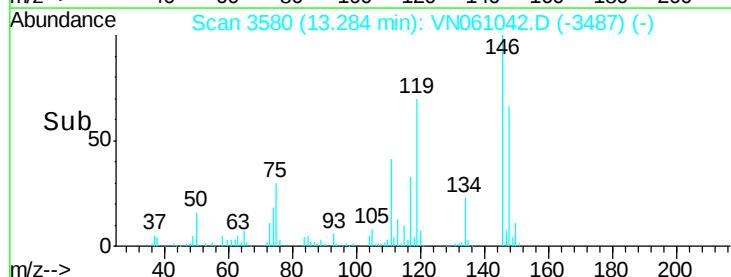
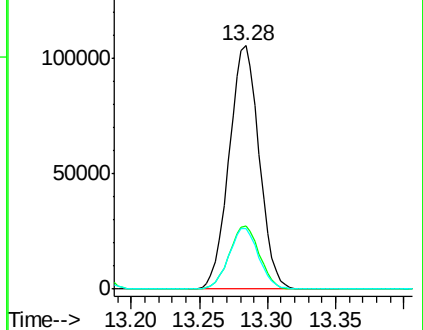
91 24.7 12.3 36.8

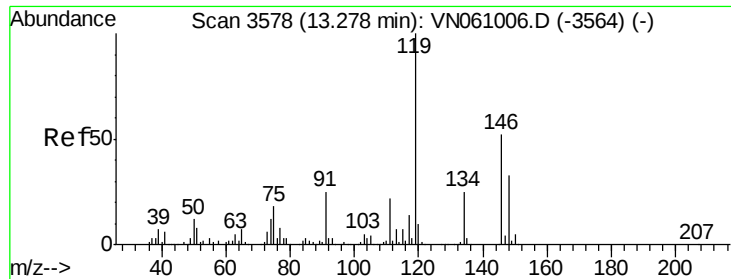


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





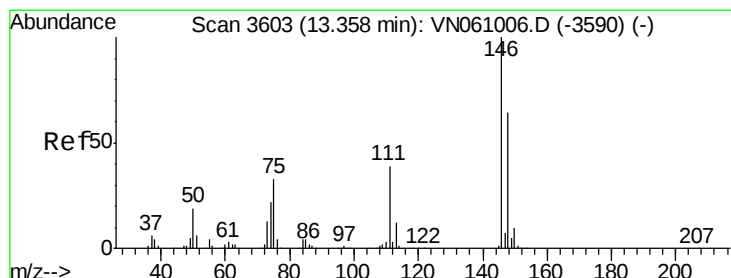
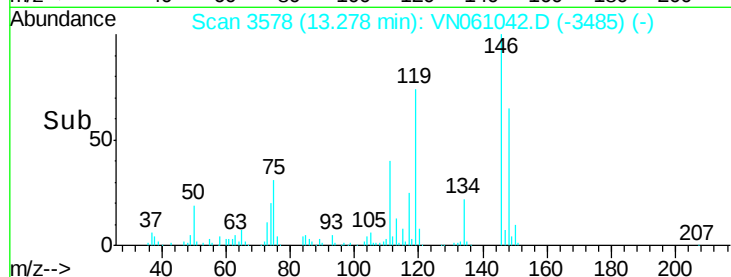
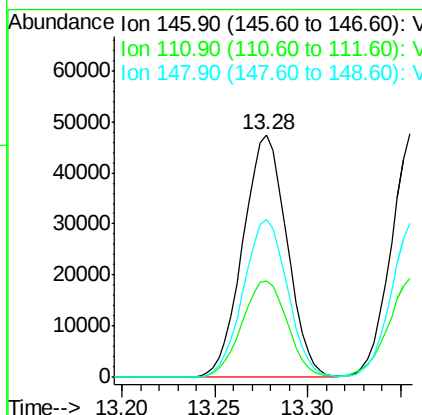
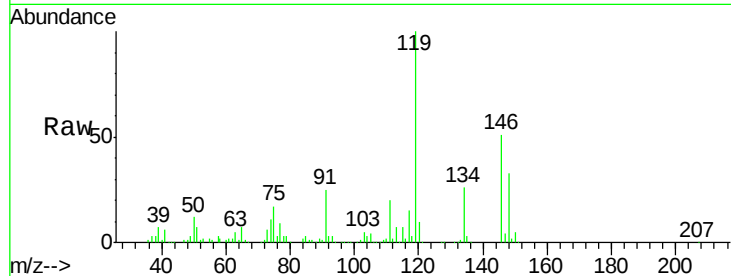
#87
 1,3-Dichlorobenzene
 Concen: 19.674 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.8
148	65.0	31.8	95.3

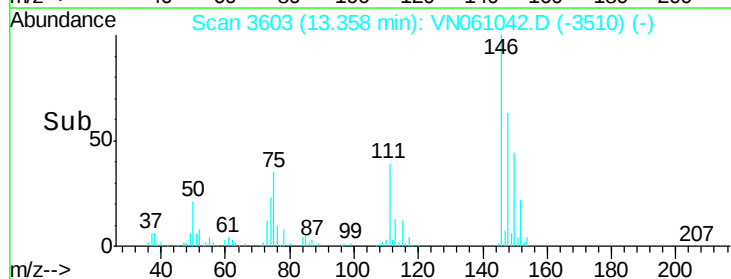
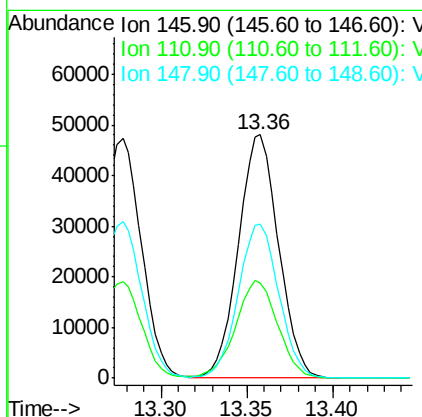
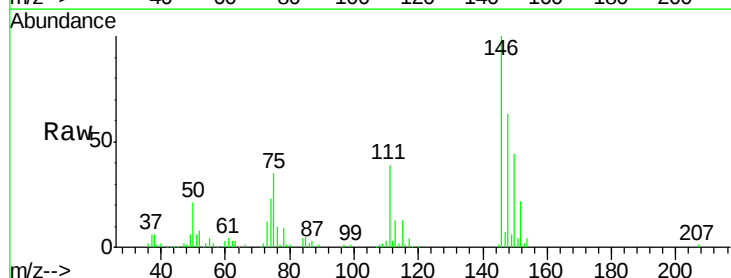
Manual Integrations
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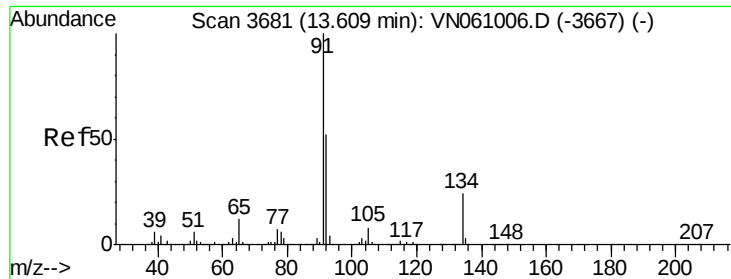
MMDadoda
 4/20/2020 10:20:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.541 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.1	60.3
148	63.9	32.1	96.3





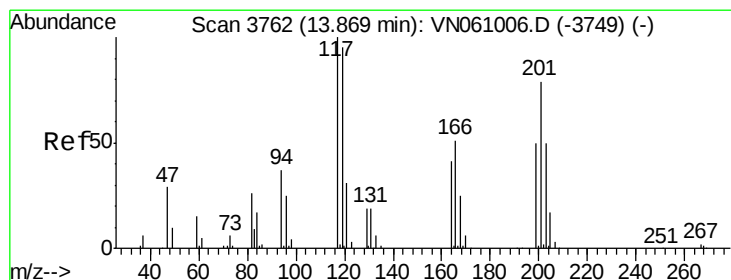
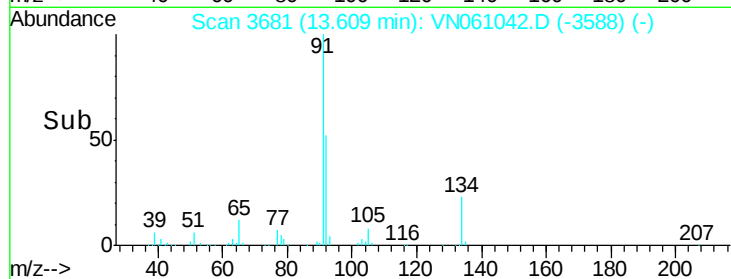
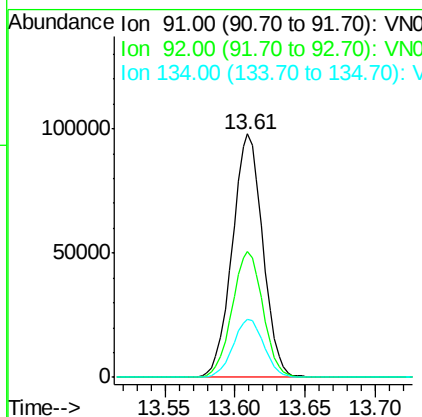
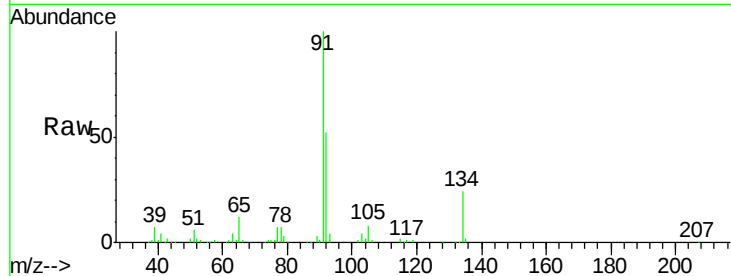
#89
n-Butylbenzene
Concen: 19.853 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	24.1	12.3	36.8

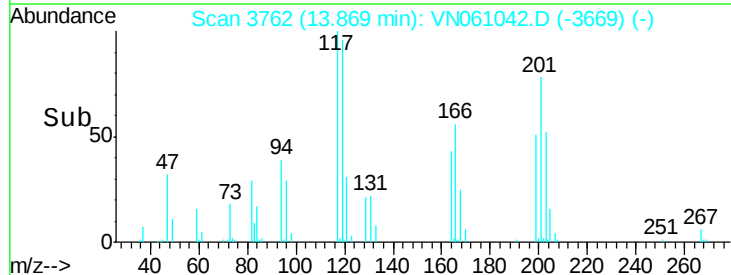
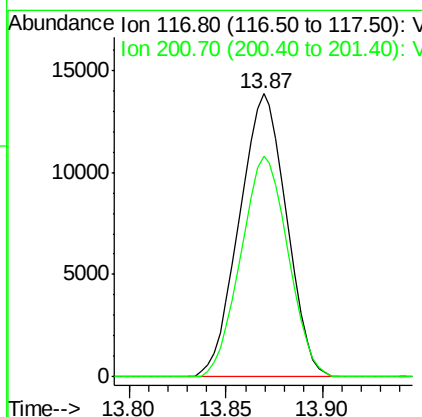
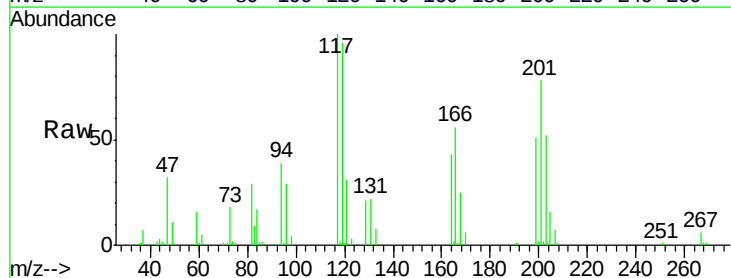
Manual Integrations
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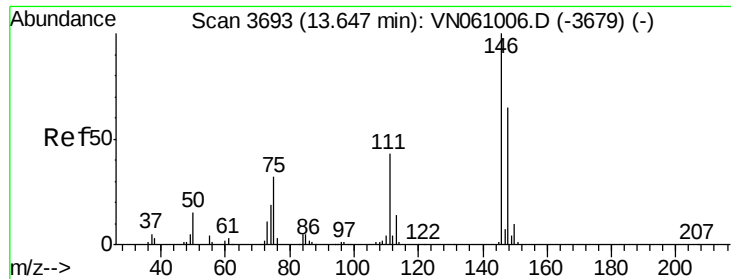
MMDadoda
4/20/2020 10:20:16 AM



#90
Hexachloroethane
Concen: 19.065 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN061042.D
Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.8	39.3	117.9





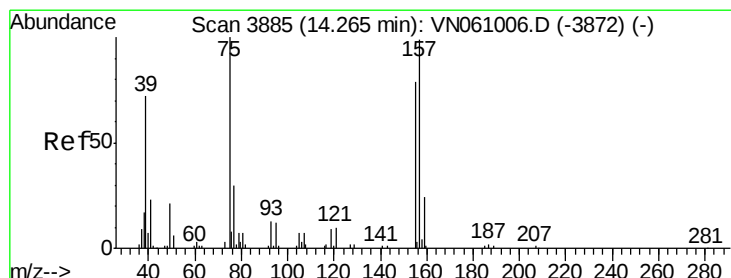
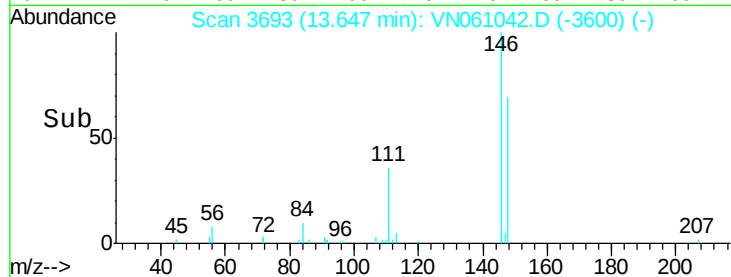
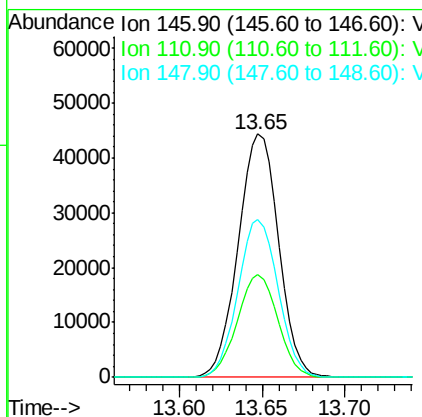
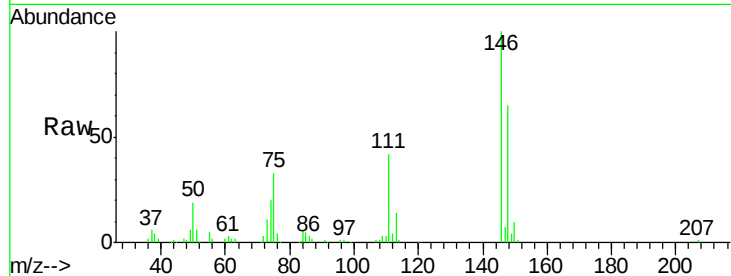
#91
 1,2-Dichlorobenzene
 Concen: 19.822 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	64.5	32.0	96.0

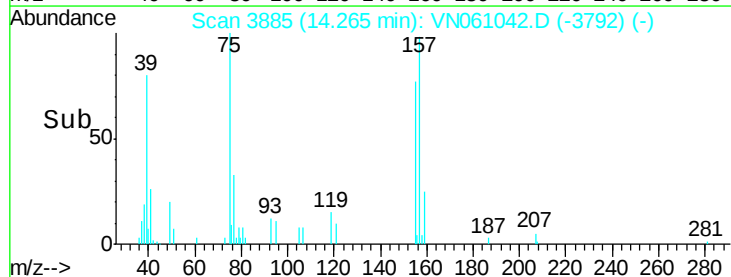
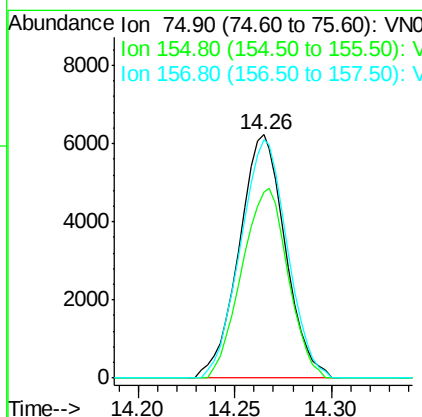
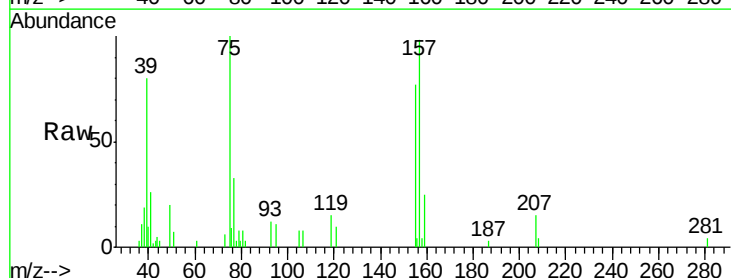
Manual Integrations
 APPROVED

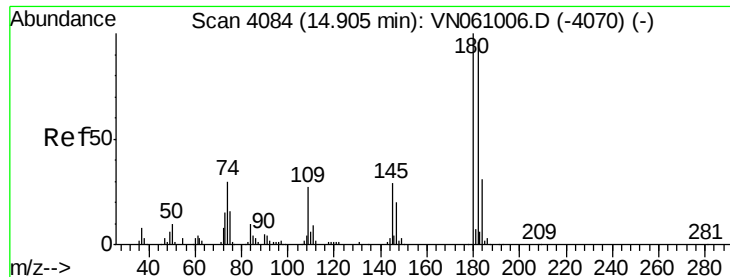
MMDadoda
 4/20/2020 10:20:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.256 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	39.5	118.5
157	99.6	50.1	150.4





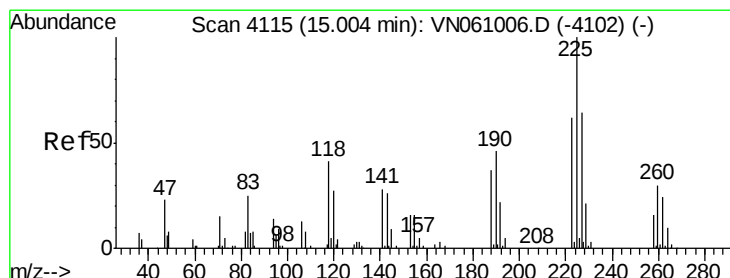
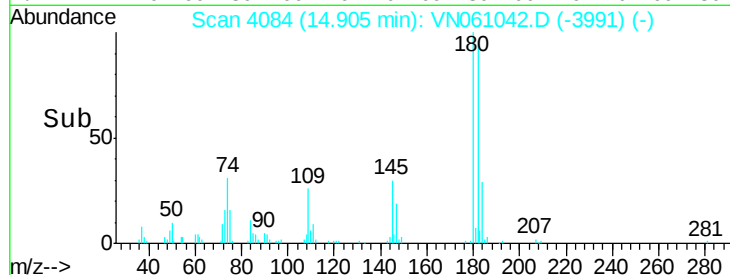
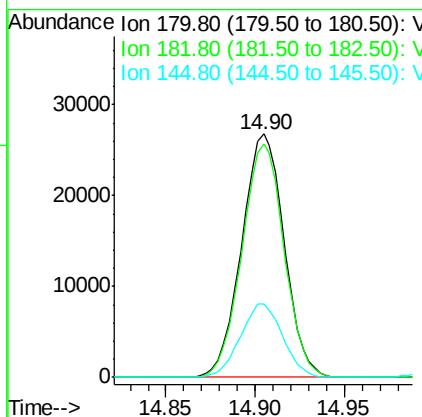
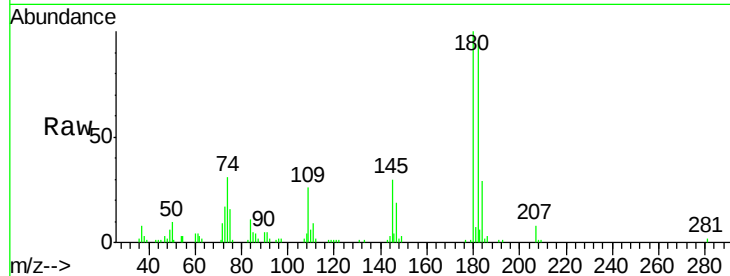
#93
 1,2,4-Trichlorobenzene
 Concen: 19.807 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	30.1	15.3	45.8

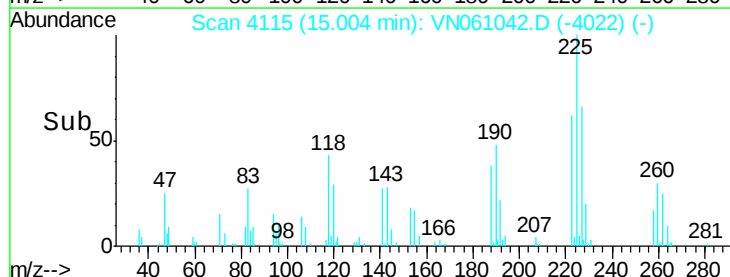
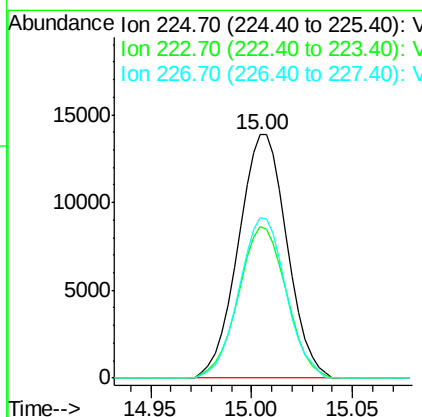
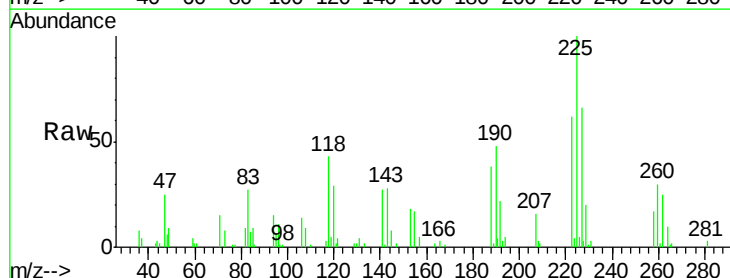
Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:20:16 AM



#94
 Hexachlorobutadiene
 Concen: 20.221 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN061042.D
 Acq: 17 Apr 2020 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.3	93.8
227	63.3	31.9	95.5





#95

Naphthalene

Concen: 18.683 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Instrument :

MSVOA_N

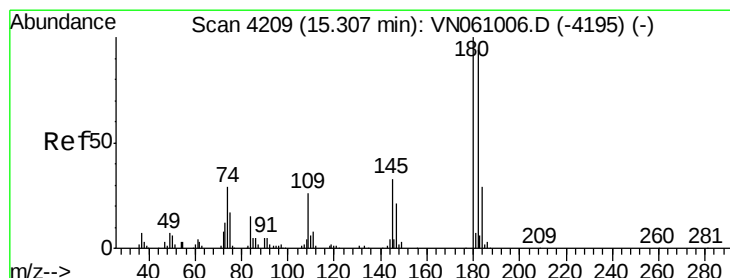
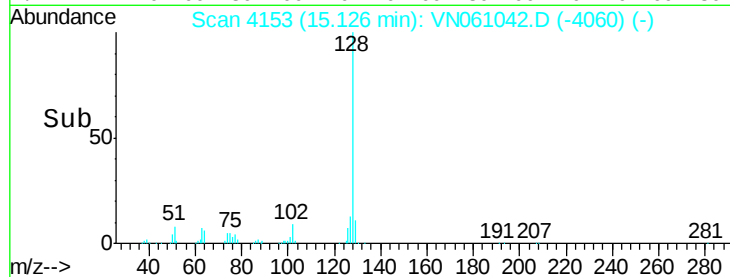
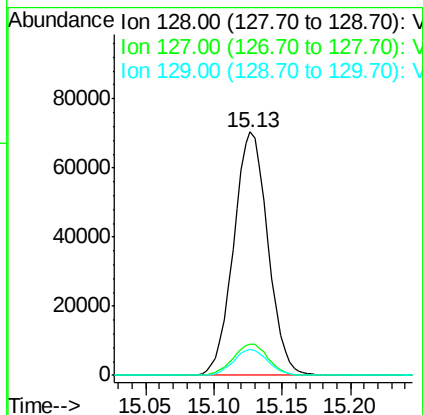
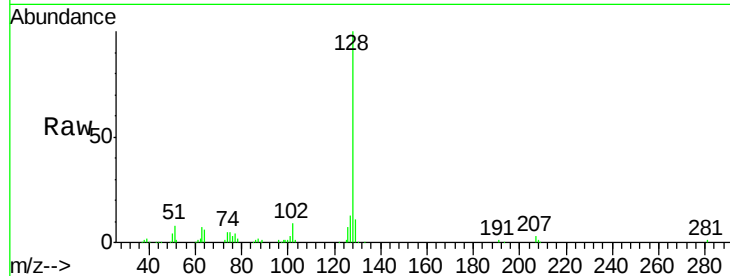
ClientSampleId :

VN0417WBS01

Tot Ion:	128	Resp:	122554
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/20/2020 10:20:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.853 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.00 min

Lab File: VN061042.D

Acq: 17 Apr 2020 11:57

Tgt Ion:	180	Resp:	43033
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.6	142.8
145	31.7	16.4	49.2

