

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060927.D
 Acq On : 14 Apr 2020 12:52
 Operator : JC/MD
 Sample : VN0414WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/15/2020 1:49:56 PM

Quant Time: Apr 15 08:51:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	143753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	236421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	215378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	100857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108466	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
35) Dibromofluoromethane	7.56	113	81834	57.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.48%	
50) Toluene-d8	10.08	98	321623	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
62) 4-Bromofluorobenzene	12.39	95	119052	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	28131	20.224	ug/l	98
3) Chloromethane	2.04	50	51548	19.843	ug/l	99
4) Vinyl Chloride	2.17	62	41645	20.496	ug/l	99
5) Bromomethane	2.55	94	20729	23.633	ug/l	100
6) Chloroethane	2.69	64	25705	21.961	ug/l	97
7) Trichlorofluoromethane	3.00	101	55777	22.284	ug/l	97
8) Diethyl Ether	3.38	74	24117	23.985	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34443	23.748	ug/l	99
10) Methyl Iodide	3.92	142	26621	20.627	ug/l	99
11) Tert butyl alcohol	4.72	59	33355	114.928	ug/l	98
12) 1,1-Dichloroethene	3.72	96	34643	22.258	ug/l	98
13) Acrolein	3.58	56	29797	92.636	ug/l	99
14) Allyl chloride	4.29	41	65136	23.795	ug/l	97
15) Acrylonitrile	4.94	53	102700	120.338	ug/l	100
16) Acetone	3.78	43	101802	145.635	ug/l	98
17) Carbon Disulfide	4.03	76	92679	19.580	ug/l	100
18) Methyl Acetate	4.29	43	50670	25.753	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	127553	23.837	ug/l	95
20) Methylene Chloride	4.52	84	39846	23.172	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	36920	22.257	ug/l	96
22) Diisopropyl ether	5.91	45	148171	25.621	ug/l	99
23) Vinyl Acetate	5.86	43	591971	125.454	ug/l	99
24) 1,1-Dichloroethane	5.82	63	76775	24.352	ug/l	99
25) 2-Butanone	6.80	43	142255	125.763	ug/l	98
26) 2,2-Dichloropropane	6.79	77	65452	26.386	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44052	23.370	ug/l	97
28) Bromochloromethane	7.17	49	40427	26.801	ug/l	96
29) Tetrahydrofuran	7.18	42	94566	118.160	ug/l	97
30) Chloroform	7.35	83	72591	24.018	ug/l	100
31) Cyclohexane	7.63	56	70842	22.289	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	61161	23.474	ug/l	97
36) 1,1-Dichloropropene	7.77	75	55066	24.054	ug/l	99
37) Ethyl Acetate	6.89	43	58606	23.692	ug/l	99
38) Carbon Tetrachloride	7.75	117	46949	22.882	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64517	23.715	ug/l	97
40) Benzene	8.02	78	165599	23.962	ug/l	99
41) Methacrylonitrile	7.14	41	26526m	25.127	ug/l	
42) 1,2-Dichloroethane	8.10	62	57338	24.277	ug/l	99
43) Isopropyl Acetate	8.14	43	101025	24.764	ug/l	99
44) Trichloroethene	8.81	130	41348	23.734	ug/l	98
45) 1,2-Dichloropropane	9.10	63	46607	25.559	ug/l	96
46) Dibromomethane	9.19	93	26832	24.339	ug/l	99
47) Bromodichloromethane	9.38	83	56504	24.665	ug/l	98
48) Methyl methacrylate	9.18	41	43420	23.906	ug/l	98
49) 1,4-Dioxane	9.18	88	10616	491.734	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	292676	126.077	ug/l	98
52) Toluene	10.14	92	99493	23.838	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	66868	25.411	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	71276	24.690	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	39486	24.592	ug/l	98
56) Ethyl methacrylate	10.42	69	61816	24.691	ug/l	98
57) 1,3-Dichloropropane	10.70	76	68189	24.473	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	118546	95.270	ug/l	98
59) 2-Hexanone	10.74	43	210475	125.865	ug/l	99
60) Dibromochloromethane	10.89	129	40489	24.412	ug/l	100
61) 1,2-Dibromoethane	10.99	107	38562	23.884	ug/l	100
64) Tetrachloroethene	10.62	164	37111	21.896	ug/l	99
65) Chlorobenzene	11.42	112	101561	23.787	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	37759	24.425	ug/l	99
67) Ethyl Benzene	11.50	91	191258	24.088	ug/l	99
68) m/p-Xylenes	11.61	106	139015	47.115	ug/l	97
69) o-Xylene	11.94	106	68025	24.151	ug/l	99
70) Styrene	11.96	104	109614	23.795	ug/l	99
71) Bromoform	12.12	173	27928	22.686	ug/l #	99
73) Isopropylbenzene	12.24	105	184294	24.349	ug/l	99
74) N-amyl acetate	12.06	43	82814	23.678	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57074	24.935	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	45587m	20.947	ug/l	
77) Bromobenzene	12.52	156	42069	23.066	ug/l	96
78) n-propylbenzene	12.58	91	215744	24.126	ug/l	98
79) 2-Chlorotoluene	12.67	91	126216	23.623	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	154475	24.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19599	23.129	ug/l	98
82) 4-Chlorotoluene	12.77	91	131845	24.228	ug/l	98
83) tert-Butylbenzene	12.99	119	131463	24.690	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	154042	24.241	ug/l	99
85) sec-Butylbenzene	13.17	105	177952	24.853	ug/l	99
86) p-Isopropyltoluene	13.28	119	159539	24.779	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	75647	23.517	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	76088	23.543	ug/l	99
89) n-Butylbenzene	13.61	91	147221	25.326	ug/l	99
90) Hexachloroethane	13.87	117	24926	26.633	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	74246	24.139	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10524	21.801	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	45187	23.923	ug/l	98
94) Hexachlorobutadiene	15.01	225	24610	26.578	ug/l	99
95) Naphthalene	15.13	128	126375	22.244	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43796	23.540	ug/l	98

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

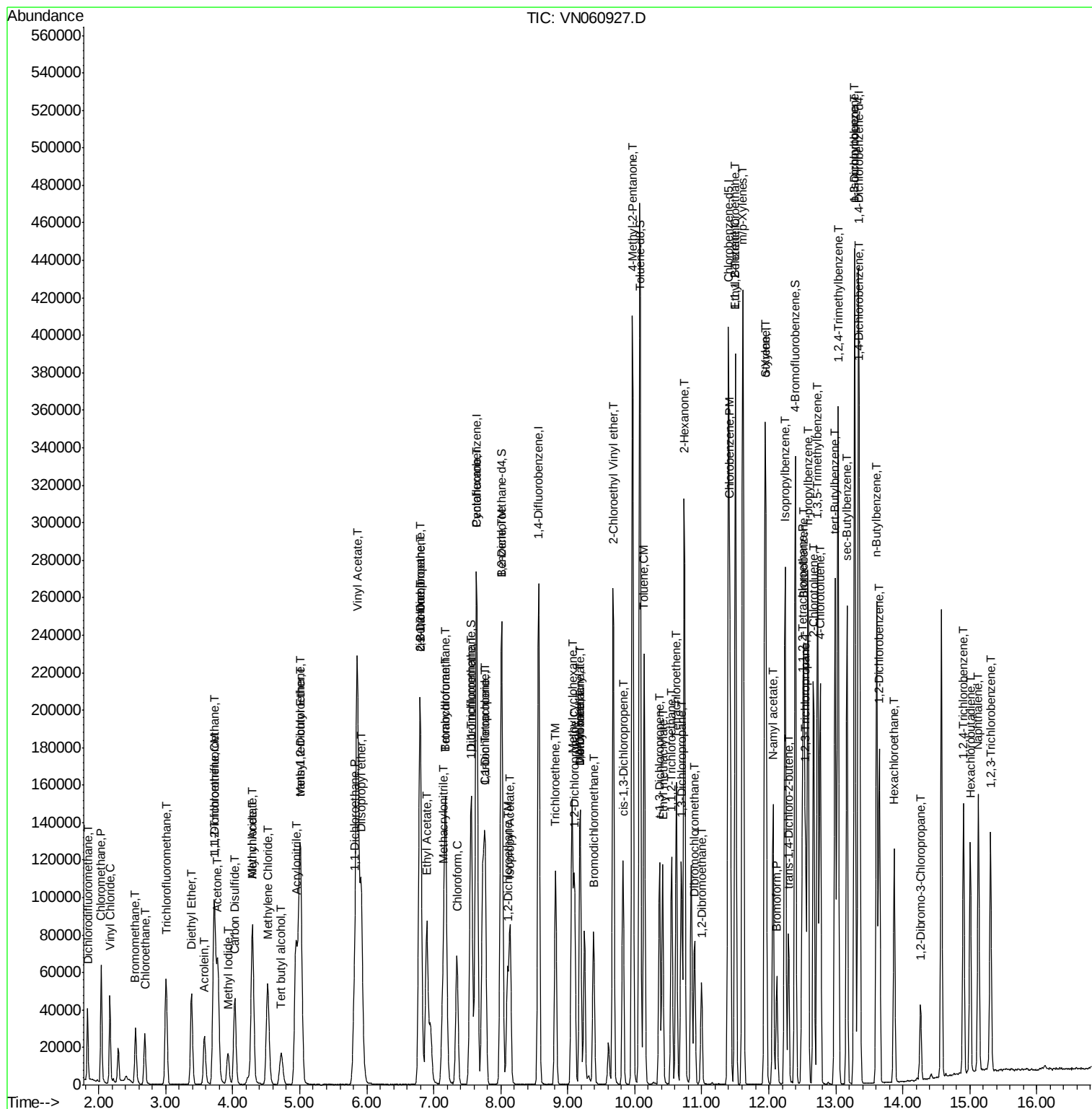
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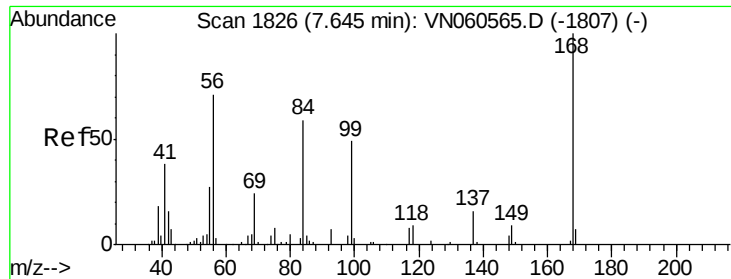
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion:168 Resp: 143753

Ion Ratio Lower Upper

168 100

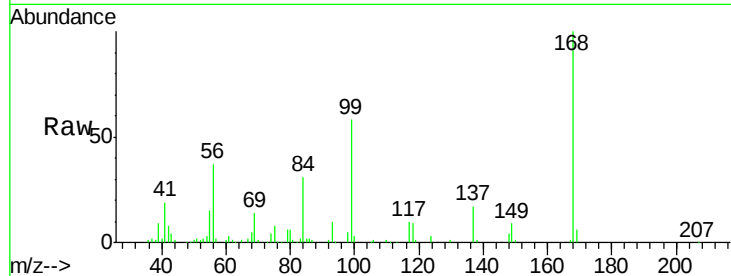
99 58.0 44.0 66.0

Manual Integrations

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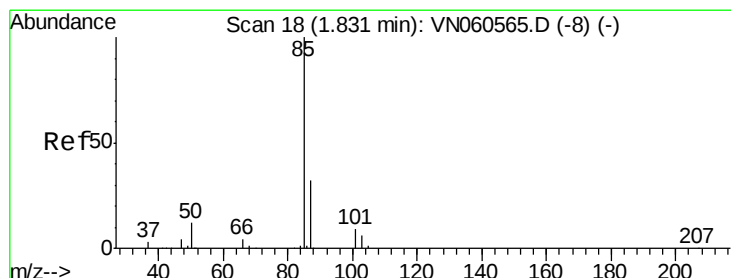
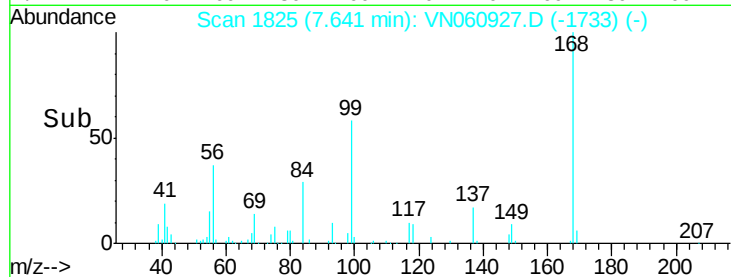
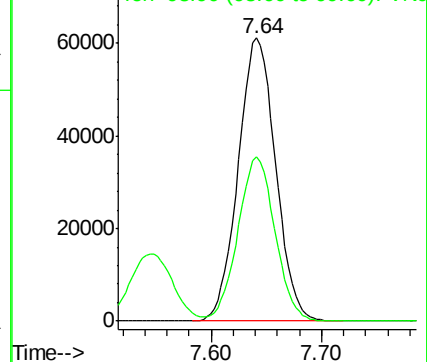
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.224 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060927.D

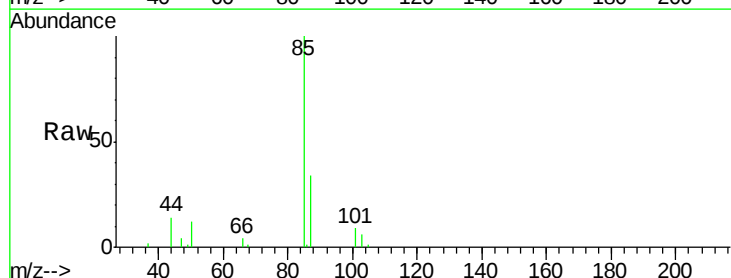
Acq: 14 Apr 2020 12:52

Tgt Ion: 85 Resp: 28131

Ion Ratio Lower Upper

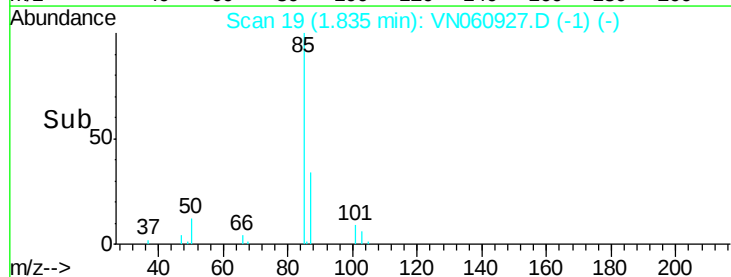
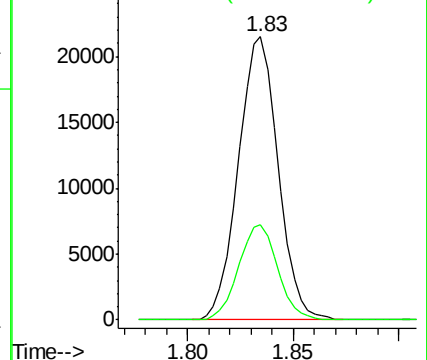
85 100

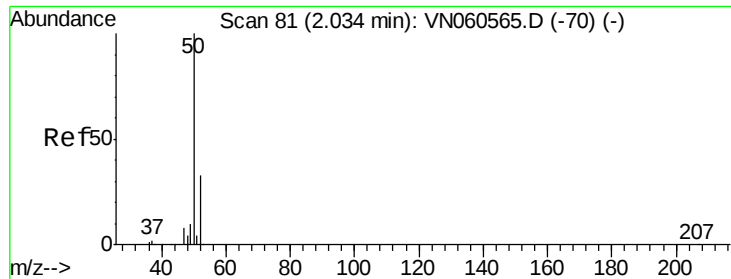
87 33.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.843 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 50 Resp: 51548

Ion Ratio Lower Upper

50 100

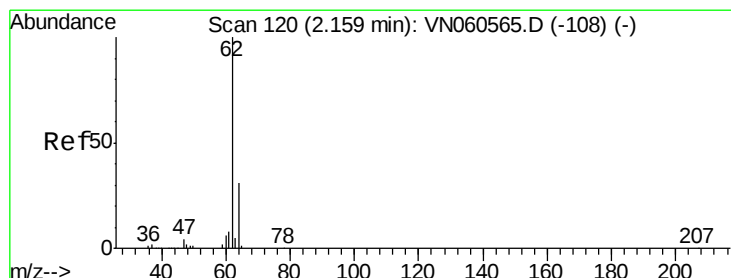
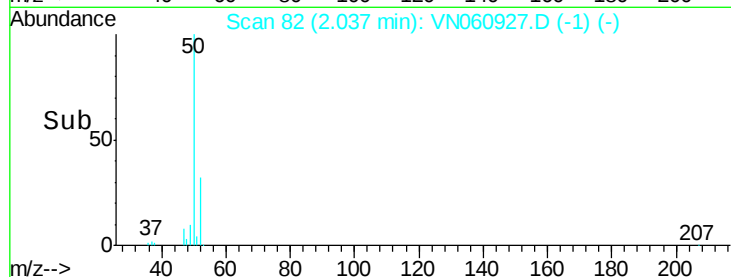
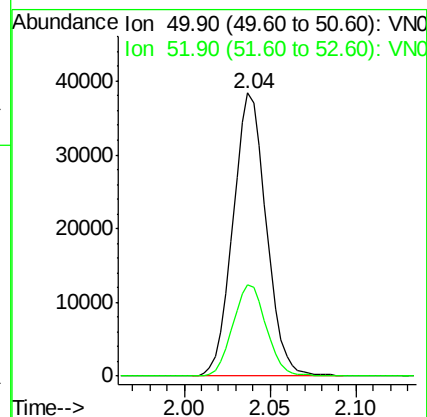
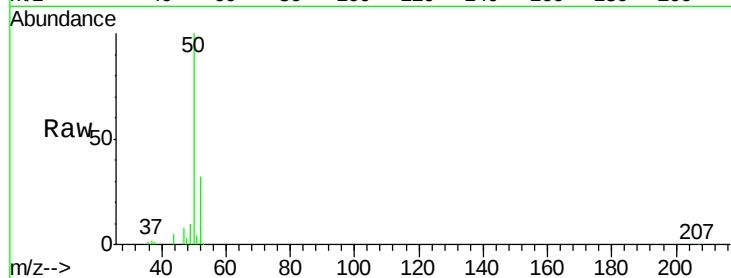
52 32.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.496 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060927.D

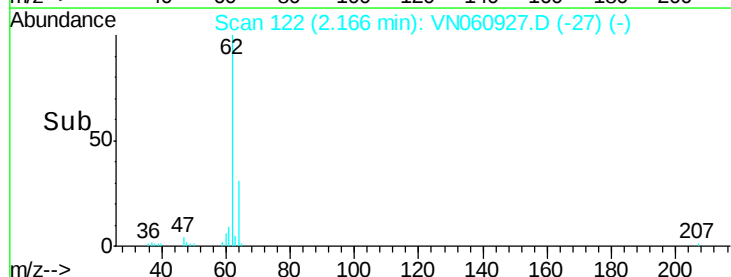
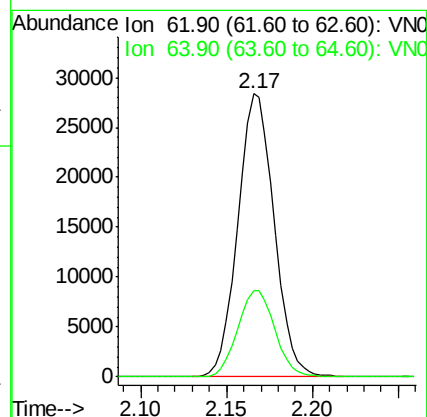
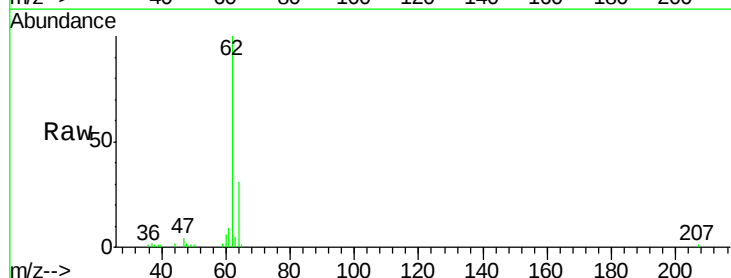
Acq: 14 Apr 2020 12:52

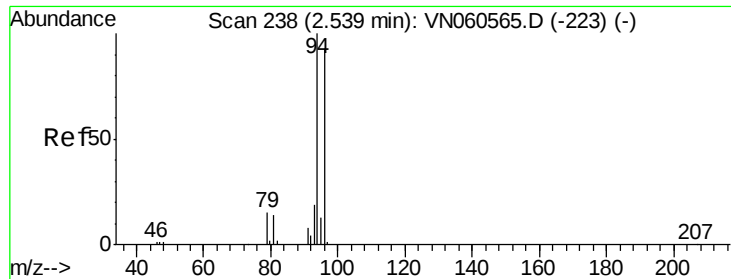
Tgt Ion: 62 Resp: 41645

Ion Ratio Lower Upper

62 100

64 30.6 24.7 37.1





#5

Bromomethane

Concen: 23.633 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

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ClientSampleId :

VN0414WBSD01

Tot Ion: 94 Resp: 20729

Ion Ratio Lower Upper

94 100

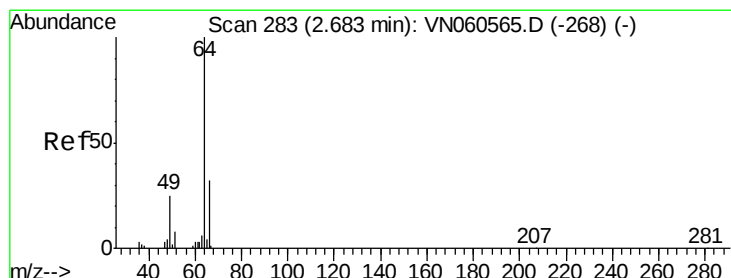
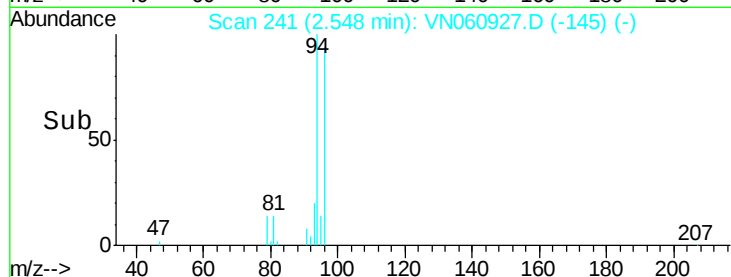
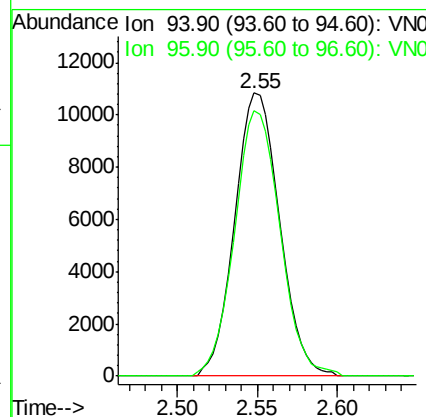
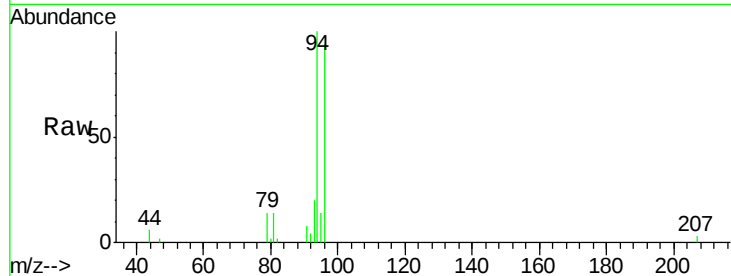
96 93.6 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 21.961 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060927.D

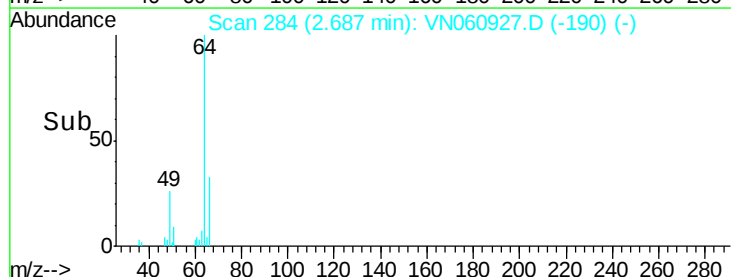
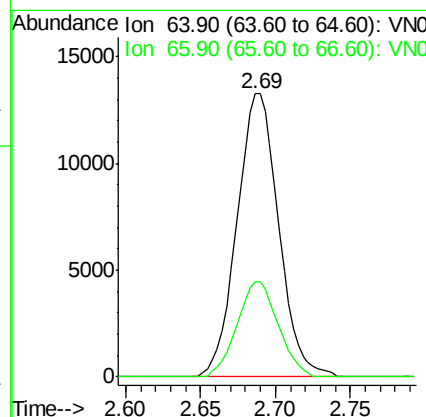
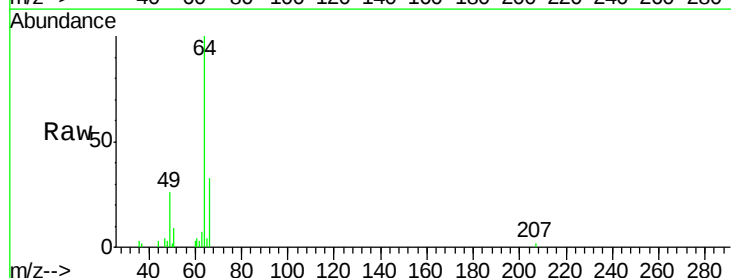
Acq: 14 Apr 2020 12:52

Tgt Ion: 64 Resp: 25705

Ion Ratio Lower Upper

64 100

66 33.4 25.3 37.9





#7

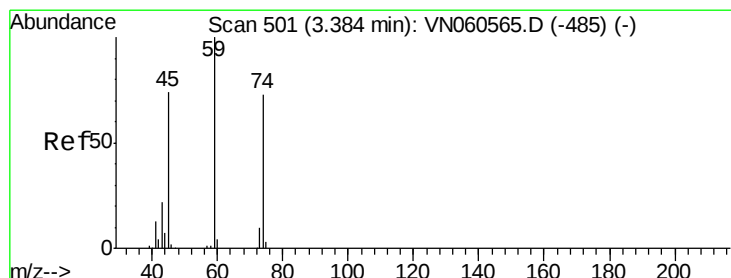
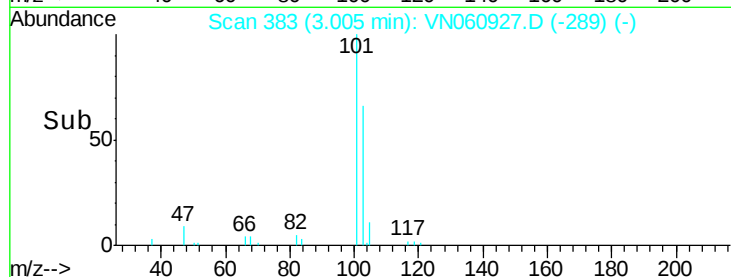
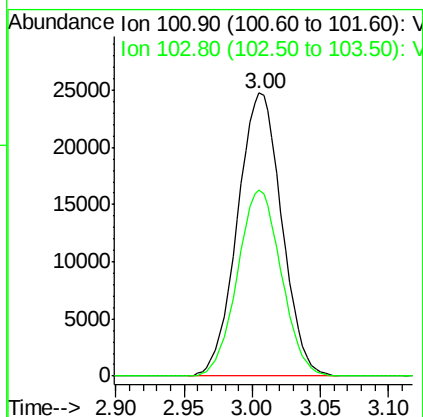
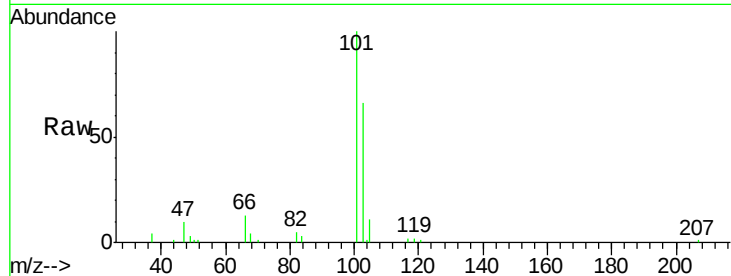
Trichlorofluoromethane
 Concen: 22.284 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.6	76.0

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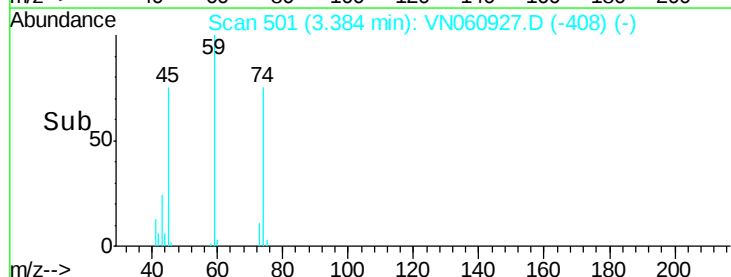
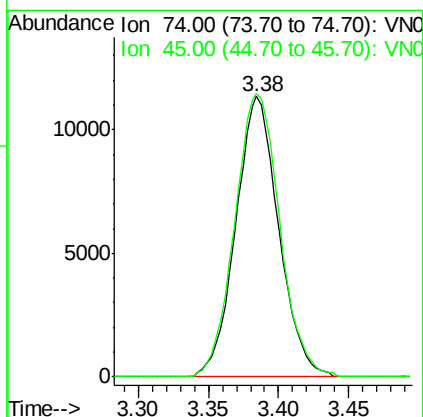
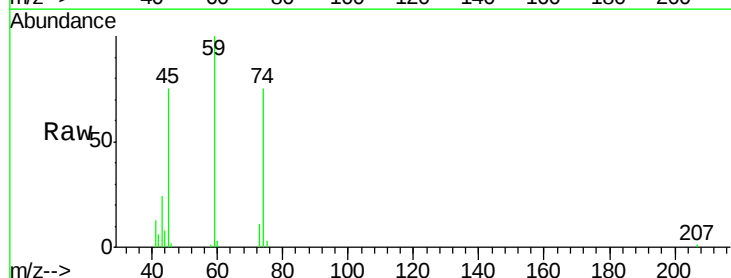
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#8

Diethyl Ether
 Concen: 23.985 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.0	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.748 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

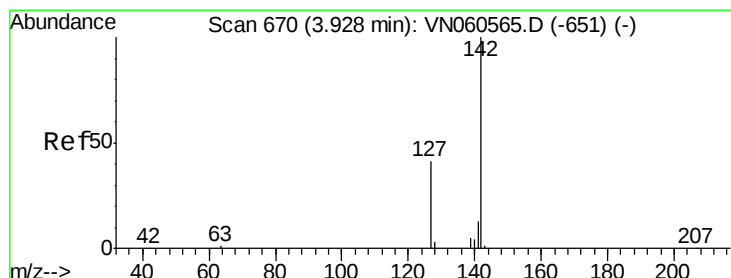
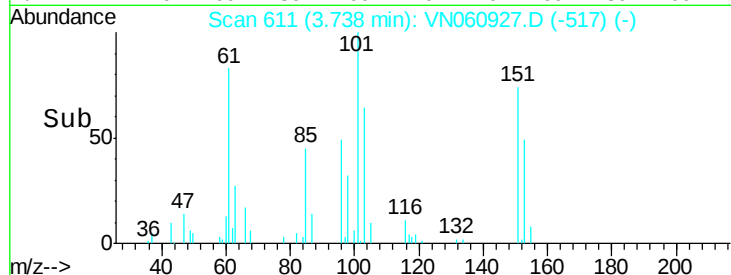
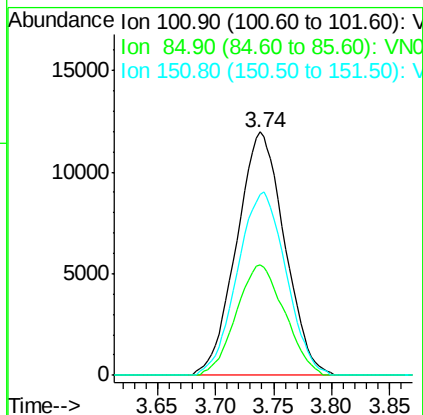
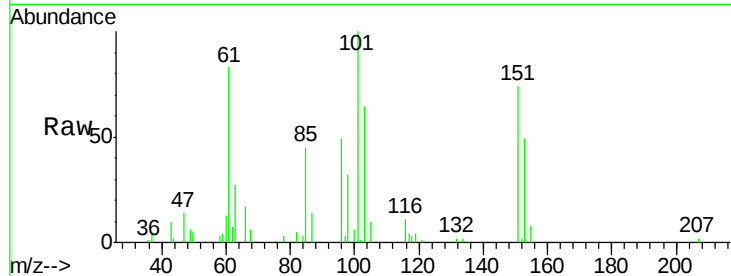
ClientSampleId :

VN0414WBSD01

Tot Ion:	101	Resp:	34443
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.6	53.4
151	76.4	61.4	92.2

Manual Integrations
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MMDadoda
4/15/2020 1:49:56 PM



#10

Methyl Iodide

Concen: 20.627 ug/l

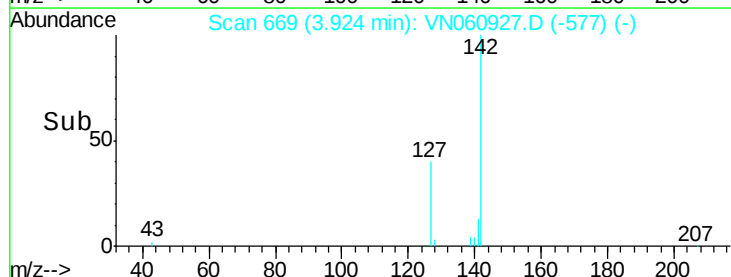
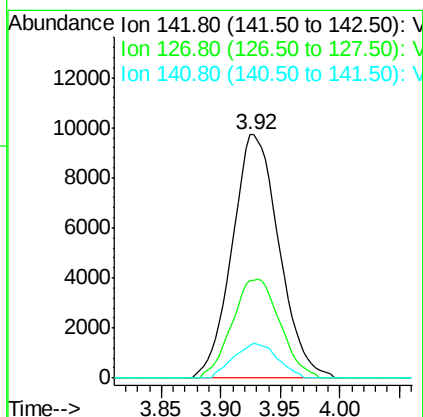
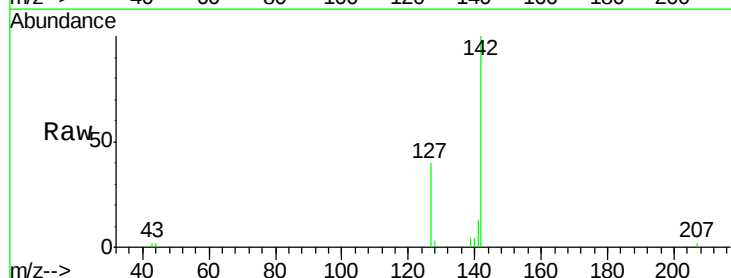
RT: 3.92 min Scan# 669

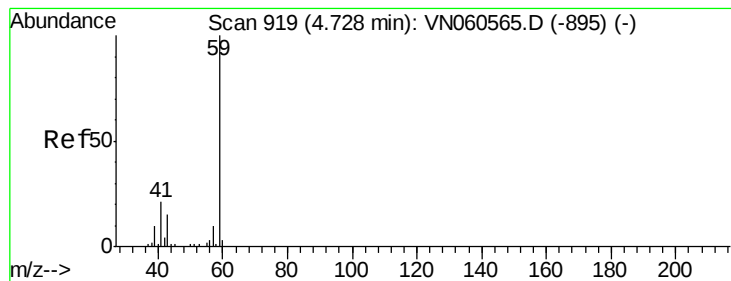
Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Tgt Ion:	142	Resp:	26621
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.5	50.3
141	13.3	11.0	16.6





#11

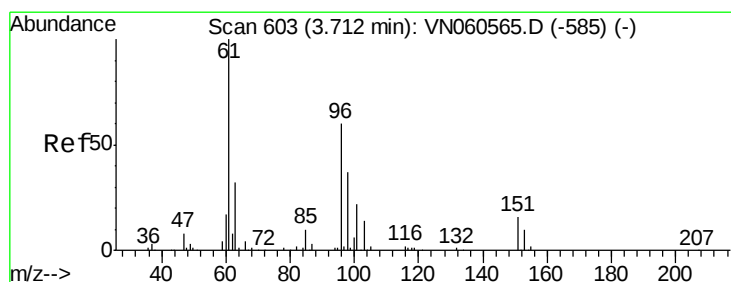
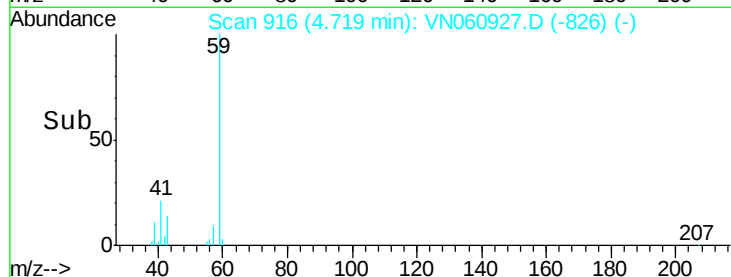
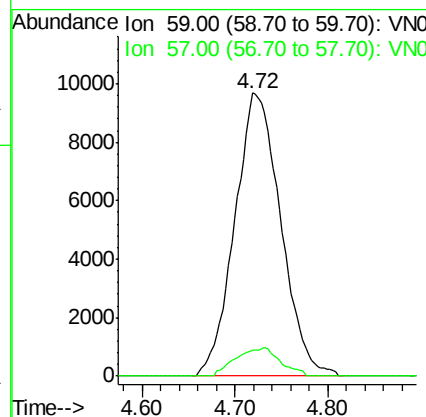
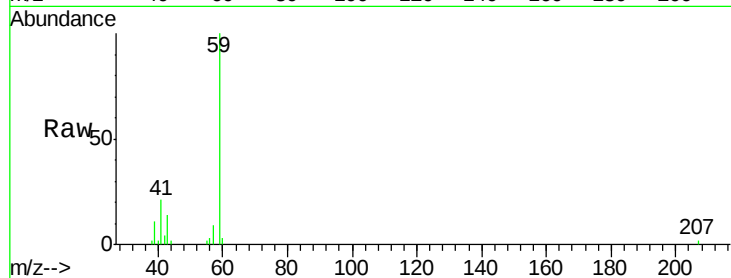
Tert butyl alcohol
Concen: 114.928 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
APPROVED

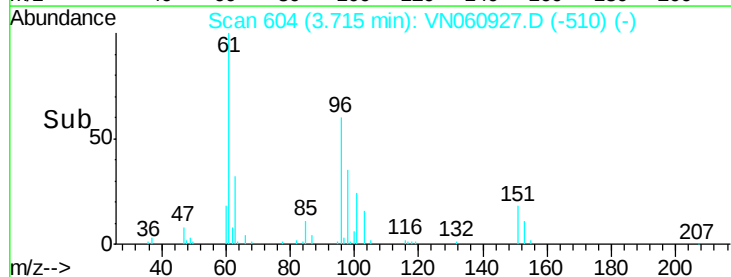
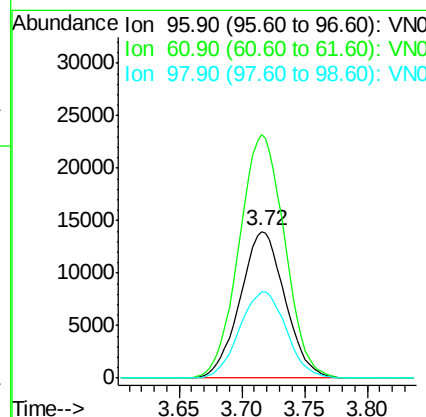
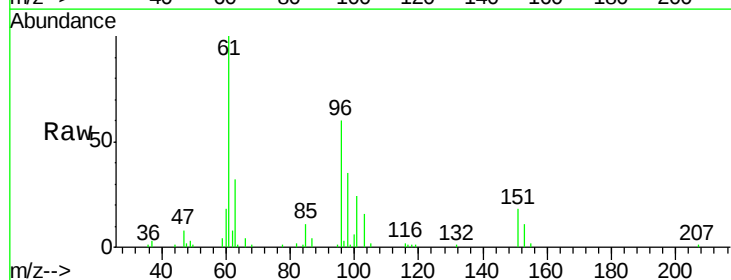
MMDadoda
4/15/2020 1:49:56 PM

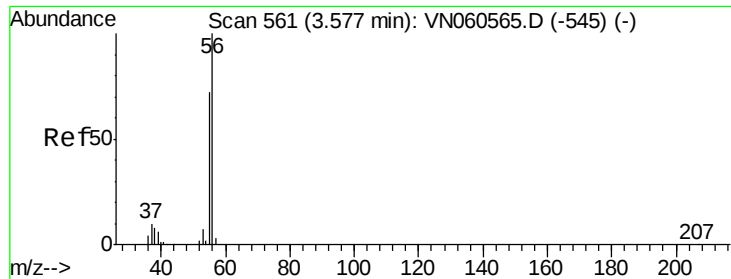


#12

1,1-Dichloroethene
Concen: 22.258 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.2	134.1	201.1
98	58.8	49.9	74.9





#13

Acrolein

Concen: 92.636 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 56 Resp: 29797

Ion Ratio Lower Upper

56 100

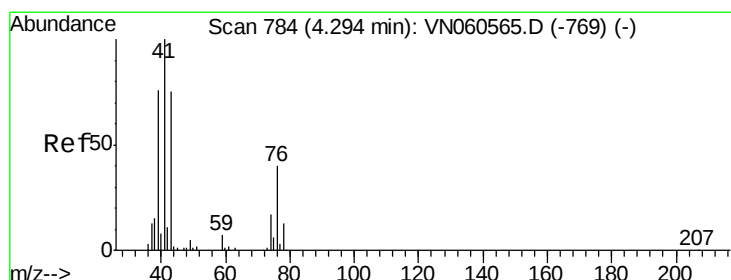
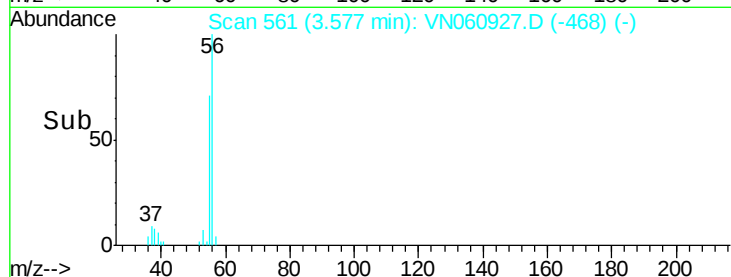
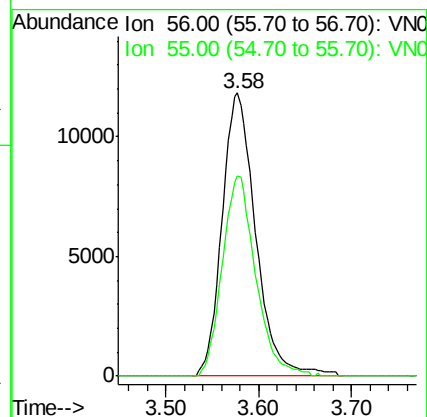
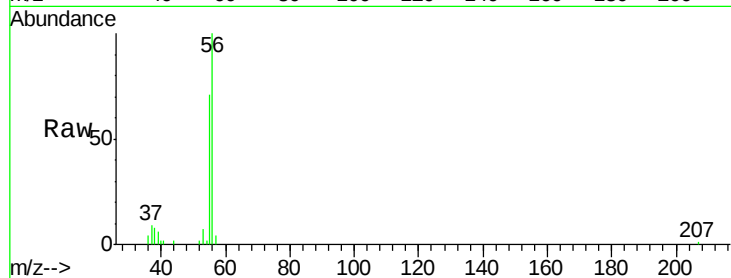
55 70.2 56.7 85.1

Manual Integrations

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MMDadoda

4/15/2020 1:49:56 PM



#14

Allyl chloride

Concen: 23.795 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

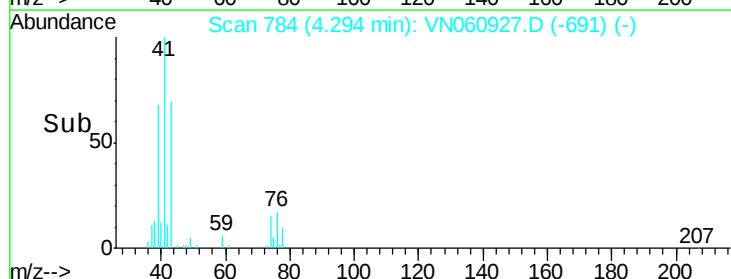
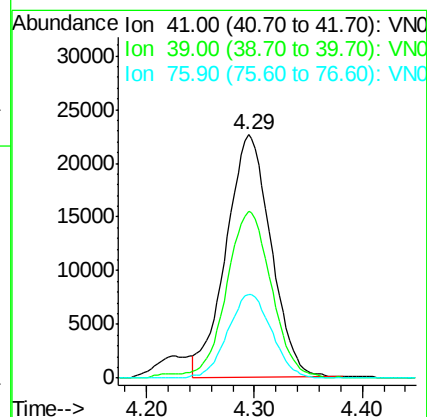
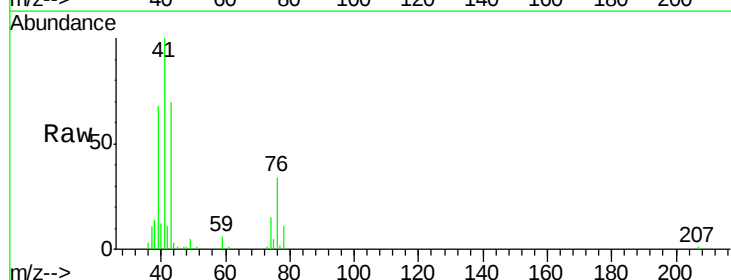
Tgt Ion: 41 Resp: 65136

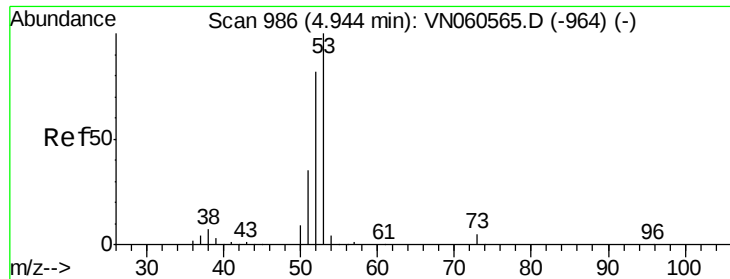
Ion Ratio Lower Upper

41 100

39 70.0 57.8 86.8

76 33.8 28.6 43.0





#15

Acrylonitrile

Concen: 120.338 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

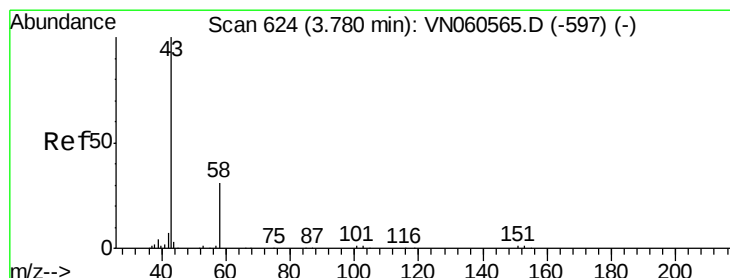
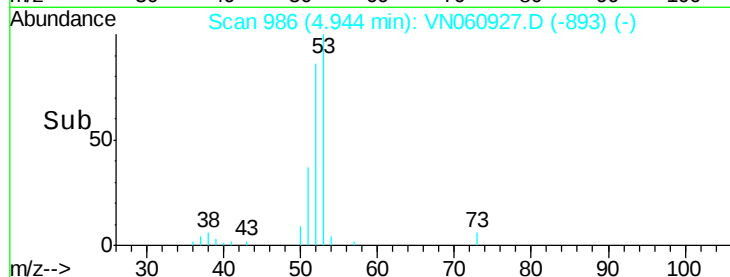
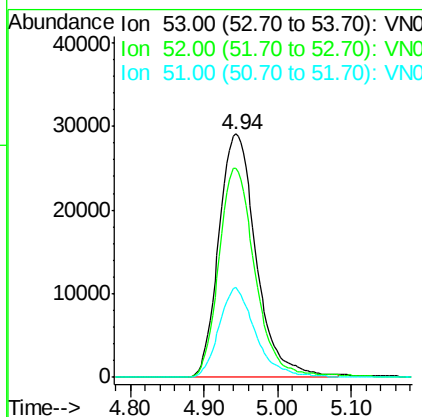
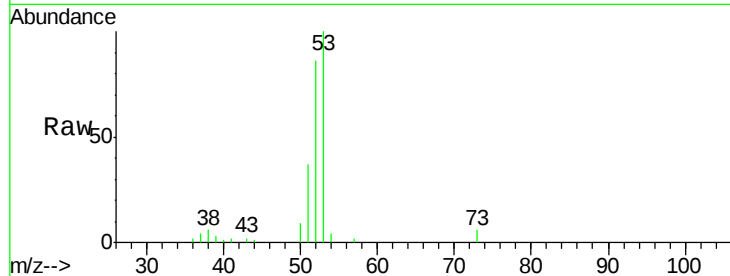
ClientSampleId :

VN0414WBSD01

Tot Ion:	53	Resp:	102700
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.2	99.4
51	35.6	28.7	43.1

Manual Integrations
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4/15/2020 1:49:56 PM



#16

Acetone

Concen: 145.635 ug/l

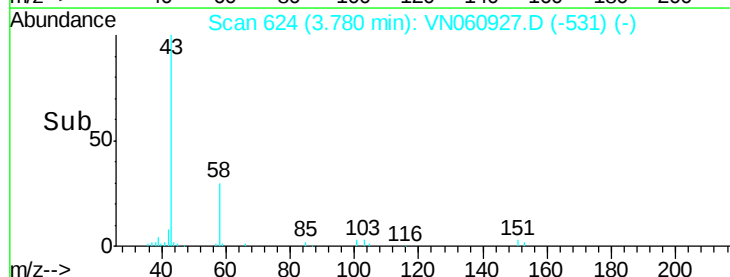
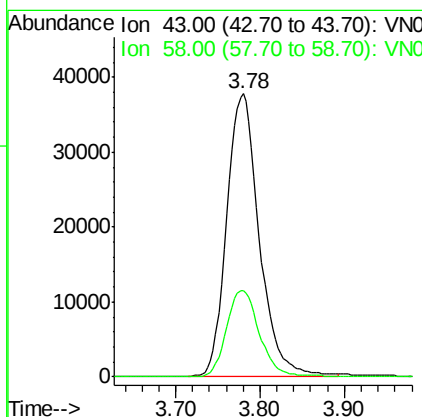
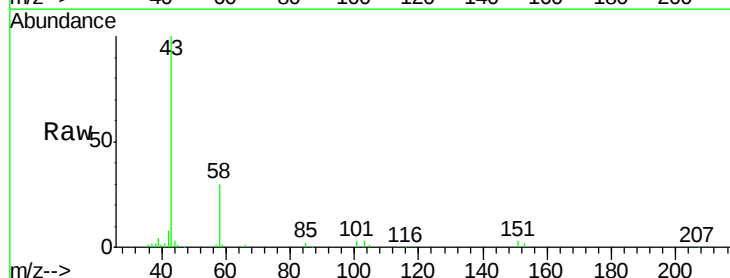
RT: 3.78 min Scan# 624

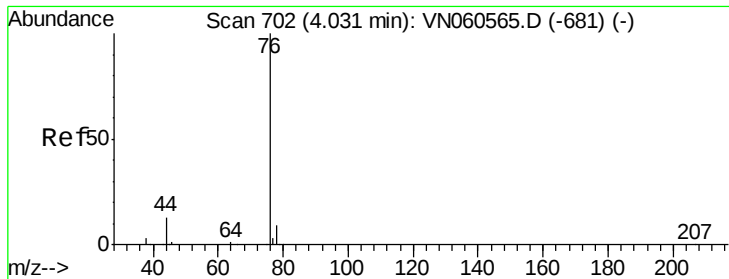
Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Tgt Ion:	43	Resp:	101802
Ion Ratio		Lower	Upper
43	100		
58	30.5	25.1	37.7





#17

Carbon Disulfide

Concen: 19.580 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 76 Resp: 92679

Ion Ratio Lower Upper

76 100

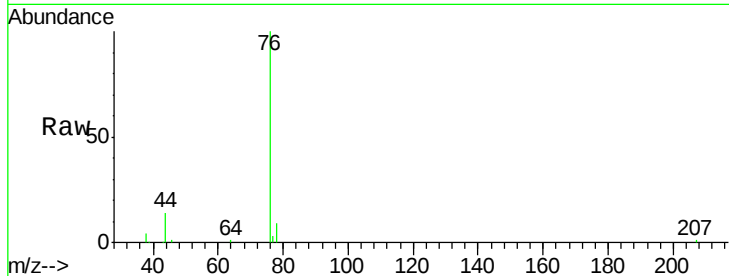
78 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN060927.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060927.D (-681) (-)

4.03

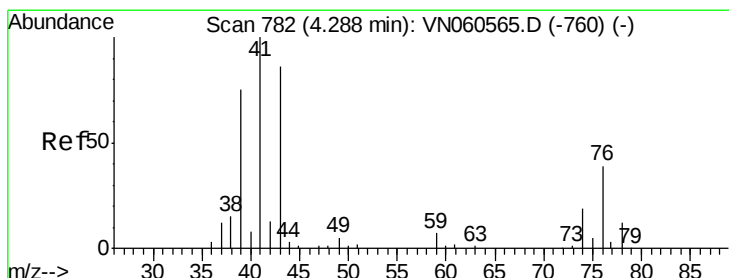
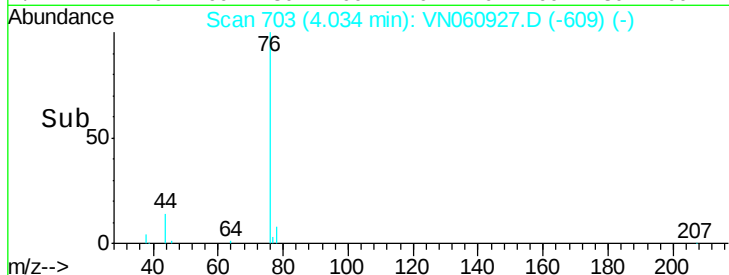
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 25.753 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060927.D

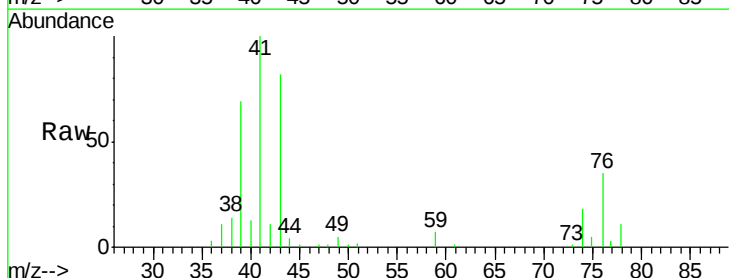
Acq: 14 Apr 2020 12:52

Tgt Ion: 43 Resp: 50670

Ion Ratio Lower Upper

43 100

74 20.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060927.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060927.D (-689) (-)

4.29

20000

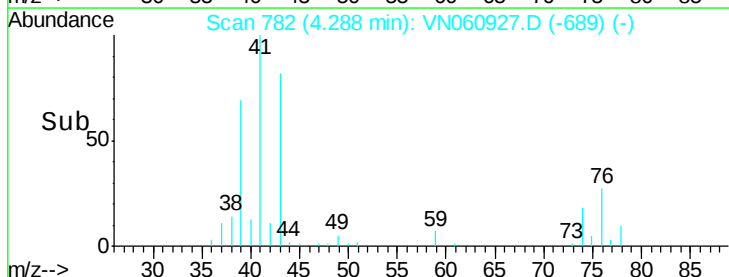
15000

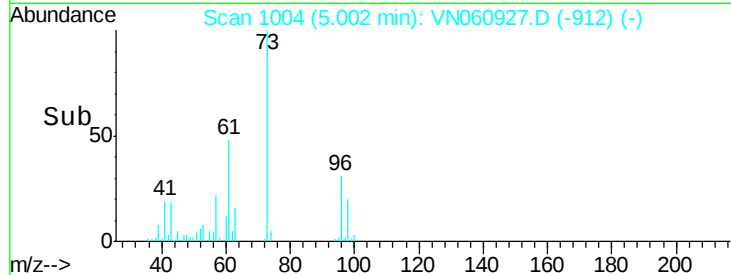
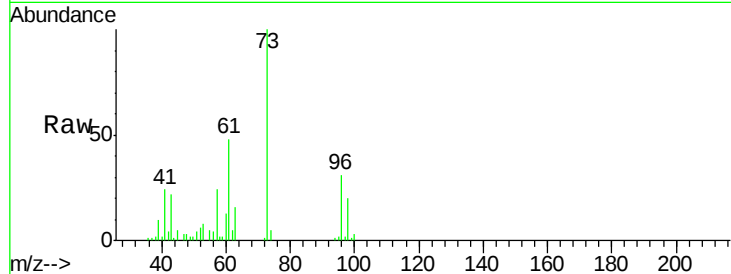
10000

5000

0

Time-->





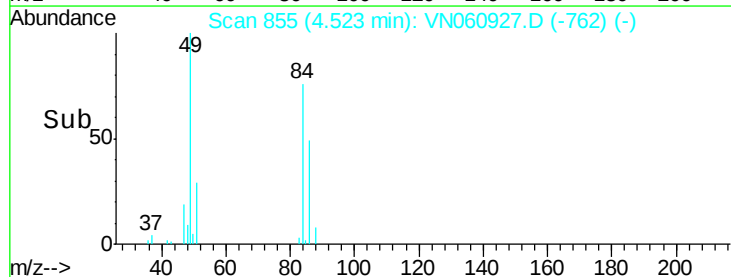
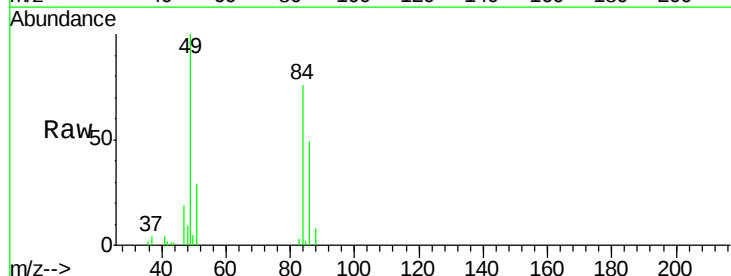
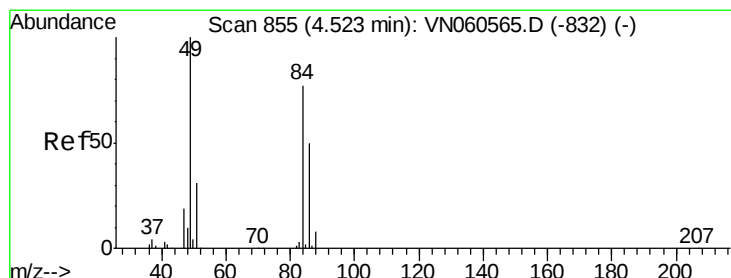
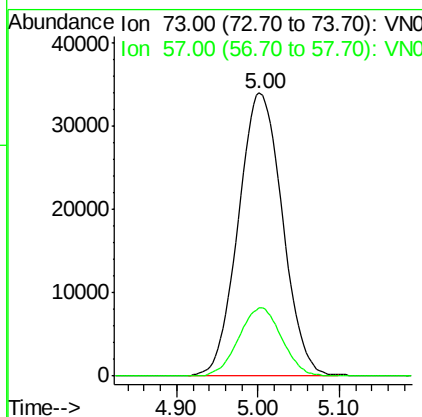
#19
Methvl tert-butvl Ether
Concen: 23.837 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tot Ion: 73 Resp: 127553
Ion Ratio Lower Upper
73 100
57 24.1 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

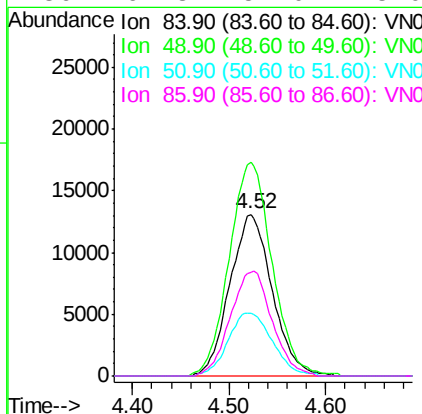
Manual Integrations
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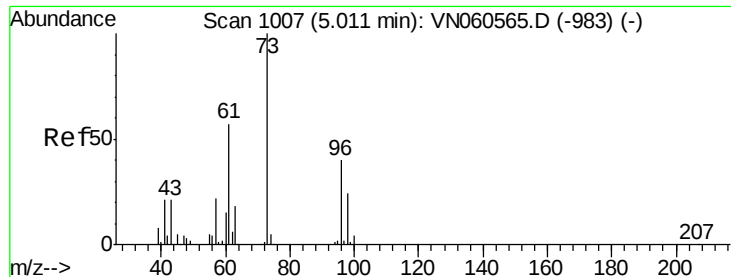
MMDadoda
4/15/2020 1:49:56 PM



#20
Methylene Chloride
Concen: 23.172 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 84 Resp: 39846
Ion Ratio Lower Upper
84 100
49 131.9 103.3 154.9
51 38.7 31.6 47.4
86 64.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 22.257 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

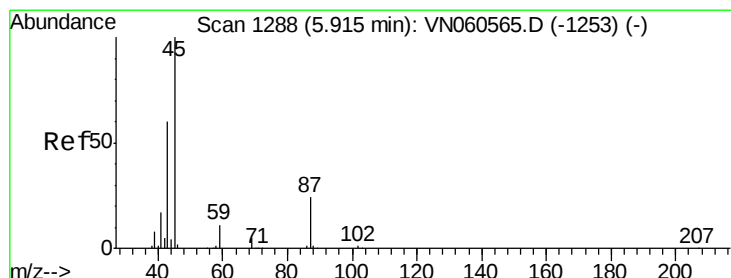
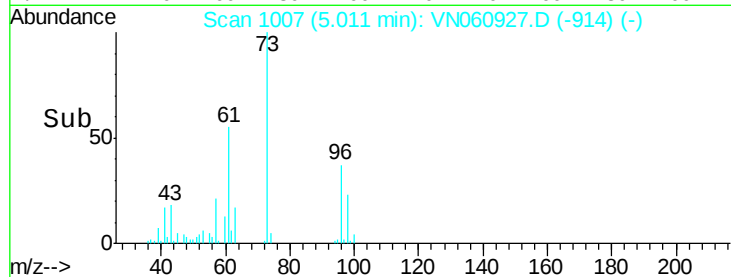
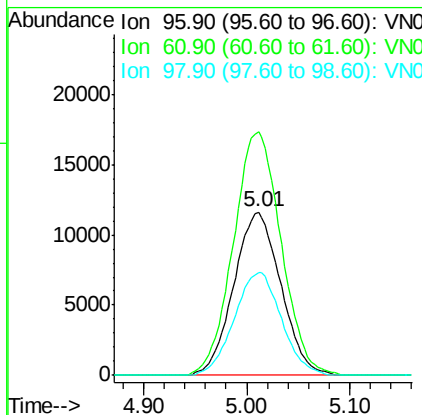
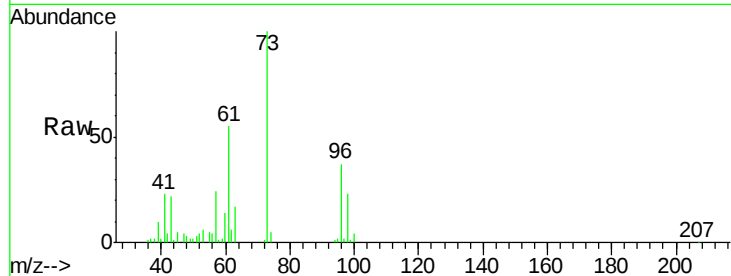
ClientSampleId :

VN0414WBSD01

Tot Ion:	96	Resp:	36920
Ion	Ratio	Lower	Upper
96	100		
61	149.2	114.4	171.6
98	62.8	48.4	72.6

Manual Integrations
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MMDadoda
4/15/2020 1:49:56 PM



#22

Diisopropyl ether

Concen: 25.621 ug/l

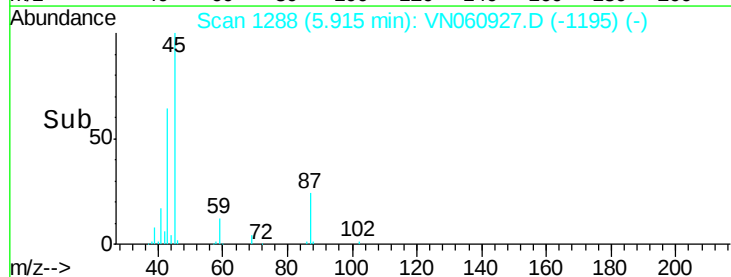
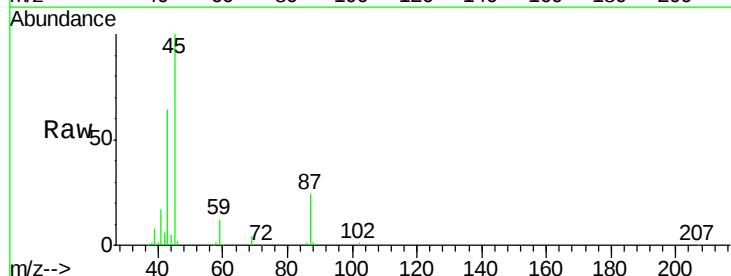
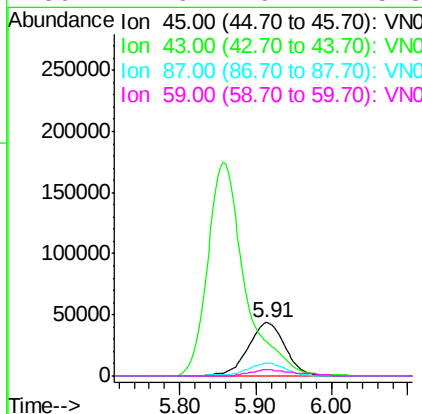
RT: 5.91 min Scan# 1288

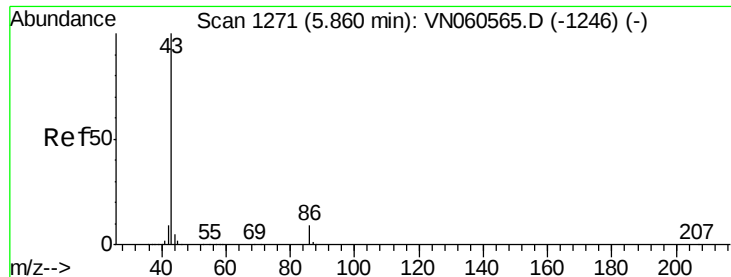
Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Tgt Ion:	45	Resp:	148171
Ion	Ratio	Lower	Upper
45	100		
43	62.5	49.8	74.8
87	24.1	20.1	30.1
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 125.454 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 43 Resp: 591971

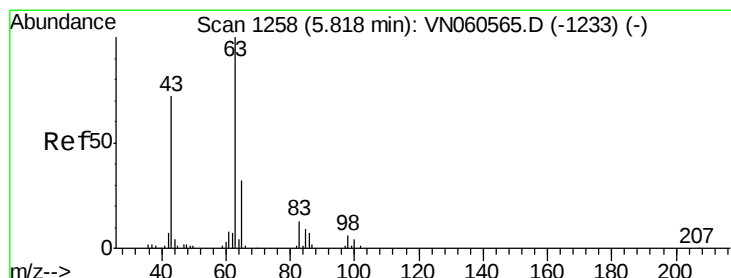
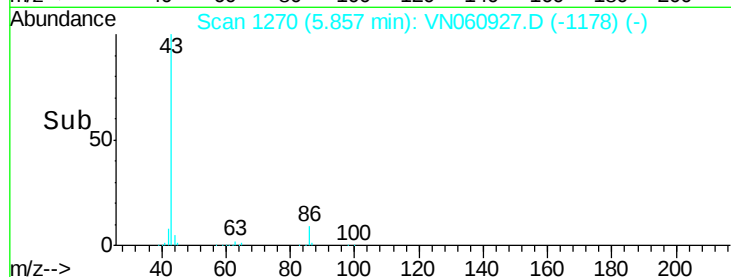
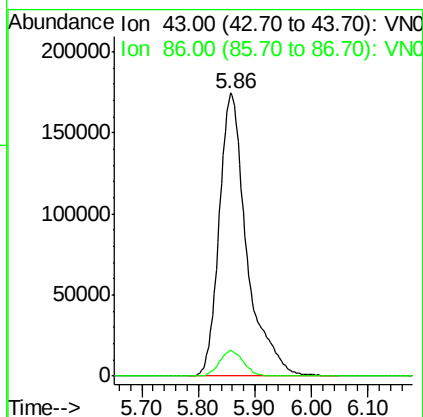
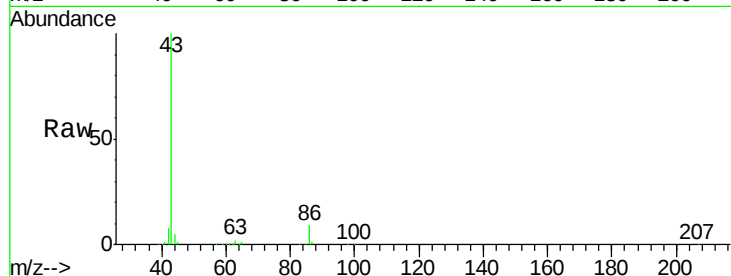
Ion Ratio Lower Upper

43 100

86 9.0 7.6 11.4

Manual Integrations
APPROVED

MMDadoda
4/15/2020 1:49:56 PM



#24

1,1-Dichloroethane

Concen: 24.352 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

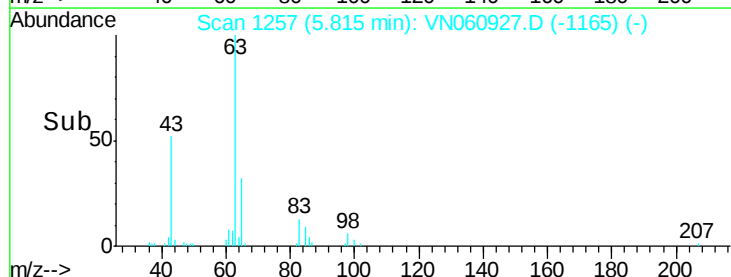
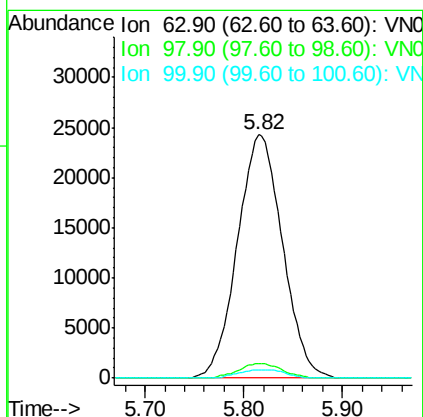
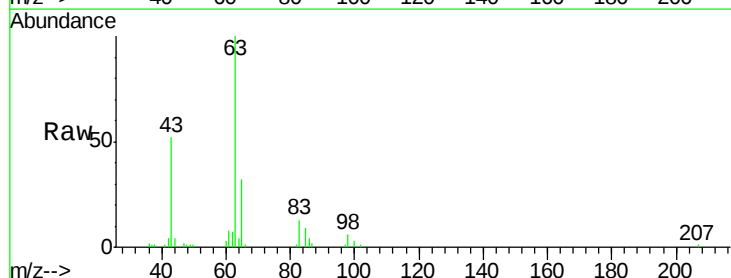
Tgt Ion: 63 Resp: 76775

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

100 3.4 1.8 5.5





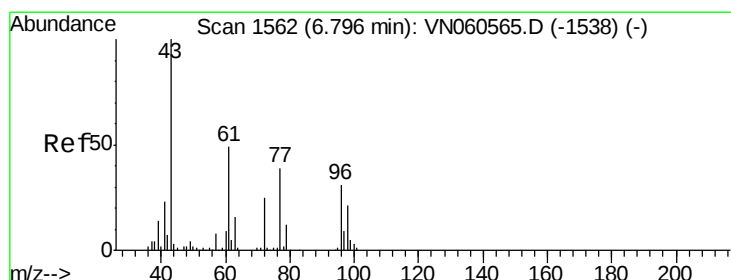
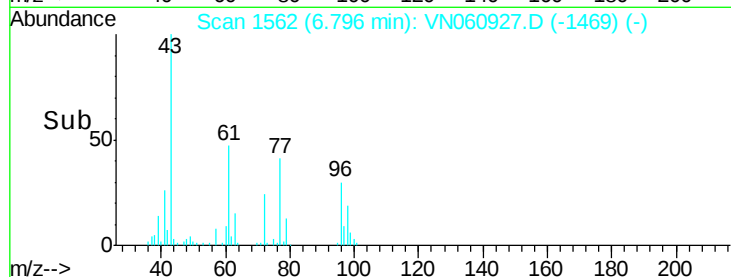
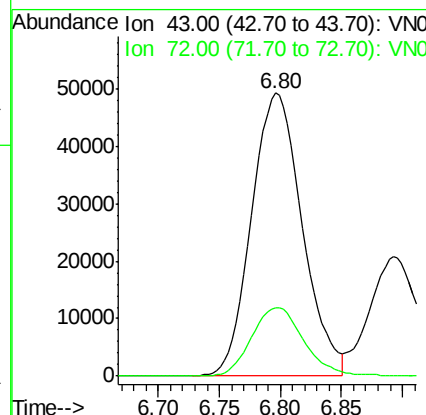
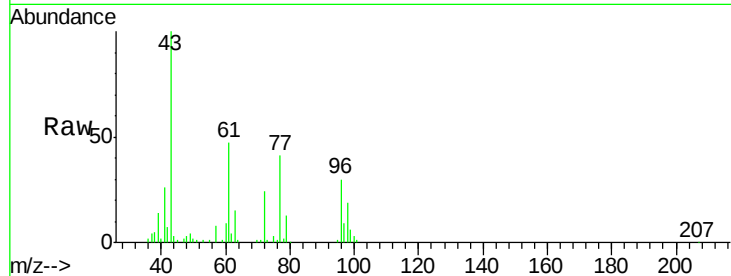
#25
2-Butanone
Concen: 125.763 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion: 43 Resp: 142255
Ion Ratio Lower Upper
43 100
72 24.3 20.4 30.6

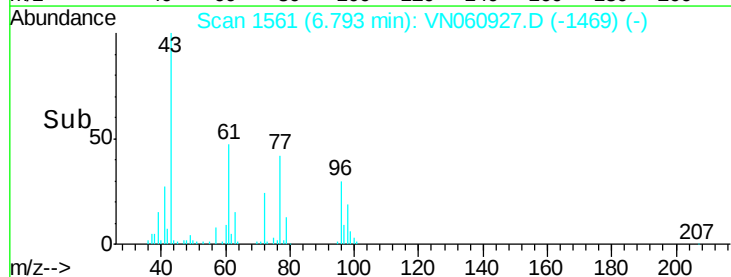
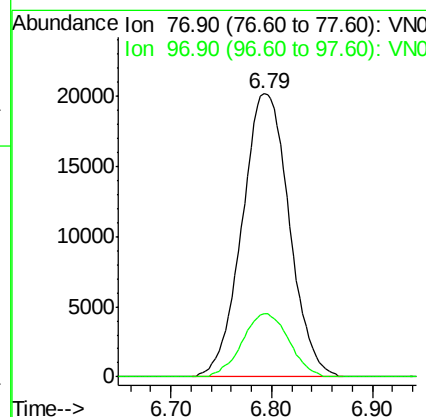
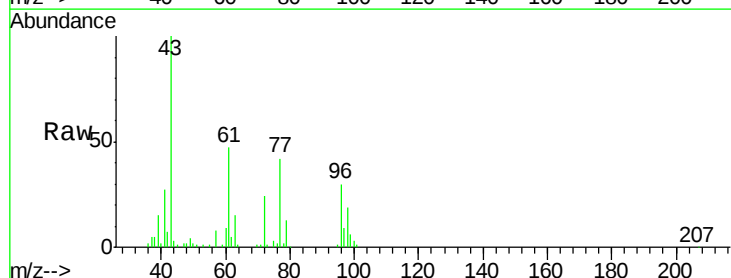
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 26.386 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 77 Resp: 65452
Ion Ratio Lower Upper
77 100
97 22.1 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 23.370 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

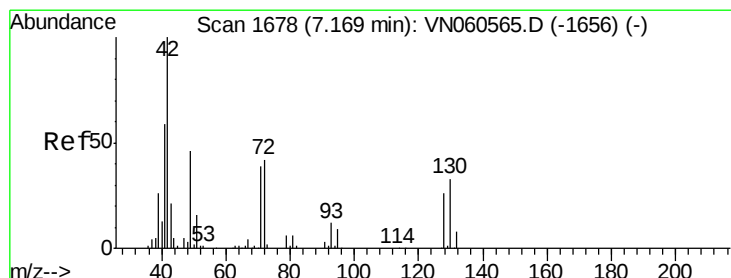
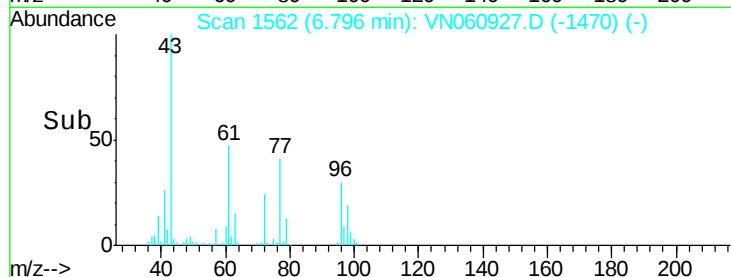
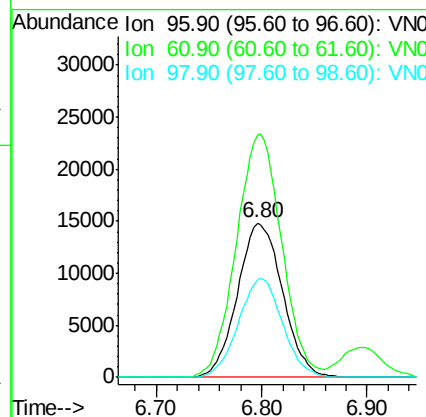
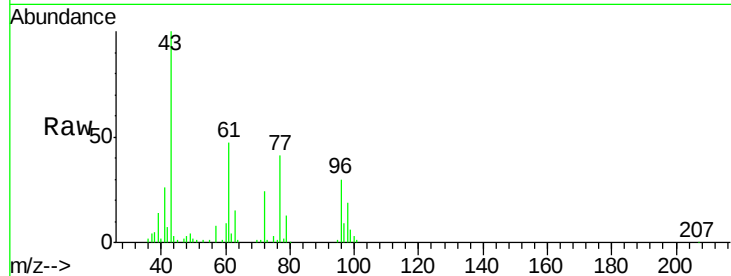
ClientSampleId :

VN0414WBSD01

Tot Ion:	96	Resp:	44052
Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	305.6
98	62.8	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 26.801 ug/l

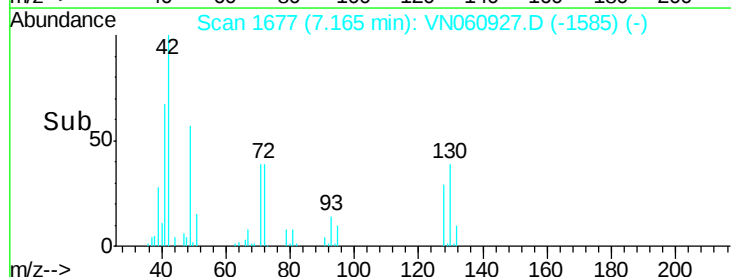
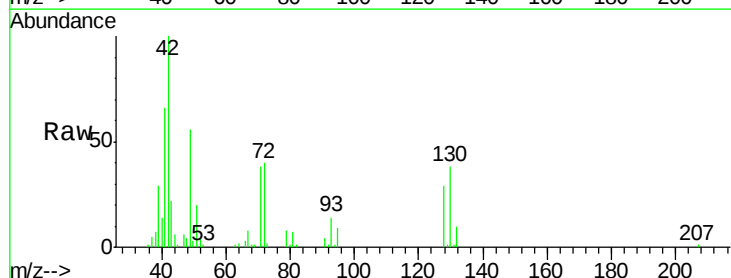
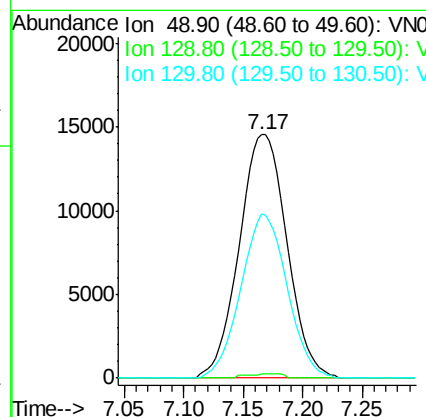
RT: 7.17 min Scan# 1677

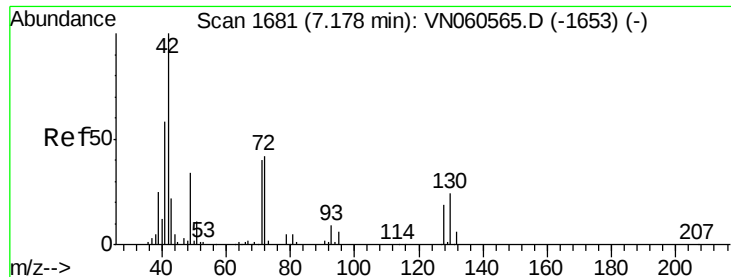
Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Tgt Ion:	49	Resp:	40427
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	65.3	55.0	82.4





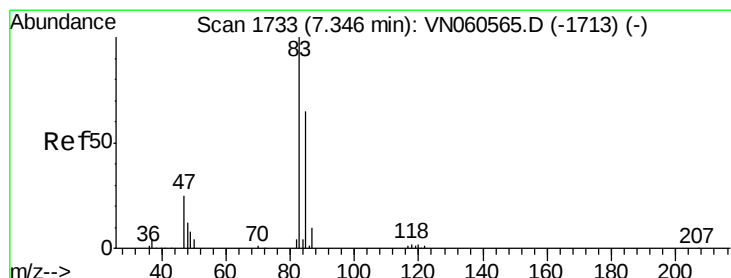
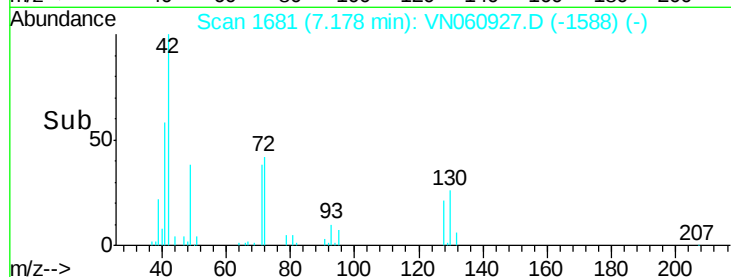
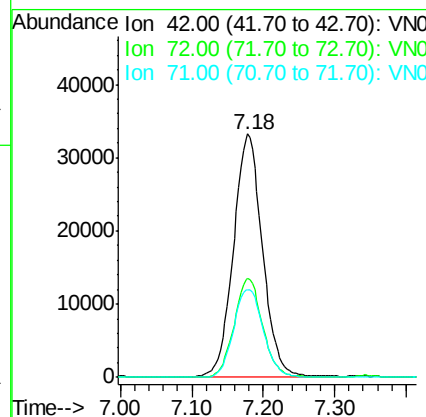
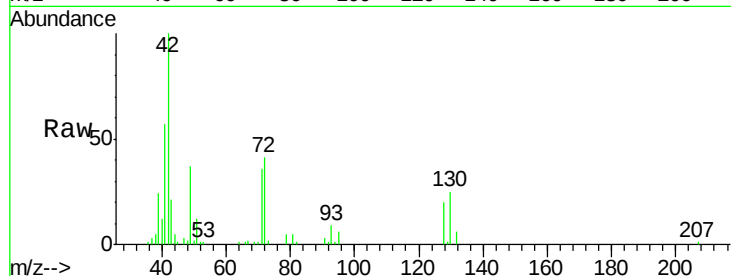
#29
Tetrahydrofuran
Concen: 118.160 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	33.2	49.8
71	36.7	31.1	46.7

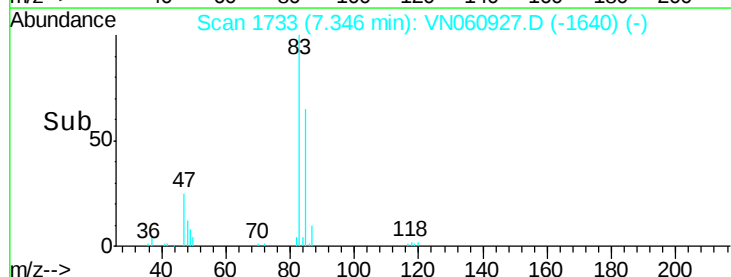
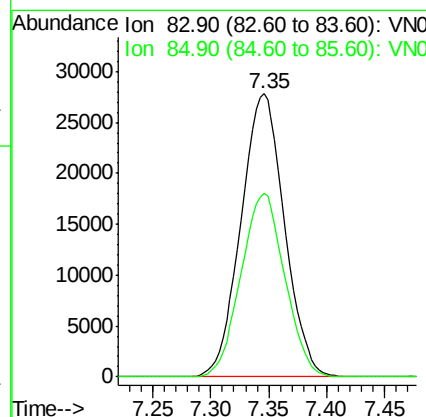
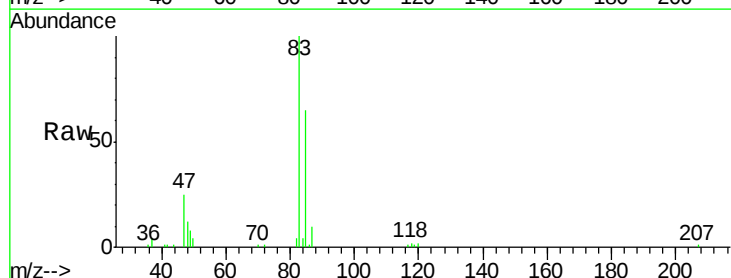
Manual Integrations
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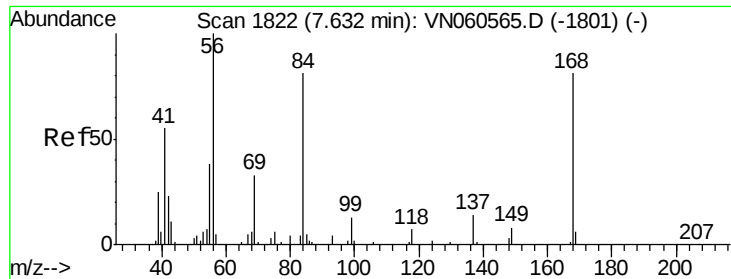
MMDadoda
4/15/2020 1:49:56 PM



#30
Chloroform
Concen: 24.018 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





#31

Cyclohexane

Concen: 22.289 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

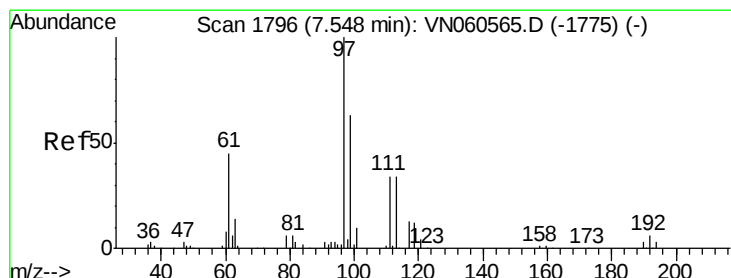
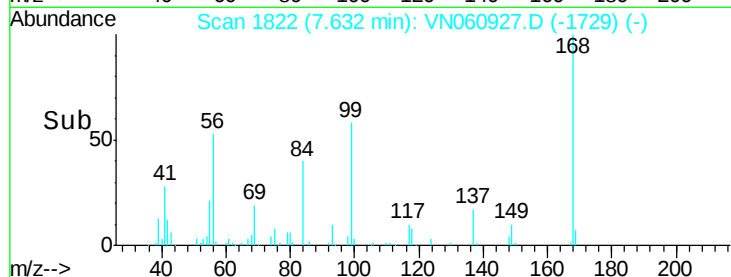
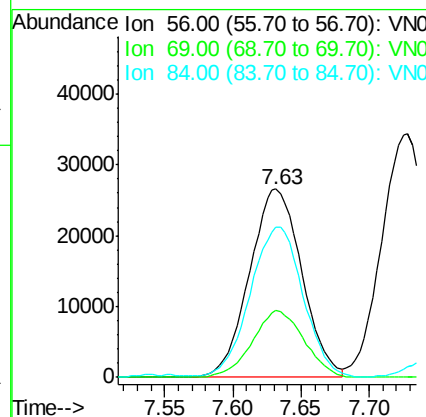
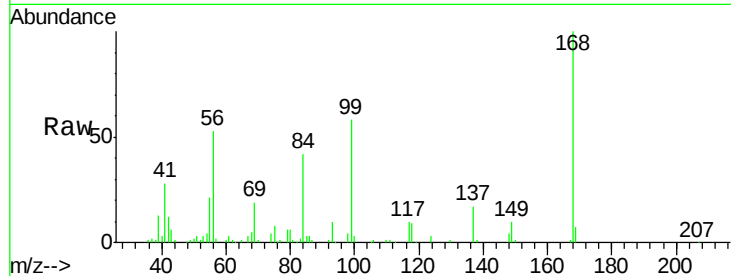
VN0414WBSD01

Tot Ion: 56 Resp: 70842

Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.6	40.0
84	79.0	64.3	96.5

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#32

1,1,1-Trichloroethane

Concen: 23.474 ug/l

RT: 7.54 min Scan# 1795

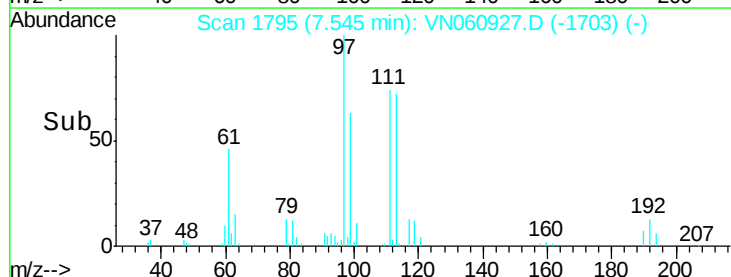
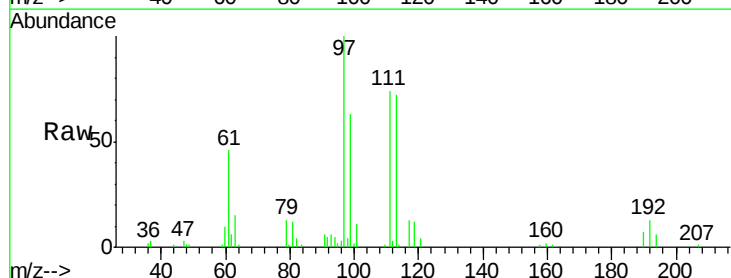
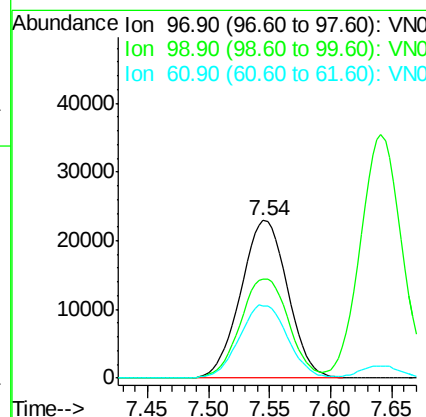
Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Tgt Ion: 97 Resp: 61161

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.6	75.8
61	47.5	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 54.964 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 65 Resp: 108466

Ion Ratio Lower Upper

65 100

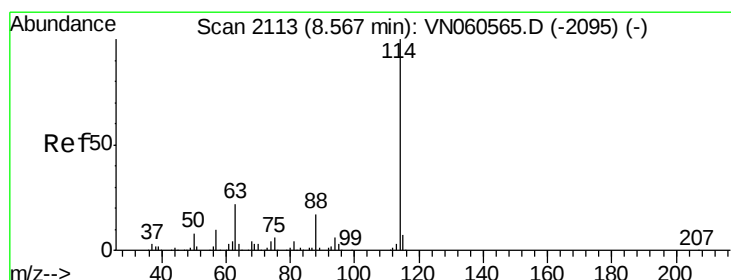
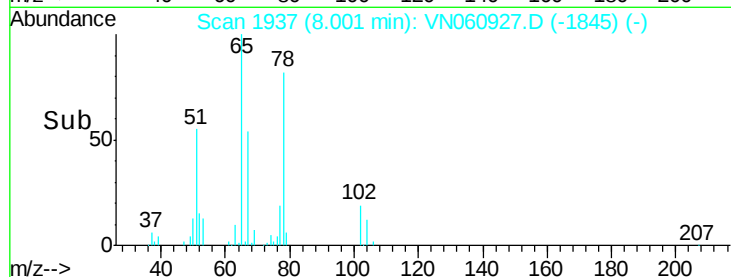
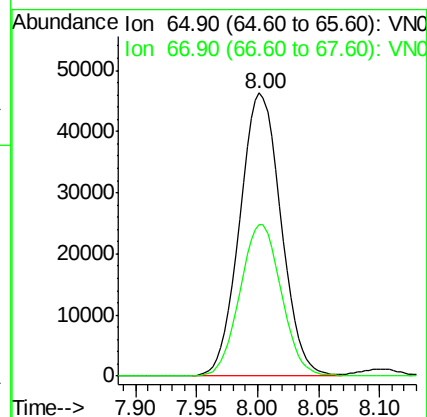
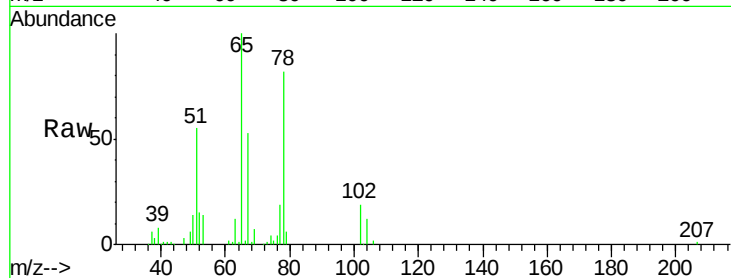
67 53.5 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

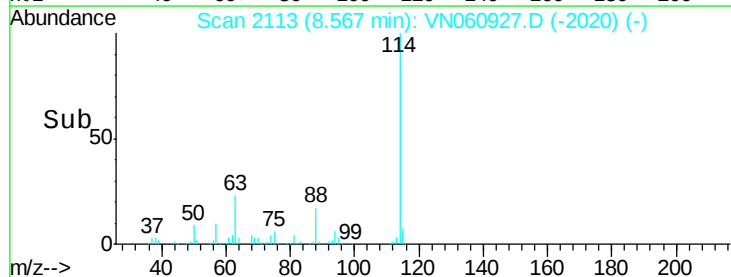
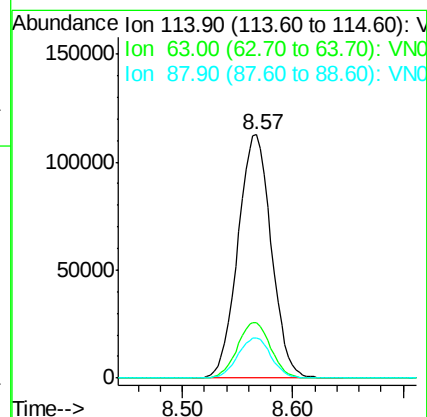
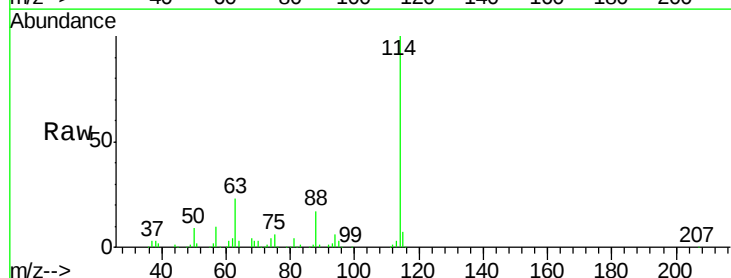
Tgt Ion: 114 Resp: 236421

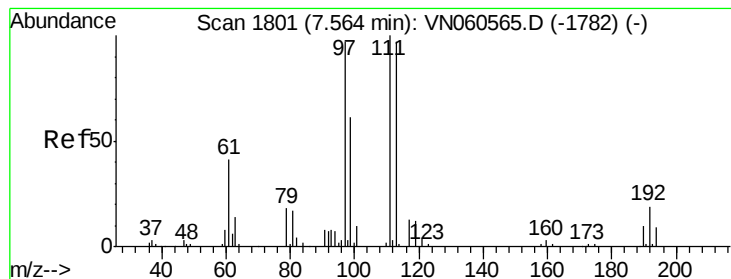
Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 57.244 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

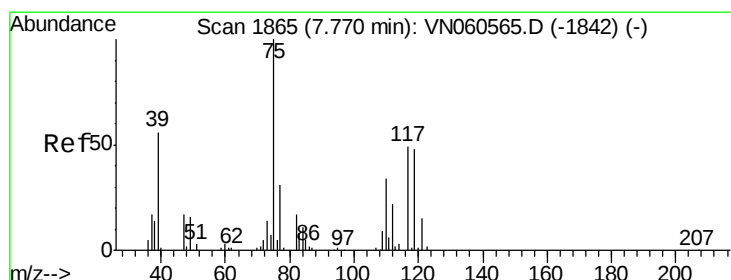
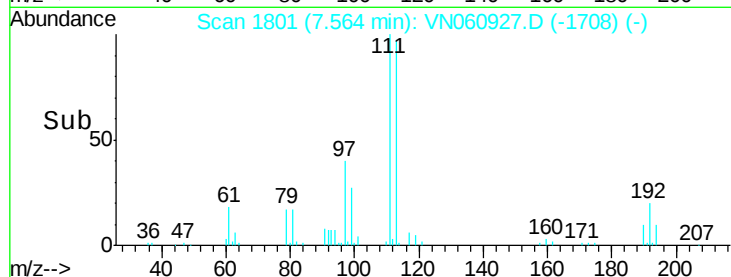
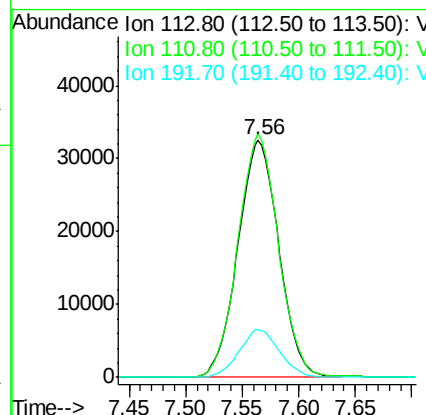
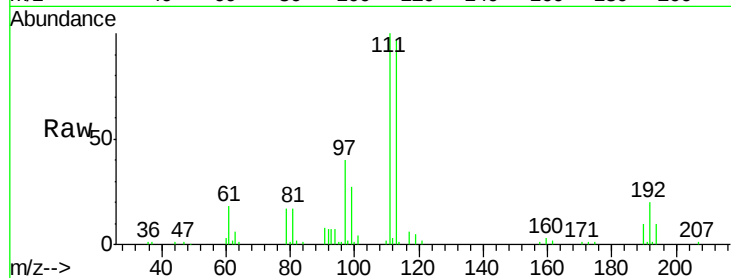
ClientSampleId :

VN0414WBSD01

Tot Ion:	113	Resp:	81834
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.9	124.3
192	19.7	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 24.054 ug/l

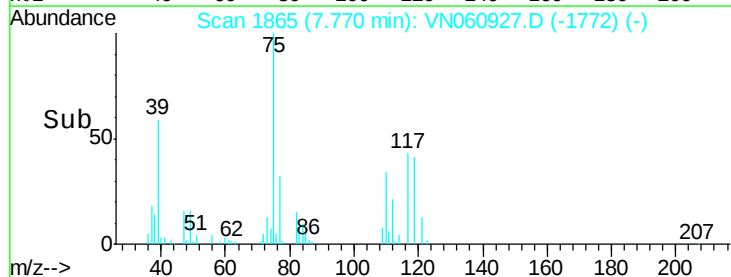
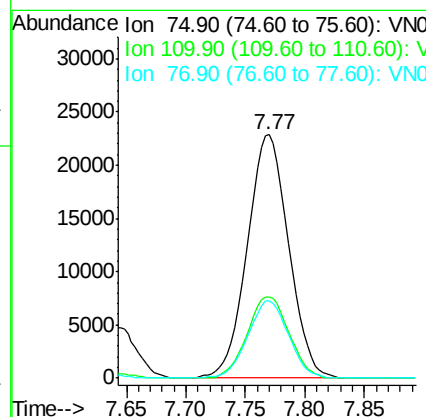
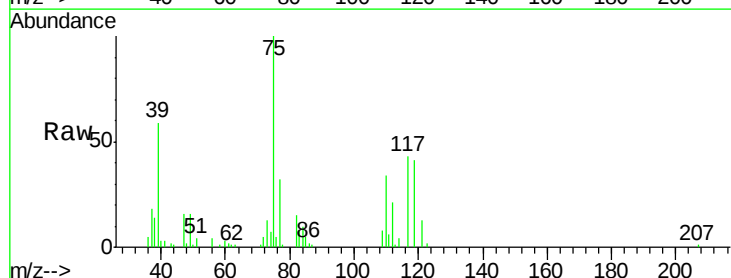
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Tgt Ion:	75	Resp:	55066
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	31.2	24.6	36.8





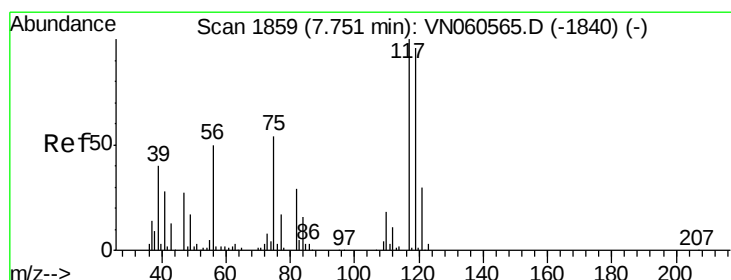
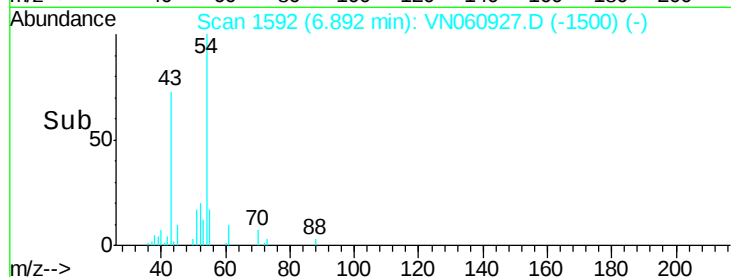
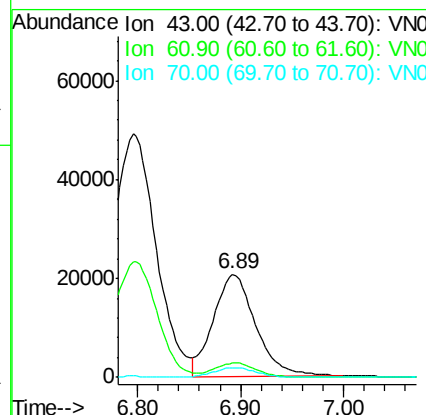
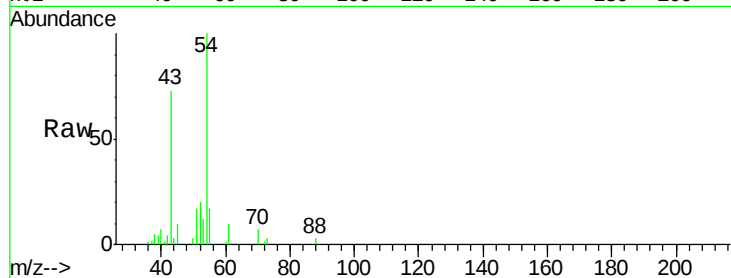
#37
Ethyl Acetate
Concen: 23.692 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	9.4	7.9	11.9

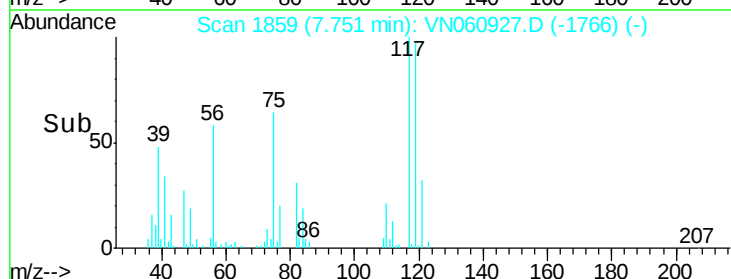
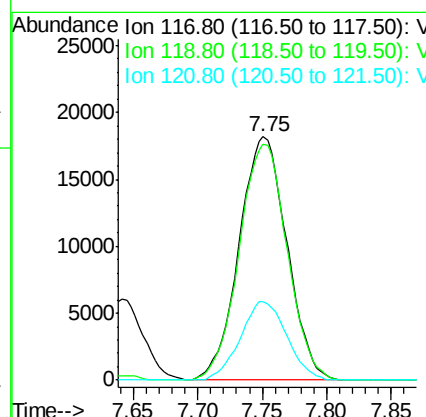
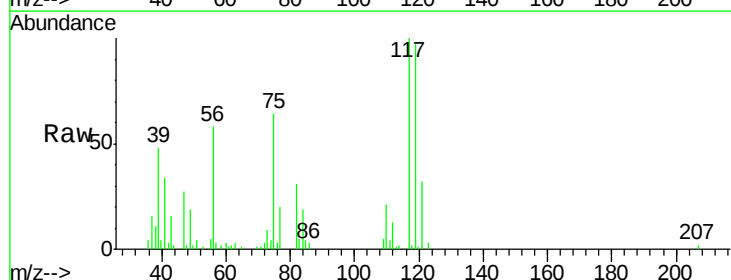
Manual Integrations
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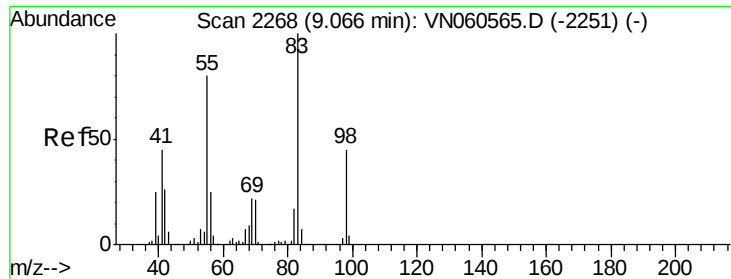
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#38
Carbon Tetrachloride
Concen: 22.882 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.2	114.2
121	32.4	23.7	35.5





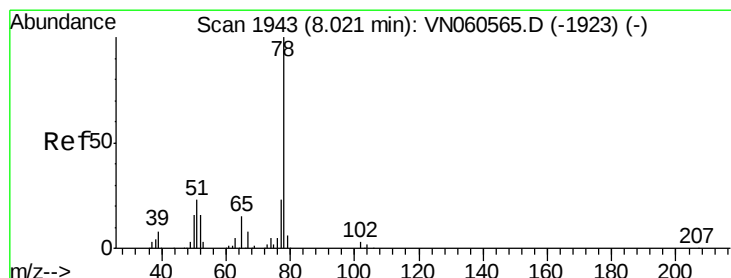
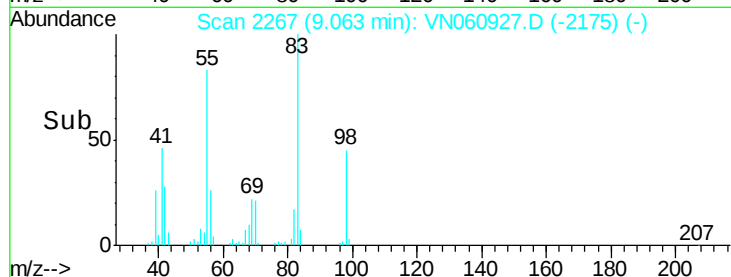
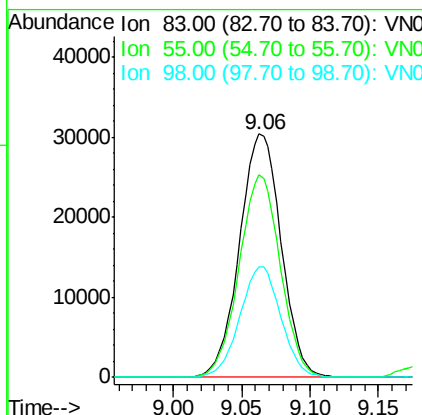
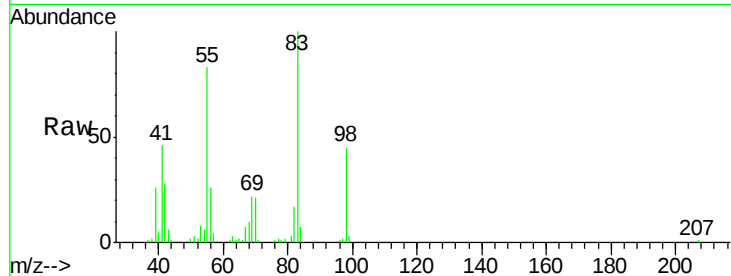
#39
Methvlcvclohexane
Concen: 23.715 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	64517		
55	83.1	63.6	95.4	
98	45.2	36.0	54.0	

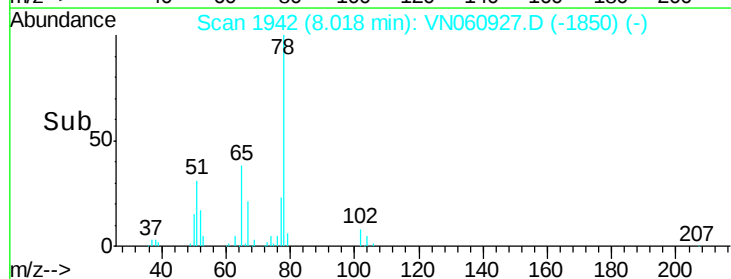
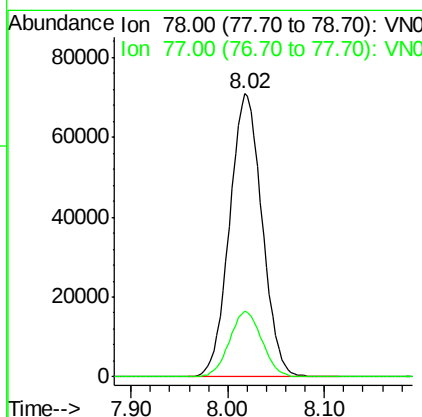
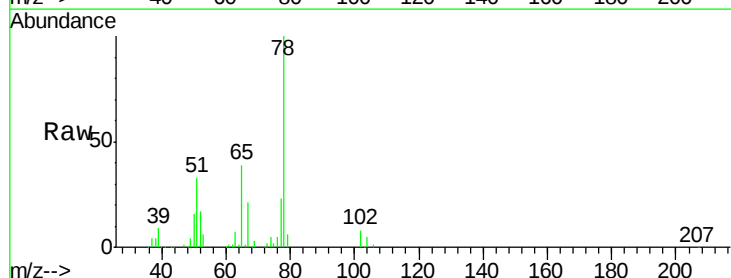
Manual Integrations
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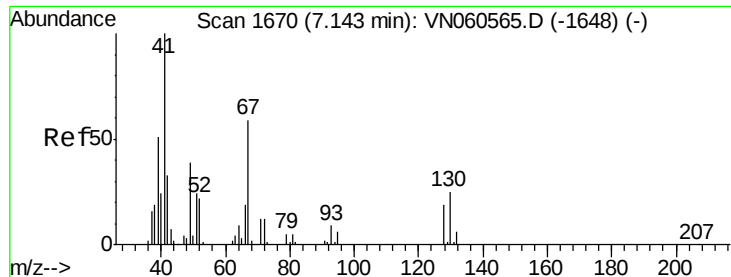
MMDadoda
4/15/2020 1:49:56 PM



#40
Benzene
Concen: 23.962 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	165599		
77	23.0	18.6	28.0	





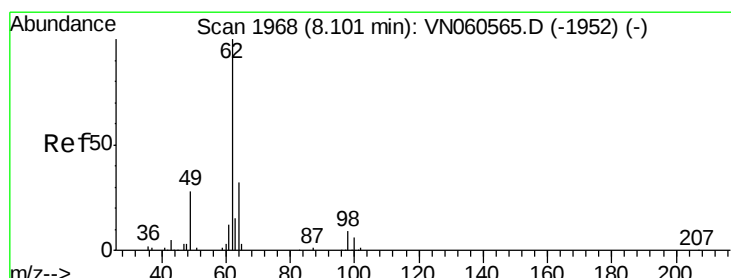
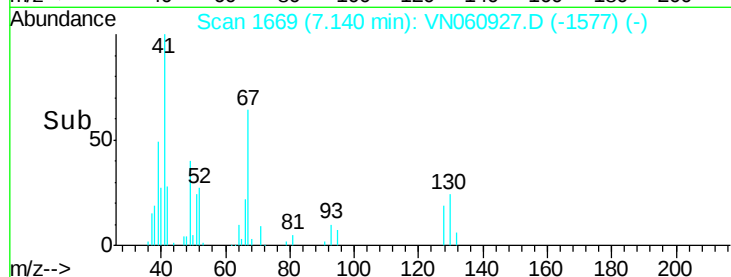
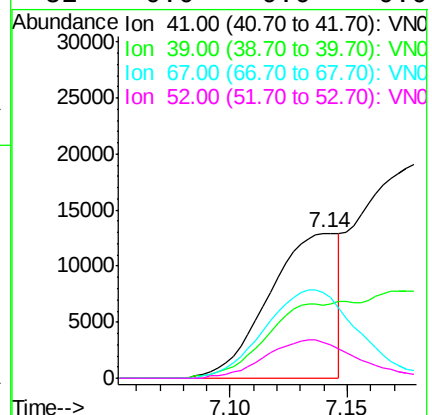
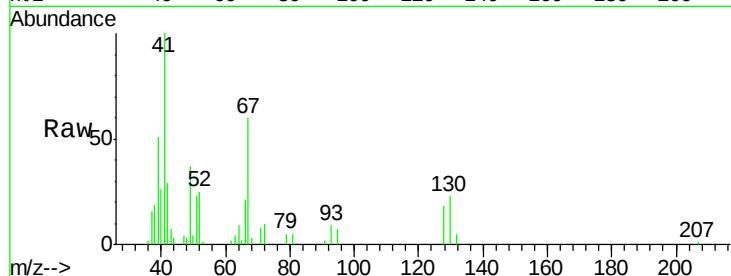
#41
Methacrylonitrile
Concen: 25.127 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

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

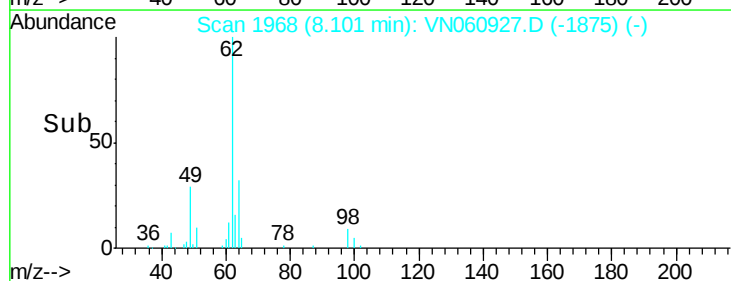
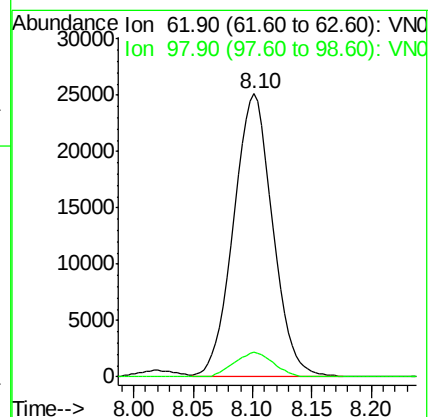
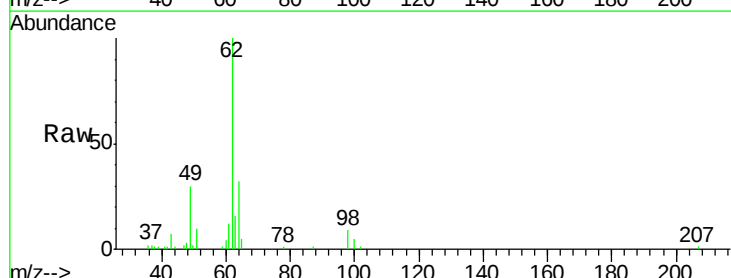
Manual Integrations
APPROVED

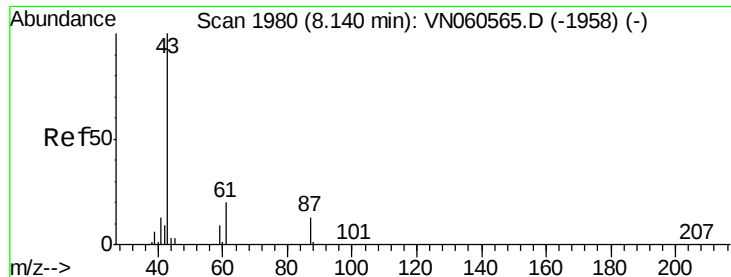
MMDadoda
4/15/2020 1:49:56 PM



#42
1,2-Dichloroethane
Concen: 24.277 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





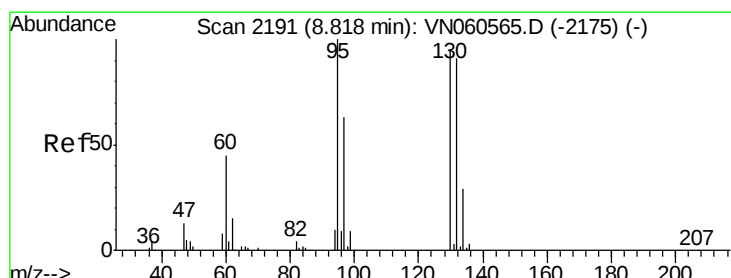
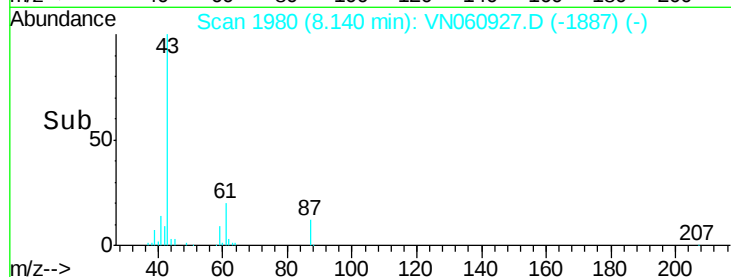
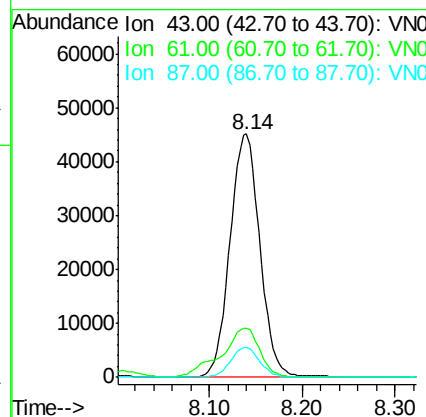
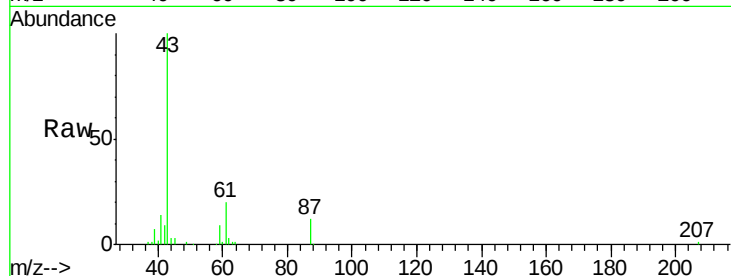
#43
Isopropyl Acetate
Concen: 24.764 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.7	31.1
87	11.9	9.8	14.8

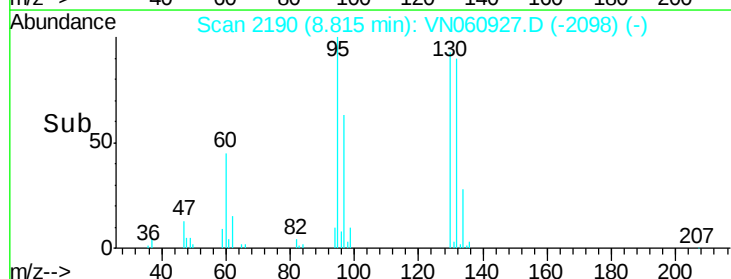
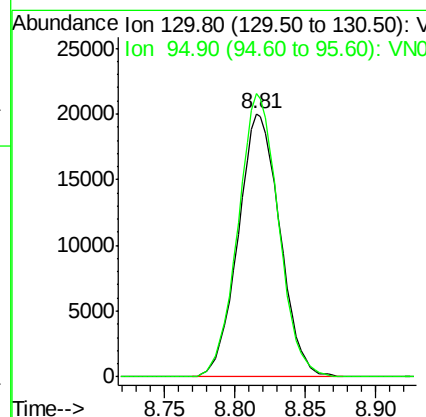
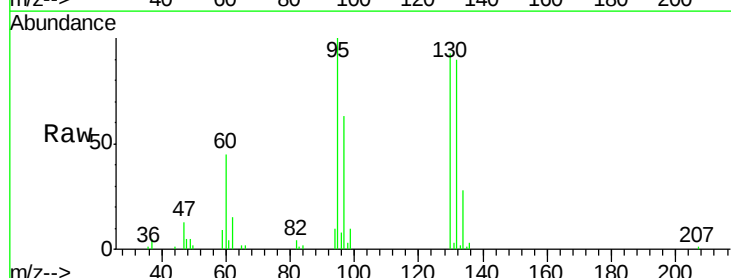
Manual Integrations
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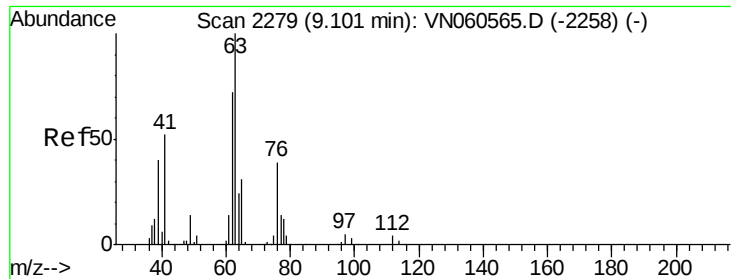
MMDadoda
4/15/2020 1:49:56 PM



#44
Trichloroethene
Concen: 23.734 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	211.2





#45

1,2-Dichloropropane

Concen: 25.559 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 63 Resp: 46607

Ion Ratio Lower Upper

63 100

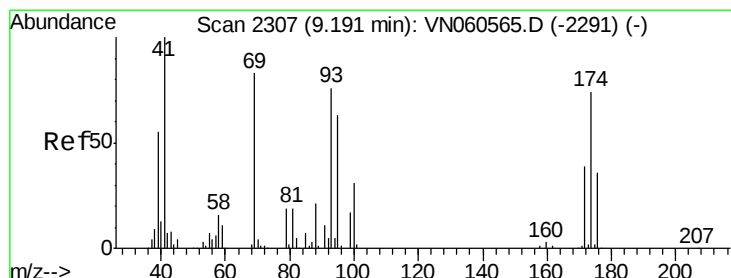
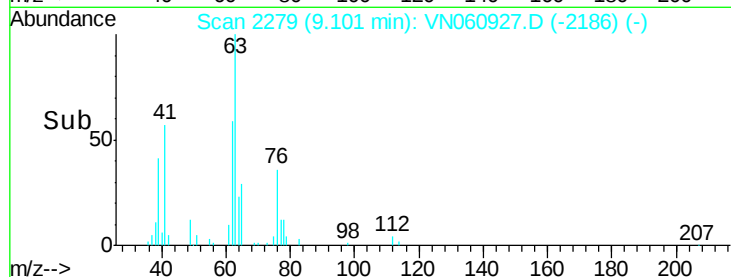
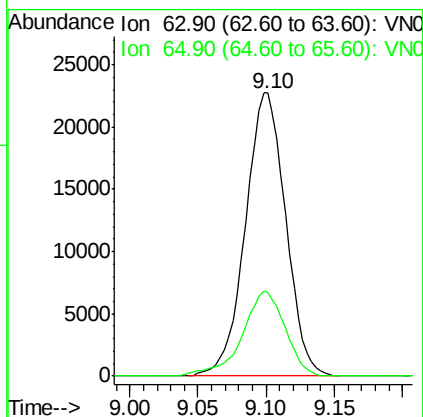
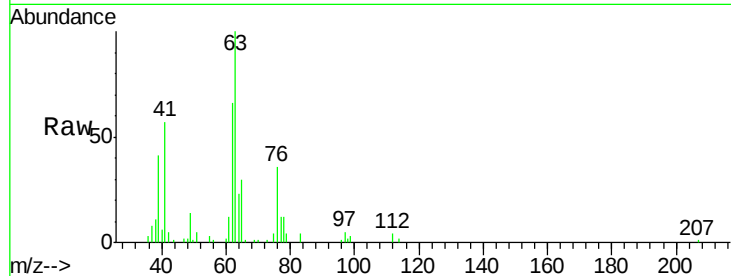
65 29.5 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 24.339 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

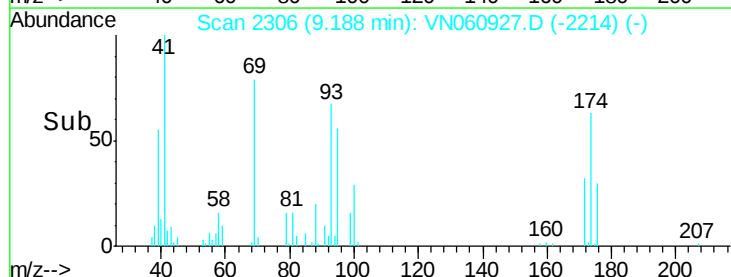
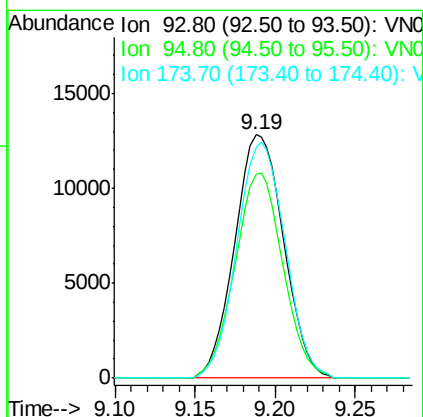
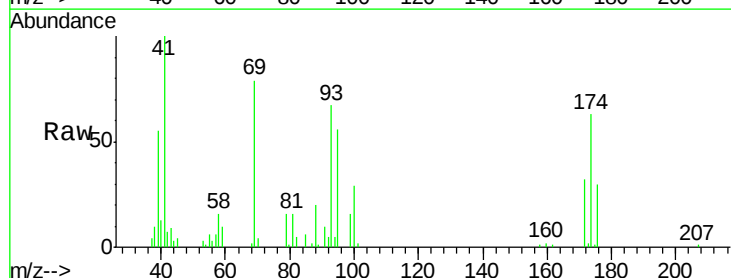
Tgt Ion: 93 Resp: 26832

Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

174 95.5 77.9 116.9





#47

Bromodichloromethane

Concen: 24.665 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

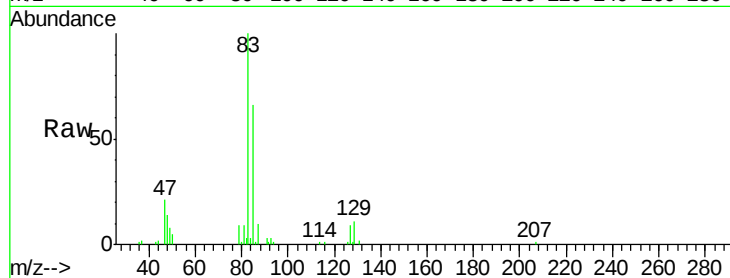
ClientSampleId :

VN0414WBSD01

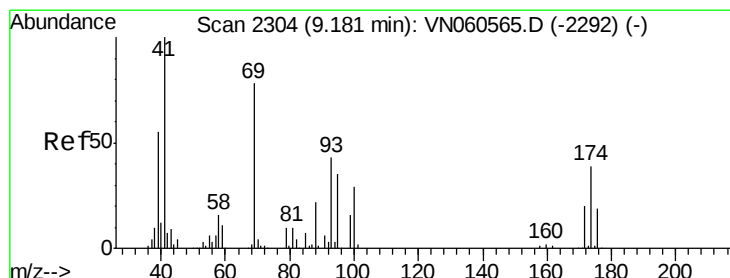
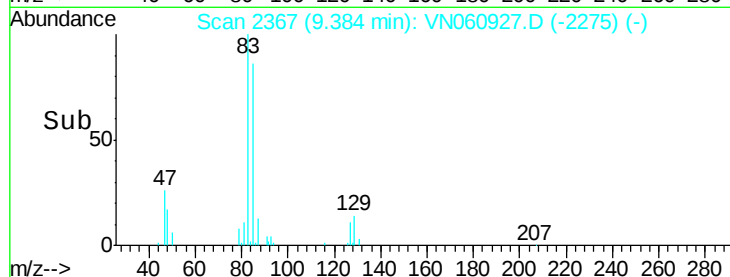
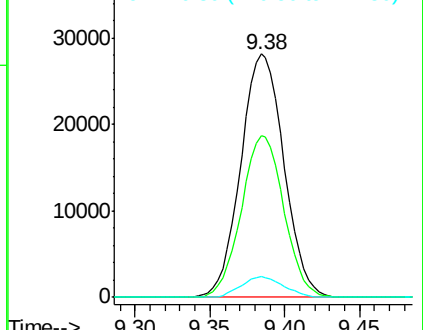
Tot Ion:	83	Resp:	56504
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.6
127	8.6	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060927.D (-2275) (-)



#48

Methyl methacrylate

Concen: 23.906 ug/l

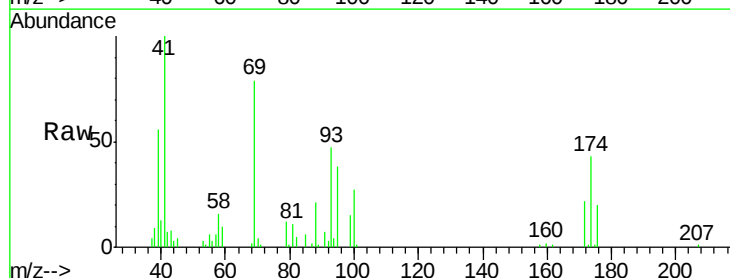
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

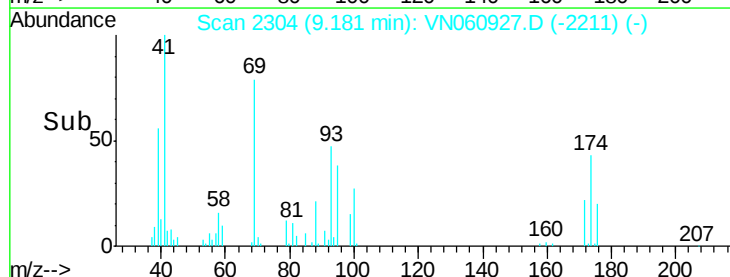
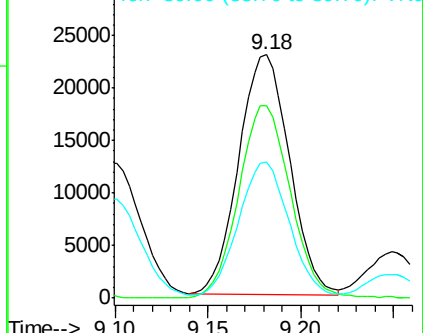
Lab File: VN060927.D

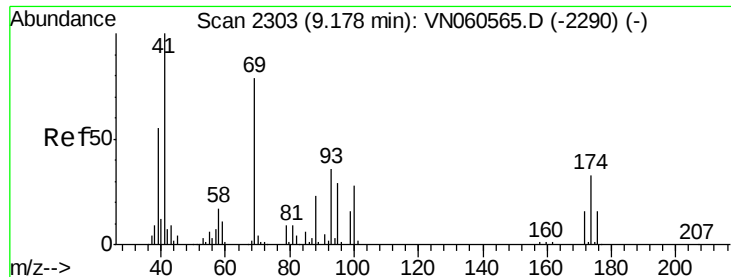
Acq: 14 Apr 2020 12:52

Tgt Ion:	41	Resp:	43420
Ion	Ratio	Lower	Upper
41	100		
69	81.9	65.4	98.0
39	57.6	44.0	66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060927.D (-2211) (-)





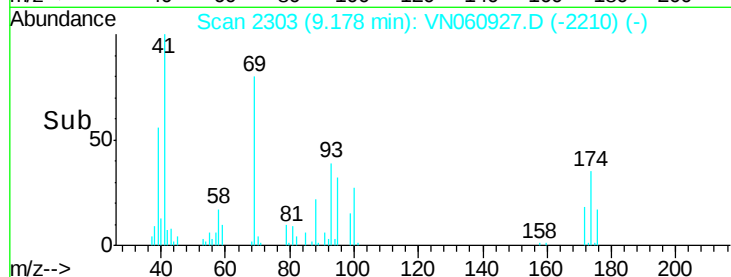
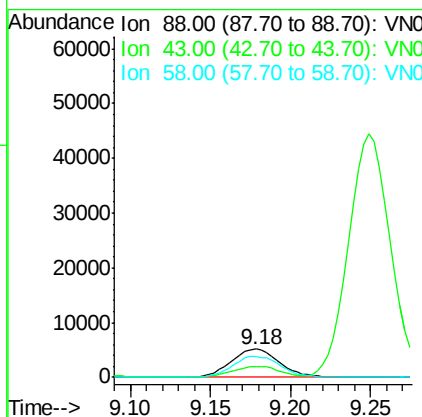
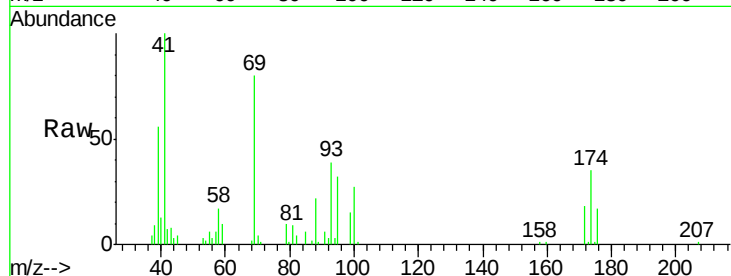
#49
1,4-Dioxane
Concen: 491.734 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.6		30.8	46.2
58	72.9		59.8	89.8

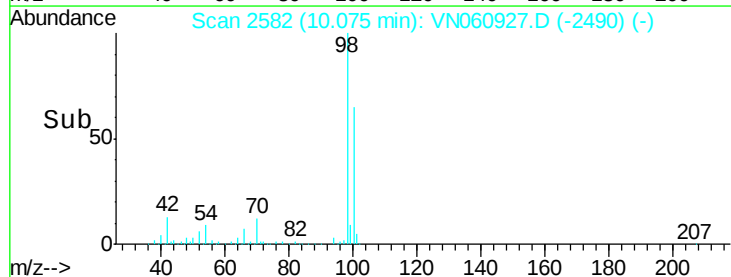
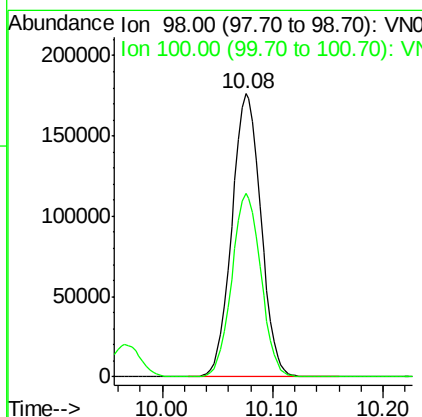
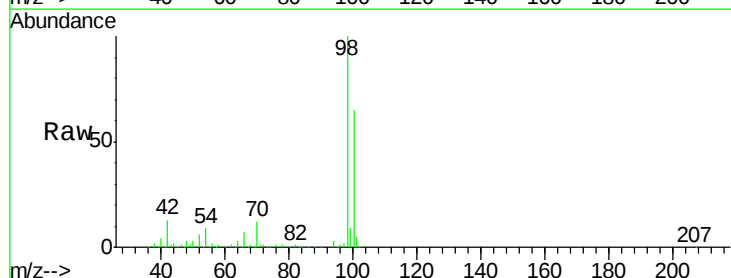
Manual Integrations
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#50
Toluene-d8
Concen: 55.080 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.9		51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 126.077 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0414WBSD01

Tot Ion: 43 Resp: 292676

Ion Ratio Lower Upper

43 100

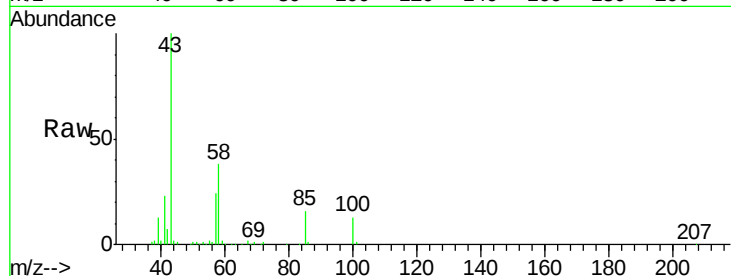
58 37.5 30.8 46.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060927.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060927.D (-2456) (-)

9.97

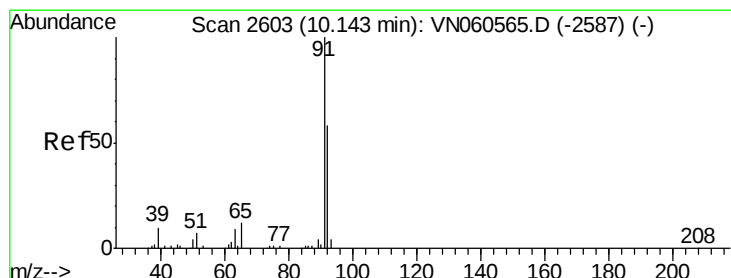
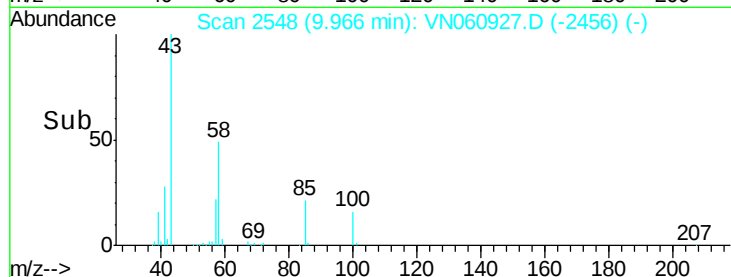
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 23.838 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060927.D

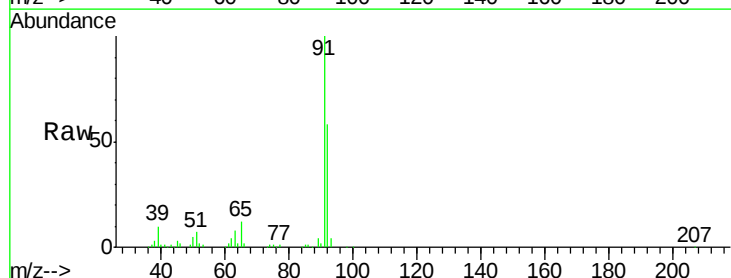
Acq: 14 Apr 2020 12:52

Tgt Ion: 92 Resp: 99493

Ion Ratio Lower Upper

92 100

91 173.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060927.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060927.D (-2510) (-)

10.14

100000

80000

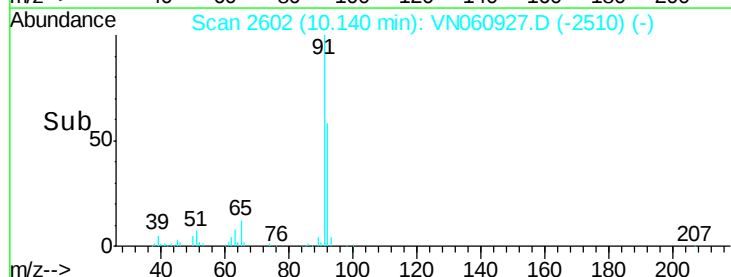
60000

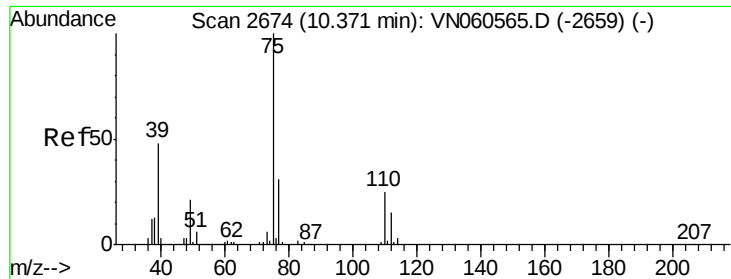
40000

20000

0

Time-->





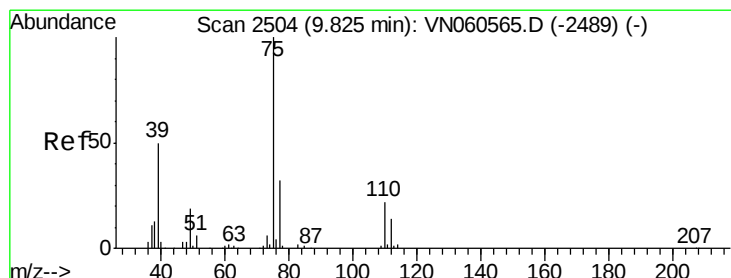
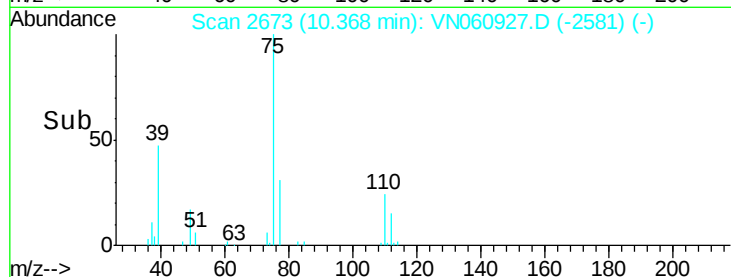
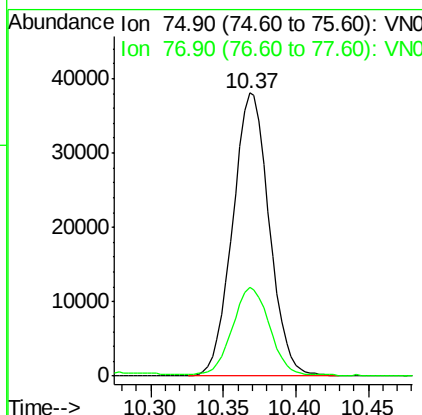
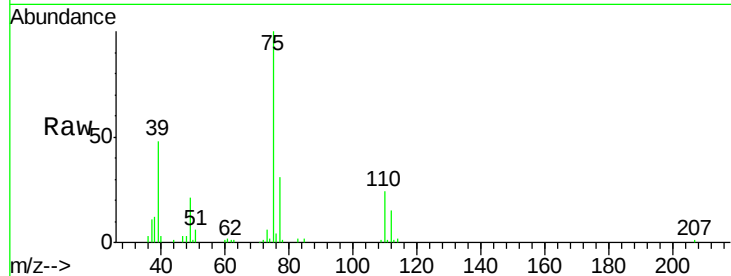
#53
t-1,3-Dichloropropene
Concen: 25.411 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion: 75 Resp: 66868
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7

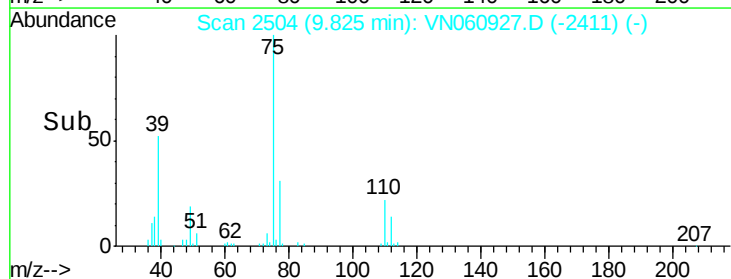
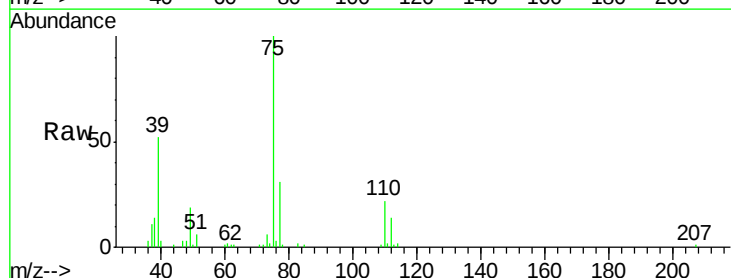
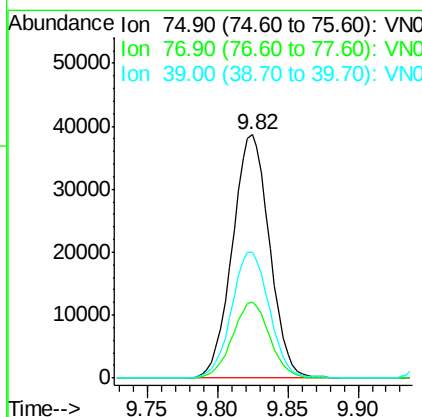
Manual Integrations
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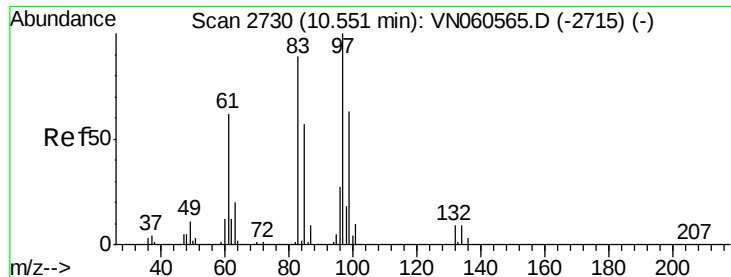
MMDadoda
4/15/2020 1:49:56 PM



#54
cis-1,3-Dichloropropene
Concen: 24.690 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 75 Resp: 71276
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0
39 51.9 40.2 60.4





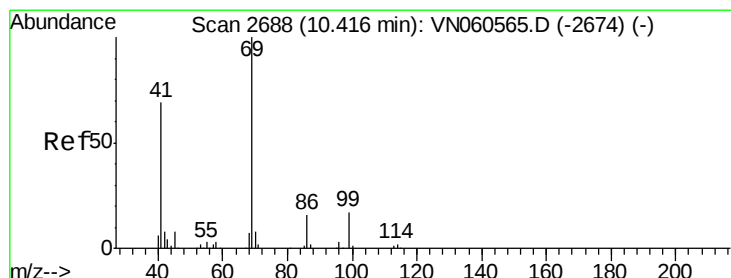
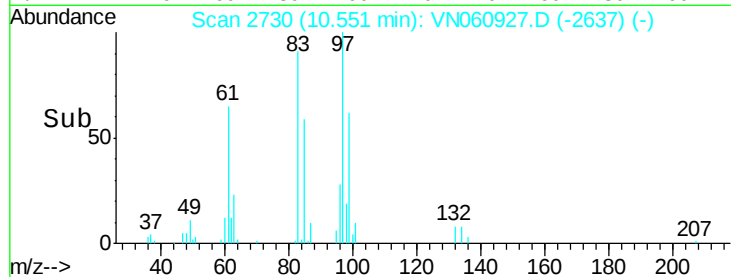
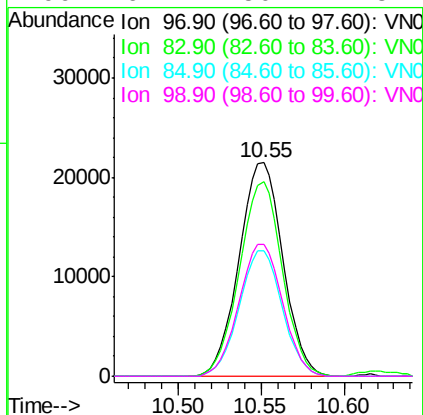
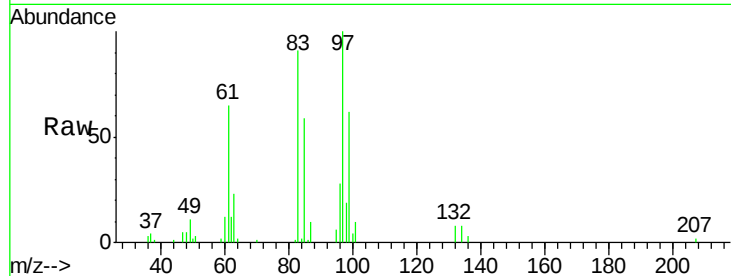
#55
 1,1,2-Trichloroethane
 Concen: 24.592 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Tot Ion:	97	Resp:	39486
Ion	Ratio	Lower	Upper
97	100		
83	90.9	71.3	106.9
85	58.8	45.2	67.8
99	61.7	50.1	75.1

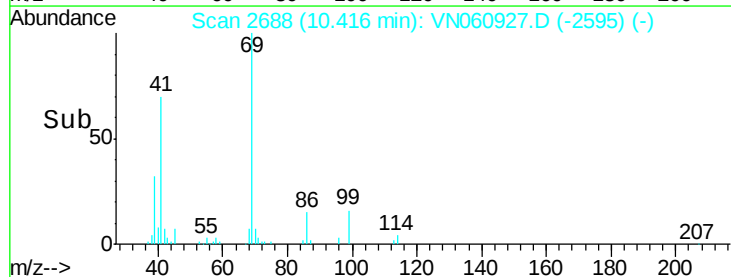
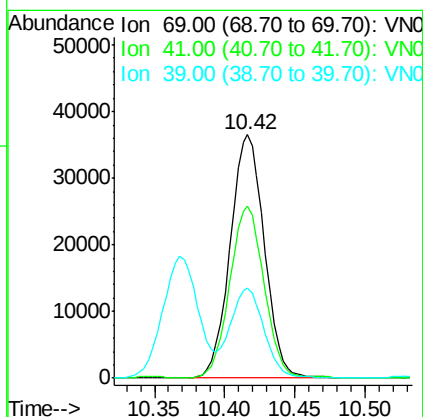
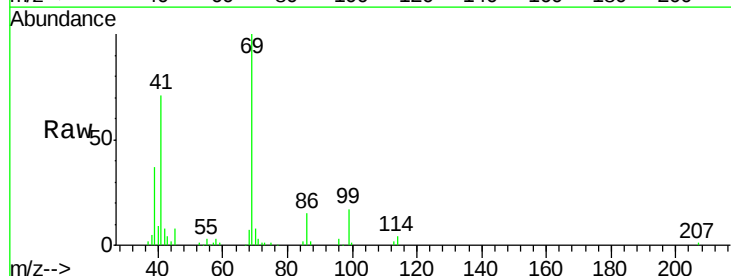
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 24.691 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion:	69	Resp:	61816
Ion	Ratio	Lower	Upper
69	100		
41	71.3	55.4	83.2
39	36.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 24.473 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 76 Resp: 68189

Ion Ratio Lower Upper

76 100

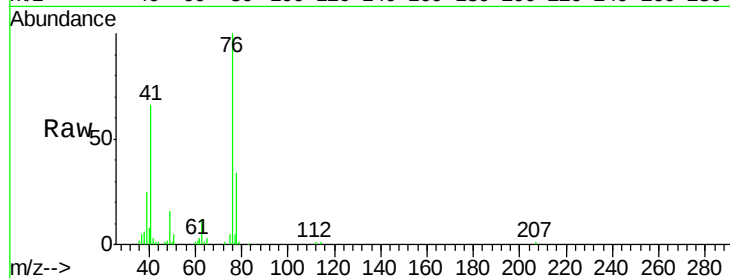
78 33.0 25.8 38.6

Manual Integrations

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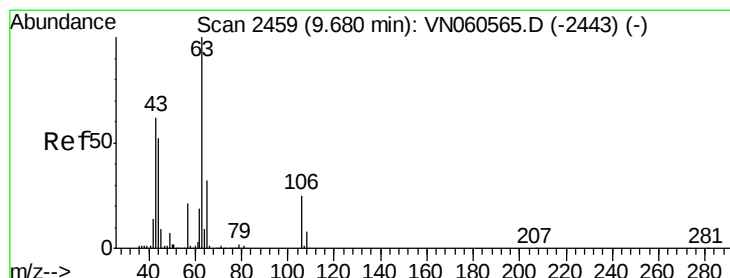
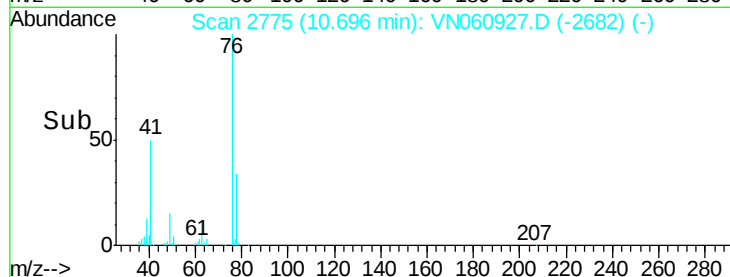
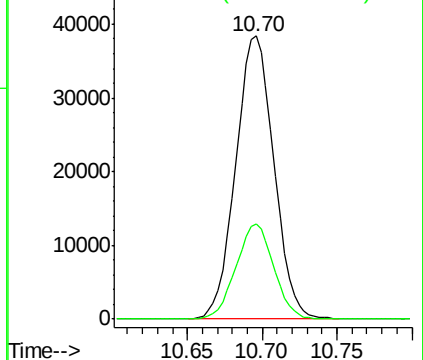
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.270 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060927.D

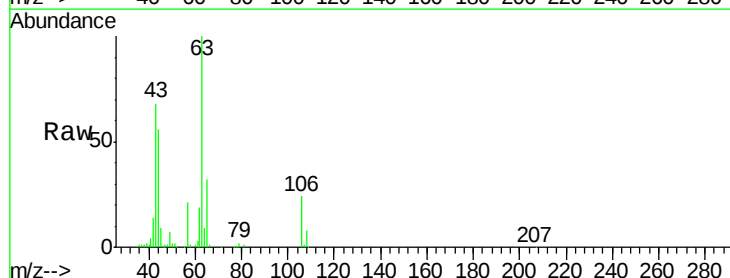
Acq: 14 Apr 2020 12:52

Tgt Ion: 63 Resp: 118546

Ion Ratio Lower Upper

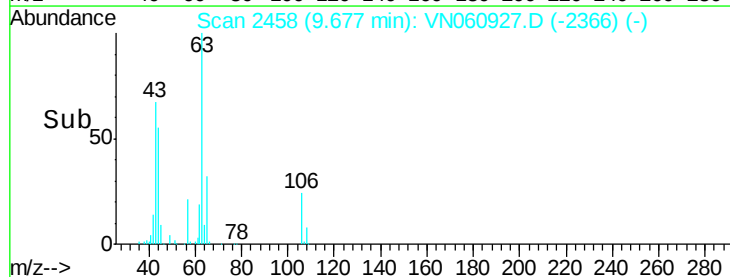
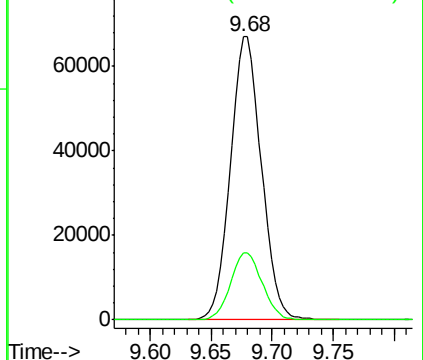
63 100

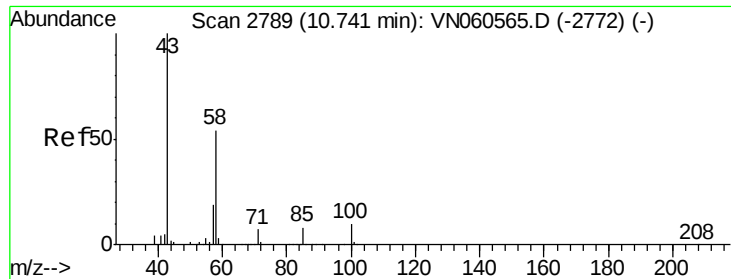
106 24.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





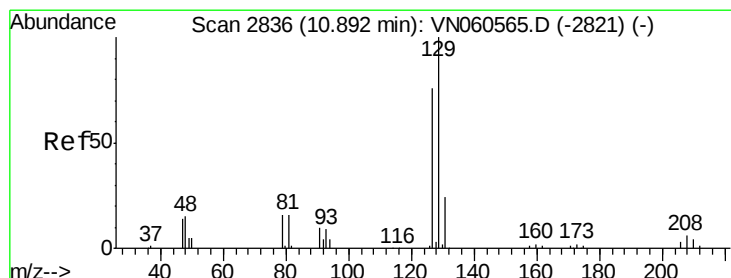
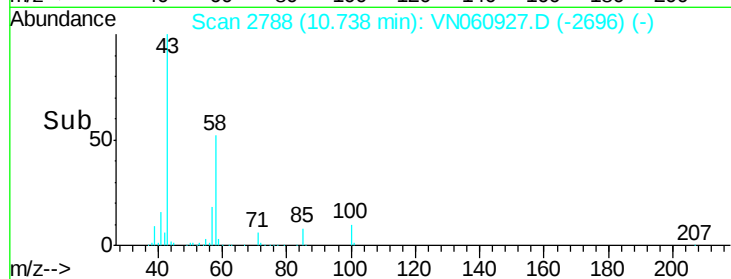
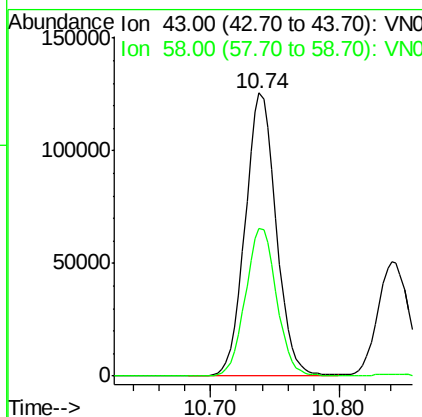
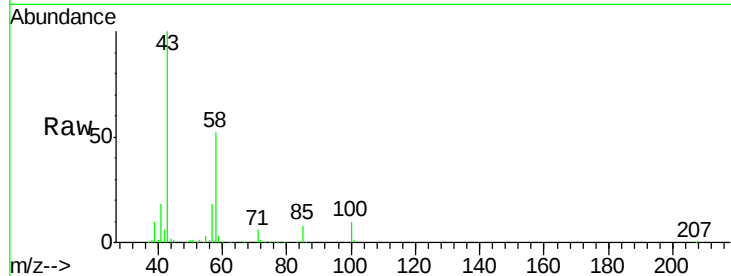
#59
2-Hexanone
Concen: 125.865 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion: 43 Resp: 210475
Ion Ratio Lower Upper
43 100
58 52.6 26.7 80.1

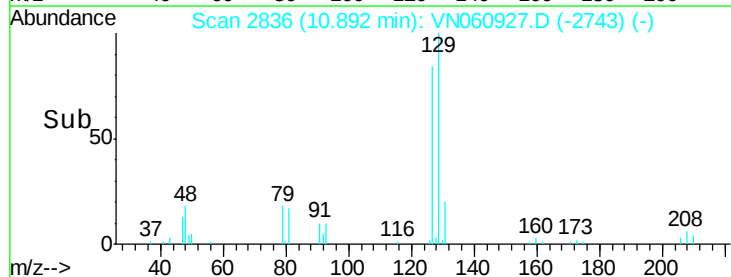
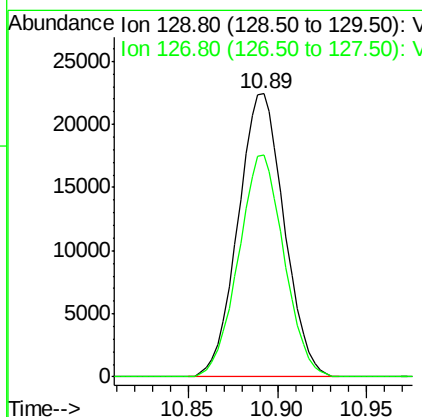
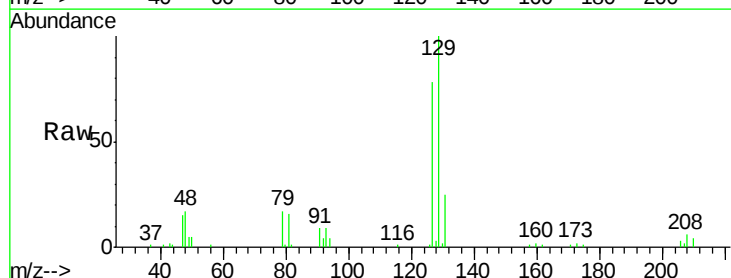
Manual Integrations
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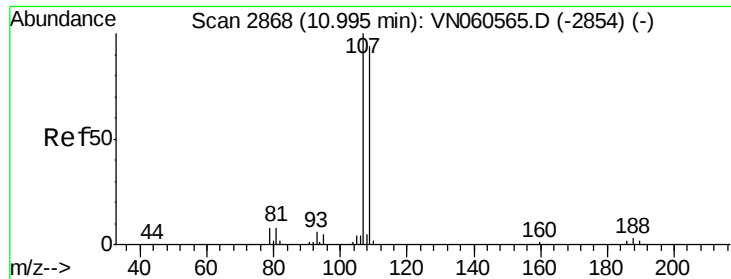
MMDadoda
4/15/2020 1:49:56 PM



#60
Dibromochloromethane
Concen: 24.412 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 129 Resp: 40489
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





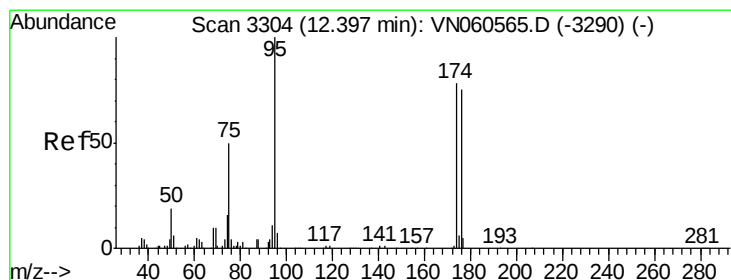
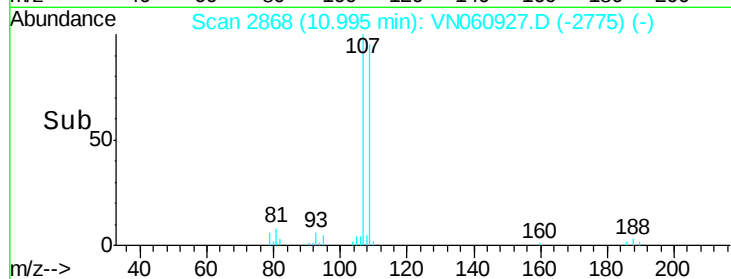
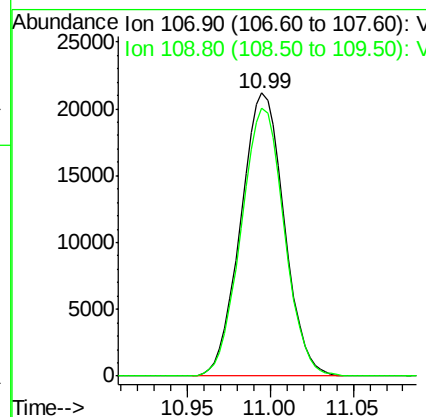
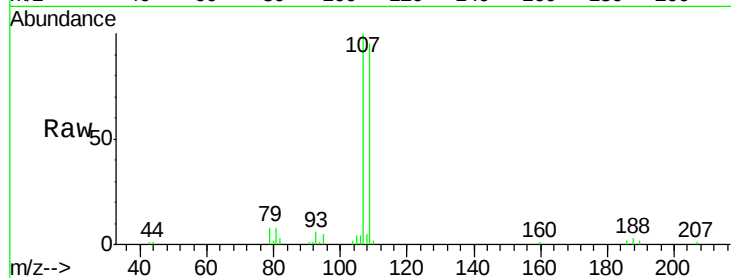
#61
 1,2-Dibromoethane
 Concen: 23.884 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.2

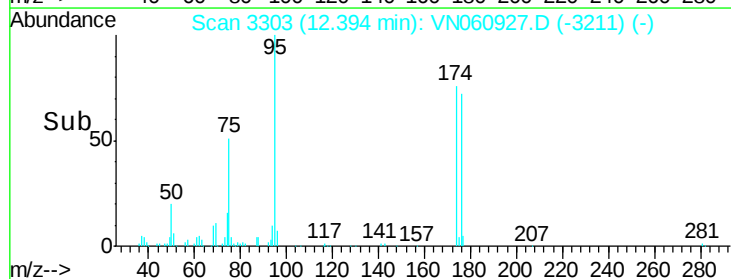
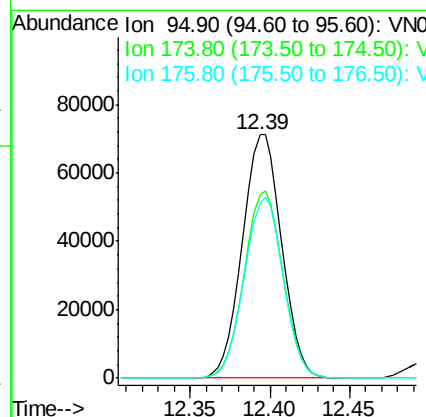
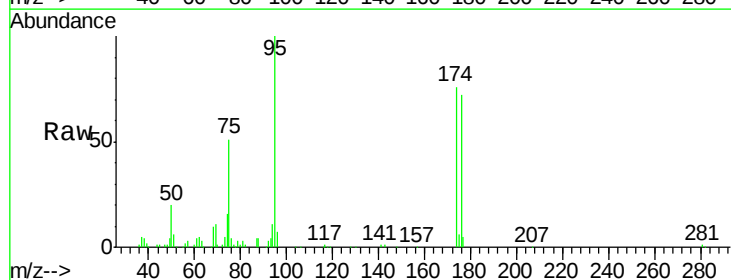
Manual Integrations
 APPROVED

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#62
 4-Bromofluorobenzene
 Concen: 55.632 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	157.6
176	73.2	0.0	150.6





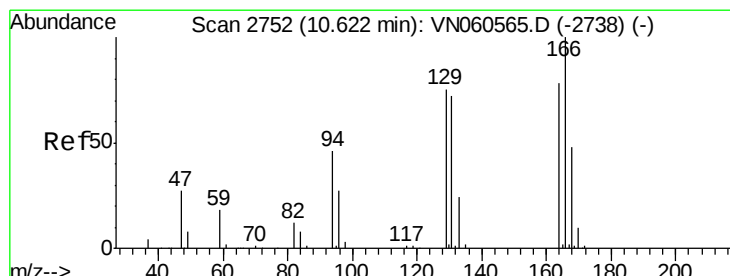
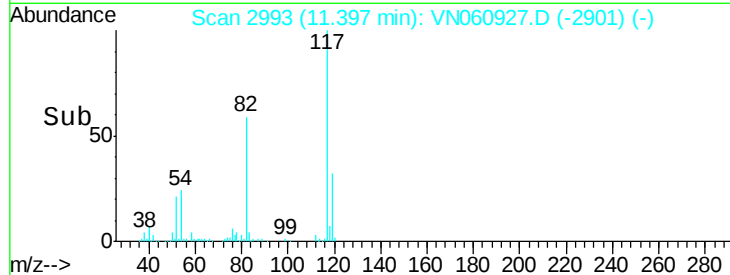
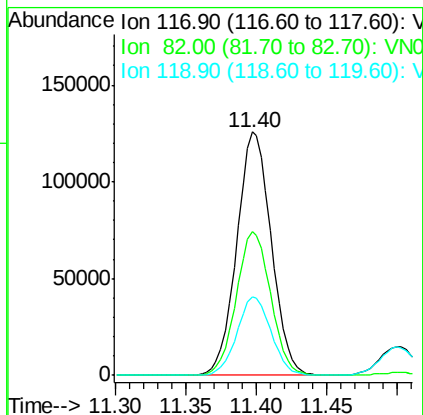
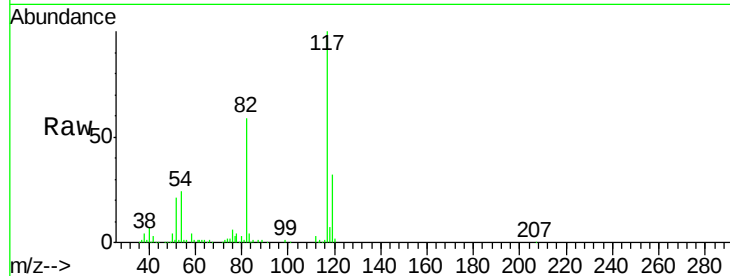
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.7	70.1
119	32.3	25.5	38.3

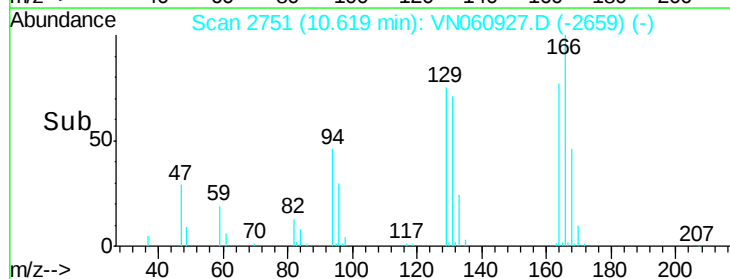
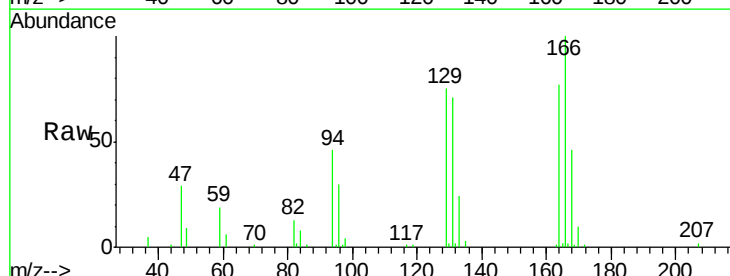
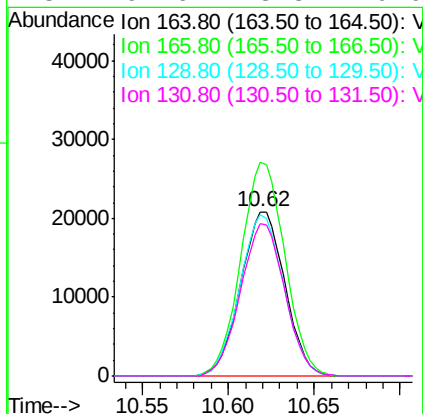
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 21.896 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.7	154.1
129	97.8	77.2	115.8
131	92.6	73.8	110.6





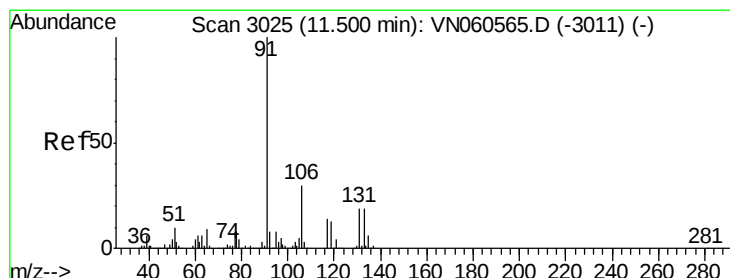
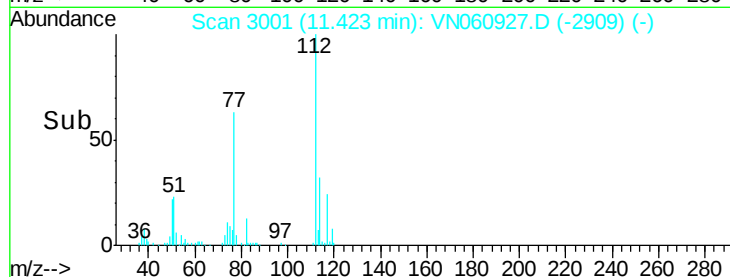
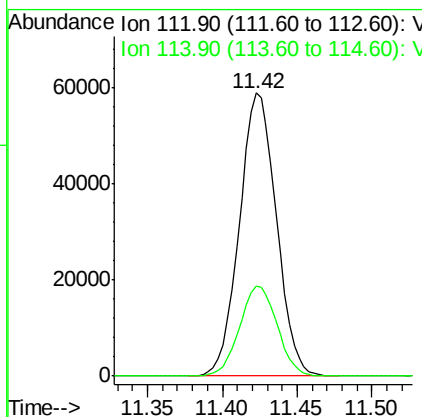
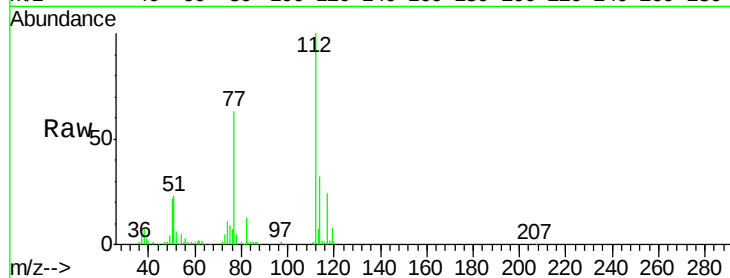
#65
Chlorobenzene
Concen: 23.787 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6

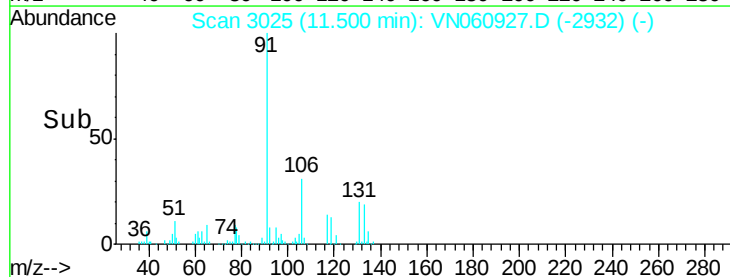
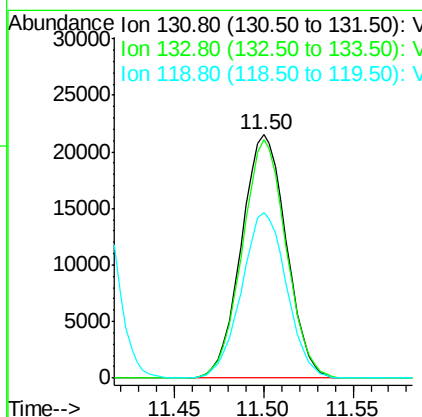
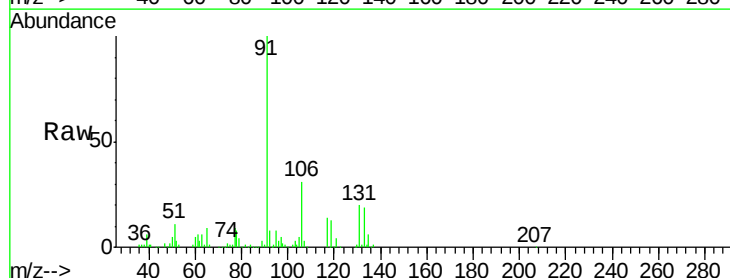
Manual Integrations
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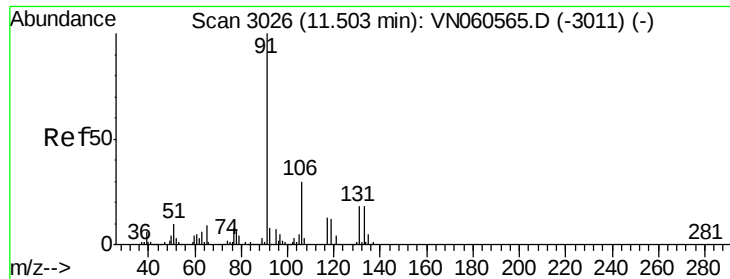
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.425 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.9	146.8
119	68.1	33.9	101.7





#67

Ethyl Benzene

Concen: 24.088 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0414WBSD01

Tot Ion: 91 Resp: 191258

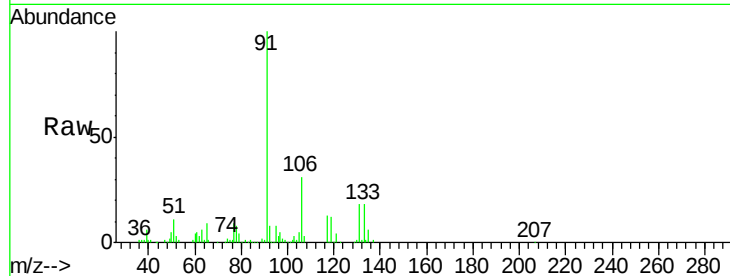
Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2

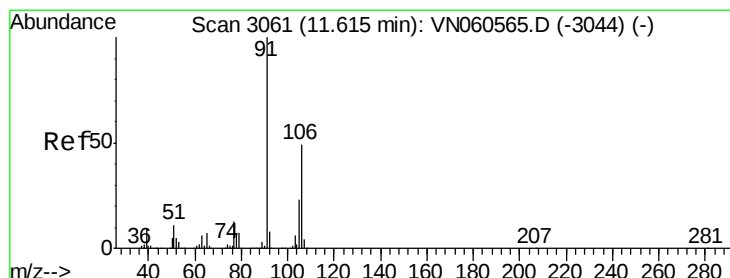
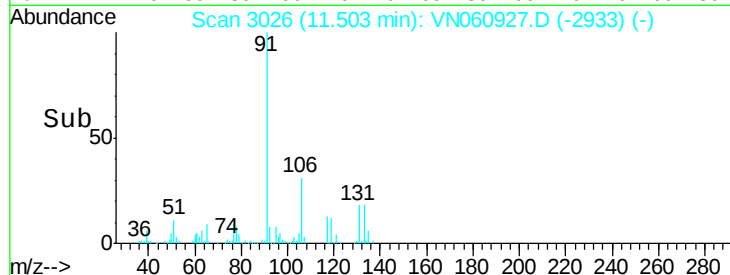
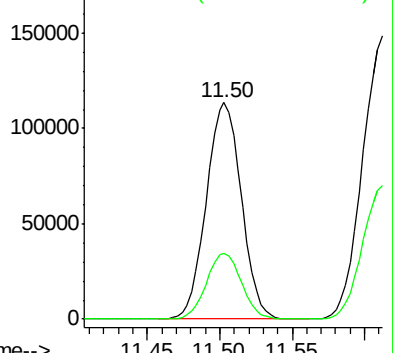
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN060927.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060927.D (-2933) (-)



#68

m/p-Xylenes

Concen: 47.115 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060927.D

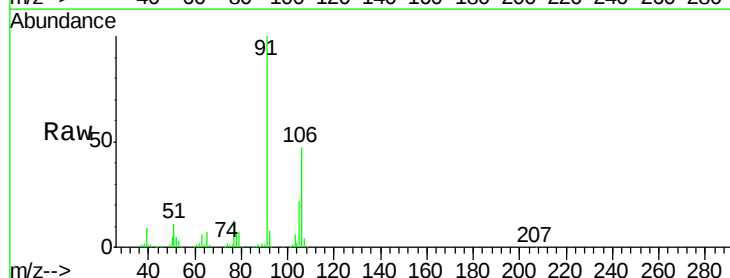
Acq: 14 Apr 2020 12:52

Tgt Ion: 106 Resp: 139015

Ion Ratio Lower Upper

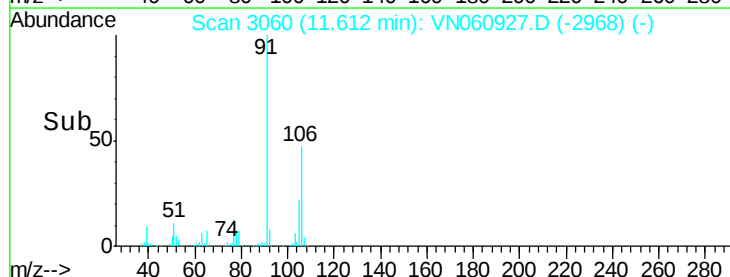
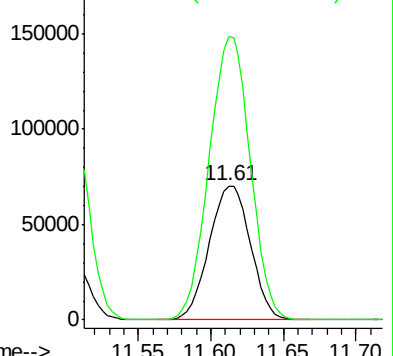
106 100

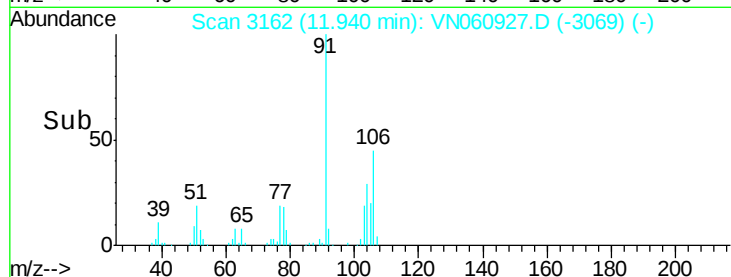
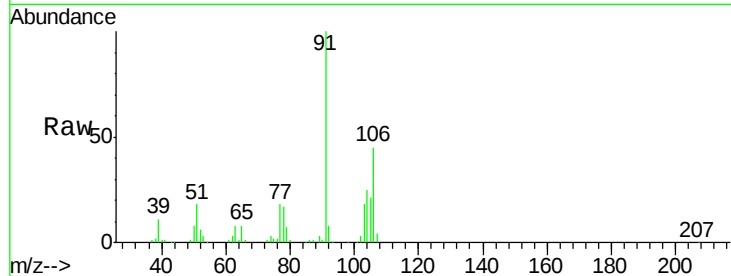
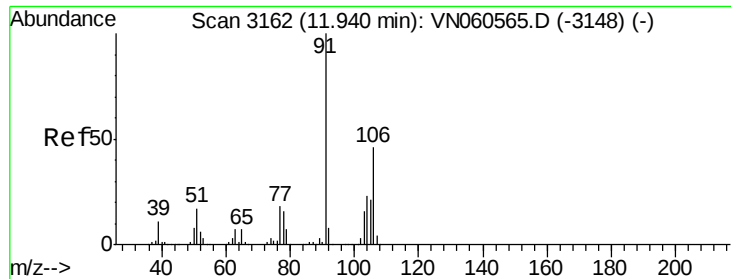
91 210.7 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060927.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060927.D (-2968) (-)





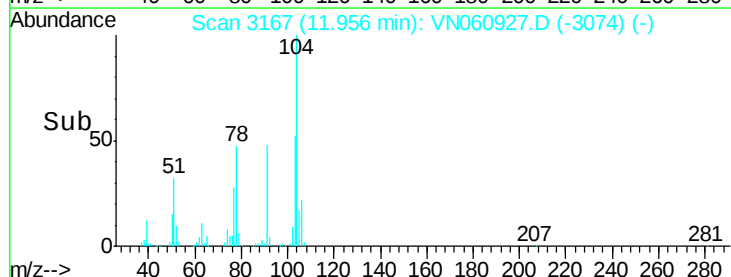
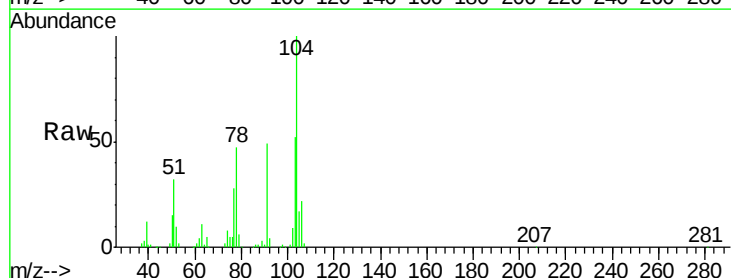
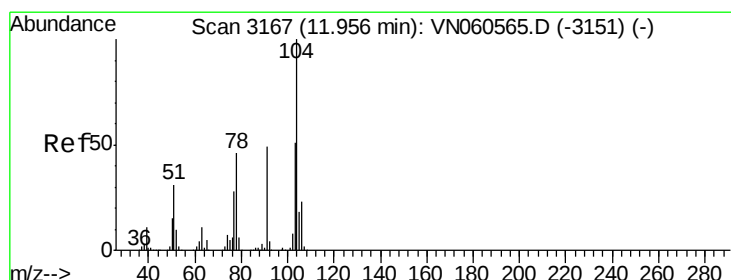
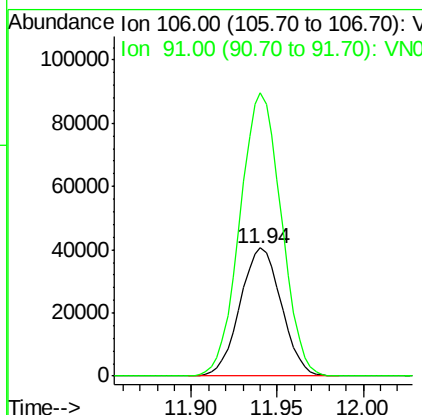
#69
o-Xylene
Concen: 24.151 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tot Ion:106 Resp: 68025
Ion Ratio Lower Upper
106 100
91 220.3 109.5 328.4

Instrument :
MSVOA_N
ClientSampled :
VN0414WBSD01

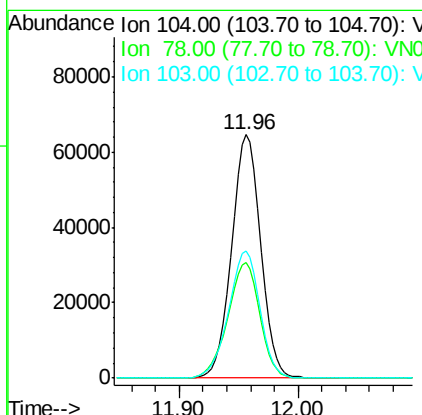
Manual Integrations
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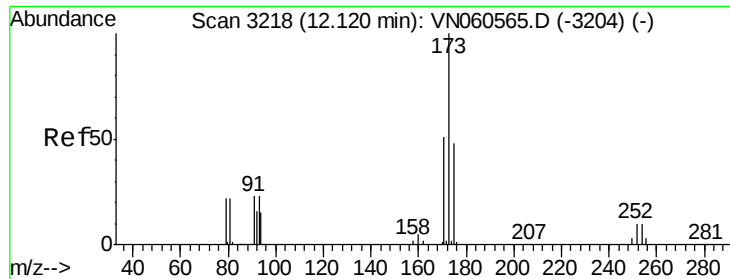
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#70
Styrene
Concen: 23.795 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion:104 Resp: 109614
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 56.1 44.0 66.0





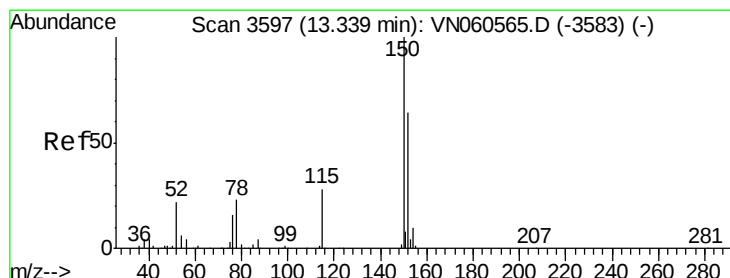
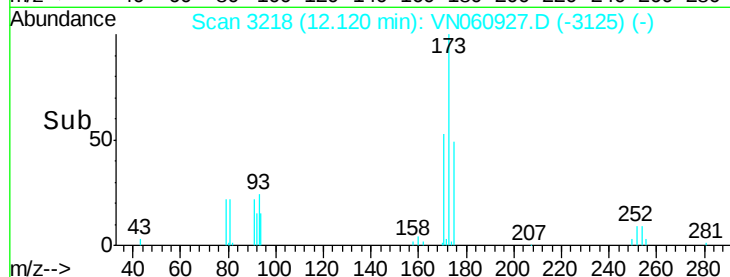
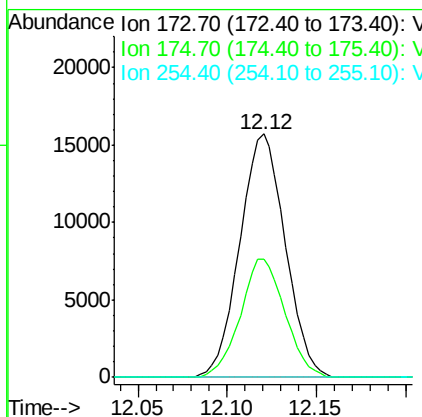
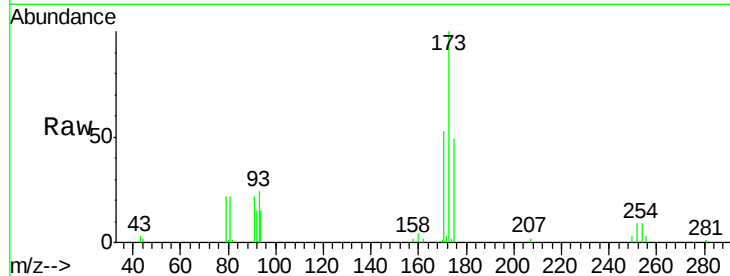
#71
Bromoform
Concen: 22.686 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.1	72.4
254	0.0	0.0	0.0

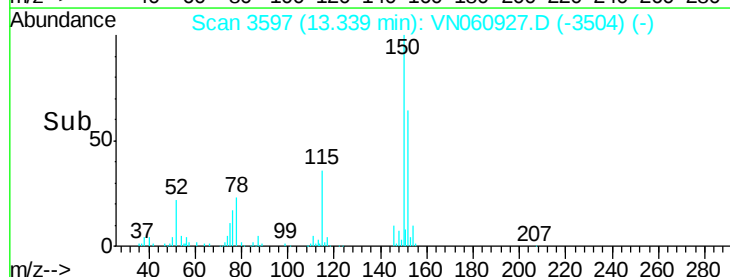
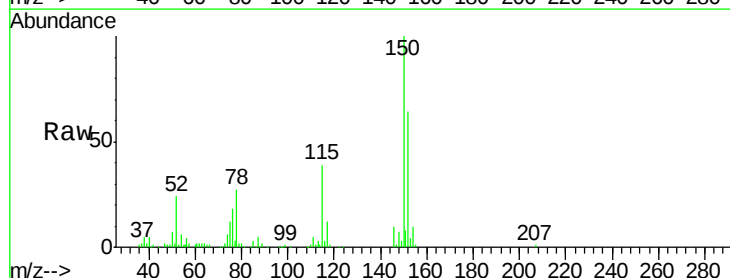
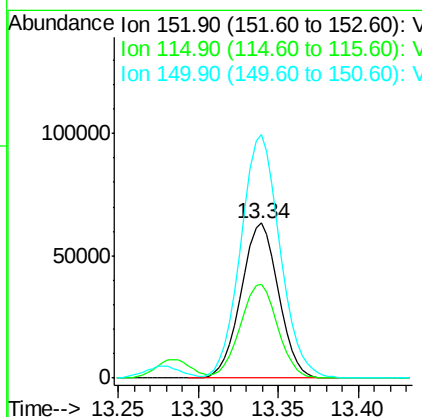
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.2	90.6
150	165.2	0.0	350.2





#73

Isopropylbenzene

Concen: 24.349 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 105 Resp: 184294

Ion Ratio Lower Upper

105 100

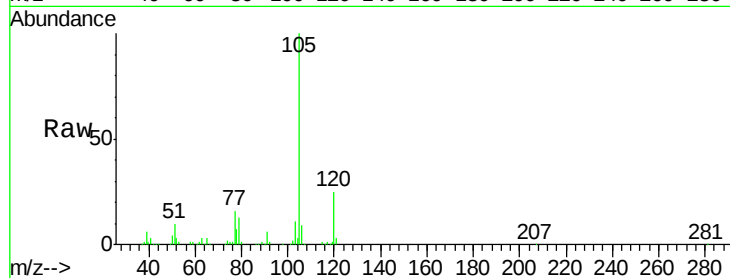
120 25.5 13.1 39.1

Manual Integrations

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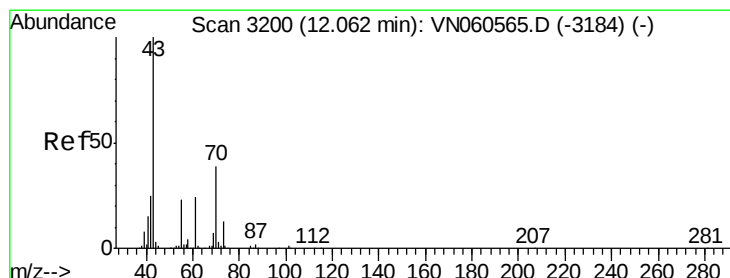
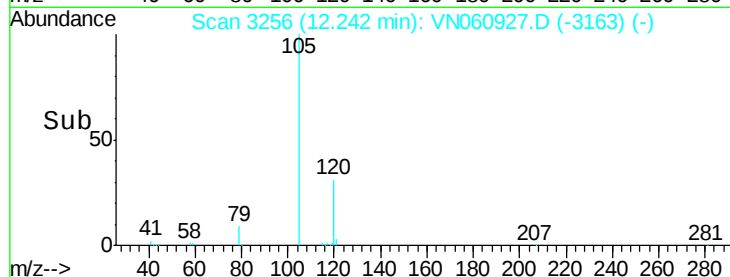
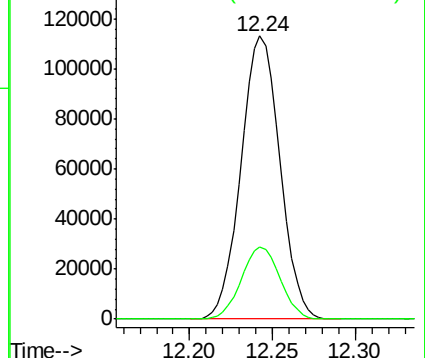
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.678 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Tgt Ion: 43 Resp: 82814

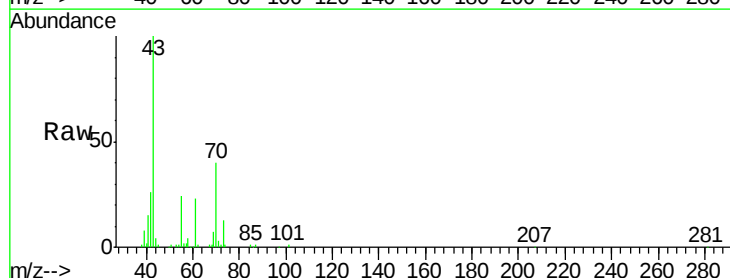
Ion Ratio Lower Upper

43 100

70 39.0 31.1 46.7

55 24.0 18.6 27.8

61 23.4 18.9 28.3

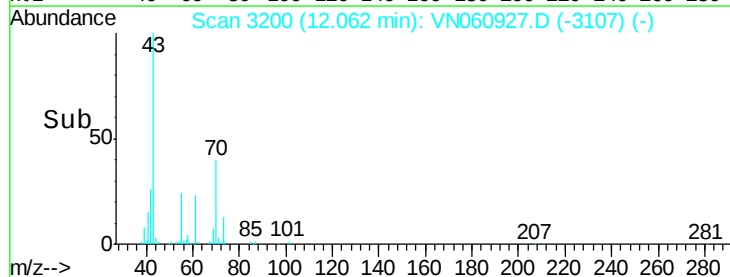
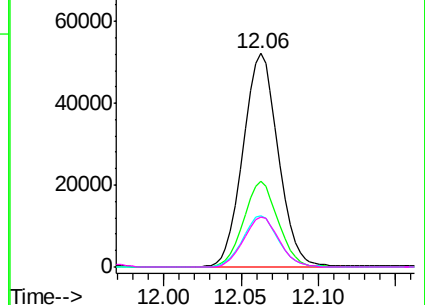


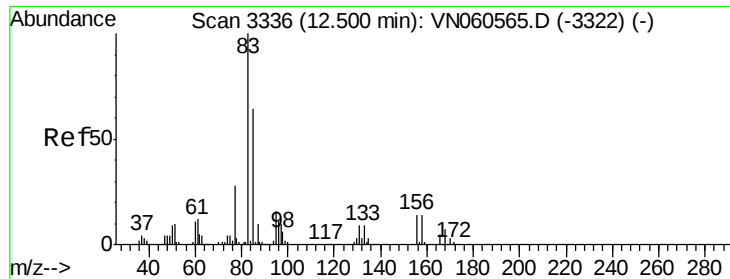
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN





#75

1,1,2,2-Tetrachloroethane

Concen: 24.935 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

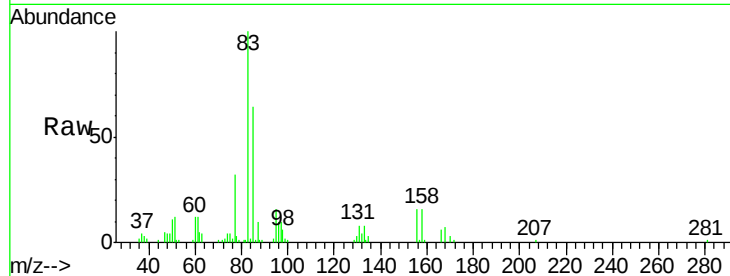
ClientSampleId :

VN0414WBSD01

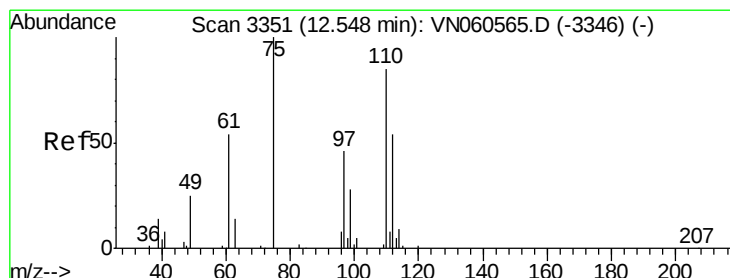
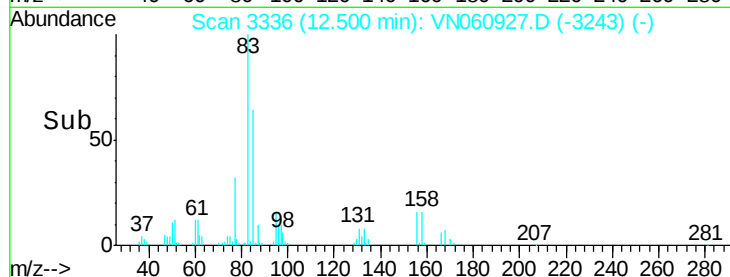
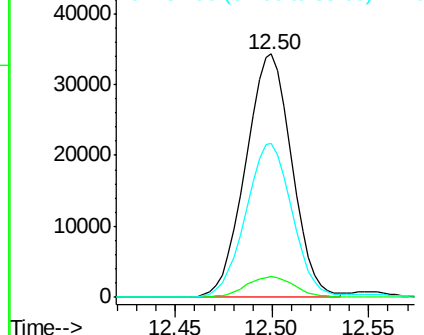
Tot Ion:	83	Resp:	57074
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.9	14.7
85	63.6	32.5	97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060927.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 20.947 ug/l m

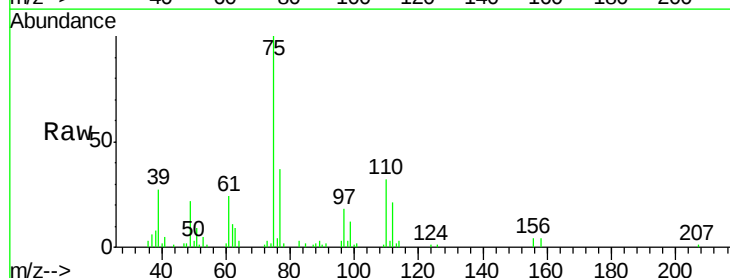
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

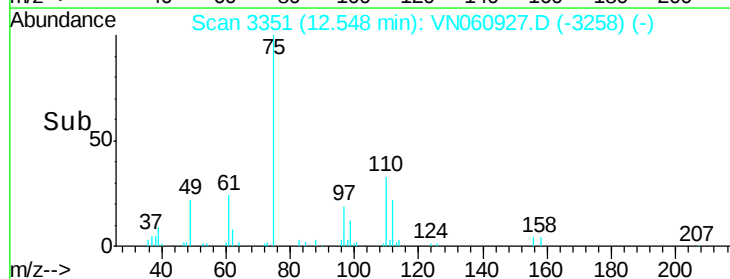
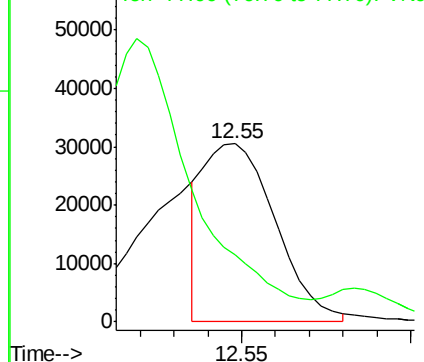
Lab File: VN060927.D

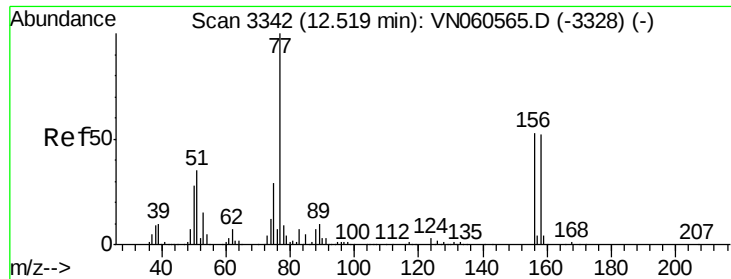
Acq: 14 Apr 2020 12:52

Tgt Ion:	75	Resp:	45587
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060927.D (-3258) (-)





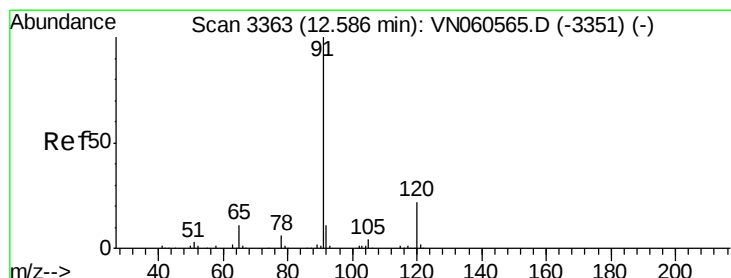
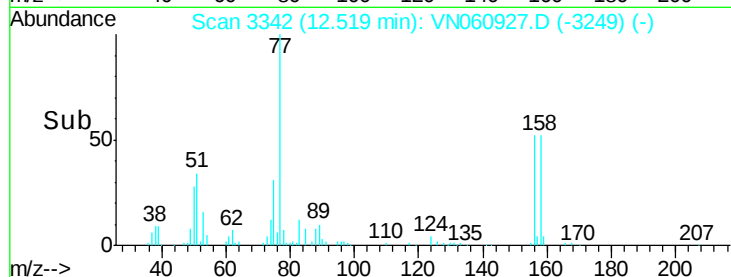
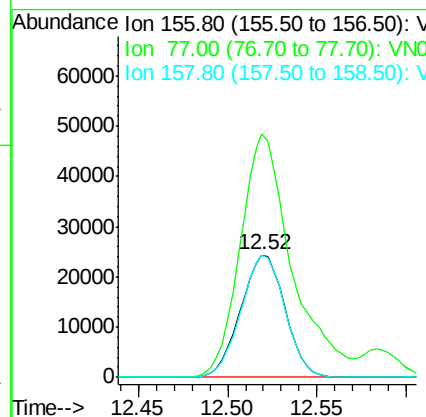
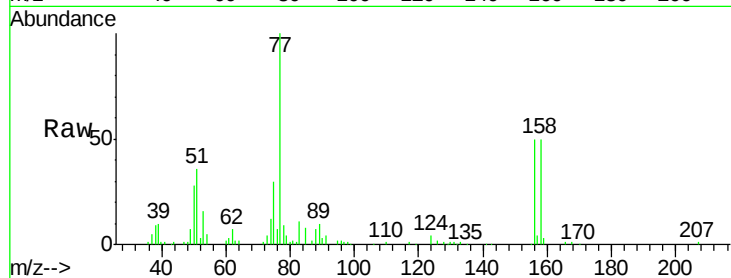
#77
Bromobenzene
Concen: 23.066 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	233.1	112.3	337.0
158	99.2	48.6	145.8

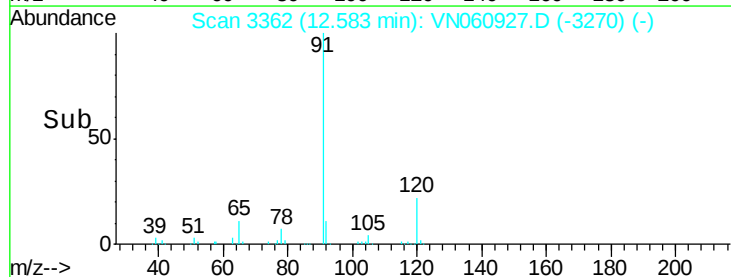
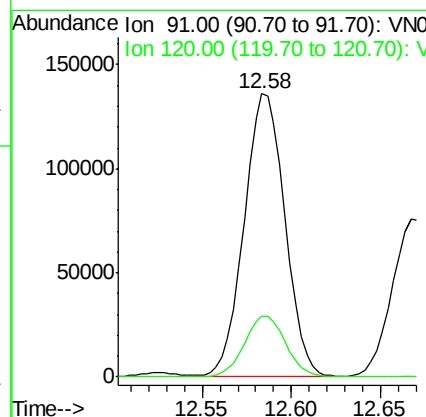
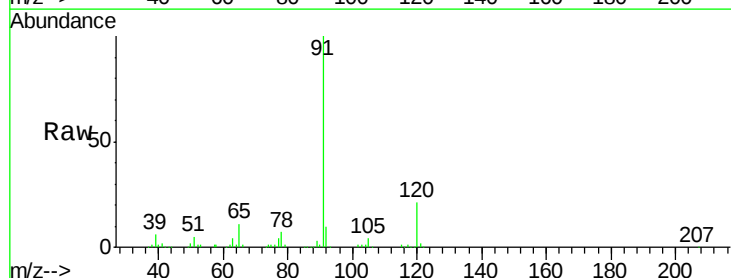
Manual Integrations
APPROVED

MMDadoda
4/15/2020 1:49:56 PM



#78
n-propylbenzene
Concen: 24.126 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.3	33.8





#79

2-Chlorotoluene

Concen: 23.623 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0414WBSD01

Tot Ion: 91 Resp: 126216

Ion Ratio Lower Upper

91 100

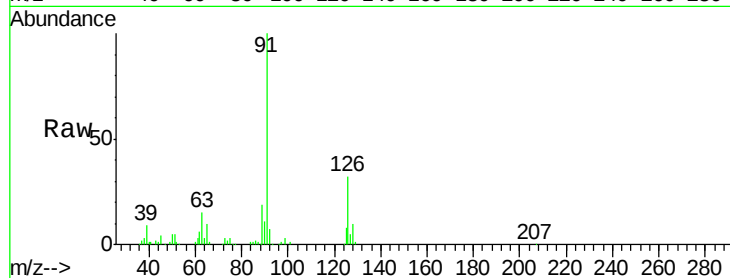
126 32.6 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060927.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060927.D (-3296) (-)

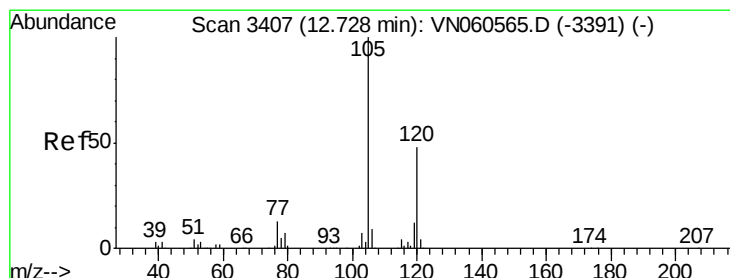
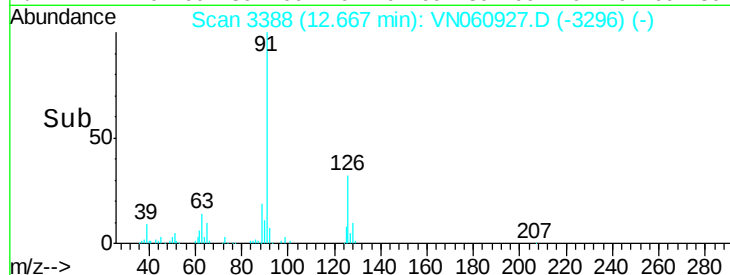
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 24.050 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060927.D

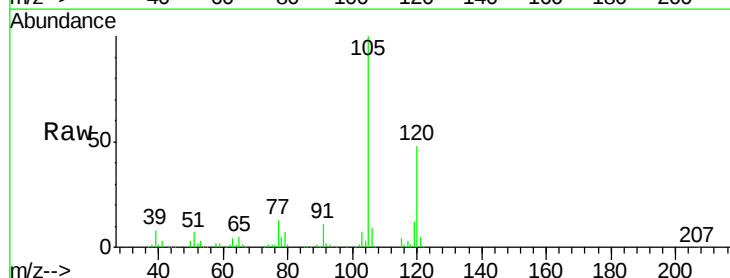
Acq: 14 Apr 2020 12:52

Tgt Ion: 105 Resp: 154475

Ion Ratio Lower Upper

105 100

120 47.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060927.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060927.D (-3314) (-)

100000

80000

60000

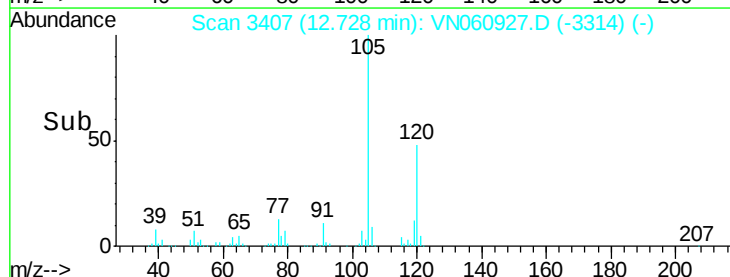
40000

20000

0

12.65 12.70 12.75 12.80

Time-->





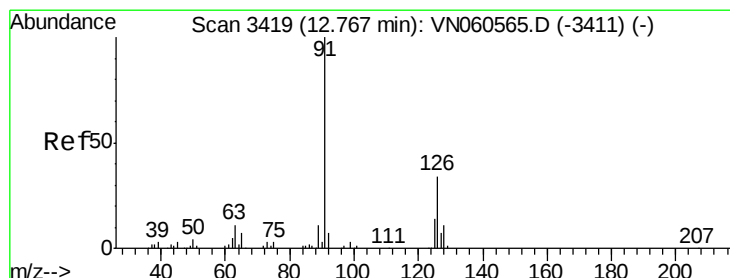
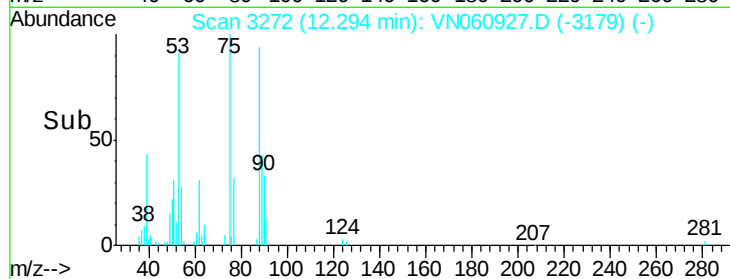
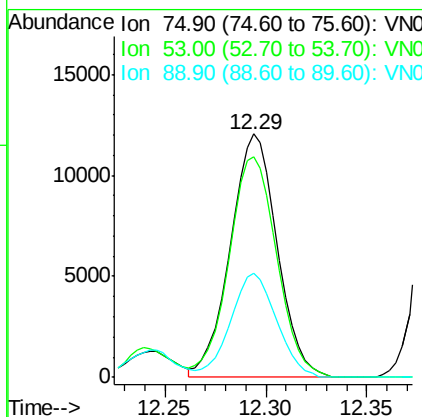
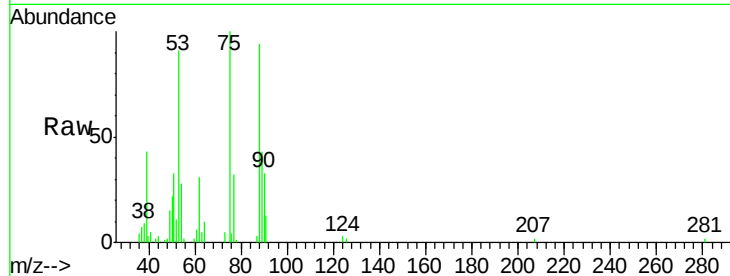
#81
trans-1,4-Dichloro-2-butene
Concen: 23.129 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	73.0	109.4
89	41.8	34.8	52.2

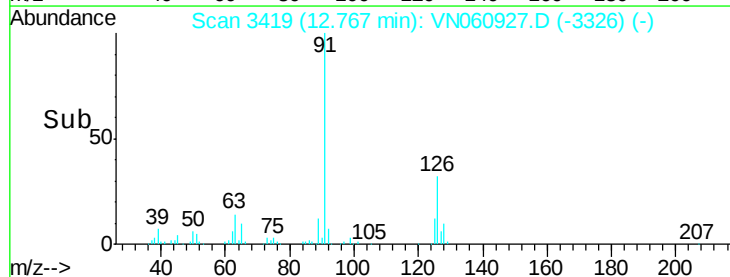
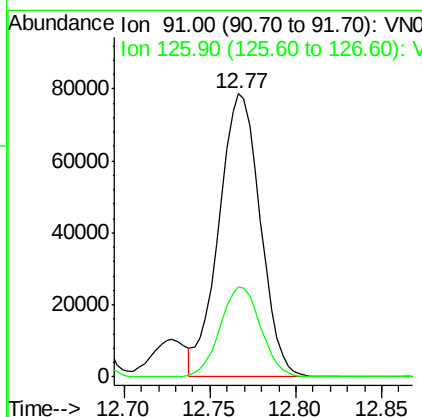
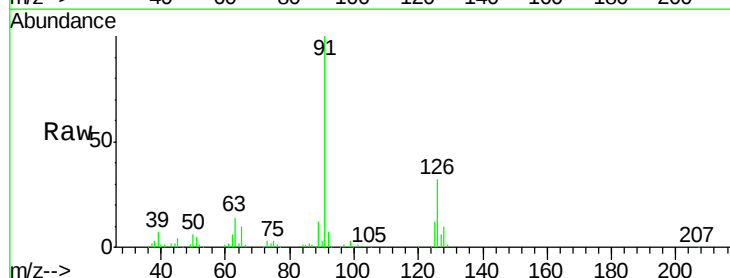
Manual Integrations
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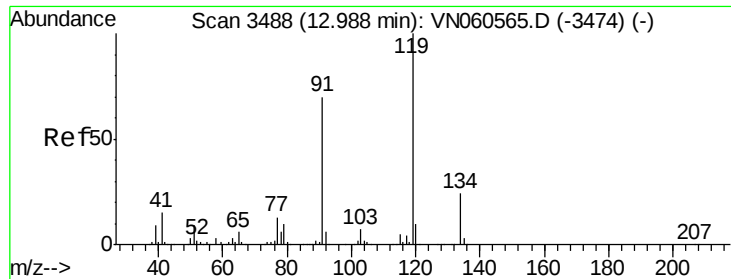
MMDadoda
4/15/2020 1:49:56 PM



#82
4-Chlorotoluene
Concen: 24.228 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.2	48.5





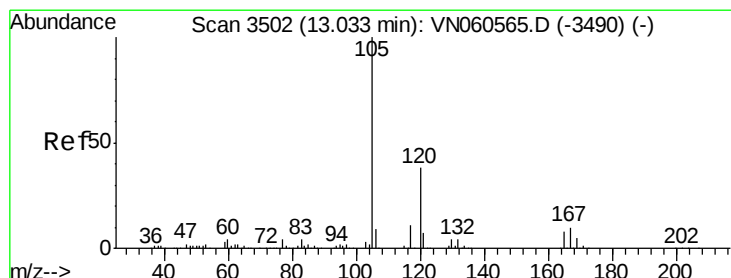
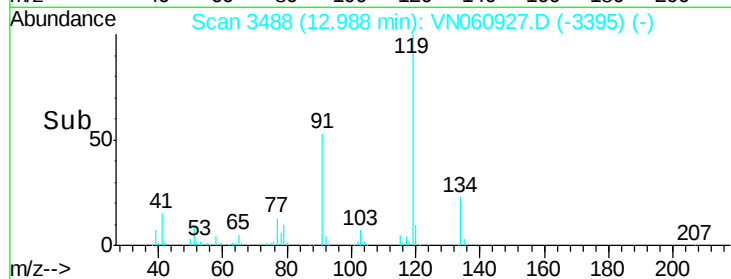
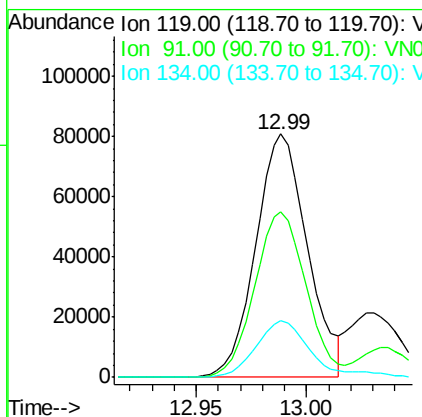
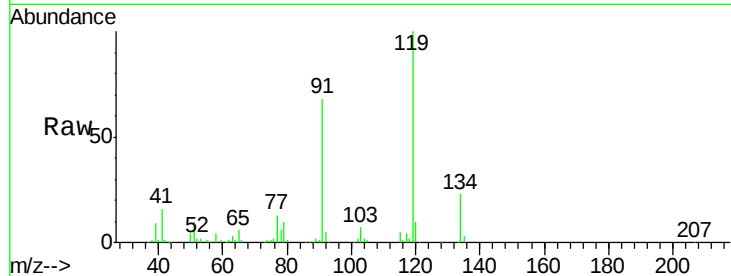
#83
tert-Butylbenzene
Concen: 24.690 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.0	101.8
134	24.8	12.7	38.0

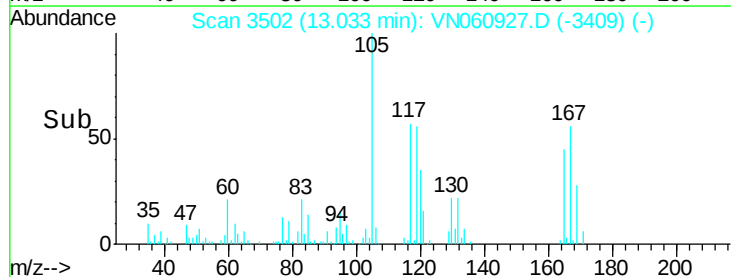
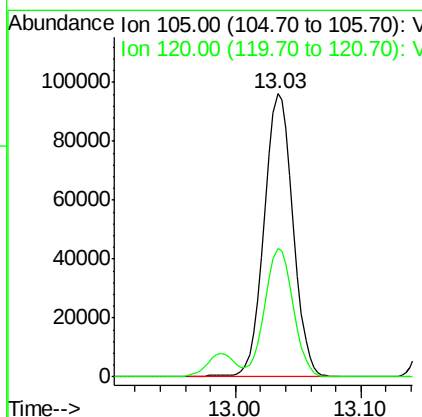
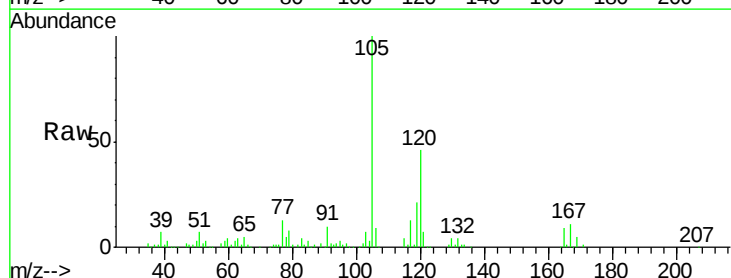
Manual Integrations
APPROVED

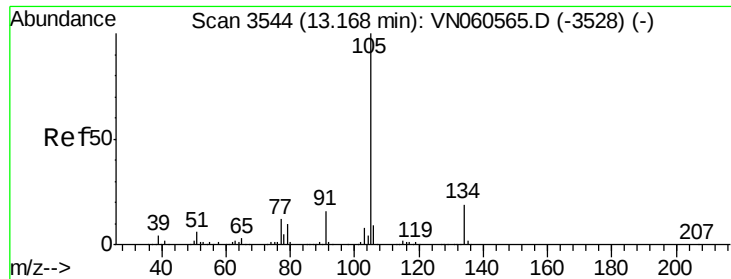
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 24.241 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.5





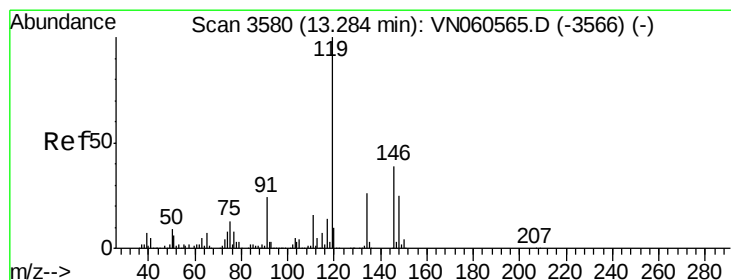
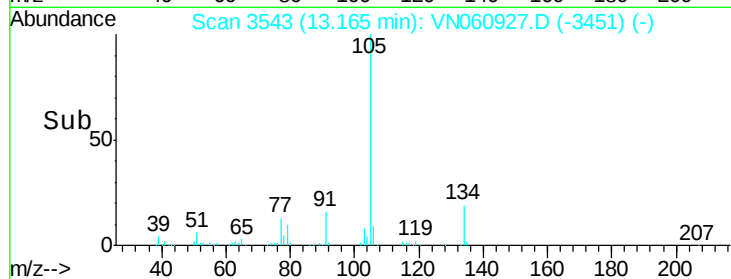
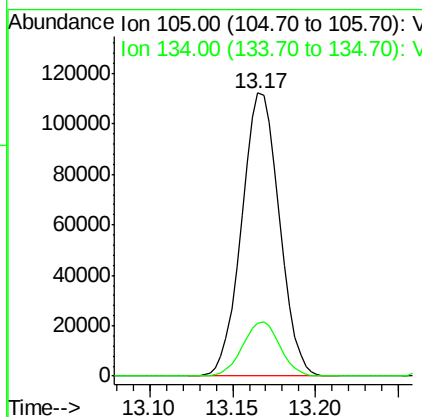
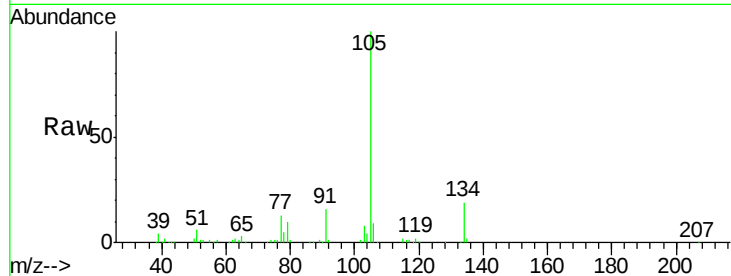
#85
 sec-Butylbenzene
 Concen: 24.853 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.8

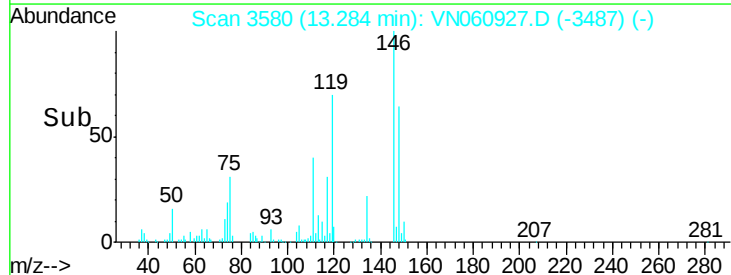
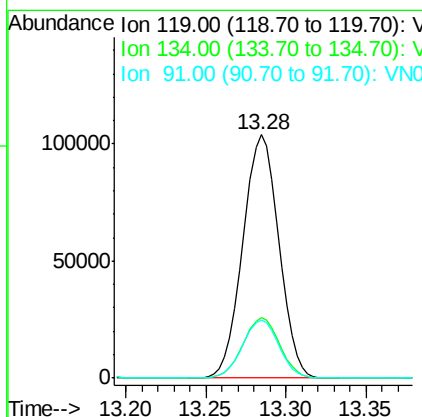
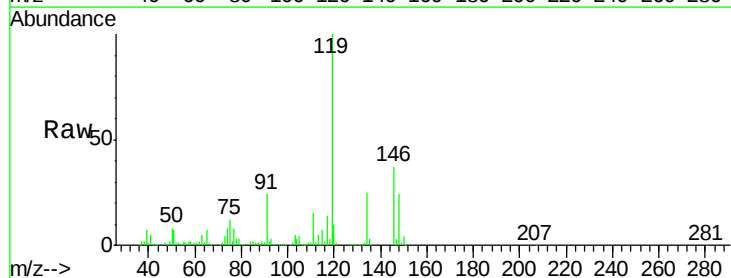
Manual Integrations
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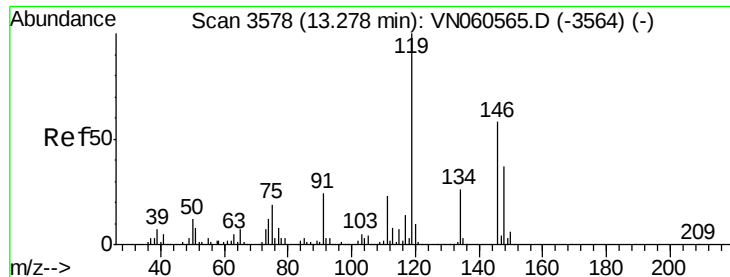
MMDadoda
 4/15/2020 1:49:56 PM



#86
 p-Isopropyltoluene
 Concen: 24.779 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	39.0
91	24.0	12.0	36.0





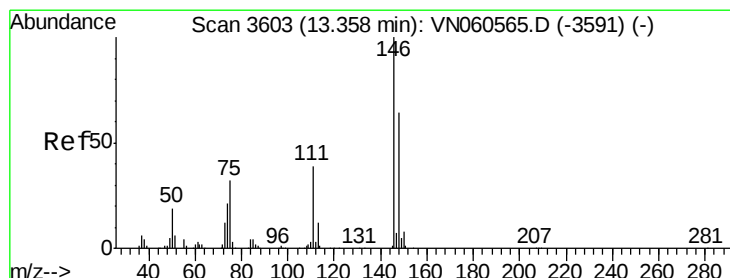
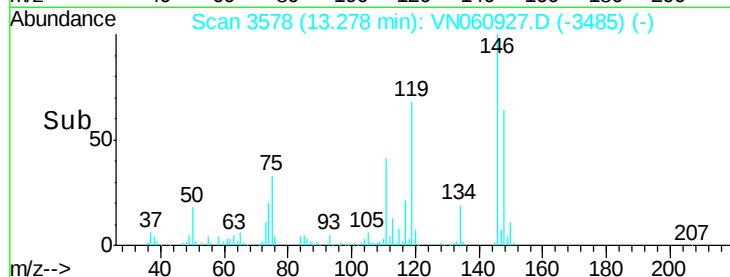
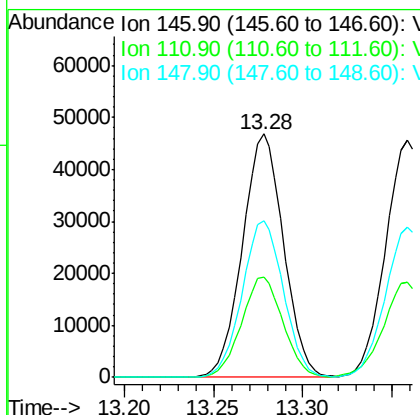
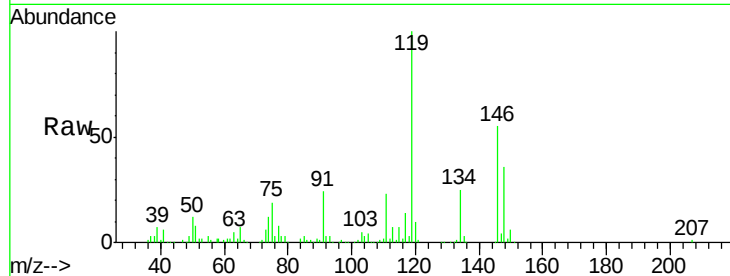
#87
 1,3-Dichlorobenzene
 Concen: 23.517 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	64.4	32.5	97.4

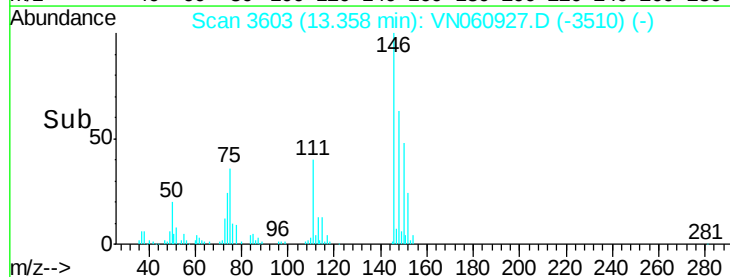
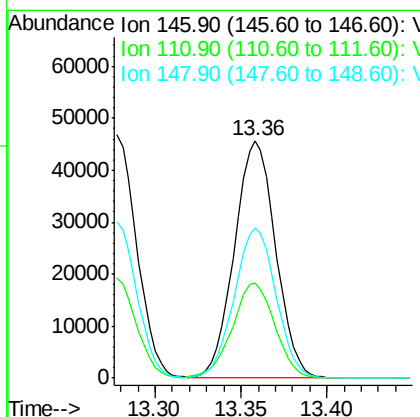
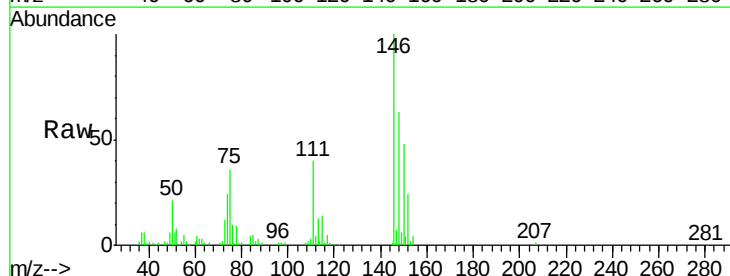
Manual Integrations
 APPROVED

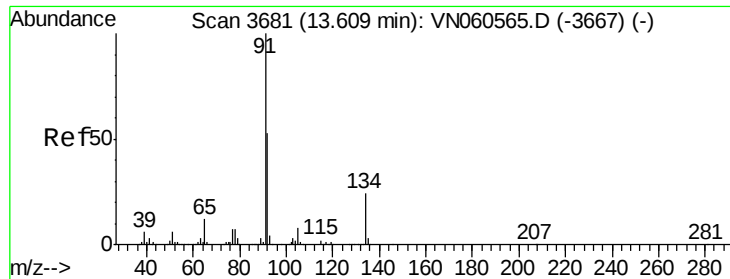
MMDadoda
 4/15/2020 1:49:56 PM



#88
 1,4-Dichlorobenzene
 Concen: 23.543 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.6	58.7
148	64.1	32.1	96.3





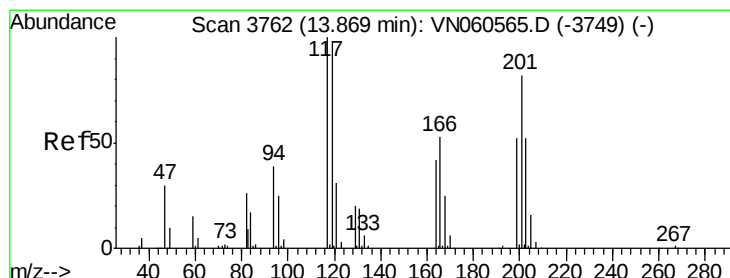
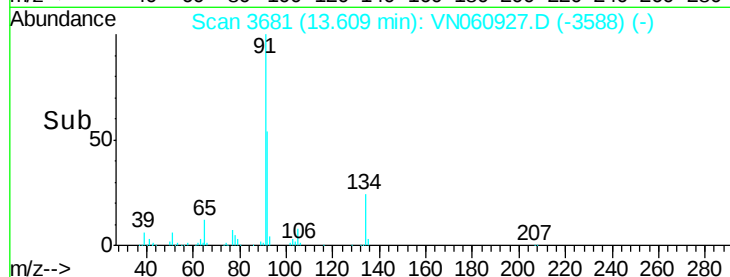
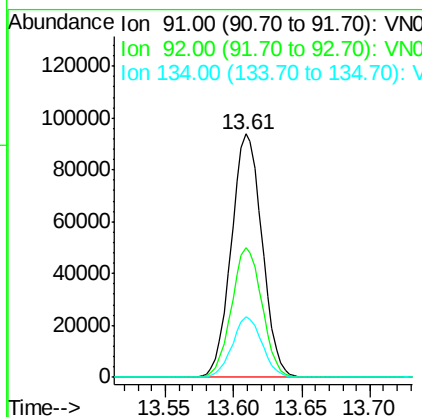
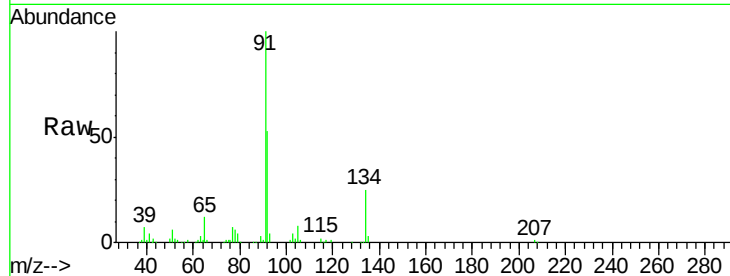
#89
n-Butylbenzene
Concen: 25.326 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	23.9	12.3	36.9

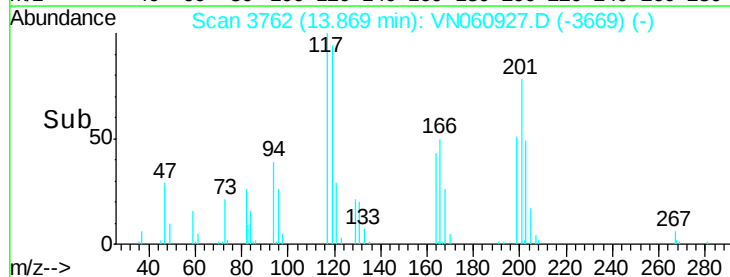
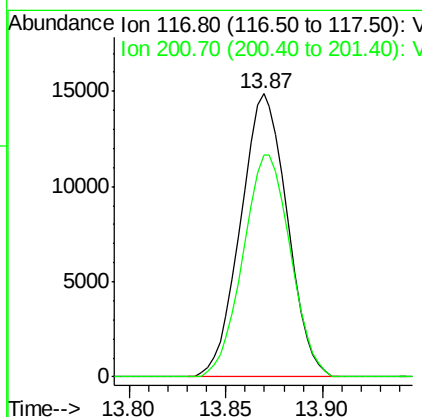
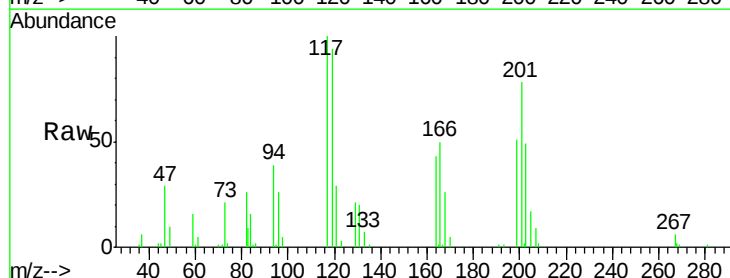
Manual Integrations
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#90
Hexachloroethane
Concen: 26.633 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	40.8	122.5





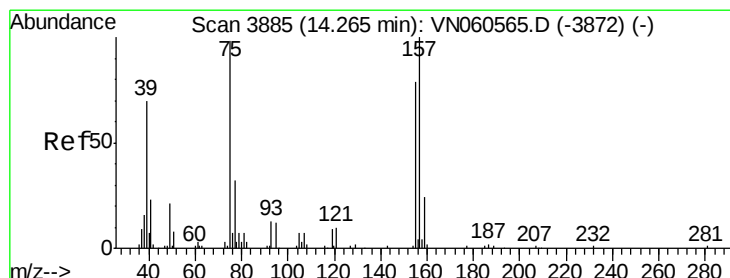
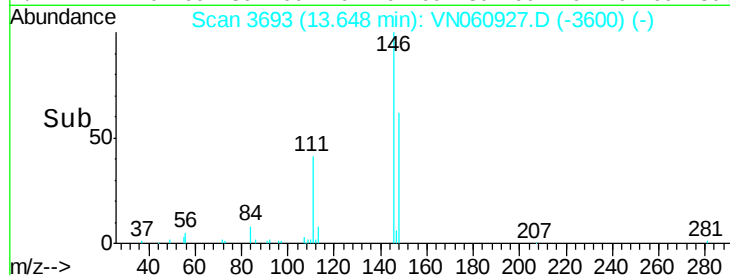
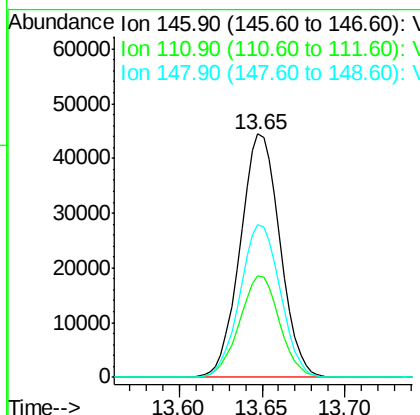
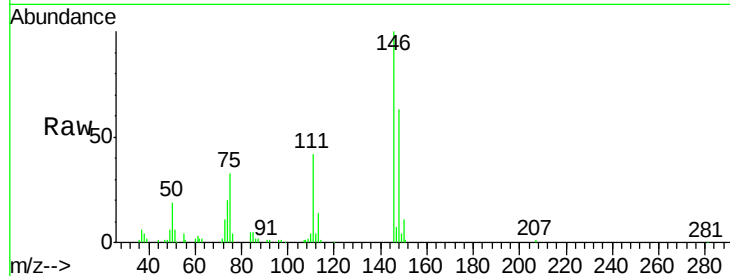
#91
 1,2-Dichlorobenzene
 Concen: 24.139 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.6	31.9	95.5

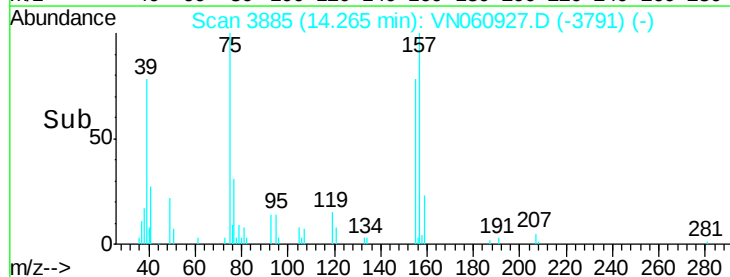
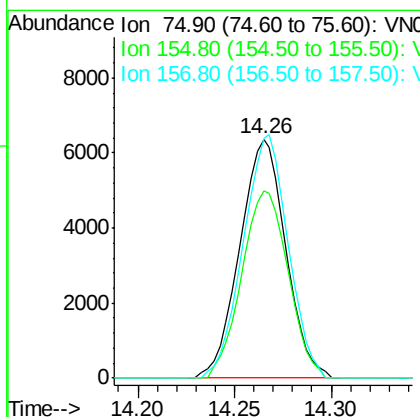
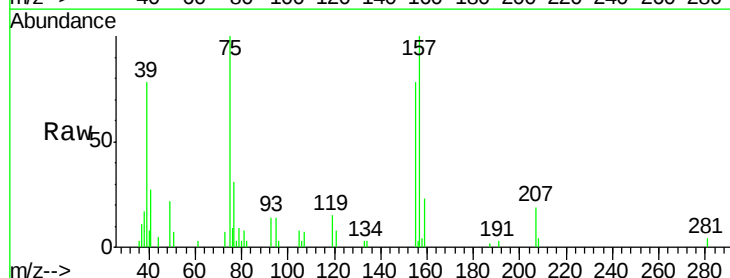
Manual Integrations
 APPROVED

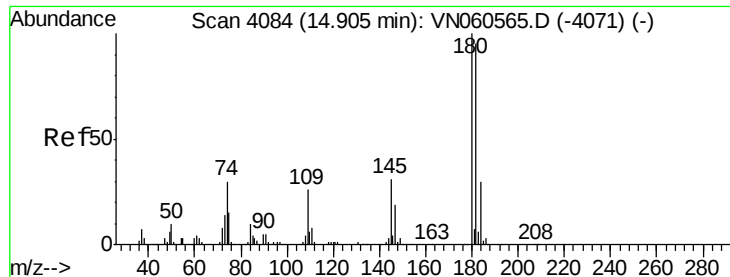
MMDadoda
 4/15/2020 1:49:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.801 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	40.7	122.1
157	99.5	51.5	154.7





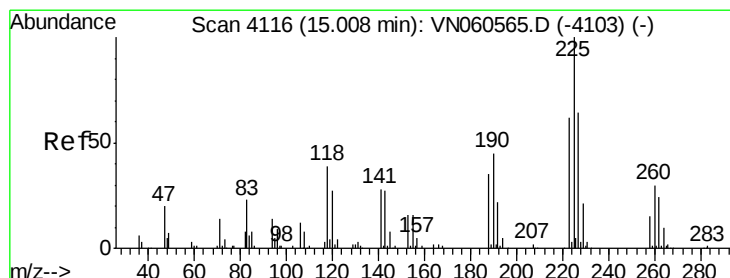
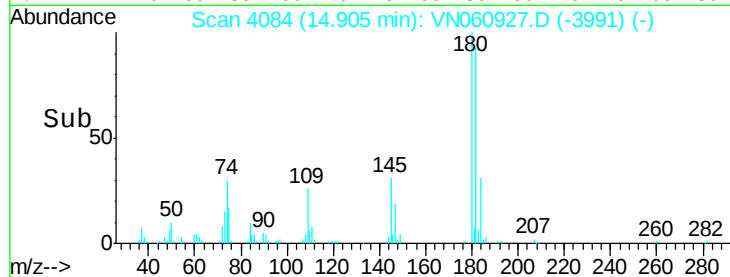
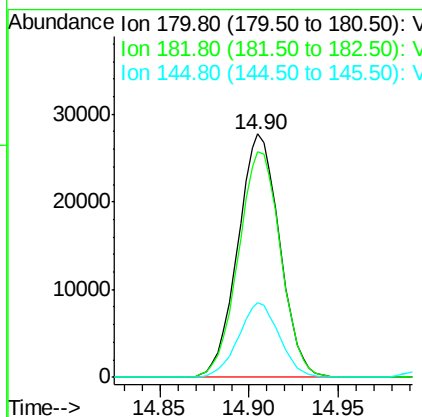
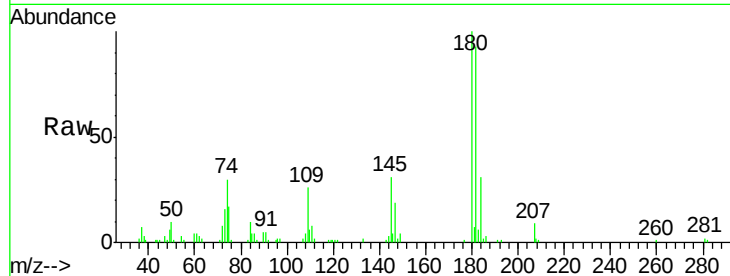
#93
 1,2,4-Trichlorobenzene
 Concen: 23.923 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.8
145	29.9	15.4	46.2

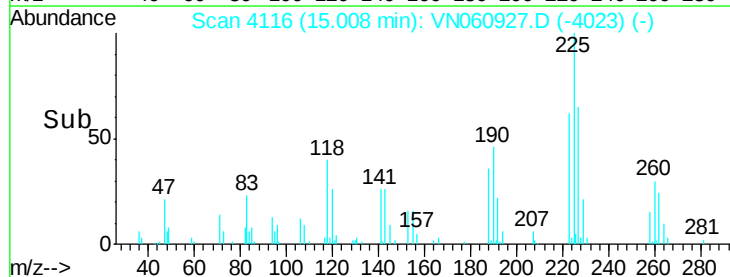
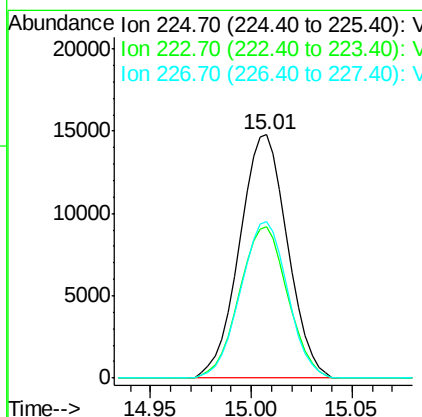
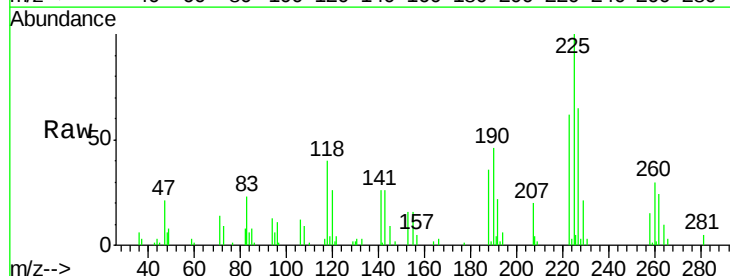
Manual Integrations
 APPROVED

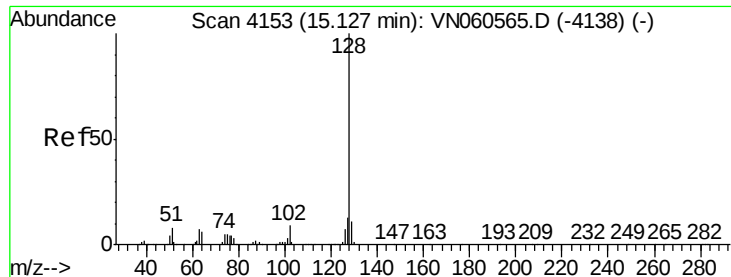
MMDadoda
 4/15/2020 1:49:56 PM



#94
 Hexachlorobutadiene
 Concen: 26.578 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	95.0
227	63.3	32.3	96.8





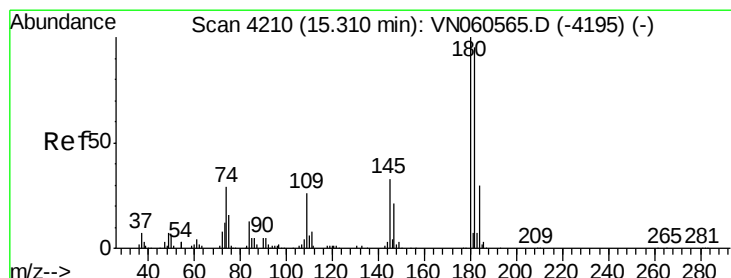
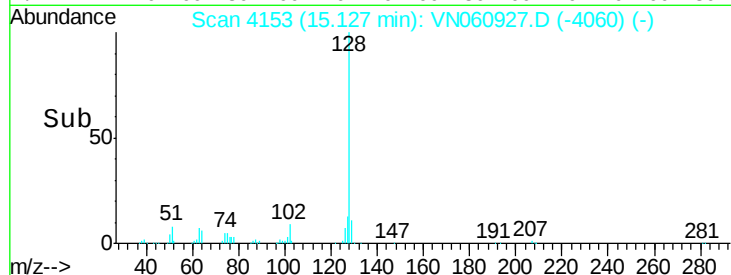
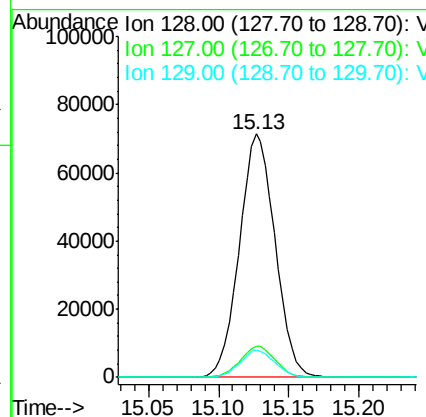
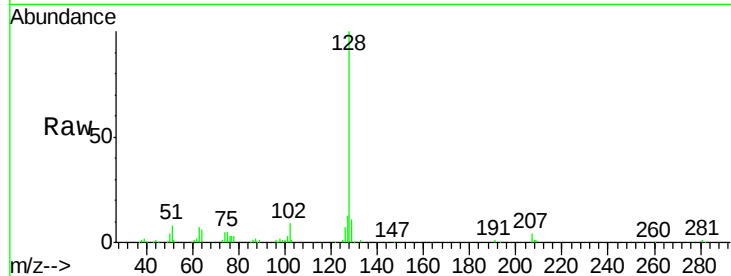
#95
Naphthalene
Concen: 22.244 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	126375		
127	12.7		10.2	15.2
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/15/2020 1:49:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 23.540 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43796		
182	93.1		47.5	142.6
145	32.7		16.3	48.8

