

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060872.D
 Acq On : 7 Apr 2020 13:14
 Operator : JC/MD
 Sample : VN0407MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 9:39:19 AM

Quant Time: Apr 08 07:47:58 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	189050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	309319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133639	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	124365	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
35) Dibromofluoromethane	7.56	113	93644	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
50) Toluene-d8	10.08	98	362063	47.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.78%	
62) 4-Bromofluorobenzene	12.40	95	134438	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	30283	16.555	ug/l	100
3) Chloromethane	2.04	50	52702	15.426	ug/l	98
4) Vinyl Chloride	2.17	62	42397	15.866	ug/l	97
5) Bromomethane	2.55	94	23319	20.215	ug/l	95
6) Chloroethane	2.69	64	27386	17.791	ug/l	96
7) Trichlorofluoromethane	3.00	101	59839	18.179	ug/l	100
8) Diethyl Ether	3.38	74	26298	19.887	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	36337	19.051	ug/l	99
10) Methyl Iodide	3.93	142	29570	17.423	ug/l	100
11) Tert butyl alcohol	4.72	59	39124	102.506	ug/l	97
12) 1,1-Dichloroethene	3.72	96	35420	17.305	ug/l	98
13) Acrolein	3.57	56	32540	76.925	ug/l	98
14) Allyl chloride	4.29	41	67745	18.818	ug/l	96
15) Acrylonitrile	4.94	53	113212	100.870	ug/l	99
16) Acetone	3.78	43	93037	101.206	ug/l	98
17) Carbon Disulfide	4.03	76	100877	16.205	ug/l	99
18) Methyl Acetate	4.28	43	54301	20.986	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	137013	19.470	ug/l	97
20) Methylene Chloride	4.52	84	43356	19.172	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	39219	17.978	ug/l	96
22) Diisopropyl ether	5.91	45	153085	20.128	ug/l	98
23) Vinyl Acetate	5.86	43	626062	100.889	ug/l	99
24) 1,1-Dichloroethane	5.82	63	79318	19.131	ug/l	99
25) 2-Butanone	6.80	43	148569	99.874	ug/l	99
26) 2,2-Dichloropropane	6.79	77	65018	19.931	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	46846	18.897	ug/l	98
28) Bromochloromethane	7.17	49	37753	19.032	ug/l	97
29) Tetrahydrofuran	7.18	42	102551	97.435	ug/l	98
30) Chloroform	7.34	83	75460	18.985	ug/l	99
31) Cyclohexane	7.63	56	73501	17.584	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	63607	18.563	ug/l	98
36) 1,1-Dichloropropene	7.77	75	56365	18.819	ug/l	98
37) Ethyl Acetate	6.89	43	63023	19.474	ug/l	98
38) Carbon Tetrachloride	7.75	117	49957	18.610	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	67590	18.989	ug/l	98
40) Benzene	8.02	78	173353	19.173	ug/l	98
41) Methacrylonitrile	7.14	41	27119m	19.635	ug/l	
42) 1,2-Dichloroethane	8.10	62	62098	20.096	ug/l	99
43) Isopropyl Acetate	8.14	43	107834	20.204	ug/l	100
44) Trichloroethene	8.82	130	43796	19.215	ug/l	100
45) 1,2-Dichloropropane	9.10	63	48293	20.242	ug/l	99
46) Dibromomethane	9.19	93	29344	20.344	ug/l	98
47) Bromodichloromethane	9.38	83	59259	19.771	ug/l	99
48) Methyl methacrylate	9.18	41	47334	19.919	ug/l	98
49) 1,4-Dioxane	9.17	88	13245	468.922	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	314940	103.695	ug/l	99
52) Toluene	10.14	92	104893	19.209	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	69196	20.098	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	75198	19.909	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	42477	20.220	ug/l	99
56) Ethyl methacrylate	10.42	69	64998	19.843	ug/l	98
57) 1,3-Dichloropropane	10.70	76	73906	20.273	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	148971	91.506	ug/l	100
59) 2-Hexanone	10.74	43	223184	102.011	ug/l	100
60) Dibromochloromethane	10.89	129	42984	19.809	ug/l	98
61) 1,2-Dibromoethane	10.99	107	41786	19.781	ug/l	99
64) Tetrachloroethene	10.62	164	41239	18.542	ug/l	97
65) Chlorobenzene	11.43	112	107232	19.139	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40242	19.837	ug/l	99
67) Ethyl Benzene	11.50	91	200377	19.231	ug/l	100
68) m/p-Xylenes	11.61	106	146644	37.874	ug/l	98
69) o-Xylene	11.94	106	71852	19.439	ug/l	100
70) Styrene	11.96	104	114819	18.994	ug/l	99
71) Bromoform	12.12	173	30612	19.226	ug/l #	100
73) Isopropylbenzene	12.24	105	192696	19.214	ug/l	100
74) N-amyl acetate	12.06	43	89206	19.249	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	60363	19.903	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	56675m	19.654	ug/l	
77) Bromobenzene	12.52	156	46201	19.118	ug/l	100
78) n-propylbenzene	12.59	91	226848	19.145	ug/l	98
79) 2-Chlorotoluene	12.67	91	135083	19.081	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	162135	19.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20820	18.543	ug/l	97
82) 4-Chlorotoluene	12.77	91	140401	19.472	ug/l	98
83) tert-Butylbenzene	12.99	119	136758	19.384	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	161223	19.148	ug/l	100
85) sec-Butylbenzene	13.17	105	187252	19.737	ug/l	100
86) p-Isopropyltoluene	13.28	119	166215	19.483	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	82451	19.344	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	81593	19.054	ug/l	98
89) n-Butylbenzene	13.61	91	152395	19.785	ug/l	100
90) Hexachloroethane	13.87	117	25289	20.393	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	80032	19.637	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11911	18.582	ug/l	97

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QLast Update : Wed Mar 18 08:49:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49433	19.751	ug/l	99
94) Hexachlorobutadiene	15.01	225	26366	21.490	ug/l	99
95) Naphthalene	15.13	128	140614	18.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	48208	19.556	ug/l	99

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

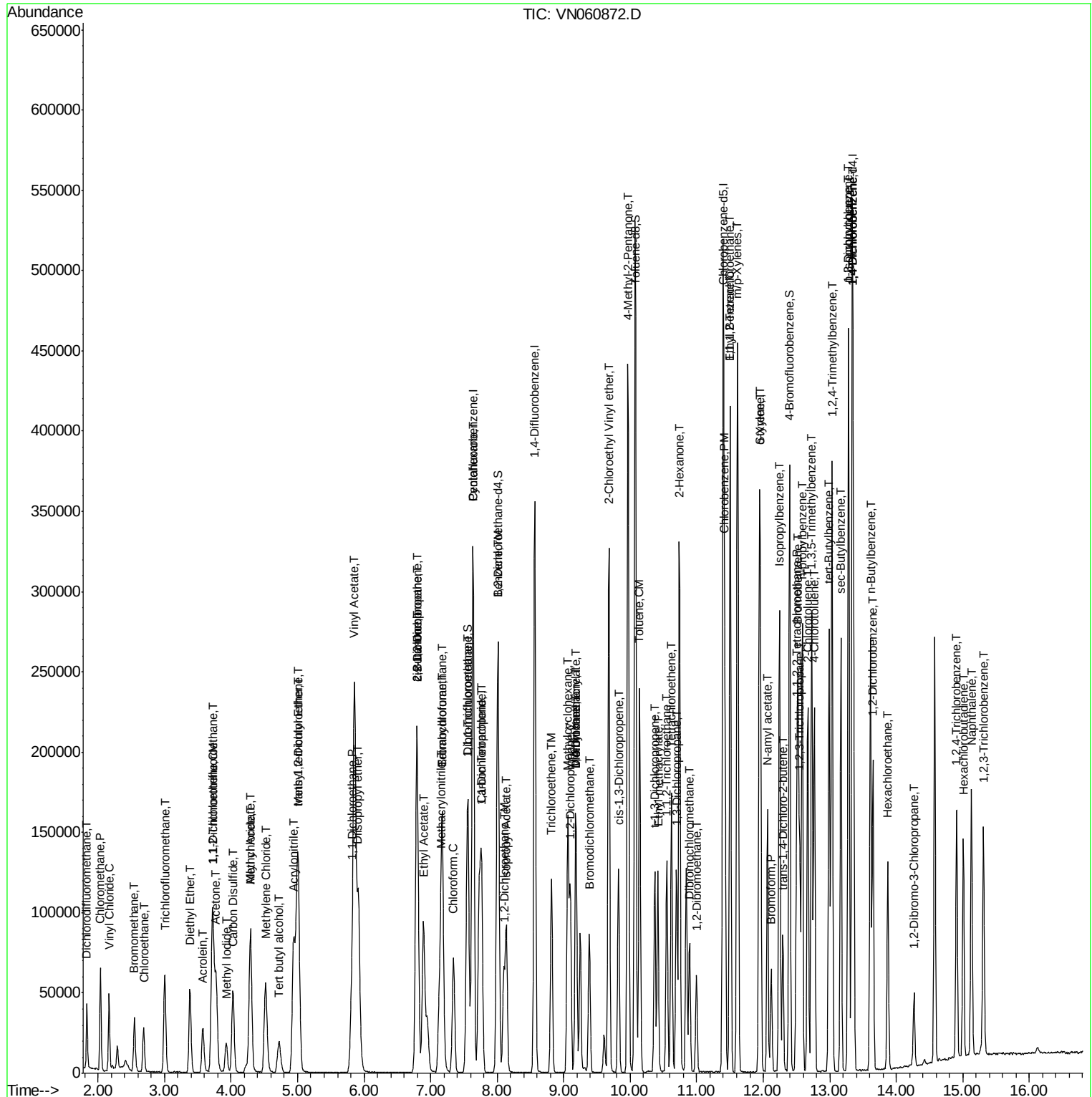
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060872.D
 Acq On : 7 Apr 2020 13:14
 Operator : JC/MD
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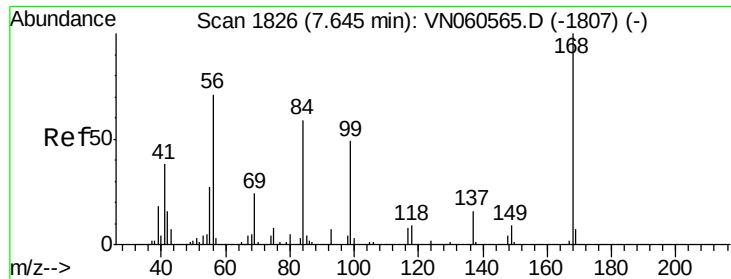
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

Tot Ion:168 Resp: 189050

Ion Ratio Lower Upper

168 100

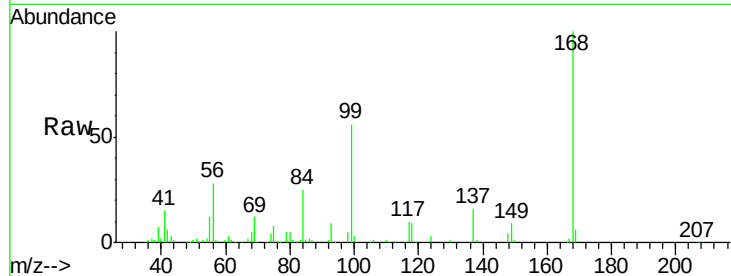
99 56.4 44.0 66.0

Manual Integrations

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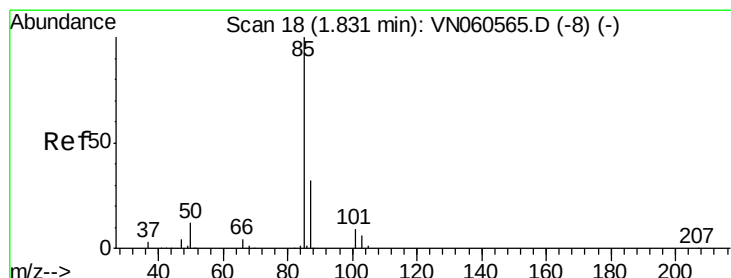
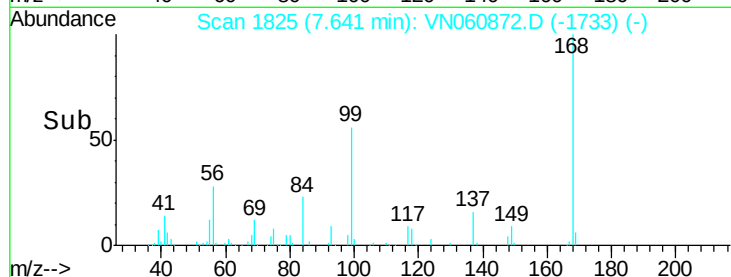
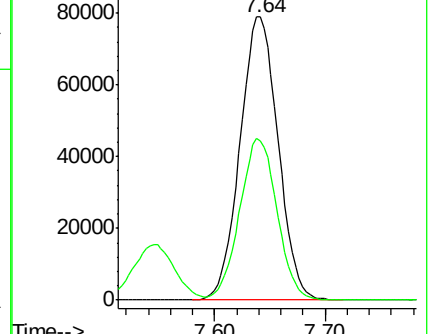
MMDadoda

4/8/2020 9:39:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 16.555 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060872.D

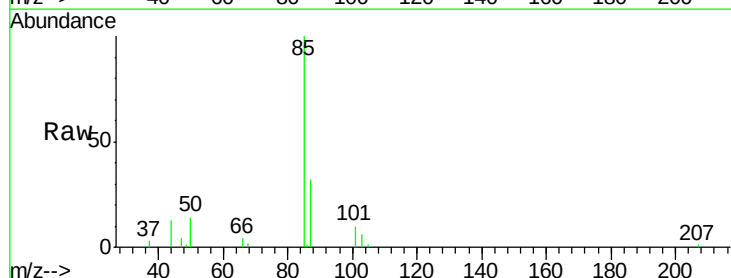
Acq: 7 Apr 2020 13:14

Tgt Ion: 85 Resp: 30283

Ion Ratio Lower Upper

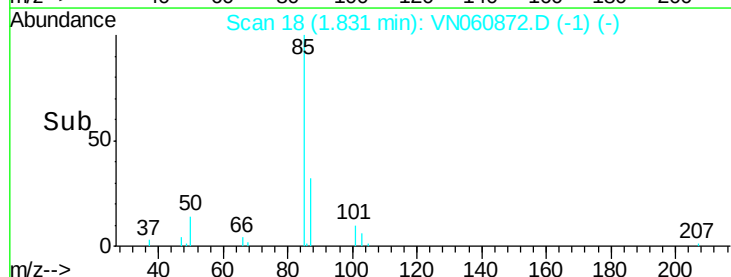
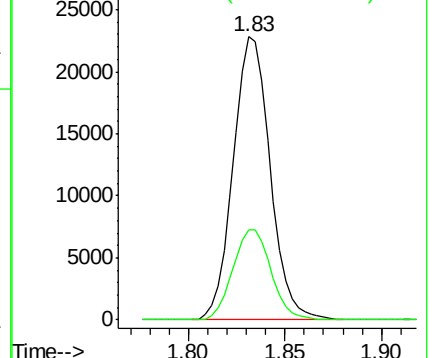
85 100

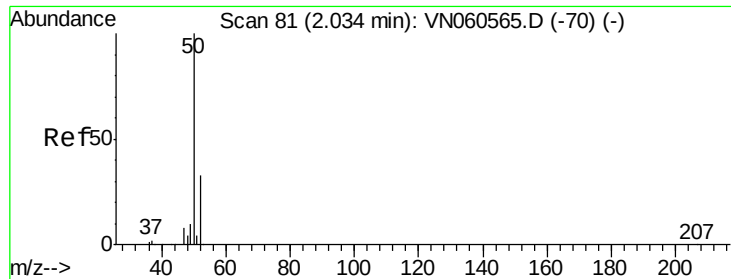
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 15.426 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

Tot Ion: 50 Resp: 52702

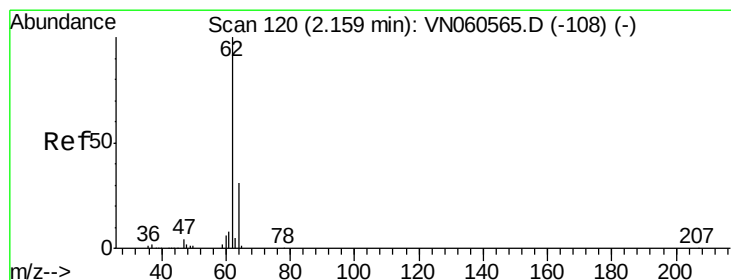
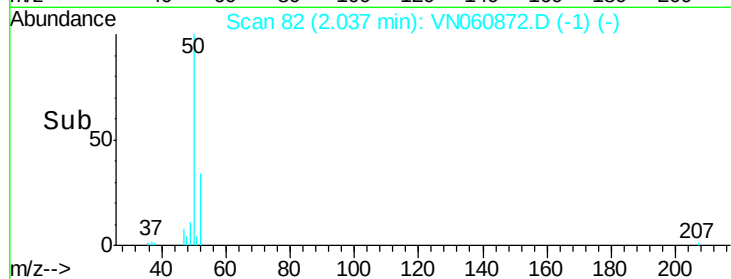
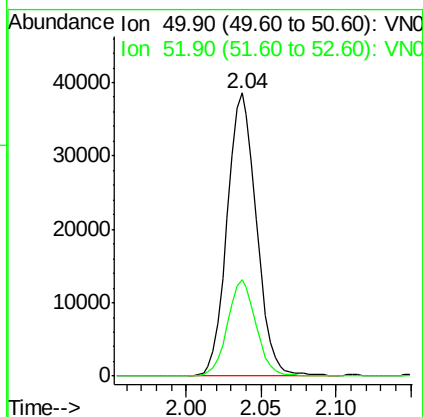
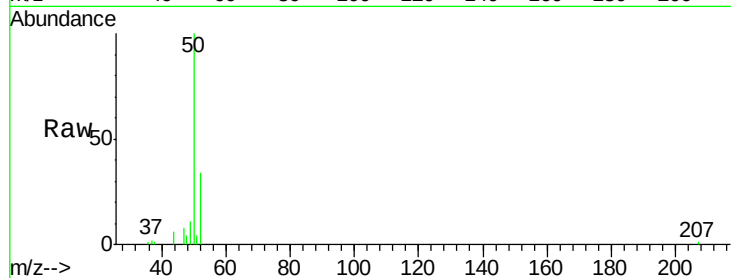
Ion Ratio Lower Upper

50 100

52 34.0 26.2 39.2

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#4

Vinyl Chloride

Concen: 15.866 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060872.D

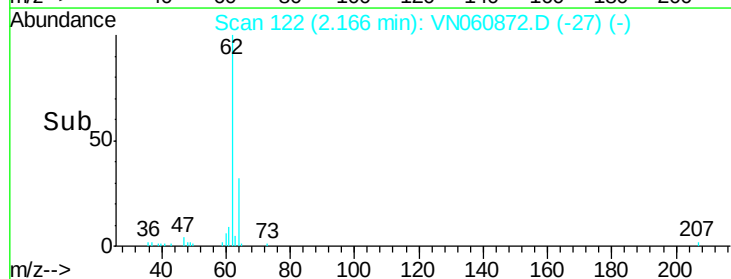
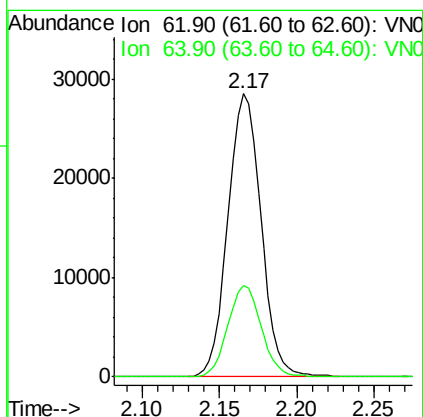
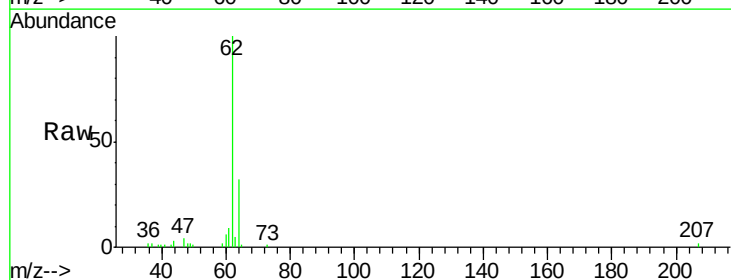
Acq: 7 Apr 2020 13:14

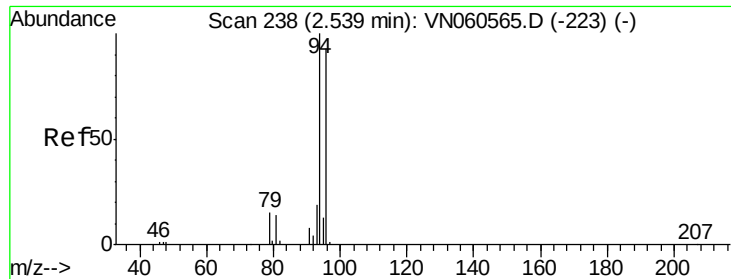
Tgt Ion: 62 Resp: 42397

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1





#5

Bromomethane

Concen: 20.215 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

Tot Ion: 94 Resp: 23319

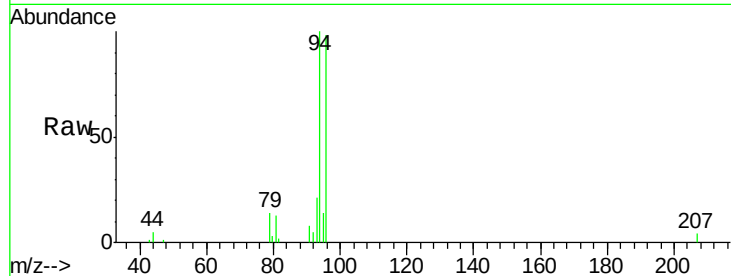
Ion Ratio Lower Upper

94 100

96 98.0 74.6 112.0

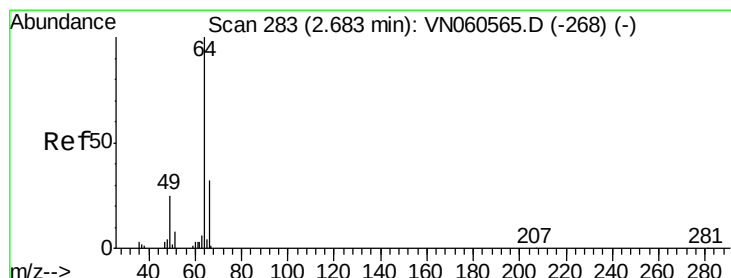
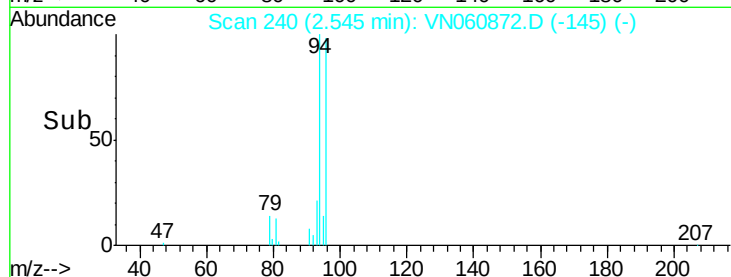
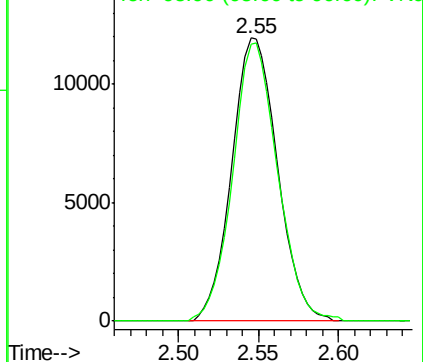
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.791 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060872.D

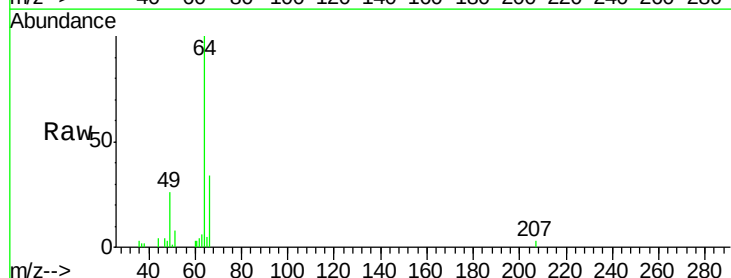
Acq: 7 Apr 2020 13:14

Tgt Ion: 64 Resp: 27386

Ion Ratio Lower Upper

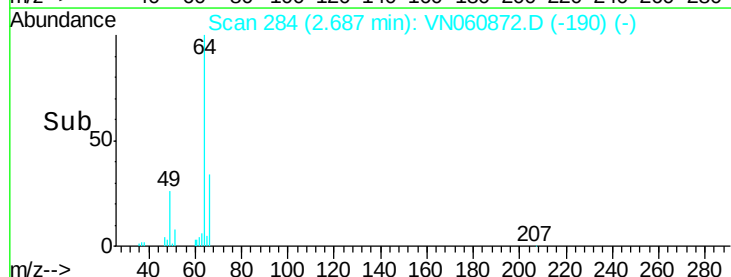
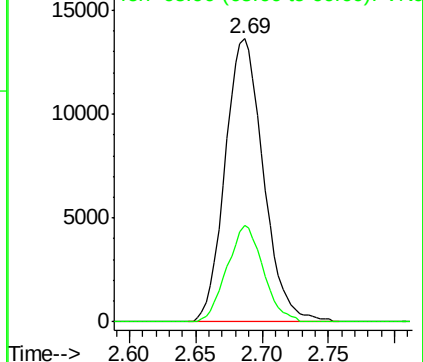
64 100

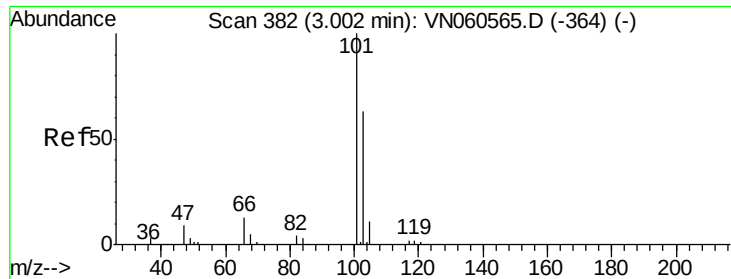
66 34.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

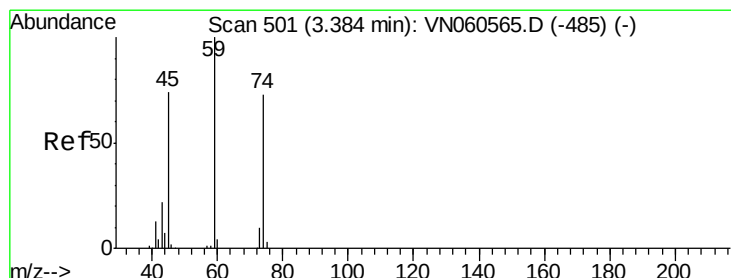
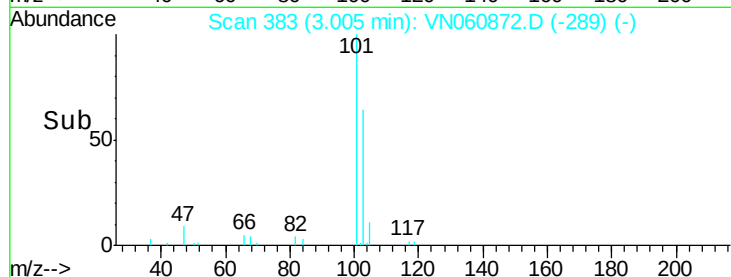
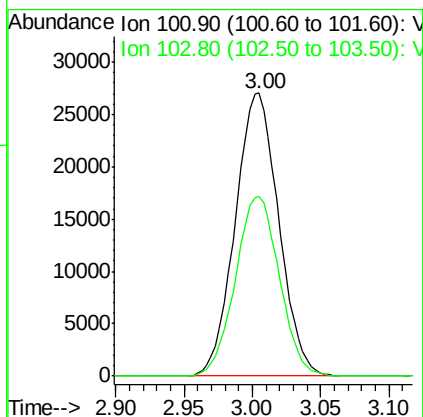
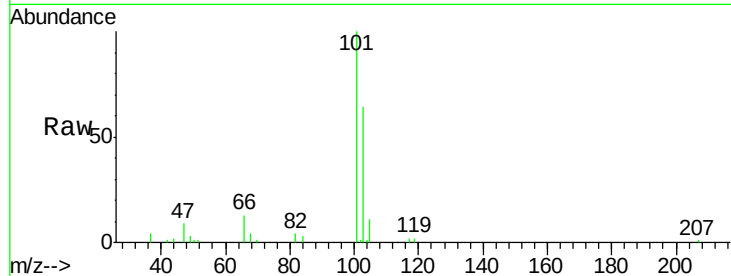
Trichlorofluoromethane
 Concen: 18.179 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.6	76.0

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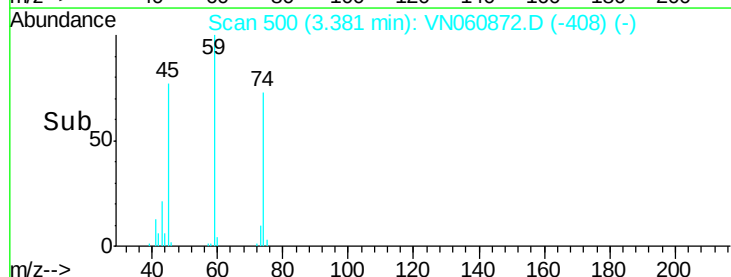
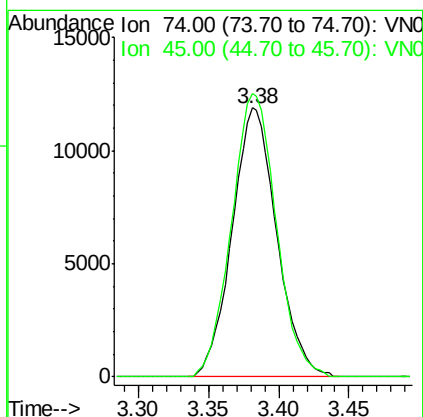
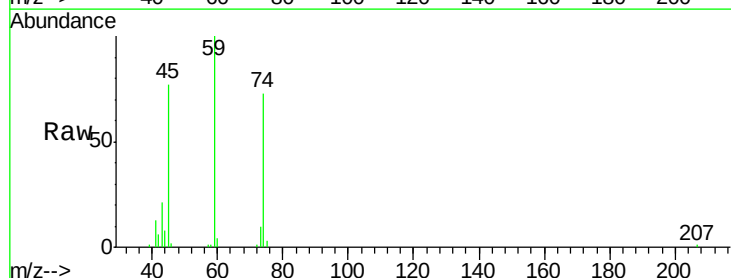
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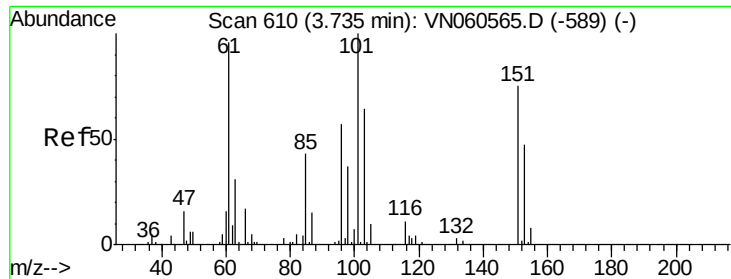


#8

Diethyl Ether
 Concen: 19.887 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.6	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.051 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

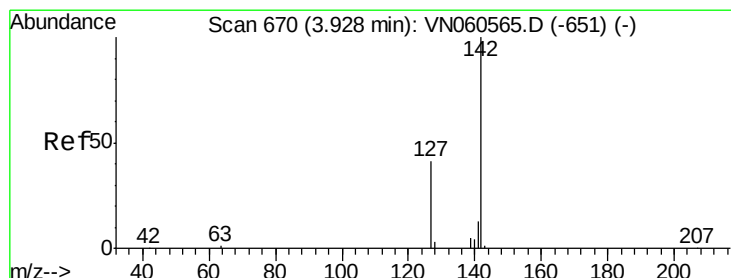
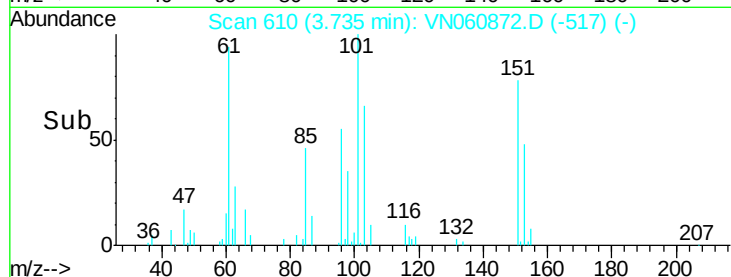
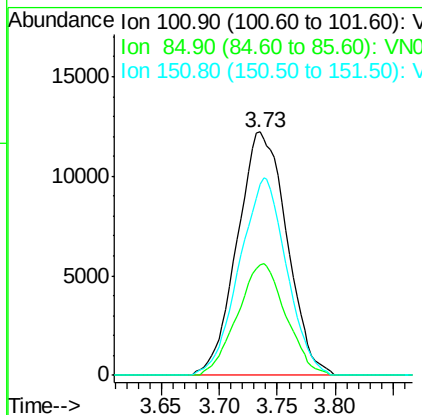
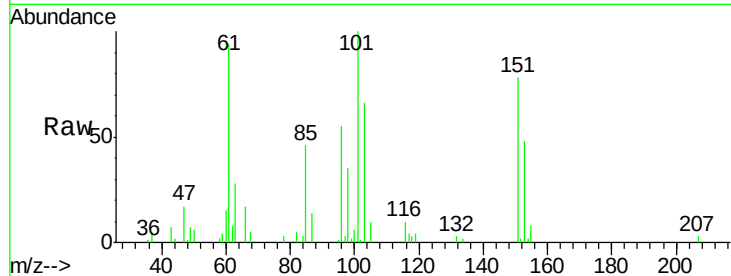
ClientSampleId :

VN0407MBS01

Tot Ion:	101	Resp:	36337
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.6	53.4
151	77.3	61.4	92.2

Manual Integrations
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MMDadoda
4/8/2020 9:39:19 AM



#10

Methyl Iodide

Concen: 17.423 ug/l

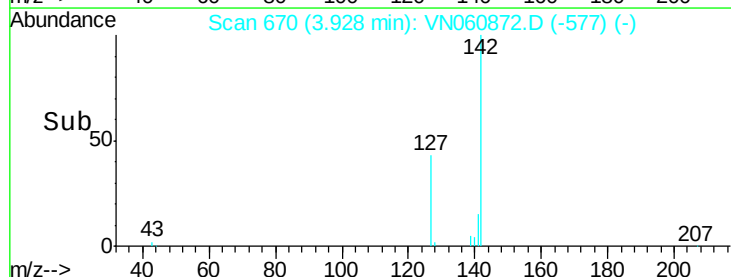
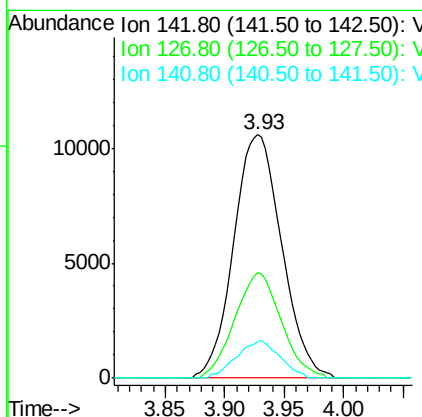
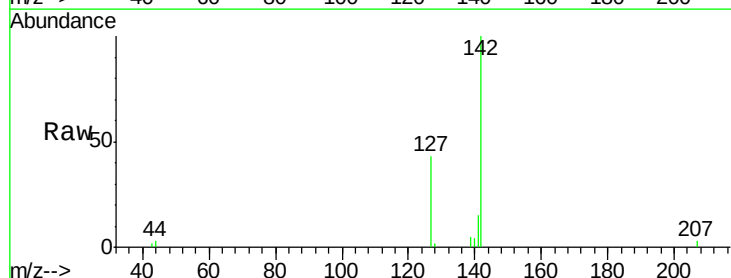
RT: 3.93 min Scan# 670

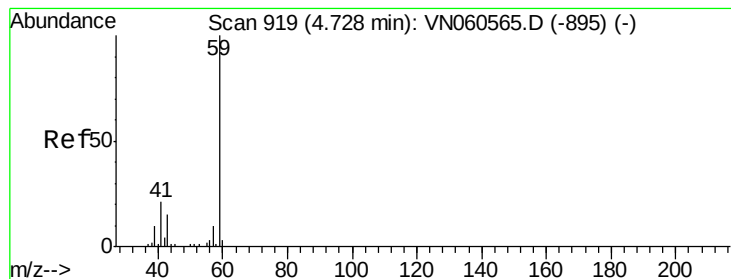
Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Tgt Ion:	142	Resp:	29570
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.5	50.3
141	13.9	11.0	16.6





#11

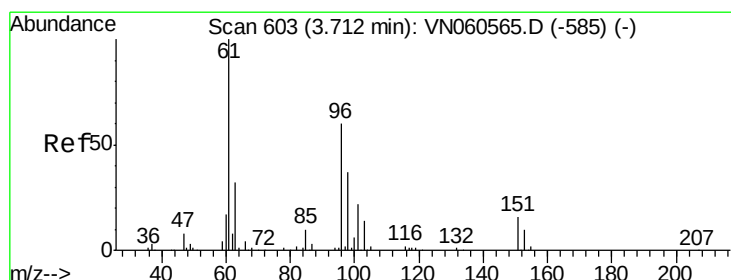
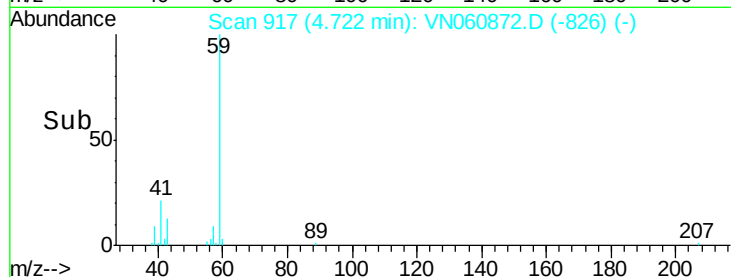
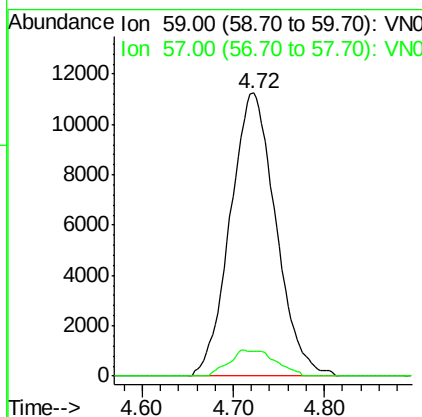
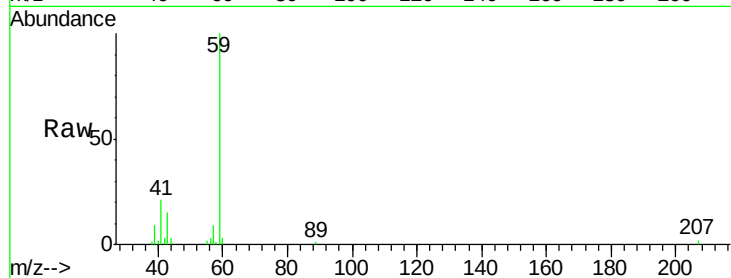
Tert butyl alcohol
Concen: 102.506 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.4

Manual Integrations
APPROVED

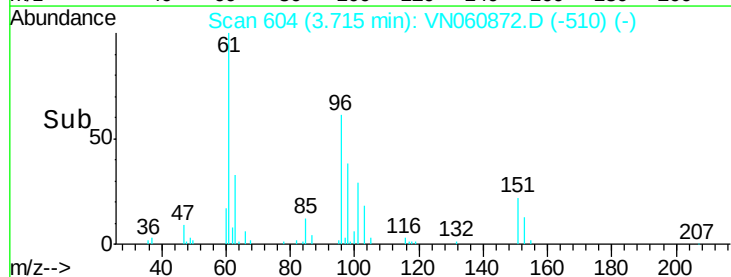
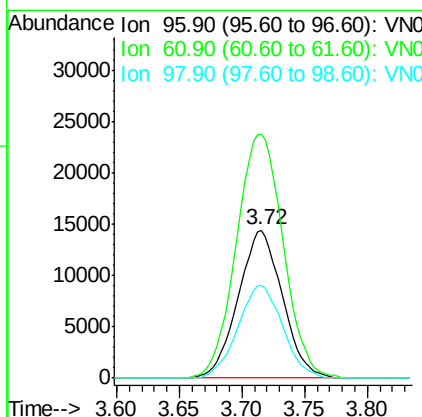
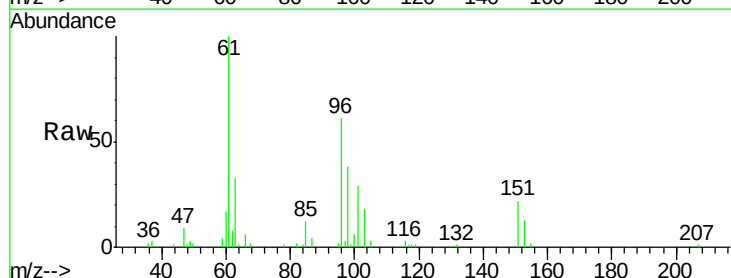
MMDadoda
4/8/2020 9:39:19 AM

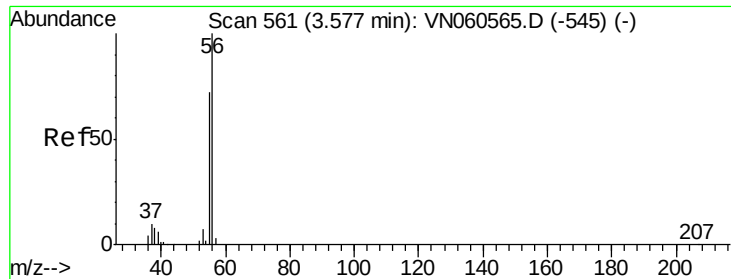


#12

1,1-Dichloroethene
Concen: 17.305 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.7	134.1	201.1
98	62.9	49.9	74.9





#13

Acrolein

Concen: 76.925 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

Tot Ion: 56 Resp: 32540

Ion Ratio Lower Upper

56 100

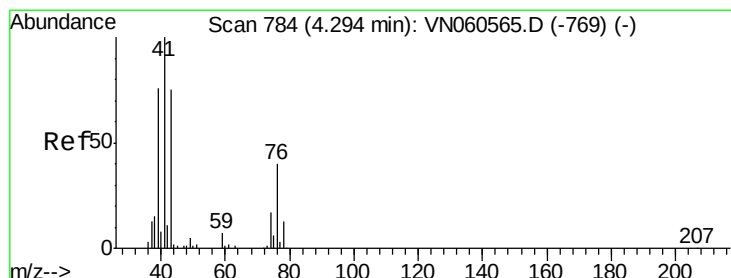
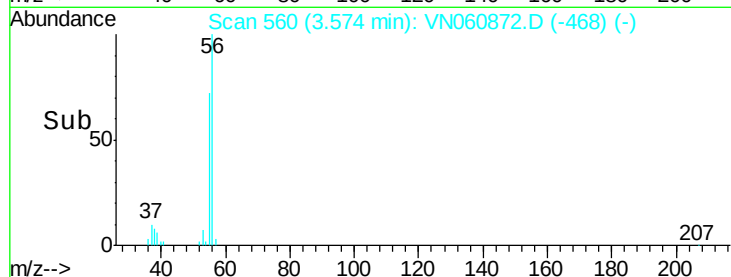
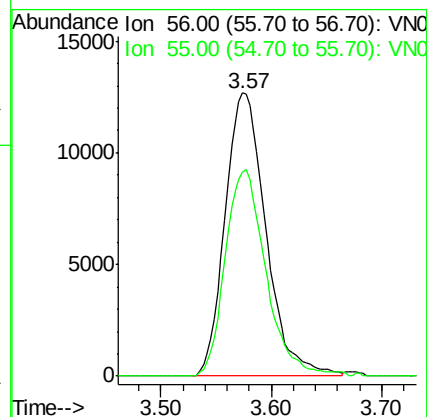
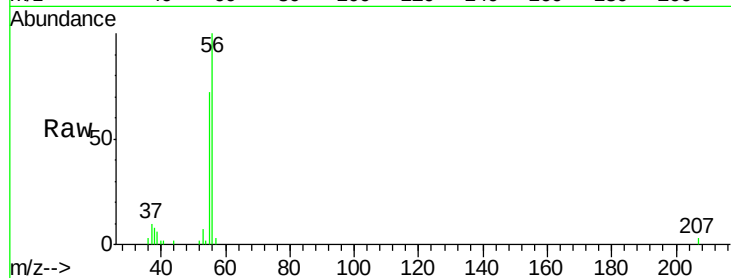
55 72.6 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

4/8/2020 9:39:19 AM



#14

Allyl chloride

Concen: 18.818 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

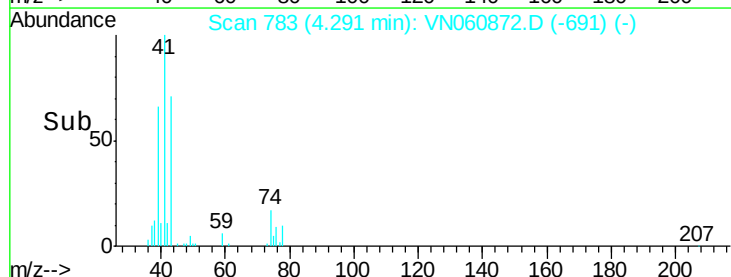
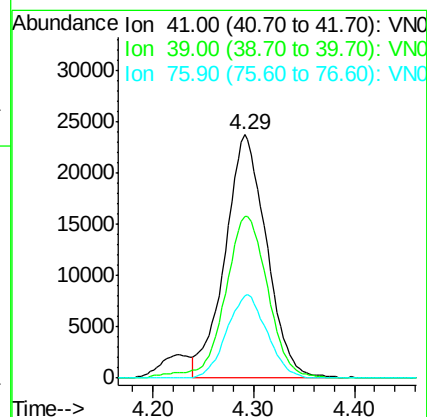
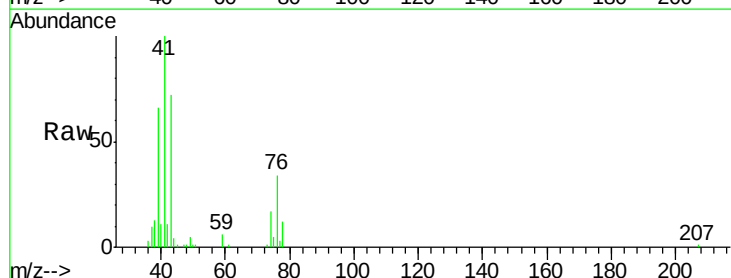
Tgt Ion: 41 Resp: 67745

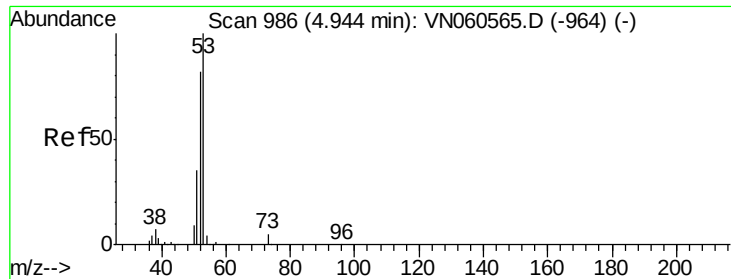
Ion Ratio Lower Upper

41 100

39 68.8 57.8 86.8

76 33.2 28.6 43.0





#15

Acrylonitrile

Concen: 100.870 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

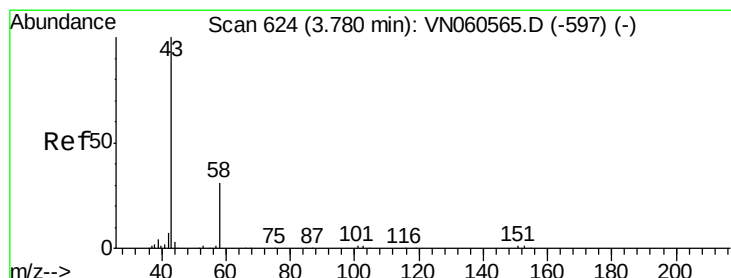
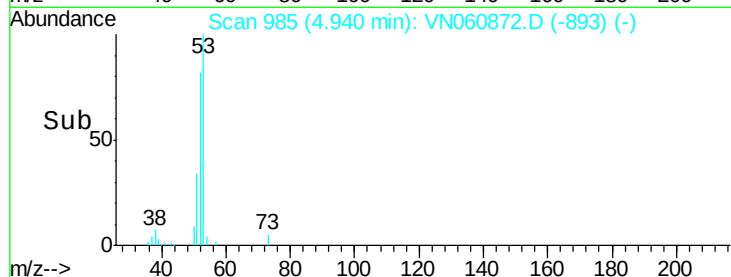
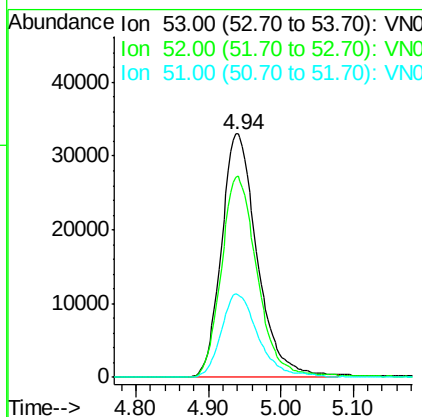
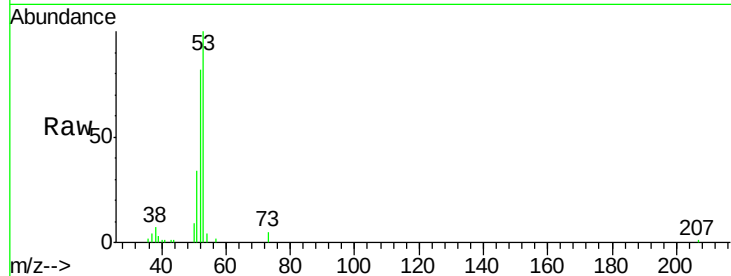
ClientSampleId :

VN0407MBS01

Tot Ion:	53	Resp:	113212
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.6	28.7	43.1

Manual Integrations
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4/8/2020 9:39:19 AM



#16

Acetone

Concen: 101.206 ug/l

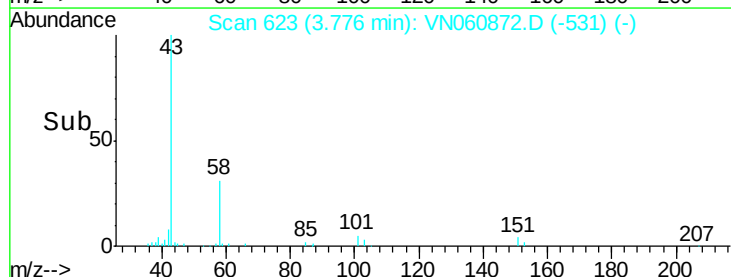
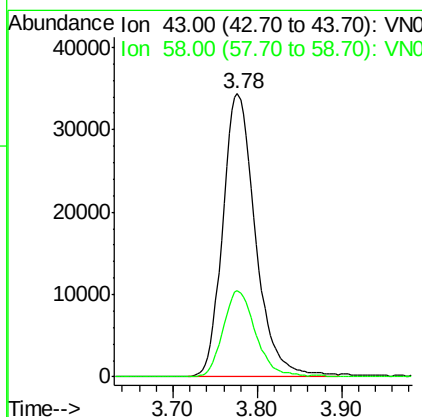
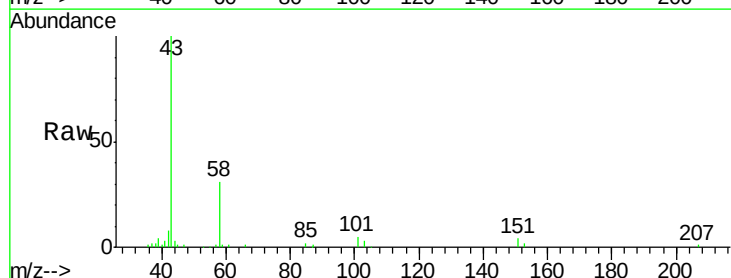
RT: 3.78 min Scan# 623

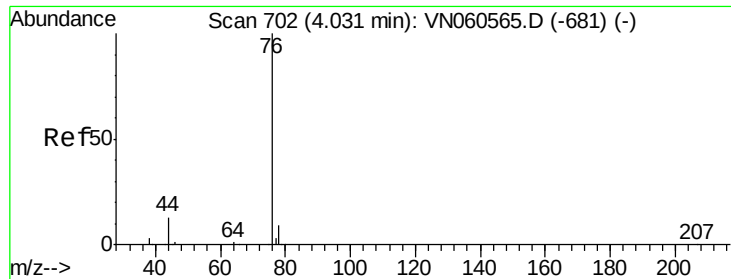
Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Tgt Ion:	43	Resp:	93037
Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.1	37.7





#17

Carbon Disulfide

Concen: 16.205 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

Tot Ion: 76 Resp: 100877

Ion Ratio Lower Upper

76 100

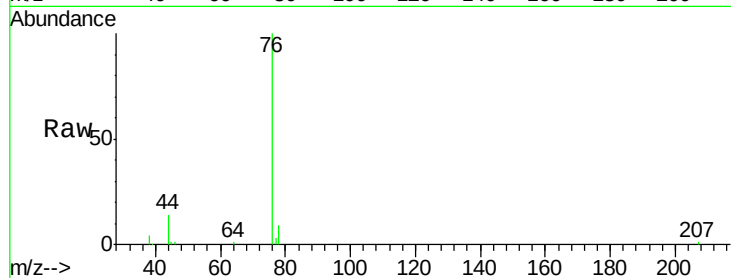
78 9.4 7.2 10.8

Manual Integrations

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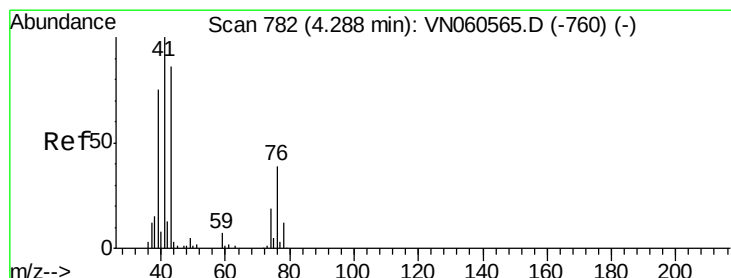
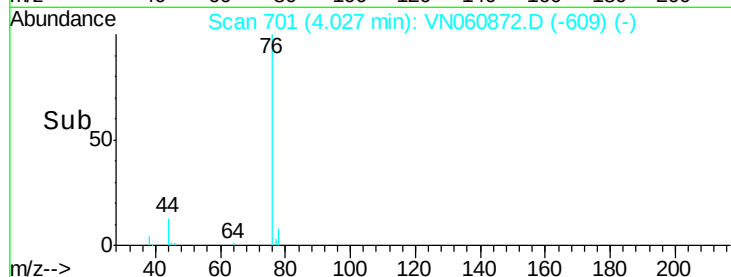
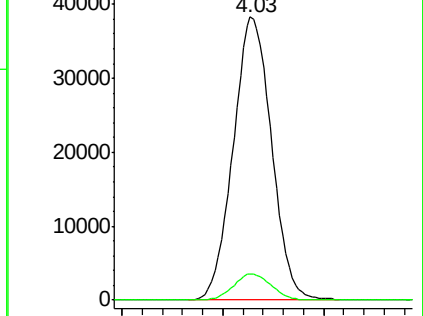
MMDadoda

4/8/2020 9:39:19 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.986 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060872.D

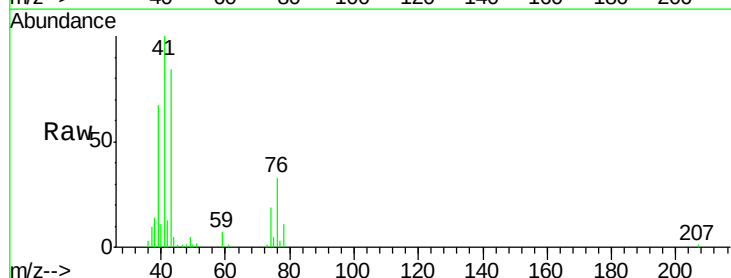
Acq: 7 Apr 2020 13:14

Tgt Ion: 43 Resp: 54301

Ion Ratio Lower Upper

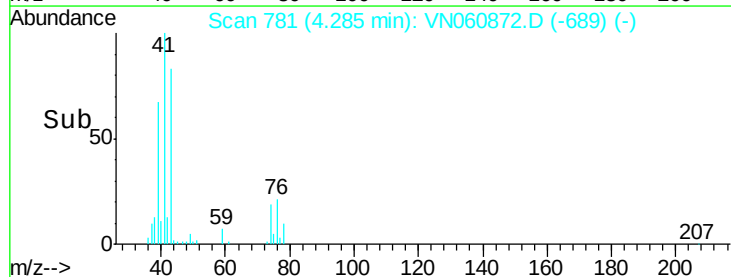
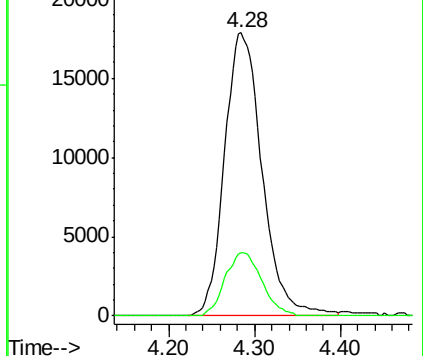
43 100

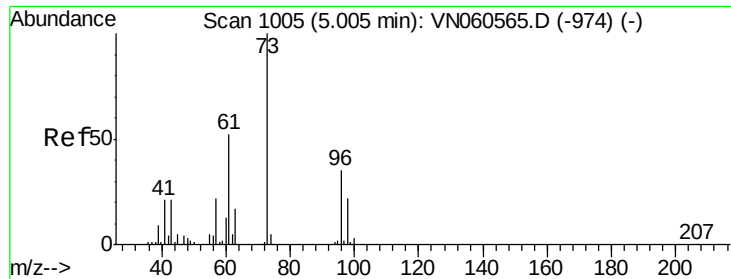
74 21.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





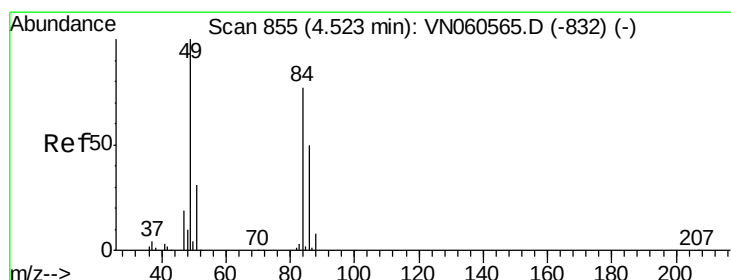
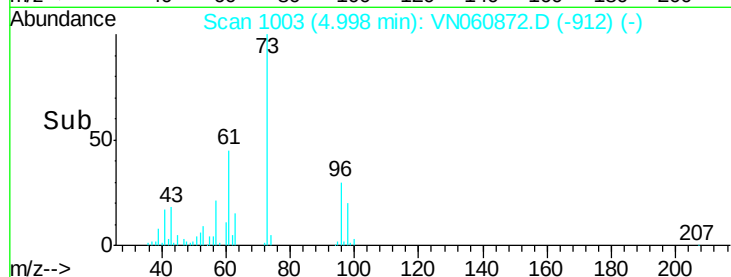
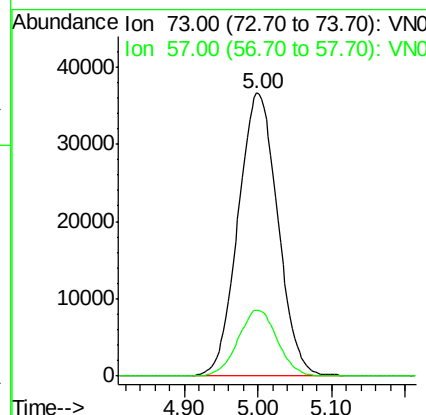
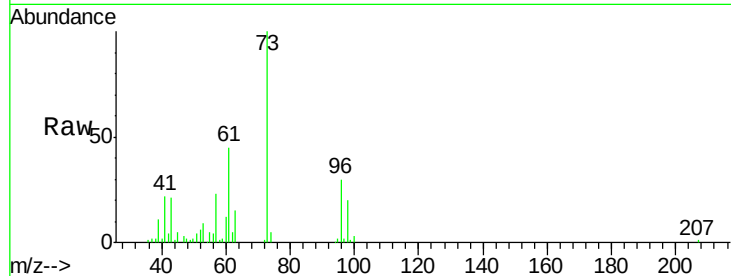
#19
Methyl tert-butyl Ether
Concen: 19.470 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0407MBS01

Tot Ion: 73 Resp: 137013
Ion Ratio Lower Upper
73 100
57 23.2 17.5 26.3

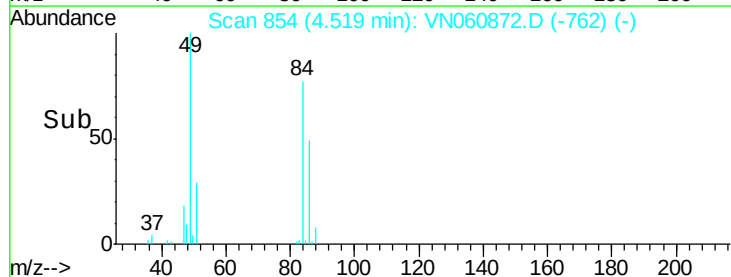
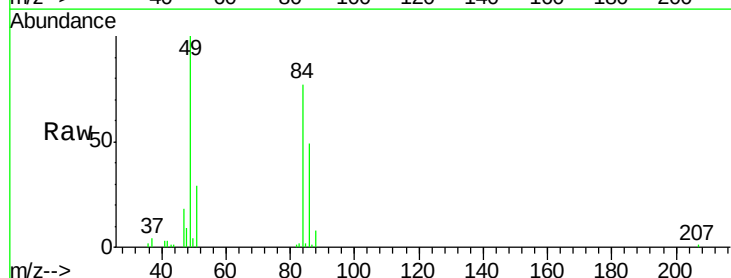
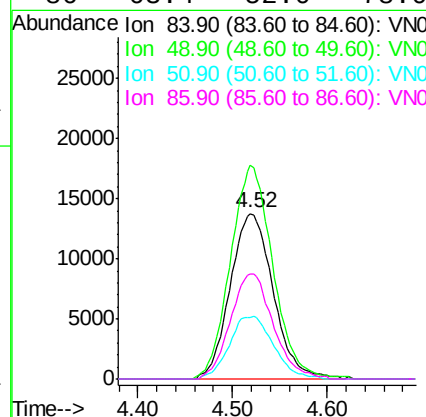
Manual Integrations
APPROVED

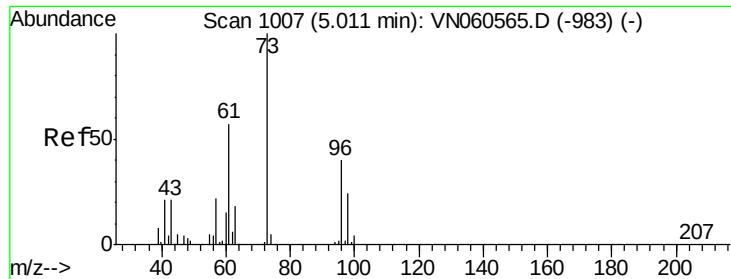
MMDadoda
4/8/2020 9:39:19 AM



#20
Methylene Chloride
Concen: 19.172 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 84 Resp: 43356
Ion Ratio Lower Upper
84 100
49 129.2 103.3 154.9
51 37.2 31.6 47.4
86 63.4 52.0 78.0





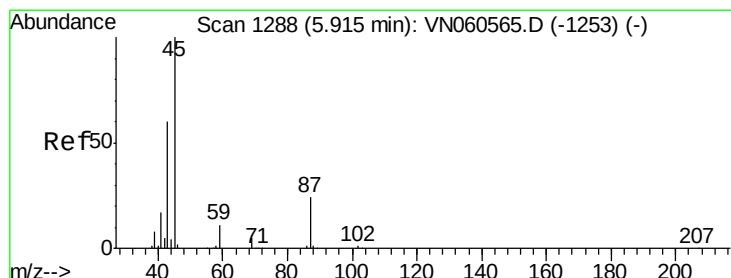
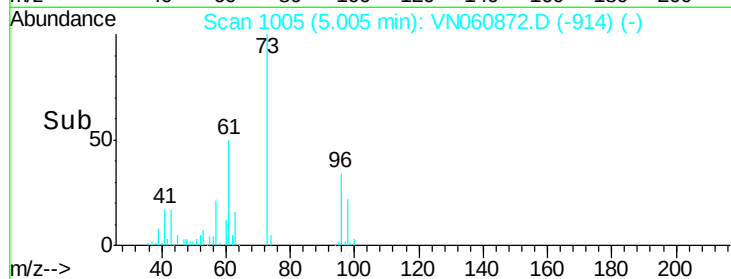
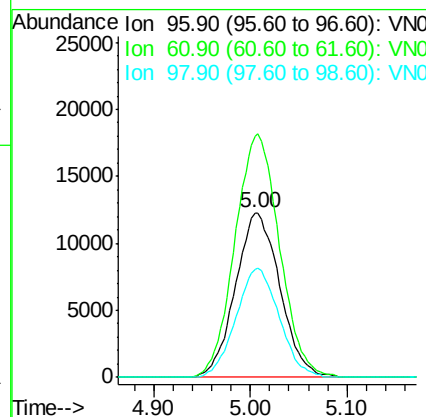
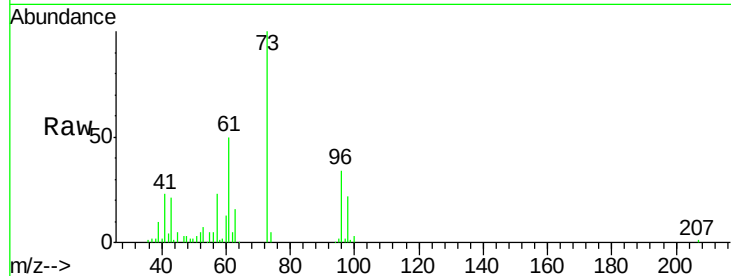
#21
trans-1,2-Dichloroethene
Concen: 17.978 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	114.4	171.6
98	65.4	48.4	72.6

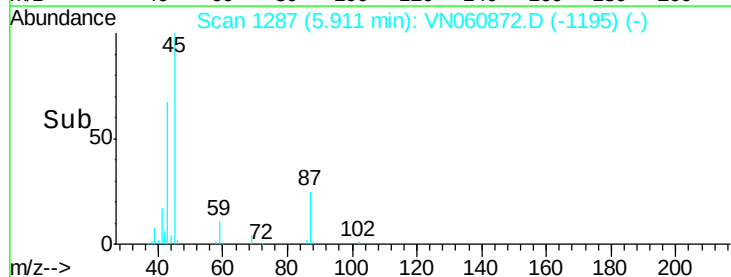
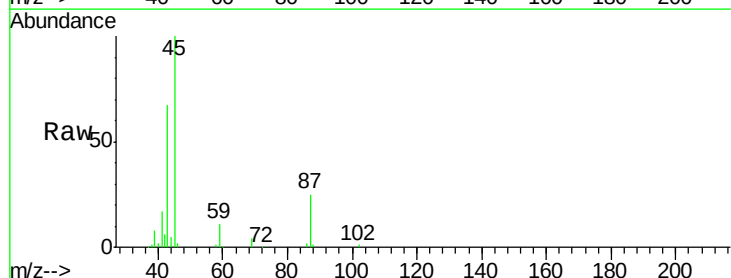
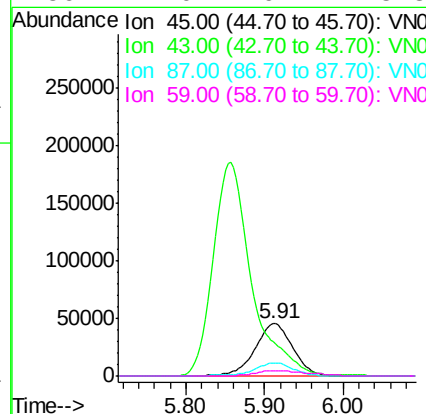
Manual Integrations
APPROVED

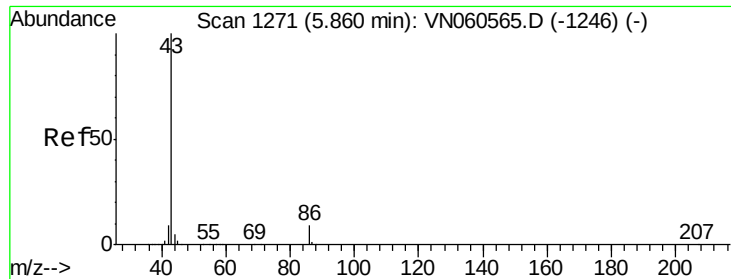
MMDadoda
4/8/2020 9:39:19 AM



#22
Diisopropyl ether
Concen: 20.128 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	49.8	74.8
87	25.2	20.1	30.1
59	11.0	9.2	13.8





#23

Vinyl Acetate

Concen: 100.889 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0407MBS01

Tot Ion: 43 Resp: 626062

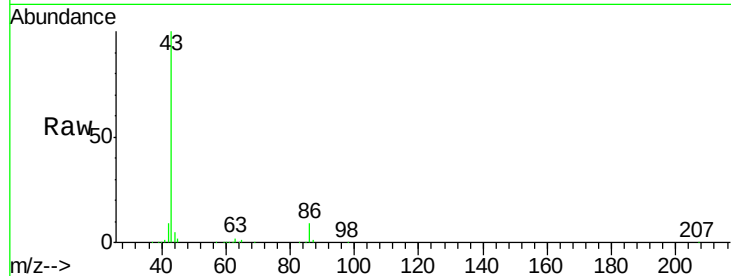
Ion Ratio Lower Upper

43 100

86 9.1 7.6 11.4

Manual Integrations
APPROVED

MMDadoda
4/8/2020 9:39:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

200000

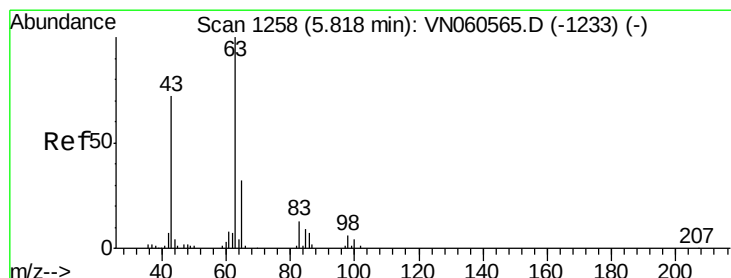
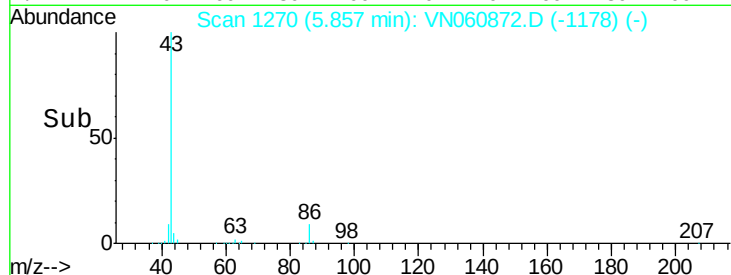
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.131 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

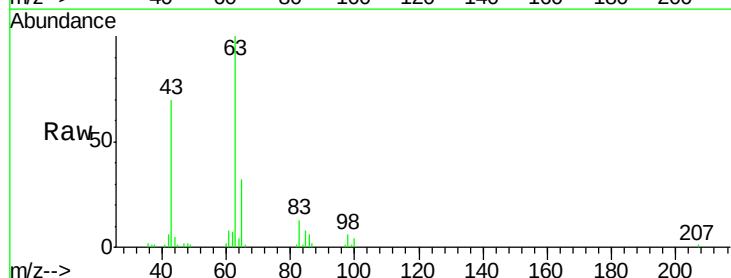
Tgt Ion: 63 Resp: 79318

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.5 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

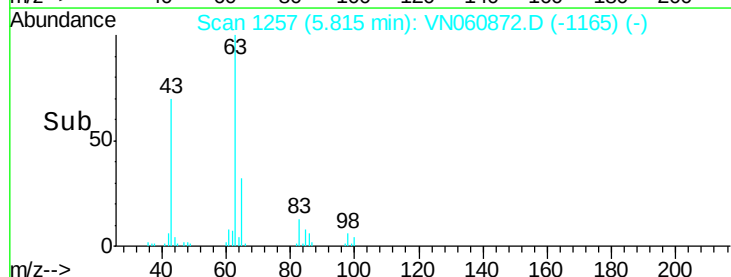
30000

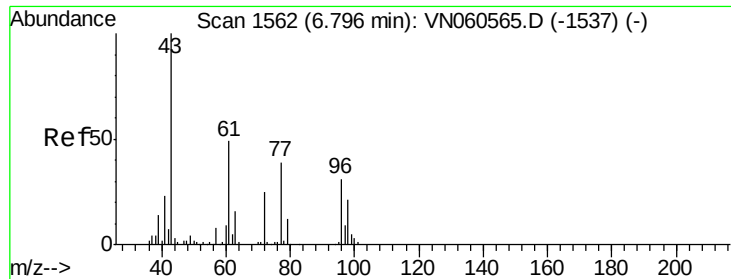
20000

10000

0

Time-->





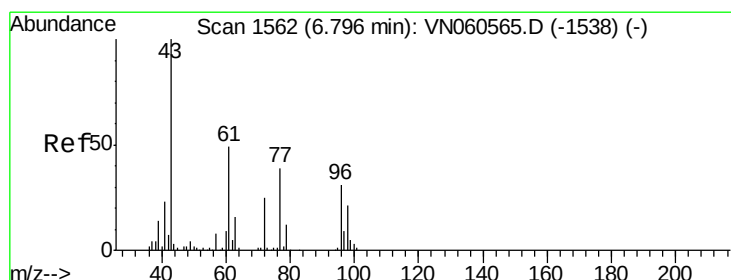
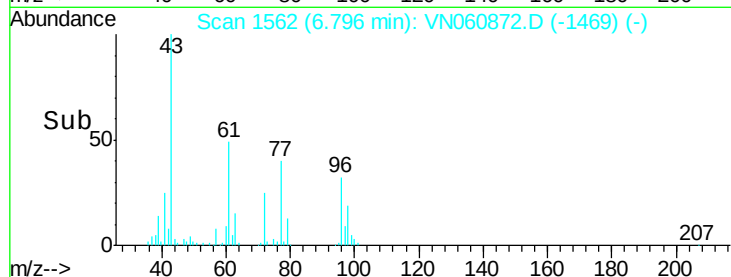
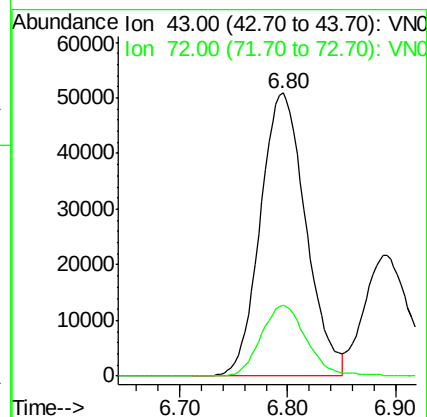
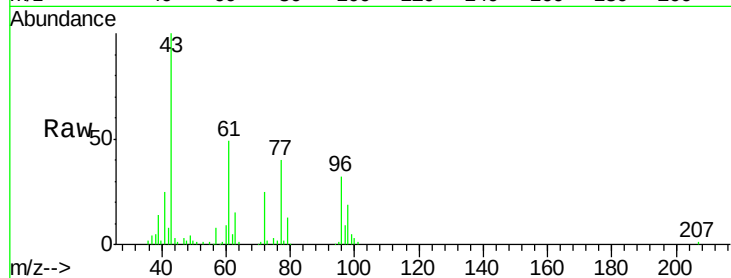
#25
2-Butanone
Concen: 99.874 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion: 43 Resp: 148569
Ion Ratio Lower Upper
43 100
72 24.9 20.4 30.6

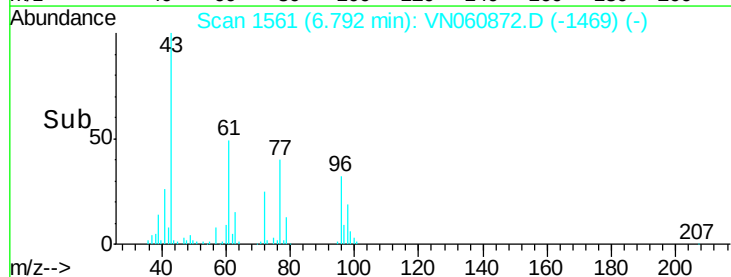
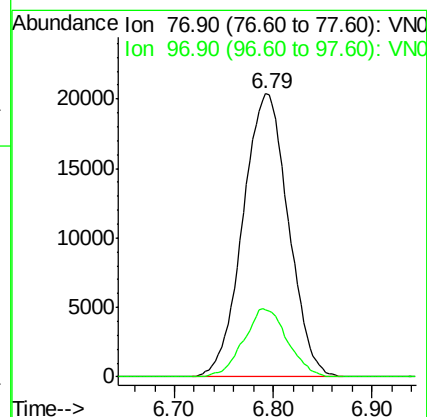
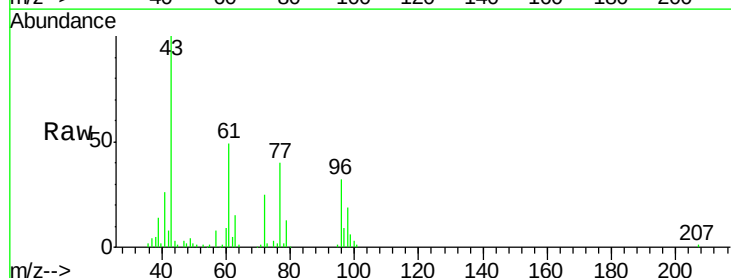
Manual Integrations
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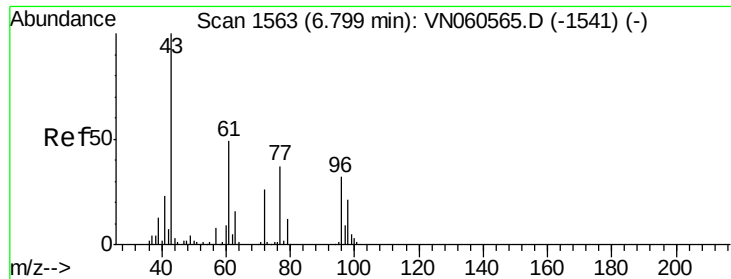
MMDadoda
4/8/2020 9:39:19 AM



#26
2,2-Dichloropropane
Concen: 19.931 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 77 Resp: 65018
Ion Ratio Lower Upper
77 100
97 23.1 11.4 34.1





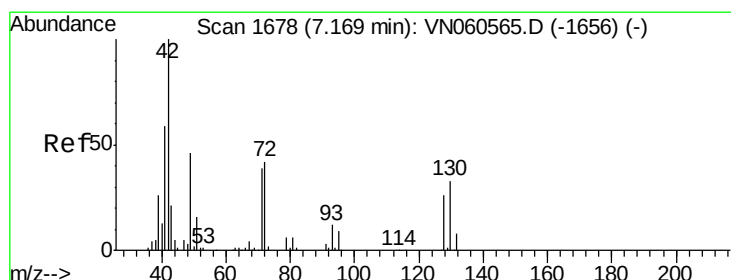
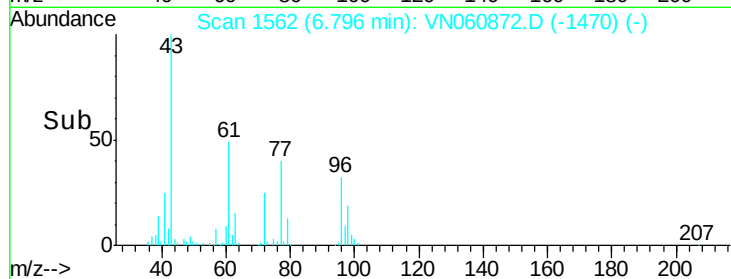
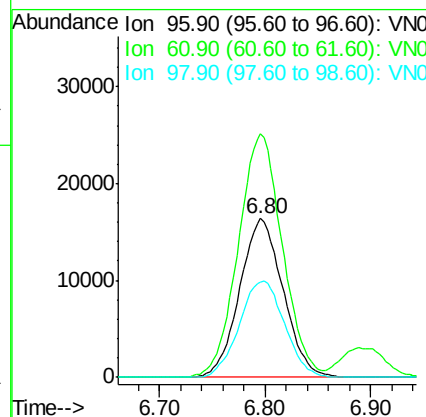
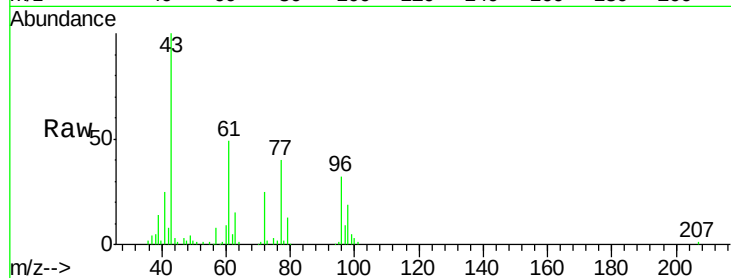
#27
 cis-1,2-Dichloroethene
 Concen: 18.897 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.4	0.0	305.6
98	63.0	0.0	127.6

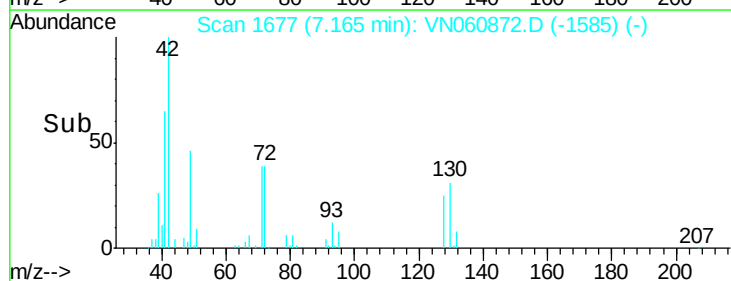
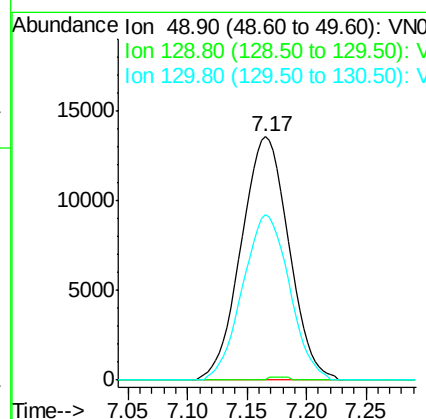
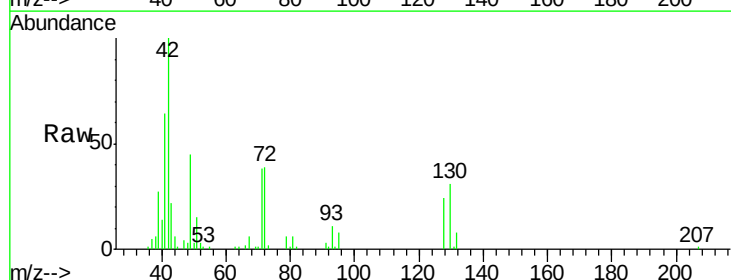
Manual Integrations
 APPROVED

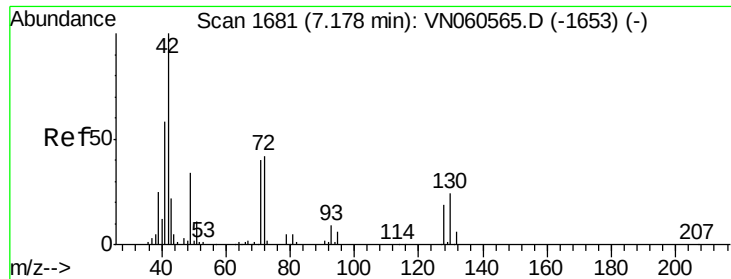
MMDadoda
 4/8/2020 9:39:19 AM



#28
 Bromochloromethane
 Concen: 19.032 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.4
130	66.7	55.0	82.4





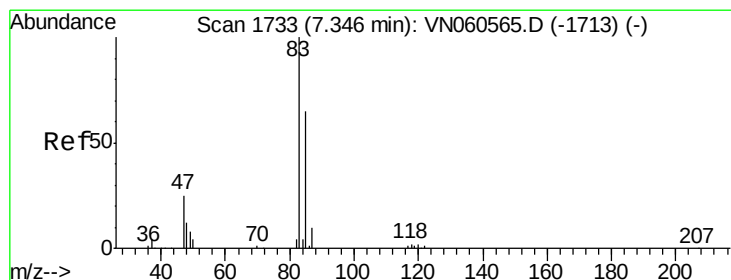
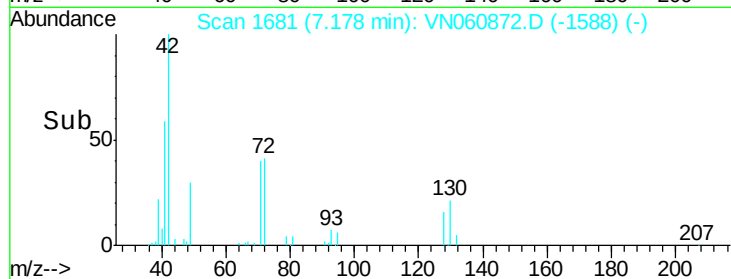
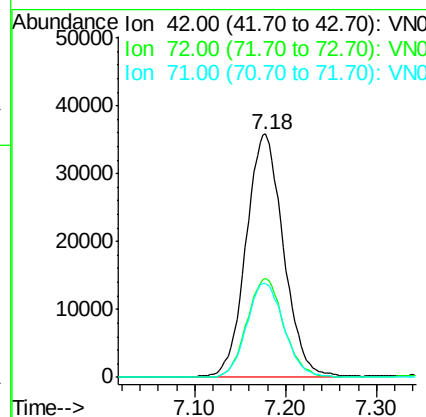
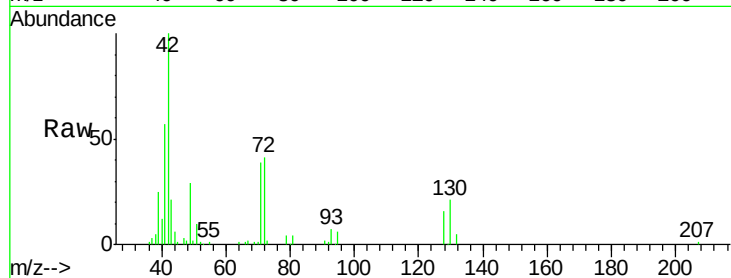
#29
Tetrahydrofuran
Concen: 97.435 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.2	49.8
71	38.4	31.1	46.7

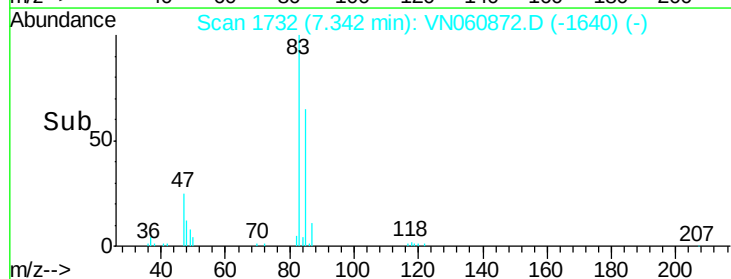
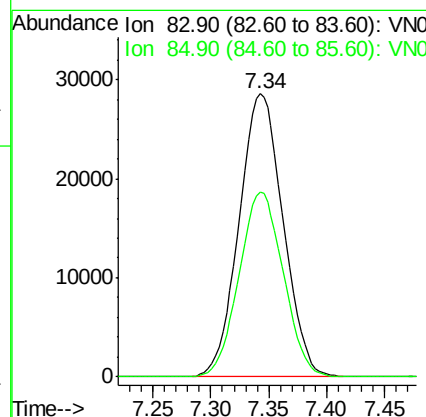
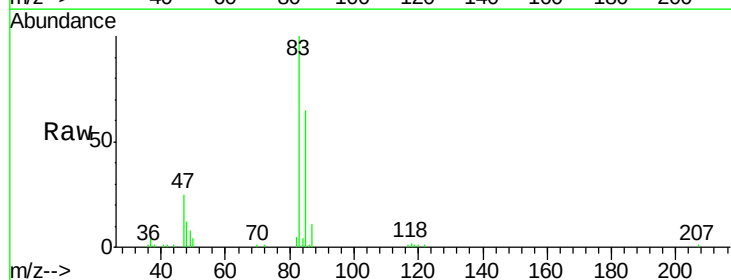
Manual Integrations
APPROVED

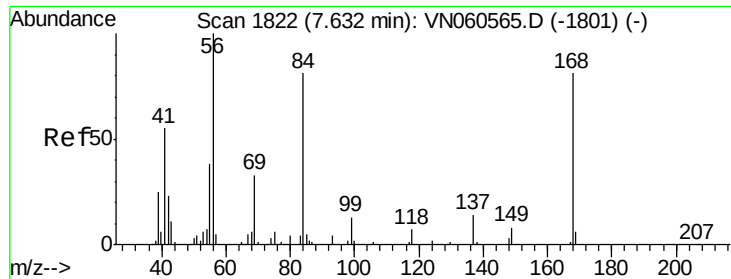
MMDadoda
4/8/2020 9:39:19 AM



#30
Chloroform
Concen: 18.985 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8





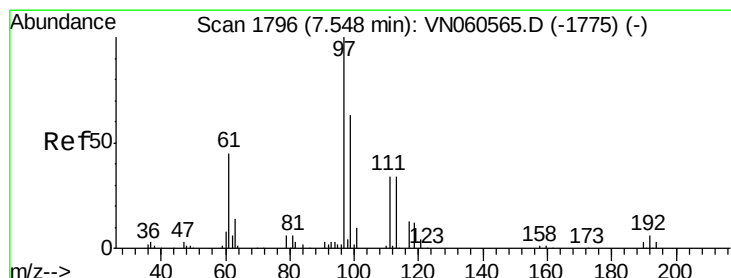
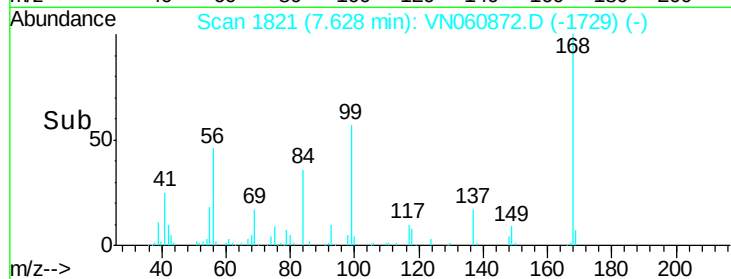
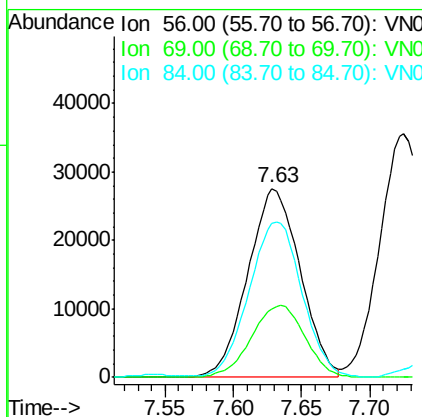
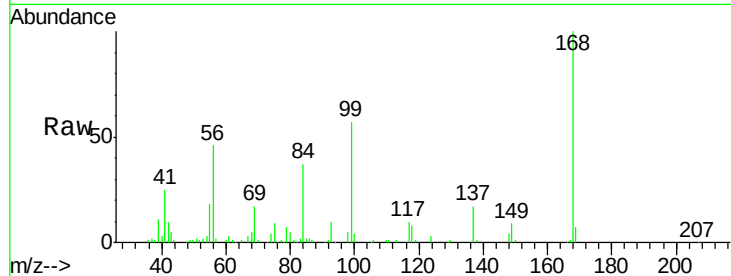
#31
Cyclohexane
Concen: 17.584 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0407MBS01

Tot Ion	56	Resp	73501
Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.6	40.0
84	80.7	64.3	96.5

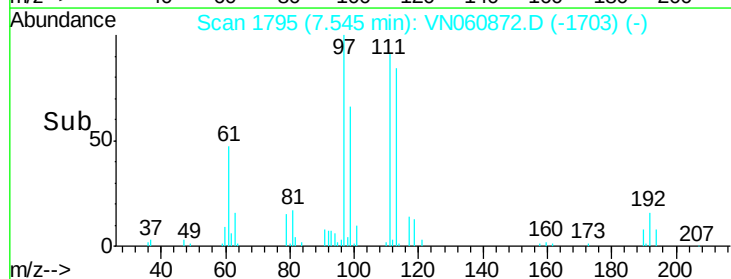
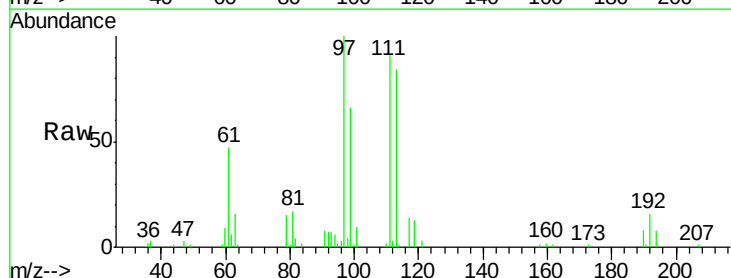
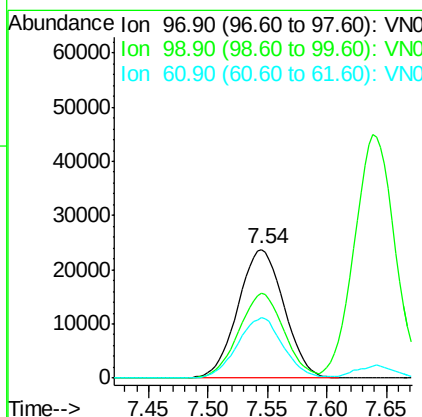
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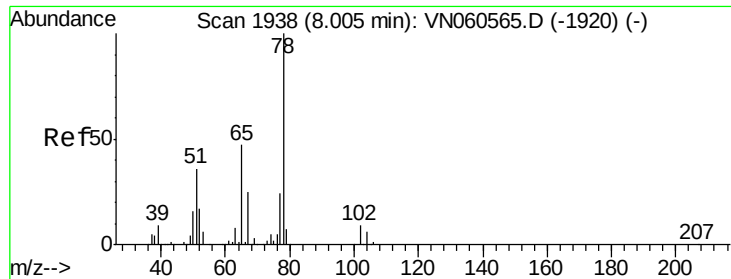
MMDadoda
4/8/2020 9:39:19 AM



#32
1,1,1-Trichloroethane
Concen: 18.563 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	97	Resp	63607
Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.6	75.8
61	46.4	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 47.921 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

Tot Ion: 65 Resp: 124365

Ion Ratio Lower Upper

65 100

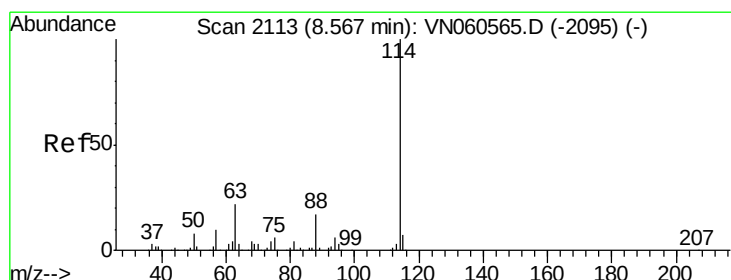
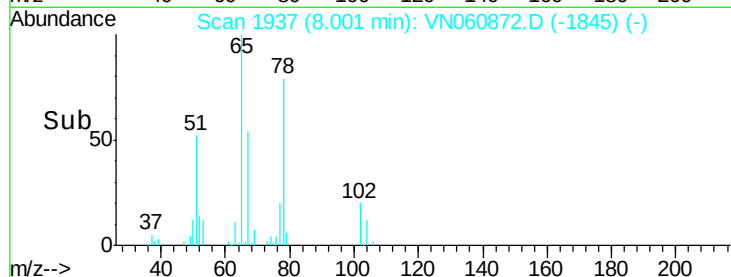
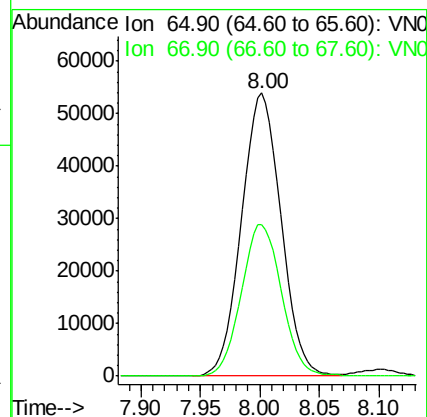
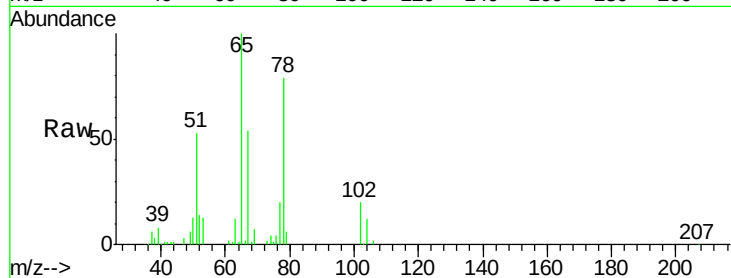
67 54.5 0.0 107.6

Manual Integrations

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4/8/2020 9:39:19 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

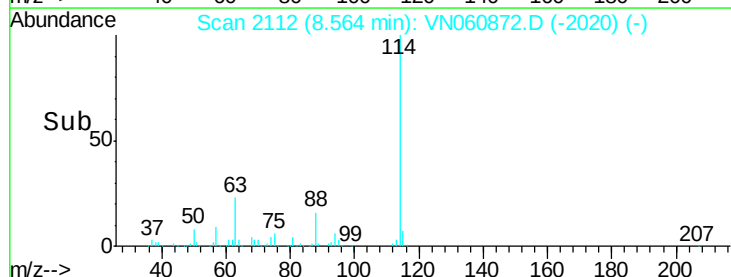
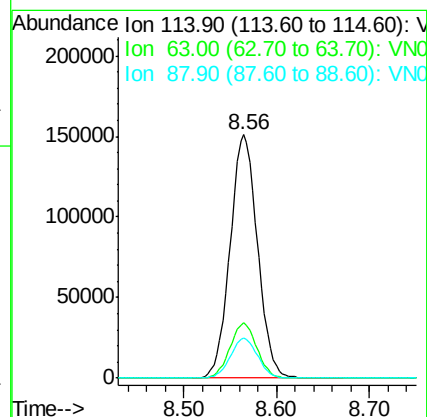
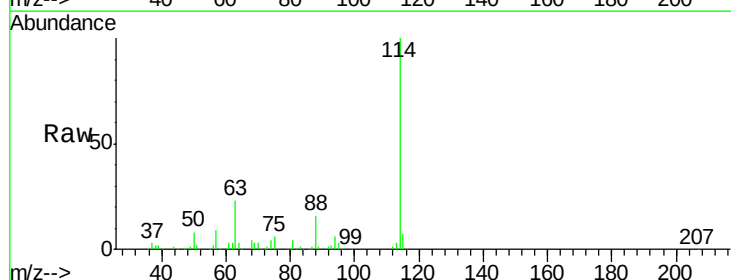
Tgt Ion: 114 Resp: 309319

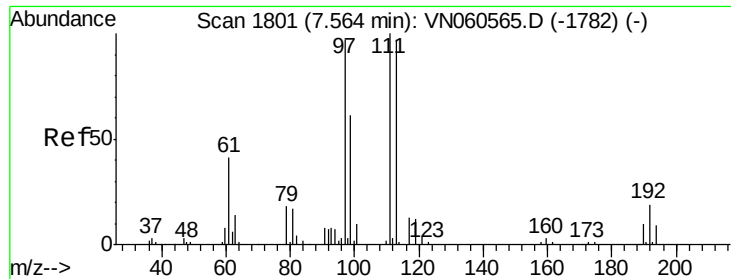
Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

88 16.5 0.0 33.0





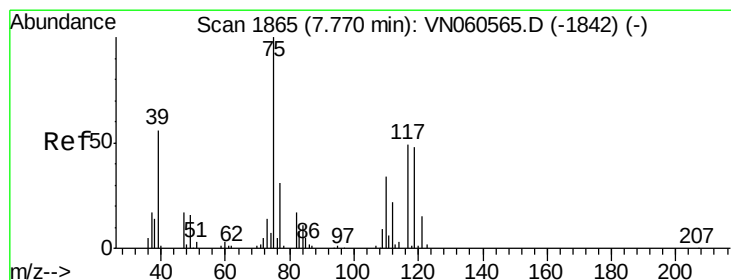
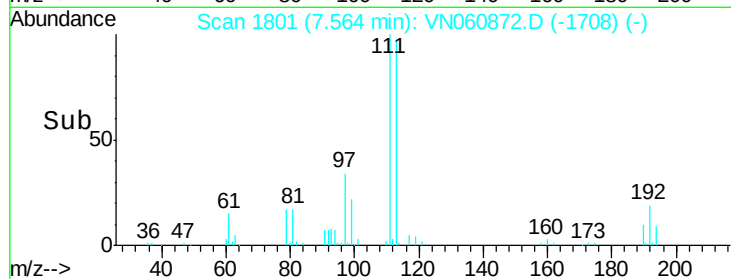
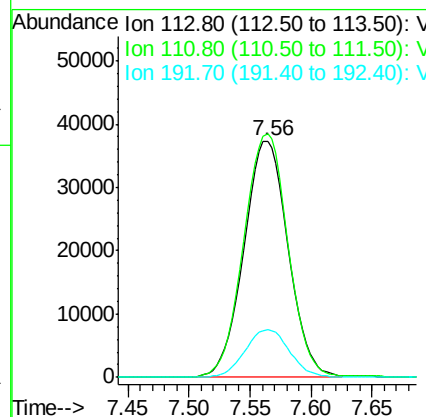
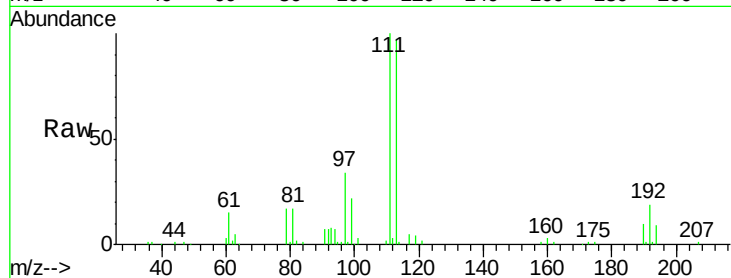
#35
 Dibromofluoromethane
 Concen: 50.067 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	20.1	15.8	23.8

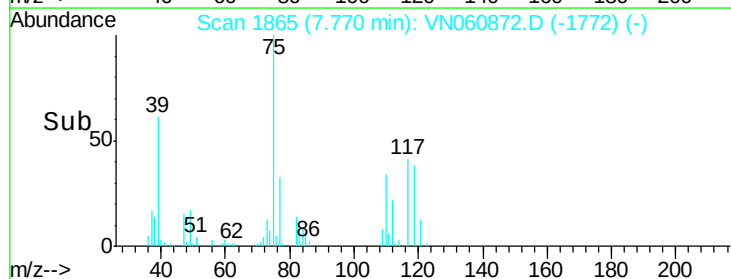
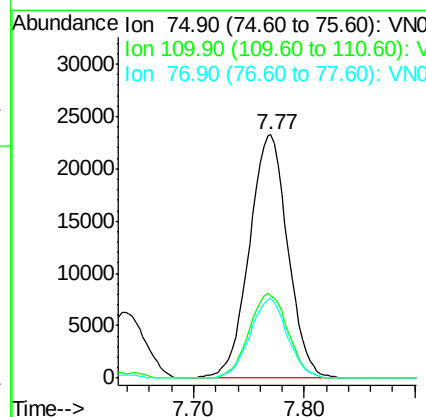
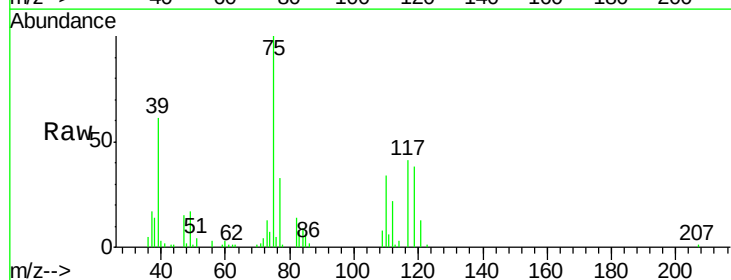
Manual Integrations
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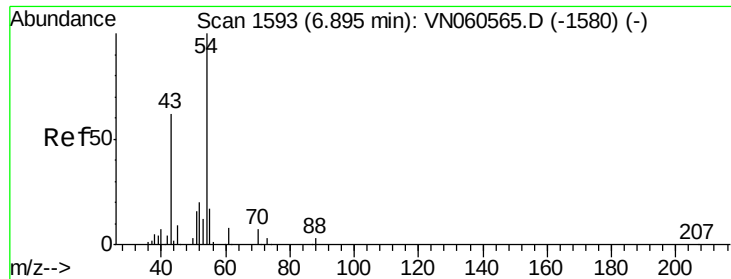
MMDadoda
 4/8/2020 9:39:19 AM



#36
 1,1-Dichloropropene
 Concen: 18.819 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.9	50.6
77	31.9	24.6	36.8





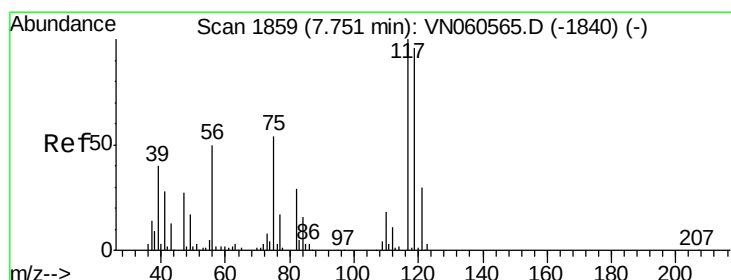
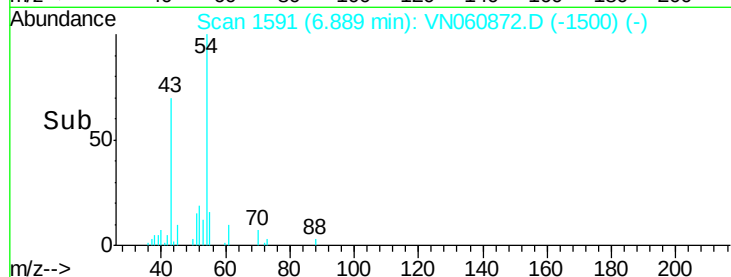
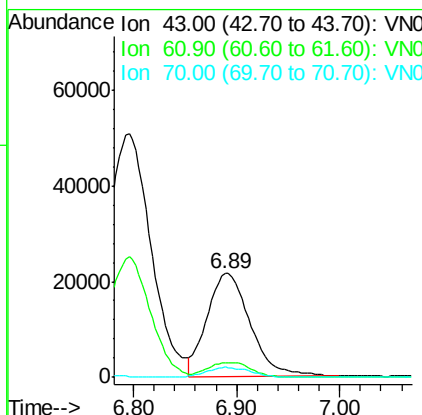
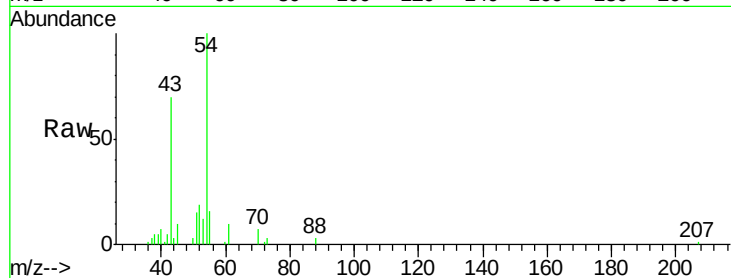
#37
Ethyl Acetate
Concen: 19.474 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.5	10.6	15.8	
70	9.6	7.9	11.9	

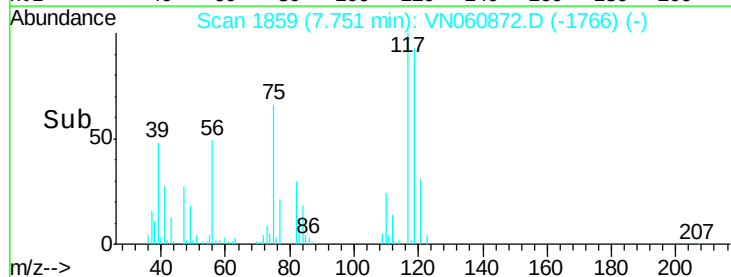
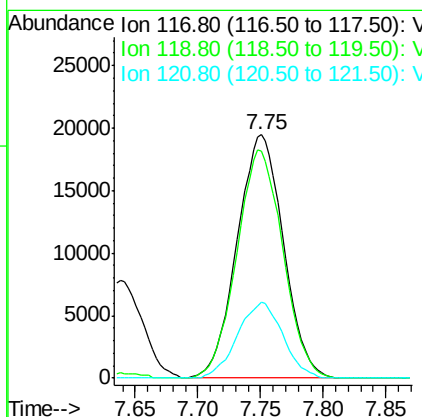
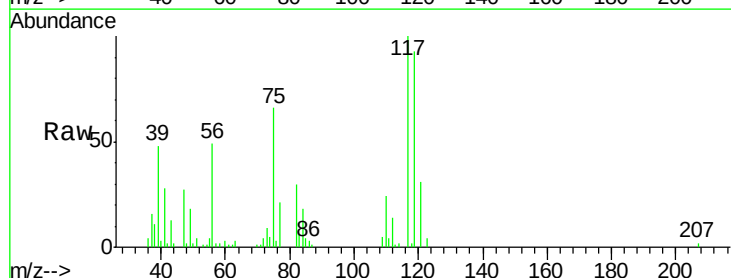
Manual Integrations
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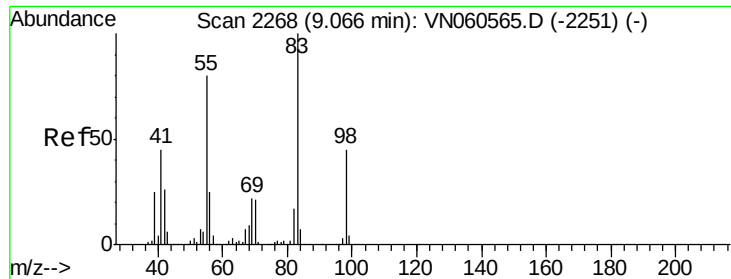
MMDadoda
4/8/2020 9:39:19 AM



#38
Carbon Tetrachloride
Concen: 18.610 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.3	76.2	114.2	
121	31.0	23.7	35.5	





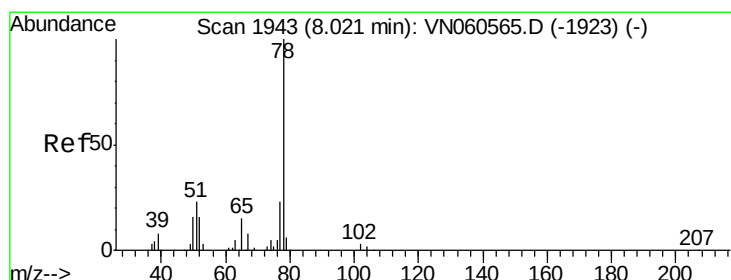
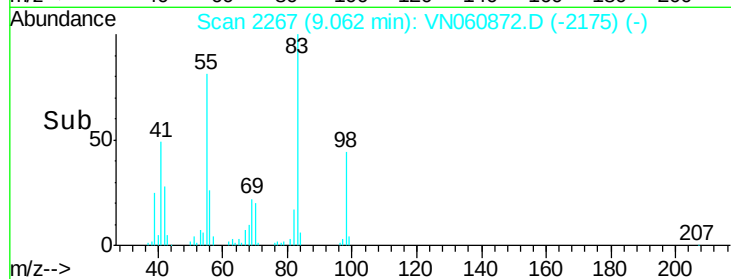
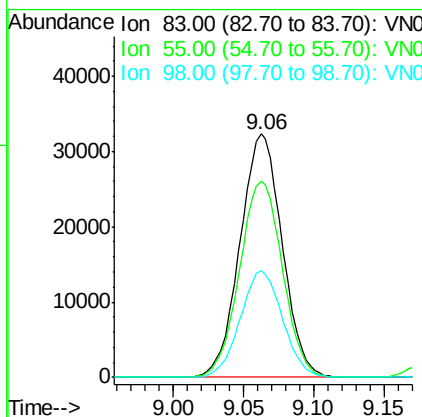
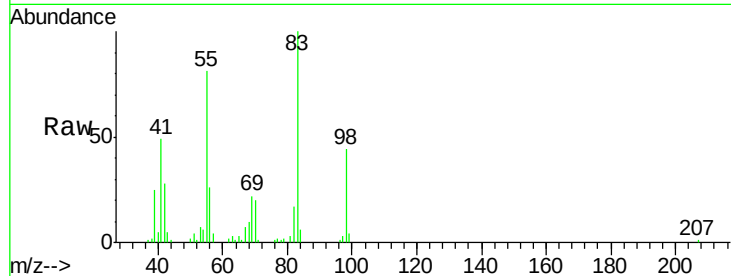
#39
Methylvlcyclohexane
Concen: 18.989 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	83.00	Resp:	67590
Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.6	95.4
98	43.7	36.0	54.0

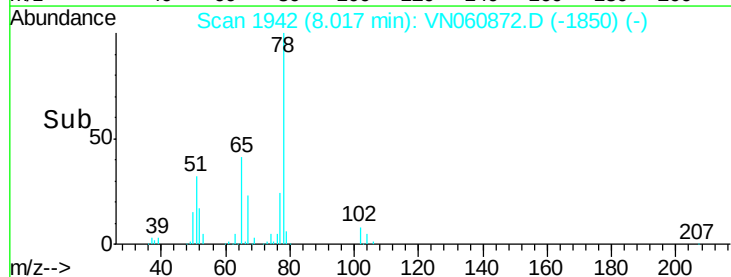
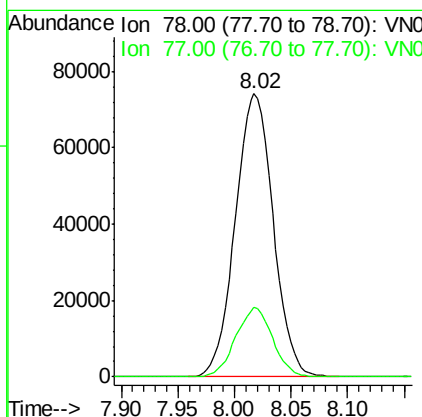
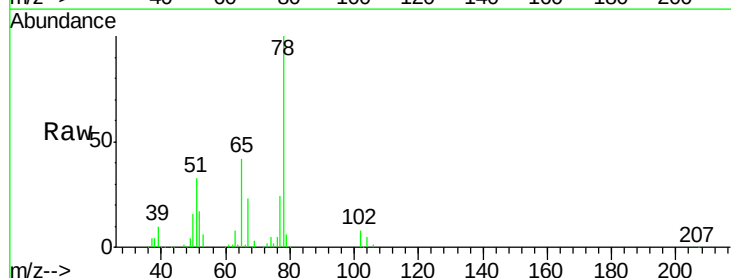
Manual Integrations
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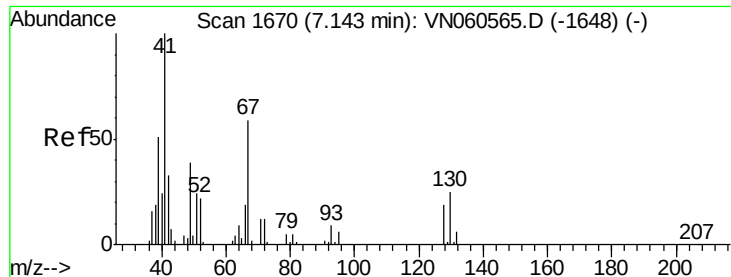
MMDadoda
4/8/2020 9:39:19 AM



#40
Benzene
Concen: 19.173 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	78.00	Resp:	173353
Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	28.0





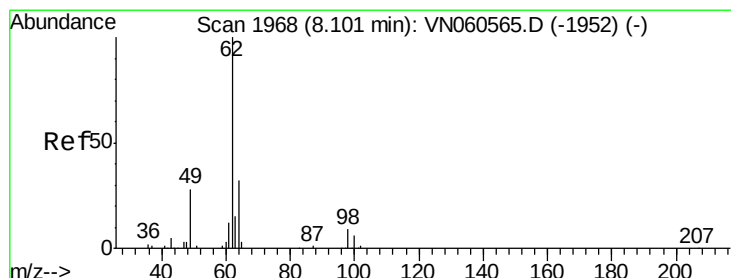
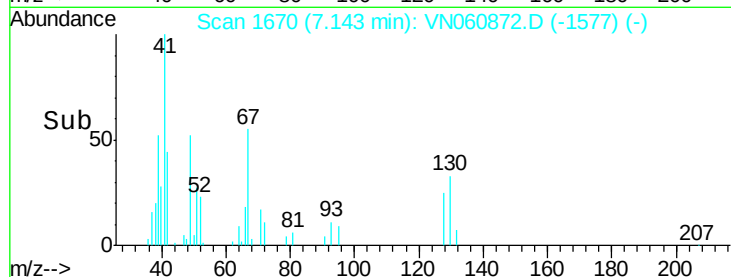
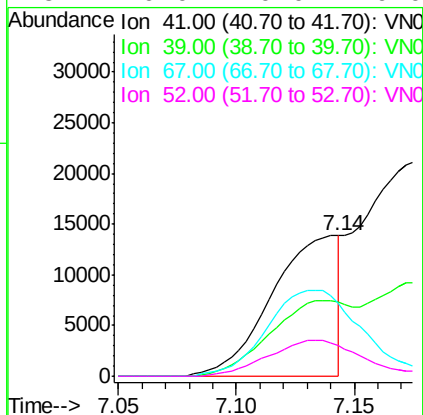
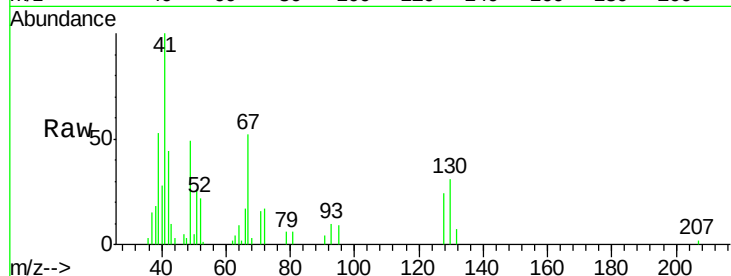
#41
Methacrylonitrile
Concen: 19.635 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	41	Resp	27119
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

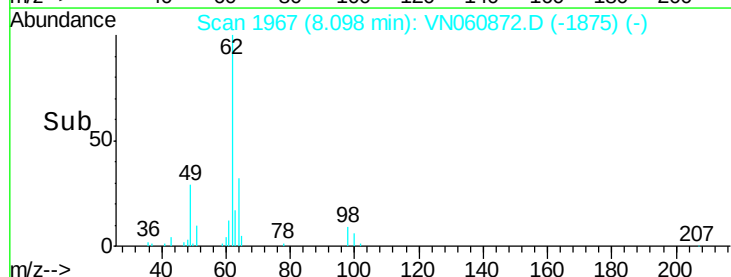
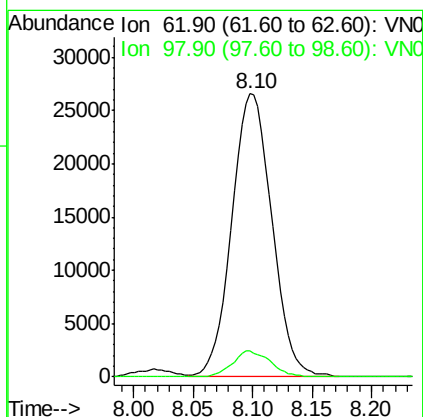
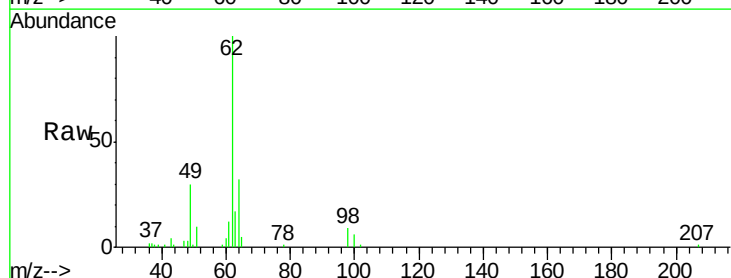
Manual Integrations
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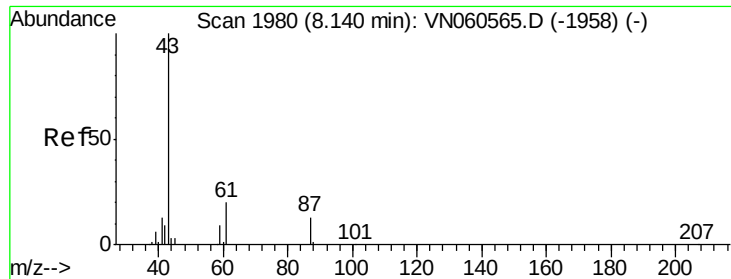
MMDadoda
4/8/2020 9:39:19 AM



#42
1,2-Dichloroethane
Concen: 20.096 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	62	Resp	62098
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8





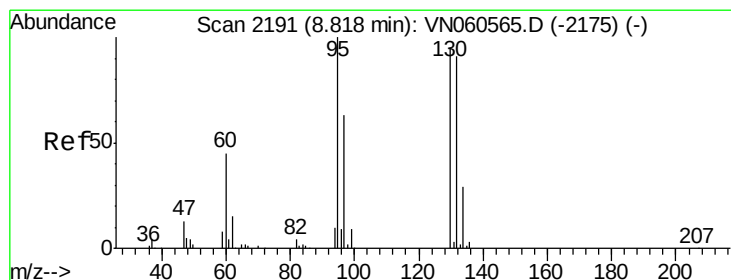
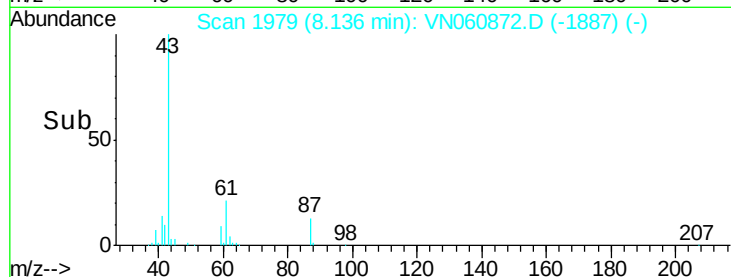
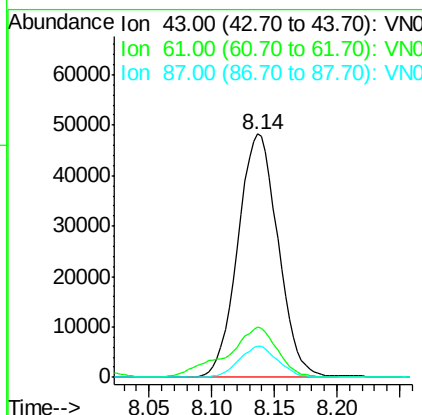
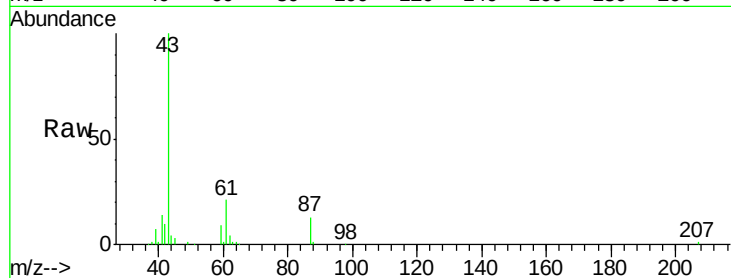
#43
Isopropyl Acetate
Concen: 20.204 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.7	31.1
87	12.2	9.8	14.8

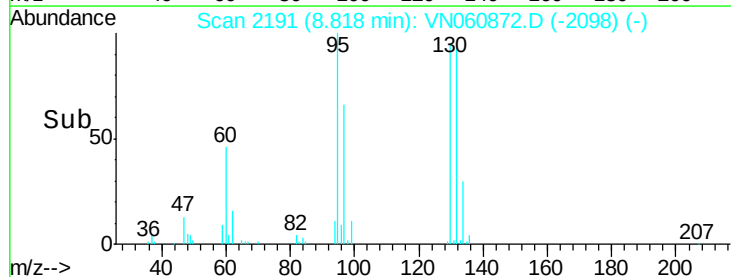
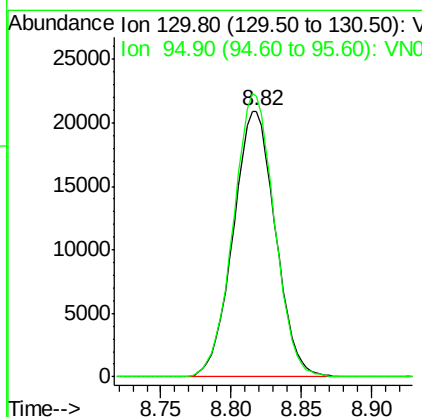
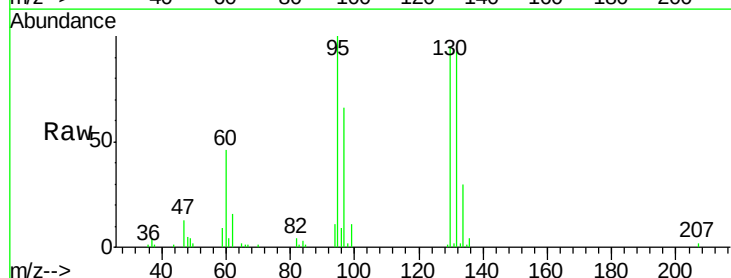
Manual Integrations
APPROVED

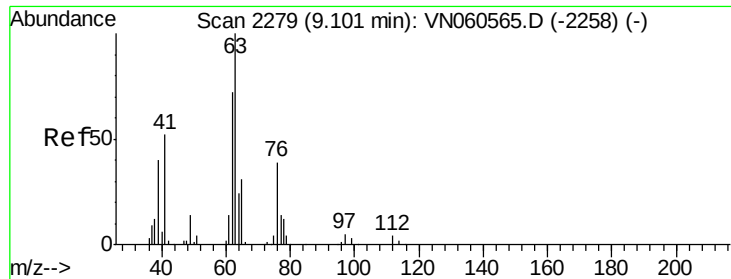
MMDadoda
4/8/2020 9:39:19 AM



#44
Trichloroethene
Concen: 19.215 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	211.2





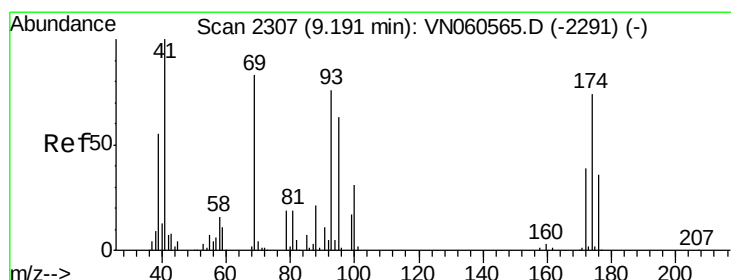
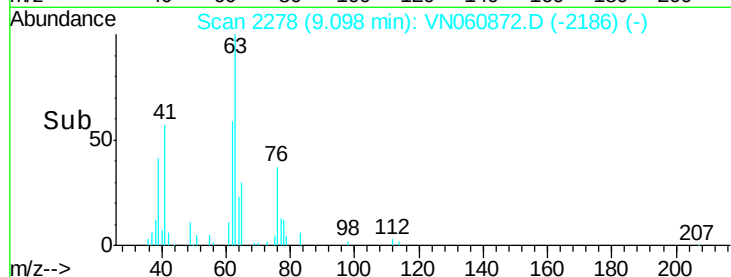
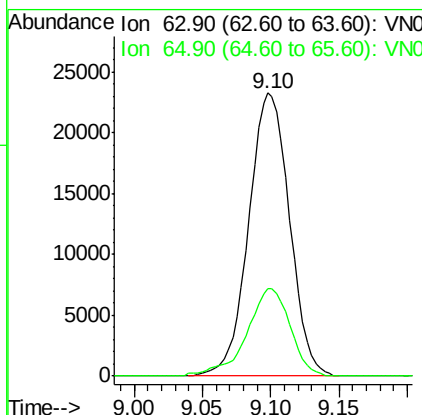
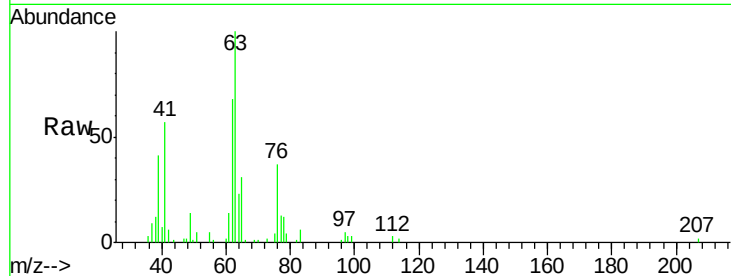
#45
 1,2-Dichloropropane
 Concen: 20.242 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0407MBS01

Tot Ion: 63 Resp: 48293
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.0

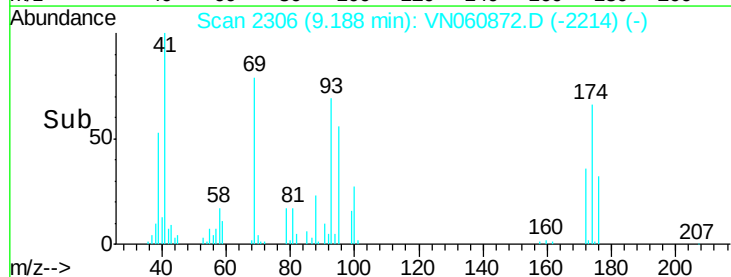
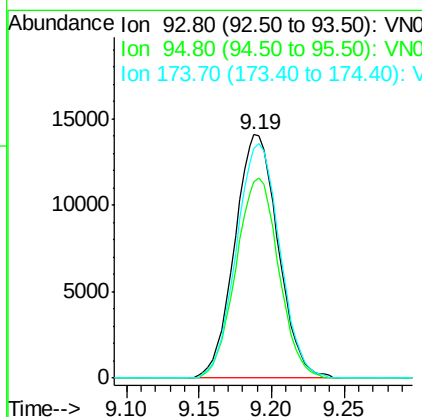
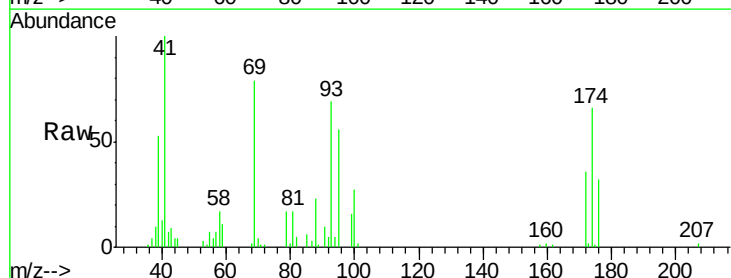
Manual Integrations
 APPROVED

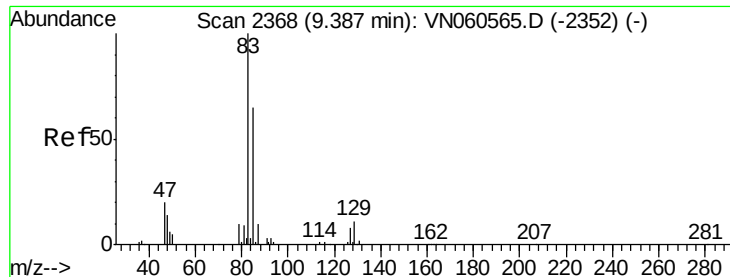
MMDadoda
 4/8/2020 9:39:19 AM



#46
 Dibromomethane
 Concen: 20.344 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion: 93 Resp: 29344
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.2 99.4
 174 96.0 77.9 116.9





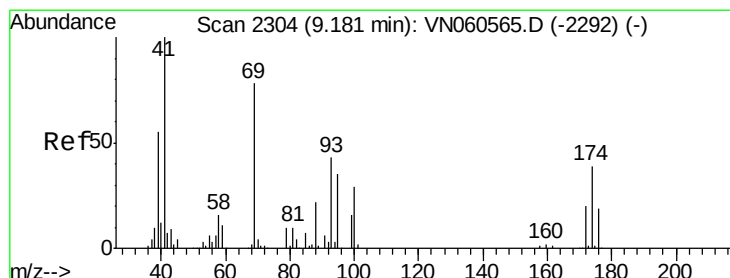
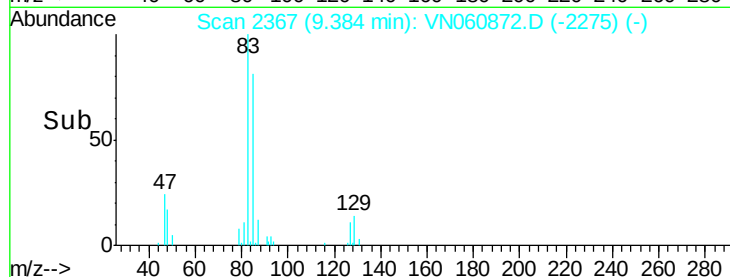
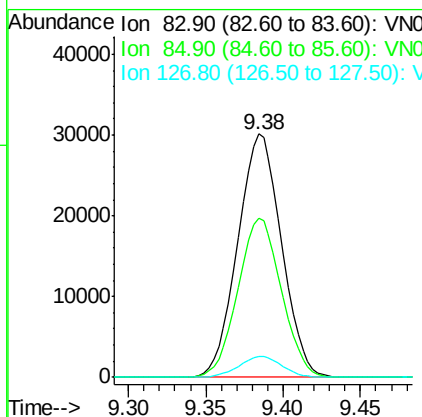
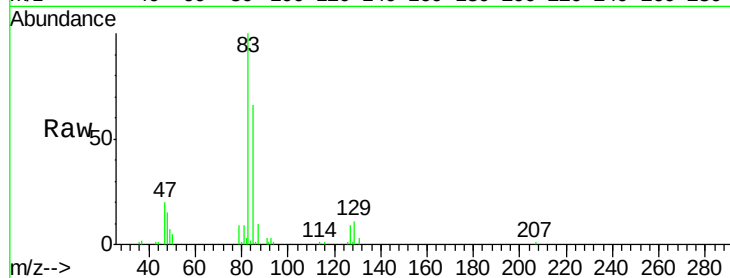
#47
Bromodichloromethane
Concen: 19.771 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	83	Resp	59259
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	51.8	77.6
127	8.8	6.5	9.7

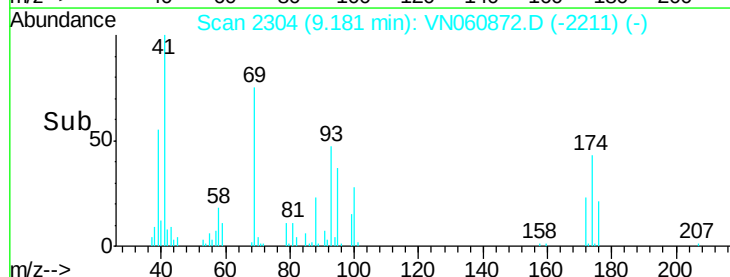
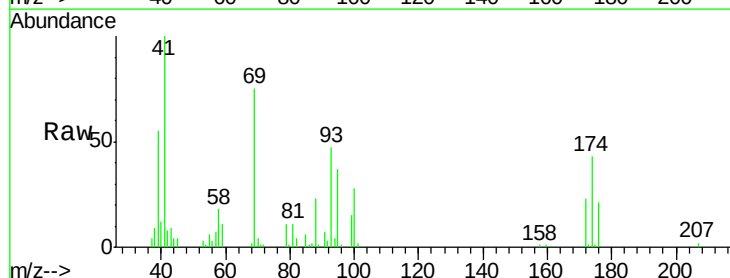
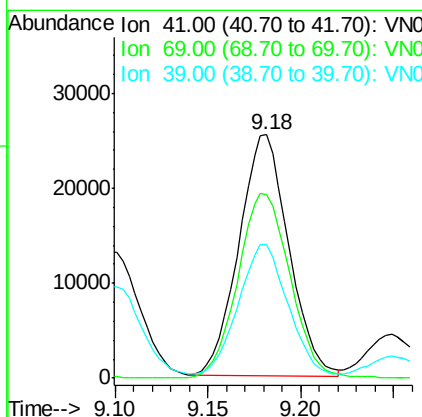
Manual Integrations
APPROVED

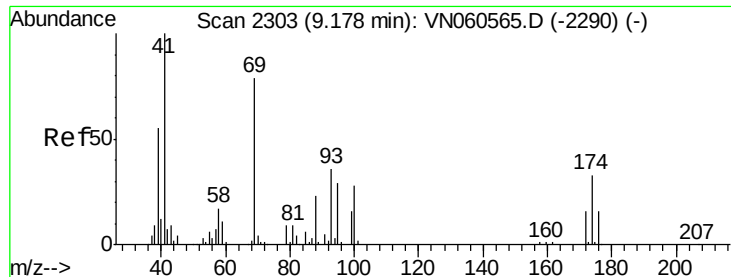
MMDadoda
4/8/2020 9:39:19 AM



#48
Methyl methacrylate
Concen: 19.919 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	41	Resp	47334
Ion Ratio	100	Lower	Upper
41	100		
69	80.2	65.4	98.0
39	56.4	44.0	66.0





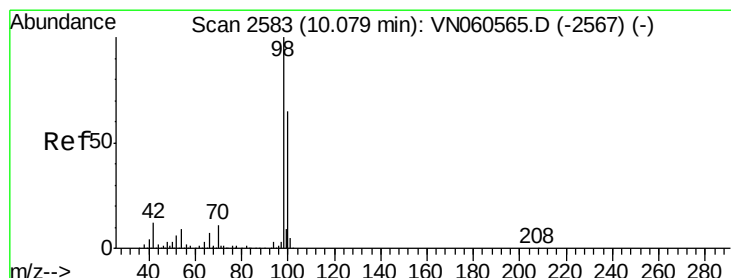
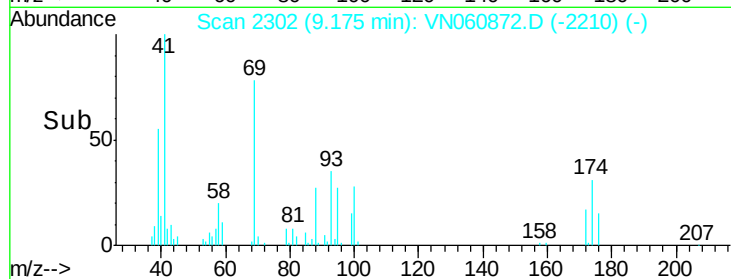
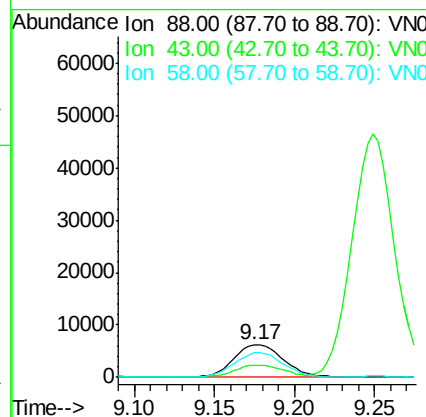
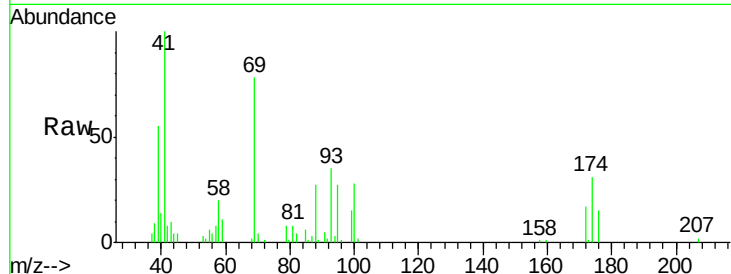
#49
1,4-Dioxane
Concen: 468.922 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	13245		
43	37.9		30.8	46.2
58	74.2		59.8	89.8

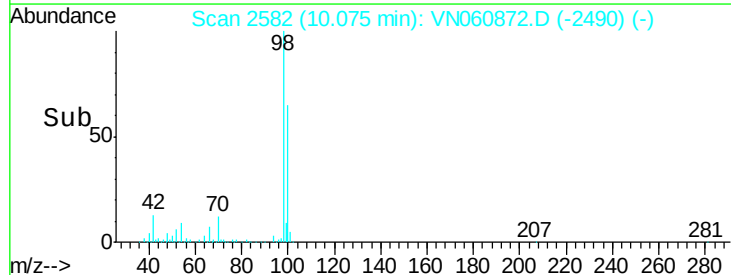
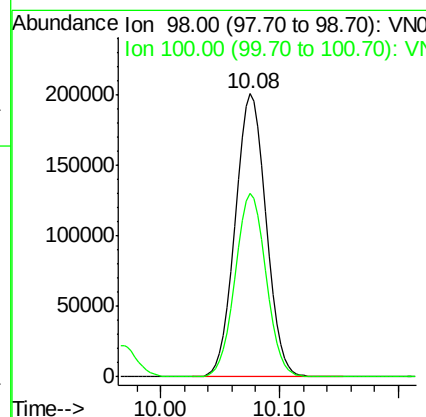
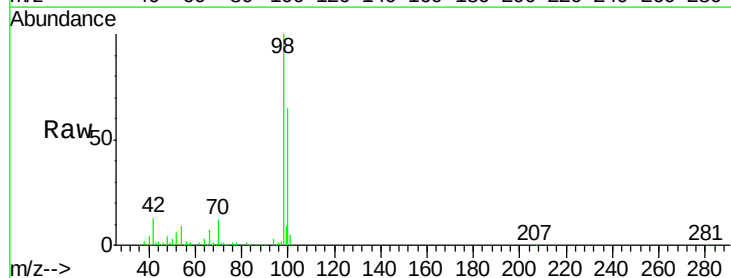
Manual Integrations
APPROVED

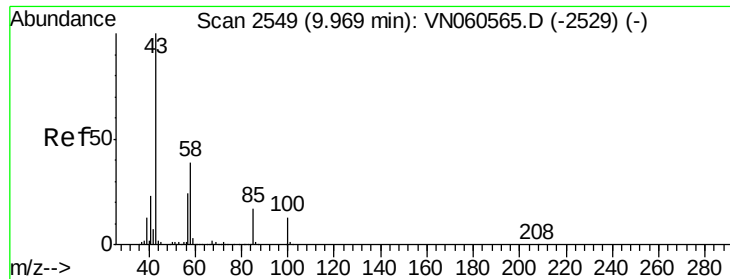
MMDadoda
4/8/2020 9:39:19 AM



#50
Toluene-d8
Concen: 47.393 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	362063		
100	64.9		51.8	77.8





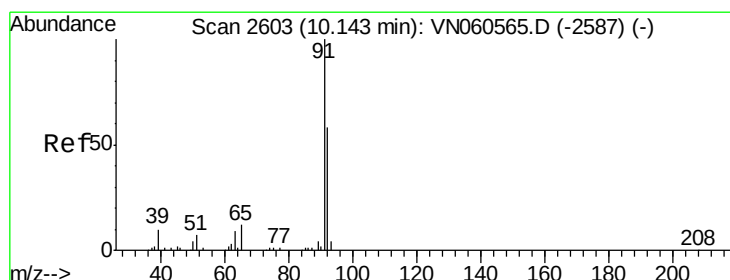
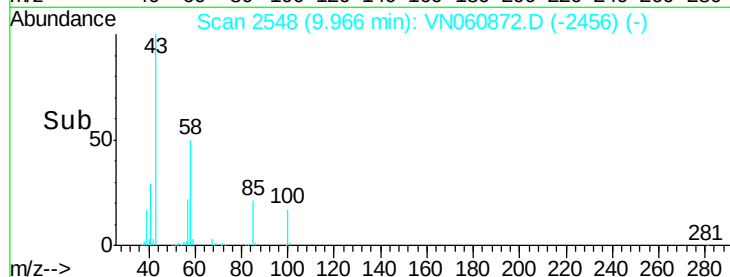
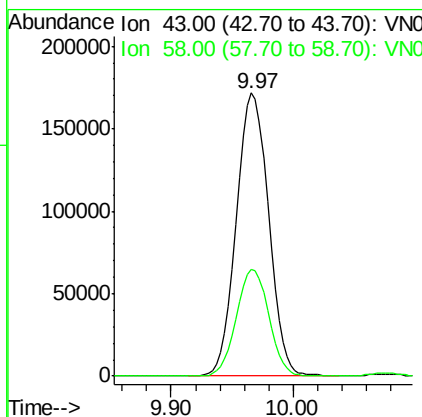
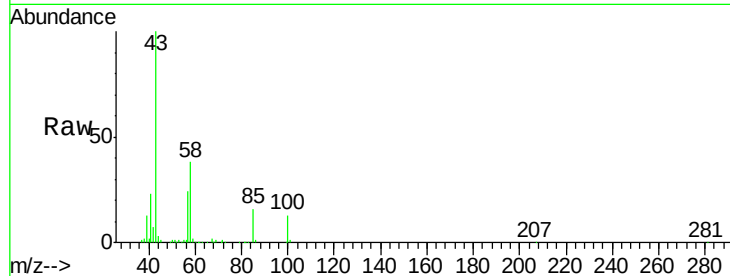
#51
4-Methyl-2-Pentanone
Concen: 103.695 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.8	46.2

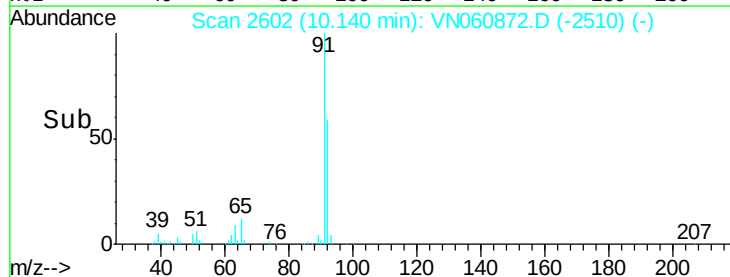
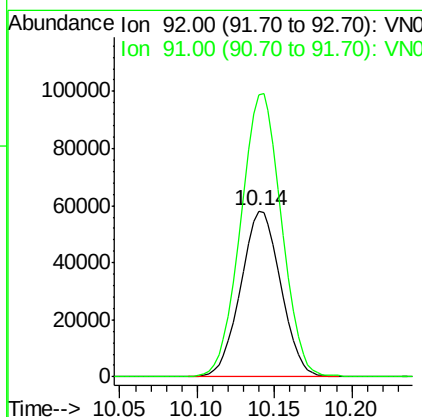
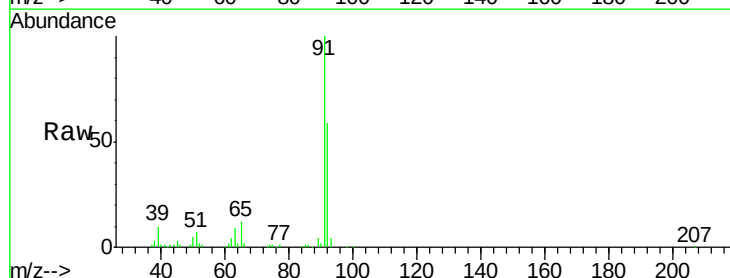
Manual Integrations
APPROVED

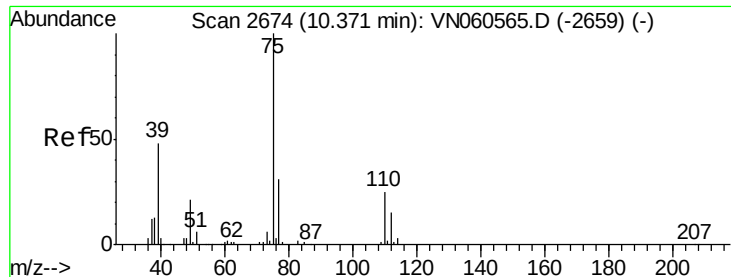
MMDadoda
4/8/2020 9:39:19 AM



#52
Toluene
Concen: 19.209 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	137.6	206.4





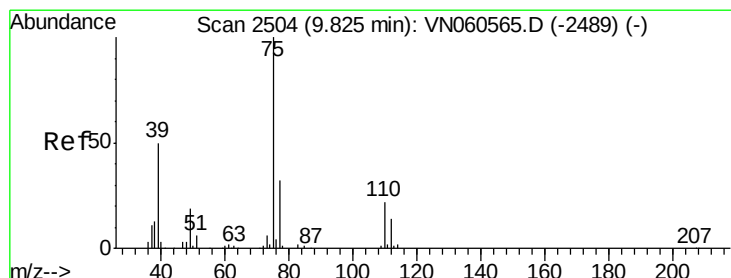
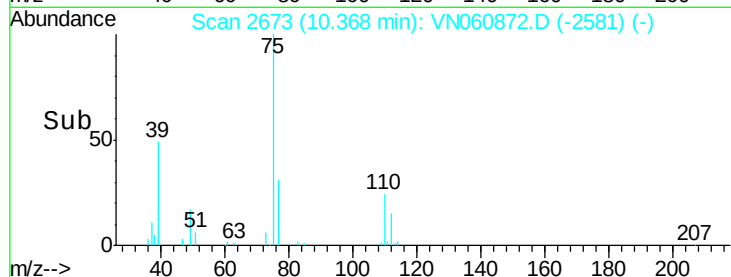
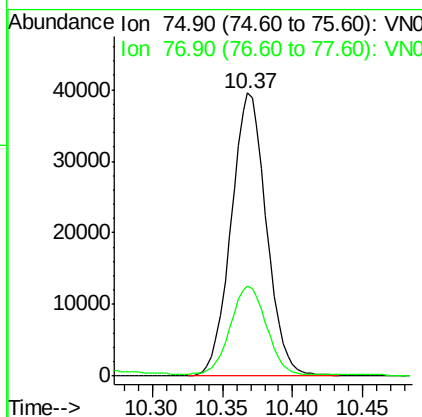
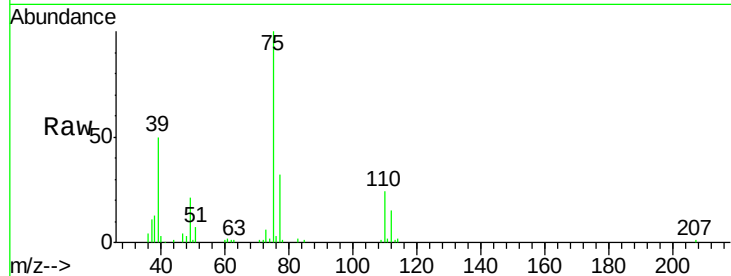
#53
t-1,3-Dichloropropene
Concen: 20.098 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0407MBS01

Tot Ion: 75 Resp: 69196
Ion Ratio Lower Upper
75 100
77 31.1 25.1 37.7

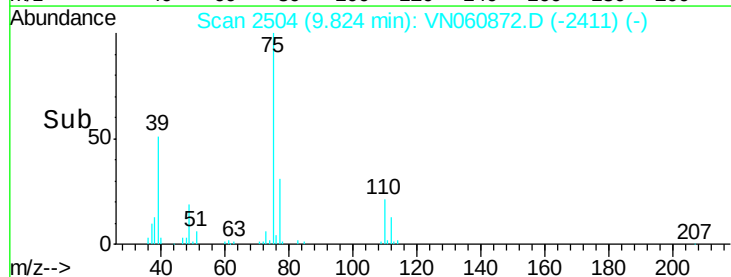
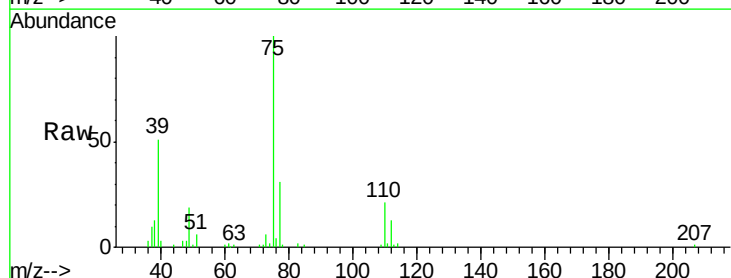
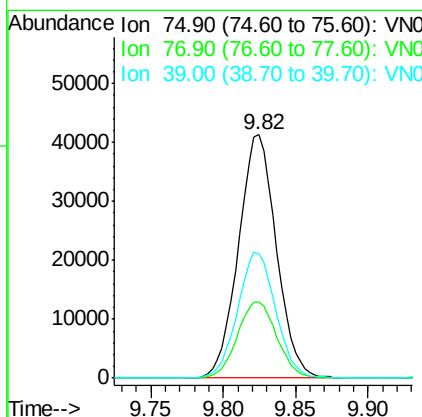
Manual Integrations
APPROVED

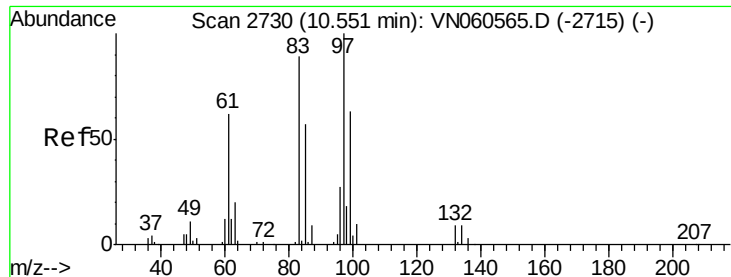
MMDadoda
4/8/2020 9:39:19 AM



#54
cis-1,3-Dichloropropene
Concen: 19.909 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 75 Resp: 75198
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0
39 51.4 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 20.220 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

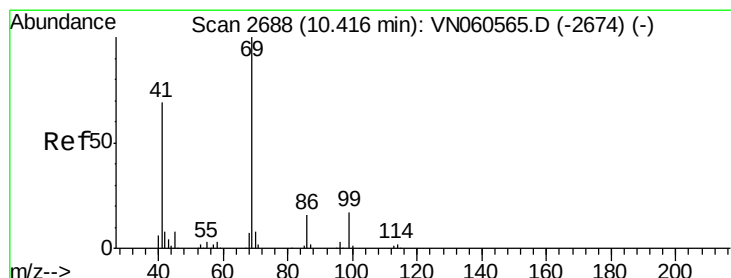
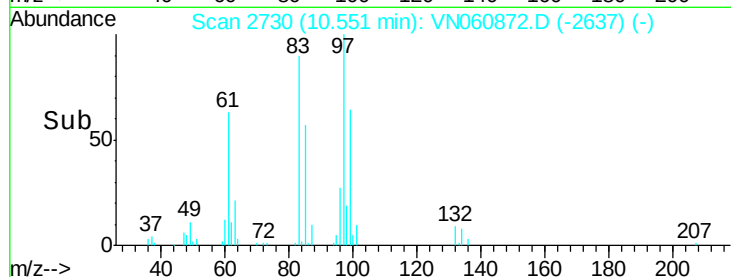
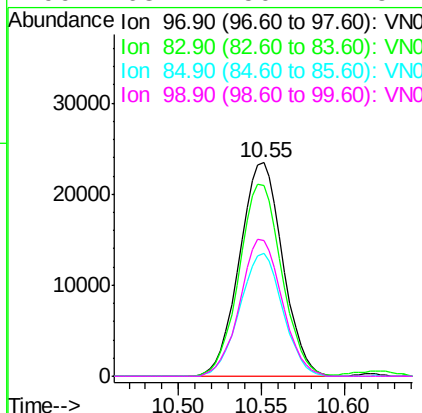
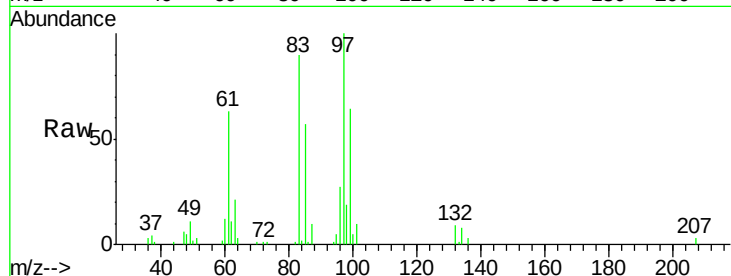
ClientSampleId :

VN0407MBS01

Tot Ion:	97	Resp:	42477
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.3	106.9
85	57.3	45.2	67.8
99	63.7	50.1	75.1

Manual Integrations
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MMDadoda
4/8/2020 9:39:19 AM



#56

Ethyl methacrylate

Concen: 19.843 ug/l

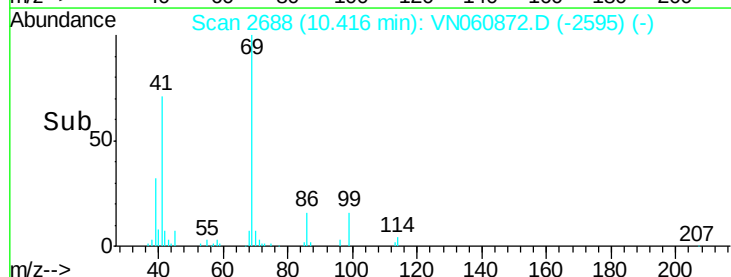
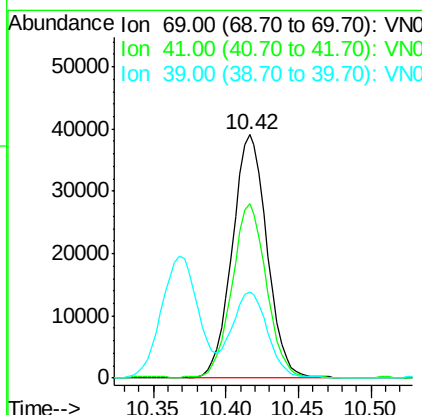
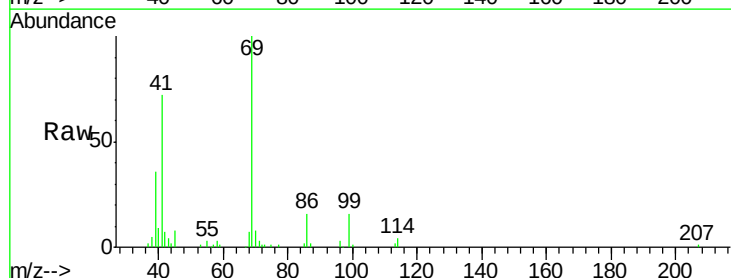
RT: 10.42 min Scan# 2688

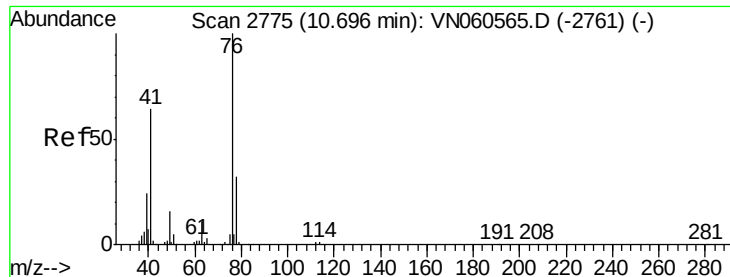
Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Tgt Ion:	69	Resp:	64998
Ion	Ratio	Lower	Upper
69	100		
41	71.2	55.4	83.2
39	36.6	29.4	44.0





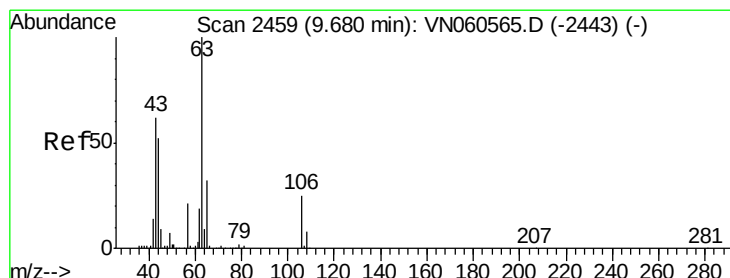
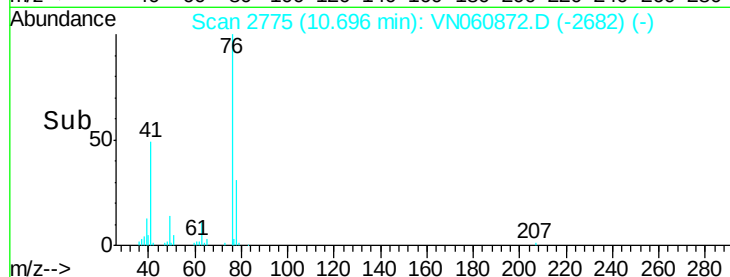
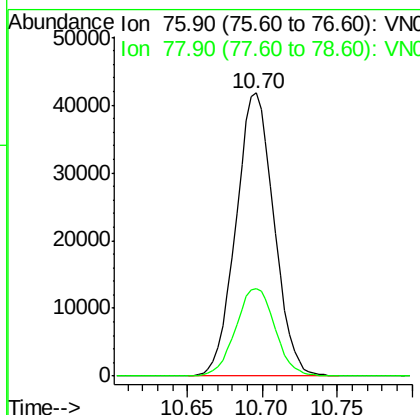
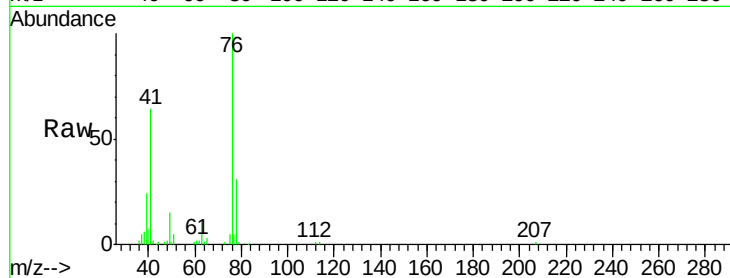
#57
 1,3-Dichloropropane
 Concen: 20.273 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

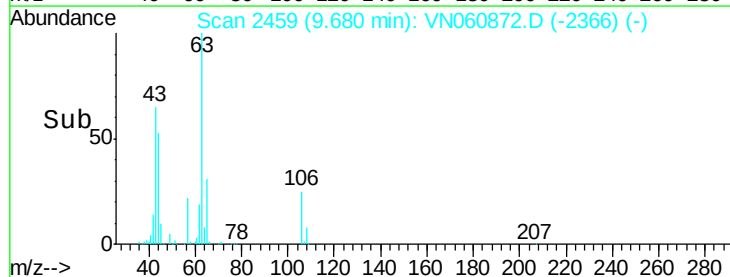
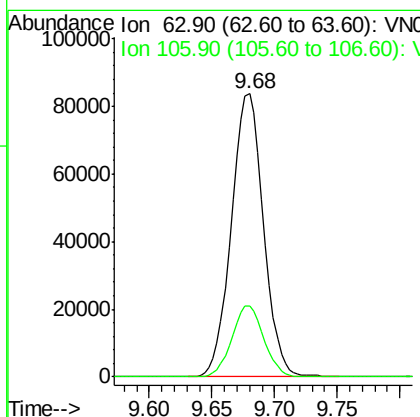
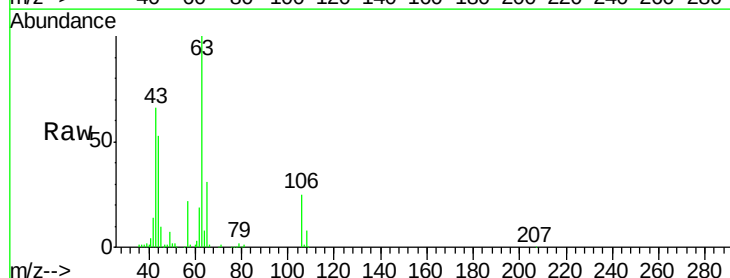
Manual Integrations
 APPROVED

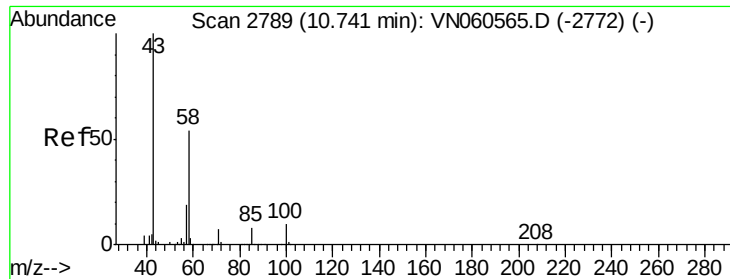
MMDadoda
 4/8/2020 9:39:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.506 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	20.0	30.0





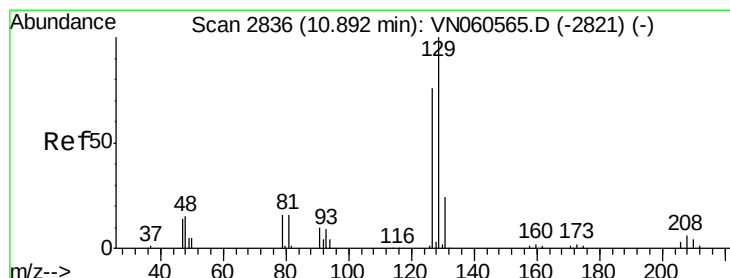
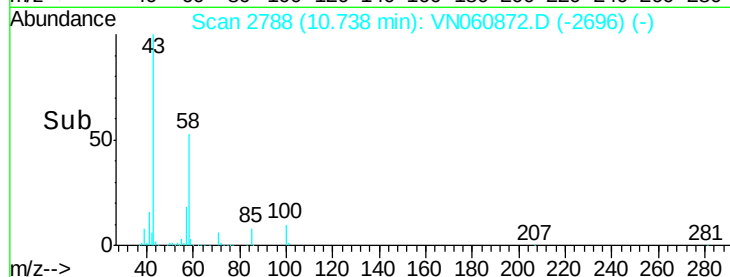
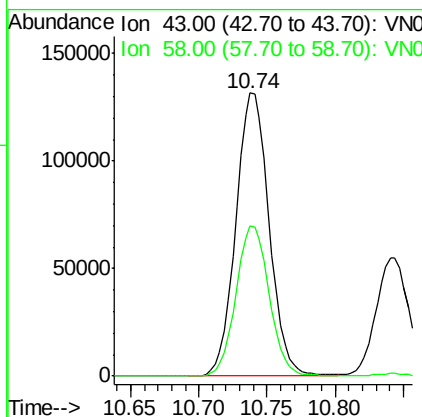
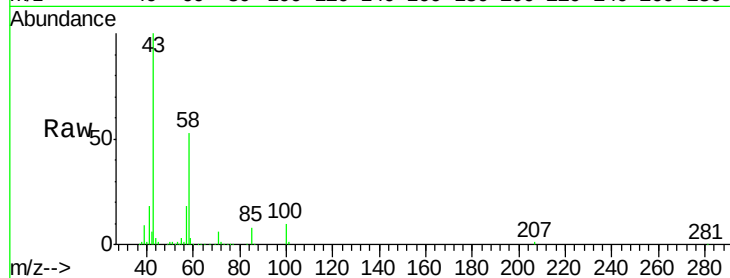
#59
2-Hexanone
Concen: 102.011 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.7	80.1

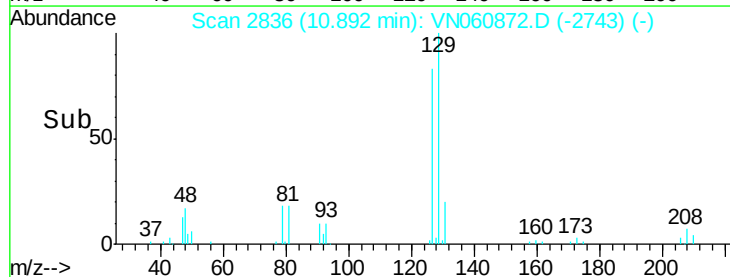
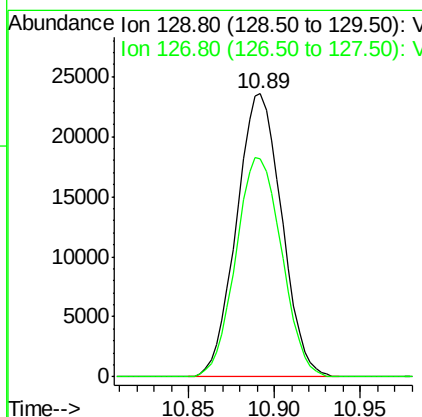
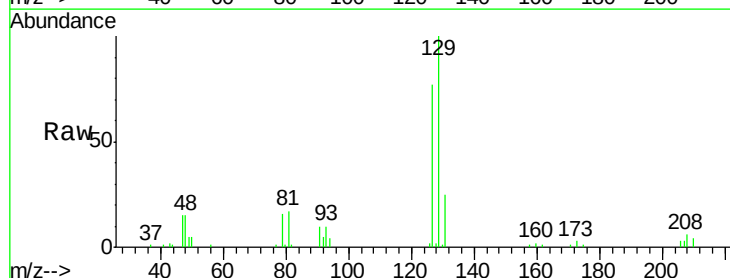
Manual Integrations
APPROVED

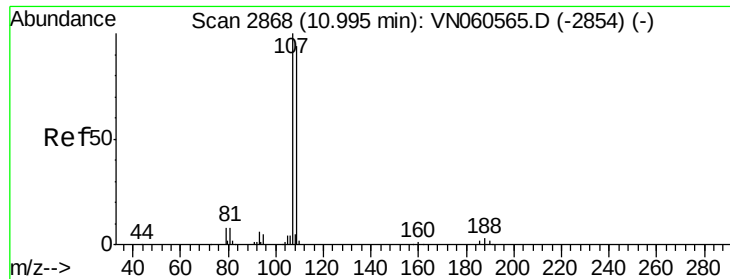
MMDadoda
4/8/2020 9:39:19 AM



#60
Dibromochloromethane
Concen: 19.809 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.5





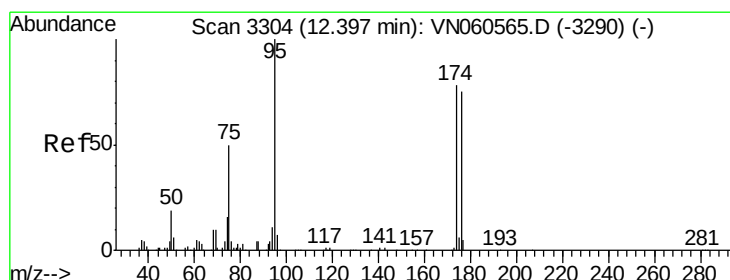
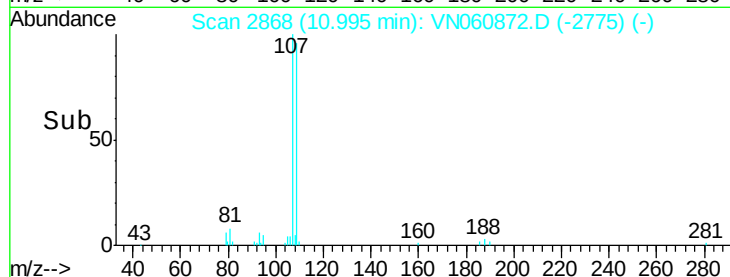
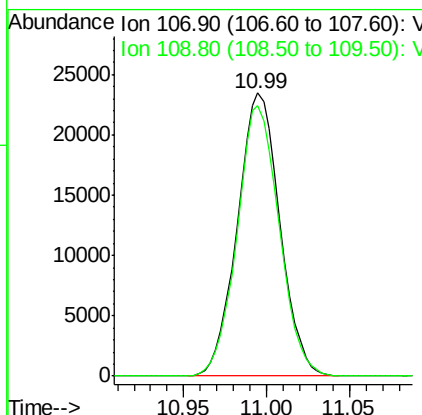
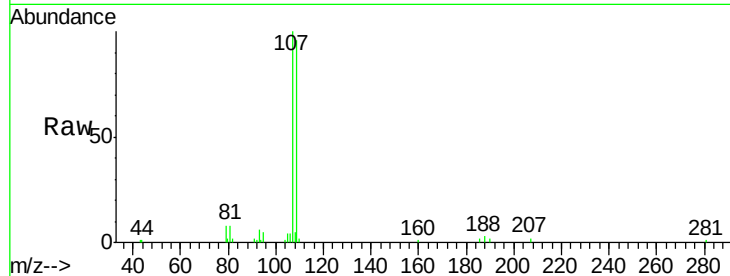
#61
 1,2-Dibromoethane
 Concen: 19.781 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0407MBS01

Tot Ion:107 Resp: 41786
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.4 113.2

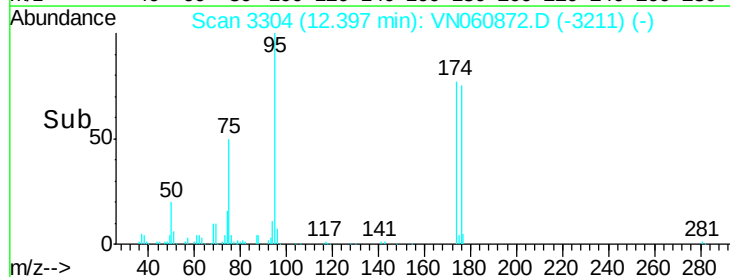
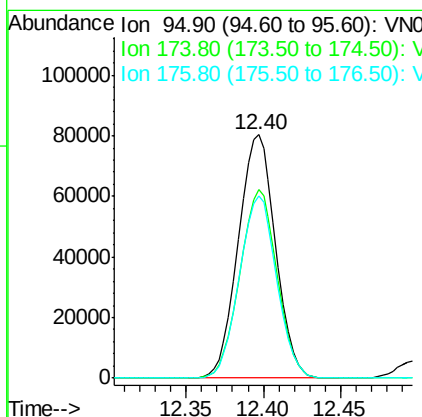
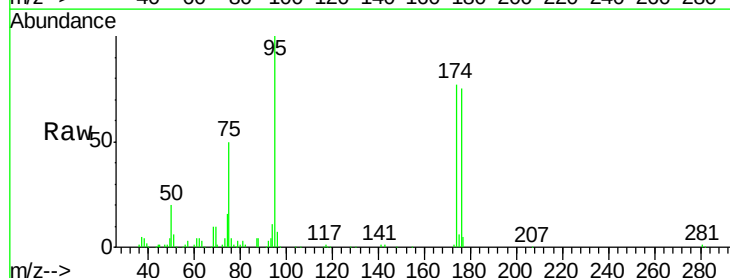
Manual Integrations
 APPROVED

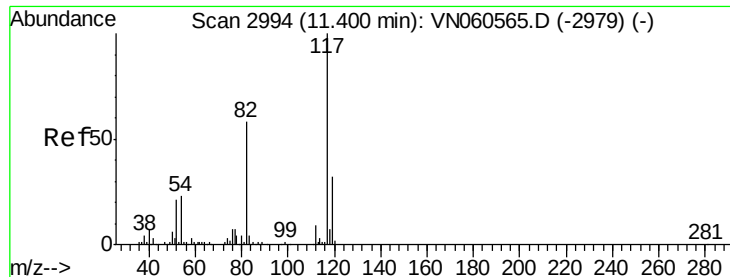
MMDadoda
 4/8/2020 9:39:19 AM



#62
 4-Bromofluorobenzene
 Concen: 48.016 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion: 95 Resp: 134438
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 157.6
 176 74.8 0.0 150.6





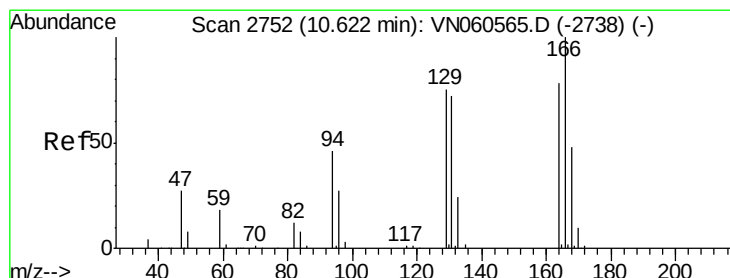
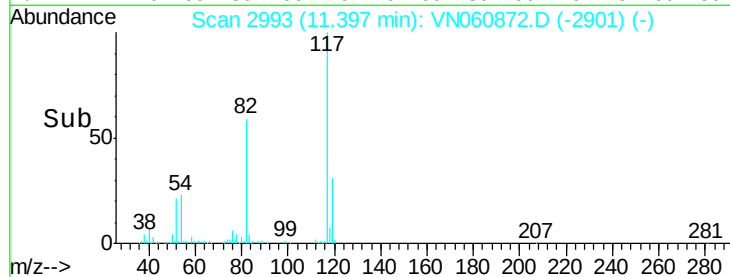
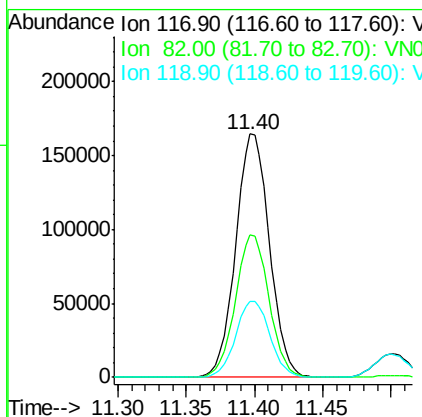
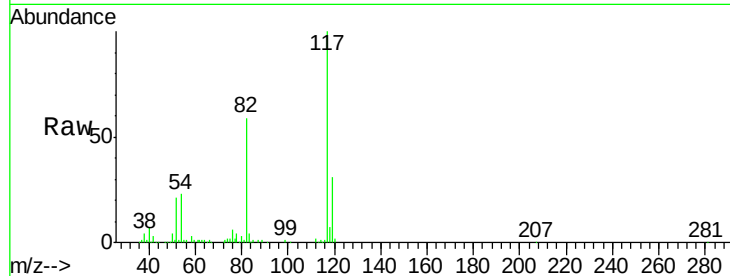
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.7	70.1
119	31.4	25.5	38.3

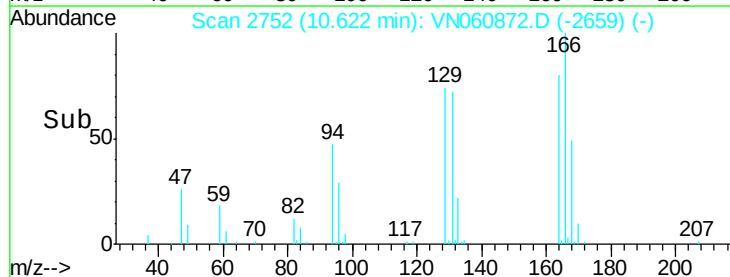
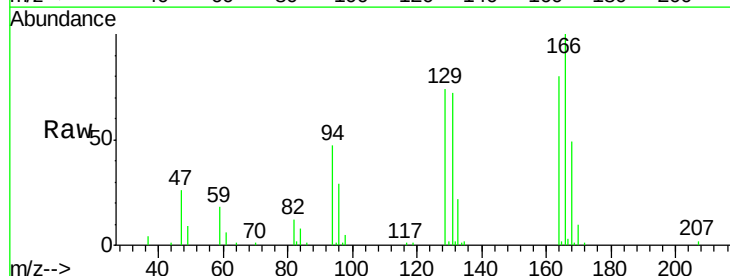
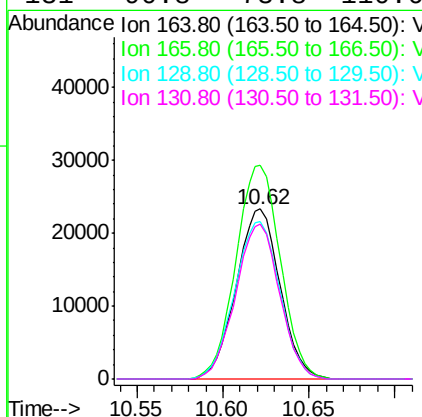
Manual Integrations
APPROVED

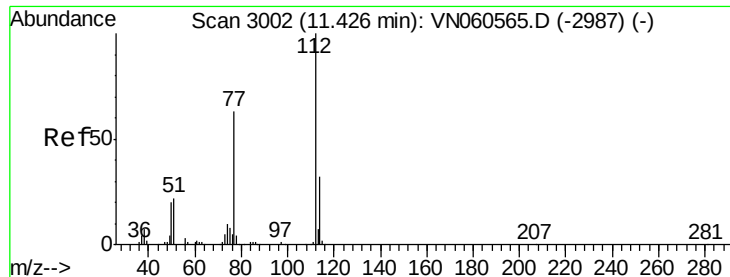
MMDadoda
4/8/2020 9:39:19 AM



#64
Tetrachloroethene
Concen: 18.542 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.7	154.1
129	92.4	77.2	115.8
131	90.8	73.8	110.6





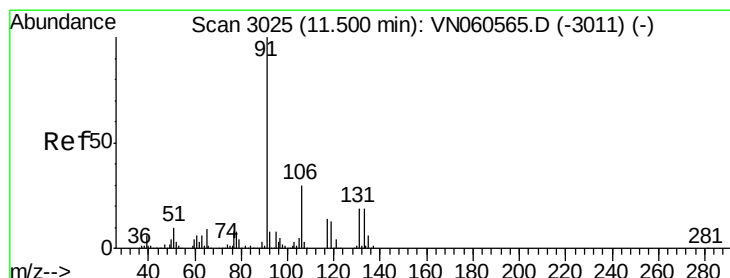
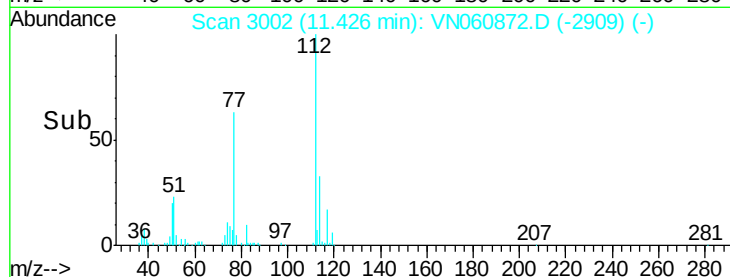
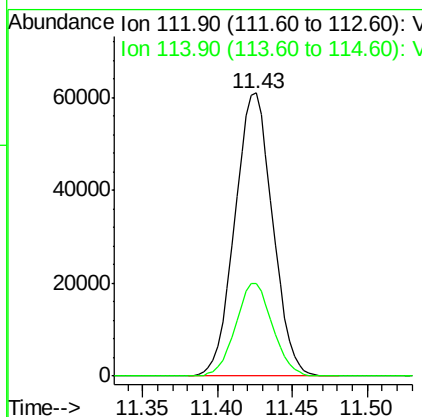
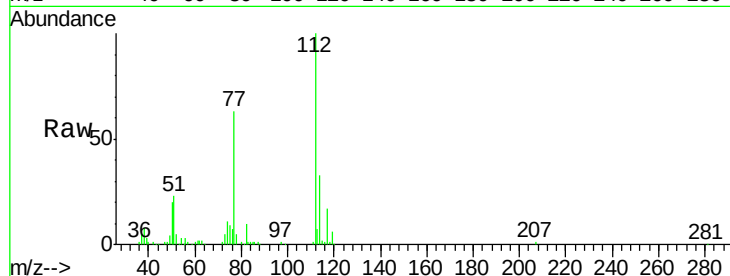
#65
Chlorobenzene
Concen: 19.139 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0407MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.8	38.6

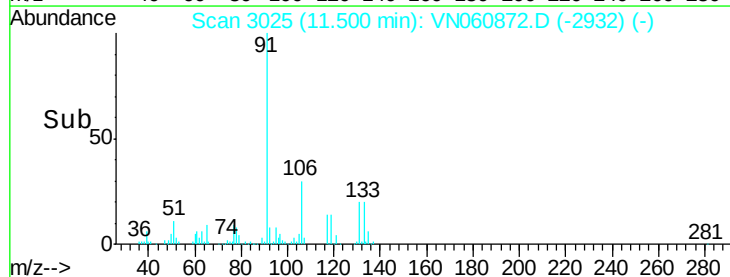
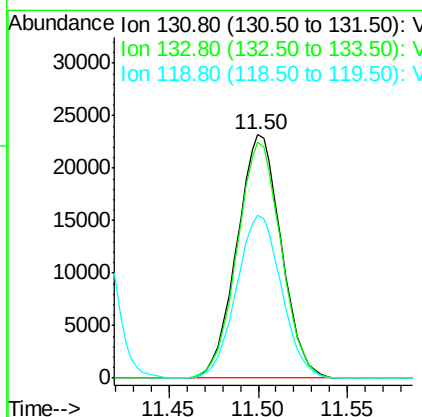
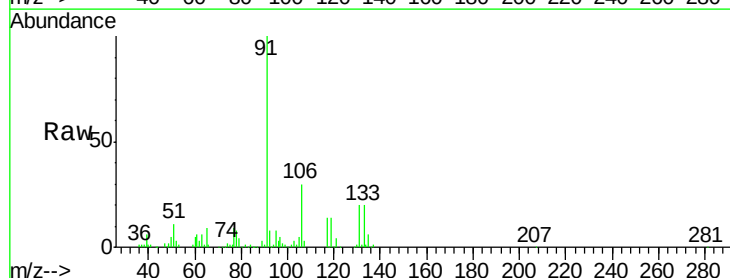
Manual Integrations
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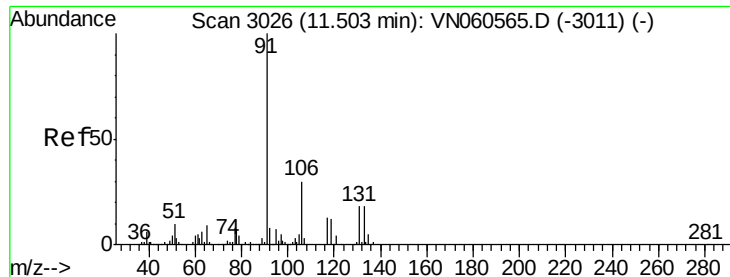
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.837 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.9	146.8
119	67.6	33.9	101.7





#67

Ethyl Benzene

Concen: 19.231 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

Tot Ion: 91 Resp: 200377

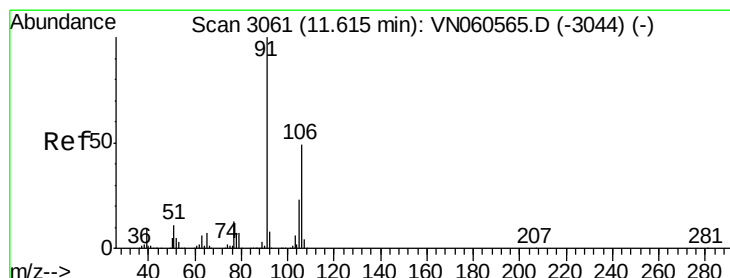
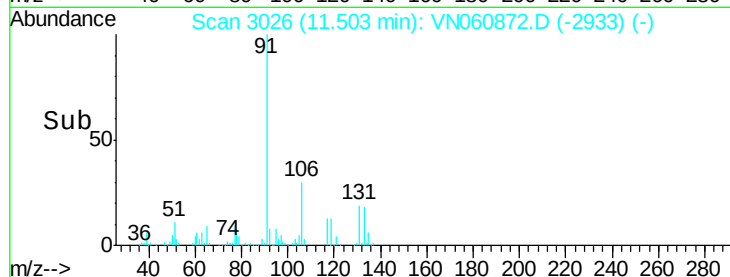
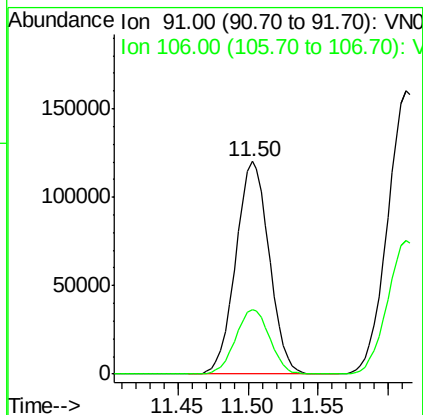
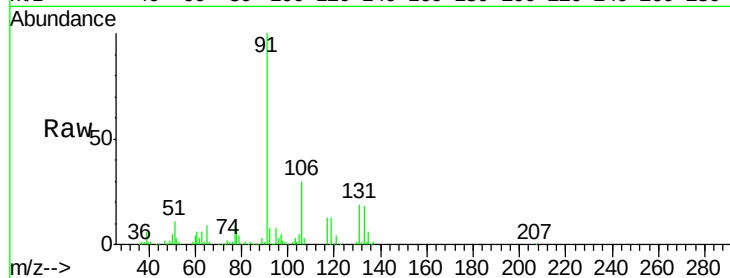
Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 37.874 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060872.D

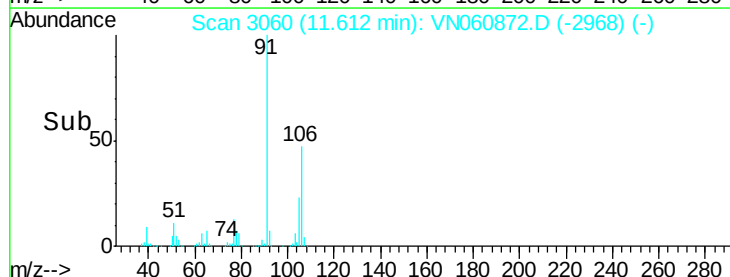
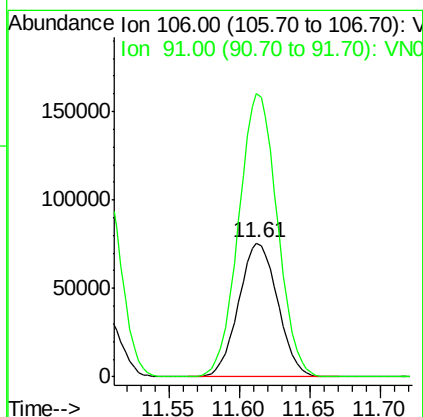
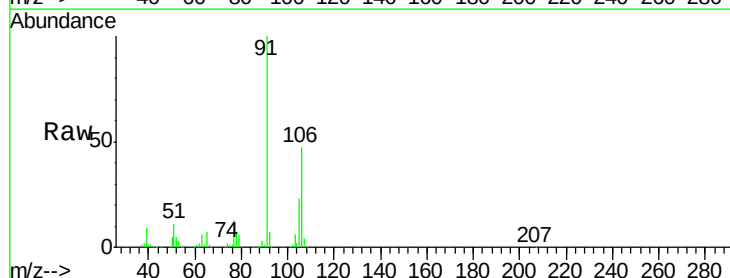
Acq: 7 Apr 2020 13:14

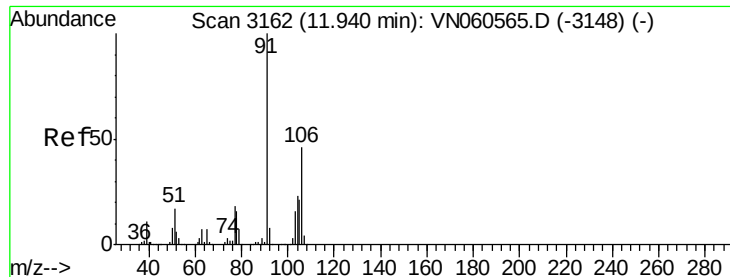
Tgt Ion: 106 Resp: 146644

Ion Ratio Lower Upper

106 100

91 209.6 165.0 247.4





#69

o-Xylene

Concen: 19.439 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0407MBS01

Tot Ion:106 Resp: 71852

Ion Ratio Lower Upper

106 100

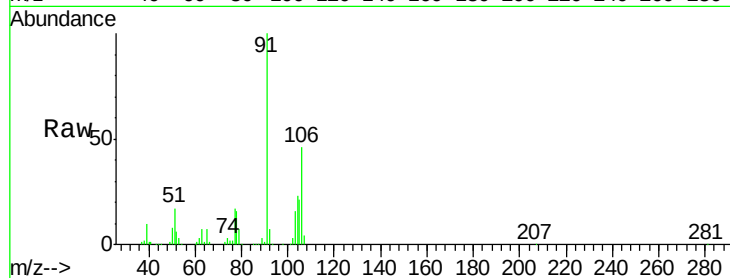
91 218.7 109.5 328.4

Manual Integrations

APPROVED

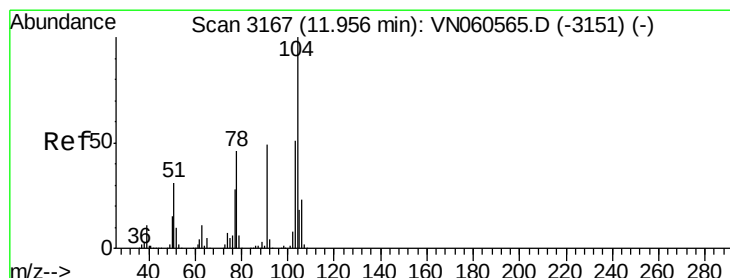
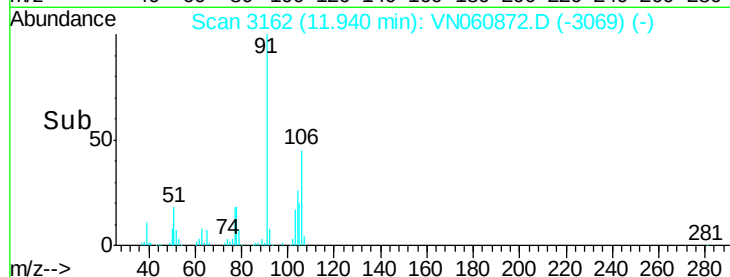
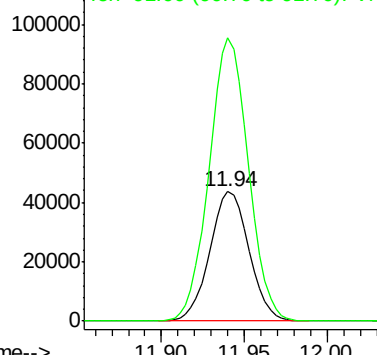
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 18.994 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

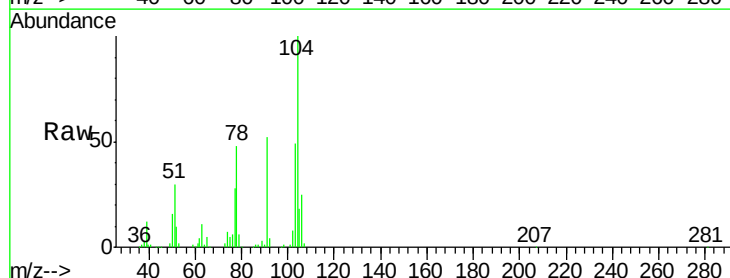
Tgt Ion:104 Resp: 114819

Ion Ratio Lower Upper

104 100

78 52.2 41.2 61.8

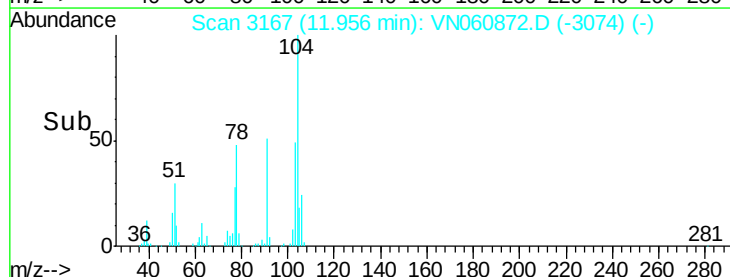
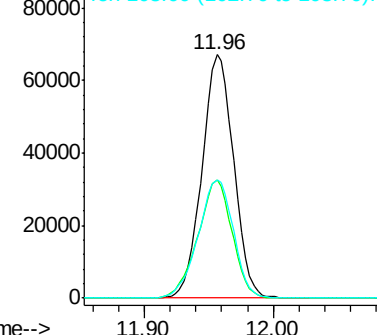
103 53.8 44.0 66.0

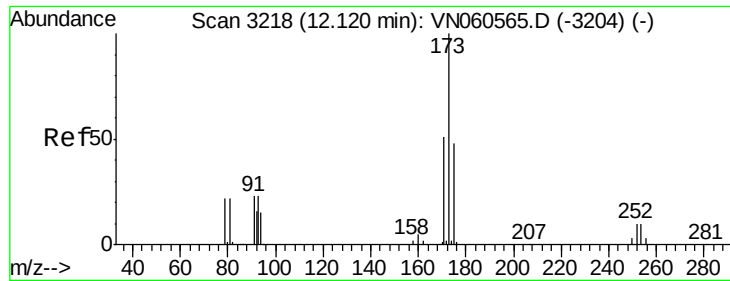


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.226 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

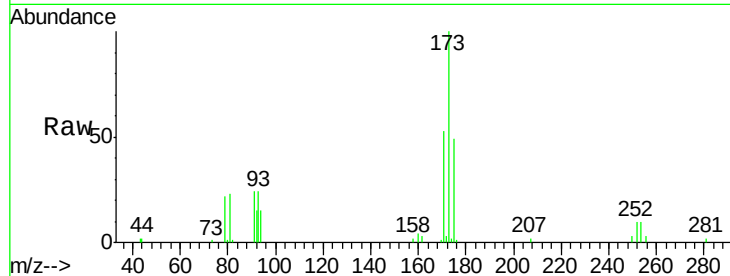
ClientSampleId :

VN0407MBS01

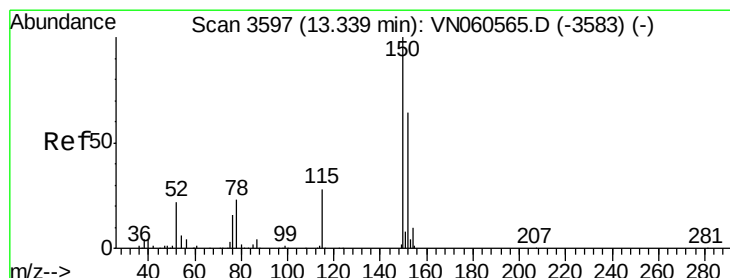
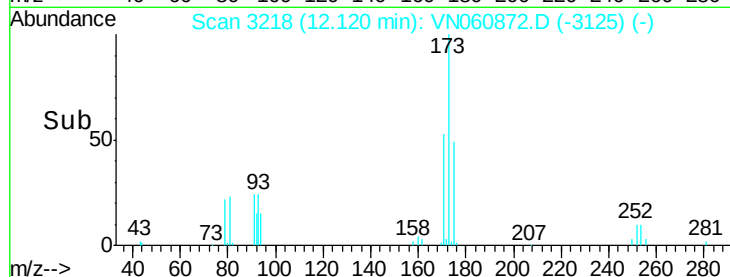
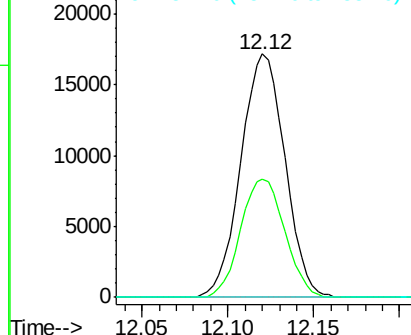
Tot Ion:	173	Resp:	30612
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.1	72.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

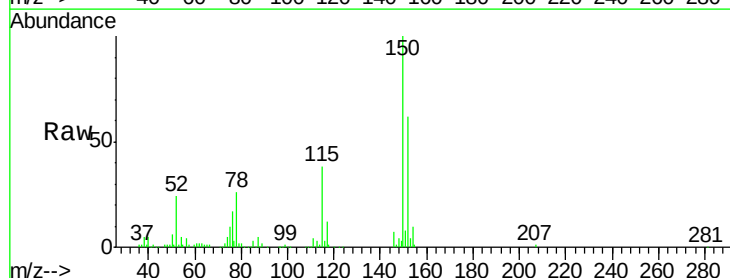
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

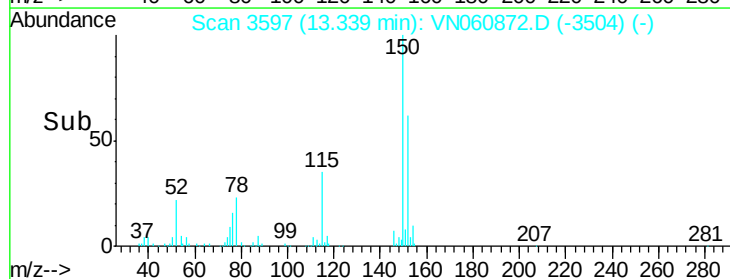
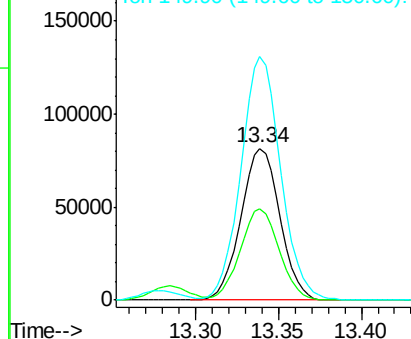
Lab File: VN060872.D

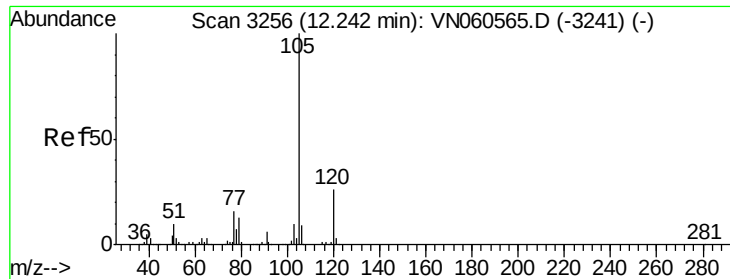
Acq: 7 Apr 2020 13:14

Tgt Ion:	152	Resp:	133639
Ion Ratio	Lower	Upper	
152	100		
115	59.9	30.2	90.6
150	162.8	0.0	350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.214 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0407MBS01

Tot Ion:105 Resp: 192696

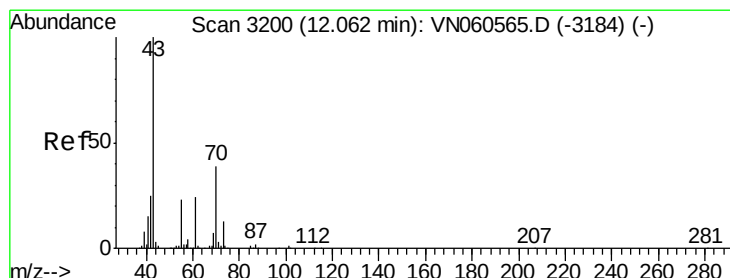
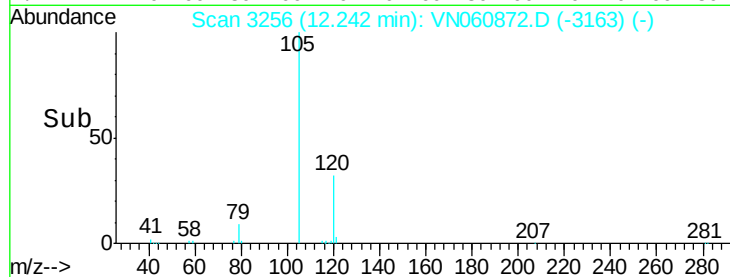
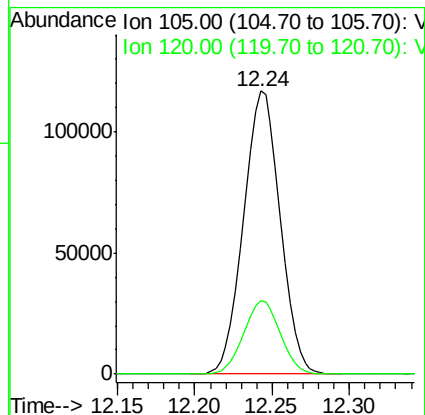
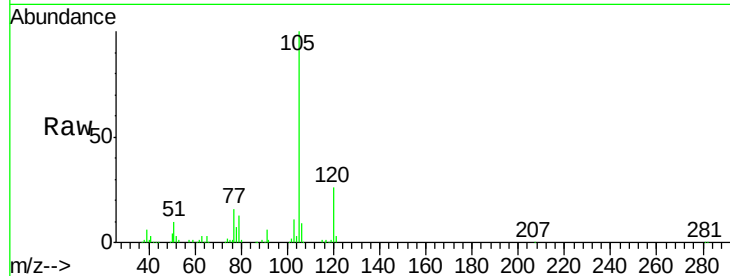
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.249 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Tgt Ion: 43 Resp: 89206

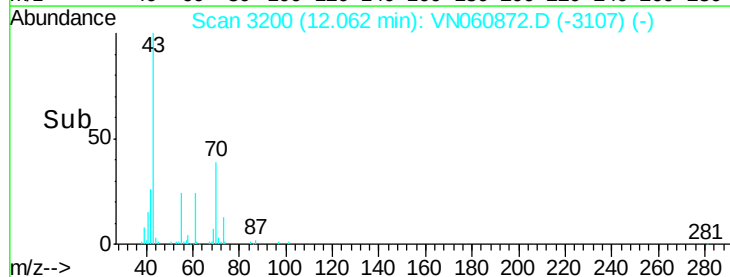
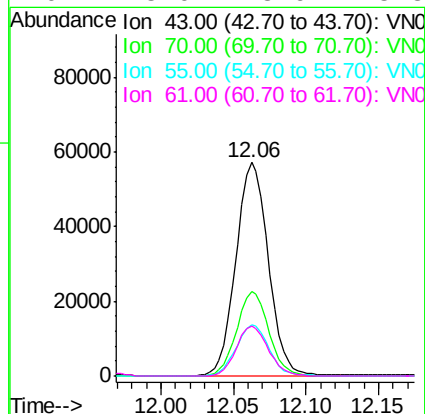
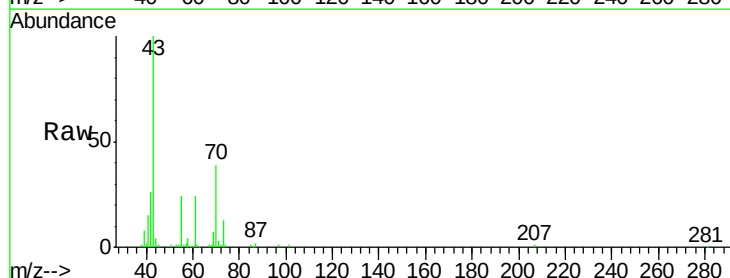
Ion Ratio Lower Upper

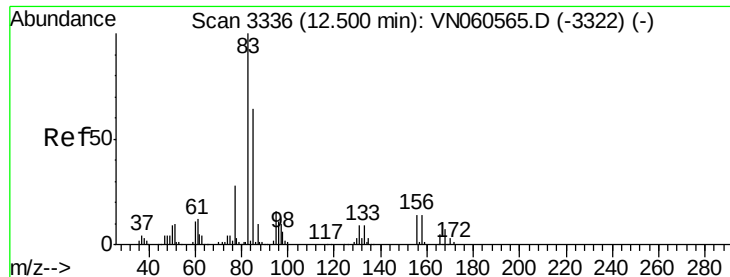
43 100

70 39.2 31.1 46.7

55 24.1 18.6 27.8

61 23.0 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.903 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

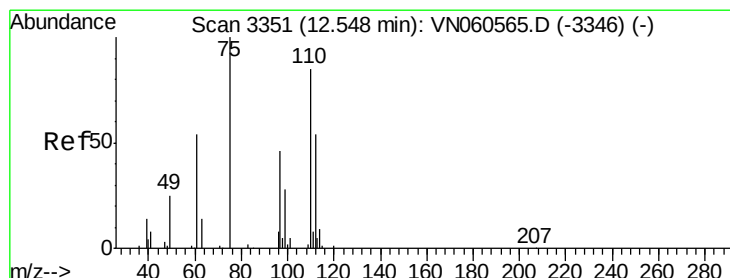
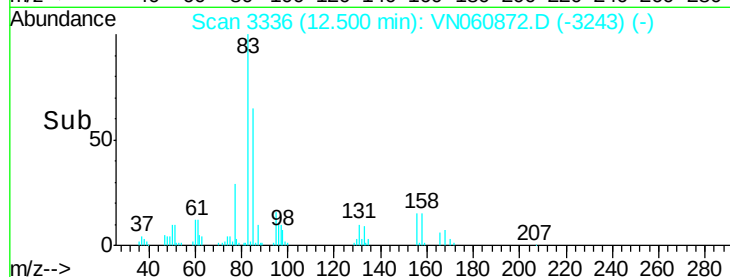
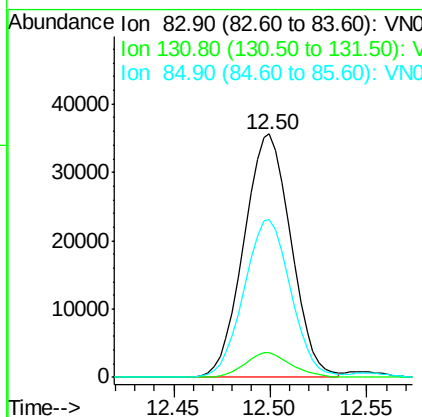
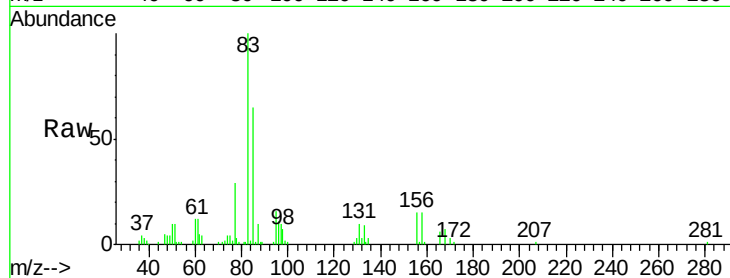
ClientSampleId :

VN0407MBS01

Tot Ion:	83	Resp:	60363
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.5	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.654 ug/l m

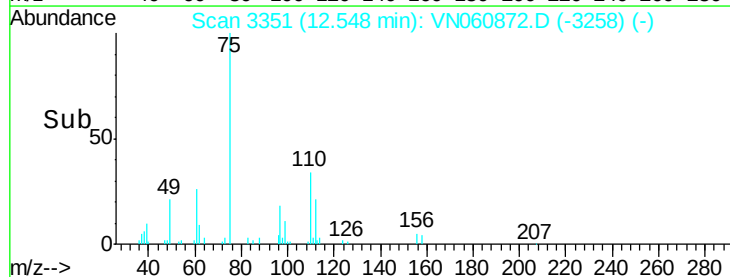
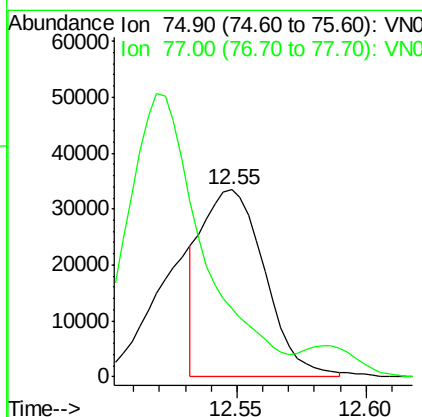
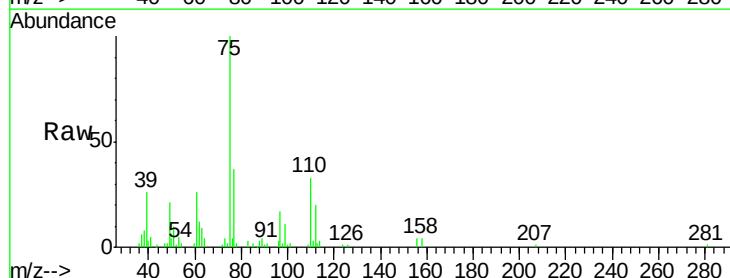
RT: 12.55 min Scan# 3351

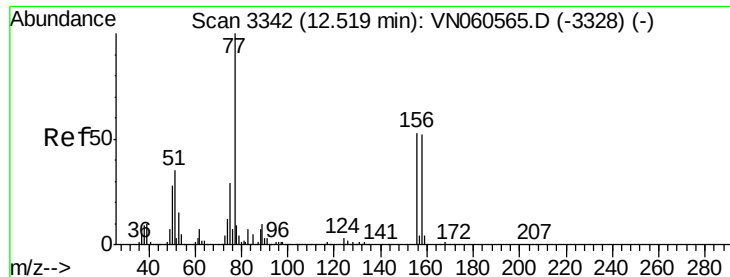
Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Tgt Ion:	75	Resp:	56675
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.118 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

Tot Ion:156 Resp: 46201

Ion Ratio Lower Upper

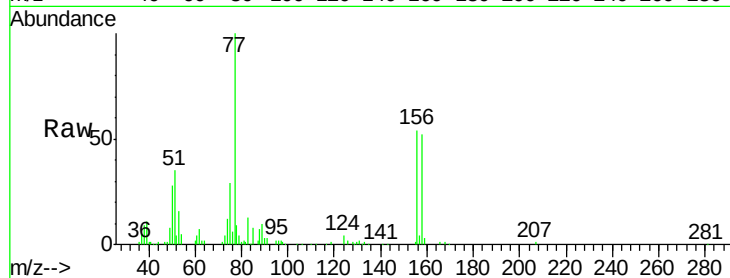
156 100

77 224.1 112.3 337.0

158 96.6 48.6 145.8

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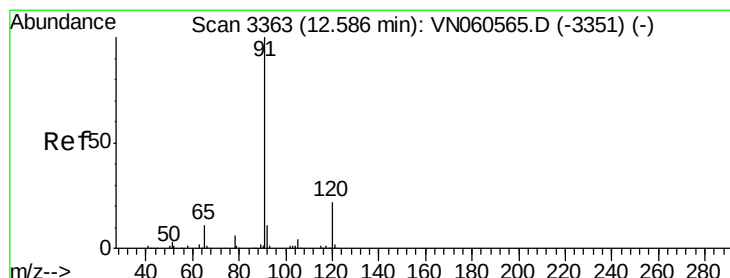
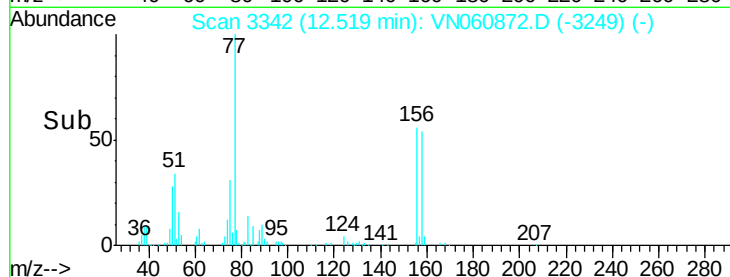
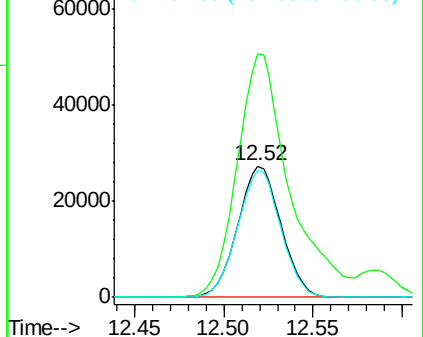
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.145 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060872.D

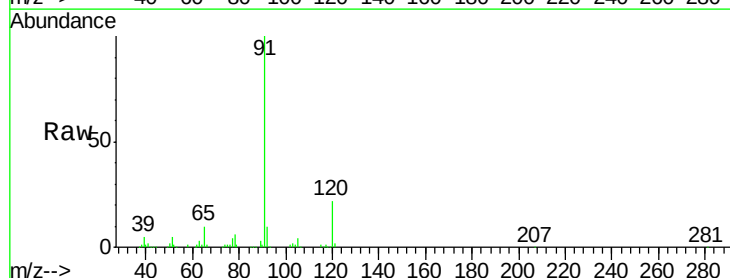
Acq: 7 Apr 2020 13:14

Tgt Ion: 91 Resp: 226848

Ion Ratio Lower Upper

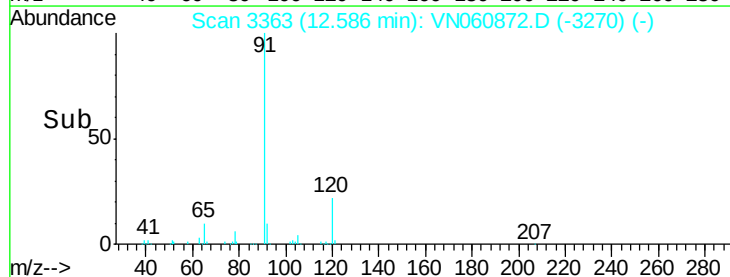
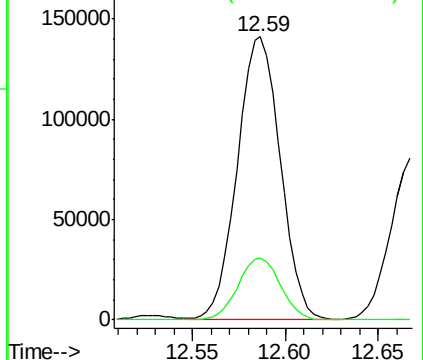
91 100

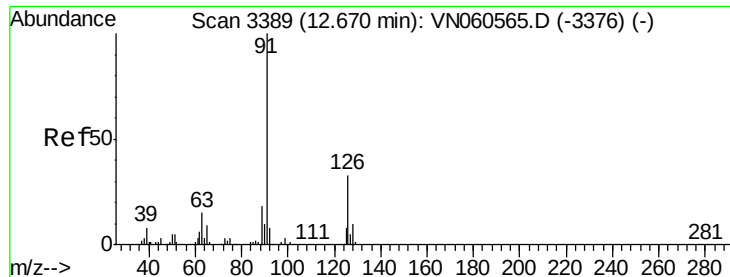
120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.081 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0407MBS01

Tot Ion: 91 Resp: 135083

Ion Ratio Lower Upper

91 100

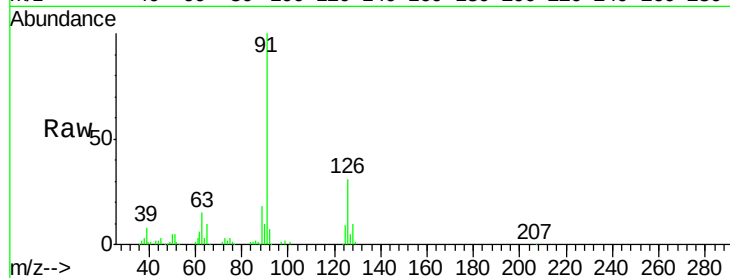
126 31.8 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060872.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060872.D (-3376) (-)

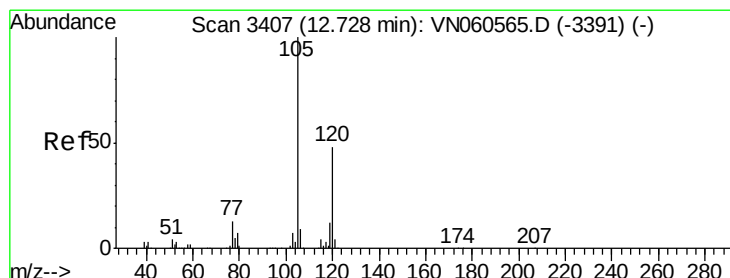
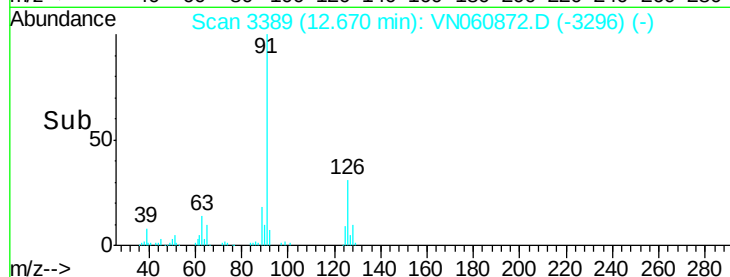
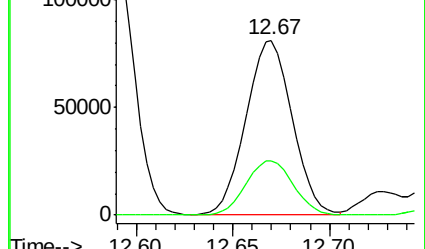
150000

100000

50000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.050 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060872.D

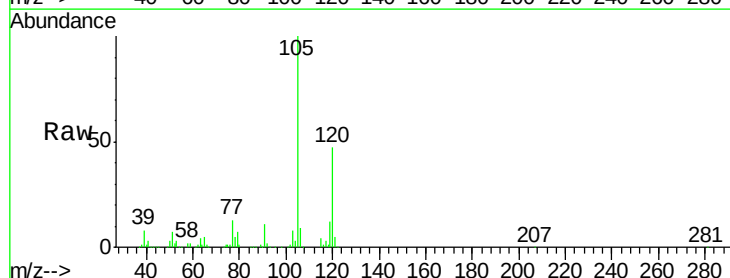
Acq: 7 Apr 2020 13:14

Tgt Ion: 105 Resp: 162135

Ion Ratio Lower Upper

105 100

120 46.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060872.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060872.D (-3314) (-)

100000

80000

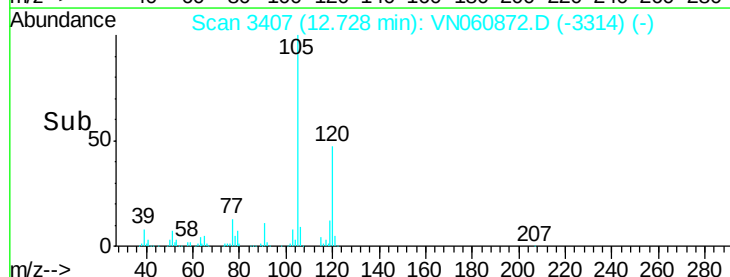
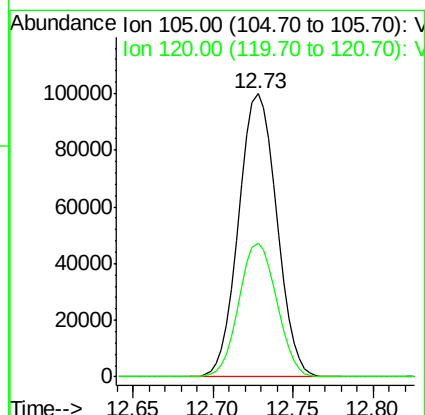
60000

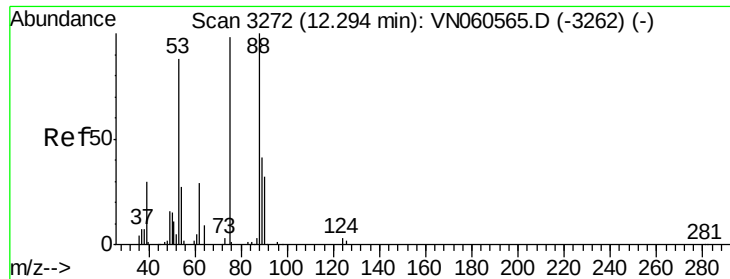
40000

20000

0

12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 18.543 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

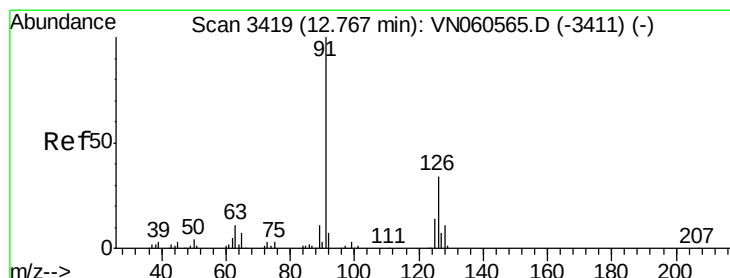
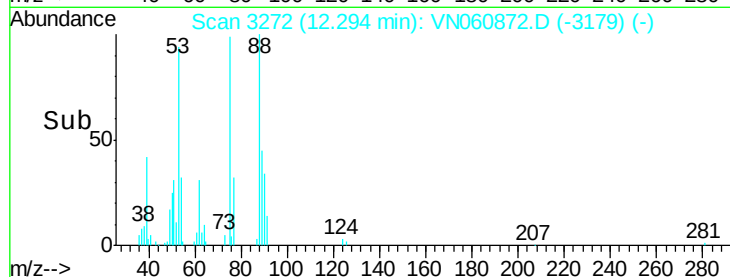
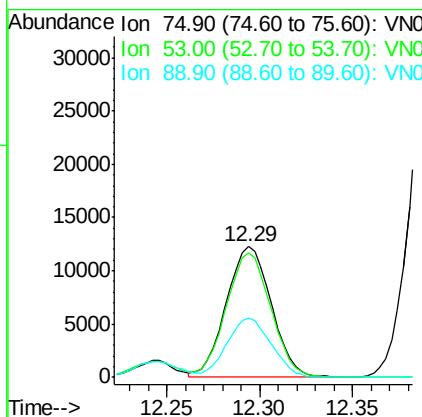
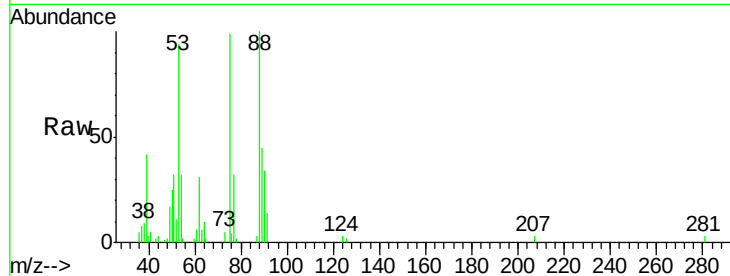
ClientSampleId :

VN0407MBS01

Tot Ion:	75	Resp:	20820
Ion	Ratio	Lower	Upper
75	100		
53	94.3	73.0	109.4
89	44.6	34.8	52.2

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#82

4-Chlorotoluene

Concen: 19.472 ug/l

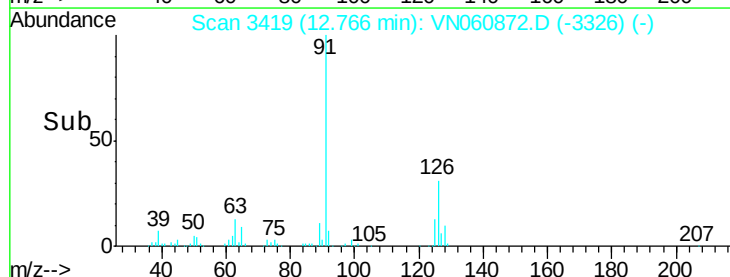
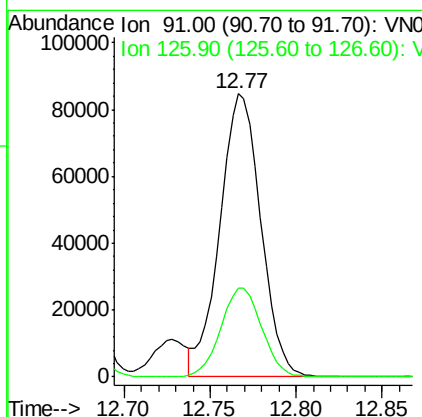
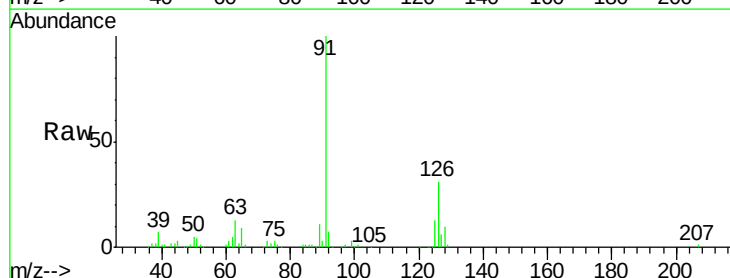
RT: 12.77 min Scan# 3419

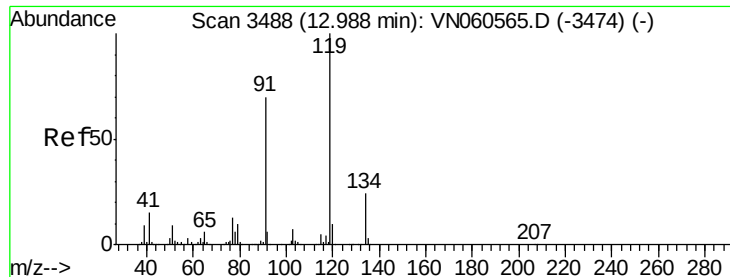
Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Tgt Ion:	91	Resp:	140401
Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.2	48.5





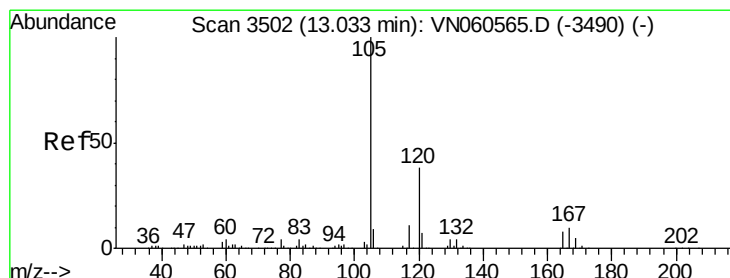
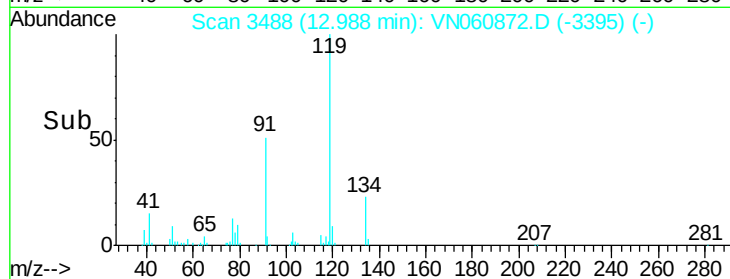
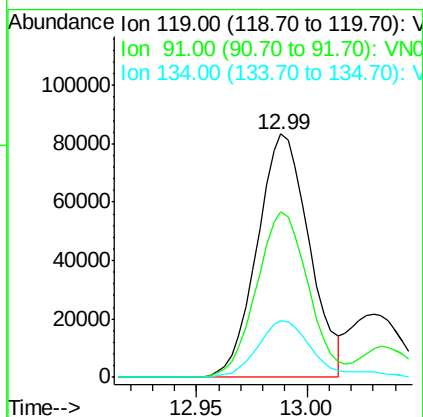
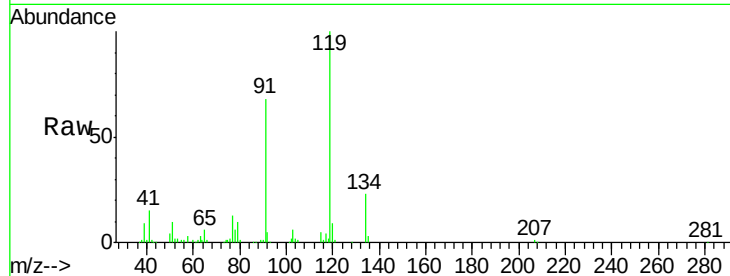
#83
 tert-Butylbenzene
 Concen: 19.384 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0407MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.0	101.8
134	25.0	12.7	38.0

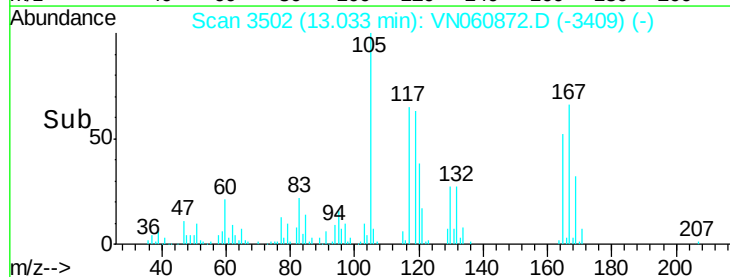
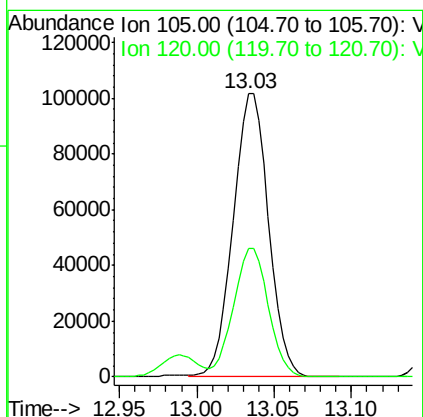
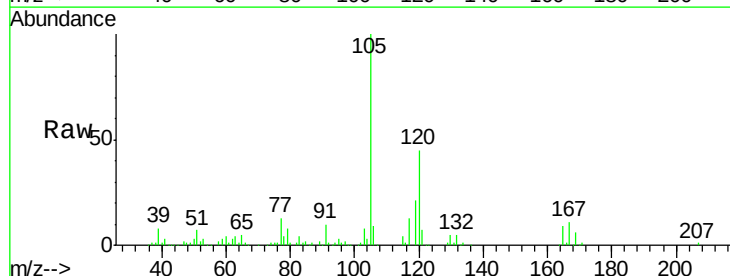
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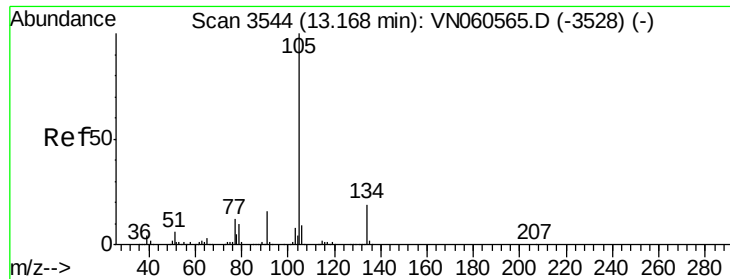
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.148 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





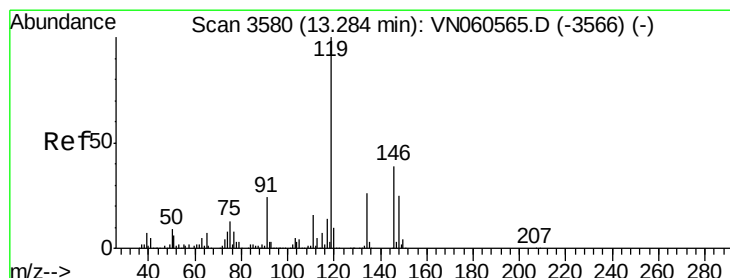
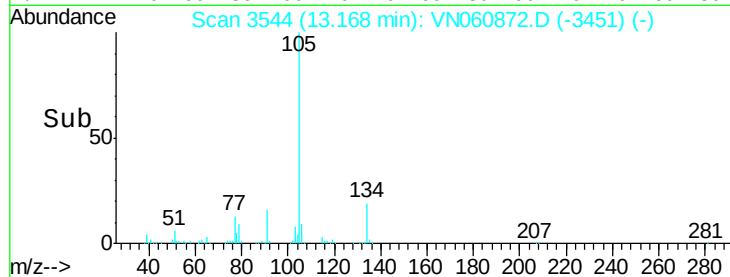
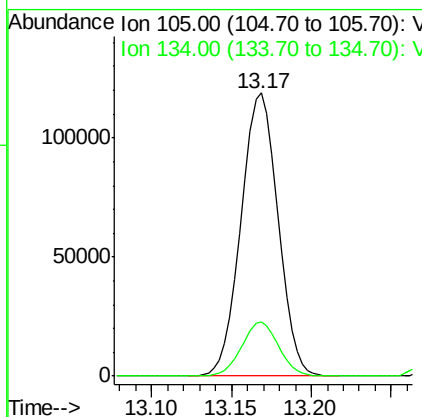
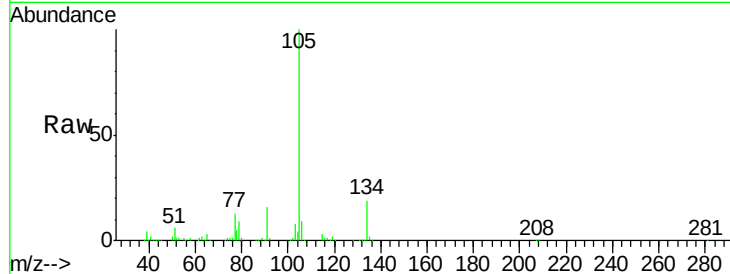
#85
 sec-Butylbenzene
 Concen: 19.737 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.6	28.8

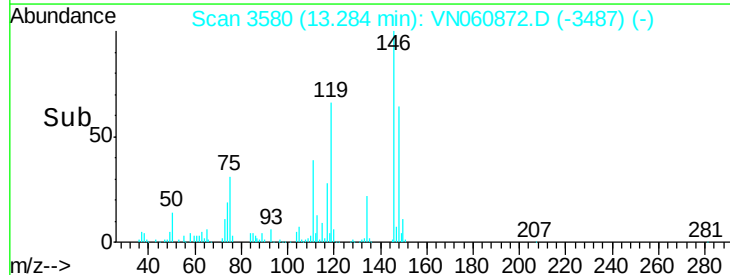
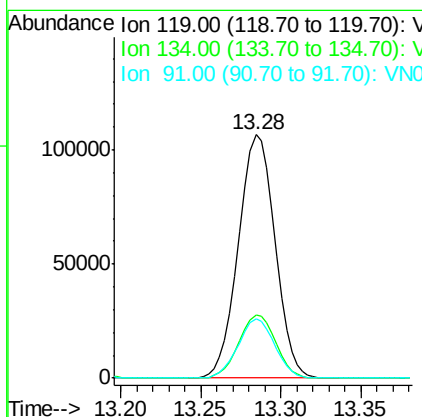
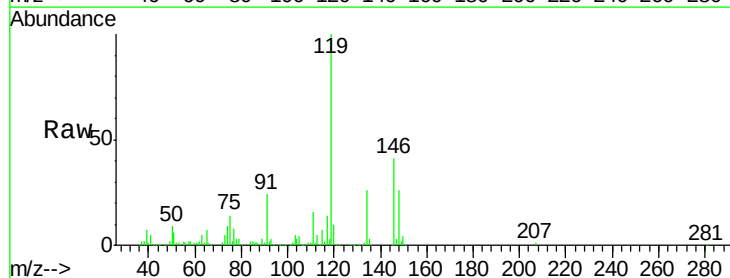
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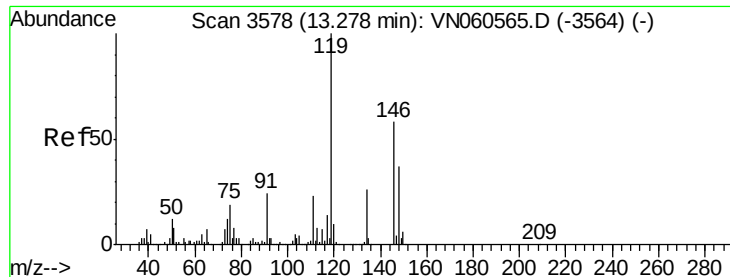
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 4/8/2020 9:39:19 AM



#86
 p-Isopropyltoluene
 Concen: 19.483 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	24.4	12.0	36.0





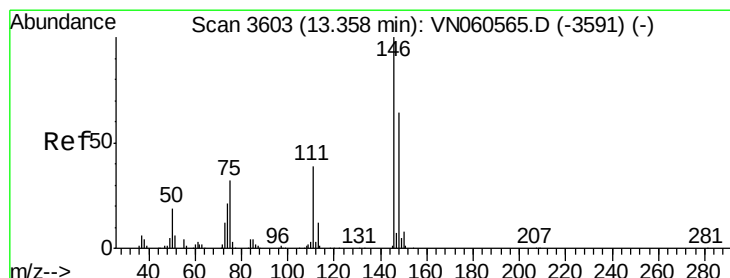
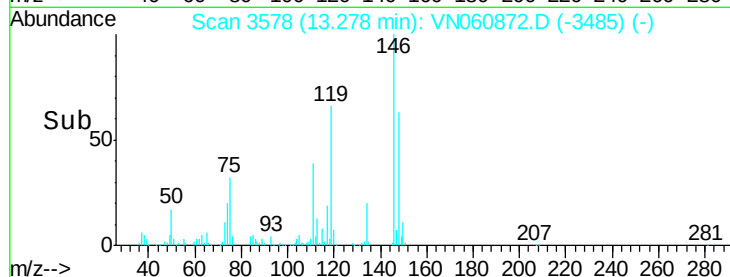
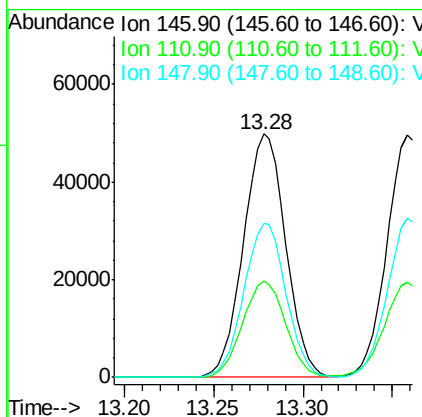
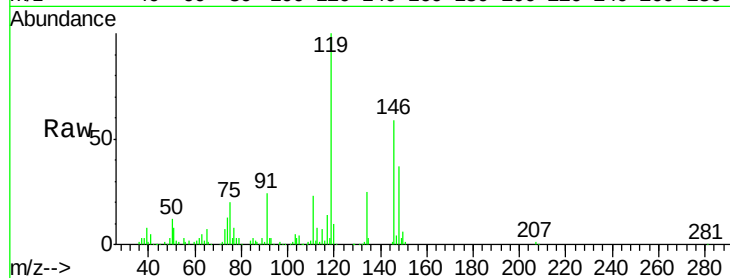
#87
 1,3-Dichlorobenzene
 Concen: 19.344 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.8
148	62.9	32.5	97.4

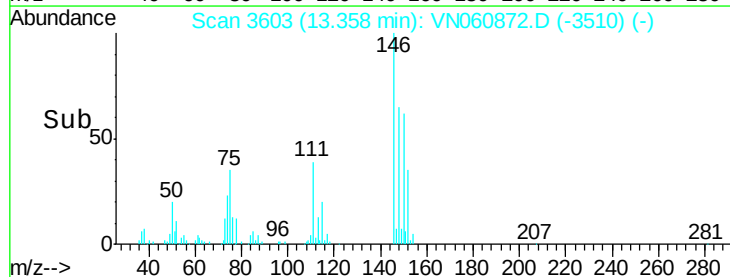
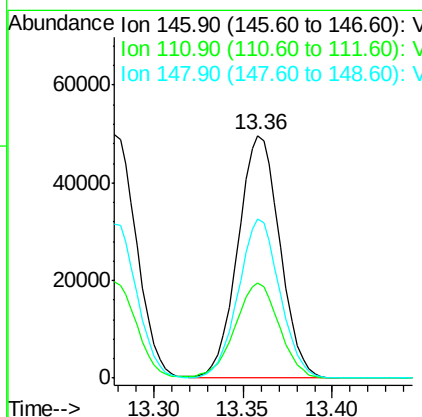
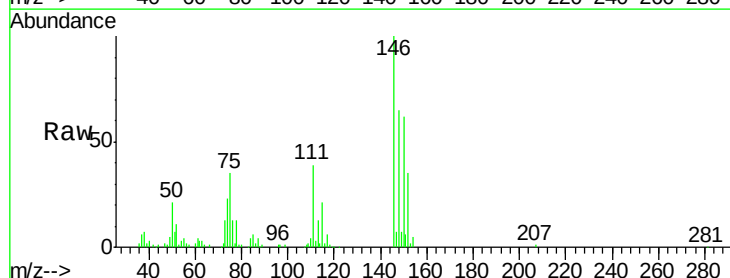
Manual Integrations
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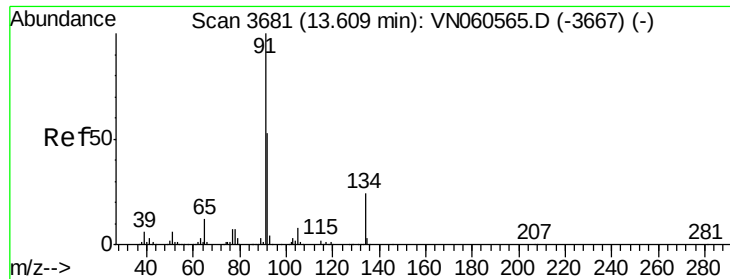
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#88
 1,4-Dichlorobenzene
 Concen: 19.054 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.6	58.7
148	65.1	32.1	96.3





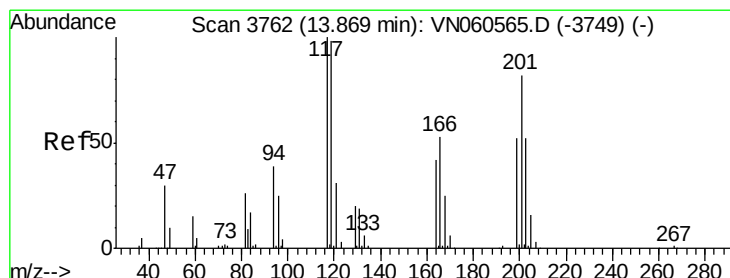
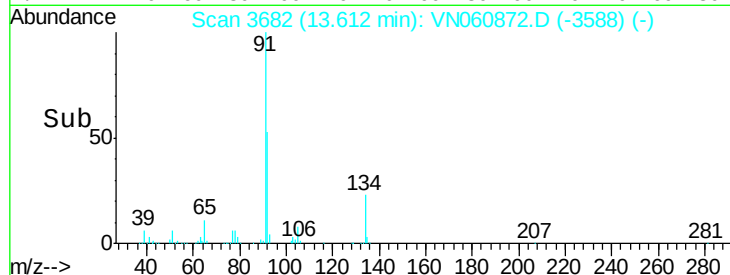
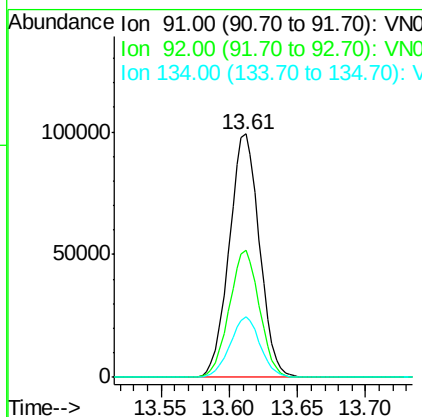
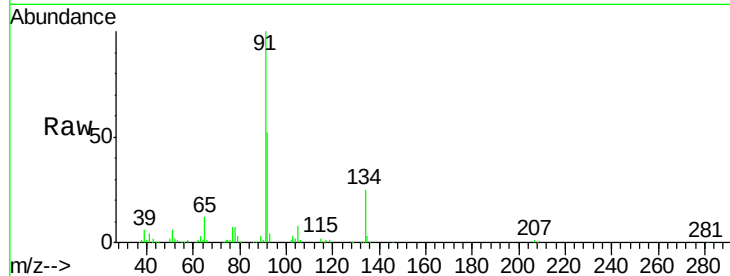
#89
n-Butylbenzene
Concen: 19.785 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0407MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	24.6	12.3	36.9

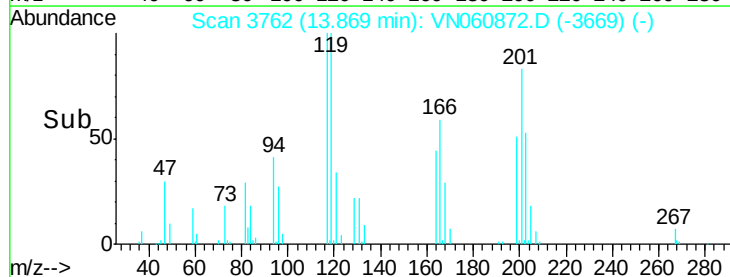
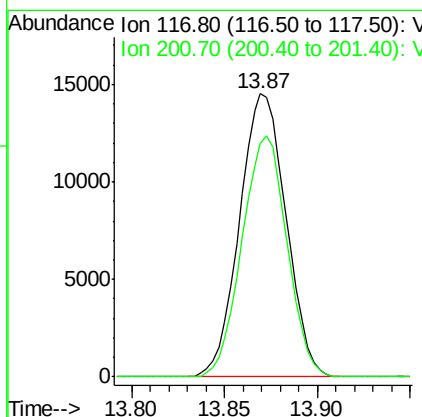
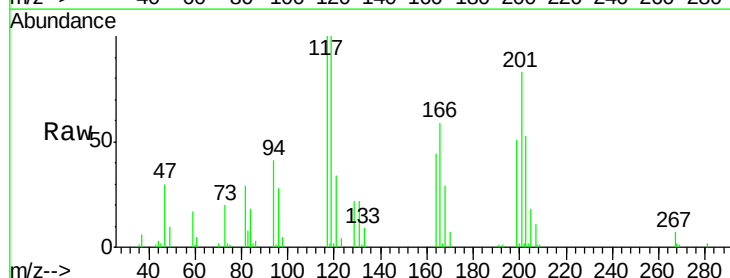
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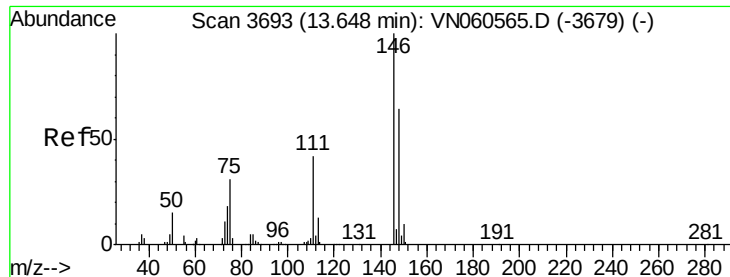
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#90
Hexachloroethane
Concen: 20.393 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	40.8	122.5





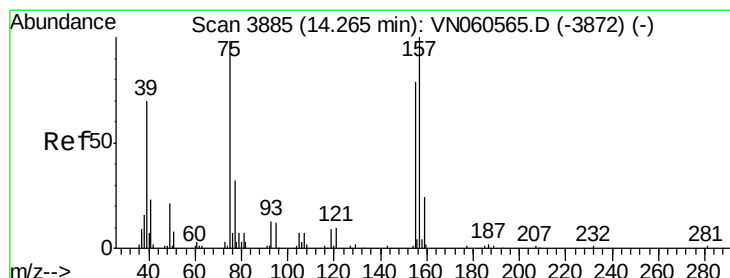
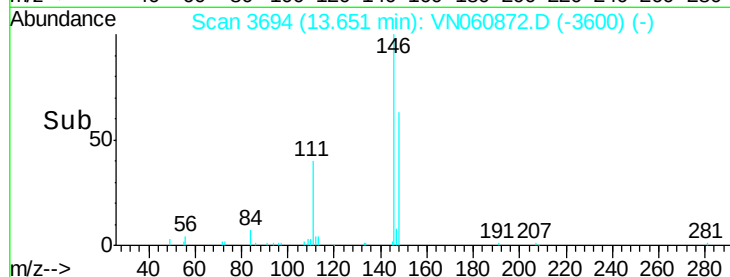
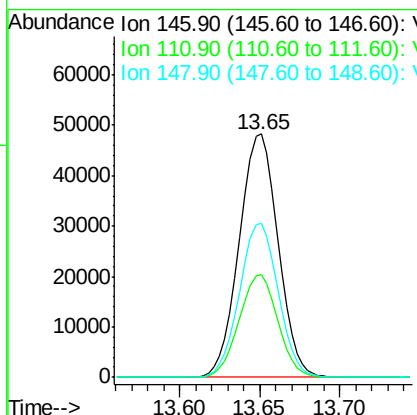
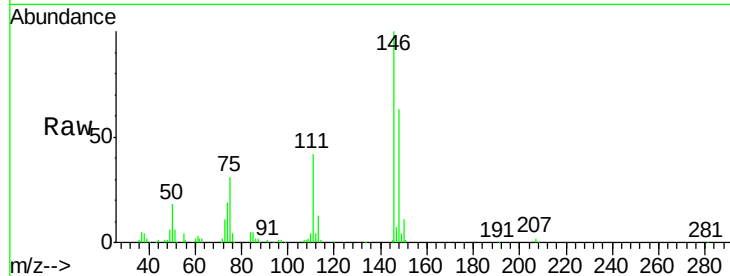
#91
 1,2-Dichlorobenzene
 Concen: 19.637 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.0	63.0
148	63.0	31.9	95.5

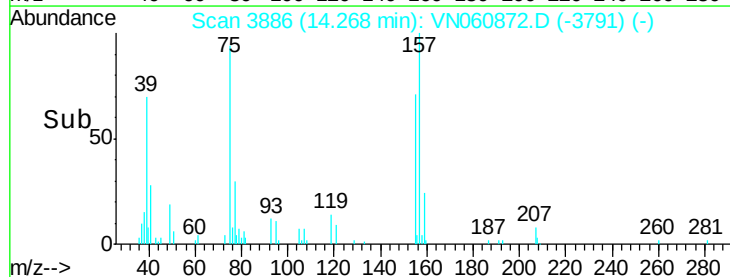
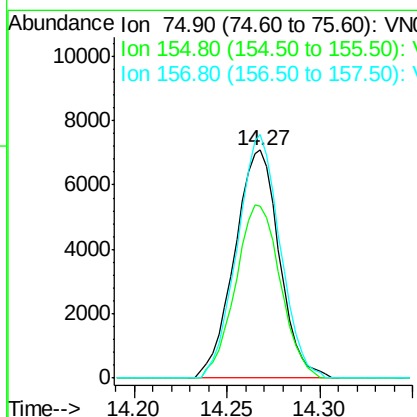
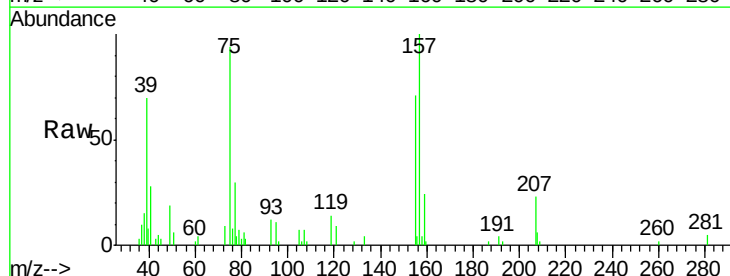
Manual Integrations
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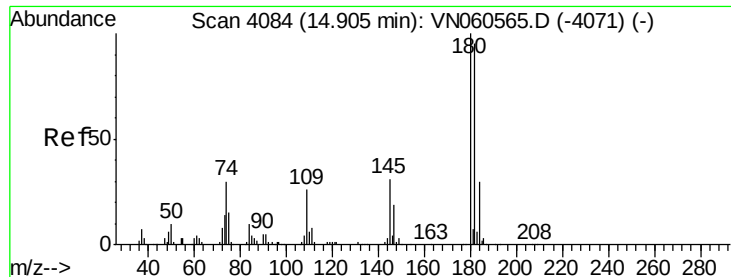
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.582 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	40.7	122.1
157	102.2	51.5	154.7





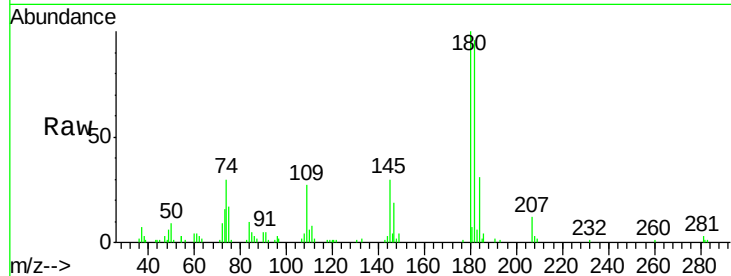
#93
 1,2,4-Trichlorobenzene
 Concen: 19.751 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

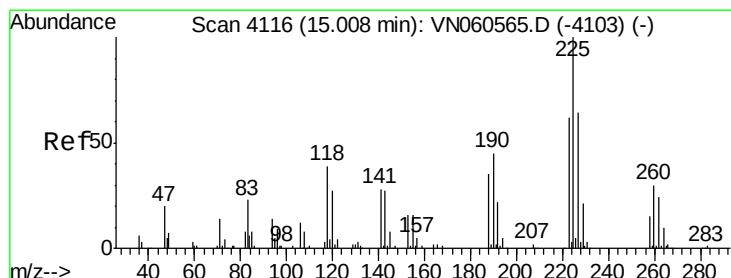
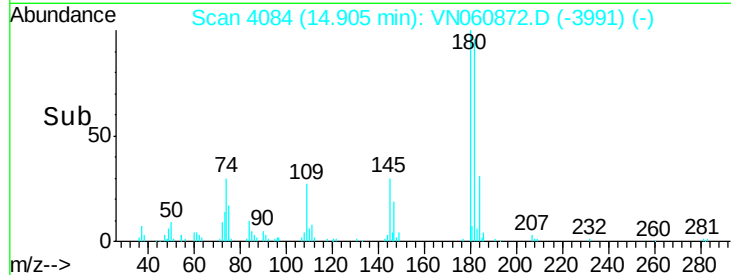
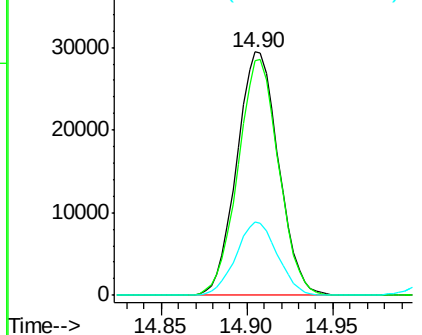
Tot Ion	Ratio	Resp	Lower	Upper
180	100	49433		
182	94.5	47.9	143.8	
145	29.9	15.4	46.2	

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 9:39:19 AM

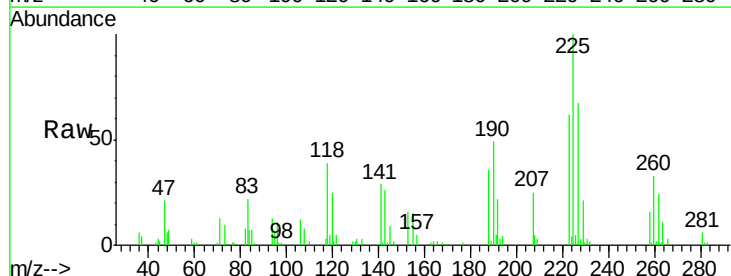


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

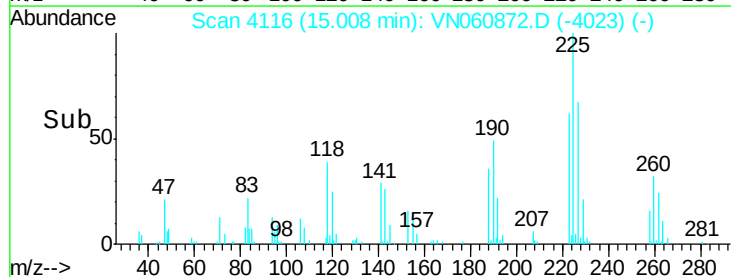
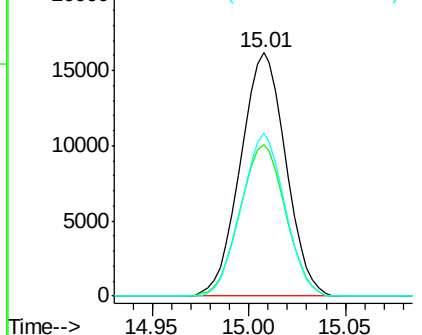


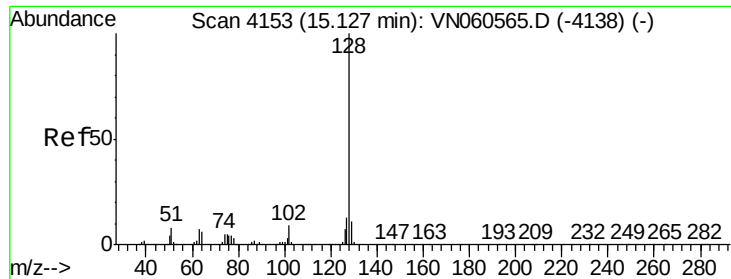
#94
 Hexachlorobutadiene
 Concen: 21.490 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26366		
223	62.6	31.6	95.0	
227	64.3	32.3	96.8	



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





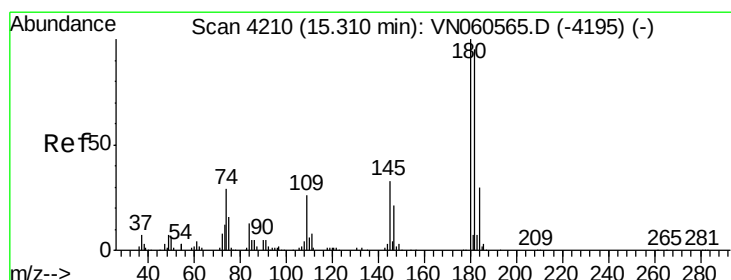
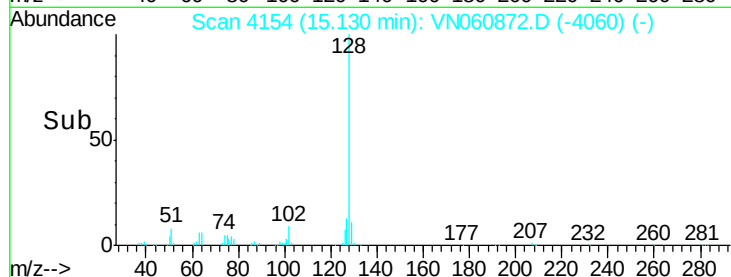
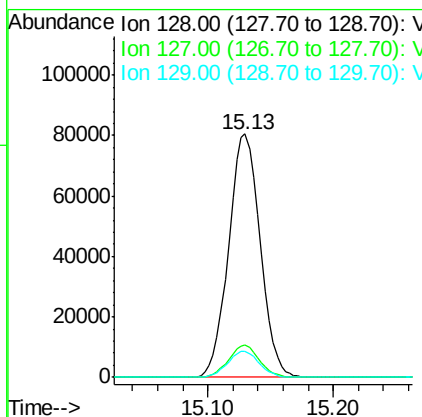
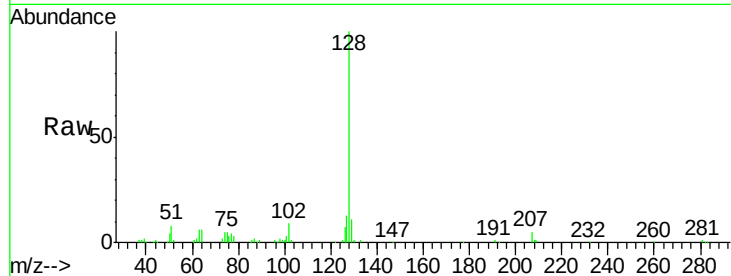
#95
Naphthalene
Concen: 18.679 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

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4/8/2020 9:39:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.556 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	32.7	16.3	48.8

