

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060976.D
 Acq On : 15 Apr 2020 20:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:37 AM

Quant Time: Apr 16 07:58:05 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	136061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	232860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	214134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	104203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	96980	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.56	113	72425	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.08	98	286062	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.39	95	107506	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	53273	40.465	ug/l	99
3) Chloromethane	2.04	50	100699	40.954	ug/l	99
4) Vinyl Chloride	2.17	62	81882	42.576	ug/l	99
5) Bromomethane	2.54	94	42780	51.529	ug/l	98
6) Chloroethane	2.68	64	53212	48.032	ug/l	97
7) Trichlorofluoromethane	3.00	101	111437	47.038	ug/l	100
8) Diethyl Ether	3.38	74	47932	50.364	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67300	49.026	ug/l	99
10) Methyl Iodide	3.93	142	47465	38.858	ug/l	99
11) Tert butyl alcohol	4.72	59	75742	275.731	ug/l	98
12) 1,1-Dichloroethene	3.72	96	67495	45.818	ug/l	98
13) Acrolein	3.57	56	86104	282.824	ug/l	99
14) Allyl chloride	4.29	41	128210	49.485	ug/l	95
15) Acrylonitrile	4.94	53	219257	271.436	ug/l	99
16) Acetone	3.78	43	174418	263.624	ug/l	100
17) Carbon Disulfide	4.03	76	177520	39.623	ug/l	99
18) Methyl Acetate	4.28	43	104869	56.312	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	252854	49.924	ug/l	99
20) Methylene Chloride	4.52	84	79428	48.802	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	73132	46.580	ug/l	96
22) Diisopropyl ether	5.91	45	294980	53.890	ug/l	96
23) Vinyl Acetate	5.86	43	1203986	269.581	ug/l	98
24) 1,1-Dichloroethane	5.81	63	153911	51.578	ug/l	99
25) 2-Butanone	6.80	43	290800	271.621	ug/l	98
26) 2,2-Dichloropropane	6.79	77	113626	48.397	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	87588	49.093	ug/l	98
28) Bromochloromethane	7.17	49	76426	53.532	ug/l	96
29) Tetrahydrofuran	7.18	42	197535	260.773	ug/l	98
30) Chloroform	7.34	83	145519	50.869	ug/l	100
31) Cyclohexane	7.63	56	133718	44.449	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	123350	50.018	ug/l	99
36) 1,1-Dichloropropene	7.77	75	109074	48.374	ug/l	99
37) Ethyl Acetate	6.89	43	124448	51.079	ug/l	99
38) Carbon Tetrachloride	7.75	117	97569	48.280	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	123114	45.946	ug/l	98
40) Benzene	8.02	78	331045	48.635	ug/l	100
41) Methacrylonitrile	7.14	41	54372m	52.292	ug/l	
42) 1,2-Dichloroethane	8.10	62	116305	49.998	ug/l	99
43) Isopropyl Acetate	8.14	43	209312	52.093	ug/l	99
44) Trichloroethene	8.81	130	80562	46.950	ug/l	98
45) 1,2-Dichloropropane	9.10	63	93363	51.982	ug/l	100
46) Dibromomethane	9.19	93	55173	50.812	ug/l	98
47) Bromodichloromethane	9.38	83	116146	51.475	ug/l	100
48) Methyl methacrylate	9.18	41	92624	51.776	ug/l	99
49) 1,4-Dioxane	9.18	88	24636	1158.593	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	621423	271.786	ug/l	99
52) Toluene	10.14	92	200250	48.713	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	131850	50.871	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	141168	49.648	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	80730	51.047	ug/l	99
56) Ethyl methacrylate	10.42	69	130466	52.908	ug/l	99
57) 1,3-Dichloropropane	10.70	76	139142	50.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	299578	244.438	ug/l	99
59) 2-Hexanone	10.74	43	448004	272.005	ug/l	99
60) Dibromochloromethane	10.89	129	83392	51.048	ug/l	98
61) 1,2-Dibromoethane	10.99	107	80320	50.507	ug/l	99
64) Tetrachloroethene	10.62	164	71860	42.646	ug/l	99
65) Chlorobenzene	11.42	112	205224	48.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	77543	50.452	ug/l	97
67) Ethyl Benzene	11.50	91	387491	49.085	ug/l	100
68) m/p-Xylenes	11.61	106	283859	96.764	ug/l	98
69) o-Xylene	11.94	106	137259	49.014	ug/l	99
70) Styrene	11.96	104	229320	50.069	ug/l	99
71) Bromoform	12.12	173	60515	47.461	ug/l #	99
73) Isopropylbenzene	12.24	105	369606	47.264	ug/l	100
74) N-amyl acetate	12.06	43	179589	49.699	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	120423	50.922	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	104998m	46.697	ug/l	
77) Bromobenzene	12.52	156	88739	47.093	ug/l	98
78) n-propylbenzene	12.59	91	439791	47.602	ug/l	99
79) 2-Chlorotoluene	12.67	91	258622	46.850	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	312836	47.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	41470	47.368	ug/l	99
82) 4-Chlorotoluene	12.77	91	269709	47.972	ug/l	99
83) tert-Butylbenzene	12.99	119	264496	48.079	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	314348	47.880	ug/l	100
85) sec-Butylbenzene	13.17	105	362226	48.965	ug/l	99
86) p-Isopropyltoluene	13.28	119	319454	48.023	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	157583	47.416	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	159680	47.822	ug/l	98
89) n-Butylbenzene	13.61	91	296537	49.374	ug/l	99
90) Hexachloroethane	13.87	117	52578	54.376	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	154934	48.754	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	24620	49.703	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	95926	49.155	ug/l	100
94) Hexachlorobutadiene	15.01	225	46156	48.247	ug/l	99
95) Naphthalene	15.13	128	279626	47.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	90966	47.324	ug/l	99

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

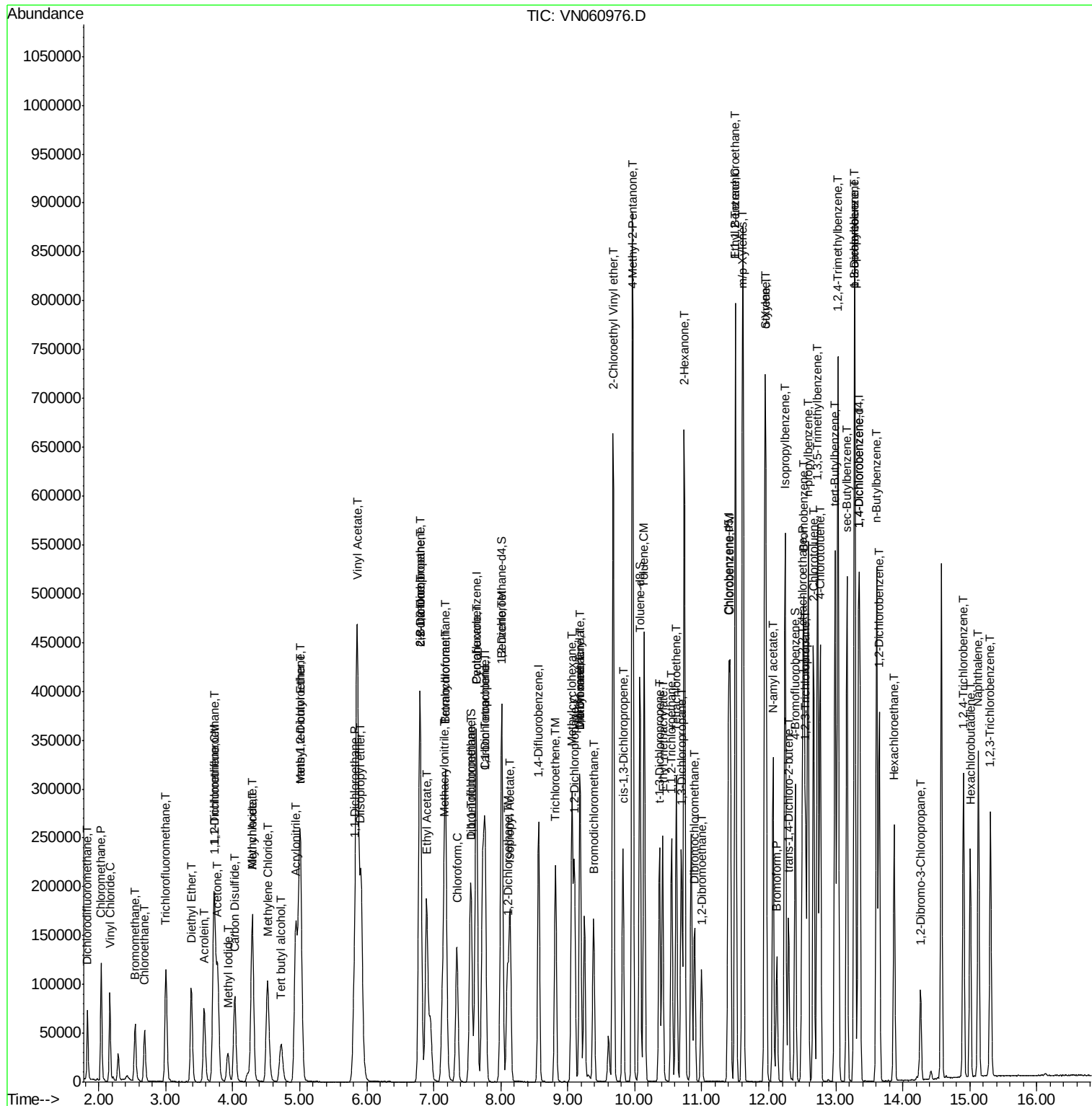
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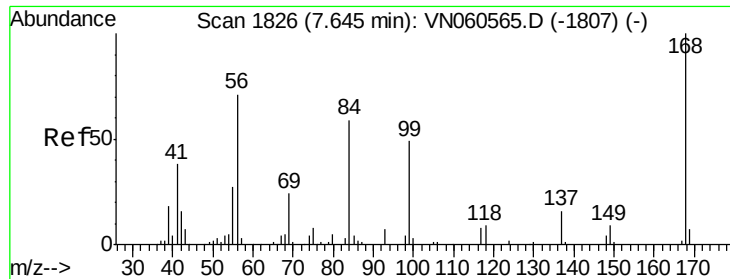
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 136061

Ion Ratio Lower Upper

168 100

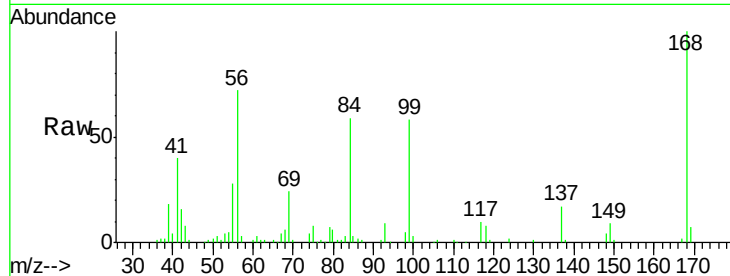
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Manual Integrations

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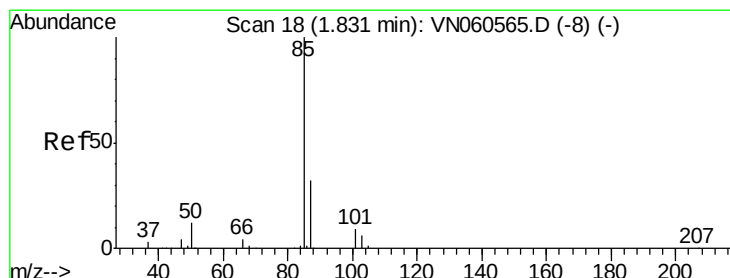
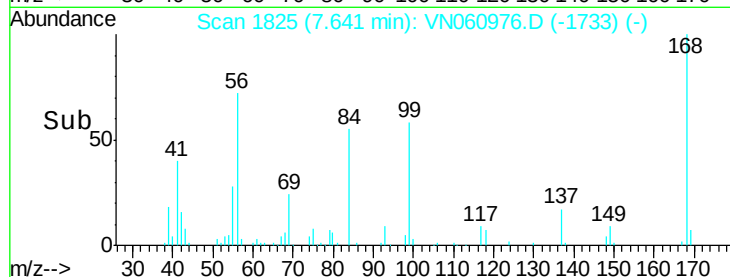
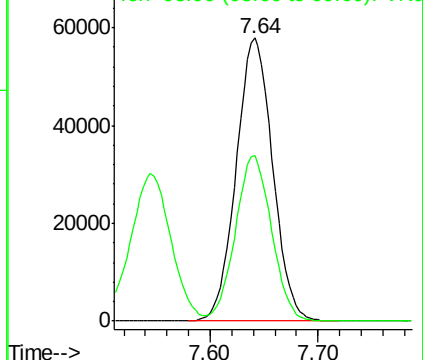
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 40.465 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060976.D

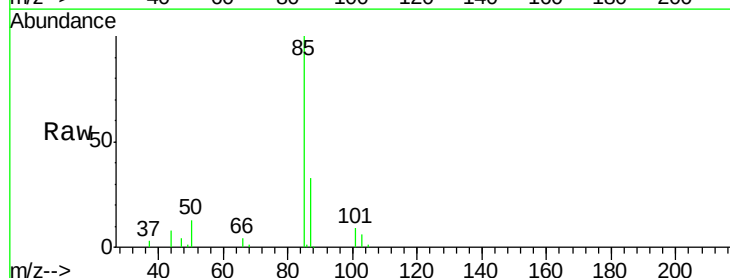
Acq: 15 Apr 2020 20:46

Tgt Ion: 85 Resp: 53273

Ion Ratio Lower Upper

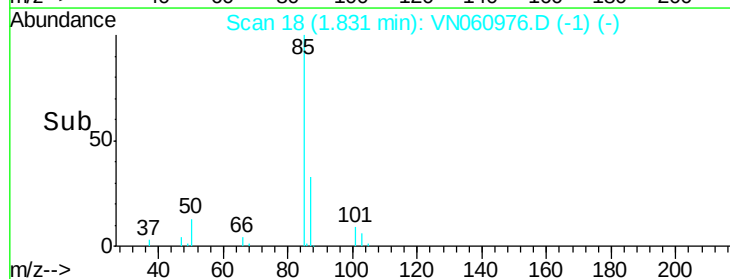
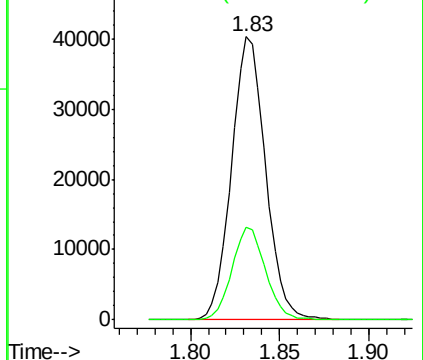
85 100

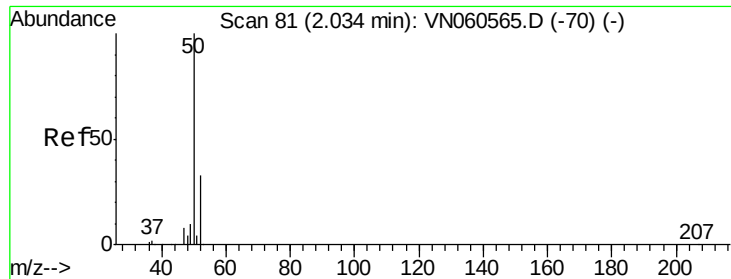
87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 40.954 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 100699

Ion Ratio Lower Upper

50 100

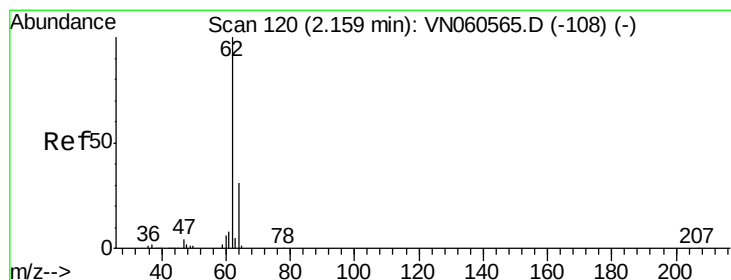
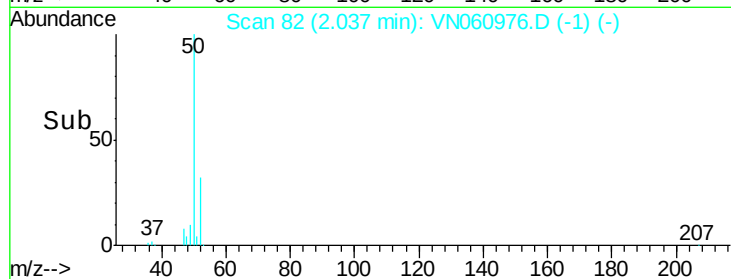
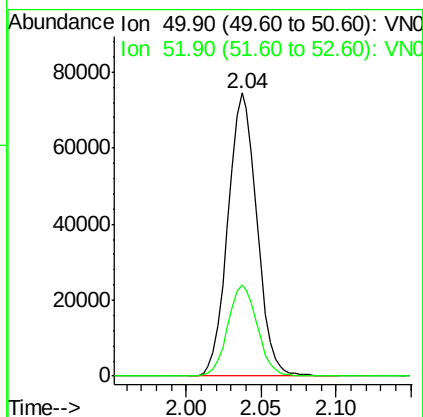
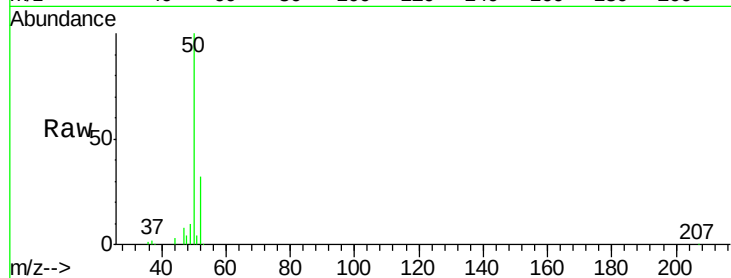
52 32.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.576 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060976.D

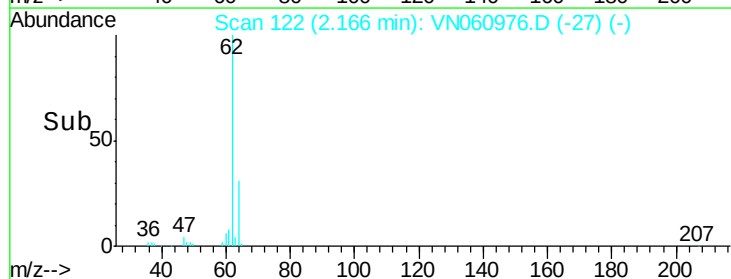
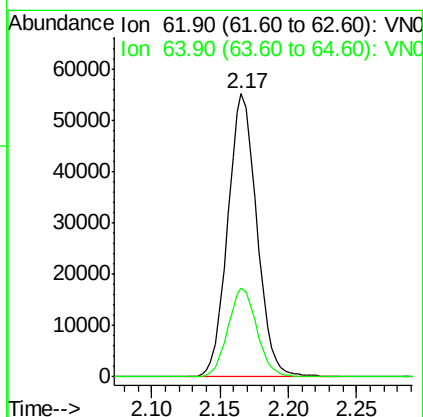
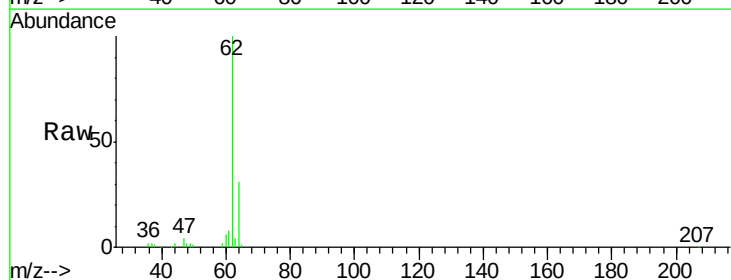
Acq: 15 Apr 2020 20:46

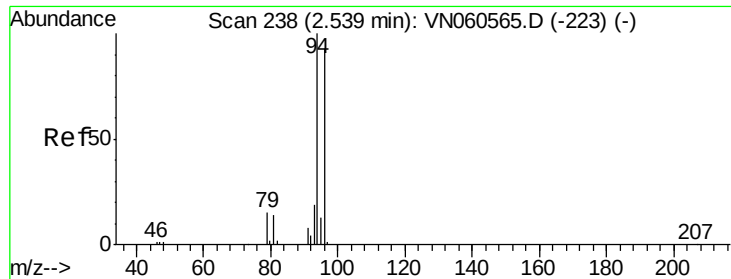
Tgt Ion: 62 Resp: 81882

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 51.529 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

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ClientSampleId :

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Tot Ion: 94 Resp: 42780

Ion Ratio Lower Upper

94 100

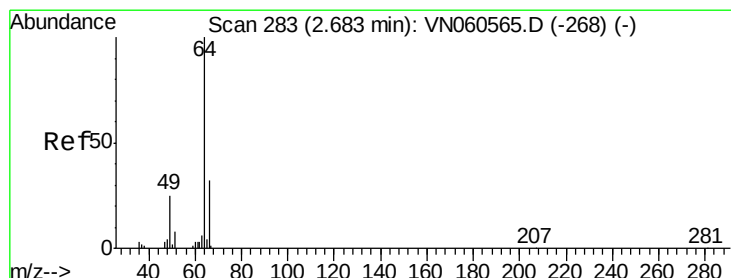
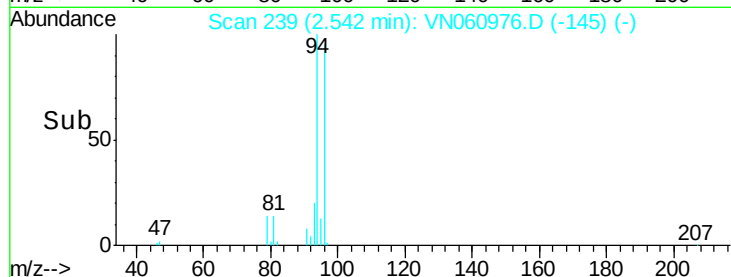
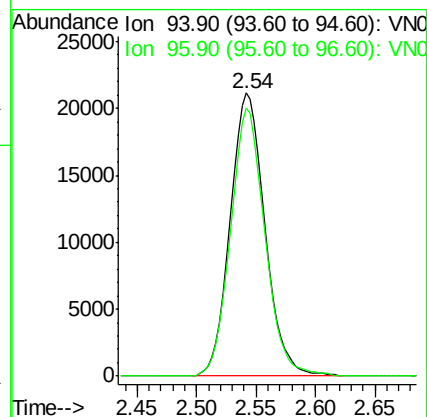
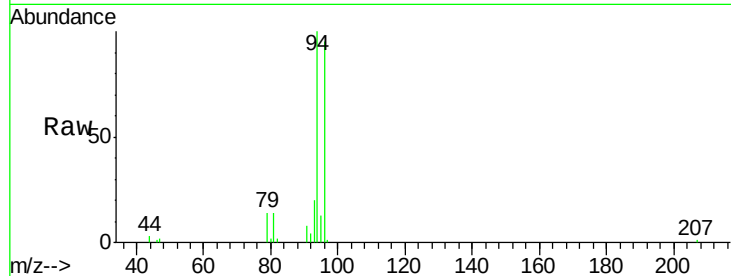
96 94.9 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 48.032 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060976.D

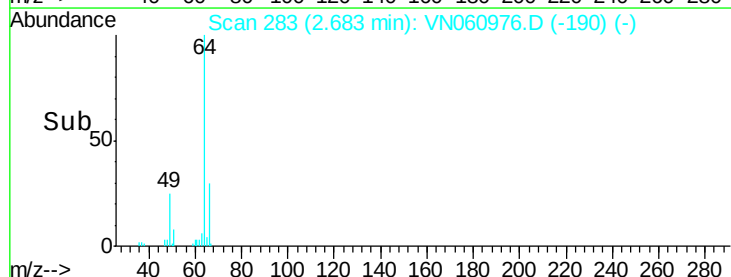
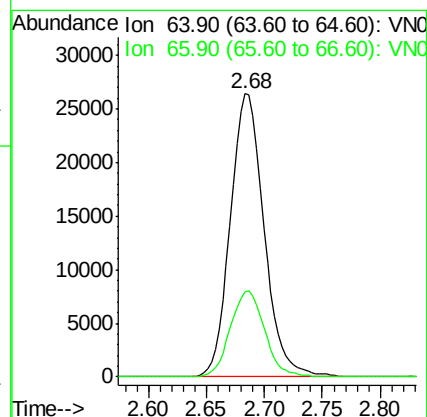
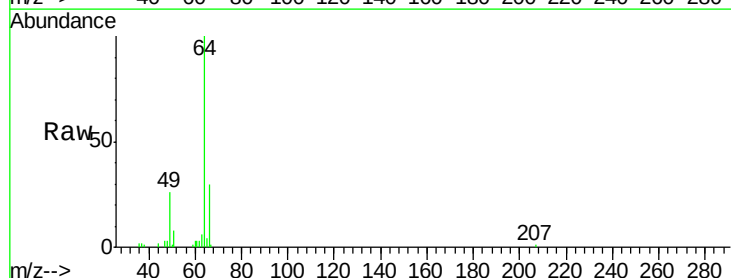
Acq: 15 Apr 2020 20:46

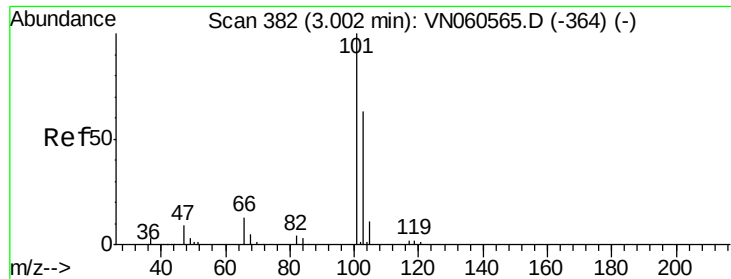
Tgt Ion: 64 Resp: 53212

Ion Ratio Lower Upper

64 100

66 30.0 25.3 37.9





#7

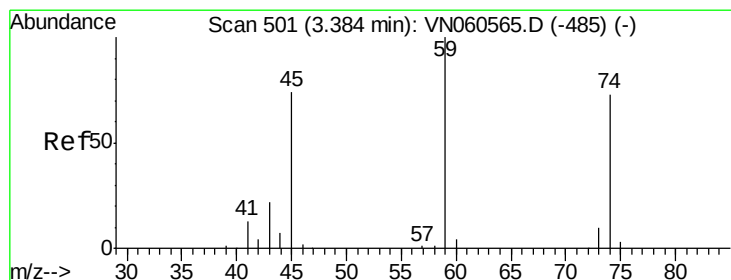
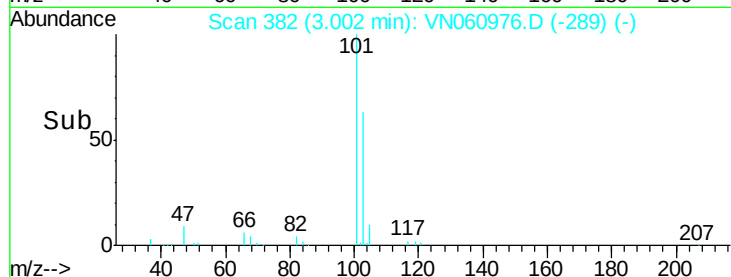
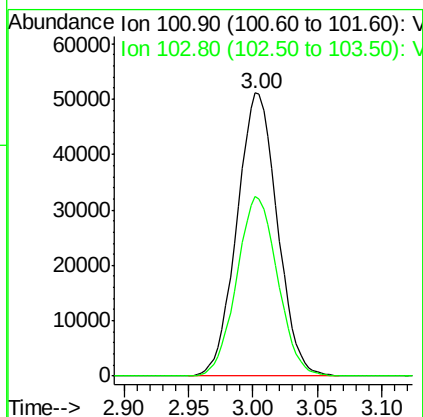
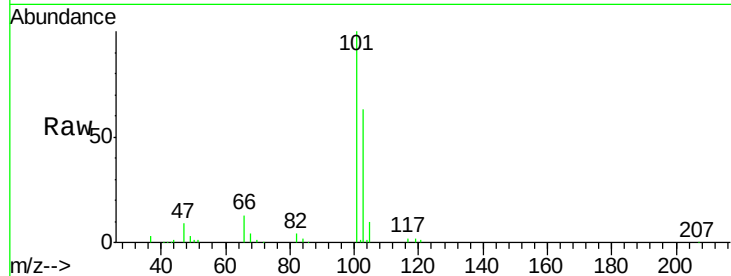
Trichlorofluoromethane
 Concen: 47.038 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.6	76.0

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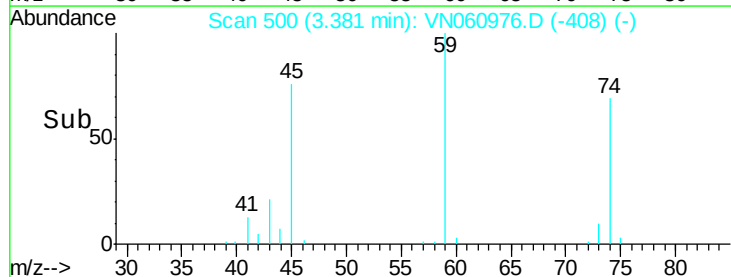
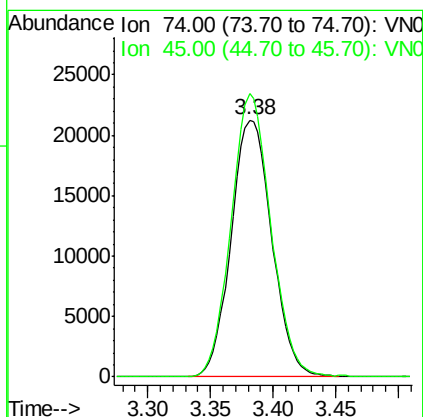
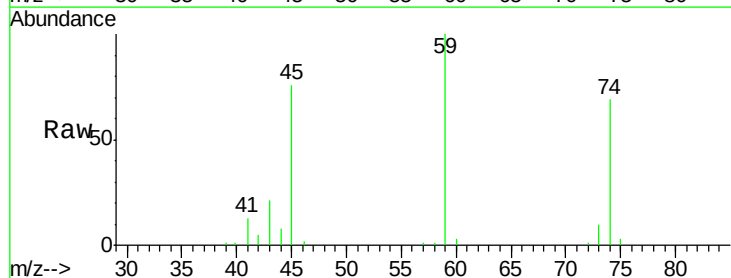
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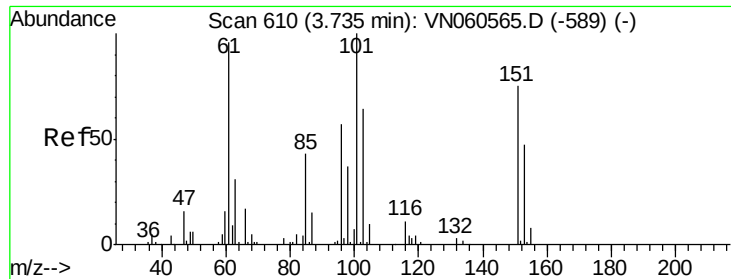


#8

Diethyl Ether
 Concen: 50.364 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060976.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.0	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.026 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

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MSVOA_N

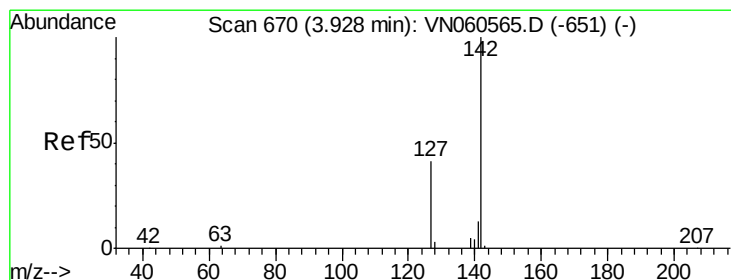
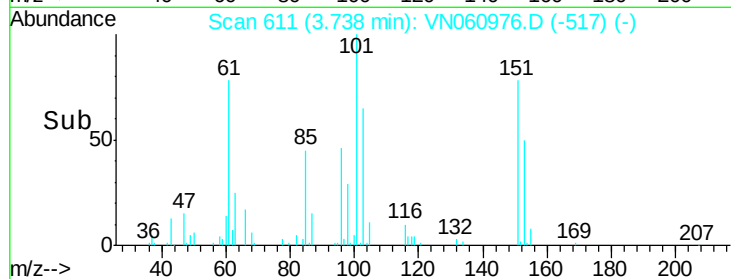
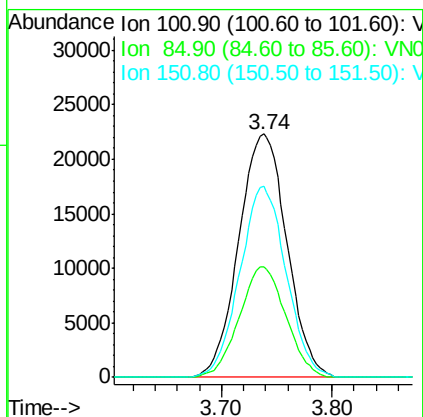
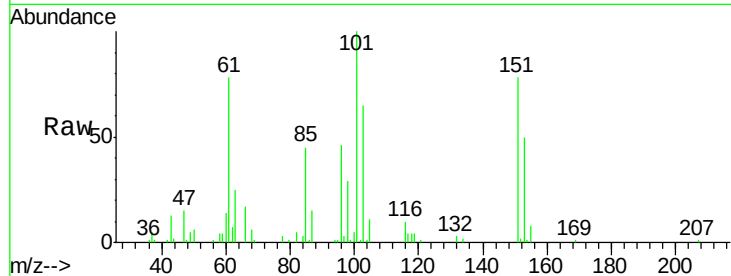
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	67300
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.6	53.4
151	75.8	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 38.858 ug/l

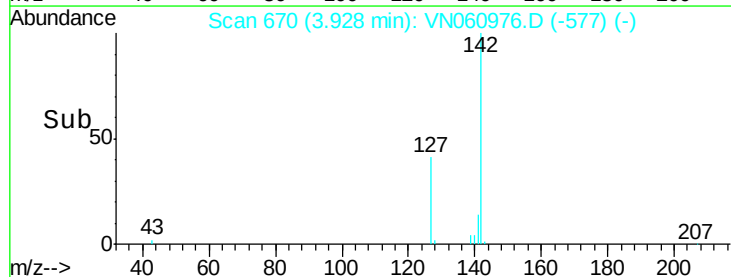
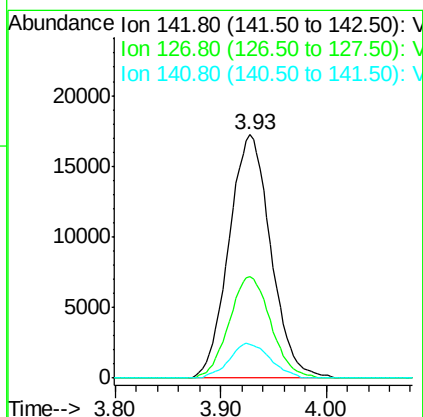
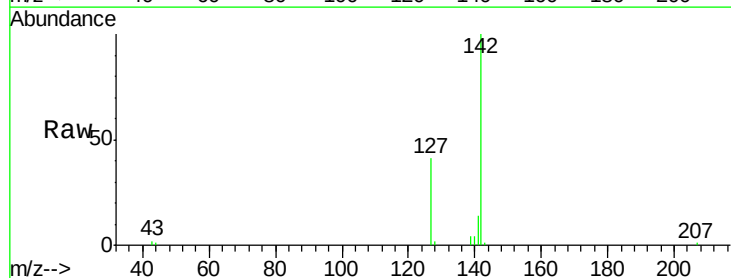
RT: 3.93 min Scan# 670

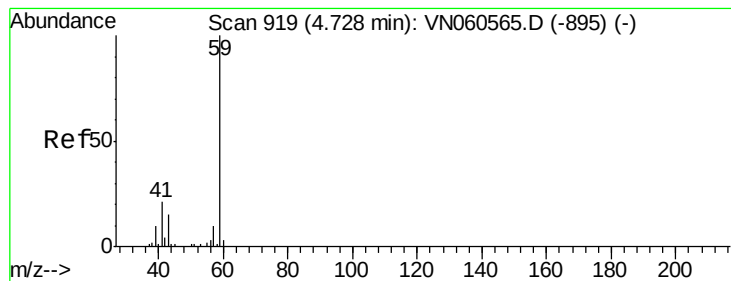
Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Tgt Ion:	142	Resp:	47465
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.5	50.3
141	13.8	11.0	16.6





#11

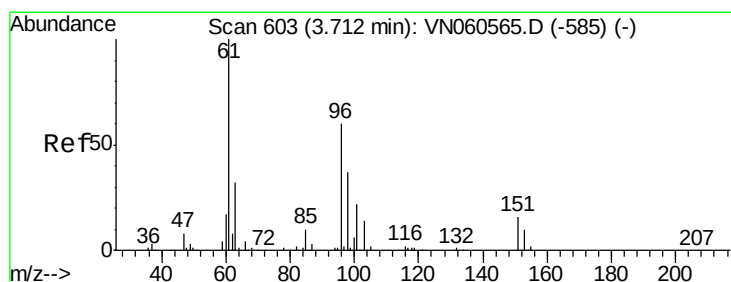
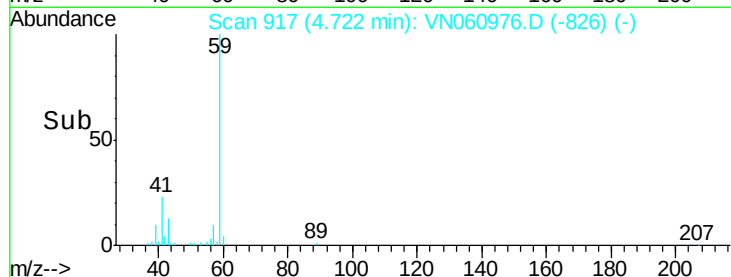
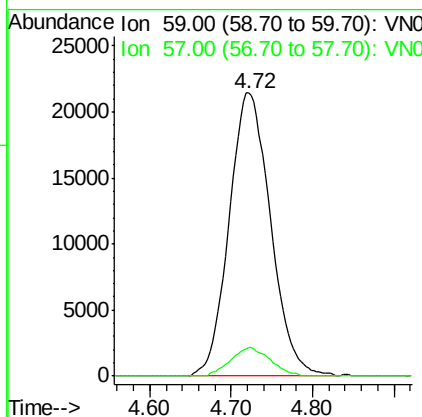
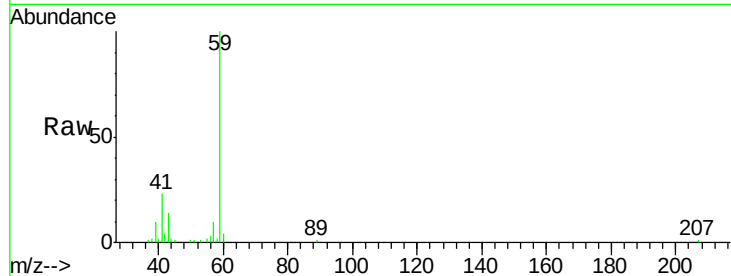
Tert butyl alcohol
Concen: 275.731 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

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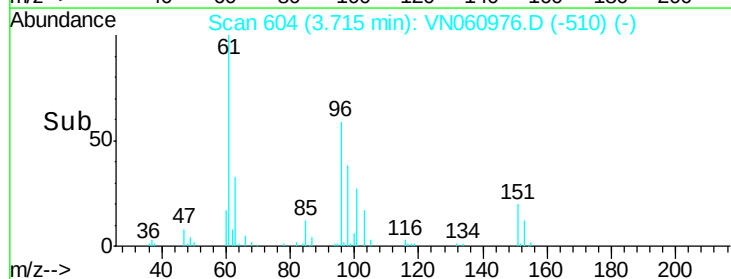
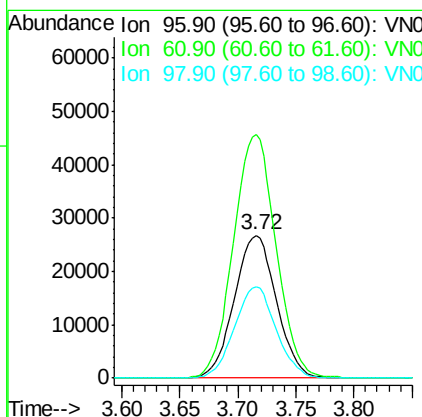
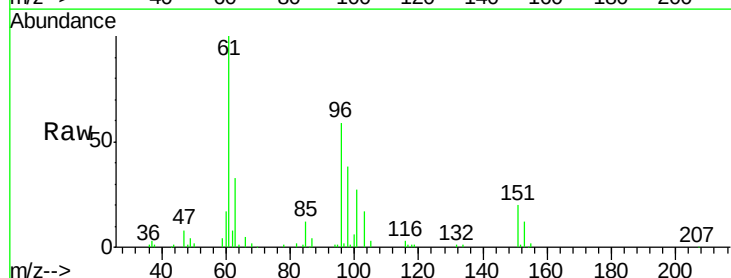
MMDadoda
4/16/2020 11:15:37 AM

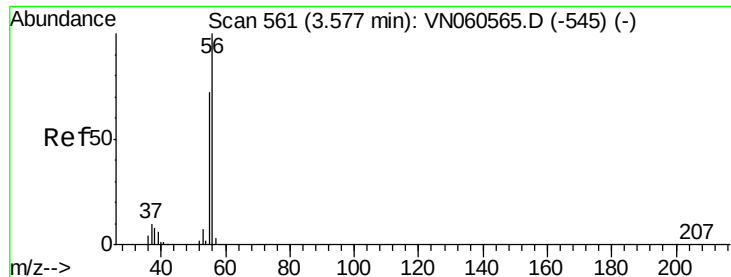


#12

1,1-Dichloroethene
Concen: 45.818 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.5	134.1	201.1
98	64.3	49.9	74.9





#13

Acrolein

Concen: 282.824 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 86104

Ion Ratio Lower Upper

56 100

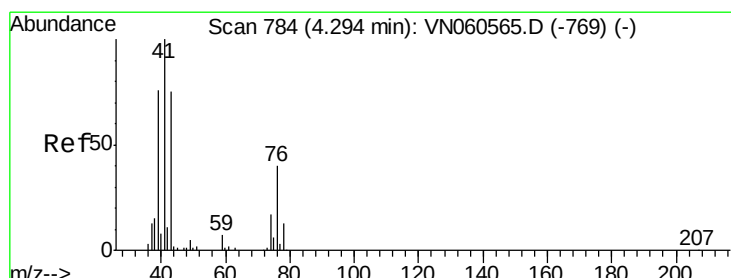
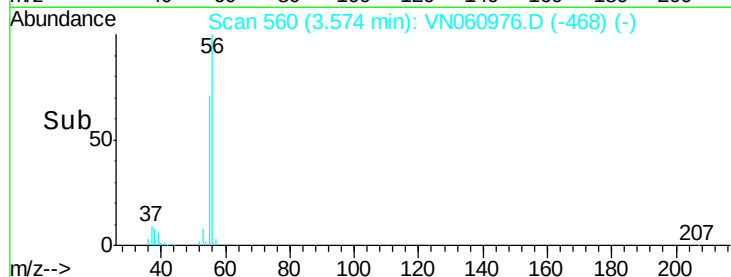
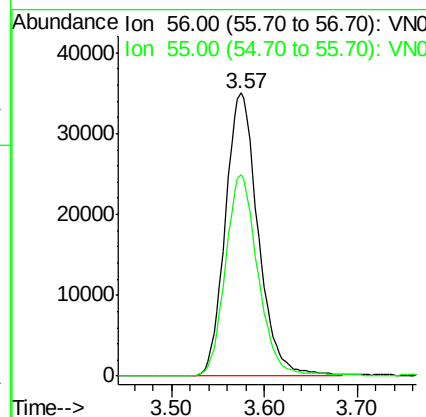
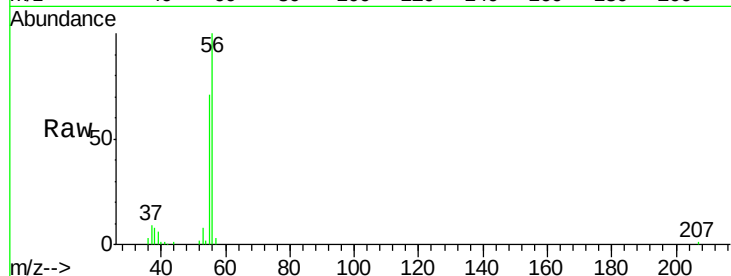
55 69.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 49.485 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

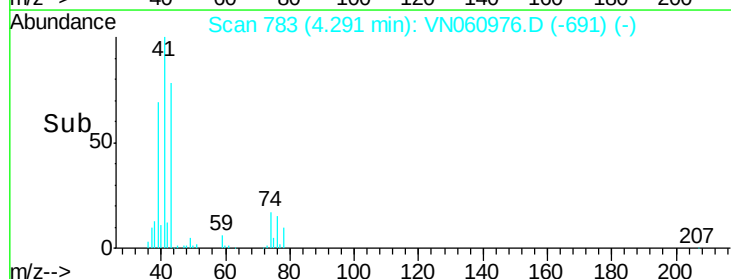
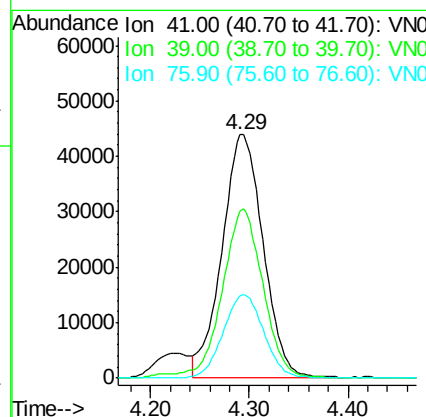
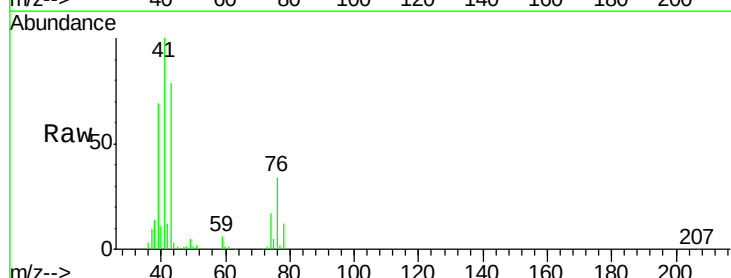
Tgt Ion: 41 Resp: 128210

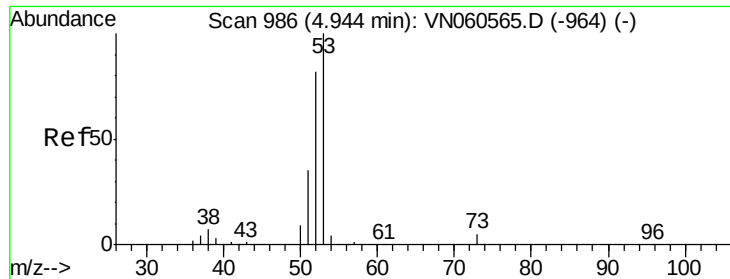
Ion Ratio Lower Upper

41 100

39 68.2 57.8 86.8

76 33.7 28.6 43.0





#15

Acrylonitrile

Concen: 271.436 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

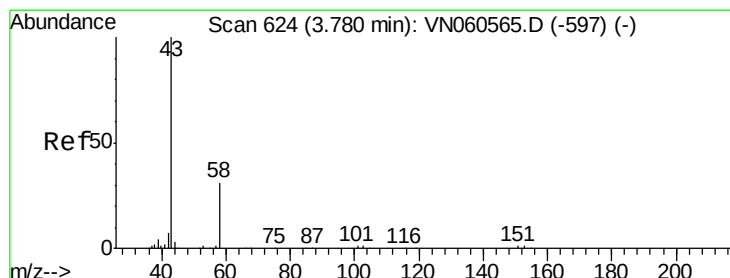
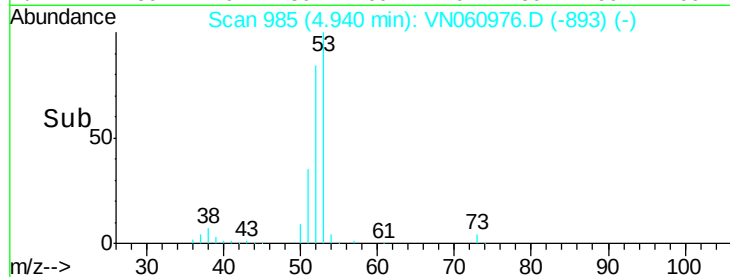
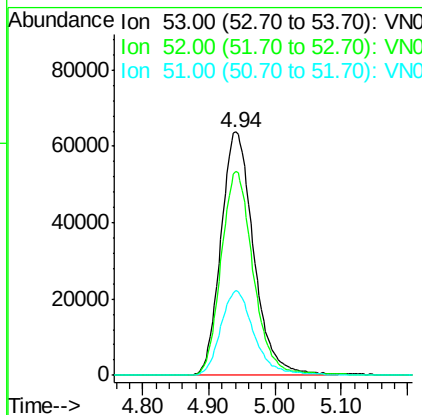
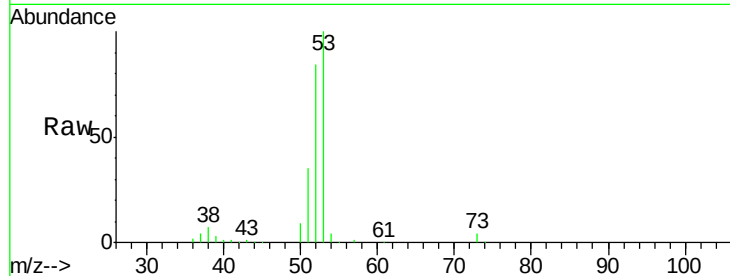
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	219257
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.4
51	35.2	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 263.624 ug/l

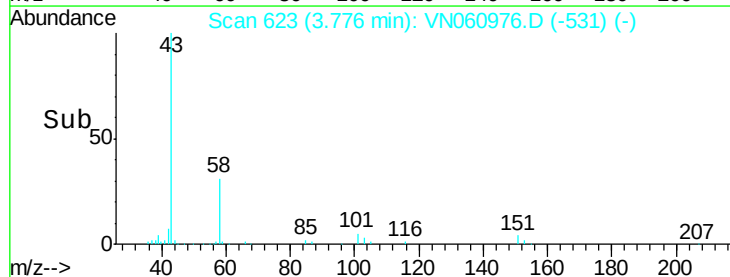
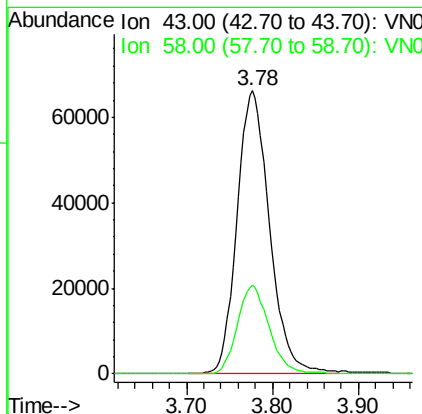
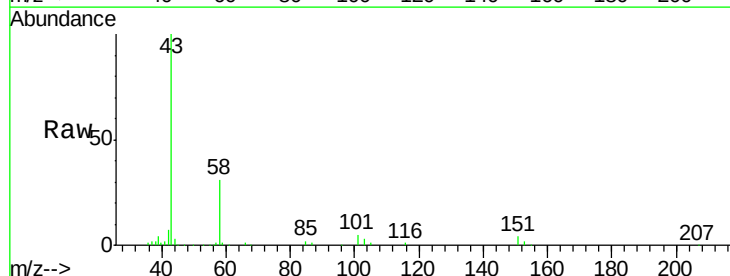
RT: 3.78 min Scan# 623

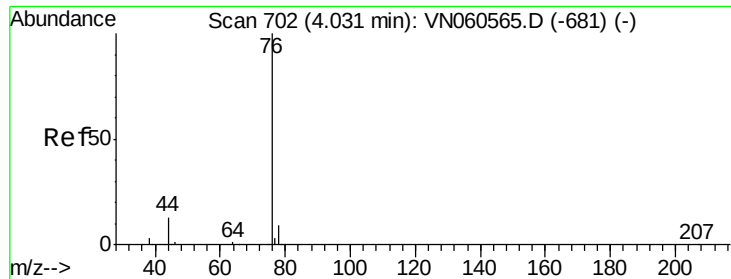
Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Tgt Ion:	43	Resp:	174418
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.1	37.7





#17

Carbon Disulfide

Concen: 39.623 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 177520

Ion Ratio Lower Upper

76 100

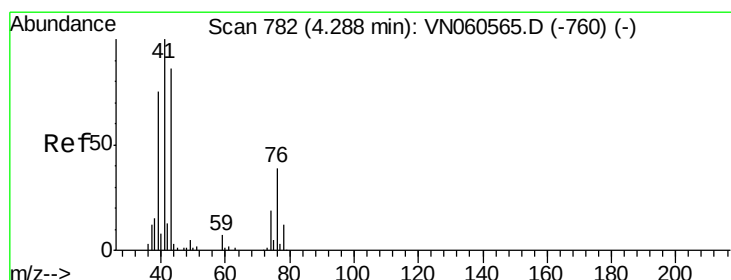
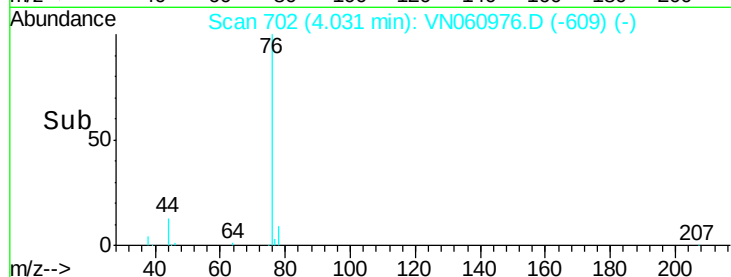
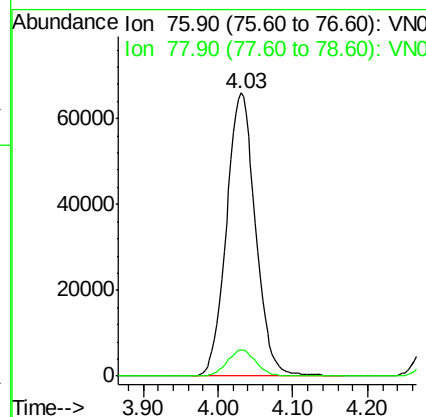
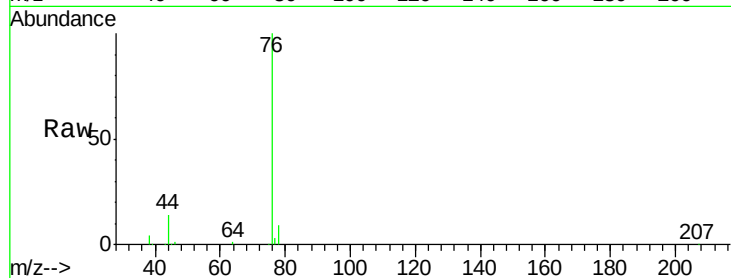
78 9.4 7.2 10.8

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#18

Methyl Acetate

Concen: 56.312 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060976.D

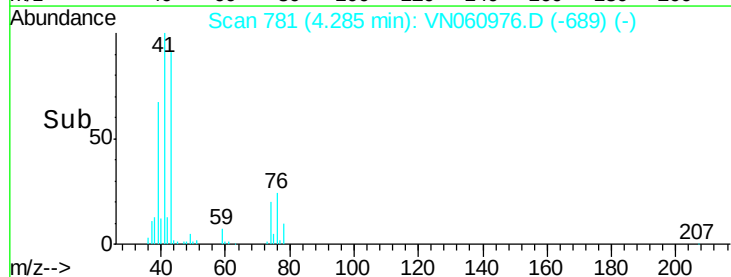
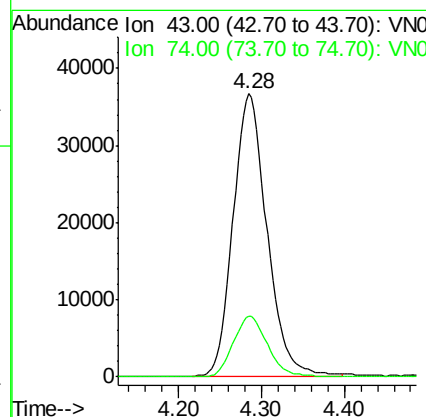
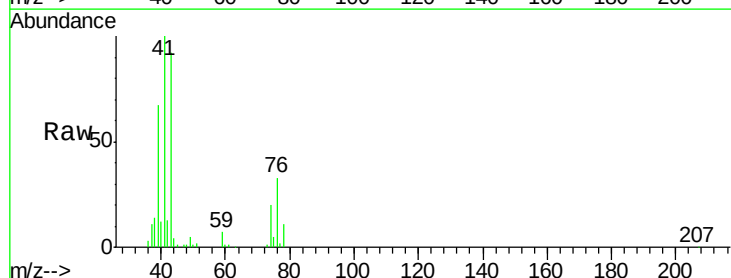
Acq: 15 Apr 2020 20:46

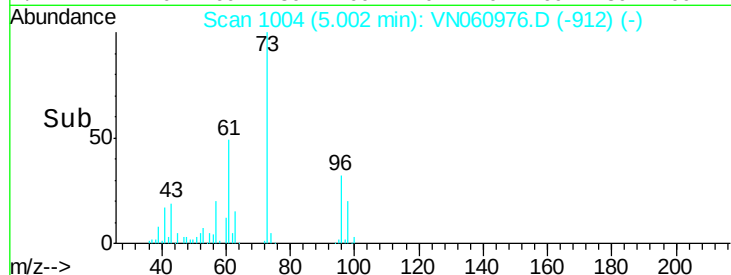
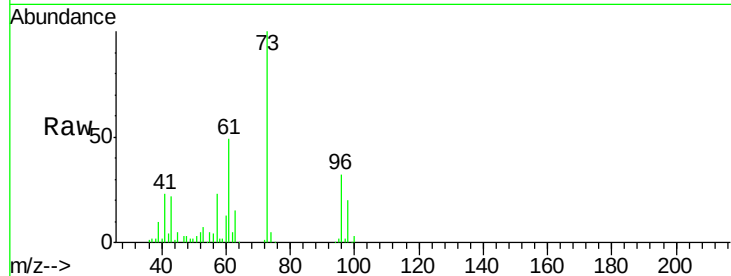
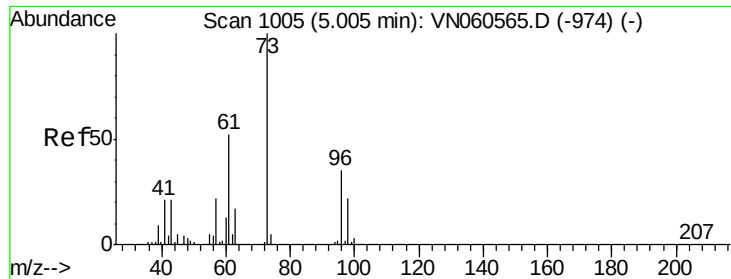
Tgt Ion: 43 Resp: 104869

Ion Ratio Lower Upper

43 100

74 21.4 17.5 26.3





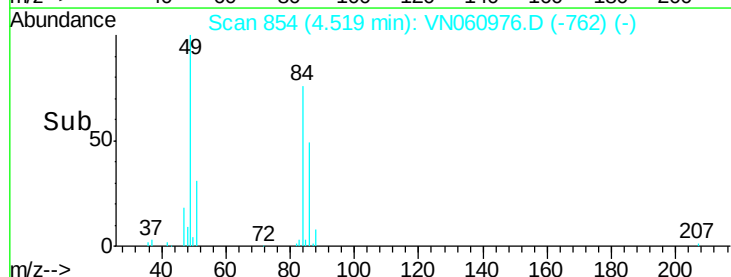
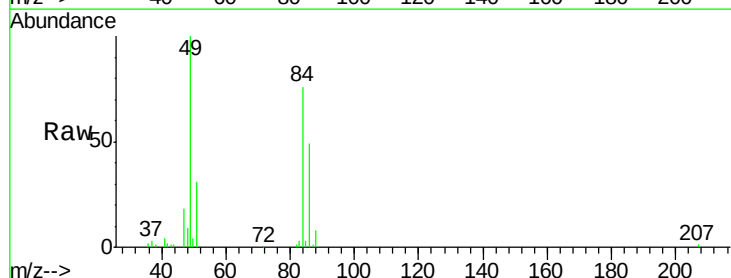
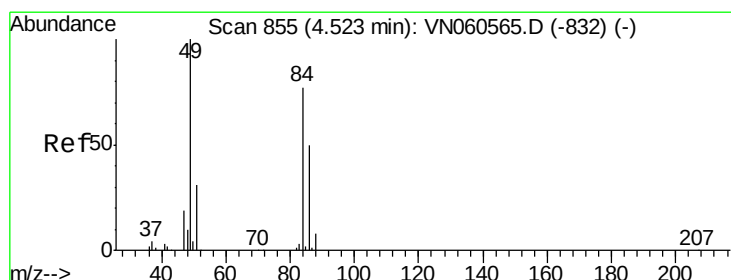
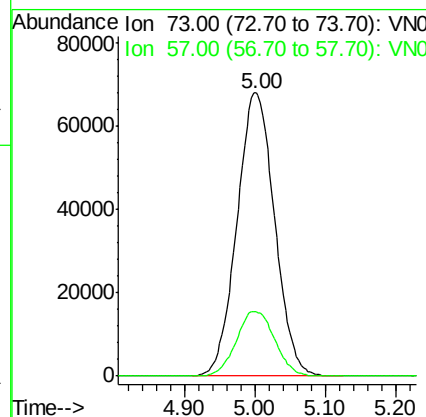
#19
Methyl tert-butyl Ether
Concen: 49.924 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.5	26.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

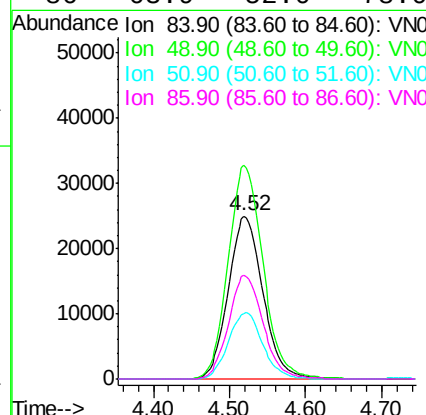
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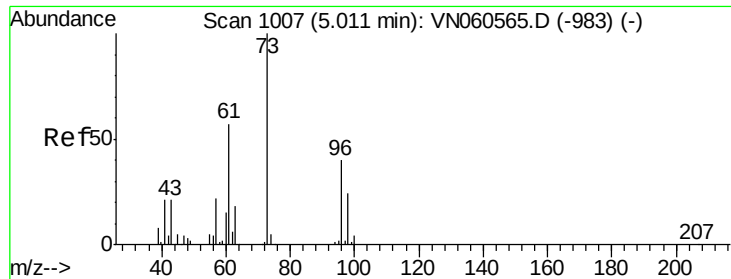
MMDadoda
4/16/2020 11:15:37 AM



#20
Methylene Chloride
Concen: 48.802 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.2	103.3	154.9
51	40.4	31.6	47.4
86	63.9	52.0	78.0





#21

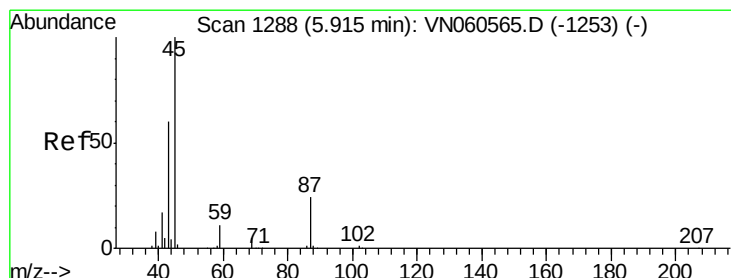
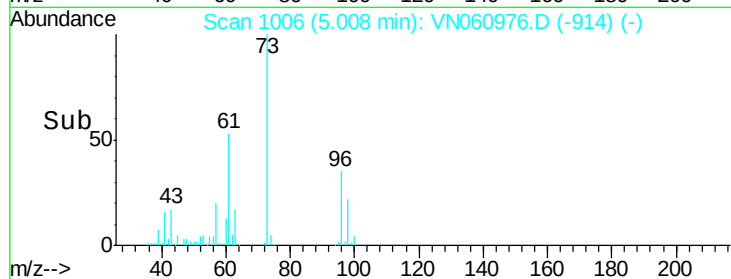
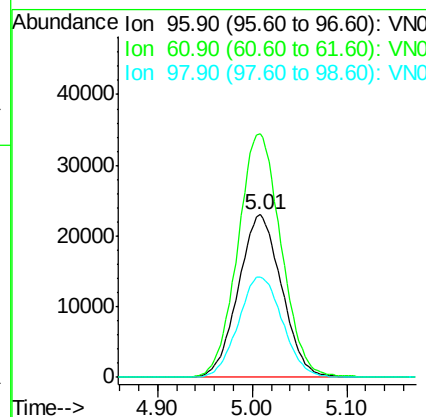
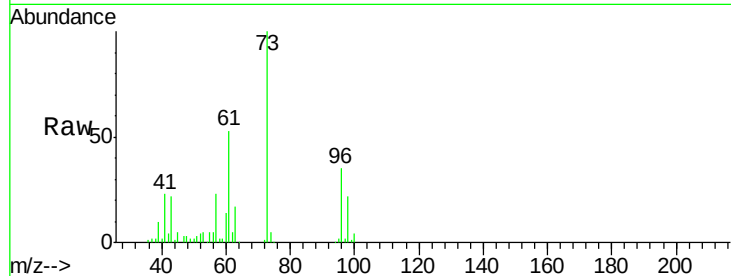
trans-1,2-Dichloroethene
Concen: 46.580 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	114.4	171.6
98	61.9	48.4	72.6

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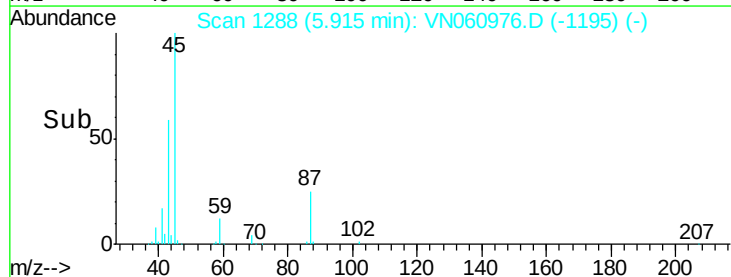
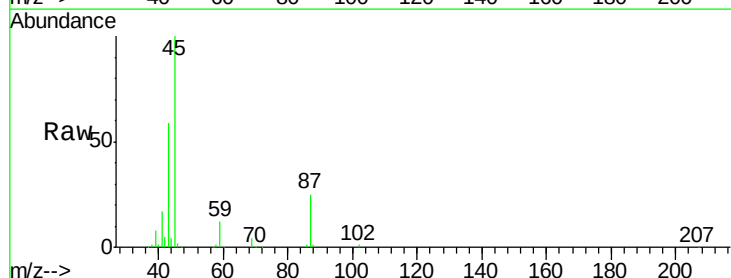
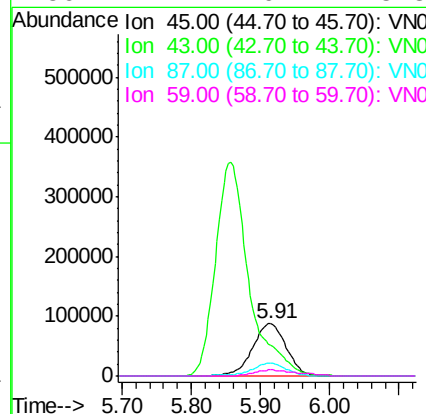
MMDadoda
4/16/2020 11:15:37 AM

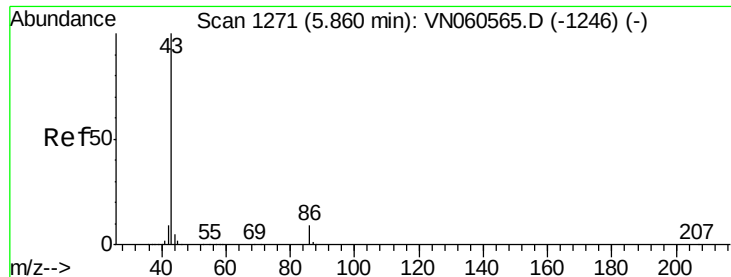


#22

Diisopropyl ether
Concen: 53.890 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	49.8	74.8
87	24.8	20.1	30.1
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 269.581 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1203986

Ion Ratio Lower Upper

43 100

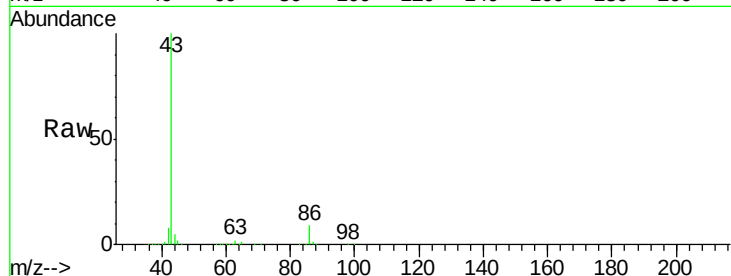
86 8.9 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060976.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060976.D (-1178) (-)

5.86

400000

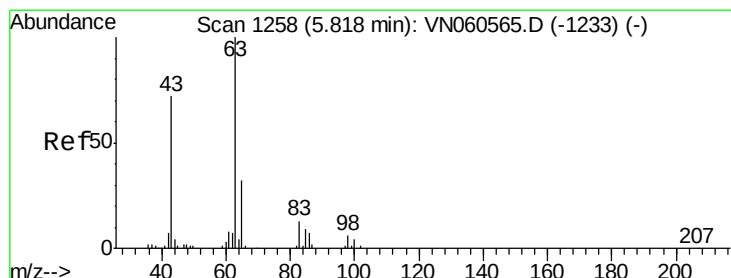
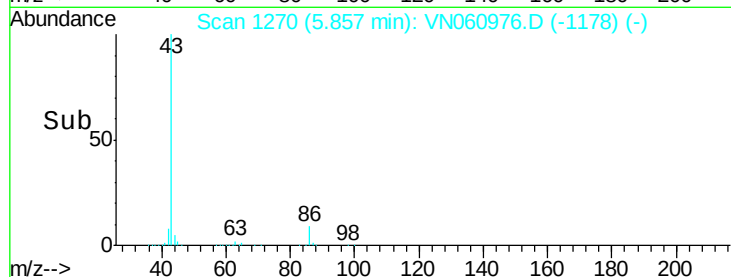
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.578 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

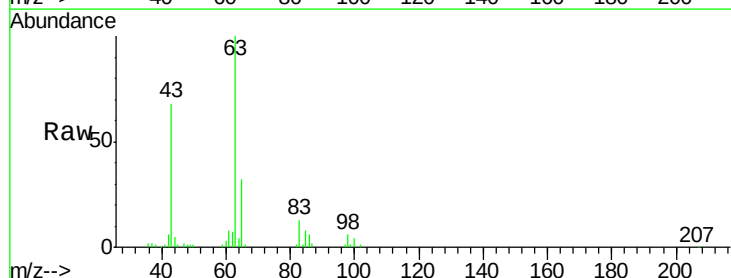
Tgt Ion: 63 Resp: 153911

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060976.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060976.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060976.D (-1165) (-)

5.81

60000

50000

40000

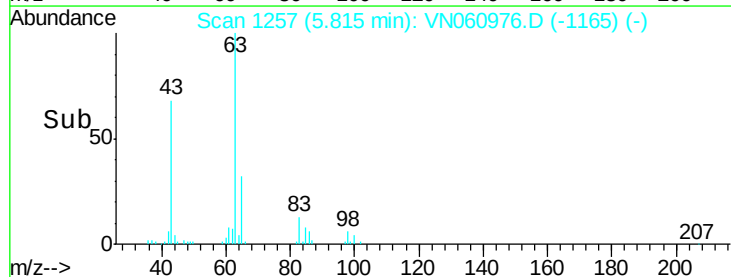
30000

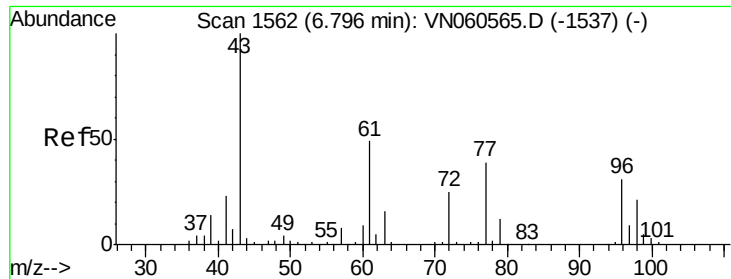
20000

10000

0

Time-->





#25

2-Butanone

Concen: 271.621 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 290800

Ion Ratio Lower Upper

43 100

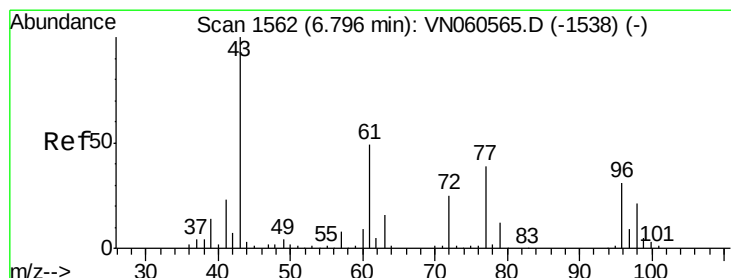
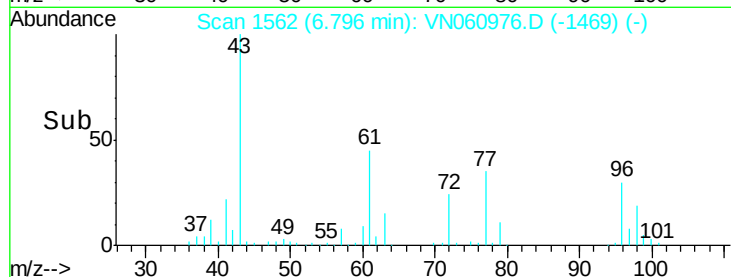
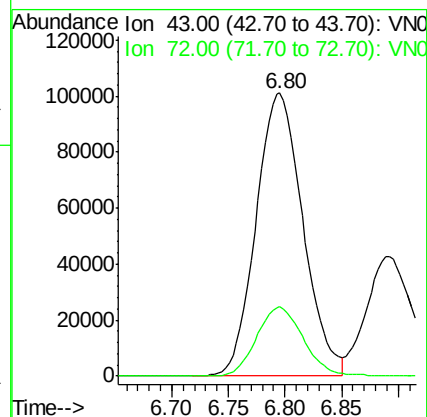
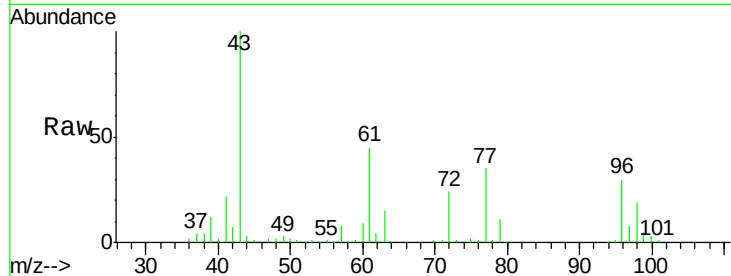
72 24.5 20.4 30.6

Manual Integrations

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MMDadoda

4/16/2020 11:15:37 AM



#26

2,2-Dichloropropane

Concen: 48.397 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060976.D

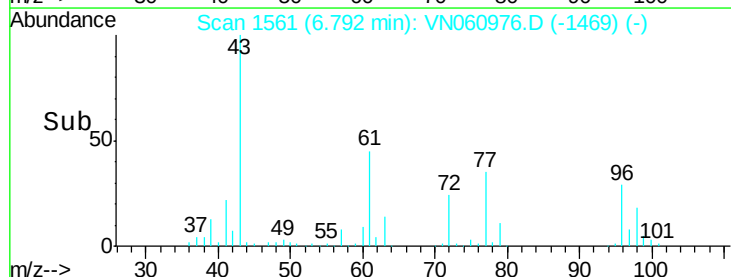
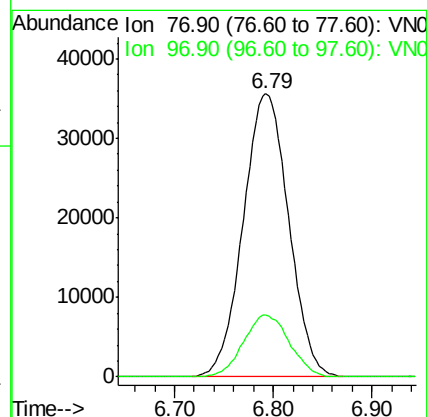
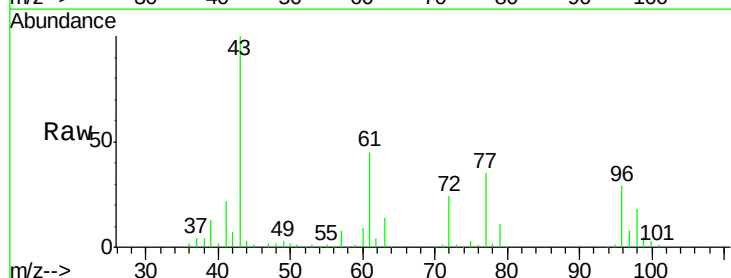
Acq: 15 Apr 2020 20:46

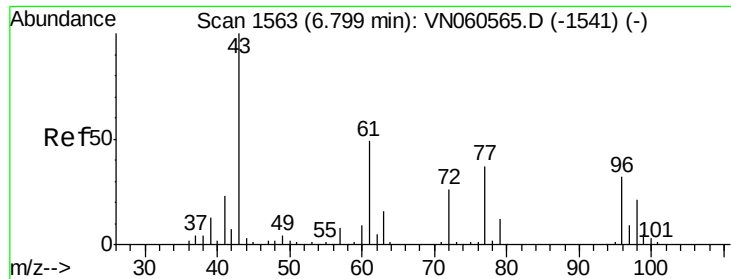
Tgt Ion: 77 Resp: 113626

Ion Ratio Lower Upper

77 100

97 22.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 49.093 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

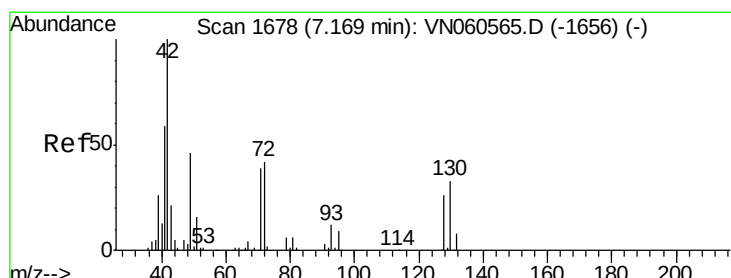
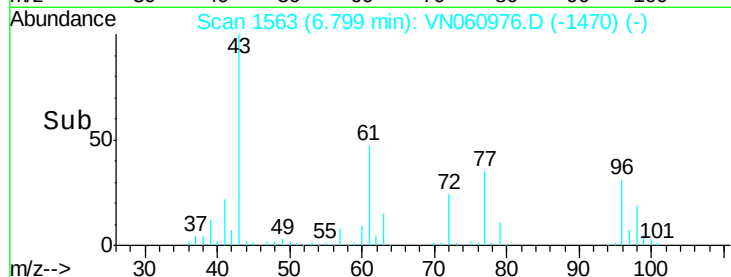
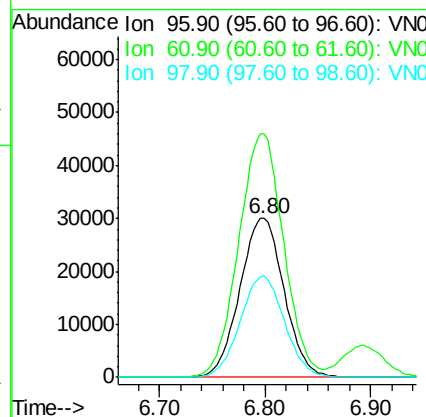
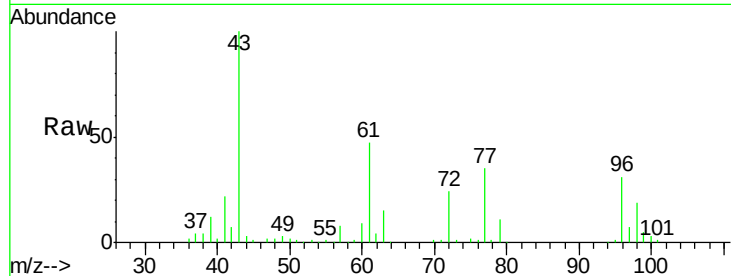
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	87588
Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	305.6
98	63.7	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 53.532 ug/l

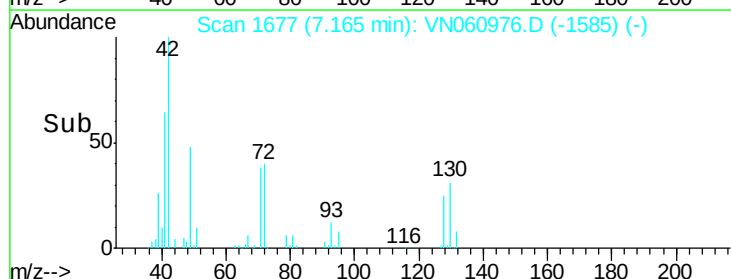
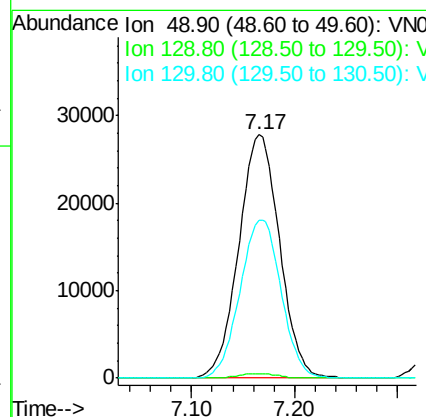
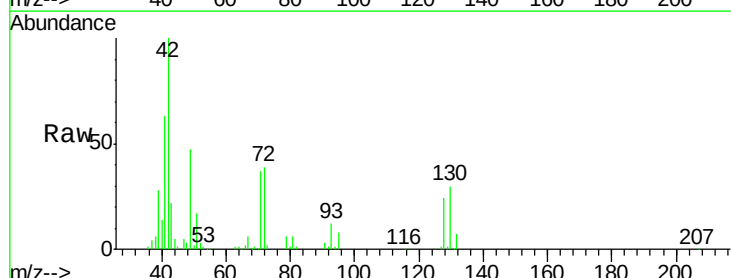
RT: 7.17 min Scan# 1677

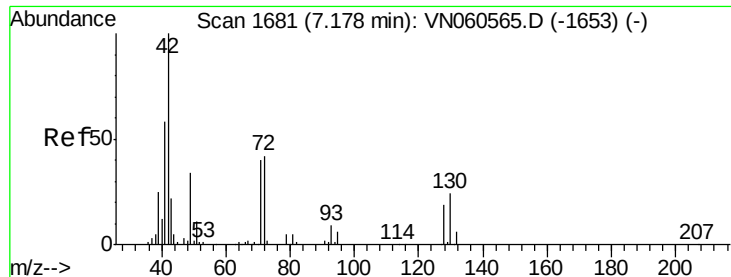
Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Tgt Ion:	49	Resp:	76426
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	65.3	55.0	82.4





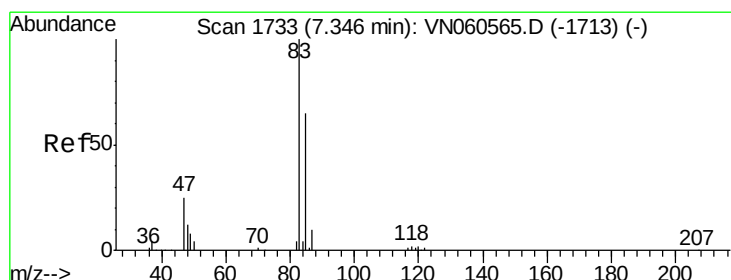
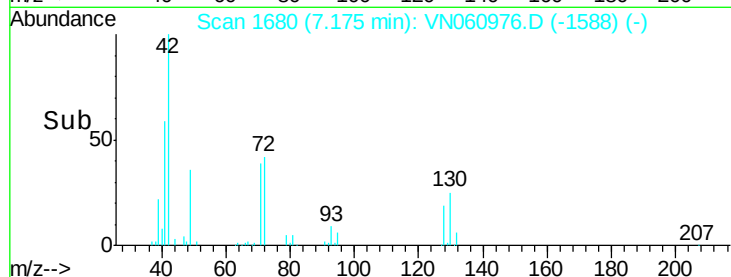
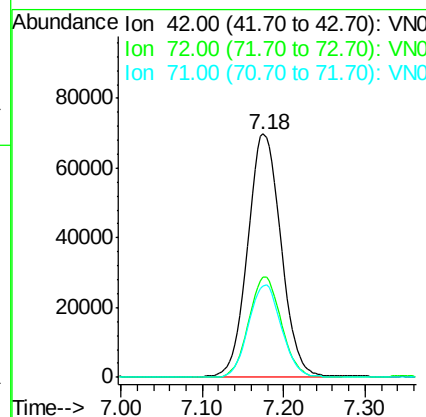
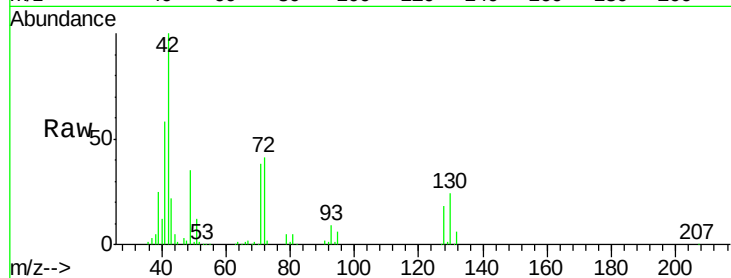
#29
Tetrahydrofuran
Concen: 260.773 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.2	49.8
71	37.4	31.1	46.7

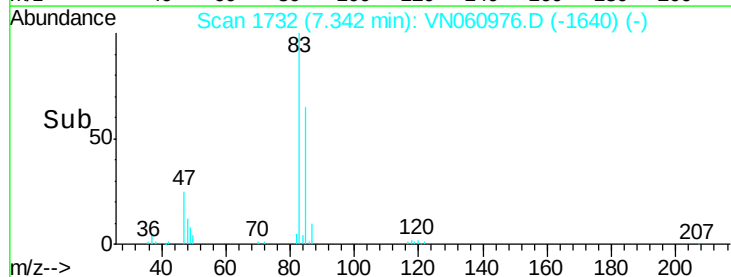
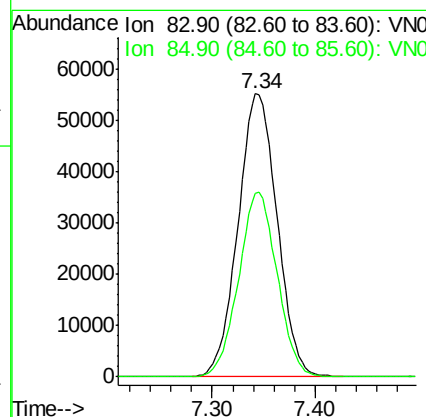
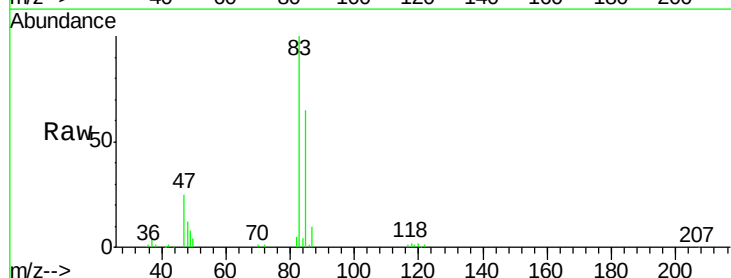
Manual Integrations
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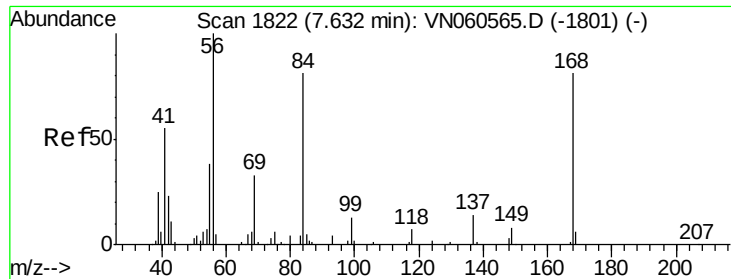
MMDadoda
4/16/2020 11:15:37 AM



#30
Chloroform
Concen: 50.869 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





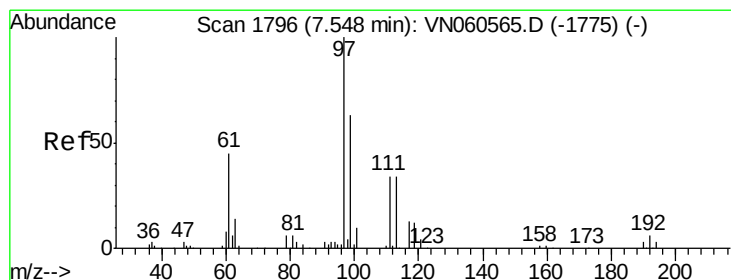
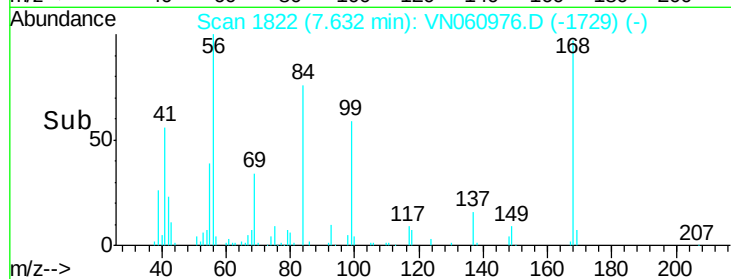
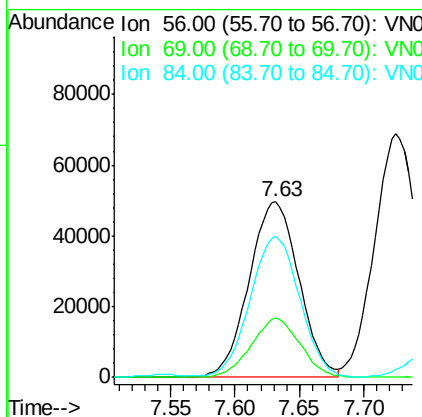
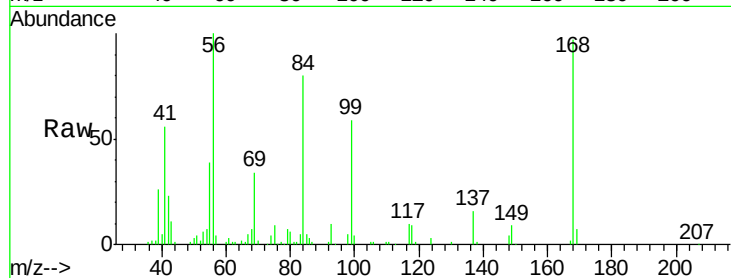
#31
Cyclohexane
Concen: 44.449 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.6	40.0
84	79.3	64.3	96.5

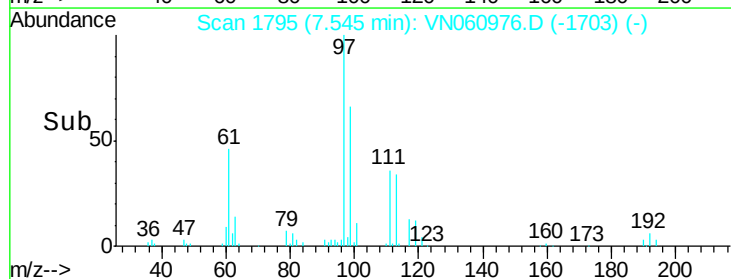
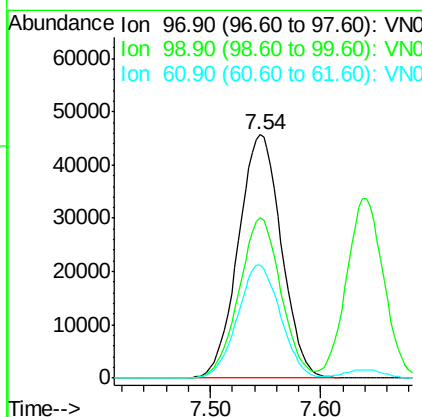
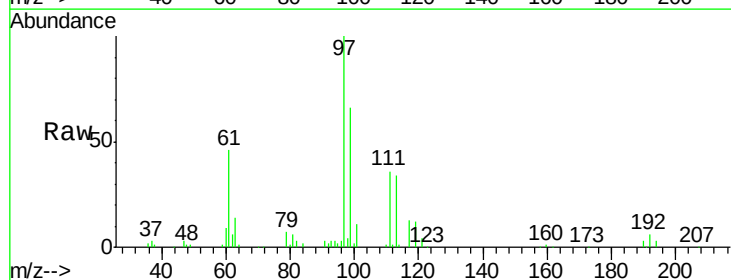
Manual Integrations
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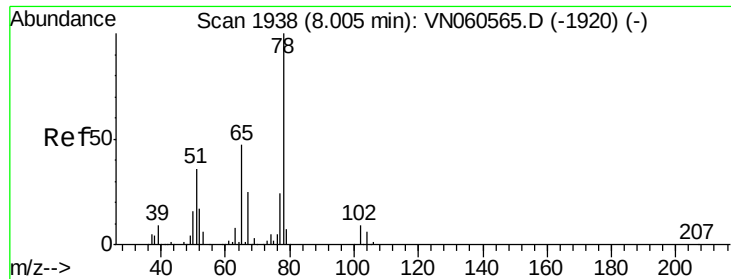
MMDadoda
4/16/2020 11:15:37 AM



#32
1,1,1-Trichloroethane
Concen: 50.018 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	75.8
61	46.2	36.2	54.4





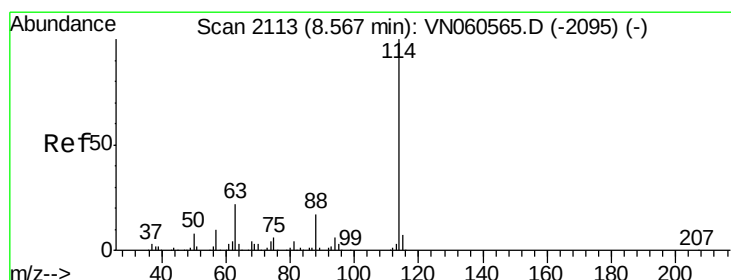
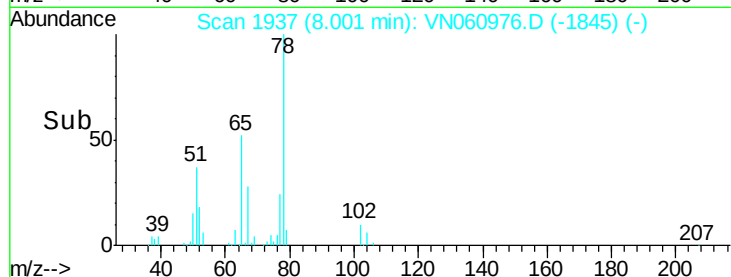
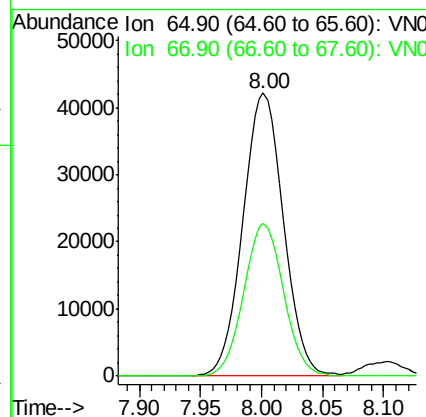
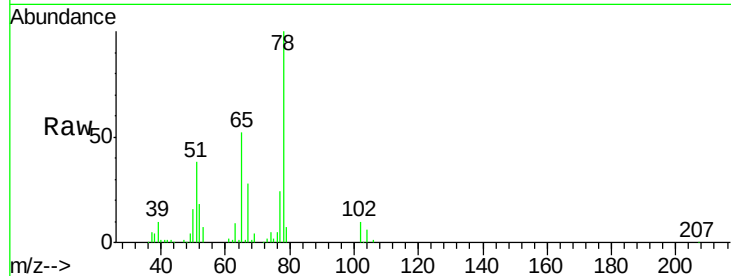
#33
 1,2-Dichloroethane-d4
 Concen: 51.922 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.6

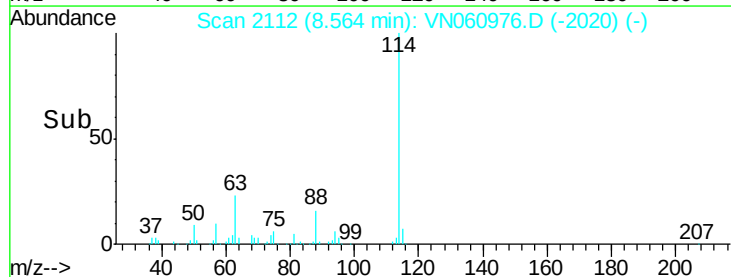
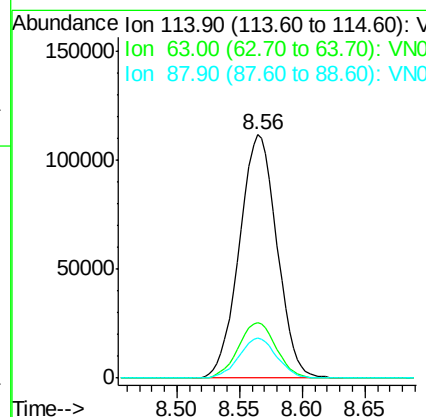
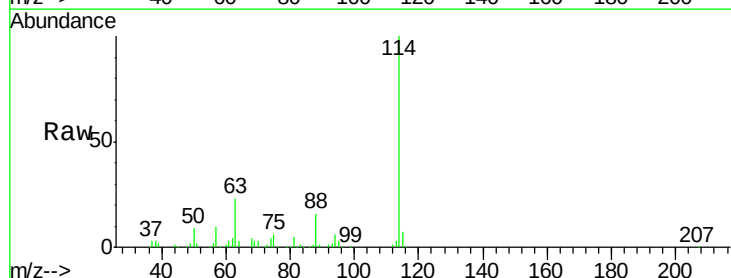
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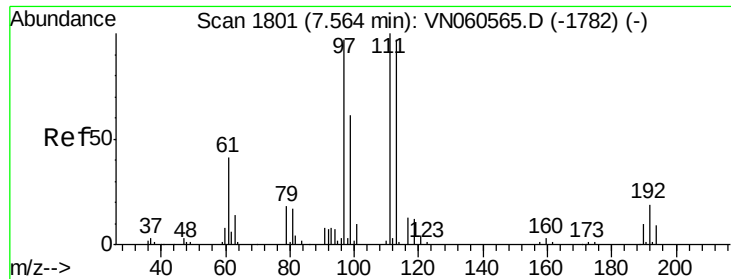
MMDadoda
 4/16/2020 11:15:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	43.8
88	16.2	0.0	33.0





#35

Dibromofluoromethane

Concen: 51.437 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 72425

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

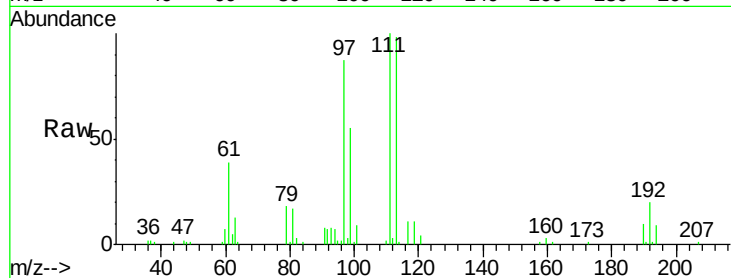
192 19.4 15.8 23.8

Manual Integrations

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MMDadoda

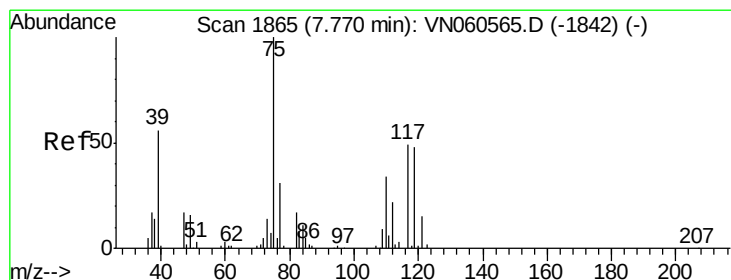
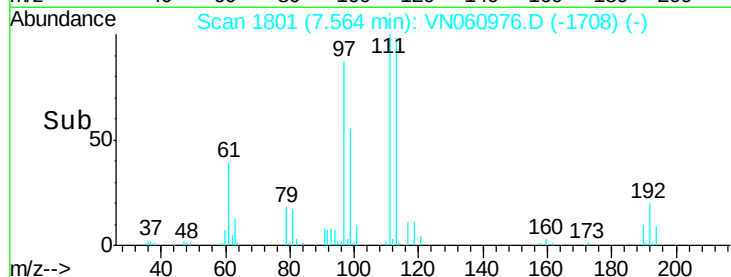
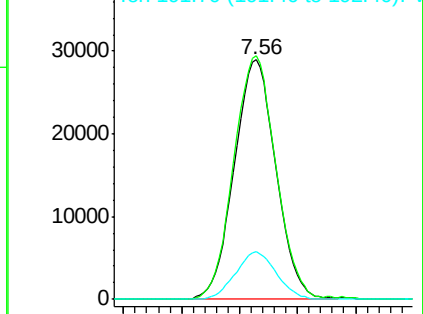
4/16/2020 11:15:37 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.374 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

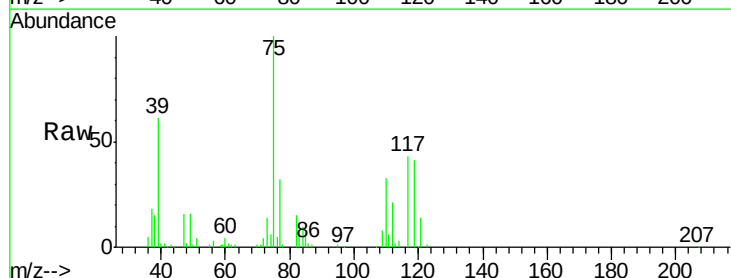
Tgt Ion: 75 Resp: 109074

Ion Ratio Lower Upper

75 100

110 33.3 16.9 50.6

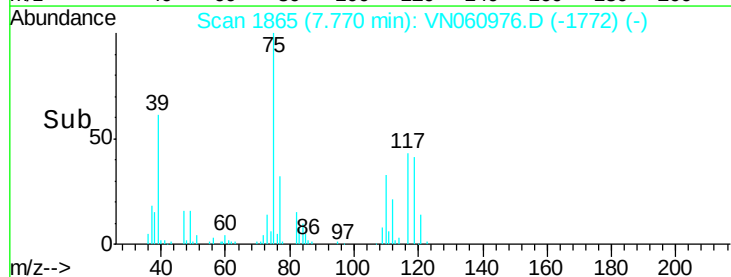
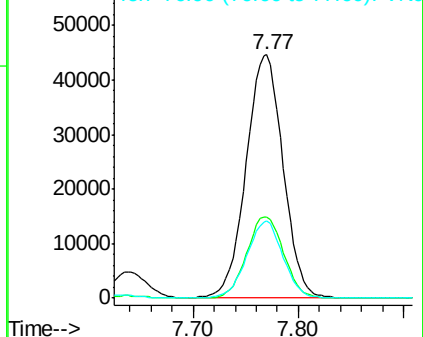
77 31.0 24.6 36.8

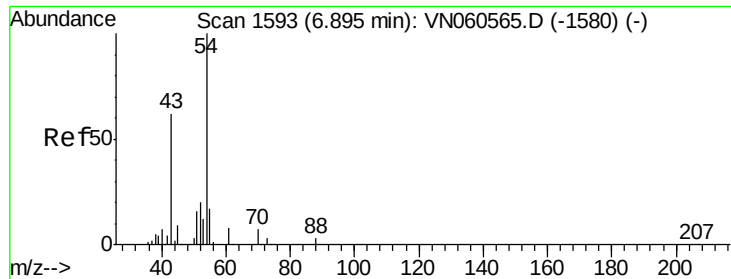


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





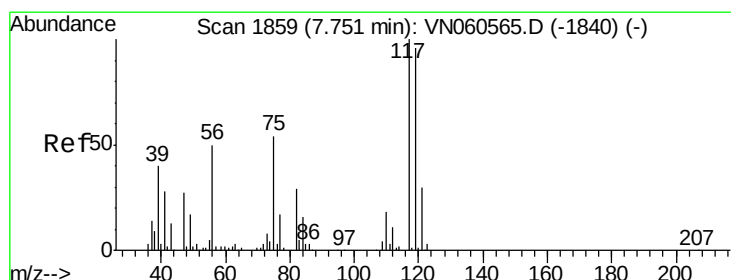
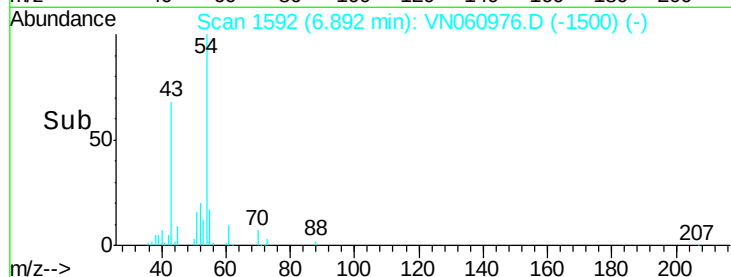
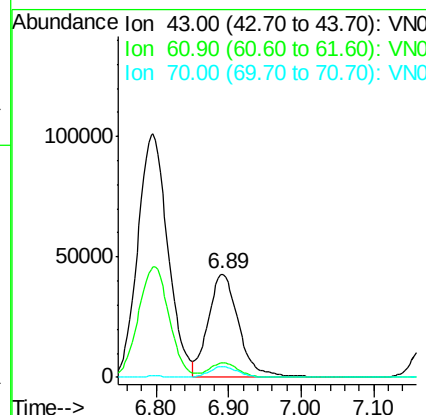
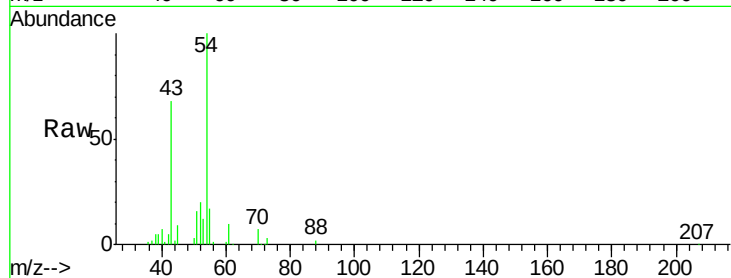
#37
Ethyl Acetate
Concen: 51.079 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	9.7	7.9	11.9

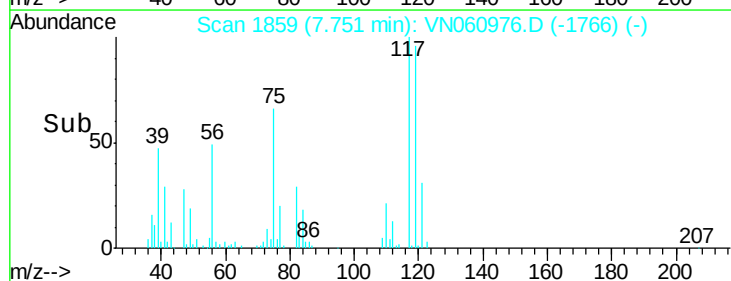
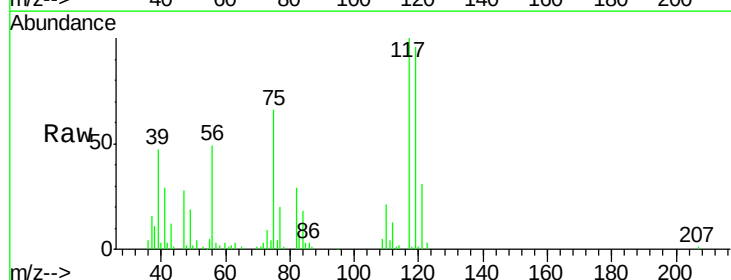
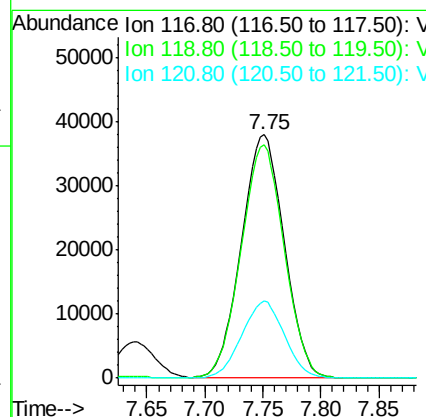
Manual Integrations
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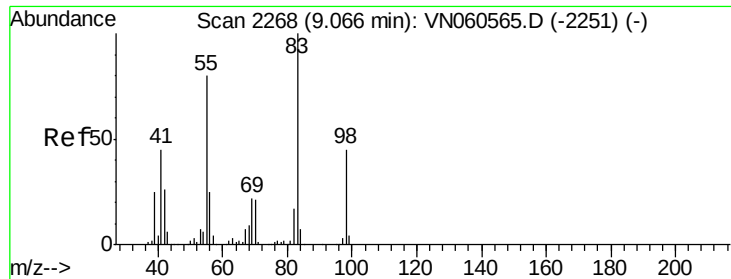
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.280 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.2
121	31.5	23.7	35.5





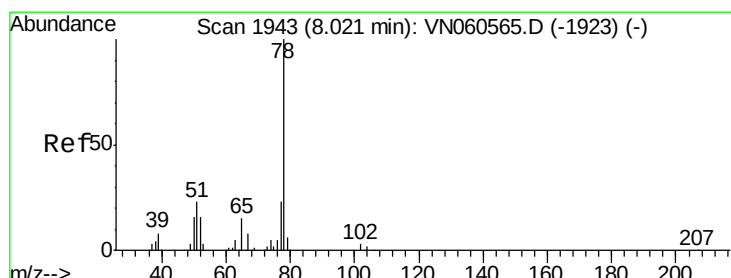
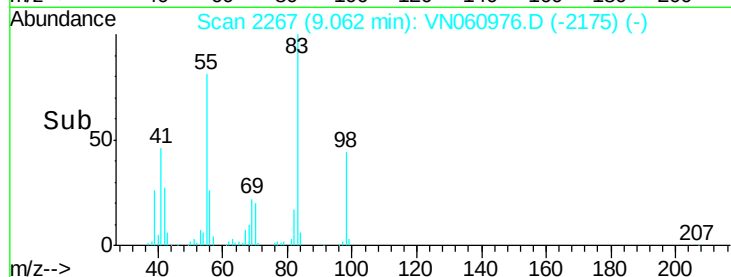
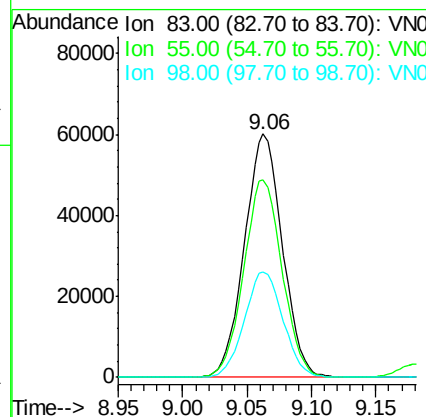
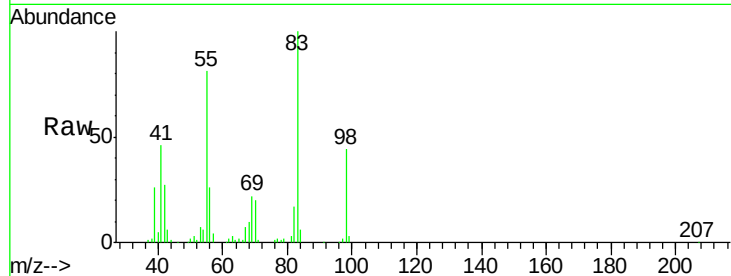
#39
Methylvlcyclohexane
Concen: 45.946 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	123114		
55	81.2	63.6	95.4	
98	43.5	36.0	54.0	

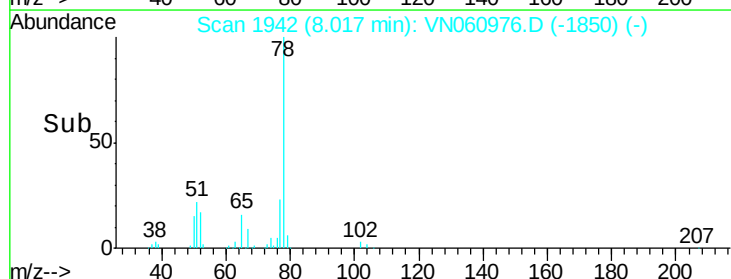
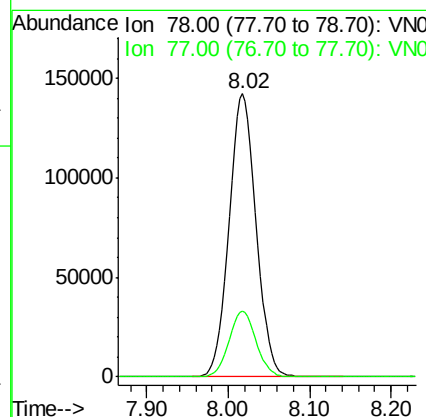
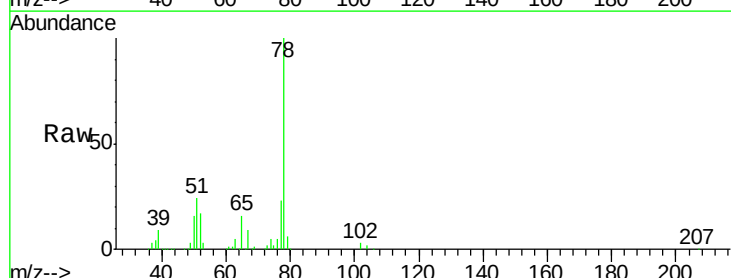
Manual Integrations
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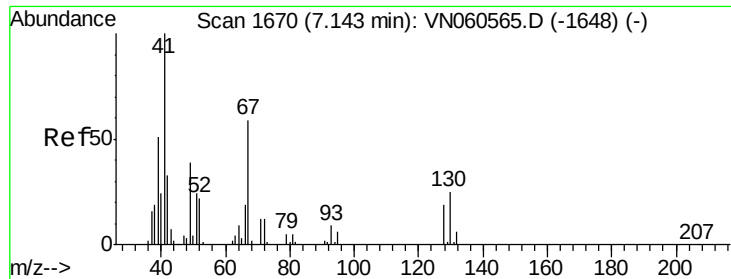
MMDadoda
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#40
Benzene
Concen: 48.635 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	331045		
77	23.3	18.6	28.0	





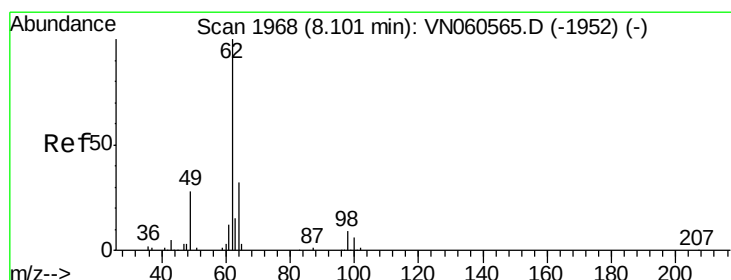
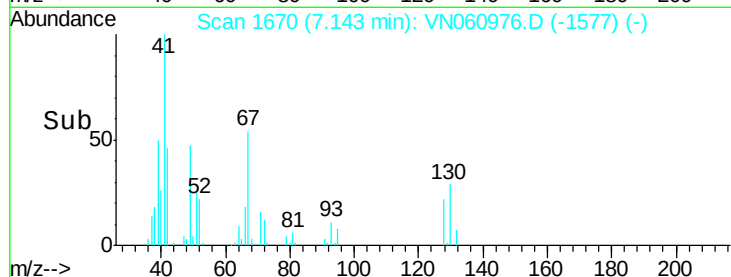
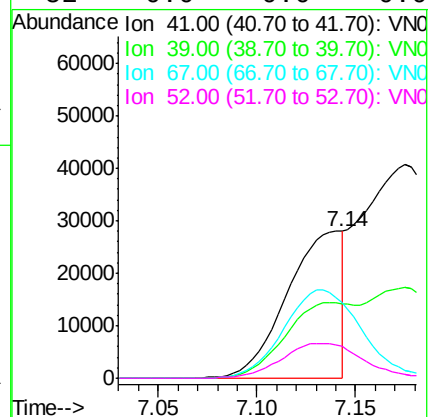
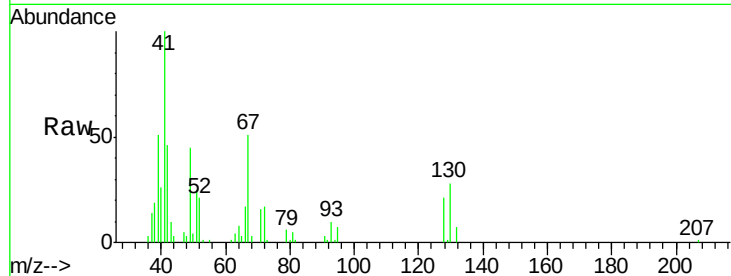
#41
Methacrylonitrile
Concen: 52.292 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	54372
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

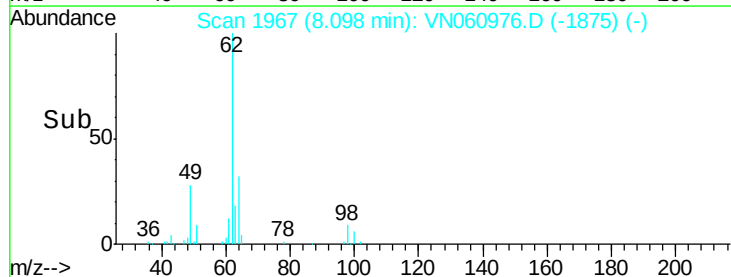
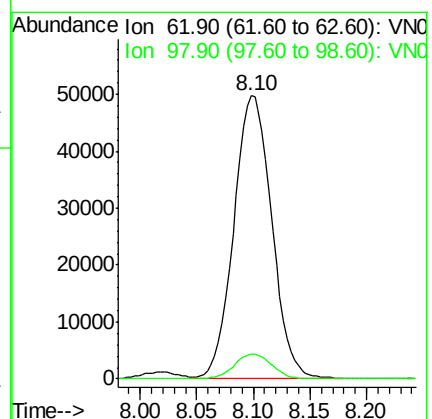
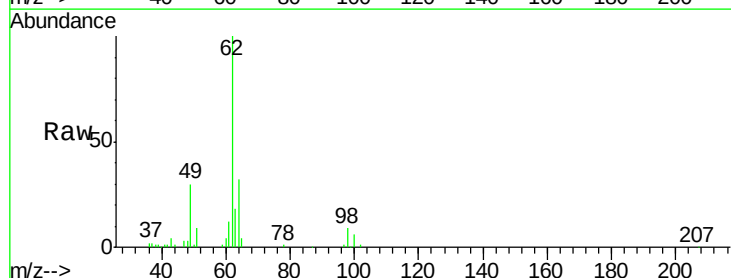
Manual Integrations
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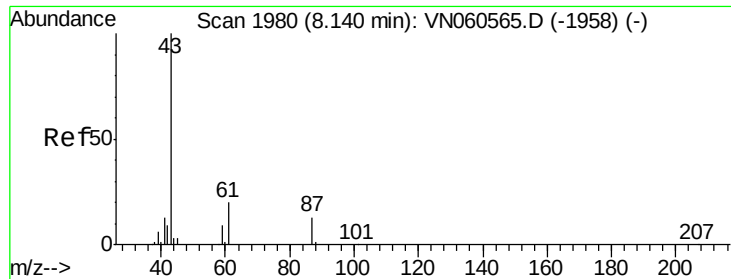
MMDadoda
4/16/2020 11:15:37 AM



#42
1,2-Dichloroethane
Concen: 49.998 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	62	Resp	116305
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	17.8





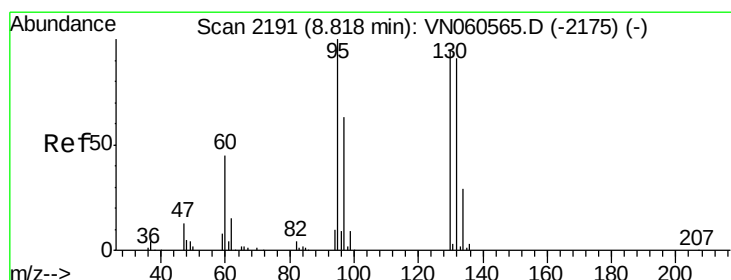
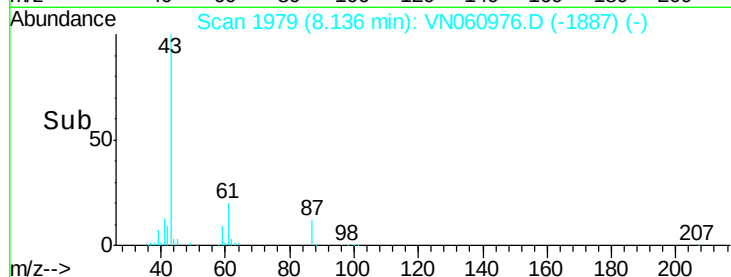
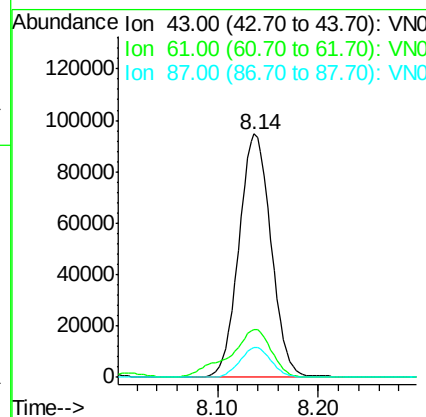
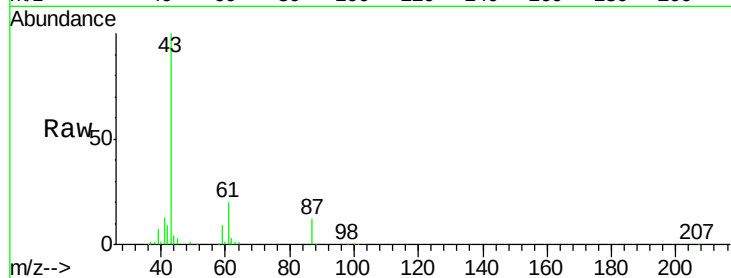
#43
Isopropyl Acetate
Concen: 52.093 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.7	31.1
87	11.9	9.8	14.8

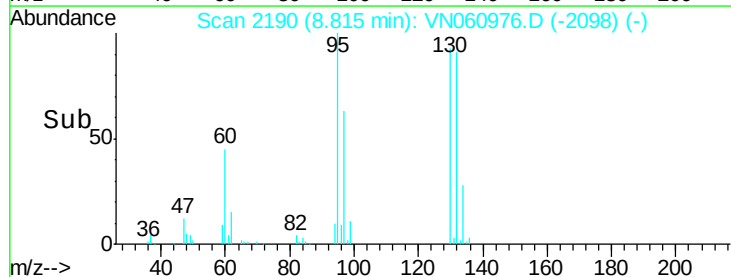
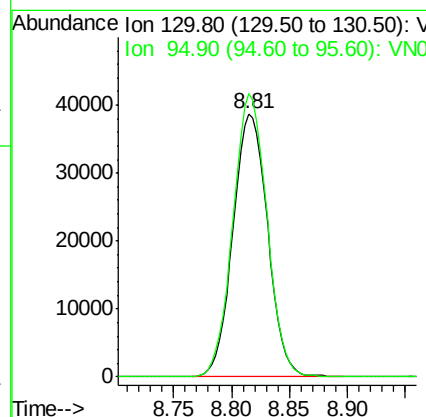
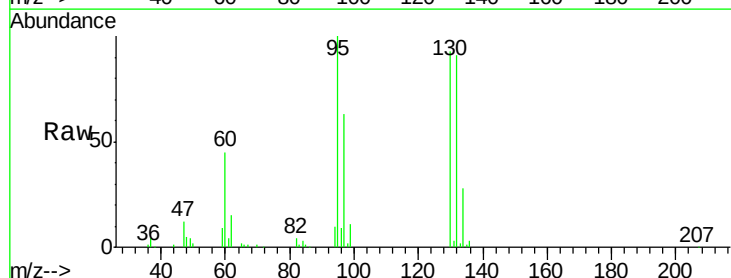
Manual Integrations
APPROVED

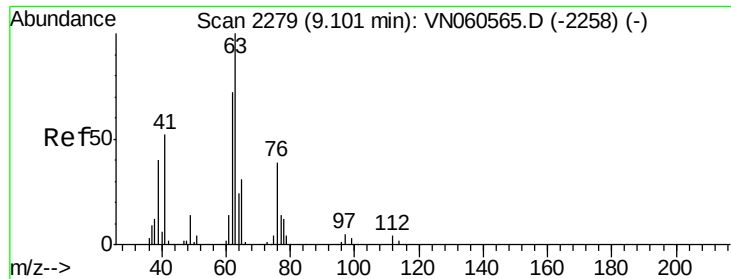
MMDadoda
4/16/2020 11:15:37 AM



#44
Trichloroethene
Concen: 46.950 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.6	0.0	211.2





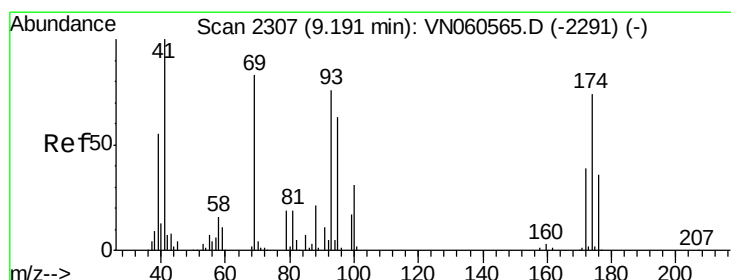
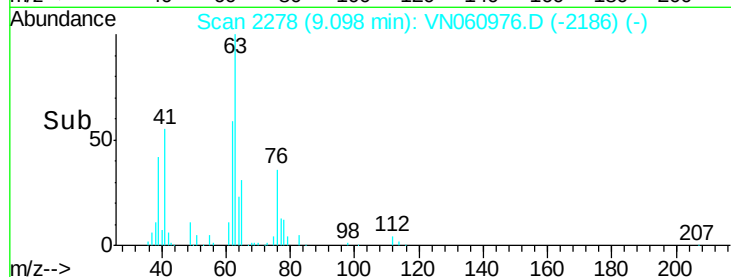
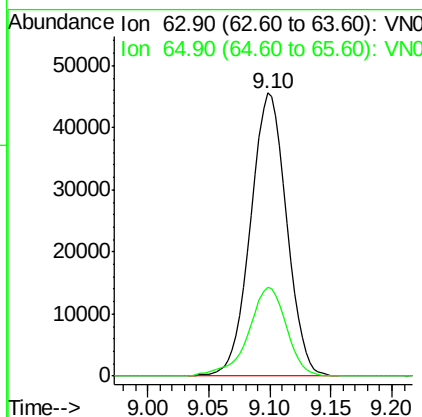
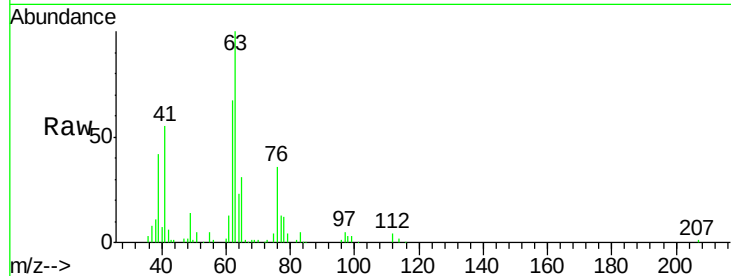
#45
 1,2-Dichloropropane
 Concen: 51.982 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.4	38.0

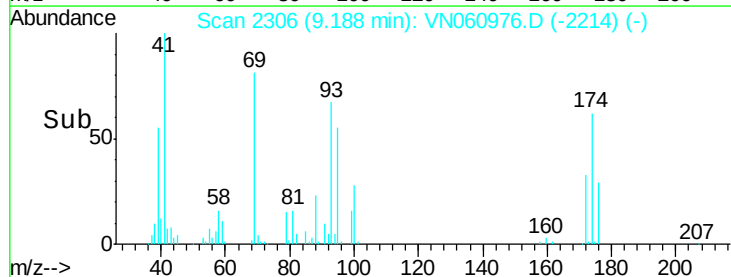
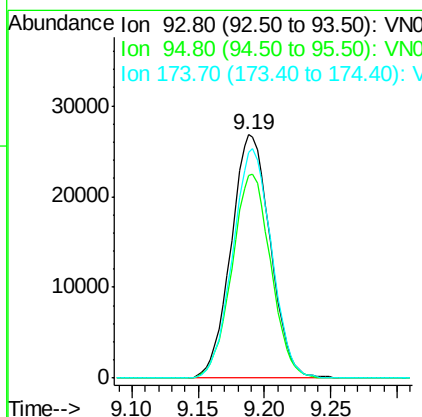
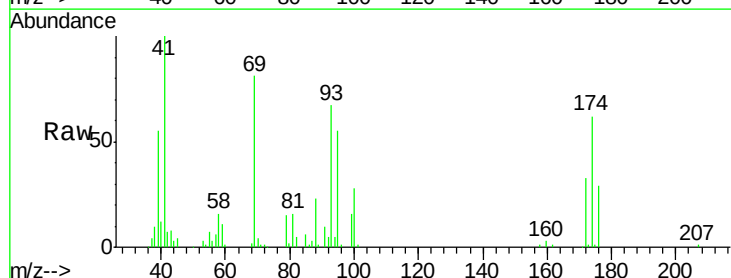
Manual Integrations
 APPROVED

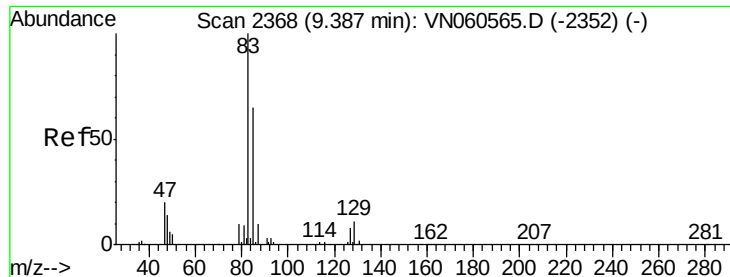
MMDadoda
 4/16/2020 11:15:37 AM



#46
 Dibromomethane
 Concen: 50.812 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.2	99.4
174	93.0	77.9	116.9





#47

Bromodichloromethane

Concen: 51.475 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

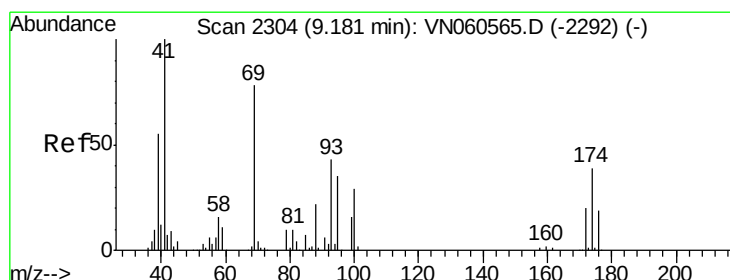
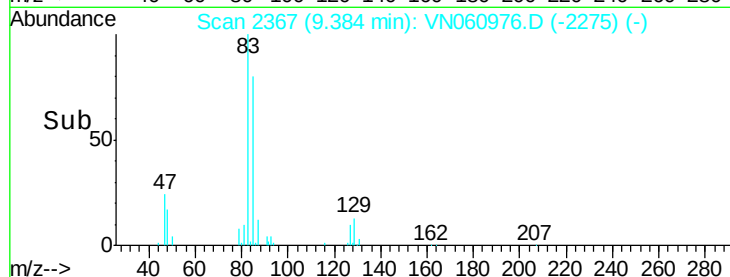
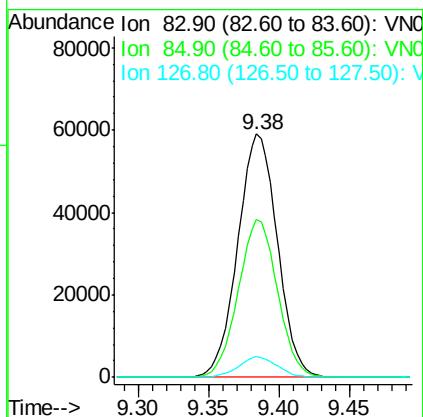
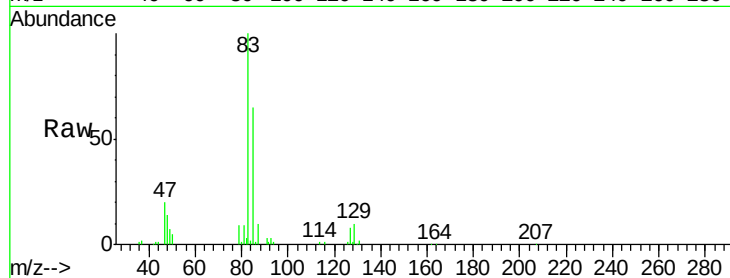
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	116146
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.6
127	8.4	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:37 AM



#48

Methyl methacrylate

Concen: 51.776 ug/l

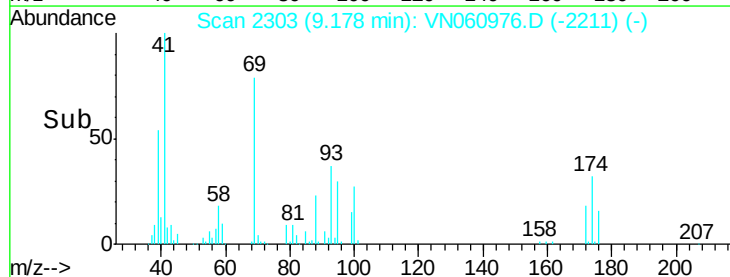
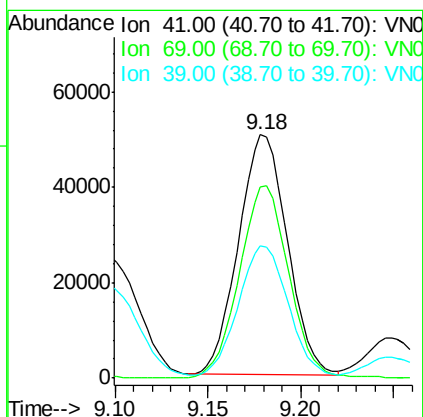
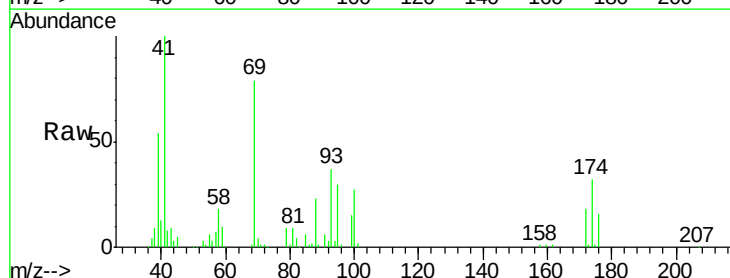
RT: 9.18 min Scan# 2303

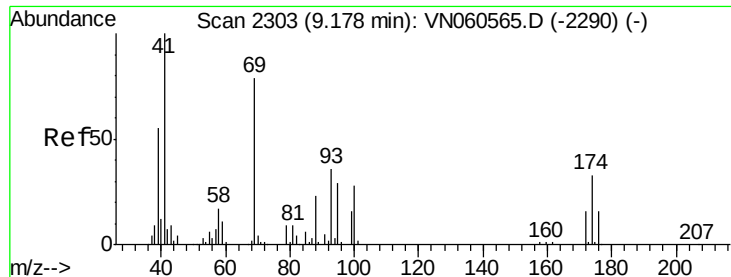
Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Tgt Ion:	41	Resp:	92624
Ion	Ratio	Lower	Upper
41	100		
69	81.1	65.4	98.0
39	56.8	44.0	66.0





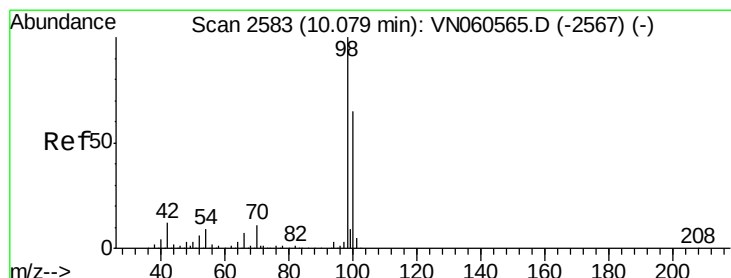
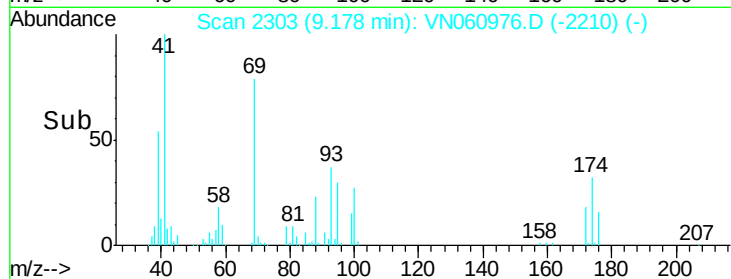
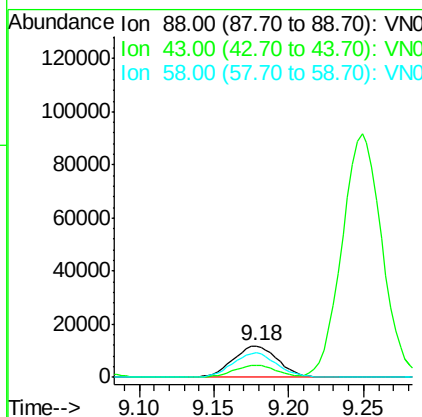
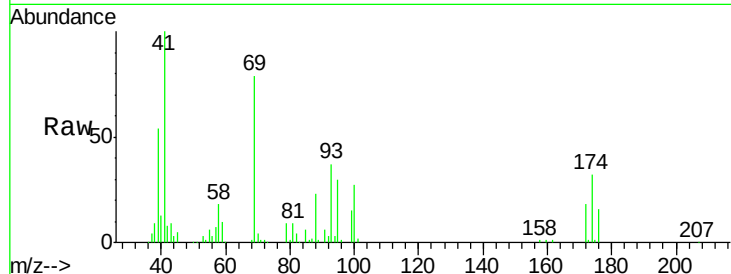
#49
1,4-Dioxane
Concen: 1158.593 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	24636
Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.8	46.2
58	76.2	59.8	89.8

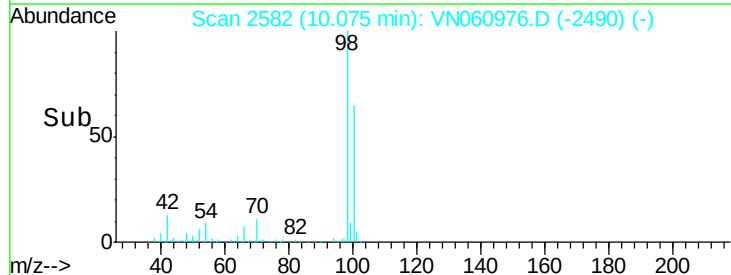
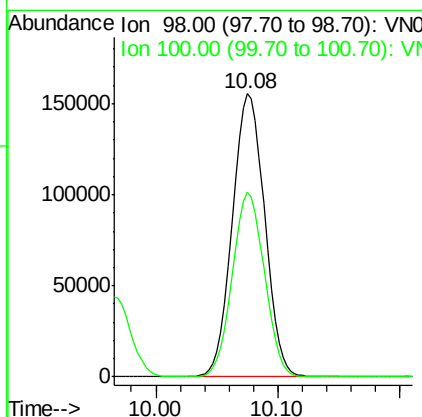
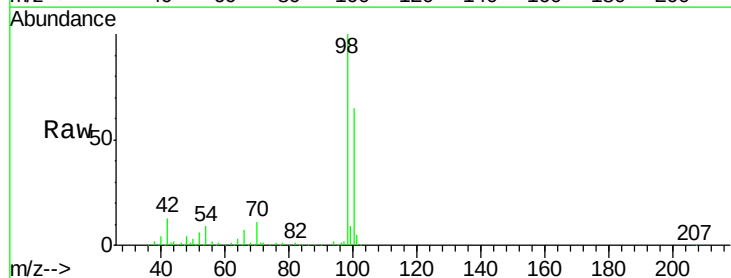
Manual Integrations
APPROVED

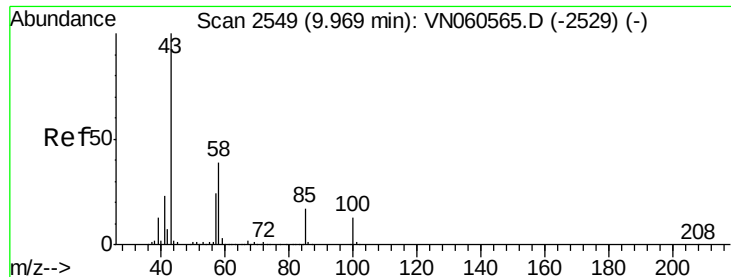
MMDadoda
4/16/2020 11:15:37 AM



#50
Toluene-d8
Concen: 49.739 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	98	Resp	286062
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 271.786 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 621423

Ion Ratio Lower Upper

43 100

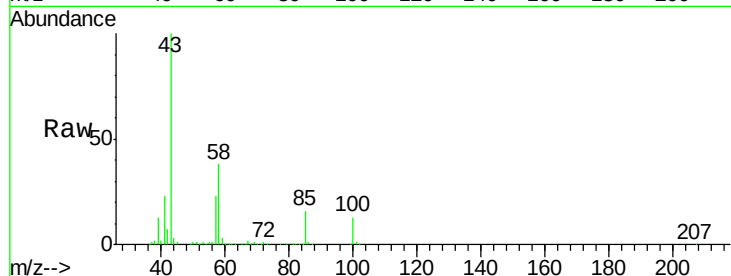
58 37.9 30.8 46.2

Manual Integrations

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MMDadoda

4/16/2020 11:15:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060976.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060976.D (-2456) (-)

9.97

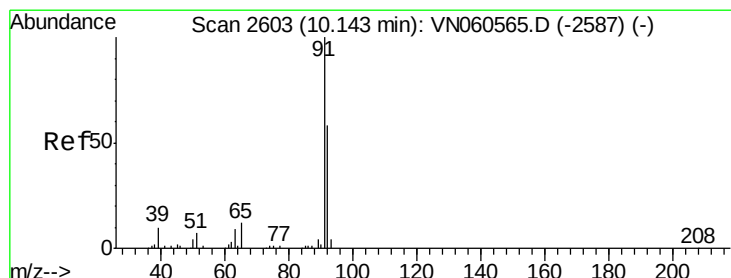
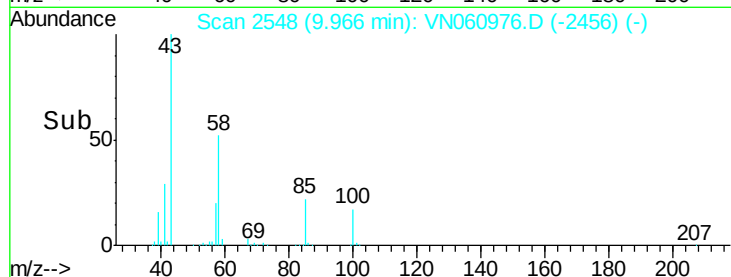
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.713 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060976.D

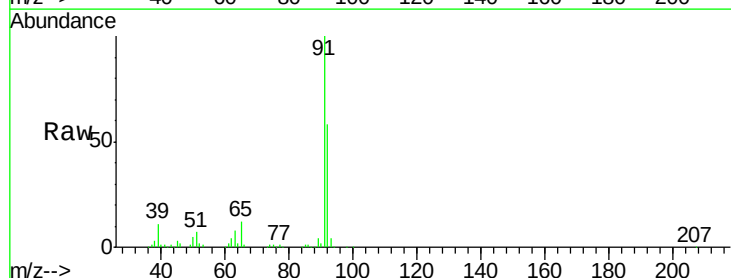
Acq: 15 Apr 2020 20:46

Tgt Ion: 92 Resp: 200250

Ion Ratio Lower Upper

92 100

91 172.7 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060976.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060976.D (-2510) (-)

10.14

200000

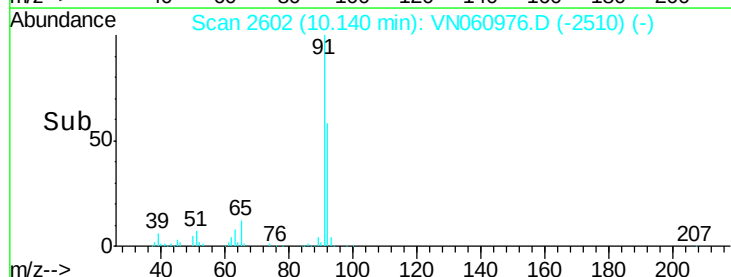
150000

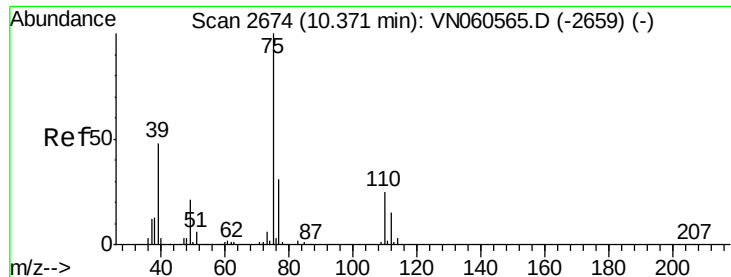
100000

50000

0

Time-->





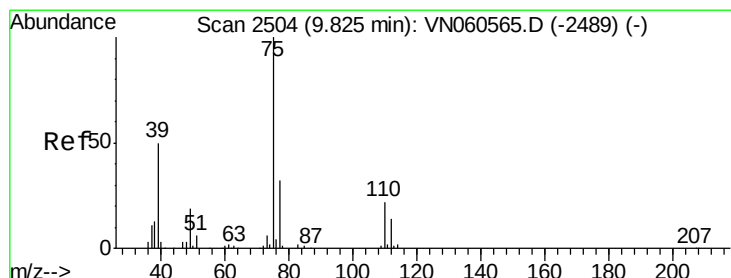
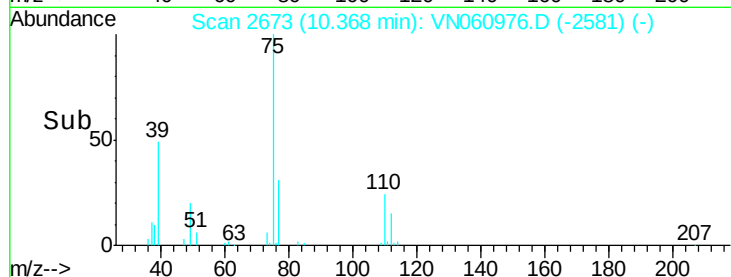
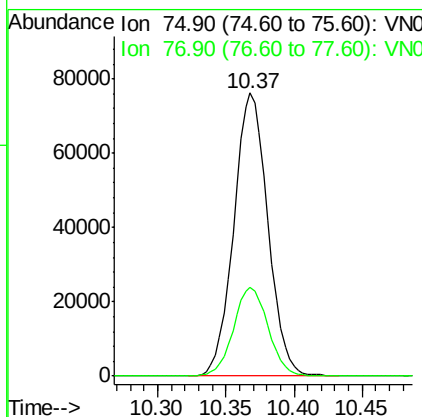
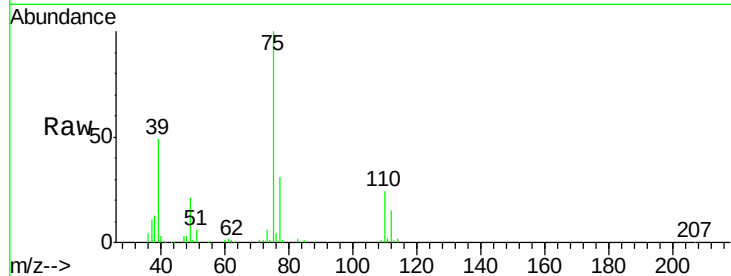
#53
t-1,3-Dichloropropene
Concen: 50.871 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 131850
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7

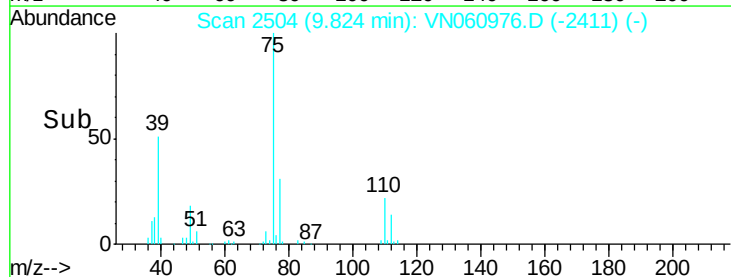
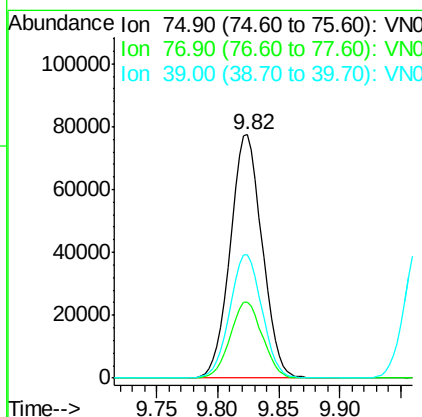
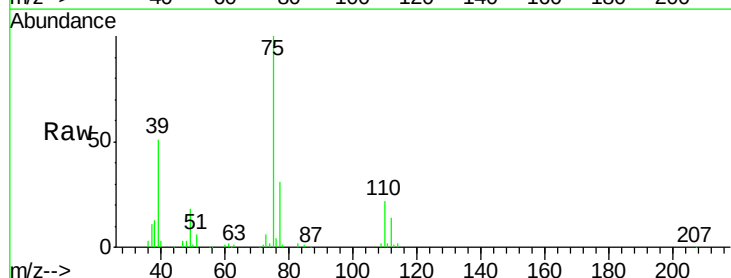
Manual Integrations
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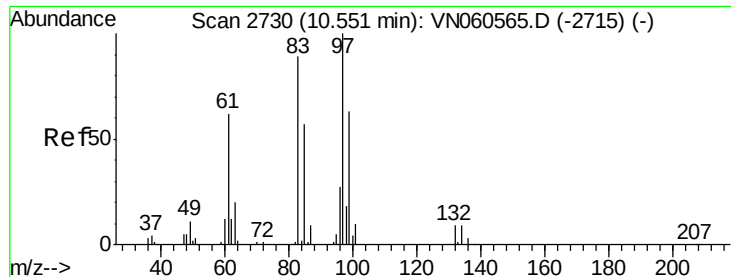
MMDadoda
4/16/2020 11:15:37 AM



#54
cis-1,3-Dichloropropene
Concen: 49.648 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion: 75 Resp: 141168
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 50.8 40.2 60.4





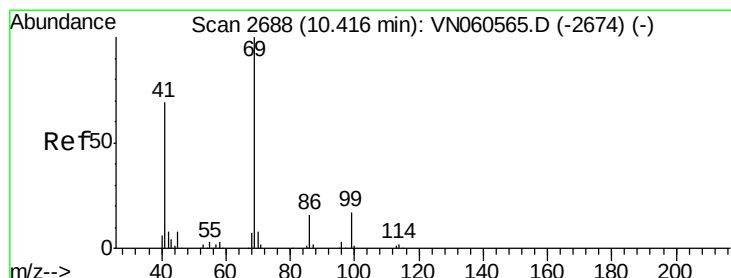
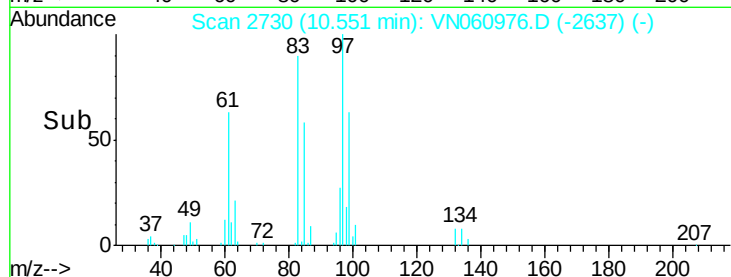
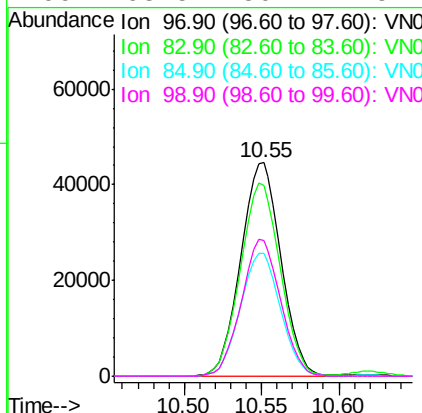
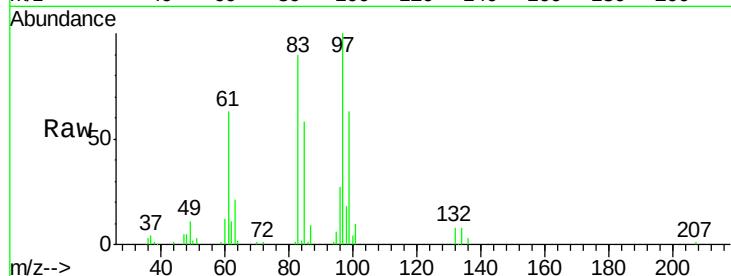
#55
 1,1,2-Trichloroethane
 Concen: 51.047 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	80730
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.3	106.9
85	57.7	45.2	67.8
99	63.5	50.1	75.1

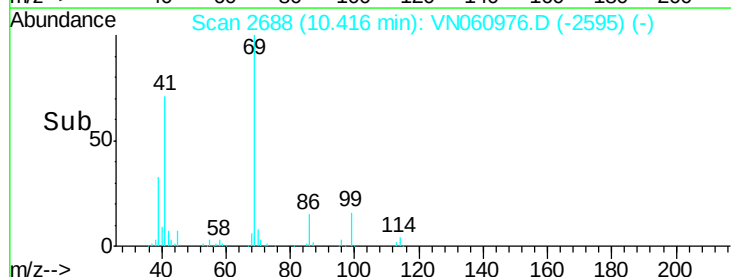
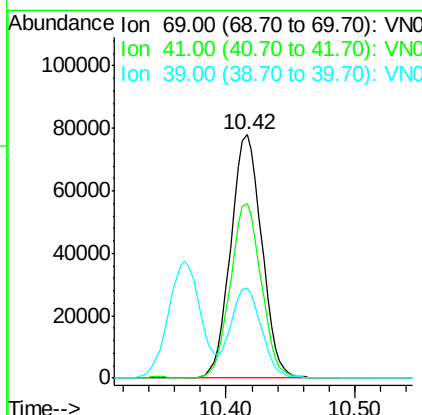
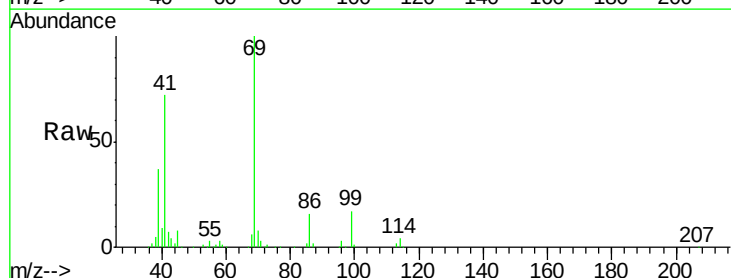
Manual Integrations
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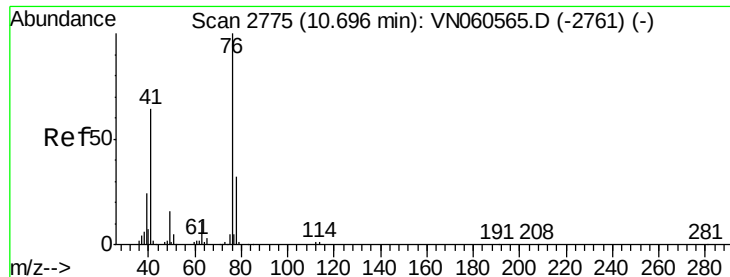
MMDadoda
 4/16/2020 11:15:37 AM



#56
 Ethyl methacrylate
 Concen: 52.908 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Tgt Ion:	69	Resp:	130466
Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.4	83.2
39	36.4	29.4	44.0





#57

1,3-Dichloropropane

Concen: 50.701 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 139142

Ion Ratio Lower Upper

76 100

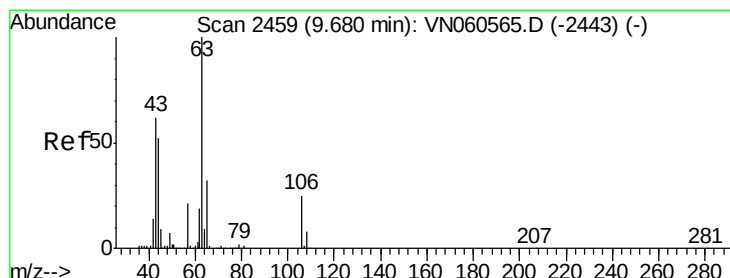
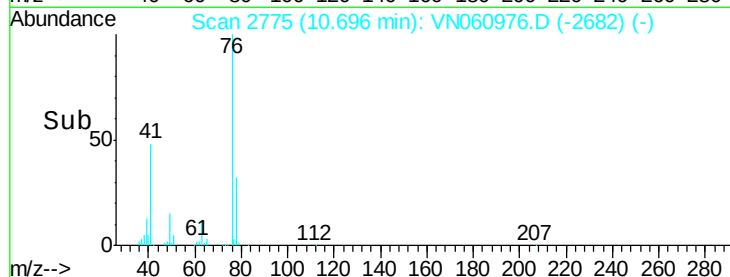
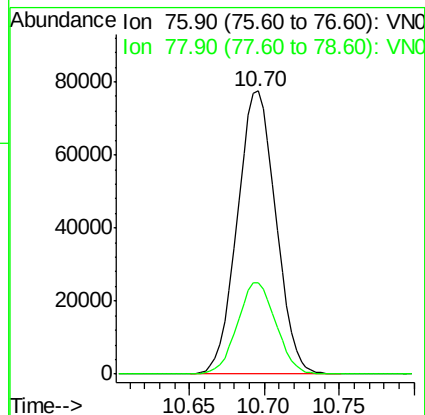
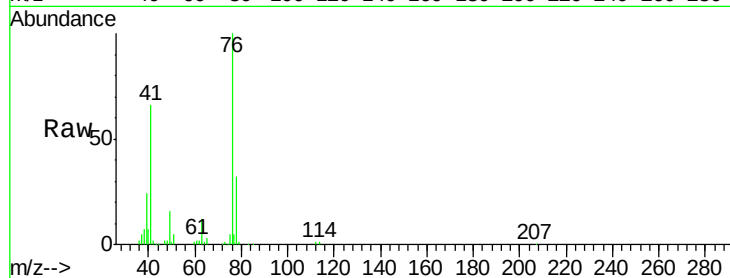
78 32.3 25.8 38.6

Manual Integrations

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MMDadoda

4/16/2020 11:15:37 AM



#58

2-Chloroethyl Vinyl ether

Concen: 244.438 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060976.D

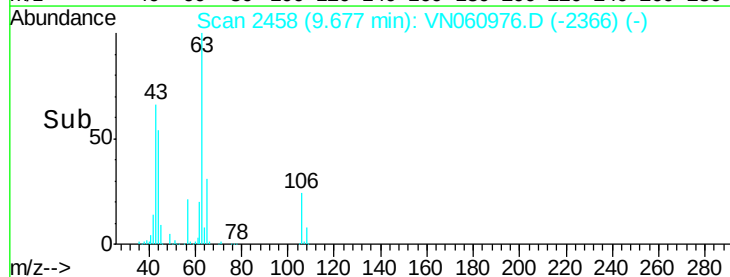
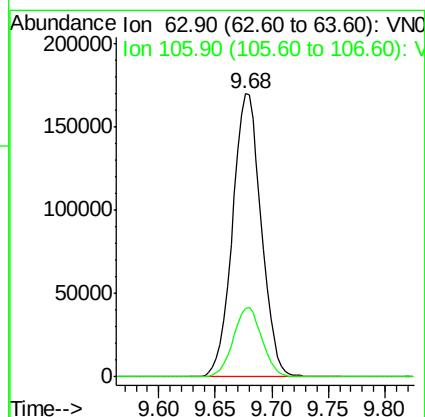
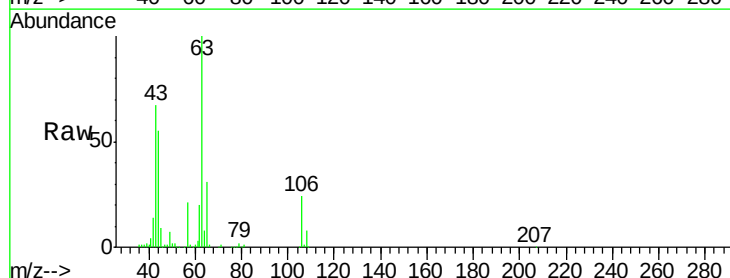
Acq: 15 Apr 2020 20:46

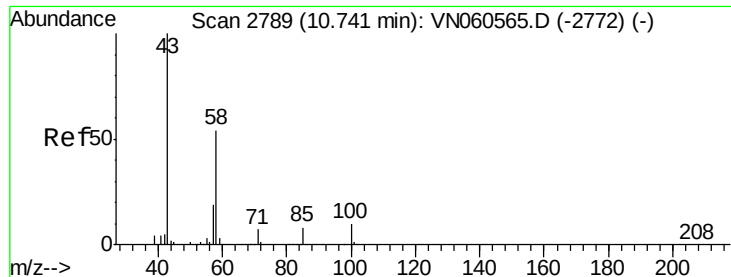
Tgt Ion: 63 Resp: 299578

Ion Ratio Lower Upper

63 100

106 24.5 20.0 30.0





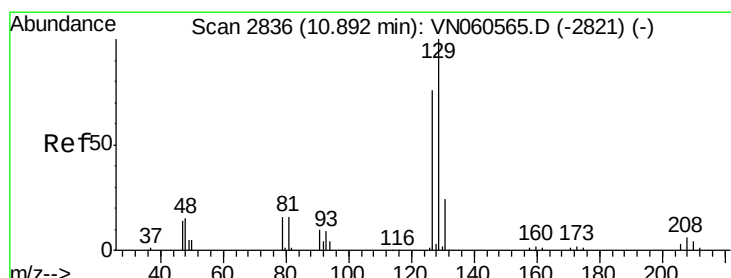
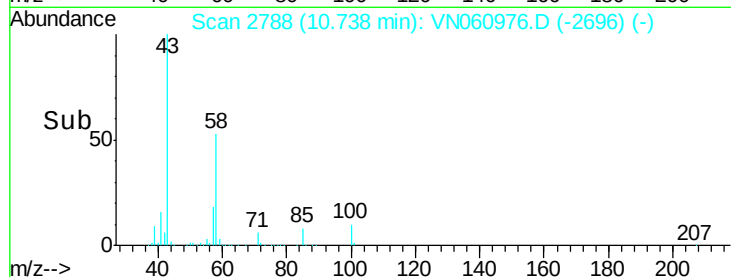
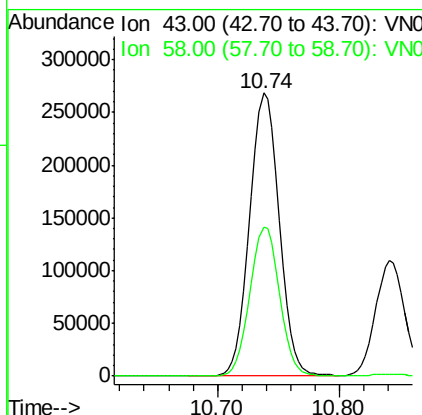
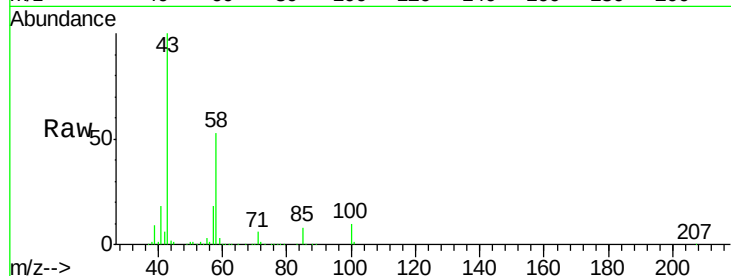
#59
2-Hexanone
Concen: 272.005 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 448004
Ion Ratio Lower Upper
43 100
58 52.8 26.7 80.1

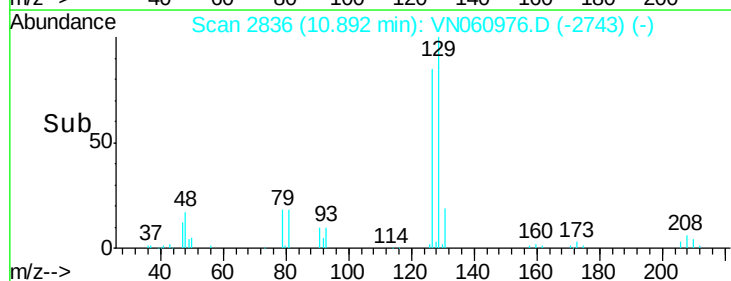
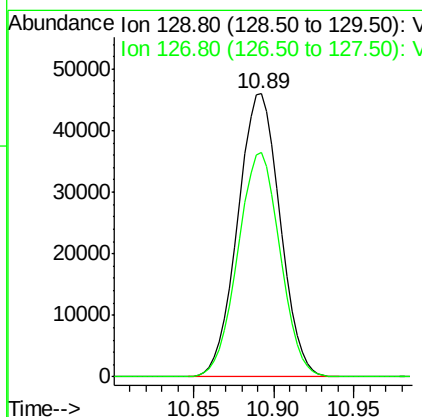
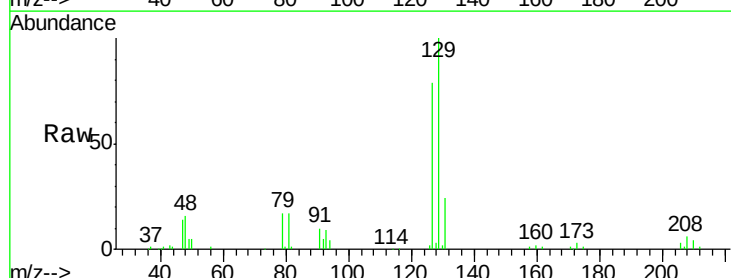
Manual Integrations
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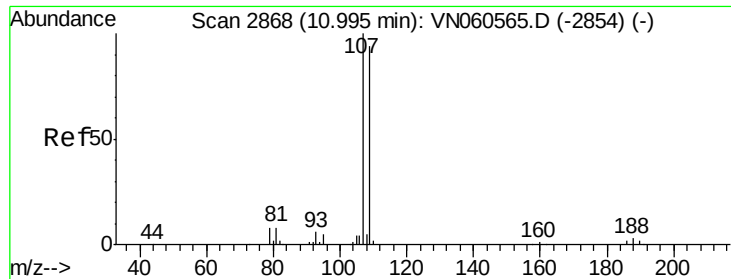
MMDadoda
4/16/2020 11:15:37 AM



#60
Dibromochloromethane
Concen: 51.048 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion: 129 Resp: 83392
Ion Ratio Lower Upper
129 100
127 78.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.507 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 80320

Ion Ratio Lower Upper

107 100

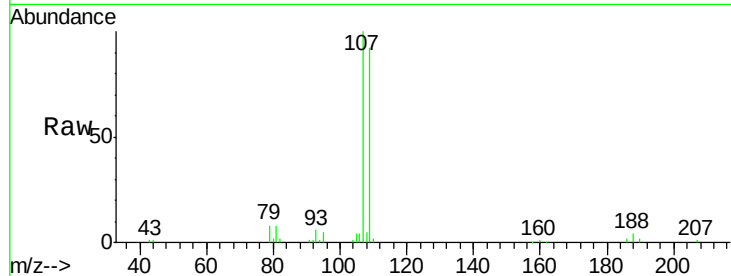
109 93.2 75.4 113.2

Manual Integrations

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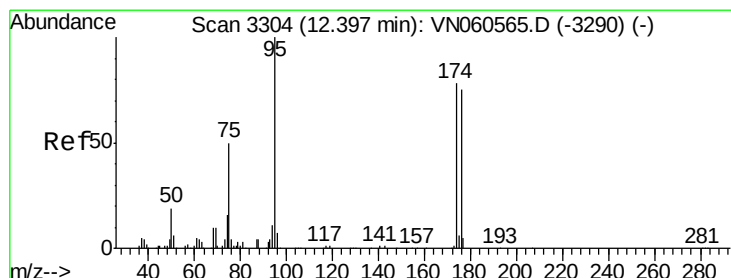
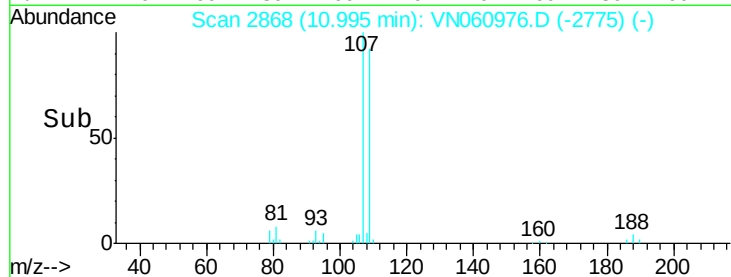
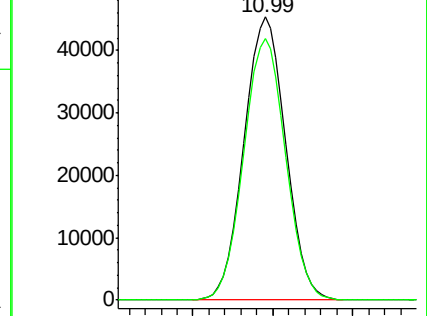
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.005 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

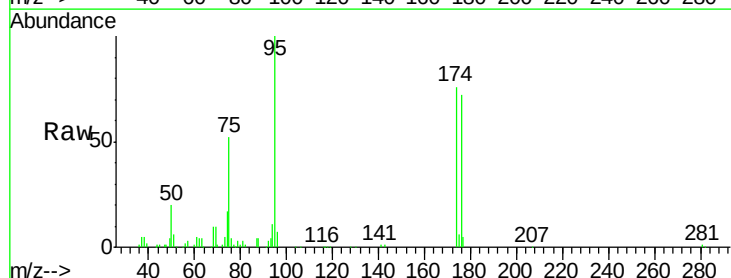
Tgt Ion: 95 Resp: 107506

Ion Ratio Lower Upper

95 100

174 76.3 0.0 157.6

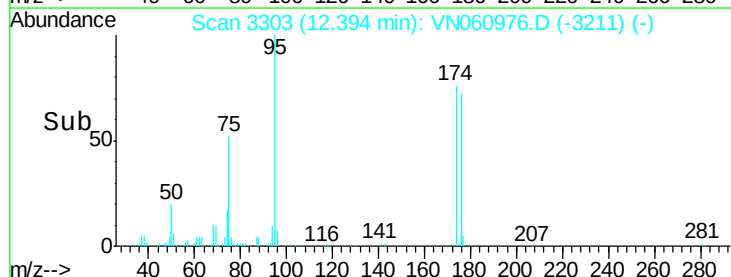
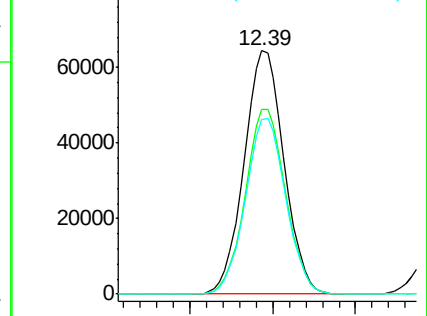
176 72.9 0.0 150.6

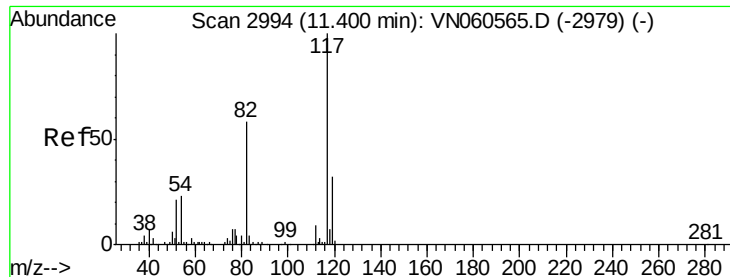


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





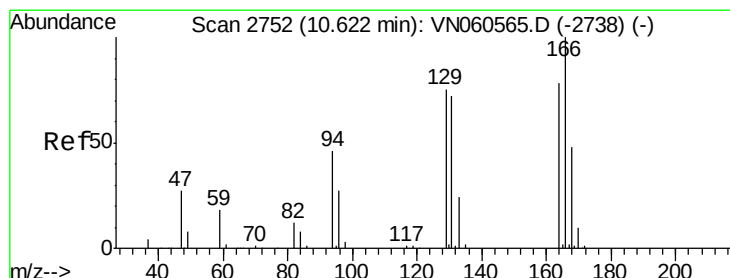
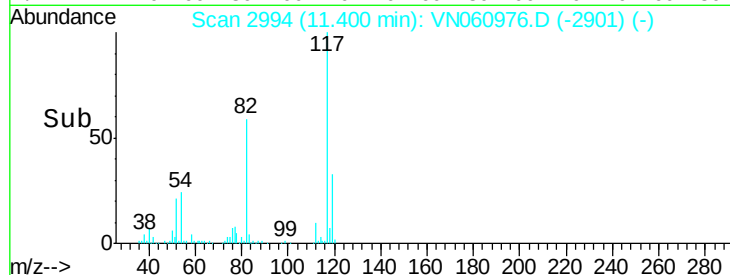
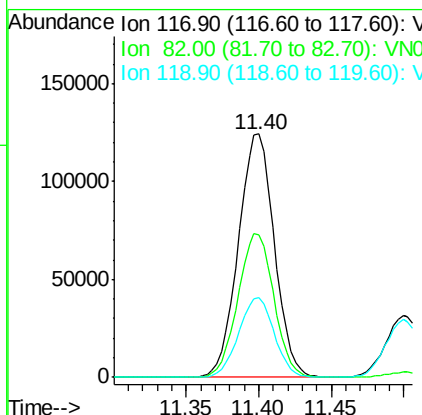
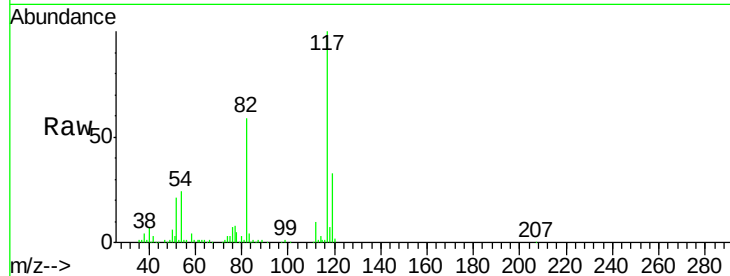
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.7	70.1
119	32.5	25.5	38.3

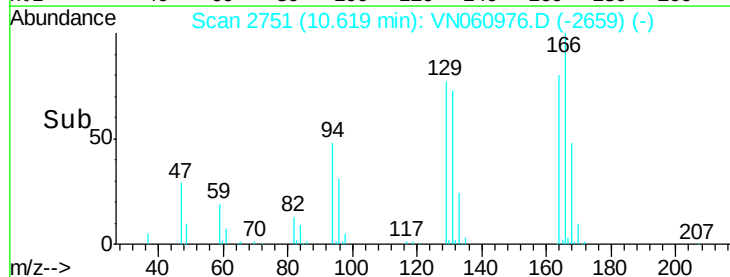
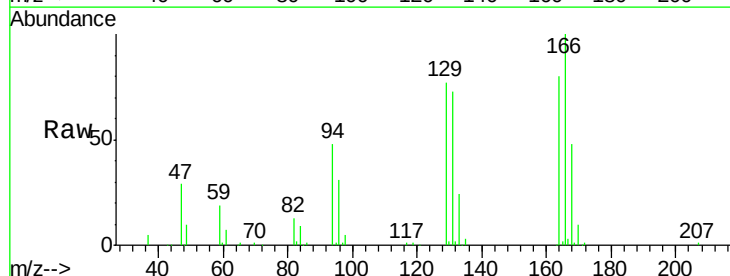
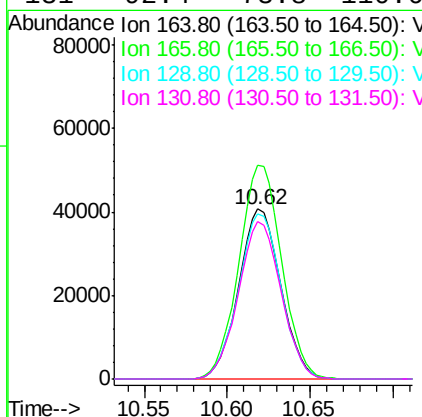
Manual Integrations
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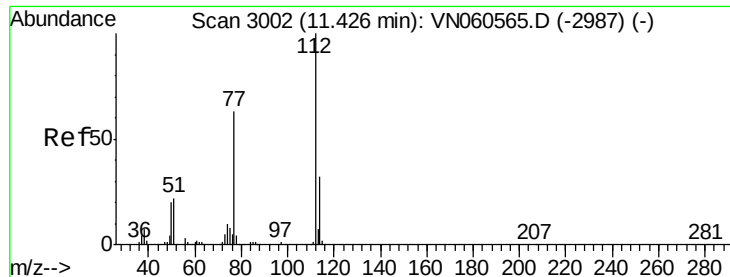
MMDadoda
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#64
Tetrachloroethene
Concen: 42.646 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.7	154.1
129	97.1	77.2	115.8
131	92.4	73.8	110.6





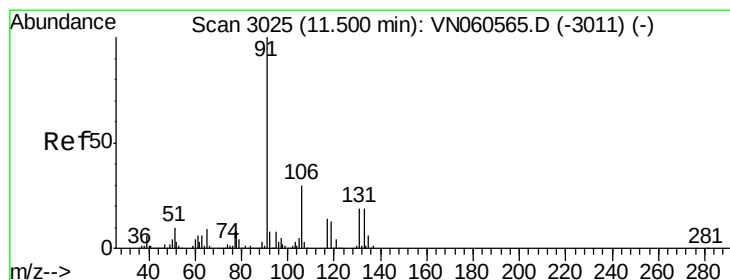
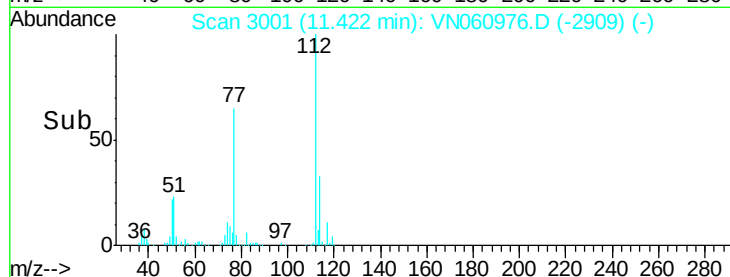
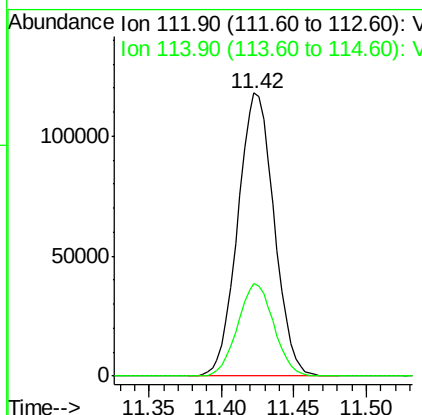
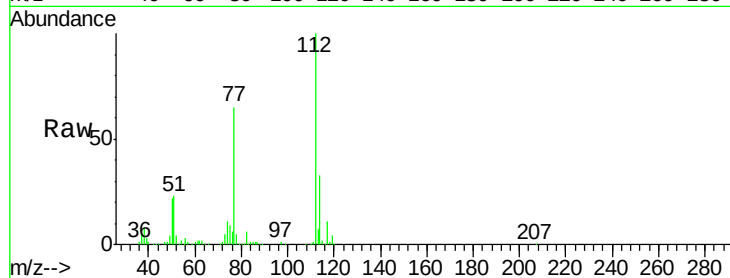
#65
Chlorobenzene
Concen: 48.345 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6

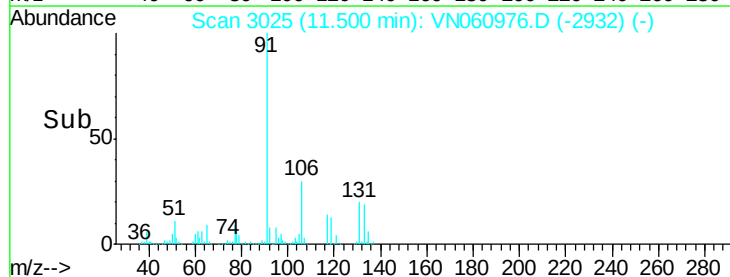
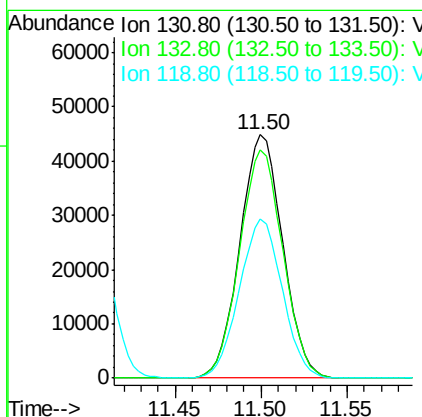
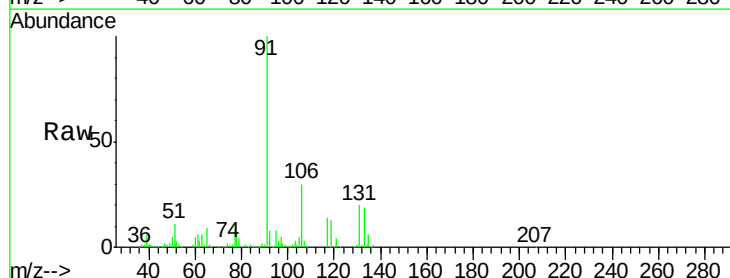
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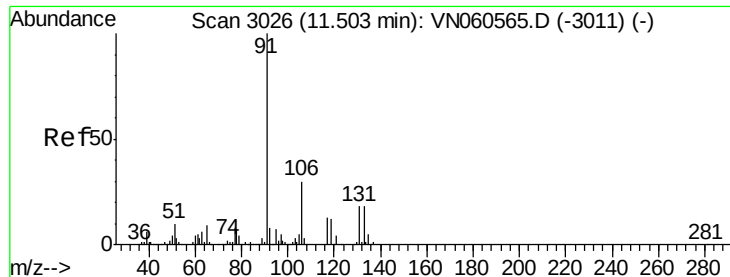
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.452 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.9	146.8
119	65.5	33.9	101.7





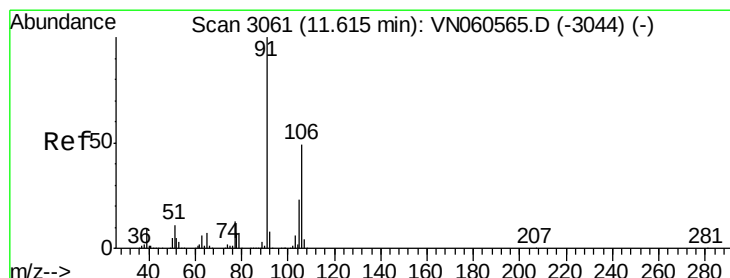
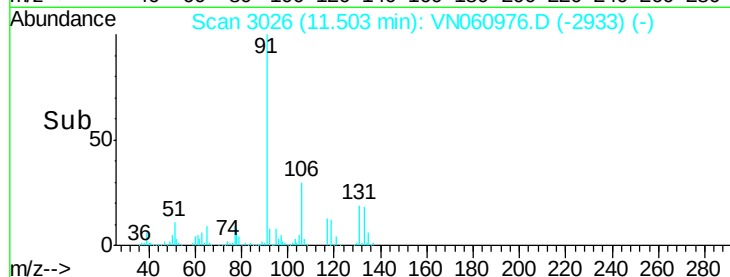
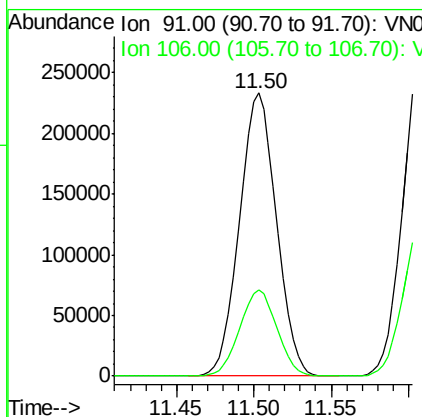
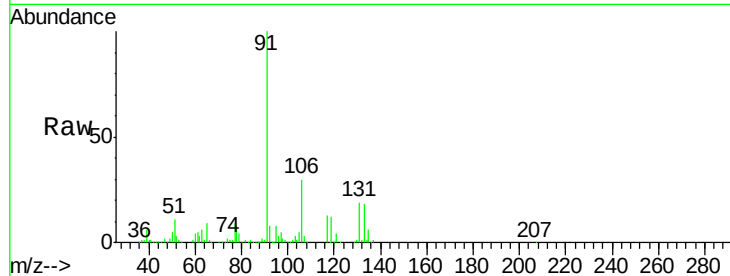
#67
Ethyl Benzene
Concen: 49.085 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 387491
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.2

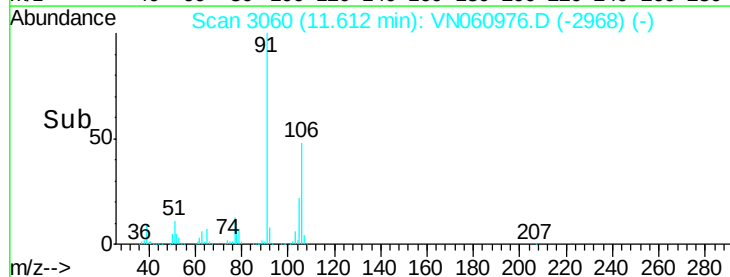
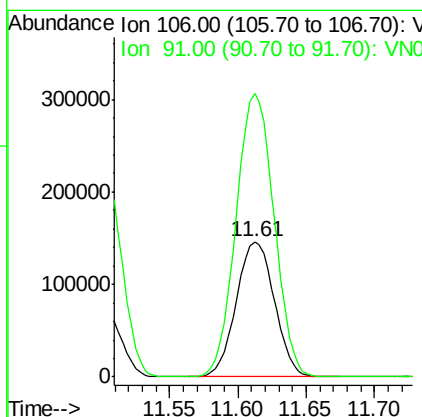
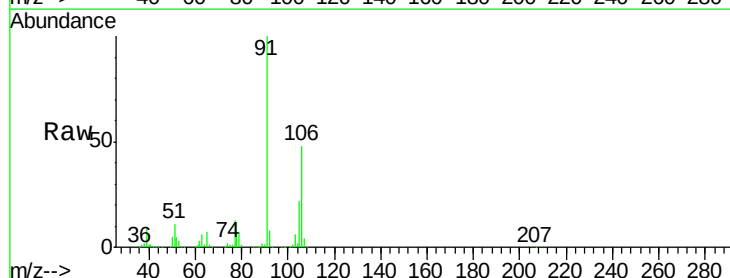
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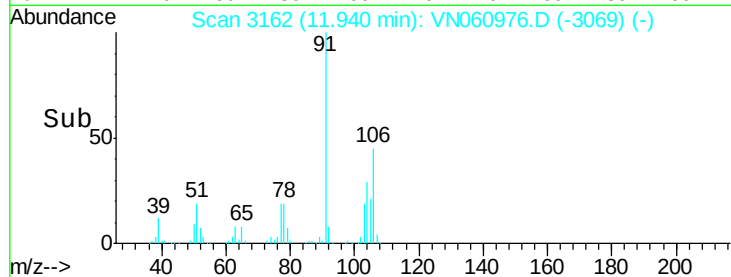
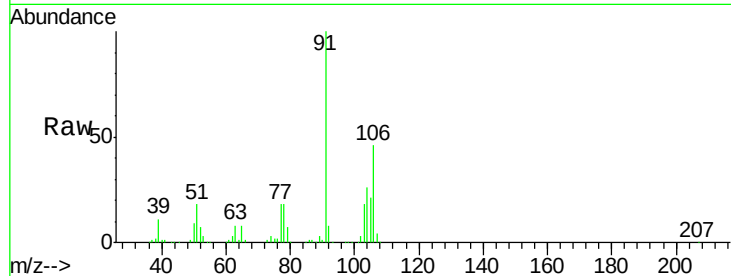
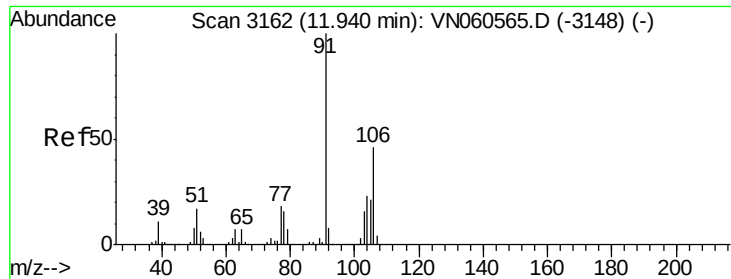
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#68
m/p-Xylenes
Concen: 96.764 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion: 106 Resp: 283859
Ion Ratio Lower Upper
106 100
91 208.8 165.0 247.4





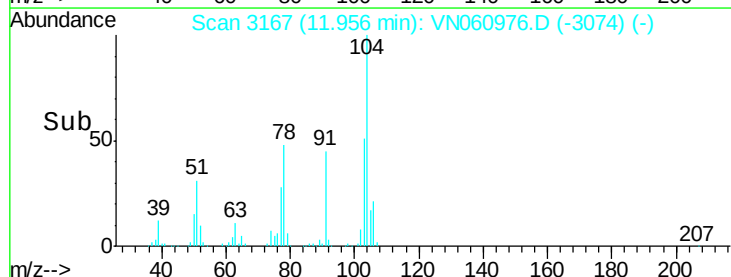
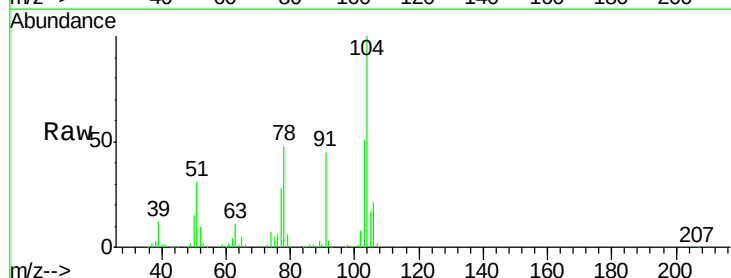
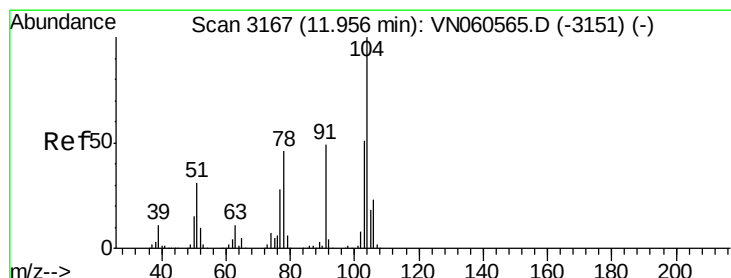
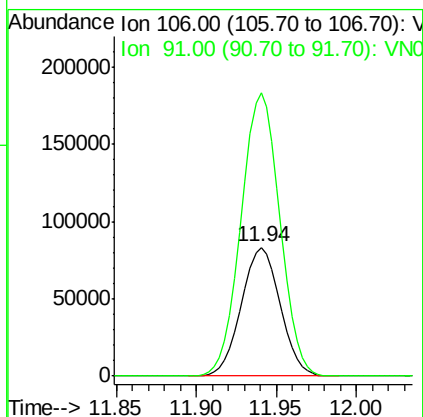
#69
o-Xylene
Concen: 49.014 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tot Ion:106 Resp: 137259
Ion Ratio Lower Upper
106 100
91 220.2 109.5 328.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

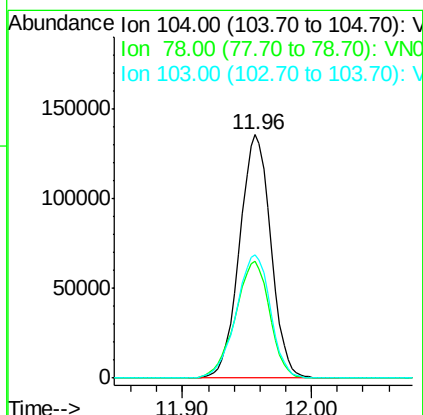
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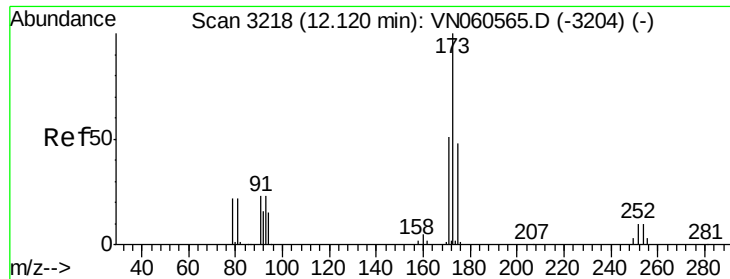
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#70
Styrene
Concen: 50.069 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion:104 Resp: 229320
Ion Ratio Lower Upper
104 100
78 52.8 41.2 61.8
103 55.5 44.0 66.0





#71

Bromoform

Concen: 47.461 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 60515

Ion Ratio Lower Upper

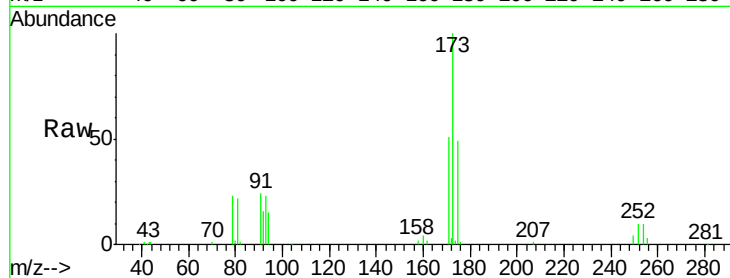
173 100

175 48.8 24.1 72.4

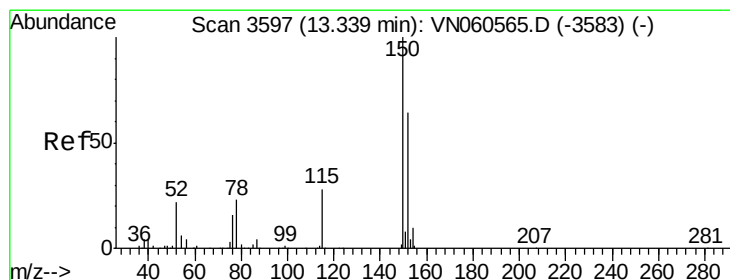
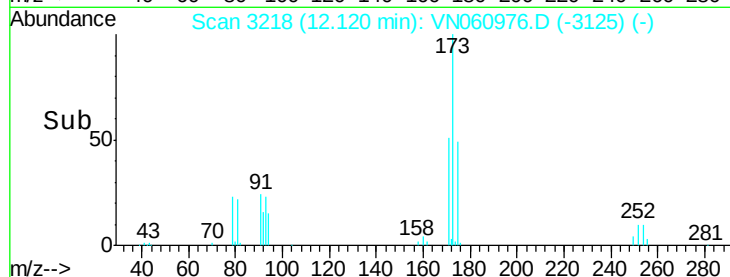
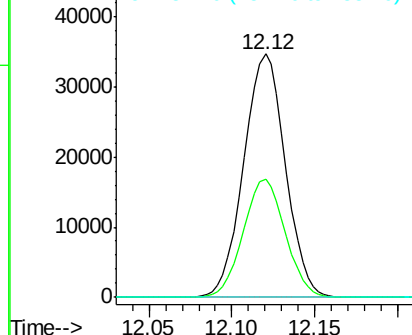
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

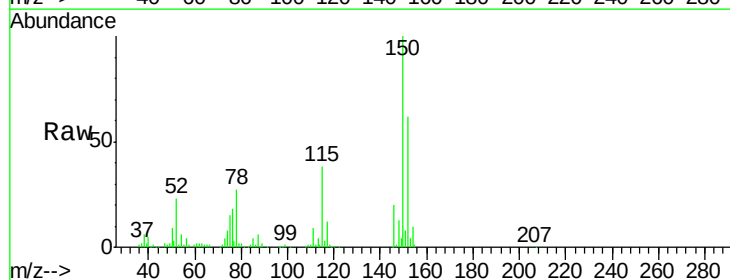
Tgt Ion:152 Resp: 104203

Ion Ratio Lower Upper

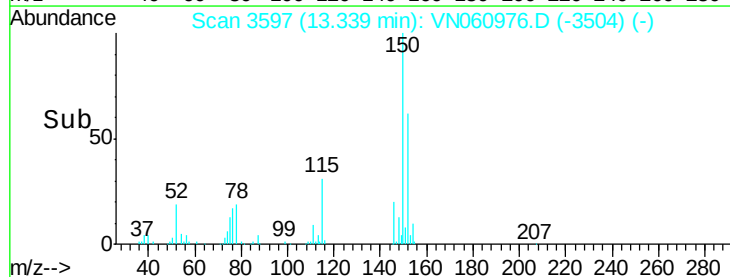
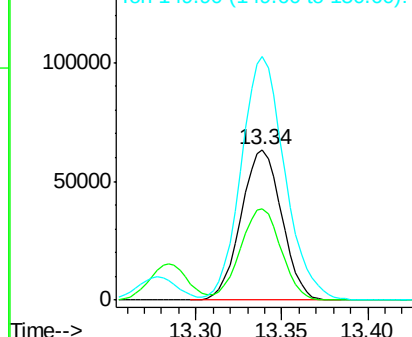
152 100

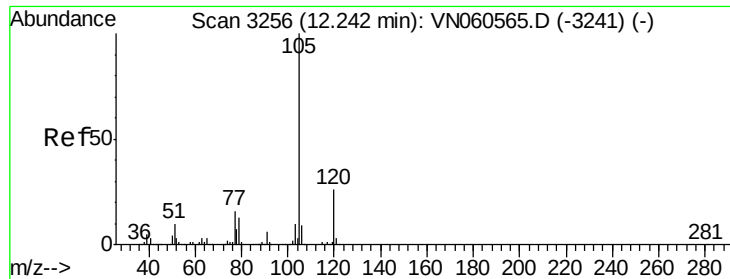
115 61.2 30.2 90.6

150 173.8 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: 47.264 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 369606

Ion Ratio Lower Upper

105 100

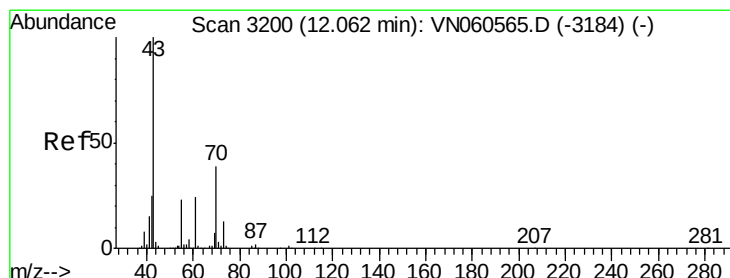
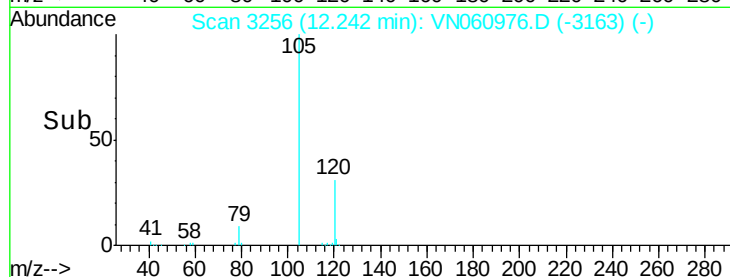
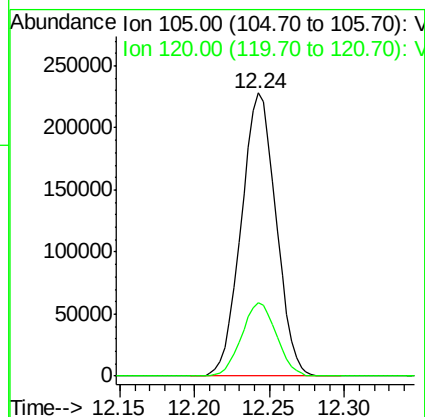
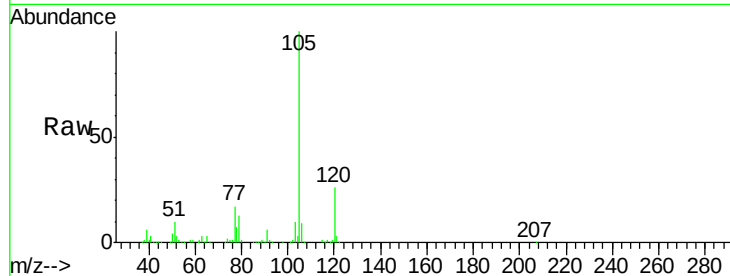
120 26.0 13.1 39.1

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#74

N-ethyl acetate

Concen: 49.699 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Tgt Ion: 43 Resp: 179589

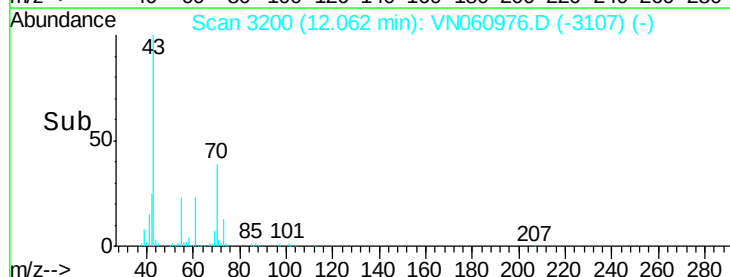
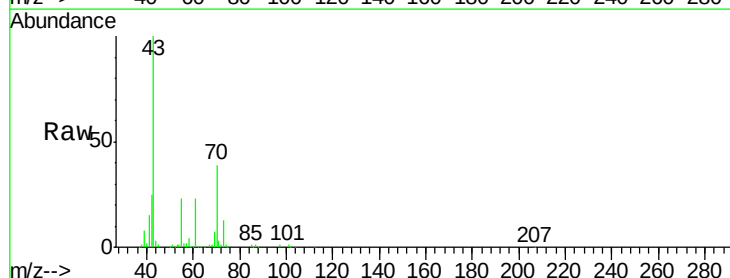
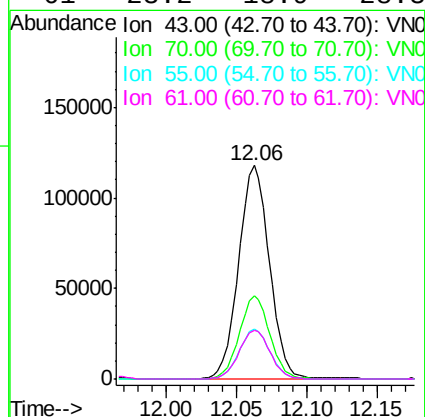
Ion Ratio Lower Upper

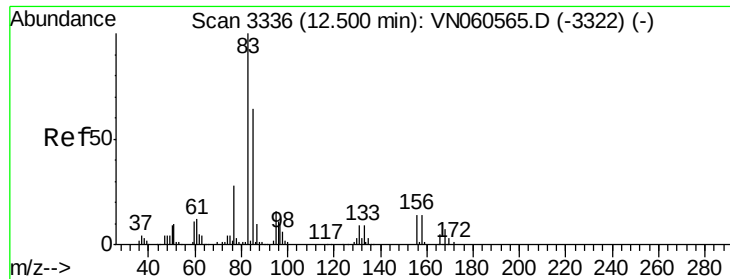
43 100

70 38.7 31.1 46.7

55 23.4 18.6 27.8

61 23.2 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.922 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 120423

Ion Ratio Lower Upper

83 100

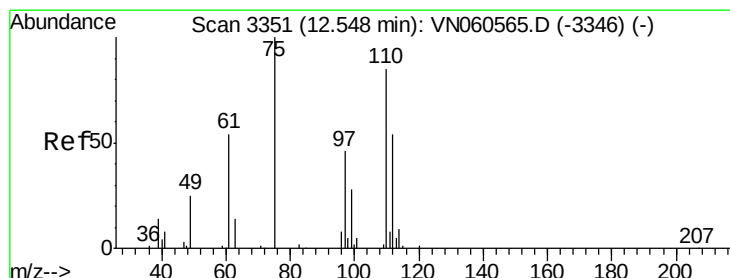
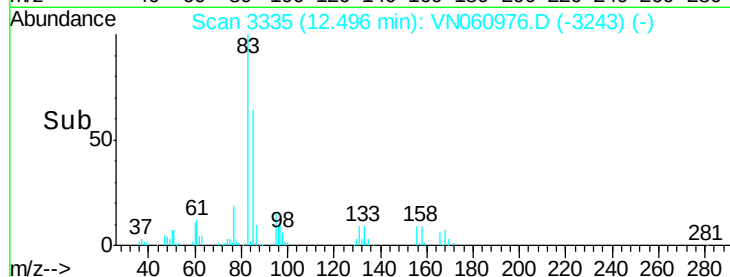
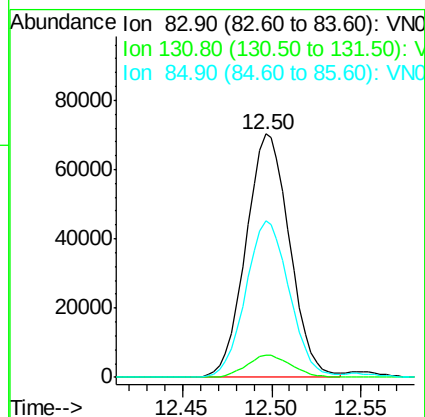
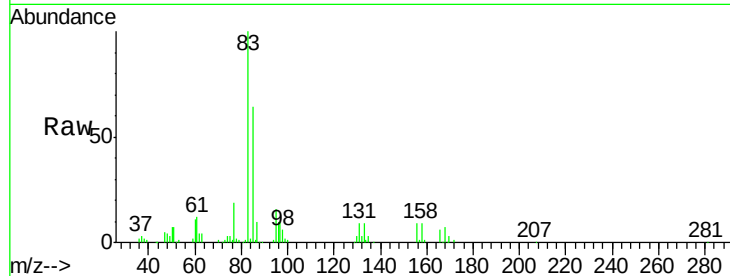
131 9.3 4.9 14.7

85 64.2 32.5 97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.697 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060976.D

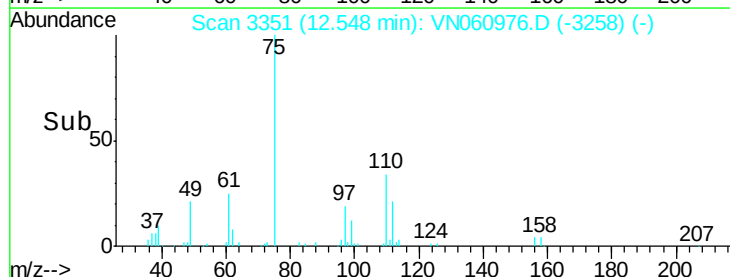
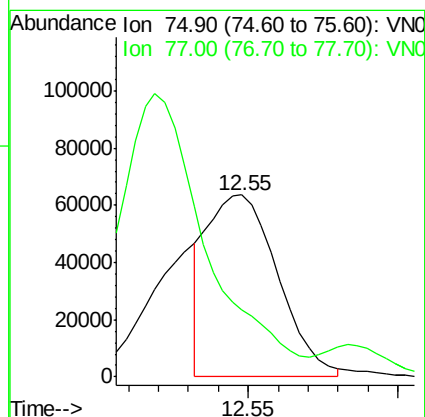
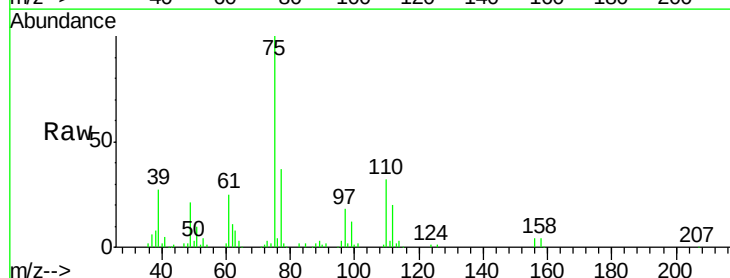
Acq: 15 Apr 2020 20:46

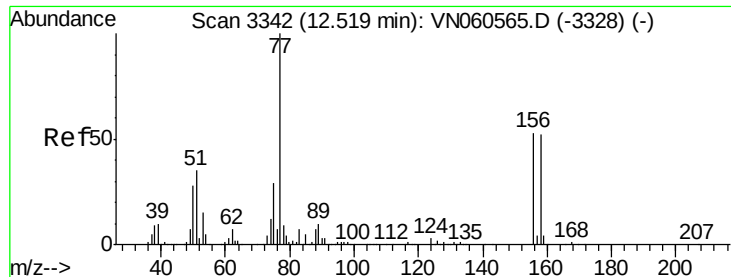
Tgt Ion: 75 Resp: 104998

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.093 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 88739

Ion Ratio Lower Upper

156 100

77 227.9 112.3 337.0

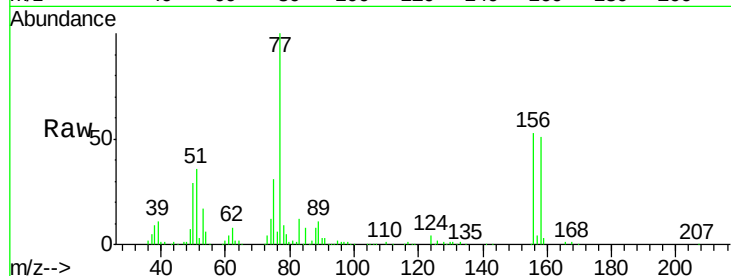
158 96.7 48.6 145.8

Manual Integrations

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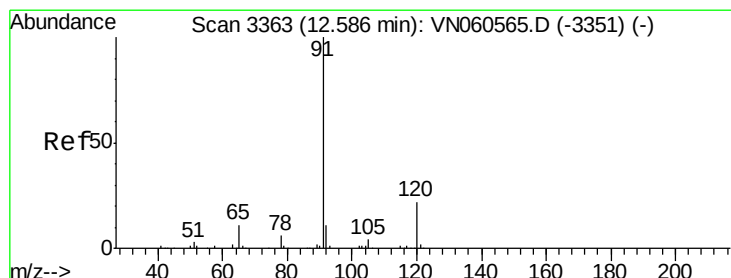
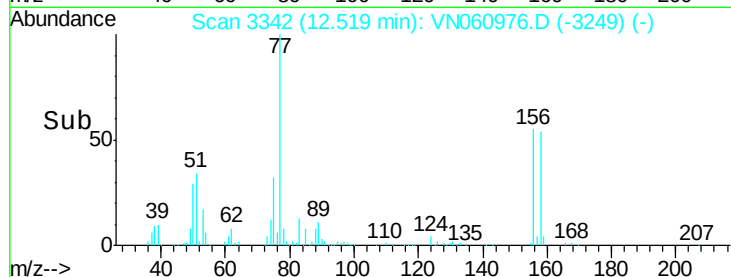
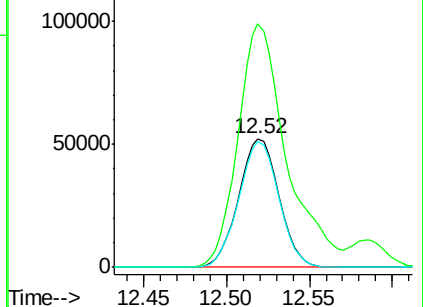
4/16/2020 11:15:37 AM



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: 47.602 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060976.D

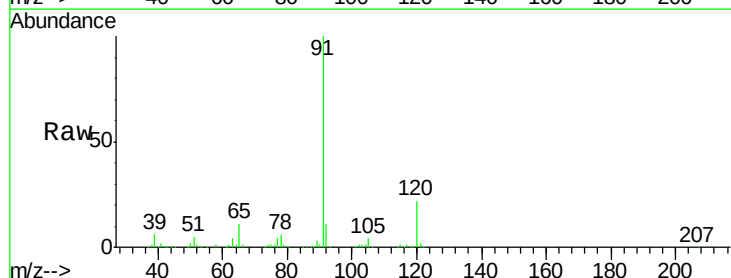
Acq: 15 Apr 2020 20:46

Tgt Ion: 91 Resp: 439791

Ion Ratio Lower Upper

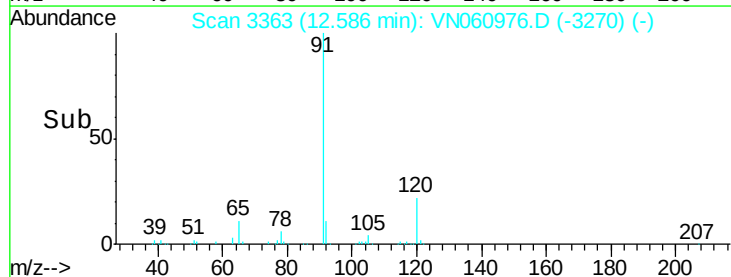
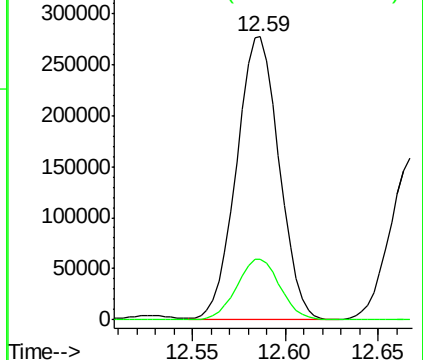
91 100

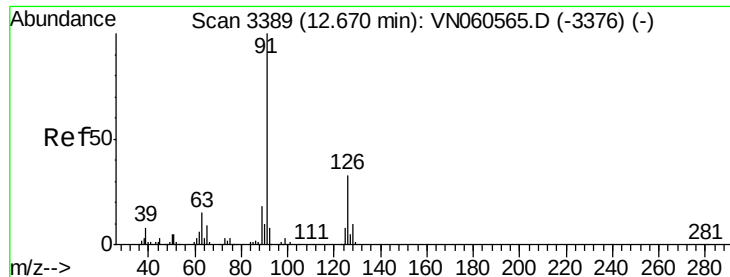
120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.850 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 258622

Ion Ratio Lower Upper

91 100

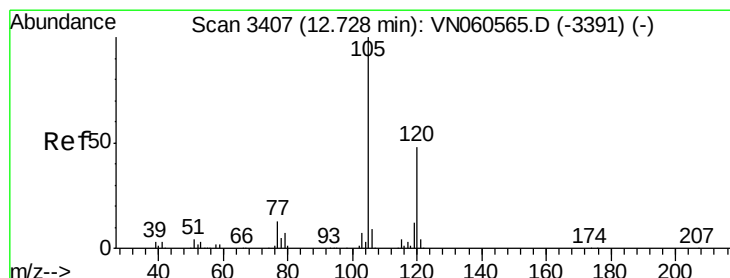
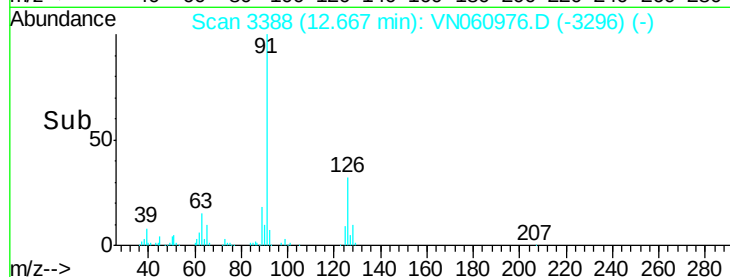
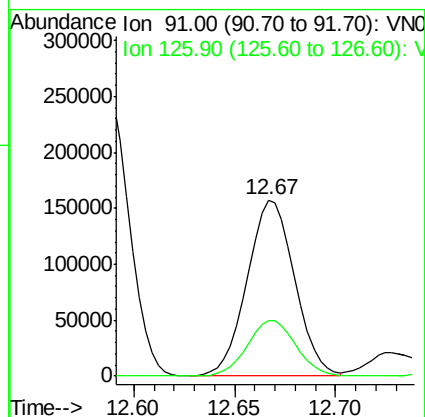
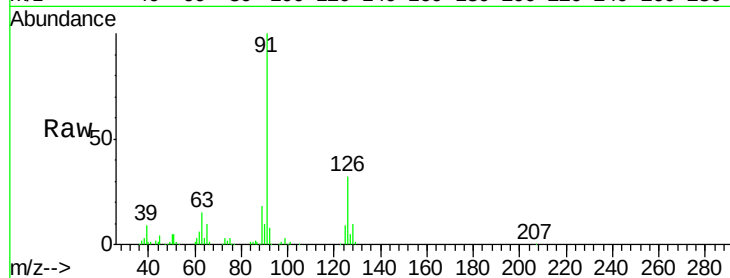
126 32.3 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.140 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060976.D

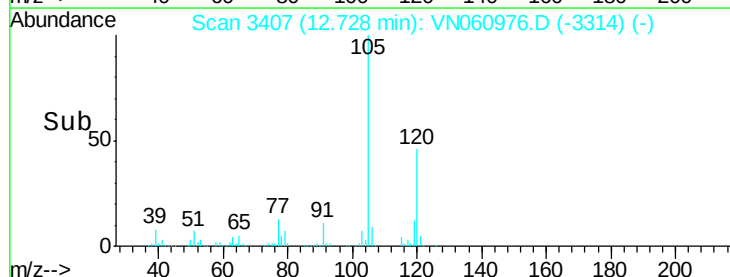
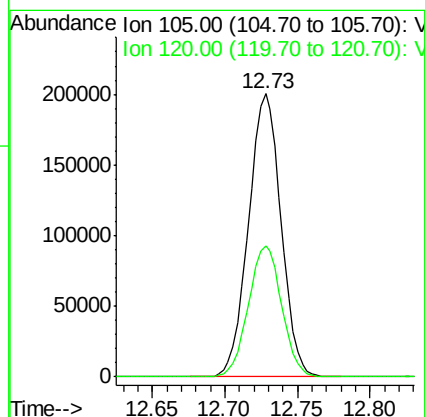
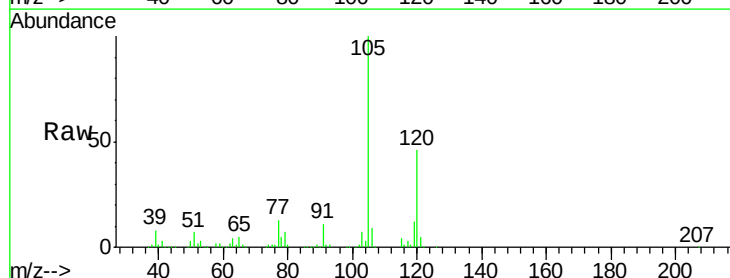
Acq: 15 Apr 2020 20:46

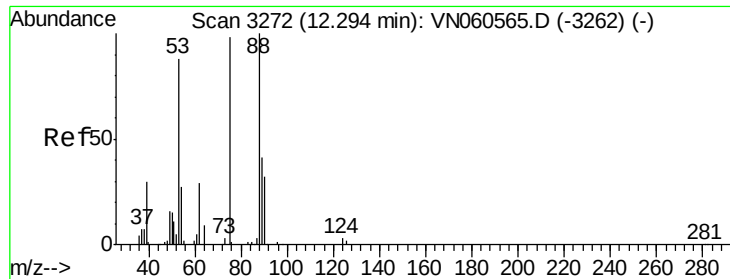
Tgt Ion: 105 Resp: 312836

Ion Ratio Lower Upper

105 100

120 47.2 23.9 71.7





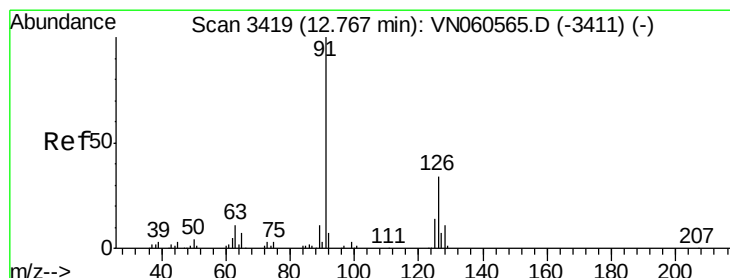
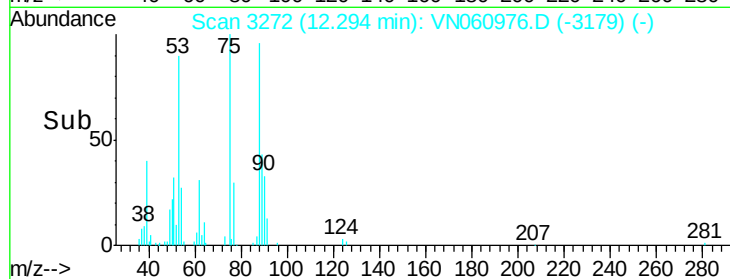
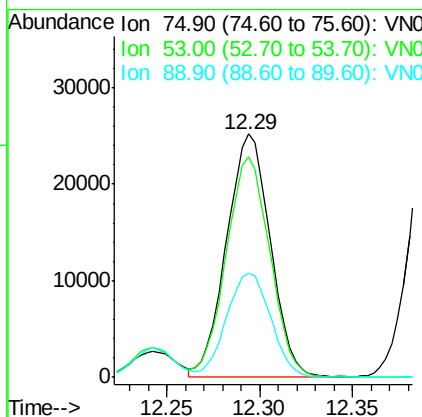
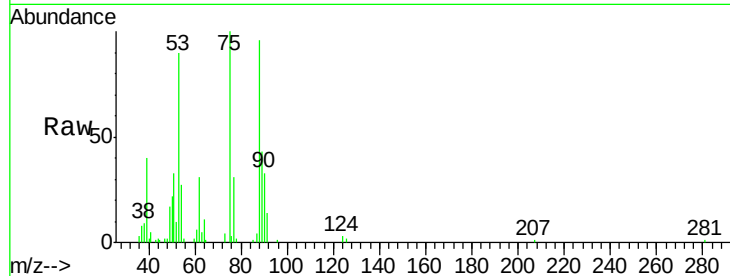
#81
trans-1,4-Dichloro-2-butene
Concen: 47.368 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.5	73.0	109.4
89	43.2	34.8	52.2

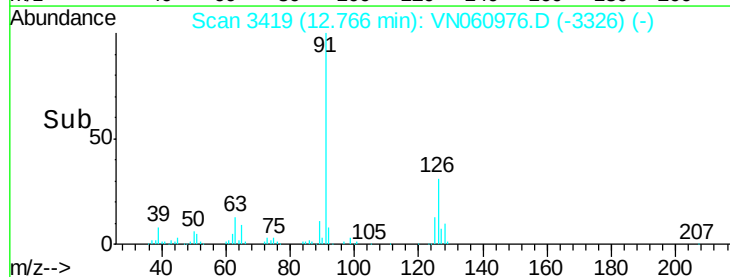
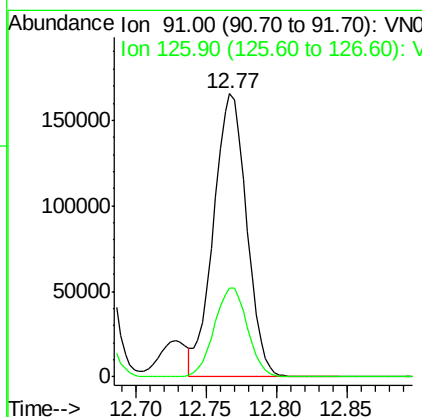
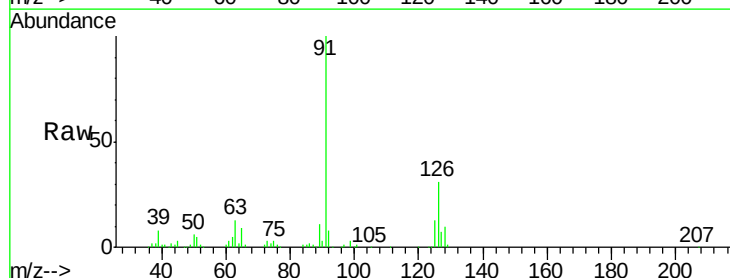
Manual Integrations
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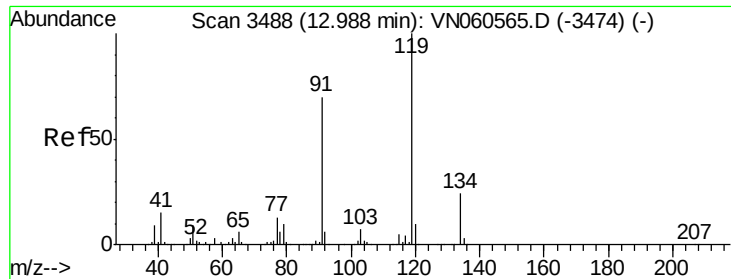
MMDadoda
4/16/2020 11:15:37 AM



#82
4-Chlorotoluene
Concen: 47.972 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.2	48.5





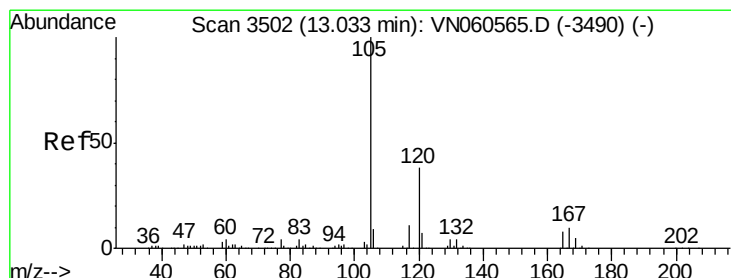
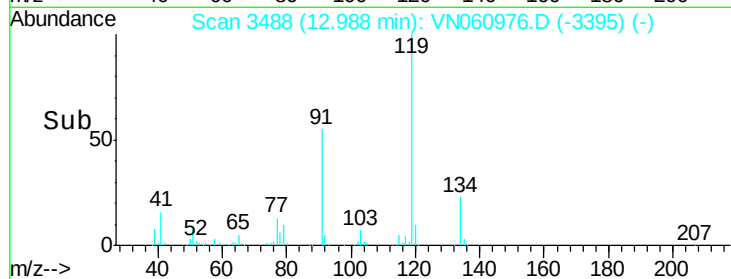
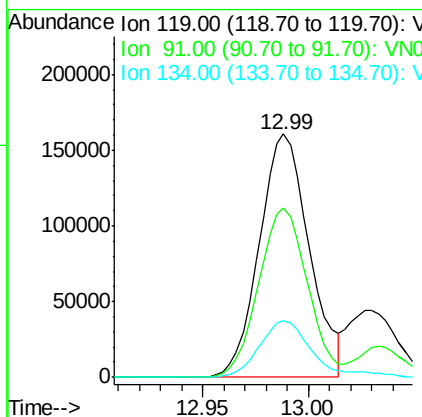
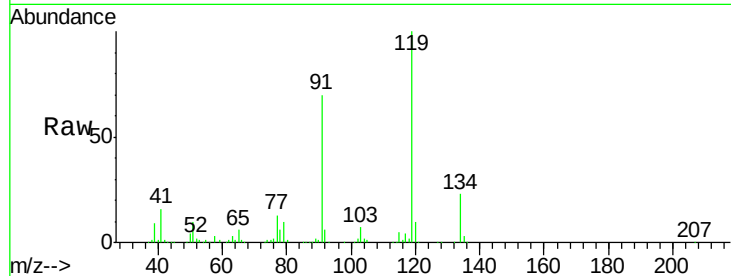
#83
 tert-Butylbenzene
 Concen: 48.079 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.0	101.8
134	24.9	12.7	38.0

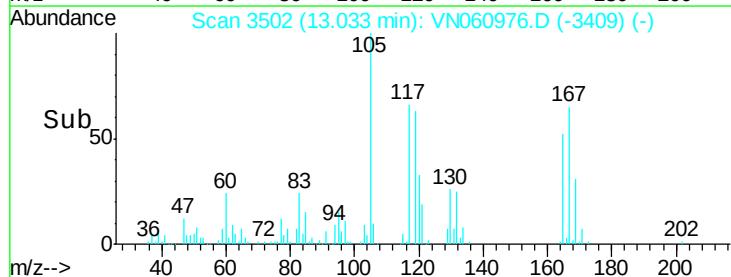
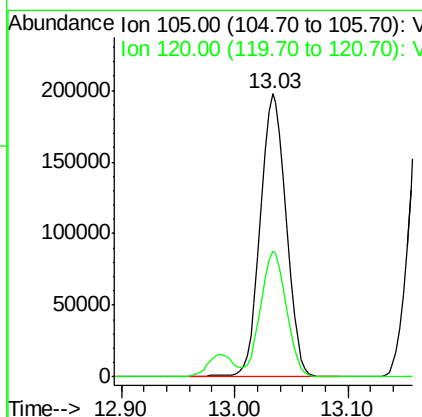
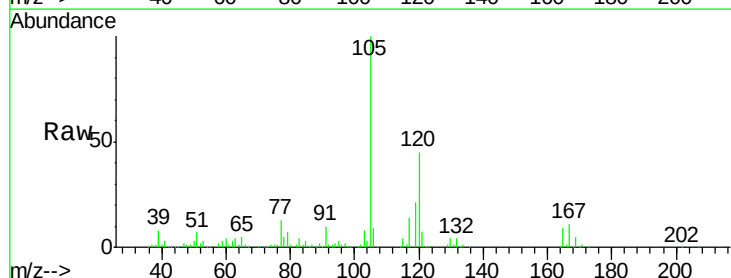
Manual Integrations
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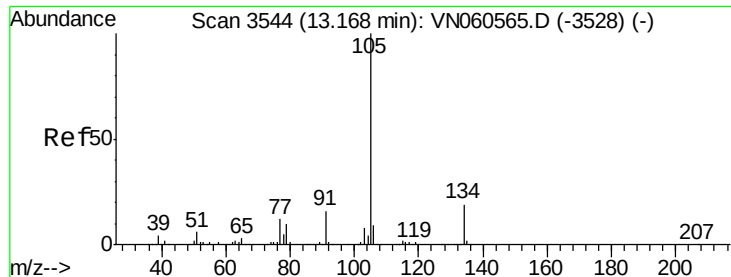
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.880 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 48.965 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 362226

Ion Ratio Lower Upper

105 100

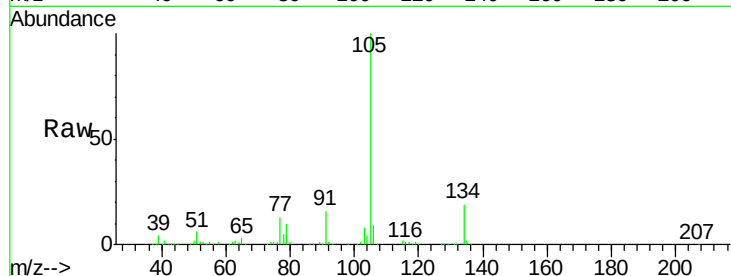
134 18.9 9.6 28.8

Manual Integrations

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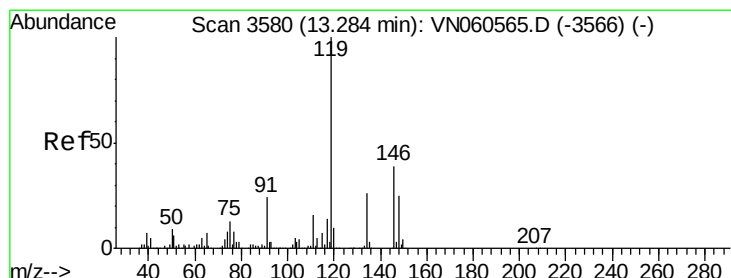
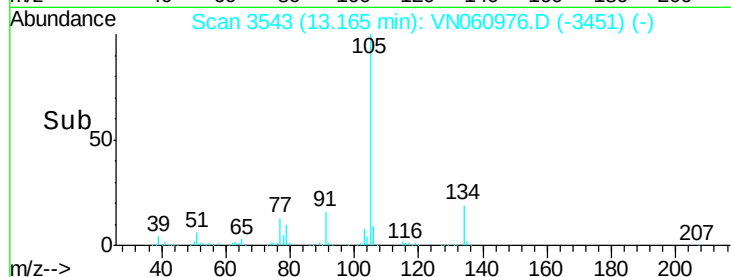
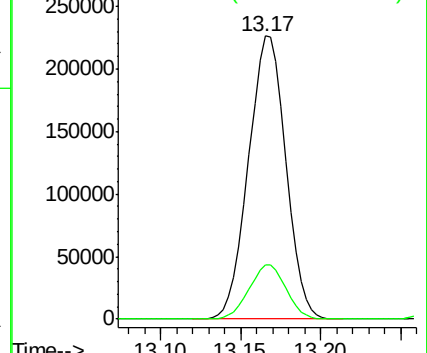
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.023 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060976.D

Acq: 15 Apr 2020 20:46

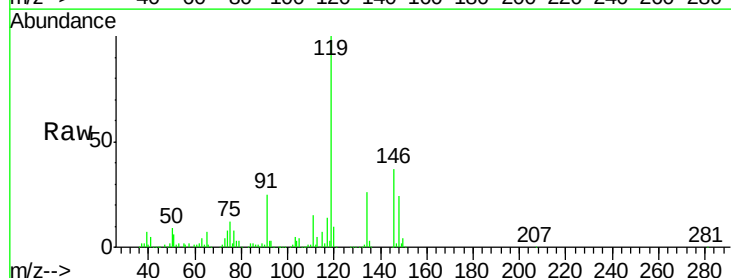
Tgt Ion:119 Resp: 319454

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

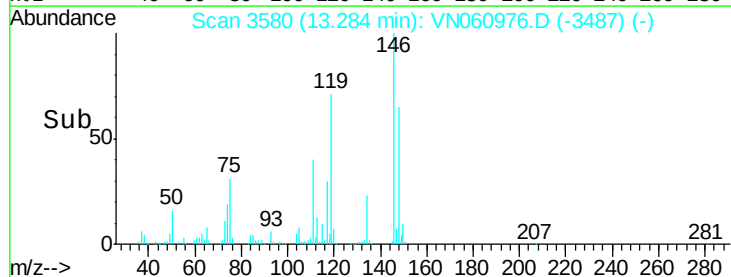
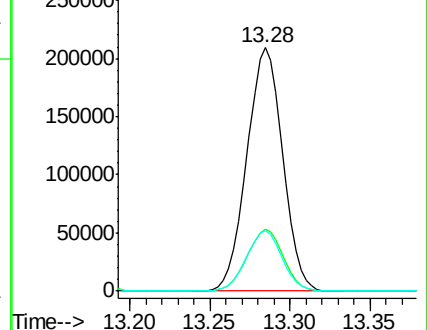
91 24.7 12.0 36.0

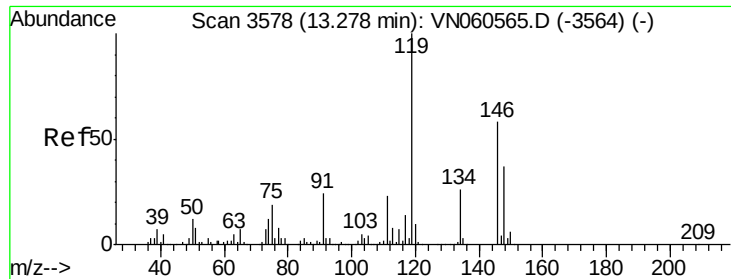


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





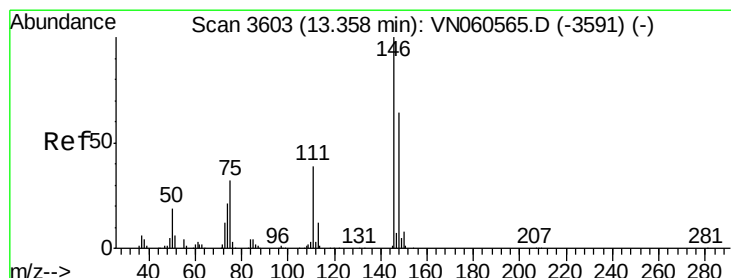
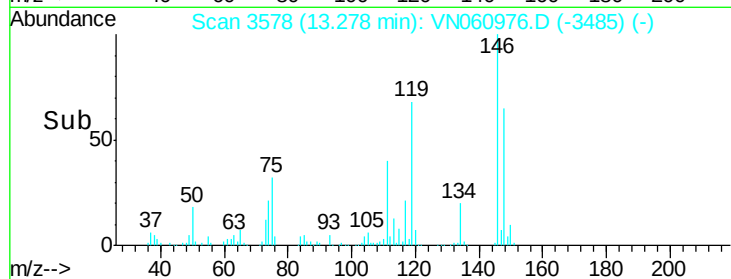
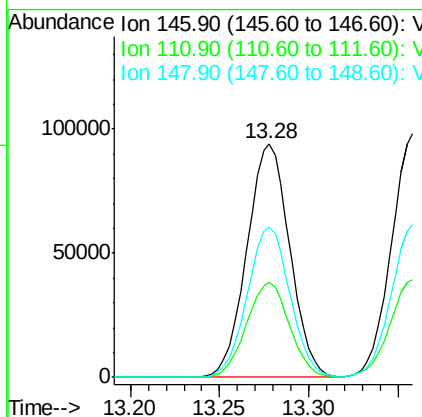
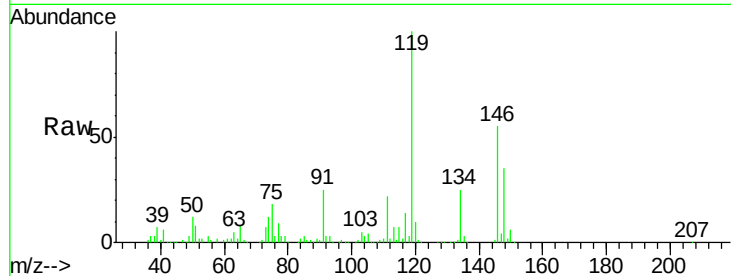
#87
 1,3-Dichlorobenzene
 Concen: 47.416 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.8
148	64.5	32.5	97.4

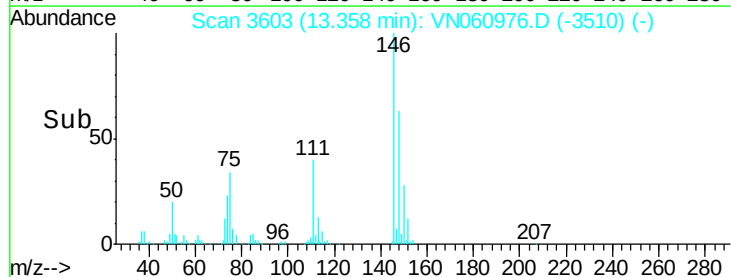
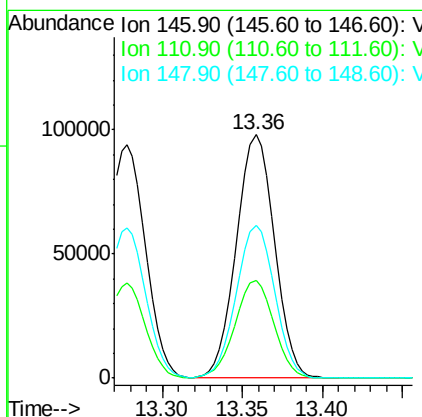
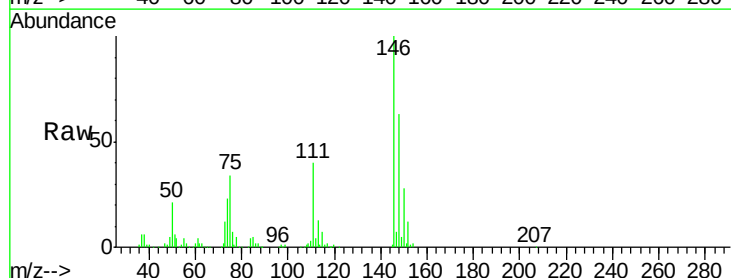
Manual Integrations
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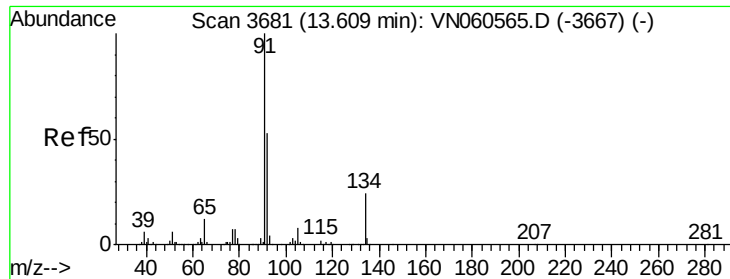
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 4/16/2020 11:15:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.822 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.6	58.7
148	63.3	32.1	96.3





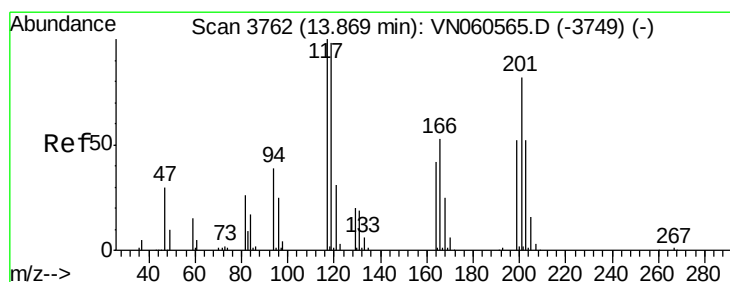
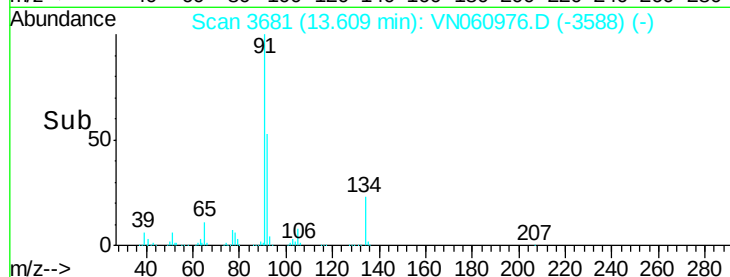
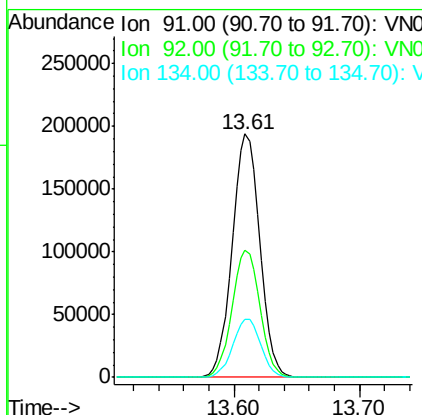
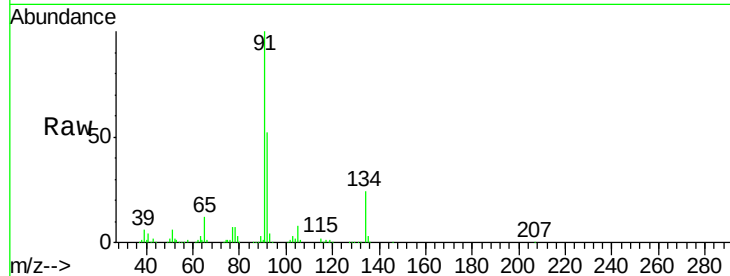
#89
n-Butylbenzene
Concen: 49.374 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	24.2	12.3	36.9

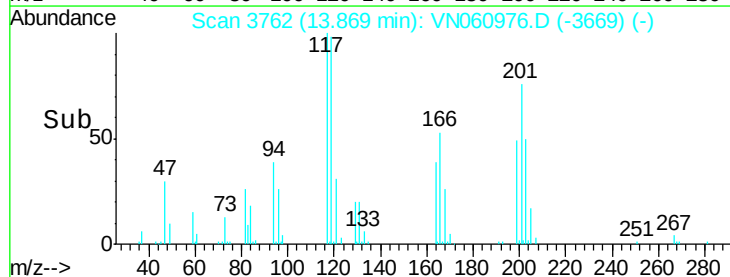
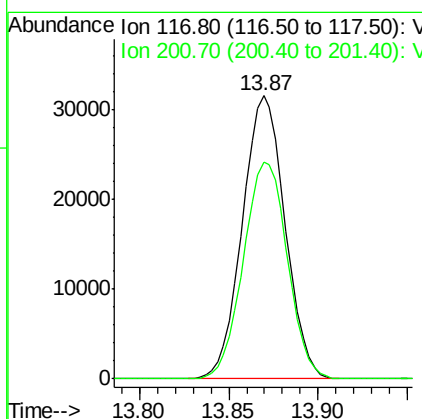
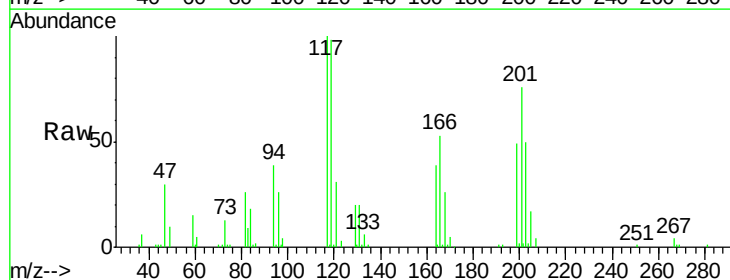
Manual Integrations
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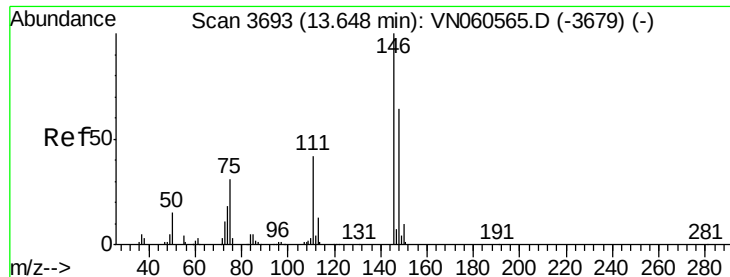
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#90
Hexachloroethane
Concen: 54.376 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	40.8	122.5





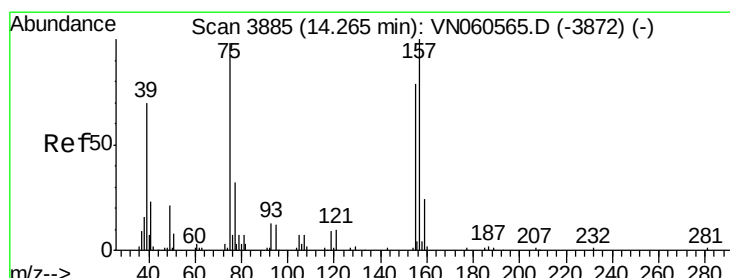
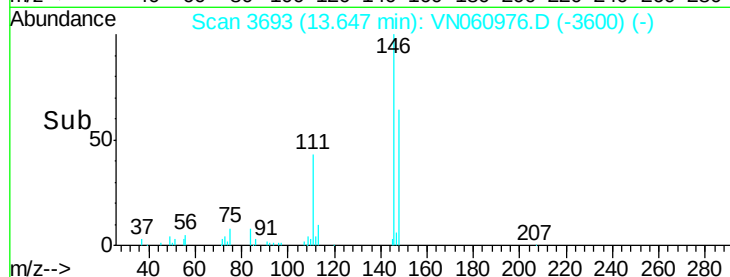
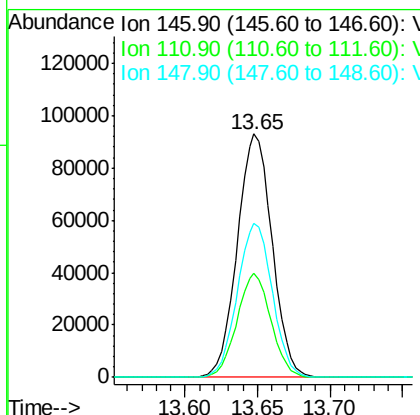
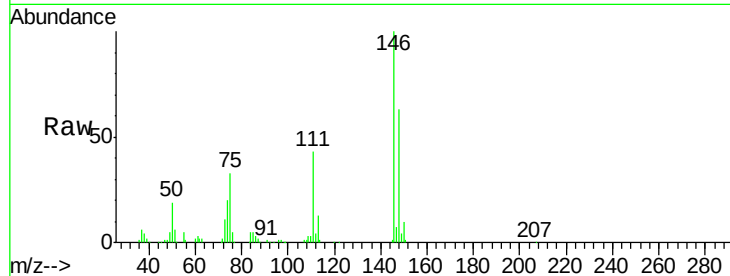
#91
 1,2-Dichlorobenzene
 Concen: 48.754 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.5	31.9	95.5

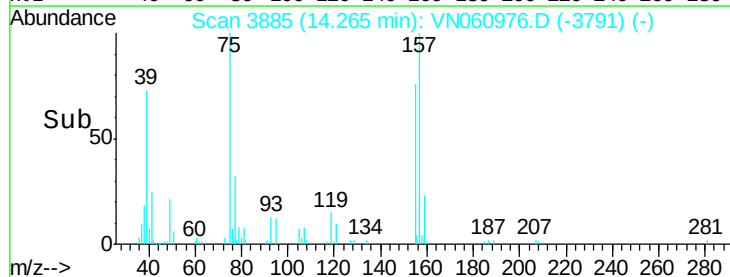
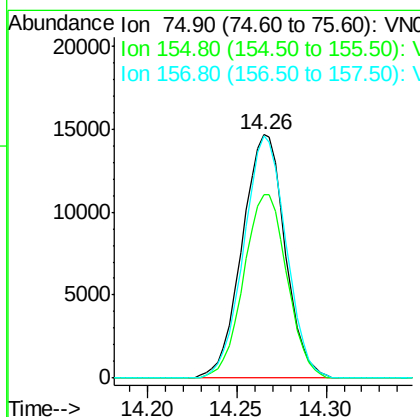
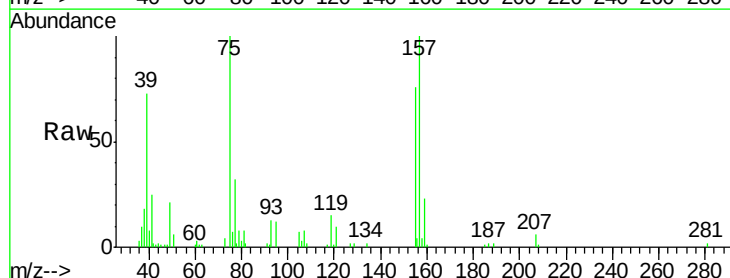
Manual Integrations
 APPROVED

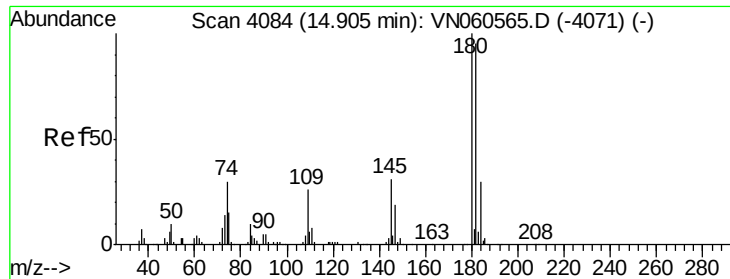
MMDadoda
 4/16/2020 11:15:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.703 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	40.7	122.1
157	97.9	51.5	154.7





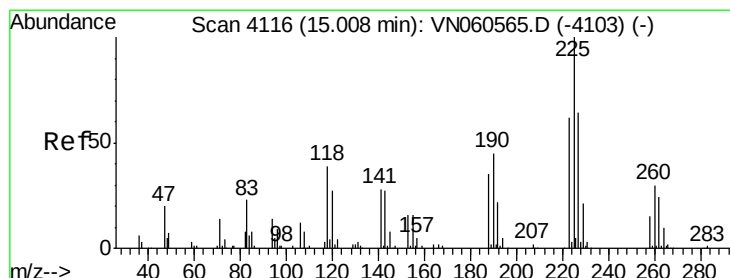
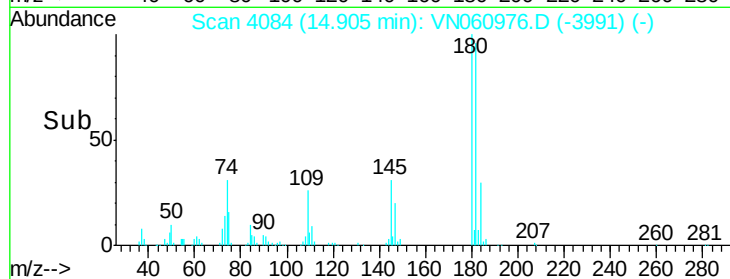
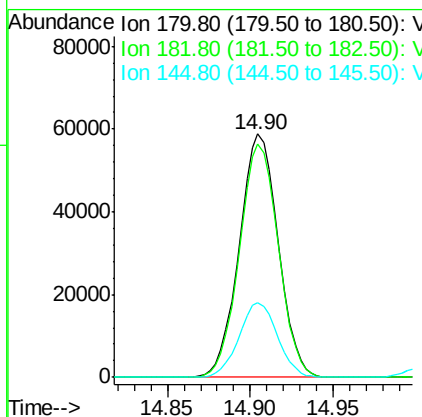
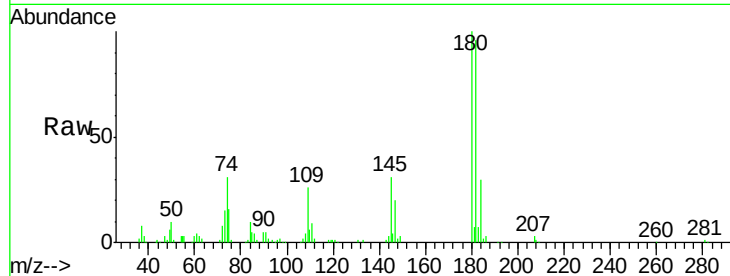
#93
 1,2,4-Trichlorobenzene
 Concen: 49.155 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.8
145	30.4	15.4	46.2

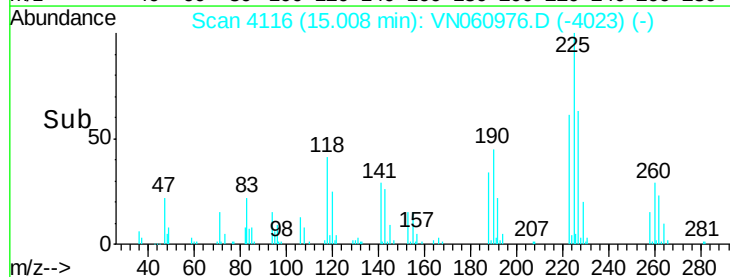
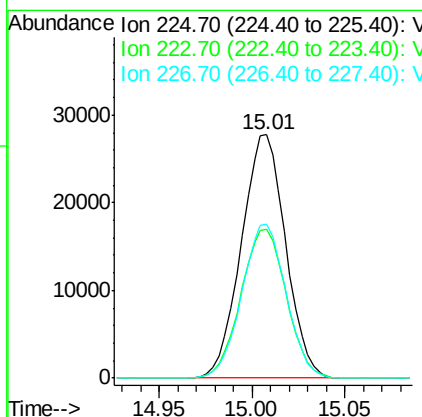
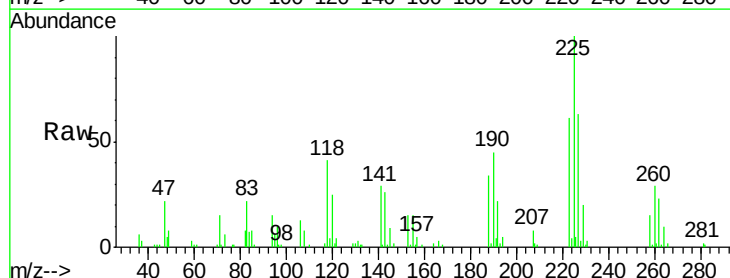
Manual Integrations
 APPROVED

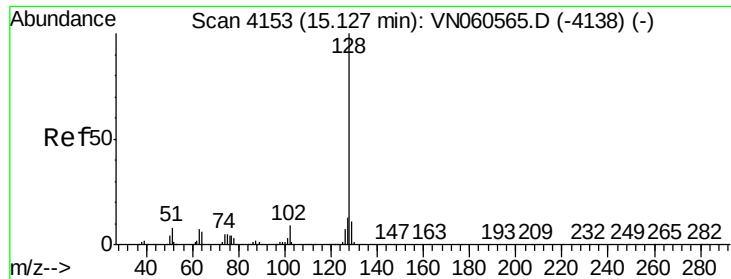
MMDadoda
 4/16/2020 11:15:37 AM



#94
 Hexachlorobutadiene
 Concen: 48.247 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060976.D
 Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.6	95.0
227	63.1	32.3	96.8





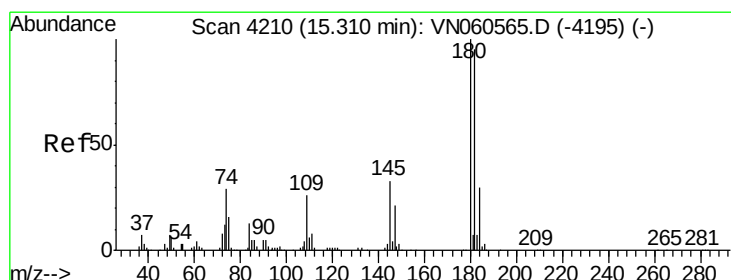
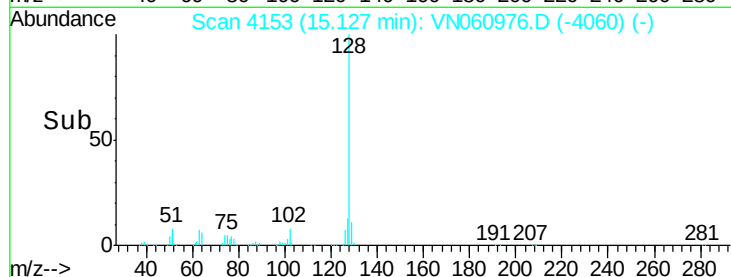
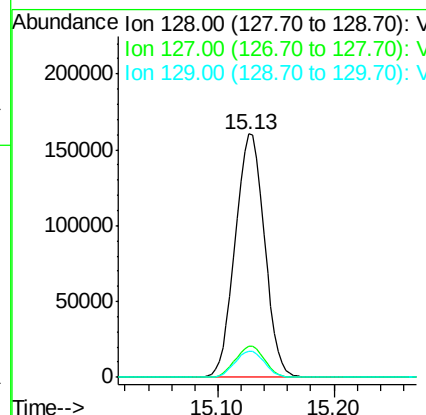
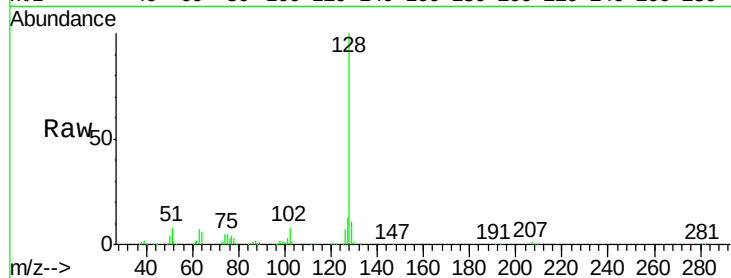
#95
Naphthalene
Concen: 47.639 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.324 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060976.D
Acq: 15 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.6
145	33.2	16.3	48.8

