

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061148.D
 Acq On : 22 Apr 2020 23:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 11:35:40 AM

Quant Time: Apr 23 08:51:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	187211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	313158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	289775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	146251	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.77	65	120872	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	7.31	113	87742	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	9.88	98	363703	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.21	95	136994	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.72	85	84231	48.387	ug/l	97
3) Chloromethane	1.91	50	97811	46.003	ug/l	97
4) Vinyl Chloride	2.03	62	119077	46.147	ug/l	97
5) Bromomethane	2.39	94	56559	45.099	ug/l	99
6) Chloroethane	2.52	64	62897	46.141	ug/l	100
7) Trichlorofluoromethane	2.82	101	134775	48.993	ug/l	99
8) Diethyl Ether	3.18	74	57121	44.946	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.51	101	86252	46.918	ug/l	99
10) Methyl Iodide	3.69	142	125463	47.323	ug/l	100
11) Tert butyl alcohol	4.43	59	64850	202.740	ug/l	99
12) 1,1-Dichloroethene	3.49	96	86784	46.370	ug/l	96
13) Acrolein	3.36	56	56418	230.833	ug/l	98
14) Allyl chloride	4.03	41	131592	54.073	ug/l	97
15) Acrylonitrile	4.64	53	227788	229.847	ug/l	100
16) Acetone	3.54	43	188856	221.188	ug/l	99
17) Carbon Disulfide	3.78	76	255948	45.731	ug/l	100
18) Methyl Acetate	4.02	43	129622	43.831	ug/l	98
19) Methyl tert-butyl Ether	4.69	73	307339	46.491	ug/l	99
20) Methylene Chloride	4.24	84	98829	45.568	ug/l	98
21) trans-1,2-Dichloroethene	4.70	96	97031	43.266	ug/l	97
22) Diisopropyl ether	5.61	45	320811	46.847	ug/l	98
23) Vinyl Acetate	5.55	43	1307621	238.269	ug/l	99
24) 1,1-Dichloroethane	5.51	63	180838	47.722	ug/l	99
25) 2-Butanone	6.51	43	301522	222.894	ug/l	98
26) 2,2-Dichloropropane	6.50	77	142259	41.688	ug/l	99
27) cis-1,2-Dichloroethene	6.51	96	111613	44.842	ug/l	98
28) Bromochloromethane	6.90	49	82649	50.763	ug/l	100
29) Tetrahydrofuran	6.90	42	205656	220.828	ug/l	100
30) Chloroform	7.09	83	183762	47.953	ug/l	98
31) Cyclohexane	7.37	56	168757	44.281	ug/l	99
32) 1,1,1-Trichloroethane	7.29	97	161461	47.243	ug/l	99
36) 1,1-Dichloropropene	7.52	75	137975	45.081	ug/l	100
37) Ethyl Acetate	6.61	43	133095	43.390	ug/l	100
38) Carbon Tetrachloride	7.50	117	122656	45.779	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	168189	44.945	ug/l	99
40) Benzene	7.78	78	412002	45.463	ug/l	100
41) Methacrylonitrile	6.87	41	64647m	44.392	ug/l	
42) 1,2-Dichloroethane	7.87	62	146058	45.232	ug/l	99
43) Isopropyl Acetate	7.92	43	231767	44.488	ug/l	99
44) Trichloroethene	8.60	130	117840	44.725	ug/l	98
45) 1,2-Dichloropropane	8.89	63	108061	45.069	ug/l	98
46) Dibromomethane	8.98	93	70646	45.980	ug/l	99
47) Bromodichloromethane	9.18	83	142851	47.167	ug/l	100
48) Methyl methacrylate	8.98	41	107884	43.982	ug/l	99
49) 1,4-Dioxane	8.97	88	20250	779.935	ug/l	98
51) 4-Methyl-2-Pentanone	9.78	43	670562	220.525	ug/l	100
52) Toluene	9.95	92	257884	45.457	ug/l	99
53) t-1,3-Dichloropropene	10.18	75	164707	44.442	ug/l	98
54) cis-1,3-Dichloropropene	9.63	75	174545	45.271	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	99811	45.663	ug/l	99
56) Ethyl methacrylate	10.23	69	155473	46.679	ug/l	99
57) 1,3-Dichloropropane	10.51	76	170081	45.848	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	410476	239.022	ug/l	100
59) 2-Hexanone	10.56	43	491110	218.623	ug/l	100
60) Dibromochloromethane	10.70	129	106588	46.635	ug/l	99
61) 1,2-Dibromoethane	10.81	107	106283	47.183	ug/l	98
64) Tetrachloroethene	10.43	164	125535	42.318	ug/l	99
65) Chlorobenzene	11.24	112	270910	45.990	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.32	131	97335	46.624	ug/l	99
67) Ethyl Benzene	11.32	91	506994	46.218	ug/l	100
68) m/p-Xylenes	11.43	106	380564	92.902	ug/l	99
69) o-Xylene	11.76	106	183177	46.315	ug/l	99
70) Styrene	11.77	104	304192	47.492	ug/l	99
71) Bromoform	11.93	173	75561	48.010	ug/l #	100
73) Isopropylbenzene	12.06	105	490924	44.432	ug/l	100
74) N-amyl acetate	11.89	43	213378	42.962	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.32	83	135928	45.907	ug/l	98
76) 1,2,3-Trichloropropane	12.36	75	140942m	41.779	ug/l	
77) Bromobenzene	12.33	156	117698	43.721	ug/l	98
78) n-propylbenzene	12.40	91	575505	44.407	ug/l	100
79) 2-Chlorotoluene	12.48	91	332931	44.243	ug/l	100
80) 1,3,5-Trimethylbenzene	12.55	105	412521	44.307	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.11	75	51652	40.210	ug/l	97
82) 4-Chlorotoluene	12.58	91	353006	44.216	ug/l	100
83) tert-Butylbenzene	12.81	119	346863	44.362	ug/l	98
84) 1,2,4-Trimethylbenzene	12.85	105	413494	44.593	ug/l	100
85) sec-Butylbenzene	12.99	105	468901	44.318	ug/l	99
86) p-Isopropyltoluene	13.10	119	426855	44.450	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	213524	44.753	ug/l	100
88) 1,4-Dichlorobenzene	13.17	146	216250	44.651	ug/l	100
89) n-Butylbenzene	13.43	91	391501	44.680	ug/l	100
90) Hexachloroethane	13.68	117	37341	38.605	ug/l	98
91) 1,2-Dichlorobenzene	13.46	146	204071	45.973	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.08	75	28267	43.979	ug/l	99

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QLast Update : Wed Apr 22 15:26:40 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.71	180	134819	45.411	ug/l	99
94) Hexachlorobutadiene	14.82	225	58004	44.800	ug/l	97
95) Naphthalene	14.93	128	412296	44.978	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	127961	44.854	ug/l	99

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

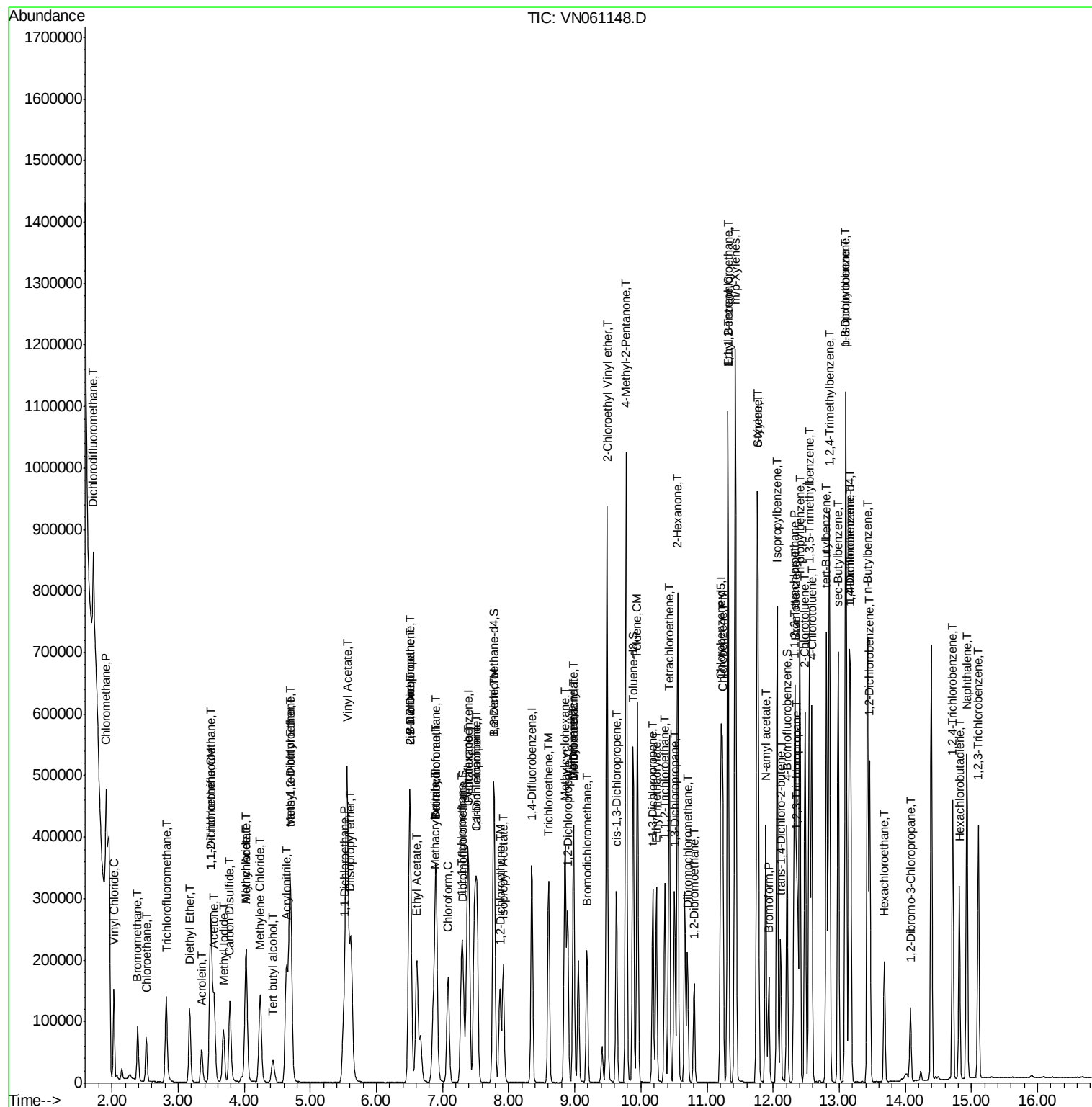
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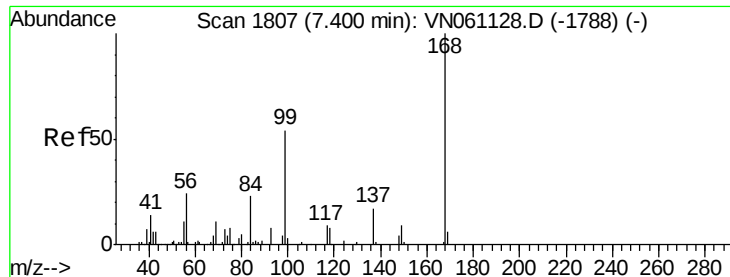
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 187211

Ion Ratio Lower Upper

168 100

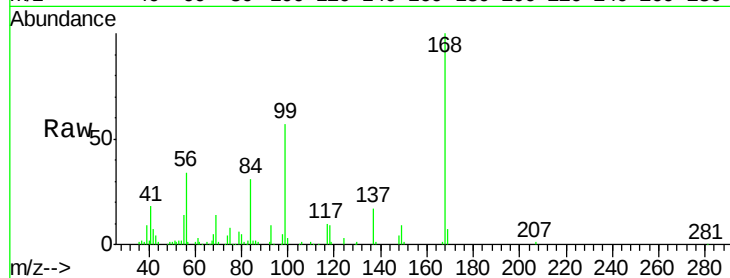
99 56.8 44.3 66.5

Manual Integrations

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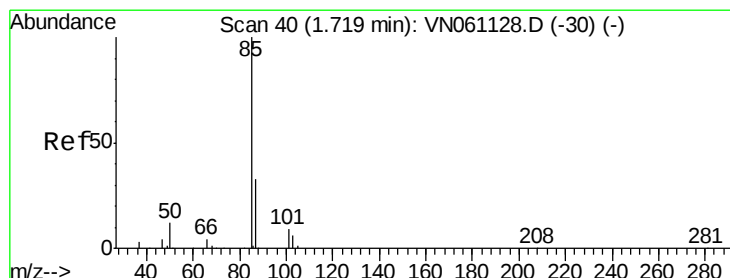
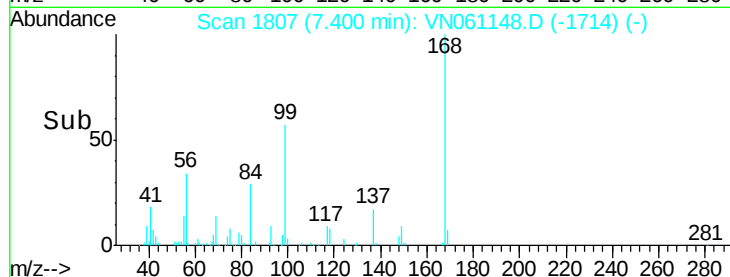
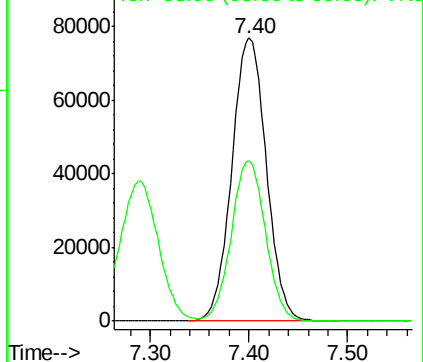
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.387 ug/l

RT: 1.72 min Scan# 40

Delta R.T. 0.00 min

Lab File: VN061148.D

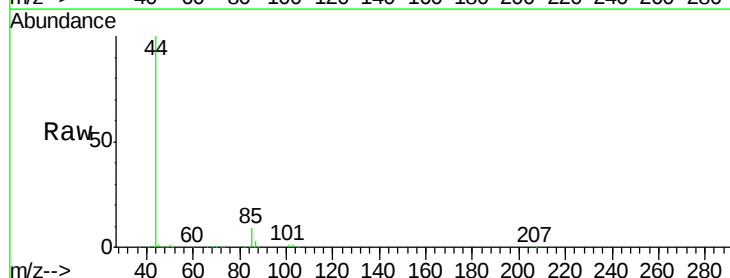
Acq: 22 Apr 2020 23:18

Tgt Ion: 85 Resp: 84231

Ion Ratio Lower Upper

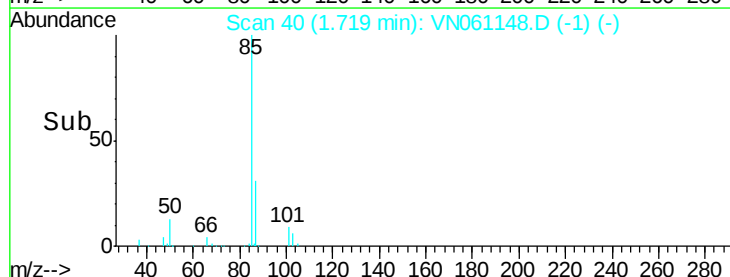
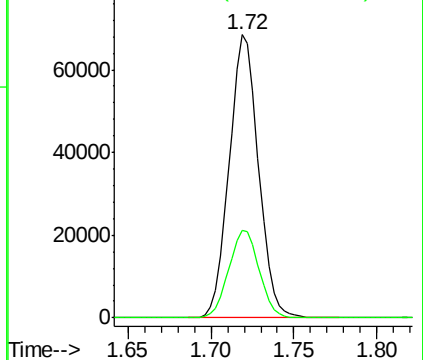
85 100

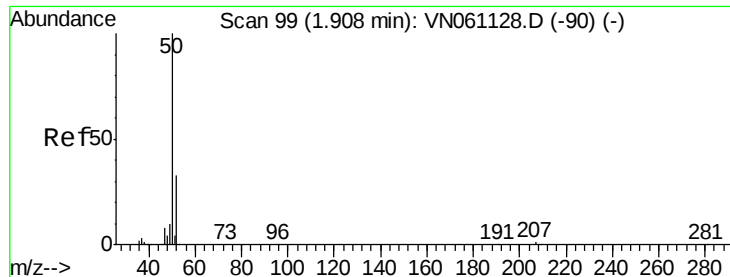
87 31.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.003 ug/l

RT: 1.91 min Scan# 99

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 97811

Ion Ratio Lower Upper

50 100

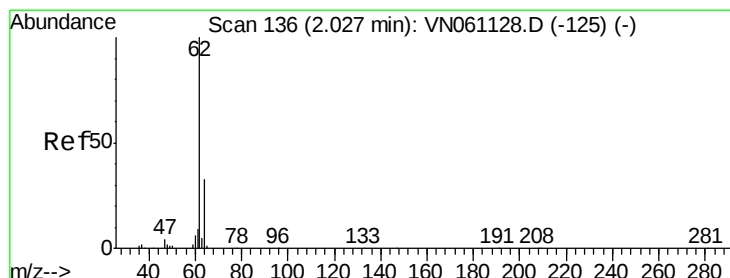
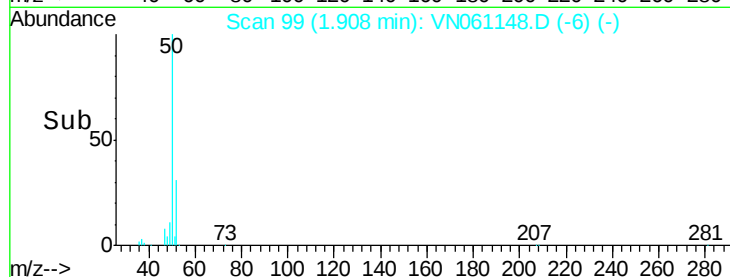
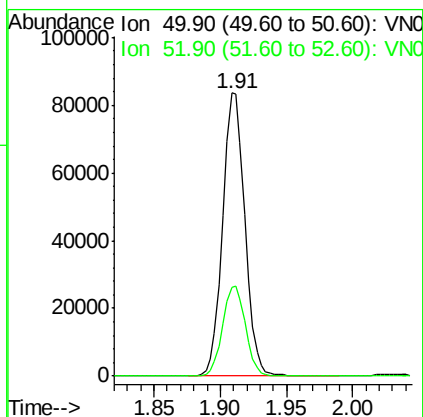
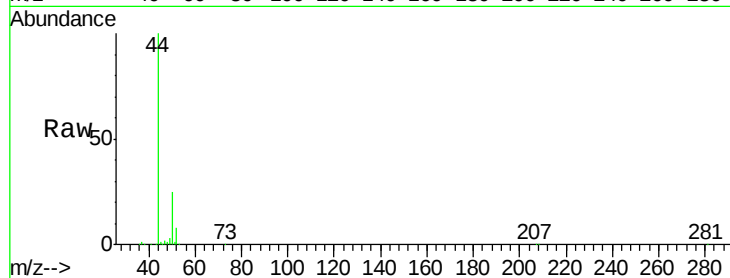
52 31.5 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.147 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061148.D

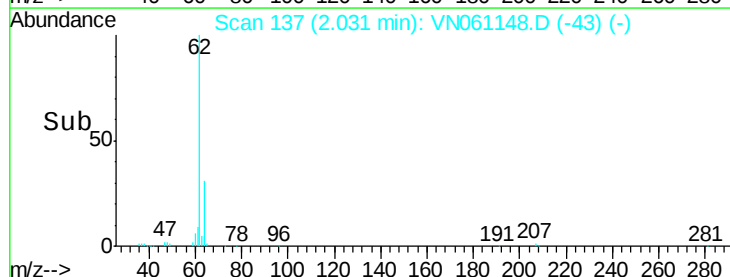
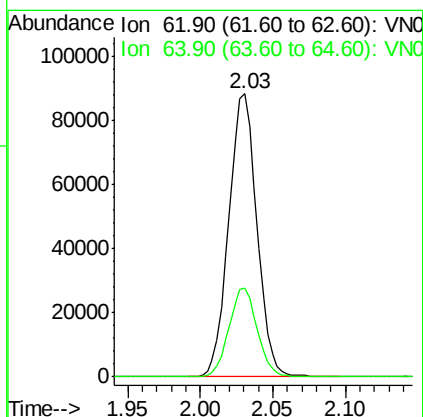
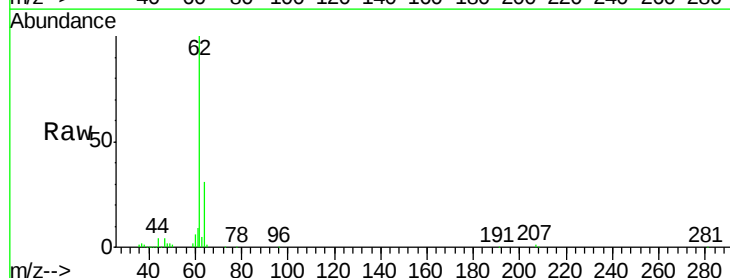
Acq: 22 Apr 2020 23:18

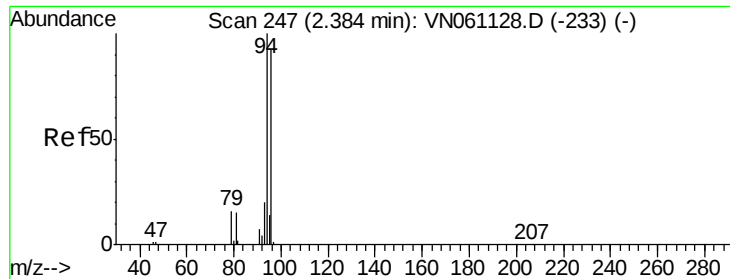
Tgt Ion: 62 Resp: 119077

Ion Ratio Lower Upper

62 100

64 31.3 26.6 40.0





#5

Bromomethane

Concen: 45.099 ug/l

RT: 2.39 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

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Tot Ion: 94 Resp: 56559

Ion Ratio Lower Upper

94 100

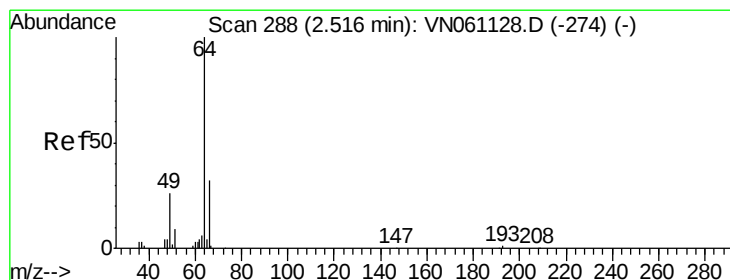
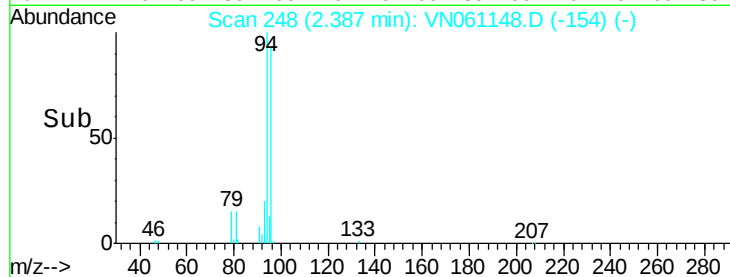
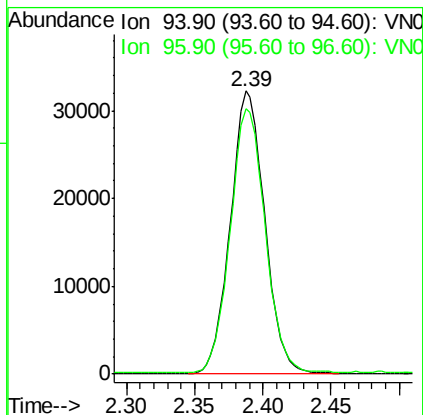
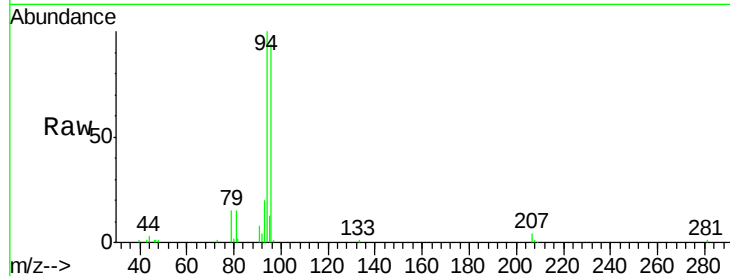
96 93.3 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 46.141 ug/l

RT: 2.52 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN061148.D

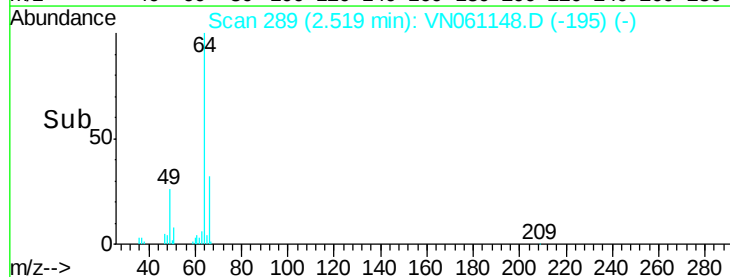
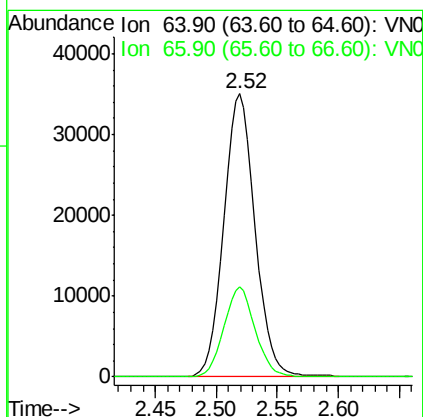
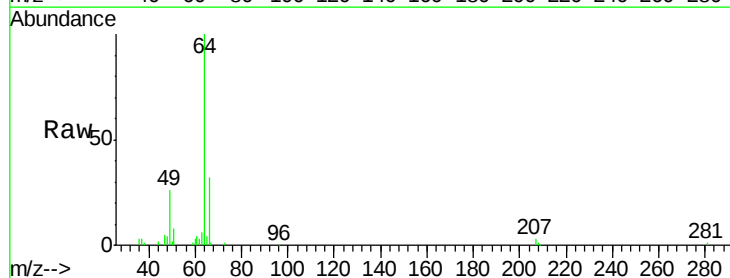
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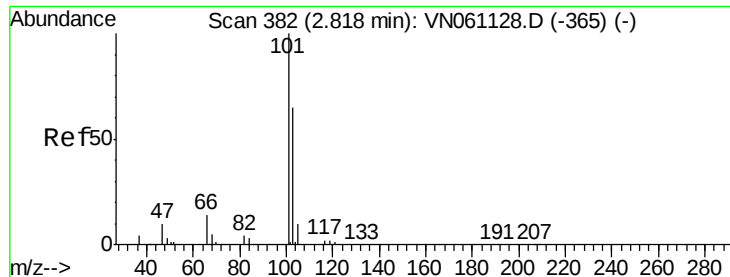
Tgt Ion: 64 Resp: 62897

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.2





#7

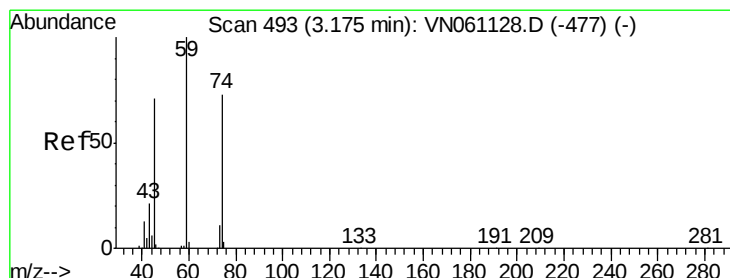
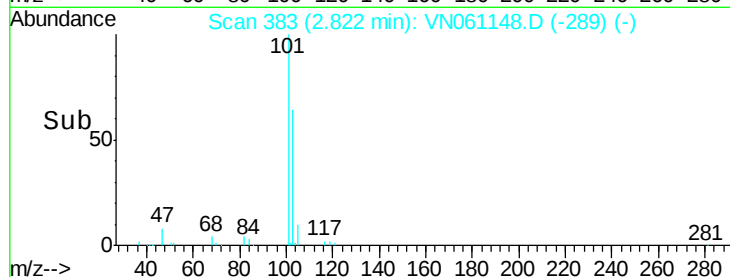
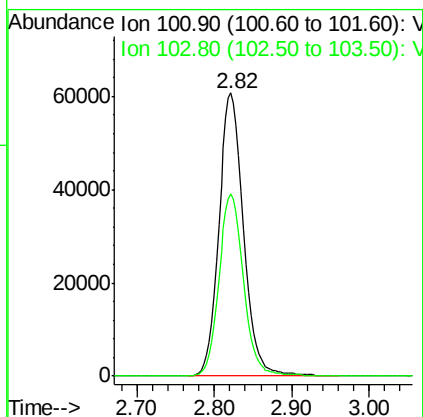
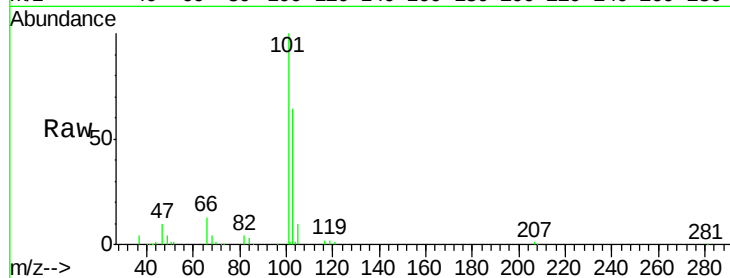
Trichlorofluoromethane
Concen: 48.993 ug/l
RT: 2.82 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

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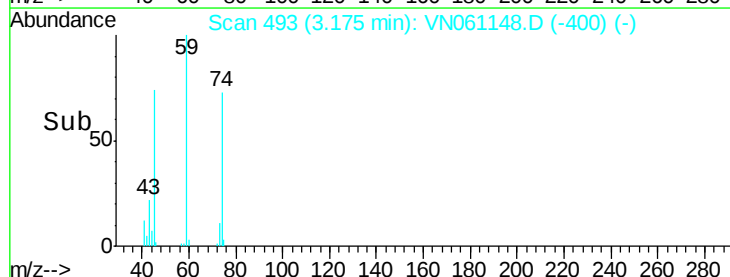
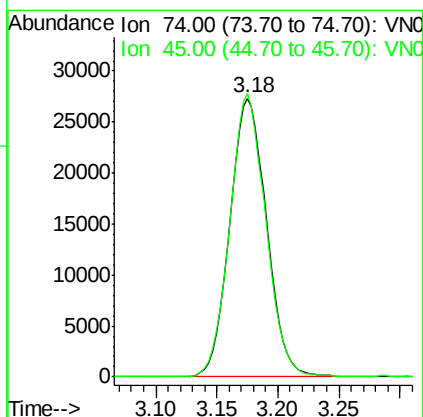
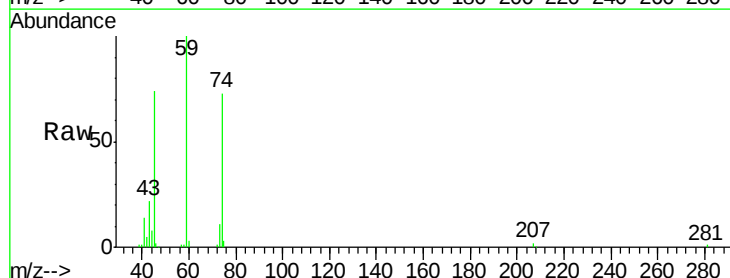
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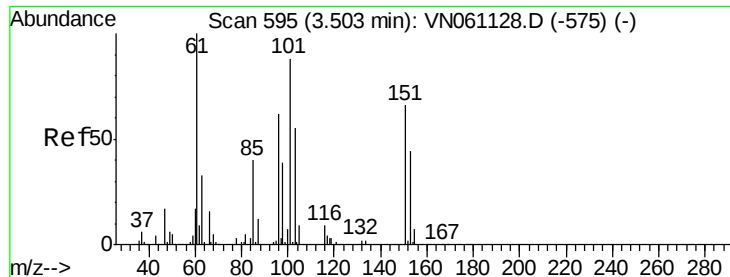


#8

Diethyl Ether
Concen: 44.946 ug/l
RT: 3.18 min Scan# 493
Delta R.T. 0.00 min
Lab File: VN061148.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	49.1	147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.918 ug/l

RT: 3.51 min Scan# 596

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

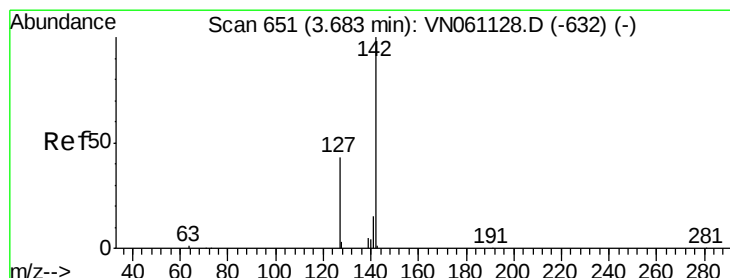
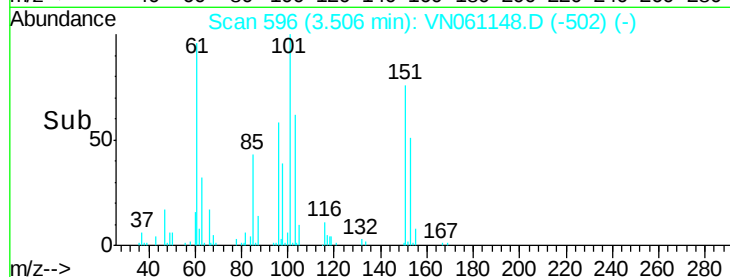
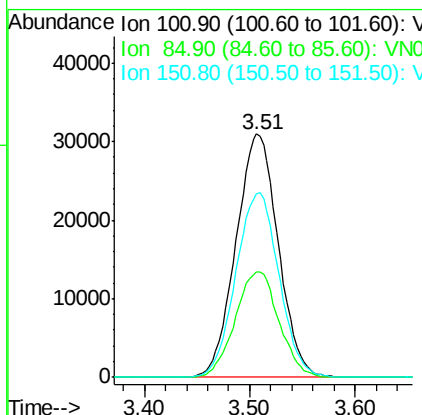
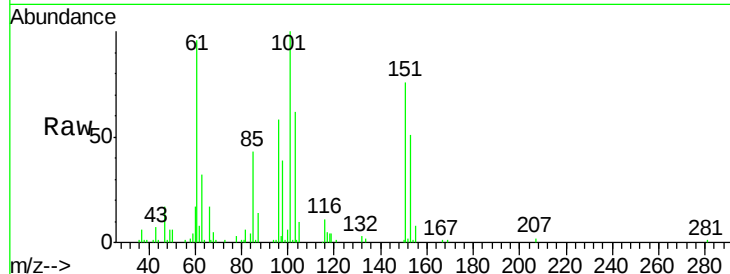
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	86252
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.2	54.4
151	77.6	61.8	92.8

Manual Integrations
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MMDadoda
4/23/2020 11:35:40 AM



#10

Methyl Iodide

Concen: 47.323 ug/l

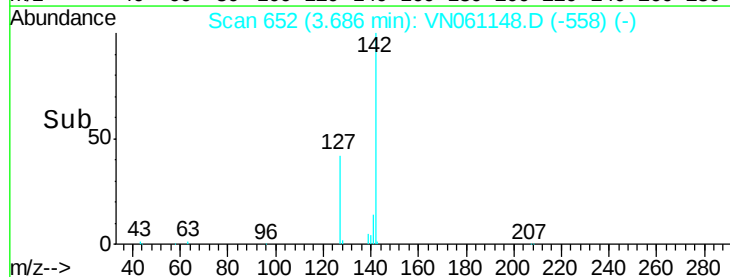
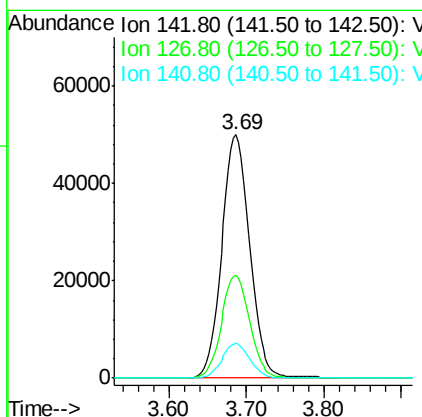
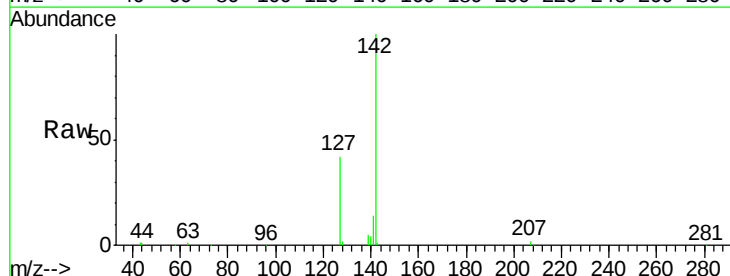
RT: 3.69 min Scan# 652

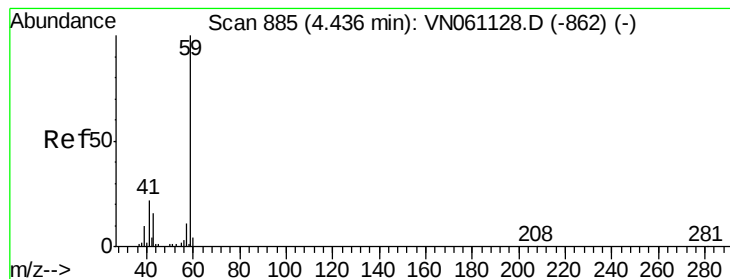
Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Tgt Ion:	142	Resp:	125463
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.2	51.4
141	14.0	11.3	16.9





#11

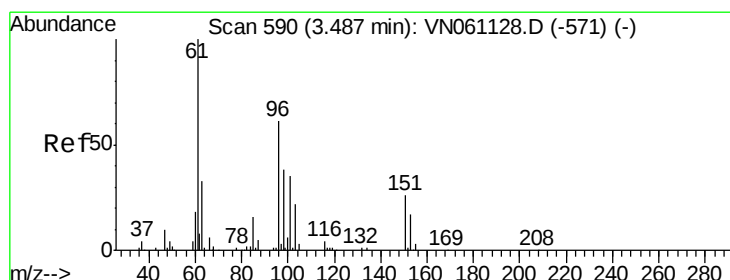
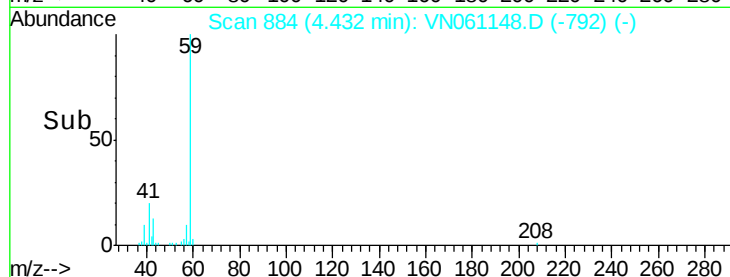
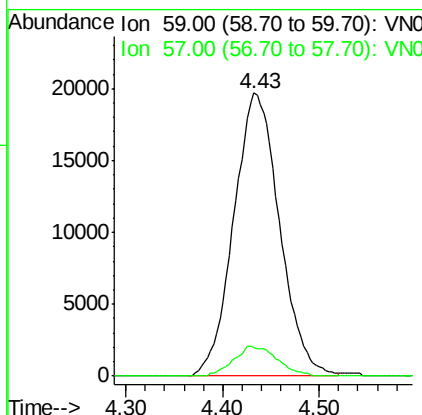
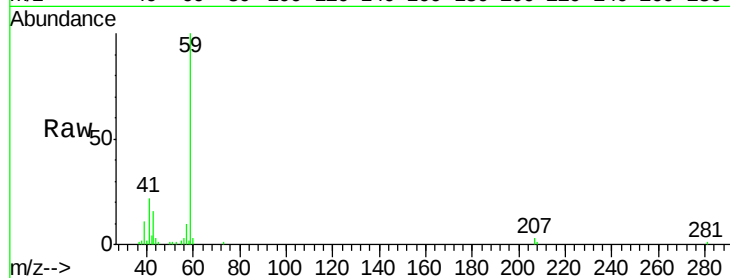
Tert butyl alcohol
 Concen: 202.740 ug/l
 RT: 4.43 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
 APPROVED

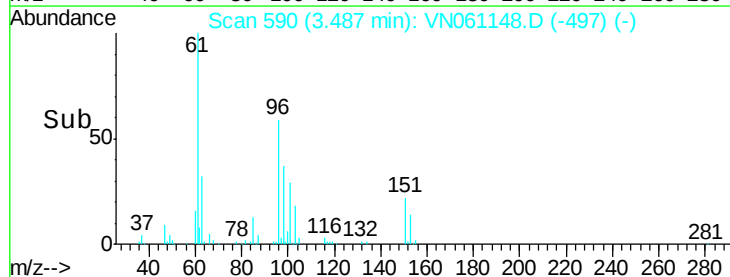
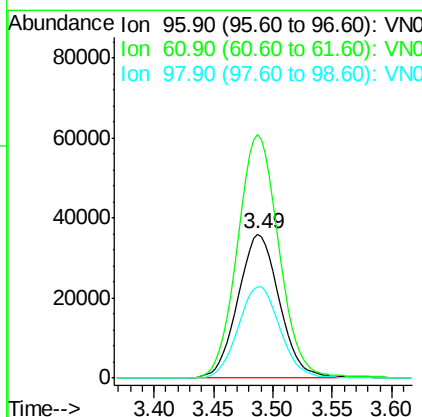
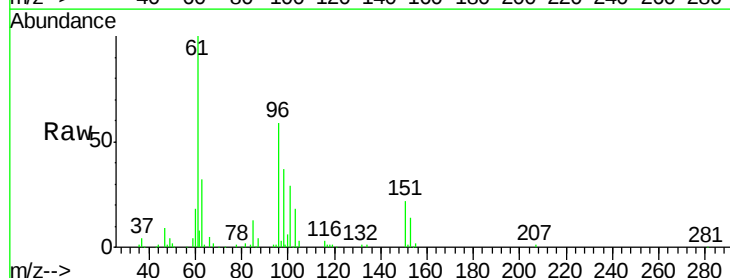
MMDadoda
 4/23/2020 11:35:40 AM

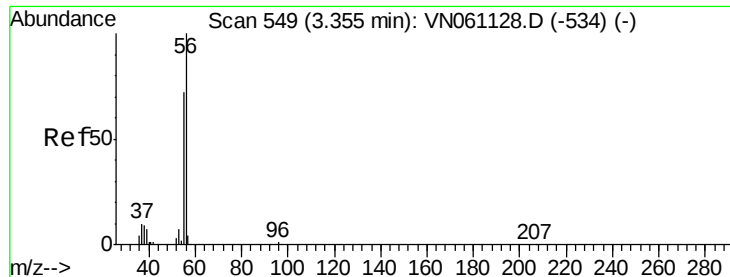


#12

1,1-Dichloroethene
 Concen: 46.370 ug/l
 RT: 3.49 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.1	130.8	196.2
98	63.4	49.4	74.2





#13

Acrolein

Concen: 230.833 ug/l

RT: 3.36 min Scan# 549

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 56418

Ion Ratio Lower Upper

56 100

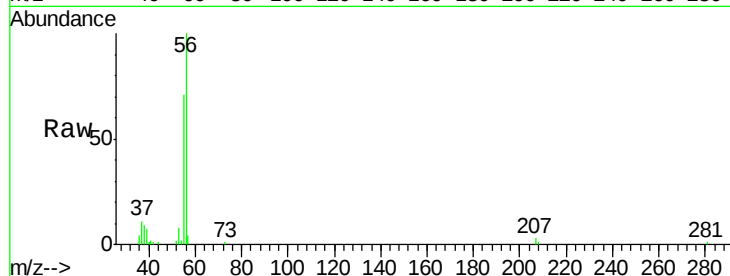
55 70.3 57.4 86.0

Manual Integrations

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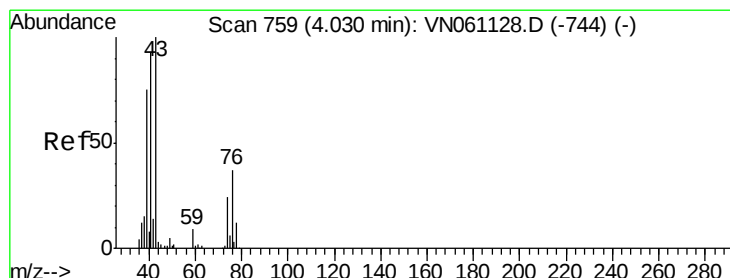
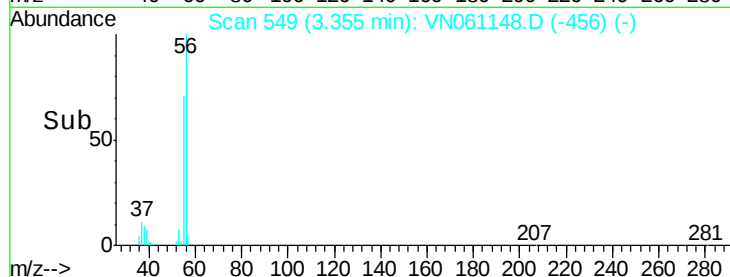
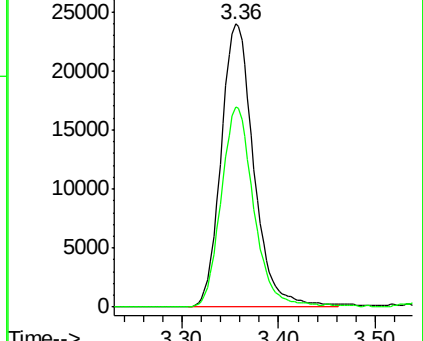
MMDadoda

4/23/2020 11:35:40 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 54.073 ug/l

RT: 4.03 min Scan# 759

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

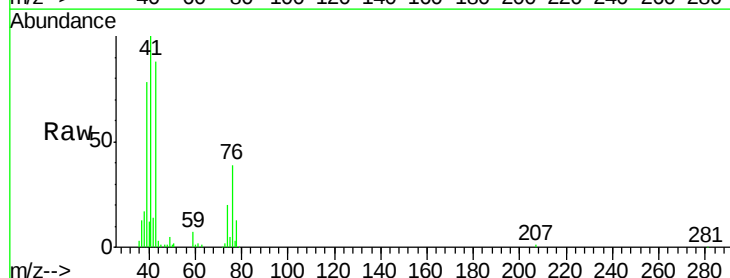
Tgt Ion: 41 Resp: 131592

Ion Ratio Lower Upper

41 100

39 78.4 61.0 91.4

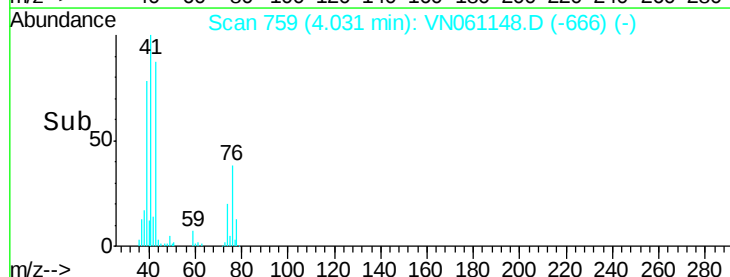
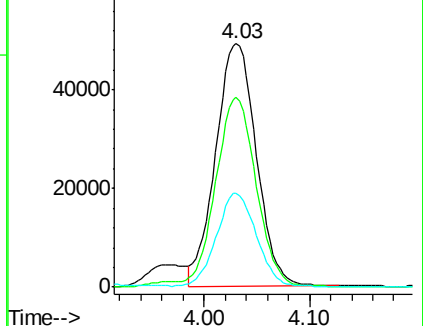
76 38.5 28.9 43.3

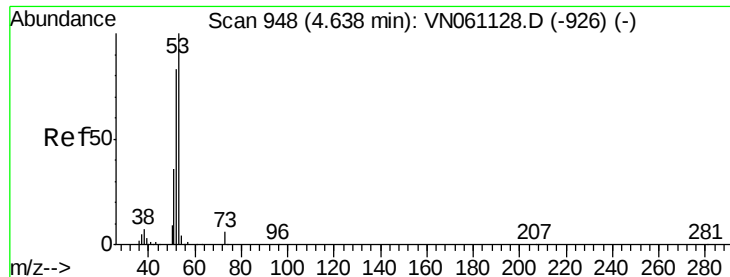


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 229.847 ug/l

RT: 4.64 min Scan# 948

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

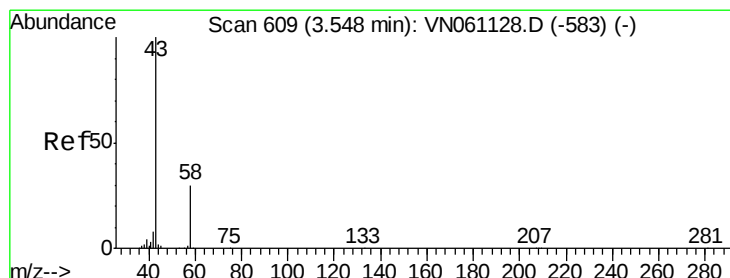
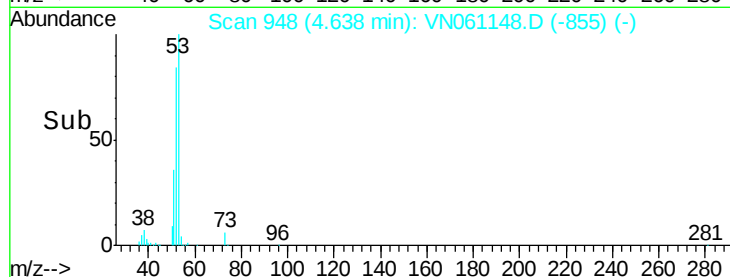
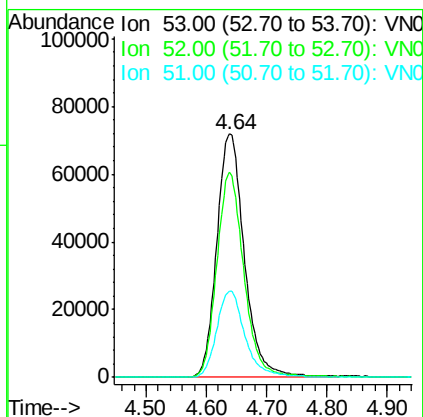
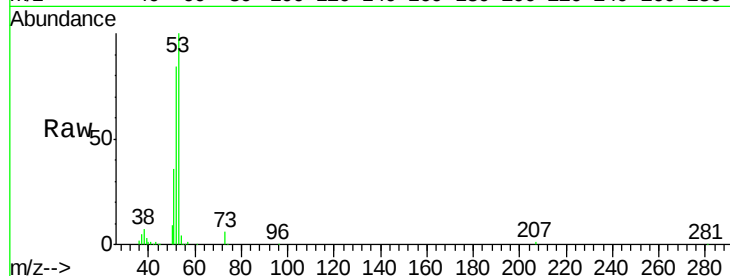
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	227788
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.1	99.1
51	36.4	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 221.188 ug/l

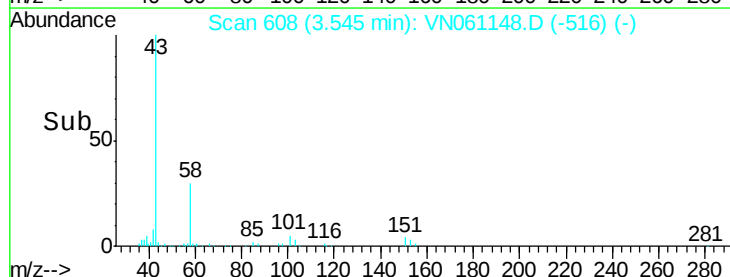
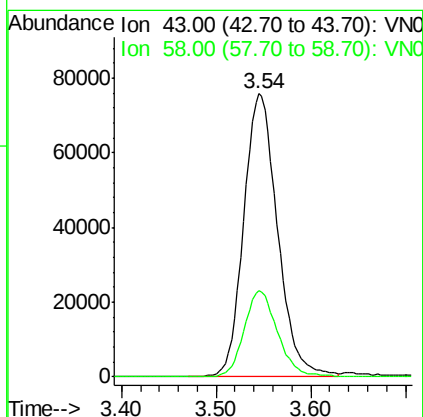
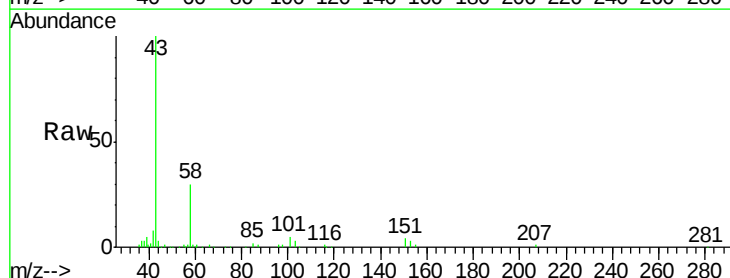
RT: 3.54 min Scan# 608

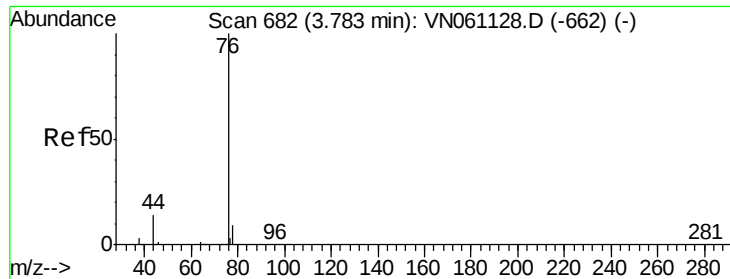
Delta R.T. -0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Tgt Ion:	43	Resp:	188856
Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.6	35.4





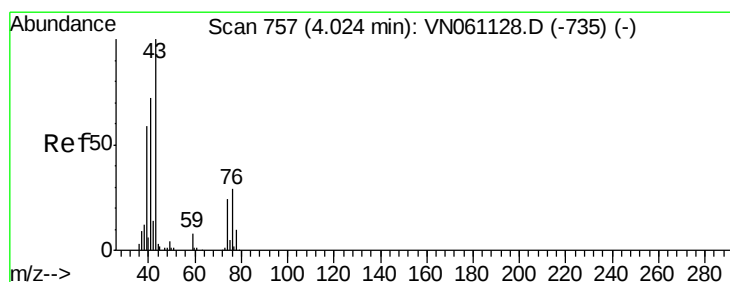
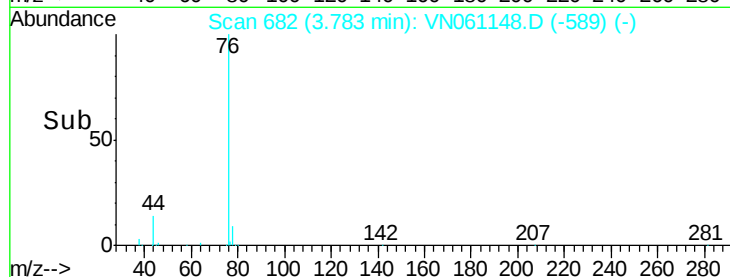
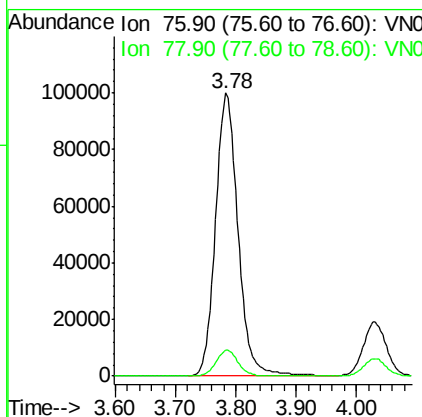
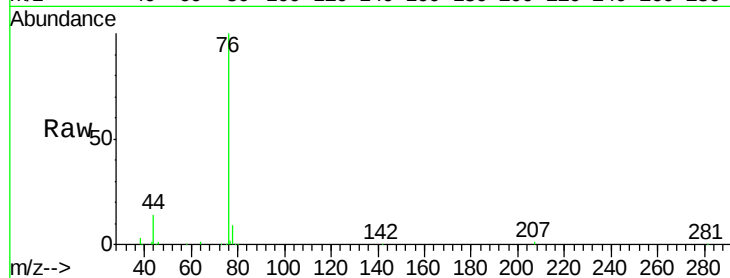
#17
Carbon Disulfide
Concen: 45.731 ug/l
RT: 3.78 min Scan# 682
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

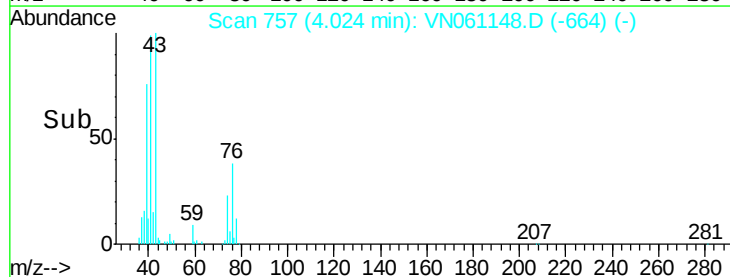
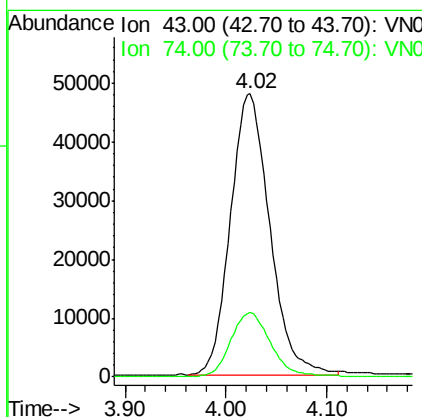
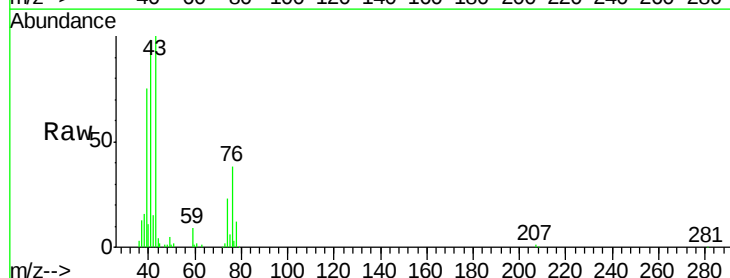
Manual Integrations
APPROVED

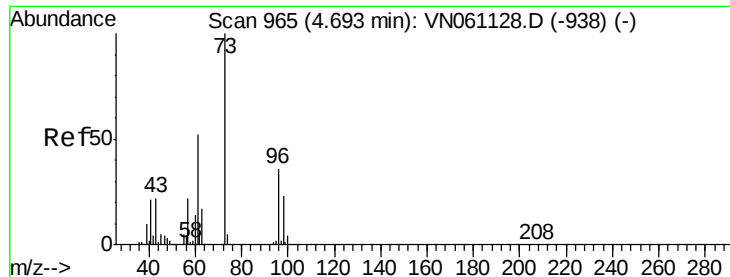
MMDadoda
4/23/2020 11:35:40 AM



#18
Methyl Acetate
Concen: 43.831 ug/l
RT: 4.02 min Scan# 757
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.4	29.0





#19

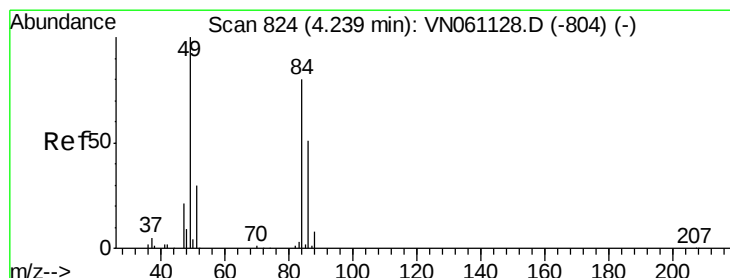
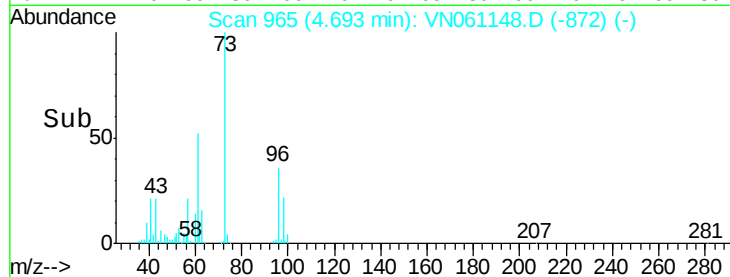
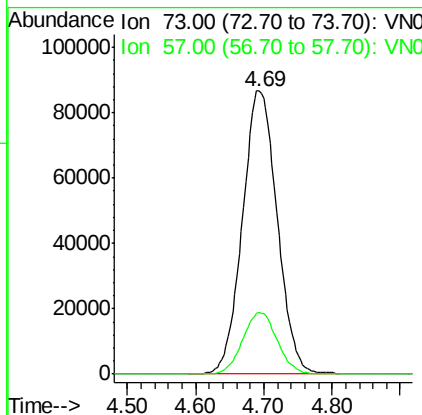
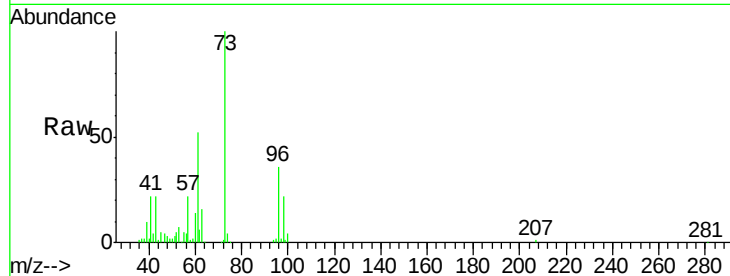
Methyl tert-butyl Ether
 Concen: 46.491 ug/l
 RT: 4.69 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	73	Resp	307339
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.8	26.8

Manual Integrations
 APPROVED

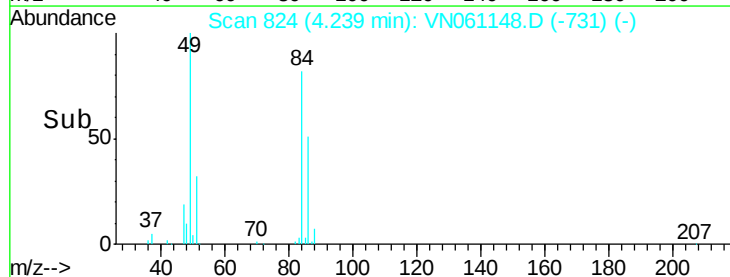
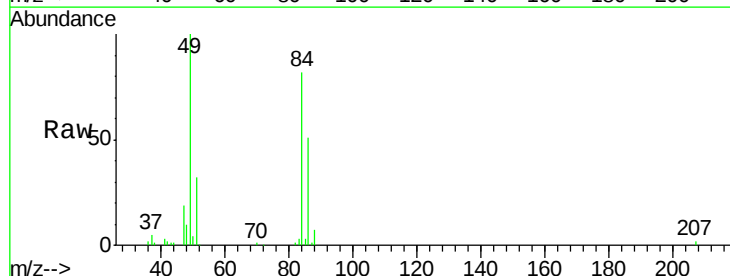
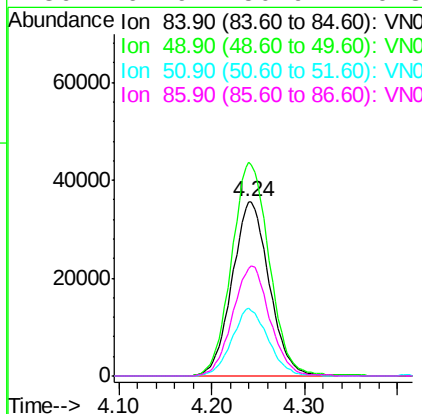
MMDadoda
 4/23/2020 11:35:40 AM

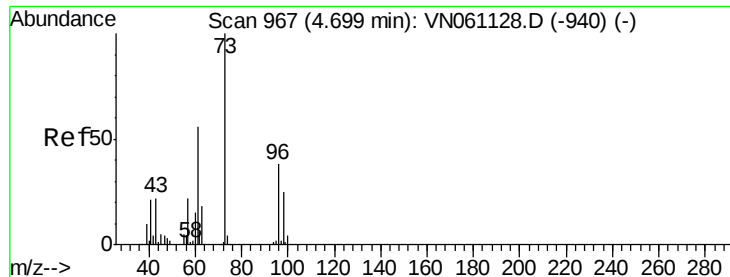


#20

Methylene Chloride
 Concen: 45.568 ug/l
 RT: 4.24 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion	84	Resp	98829
Ion	Ratio	Lower	Upper
84	100		
49	122.3	99.8	149.6
51	38.8	29.9	44.9
86	61.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 43.266 ug/l

RT: 4.70 min Scan# 967

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 97031

Ion Ratio Lower Upper

96 100

61 149.7 116.4 174.6

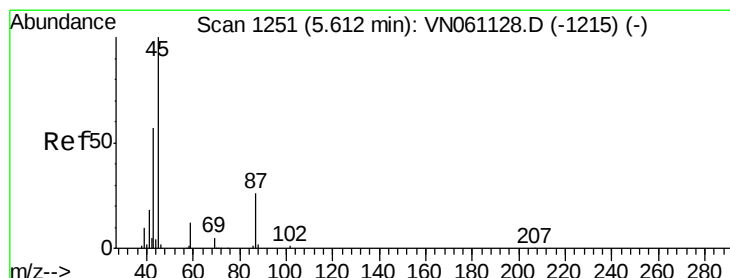
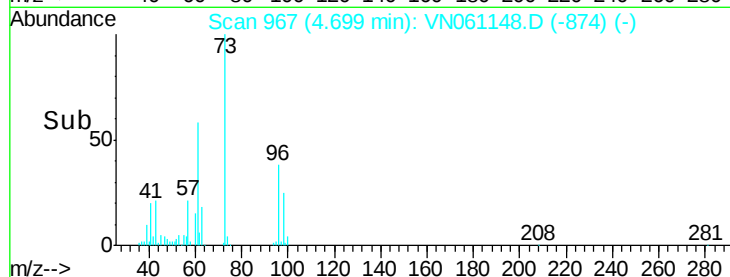
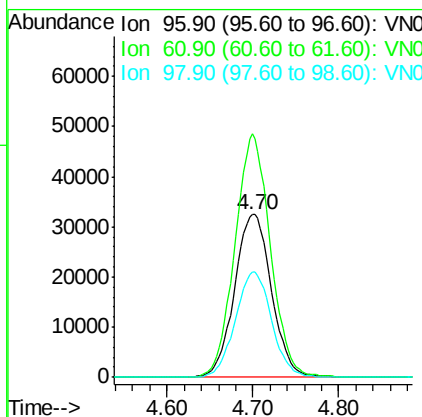
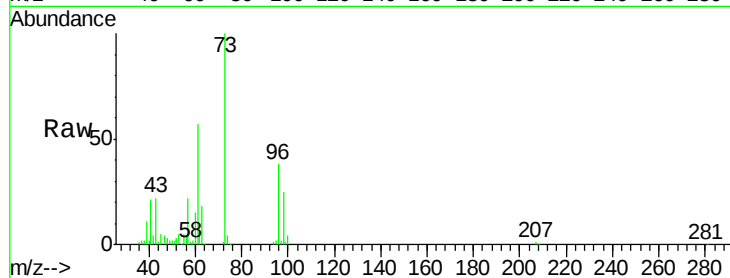
98 65.0 51.4 77.2

Manual Integrations

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MMDadoda

4/23/2020 11:35:40 AM



#22

Diisopropyl ether

Concen: 46.847 ug/l

RT: 5.61 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Tgt Ion: 45 Resp: 320811

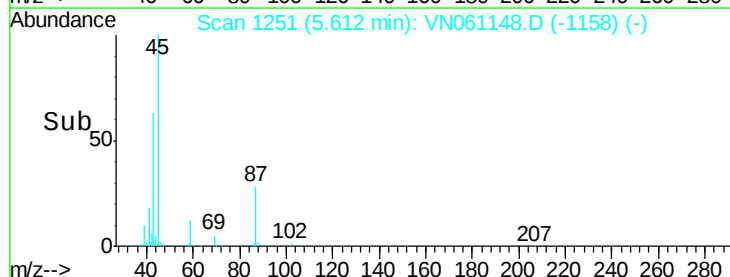
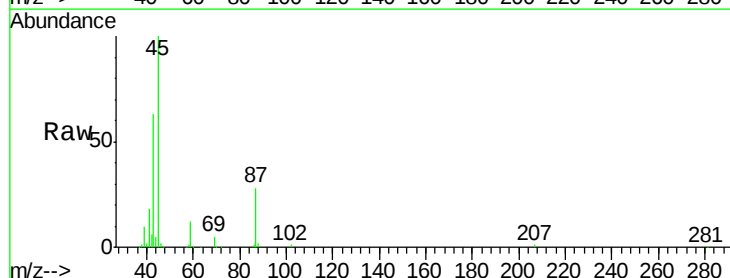
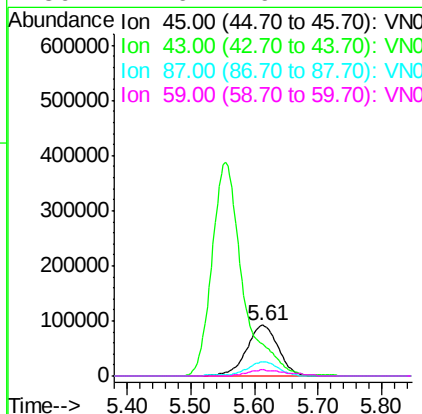
Ion Ratio Lower Upper

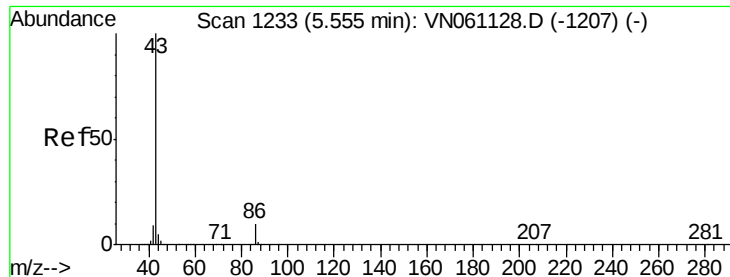
45 100

43 61.7 48.4 72.6

87 28.0 21.4 32.0

59 11.6 9.4 14.2





#23

Vinyl Acetate

Concen: 238.269 ug/l

RT: 5.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1307621

Ion Ratio Lower Upper

43 100

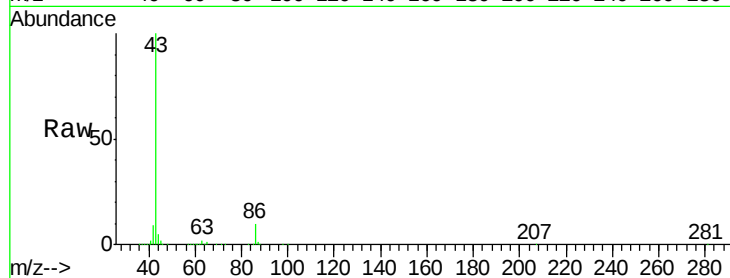
86 10.1 7.8 11.8

Manual Integrations

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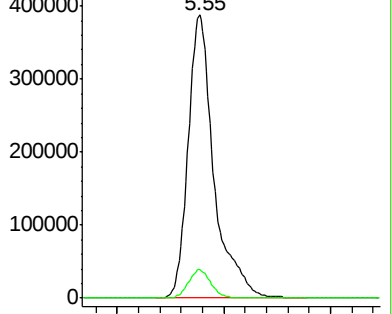
MMDadoda

4/23/2020 11:35:40 AM

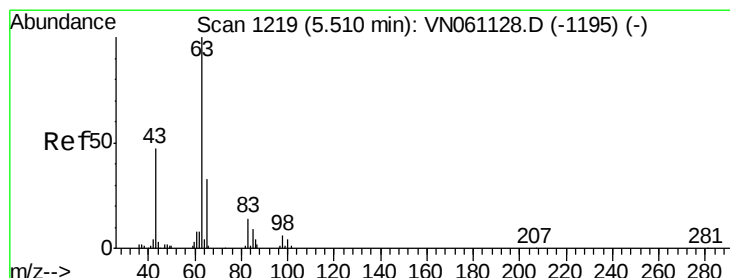
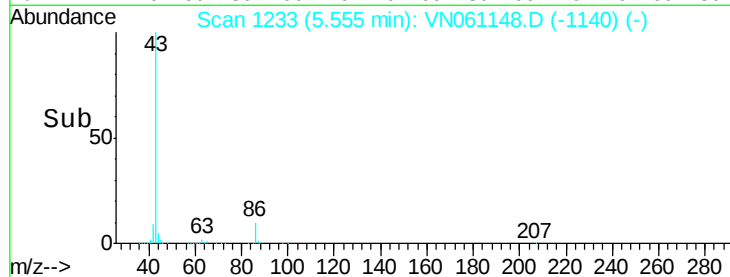


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 47.722 ug/l

RT: 5.51 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

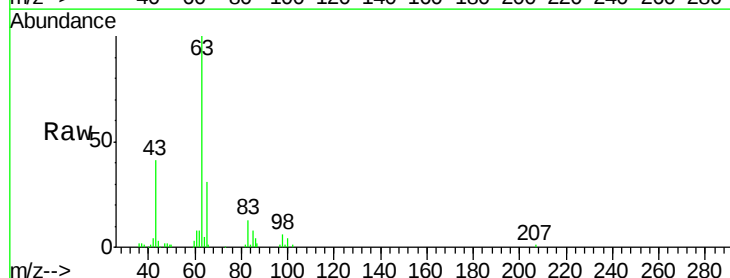
Tgt Ion: 63 Resp: 180838

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

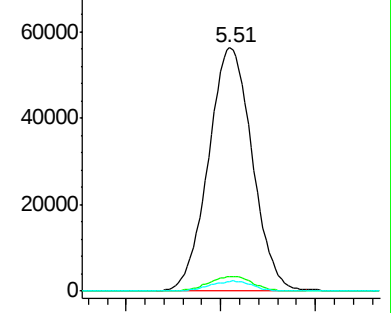
100 4.1 2.0 6.0



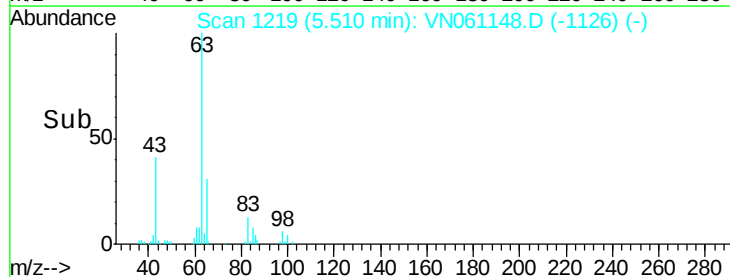
Abundance Ion 62.90 (62.60 to 63.60): VN0

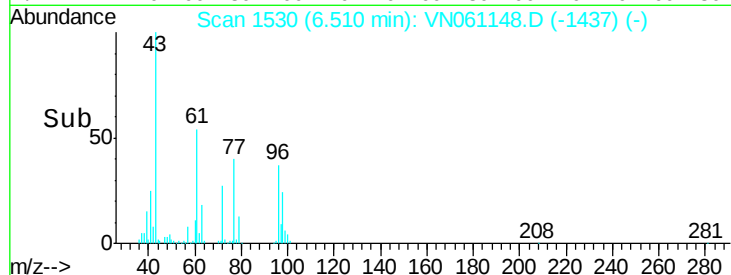
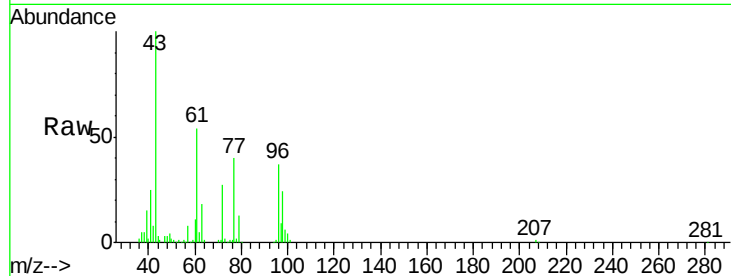
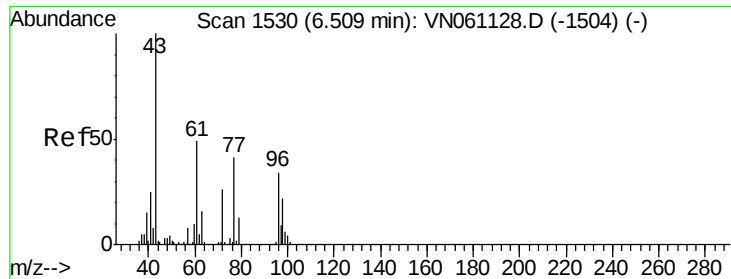
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





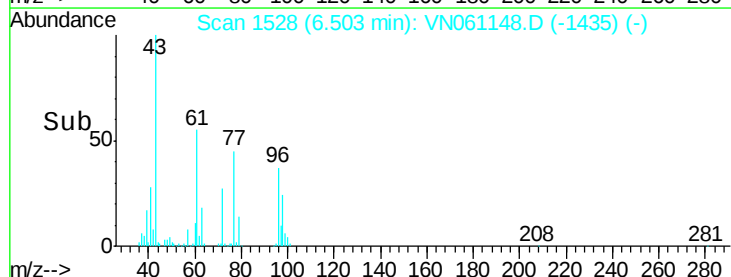
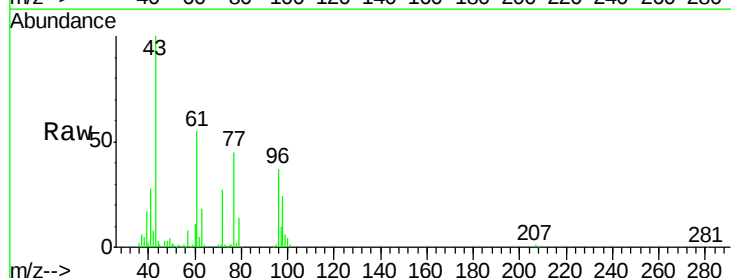
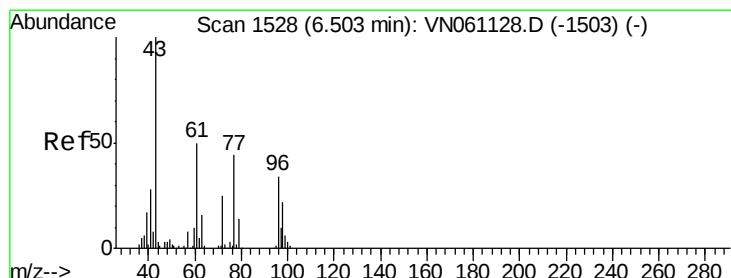
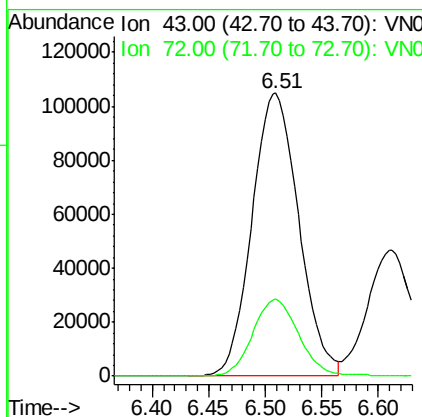
#25
2-Butanone
Concen: 222.894 ug/l
RT: 6.51 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tot Ion: 43 Resp: 301522
Ion Ratio Lower Upper
43 100
72 27.1 20.8 31.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

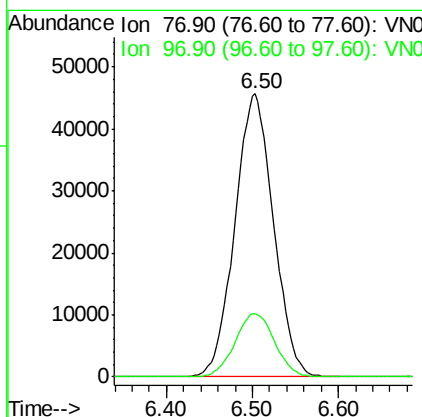
Manual Integrations
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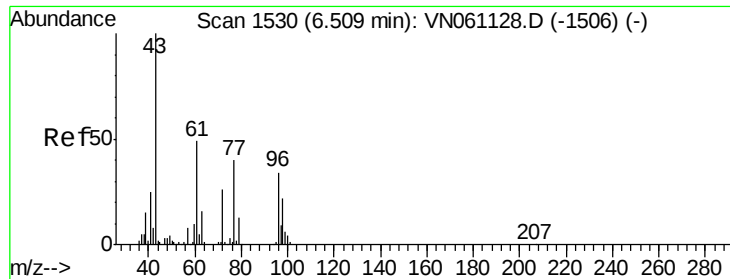
MMDadoda
4/23/2020 11:35:40 AM



#26
2,2-Dichloropropane
Concen: 41.688 ug/l
RT: 6.50 min Scan# 1528
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion: 77 Resp: 142259
Ion Ratio Lower Upper
77 100
97 23.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 44.842 ug/l

RT: 6.51 min Scan# 1529

Delta R.T. -0.00 min

Lab File: VN061148.D

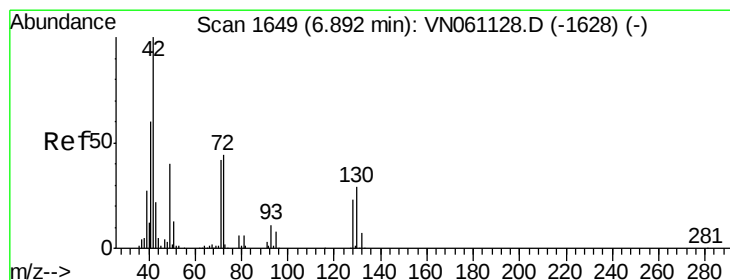
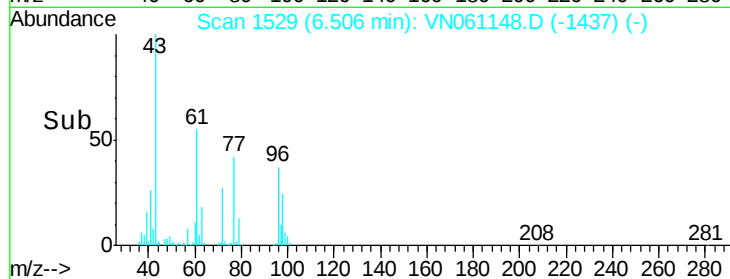
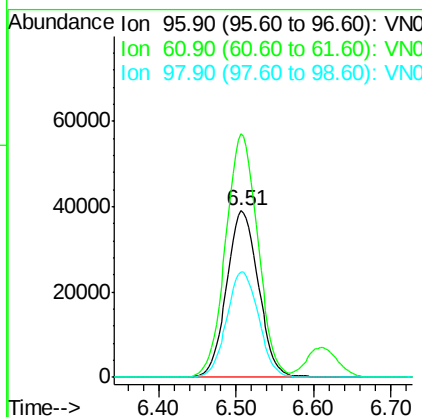
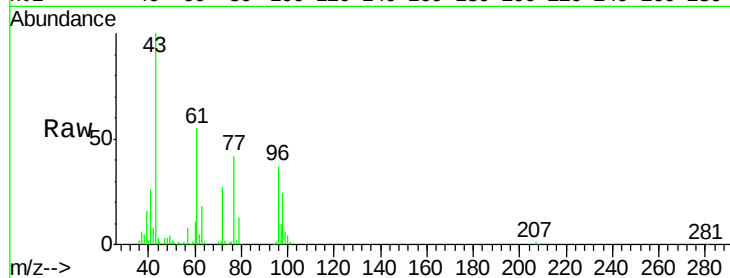
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.1	0.0	300.4	
98	63.6	0.0	129.6	

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4/23/2020 11:35:40 AM



#28

Bromochloromethane

Concen: 50.763 ug/l

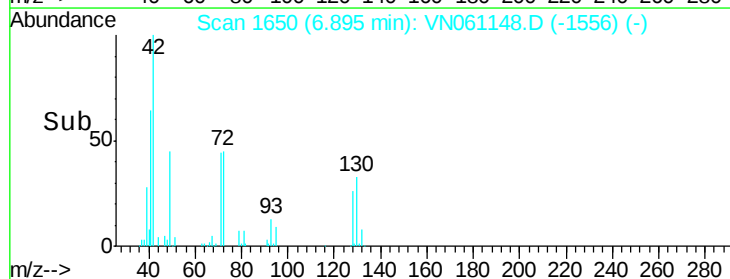
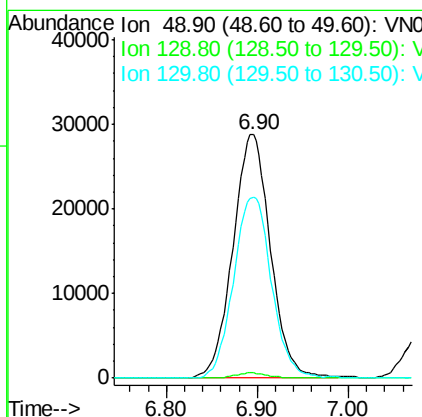
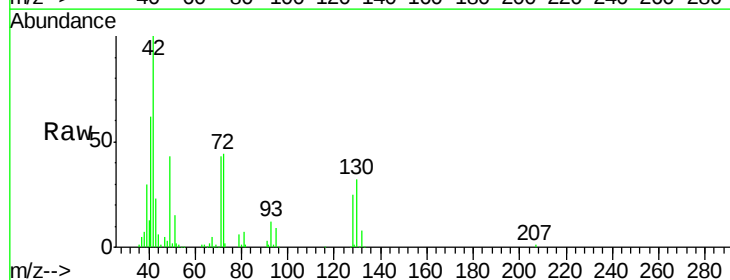
RT: 6.90 min Scan# 1650

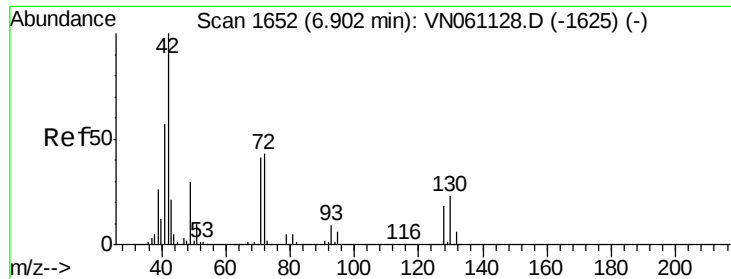
Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	2.2	
130	74.7	59.7	89.5	





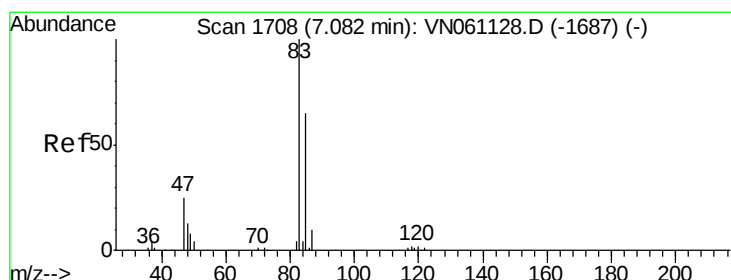
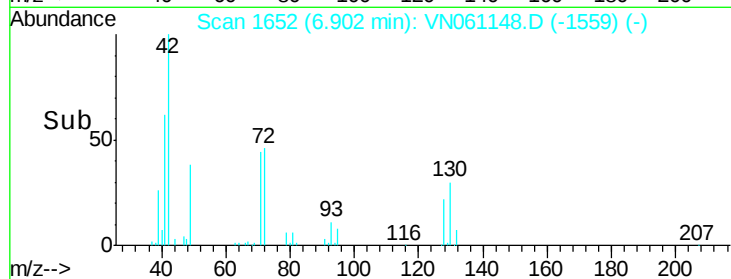
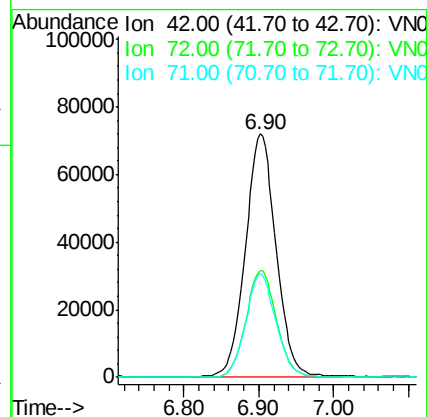
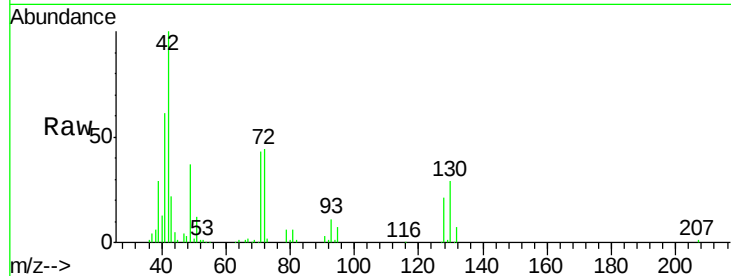
#29
Tetrahydrofuran
Concen: 220.828 ug/l
RT: 6.90 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.1	52.7
71	41.7	33.0	49.6

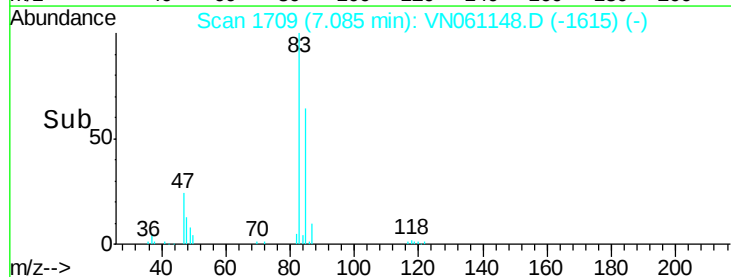
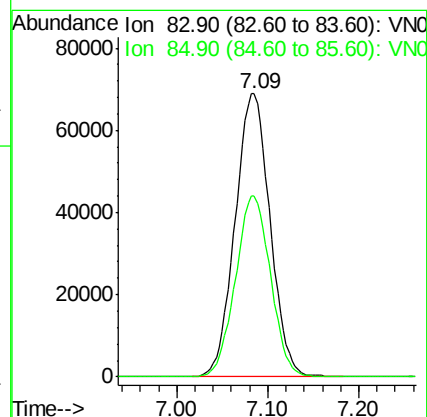
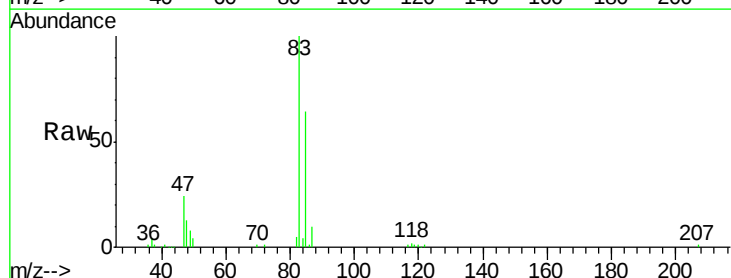
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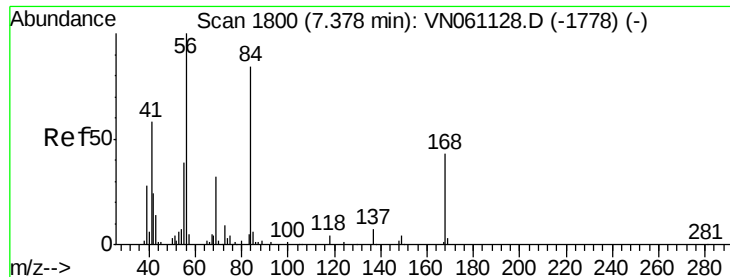
MMDadoda
4/23/2020 11:35:40 AM



#30
Chloroform
Concen: 47.953 ug/l
RT: 7.09 min Scan# 1709
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4





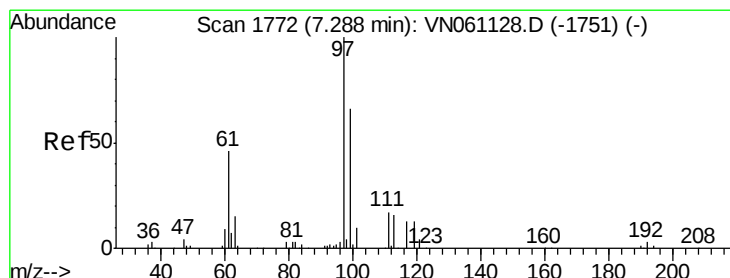
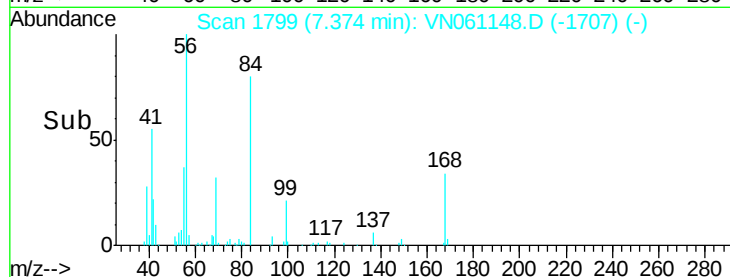
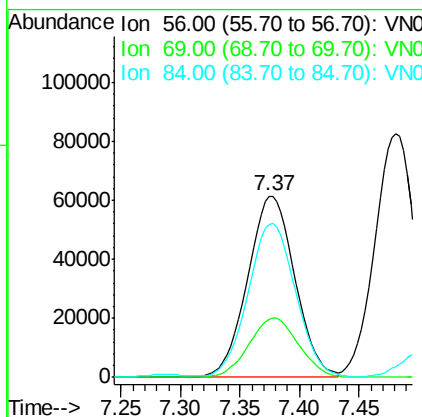
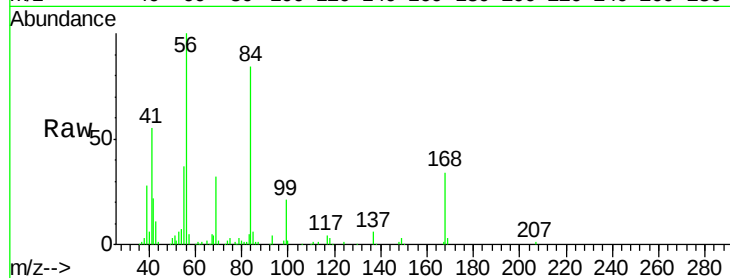
#31
Cyclohexane
Concen: 44.281 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.9	38.9
84	83.6	67.4	101.0

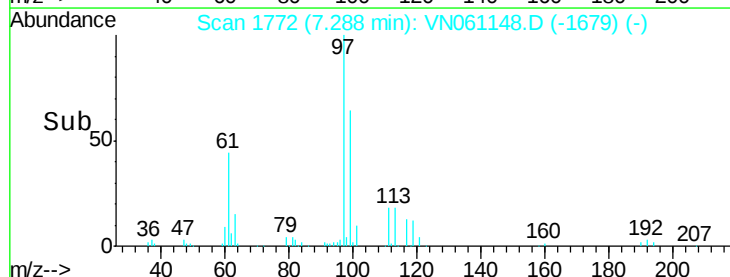
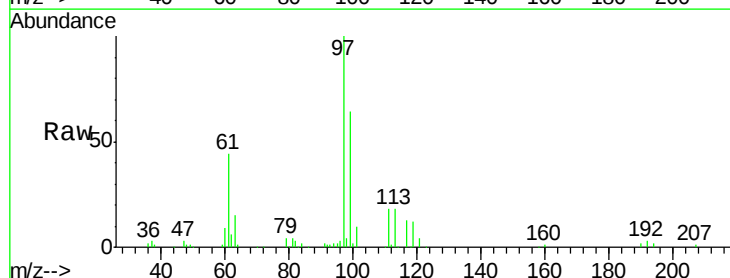
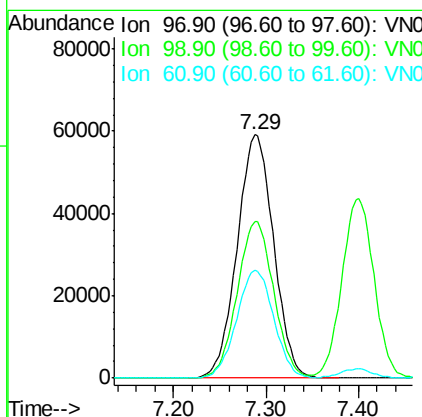
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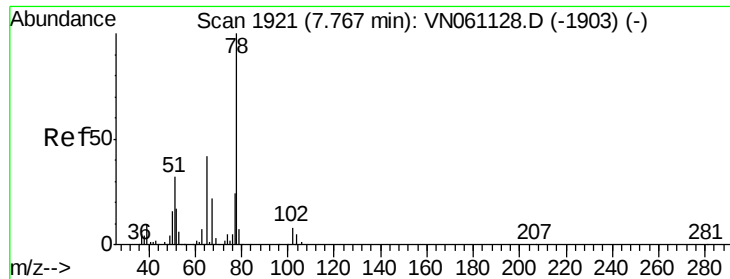
MMDadoda
4/23/2020 11:35:40 AM



#32
1,1,1-Trichloroethane
Concen: 47.243 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	45.0	35.9	53.9





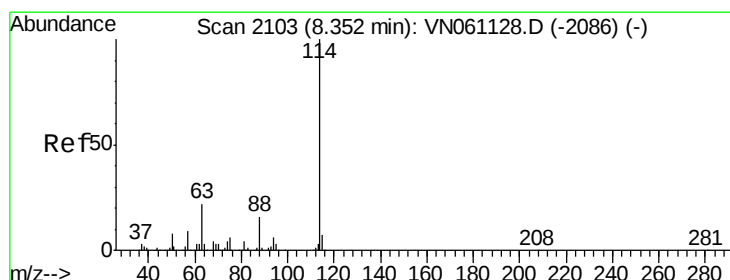
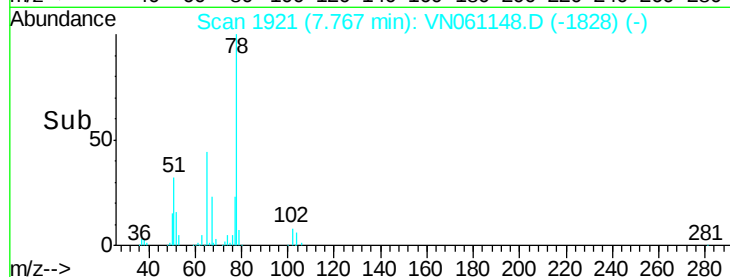
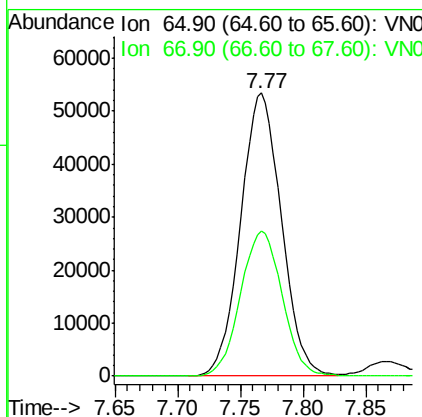
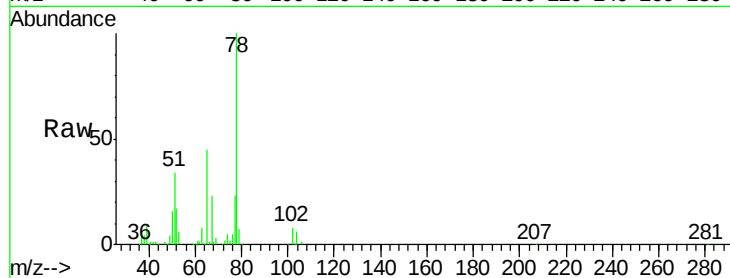
#33
 1,2-Dichloroethane-d4
 Concen: 48.692 ug/l
 RT: 7.77 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.8

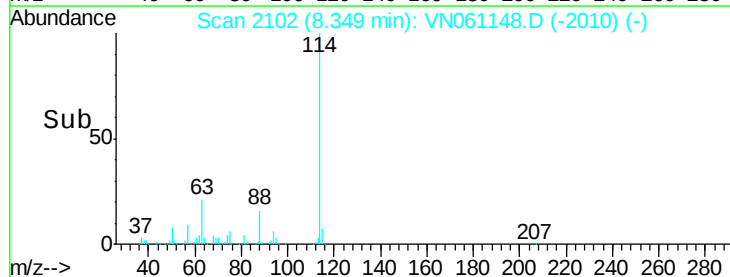
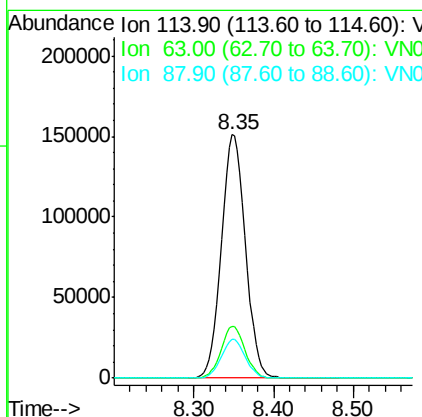
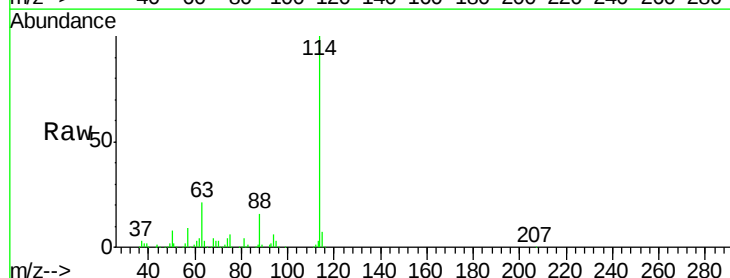
Manual Integrations
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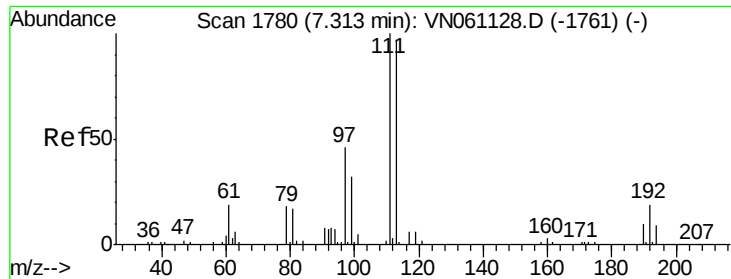
MMDadoda
 4/23/2020 11:35:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.35 min Scan# 2102
 Delta R.T. -0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.2
88	16.0	0.0	32.4





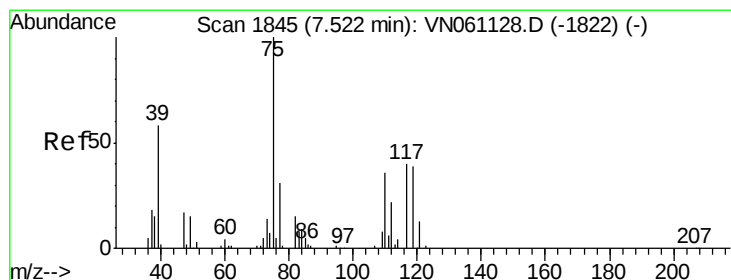
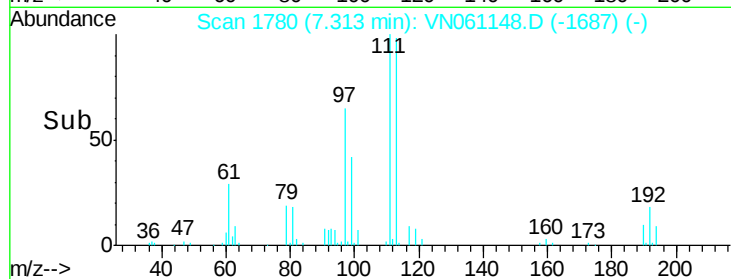
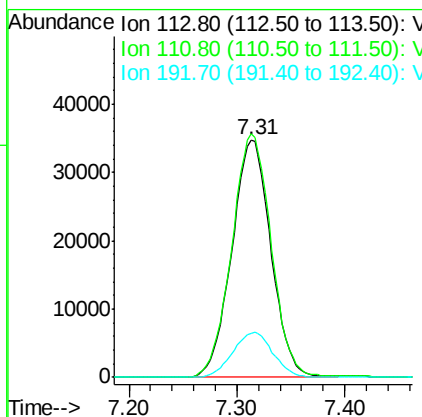
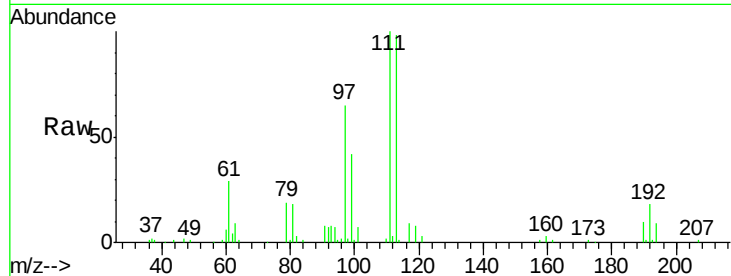
#35
 Dibromofluoromethane
 Concen: 49.096 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.0	124.6
192	19.3	15.8	23.6

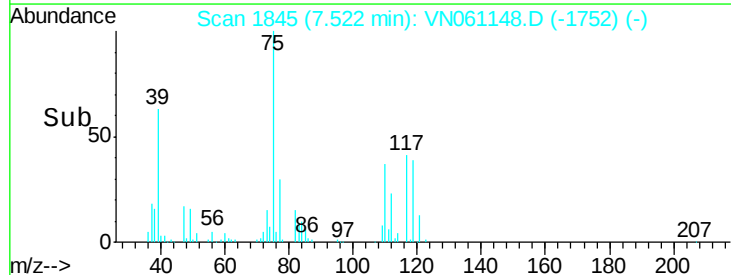
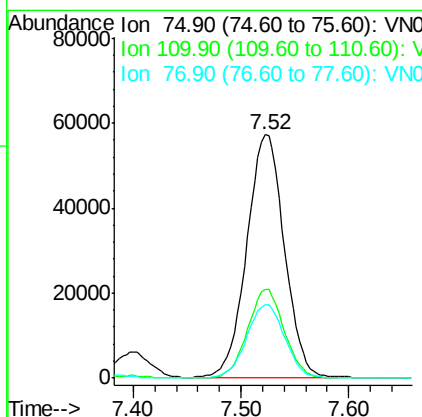
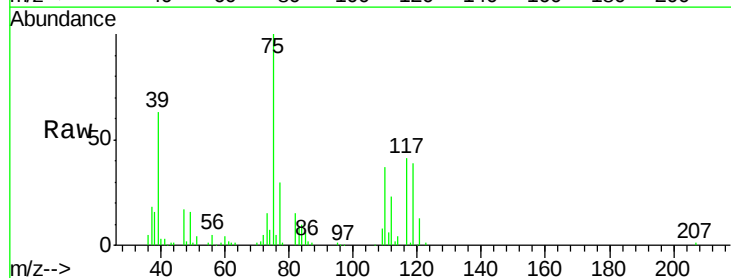
Manual Integrations
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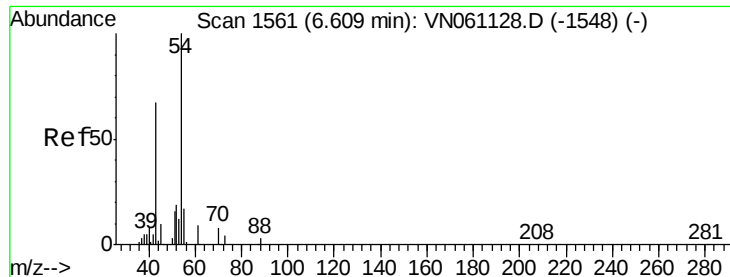
MMDadoda
 4/23/2020 11:35:40 AM



#36
 1,1-Dichloropropene
 Concen: 45.081 ug/l
 RT: 7.52 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.7	53.1
77	31.0	24.8	37.2





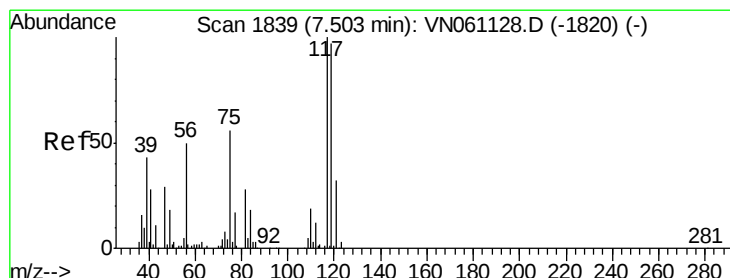
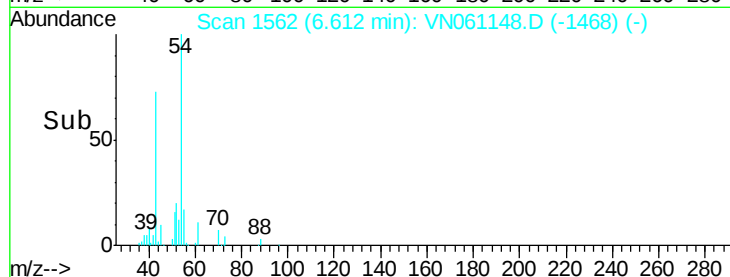
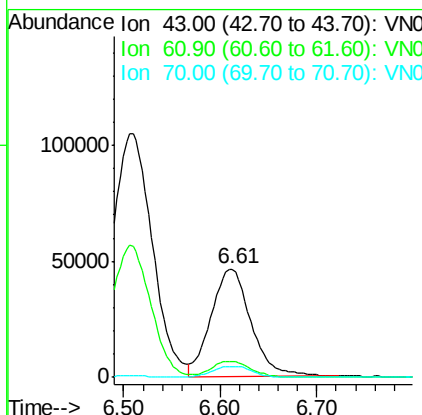
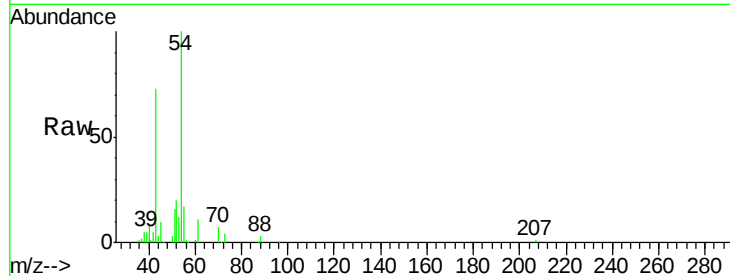
#37
Ethyl Acetate
Concen: 43.390 ug/l
RT: 6.61 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	133095
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	10.3	8.2	12.4

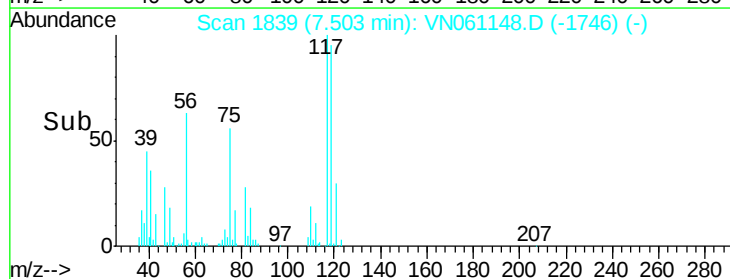
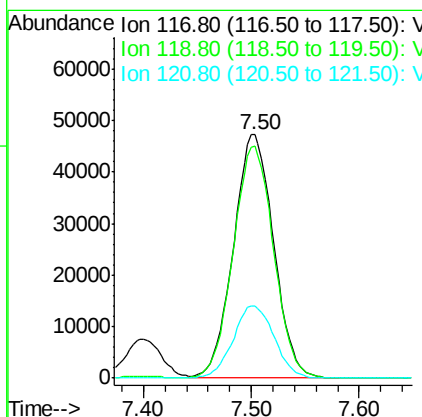
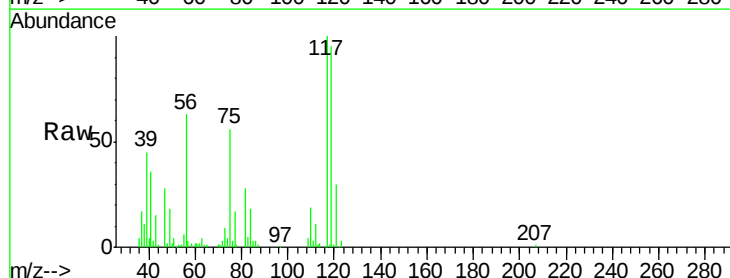
Manual Integrations
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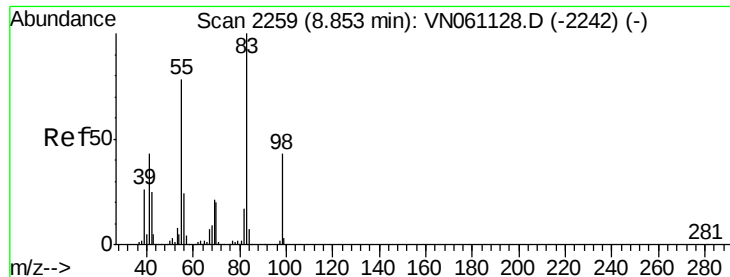
MMDadoda
4/23/2020 11:35:40 AM



#38
Carbon Tetrachloride
Concen: 45.779 ug/l
RT: 7.50 min Scan# 1839
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	117	Resp	122656
Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.9	115.3
121	29.7	25.0	37.6





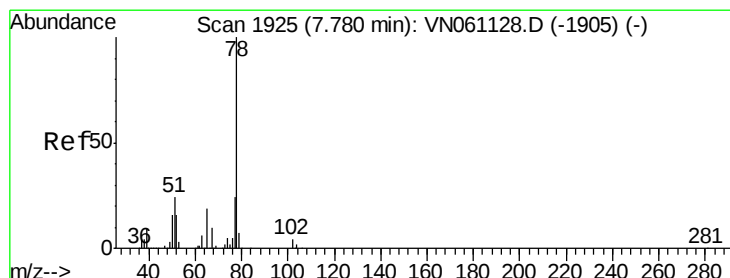
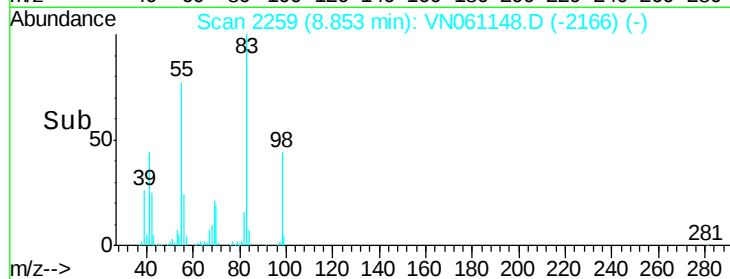
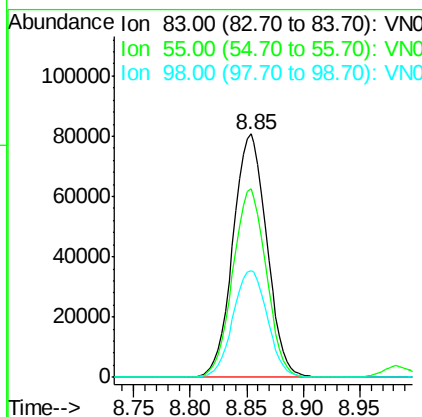
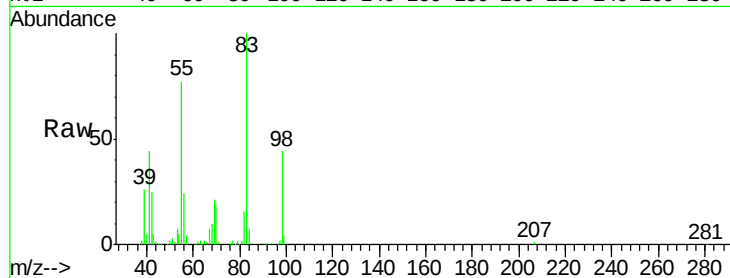
#39
Methvlcvclohexane
Concen: 44.945 ug/l
RT: 8.85 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.2	93.4
98	44.1	34.7	52.1

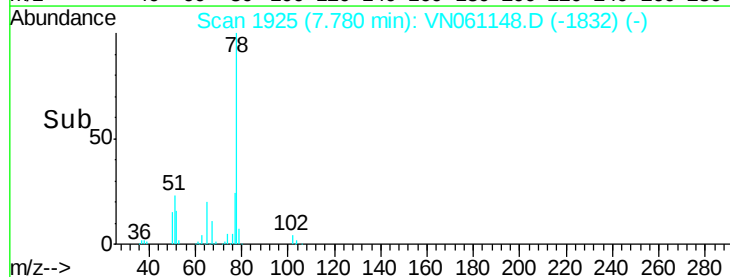
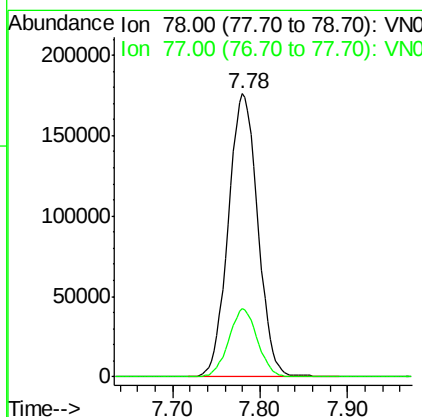
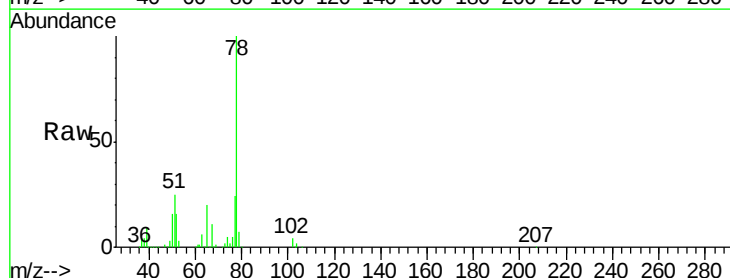
Manual Integrations
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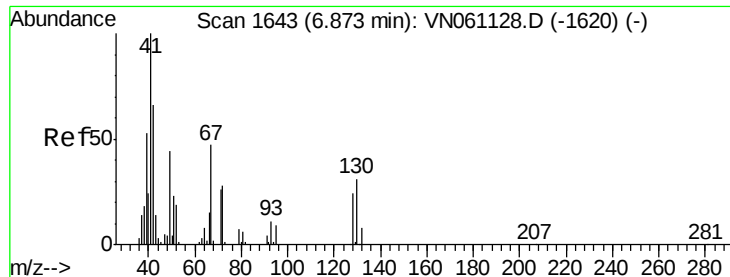
MMDadoda
4/23/2020 11:35:40 AM



#40
Benzene
Concen: 45.463 ug/l
RT: 7.78 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





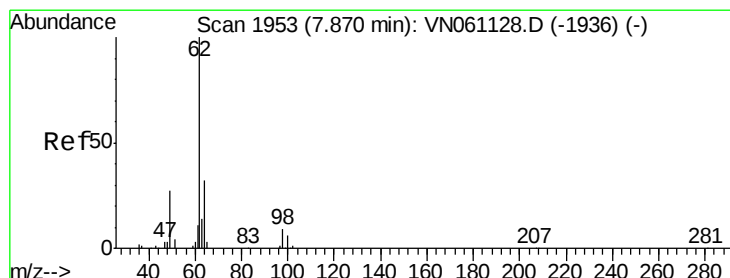
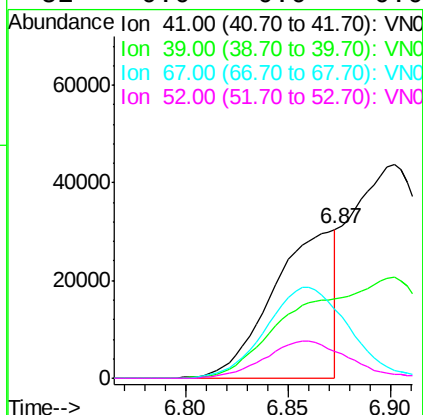
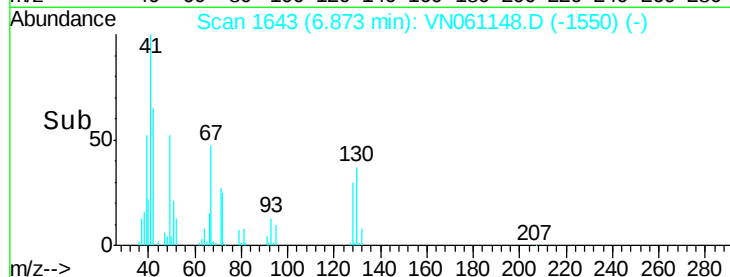
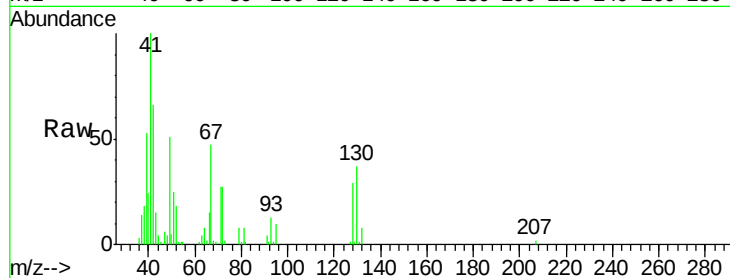
#41
Methacrylonitrile
Concen: 44.392 ug/l m
RT: 6.87 min Scan# 1643
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	64647
Ion	Ratio	Lower	Upper
41	100		
39	147.7	119.4	179.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

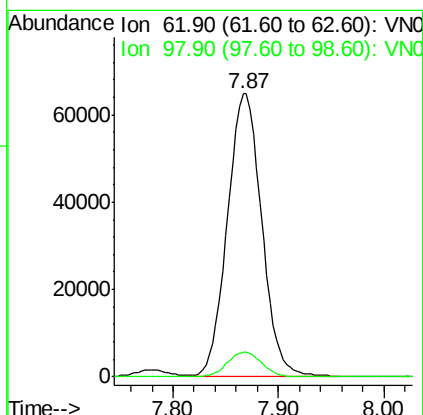
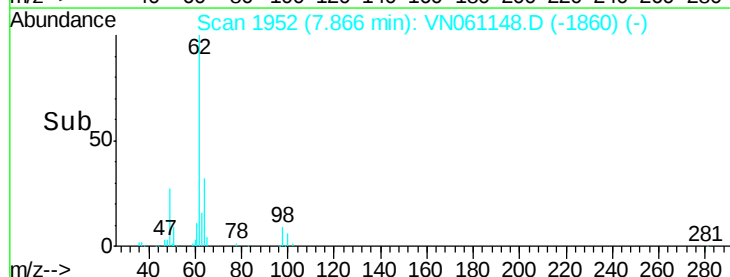
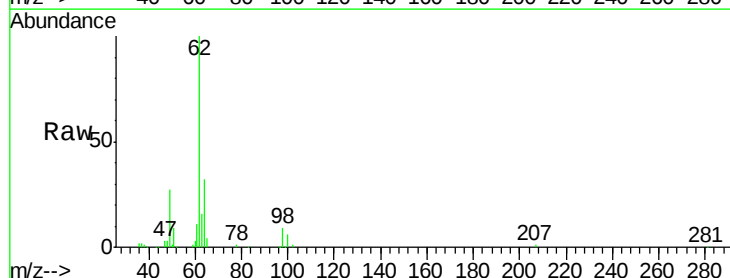
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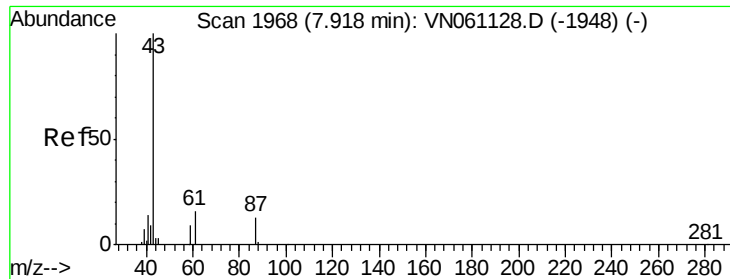
MMDadoda
4/23/2020 11:35:40 AM



#42
1,2-Dichloroethane
Concen: 45.232 ug/l
RT: 7.87 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	62	Resp	146058
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0





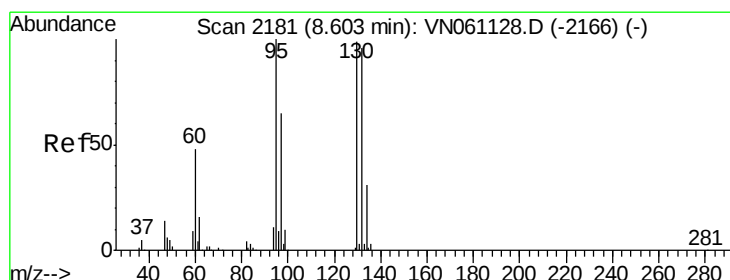
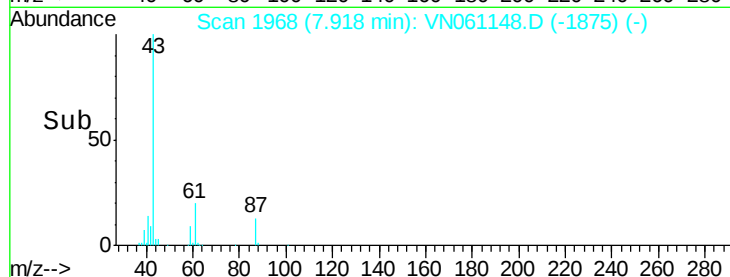
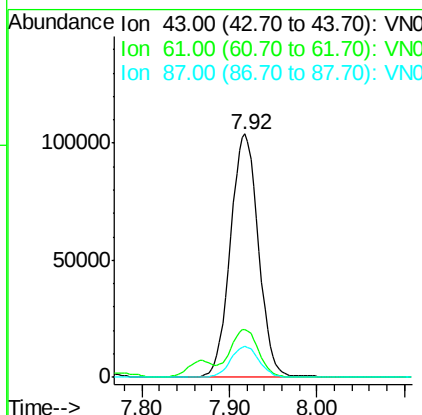
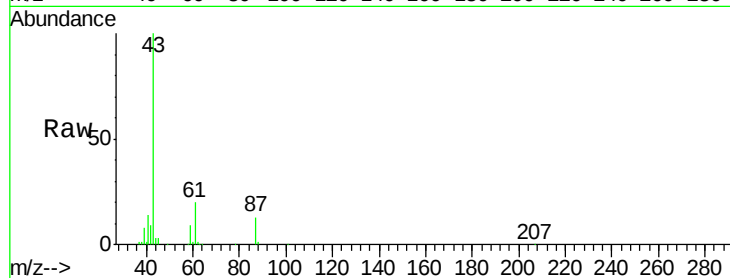
#43
Isopropyl Acetate
Concen: 44.488 ug/l
RT: 7.92 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.5	23.3
87	12.9	10.2	15.4

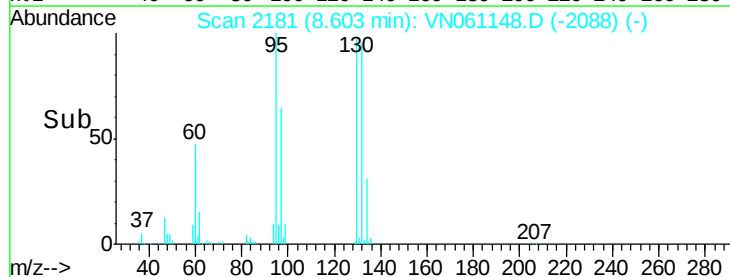
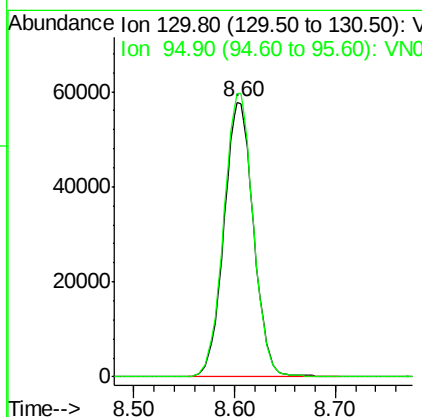
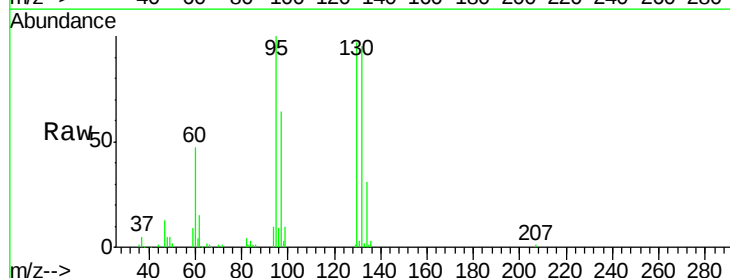
Manual Integrations
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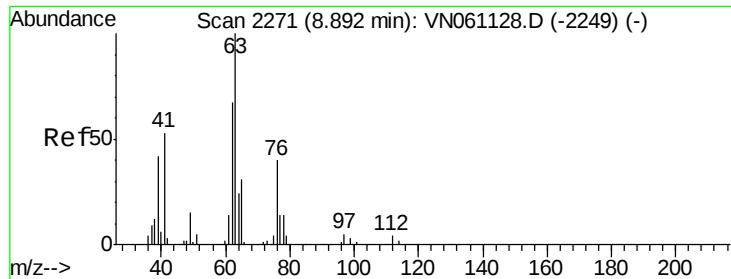
MMDadoda
4/23/2020 11:35:40 AM



#44
Trichloroethene
Concen: 44.725 ug/l
RT: 8.60 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	202.6





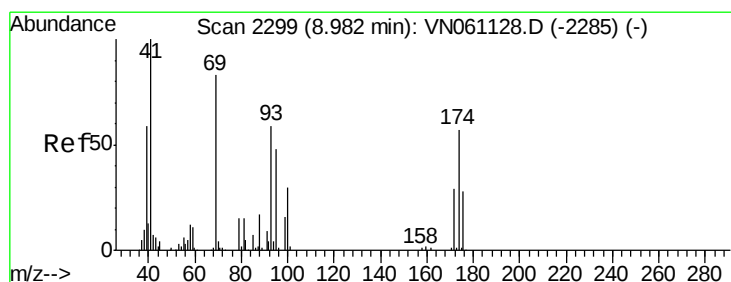
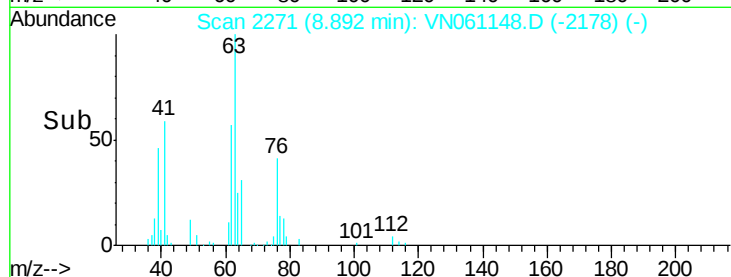
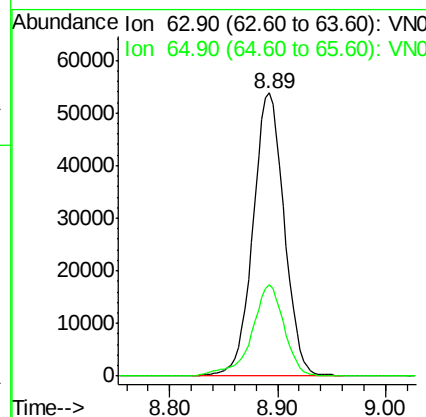
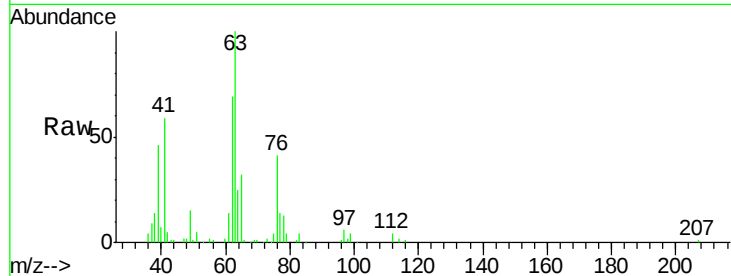
#45
 1,2-Dichloropropane
 Concen: 45.069 ug/l
 RT: 8.89 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 108061
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.7 37.1

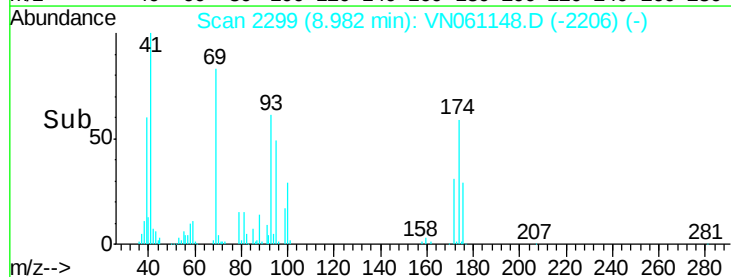
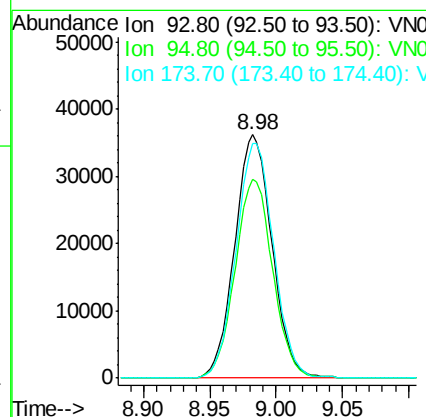
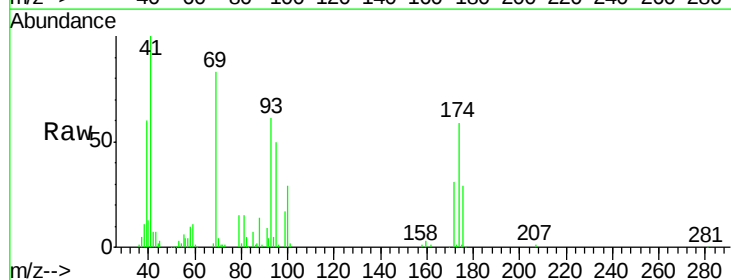
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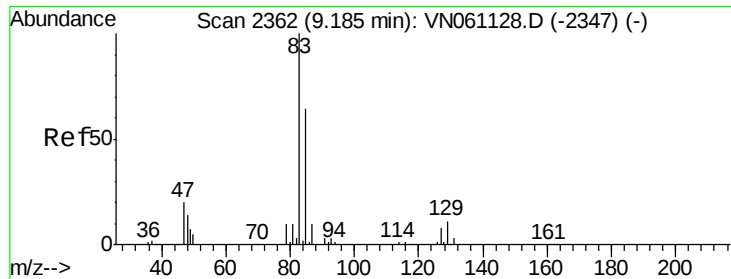
MMDadoda
 4/23/2020 11:35:40 AM



#46
 Dibromomethane
 Concen: 45.980 ug/l
 RT: 8.98 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion: 93 Resp: 70646
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.0 97.4
 174 97.5 77.8 116.6





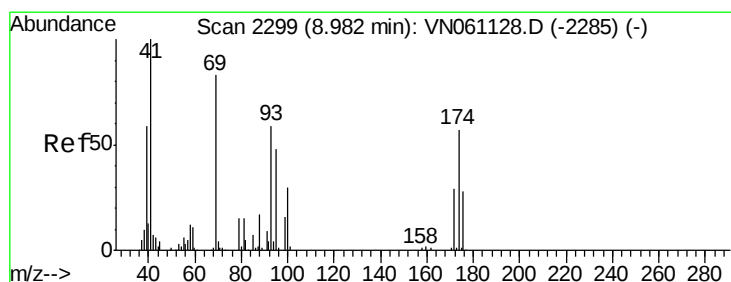
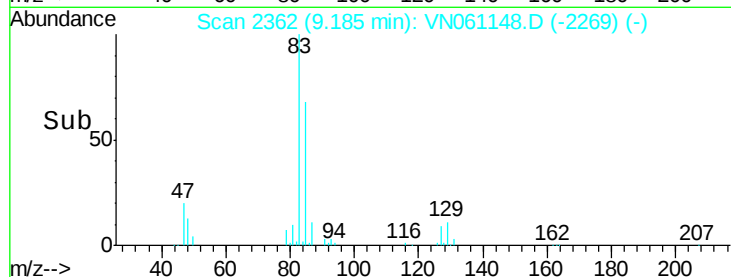
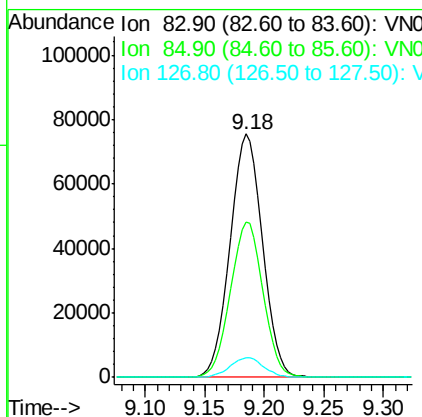
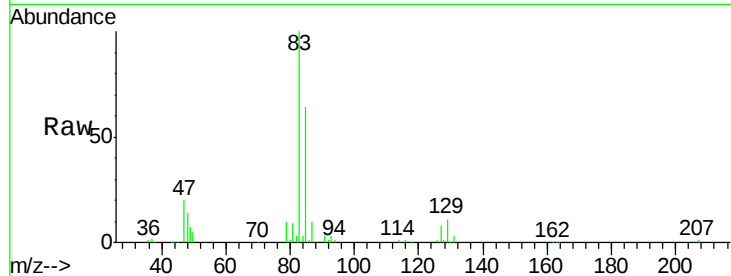
#47
Bromodichloromethane
Concen: 47.167 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	142851		
85	64.0		51.4	77.2
127	8.2		6.6	10.0

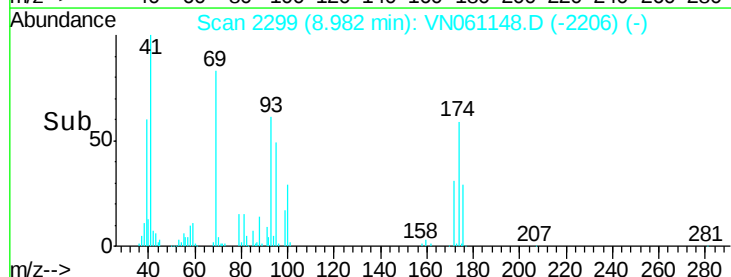
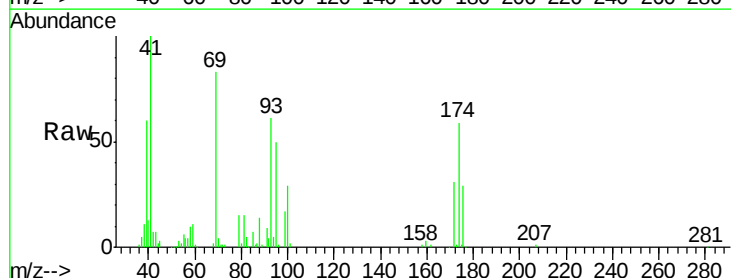
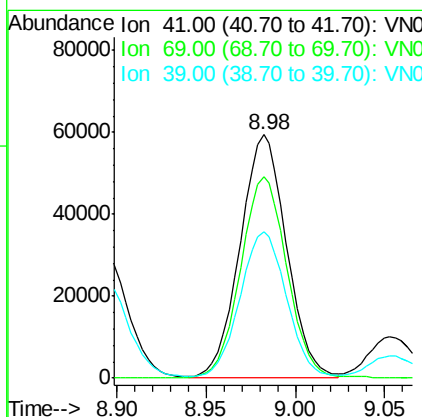
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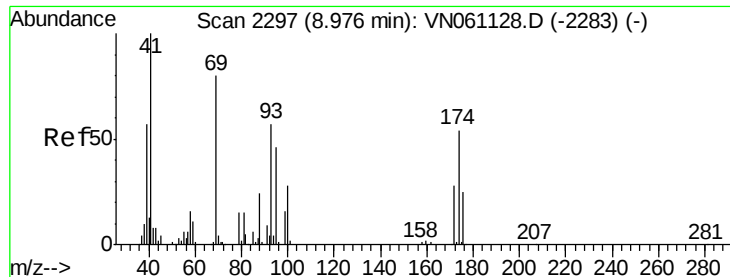
MMDadoda
4/23/2020 11:35:40 AM



#48
Methyl methacrylate
Concen: 43.982 ug/l
RT: 8.98 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	107884		
69	82.9		65.4	98.2
39	60.9		47.8	71.6





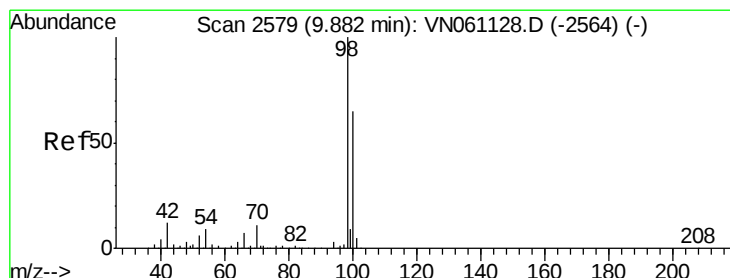
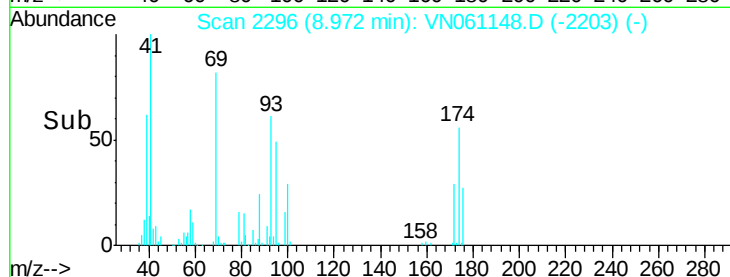
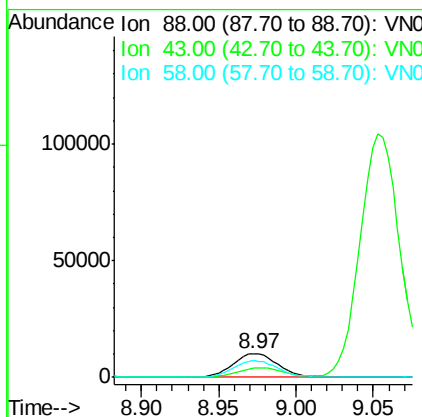
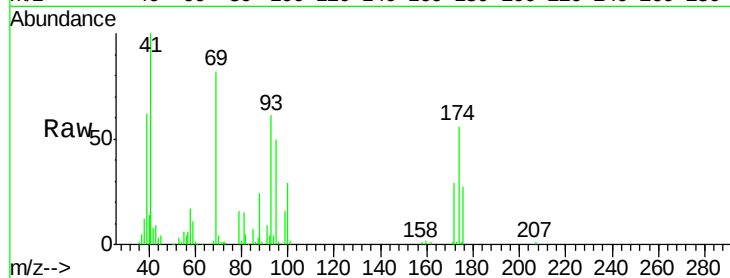
#49
 1,4-Dioxane
 Concen: 779.935 ug/l
 RT: 8.97 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	29.0	43.4
58	70.5	57.8	86.6

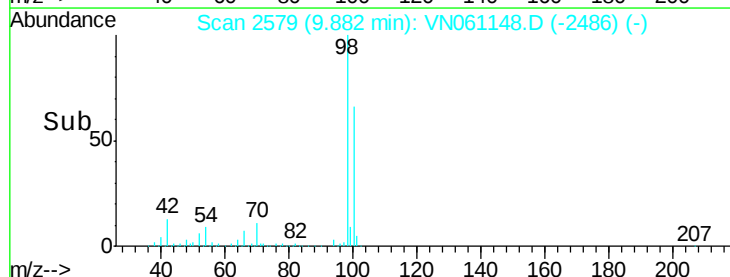
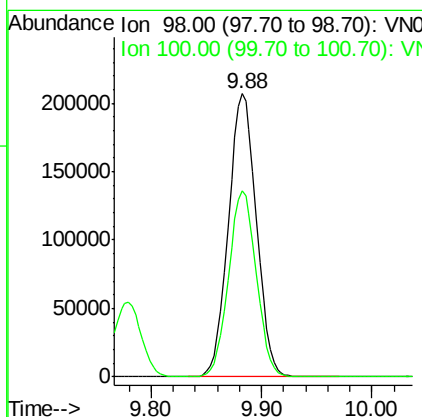
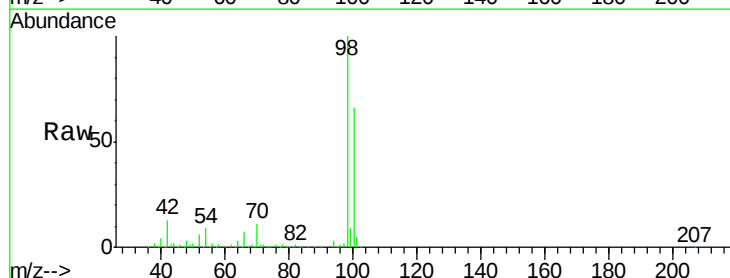
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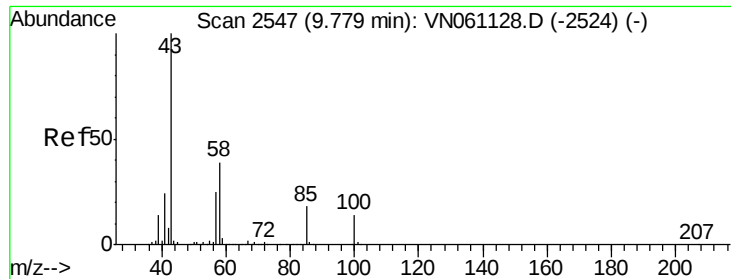
MMDadoda
 4/23/2020 11:35:40 AM



#50
 Toluene-d8
 Concen: 47.492 ug/l
 RT: 9.88 min Scan# 2579
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 220.525 ug/l

RT: 9.78 min Scan# 2546

Delta R.T. -0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 670562

Ion Ratio Lower Upper

43 100

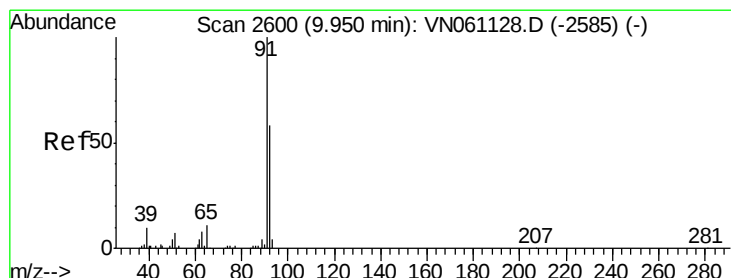
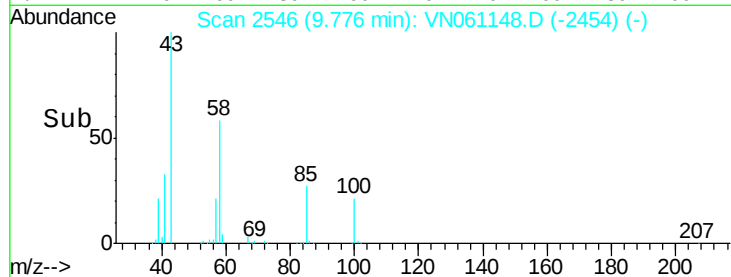
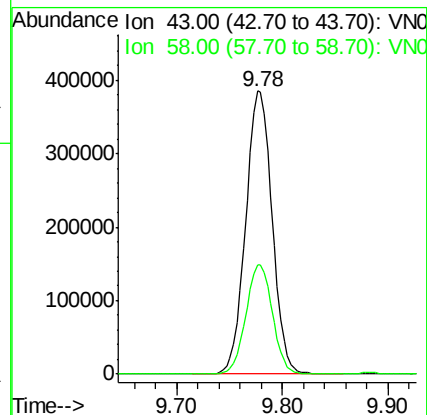
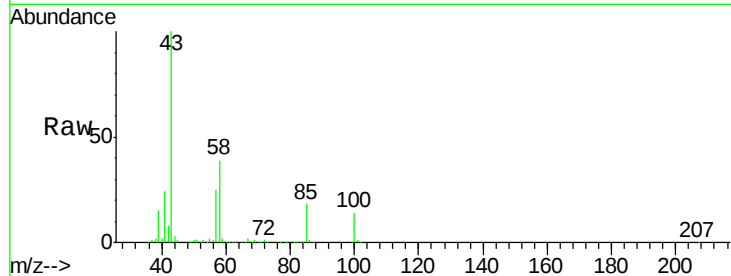
58 38.9 31.0 46.6

Manual Integrations

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4/23/2020 11:35:40 AM



#52

Toluene

Concen: 45.457 ug/l

RT: 9.95 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VN061148.D

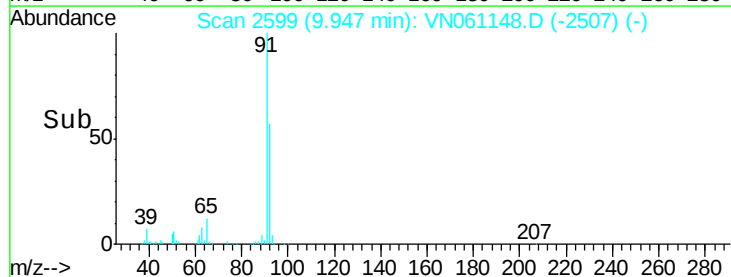
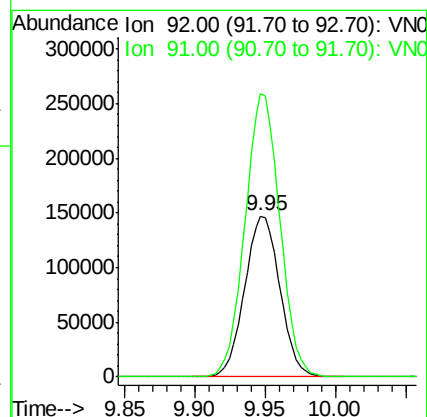
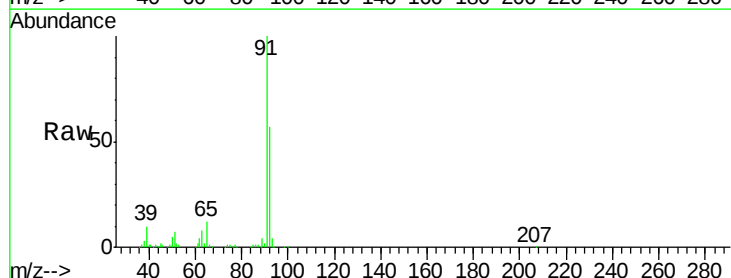
Acq: 22 Apr 2020 23:18

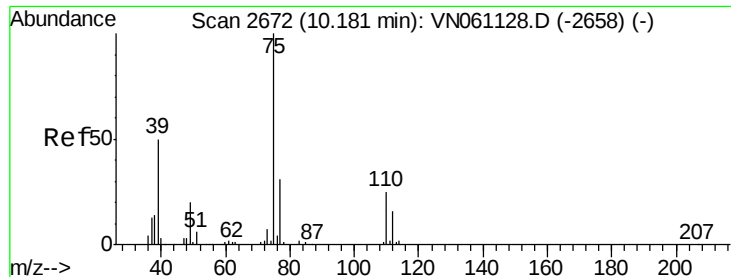
Tgt Ion: 92 Resp: 257884

Ion Ratio Lower Upper

92 100

91 174.2 138.3 207.5





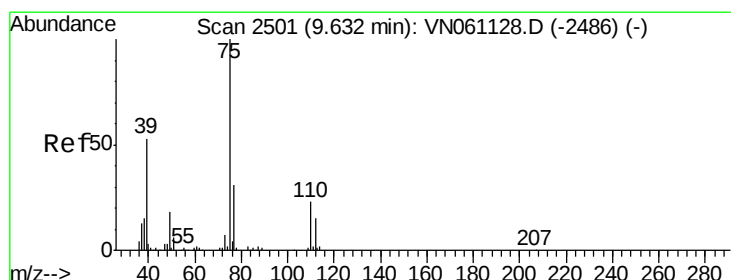
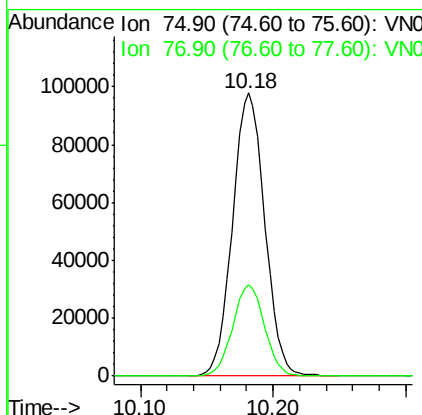
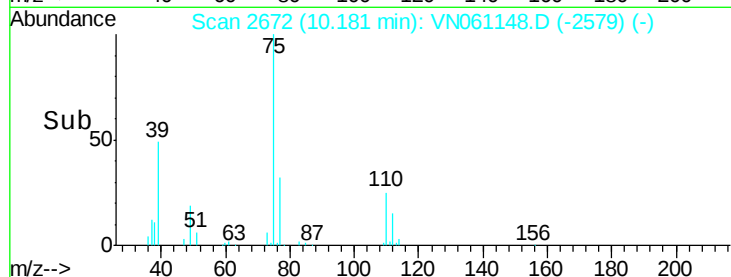
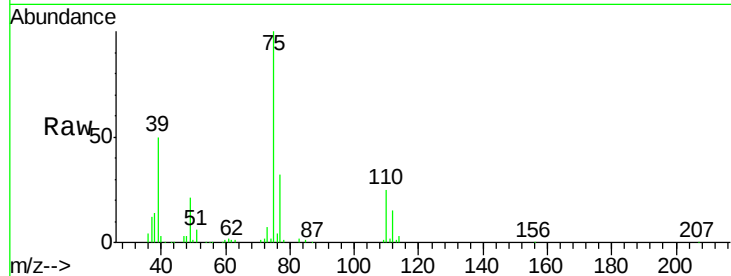
#53
t-1,3-Dichloropropene
Concen: 44.442 ug/l
RT: 10.18 min Scan# 2672
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 164707
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7

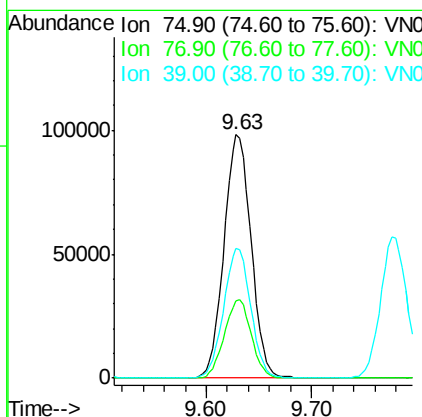
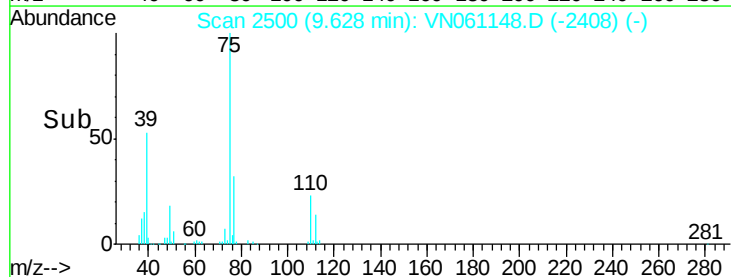
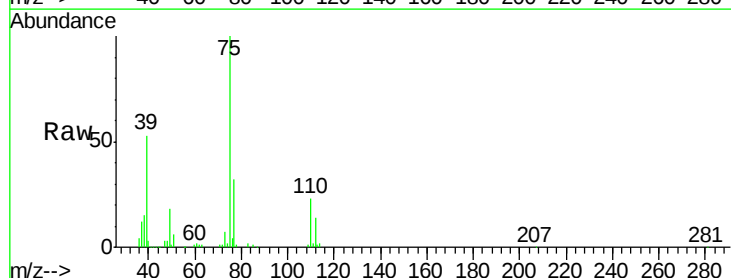
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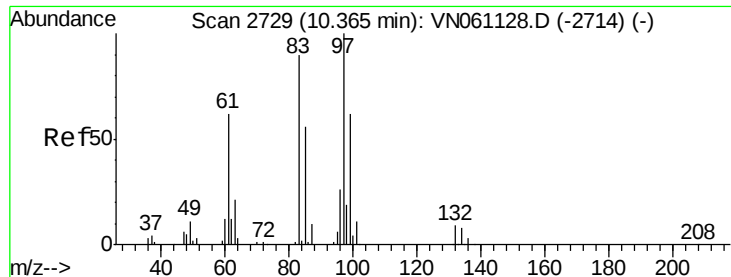
MMDadoda
4/23/2020 11:35:40 AM



#54
cis-1,3-Dichloropropene
Concen: 45.271 ug/l
RT: 9.63 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion: 75 Resp: 174545
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 53.4 42.1 63.1





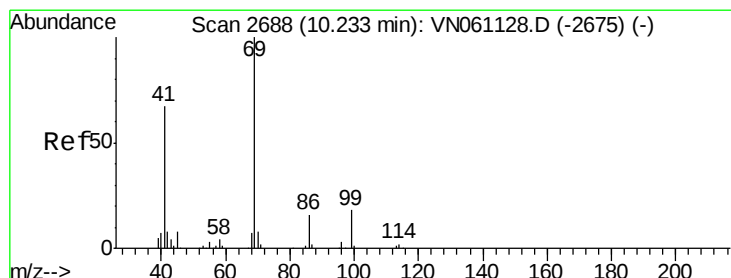
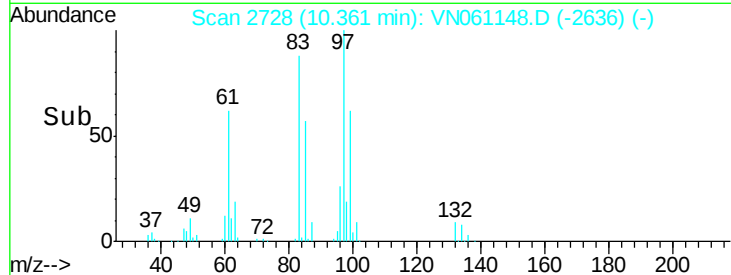
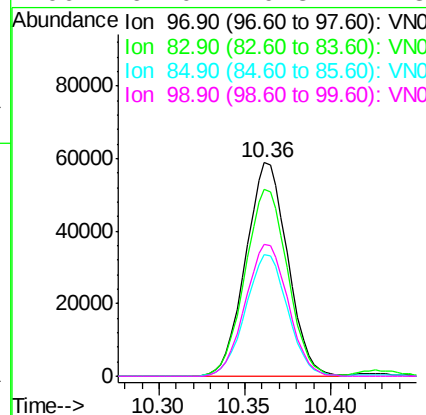
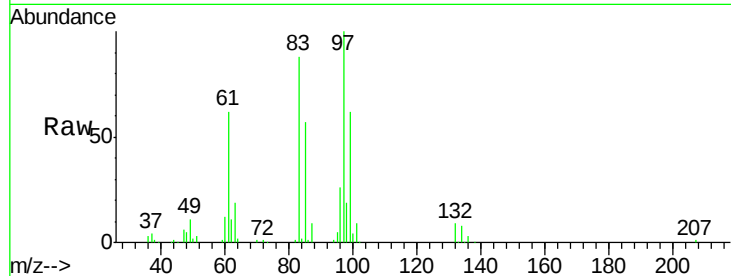
#55
 1,1,2-Trichloroethane
 Concen: 45.663 ug/l
 RT: 10.36 min Scan# 2728
 Delta R.T. -0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	99811
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.8	107.6
85	56.7	45.0	67.6
99	62.0	49.8	74.8

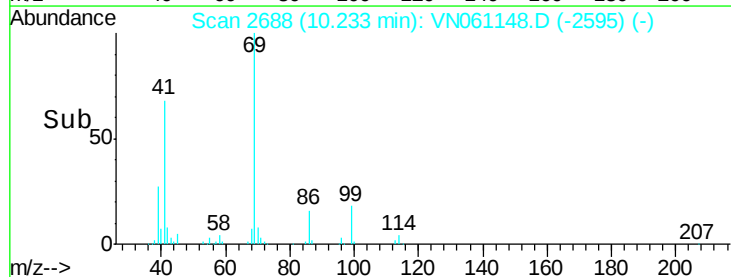
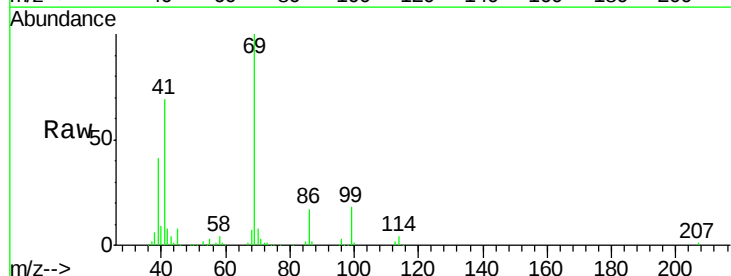
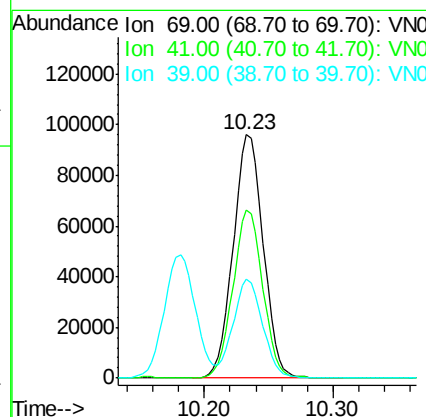
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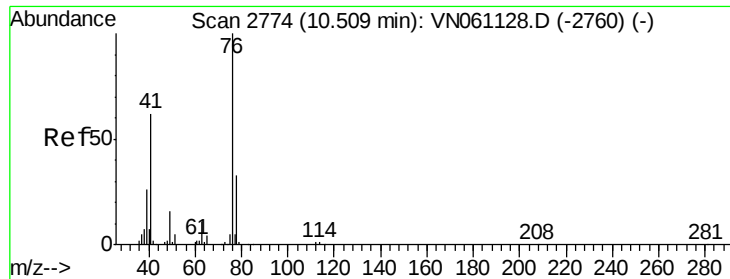
MMDadoda
 4/23/2020 11:35:40 AM



#56
 Ethyl methacrylate
 Concen: 46.679 ug/l
 RT: 10.23 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion:	69	Resp:	155473
Ion	Ratio	Lower	Upper
69	100		
41	68.0	54.0	81.0
39	39.9	31.4	47.0





#57

1,3-Dichloropropane

Concen: 45.848 ug/l

RT: 10.51 min Scan# 2773

Delta R.T. -0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 170081

Ion Ratio Lower Upper

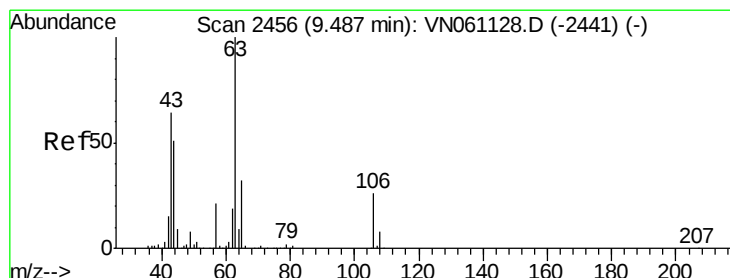
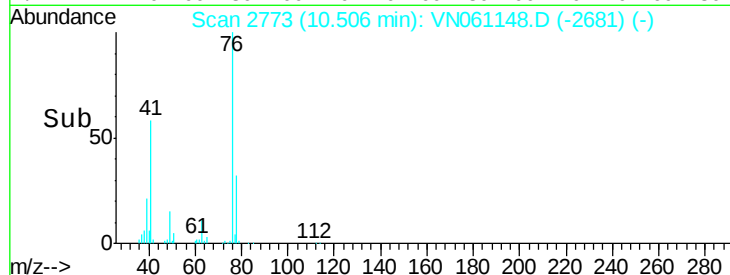
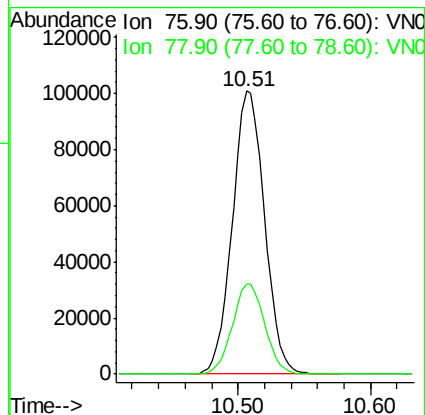
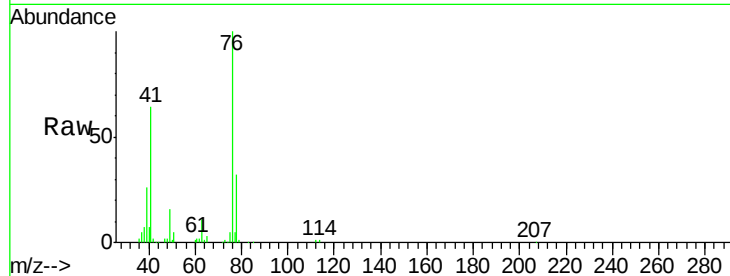
76 100

78 32.1 26.1 39.1

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 239.022 ug/l

RT: 9.49 min Scan# 2456

Delta R.T. 0.00 min

Lab File: VN061148.D

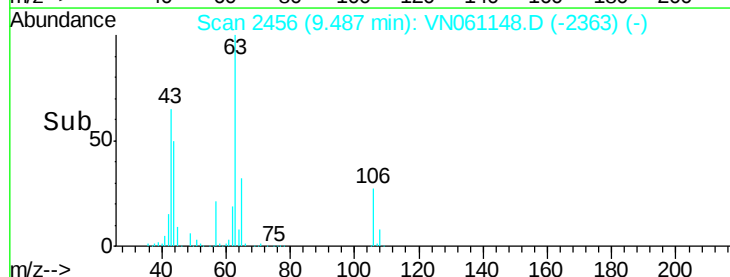
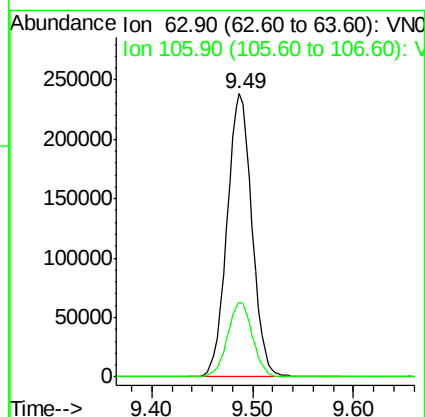
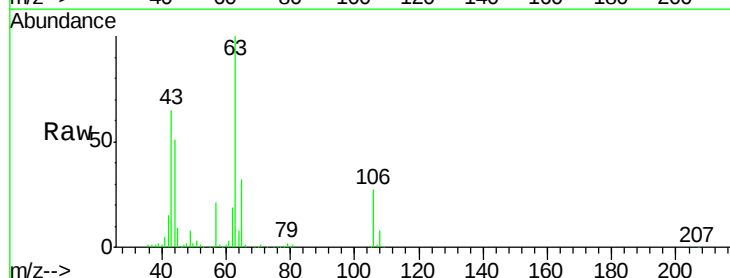
Acq: 22 Apr 2020 23:18

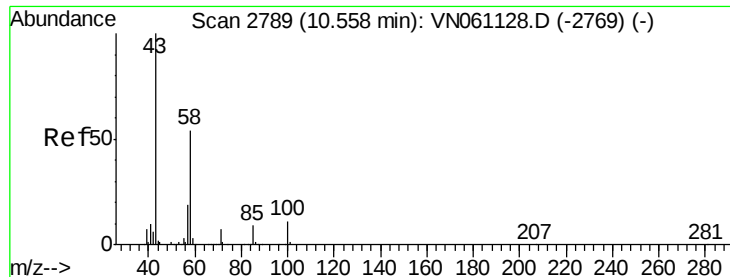
Tgt Ion: 63 Resp: 410476

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





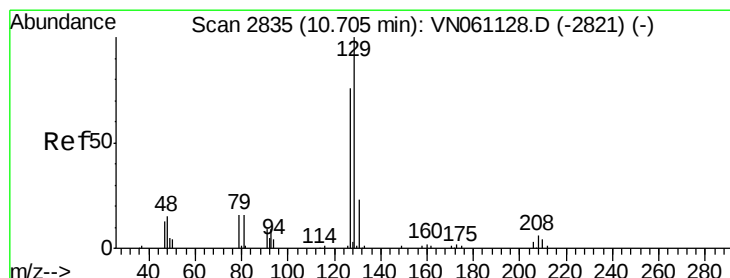
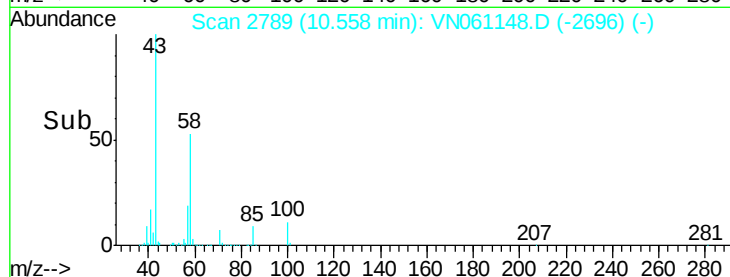
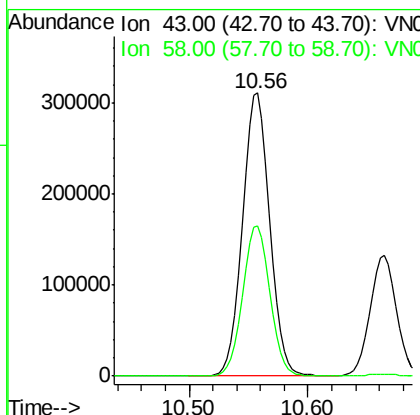
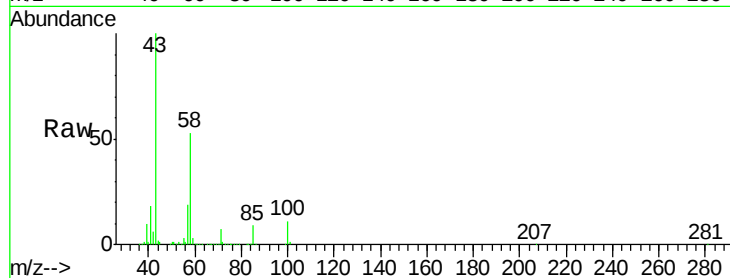
#59
2-Hexanone
Concen: 218.623 ug/l
RT: 10.56 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	491110
Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.9	80.6

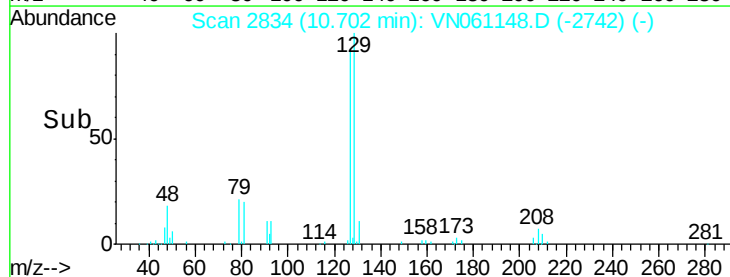
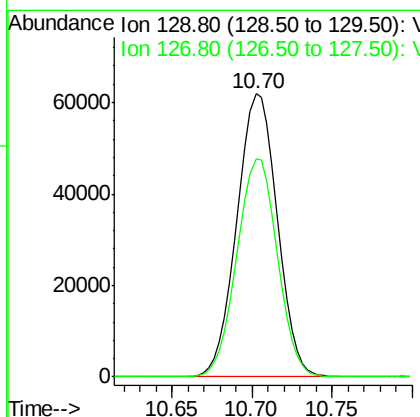
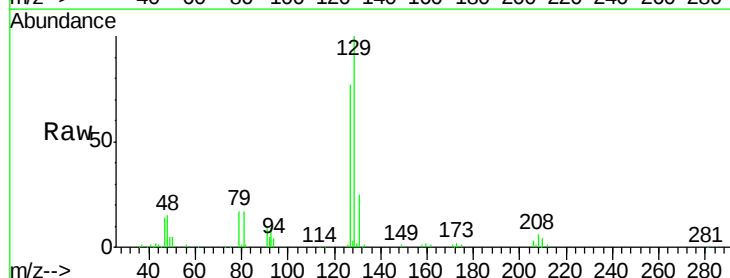
Manual Integrations
APPROVED

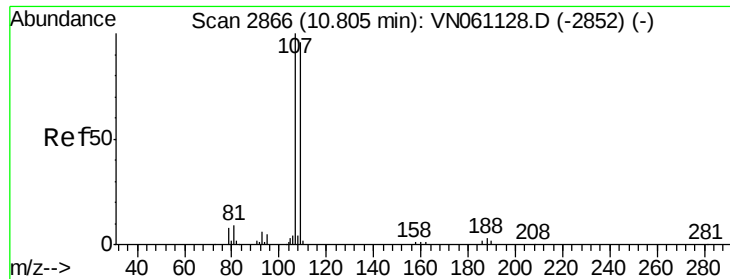
MMDadoda
4/23/2020 11:35:40 AM



#60
Dibromochloromethane
Concen: 46.635 ug/l
RT: 10.70 min Scan# 2834
Delta R.T. -0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	129	Resp	106588
Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.4	115.2





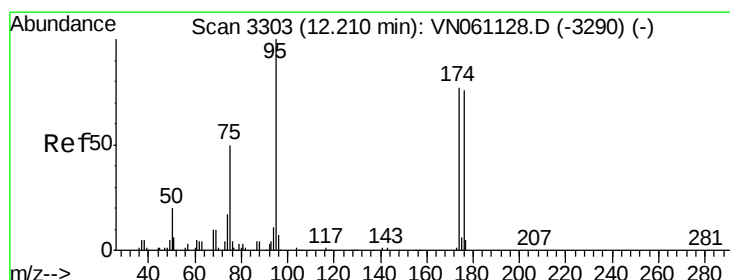
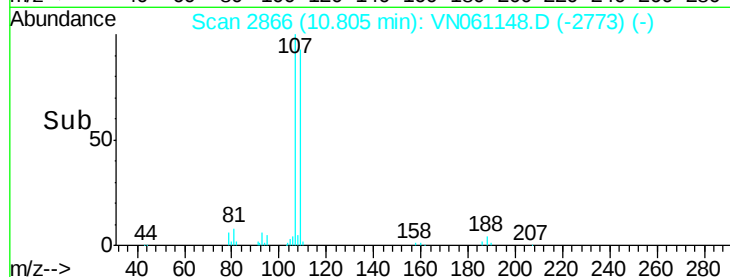
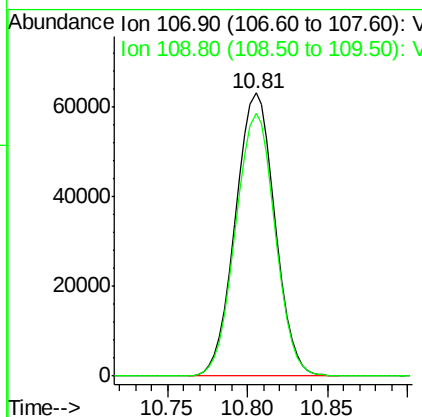
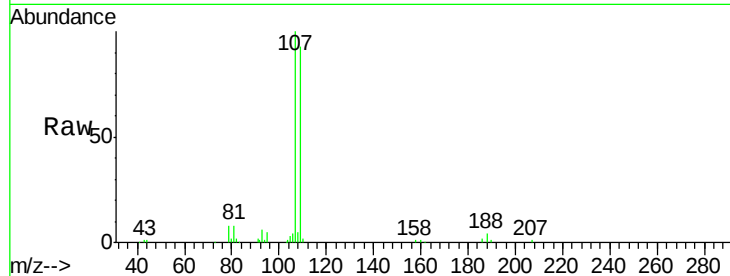
#61
 1,2-Dibromoethane
 Concen: 47.183 ug/l
 RT: 10.81 min Scan# 2866
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 106283
 Ion Ratio Lower Upper
 107 100
 109 93.0 76.0 114.0

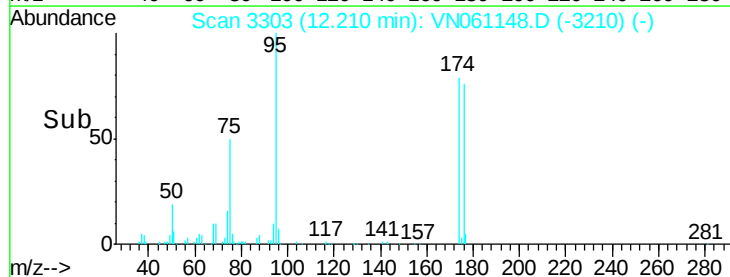
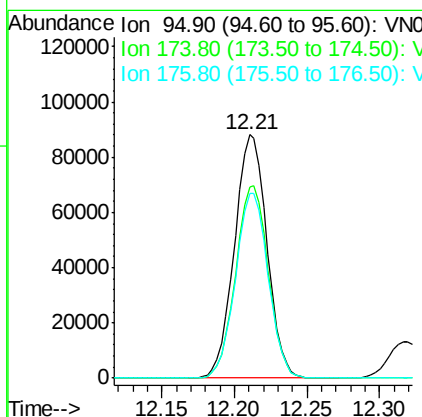
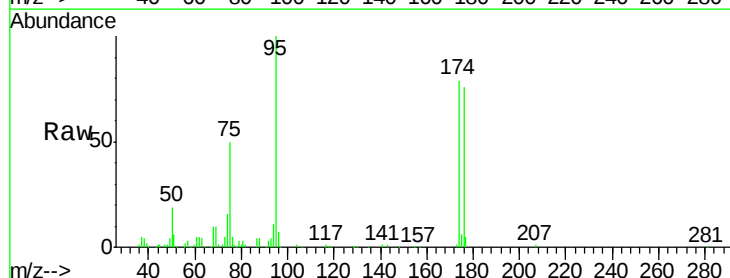
Manual Integrations
 APPROVED

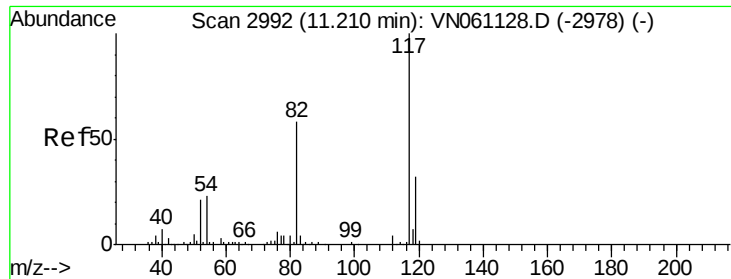
MMDadoda
 4/23/2020 11:35:40 AM



#62
 4-Bromofluorobenzene
 Concen: 47.764 ug/l
 RT: 12.21 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion: 95 Resp: 136994
 Ion Ratio Lower Upper
 95 100
 174 79.5 0.0 157.6
 176 76.4 0.0 154.4





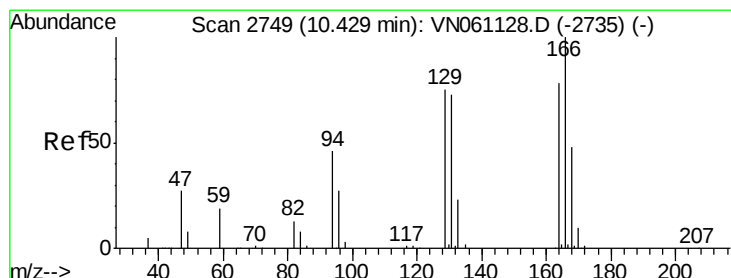
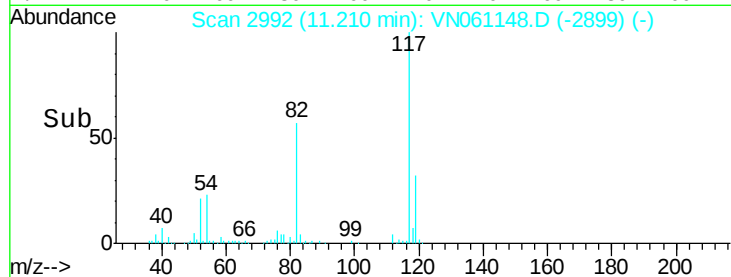
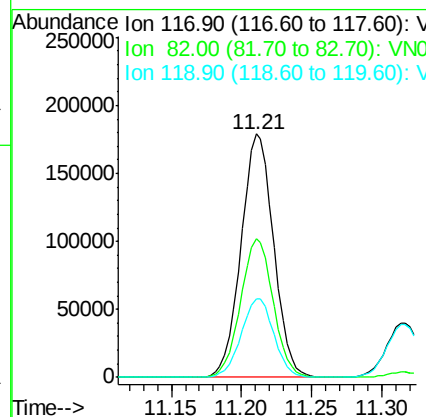
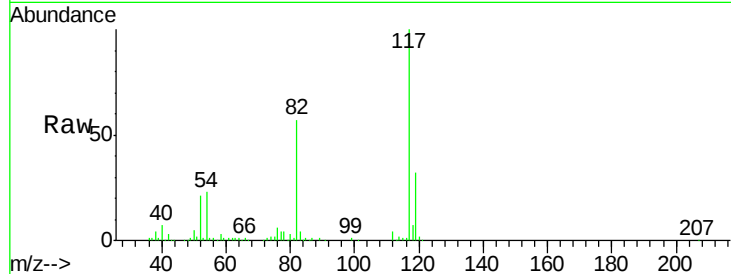
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2992
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289775		
82	56.8	46.0	69.0	
119	32.3	25.9	38.9	

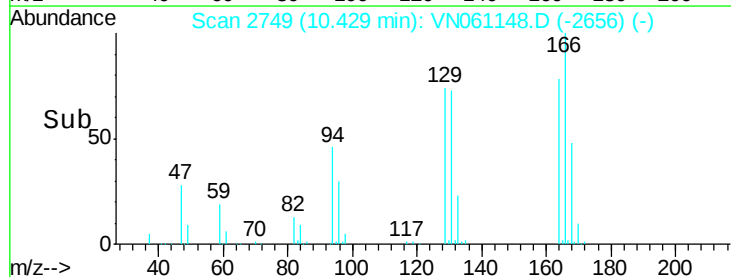
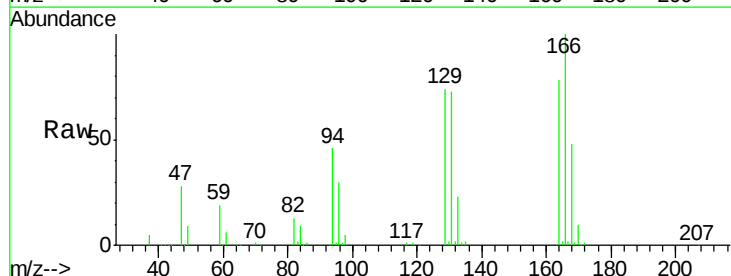
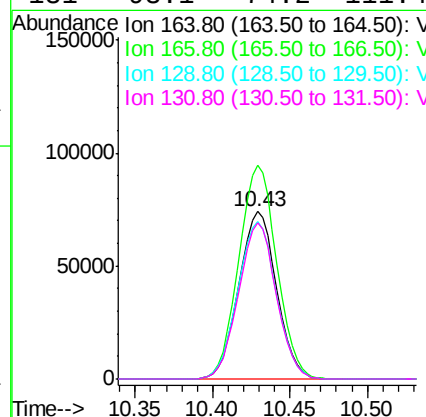
Manual Integrations
APPROVED

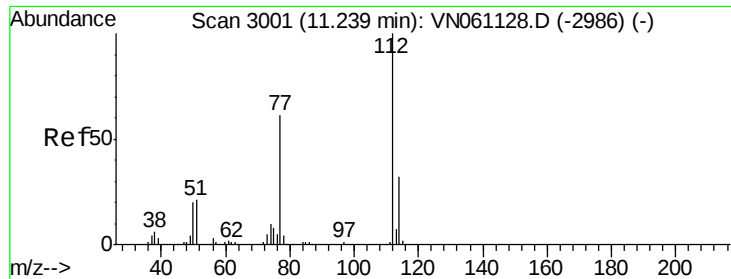
MMDadoda
4/23/2020 11:35:40 AM



#64
Tetrachloroethene
Concen: 42.318 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125535		
166	127.8	101.9	152.9	
129	93.9	76.5	114.7	
131	93.1	74.2	111.4	





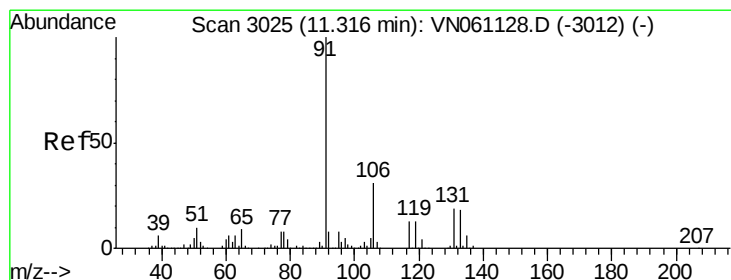
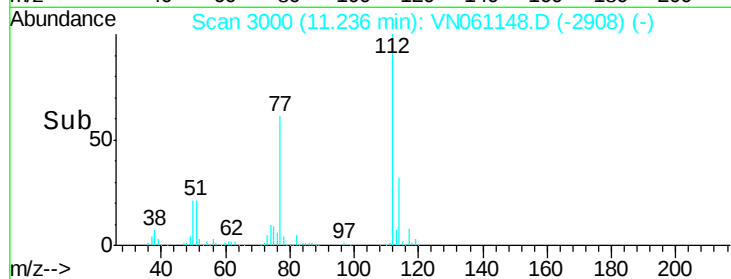
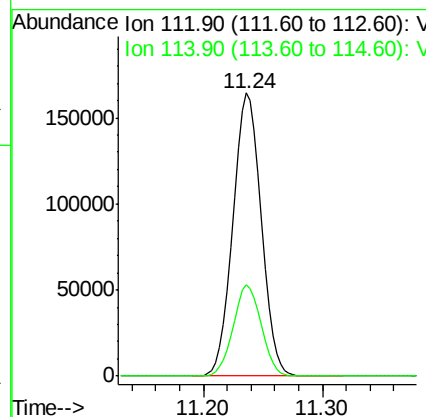
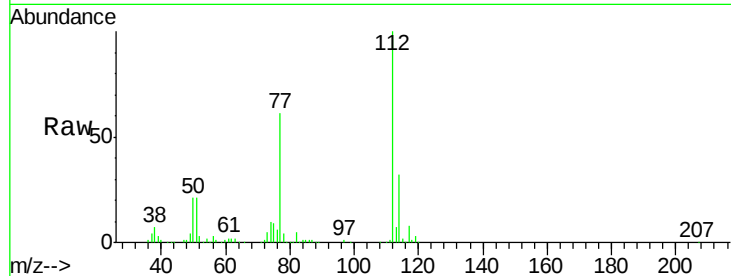
#65
Chlorobenzene
Concen: 45.990 ug/l
RT: 11.24 min Scan# 3000
Delta R.T. -0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.7	38.5

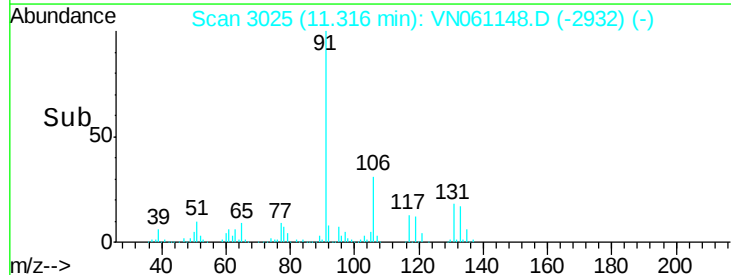
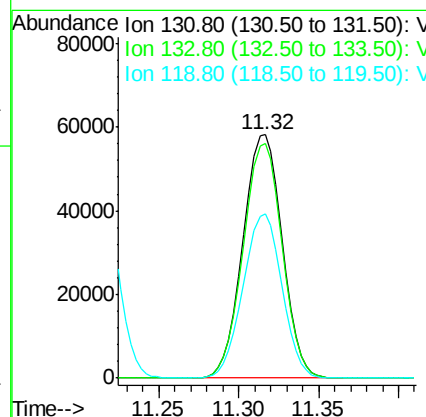
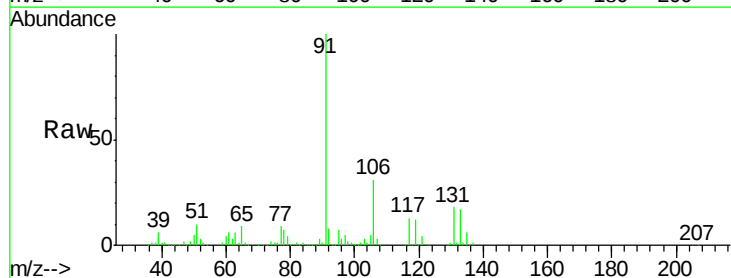
Manual Integrations
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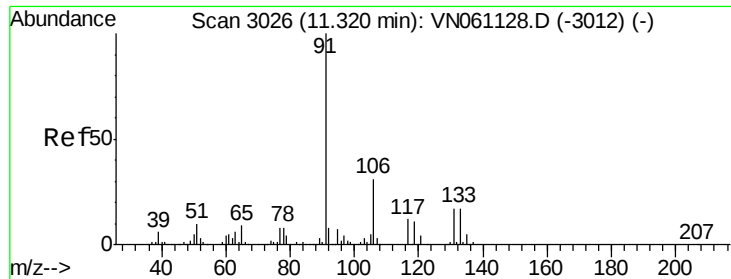
MMDadoda
4/23/2020 11:35:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.624 ug/l
RT: 11.32 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.2	144.6
119	66.9	33.1	99.5





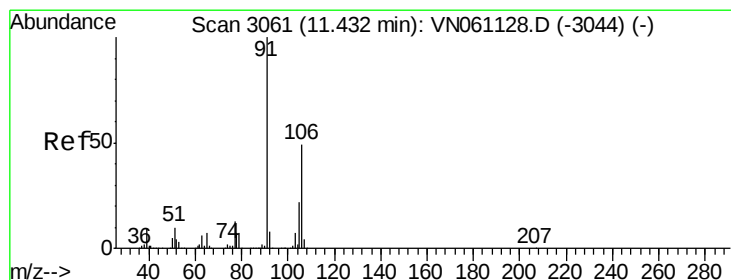
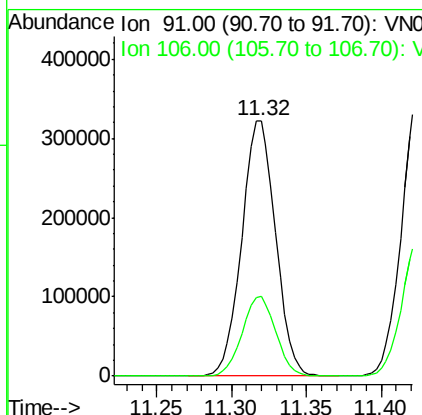
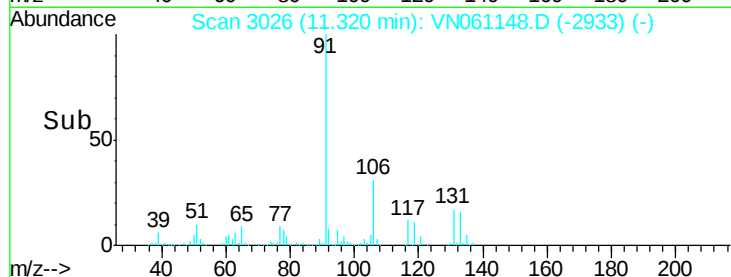
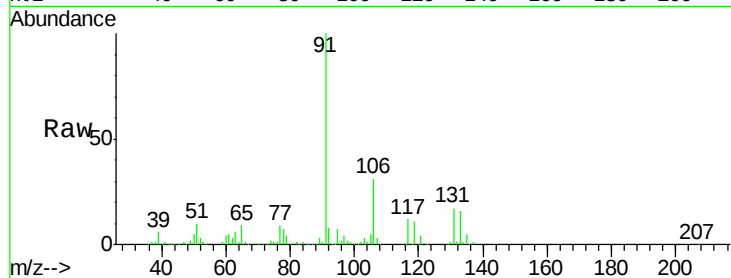
#67
Ethyl Benzene
Concen: 46.218 ug/l
RT: 11.32 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 506994
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1

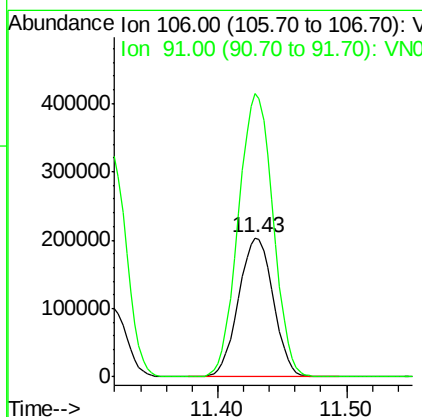
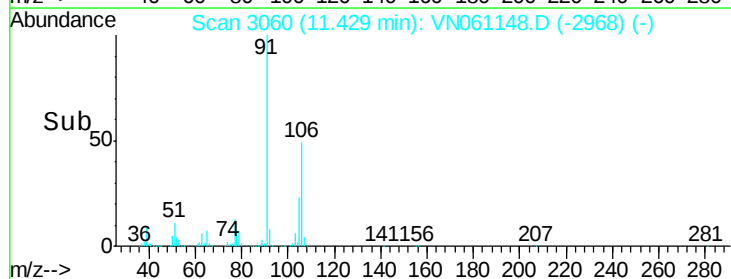
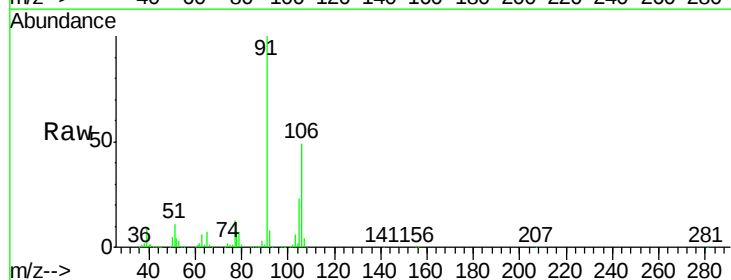
Manual Integrations
APPROVED

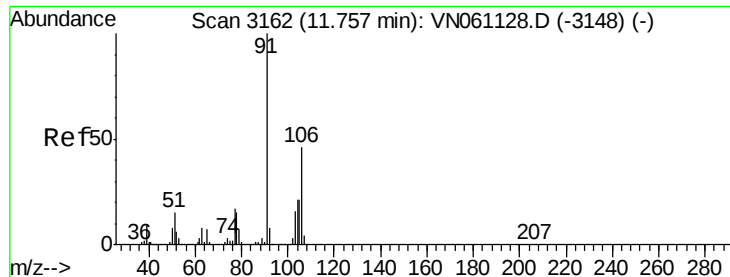
MMDadoda
4/23/2020 11:35:40 AM



#68
m/p-Xylenes
Concen: 92.902 ug/l
RT: 11.43 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion: 106 Resp: 380564
Ion Ratio Lower Upper
106 100
91 203.5 163.9 245.9





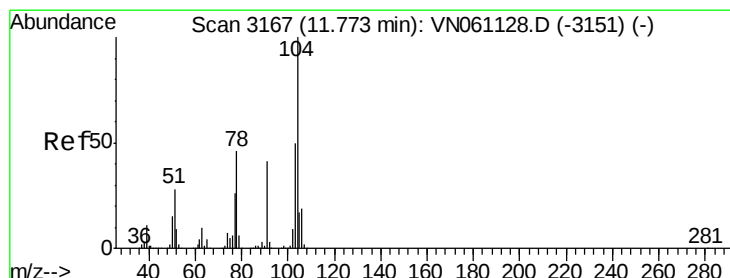
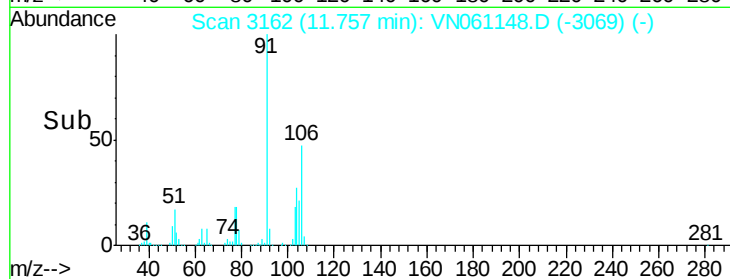
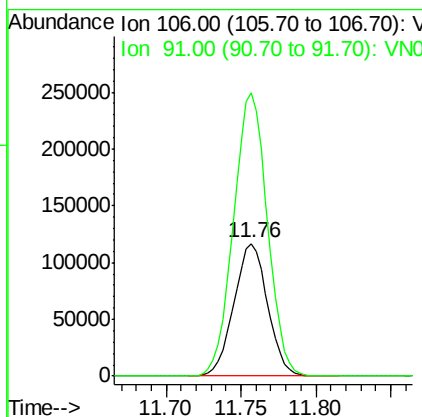
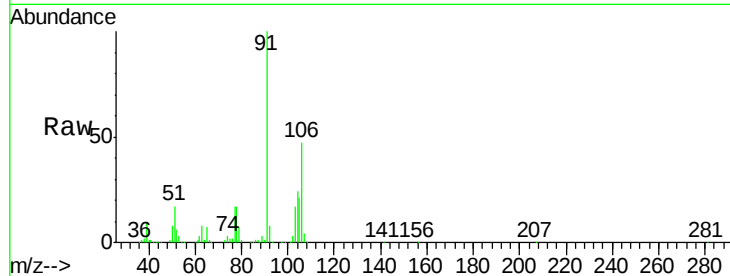
#69
o-Xylene
Concen: 46.315 ug/l
RT: 11.76 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.4	107.6	322.8	

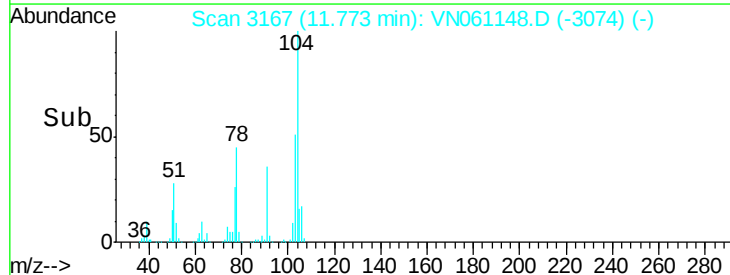
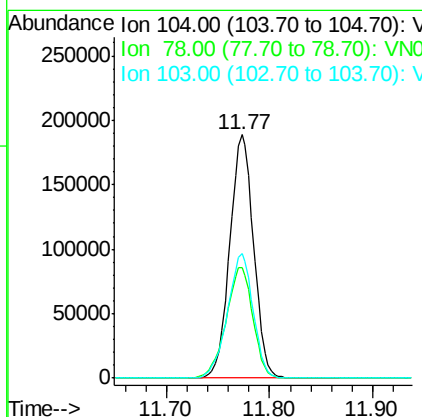
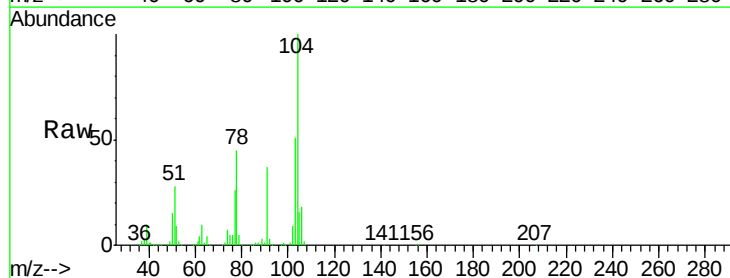
Manual Integrations
APPROVED

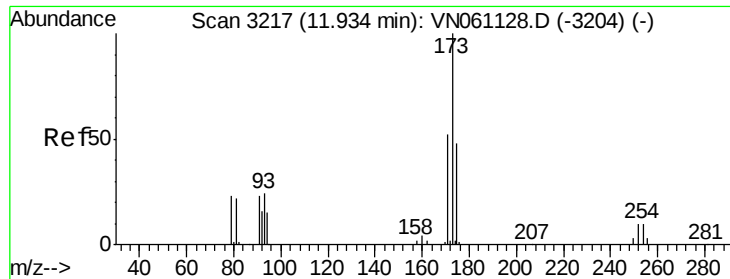
MMDadoda
4/23/2020 11:35:40 AM



#70
Styrene
Concen: 47.492 ug/l
RT: 11.77 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.0	40.6	61.0	
103	55.2	43.7	65.5	





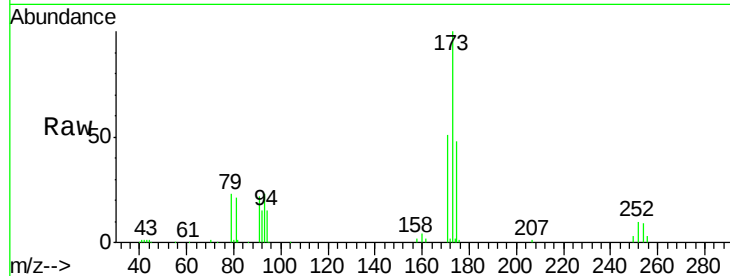
#71
Bromoform
Concen: 48.010 ug/l
RT: 11.93 min Scan# 3217
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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4/23/2020 11:35:40 AM

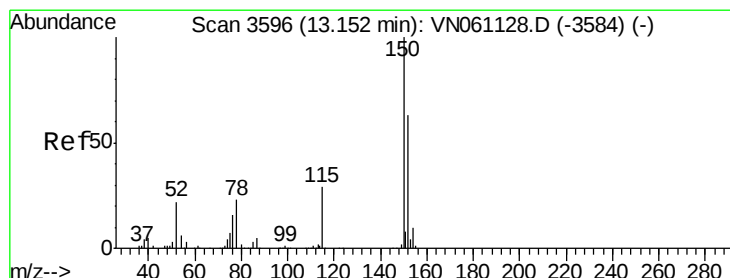
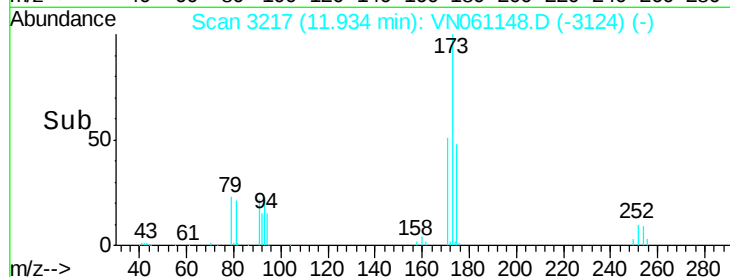
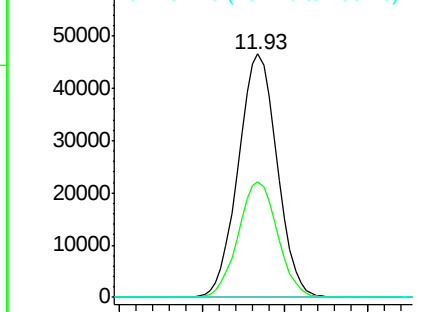


Abundance

Ion 172.70 (172.40 to 173.40): V

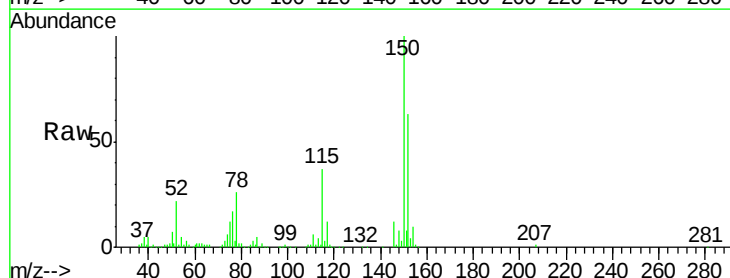
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.15 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.8	89.5
150	170.1	0.0	348.6

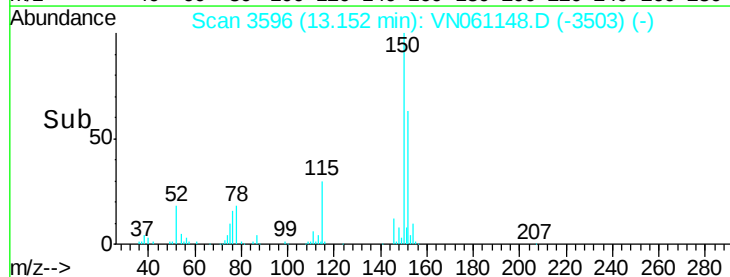
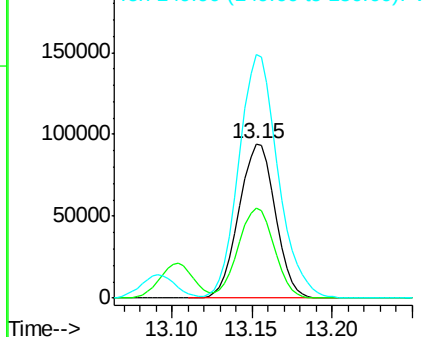


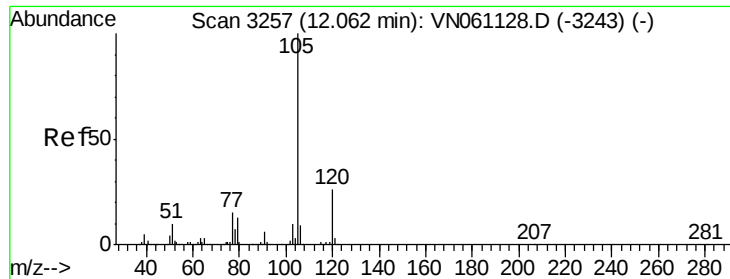
Abundance

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: 44.432 ug/l

RT: 12.06 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 490924

Ion Ratio Lower Upper

105 100

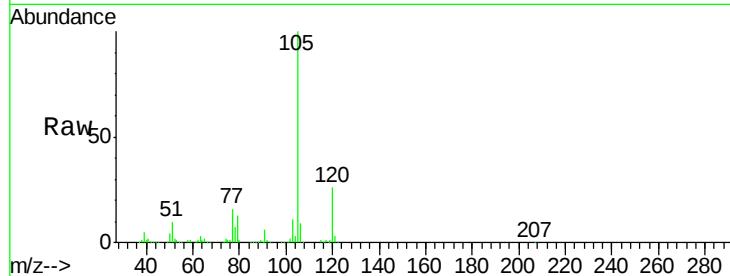
120 26.3 13.1 39.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.06

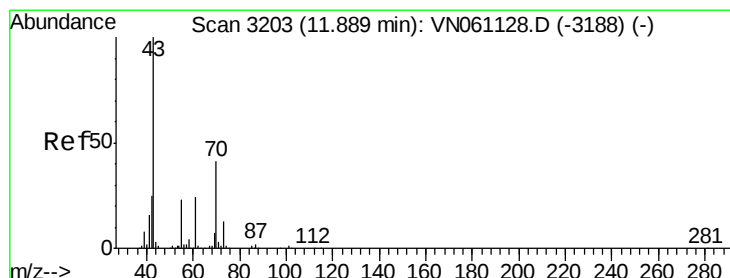
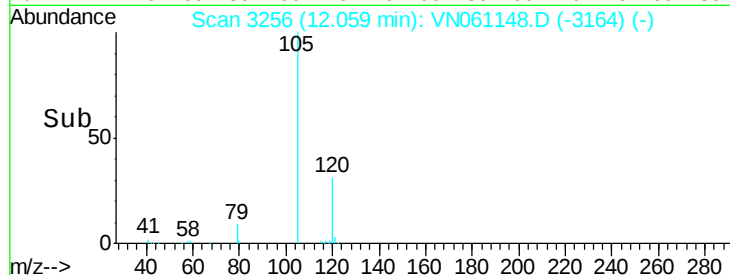
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 42.962 ug/l

RT: 11.89 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Tgt Ion: 43 Resp: 213378

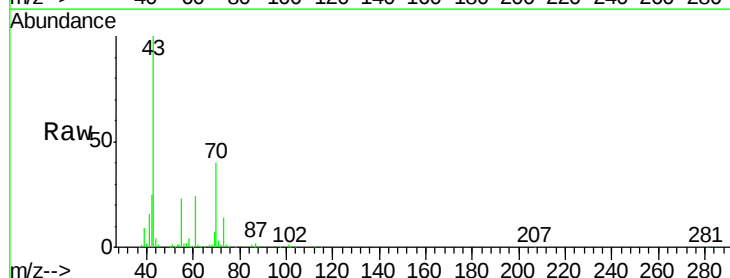
Ion Ratio Lower Upper

43 100

70 40.6 32.5 48.7

55 23.8 19.0 28.6

61 23.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

11.89

200000

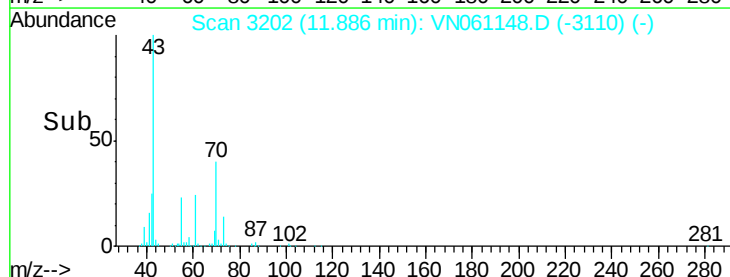
150000

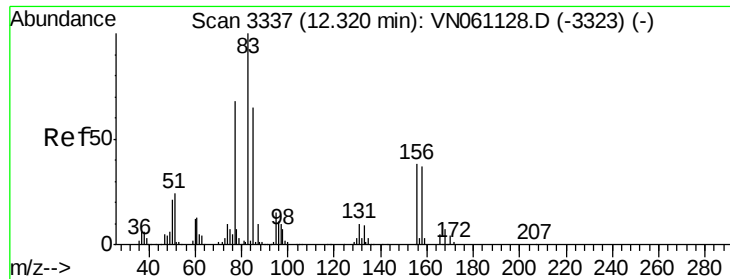
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.907 ug/l

RT: 12.32 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 135928

Ion Ratio Lower Upper

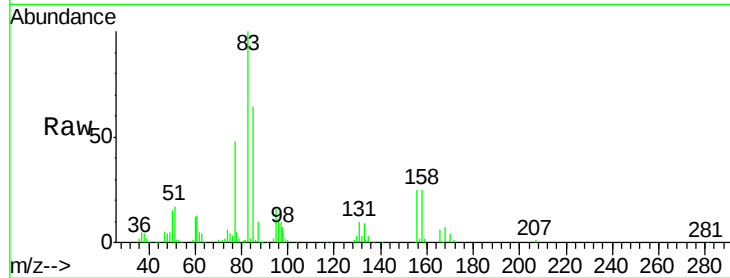
83 100

131 10.1 5.1 15.2

85 65.1 31.9 95.5

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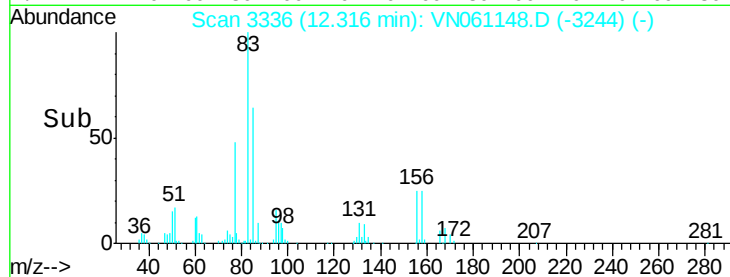


Abundance Ion 82.90 (82.60 to 83.60): VN061148.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN061148.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN061148.D (-3337) (-)

Time-->

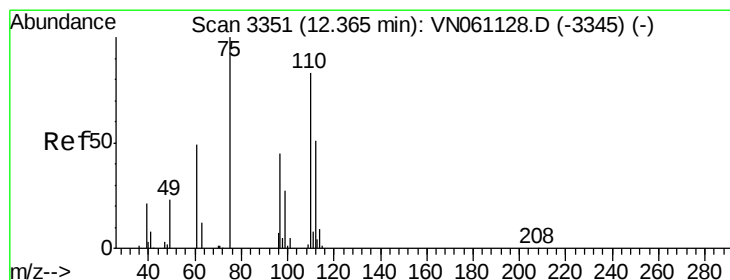


Abundance Ion 82.90 (82.60 to 83.60): VN061148.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN061148.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN061148.D (-3337) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 41.779 ug/l m

RT: 12.36 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061148.D

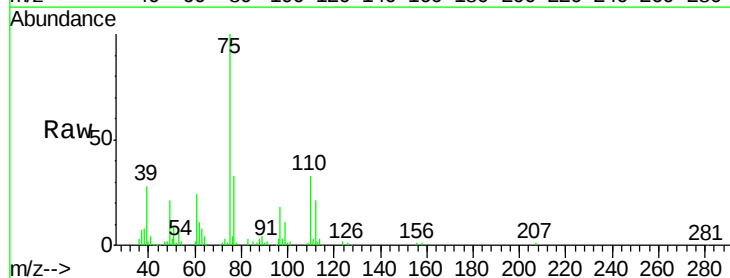
Acq: 22 Apr 2020 23:18

Tgt Ion: 75 Resp: 140942

Ion Ratio Lower Upper

75 100

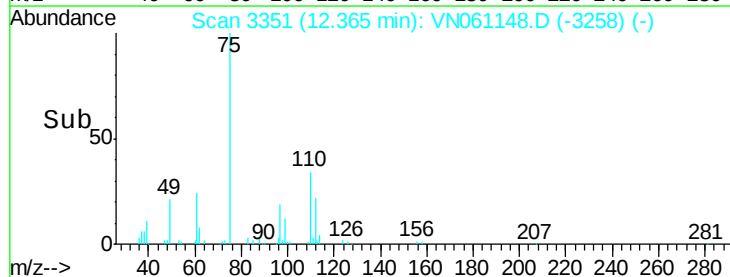
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061148.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN061148.D (-3351) (-)

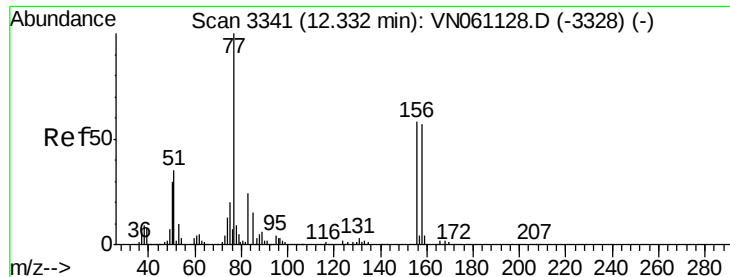
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN061148.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN061148.D (-3351) (-)

Time-->



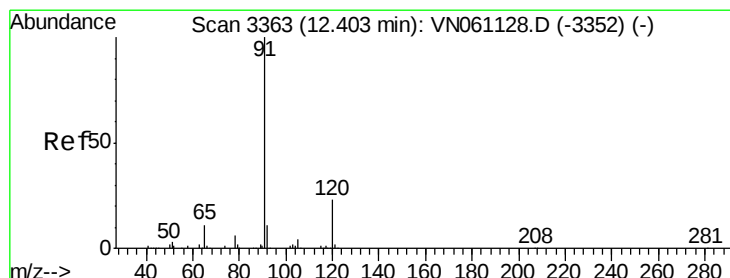
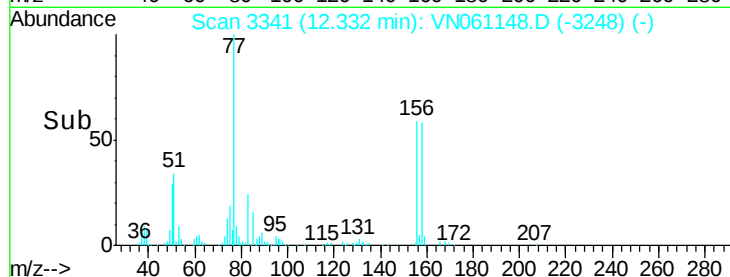
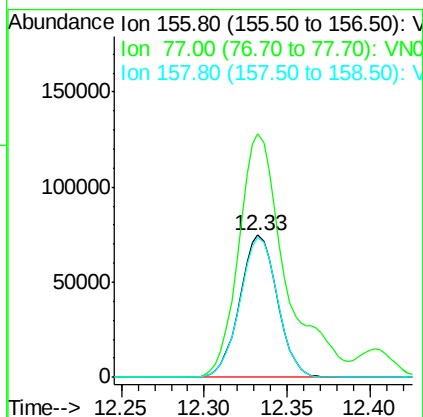
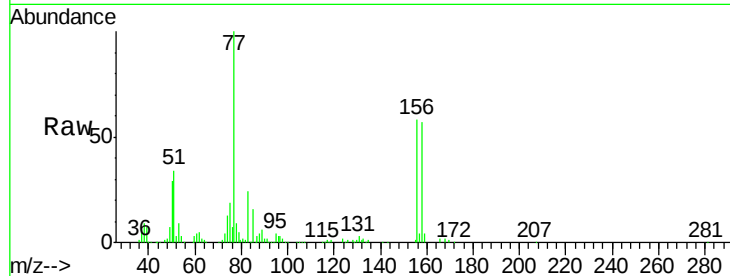
#77
Bromobenzene
Concen: 43.721 ug/l
RT: 12.33 min Scan# 3341
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.6	105.7	317.1
158	98.7	48.3	144.9

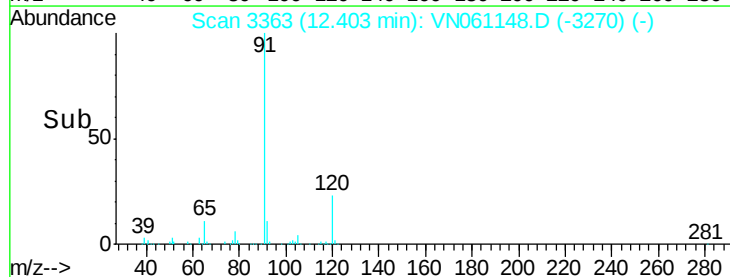
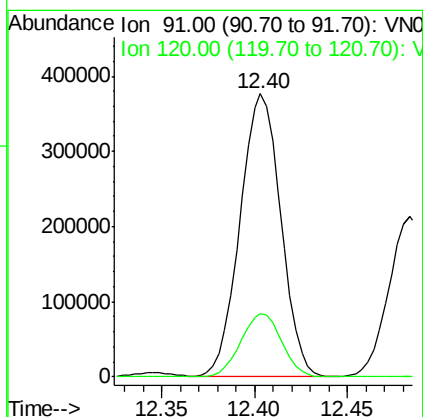
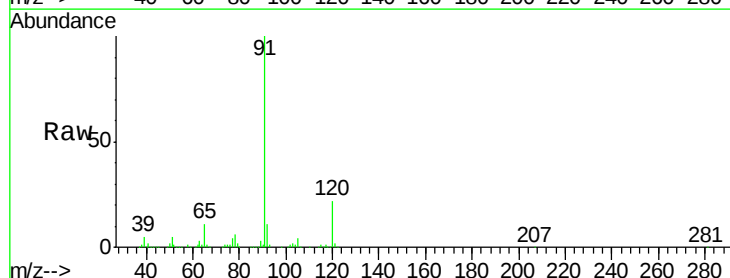
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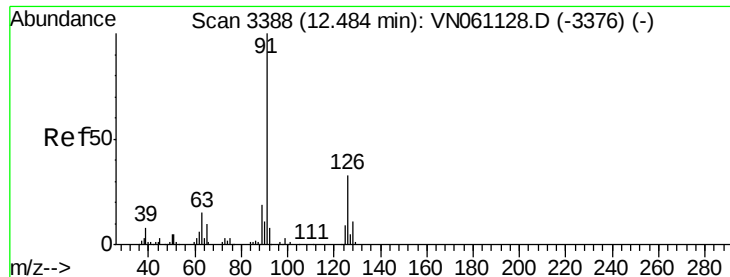
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4/23/2020 11:35:40 AM



#78
n-propylbenzene
Concen: 44.407 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9





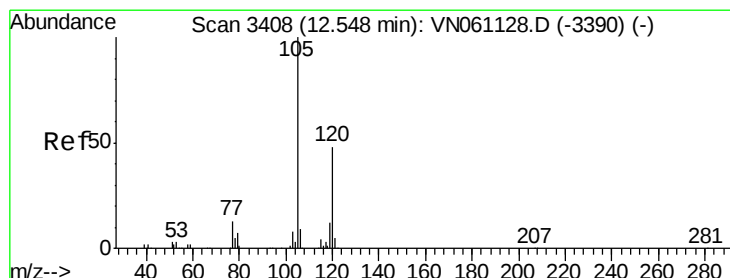
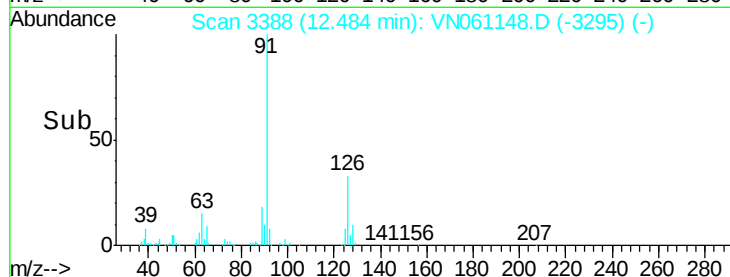
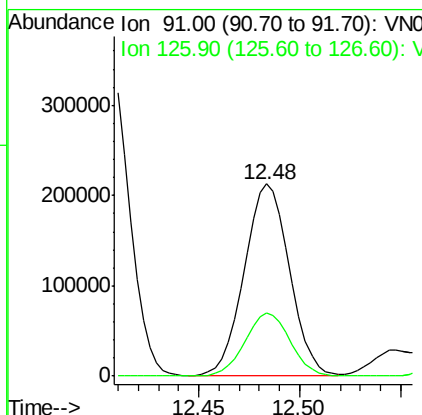
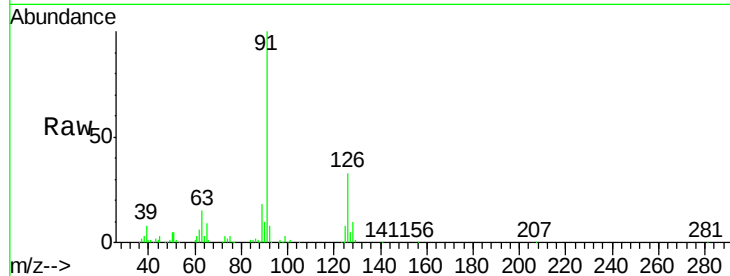
#79
 2-Chlorotoluene
 Concen: 44.243 ug/l
 RT: 12.48 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 91 Resp: 332931
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.7 50.1

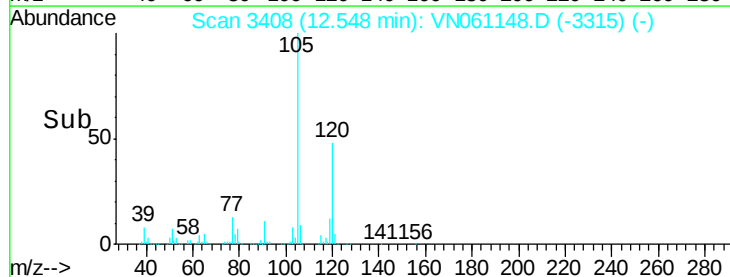
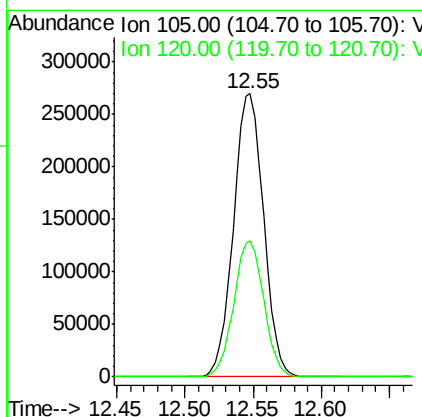
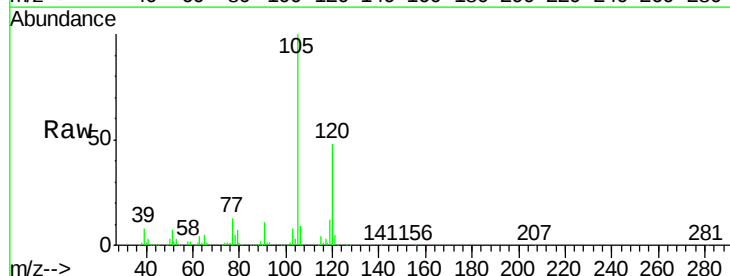
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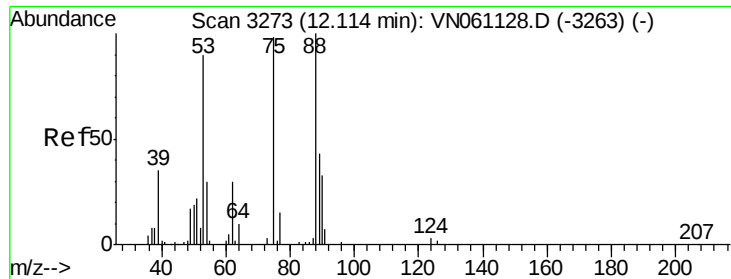
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#80
 1,3,5-Trimethylbenzene
 Concen: 44.307 ug/l
 RT: 12.55 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion: 105 Resp: 412521
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 40.210 ug/l

RT: 12.11 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN061148.D

Acq: 22 Apr 2020 23:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 51652

Ion Ratio Lower Upper

75 100

53 95.4 74.3 111.5

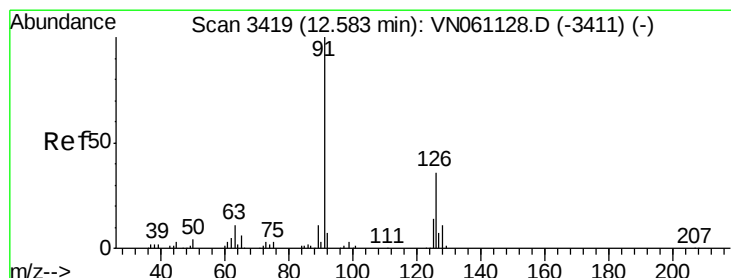
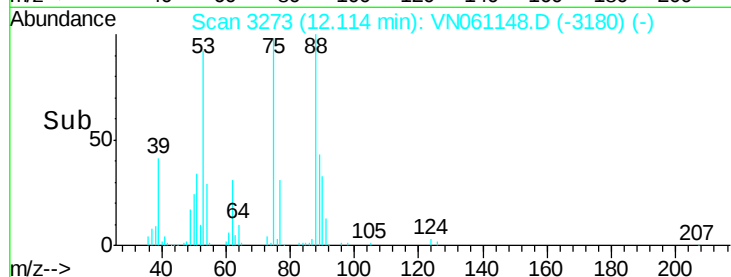
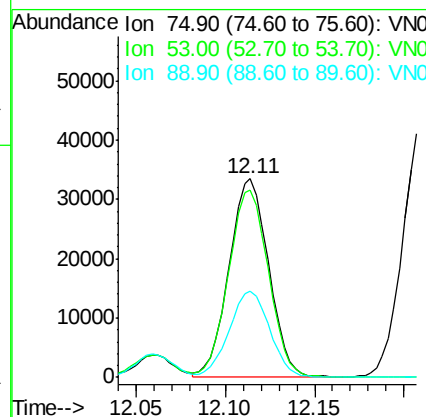
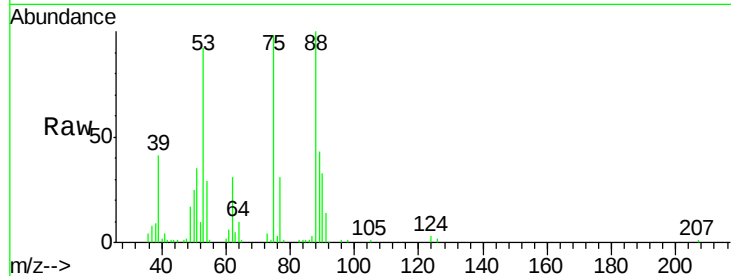
89 44.2 36.6 55.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 44.216 ug/l

RT: 12.58 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061148.D

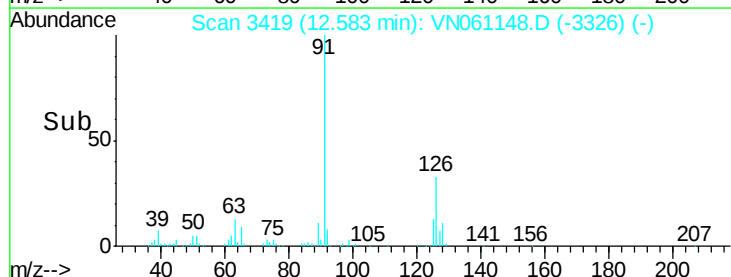
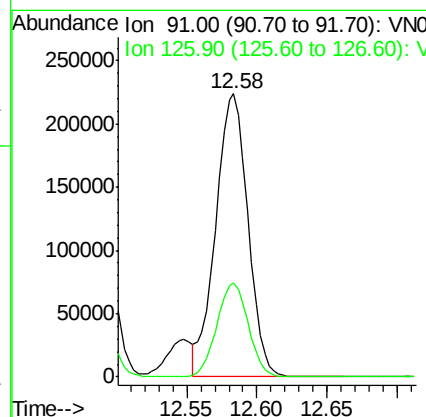
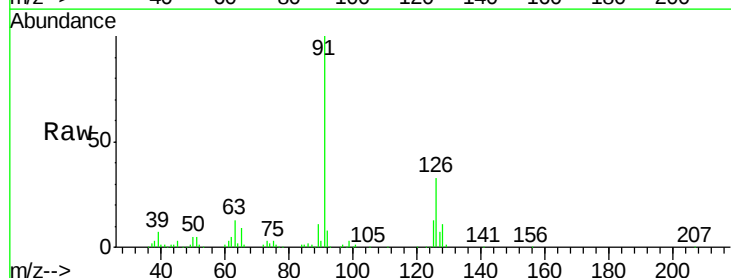
Acq: 22 Apr 2020 23:18

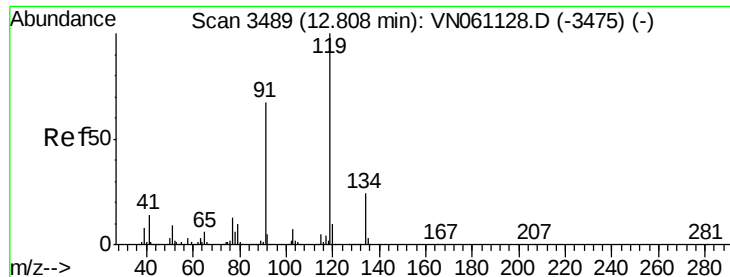
Tgt Ion: 91 Resp: 353006

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.2





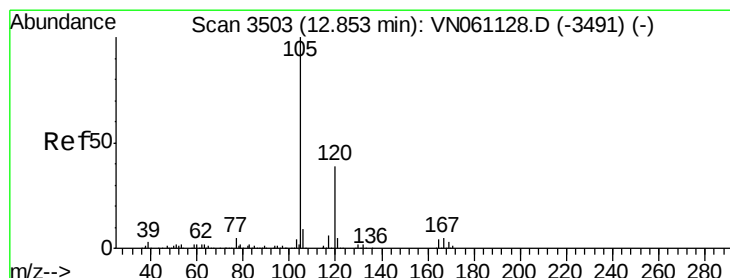
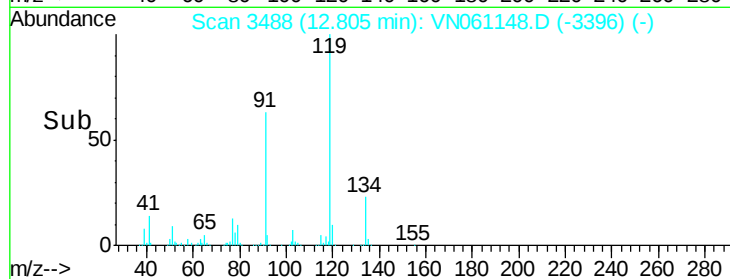
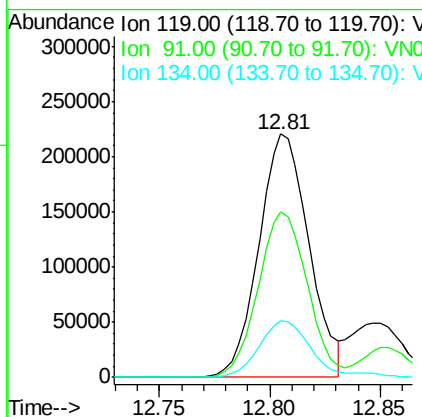
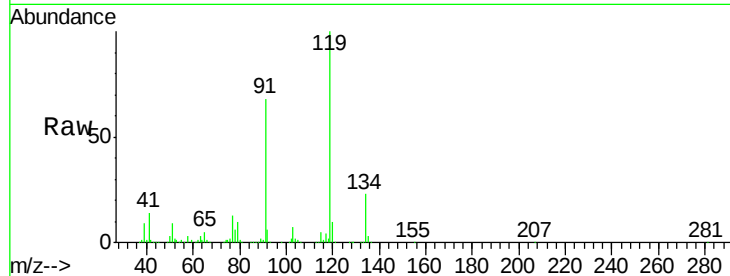
#83
tert-Butylbenzene
Concen: 44.362 ug/l
RT: 12.81 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	32.8	98.4
134	24.7	12.2	36.4

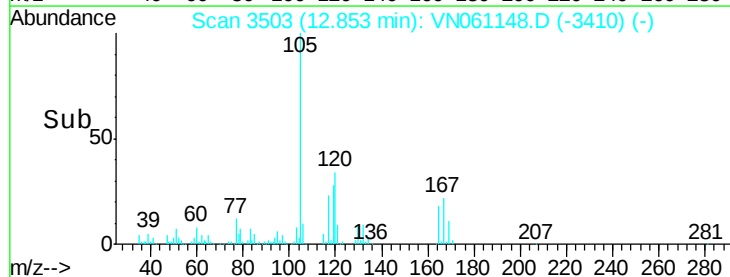
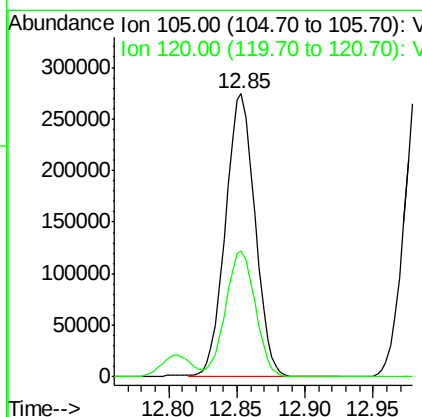
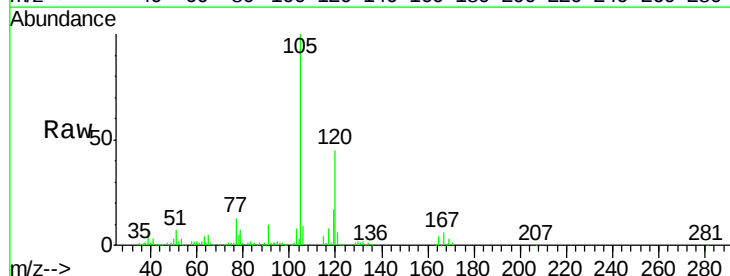
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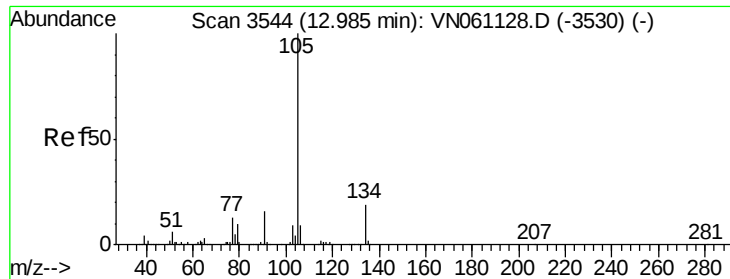
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#84
1,2,4-Trimethylbenzene
Concen: 44.593 ug/l
RT: 12.85 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.0





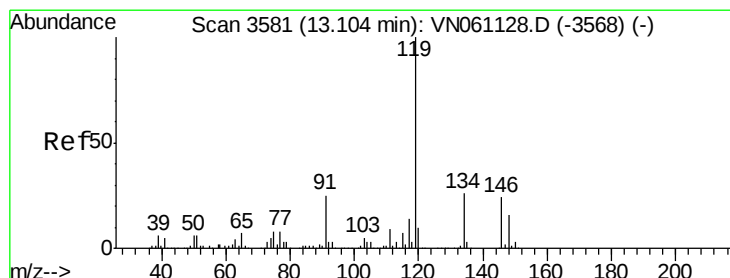
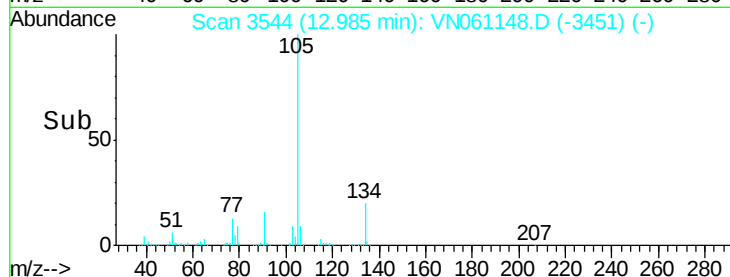
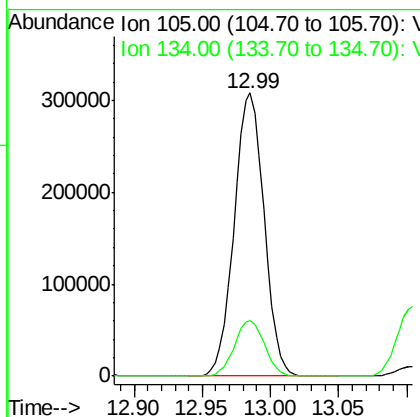
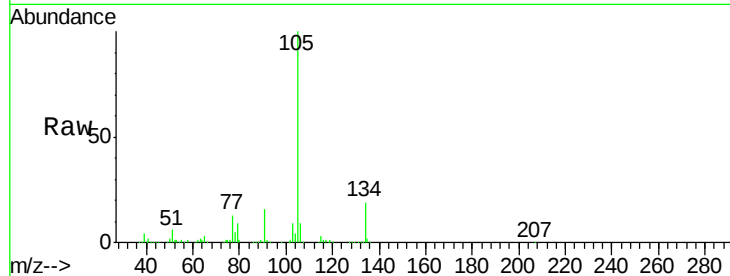
#85
 sec-Butylbenzene
 Concen: 44.318 ug/l
 RT: 12.99 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	28.9

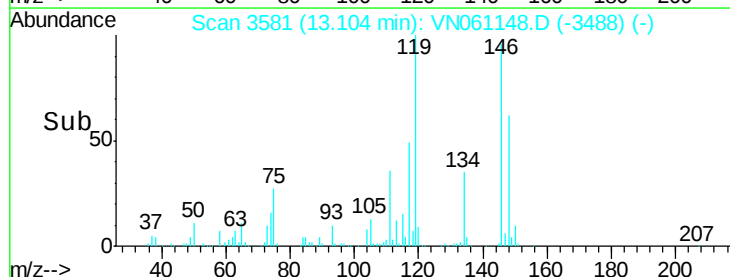
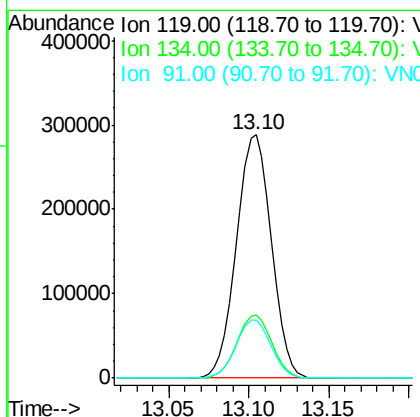
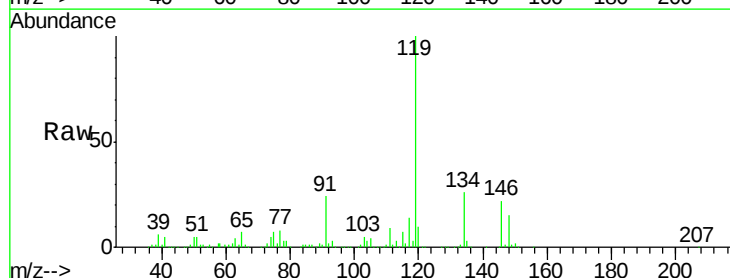
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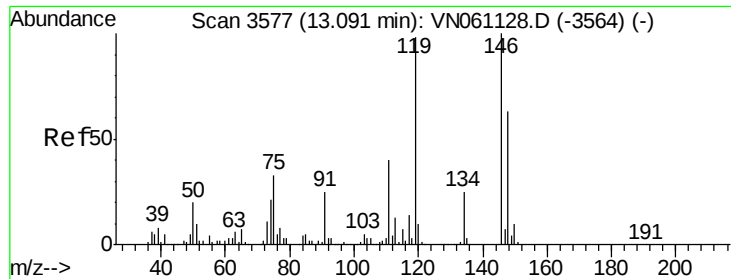
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#86
 p-Isopropyltoluene
 Concen: 44.450 ug/l
 RT: 13.10 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	23.9	12.4	37.0





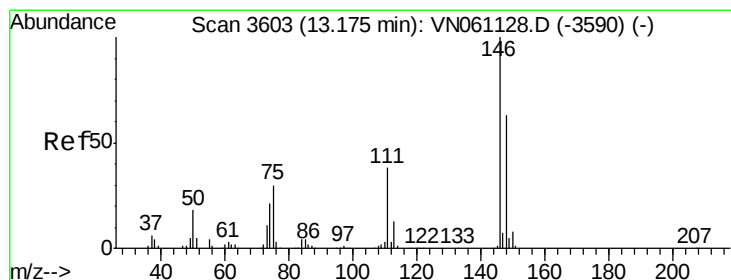
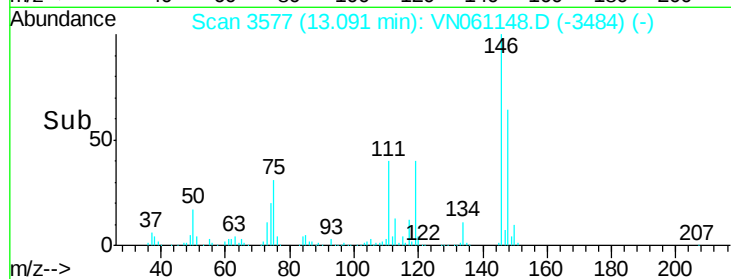
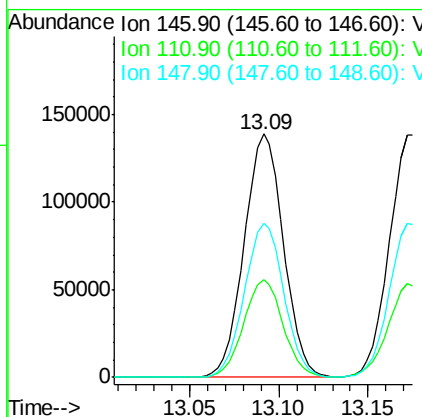
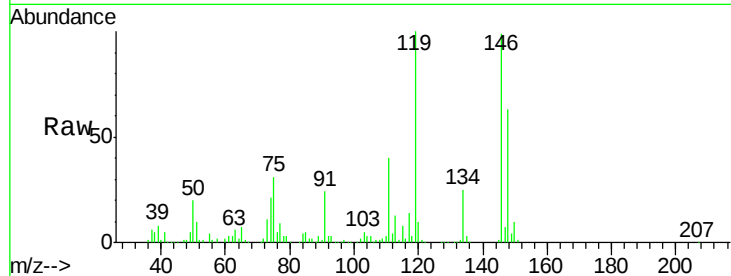
#87
 1,3-Dichlorobenzene
 Concen: 44.753 ug/l
 RT: 13.09 min Scan# 3577
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.9
148	63.6	31.9	95.5

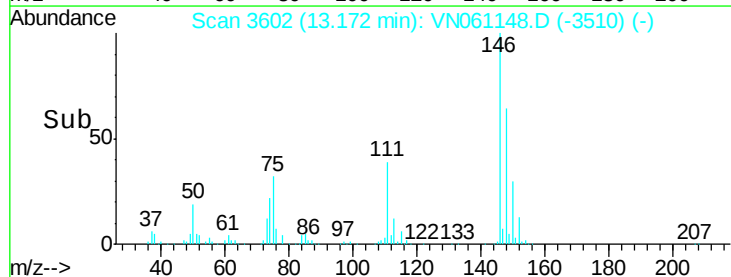
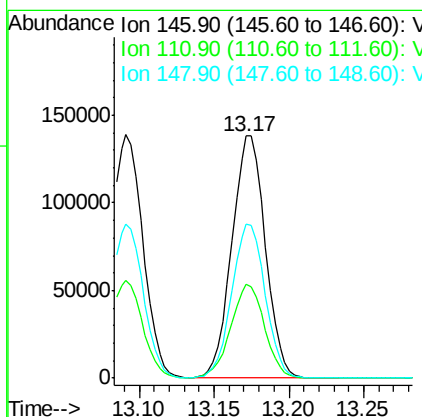
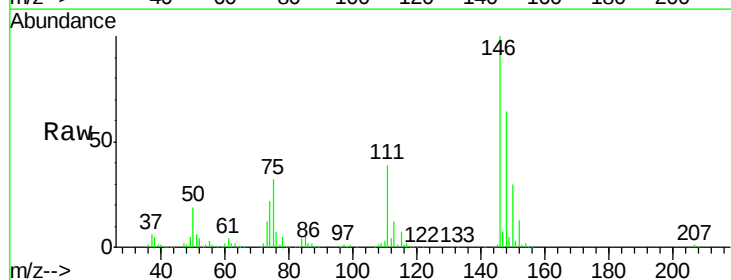
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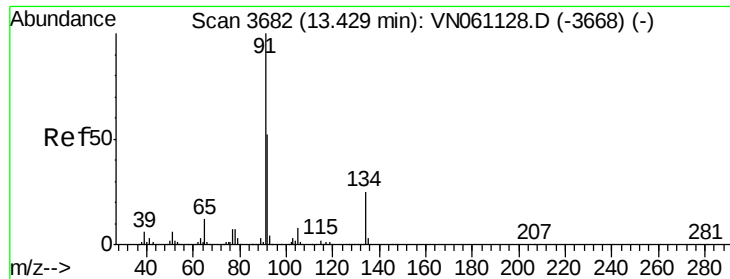
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#88
 1,4-Dichlorobenzene
 Concen: 44.651 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	63.5	31.8	95.3





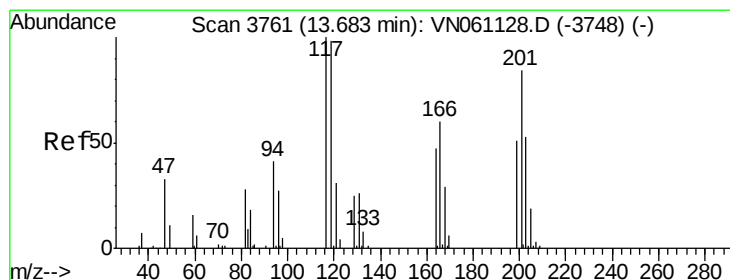
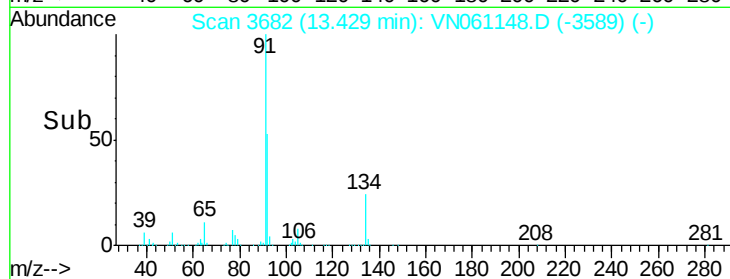
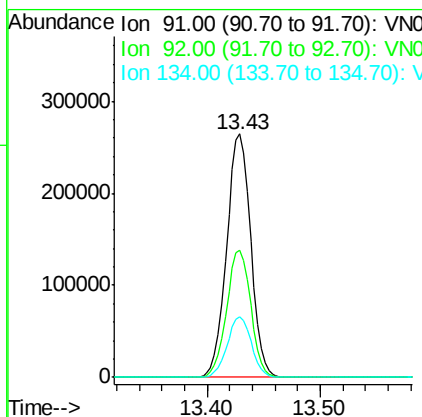
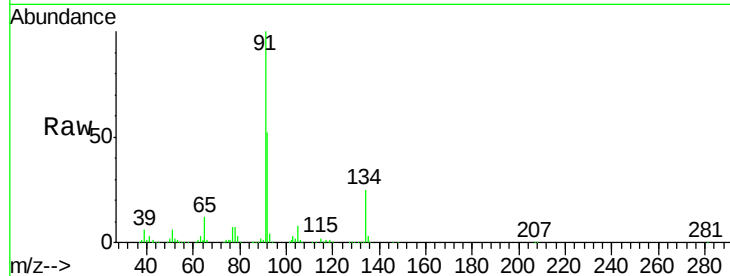
#89
n-Butylbenzene
Concen: 44.680 ug/l
RT: 13.43 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	25.0	12.6	37.6

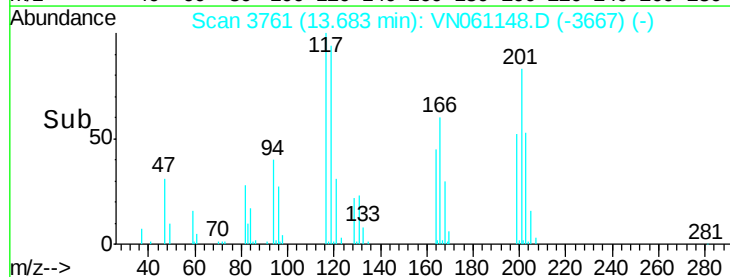
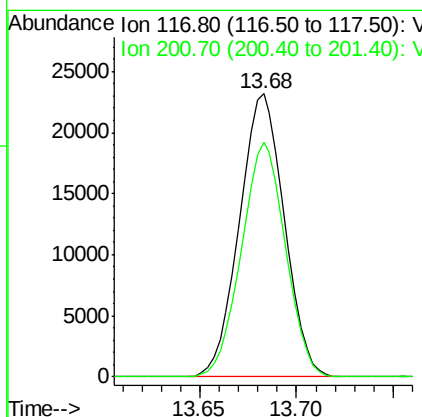
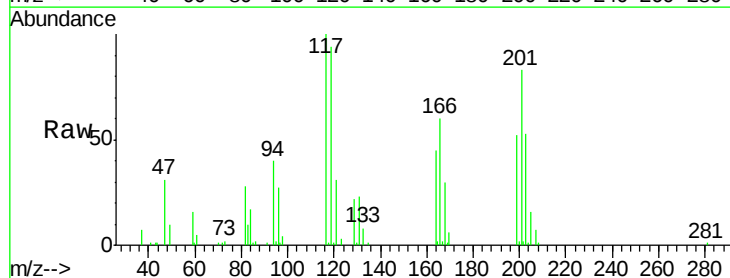
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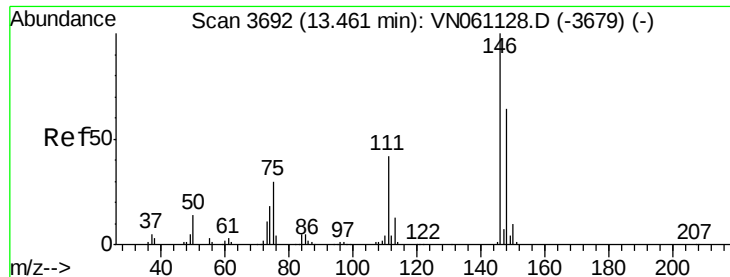
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#90
Hexachloroethane
Concen: 38.605 ug/l
RT: 13.68 min Scan# 3761
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	41.4	124.4





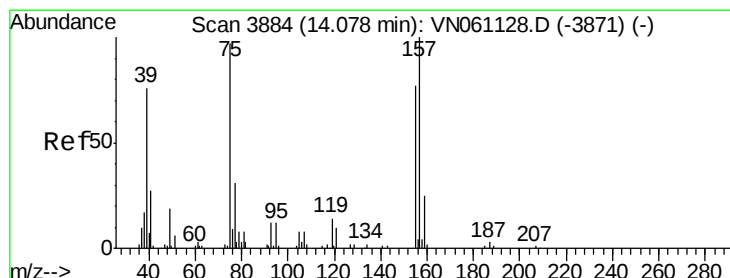
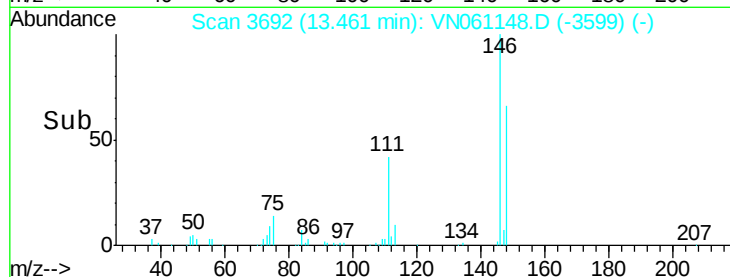
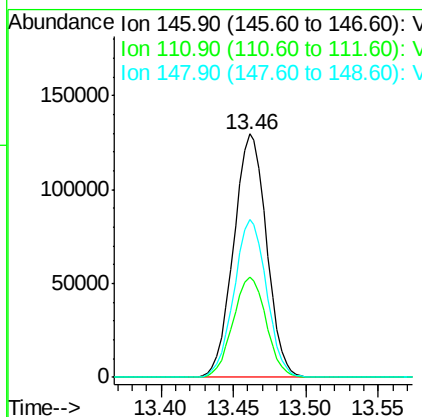
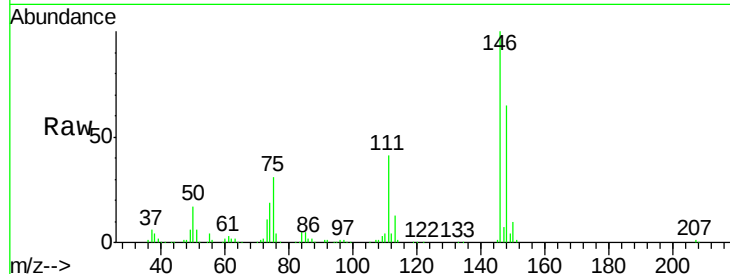
#91
 1,2-Dichlorobenzene
 Concen: 45.973 ug/l
 RT: 13.46 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	64.2	31.7	95.1

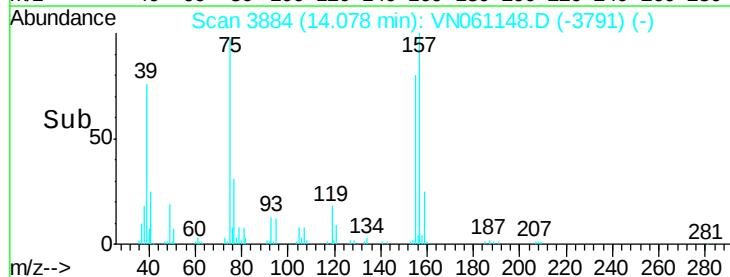
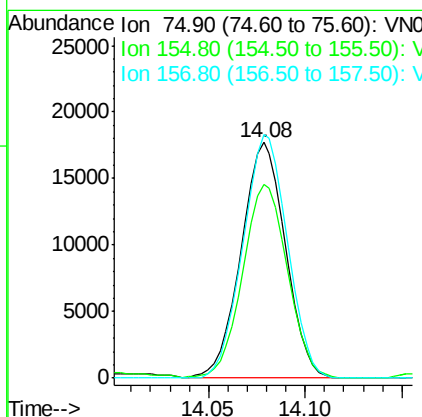
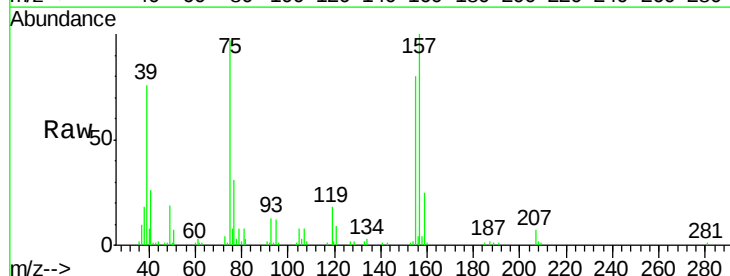
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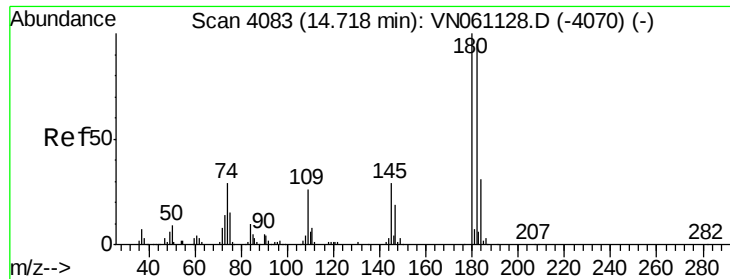
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.979 ug/l
 RT: 14.08 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	40.3	120.9
157	103.5	51.6	154.8





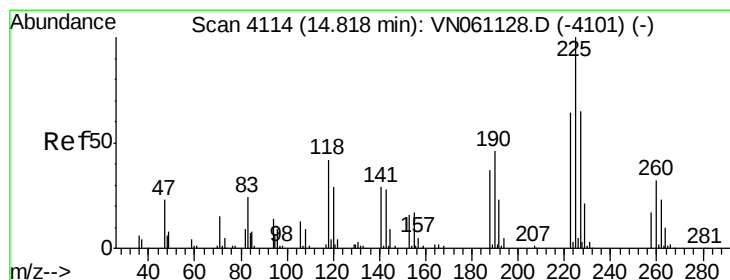
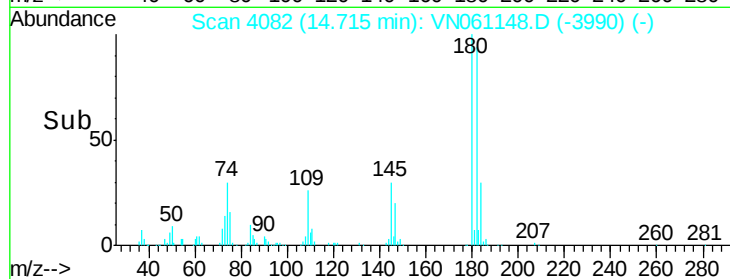
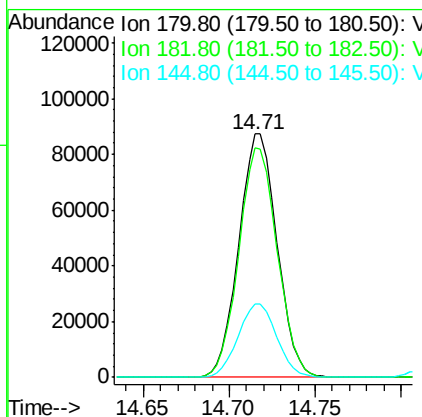
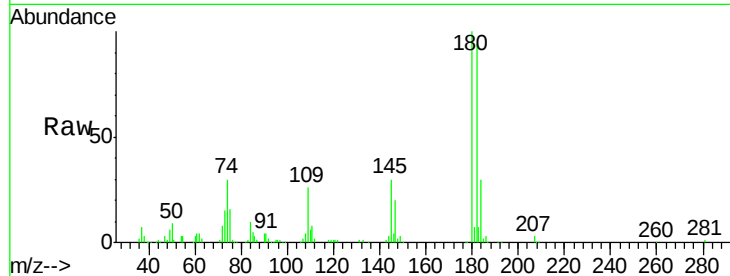
#93
 1,2,4-Trichlorobenzene
 Concen: 45.411 ug/l
 RT: 14.71 min Scan# 4082
 Delta R.T. -0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134819		
182	94.7	47.9	143.7	
145	30.4	15.2	45.5	

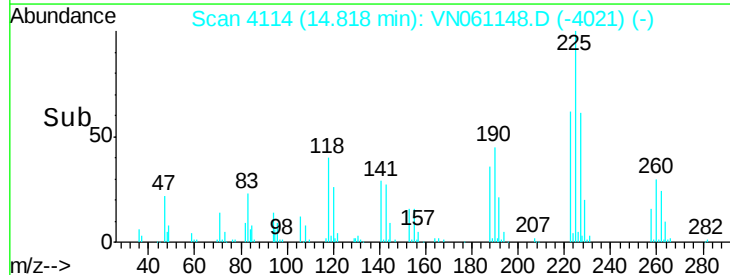
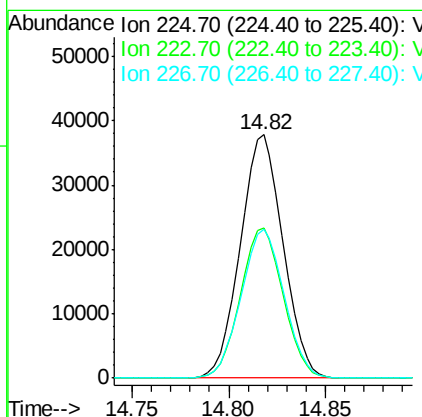
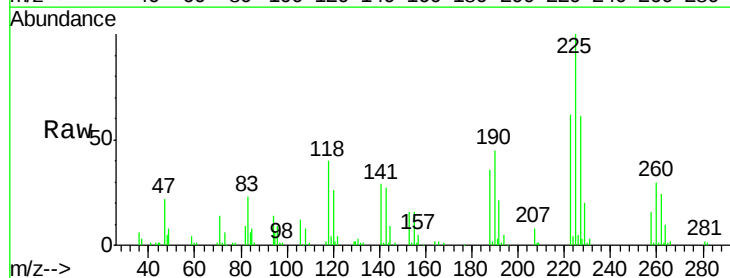
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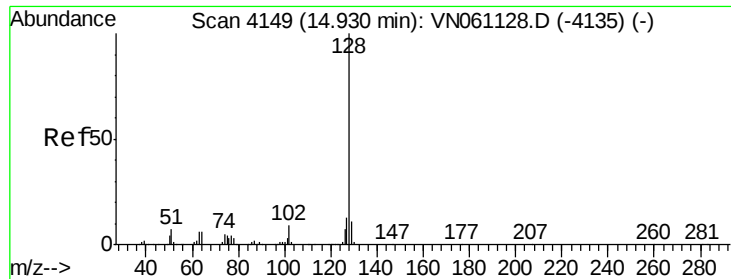
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#94
 Hexachlorobutadiene
 Concen: 44.800 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. 0.00 min
 Lab File: VN061148.D
 Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58004		
223	61.6	31.6	95.0	
227	61.7	32.0	96.2	





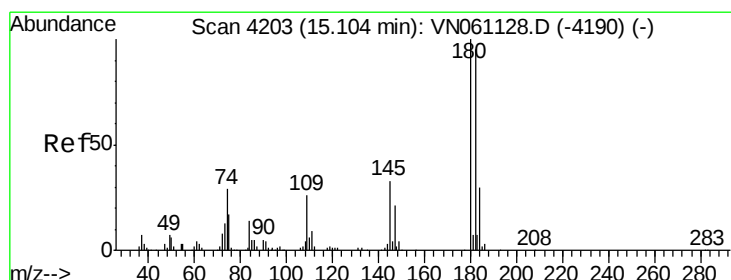
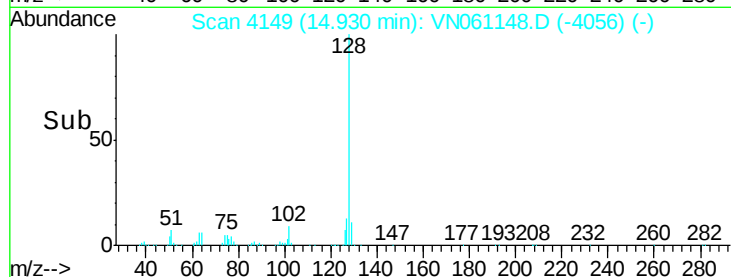
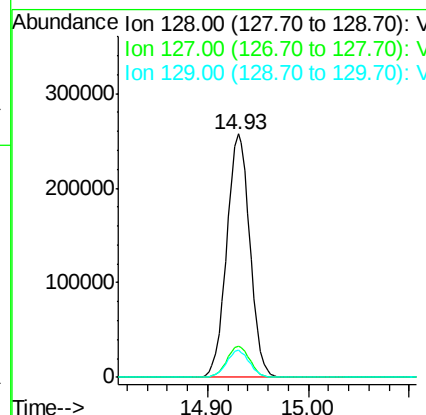
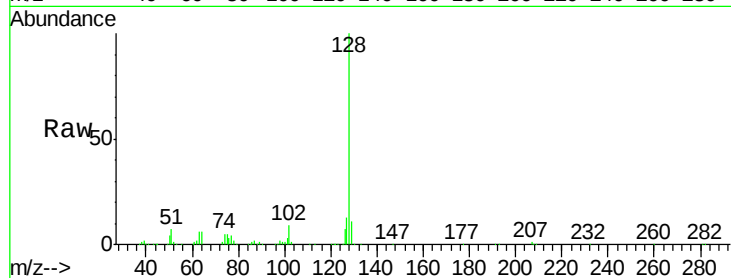
#95
Naphthalene
Concen: 44.978 ug/l
RT: 14.93 min Scan# 4149
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	412296		
127	12.8		10.2	15.4
129	11.0		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 44.854 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061148.D
Acq: 22 Apr 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	127961		
182	96.4		47.7	143.1
145	32.1		16.3	48.8

