

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061220.D
 Acq On : 1 May 2020 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:57:56 PM

Quant Time: May 04 01:19:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	124945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	209458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	194735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	87477	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
35) Dibromofluoromethane	7.54	113	57186	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
50) Toluene-d8	10.06	98	238815	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.37	95	89784	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62157	46.913	ug/l	99
3) Chloromethane	2.03	50	91380	56.946	ug/l	98
4) Vinyl Chloride	2.16	62	84829	46.543	ug/l	99
5) Bromomethane	2.53	94	35503	39.407	ug/l	99
6) Chloroethane	2.67	64	49530	42.875	ug/l	99
7) Trichlorofluoromethane	2.98	101	103242	50.208	ug/l	98
8) Diethyl Ether	3.37	74	50603	58.999	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	66438	50.153	ug/l	99
10) Methyl Iodide	3.91	142	82759	48.612	ug/l	96
11) Tert butyl alcohol	4.73	59	60930	230.067	ug/l	99
12) 1,1-Dichloroethene	3.69	96	65117	49.396	ug/l	99
13) Acrolein	3.56	56	48354	273.979	ug/l	98
14) Allyl chloride	4.27	41	151419	61.948	ug/l	92
15) Acrylonitrile	4.92	53	225080	276.859	ug/l	98
16) Acetone	3.77	43	199616	261.320	ug/l	97
17) Carbon Disulfide	4.01	76	170433	46.803	ug/l	100
18) Methyl Acetate	4.27	43	117467	47.109	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	256207	50.862	ug/l	98
20) Methylene Chloride	4.50	84	78615	50.996	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	71198	49.599	ug/l	99
22) Diisopropyl ether	5.90	45	308891	54.496	ug/l	97
23) Vinyl Acetate	5.83	43	1235858	270.791	ug/l	99
24) 1,1-Dichloroethane	5.79	63	151050	51.004	ug/l	99
25) 2-Butanone	6.78	43	299080	255.654	ug/l	99
26) 2,2-Dichloropropane	6.77	77	122959	49.293	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	83569	49.609	ug/l	99
28) Bromochloromethane	7.15	49	71545	50.969	ug/l	94
29) Tetrahydrofuran	7.16	42	203901	258.743	ug/l	96
30) Chloroform	7.32	83	141353	47.099	ug/l	99
31) Cyclohexane	7.61	56	134405	46.732	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	118218	45.236	ug/l	99
36) 1,1-Dichloropropene	7.75	75	106790	50.931	ug/l	99
37) Ethyl Acetate	6.88	43	128333	52.208	ug/l	99
38) Carbon Tetrachloride	7.73	117	85436	44.904	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	119966	51.018	ug/l	99
40) Benzene	8.00	78	319488	51.144	ug/l	98
41) Methacrylonitrile	7.12	41	64563	63.260	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	117496	49.649	ug/l	99
43) Isopropyl Acetate	8.12	43	212891	52.185	ug/l	99
44) Trichloroethene	8.80	130	79572	47.121	ug/l	100
45) 1,2-Dichloropropane	9.08	63	88170	52.832	ug/l	100
46) Dibromomethane	9.17	93	53417	51.694	ug/l	98
47) Bromodichloromethane	9.37	83	113112	50.999	ug/l	97
48) Methyl methacrylate	9.16	41	97563	52.998	ug/l	98
49) 1,4-Dioxane	9.16	88	19033	910.828	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	631050	262.798	ug/l	100
52) Toluene	10.12	92	191130	50.797	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	130989	52.414	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	139502	52.800	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	76281	50.827	ug/l	98
56) Ethyl methacrylate	10.40	69	125963	48.264	ug/l	97
57) 1,3-Dichloropropane	10.68	76	139564	52.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	331245	272.669	ug/l	98
59) 2-Hexanone	10.72	43	454699	260.278	ug/l	100
60) Dibromochloromethane	10.87	129	78350	49.845	ug/l	99
61) 1,2-Dibromoethane	10.98	107	74843	49.754	ug/l	98
64) Tetrachloroethene	10.60	164	79884	47.363	ug/l	99
65) Chlorobenzene	11.40	112	193695	50.142	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	69928	50.578	ug/l	98
67) Ethyl Benzene	11.48	91	371153	51.326	ug/l	99
68) m/p-Xylenes	11.59	106	270656	102.255	ug/l	98
69) o-Xylene	11.92	106	128530	50.553	ug/l	98
70) Styrene	11.94	104	219826	51.659	ug/l	99
71) Bromoform	12.10	173	52999	52.159	ug/l #	99
73) Isopropylbenzene	12.22	105	347810	51.449	ug/l	99
74) N-amyl acetate	12.04	43	185546	54.202	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	111078	52.695	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	97953m	50.525	ug/l	
77) Bromobenzene	12.50	156	79336	50.838	ug/l	95
78) n-propylbenzene	12.56	91	424487	52.939	ug/l	100
79) 2-Chlorotoluene	12.65	91	245197	52.025	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	296764	53.039	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	40985	53.685	ug/l	98
82) 4-Chlorotoluene	12.75	91	259871	52.316	ug/l	98
83) tert-Butylbenzene	12.97	119	244412	51.805	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	297897	51.677	ug/l	99
85) sec-Butylbenzene	13.15	105	338120	52.566	ug/l	99
86) p-Isopropyltoluene	13.26	119	302631	52.219	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	146396	50.958	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	147493	50.247	ug/l	99
89) n-Butylbenzene	13.59	91	290609	54.699	ug/l	99
90) Hexachloroethane	13.85	117	29806	49.413	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	139687	50.710	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21627	48.578	ug/l	98

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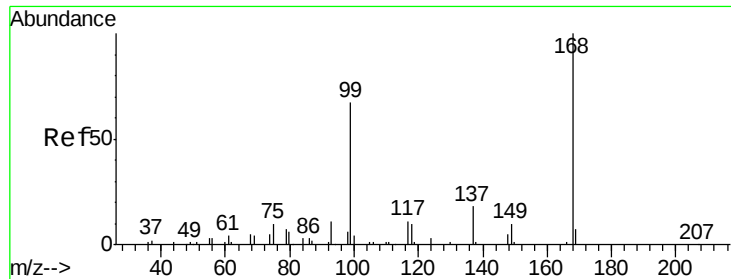
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	90226	53.788	ug/l	100
94) Hexachlorobutadiene	14.99	225	39200	55.938	ug/l	98
95) Naphthalene	15.10	128	272744	49.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	86388	52.163	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 168 Resp: 124945

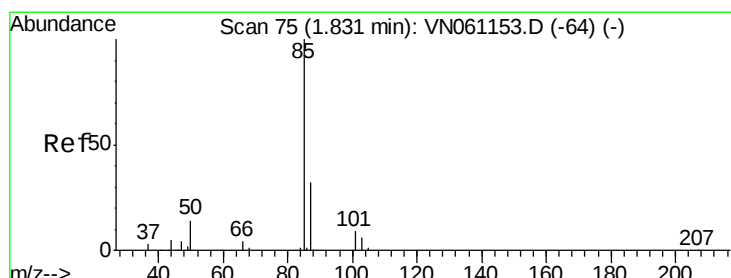
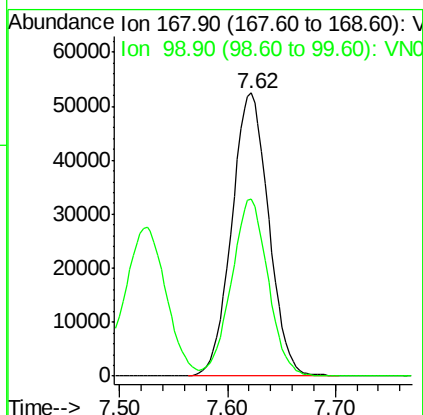
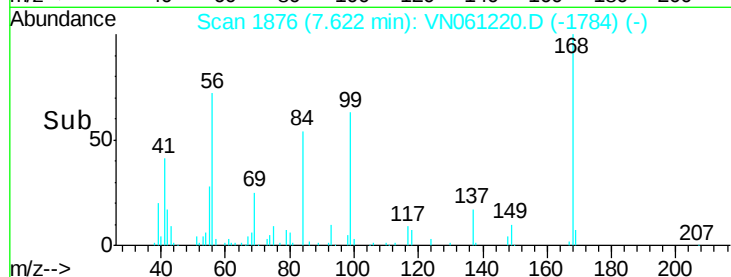
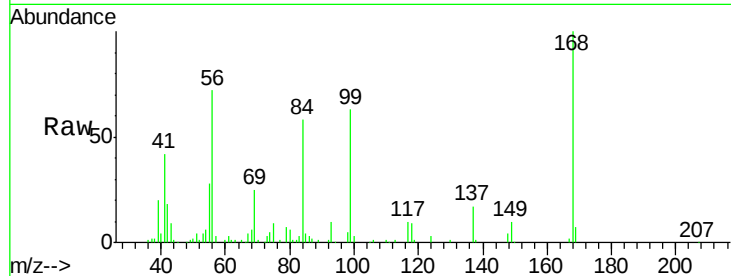
Ion Ratio Lower Upper

168 100

99 62.7 51.2 76.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 46.913 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061220.D

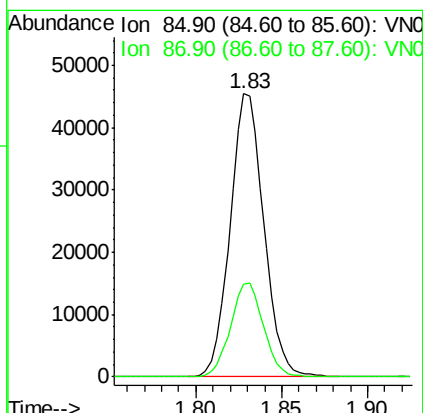
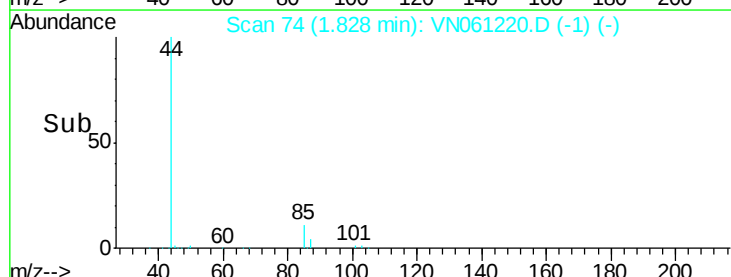
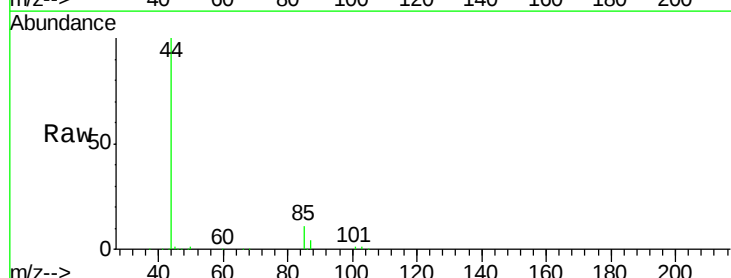
Acq: 1 May 2020 10:43

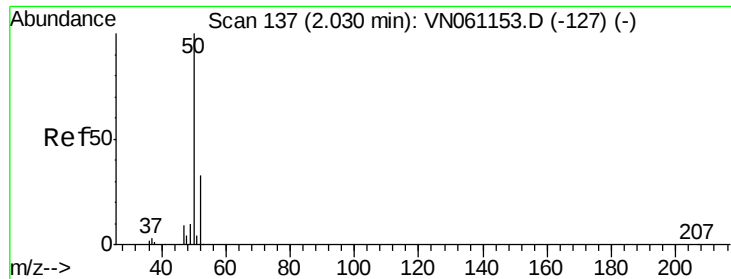
Tgt Ion: 85 Resp: 62157

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2





#3

Chloromethane

Concen: 56.946 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 91380

Ion Ratio Lower Upper

50 100

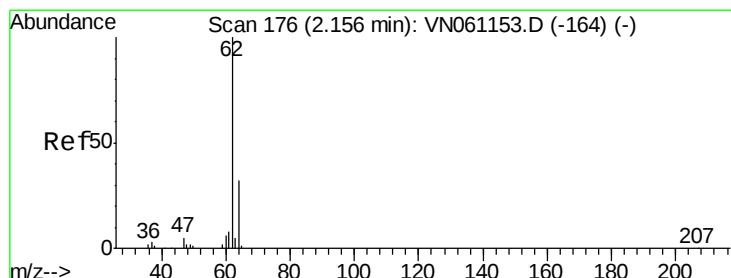
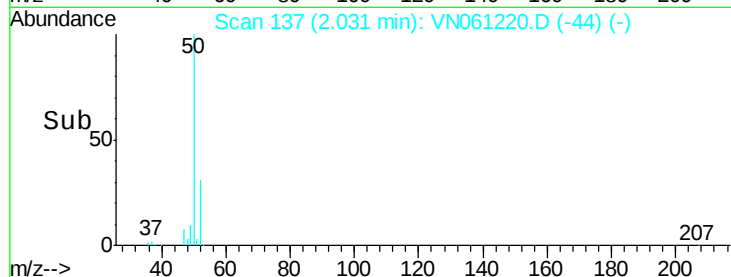
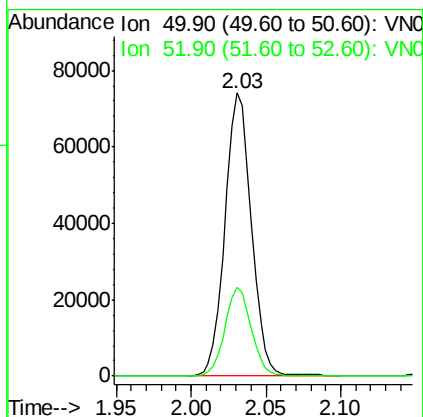
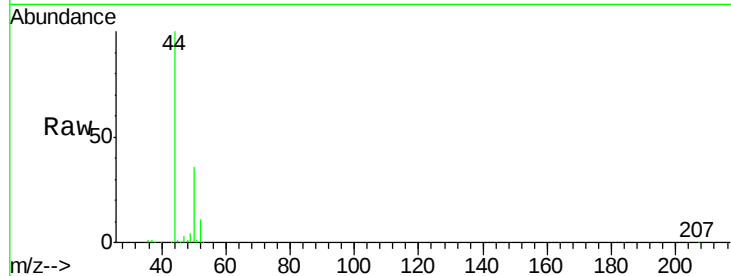
52 31.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.543 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061220.D

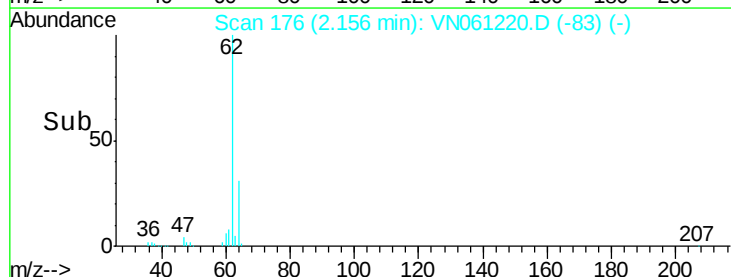
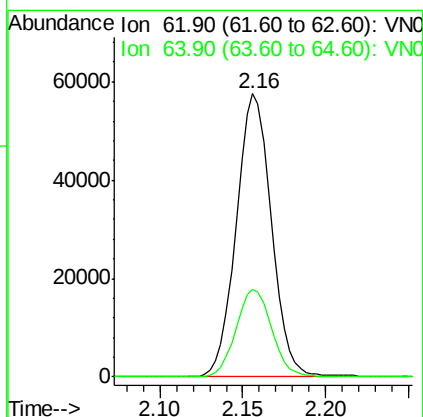
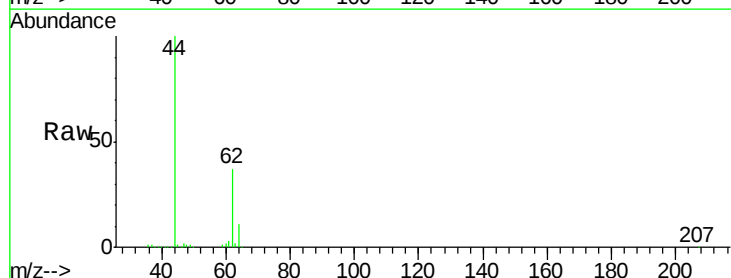
Acq: 1 May 2020 10:43

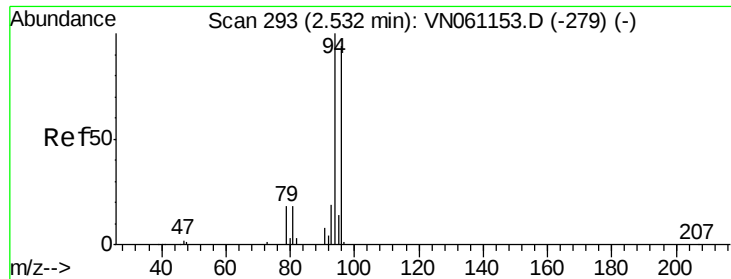
Tgt Ion: 62 Resp: 84829

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8





#5

Bromomethane

Concen: 39.407 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 35503

Ion Ratio Lower Upper

94 100

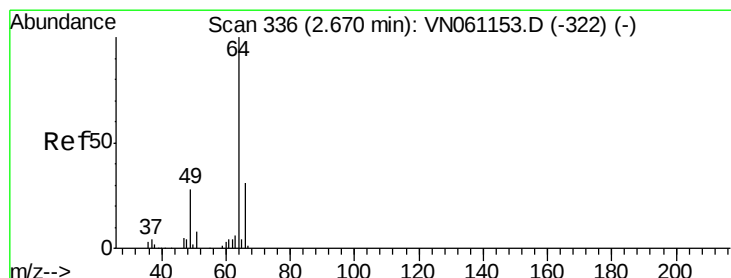
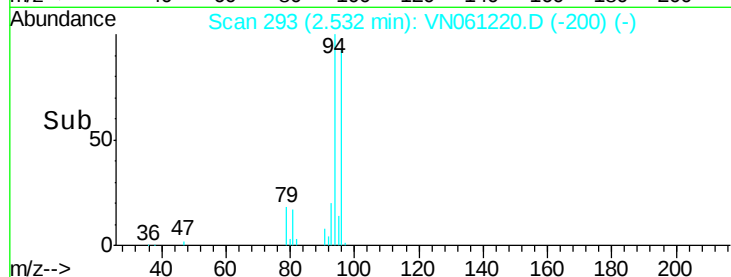
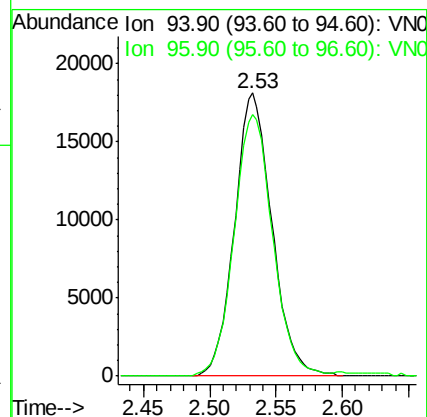
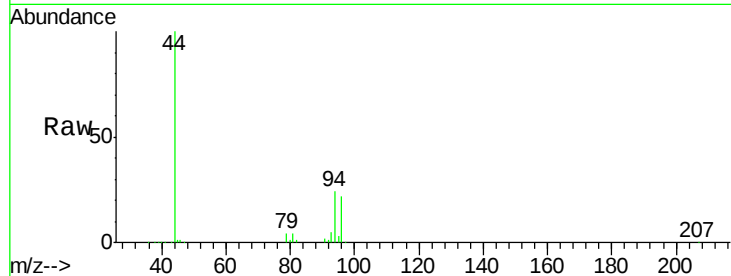
96 92.6 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 42.875 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061220.D

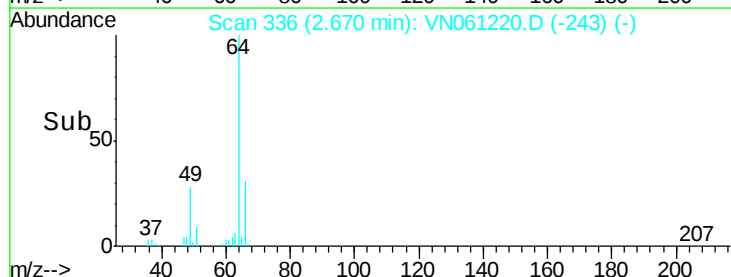
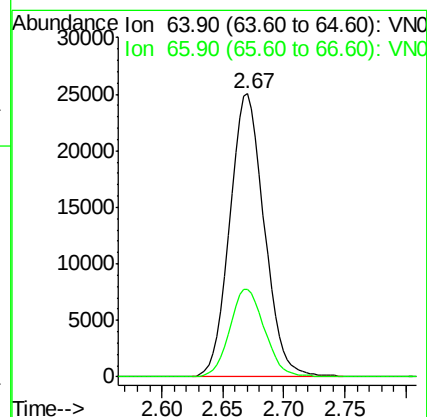
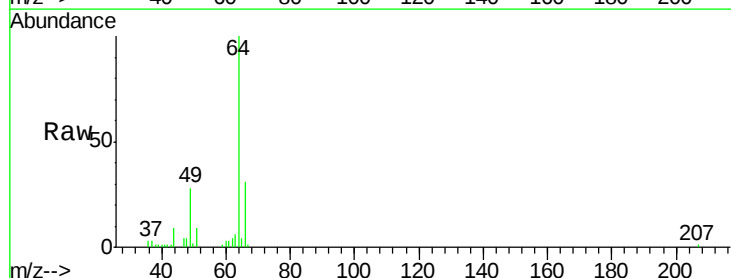
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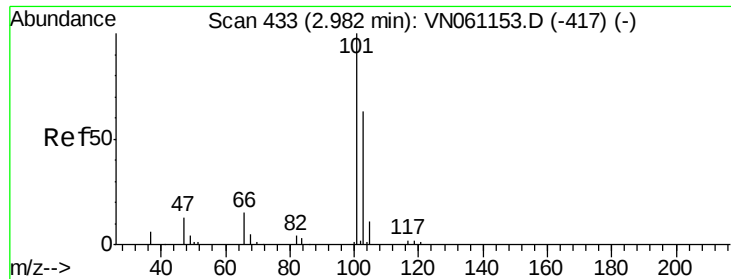
Tgt Ion: 64 Resp: 49530

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8





#7

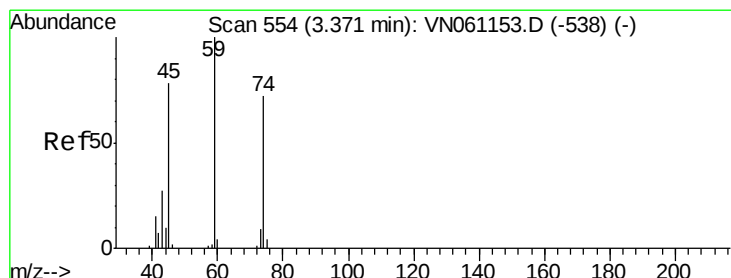
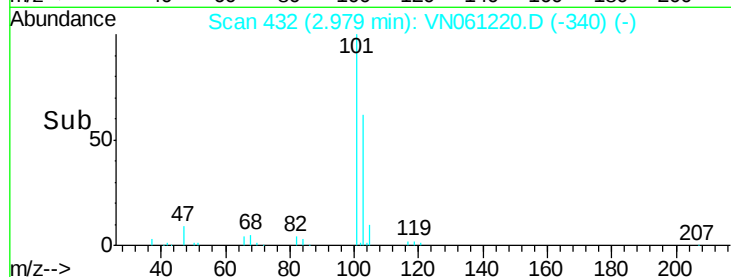
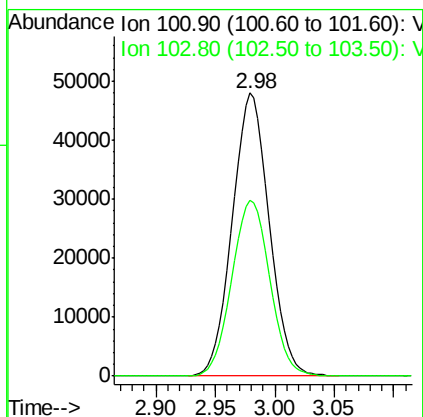
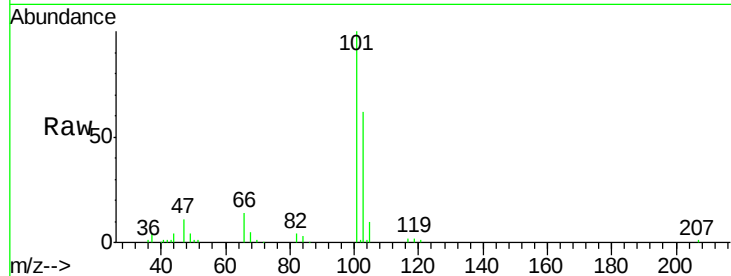
Trichlorofluoromethane
 Concen: 50.208 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	50.6	76.0

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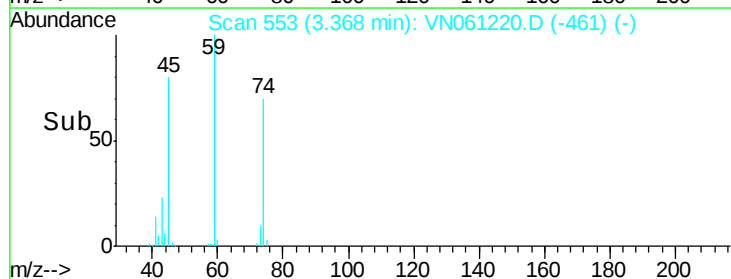
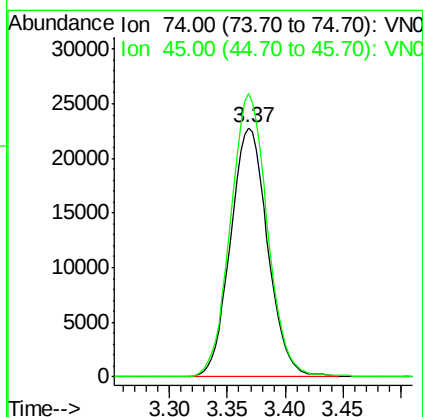
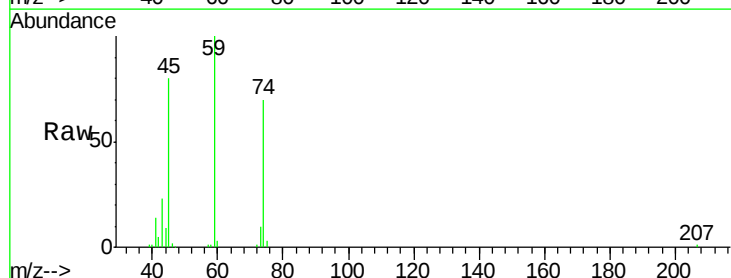
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 5/4/2020 2:57:56 PM



#8

Diethyl Ether
 Concen: 58.999 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.9	53.3	160.0





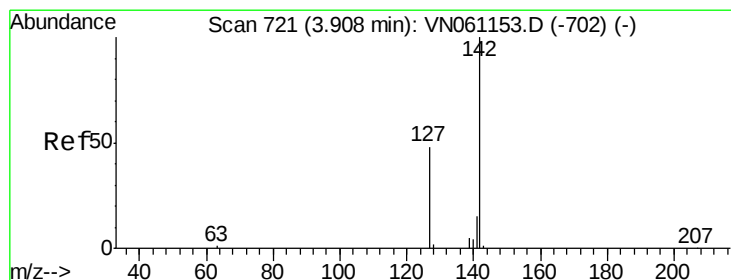
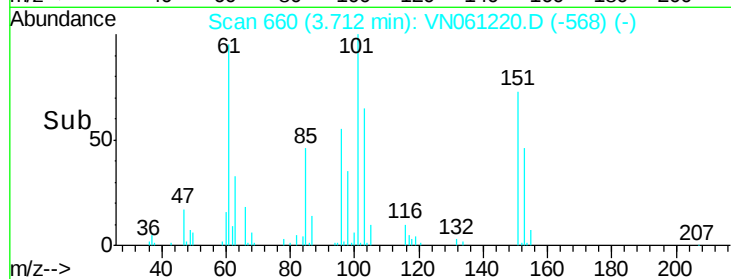
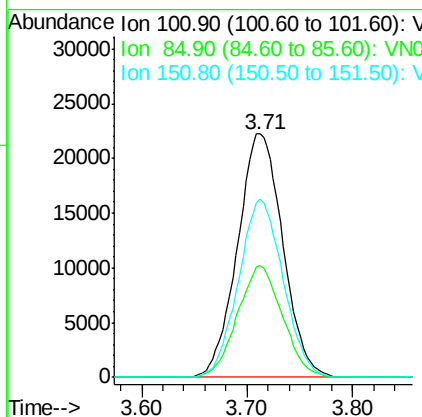
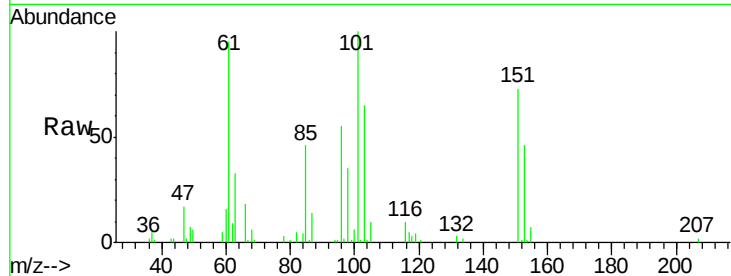
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.153 ug/l
 RT: 3.71 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VN061220.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.3	37.2	55.8
151	72.0	57.7	86.5

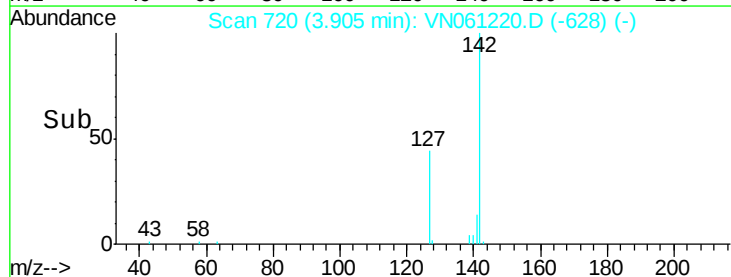
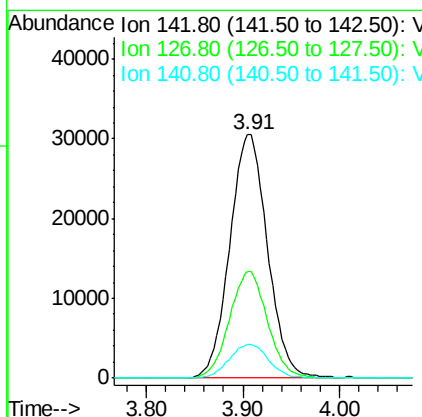
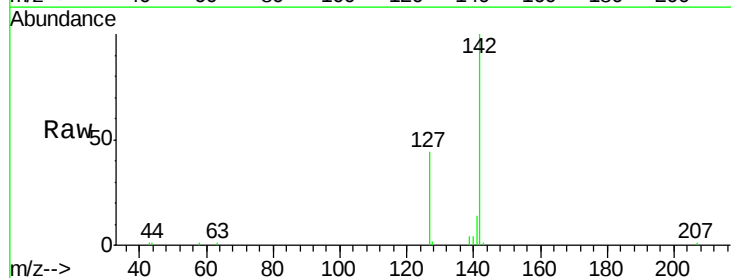
Manual Integrations
 APPROVED

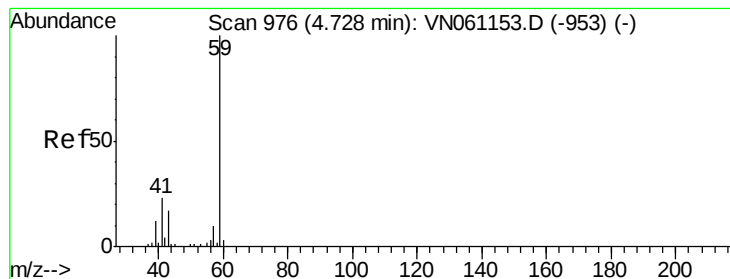
MMDadoda
 5/4/2020 2:57:56 PM



#10
 Methyl Iodide
 Concen: 48.612 ug/l
 RT: 3.91 min Scan# 720
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.0	38.0	57.0
141	14.3	11.7	17.5





#11

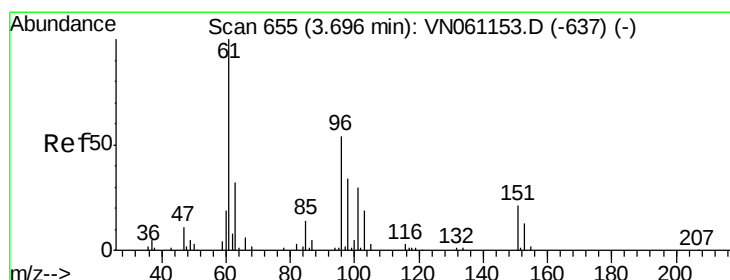
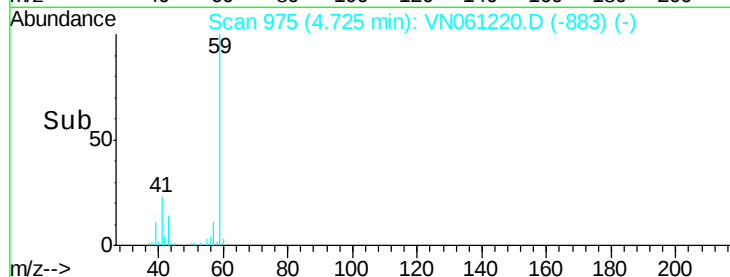
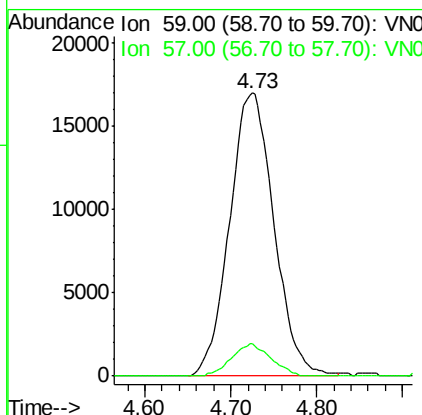
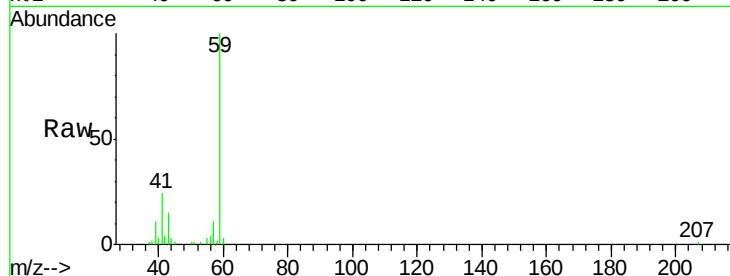
Tert butyl alcohol
Concen: 230.067 ug/l
RT: 4.73 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	60930		
57	10.1		8.3	12.5

Manual Integrations
APPROVED

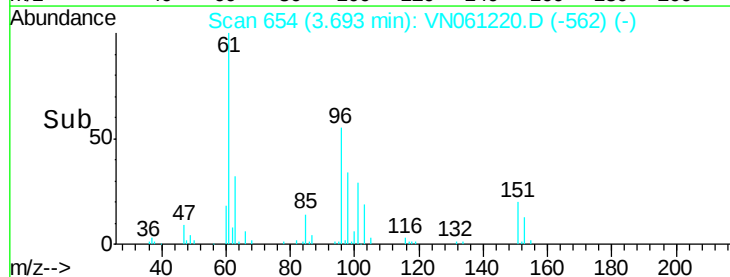
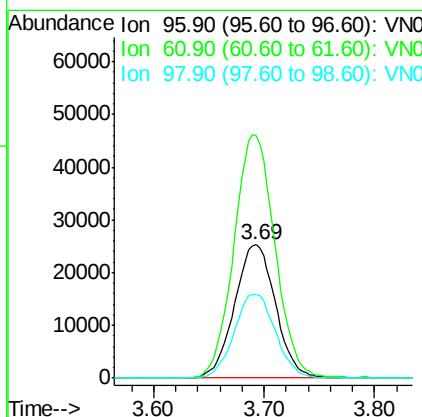
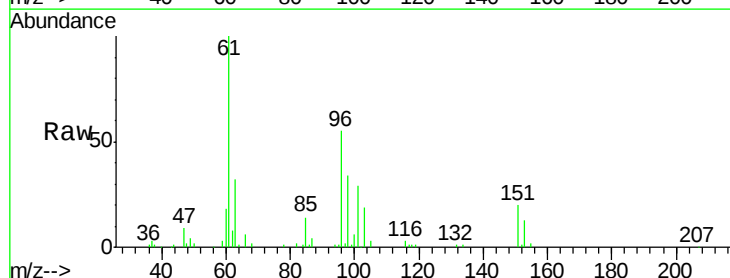
MMDadoda
5/4/2020 2:57:56 PM

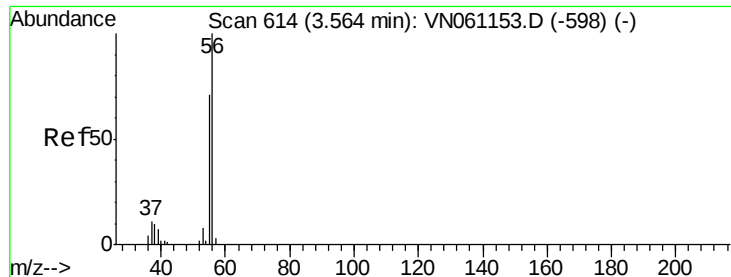


#12

1,1-Dichloroethene
Concen: 49.396 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	65117		
61	182.5		147.0	220.6
98	62.8		49.8	74.6





#13

Acrolein

Concen: 273.979 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48354

Ion Ratio Lower Upper

56 100

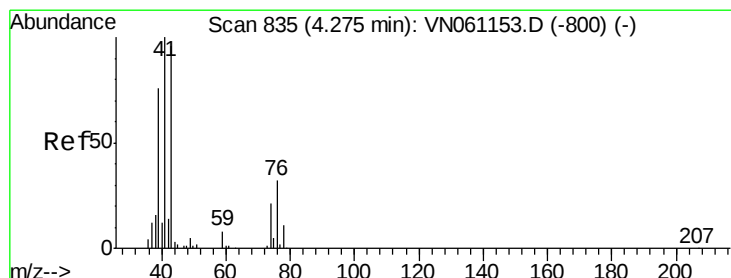
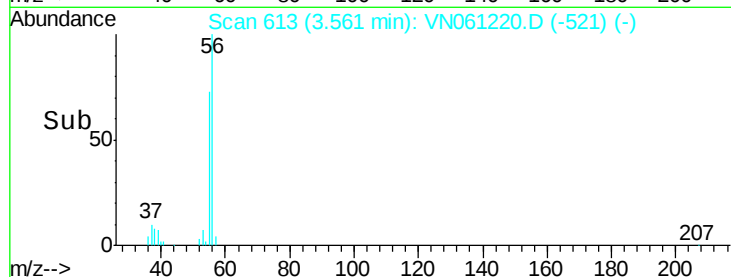
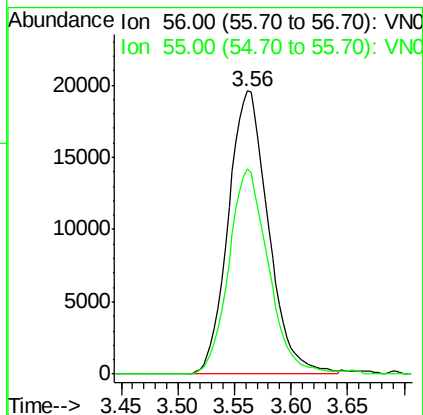
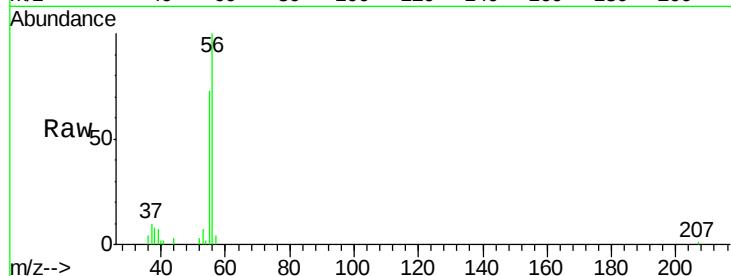
55 71.5 58.5 87.7

Manual Integrations

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MMDadoda

5/4/2020 2:57:56 PM



#14

Allyl chloride

Concen: 61.948 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

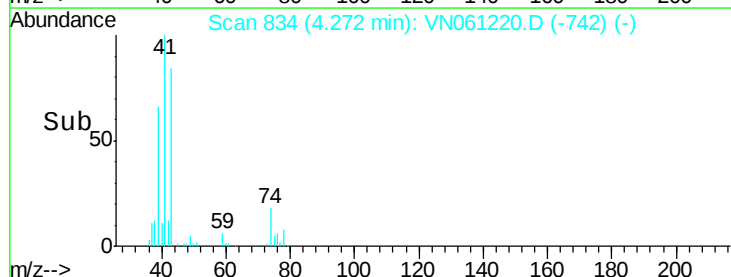
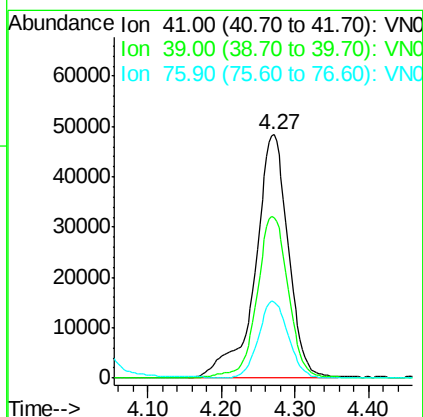
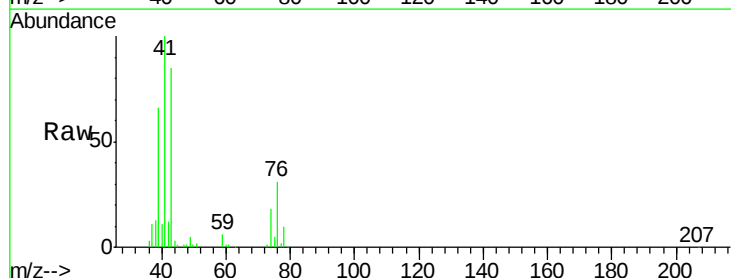
Tgt Ion: 41 Resp: 151419

Ion Ratio Lower Upper

41 100

39 62.9 57.1 85.7

76 28.5 24.3 36.5





#15

Acrylonitrile

Concen: 276.859 ug/l

RT: 4.92 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

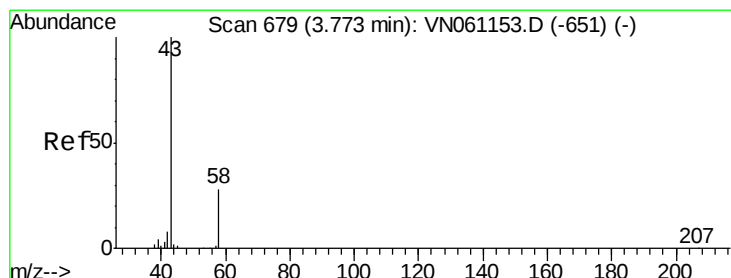
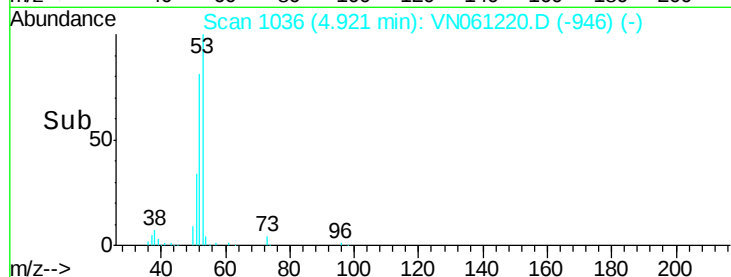
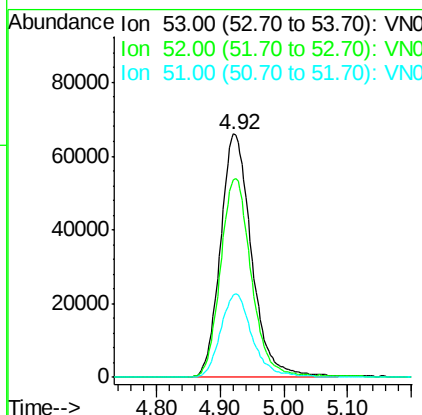
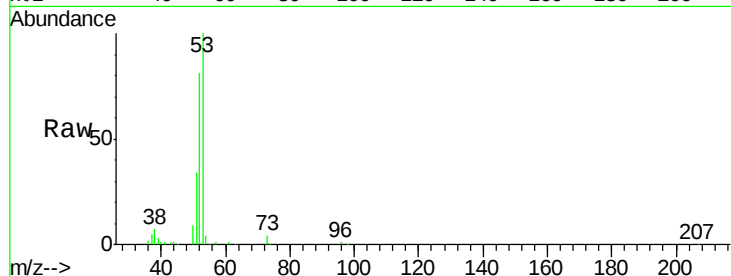
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	225080
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.4	98.0
51	34.8	29.5	44.3

Manual Integrations
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MMDadoda
5/4/2020 2:57:56 PM



#16

Acetone

Concen: 261.320 ug/l

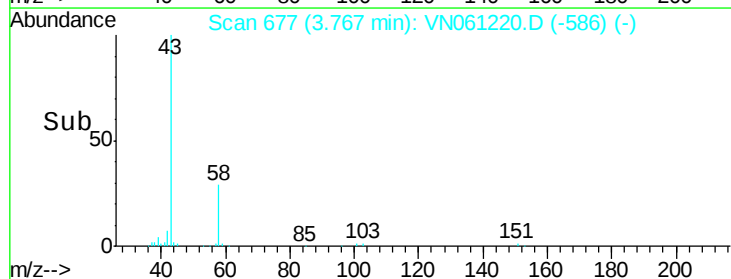
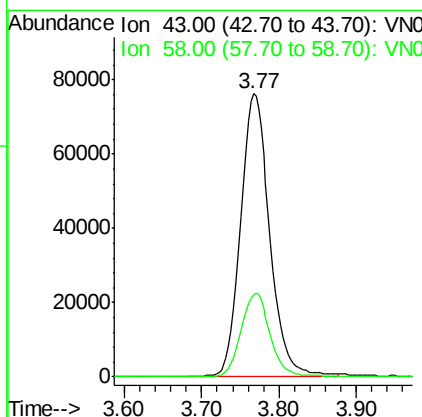
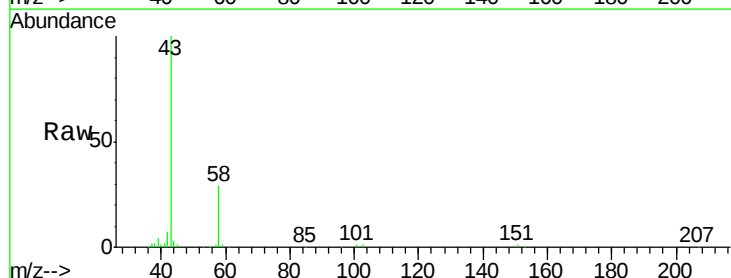
RT: 3.77 min Scan# 677

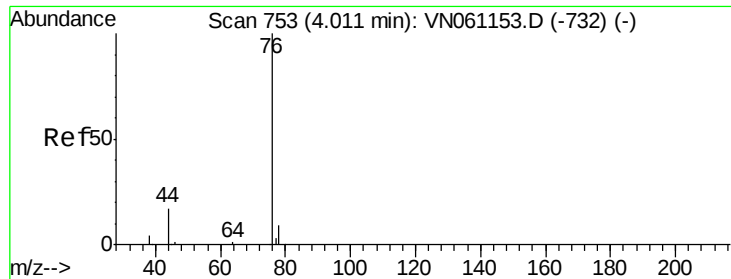
Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tgt Ion:	43	Resp:	199616
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.2	33.2





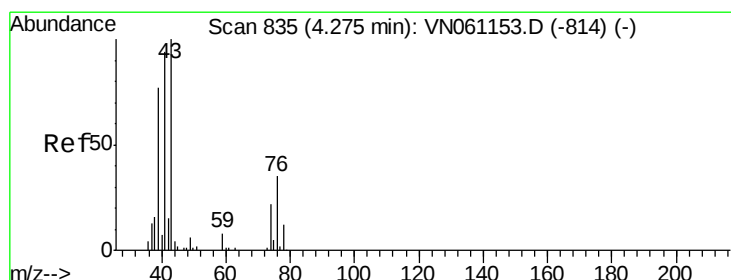
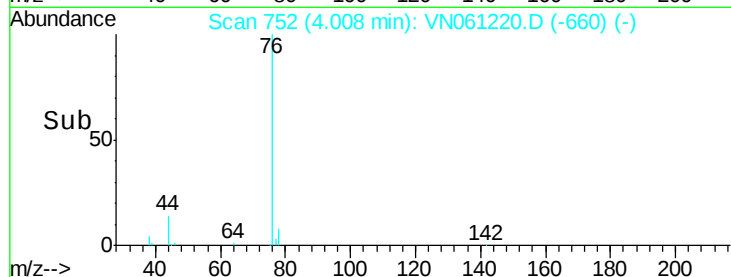
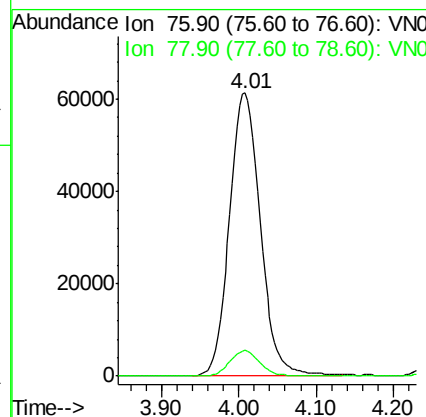
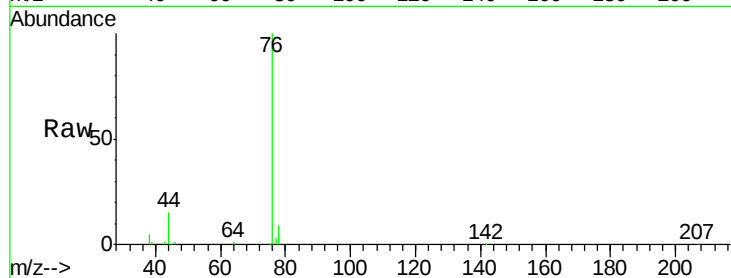
#17
Carbon Disulfide
Concen: 46.803 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

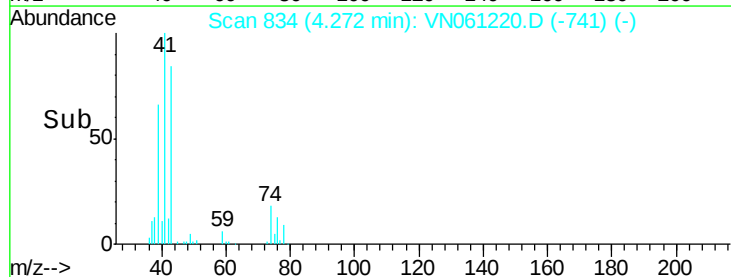
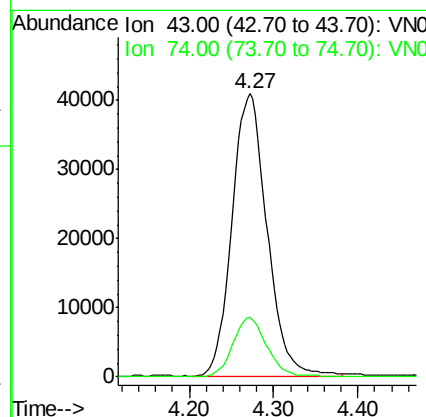
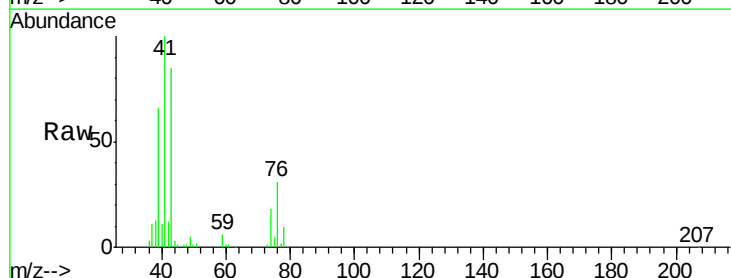
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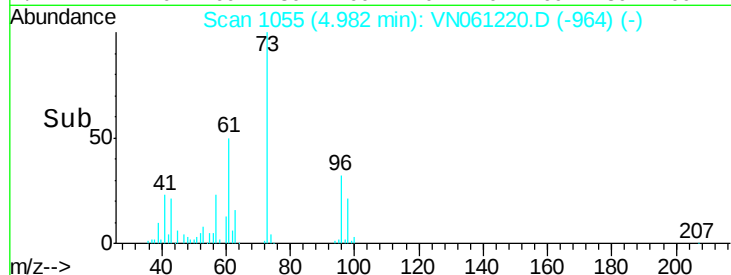
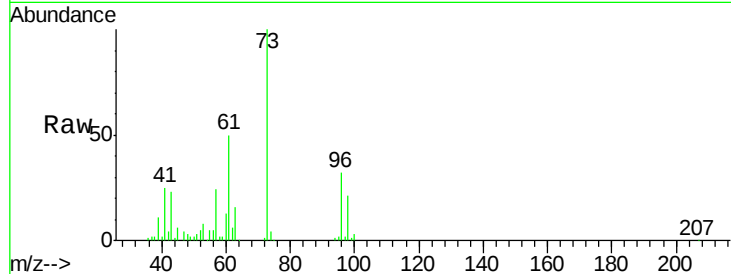
MMDadoda
5/4/2020 2:57:56 PM



#18
Methyl Acetate
Concen: 47.109 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	17.0	25.4





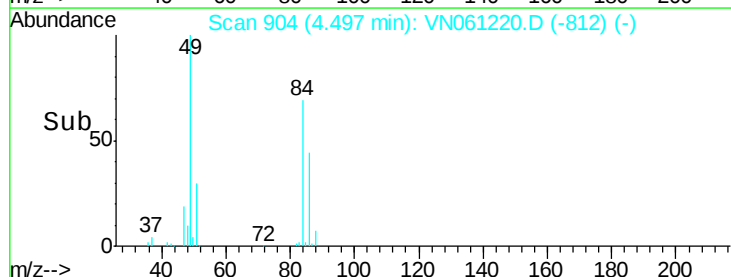
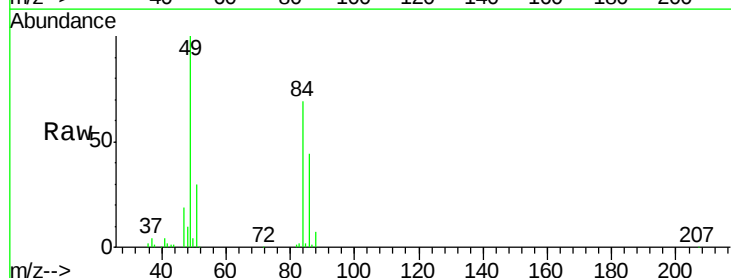
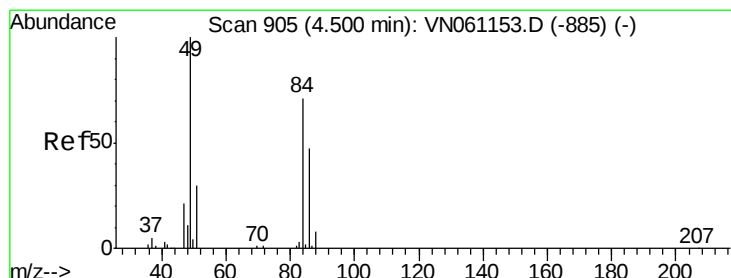
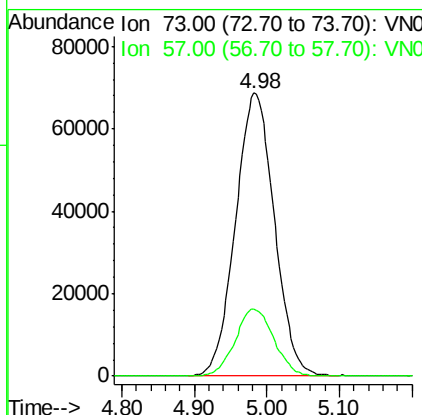
#19
Methyl tert-butyl Ether
Concen: 50.862 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.3	27.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

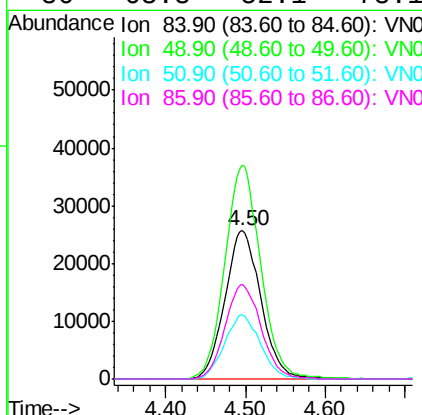
Manual Integrations
APPROVED

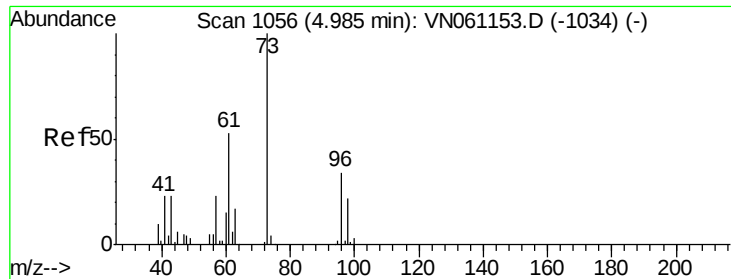
MMDadoda
5/4/2020 2:57:56 PM



#20
Methylene Chloride
Concen: 50.996 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.2	112.0	168.0
51	43.6	33.6	50.4
86	63.8	52.1	78.1





#21

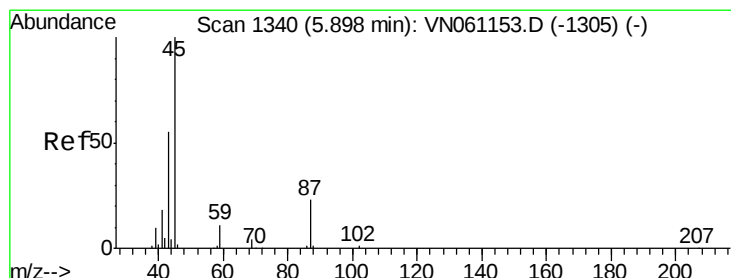
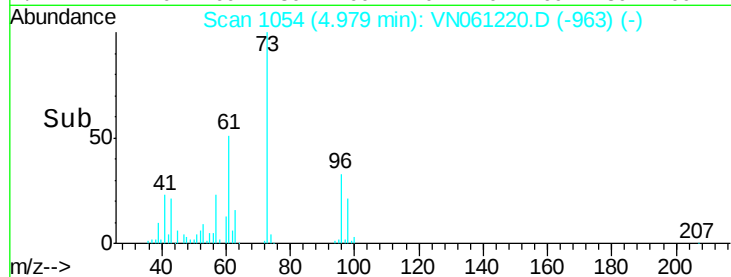
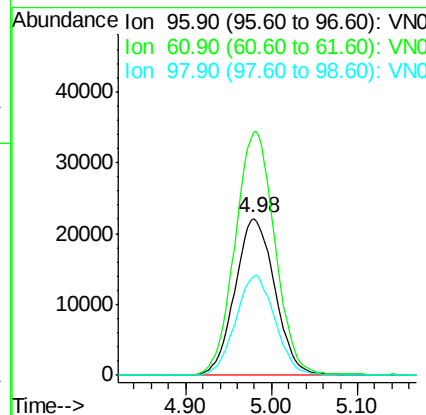
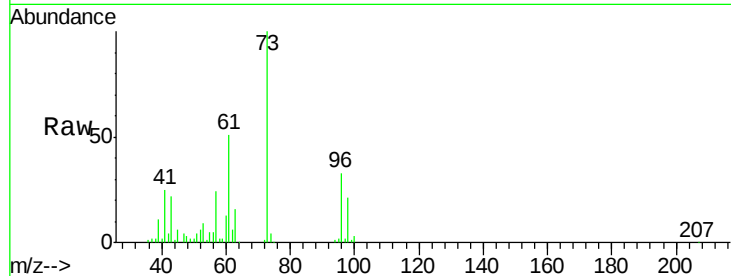
trans-1,2-Dichloroethene
Concen: 49.599 ug/l
RT: 4.98 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.5	123.0	184.4
98	63.3	50.1	75.1

Manual Integrations
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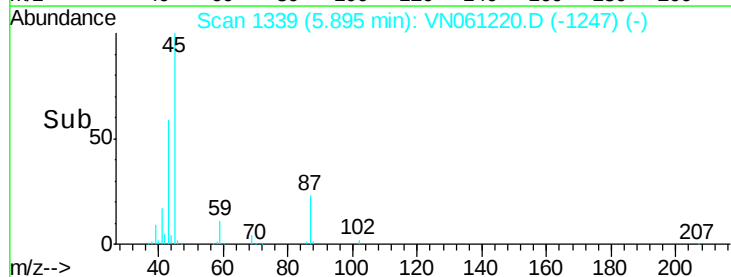
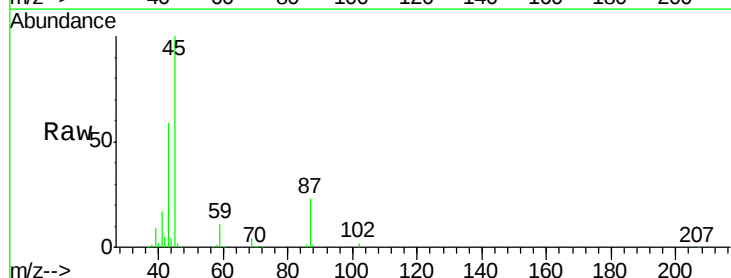
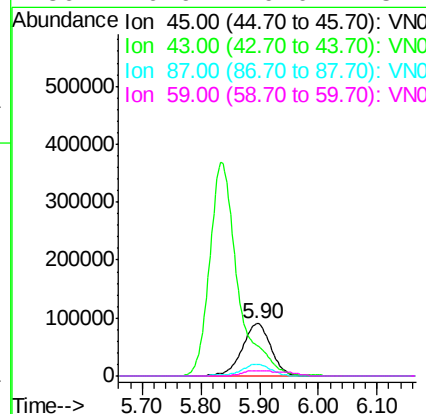
MMDadoda
5/4/2020 2:57:56 PM

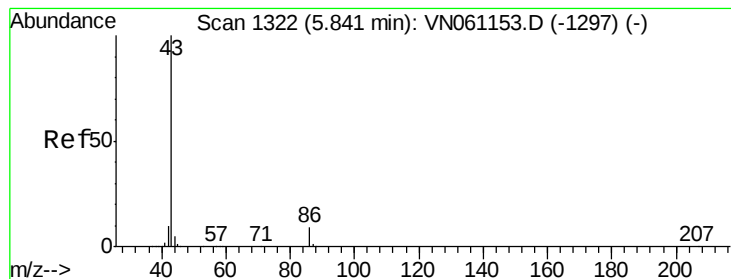


#22

Diisopropyl ether
Concen: 54.496 ug/l
RT: 5.90 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	47.9	71.9
87	22.8	19.2	28.8
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 270.791 ug/l

RT: 5.83 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1235858

Ion Ratio Lower Upper

43 100

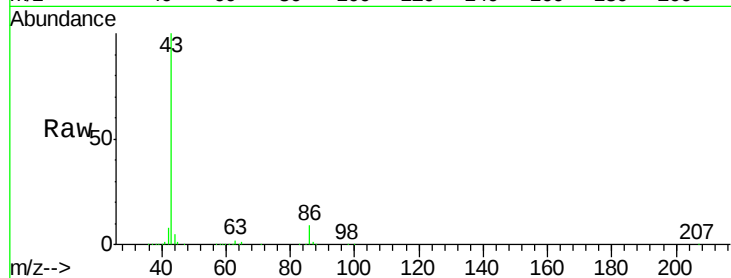
86 8.6 7.2 10.8

Manual Integrations

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5/4/2020 2:57:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1297) (-)

Ion 86.00 (85.70 to 86.70): VN061153.D (-1297) (-)

5.83

400000

300000

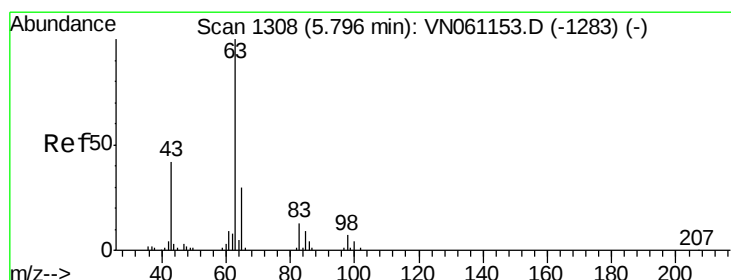
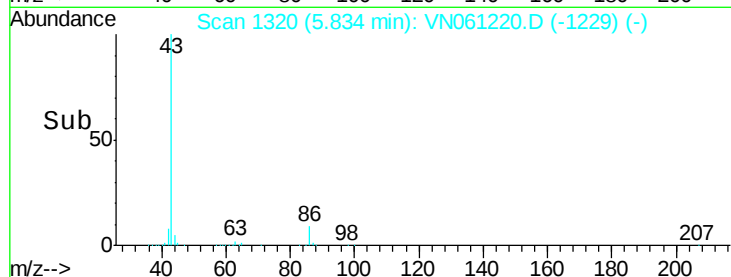
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.004 ug/l

RT: 5.79 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

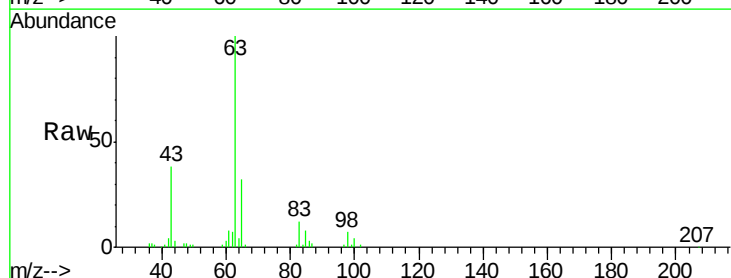
Tgt Ion: 63 Resp: 151050

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.3 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-1283) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1283) (-)

Ion 99.90 (99.60 to 100.60): VN061153.D (-1283) (-)

5.79

60000

50000

40000

30000

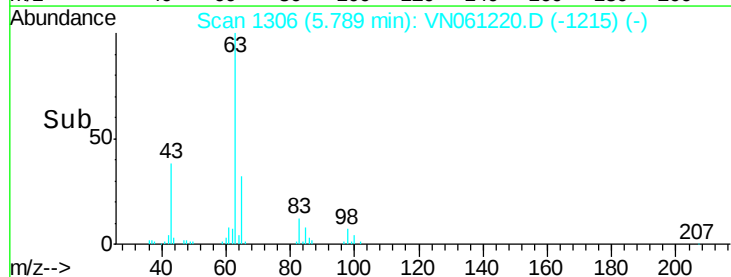
20000

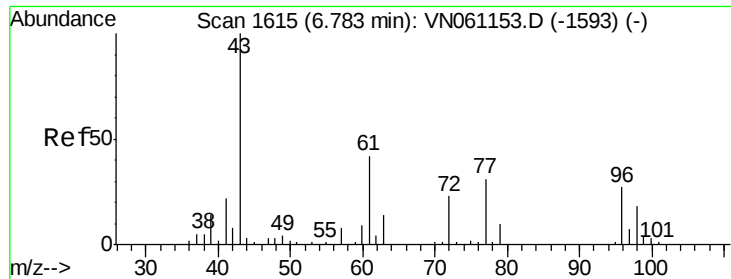
10000

0

5.70 5.80 5.90

Time-->





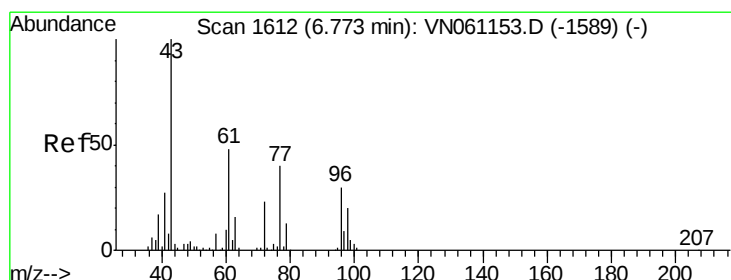
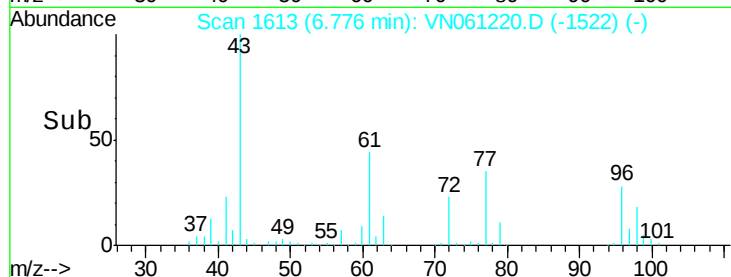
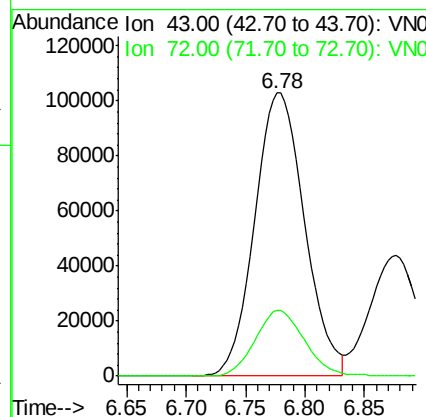
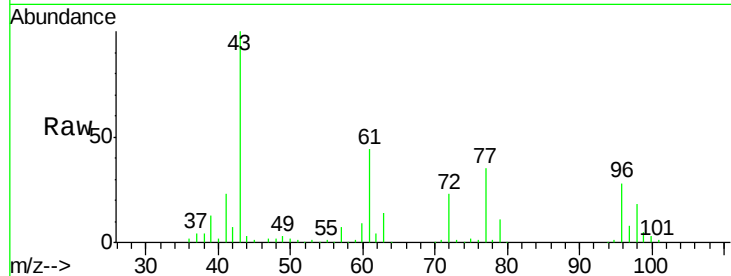
#25
2-Butanone
Concen: 255.654 ug/l
RT: 6.78 min Scan# 1613
Delta R.T. -0.01 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 299080
Ion Ratio Lower Upper
43 100
72 23.3 18.2 27.4

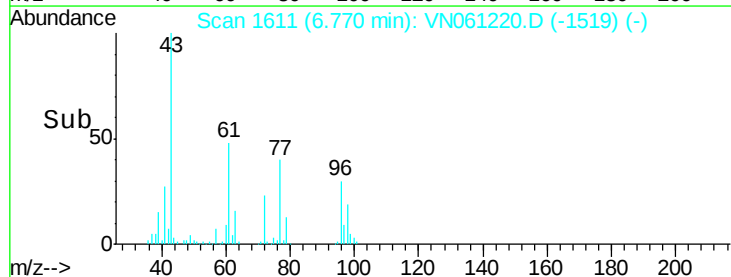
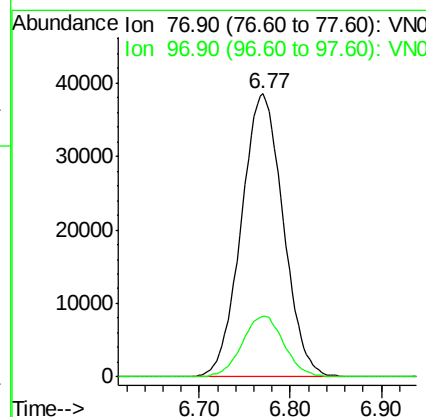
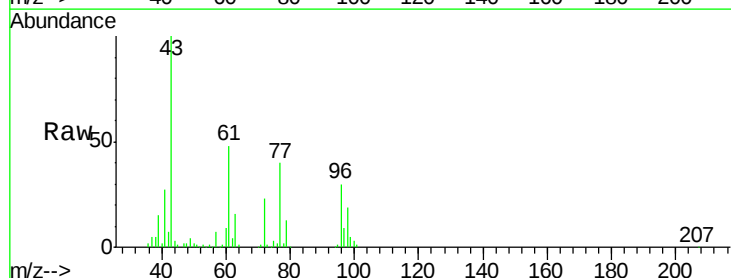
Manual Integrations
APPROVED

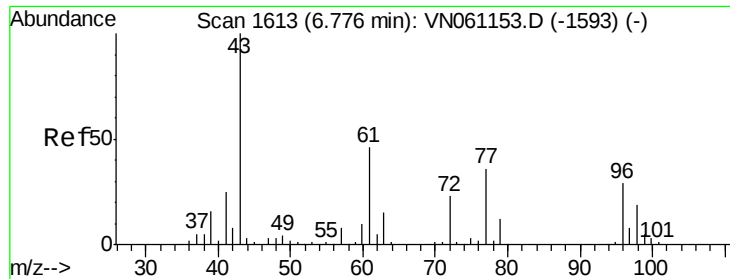
MMDadoda
5/4/2020 2:57:56 PM



#26
2,2-Dichloropropane
Concen: 49.293 ug/l
RT: 6.77 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion: 77 Resp: 122959
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.5





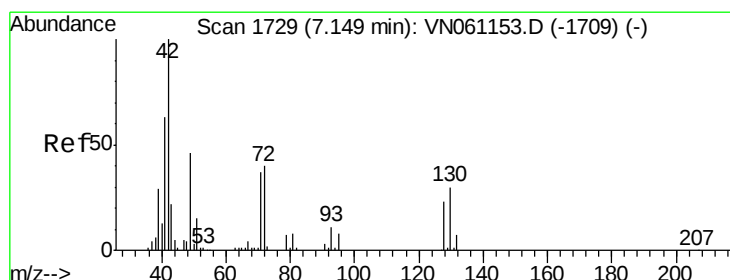
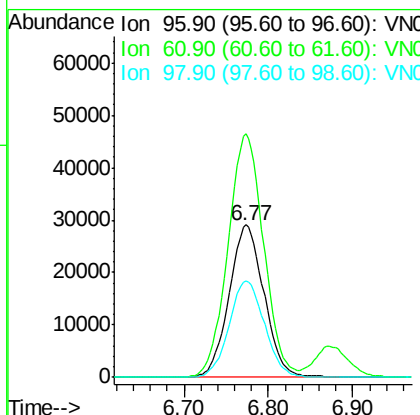
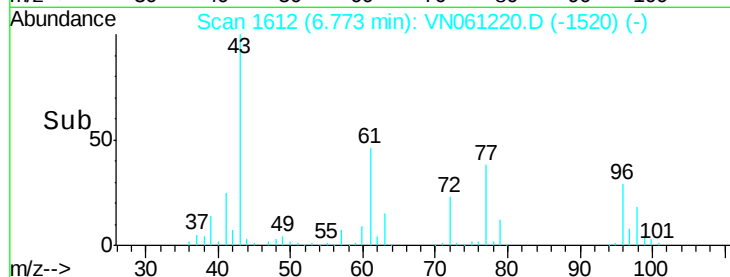
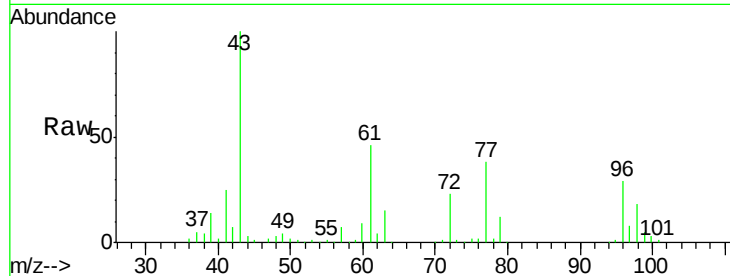
#27
 cis-1,2-Dichloroethene
 Concen: 49.609 ug/l
 RT: 6.77 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.2	0.0	322.0
98	64.0	0.0	129.6

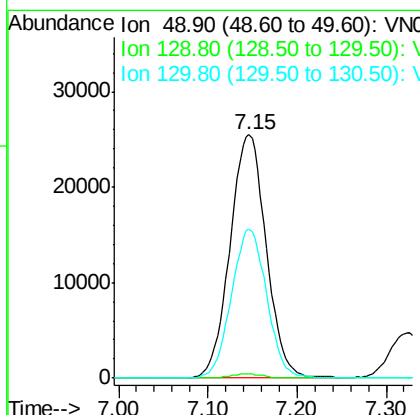
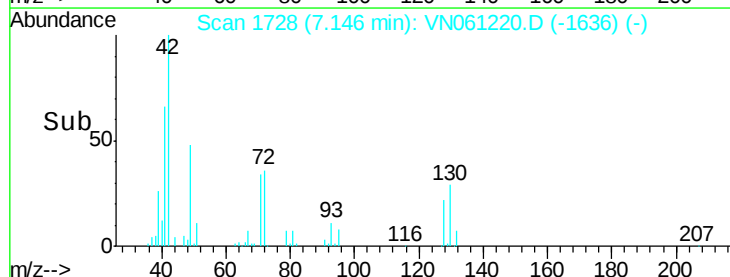
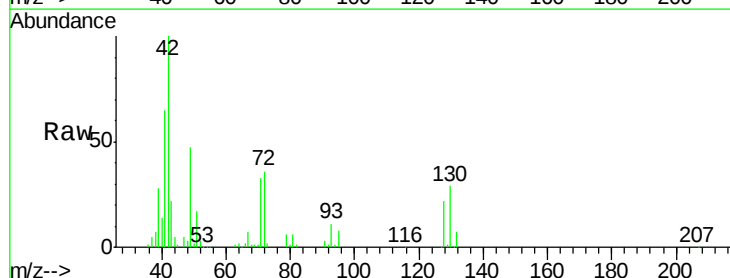
Manual Integrations
 APPROVED

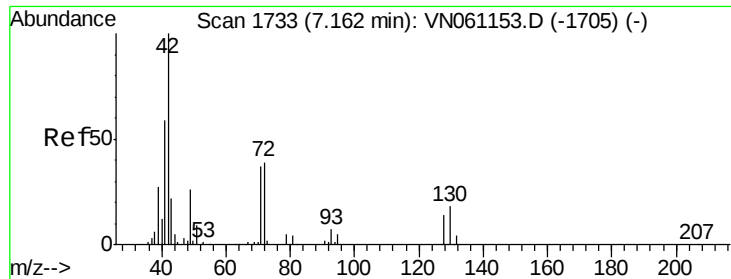
MMDadoda
 5/4/2020 2:57:56 PM



#28
 Bromochloromethane
 Concen: 50.969 ug/l
 RT: 7.15 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	59.5	51.4	77.2





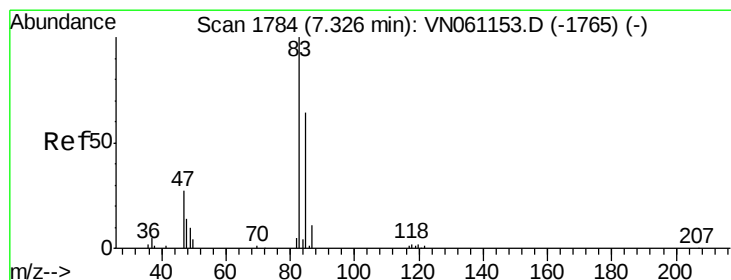
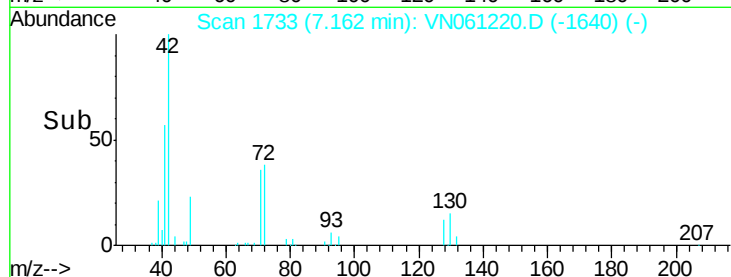
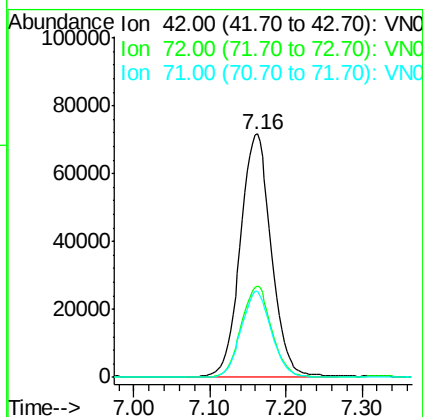
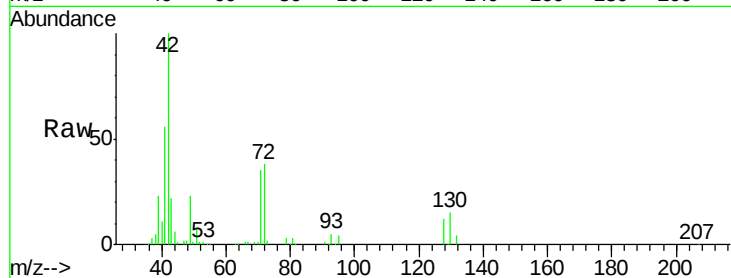
#29
Tetrahydrofuran
Concen: 258.743 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	31.4	47.0
71	34.3	29.5	44.3

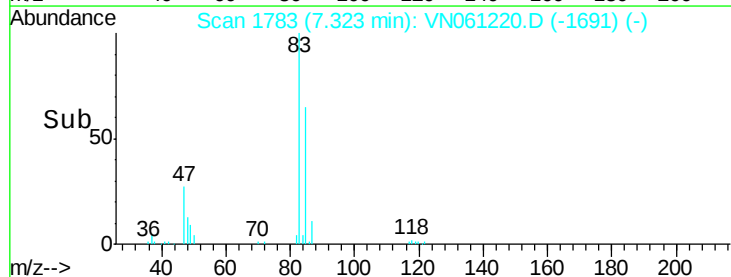
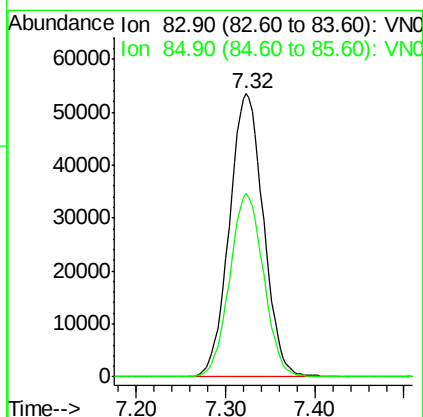
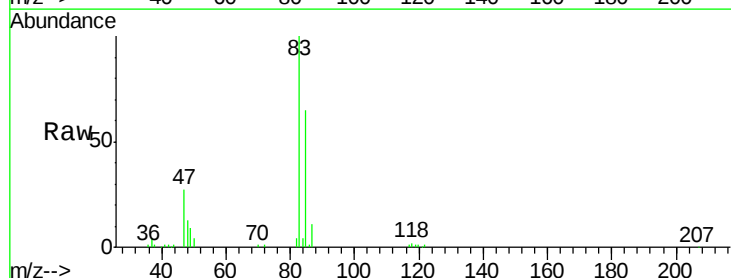
Manual Integrations
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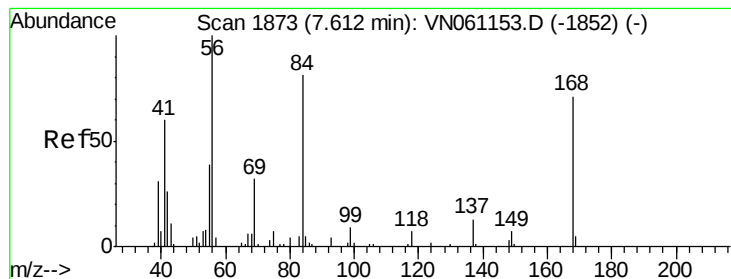
MMDadoda
5/4/2020 2:57:56 PM



#30
Chloroform
Concen: 47.099 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7





#31

Cyclohexane

Concen: 46.732 ug/l

RT: 7.61 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

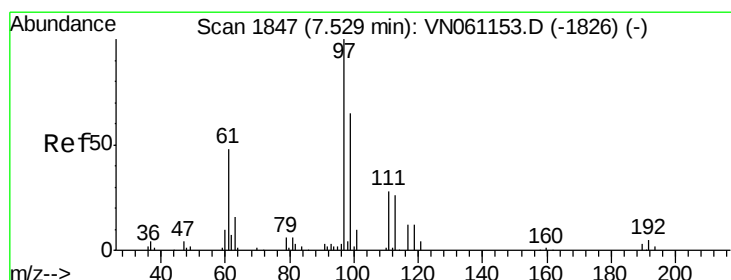
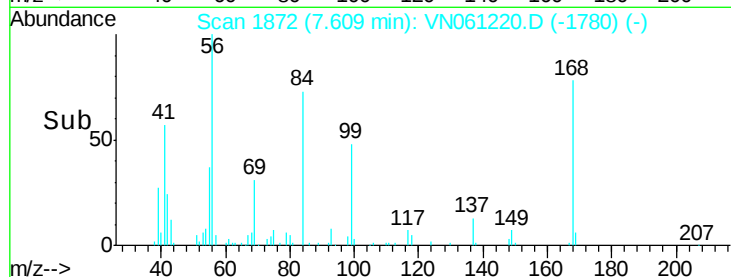
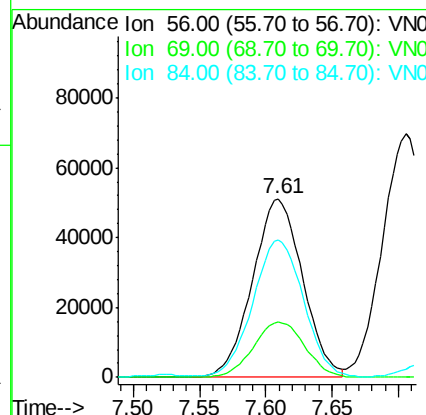
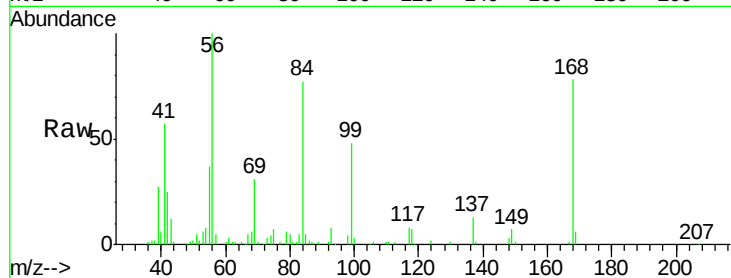
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	134405
Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.7	38.5
84	76.2	64.6	97.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.236 ug/l

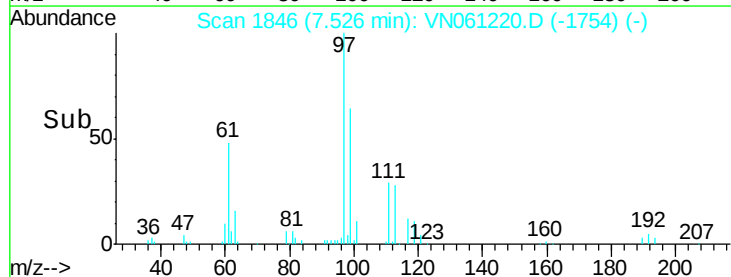
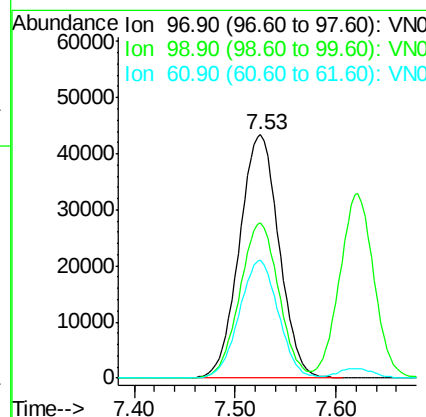
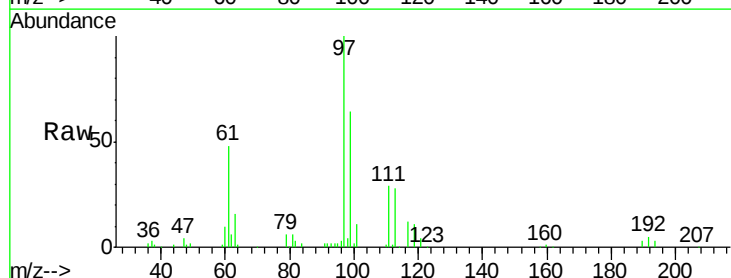
RT: 7.53 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tgt Ion:	97	Resp:	118218
Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.3	76.9
61	47.9	38.6	57.8





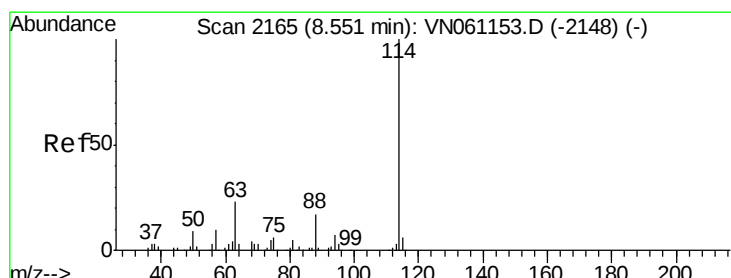
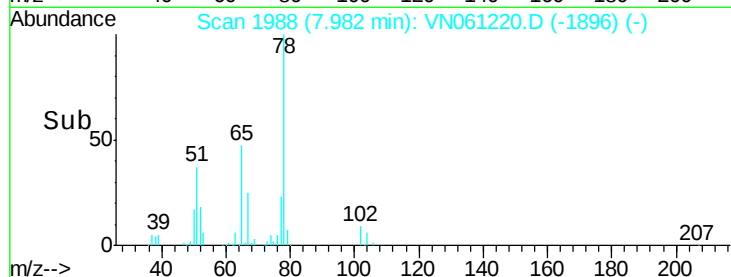
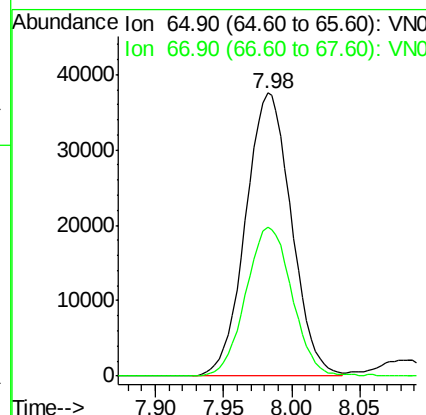
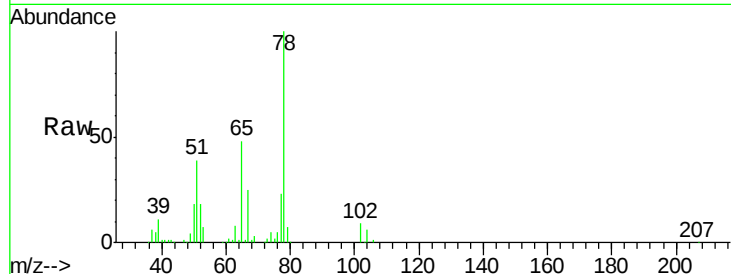
#33
 1,2-Dichloroethane-d4
 Concen: 44.247 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	101.6

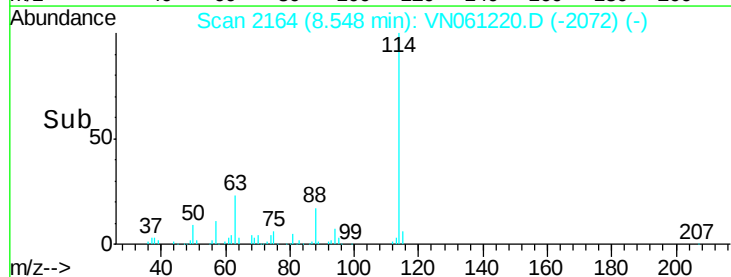
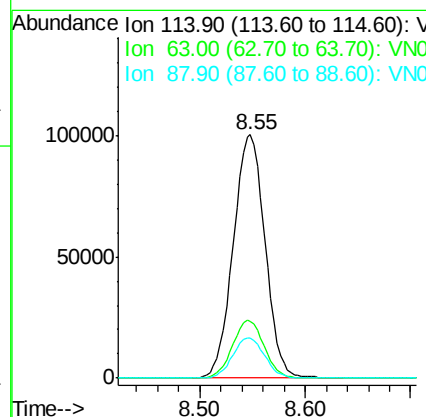
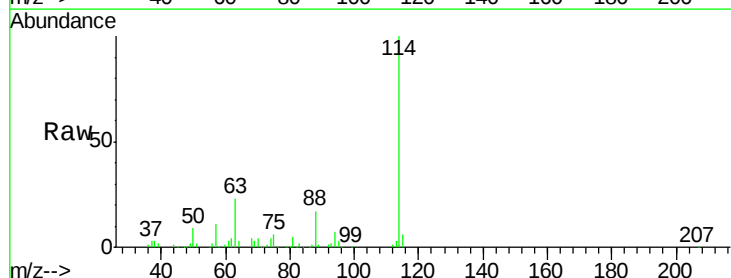
Manual Integrations
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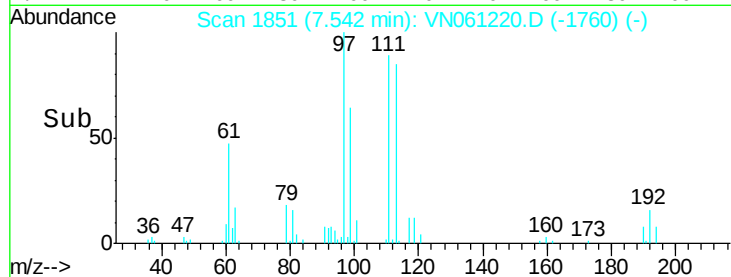
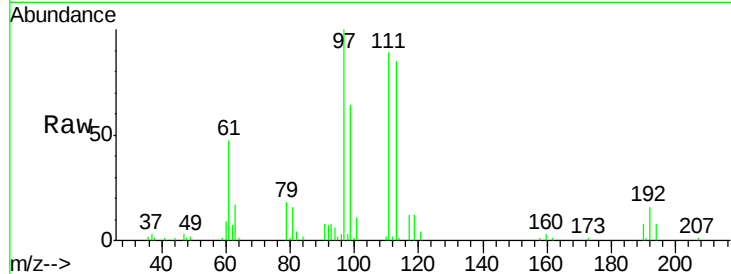
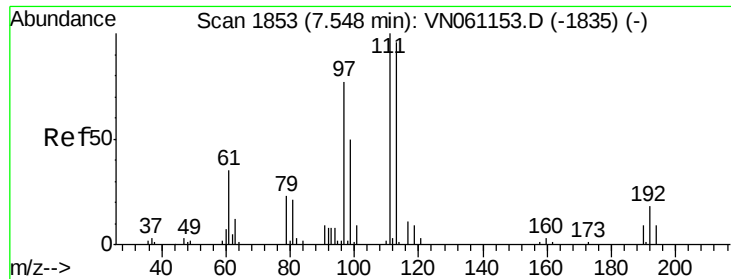
MMDadoda
 5/4/2020 2:57:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.6
88	16.6	0.0	33.4





#35

Dibromofluoromethane

Concen: 46.171 ug/l

RT: 7.54 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tot Ion:	113	Resp:	57186
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	18.9	14.7	22.1

Instrument :

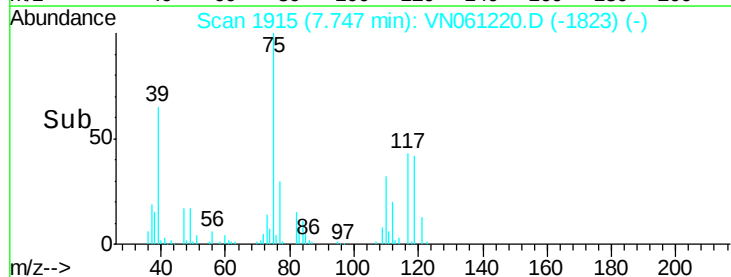
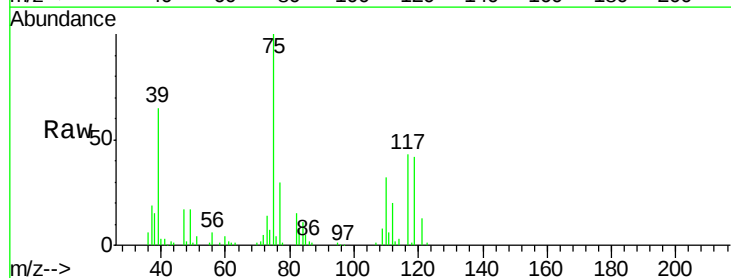
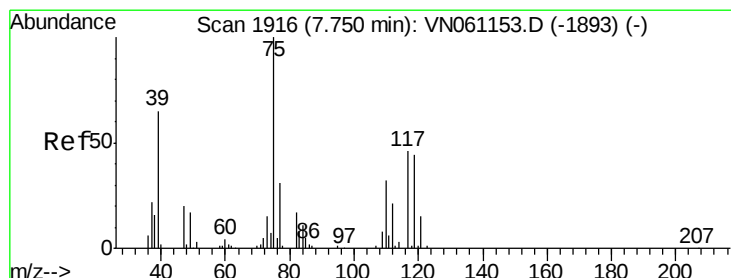
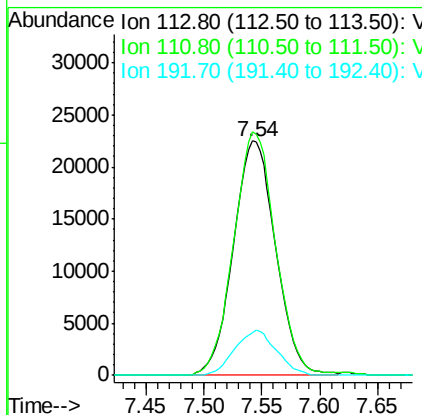
MSVOA_N

ClientSampleId :

VSTDCCC050

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5/4/2020 2:57:56 PM



#36

1,1-Dichloropropene

Concen: 50.931 ug/l

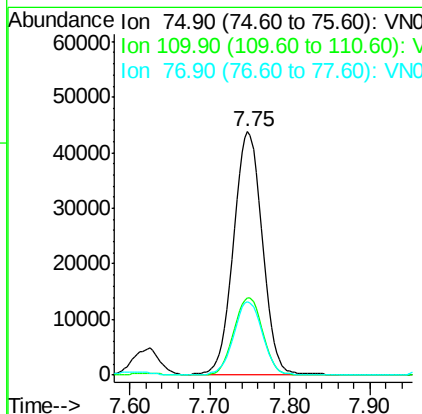
RT: 7.75 min Scan# 1915

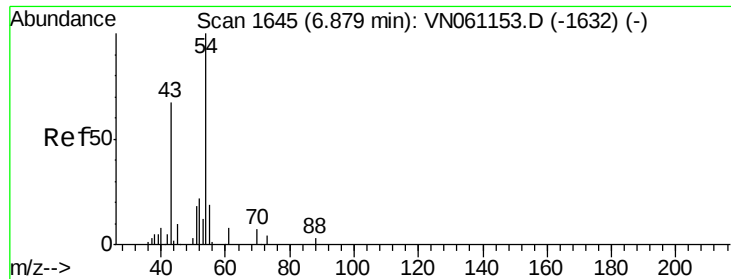
Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tgt Ion:	75	Resp:	106790
Ion	Ratio	Lower	Upper
75	100		
110	31.7	16.0	48.0
77	30.1	24.6	37.0





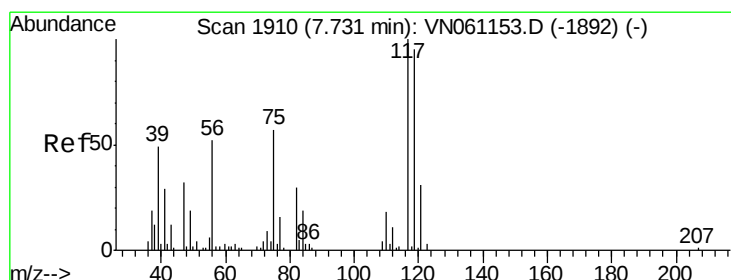
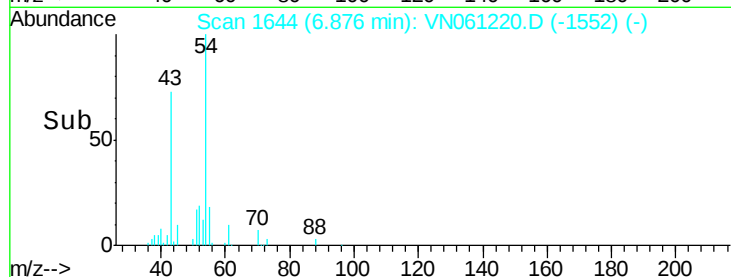
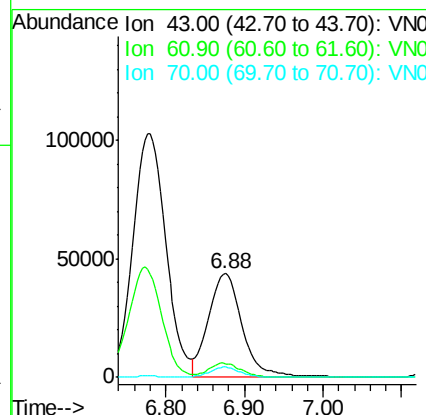
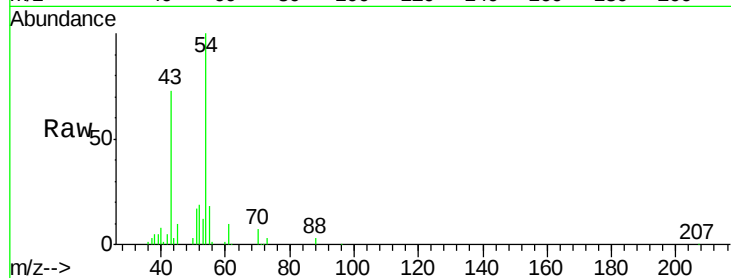
#37
Ethyl Acetate
Concen: 52.208 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.2	15.2
70	9.0	7.2	10.8

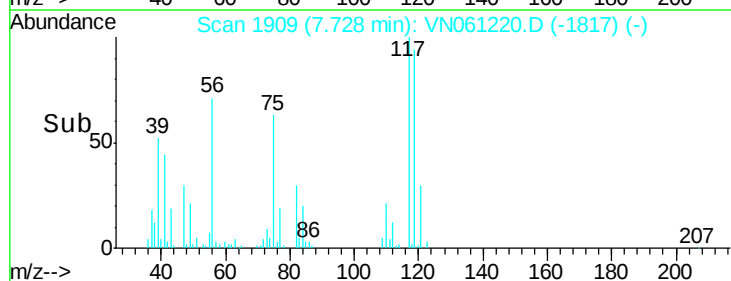
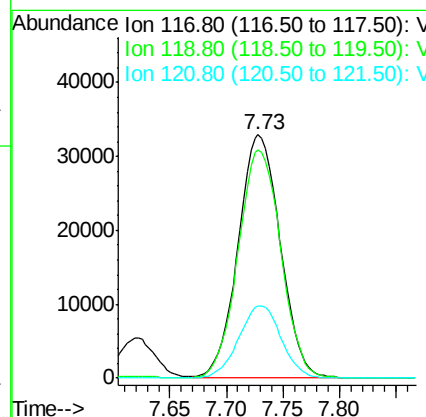
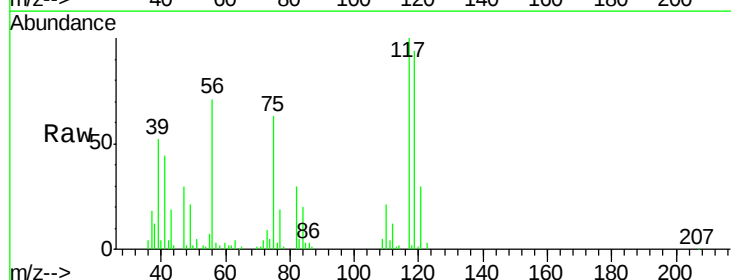
Manual Integrations
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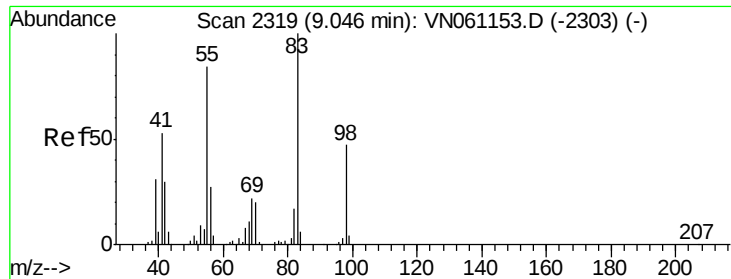
MMDadoda
5/4/2020 2:57:56 PM



#38
Carbon Tetrachloride
Concen: 44.904 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.8	113.6
121	29.7	24.7	37.1





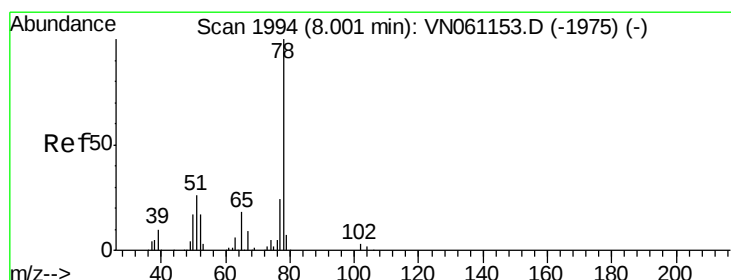
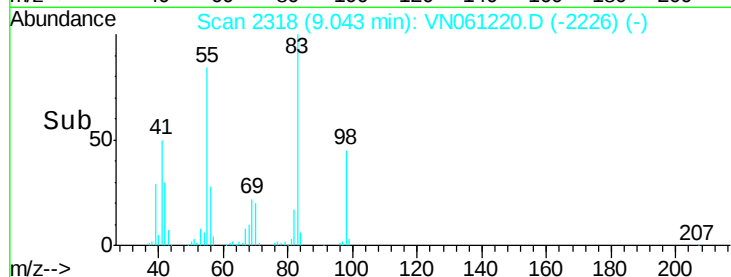
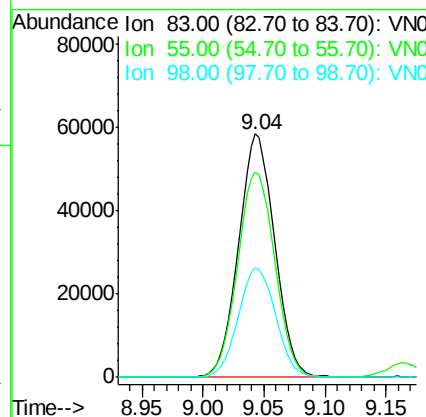
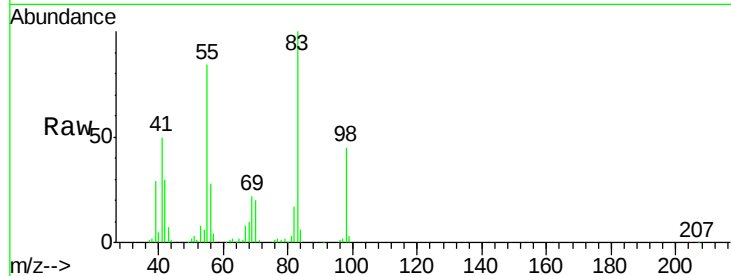
#39
Methvlcvclohexane
Concen: 51.018 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.3	67.3	100.9	
98	44.9	37.7	56.5	

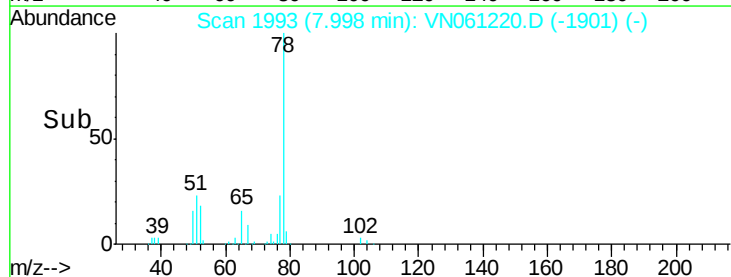
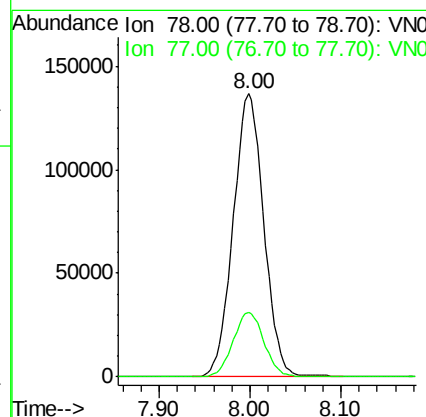
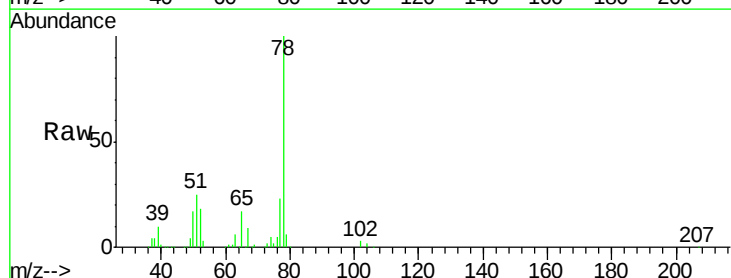
Manual Integrations
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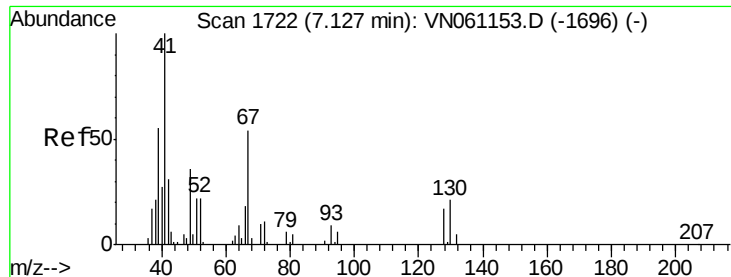
MMDadoda
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#40
Benzene
Concen: 51.144 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.9	19.0	28.6	





#41

Methacrylonitrile

Concen: 63.260 ug/l

RT: 7.12 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 64563

Ion Ratio Lower Upper

41 100

39 61.3 0.0 0.0#

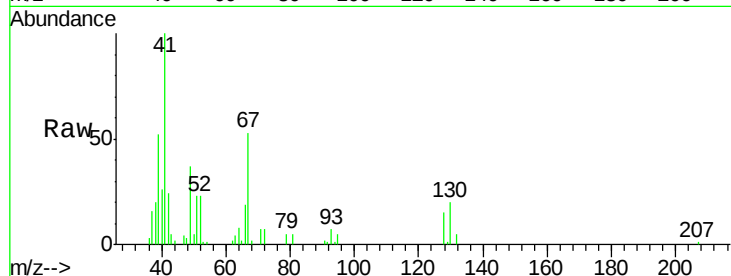
67 68.7 0.0 0.0#

52 30.2 0.0 0.0#

Manual Integrations
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MMDadoda

5/4/2020 2:57:56 PM



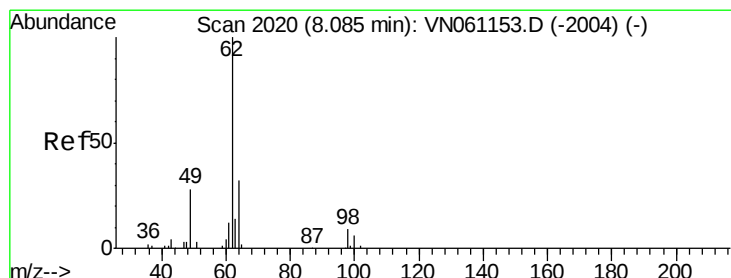
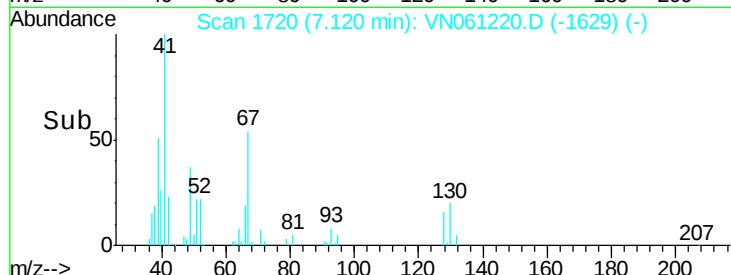
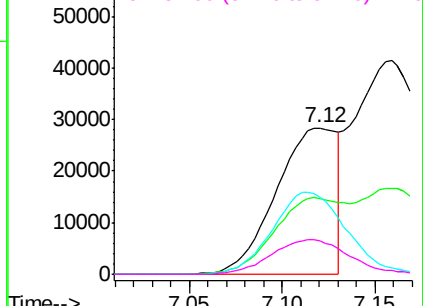
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 49.649 ug/l

RT: 8.08 min Scan# 2019

Delta R.T. -0.00 min

Lab File: VN061220.D

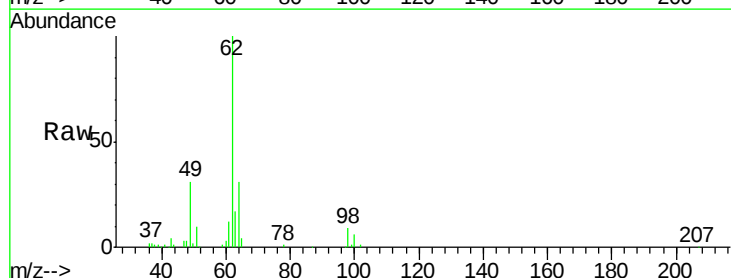
Acq: 1 May 2020 10:43

Tgt Ion: 62 Resp: 117496

Ion Ratio Lower Upper

62 100

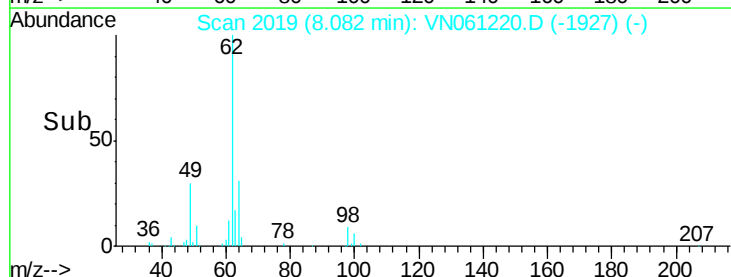
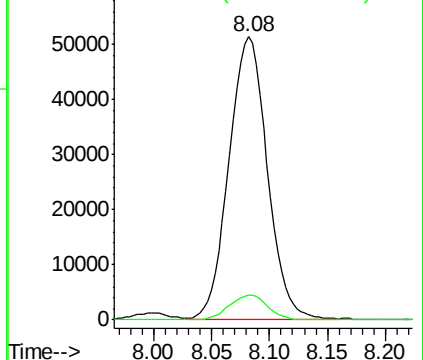
98 8.7 0.0 16.8

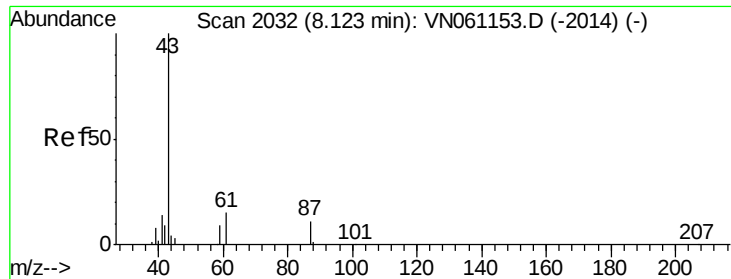


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





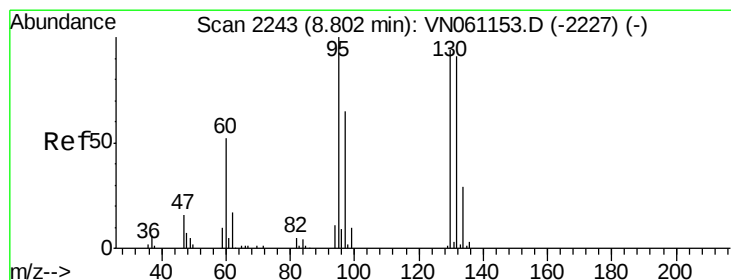
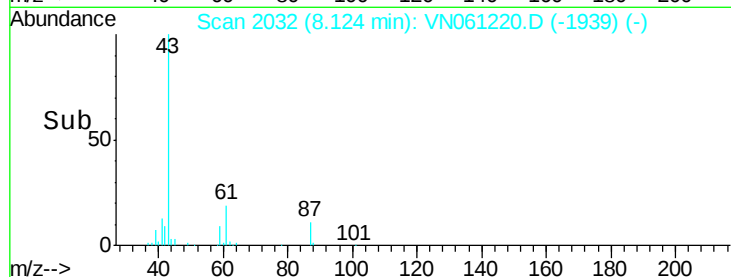
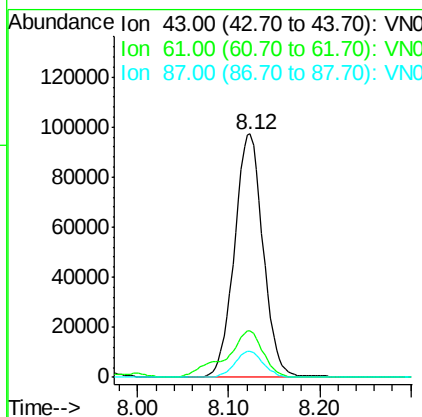
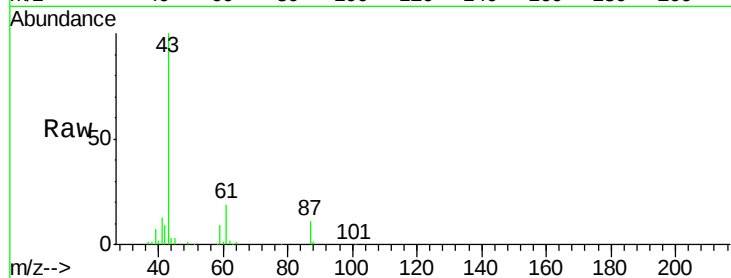
#43
Isopropyl Acetate
Concen: 52.185 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.8	19.5	29.3
87	10.6	8.9	13.3

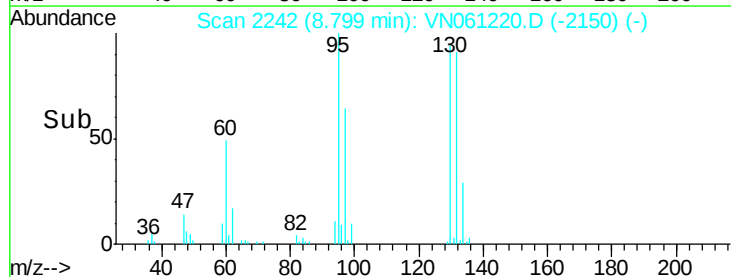
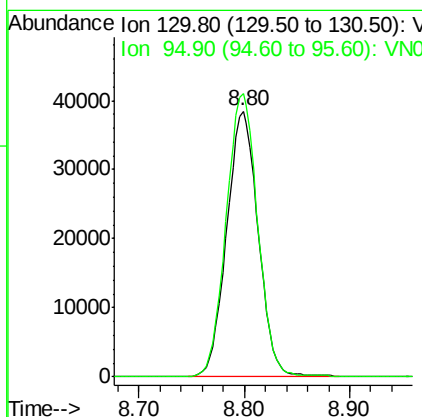
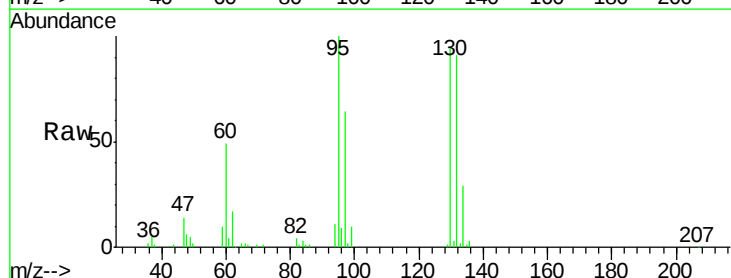
Manual Integrations
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#44
Trichloroethene
Concen: 47.121 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	212.4





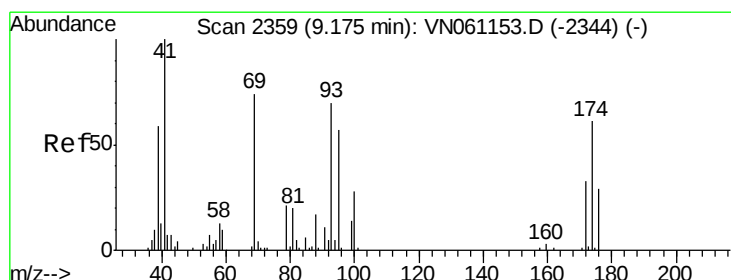
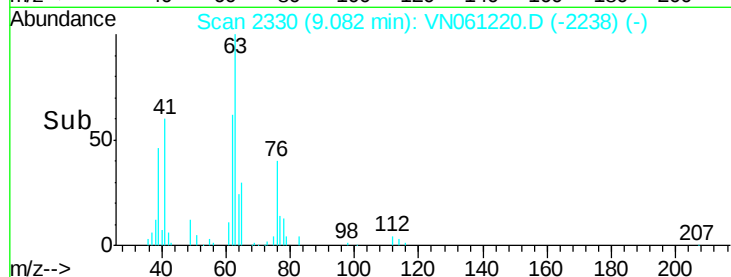
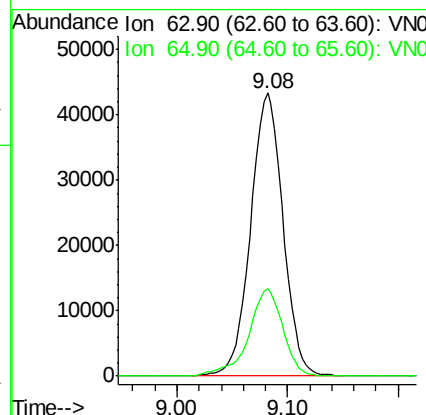
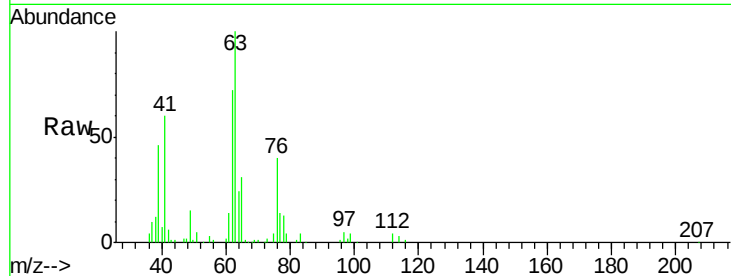
#45
 1,2-Dichloropropane
 Concen: 52.832 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 88170
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1

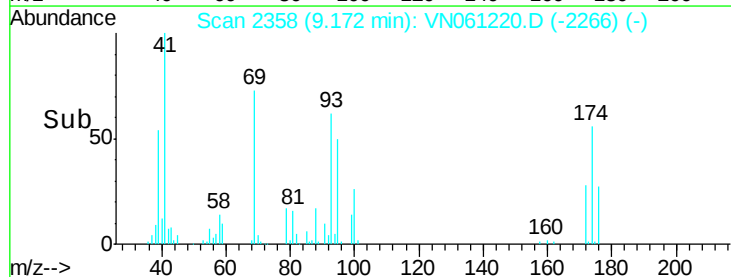
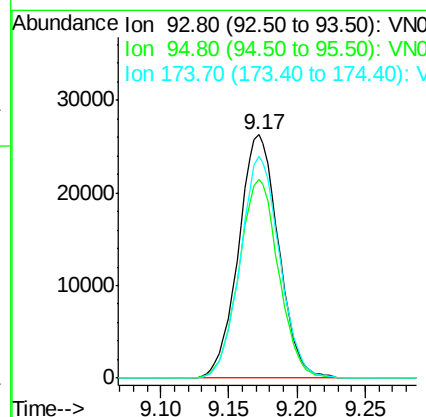
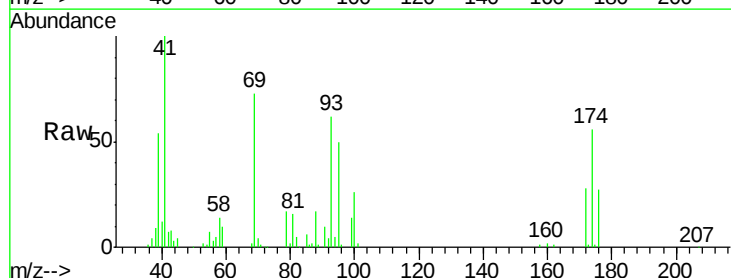
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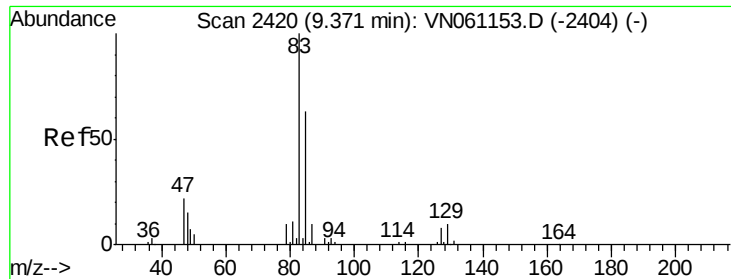
MMDadoda
 5/4/2020 2:57:56 PM



#46
 Dibromomethane
 Concen: 51.694 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion: 93 Resp: 53417
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.6 99.8
 174 89.4 70.2 105.2





#47

Bromodichloromethane

Concen: 50.999 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

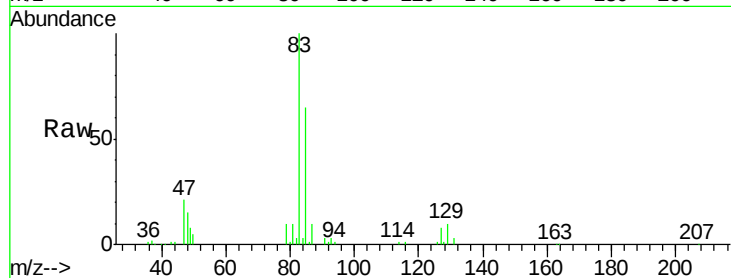
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	113112
Ion Ratio	Lower	Upper	
83	100		
85	65.4	50.4	75.6
127	7.9	6.2	9.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN061153.D (-2404) (-)

Time-->

9.37

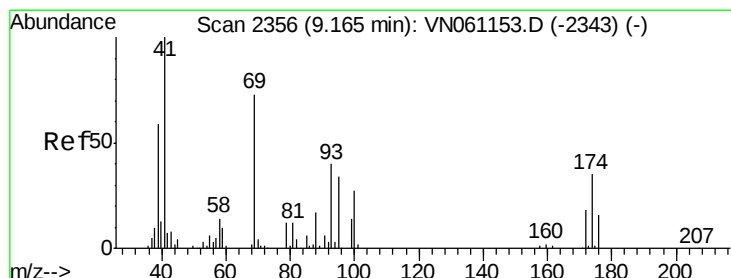
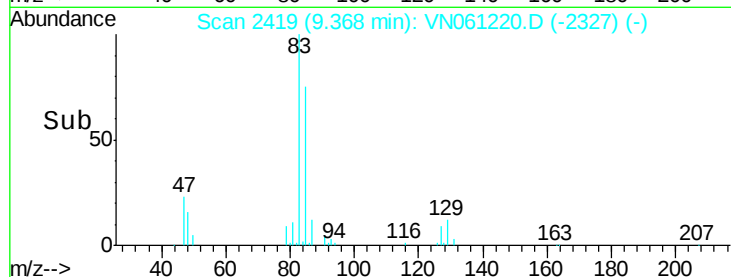
60000

40000

20000

0

9.30 9.35 9.40 9.45



#48

Methyl methacrylate

Concen: 52.998 ug/l

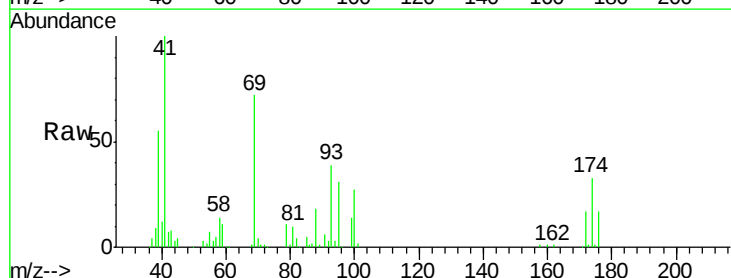
RT: 9.16 min Scan# 2355

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tgt Ion:	41	Resp:	97563
Ion Ratio	Lower	Upper	
41	100		
69	74.8	60.3	90.5
39	56.0	47.4	71.0



Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-2343) (-)

Ion 69.00 (68.70 to 69.70): VN061153.D (-2343) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-2343) (-)

Time-->

9.16

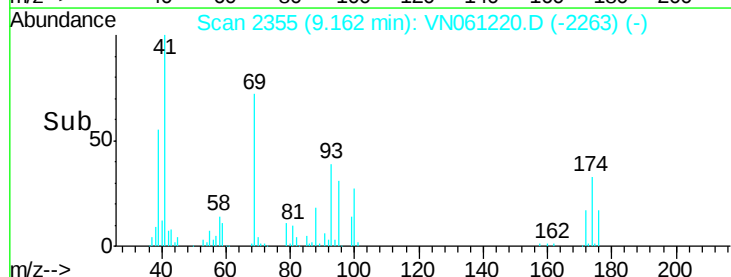
60000

40000

20000

0

9.10 9.15 9.20





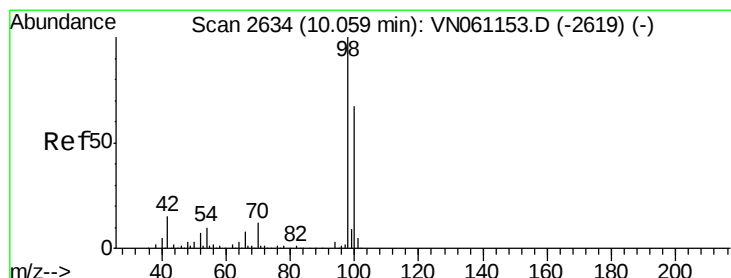
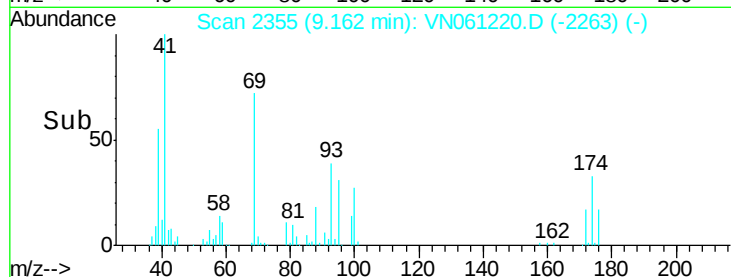
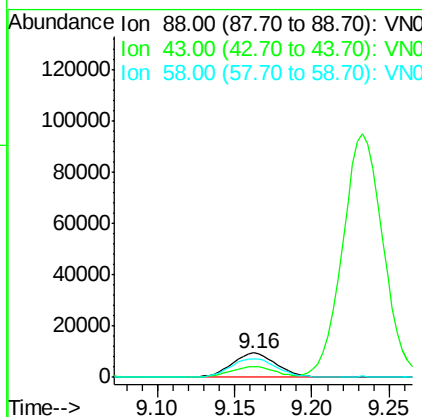
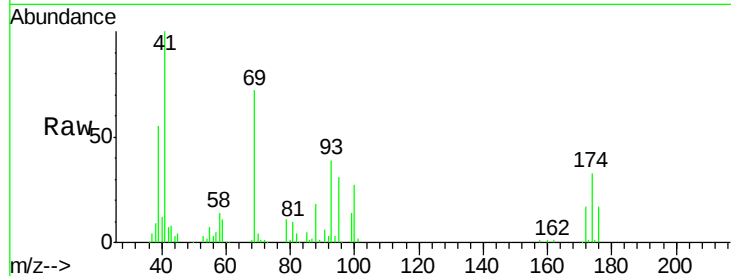
#49
1,4-Dioxane
Concen: 910.828 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	19033		
43	44.6	35.3	52.9	
58	81.0	61.5	92.3	

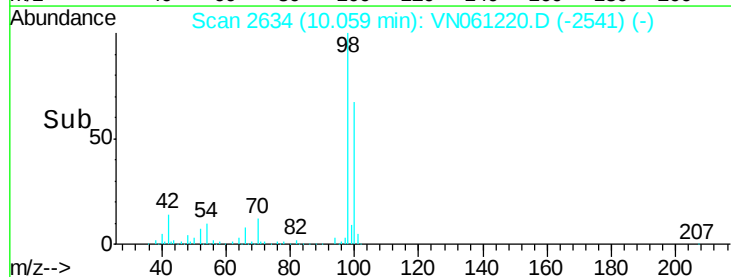
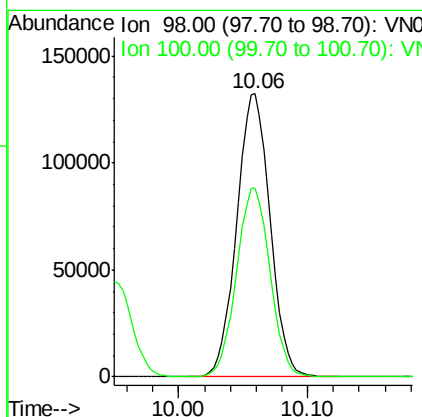
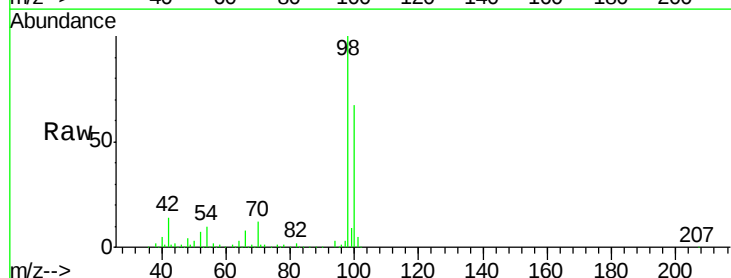
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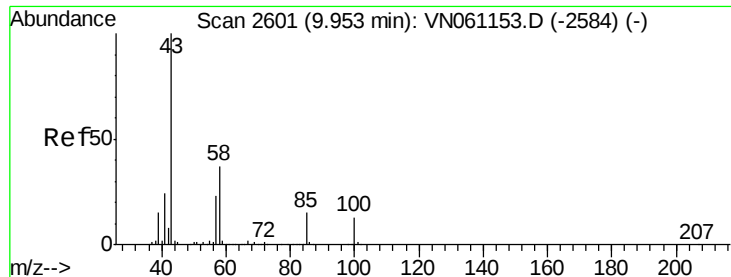
MMDadoda
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#50
Toluene-d8
Concen: 47.299 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	238815		
100	67.0	53.4	80.0	





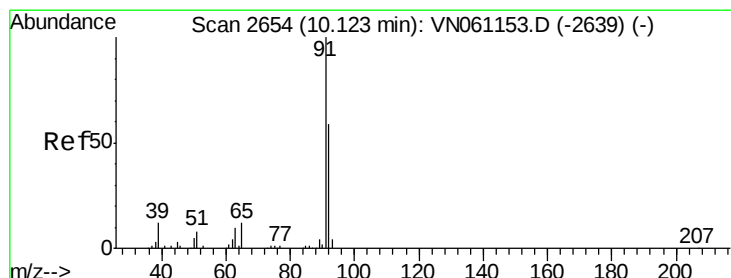
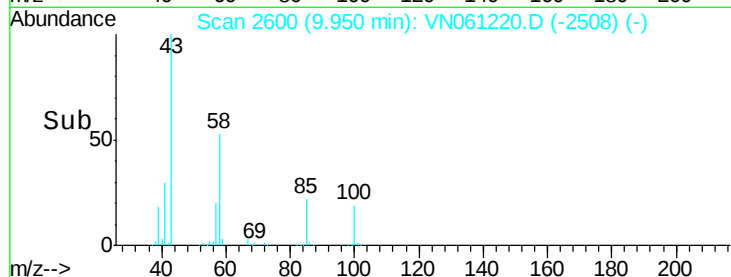
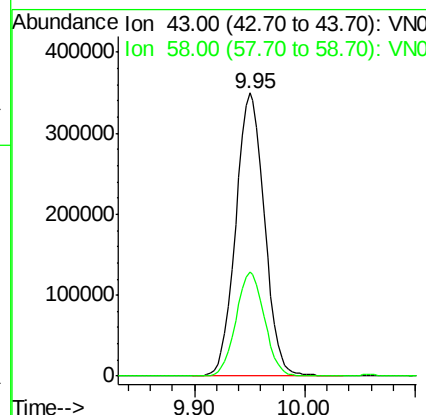
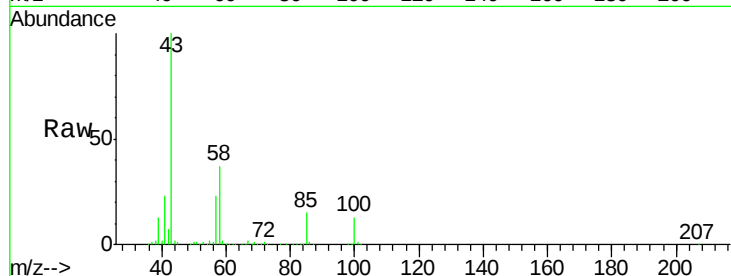
#51
4-Methyl-2-Pentanone
Concen: 262.798 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.1	43.7

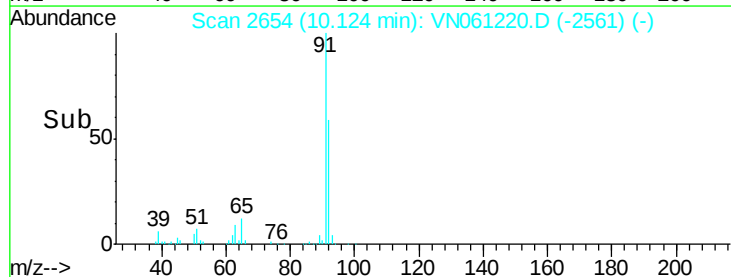
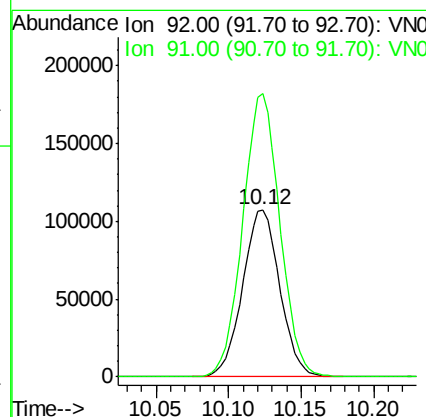
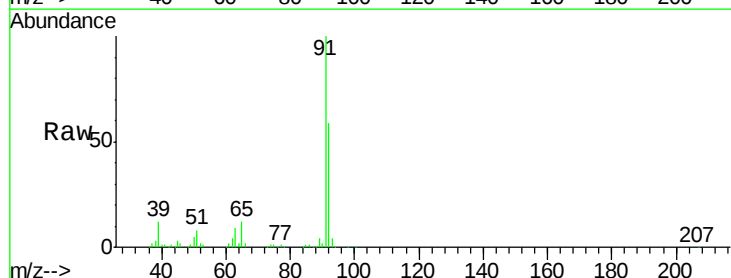
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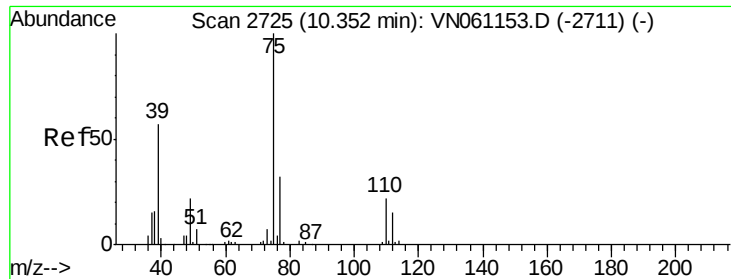
MMDadoda
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#52
Toluene
Concen: 50.797 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.2	204.2





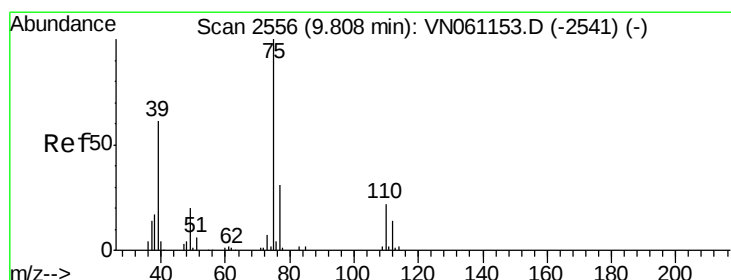
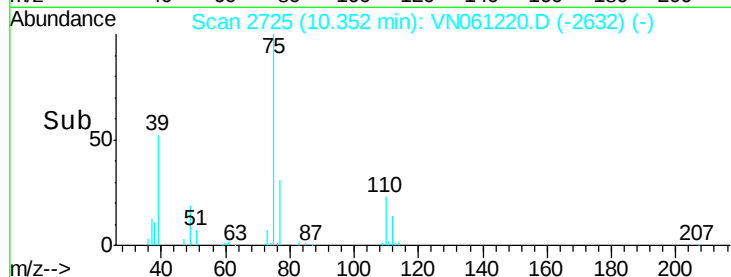
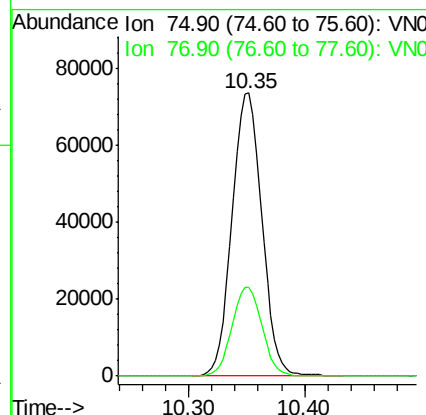
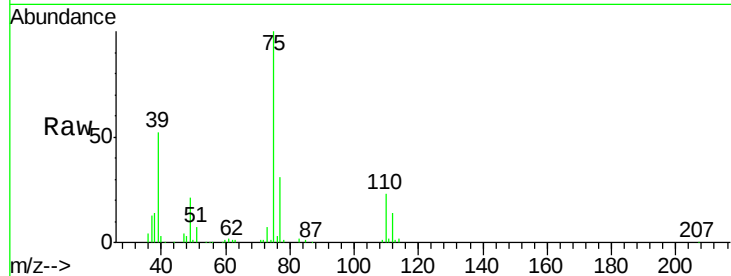
#53
t-1,3-Dichloropropene
Concen: 52.414 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3

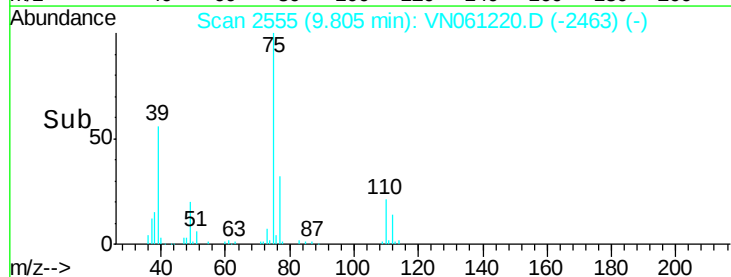
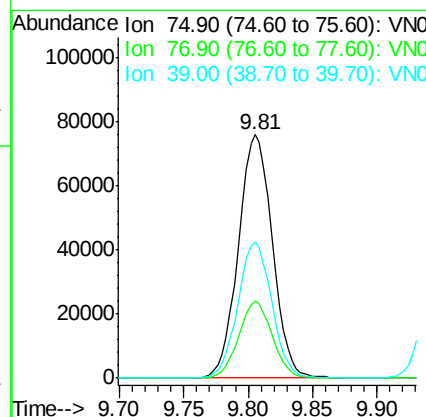
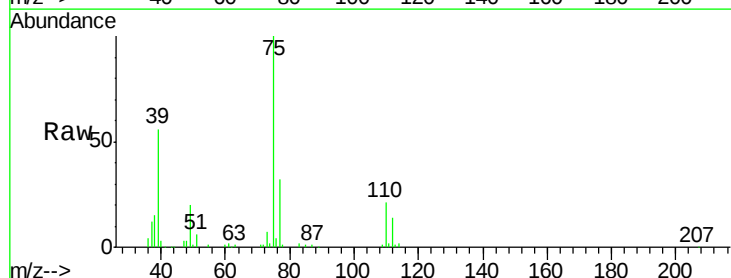
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#54
cis-1,3-Dichloropropene
Concen: 52.800 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	56.1	48.7	73.1





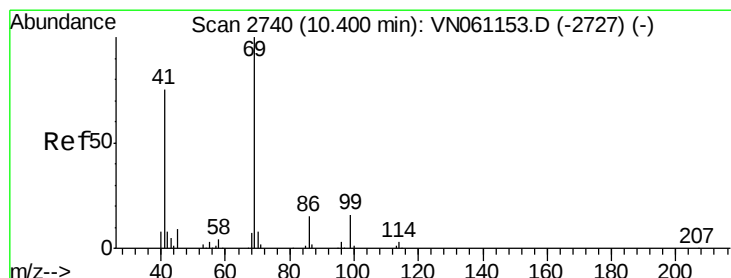
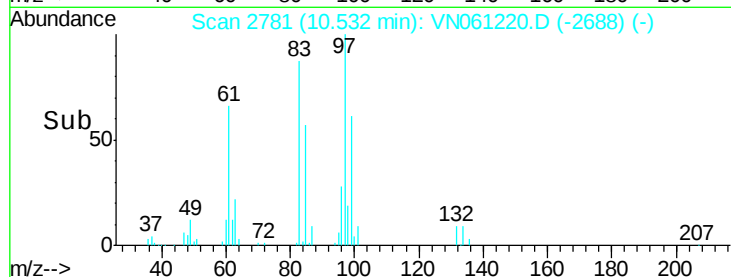
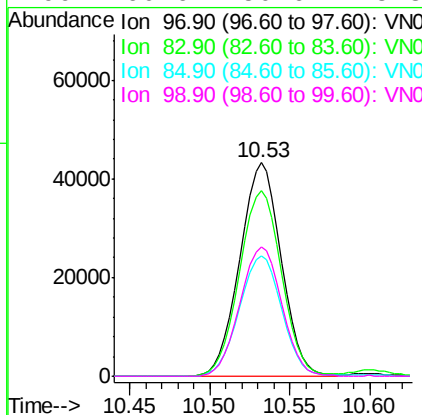
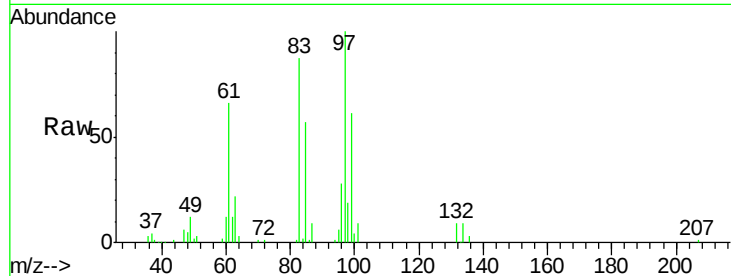
#55
 1,1,2-Trichloroethane
 Concen: 50.827 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	76281
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.6	106.0
85	56.6	46.4	69.6
99	60.6	50.6	75.8

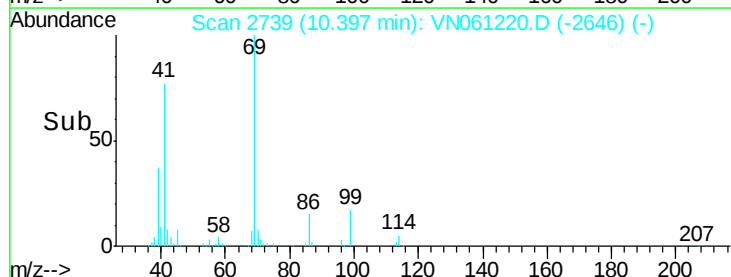
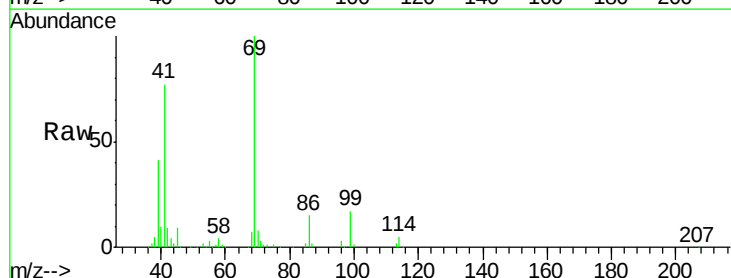
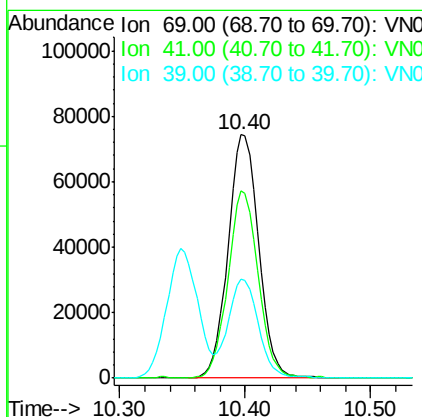
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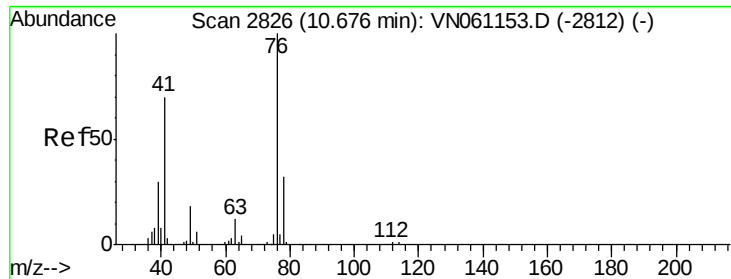
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#56
 Ethyl methacrylate
 Concen: 48.264 ug/l
 RT: 10.40 min Scan# 2739
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion:	69	Resp:	125963
Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.3	90.5
39	40.3	35.9	53.9





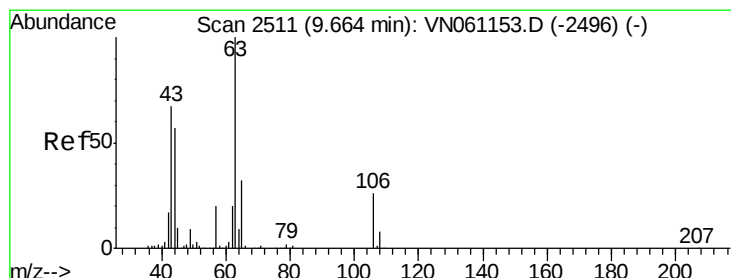
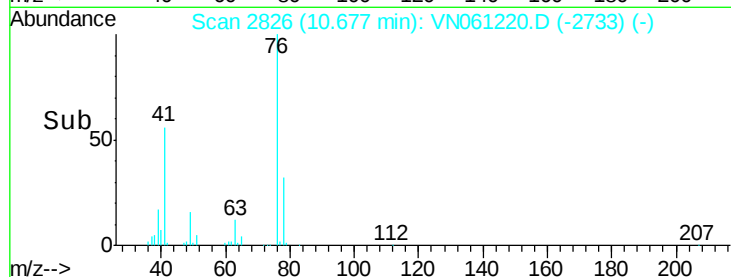
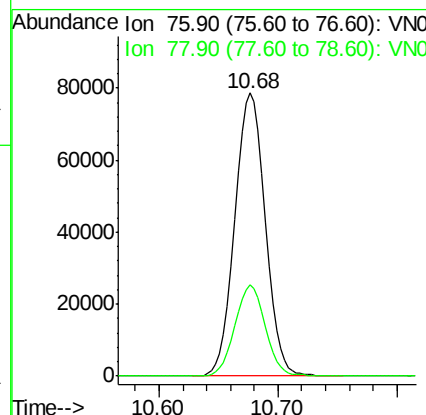
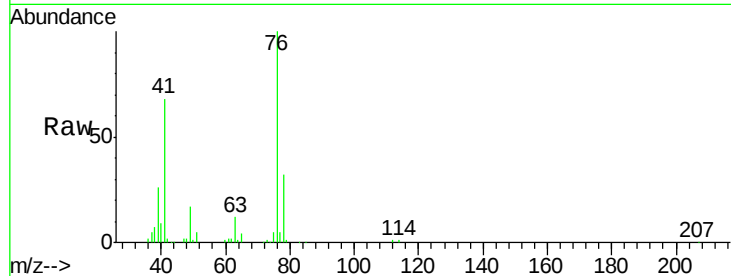
#57
 1,3-Dichloropropane
 Concen: 52.904 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 139564
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

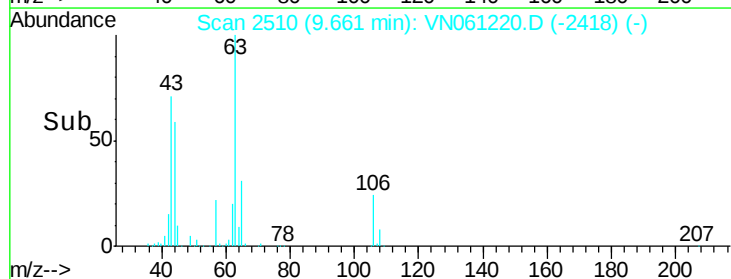
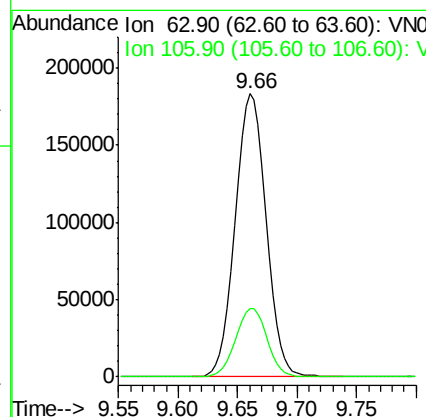
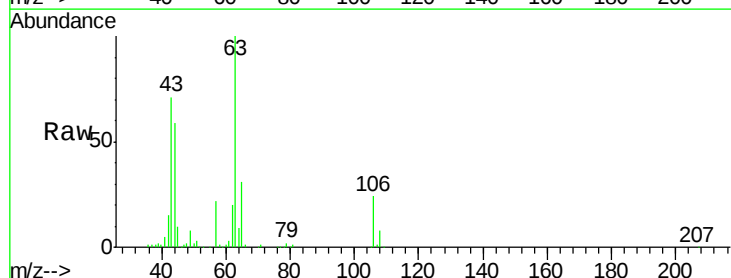
Manual Integrations
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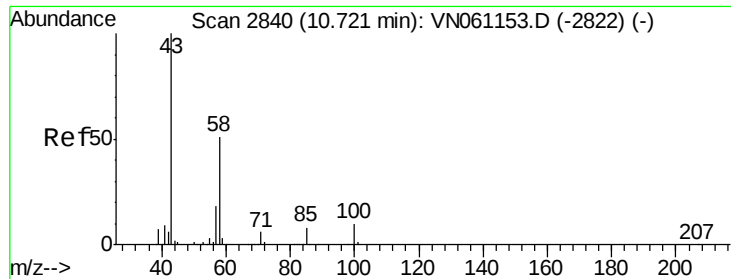
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#58
 2-Chloroethyl Vinyl ether
 Concen: 272.669 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion: 63 Resp: 331245
 Ion Ratio Lower Upper
 63 100
 106 24.5 20.6 30.8





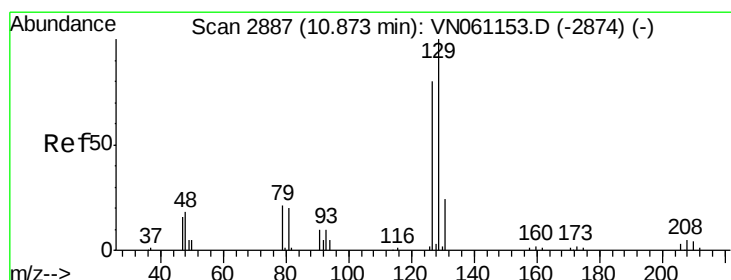
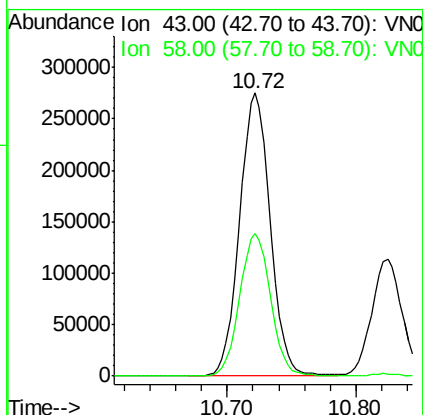
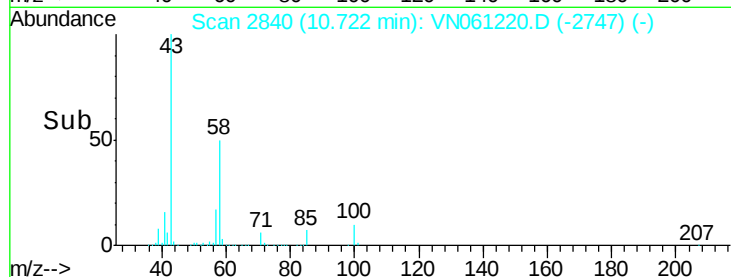
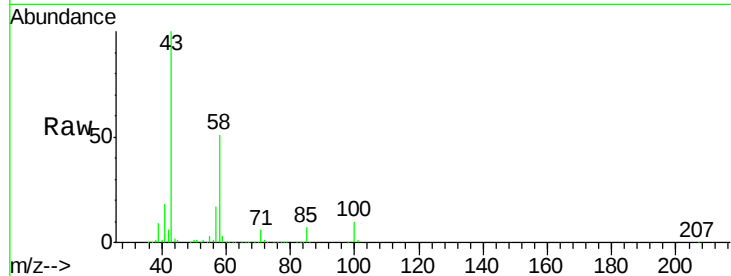
#59
2-Hexanone
Concen: 260.278 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 454699
Ion Ratio Lower Upper
43 100
58 51.0 25.4 76.4

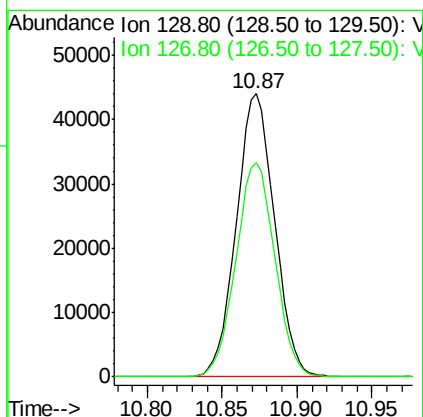
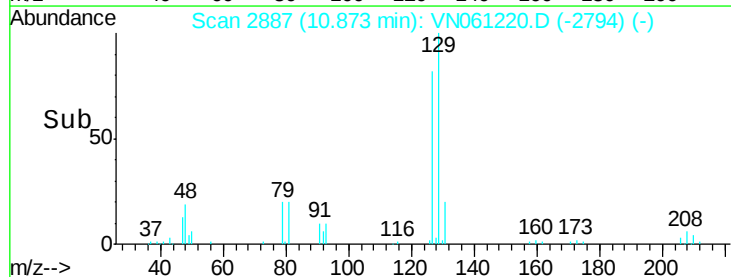
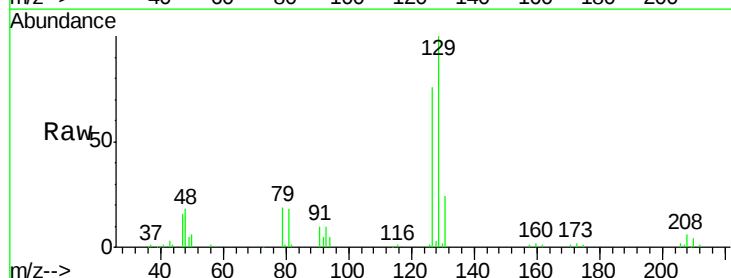
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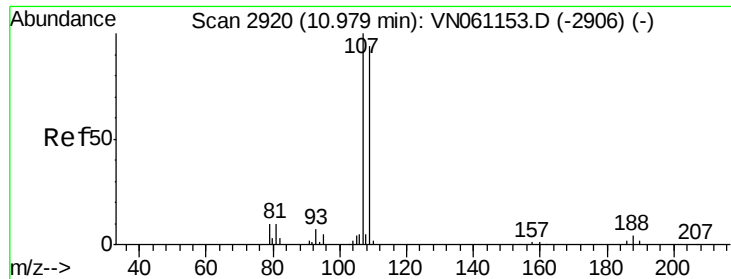
MMDadoda
5/4/2020 2:57:56 PM



#60
Dibromochloromethane
Concen: 49.845 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion: 129 Resp: 78350
Ion Ratio Lower Upper
129 100
127 77.3 39.3 117.8





#61

1,2-Dibromoethane

Concen: 49.754 ug/l

RT: 10.98 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 74843

Ion Ratio Lower Upper

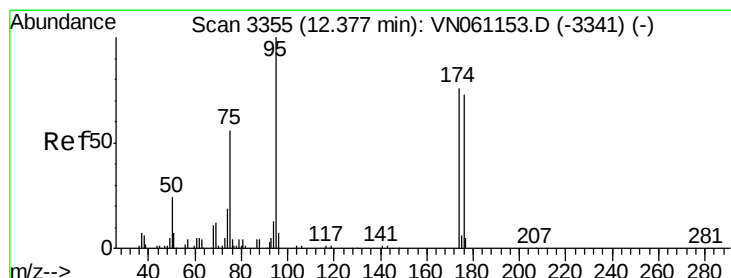
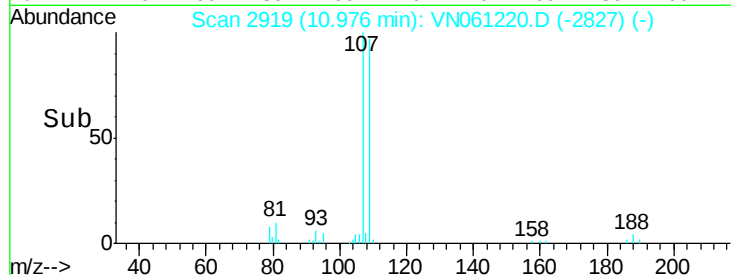
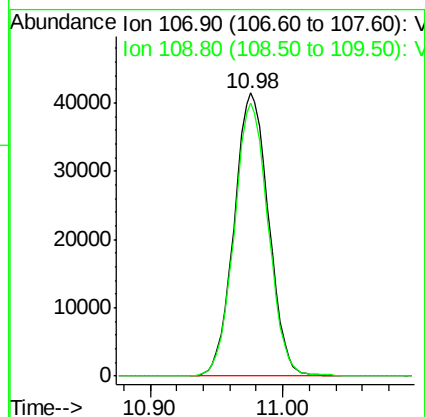
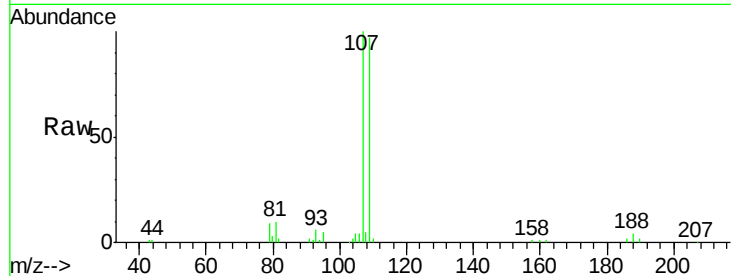
107 100

109 95.0 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 47.254 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

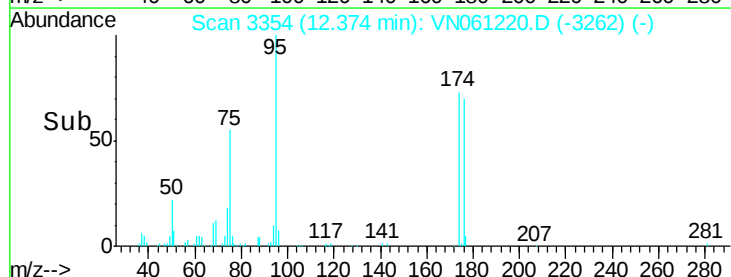
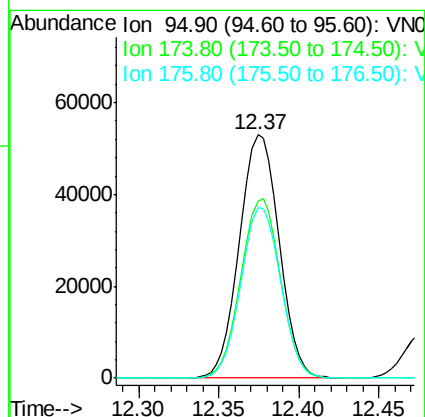
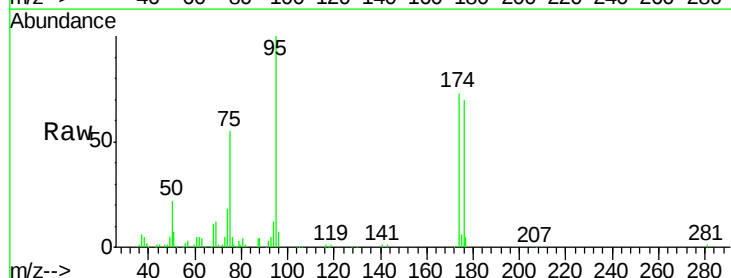
Tgt Ion: 95 Resp: 89784

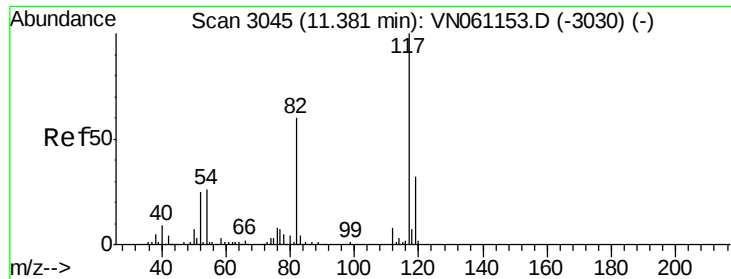
Ion Ratio Lower Upper

95 100

174 73.4 0.0 149.4

176 70.2 0.0 144.8





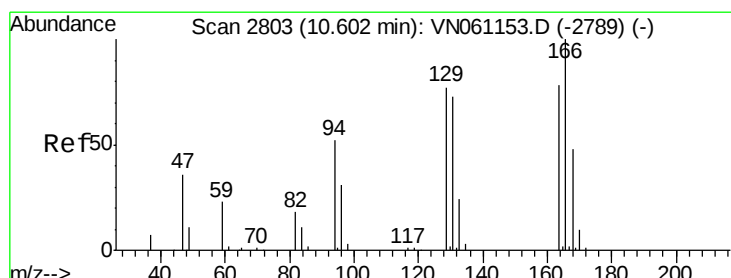
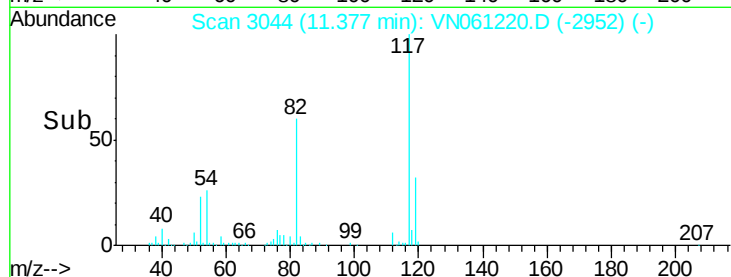
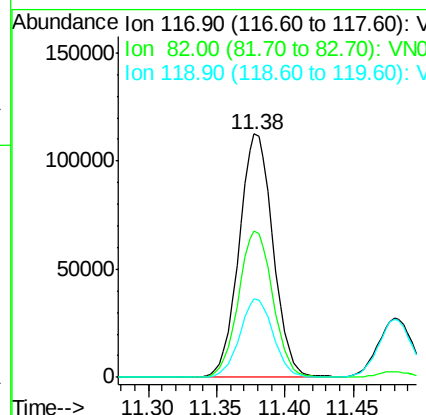
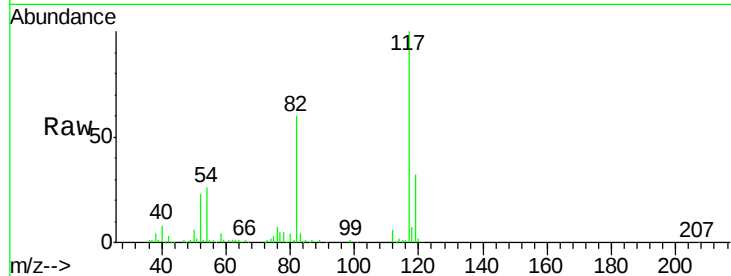
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3044
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	194735		
82	60.1	47.8	71.8	
119	32.0	25.8	38.6	

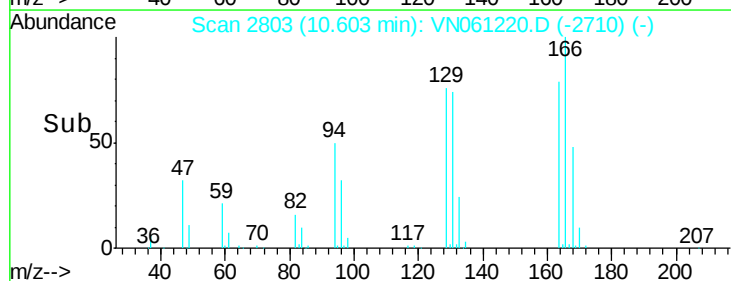
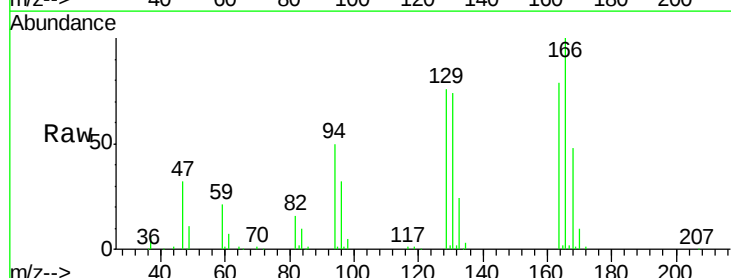
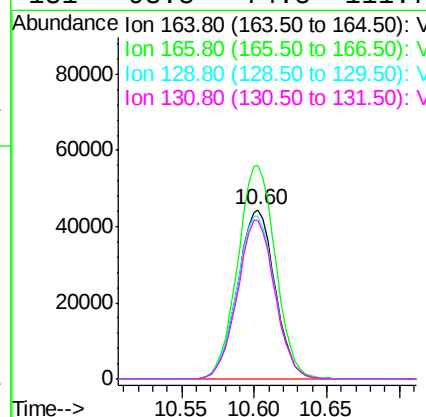
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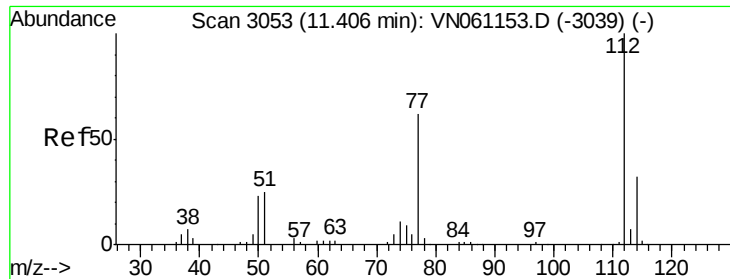
MMDadoda
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#64
Tetrachloroethene
Concen: 47.363 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	79884		
166	126.4	102.0	153.0	
129	96.1	78.2	117.2	
131	93.8	74.5	111.7	





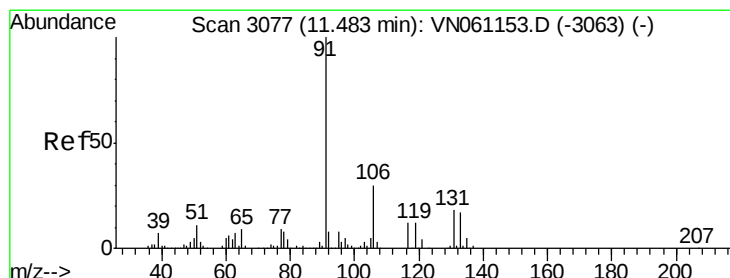
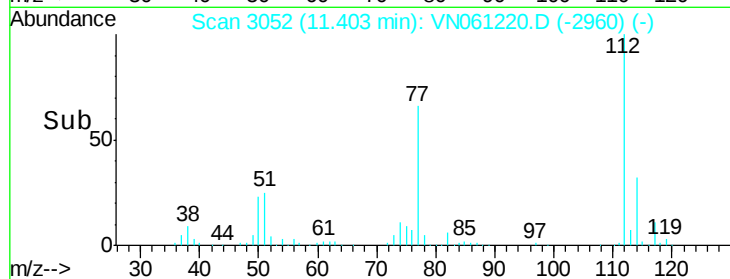
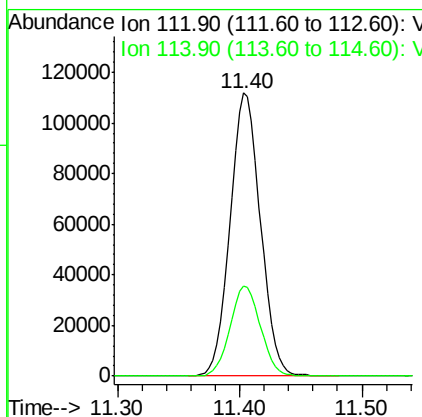
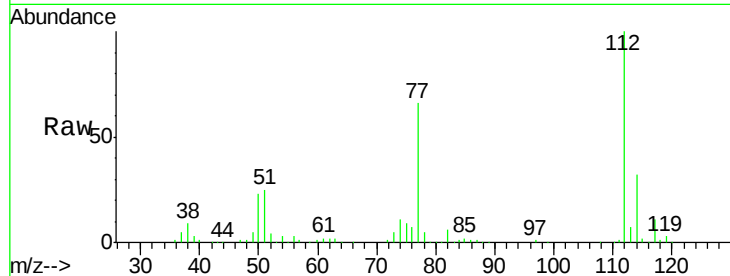
#65
Chlorobenzene
Concen: 50.142 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 193695
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

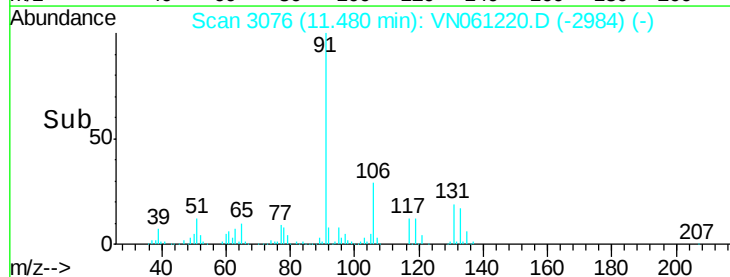
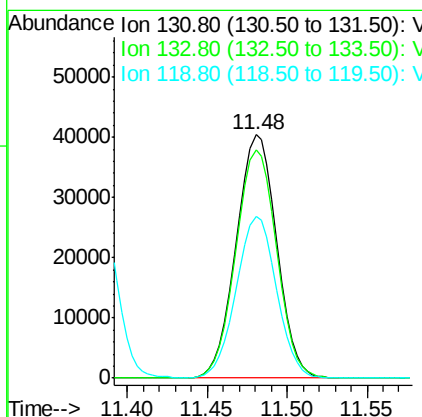
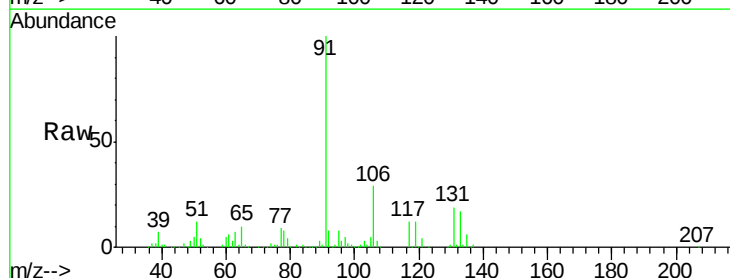
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.578 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion:131 Resp: 69928
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.2
119 66.0 32.6 97.8





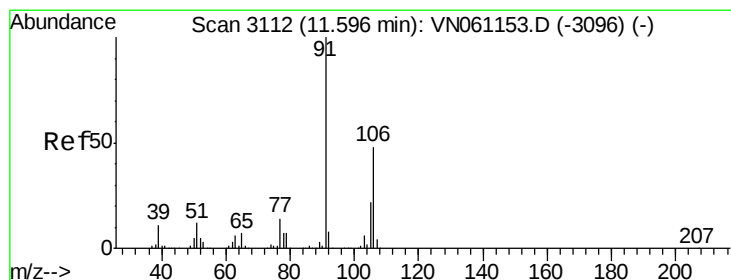
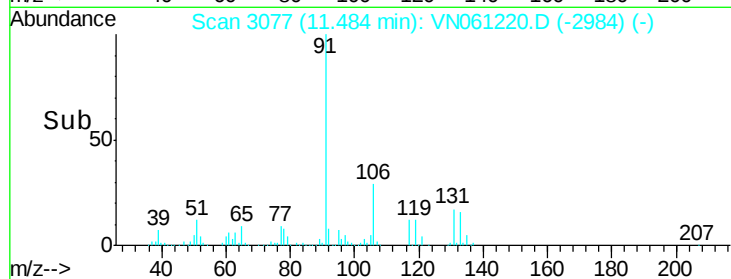
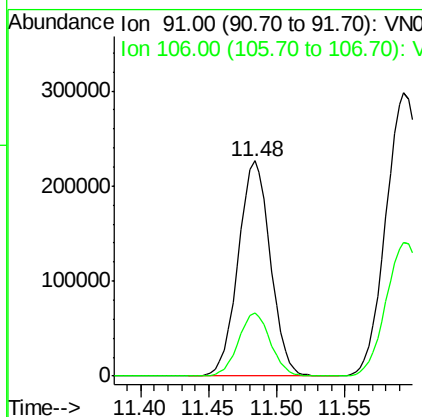
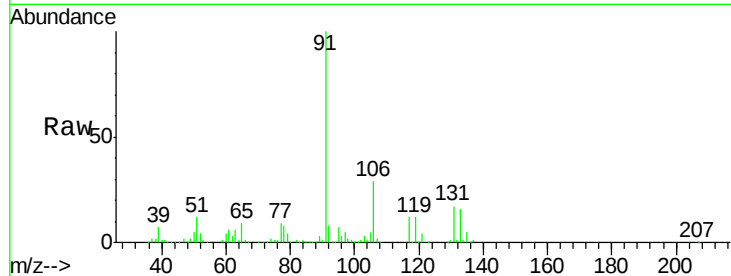
#67
Ethyl Benzene
Concen: 51.326 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 371153
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6

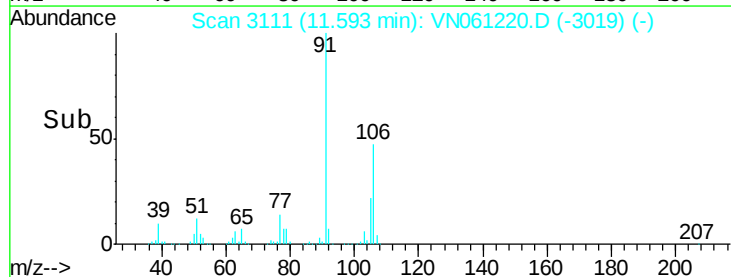
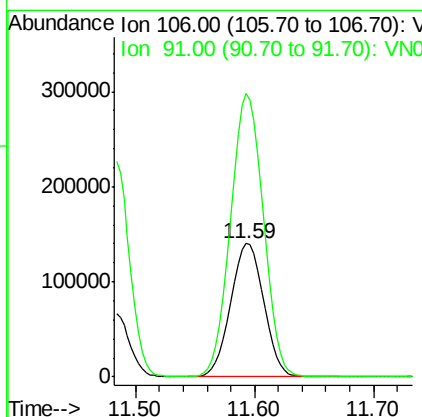
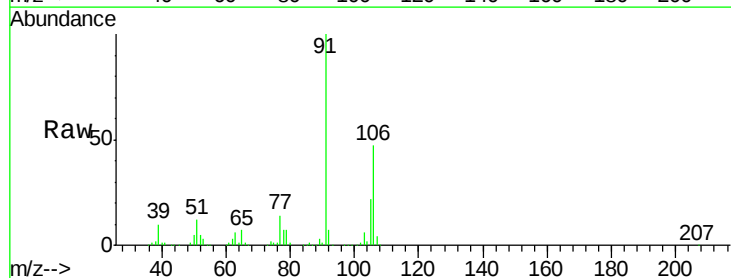
Manual Integrations
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#68
m/p-Xylenes
Concen: 102.255 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion: 106 Resp: 270656
Ion Ratio Lower Upper
106 100
91 210.4 166.4 249.6





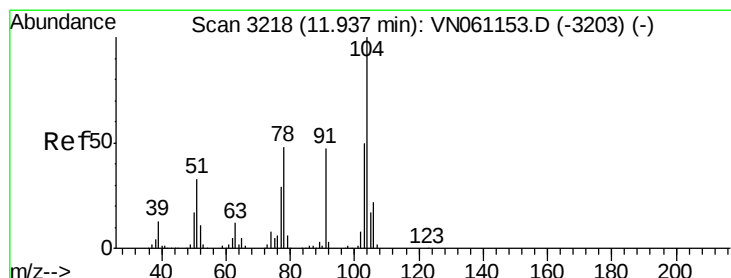
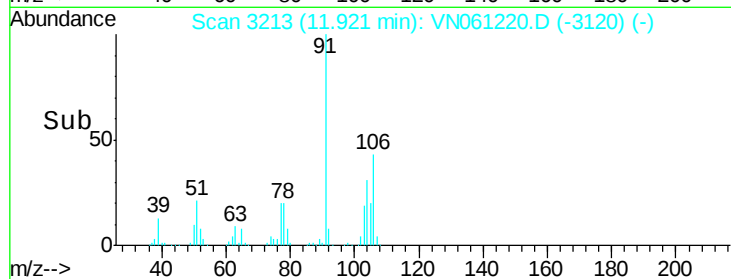
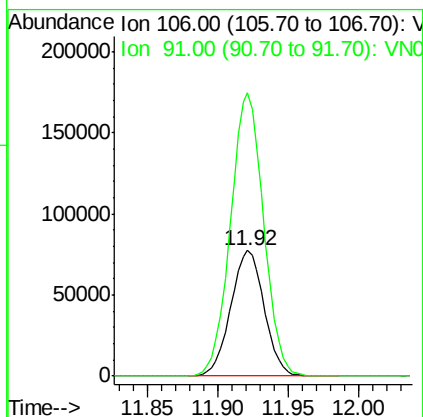
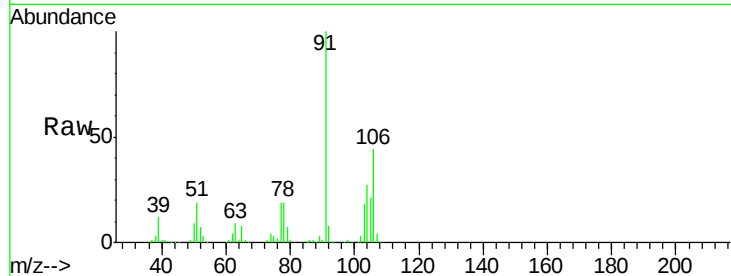
#69
o-Xylene
Concen: 50.553 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		128530		
91	222.8	109.7	329.0		

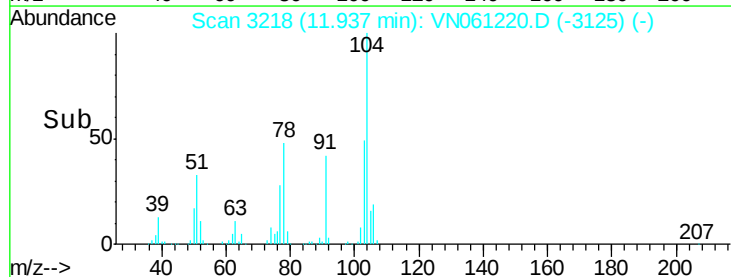
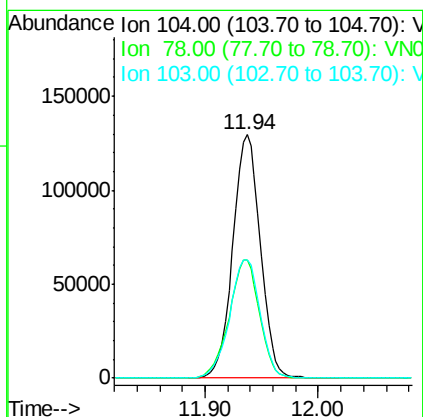
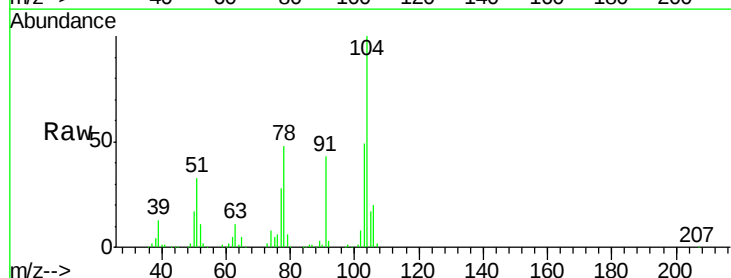
Manual Integrations
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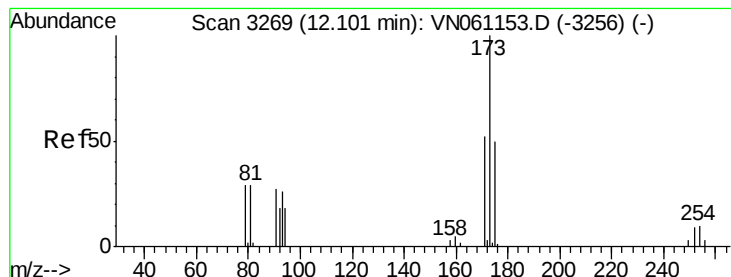
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#70
Styrene
Concen: 51.659 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		219826		
78	53.4	42.1	63.1		
103	54.0	43.3	64.9		





#71

Bromoform

Concen: 52.159 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 52999

Ion Ratio Lower Upper

173 100

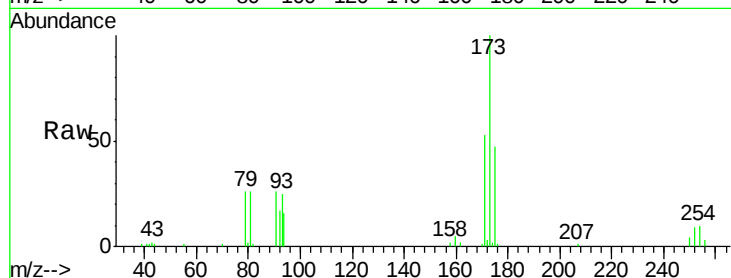
175 47.8 24.1 72.4

254 0.0 0.0 0.0

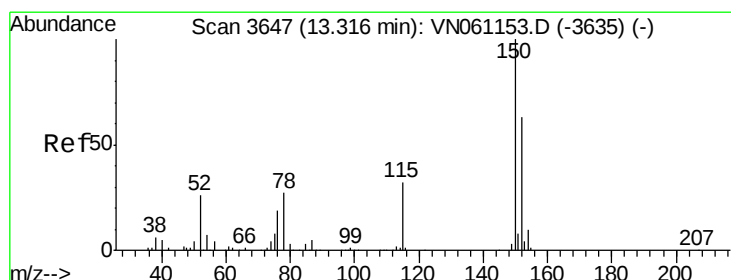
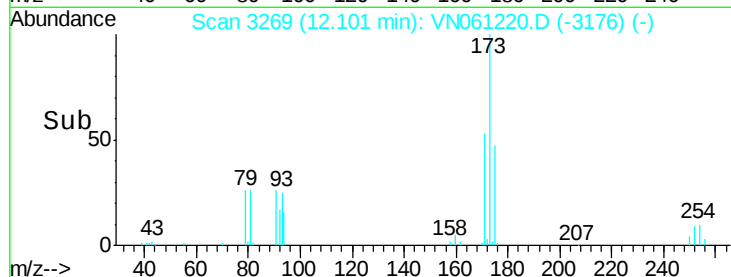
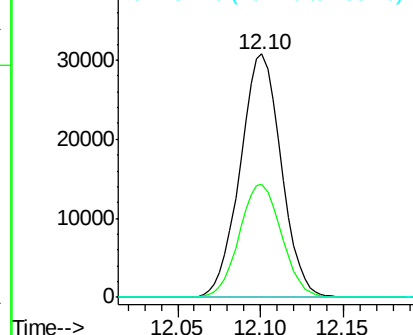
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

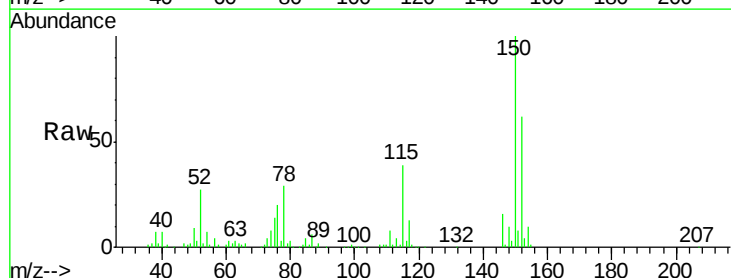
Tgt Ion:152 Resp: 91958

Ion Ratio Lower Upper

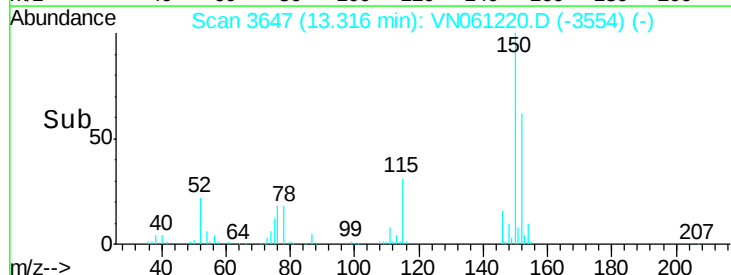
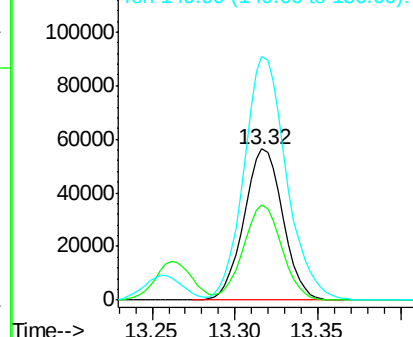
152 100

115 62.5 31.0 93.0

150 175.7 0.0 351.8



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: 51.449 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 347810

Ion Ratio Lower Upper

105 100

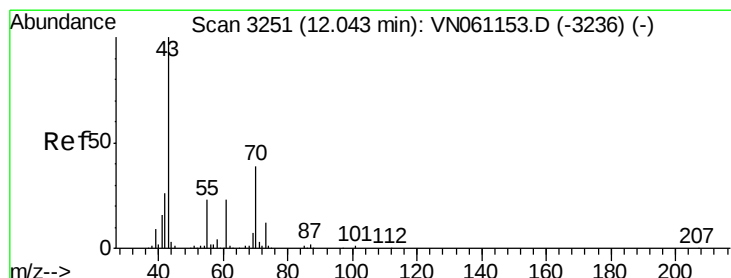
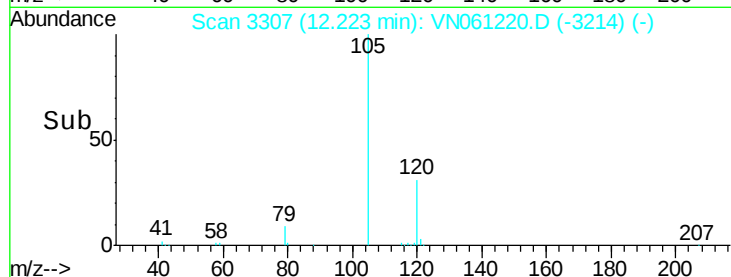
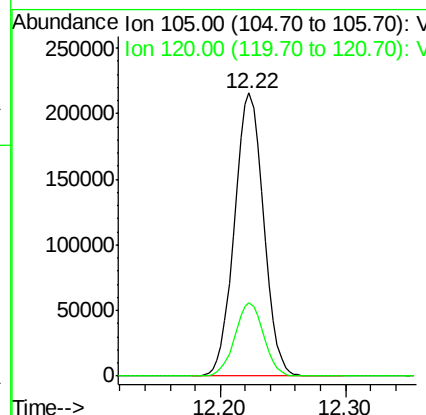
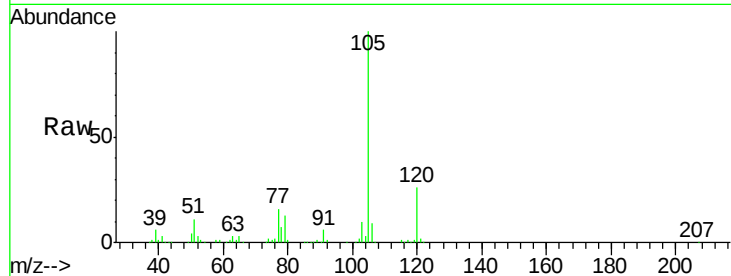
120 25.6 12.6 37.8

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#74

N-ethyl acetate

Concen: 54.202 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tgt Ion: 43 Resp: 185546

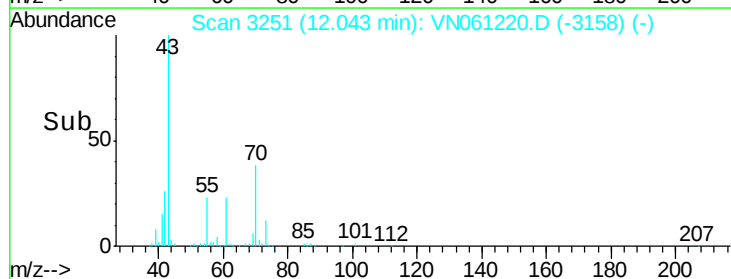
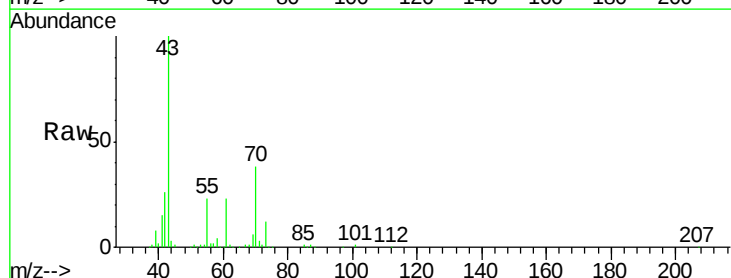
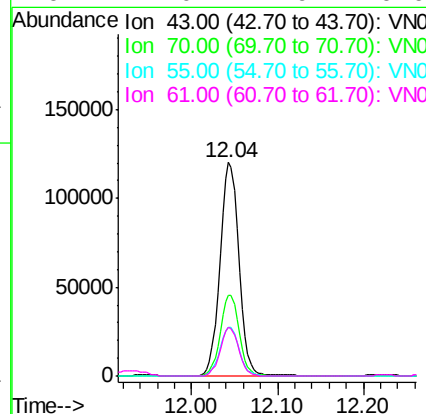
Ion Ratio Lower Upper

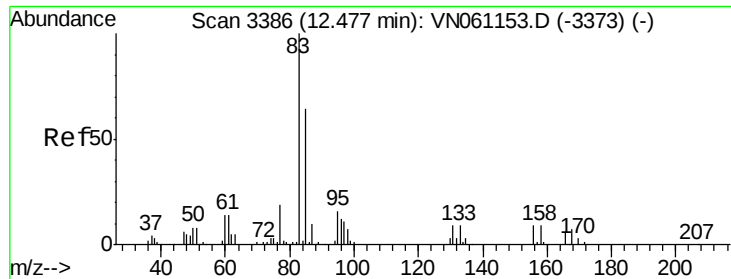
43 100

70 37.7 30.6 46.0

55 23.2 18.5 27.7

61 22.0 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.695 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 111078

Ion Ratio Lower Upper

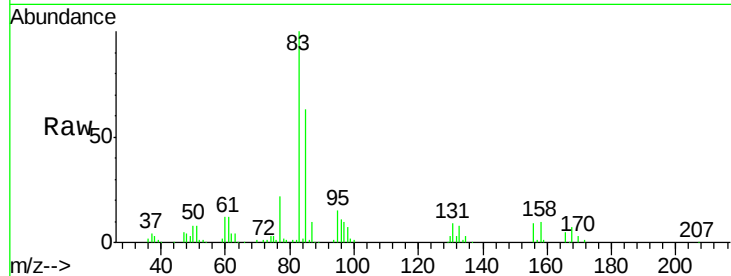
83 100

131 9.2 4.8 14.3

85 62.4 32.0 96.0

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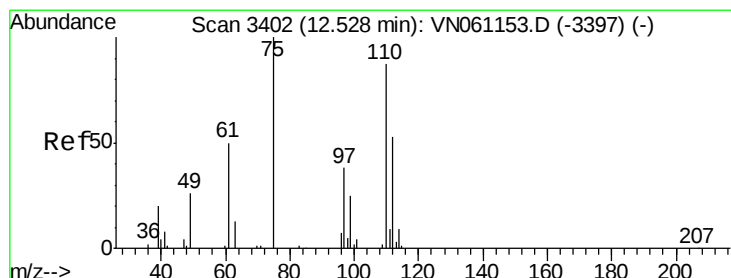
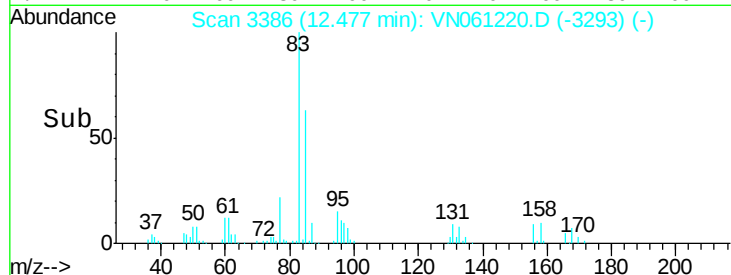
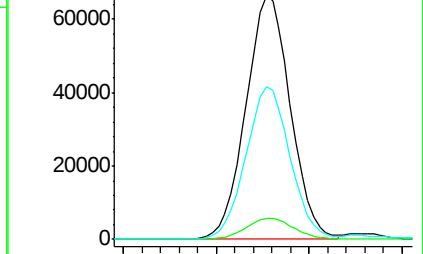
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Abundance Ion 82.90 (82.60 to 83.60): VN061220.D (-3293) (-)

Ion 130.80 (130.50 to 131.50): VN061220.D (-3293) (-)

Ion 84.90 (84.60 to 85.60): VN061220.D (-3293) (-)



#76

1,2,3-Trichloropropane

Concen: 50.525 ug/l m

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061220.D

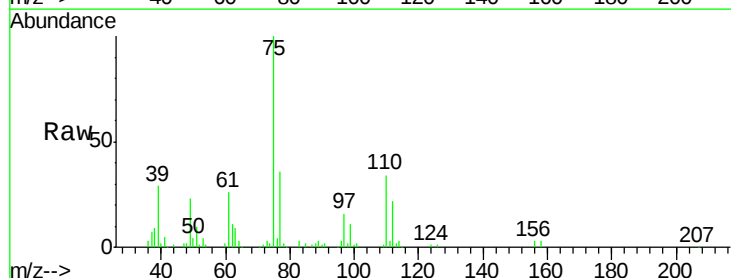
Acq: 1 May 2020 10:43

Tgt Ion: 75 Resp: 97953

Ion Ratio Lower Upper

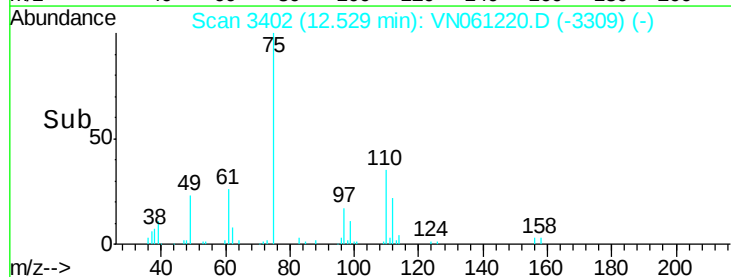
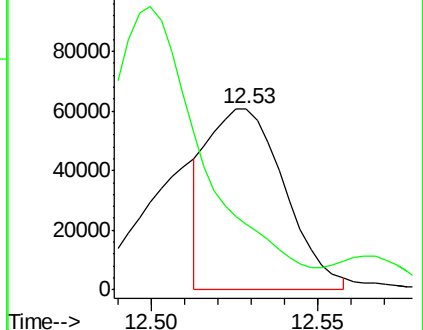
75 100

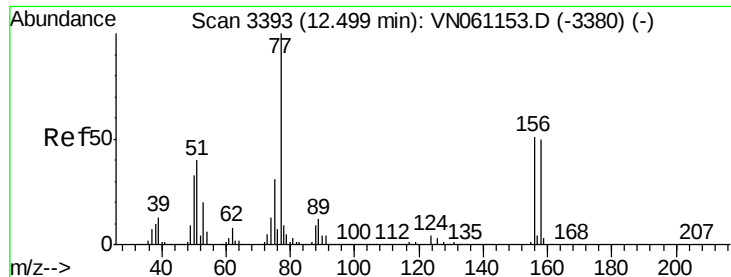
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061220.D (-3309) (-)

Ion 77.00 (76.70 to 77.70): VN061220.D (-3309) (-)





#77

Bromobenzene

Concen: 50.838 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 79336

Ion Ratio Lower Upper

156 100

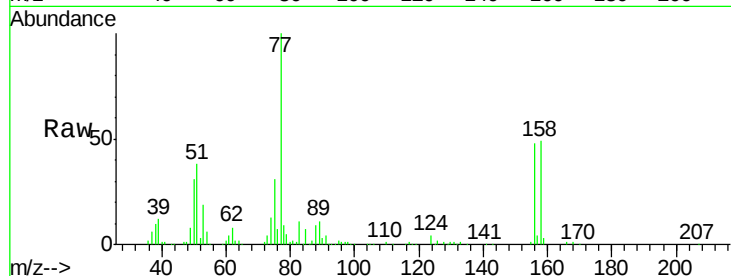
77 246.1 117.4 352.2

158 97.7 48.4 145.0

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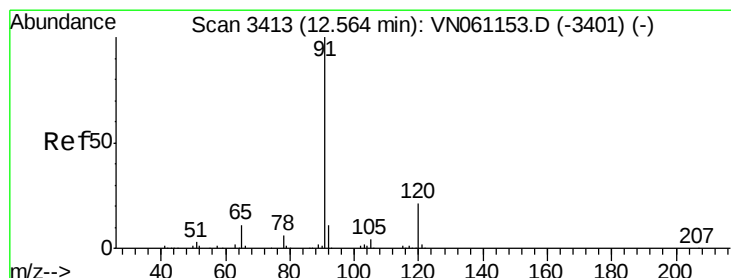
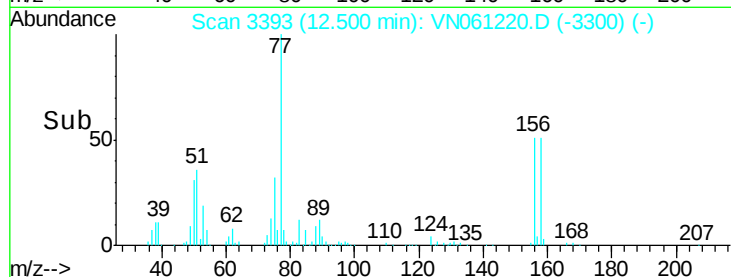
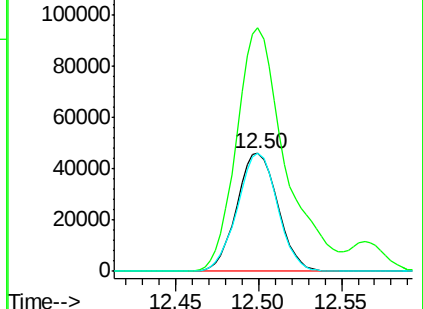
5/4/2020 2:57:56 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.939 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061220.D

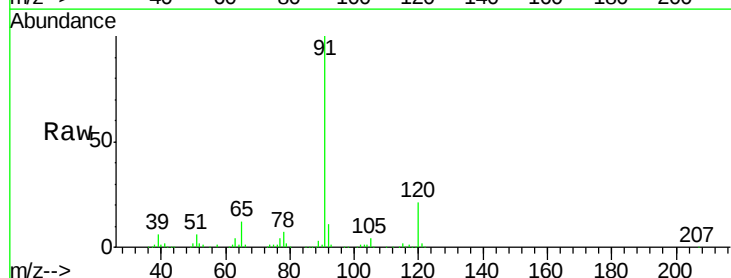
Acq: 1 May 2020 10:43

Tgt Ion: 91 Resp: 424487

Ion Ratio Lower Upper

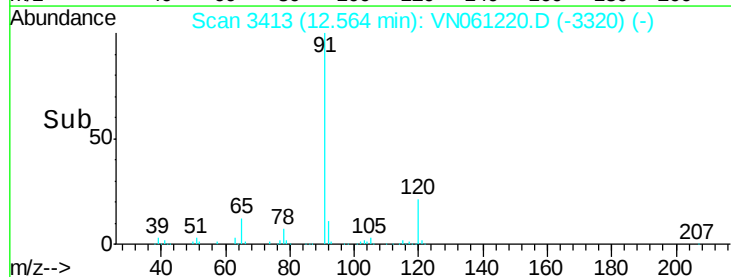
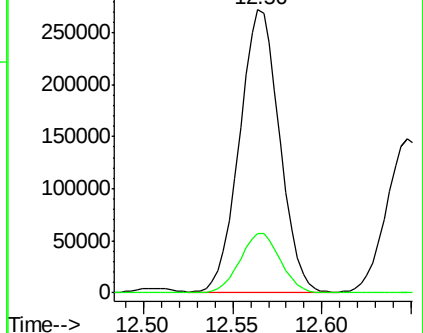
91 100

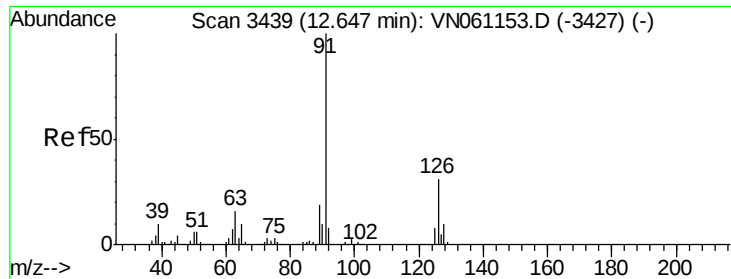
120 21.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





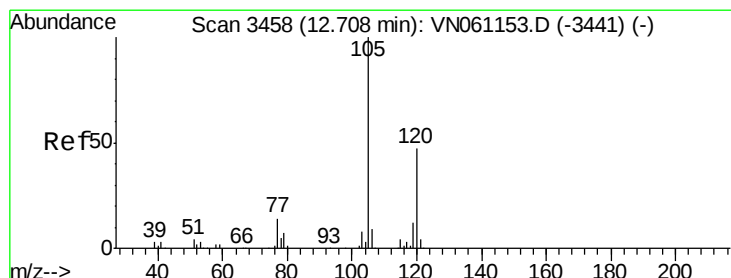
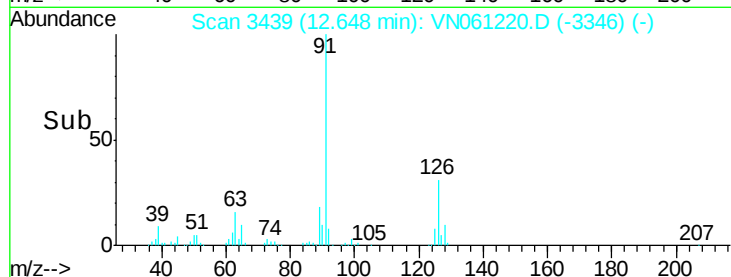
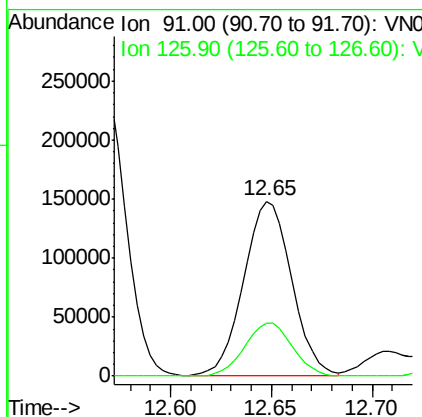
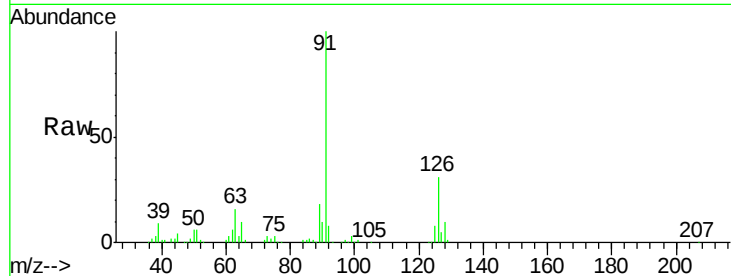
#79
 2-Chlorotoluene
 Concen: 52.025 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 245197
 Ion Ratio Lower Upper
 91 100
 126 30.7 15.9 47.7

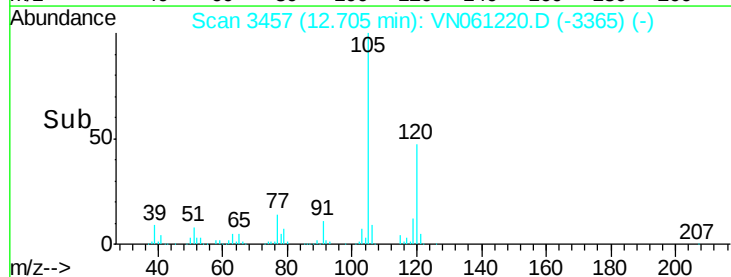
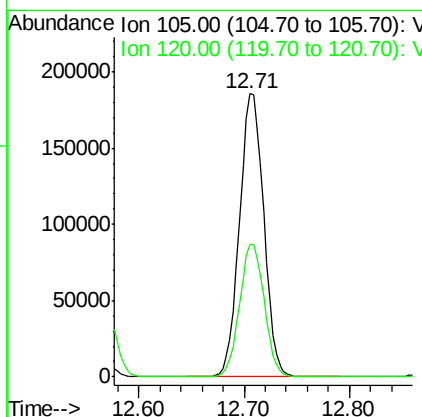
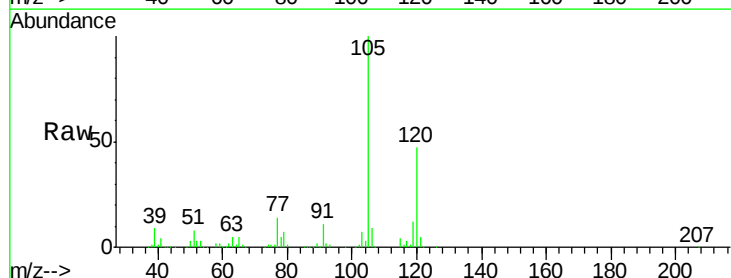
Manual Integrations
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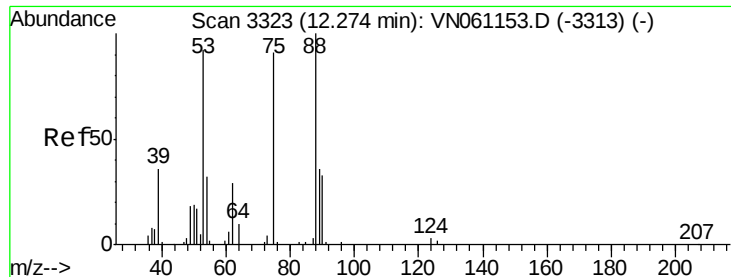
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.039 ug/l
 RT: 12.71 min Scan# 3457
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion: 105 Resp: 296764
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 53.685 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

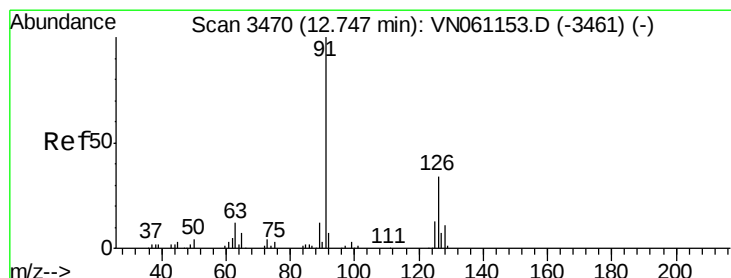
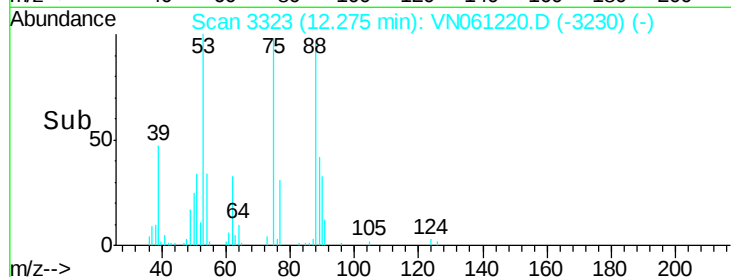
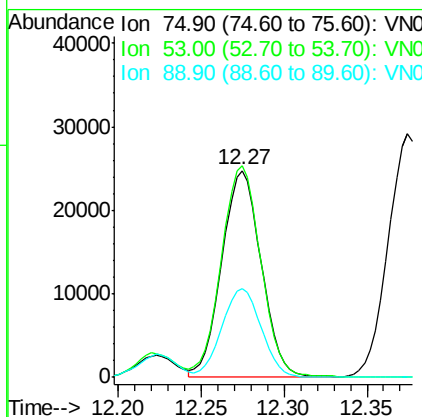
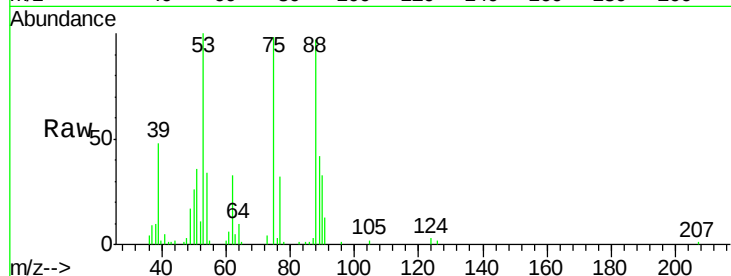
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	40985
Ion	Ratio	Lower	Upper
75	100		
53	102.6	84.1	126.1
89	42.6	35.2	52.8

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#82

4-Chlorotoluene

Concen: 52.316 ug/l

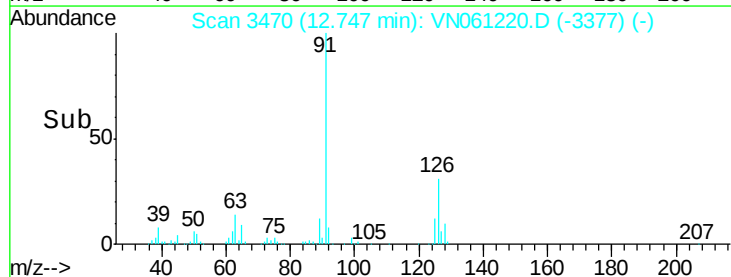
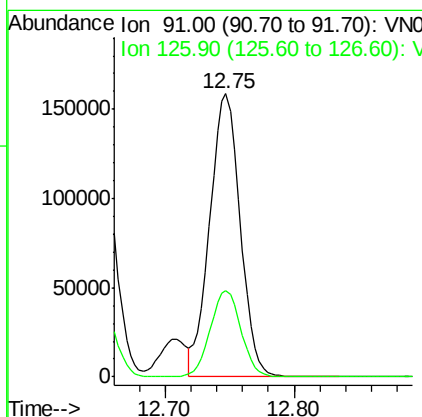
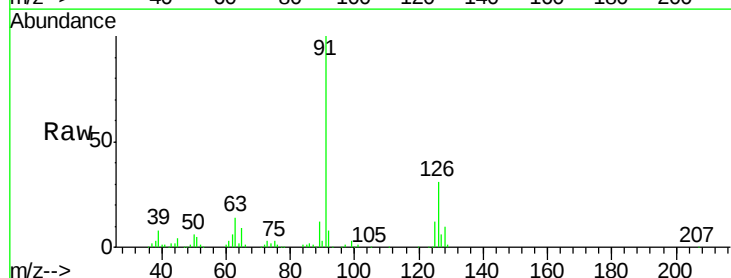
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tgt Ion:	91	Resp:	259871
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.7	47.1





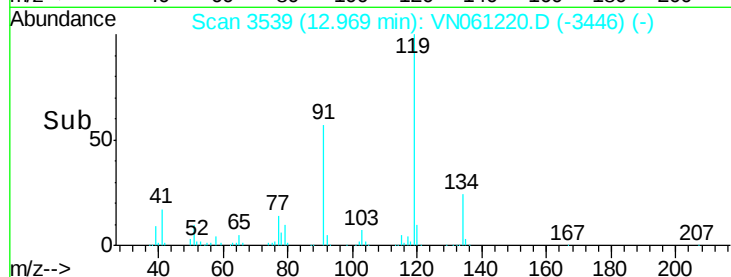
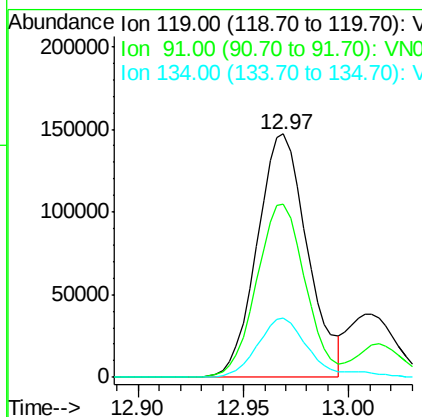
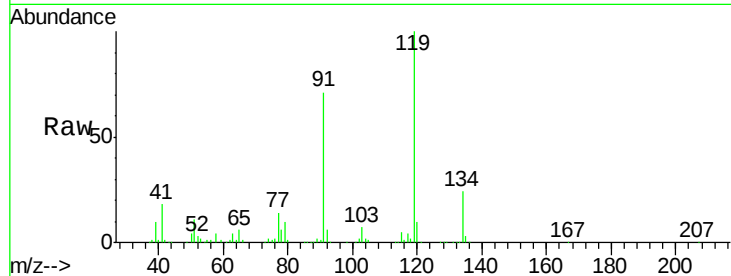
#83
tert-Butylbenzene
Concen: 51.805 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	244412		
91	68.9	34.8	104.4	
134	25.1	12.9	38.7	

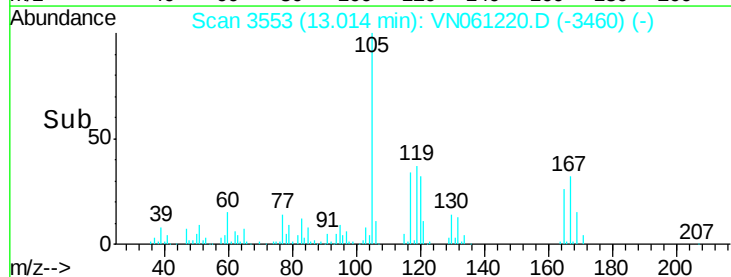
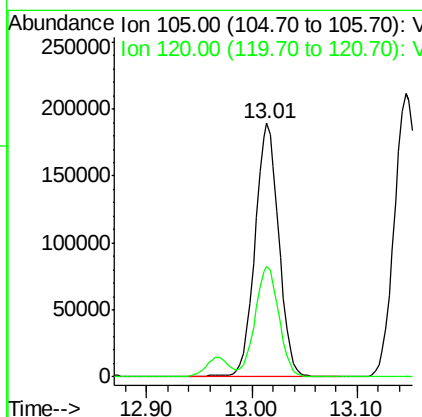
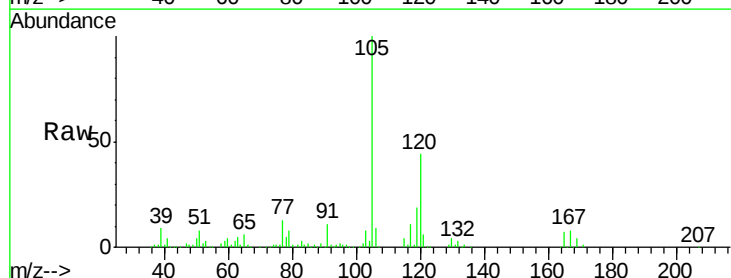
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#84
1,2,4-Trimethylbenzene
Concen: 51.677 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297897		
120	43.7	22.2	66.6	





#85

sec-Butylbenzene

Concen: 52.566 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 338120

Ion Ratio Lower Upper

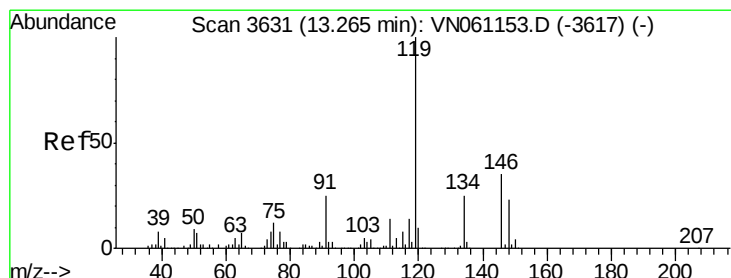
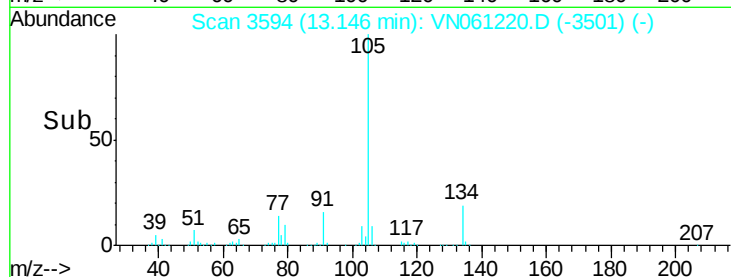
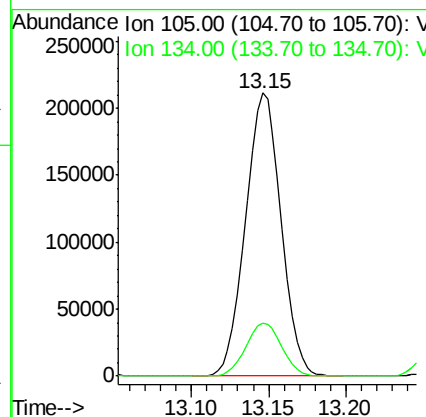
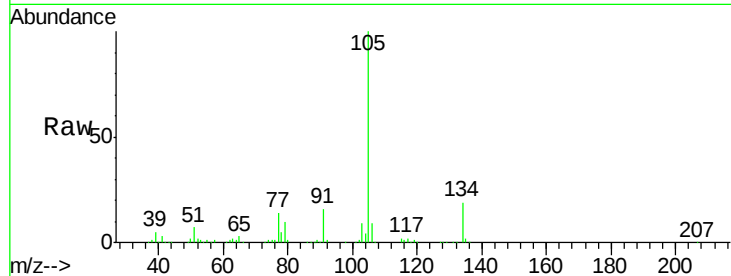
105 100

134 18.9 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 52.219 ug/l

RT: 13.26 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

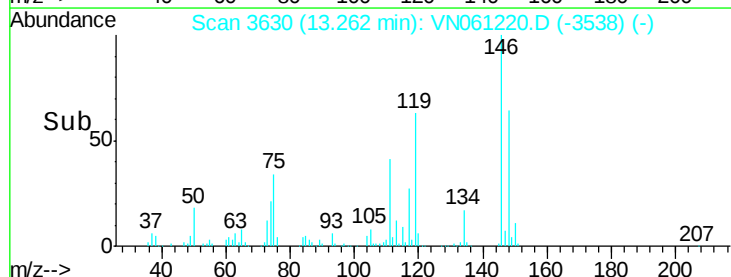
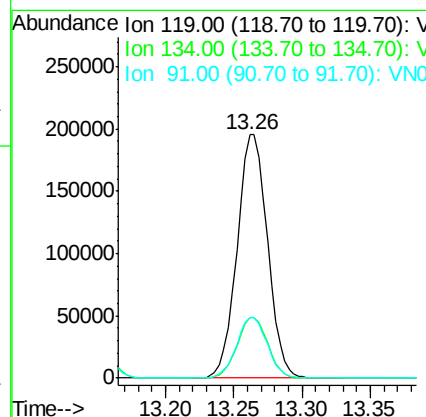
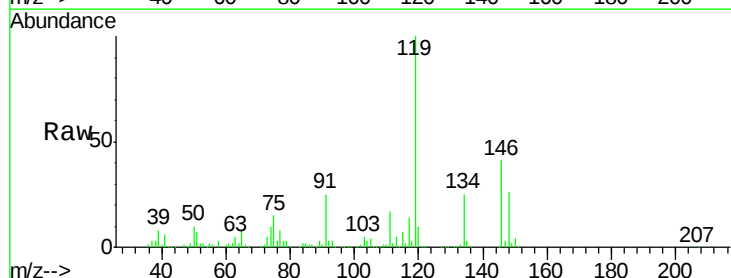
Tgt Ion:119 Resp: 302631

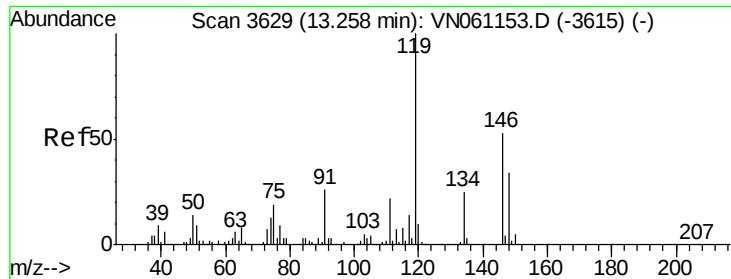
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.6

91 25.3 12.7 38.0





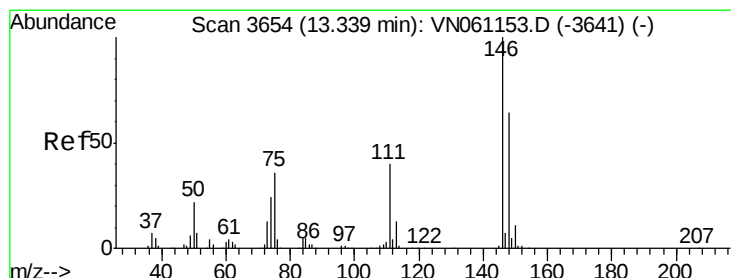
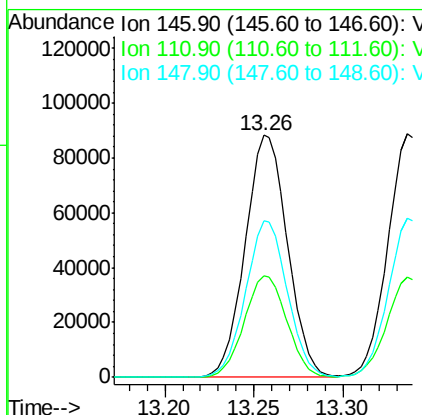
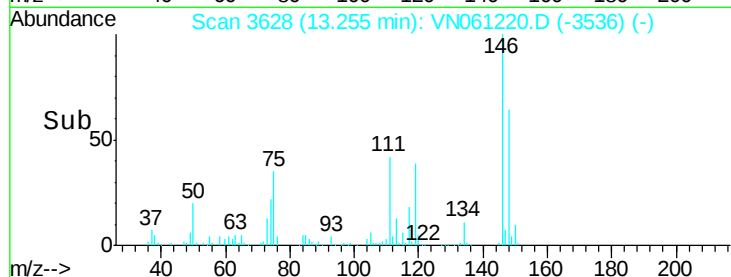
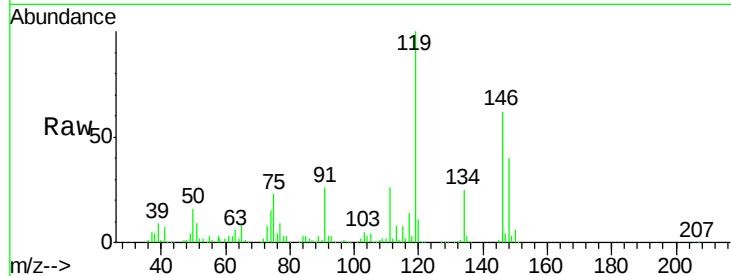
#87
 1,3-Dichlorobenzene
 Concen: 50.958 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	146396		
111	42.1	20.7	62.1	
148	63.6	31.8	95.3	

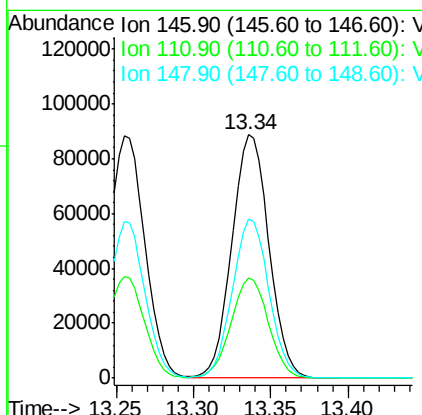
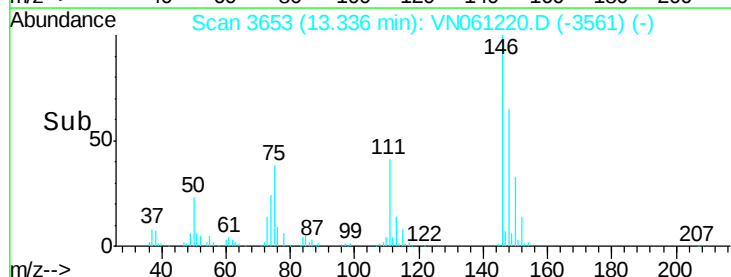
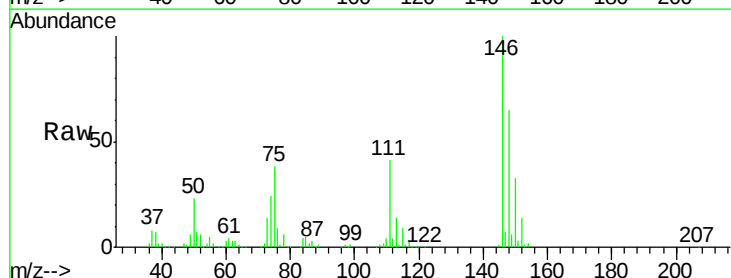
Manual Integrations
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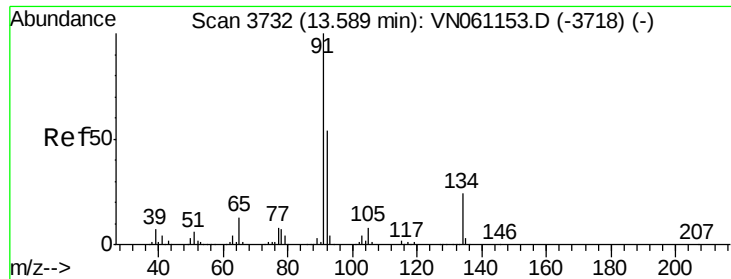
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#88
 1,4-Dichlorobenzene
 Concen: 50.247 ug/l
 RT: 13.34 min Scan# 3653
 Delta R.T. -0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	147493		
111	41.7	20.4	61.3	
148	64.6	31.9	95.7	





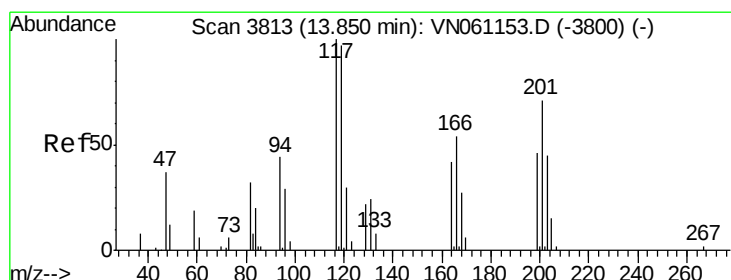
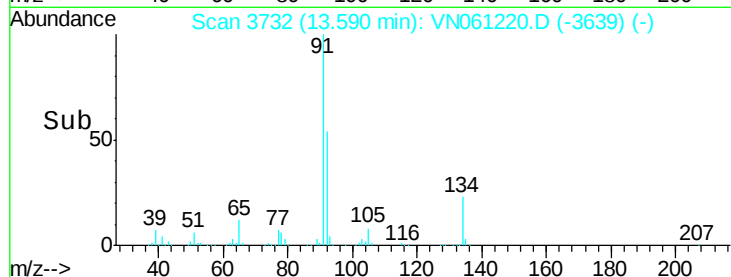
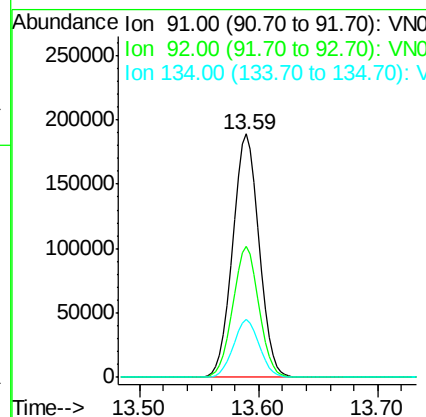
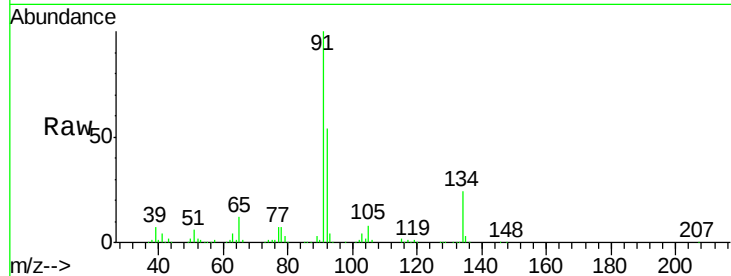
#89
n-Butylbenzene
Concen: 54.699 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.3
134	23.4	11.9	35.5

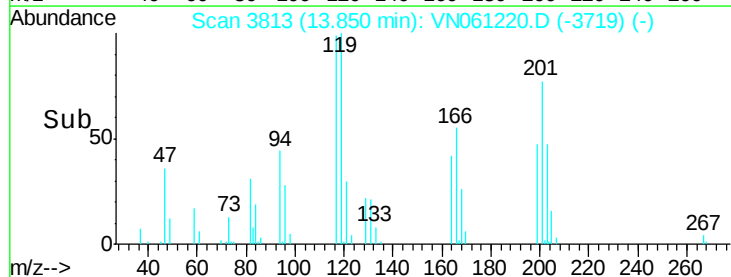
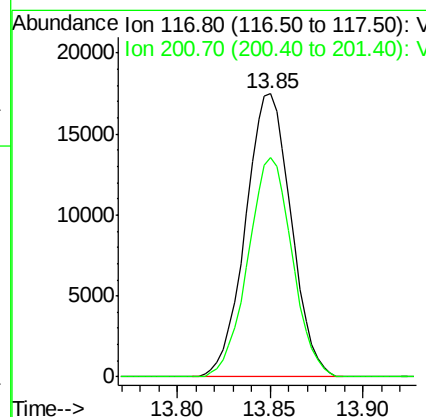
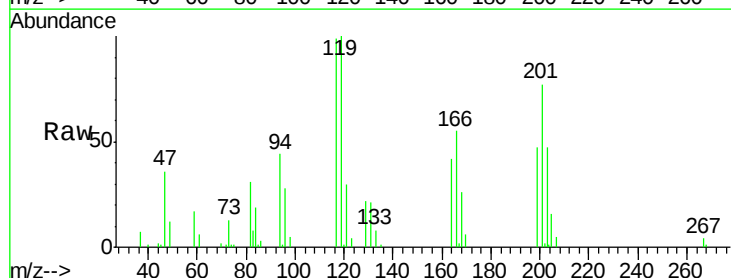
Manual Integrations
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#90
Hexachloroethane
Concen: 49.413 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061220.D
Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 50.710 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

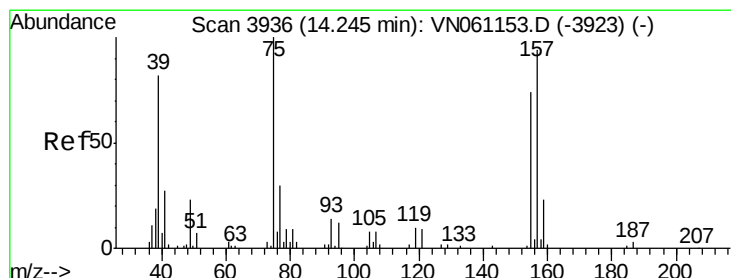
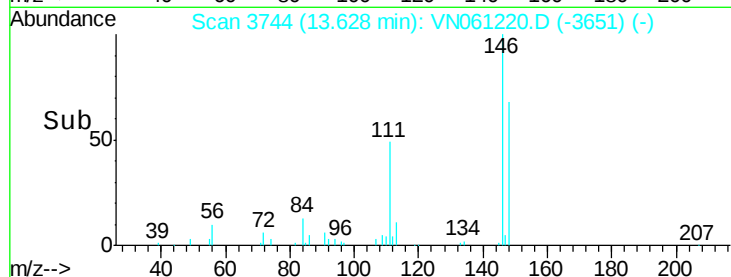
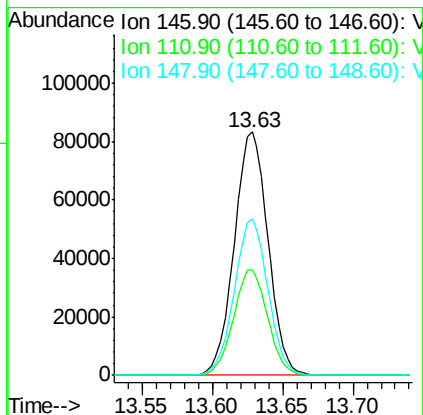
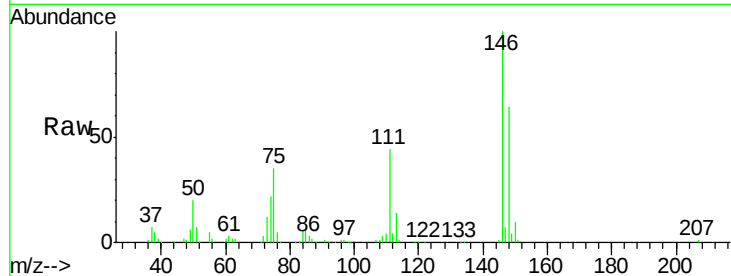
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	139687
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.8	65.3
148	63.9	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.578 ug/l

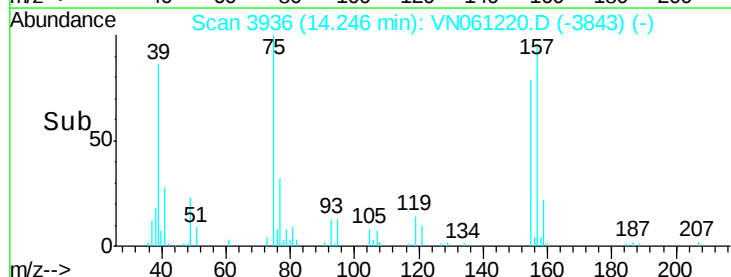
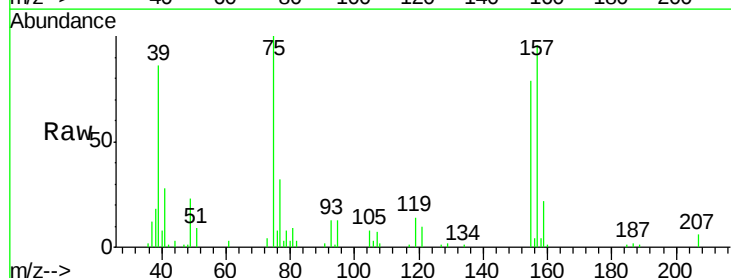
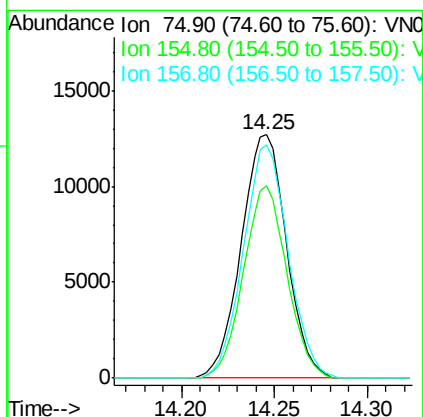
RT: 14.25 min Scan# 3936

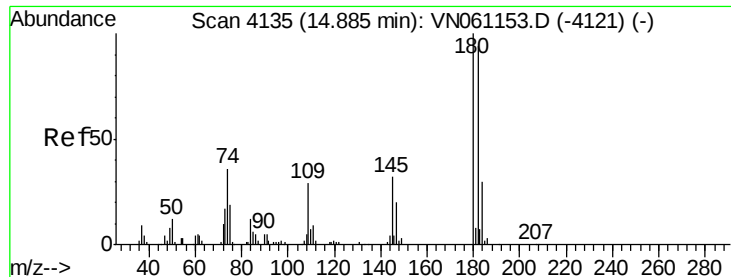
Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tgt Ion:	75	Resp:	21627
Ion Ratio	Lower	Upper	
75	100		
155	75.7	36.5	109.7
157	94.7	46.6	139.7





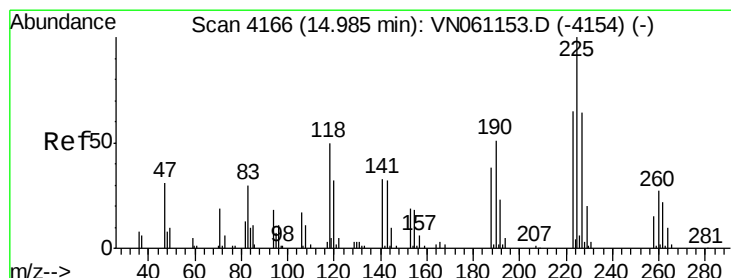
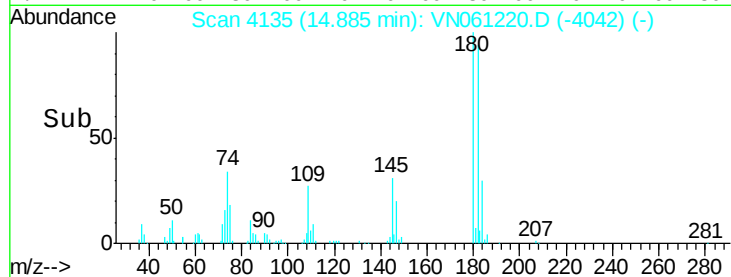
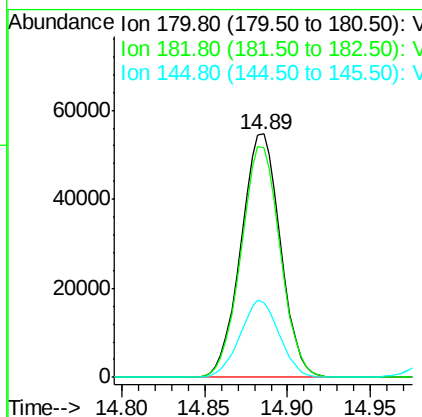
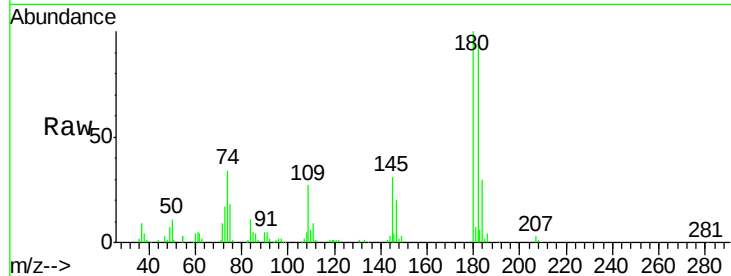
#93
 1,2,4-Trichlorobenzene
 Concen: 53.788 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	90226		
182	94.4	47.3	141.9	
145	31.4	16.0	47.9	

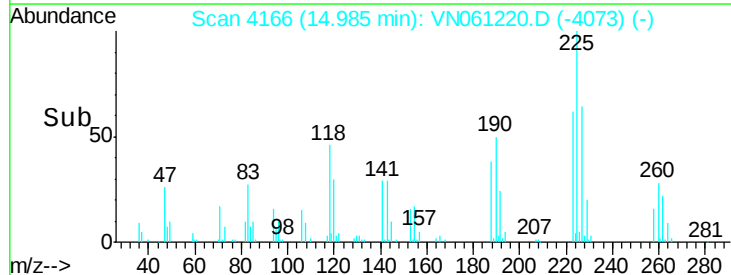
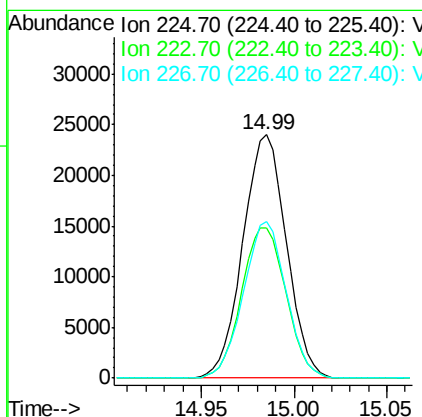
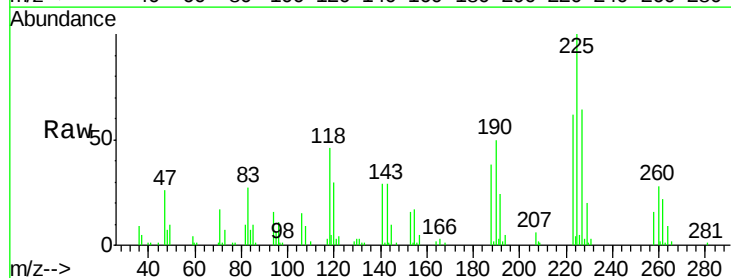
Manual Integrations
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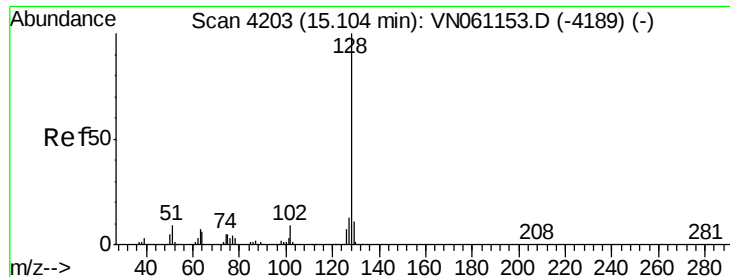
MMDadoda
 5/4/2020 2:57:56 PM



#94
 Hexachlorobutadiene
 Concen: 55.938 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061220.D
 Acq: 1 May 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39200		
223	63.2	32.4	97.0	
227	62.9	32.4	97.0	





#95

Naphthalene

Concen: 49.927 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Instrument :

MSVOA_N

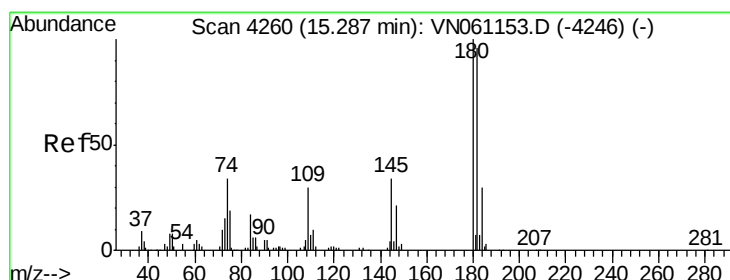
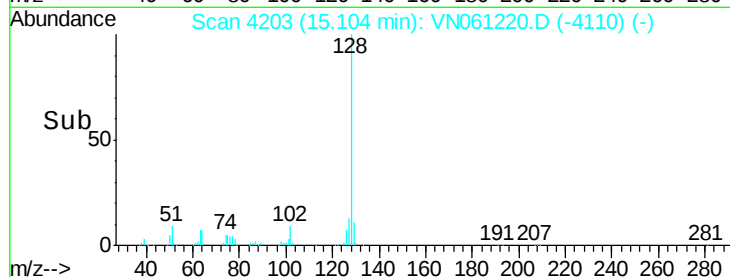
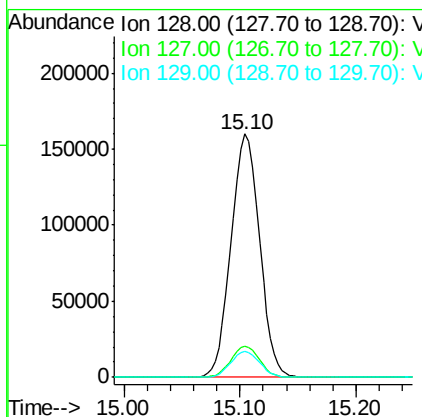
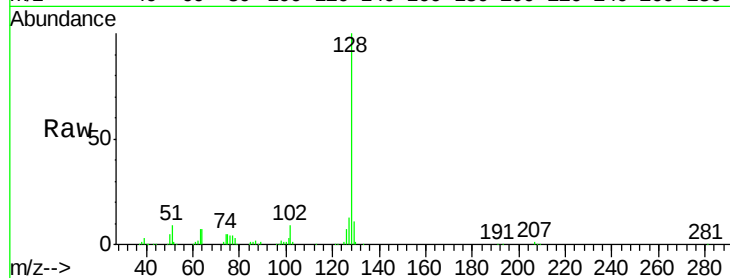
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	272744
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:57:56 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.163 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061220.D

Acq: 1 May 2020 10:43

Tgt Ion:	180	Resp:	86388
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.5	142.5
145	33.8	16.9	50.7

