

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060080.D
 Acq On : 12 Feb 2020 17:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:38:20 AM

Quant Time: Feb 13 01:36:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	224638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	357879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	337917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179671	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	135221	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.56	113	108612	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	10.08	98	422164	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	158827	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	110703	49.303	ug/l	99
3) Chloromethane	2.04	50	129623	48.510	ug/l	99
4) Vinyl Chloride	2.17	62	146284	48.029	ug/l	100
5) Bromomethane	2.54	94	87183	46.683	ug/l	99
6) Chloroethane	2.68	64	73552	47.745	ug/l	98
7) Trichlorofluoromethane	3.00	101	186273	47.435	ug/l	99
8) Diethyl Ether	3.39	74	64228	49.135	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	102729	47.120	ug/l	99
10) Methyl Iodide	3.93	142	141828	48.485	ug/l	99
11) Tert butyl alcohol	4.73	59	95320	233.029	ug/l	100
12) 1,1-Dichloroethene	3.72	96	102859	48.430	ug/l	97
13) Acrolein	3.58	56	89826	222.166	ug/l	96
14) Allyl chloride	4.29	41	148173	47.400	ug/l	97
15) Acrylonitrile	4.95	53	250960	251.223	ug/l	99
16) Acetone	3.78	43	250860	210.396	ug/l	98
17) Carbon Disulfide	4.03	76	300456	46.934	ug/l	99
18) Methyl Acetate	4.29	43	112456	50.208	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	343237	48.056	ug/l	100
20) Methylene Chloride	4.52	84	113847	47.860	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	110533	47.743	ug/l	99
22) Diisopropyl ether	5.91	45	334011	48.754	ug/l	99
23) Vinyl Acetate	5.86	43	1423406	247.411	ug/l	100
24) 1,1-Dichloroethane	5.82	63	197556	47.601	ug/l	99
25) 2-Butanone	6.80	43	350113	233.478	ug/l	99
26) 2,2-Dichloropropane	6.80	77	186250	47.248	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	127765	47.155	ug/l	100
28) Bromochloromethane	7.17	49	79889	48.964	ug/l	99
29) Tetrahydrofuran	7.18	42	221029	240.262	ug/l	99
30) Chloroform	7.35	83	208283	47.909	ug/l	99
31) Cyclohexane	7.63	56	177086	45.805	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	190043	47.836	ug/l	99
36) 1,1-Dichloropropene	7.77	75	157288	47.450	ug/l	99
37) Ethyl Acetate	6.90	43	142546	47.581	ug/l	99
38) Carbon Tetrachloride	7.75	117	169088	46.968	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	190652	46.333	ug/l	99
40) Benzene	8.02	78	456516	46.427	ug/l	100
41) Methacrylonitrile	7.15	41	64499m	51.338	ug/l	
42) 1,2-Dichloroethane	8.10	62	164917	47.853	ug/l	99
43) Isopropyl Acetate	8.14	43	249341	48.688	ug/l	100
44) Trichloroethene	8.82	130	125128	45.957	ug/l	98
45) 1,2-Dichloropropane	9.10	63	117192	48.140	ug/l	98
46) Dibromomethane	9.19	93	81111	47.149	ug/l	99
47) Bromodichloromethane	9.39	83	164697	47.089	ug/l	100
48) Methyl methacrylate	9.18	41	110749	48.200	ug/l	98
49) 1,4-Dioxane	9.18	88	37702	960.362	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	719474	242.721	ug/l	100
52) Toluene	10.14	92	298161	47.286	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	189474	47.993	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	198262	47.691	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	116176	47.227	ug/l	99
56) Ethyl methacrylate	10.42	69	175031	50.297	ug/l	99
57) 1,3-Dichloropropane	10.70	76	191057	47.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	416292	256.782	ug/l	100
59) 2-Hexanone	10.74	43	545139	238.076	ug/l	99
60) Dibromochloromethane	10.89	129	134703	47.718	ug/l	99
61) 1,2-Dibromoethane	11.00	107	123549	47.910	ug/l	99
64) Tetrachloroethene	10.62	164	112442	43.772	ug/l	98
65) Chlorobenzene	11.43	112	322827	46.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	124501	47.804	ug/l	99
67) Ethyl Benzene	11.50	91	587653	47.327	ug/l	99
68) m/p-Xylenes	11.62	106	440470	94.517	ug/l	100
69) o-Xylene	11.94	106	214210	47.740	ug/l	99
70) Styrene	11.96	104	356798	49.311	ug/l	100
71) Bromoform	12.12	173	102662	49.009	ug/l #	99
73) Isopropylbenzene	12.25	105	585148	43.613	ug/l	100
74) N-amyl acetate	12.06	43	227666	47.057	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	172403	44.643	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	140544m	40.886	ug/l	
77) Bromobenzene	12.52	156	221097m	66.402	ug/l	
78) n-propylbenzene	12.59	91	677086	44.294	ug/l	100
79) 2-Chlorotoluene	12.67	91	396629	44.144	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	499474	44.774	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	62437	44.473	ug/l	98
82) 4-Chlorotoluene	12.77	91	410074	44.486	ug/l	100
83) tert-Butylbenzene	12.99	119	419907	42.551	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	496208	45.061	ug/l	100
85) sec-Butylbenzene	13.17	105	571756	43.748	ug/l	100
86) p-Isopropyltoluene	13.28	119	527106	44.515	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	264063	44.803	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	263346	44.690	ug/l	99
89) n-Butylbenzene	13.61	91	478411	45.935	ug/l	100
90) Hexachloroethane	13.87	117	95915	43.358	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	255878	44.362	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	36619	44.511	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	169315	49.958	ug/l	99
94) Hexachlorobutadiene	15.01	225	85998	43.344	ug/l	100
95) Naphthalene	15.13	128	470591	51.403	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	162328	48.097	ug/l	100

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

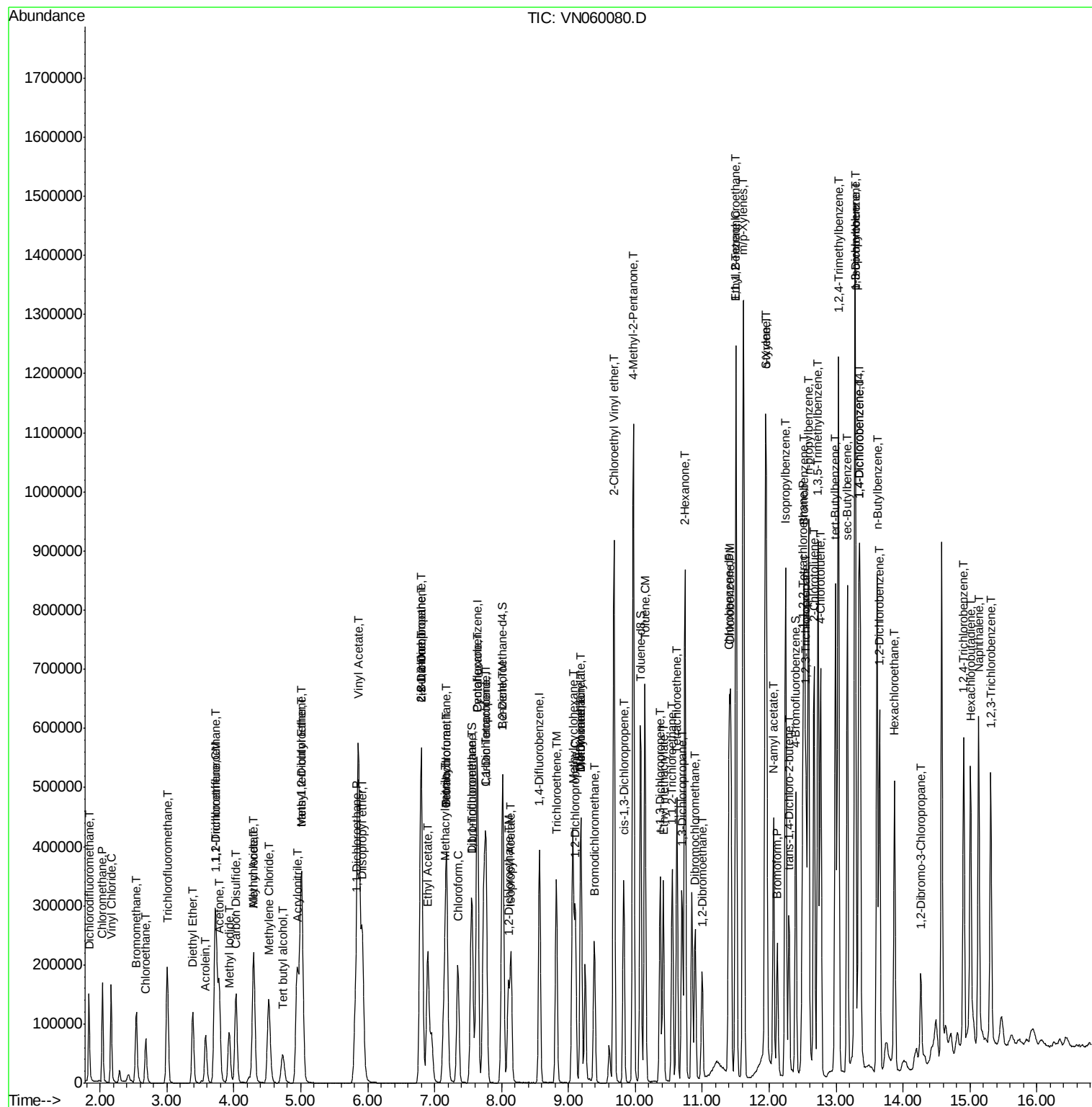
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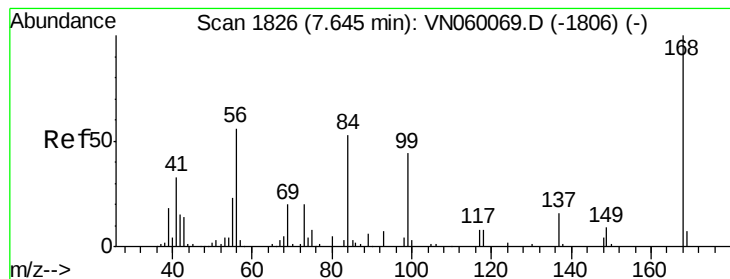
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 224638

Ion Ratio Lower Upper

168 100

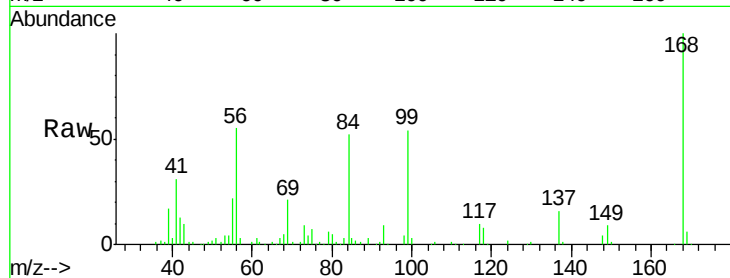
99 54.2 42.7 64.1

Manual Integrations

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2/13/2020 10:38:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

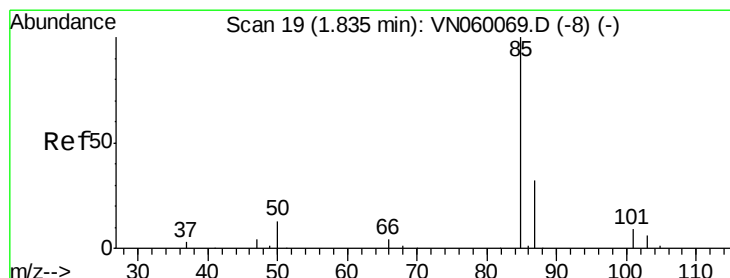
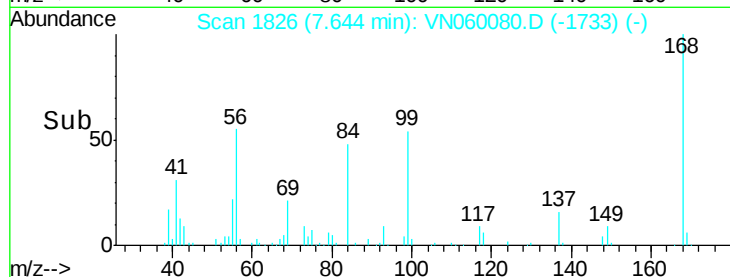
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.303 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060080.D

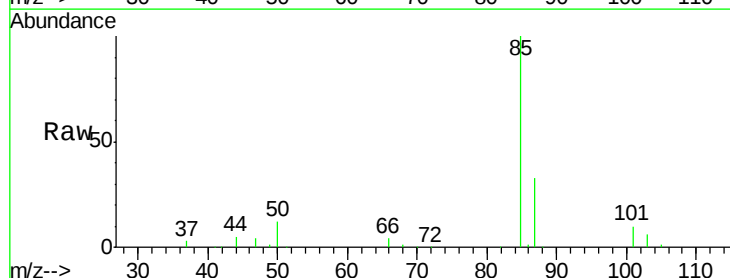
Acq: 12 Feb 2020 17:52

Tgt Ion: 85 Resp: 110703

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

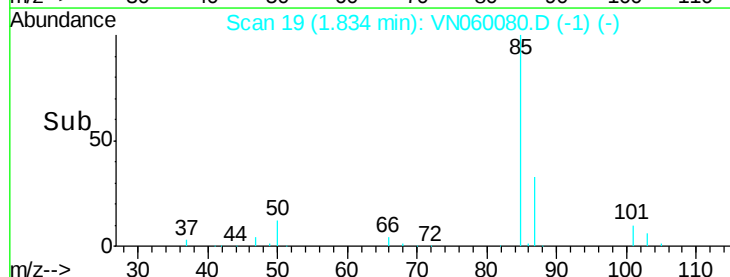
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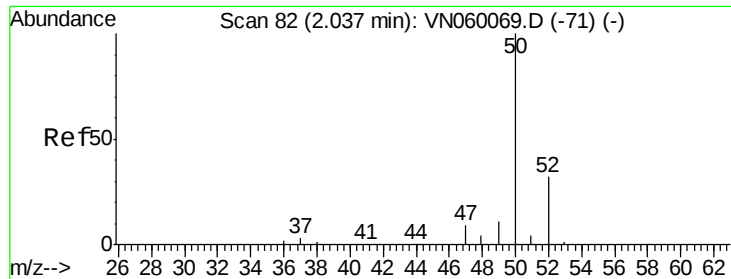
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 48.510 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 129623

Ion Ratio Lower Upper

50 100

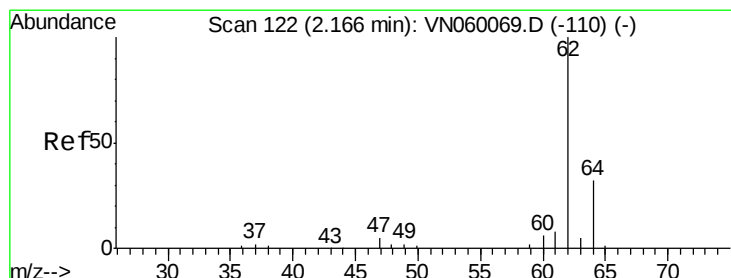
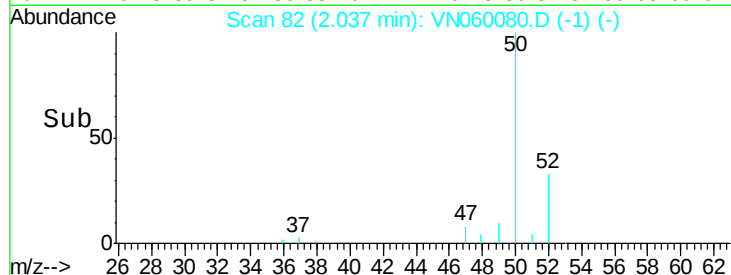
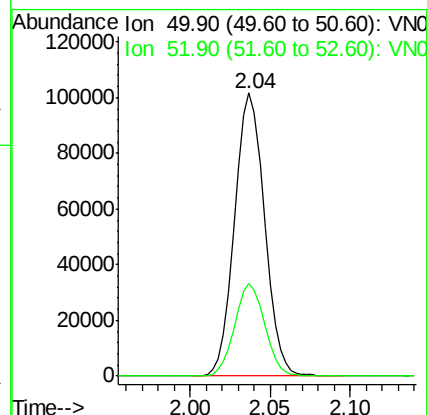
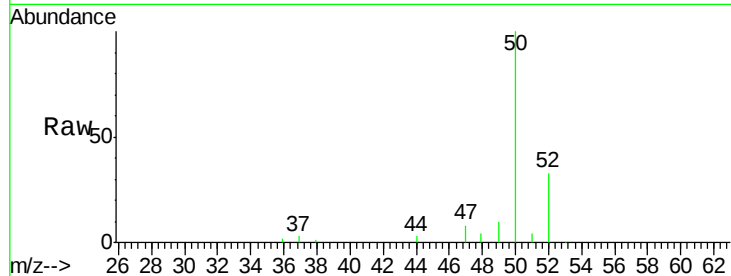
52 32.6 25.6 38.4

Manual Integrations

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2/13/2020 10:38:20 AM



#4

Vinyl Chloride

Concen: 48.029 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060080.D

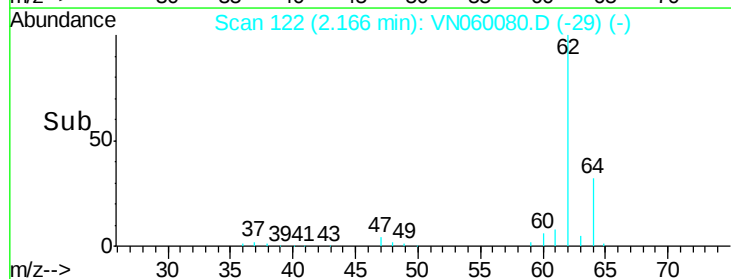
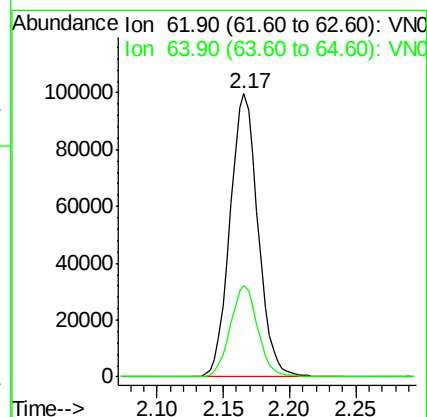
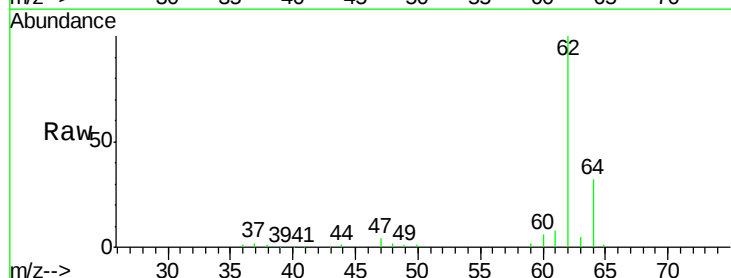
Acq: 12 Feb 2020 17:52

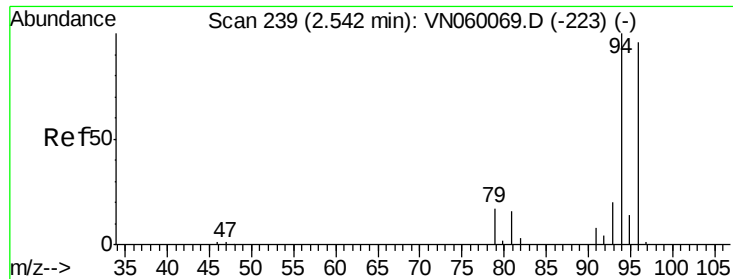
Tgt Ion: 62 Resp: 146284

Ion Ratio Lower Upper

62 100

64 32.2 25.9 38.9





#5

Bromomethane

Concen: 46.683 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 87183

Ion Ratio Lower Upper

94 100

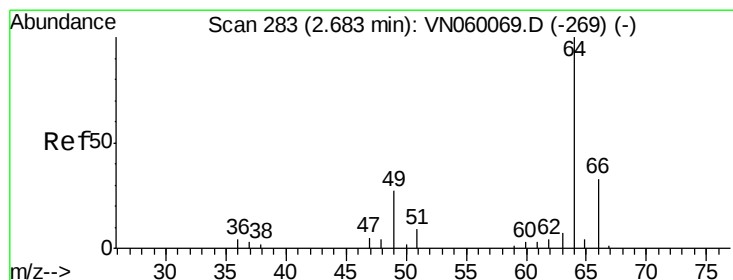
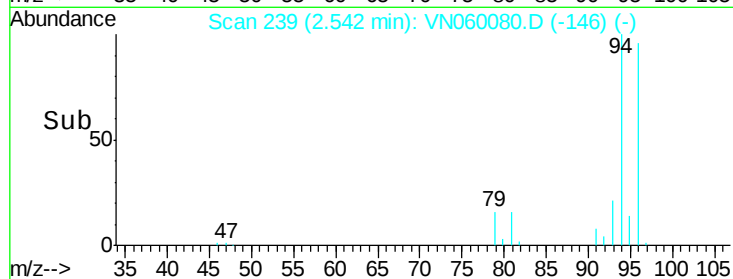
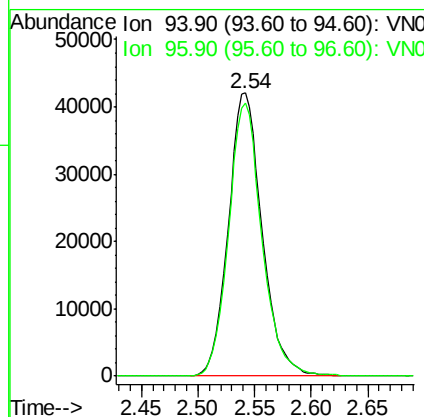
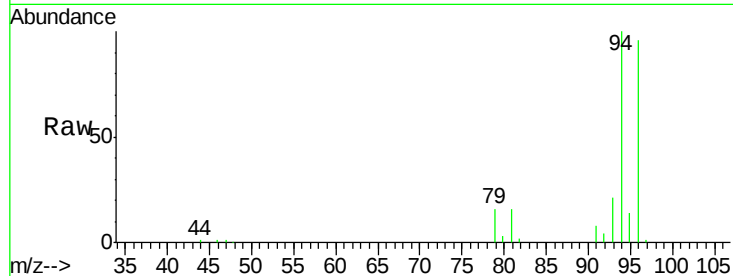
96 96.5 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 47.745 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060080.D

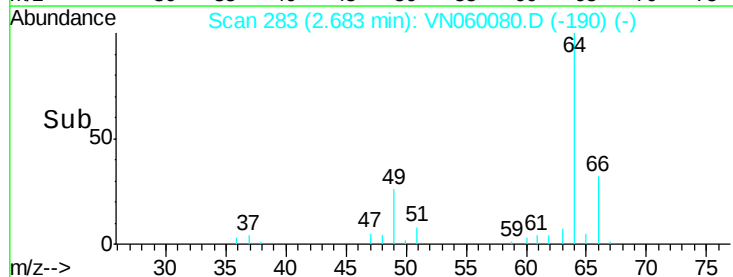
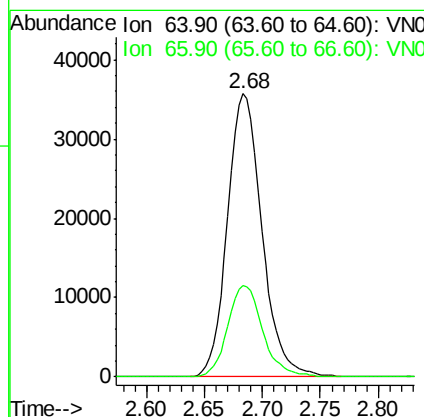
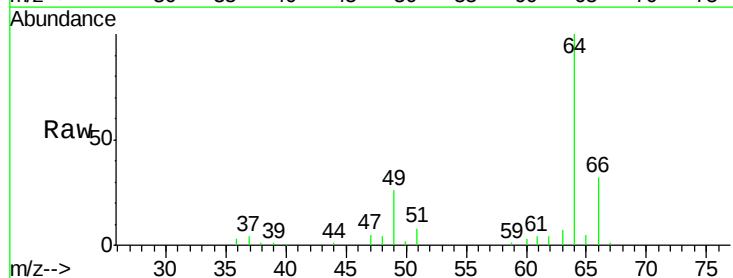
Acq: 12 Feb 2020 17:52

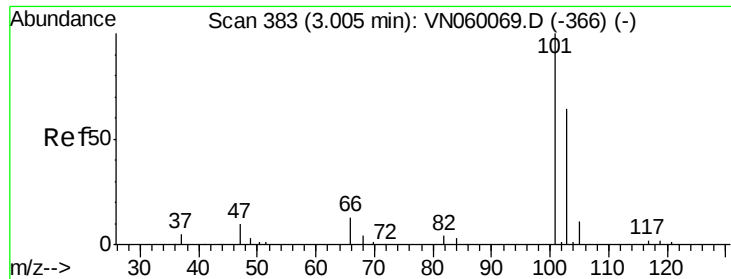
Tgt Ion: 64 Resp: 73552

Ion Ratio Lower Upper

64 100

66 32.1 26.6 40.0





#7

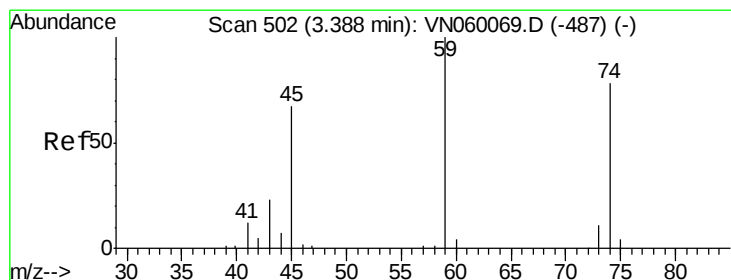
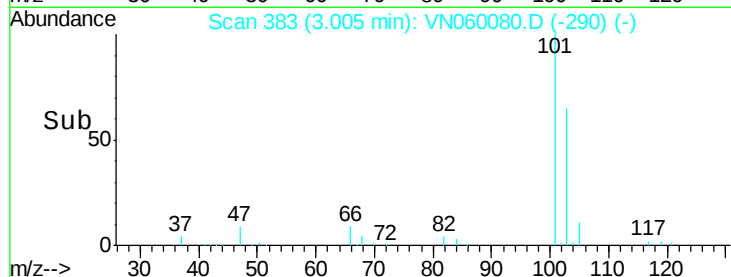
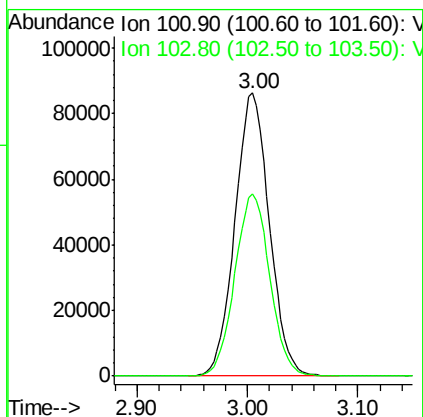
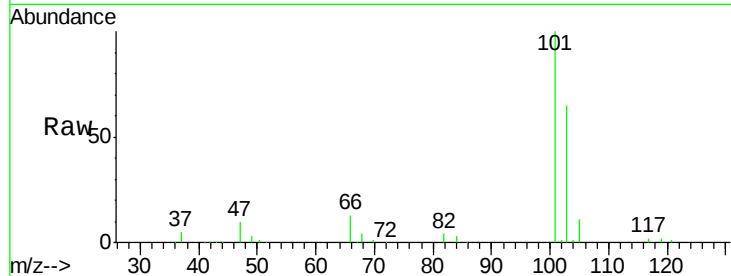
Trichlorofluoromethane
Concen: 47.435 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060080.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.0	76.6

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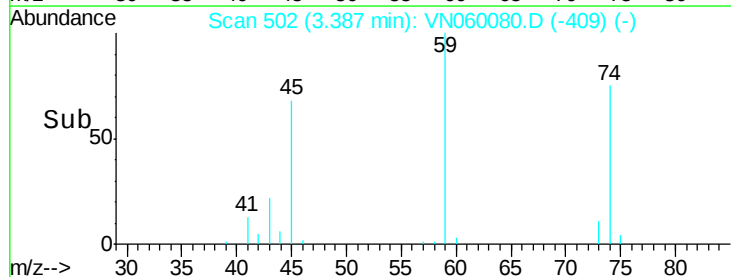
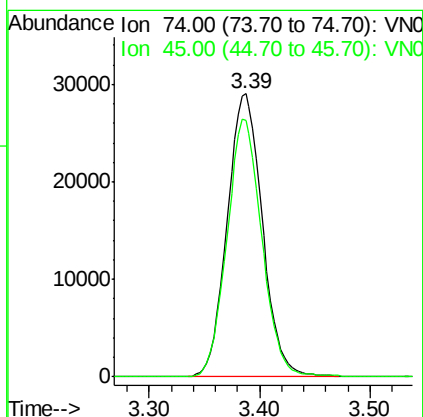
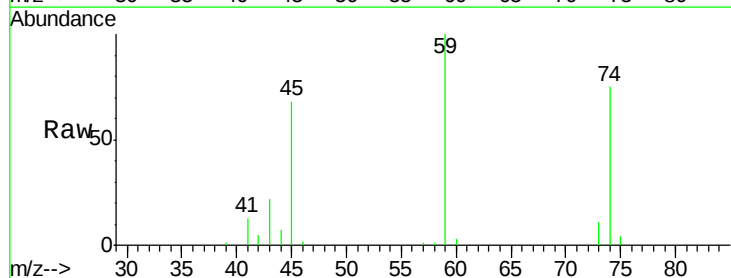
MMDadoda
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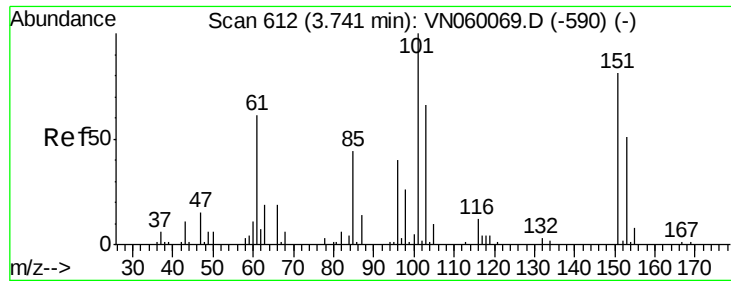


#8

Diethyl Ether
Concen: 49.135 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.0	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.120 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN060080.D

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MSVOA_N

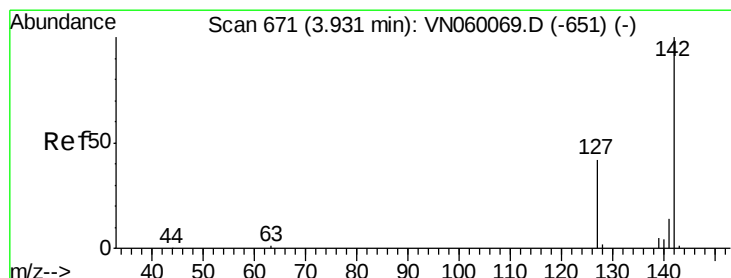
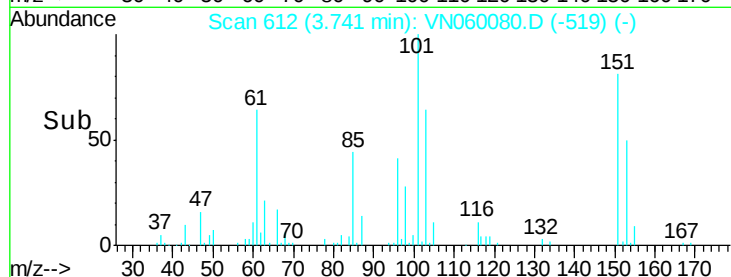
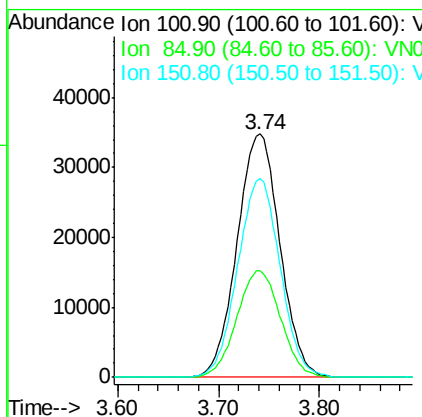
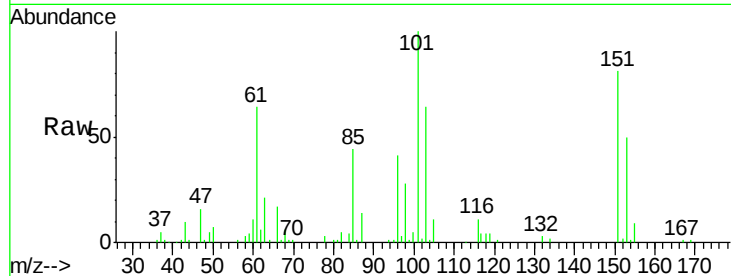
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	102729
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.1	52.7
151	80.9	65.8	98.6

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2/13/2020 10:38:20 AM



#10

Methyl Iodide

Concen: 48.485 ug/l

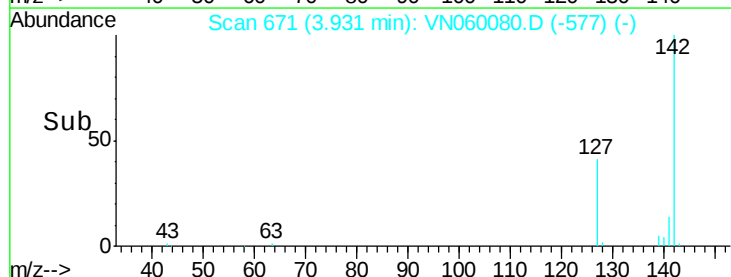
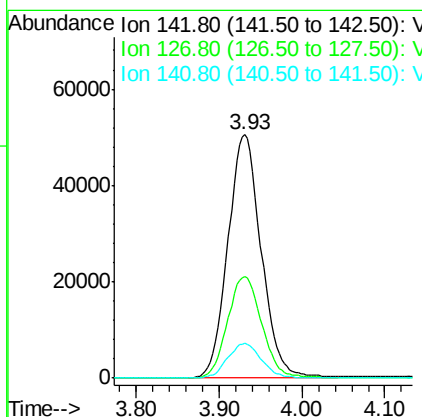
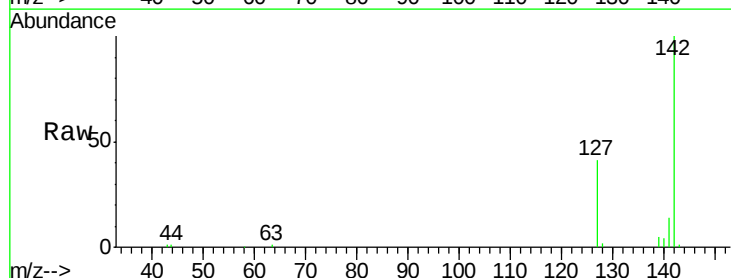
RT: 3.93 min Scan# 671

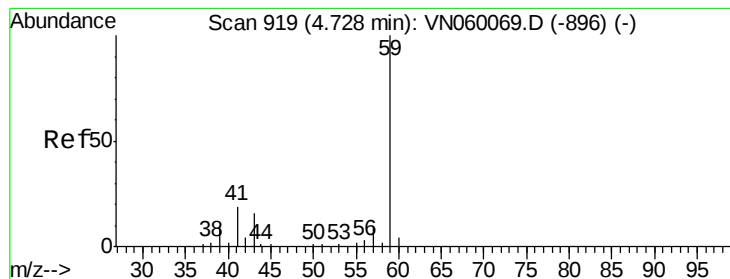
Delta R.T. 0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Tgt Ion:	142	Resp:	141828
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.6	50.4
141	14.4	11.4	17.2





#11

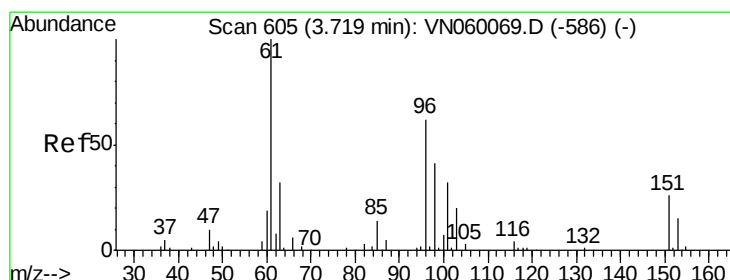
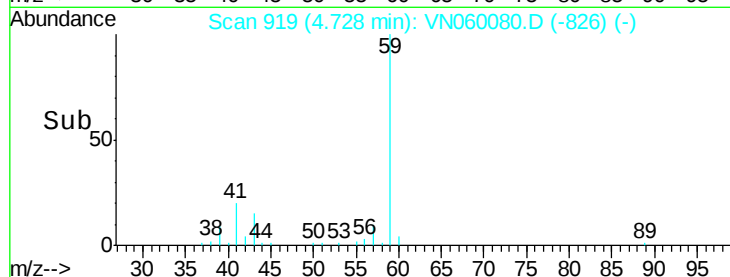
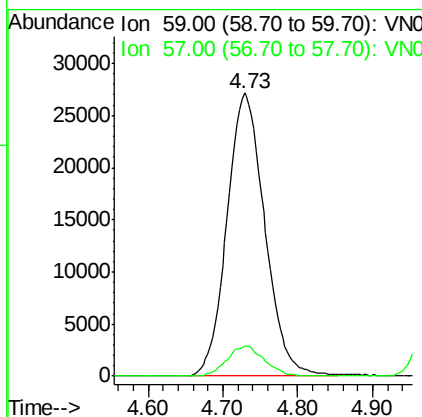
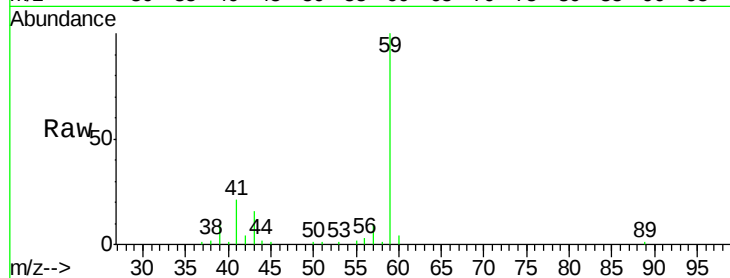
Tert butyl alcohol
Concen: 233.029 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

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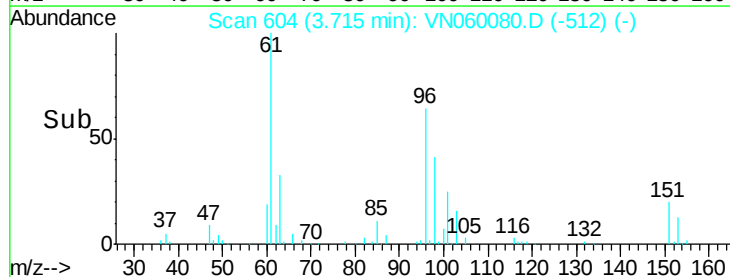
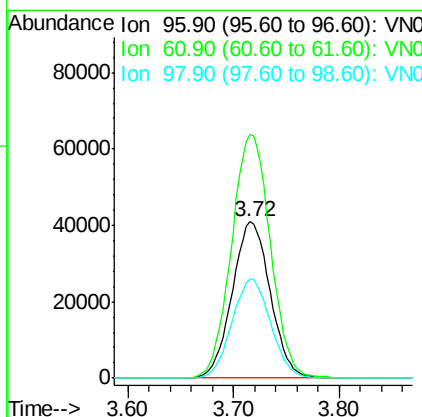
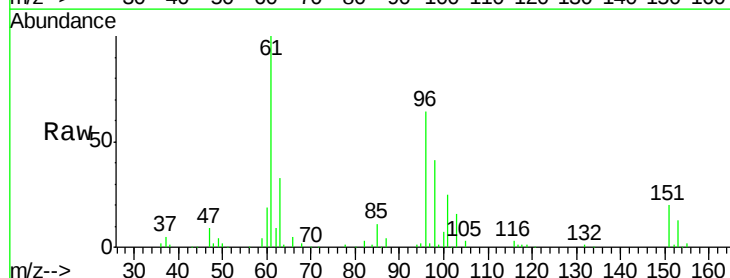
MMDadoda
2/13/2020 10:38:20 AM

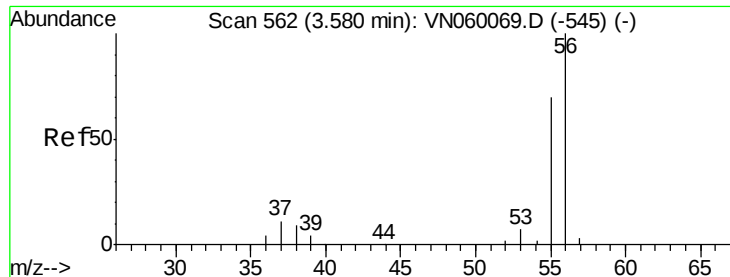


#12

1,1-Dichloroethene
Concen: 48.430 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	128.3	192.5
98	63.2	52.2	78.4





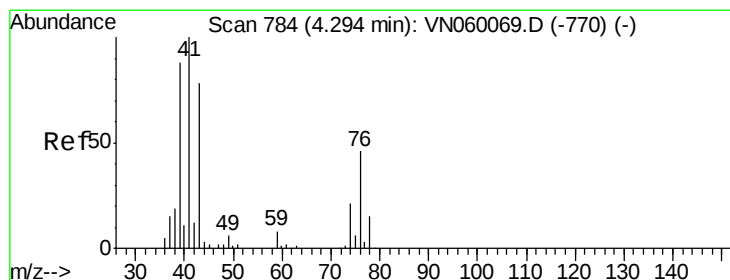
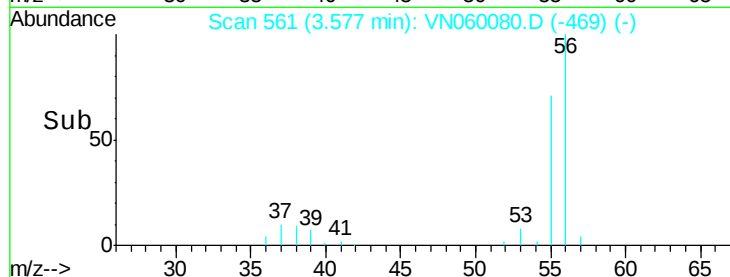
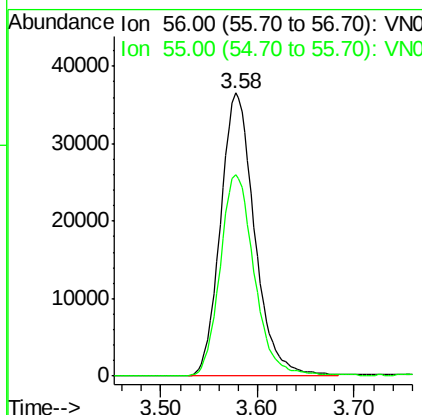
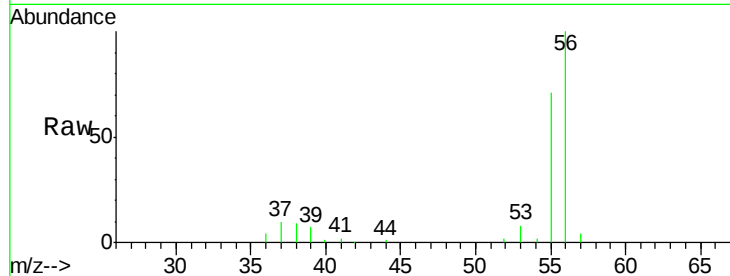
#13
Acrolein
Concen: 222.166 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	89826
Ion Ratio	100	Lower	Upper
56	100		
55	71.5	54.8	82.2

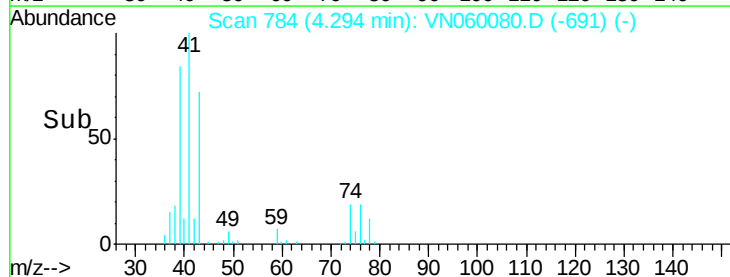
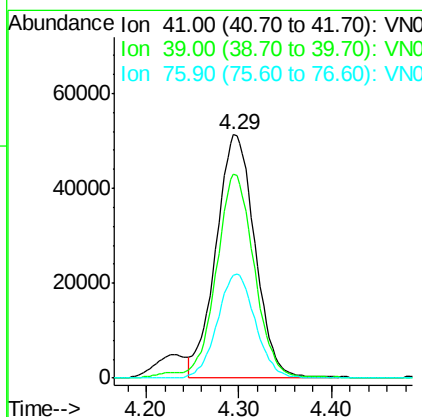
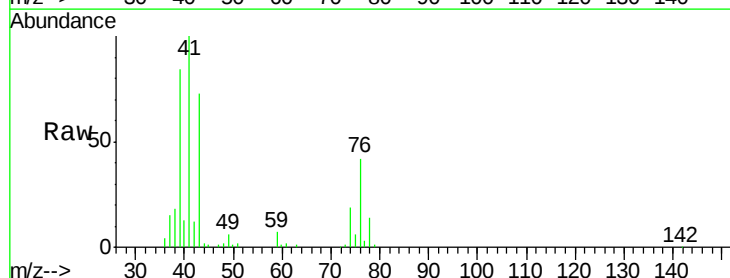
Manual Integrations
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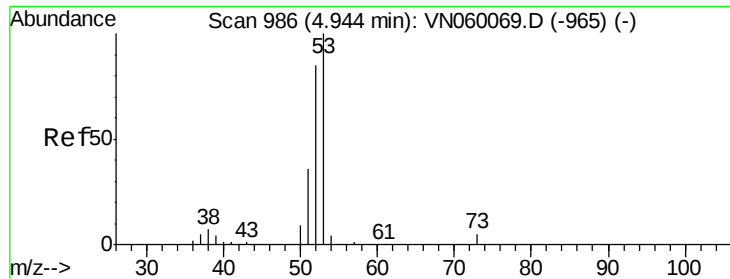
MMDadoda
2/13/2020 10:38:20 AM



#14
Allyl chloride
Concen: 47.400 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	41	Resp	148173
Ion Ratio	100	Lower	Upper
41	100		
39	80.7	67.8	101.8
76	41.9	33.9	50.9





#15

Acrylonitrile

Concen: 251.223 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

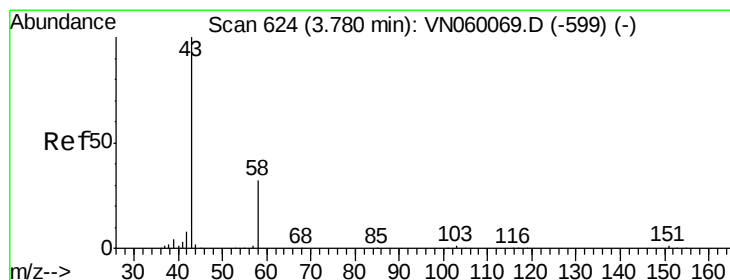
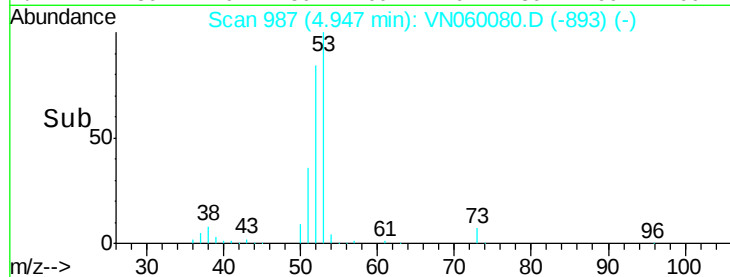
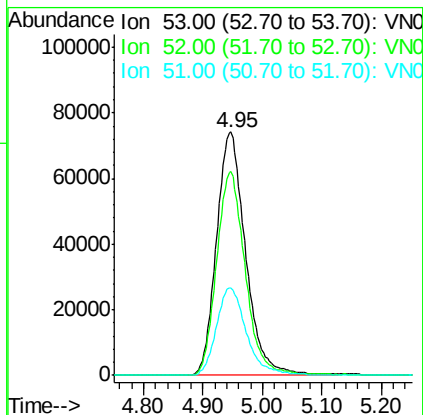
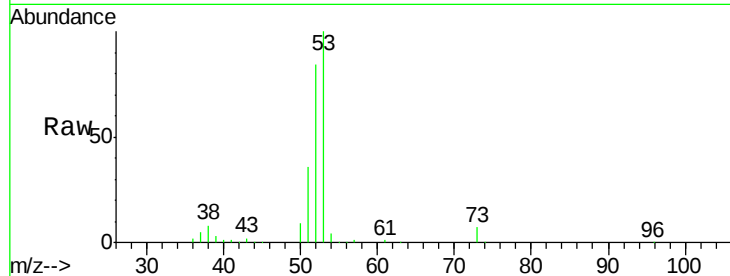
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	250960
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.8	100.2
51	36.9	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 210.396 ug/l

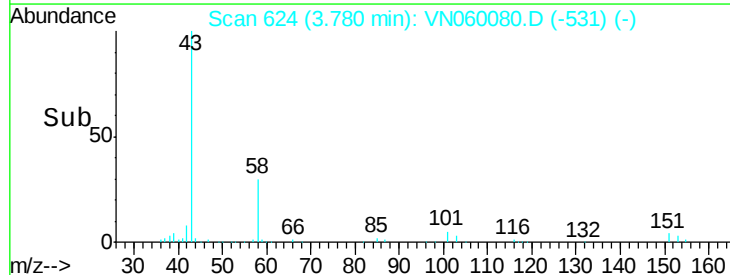
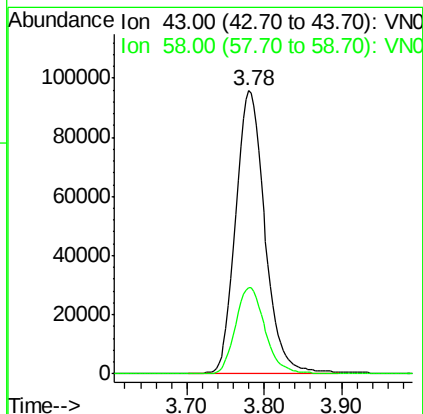
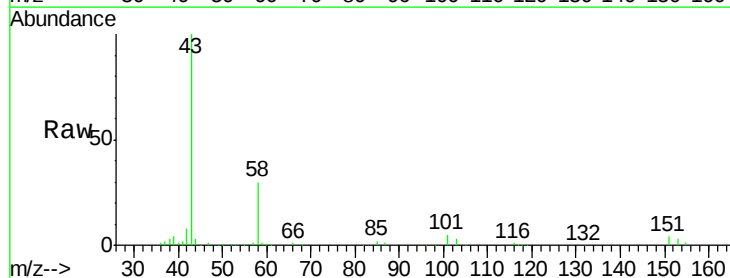
RT: 3.78 min Scan# 624

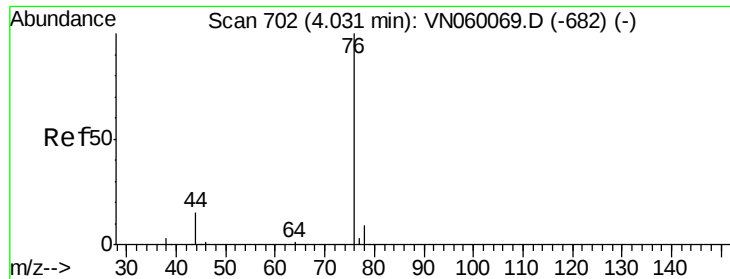
Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Tgt Ion:	43	Resp:	250860
Ion Ratio	Lower	Upper	
43	100		
58	30.5	25.2	37.8





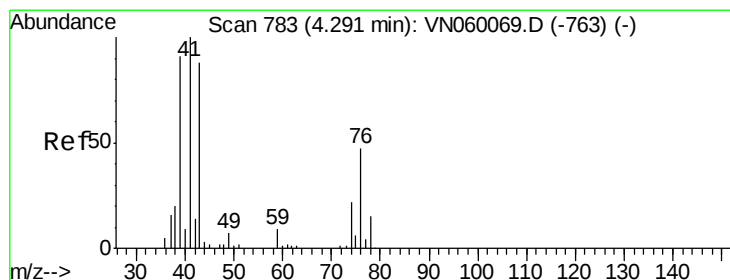
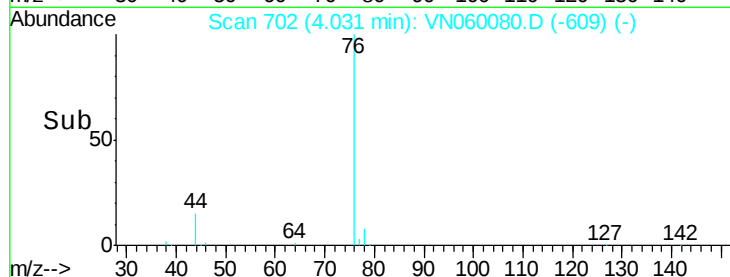
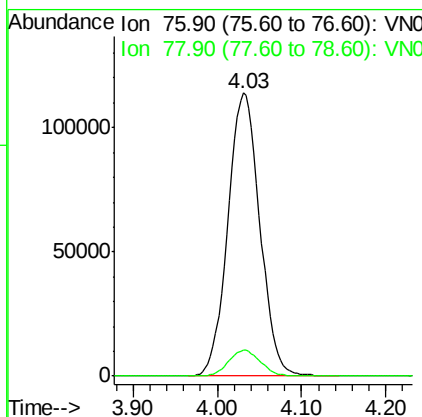
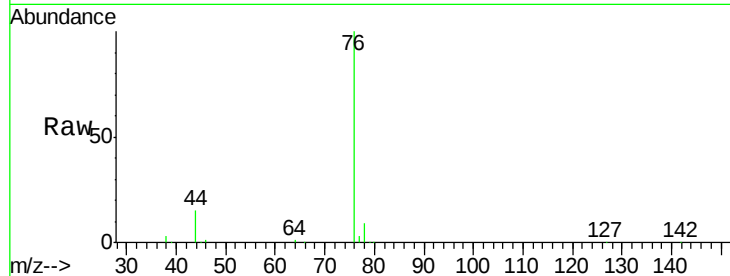
#17
Carbon Disulfide
Concen: 46.934 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

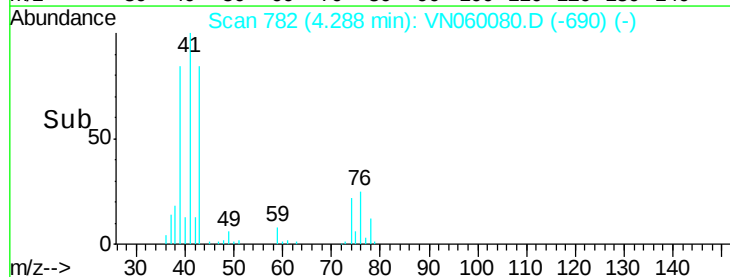
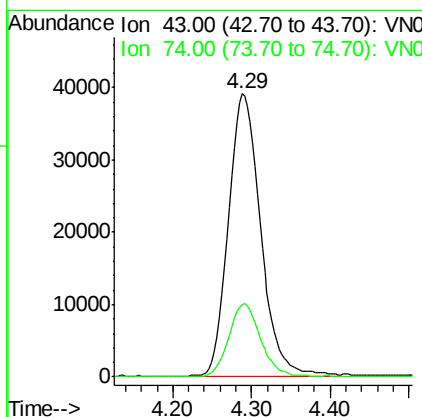
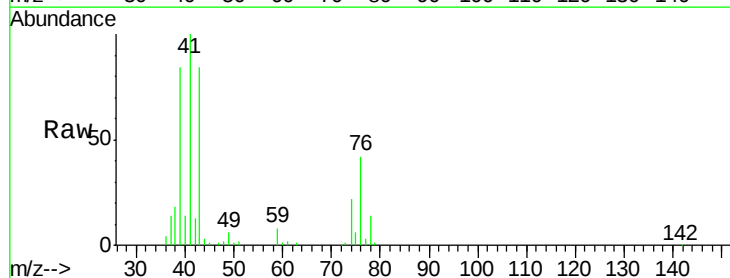
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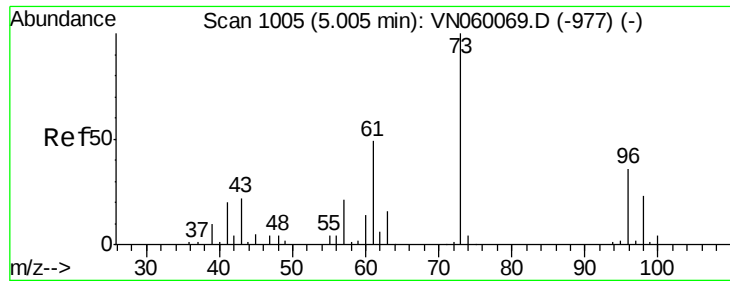
MMDadoda
2/13/2020 10:38:20 AM



#18
Methyl Acetate
Concen: 50.208 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.3	30.5





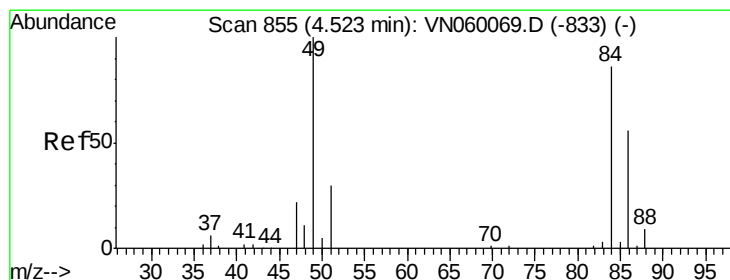
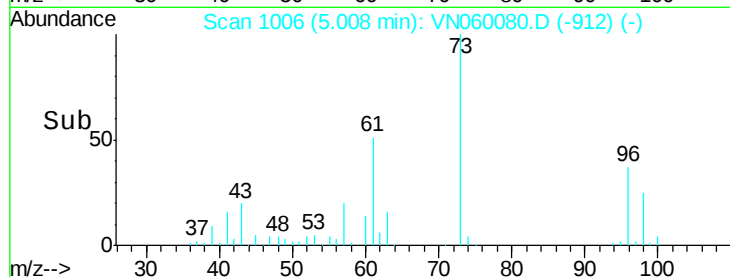
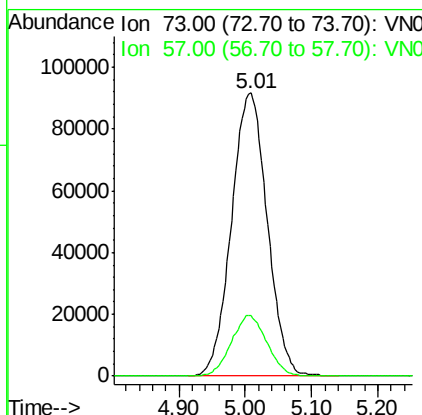
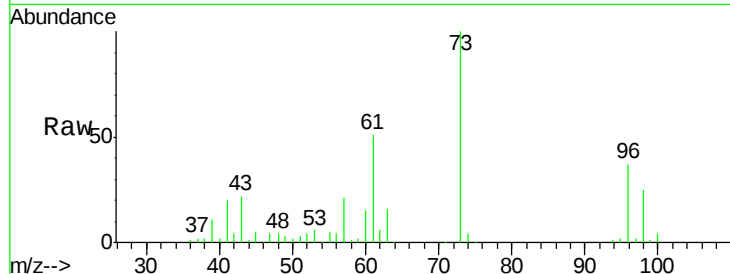
#19
Methvl tert-butvl Ether
Concen: 48.056 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 343237
Ion Ratio Lower Upper
73 100
57 21.3 17.2 25.8

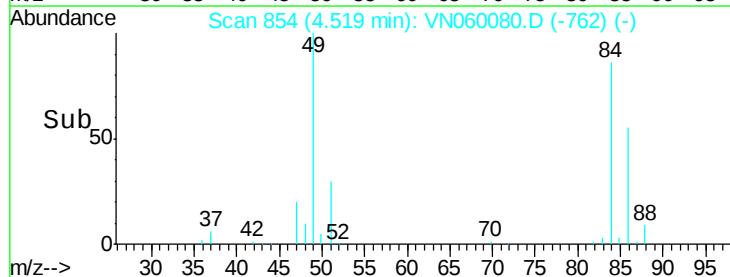
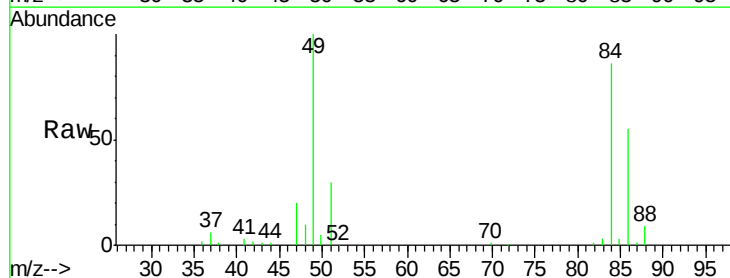
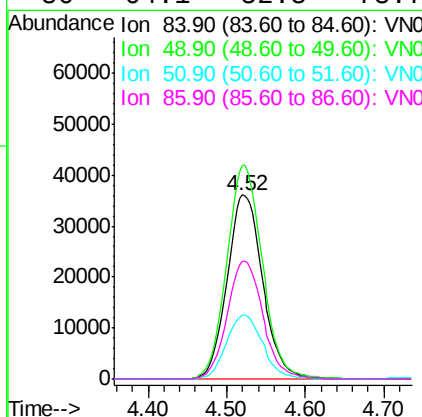
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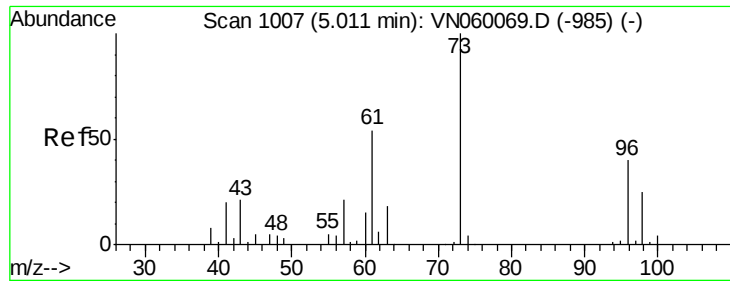
MMDadoda
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#20
Methylene Chloride
Concen: 47.860 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 84 Resp: 113847
Ion Ratio Lower Upper
84 100
49 115.9 93.4 140.0
51 34.6 28.4 42.6
86 64.1 52.5 78.7





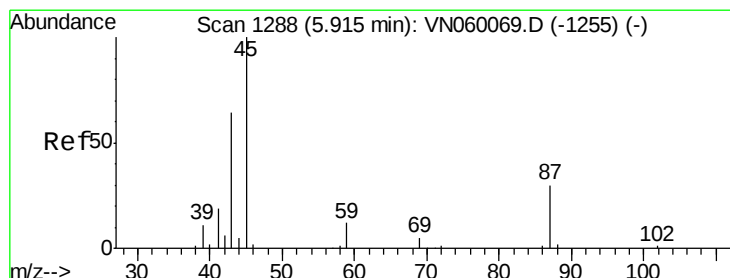
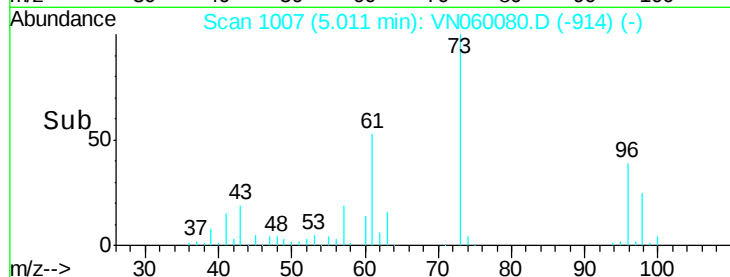
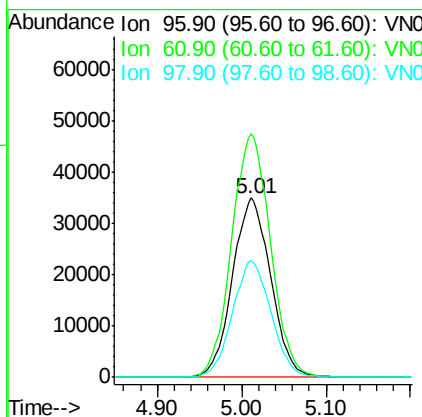
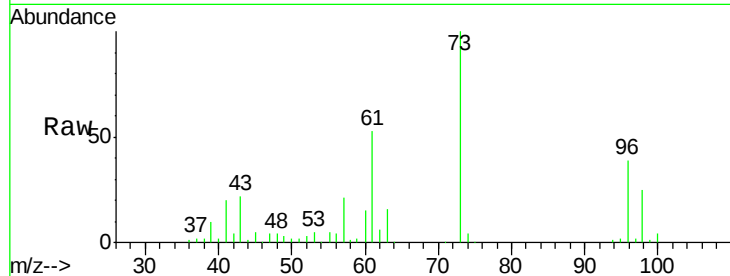
#21
trans-1,2-Dichloroethene
Concen: 47.743 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.8	109.3	163.9
98	65.2	51.0	76.6

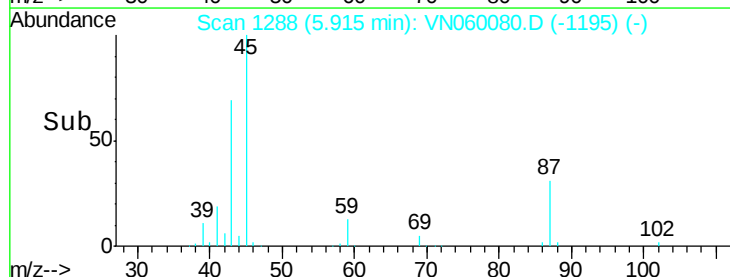
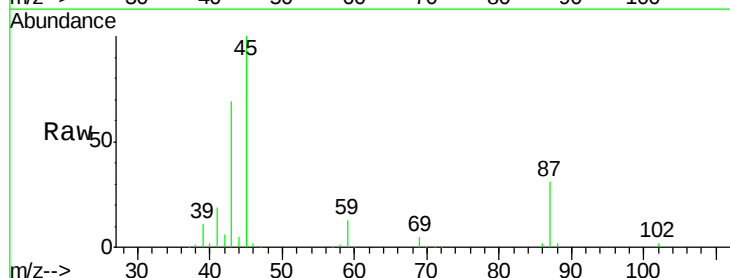
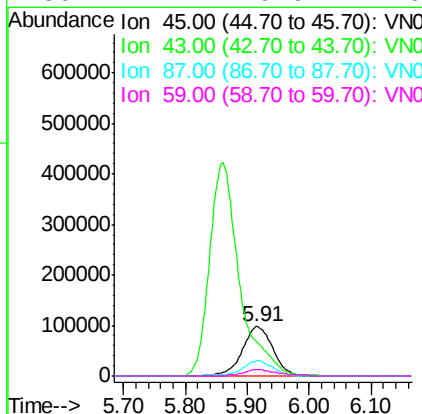
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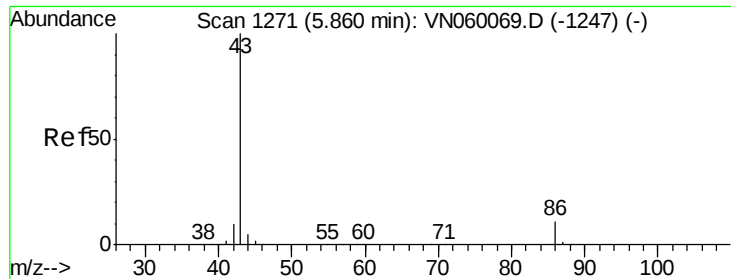
MMDadoda
2/13/2020 10:38:20 AM



#22
Diisopropyl ether
Concen: 48.754 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.3	55.9	83.9
87	30.7	24.5	36.7
59	12.7	9.9	14.9





#23

Vinyl Acetate

Concen: 247.411 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1423406

Ion Ratio Lower Upper

43 100

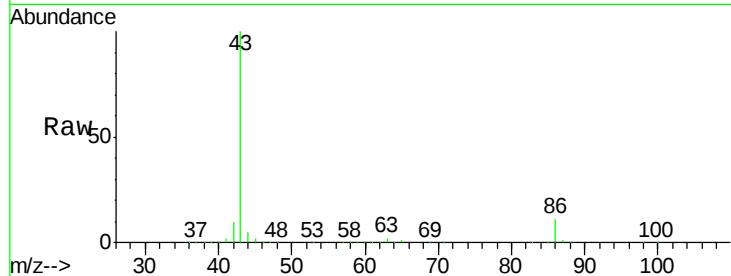
86 11.0 8.9 13.3

Manual Integrations

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2/13/2020 10:38:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN060069.D (-1247) (-)

500000

400000

300000

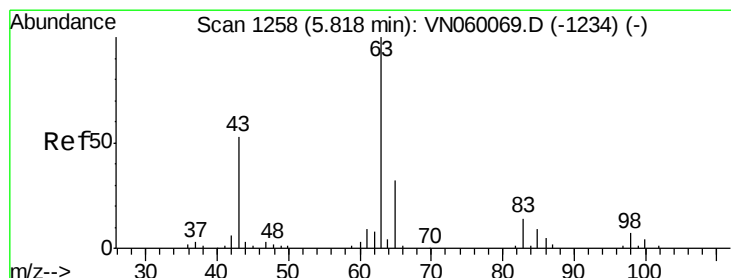
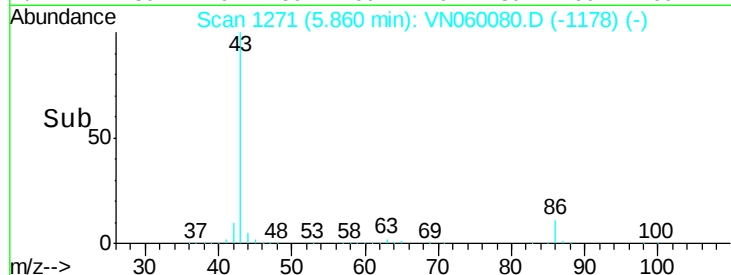
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.601 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

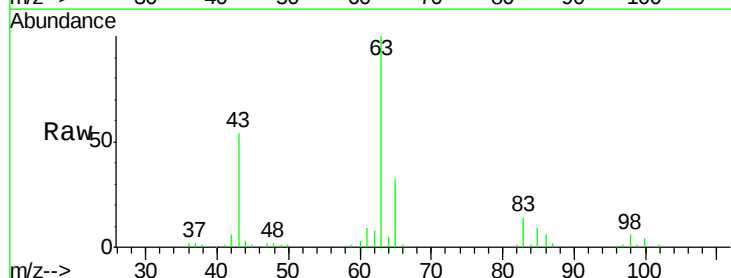
Tgt Ion: 63 Resp: 197556

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN060069.D (-1234) (-)

80000

60000

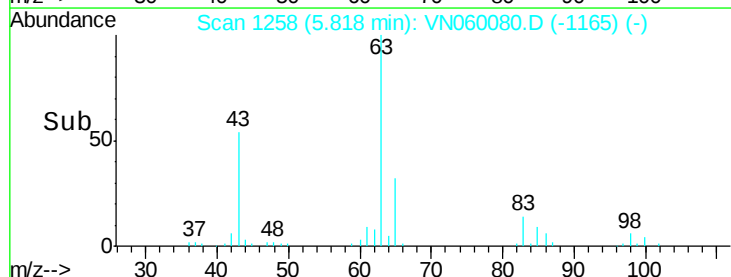
40000

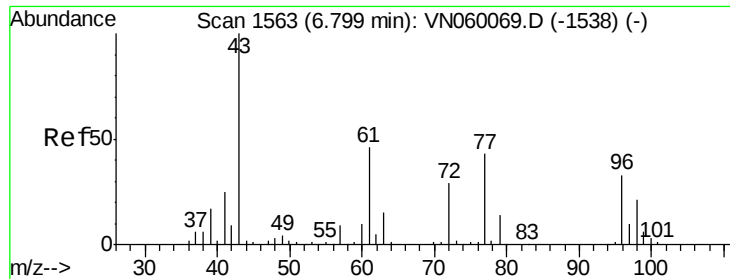
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 233.478 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 350113

Ion Ratio Lower Upper

43 100

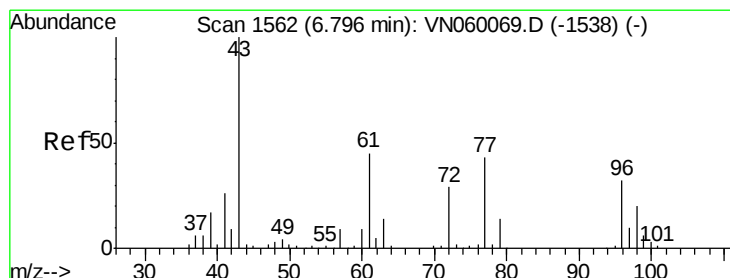
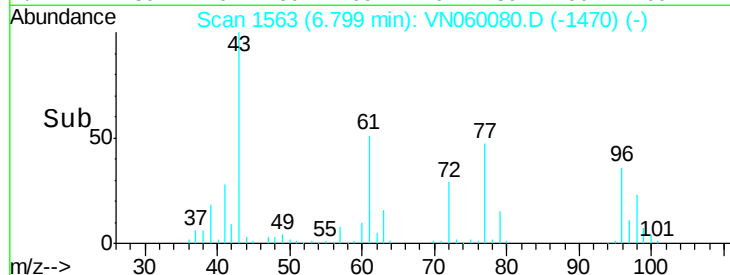
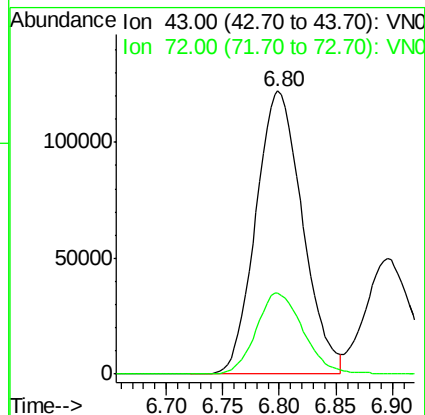
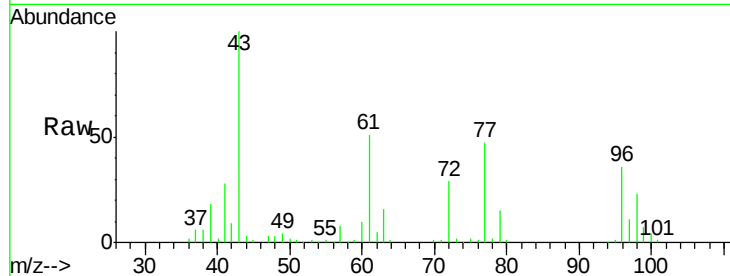
72 28.6 23.3 34.9

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 47.248 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060080.D

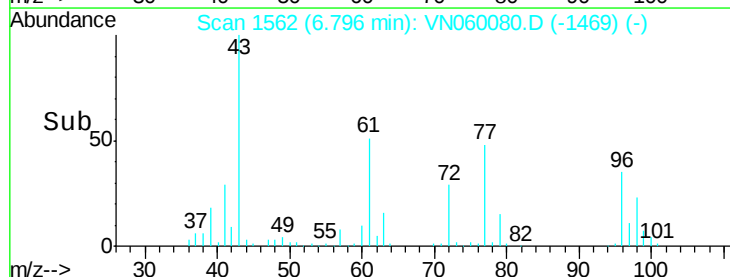
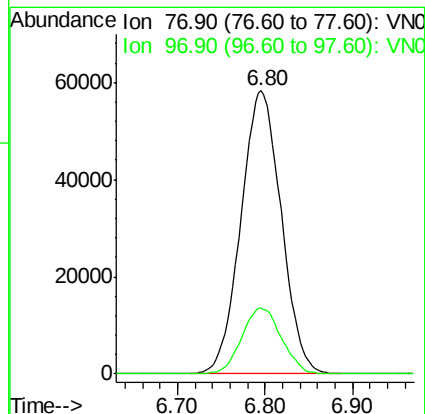
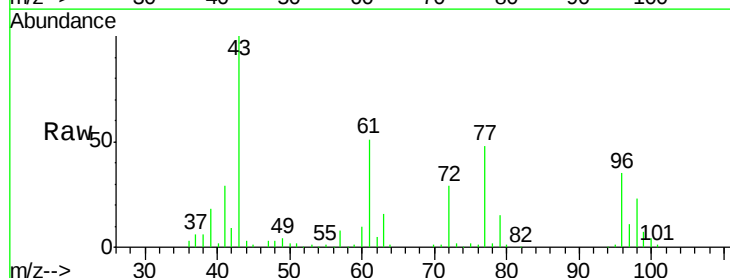
Acq: 12 Feb 2020 17:52

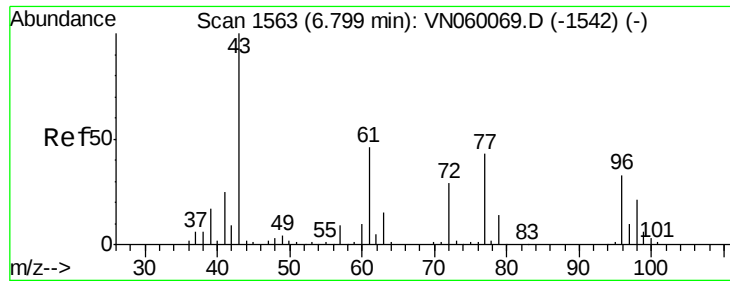
Tgt Ion: 77 Resp: 186250

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 47.155 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

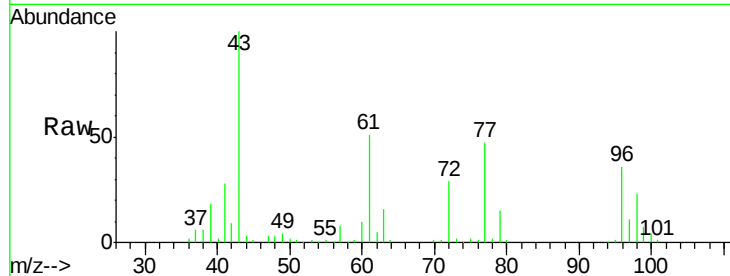
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	127765
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	285.8
98	64.0	0.0	129.6

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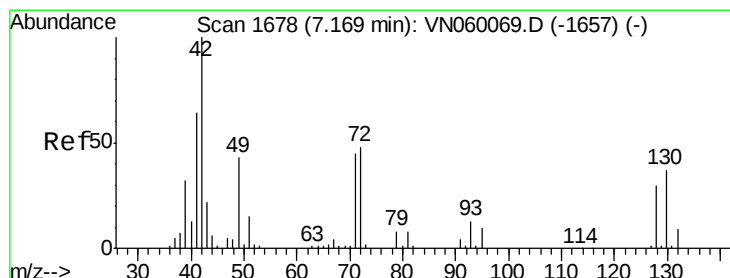
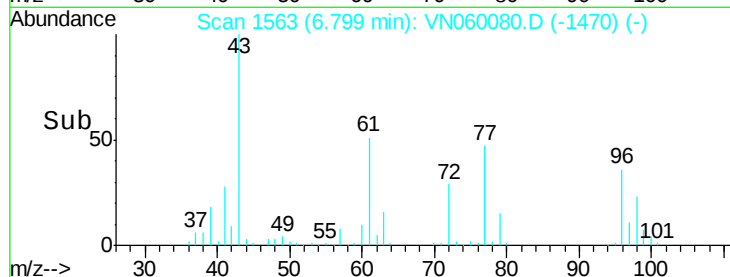
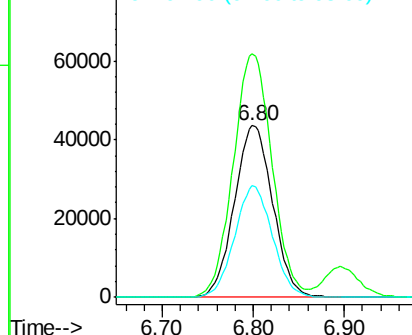


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.964 ug/l

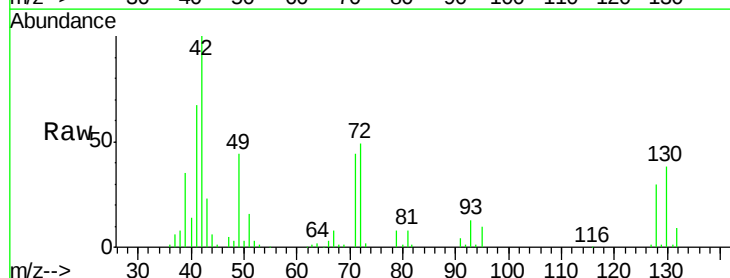
RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Tgt Ion:	49	Resp:	79889
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.2
130	84.1	66.8	100.2

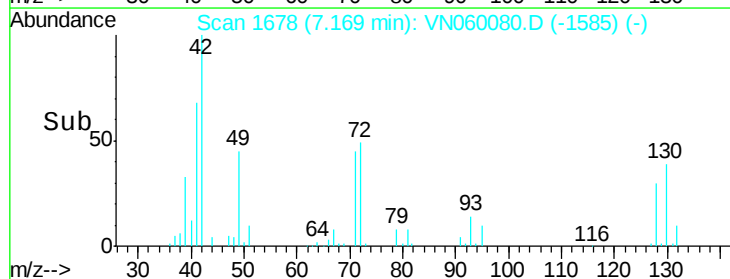
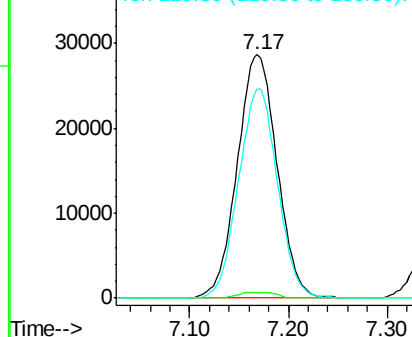


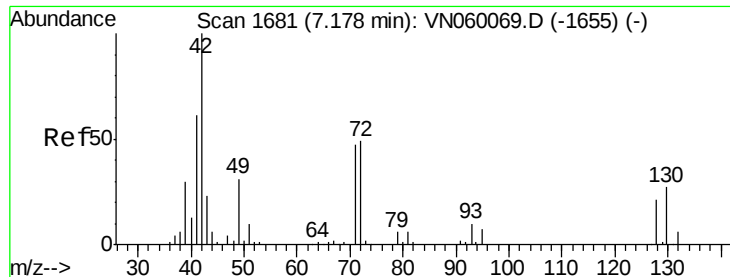
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0





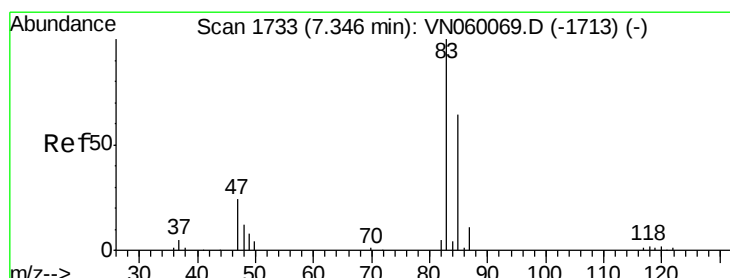
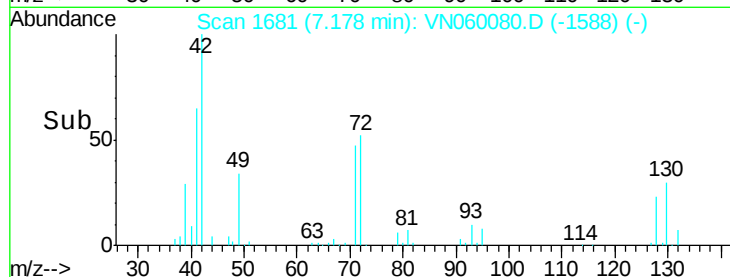
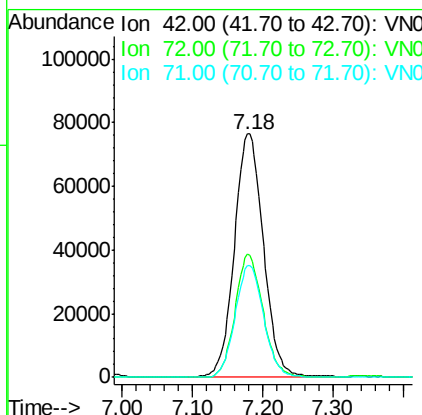
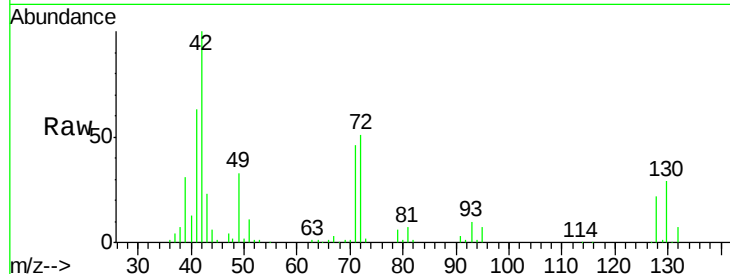
#29
Tetrahydrofuran
Concen: 240.262 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.4
71	44.9	36.6	54.8

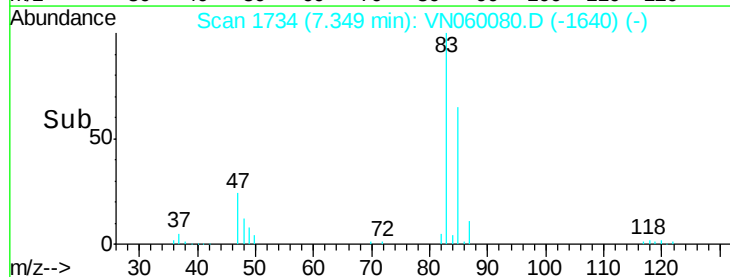
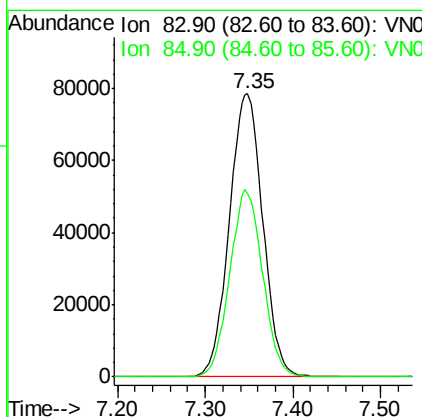
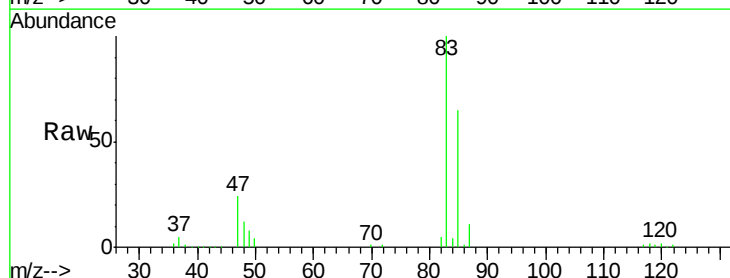
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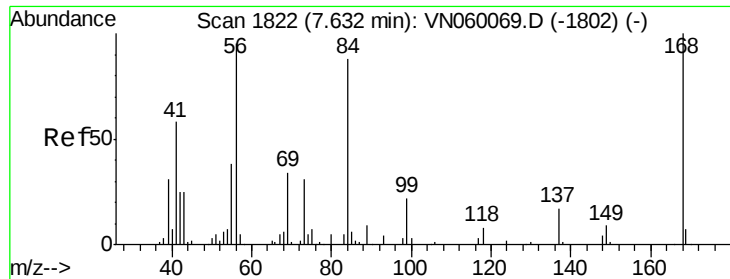
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#30
Chloroform
Concen: 47.909 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.0





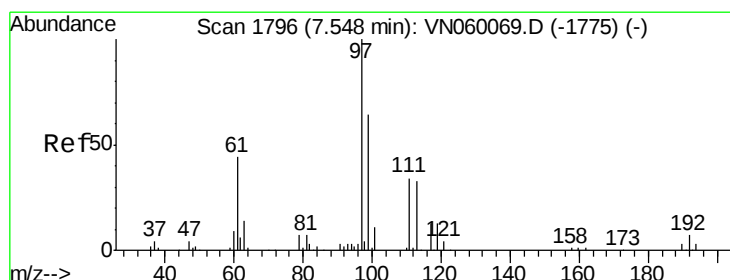
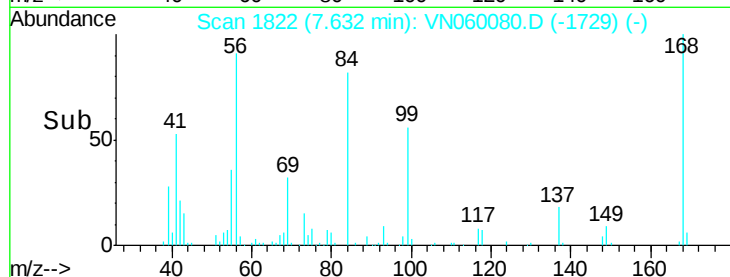
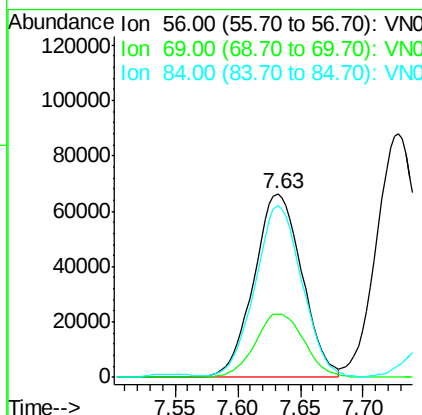
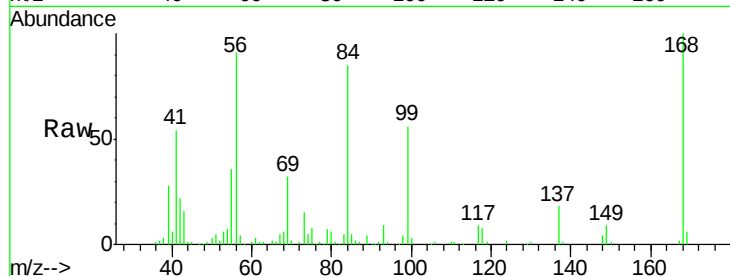
#31
Cyclohexane
Concen: 45.805 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	28.3	42.5
84	92.1	72.6	108.8

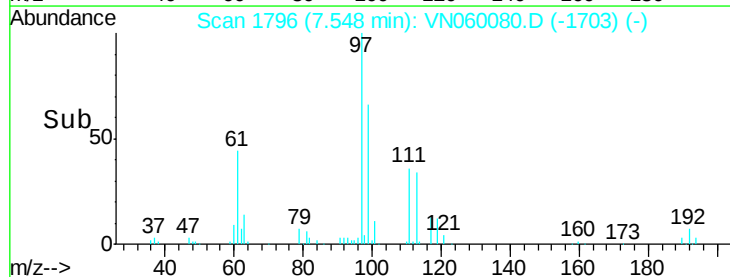
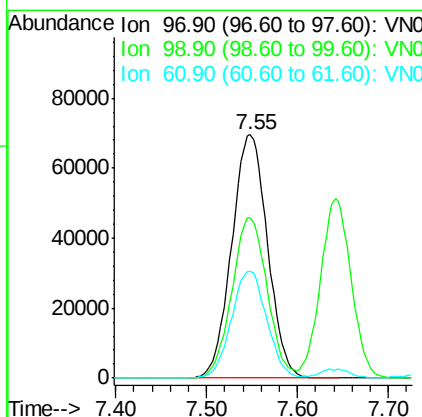
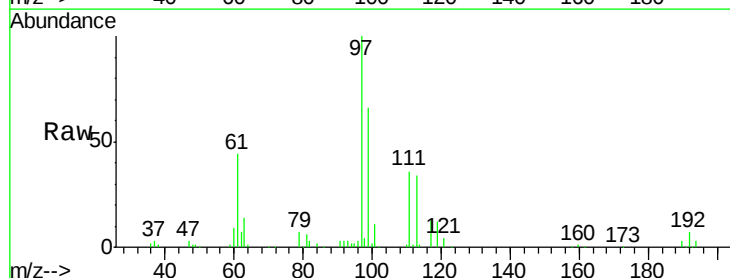
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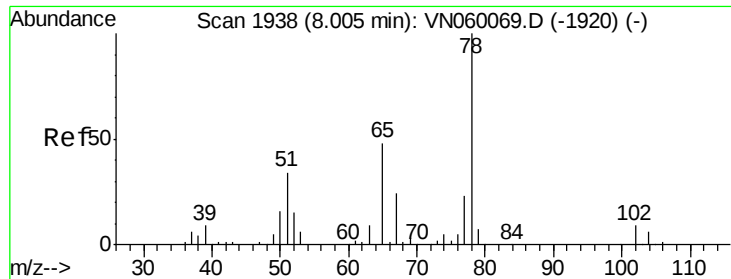
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#32
1,1,1-Trichloroethane
Concen: 47.836 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	43.4	34.9	52.3





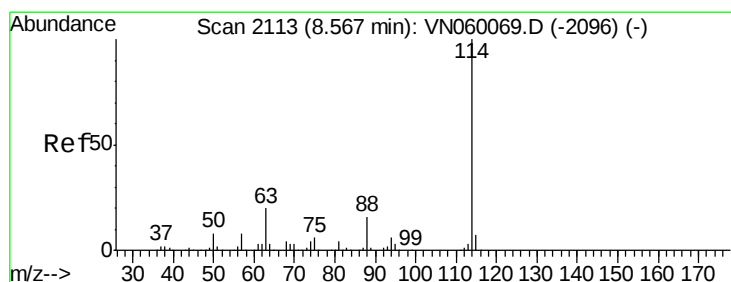
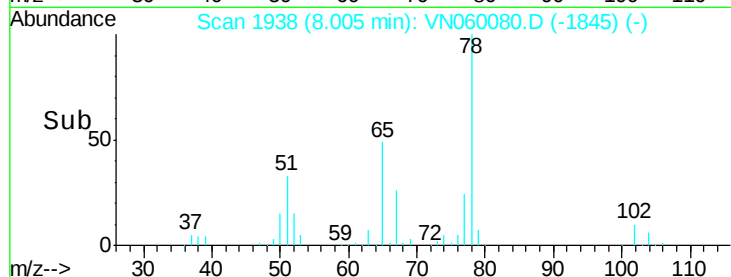
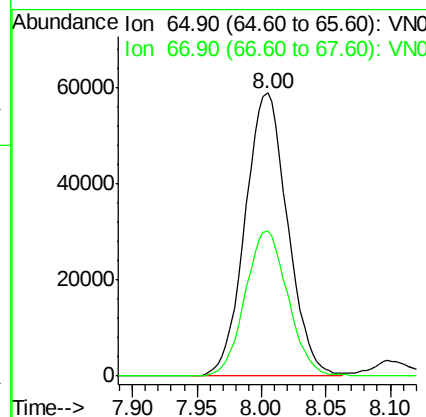
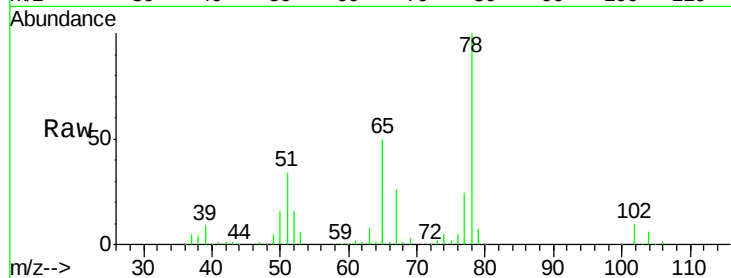
#33
 1,2-Dichloroethane-d4
 Concen: 49.469 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135221		
67	51.5	0.0	104.0	

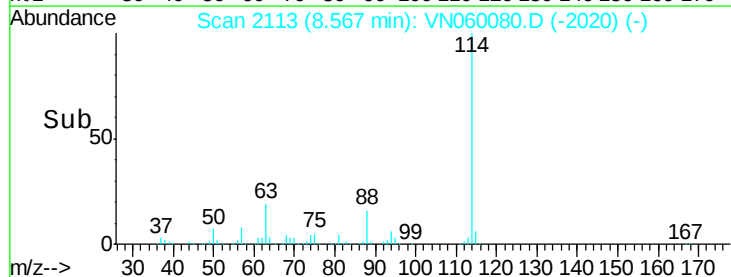
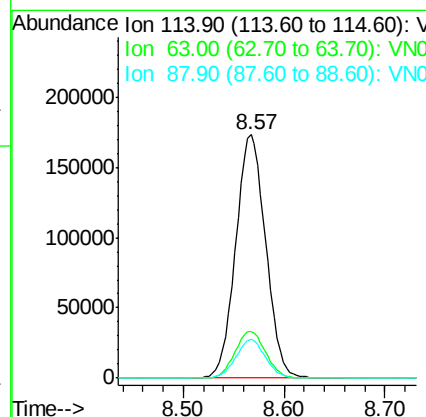
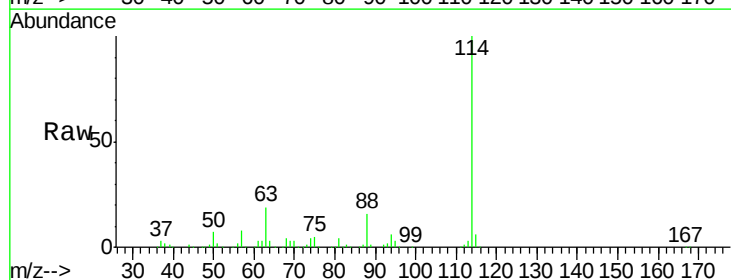
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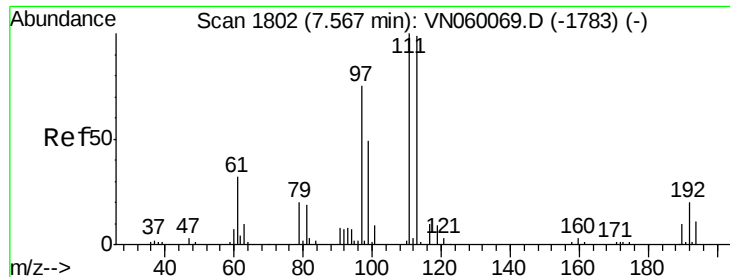
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	357879		
63	19.2	0.0	40.0	
88	15.8	0.0	31.6	





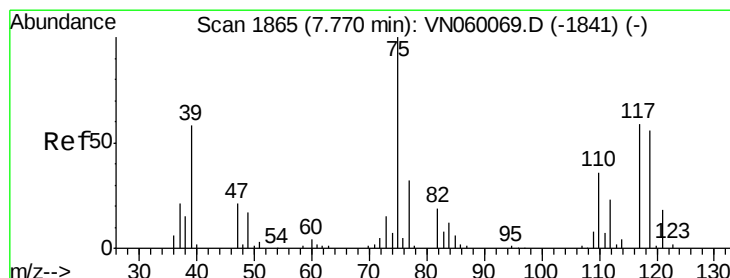
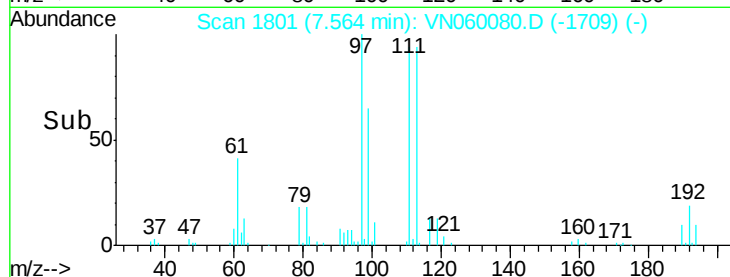
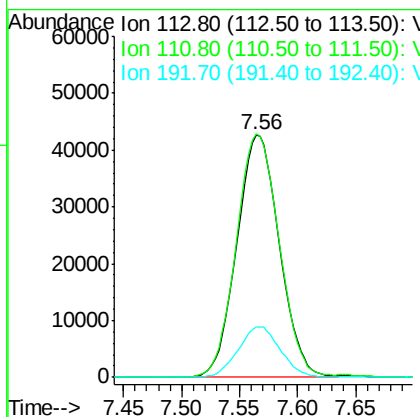
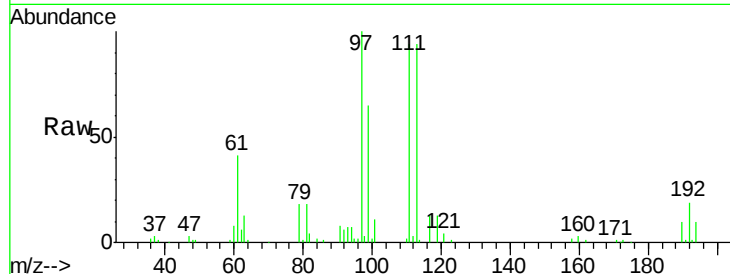
#35
Dibromofluoromethane
Concen: 49.372 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108612		
111	101.4	81.4	122.2	
192	20.6	16.2	24.2	

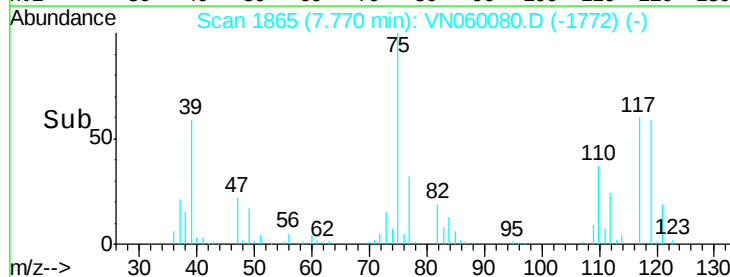
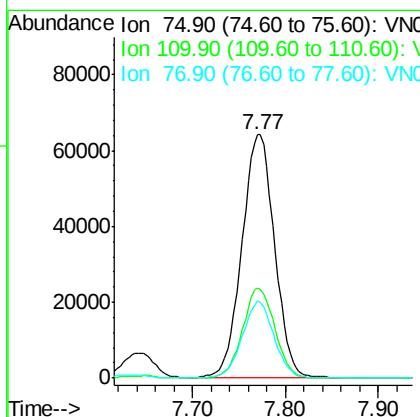
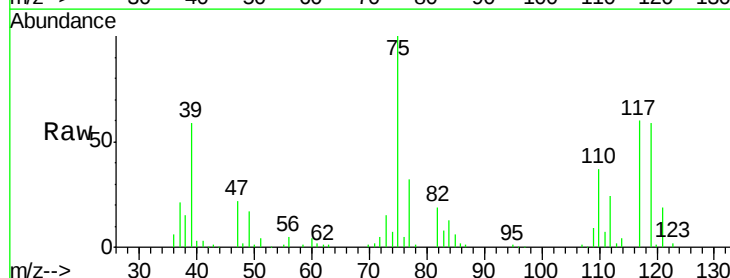
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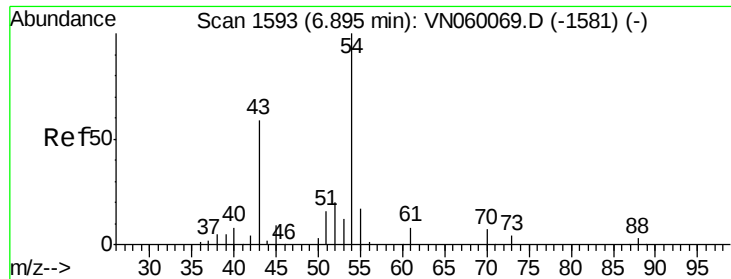
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#36
1,1-Dichloropropene
Concen: 47.450 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	157288		
110	36.2	18.1	54.3	
77	30.6	25.1	37.7	





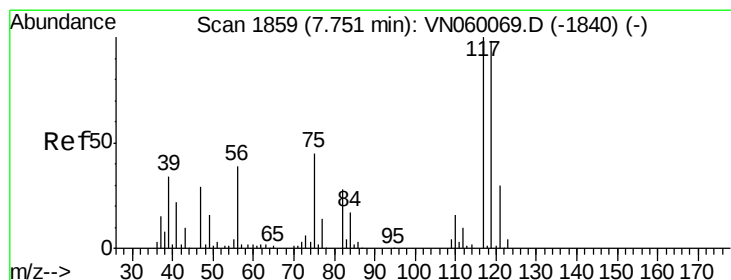
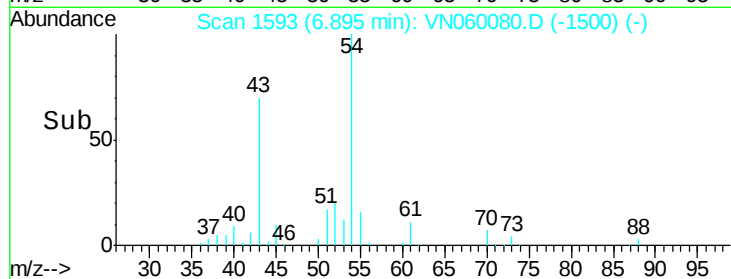
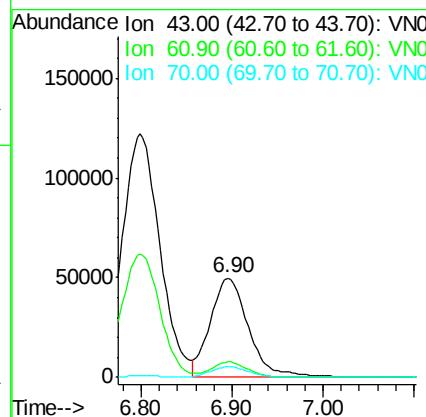
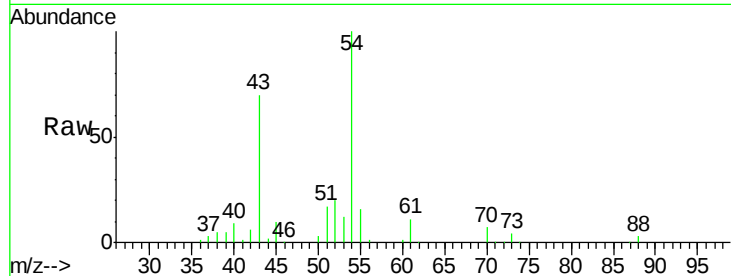
#37
Ethyl Acetate
Concen: 47.581 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.4	17.2
70	10.7	8.7	13.1

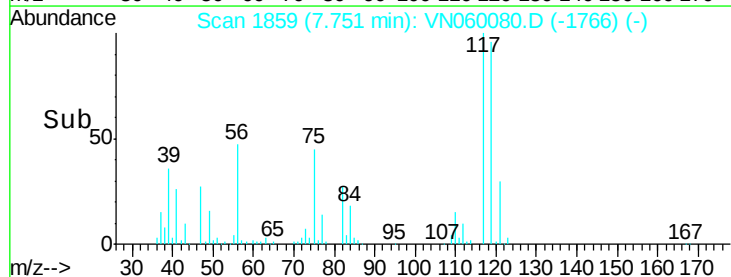
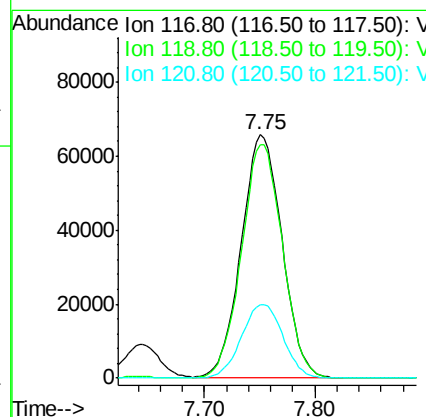
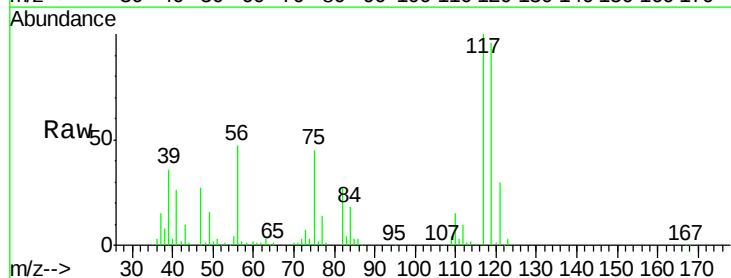
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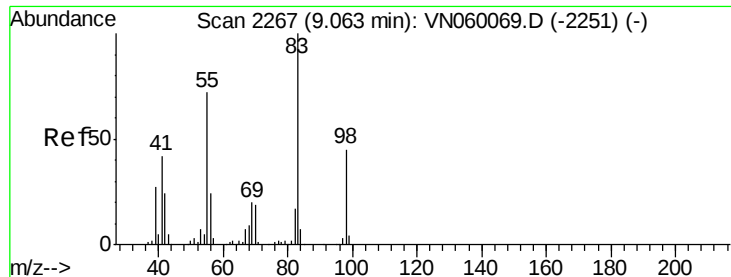
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#38
Carbon Tetrachloride
Concen: 46.968 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.2	117.4
121	30.1	24.2	36.2





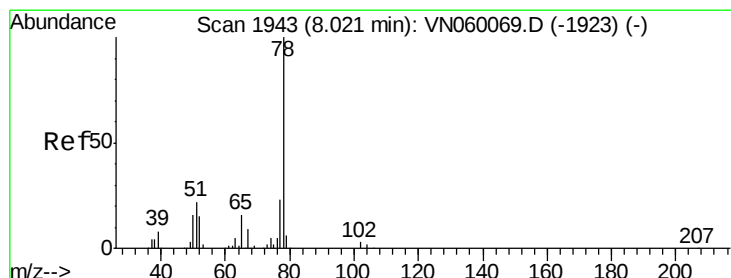
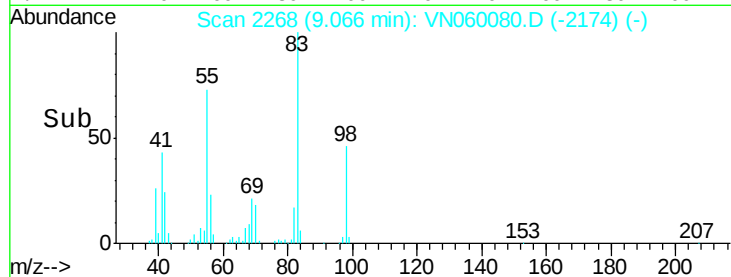
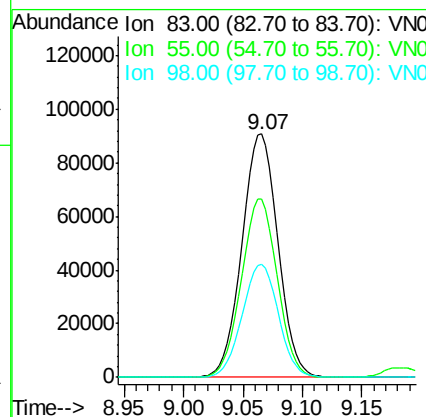
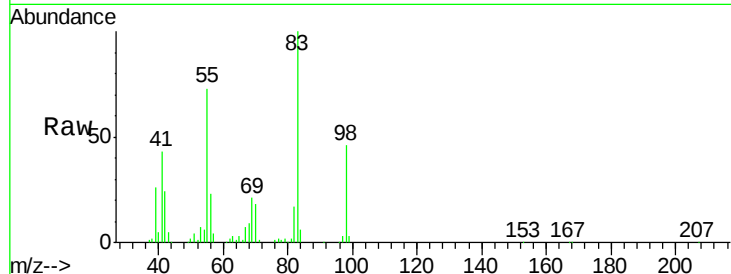
#39
Methvlcvclohexane
Concen: 46.333 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	57.8	86.8
98	46.5	36.4	54.6

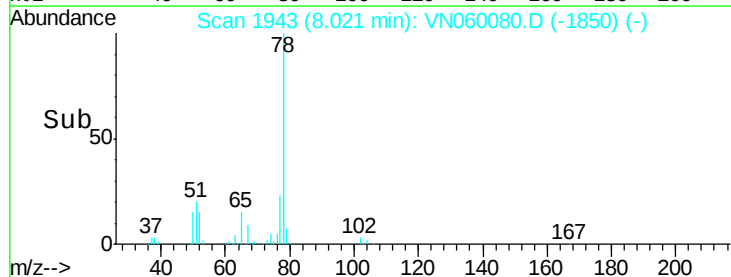
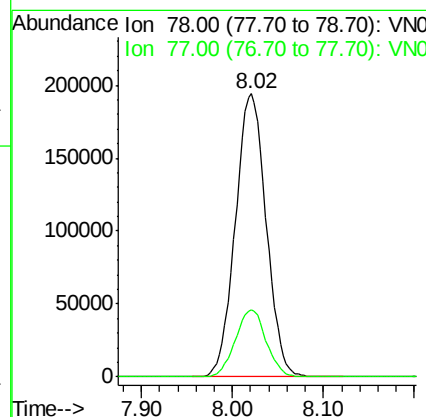
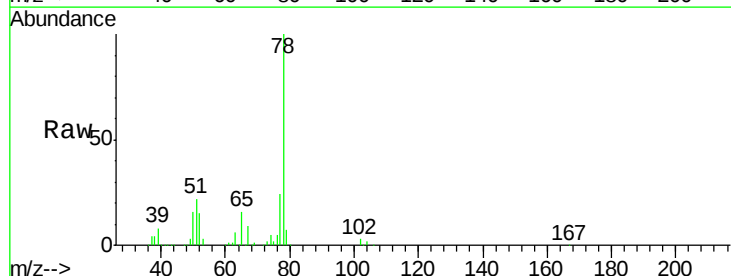
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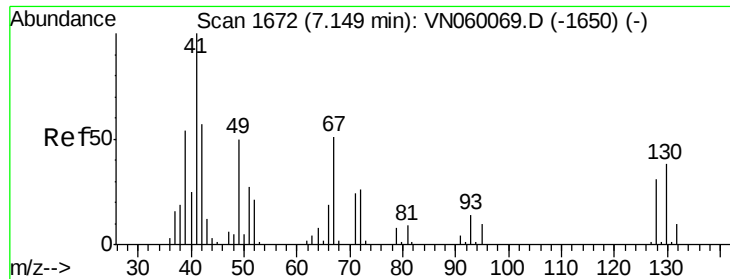
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#40
Benzene
Concen: 46.427 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





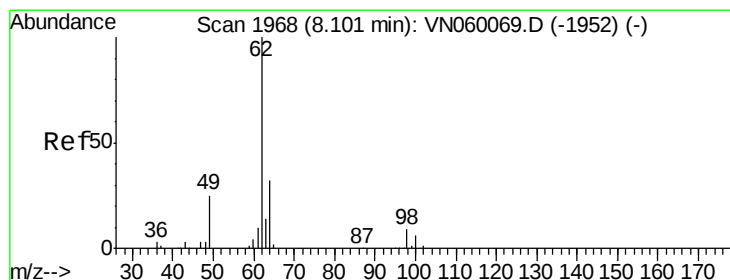
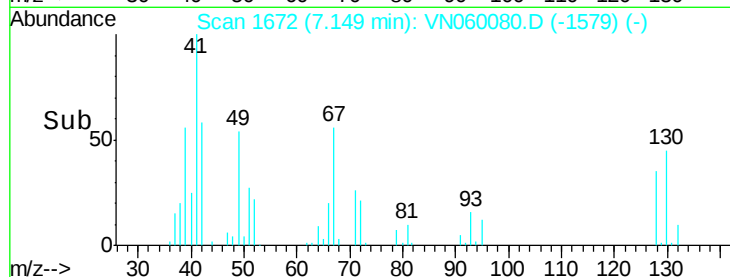
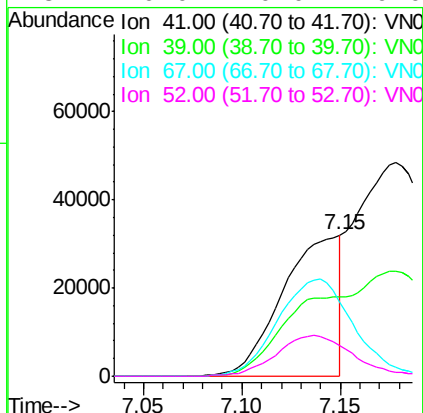
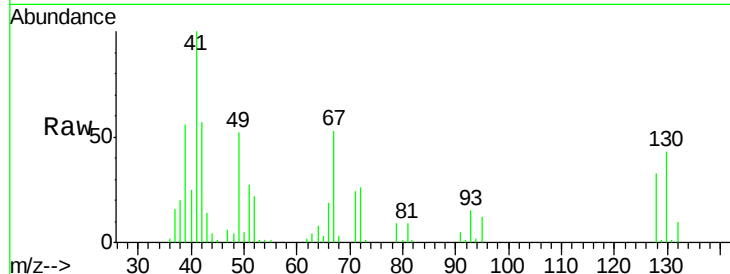
#41
Methacrylonitrile
Concen: 51.338 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	64499
Ion	Ratio	Lower	Upper
41	100		
39	169.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

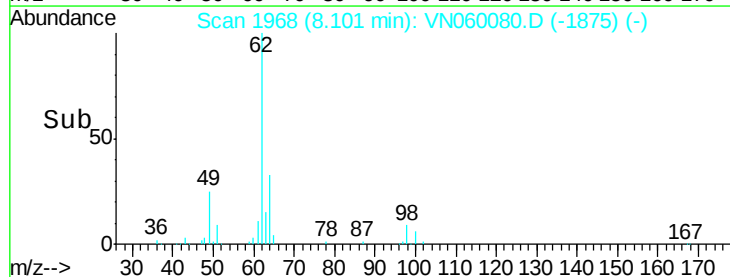
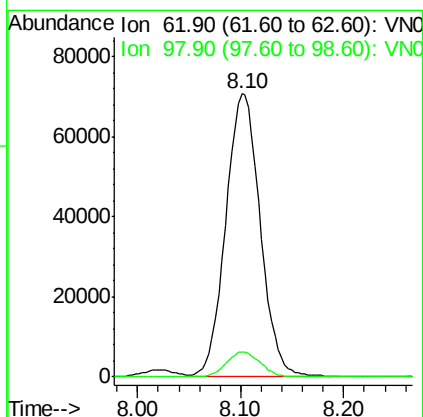
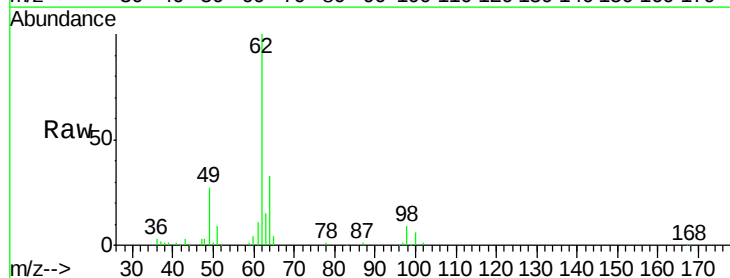
Manual Integrations
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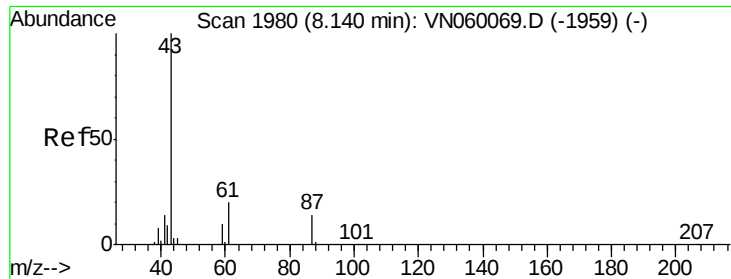
MMDadoda
2/13/2020 10:38:20 AM



#42
1,2-Dichloroethane
Concen: 47.853 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	62	Resp	164917
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





#43

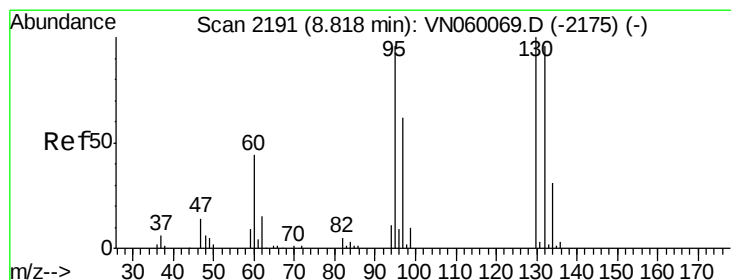
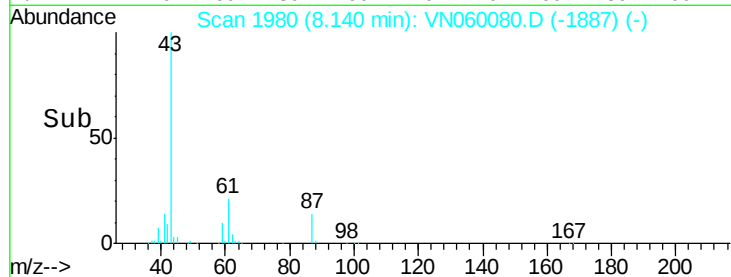
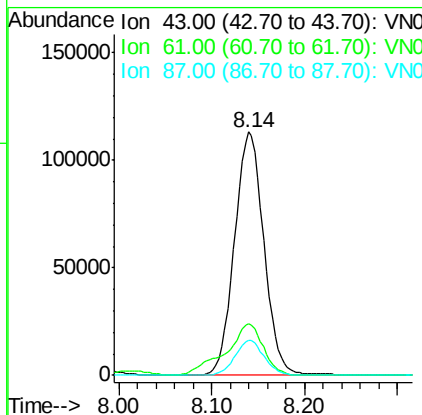
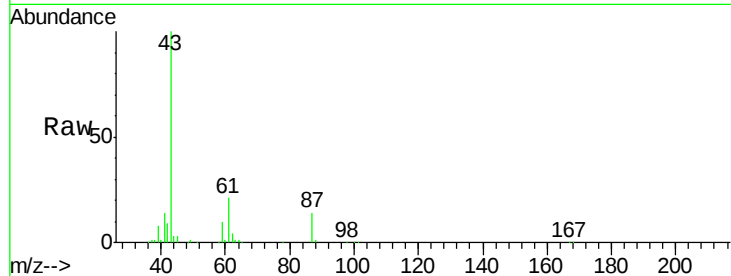
Isopropyl Acetate
 Concen: 48.688 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.8	32.6
87	14.2	11.4	17.2

Manual Integrations
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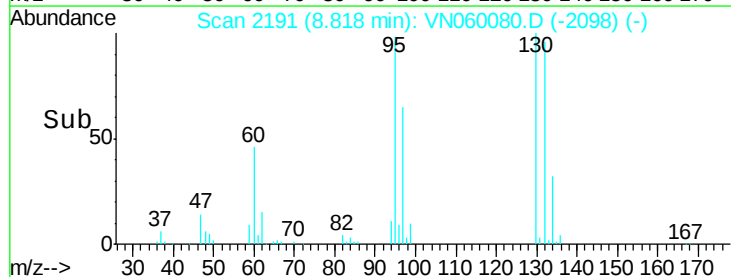
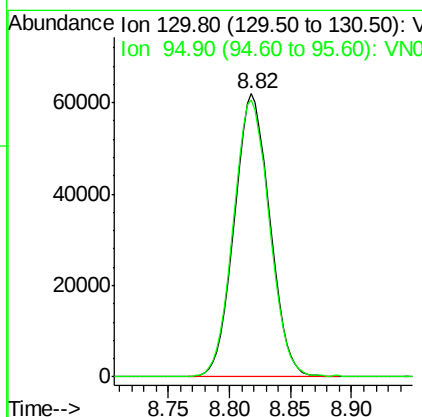
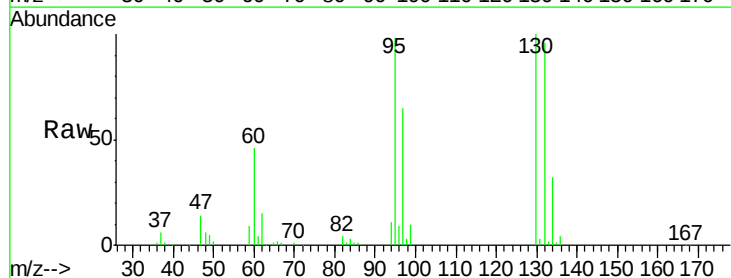
MMDadoda
 2/13/2020 10:38:20 AM

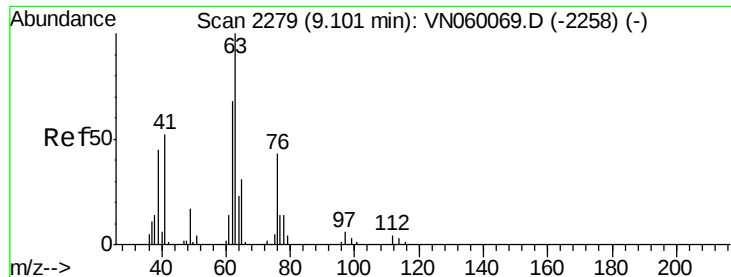


#44

Trichloroethene
 Concen: 45.957 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	192.4





#45

1,2-Dichloropropane

Concen: 48.140 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 117192

Ion Ratio Lower Upper

63 100

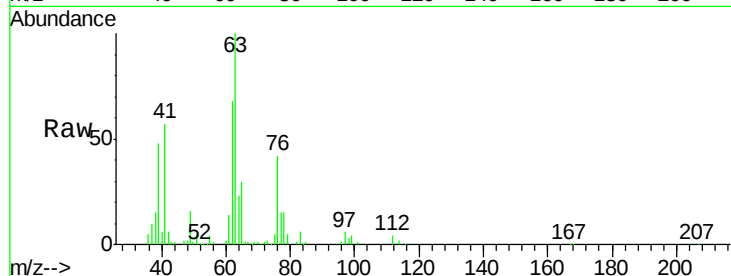
65 30.1 25.0 37.4

Manual Integrations

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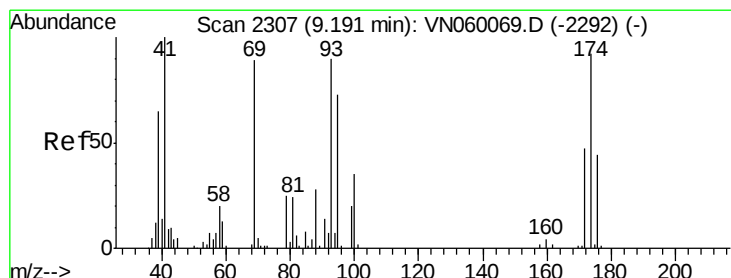
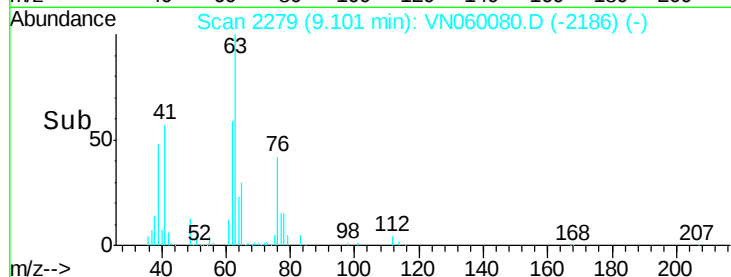
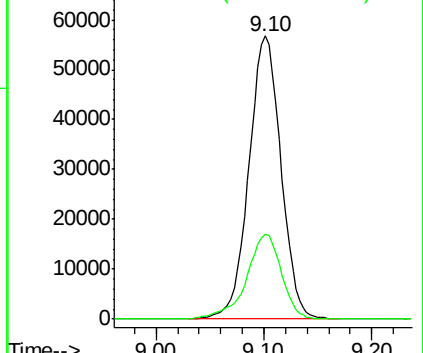
MMDadoda

2/13/2020 10:38:20 AM



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060069.D (-2258) (-)



#46

Dibromomethane

Concen: 47.149 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

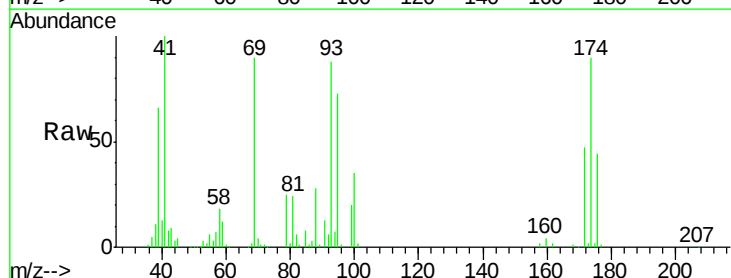
Tgt Ion: 93 Resp: 81111

Ion Ratio Lower Upper

93 100

95 83.1 65.0 97.6

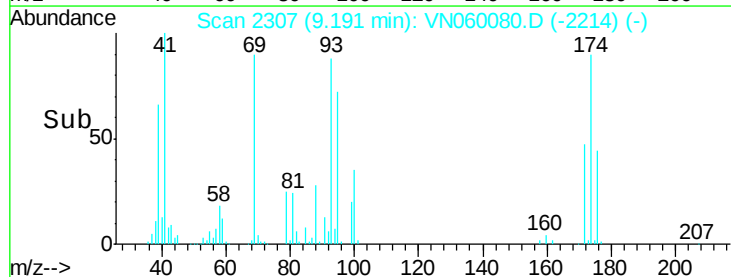
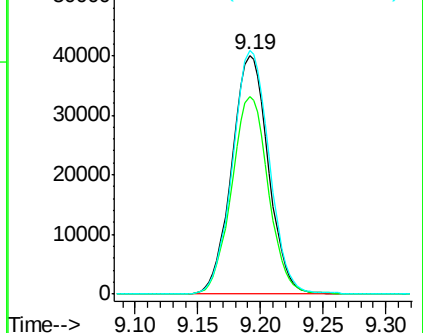
174 102.6 82.3 123.5

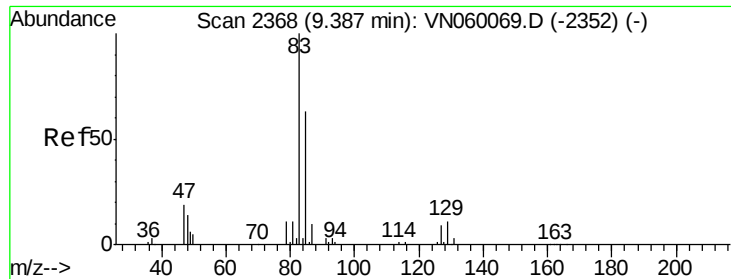


Abundance Ion 92.80 (92.50 to 93.50): VN060069.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN060069.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN060069.D (-2292) (-)





#47

Bromodichloromethane

Concen: 47.089 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

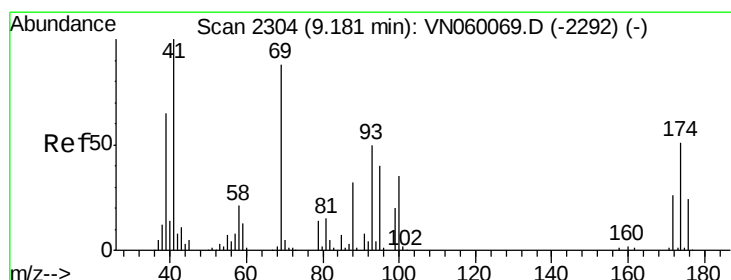
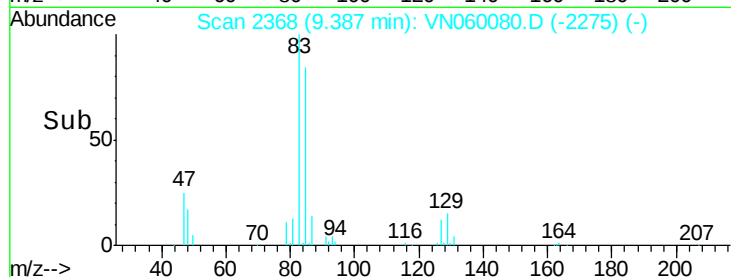
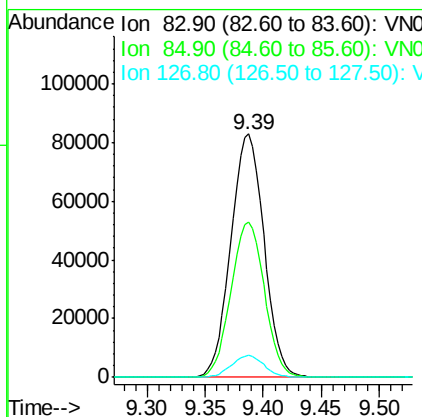
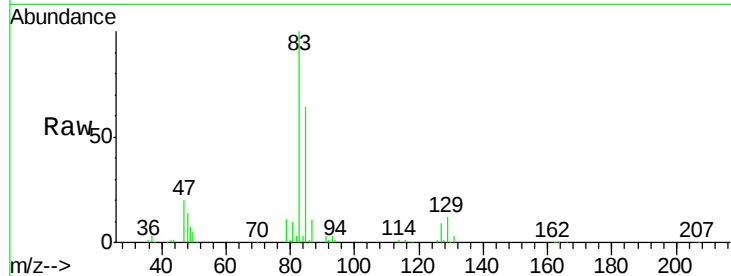
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	164697
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.6	75.8
127	8.9	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.200 ug/l

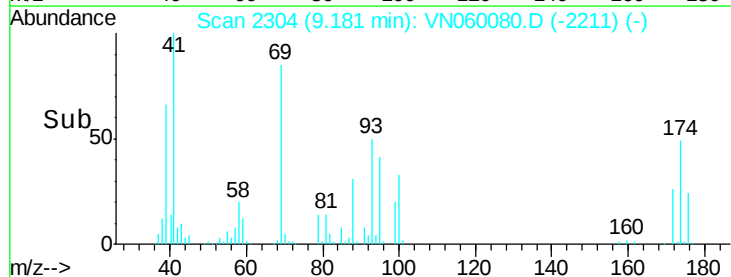
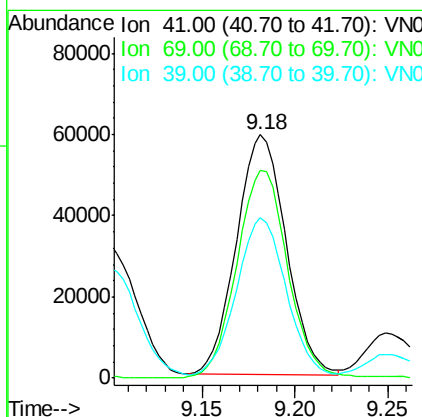
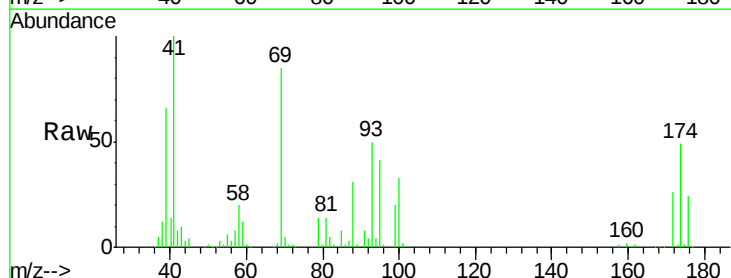
RT: 9.18 min Scan# 2304

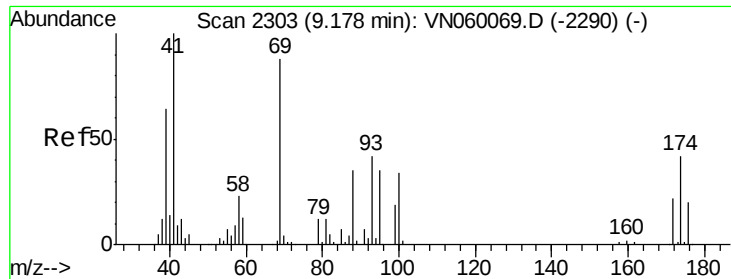
Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Tgt Ion:	41	Resp:	110749
Ion Ratio	Lower	Upper	
41	100		
69	89.2	72.0	108.0
39	64.8	54.1	81.1





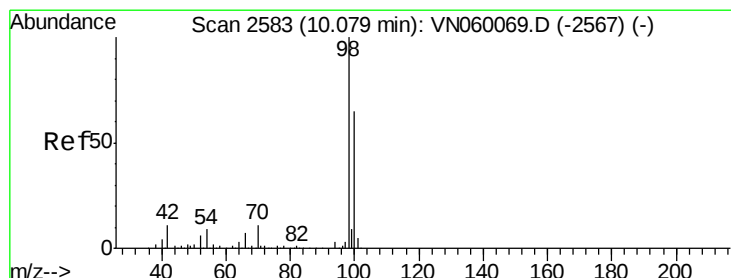
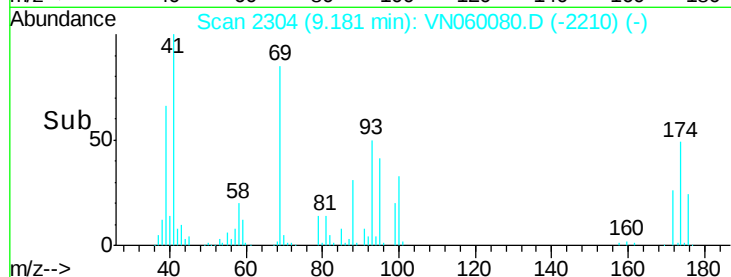
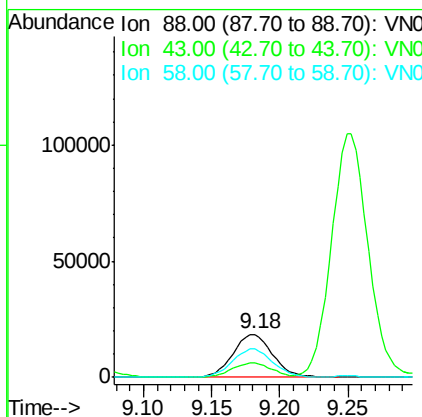
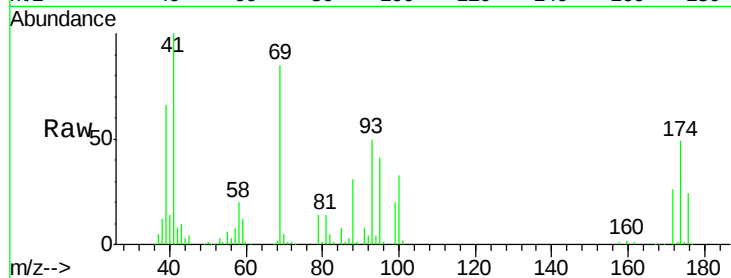
#49
1,4-Dioxane
Concen: 960.362 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.2	39.2
58	67.0	53.2	79.8

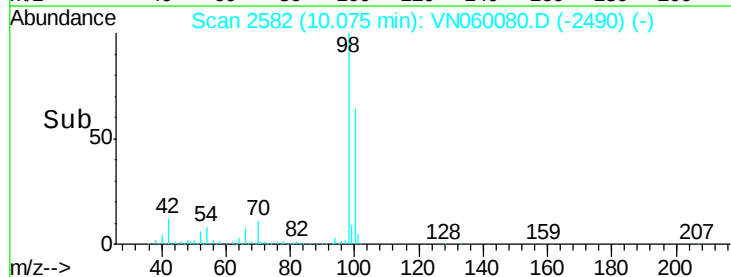
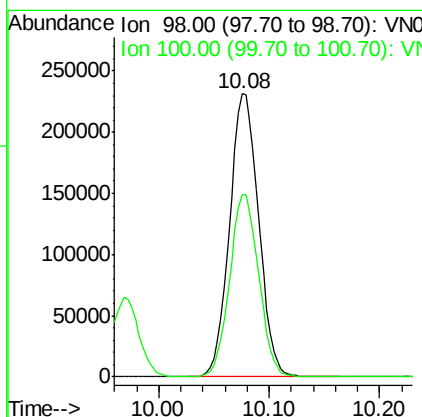
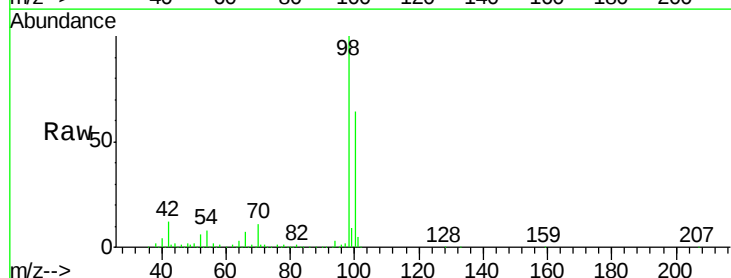
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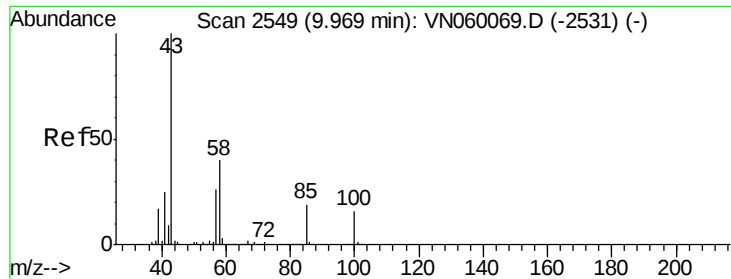
MMDadoda
2/13/2020 10:38:20 AM



#50
Toluene-d8
Concen: 48.732 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 242.721 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 719474

Ion Ratio Lower Upper

43 100

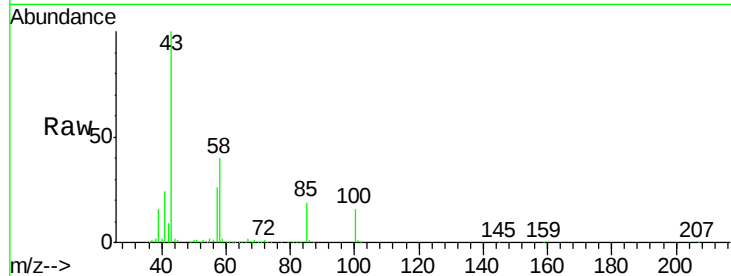
58 39.7 31.8 47.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

400000

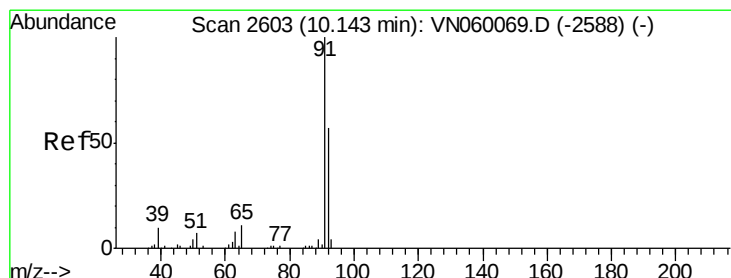
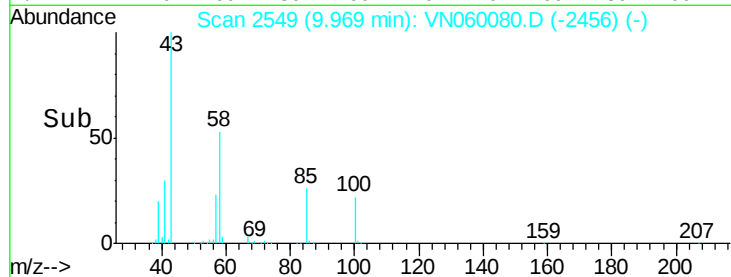
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.286 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060080.D

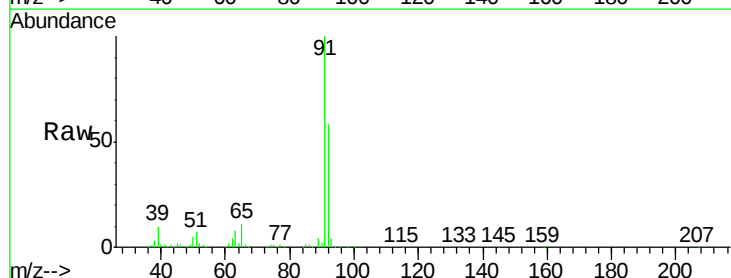
Acq: 12 Feb 2020 17:52

Tgt Ion: 92 Resp: 298161

Ion Ratio Lower Upper

92 100

91 172.7 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)

10.14

300000

250000

200000

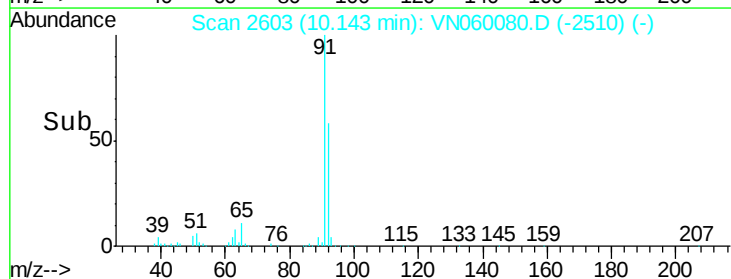
150000

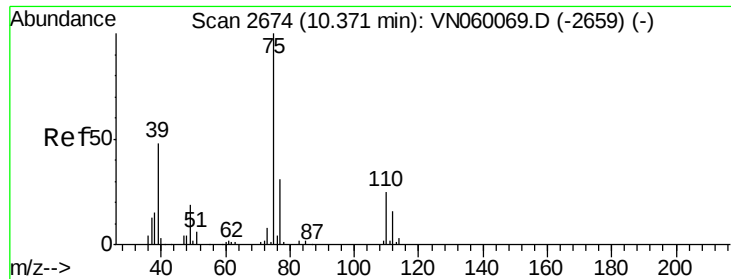
100000

50000

0

Time-->





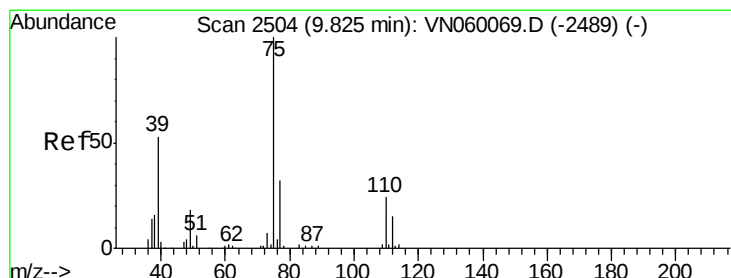
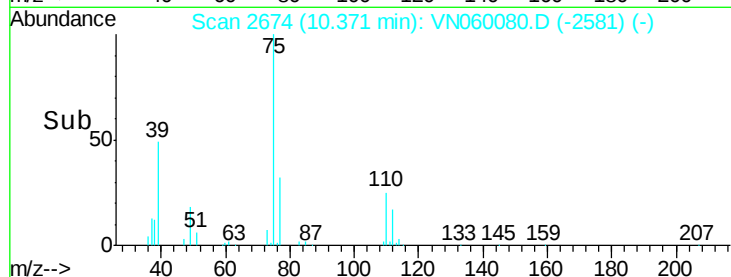
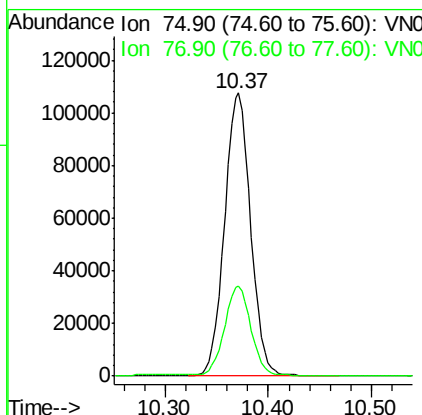
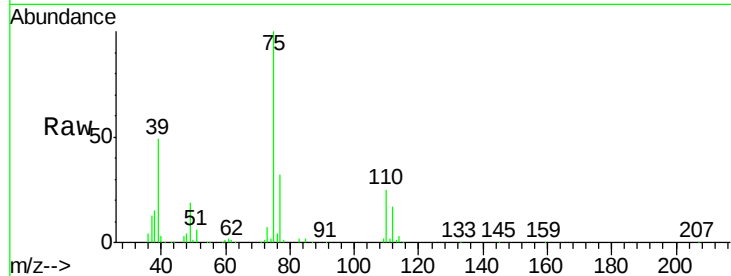
#53
t-1,3-Dichloropropene
Concen: 47.993 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 189474
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0

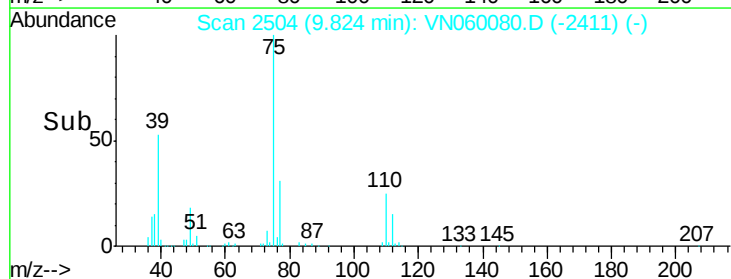
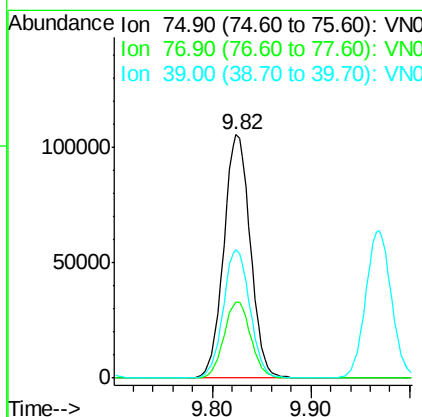
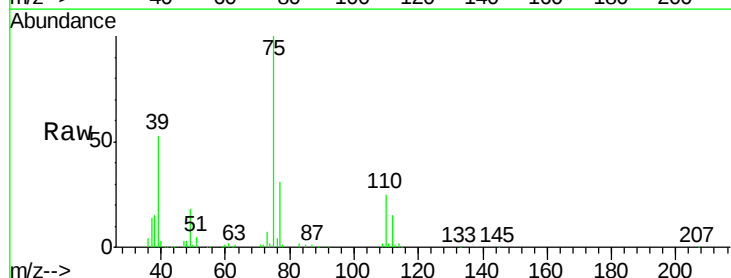
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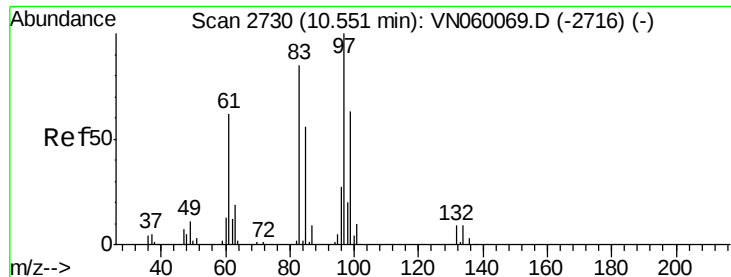
MMDadoda
2/13/2020 10:38:20 AM



#54
cis-1,3-Dichloropropene
Concen: 47.691 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 75 Resp: 198262
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4
39 52.7 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 47.227 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 116176

Ion Ratio Lower Upper

97 100

83 85.7 67.9 101.9

85 55.9 44.6 67.0

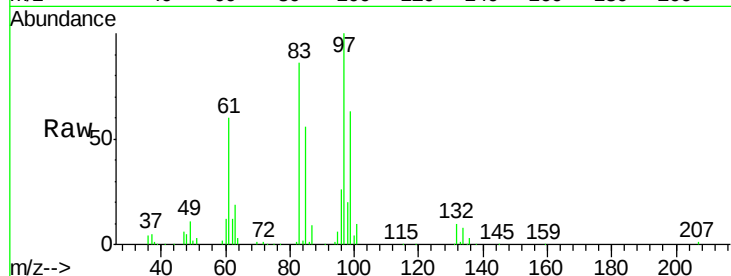
99 63.0 50.1 75.1

Manual Integrations

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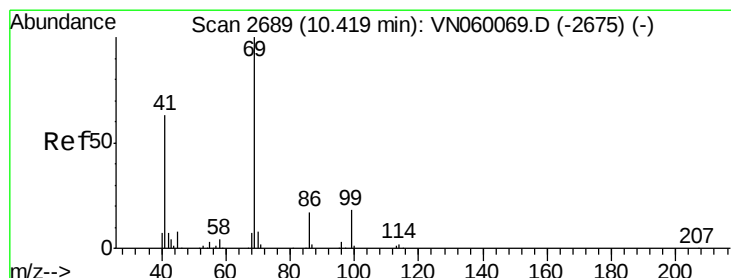
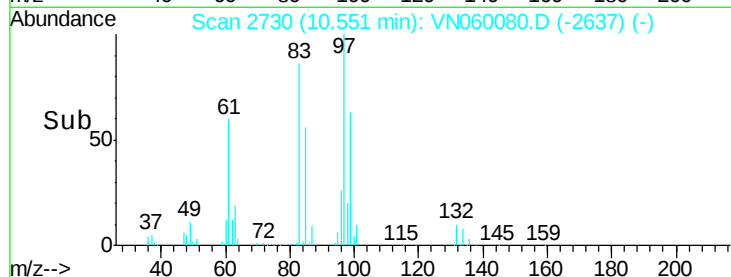
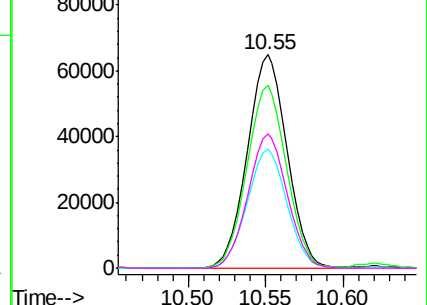


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.297 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

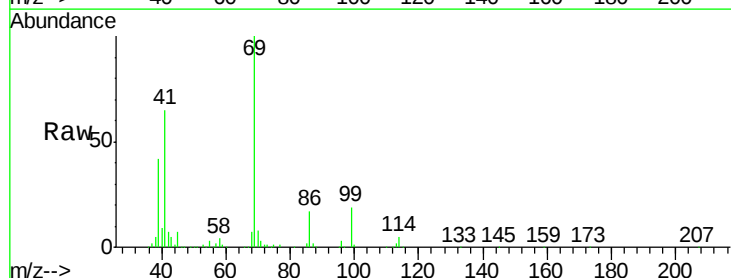
Tgt Ion: 69 Resp: 175031

Ion Ratio Lower Upper

69 100

41 63.7 51.1 76.7

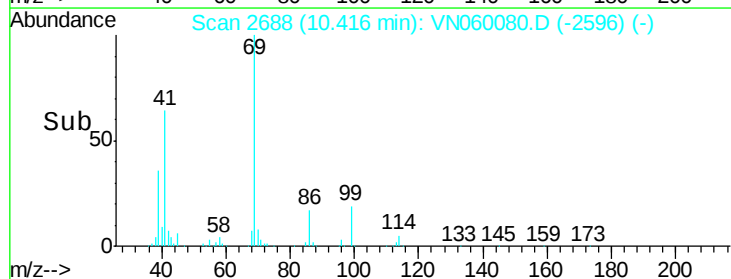
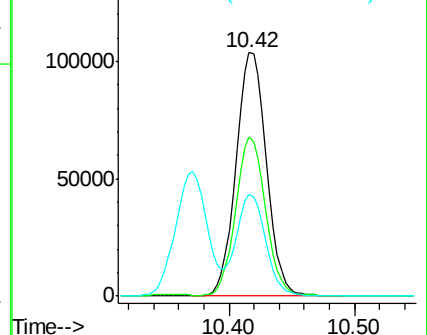
39 41.1 33.8 50.8

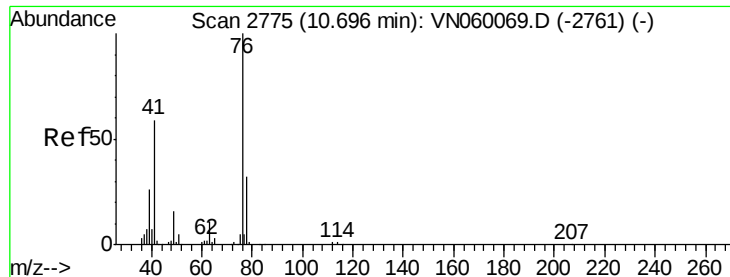


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 47.069 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 191057

Ion Ratio Lower Upper

76 100

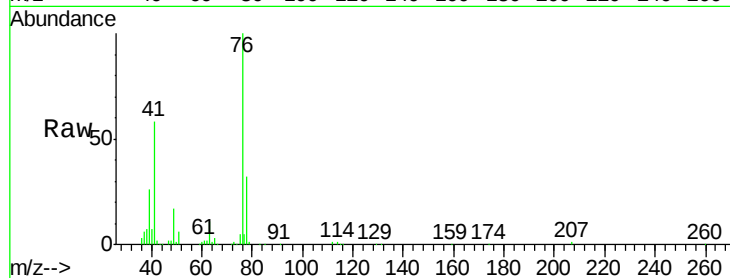
78 31.7 25.7 38.5

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2/13/2020 10:38:20 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

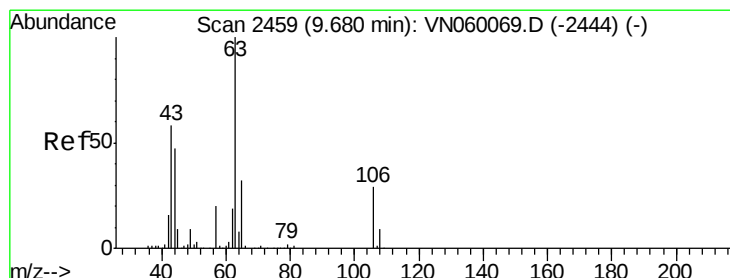
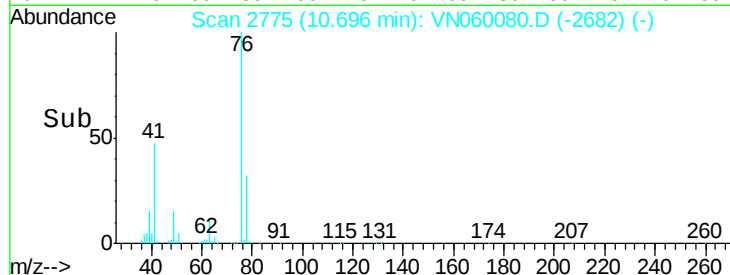
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 256.782 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060080.D

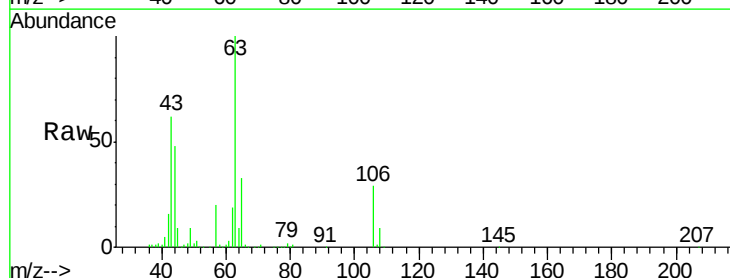
Acq: 12 Feb 2020 17:52

Tgt Ion: 63 Resp: 416292

Ion Ratio Lower Upper

63 100

106 28.8 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

250000

200000

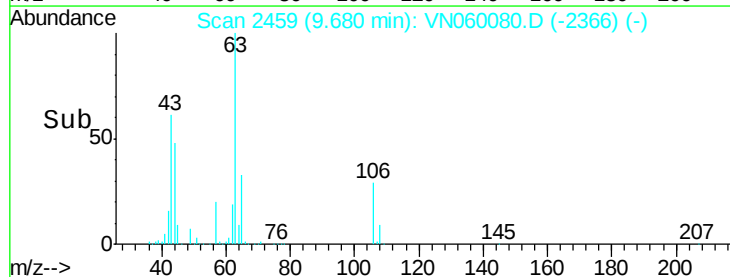
150000

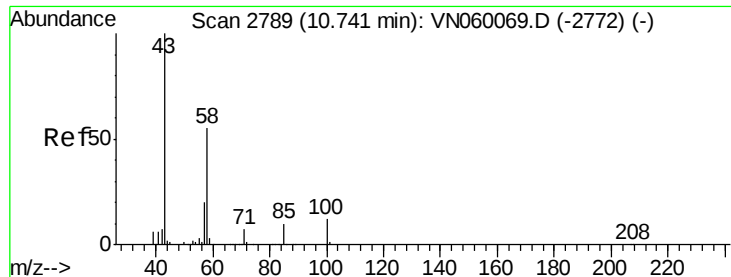
100000

50000

0

Time--> 9.60 9.70 9.80





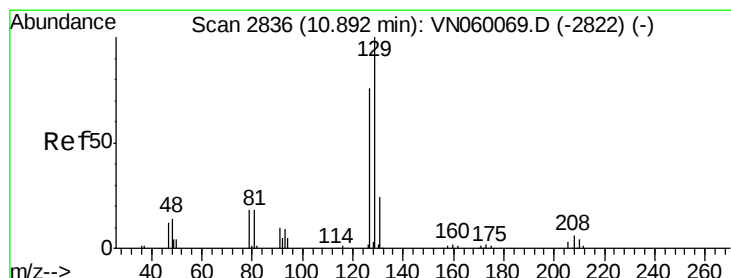
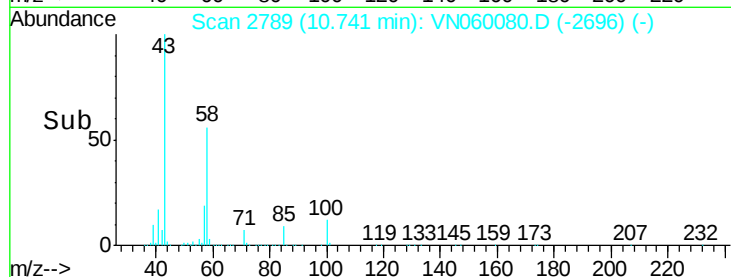
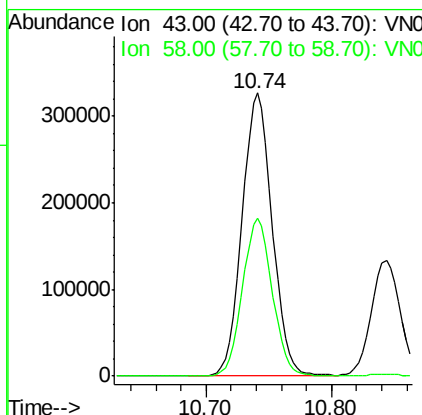
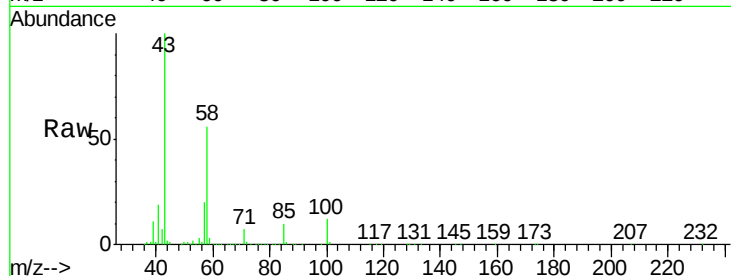
#59
2-Hexanone
Concen: 238.076 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	545139
Ion Ratio	100	Lower	Upper
43	100		
58	55.4	27.5	82.4

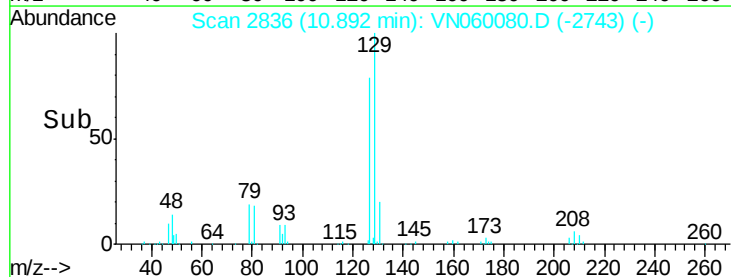
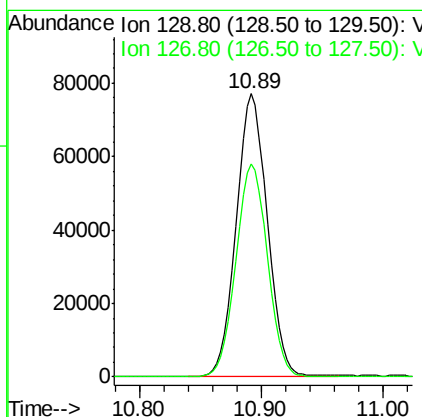
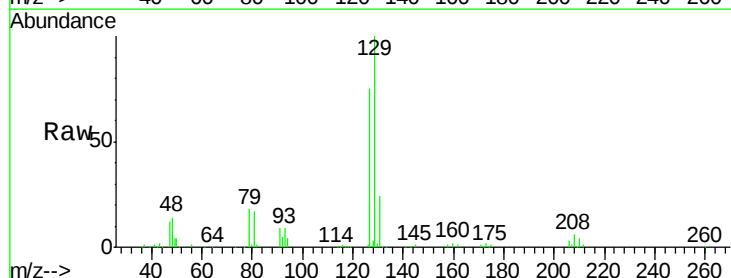
Manual Integrations
APPROVED

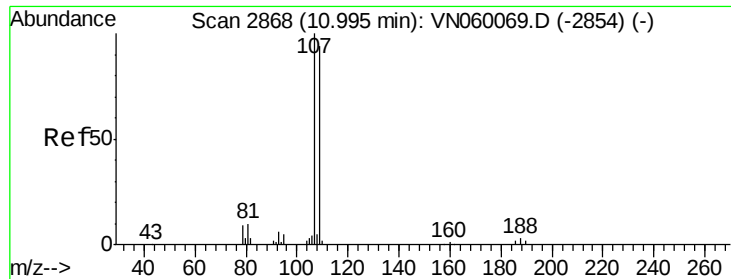
MMDadoda
2/13/2020 10:38:20 AM



#60
Dibromochloromethane
Concen: 47.718 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	129	Resp	134703
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	38.0	114.1





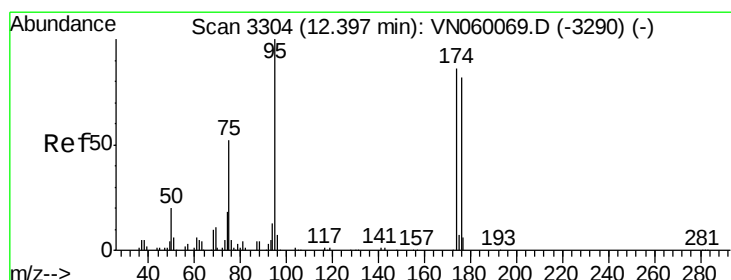
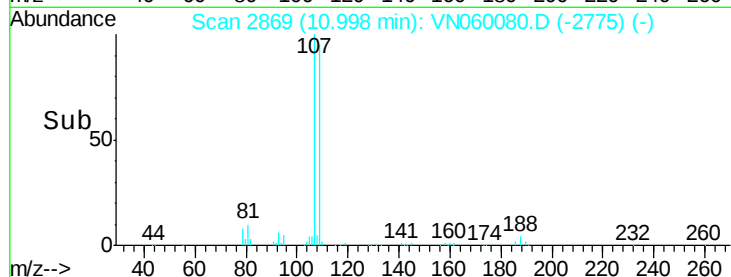
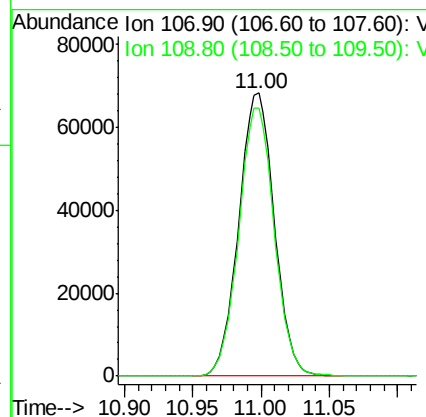
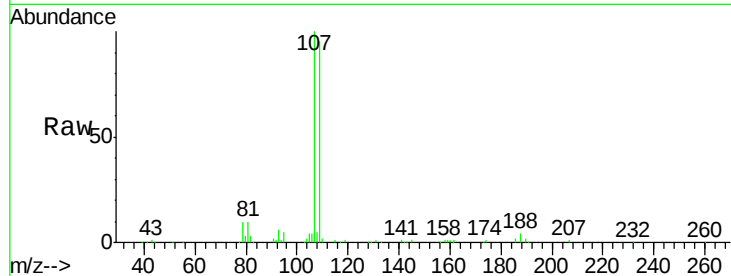
#61
 1,2-Dibromoethane
 Concen: 47.910 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0

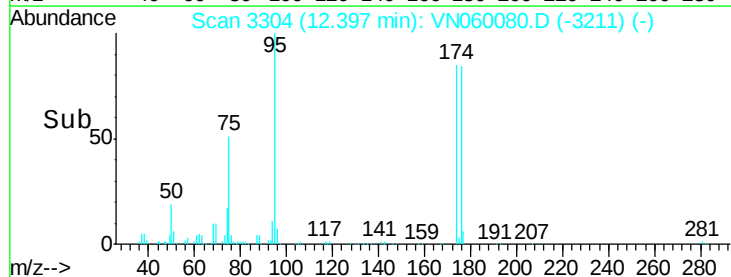
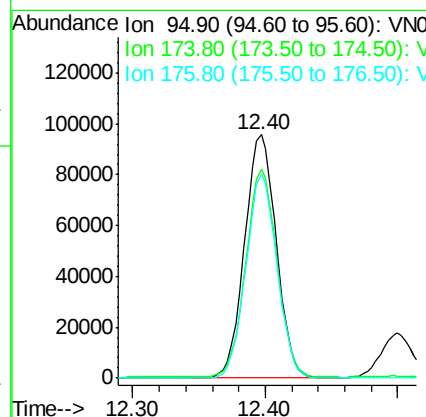
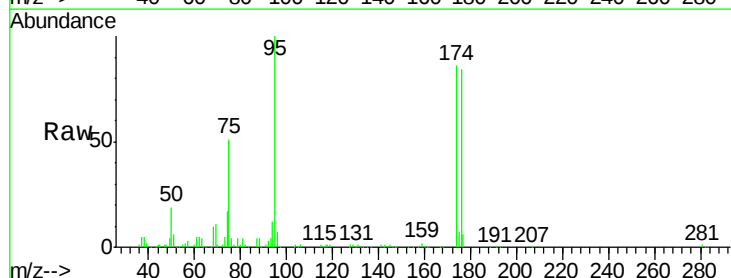
Manual Integrations
 APPROVED

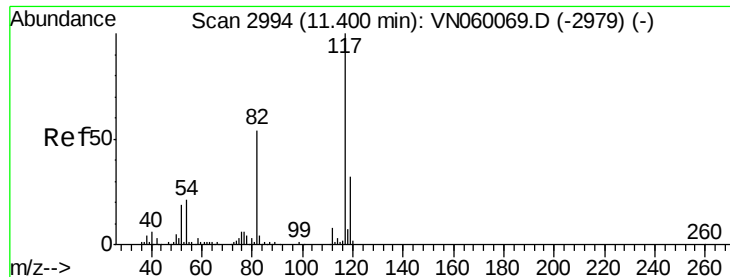
MMDadoda
 2/13/2020 10:38:20 AM



#62
 4-Bromofluorobenzene
 Concen: 49.894 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	169.8
176	82.3	0.0	164.8





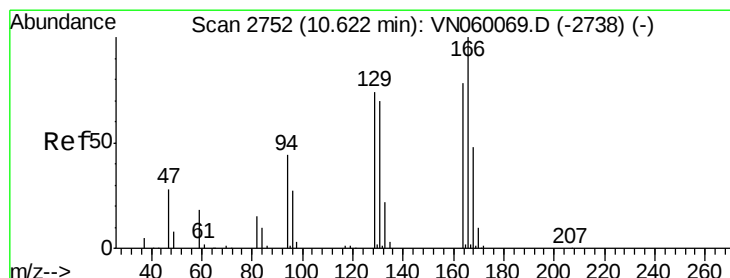
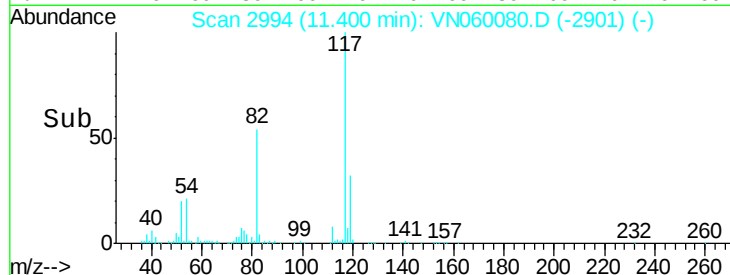
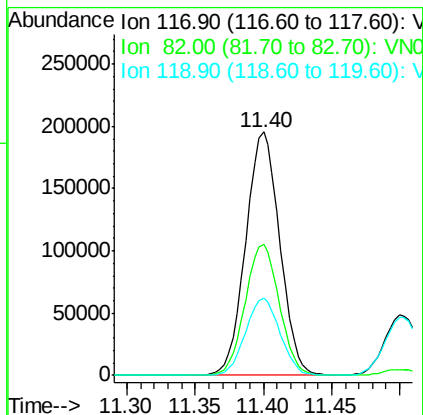
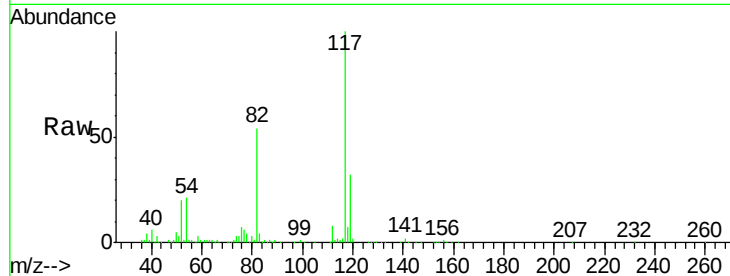
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.0
119	31.6	25.8	38.6

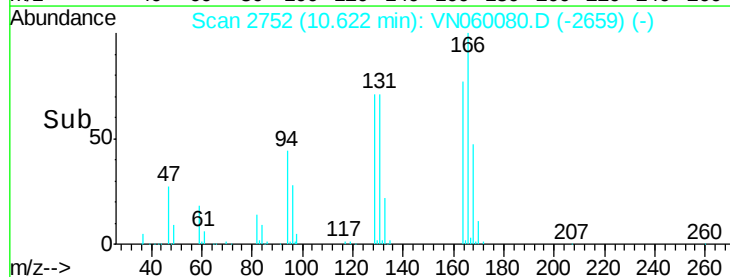
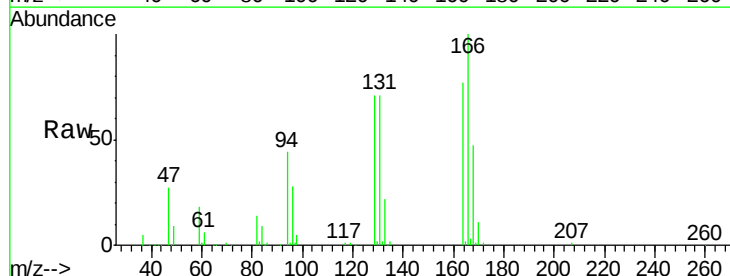
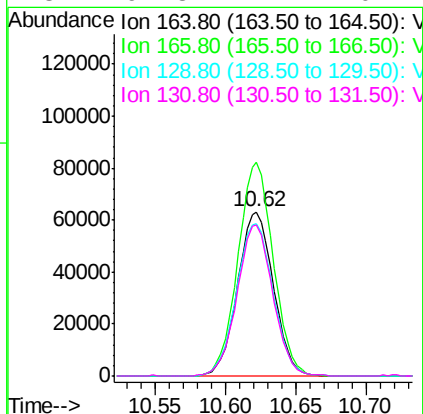
Manual Integrations
APPROVED

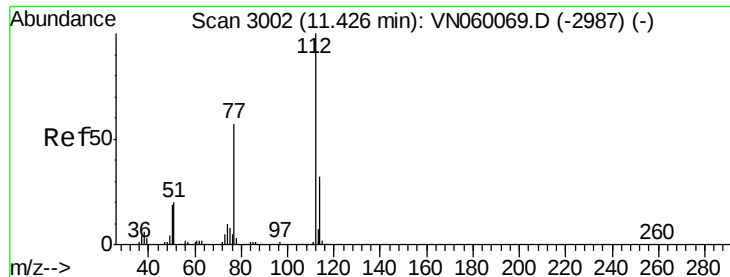
MMDadoda
2/13/2020 10:38:20 AM



#64
Tetrachloroethene
Concen: 43.772 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.9	152.9
129	93.1	75.4	113.0
131	91.8	71.4	107.2





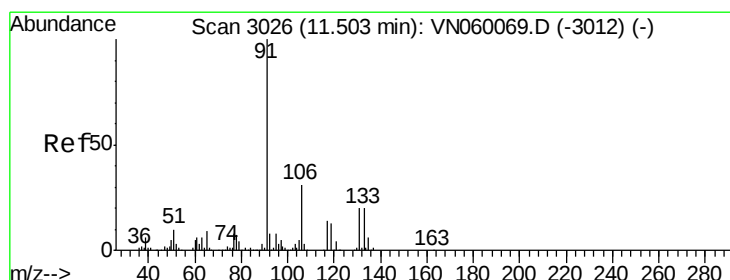
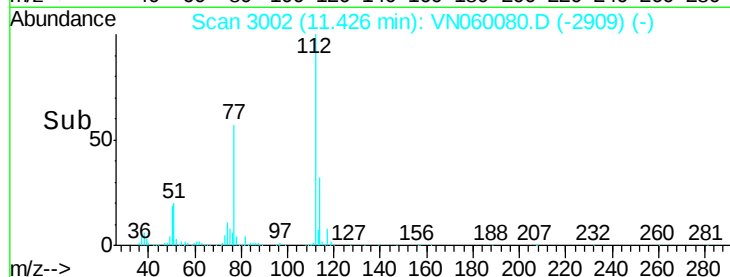
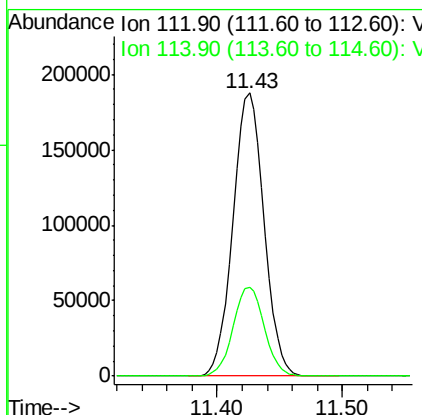
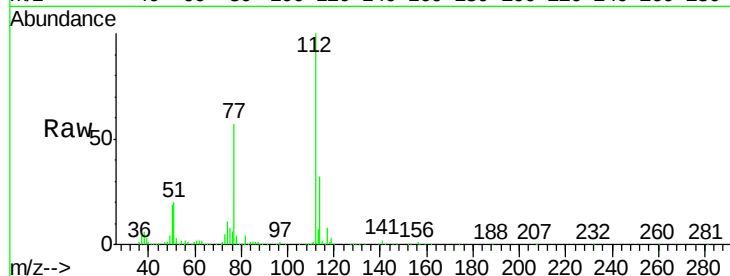
#65
Chlorobenzene
Concen: 46.892 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 322827
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0

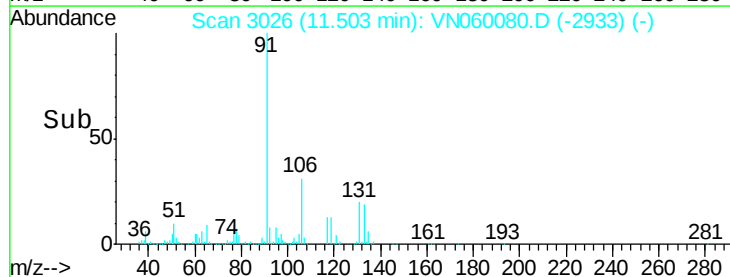
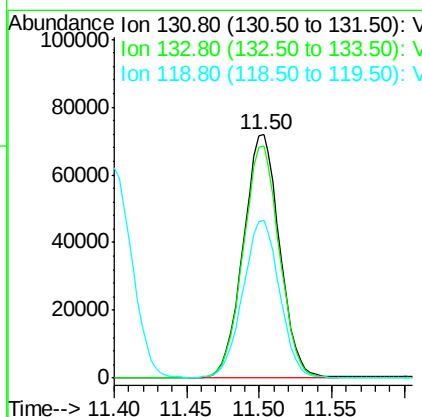
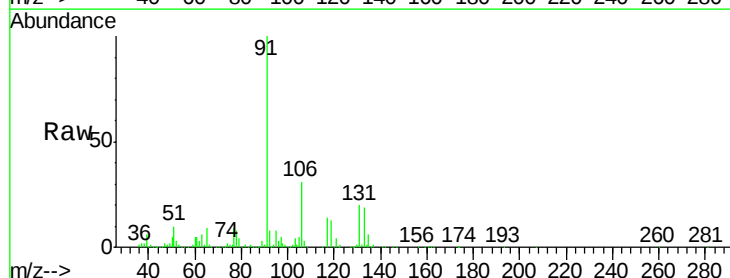
Manual Integrations
APPROVED

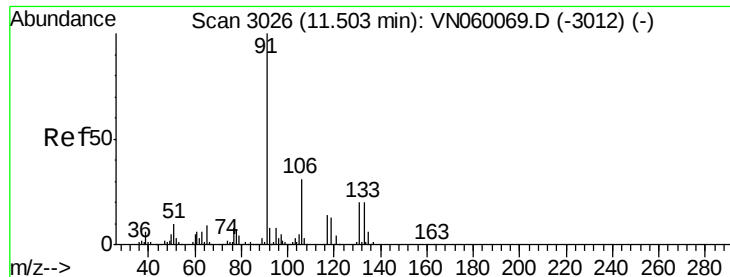
MMDadoda
2/13/2020 10:38:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.804 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion:131 Resp: 124501
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.7
119 65.5 32.6 97.7





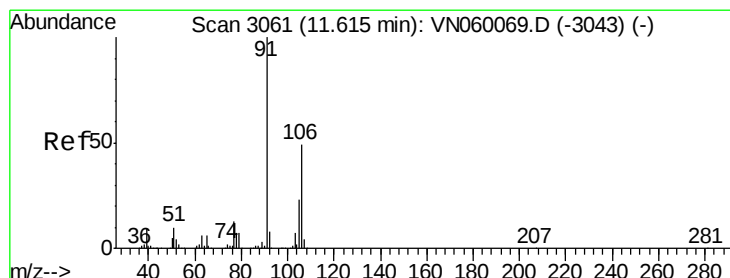
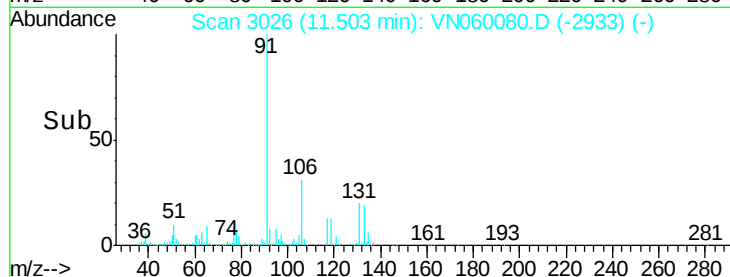
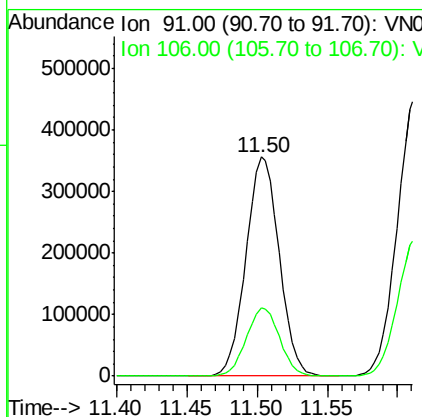
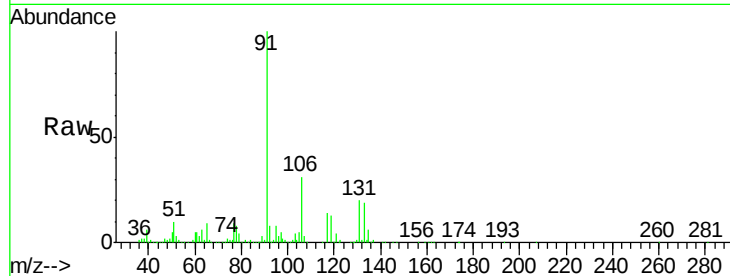
#67
Ethyl Benzene
Concen: 47.327 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 587653
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7

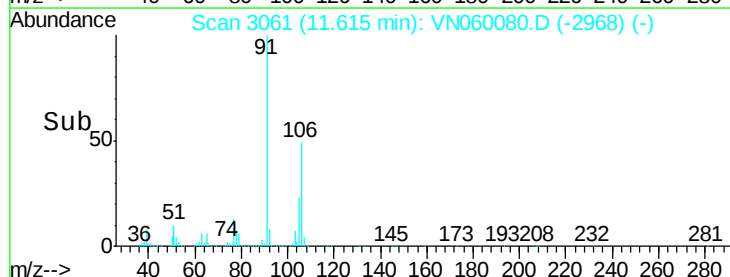
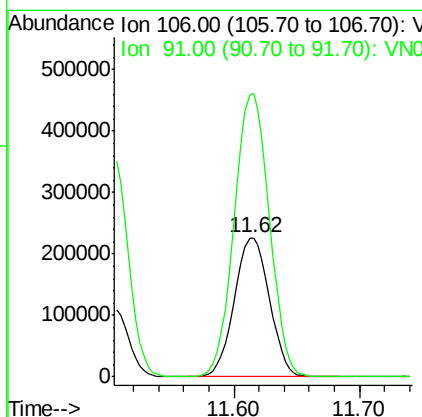
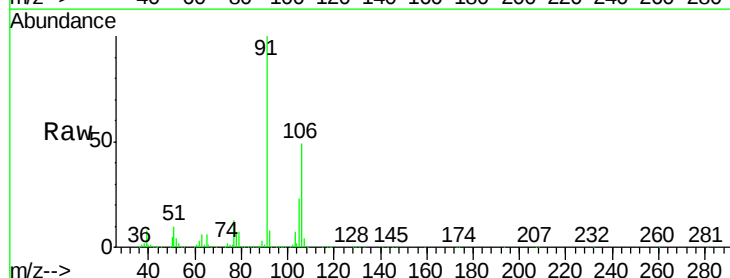
Manual Integrations
APPROVED

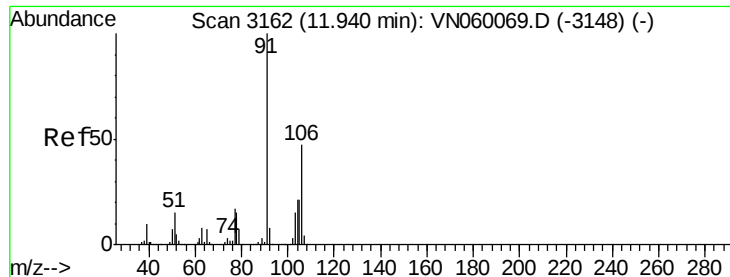
MMDadoda
2/13/2020 10:38:20 AM



#68
m/p-Xylenes
Concen: 94.517 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 106 Resp: 440470
Ion Ratio Lower Upper
106 100
91 203.7 162.7 244.1





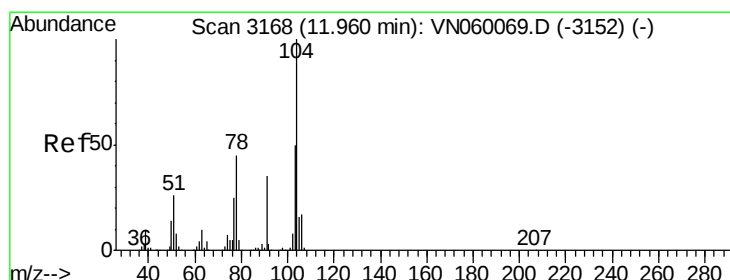
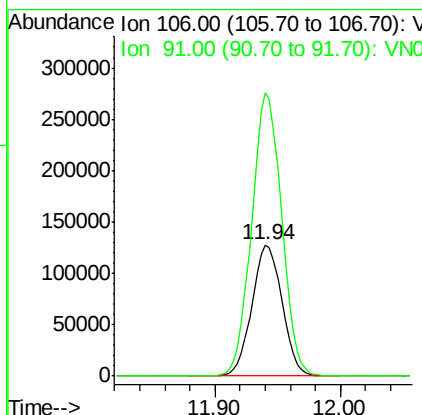
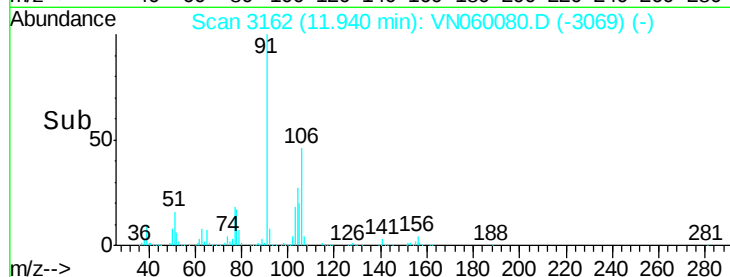
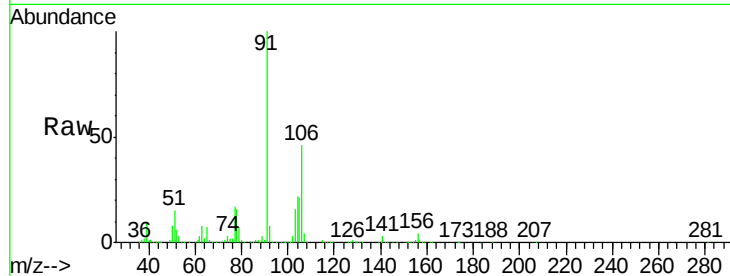
#69
o-Xylene
Concen: 47.740 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	213.0	107.2	321.6

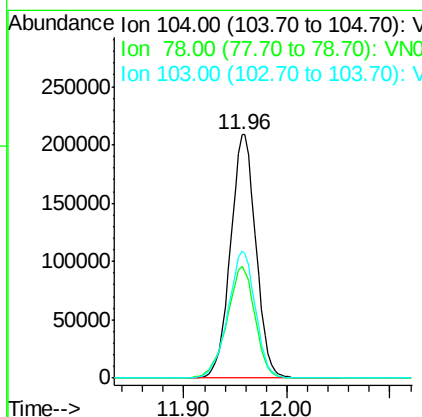
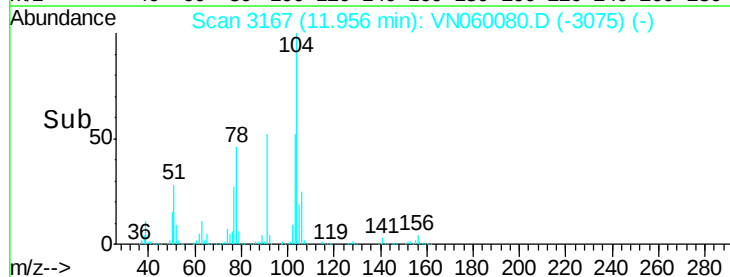
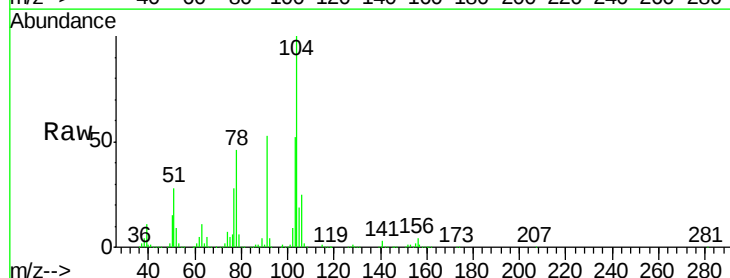
Manual Integrations
APPROVED

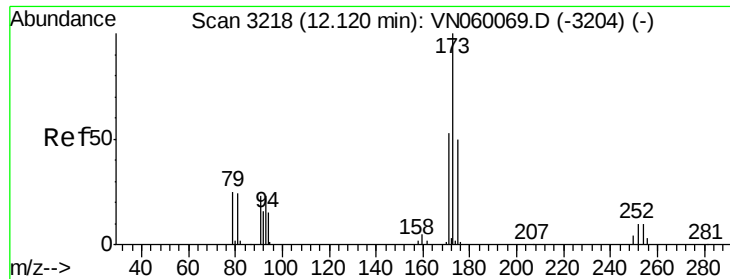
MMDadoda
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#70
Styrene
Concen: 49.311 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.2	40.2	60.2
103	103	55.9	44.3	66.5





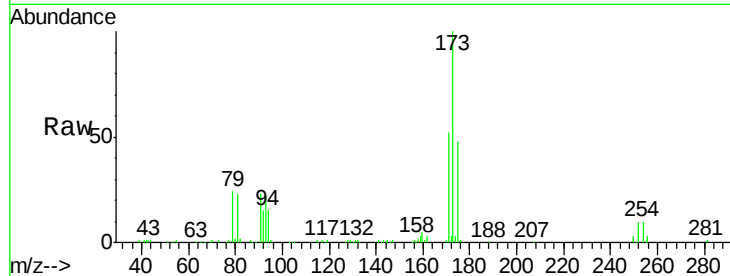
#71
Bromoform
Concen: 49.009 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.1	0.0	0.0#

Manual Integrations
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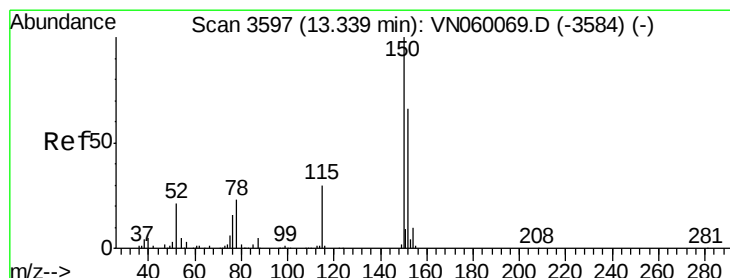
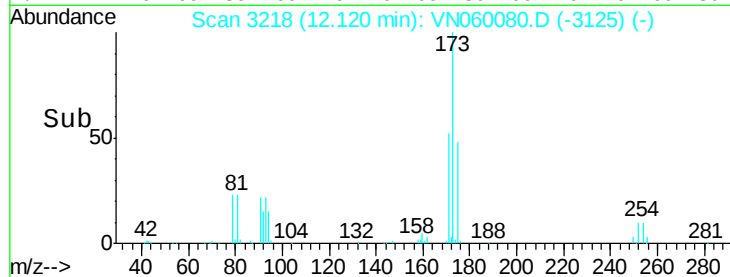
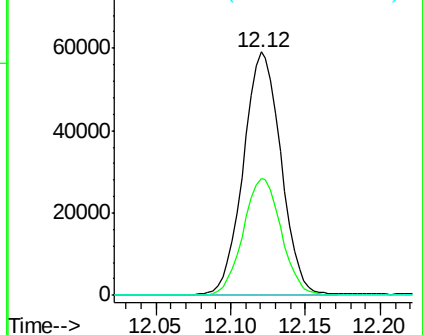


Abundance

Ion 172.70 (172.40 to 173.40): V

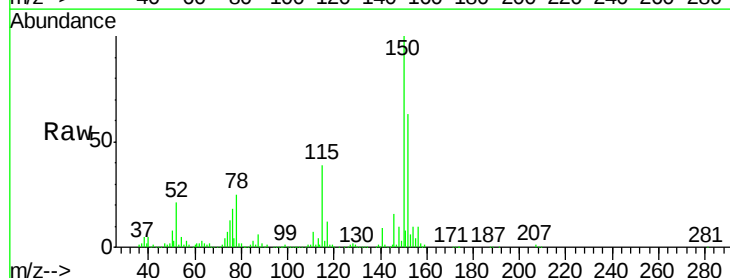
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	28.9	86.8
150	165.1	0.0	342.4

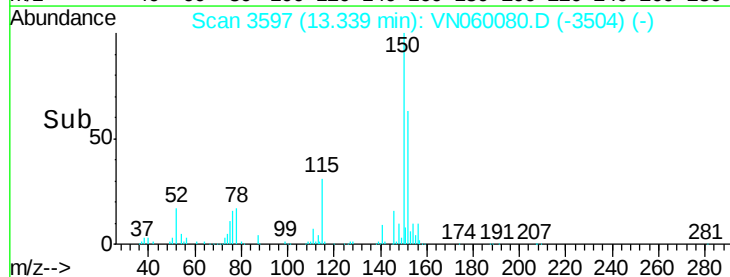
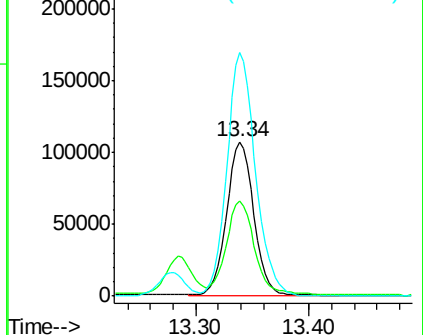


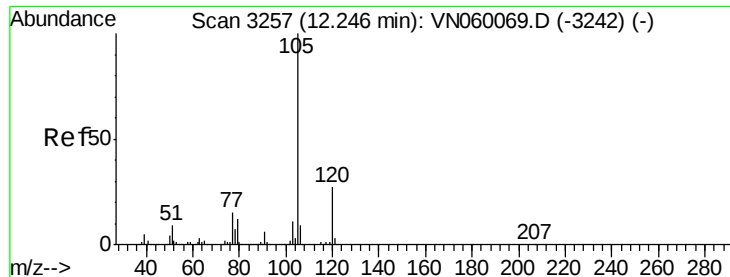
Abundance

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: 43.613 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 585148

Ion Ratio Lower Upper

105 100

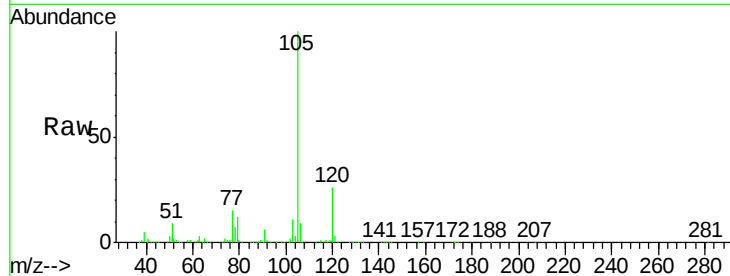
120 26.4 13.3 39.8

Manual Integrations

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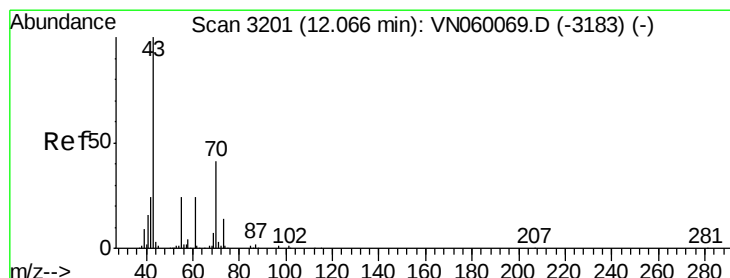
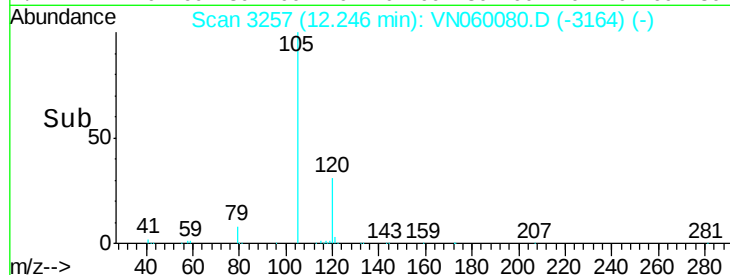
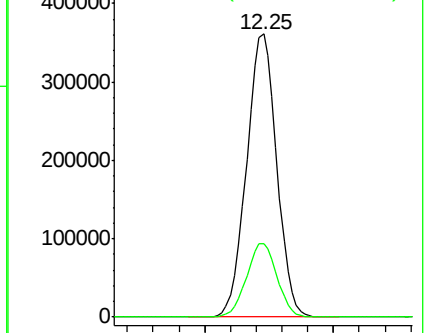
MMDadoda

2/13/2020 10:38:20 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.057 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Tgt Ion: 43 Resp: 227666

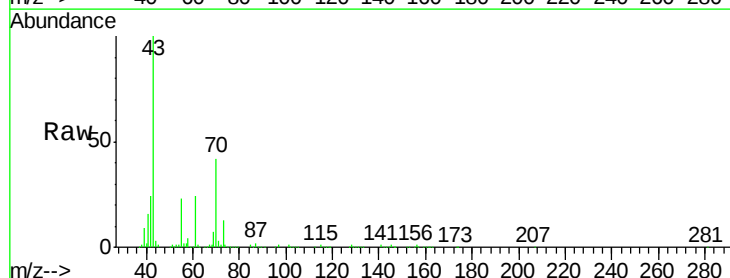
Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.0

55 23.4 18.8 28.2

61 24.0 19.2 28.8

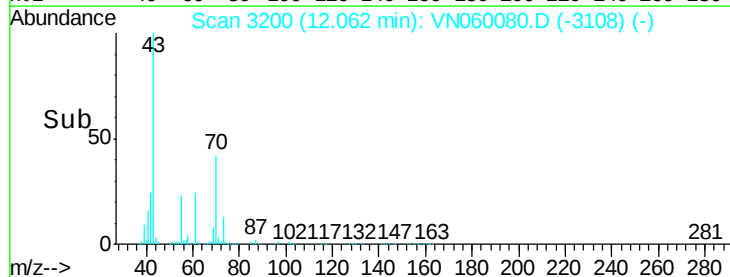
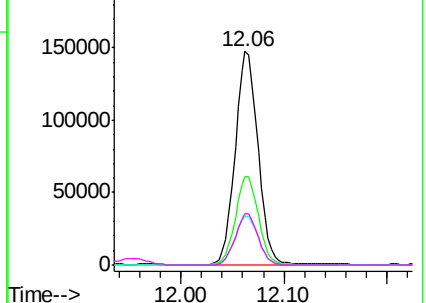


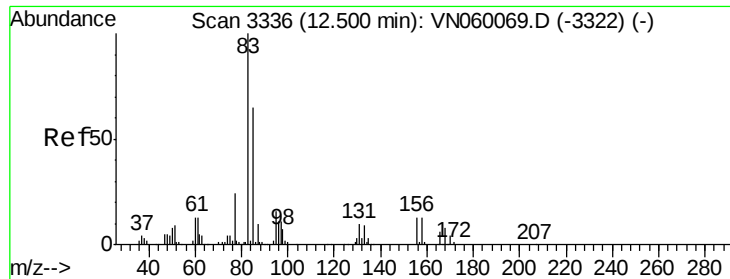
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.643 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

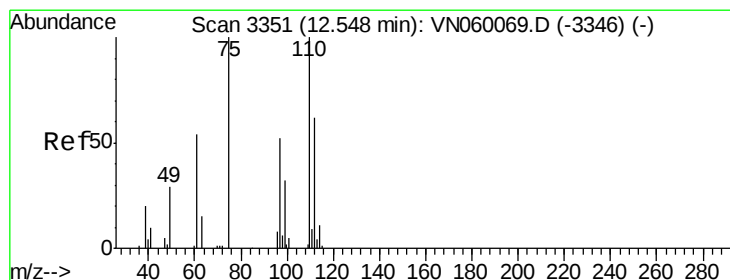
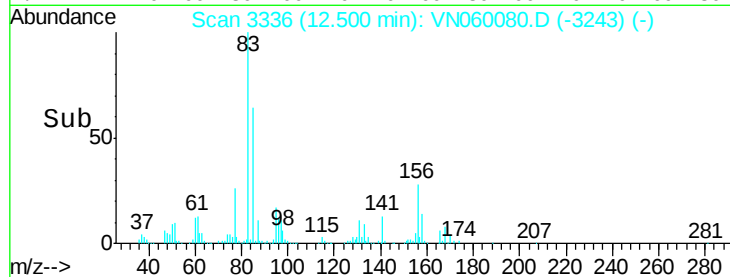
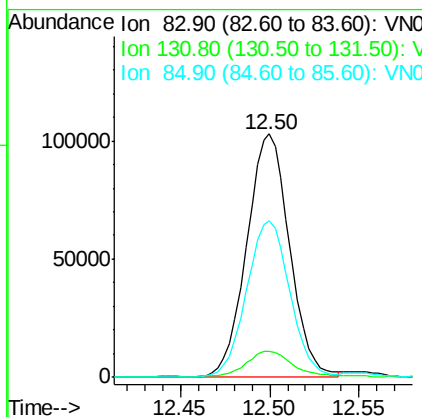
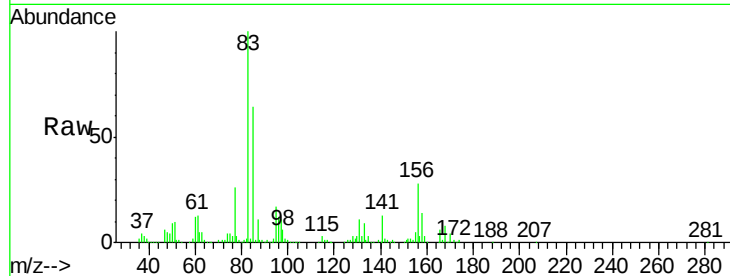
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	172403
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.2	15.6
85	65.0	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 40.886 ug/l m

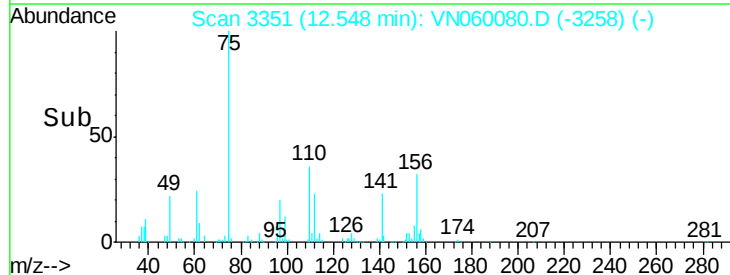
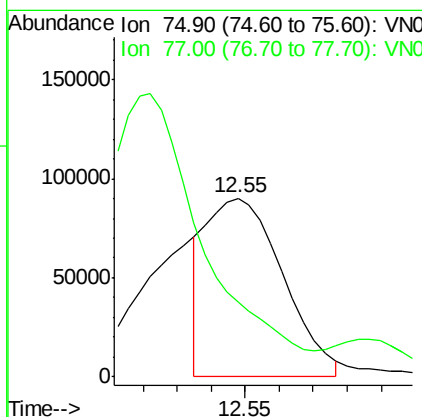
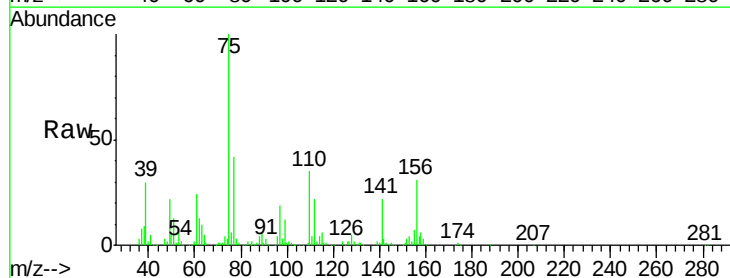
RT: 12.55 min Scan# 3351

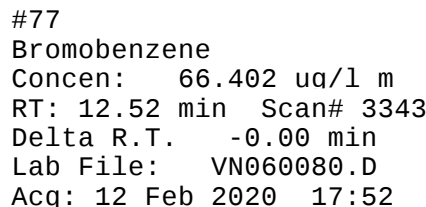
Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Tgt Ion:	75	Resp:	140544
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



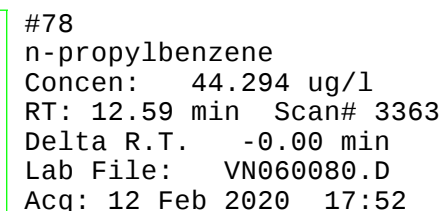
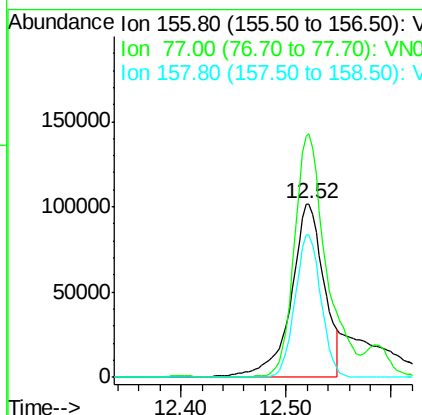


Instrument : MSVOA_N
ClientSampleId : VSTDCCC050EC

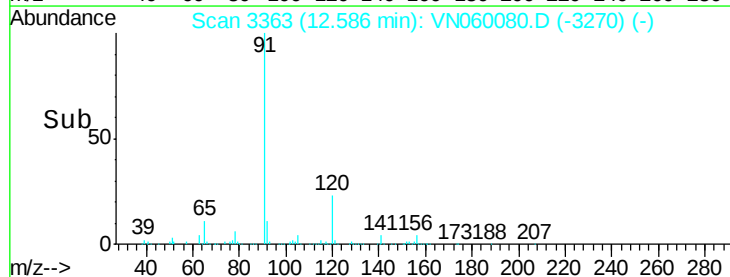
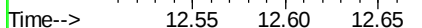
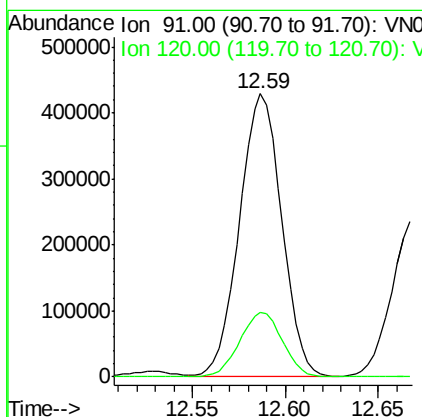
Manual Integrations
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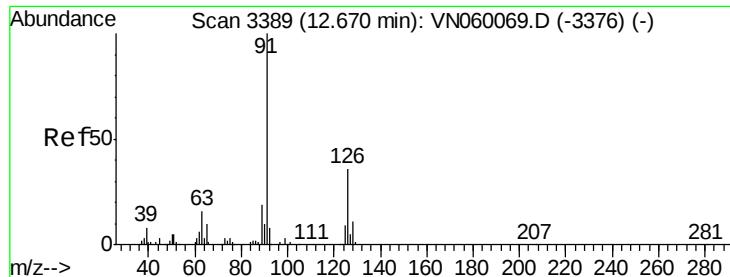
MMDadoda
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Tqt	Ion:156	Resp:	221097
Ion	Ratio	Lower	Upper
156	100		
77	136.3	98.7	296.1
158	65.6	48.1	144.4



Tgt	Ion: 91	Resp:	677086
Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 44.144 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 396629

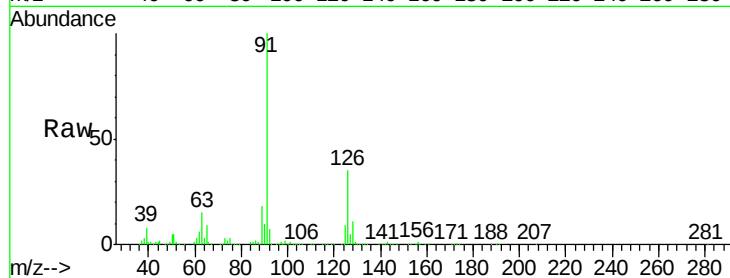
Ion Ratio Lower Upper

91 100

126 34.2 17.4 52.2

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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)

400000

300000

200000

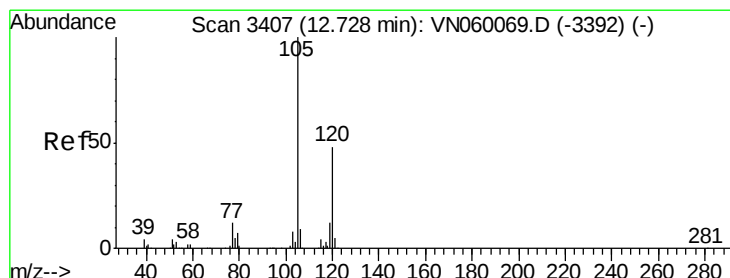
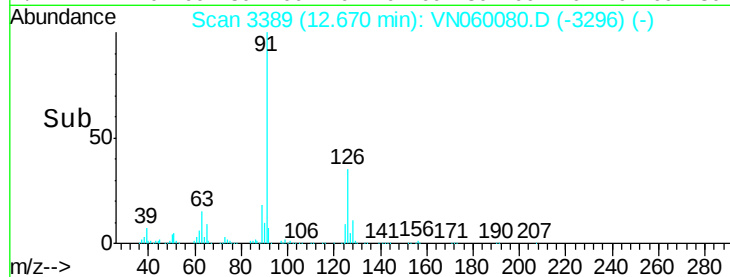
100000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.774 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060080.D

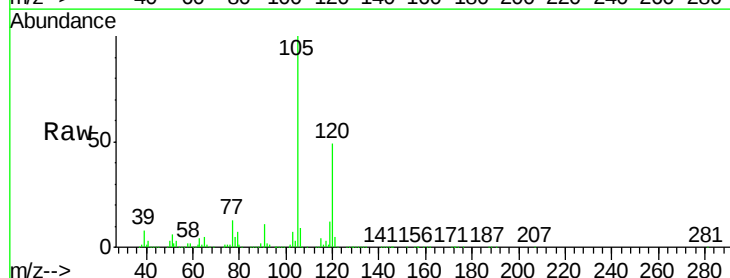
Acq: 12 Feb 2020 17:52

Tgt Ion: 105 Resp: 499474

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

300000

200000

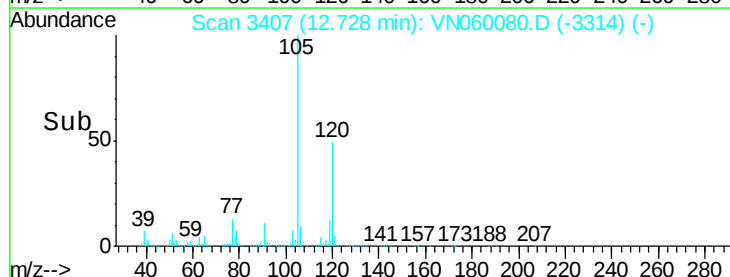
100000

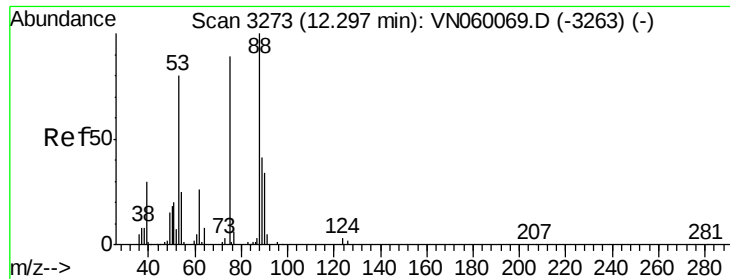
0

12.60 12.70 12.80 12.90

12.73

Time-->





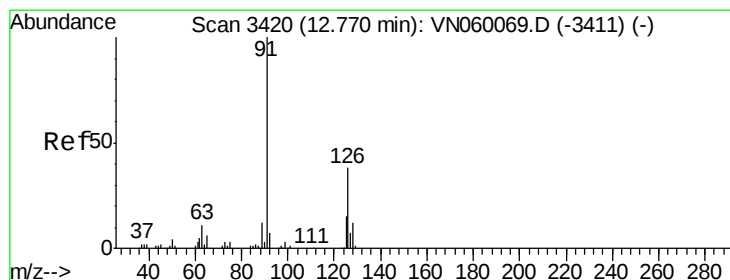
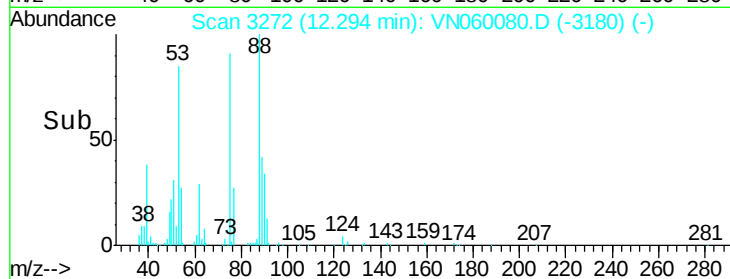
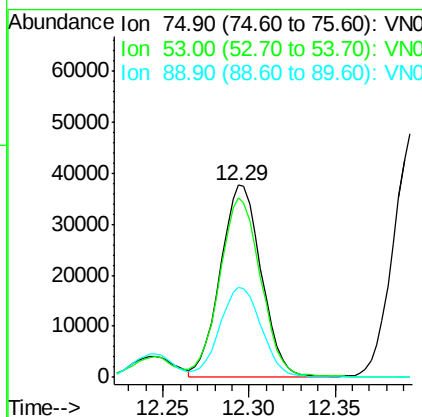
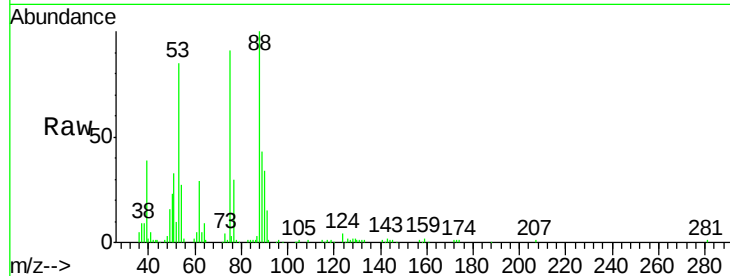
#81
trans-1,4-Dichloro-2-butene
Concen: 44.473 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.1	73.9	110.9
89	47.0	37.0	55.4

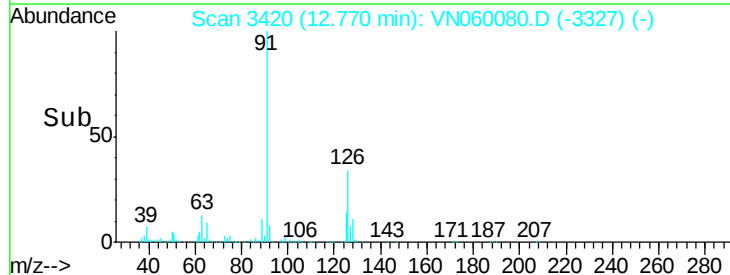
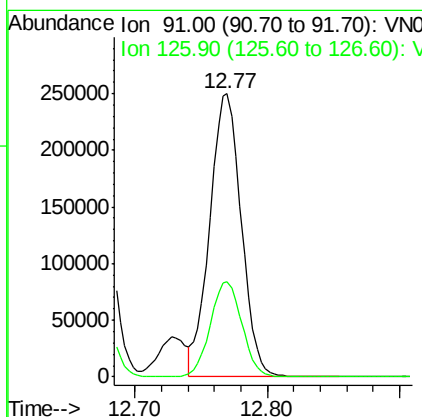
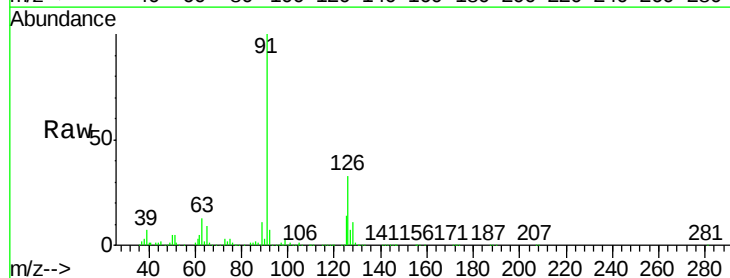
Manual Integrations
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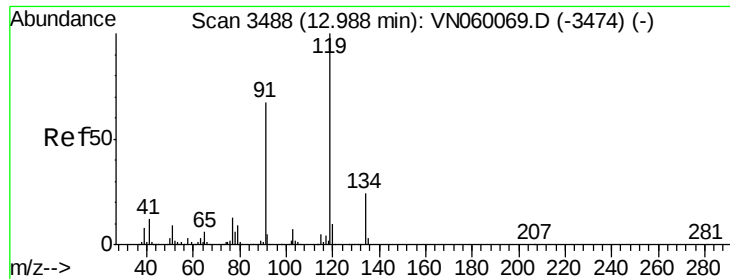
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#82
4-Chlorotoluene
Concen: 44.486 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.1	51.3





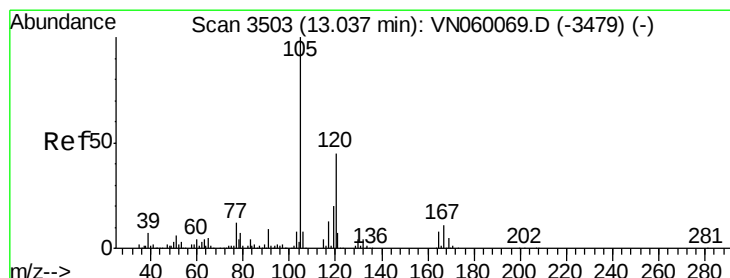
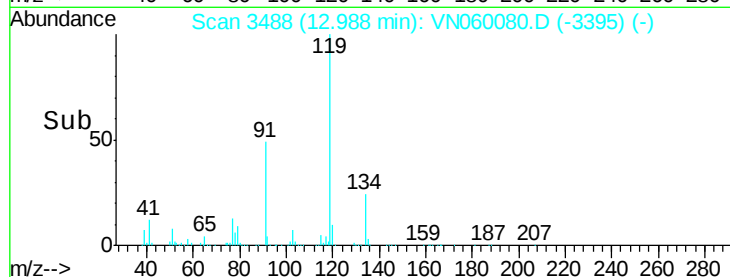
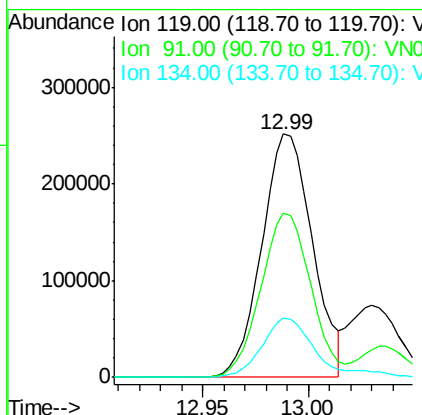
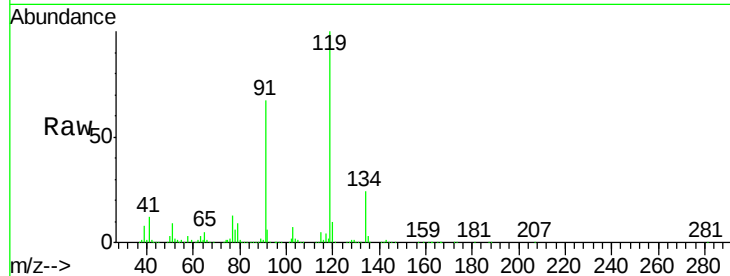
#83
 tert-Butylbenzene
 Concen: 42.551 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	32.7	98.1
134	26.1	12.9	38.7

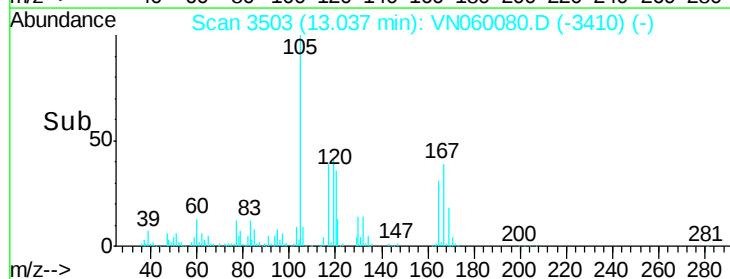
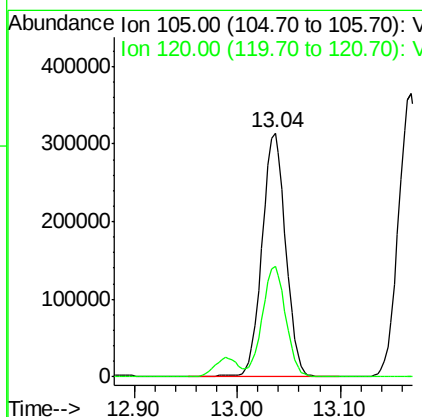
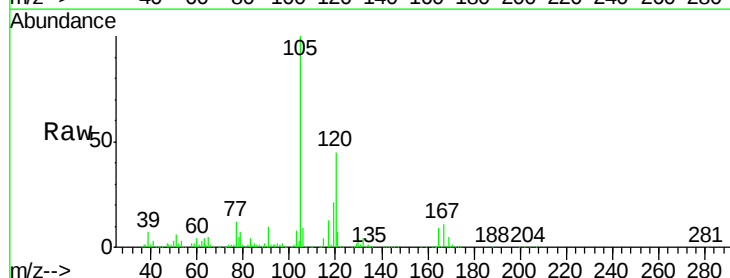
Manual Integrations
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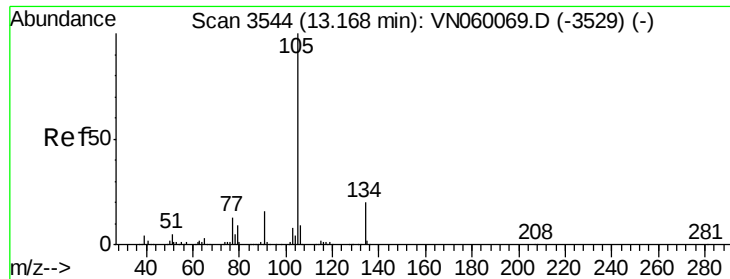
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.061 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3





#85

sec-Butylbenzene

Concen: 43.748 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

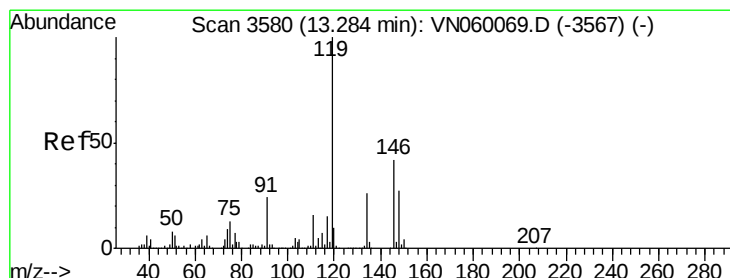
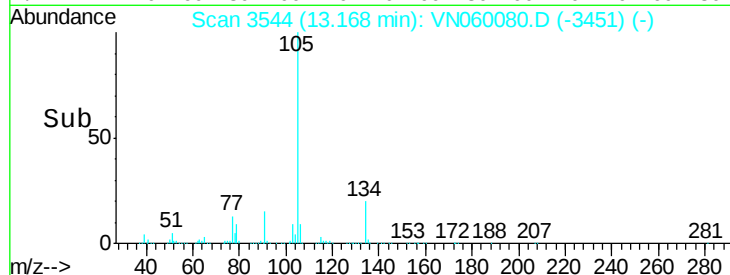
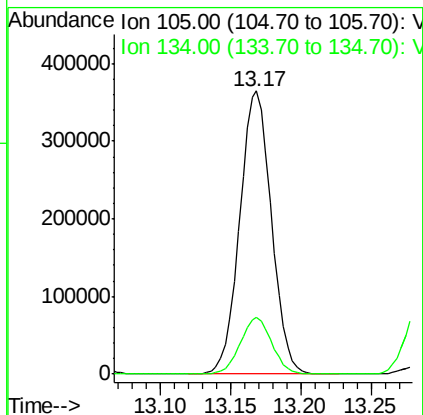
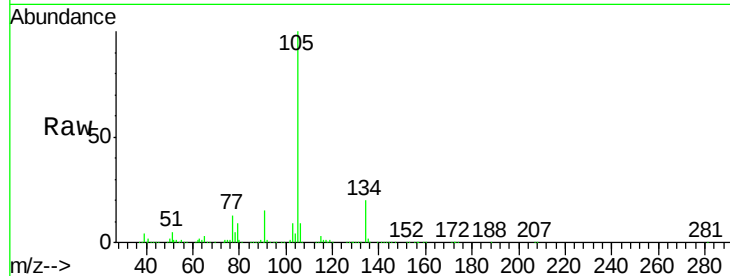
ClientSampleId :

VSTDCCC050EC

Tot Ion:	105	Resp:	571756
Ion Ratio	Lower	Upper	
105	100		
134	19.9	9.9	29.7

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#86

p-Isopropyltoluene

Concen: 44.515 ug/l

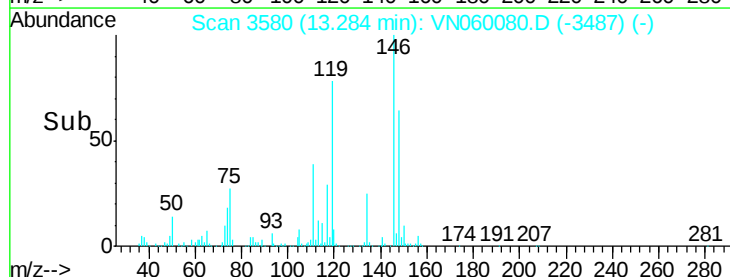
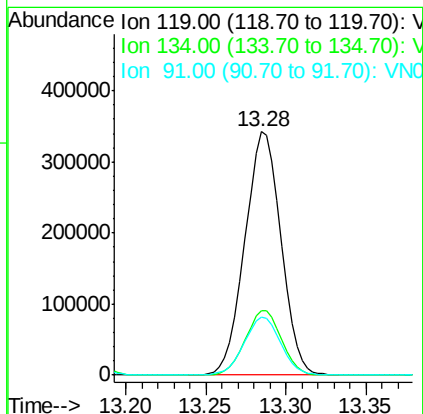
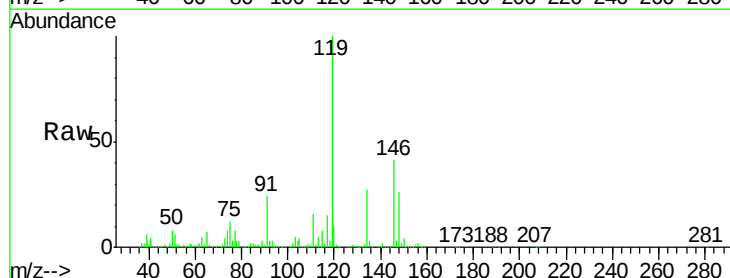
RT: 13.28 min Scan# 3580

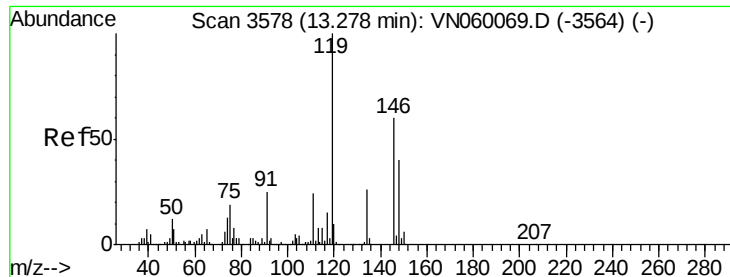
Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Tgt Ion:	119	Resp:	527106
Ion Ratio	Lower	Upper	
119	100		
134	26.8	13.3	39.8
91	23.7	11.9	35.9





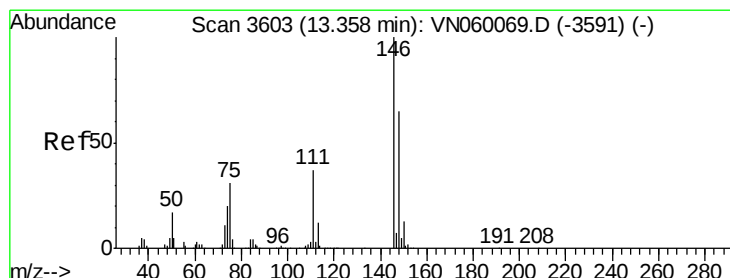
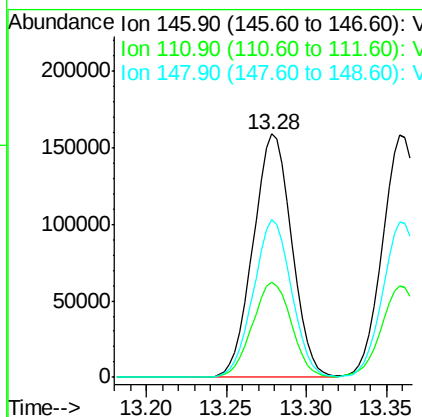
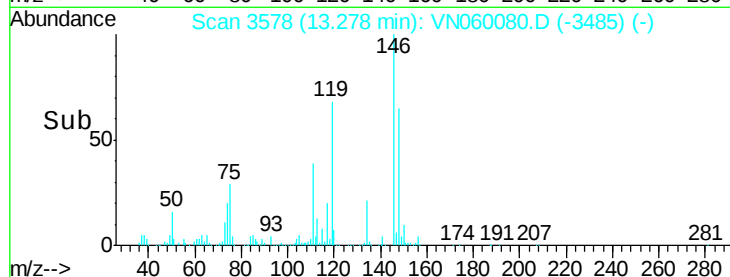
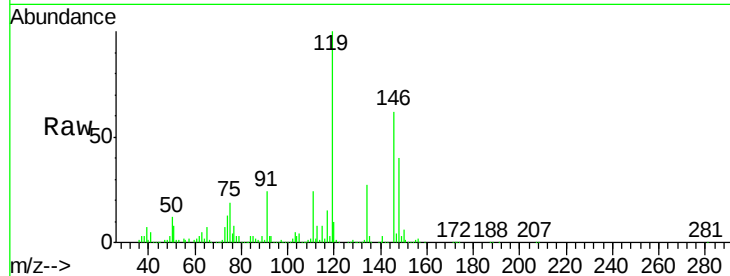
#87
 1,3-Dichlorobenzene
 Concen: 44.803 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	63.9	32.0	96.2

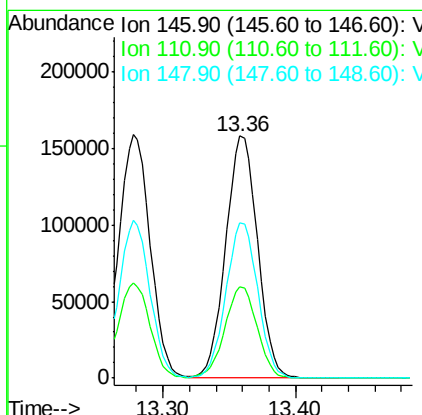
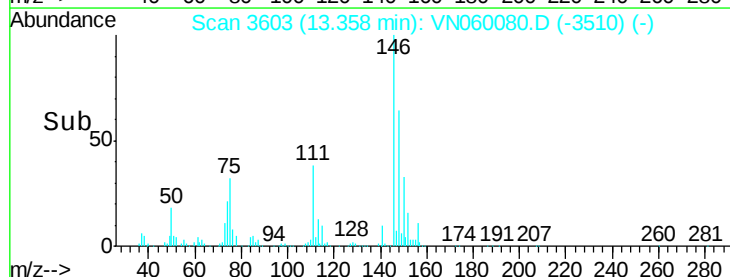
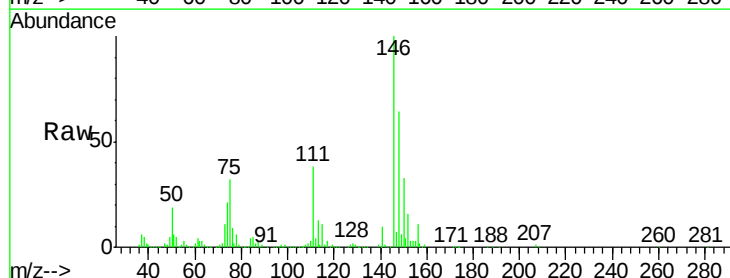
Manual Integrations
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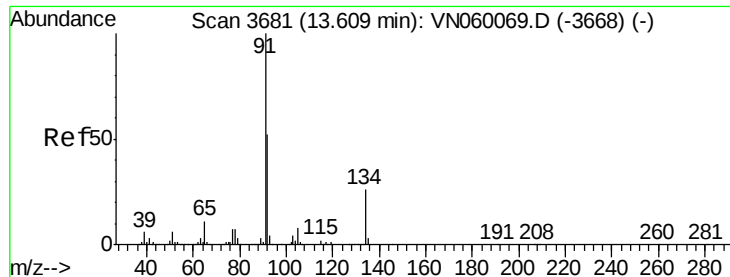
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#88
 1,4-Dichlorobenzene
 Concen: 44.690 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	64.4	32.0	96.0





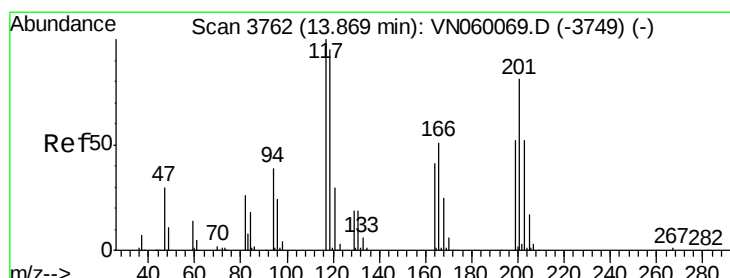
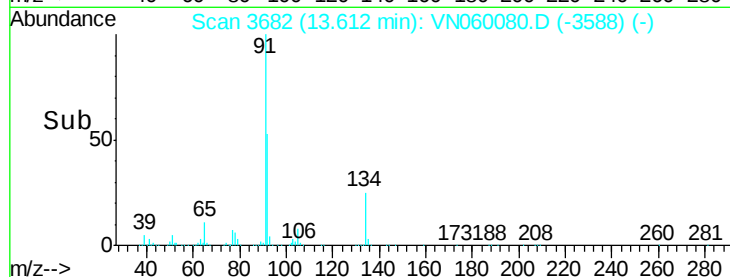
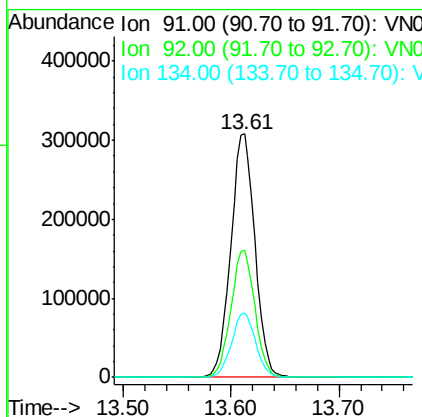
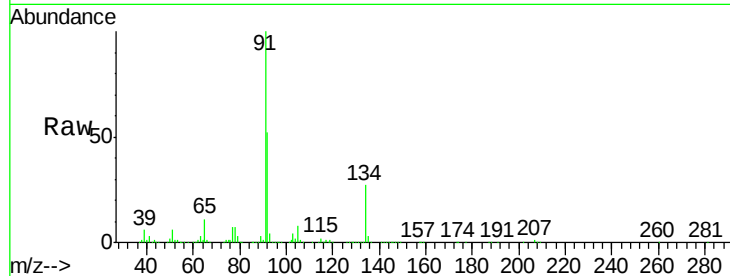
#89
n-Butylbenzene
Concen: 45.935 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	26.6	13.1	39.3

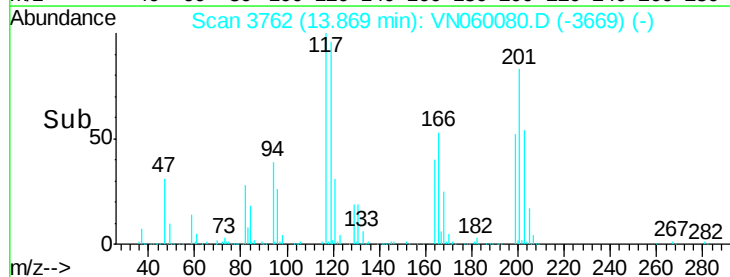
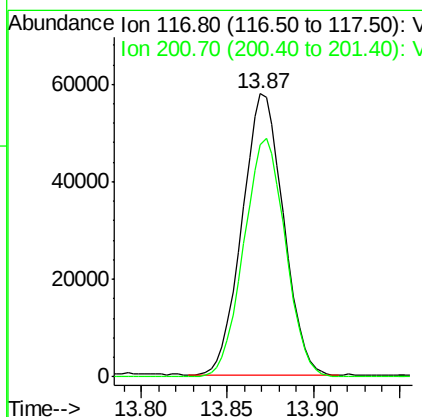
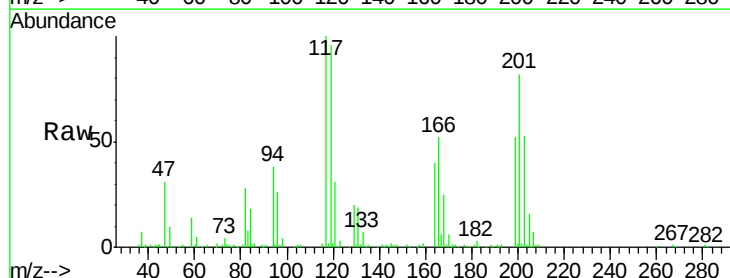
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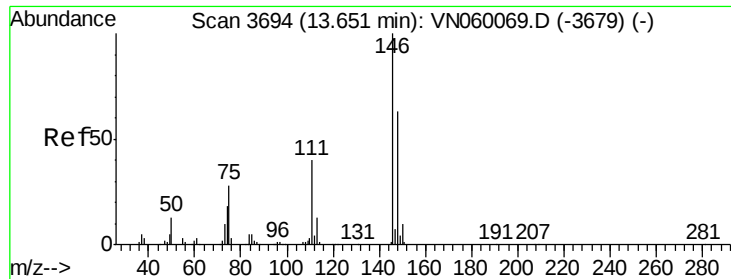
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#90
Hexachloroethane
Concen: 43.358 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	41.7	125.1





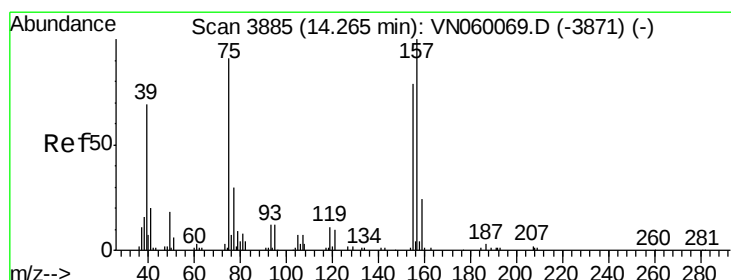
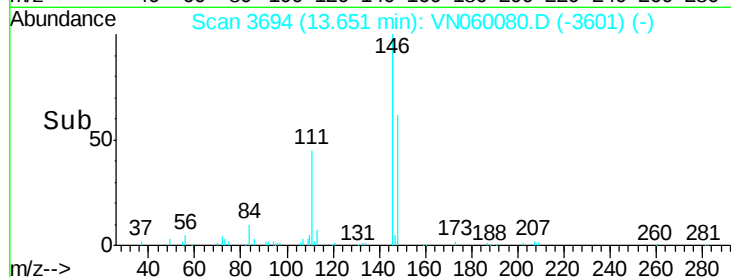
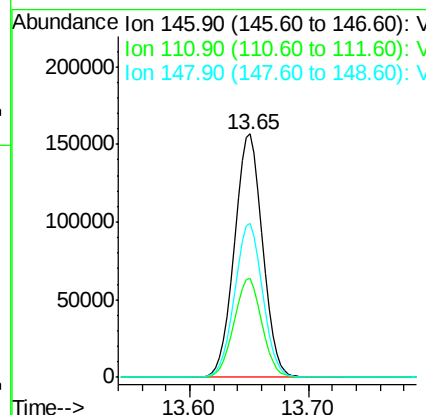
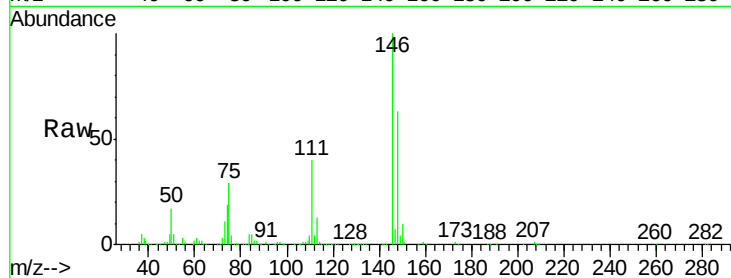
#91
 1,2-Dichlorobenzene
 Concen: 44.362 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	63.4	31.9	95.5

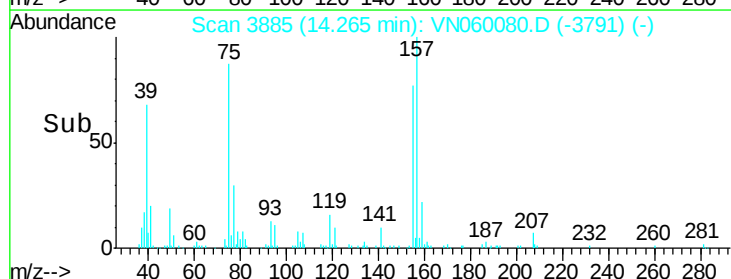
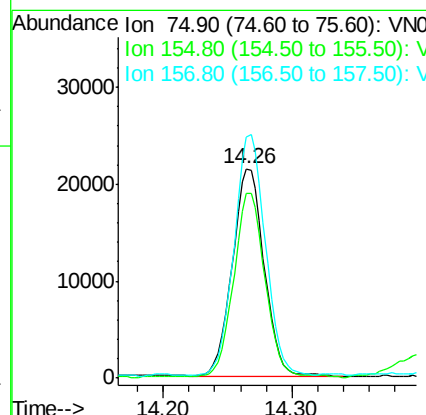
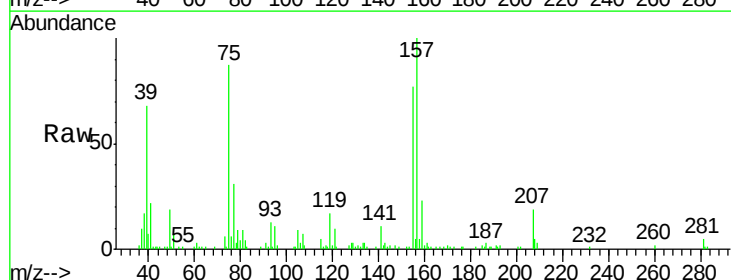
Manual Integrations
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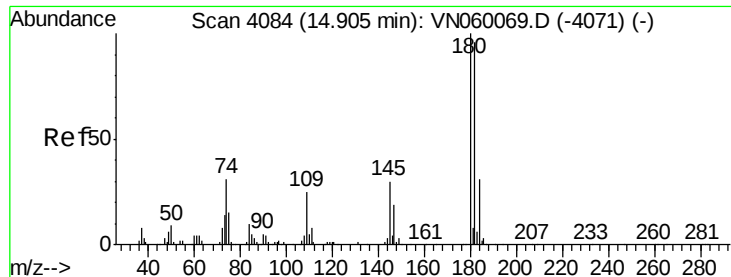
MMDadoda
 2/13/2020 10:38:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.511 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.0	129.0
157	113.6	54.9	164.5





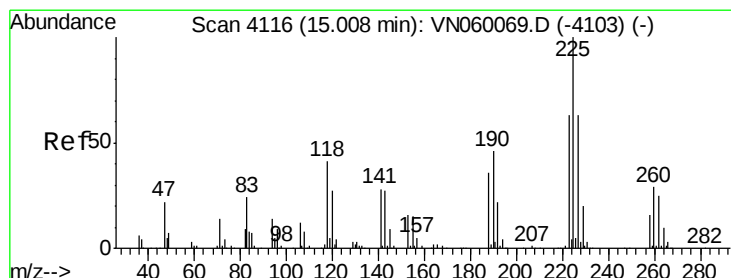
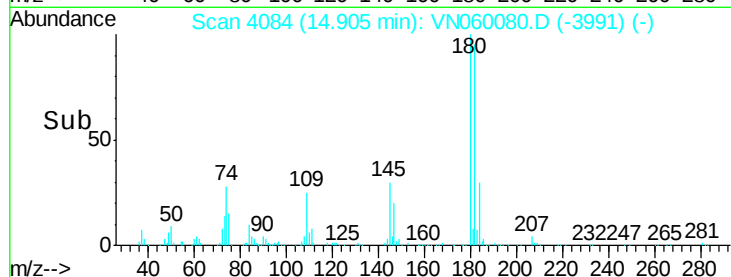
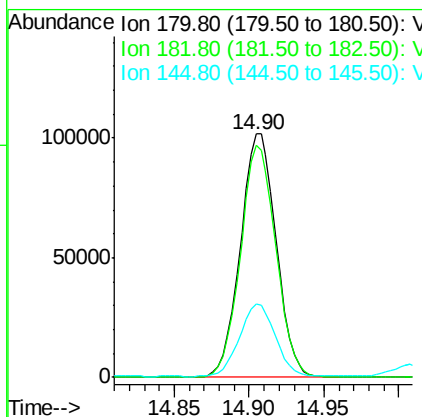
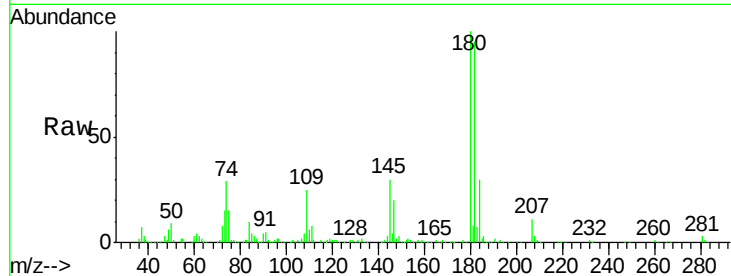
#93
 1,2,4-Trichlorobenzene
 Concen: 49.958 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	169315		
182	94.6	47.9	143.8	
145	29.7	15.2	45.5	

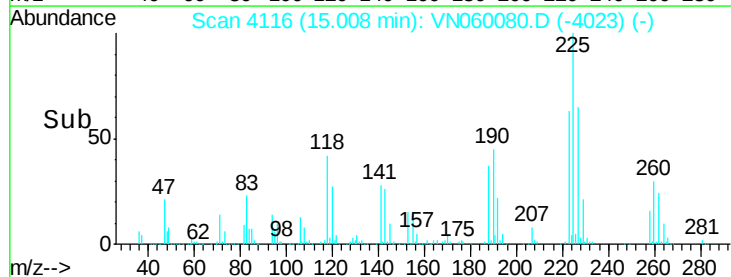
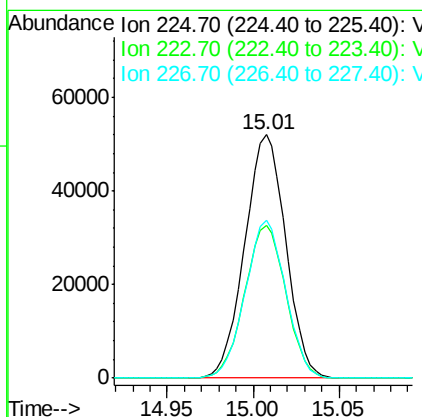
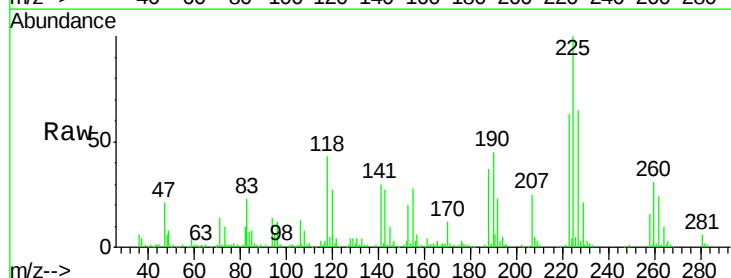
Manual Integrations
 APPROVED

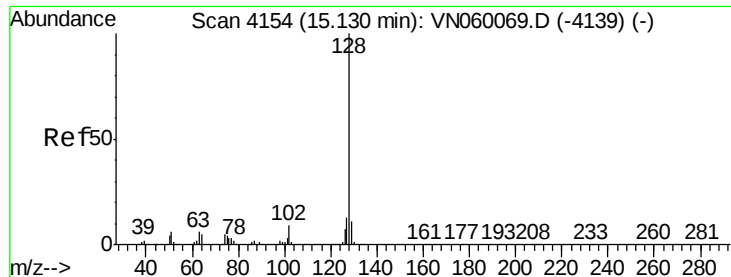
MMDadoda
 2/13/2020 10:38:20 AM



#94
 Hexachlorobutadiene
 Concen: 43.344 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85998		
223	63.0	31.5	94.5	
227	63.7	31.8	95.4	





#95

Naphthalene

Concen: 51.403 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

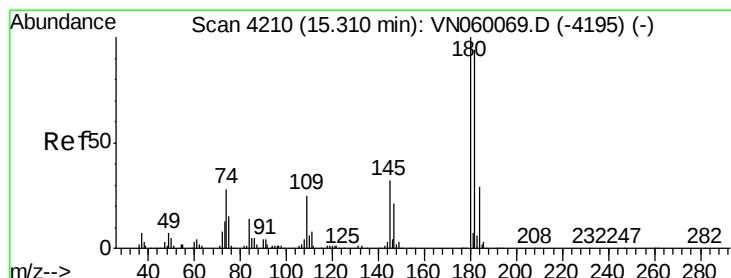
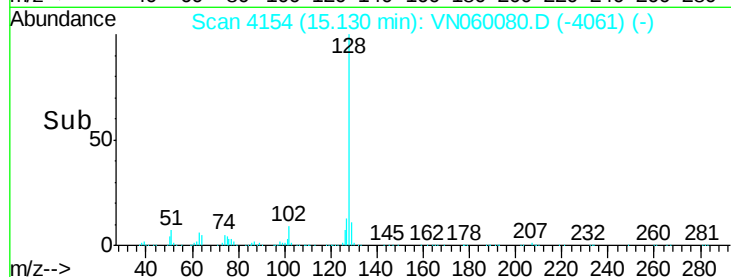
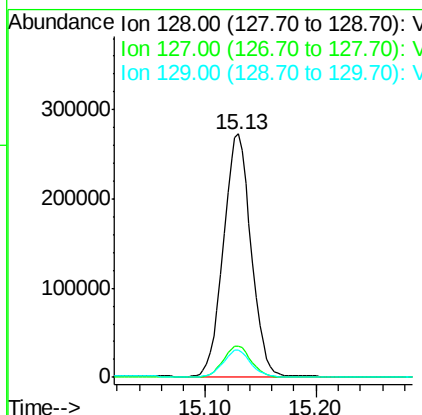
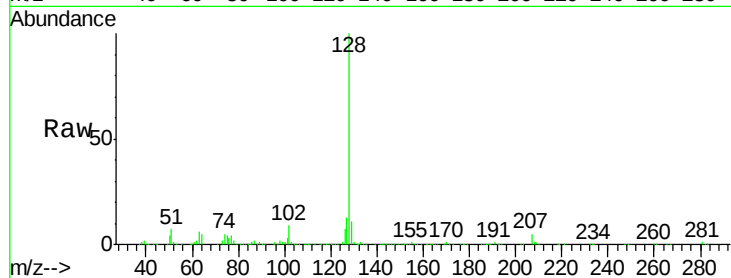
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	470591
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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2/13/2020 10:38:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.097 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Tgt Ion:	180	Resp:	162328
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.5	142.5
145	32.3	16.1	48.3

