

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
 Data File : VN061836.D
 Acq On : 16 Jun 2020 19:25
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/17/2020 3:45:03 PM

Quant Time: Jun 17 01:18:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 00:50:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	167346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	286922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	274592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	141655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	341336	168.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	337.82%	
35) Dibromofluoromethane	7.55	113	285622	188.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	377.14%	
50) Toluene-d8	10.06	98	1163426	171.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	343.88%	
62) 4-Bromofluorobenzene	12.38	95	420802	171.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	343.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	329593	182.600	ug/l	98
3) Chloromethane	2.03	50	344142	163.764	ug/l	97
4) Vinyl Chloride	2.16	62	424803	150.853	ug/l	99
5) Bromomethane	2.50	94	292628	173.116	ug/l	97
6) Chloroethane	2.65	64	274373m	150.027	ug/l	
7) Trichlorofluoromethane	2.97	101	516027	143.978	ug/l	98
8) Diethyl Ether	3.37	74	173425	154.654	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	250913	153.928	ug/l	99
10) Methyl Iodide	3.91	142	338945	155.705	ug/l	99
11) Tert butyl alcohol	4.74	59	237073	865.992	ug/l	98
12) 1,1-Dichloroethene	3.69	96	261002	150.705	ug/l	96
13) Acrolein	3.56	56	137049	1127.169	ug/l	99
14) Allyl chloride	4.27	41	358531	158.384	ug/l	99
15) Acrylonitrile	4.93	53	621092	828.581	ug/l	99
16) Acetone	3.77	43	462199	646.365	ug/l	99
17) Carbon Disulfide	4.00	76	777547	193.379	ug/l	100
18) Methyl Acetate	4.27	43	284013	155.337	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	889611	151.808	ug/l	98
20) Methylene Chloride	4.50	84	303877	122.500	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	297108	151.674	ug/l	99
22) Diisopropyl ether	5.90	45	834684	167.763	ug/l	98
23) Vinyl Acetate	5.84	43	3401533	859.061	ug/l	98
24) 1,1-Dichloroethane	5.80	63	506662	159.507	ug/l	99
25) 2-Butanone	6.78	43	768869	804.916	ug/l	99
26) 2,2-Dichloropropane	6.77	77	411471	142.924	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	344357	156.269	ug/l	100
28) Bromochloromethane	7.15	49	236338	170.299	ug/l	96
29) Tetrahydrofuran	7.17	42	506264	805.540	ug/l	98
30) Chloroform	7.33	83	527108	151.102	ug/l	100
31) Cyclohexane	7.61	56	439897	155.230	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	463530	147.185	ug/l	100
36) 1,1-Dichloropropene	7.75	75	410420	159.777	ug/l	99
37) Ethyl Acetate	6.88	43	330228	161.272	ug/l	99
38) Carbon Tetrachloride	7.73	117	394354	159.412	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 00:50:55 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	468129	150.347	ug/l	99
40) Benzene	8.00	78	1236797	156.450	ug/l	98
41) Methacrylonitrile	7.13	41	140050m	149.333	ug/l	
42) 1,2-Dichloroethane	8.08	62	412540	155.235	ug/l	100
43) Isopropyl Acetate	8.13	43	578557	157.511	ug/l #	90
44) Trichloroethene	8.80	130	319406	135.615	ug/l	98
45) 1,2-Dichloropropane	9.08	63	307188	162.595	ug/l	97
46) Dibromomethane	9.17	93	214521	149.890	ug/l	99
47) Bromodichloromethane	9.37	83	438230	154.532	ug/l	99
48) Methyl methacrylate	9.17	41	268354	161.790	ug/l	97
49) 1,4-Dioxane	9.17	88	121140	4344.387	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1739775	837.156	ug/l	100
52) Toluene	10.12	92	818839	159.238	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	505852	165.731	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	539485	163.691	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	310211	151.742	ug/l	99
56) Ethyl methacrylate	10.40	69	478763	168.963	ug/l	98
57) 1,3-Dichloropropane	10.68	76	530761	161.289	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	909524	763.437	ug/l	99
59) 2-Hexanone	10.72	43	1295402	867.859	ug/l	99
60) Dibromochloromethane	10.87	129	353941	153.961	ug/l	100
61) 1,2-Dibromoethane	10.98	107	325623	153.373	ug/l	99
64) Tetrachloroethene	10.60	164	264492	107.650	ug/l	100
65) Chlorobenzene	11.41	112	869198	151.773	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	318564	150.293	ug/l	100
67) Ethyl Benzene	11.48	91	1573043	158.600	ug/l	100
68) m/p-Xylenes	11.60	106	1225234	312.651	ug/l	100
69) o-Xylene	11.92	106	592718	159.044	ug/l	99
70) Styrene	11.94	104	1052560	170.368	ug/l	100
71) Bromoform	12.10	173	248896	154.085	ug/l #	99
73) Isopropylbenzene	12.22	105	1555545	149.444	ug/l	100
74) N-amyl acetate	12.05	43	587046	178.903	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	458829	154.909	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	395691m	151.792	ug/l	
77) Bromobenzene	12.50	156	378850	143.936	ug/l	99
78) n-propylbenzene	12.57	91	1784489	153.240	ug/l	100
79) 2-Chlorotoluene	12.65	91	1045025	150.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1322644	152.257	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	166627	164.563	ug/l	99
82) 4-Chlorotoluene	12.75	91	1130214	155.009	ug/l	99
83) tert-Butylbenzene	12.97	119	1101032	144.148	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	1351776	156.642	ug/l	99
85) sec-Butylbenzene	13.15	105	1463242	148.601	ug/l	99
86) p-Isopropyltoluene	13.26	119	1361091	150.523	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	710093	151.271	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	704421	147.477	ug/l	99
89) n-Butylbenzene	13.59	91	1163768	154.109	ug/l	100
90) Hexachloroethane	13.85	117	242314	220.598	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	667566	148.607	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	86388	146.674	ug/l	99

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VSTDICC150

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	372012	146.372	ug/l	99
94) Hexachlorobutadiene	14.99	225	125206	115.841	ug/l	98
95) Naphthalene	15.10	128	1136693	148.772	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	361760	144.736	ug/l	99

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

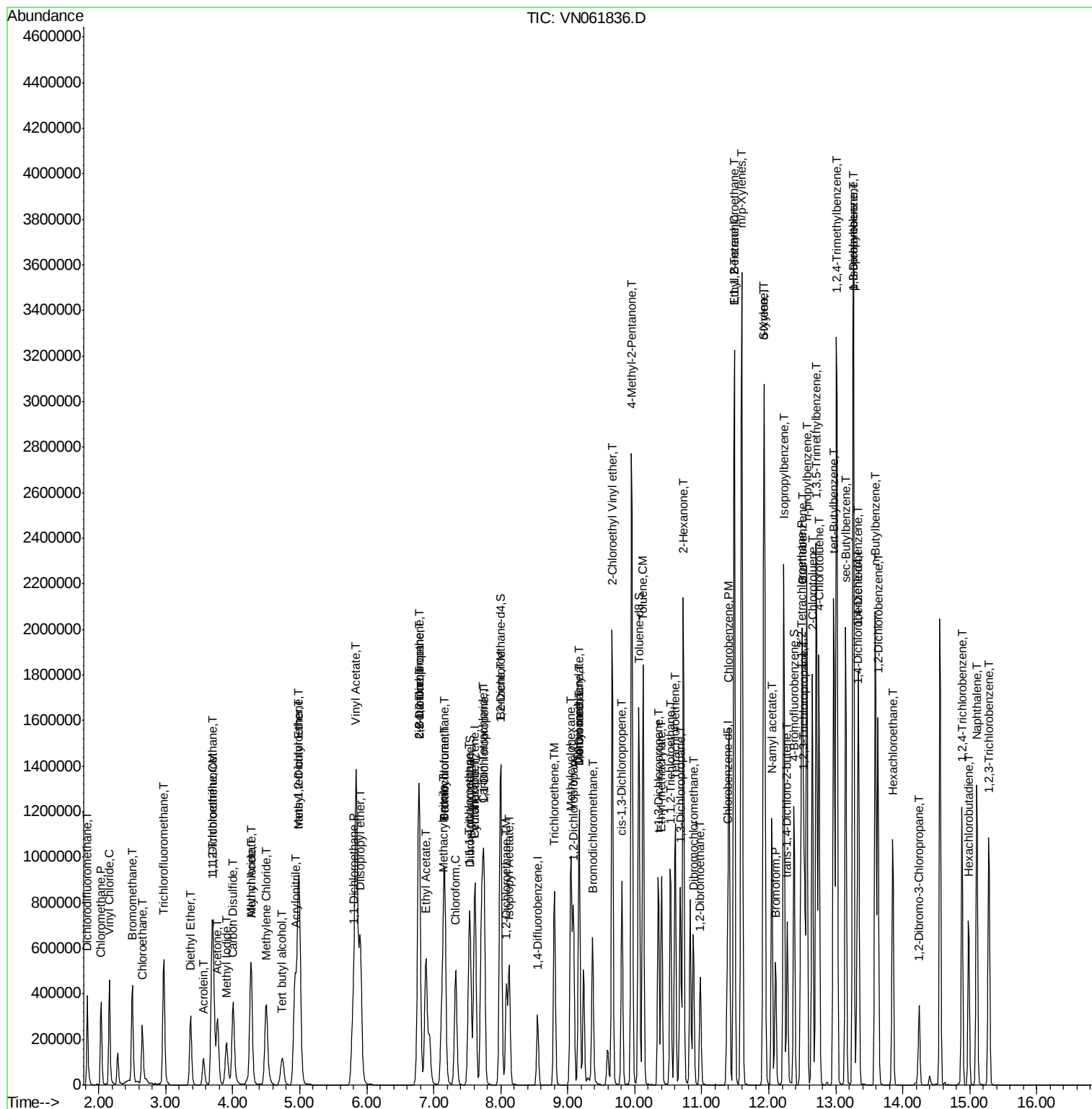
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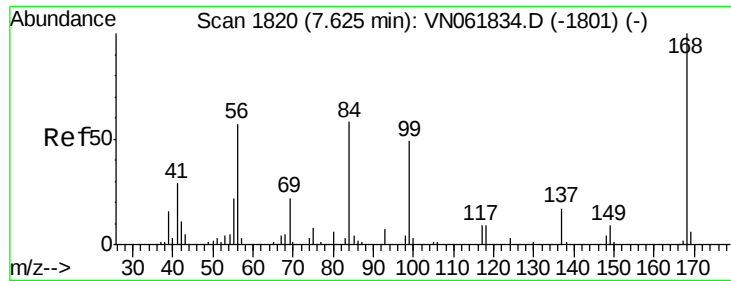
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 167346

Ion Ratio Lower Upper

168 100

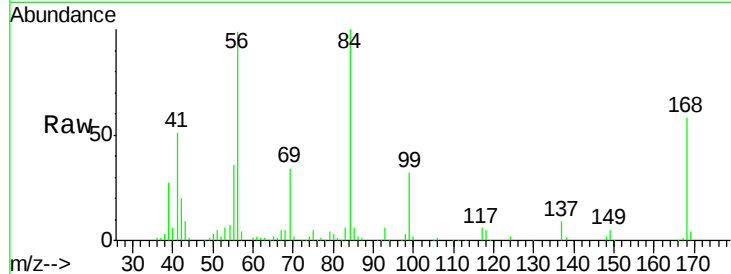
99 54.9 44.6 67.0

Manual Integrations

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6/17/2020 3:45:03 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

120000

100000

80000

60000

40000

20000

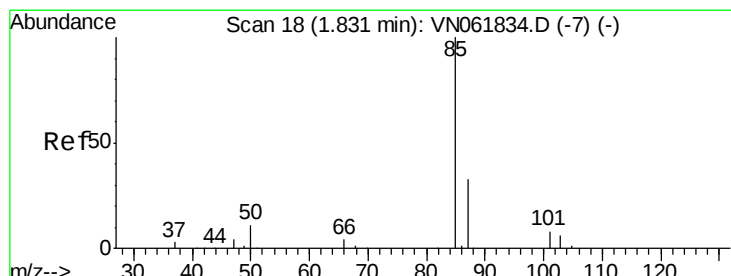
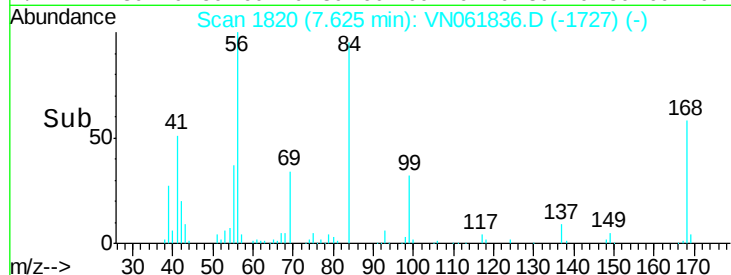
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 182.600 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061836.D

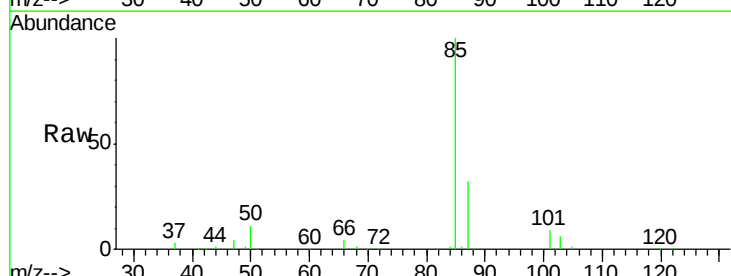
Acq: 16 Jun 2020 19:25

Tgt Ion: 85 Resp: 329593

Ion Ratio Lower Upper

85 100

87 32.0 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

100000

50000

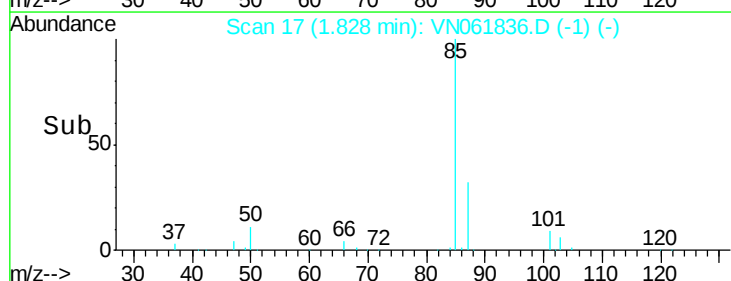
0

1.80

1.83

1.90

Time-->





#3

Chloromethane

Concen: 163.764 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 344142

Ion Ratio Lower Upper

50 100

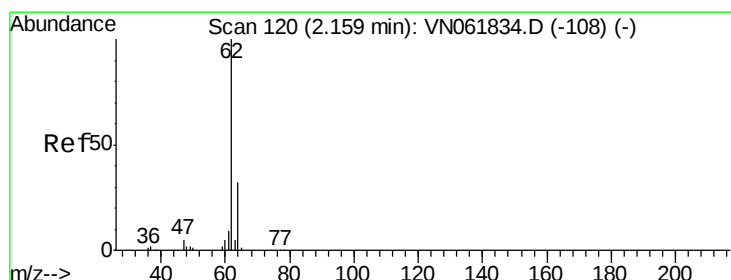
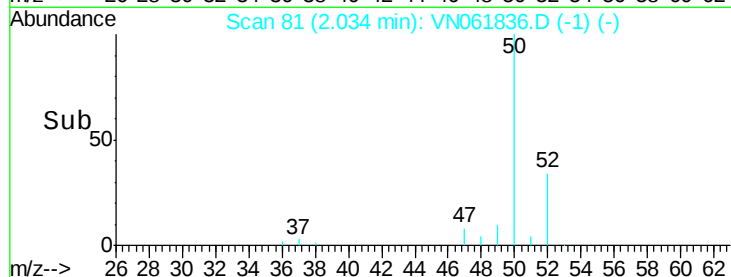
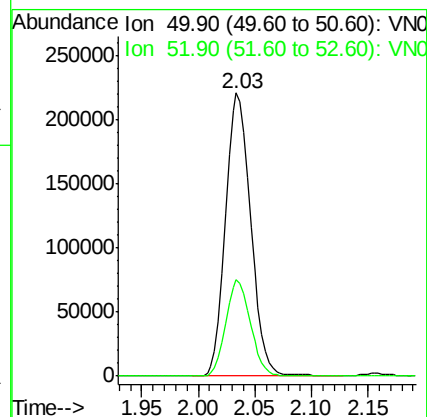
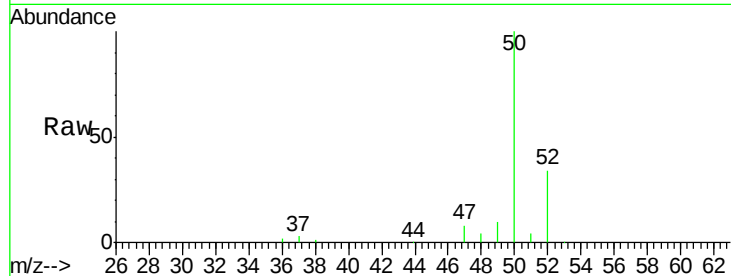
52 34.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 150.853 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061836.D

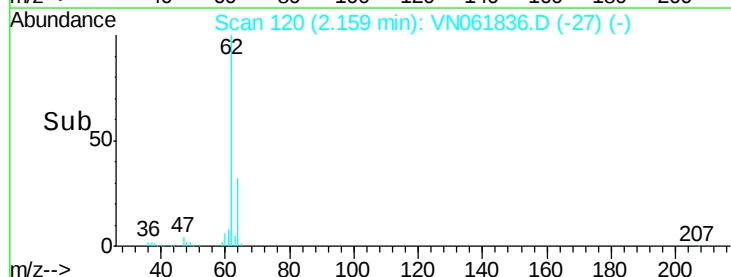
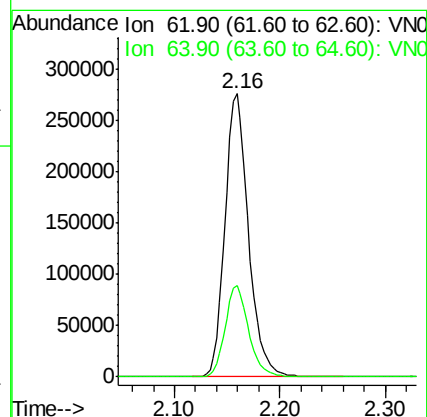
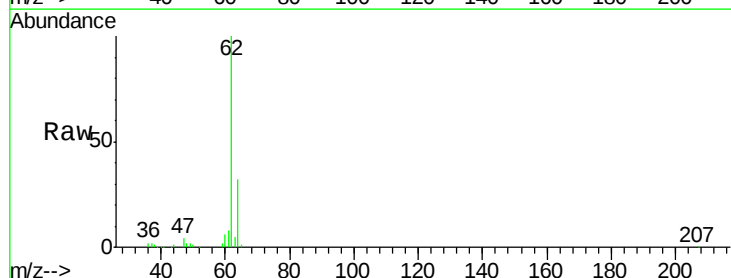
Acq: 16 Jun 2020 19:25

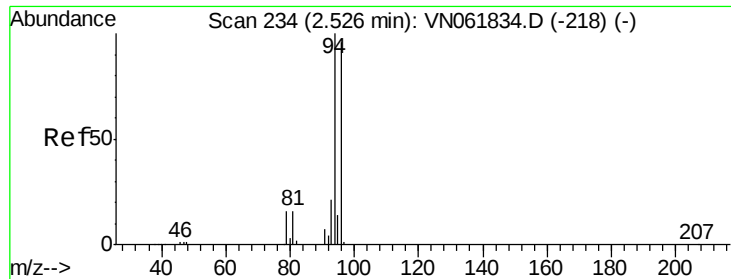
Tgt Ion: 62 Resp: 424803

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 173.116 ug/l

RT: 2.50 min Scan# 226

Delta R.T. -0.03 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 292628

Ion Ratio Lower Upper

94 100

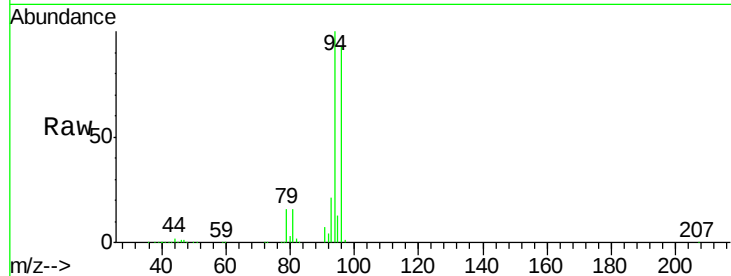
96 92.9 76.7 115.1

Manual Integrations

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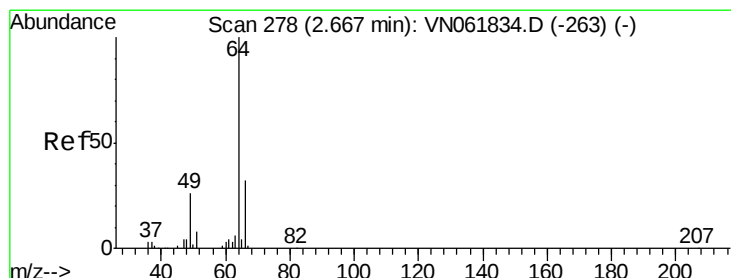
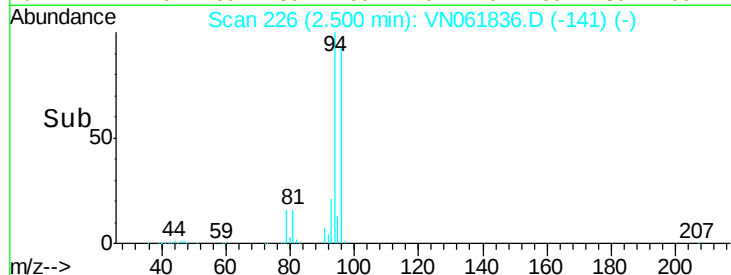
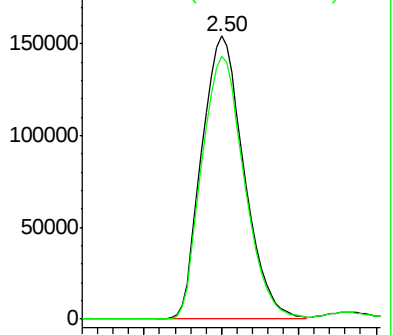
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 150.027 ug/l m

RT: 2.65 min Scan# 273

Delta R.T. -0.02 min

Lab File: VN061836.D

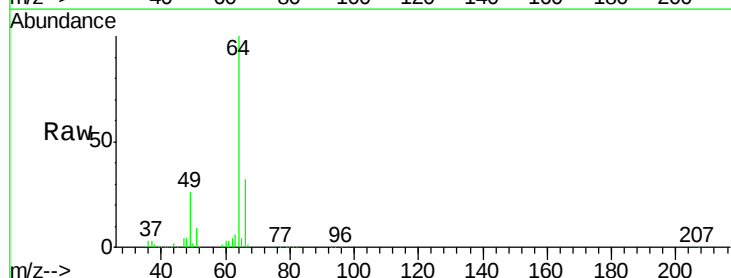
Acq: 16 Jun 2020 19:25

Tgt Ion: 64 Resp: 274373

Ion Ratio Lower Upper

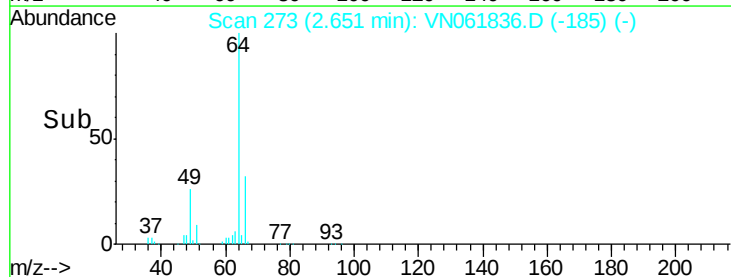
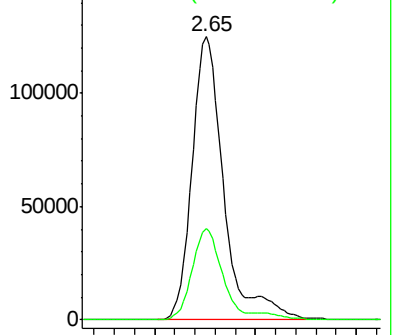
64 100

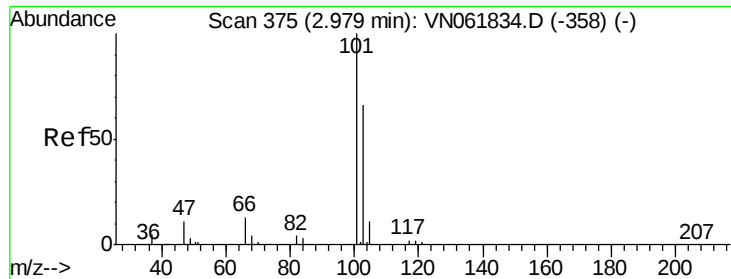
66 32.1 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

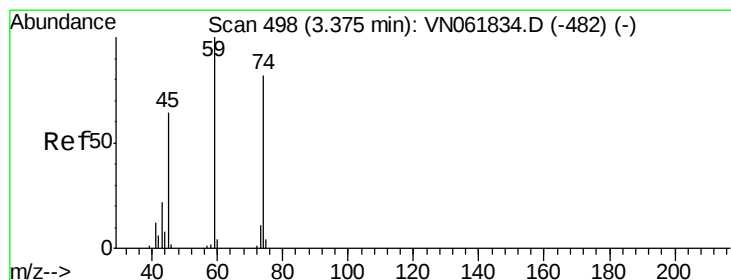
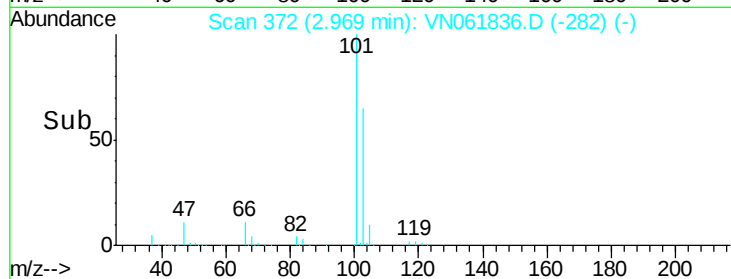
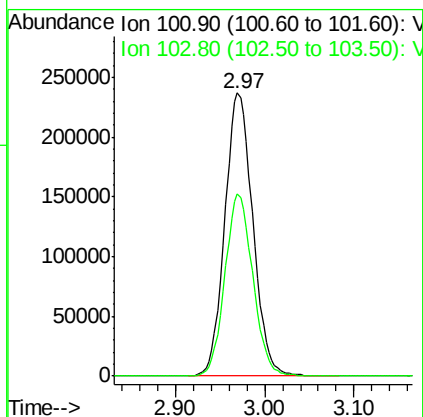
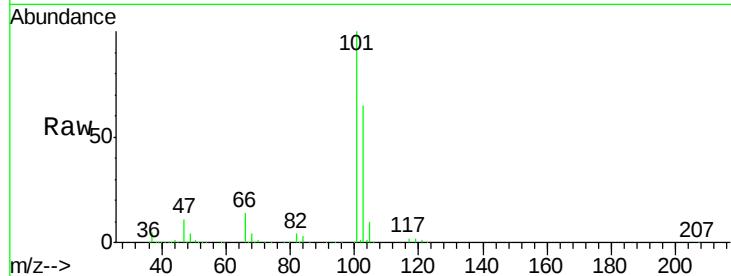
Trichlorofluoromethane
Concen: 143.978 ug/l
RT: 2.97 min Scan# 372
Delta R.T. -0.01 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
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VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.8	79.2

Manual Integrations
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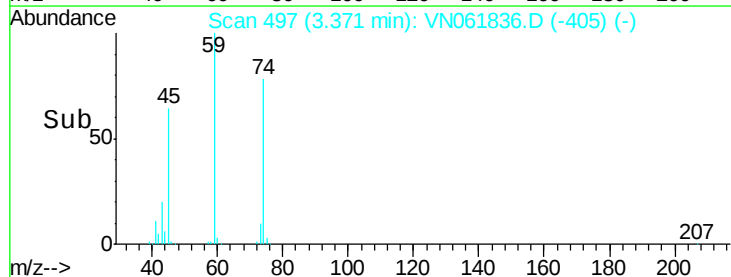
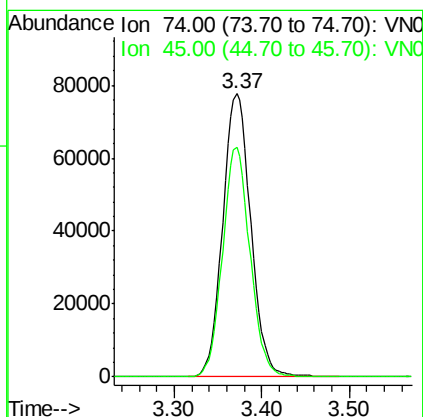
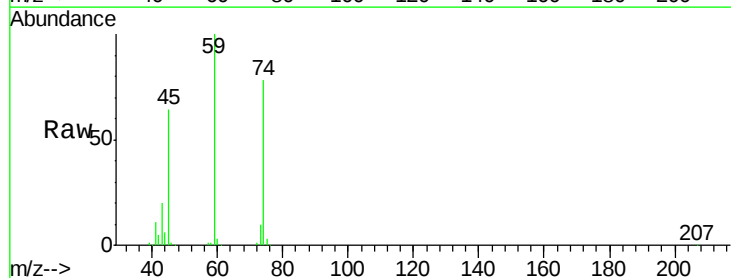
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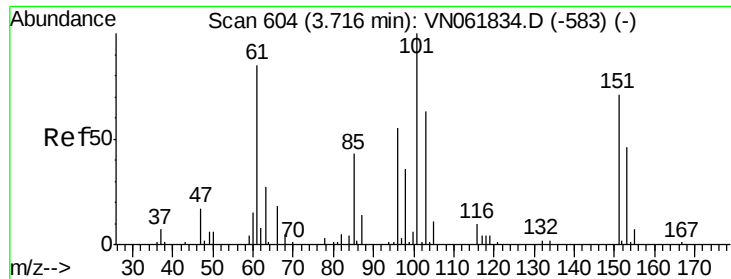


#8

Diethyl Ether
Concen: 154.654 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.3	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.928 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061836.D

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Instrument :

MSVOA_N

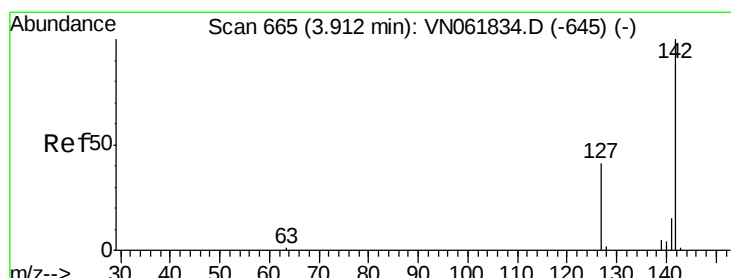
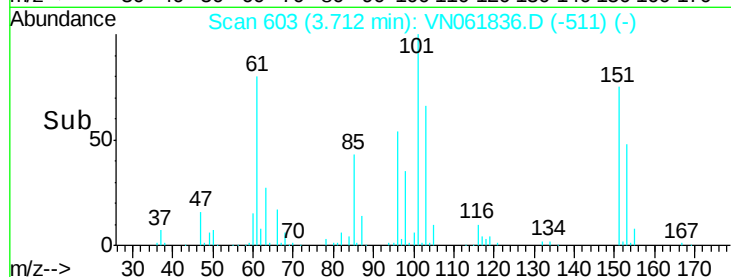
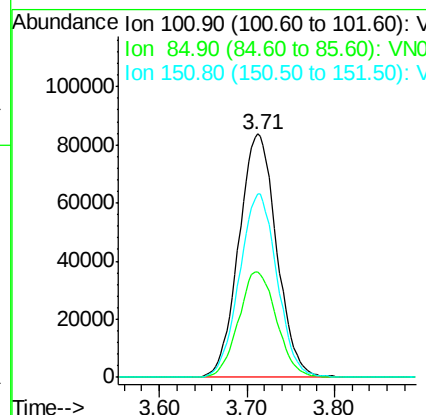
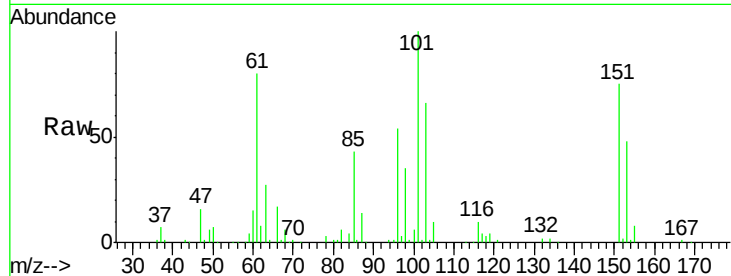
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	250913
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.0	52.6
151	75.2	59.2	88.8

Manual Integrations
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MMDadoda
6/17/2020 3:45:03 PM



#10

Methyl Iodide

Concen: 155.705 ug/l

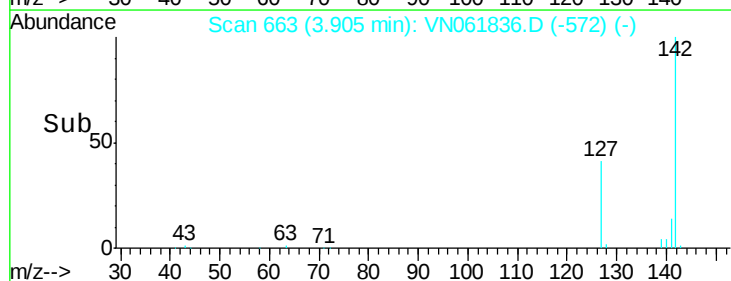
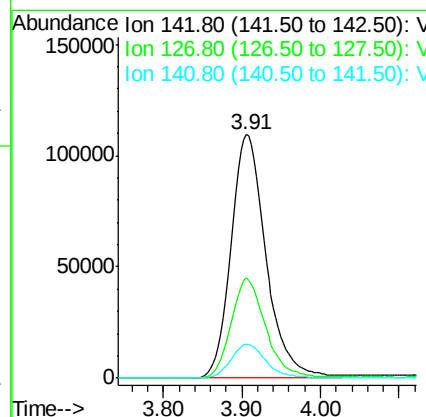
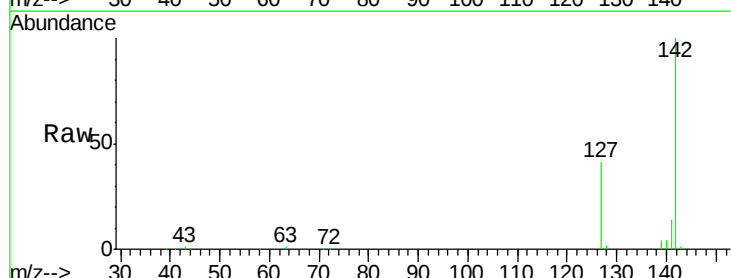
RT: 3.91 min Scan# 663

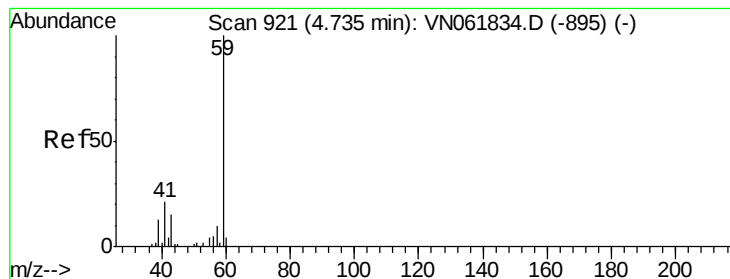
Delta R.T. -0.01 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Tgt Ion:	142	Resp:	338945
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.4	50.0
141	14.0	11.3	16.9





#11

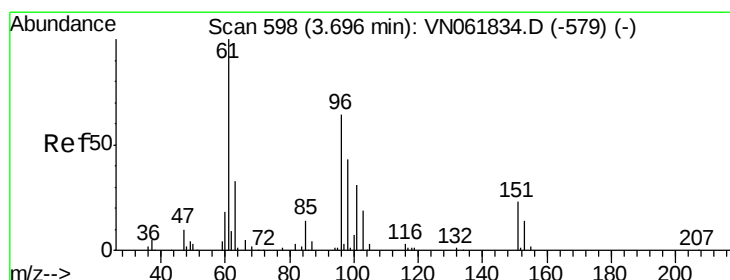
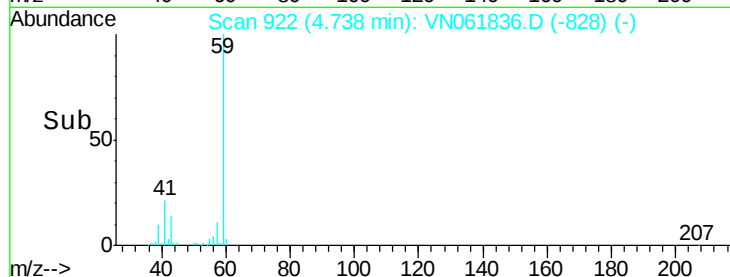
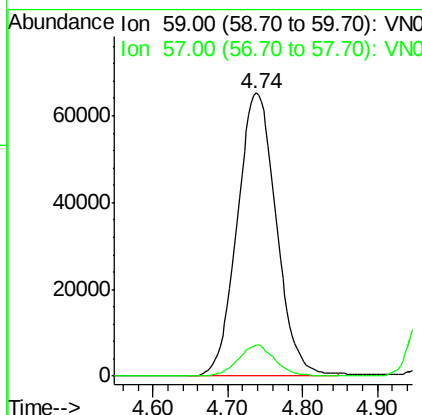
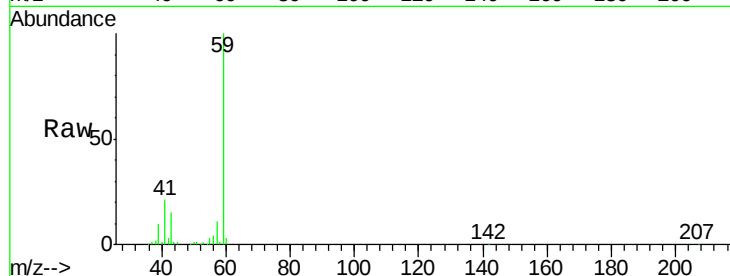
Tert butyl alcohol
Concen: 865.992 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.7	11.5

Manual Integrations
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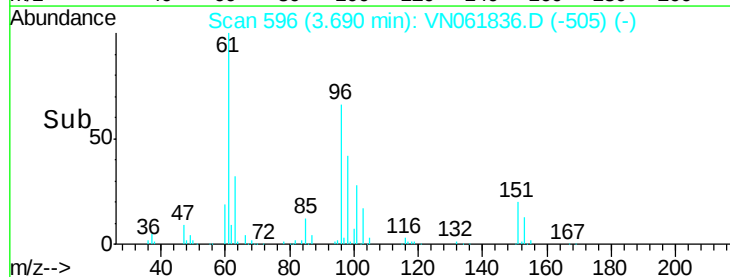
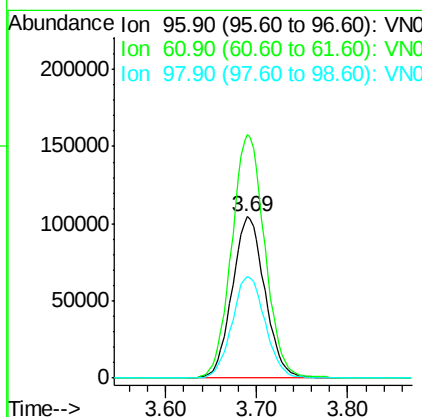
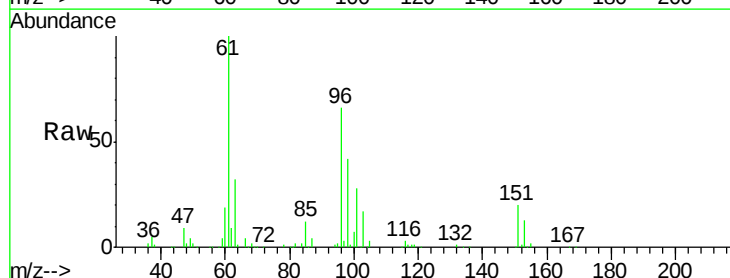
MMDadoda
6/17/2020 3:45:03 PM

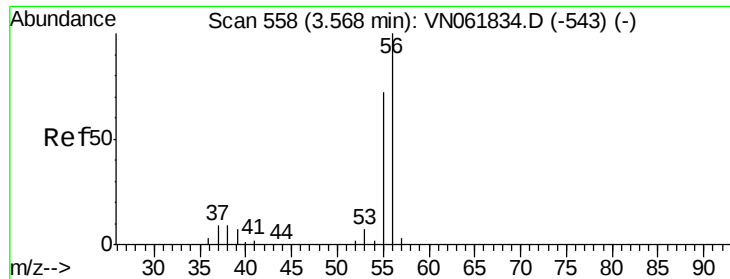


#12

1,1-Dichloroethene
Concen: 150.705 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.01 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	124.3	186.5
98	62.8	53.1	79.7





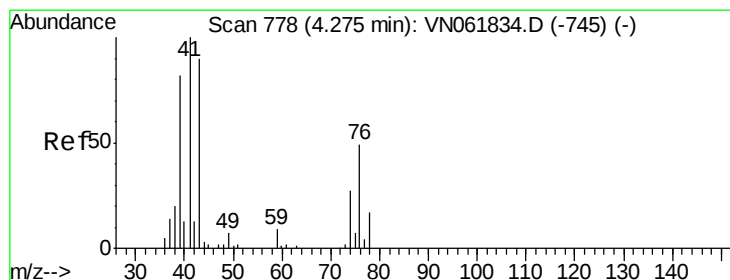
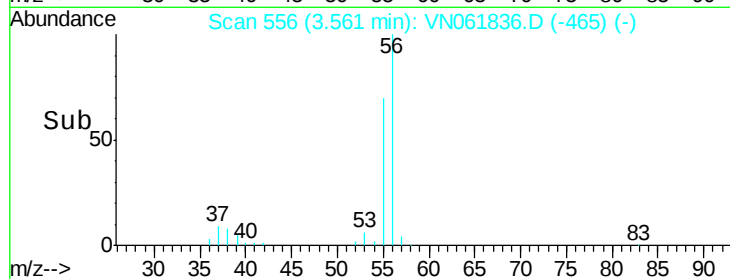
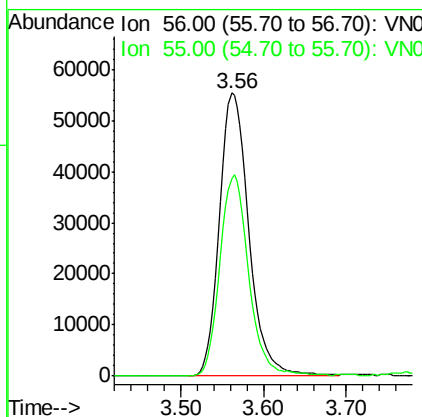
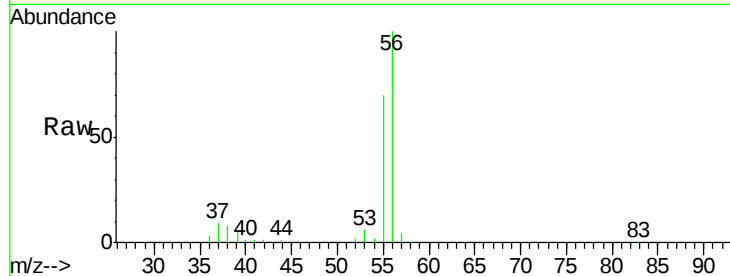
#13
Acrolein
Concen: 1127.169 ug/l
RT: 3.56 min Scan# 556
Delta R.T. -0.01 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	137049
Ion Ratio	100	Lower	Upper
55	69.4	56.2	84.4

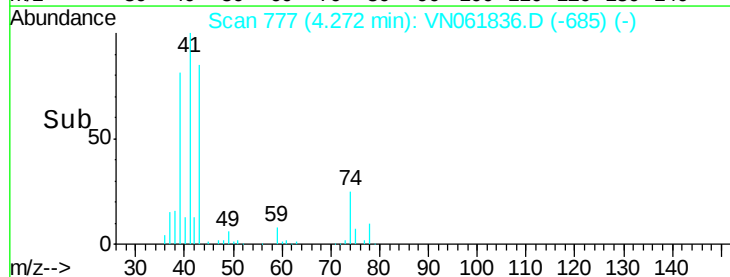
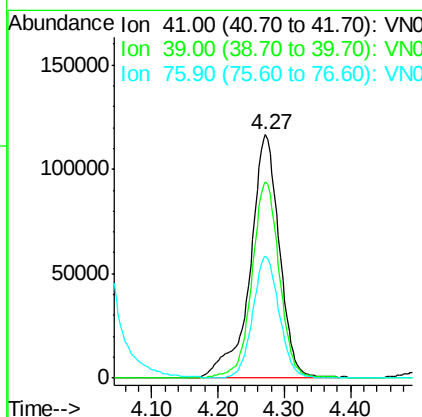
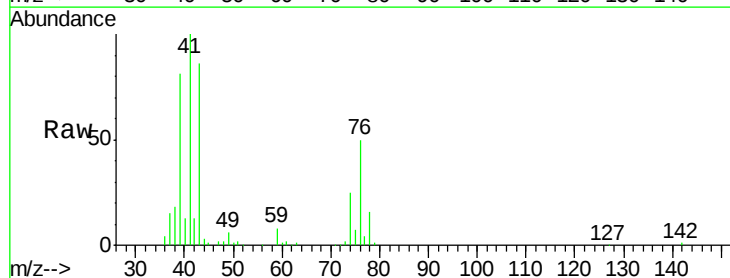
Manual Integrations
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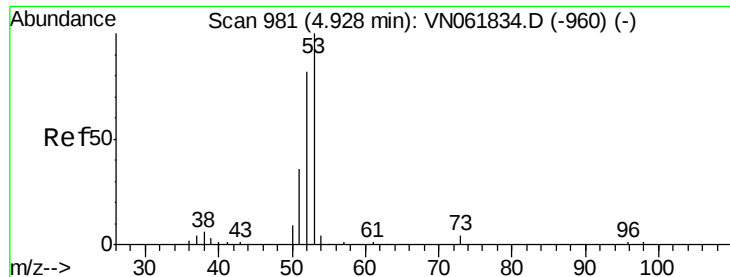
MMDadoda
6/17/2020 3:45:03 PM



#14
Allyl chloride
Concen: 158.384 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	41	Resp	358531
Ion Ratio	100	Lower	Upper
39	75.2	60.2	90.2
76	44.1	36.3	54.5





#15

Acrylonitrile

Concen: 828.581 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

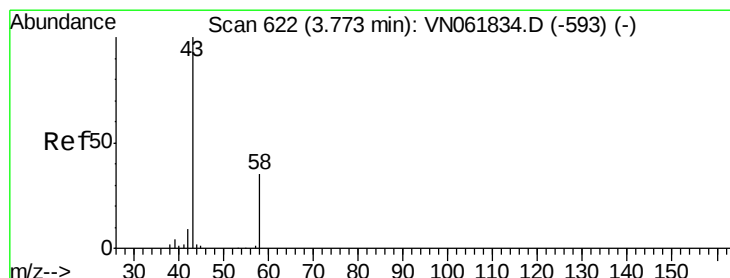
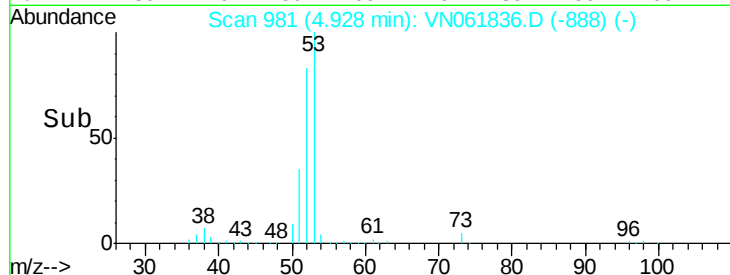
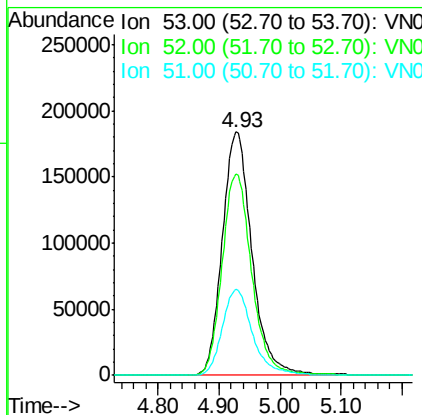
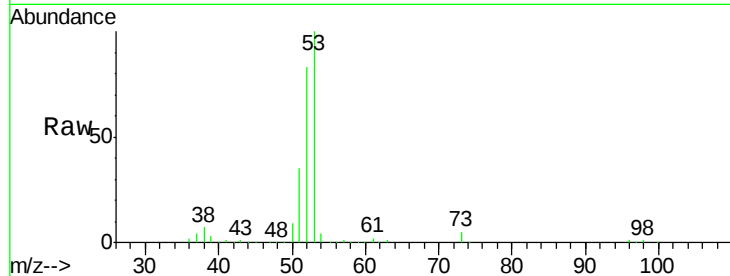
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	621092
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.2	97.8
51	36.3	29.3	43.9

Manual Integrations
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MMDadoda
6/17/2020 3:45:03 PM



#16

Acetone

Concen: 646.365 ug/l

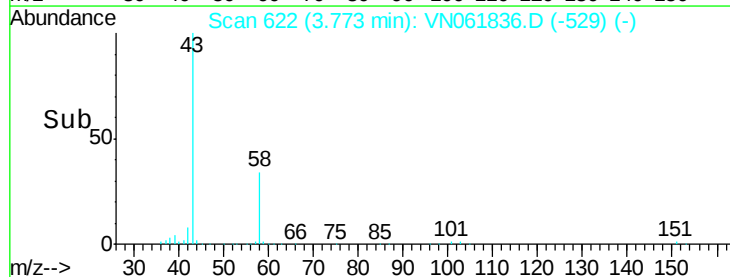
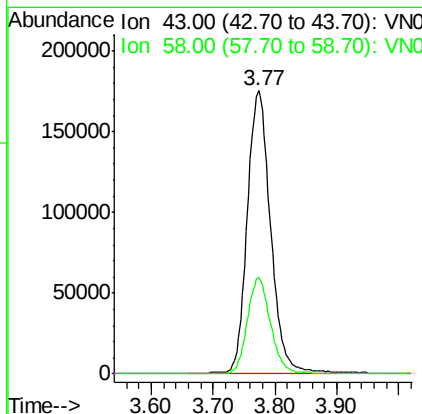
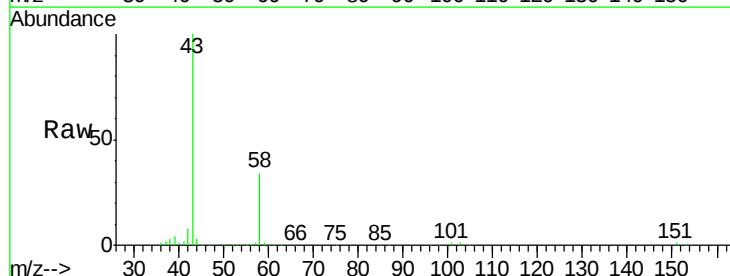
RT: 3.77 min Scan# 622

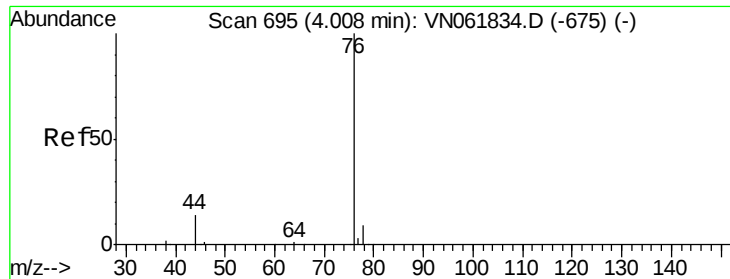
Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Tgt Ion:	43	Resp:	462199
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.8	41.8





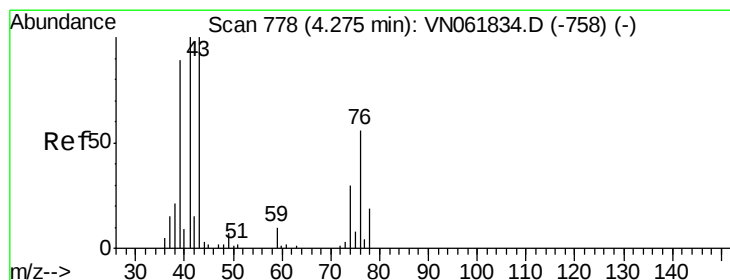
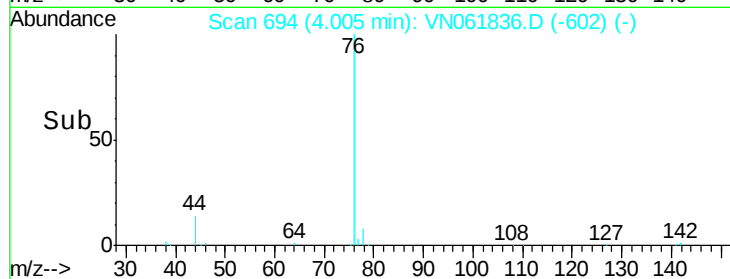
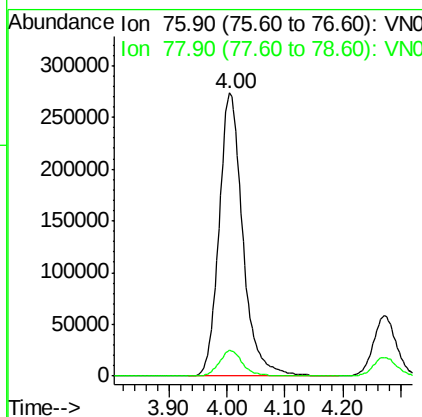
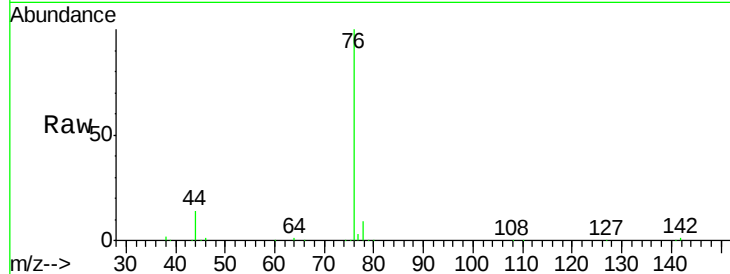
#17
Carbon Disulfide
Concen: 193.379 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

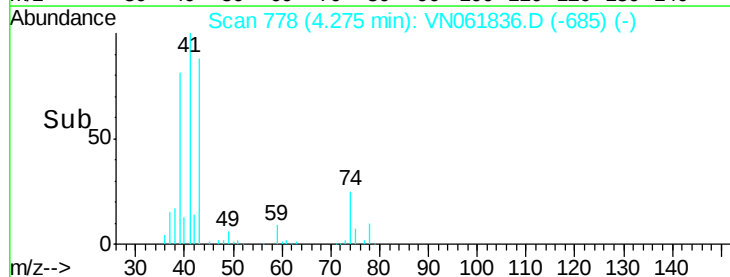
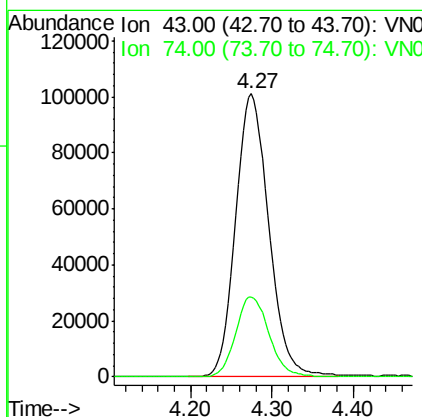
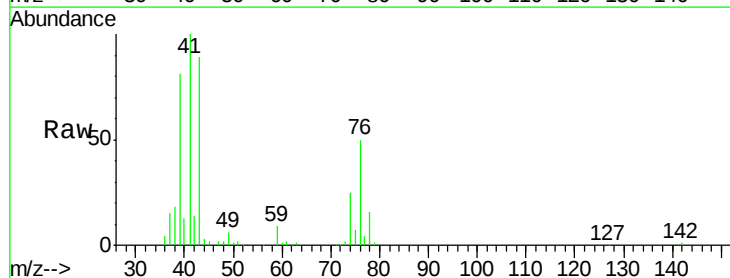
Manual Integrations
APPROVED

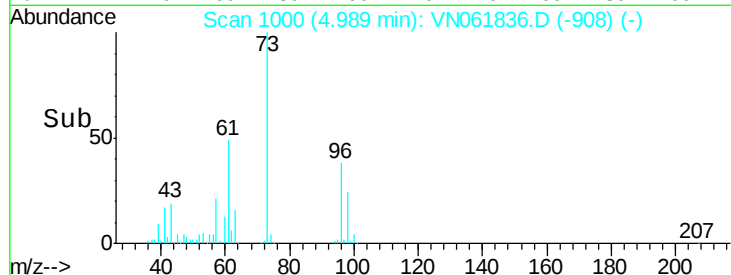
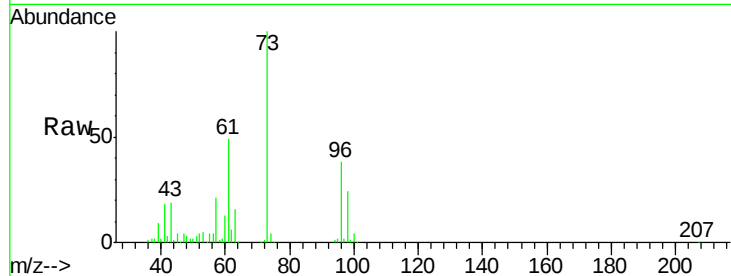
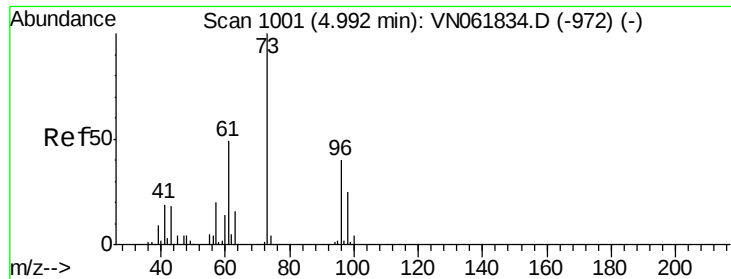
MMDadoda
6/17/2020 3:45:03 PM



#18
Methyl Acetate
Concen: 155.337 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.5	23.0	34.4





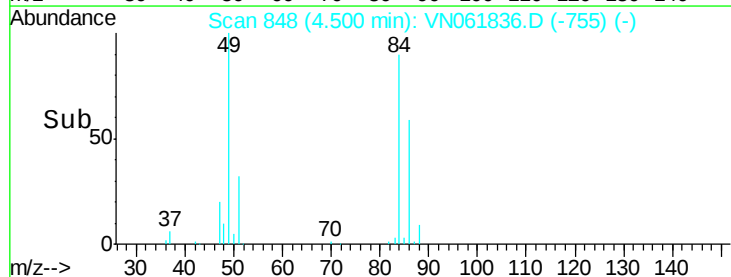
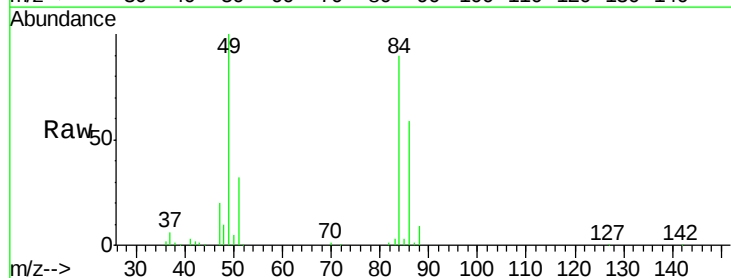
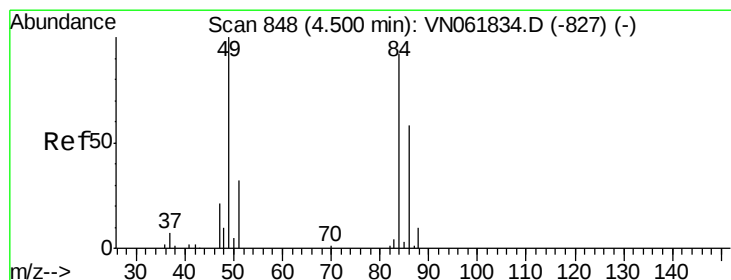
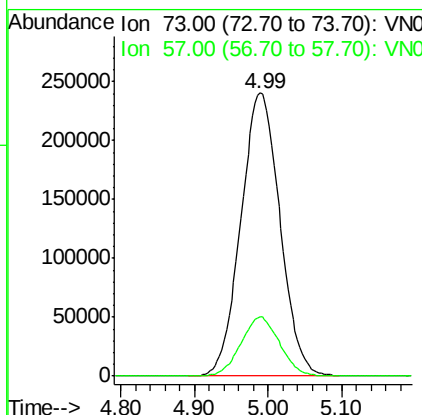
#19
Methyl tert-butyl Ether
Concen: 151.808 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tot Ion: 73 Resp: 889611
Ion Ratio Lower Upper
73 100
57 21.1 16.2 24.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

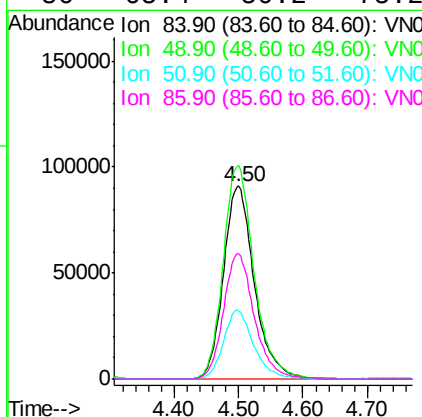
Manual Integrations
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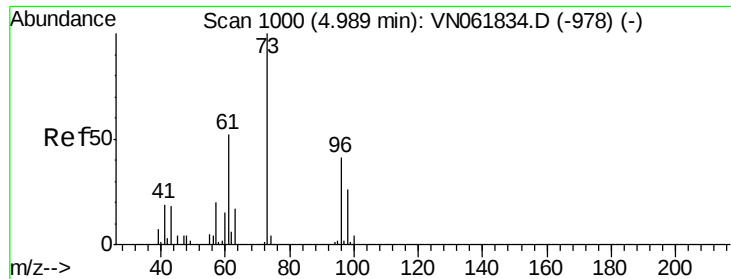
MMDadoda
6/17/2020 3:45:03 PM



#20
Methylene Chloride
Concen: 122.500 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion: 84 Resp: 303877
Ion Ratio Lower Upper
84 100
49 110.8 87.0 130.4
51 35.4 27.8 41.6
86 65.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 151.674 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

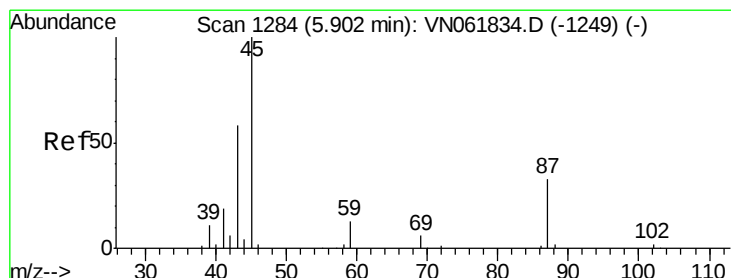
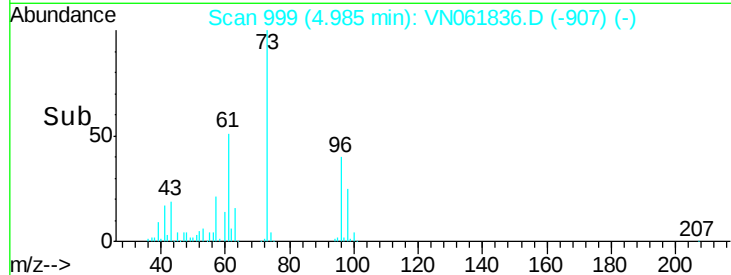
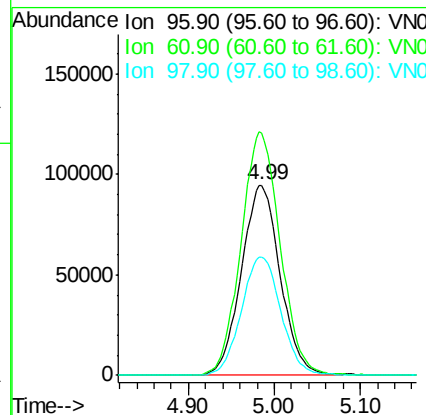
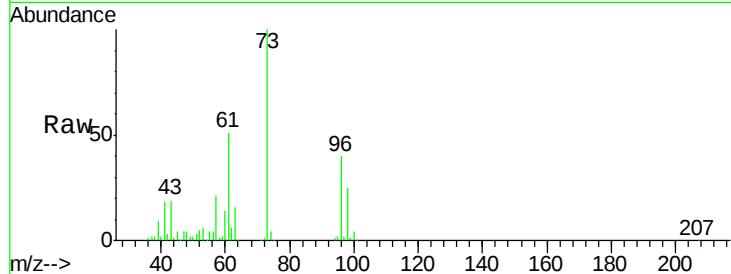
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	297108
Ion	Ratio	Lower	Upper
96	100		
61	127.7	102.2	153.4
98	62.3	51.2	76.8

Manual Integrations
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MMDadoda
6/17/2020 3:45:03 PM



#22

Diisopropyl ether

Concen: 167.763 ug/l

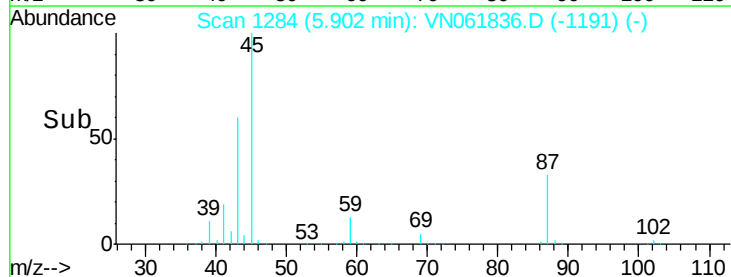
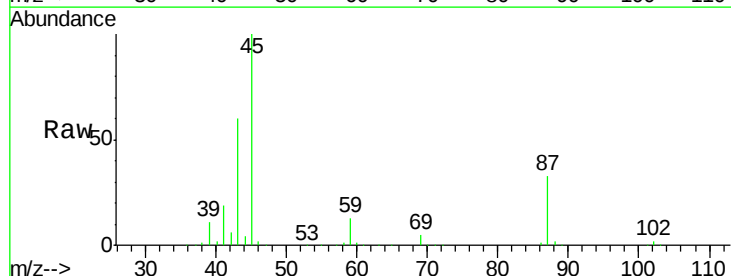
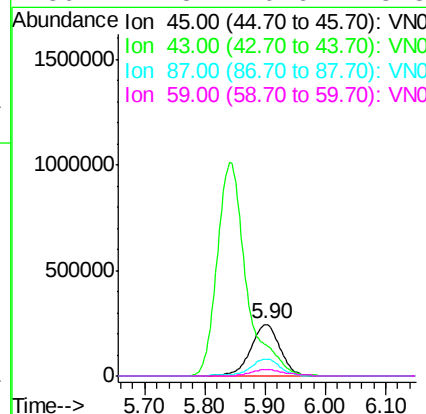
RT: 5.90 min Scan# 1284

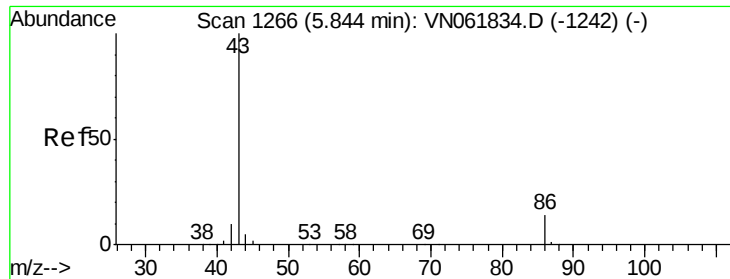
Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Tgt Ion:	45	Resp:	834684
Ion	Ratio	Lower	Upper
45	100		
43	59.6	49.4	74.2
87	32.9	27.4	41.0
59	12.8	10.6	15.8





#23

Vinyl Acetate

Concen: 859.061 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3401533

Ion Ratio Lower Upper

43 100

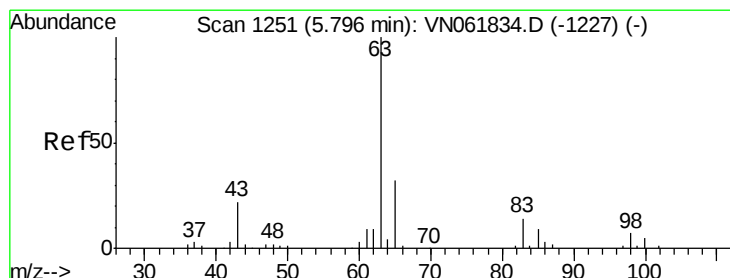
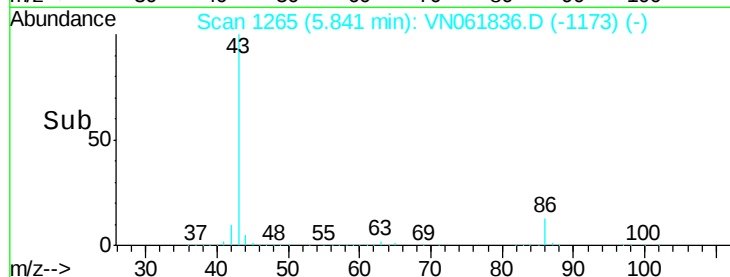
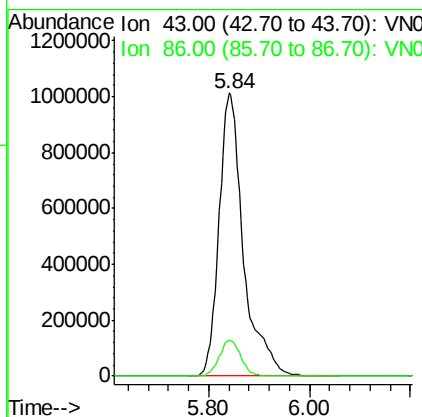
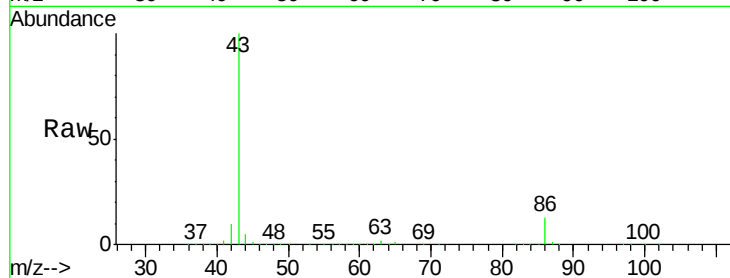
86 12.6 10.9 16.3

Manual Integrations

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MMDadoda

6/17/2020 3:45:03 PM



#24

1,1-Dichloroethane

Concen: 159.507 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

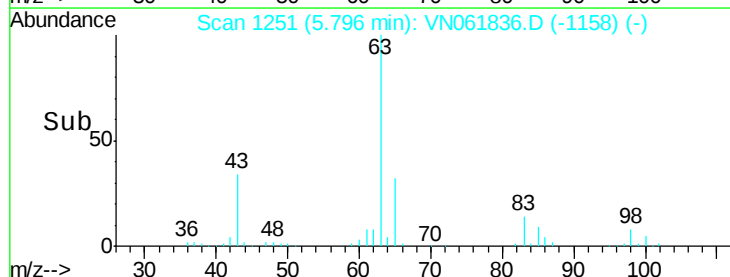
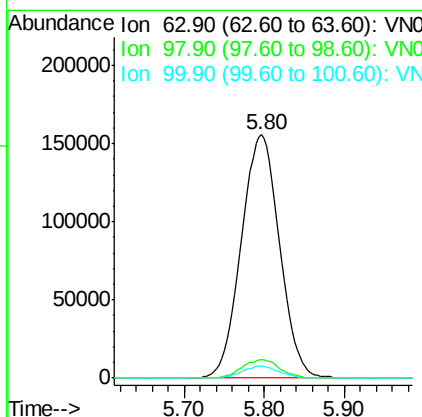
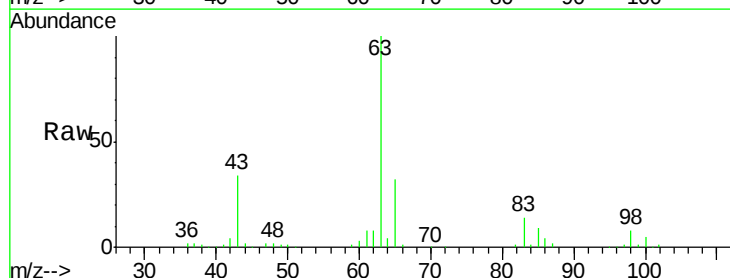
Tgt Ion: 63 Resp: 506662

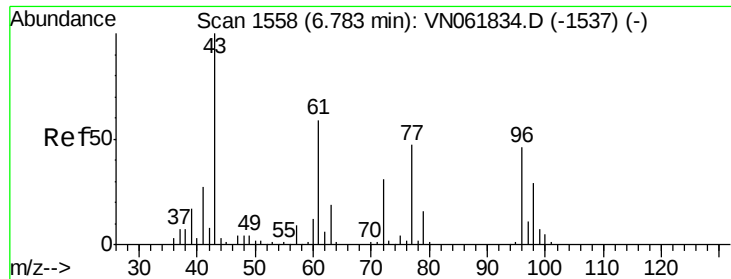
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 4.8 2.5 7.4





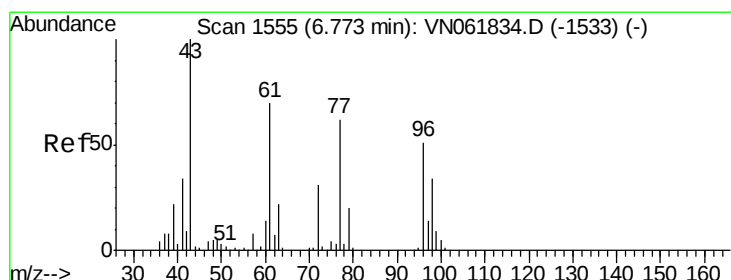
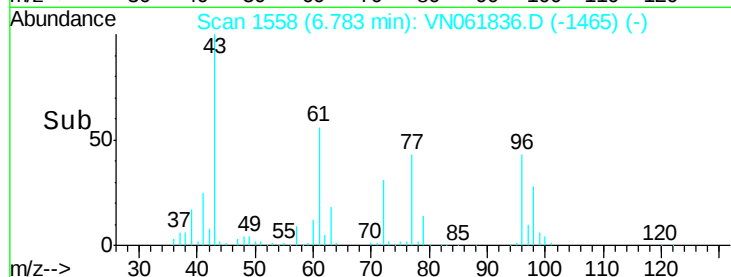
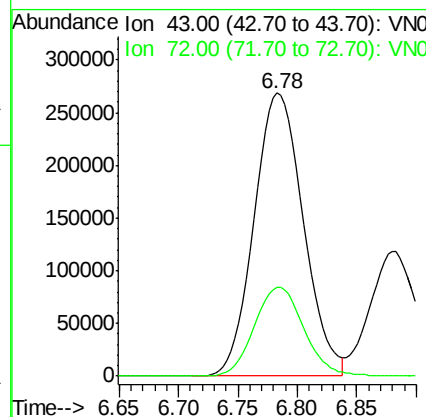
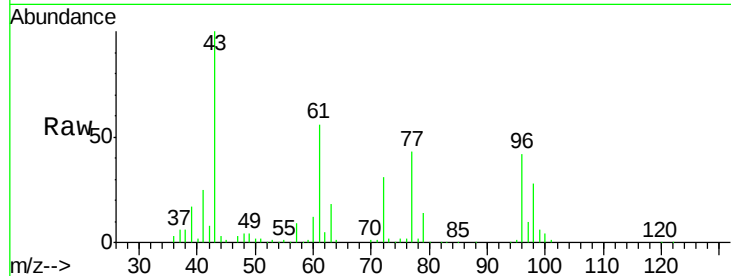
#25
2-Butanone
Concen: 804.916 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 768869
Ion Ratio Lower Upper
43 100
72 31.3 24.6 37.0

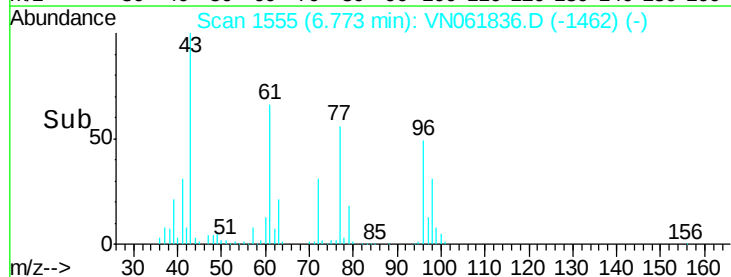
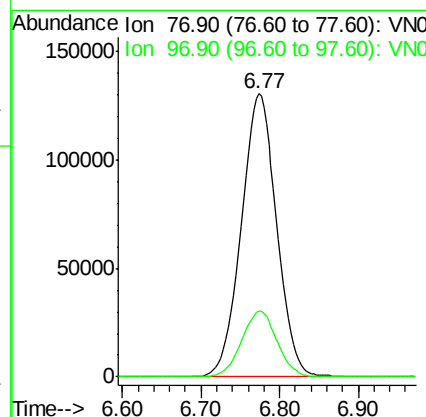
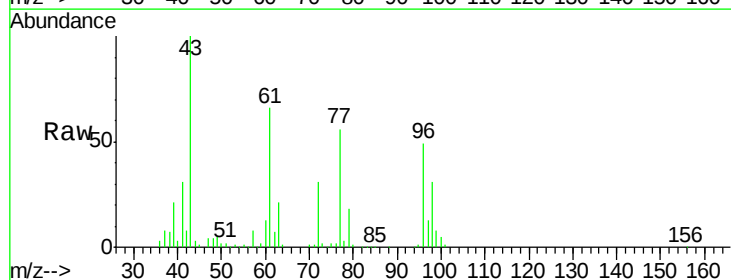
Manual Integrations
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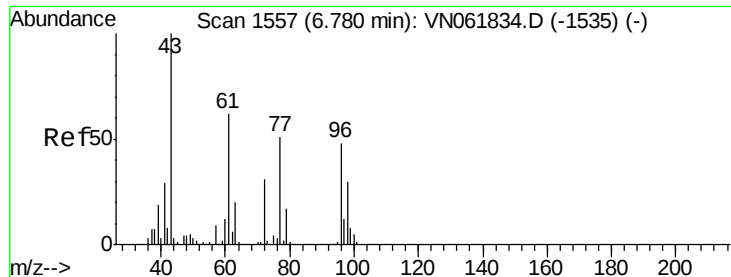
MMDadoda
6/17/2020 3:45:03 PM



#26
2,2-Dichloropropane
Concen: 142.924 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion: 77 Resp: 411471
Ion Ratio Lower Upper
77 100
97 23.3 11.7 35.0





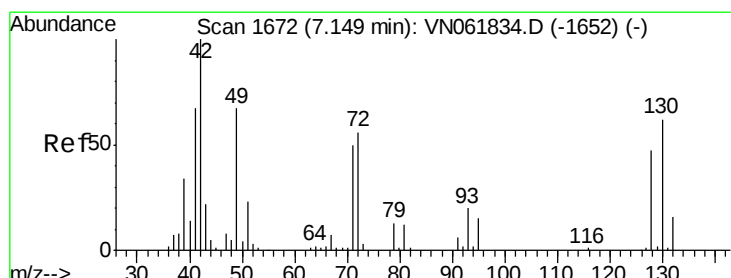
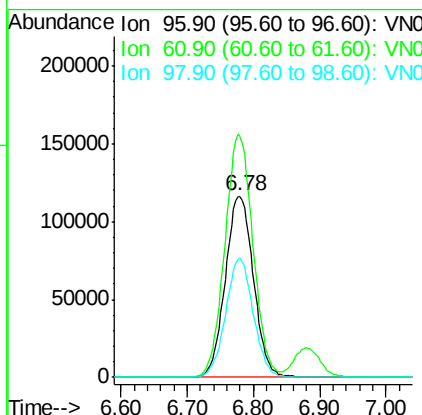
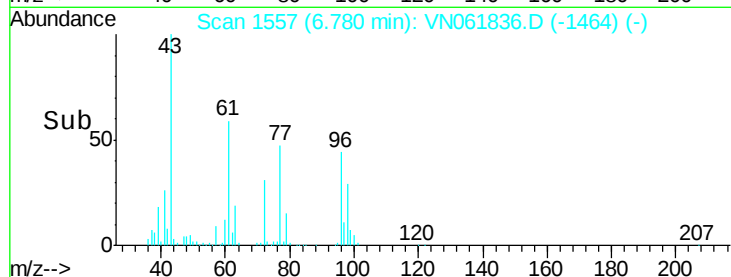
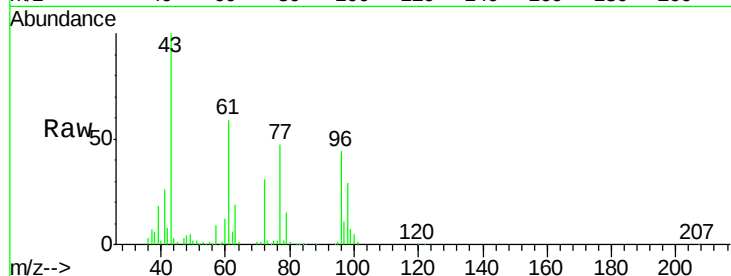
#27
 cis-1,2-Dichloroethene
 Concen: 156.269 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	344357		
61	133.3	0.0	265.6	
98	64.0	0.0	128.2	

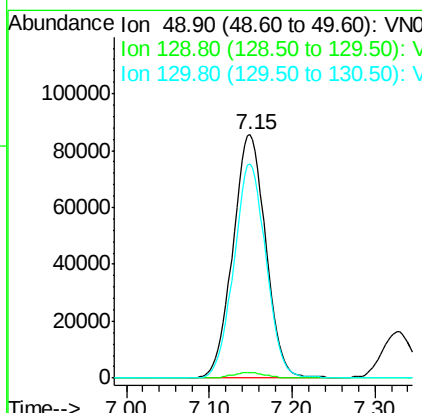
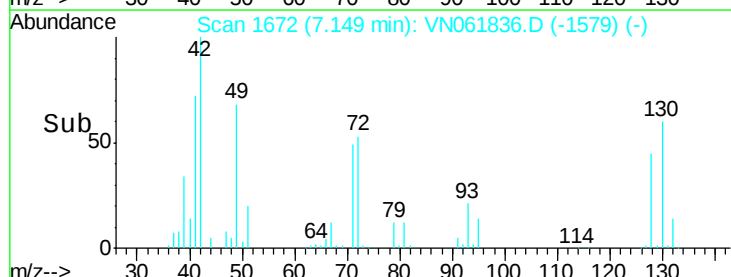
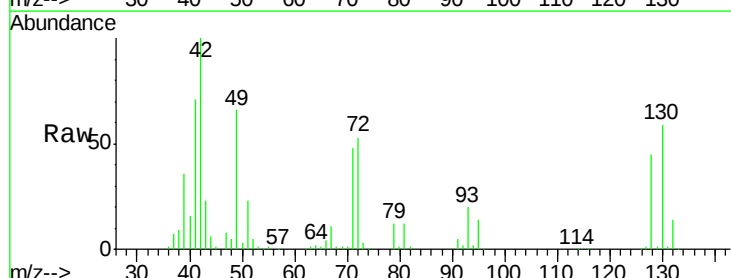
Manual Integrations
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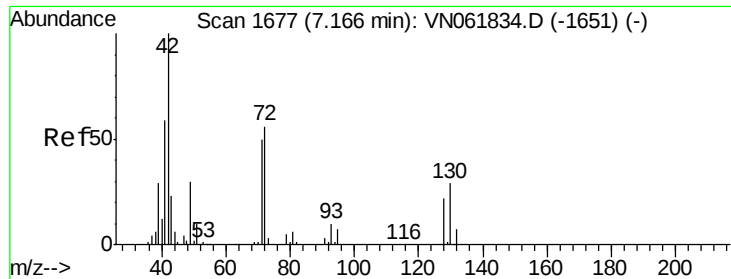
MMDadoda
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#28
 Bromochloromethane
 Concen: 170.299 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	236338		
129	2.2	0.0	4.0	
130	86.2	72.2	108.2	





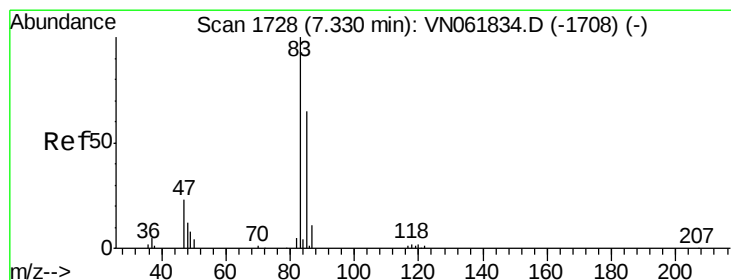
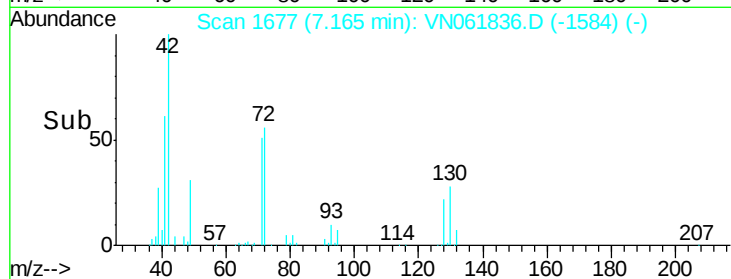
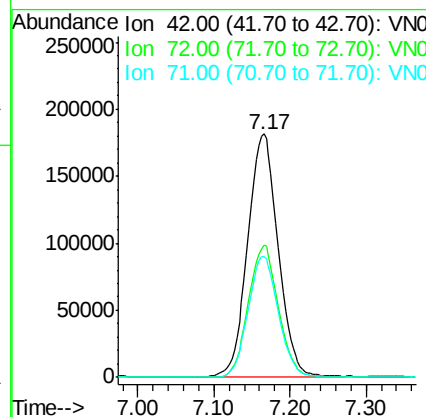
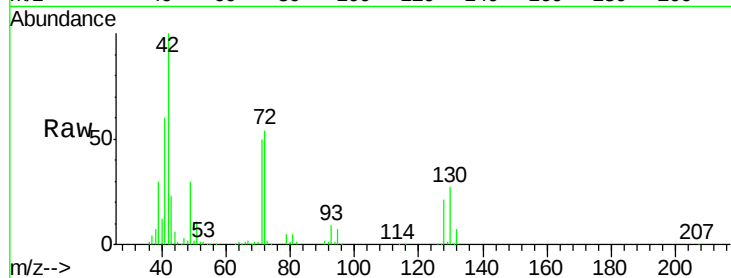
#29
Tetrahydrofuran
Concen: 805.540 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.4	44.0	66.0
71	49.4	40.0	60.0

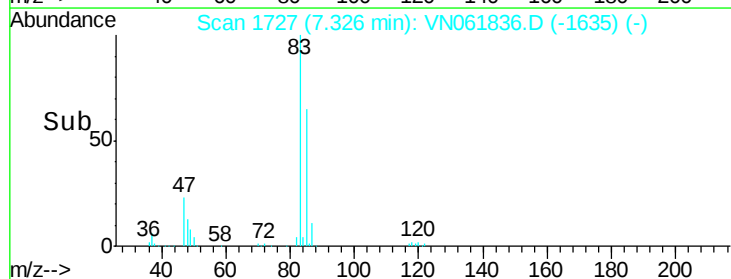
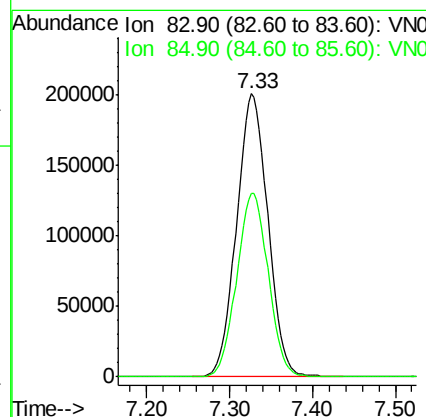
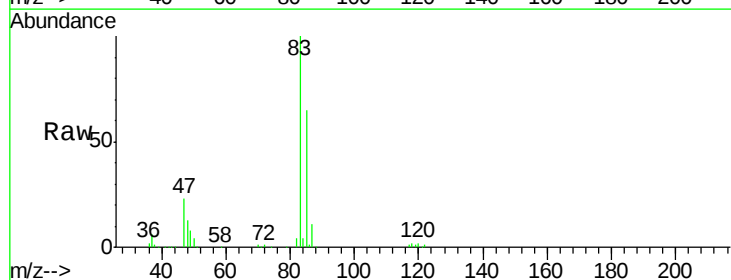
Manual Integrations
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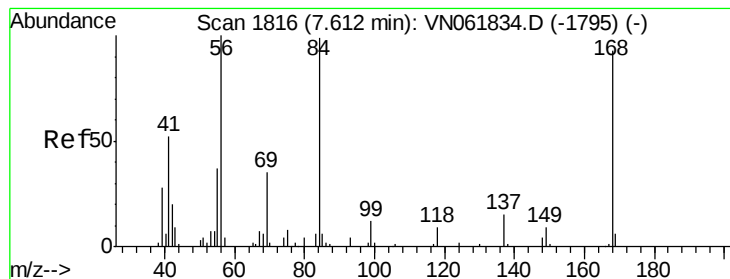
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#30
Chloroform
Concen: 151.102 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.0	78.0





#31

Cvclohexane

Concen: 155.230 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

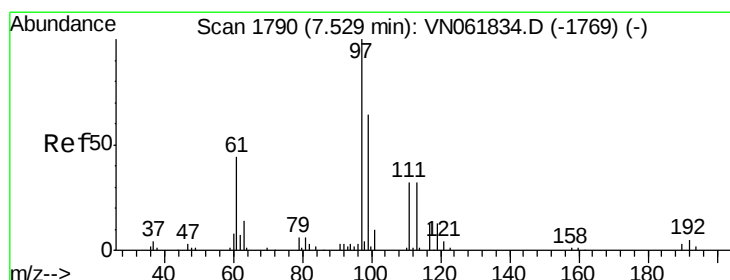
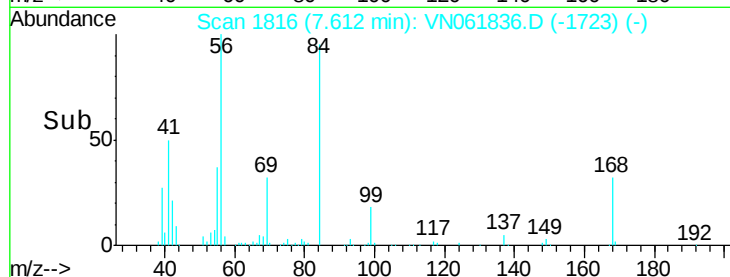
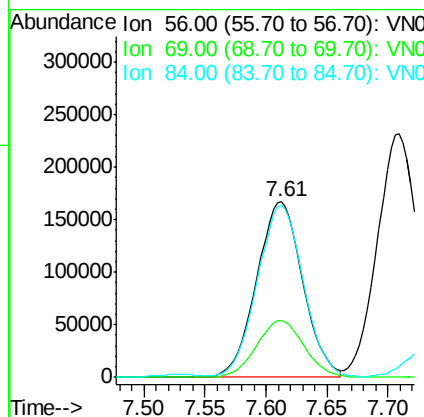
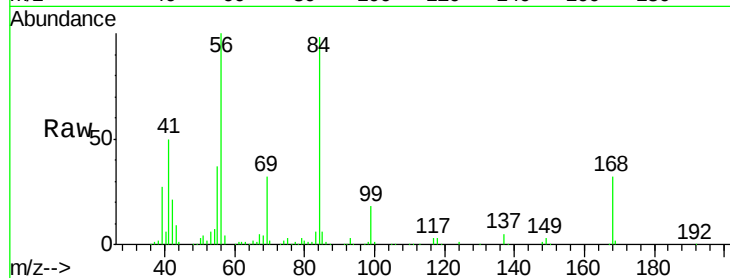
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	439897
Ion	Ratio	Lower	Upper
56	100		
69	32.1	27.7	41.5
84	96.8	79.1	118.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 147.185 ug/l

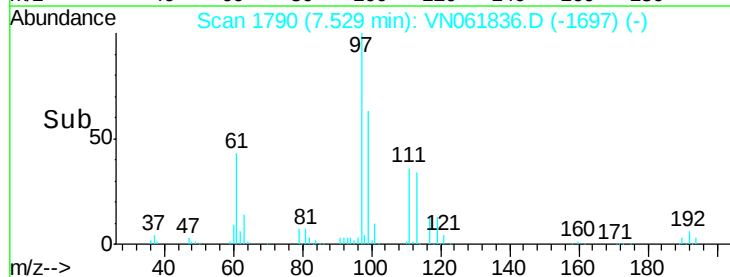
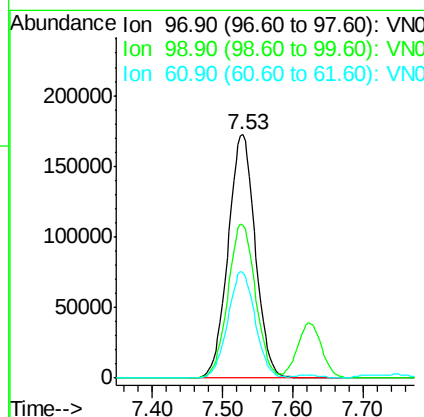
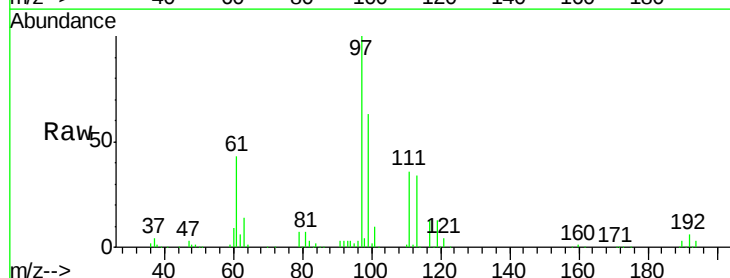
RT: 7.53 min Scan# 1790

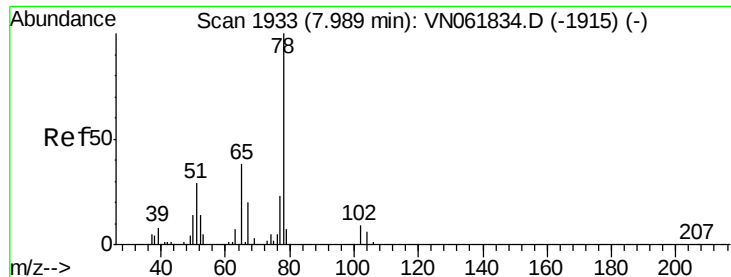
Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Tgt Ion:	97	Resp:	463530
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	44.0	35.1	52.7





#33

1,2-Dichloroethane-d4

Concen: 168.910 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 341336

Ion Ratio Lower Upper

65 100

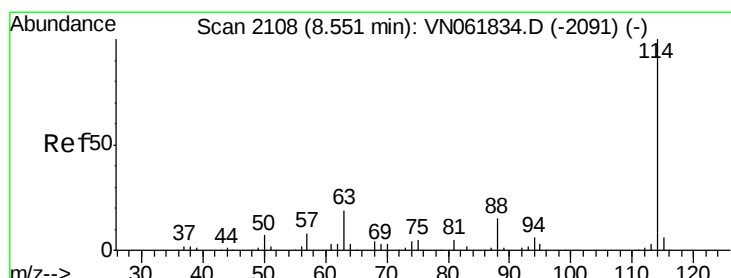
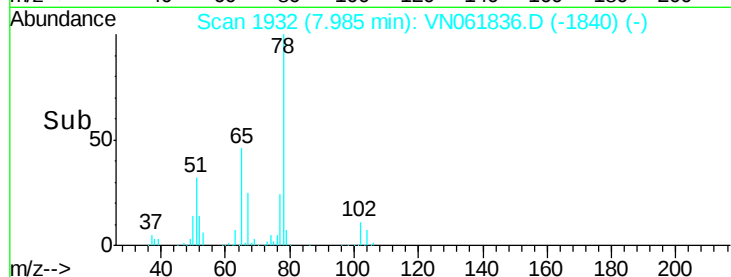
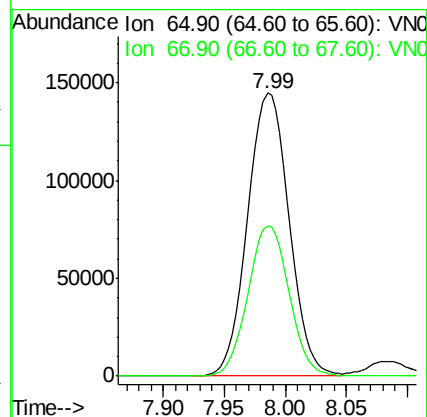
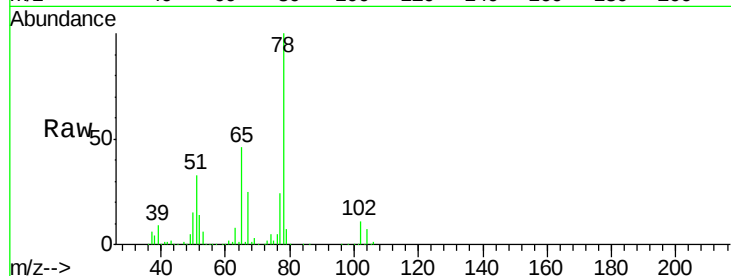
67 52.6 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

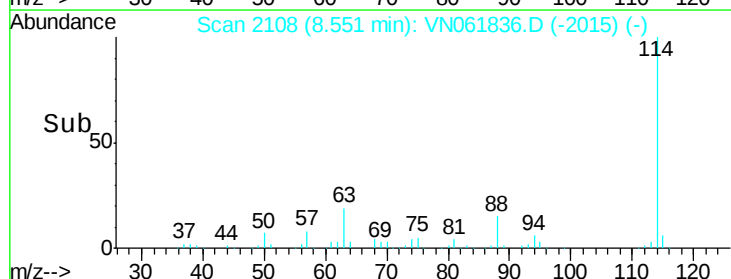
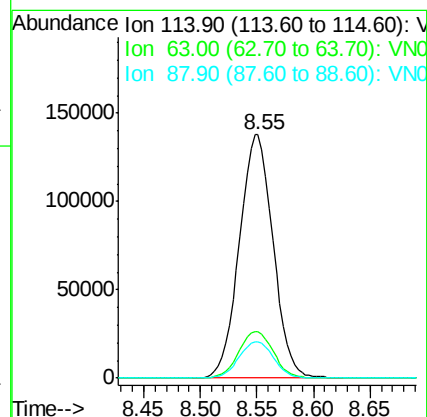
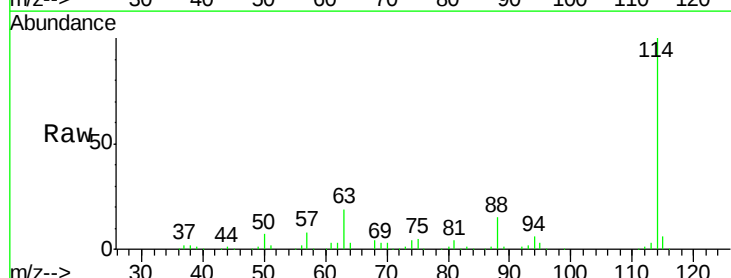
Tgt Ion: 114 Resp: 286922

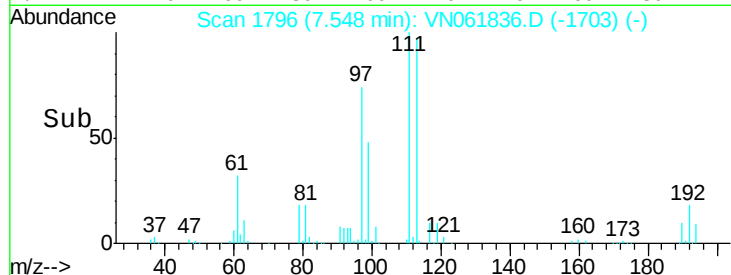
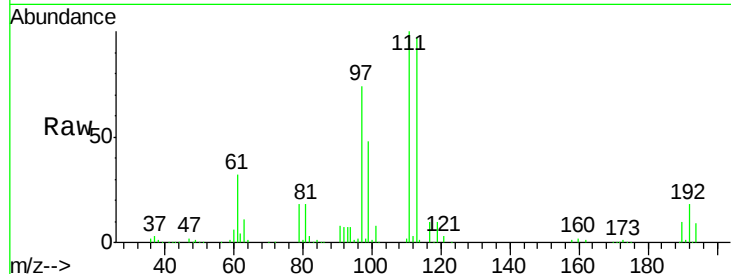
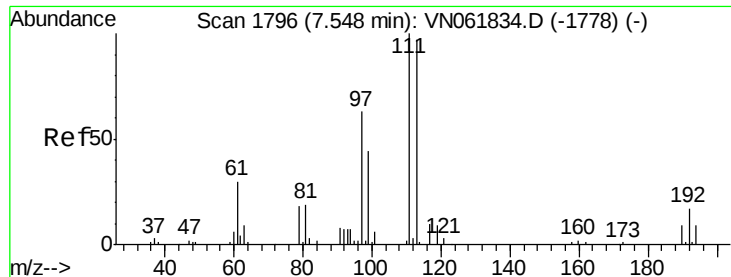
Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.6

88 15.1 0.0 31.0





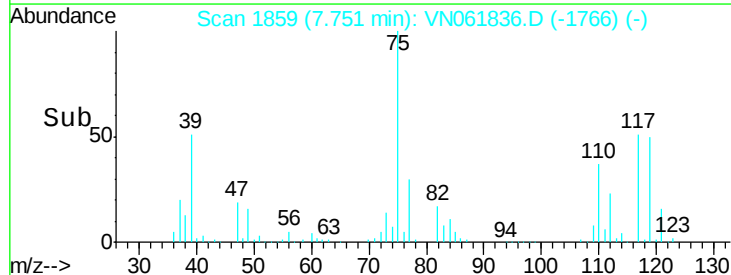
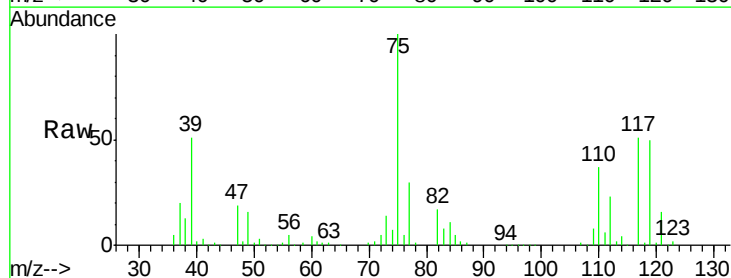
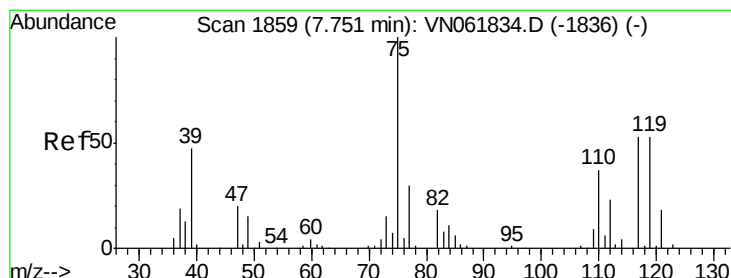
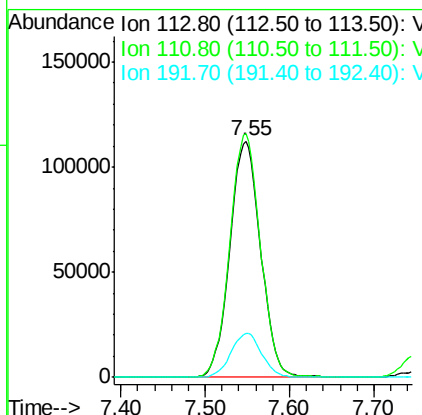
#35
Dibromofluoromethane
Concen: 188.571 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tot Ion	Ratio	Resp	Lower	Upper
113	100	285622		
111	102.4	83.7	125.5	
192	18.6	13.9	20.9	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

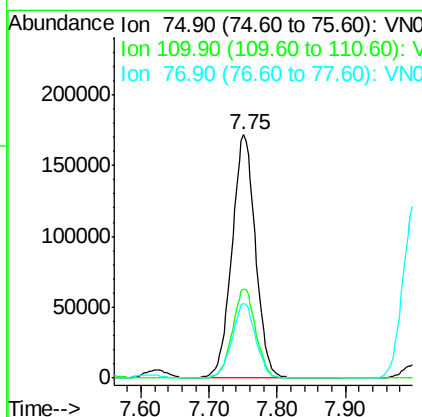
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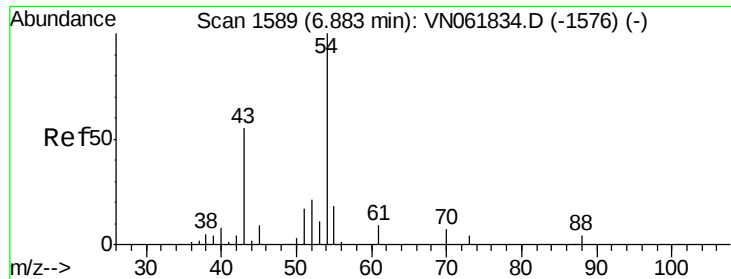
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#36
1,1-Dichloropropene
Concen: 159.777 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	410420		
110	36.3	18.2	54.6	
77	30.9	24.2	36.4	





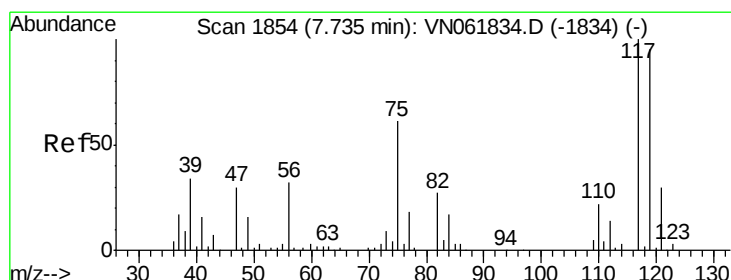
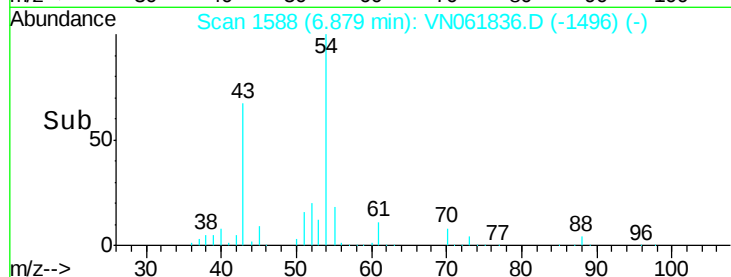
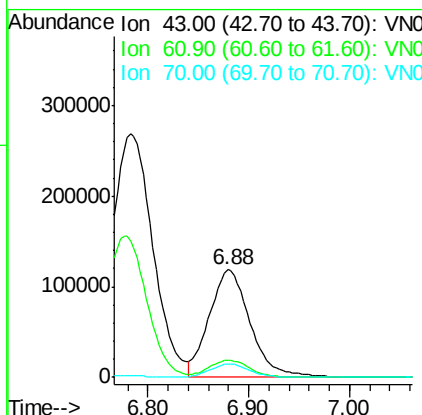
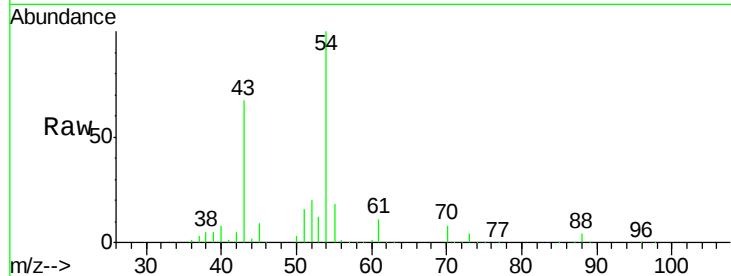
#37
Ethyl Acetate
Concen: 161.272 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.0	19.4
70	12.1	9.4	14.2

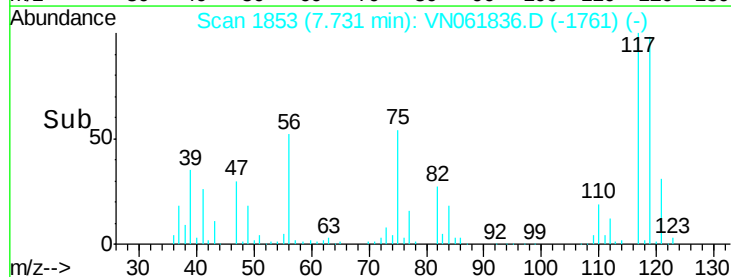
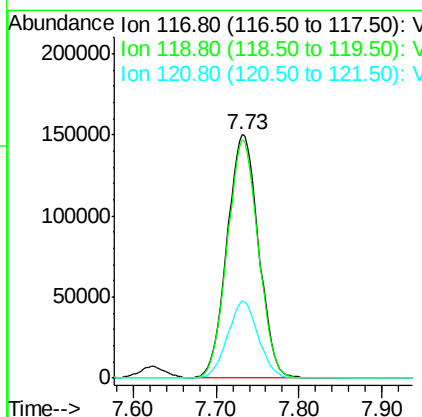
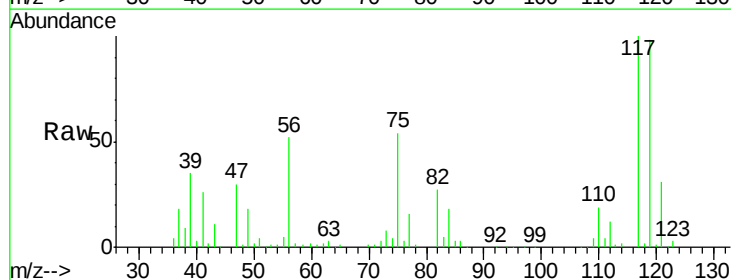
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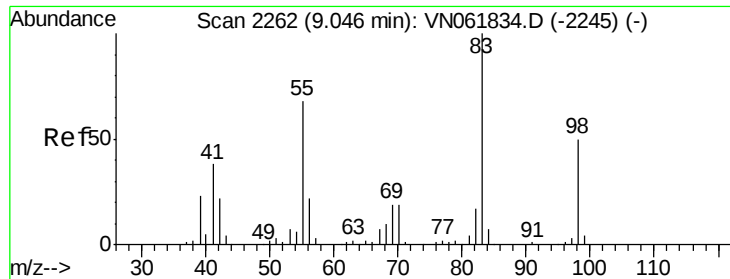
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#38
Carbon Tetrachloride
Concen: 159.412 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	75.8	113.6
121	31.5	23.8	35.6





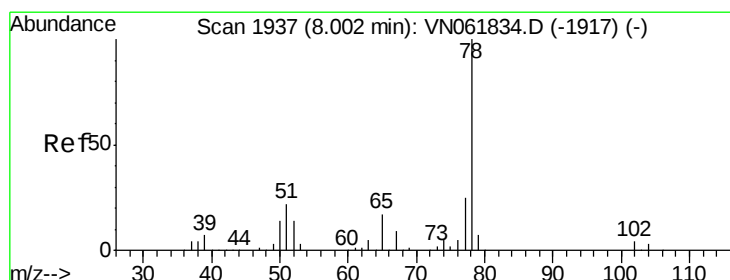
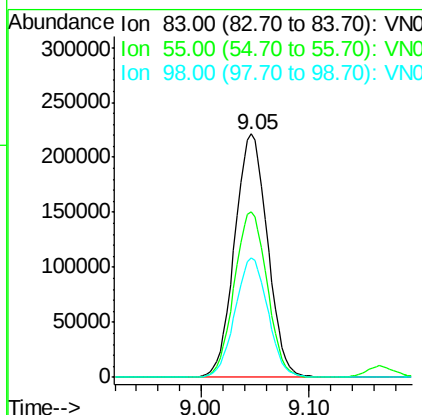
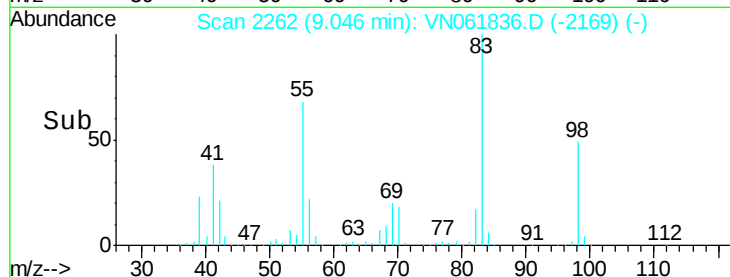
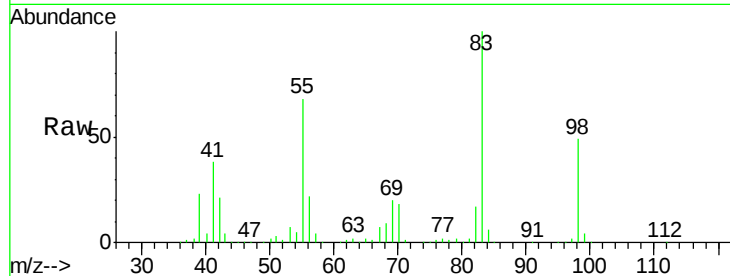
#39
Methvlcvclohexane
Concen: 150.347 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	468129		
55	68.1		54.2	81.4
98	48.8		39.8	59.6

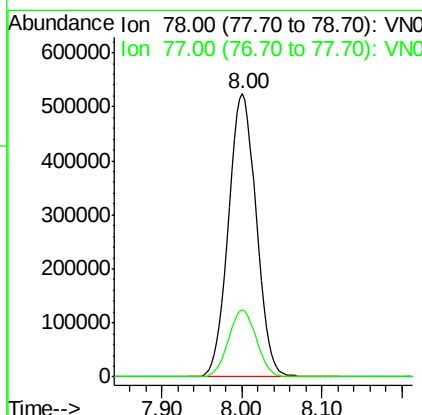
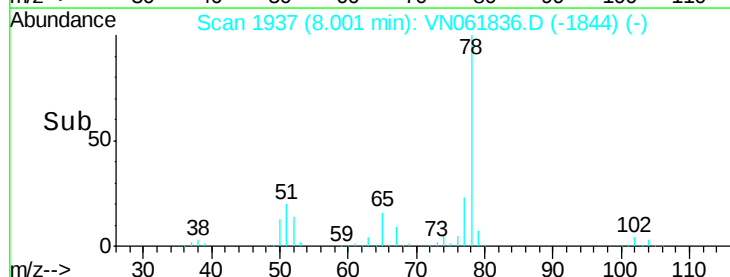
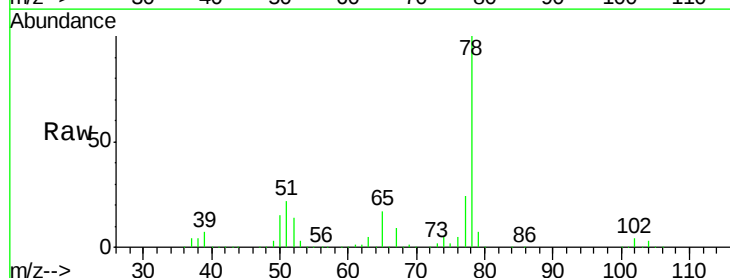
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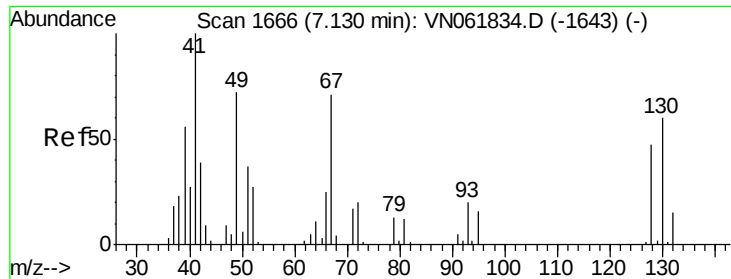
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#40
Benzene
Concen: 156.450 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1236797		
77	23.7		19.7	29.5





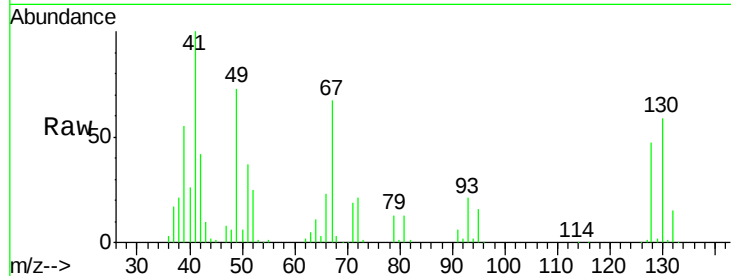
#41
Methacrylonitrile
Concen: 149.333 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

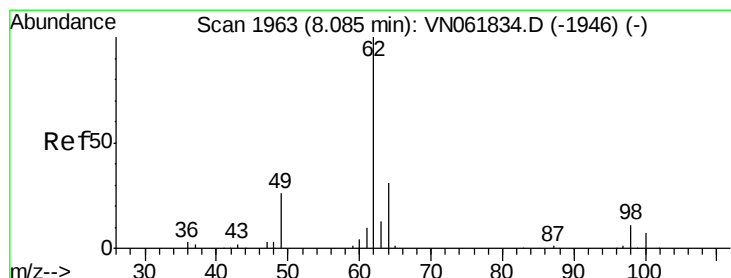
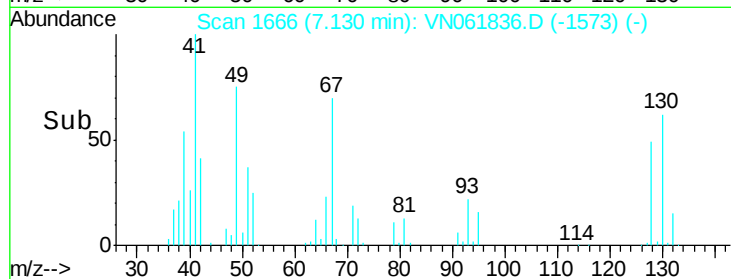
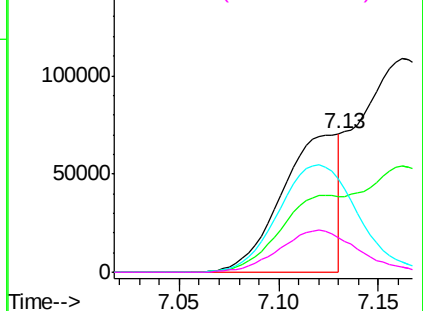
Tot Ion	41	Resp	140050
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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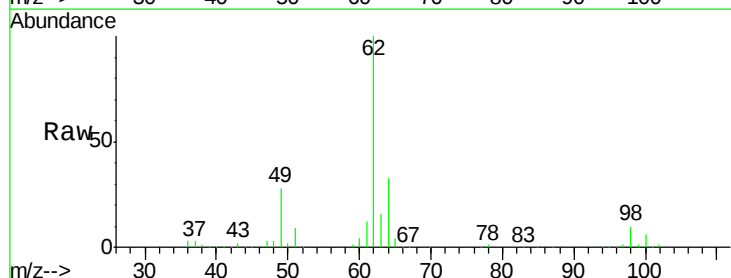


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

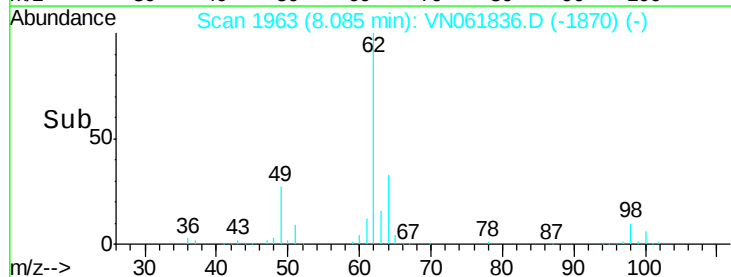
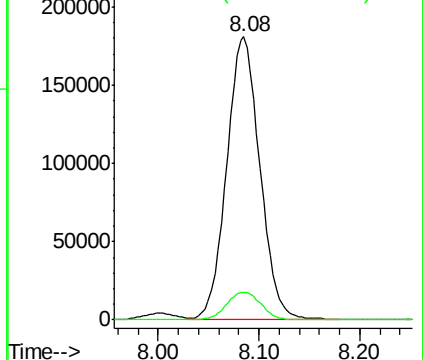


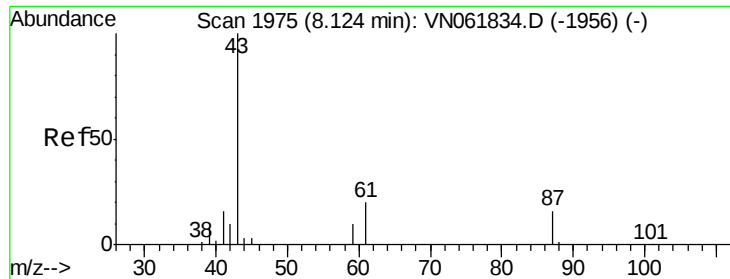
#42
1,2-Dichloroethane
Concen: 155.235 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	62	Resp	412540
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





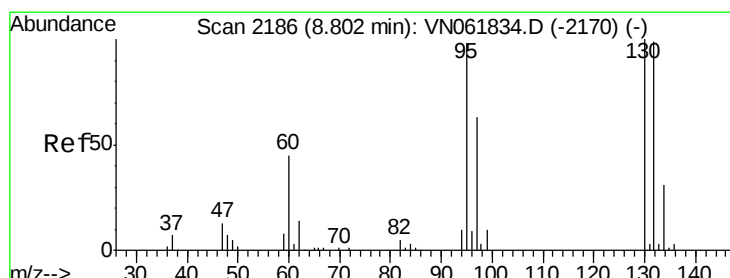
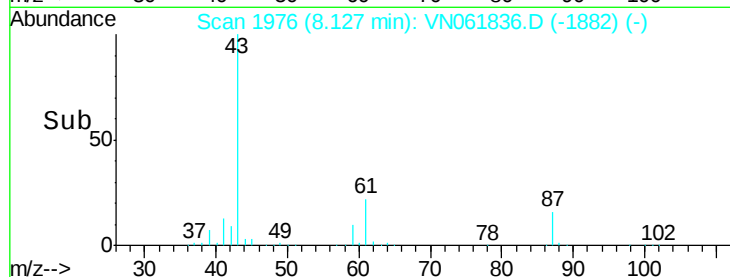
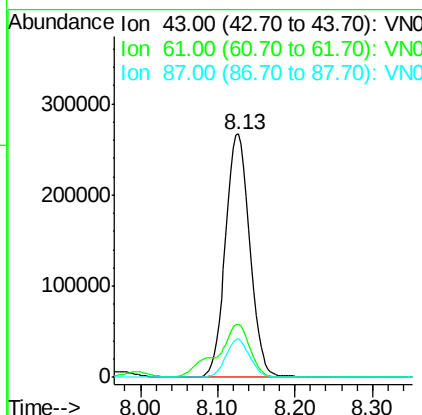
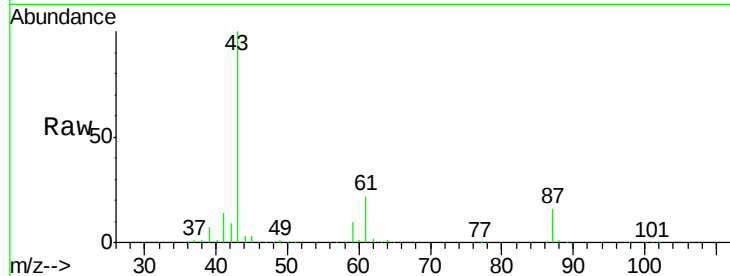
#43
Isopropyl Acetate
Concen: 157.511 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	24.0	36.0#
87	15.4	12.5	18.7

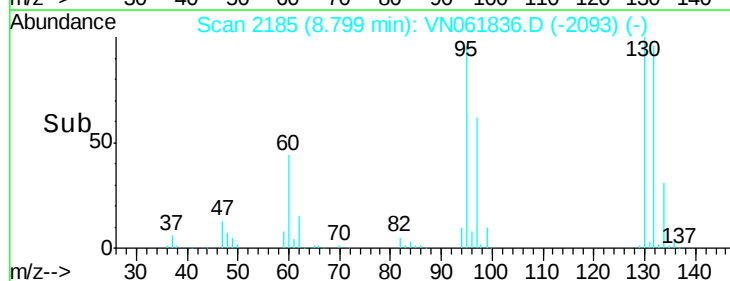
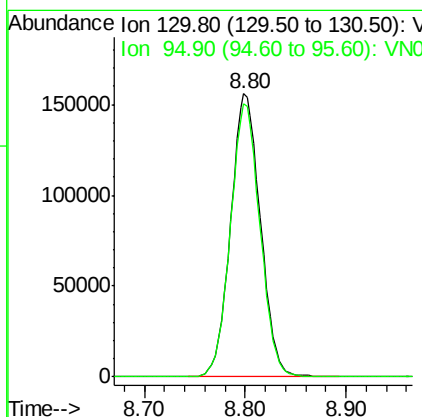
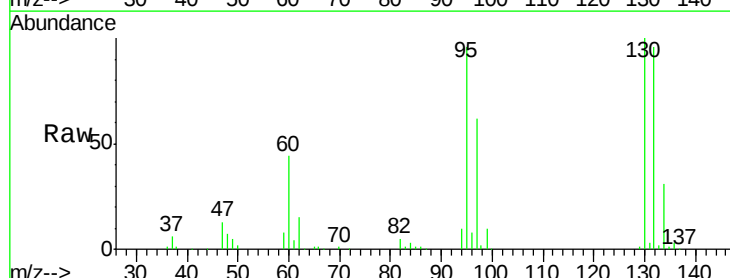
Manual Integrations
APPROVED

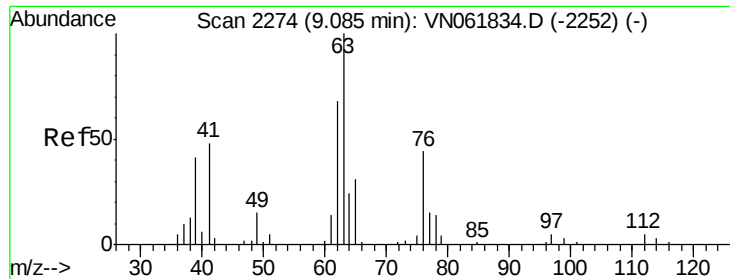
MMDadoda
6/17/2020 3:45:03 PM



#44
Trichloroethene
Concen: 135.615 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	195.6





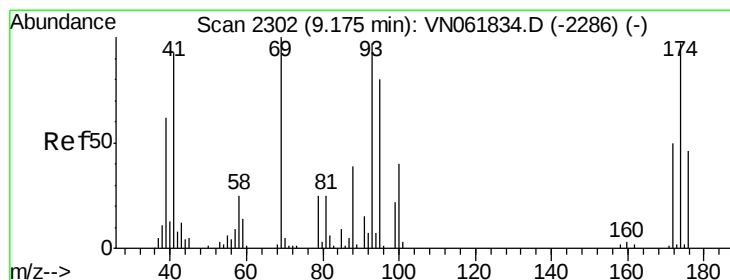
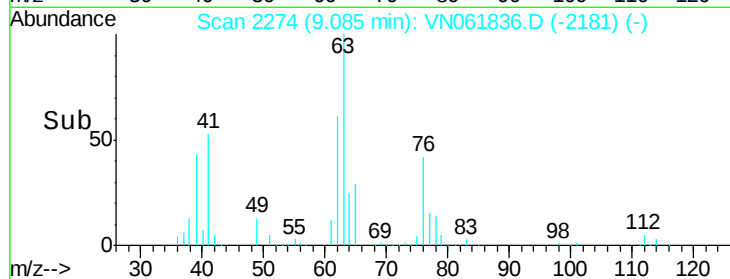
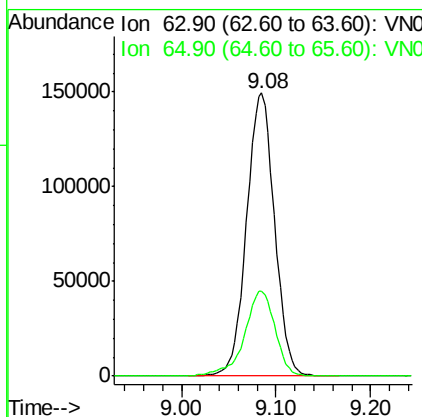
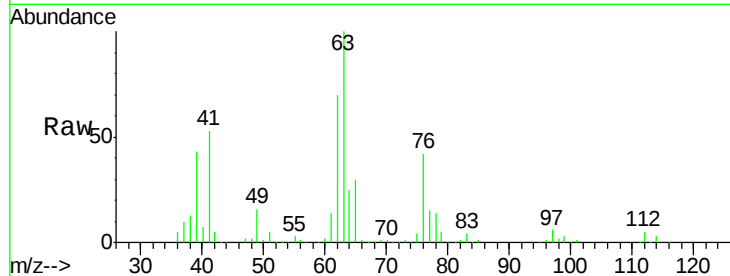
#45
 1,2-Dichloropropane
 Concen: 162.595 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 307188
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.1 37.7

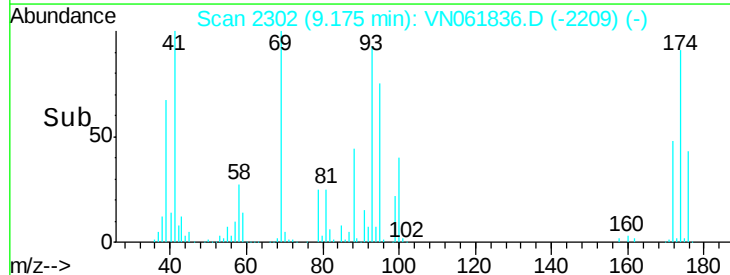
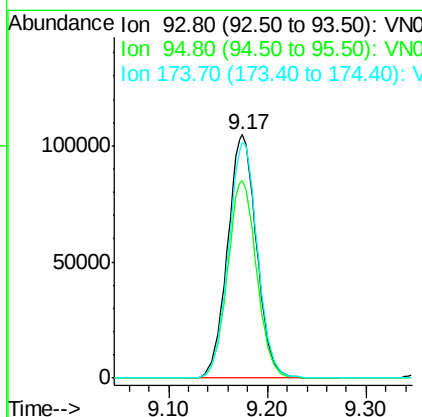
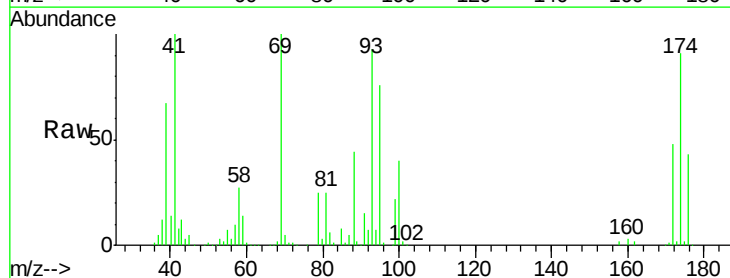
Manual Integrations
 APPROVED

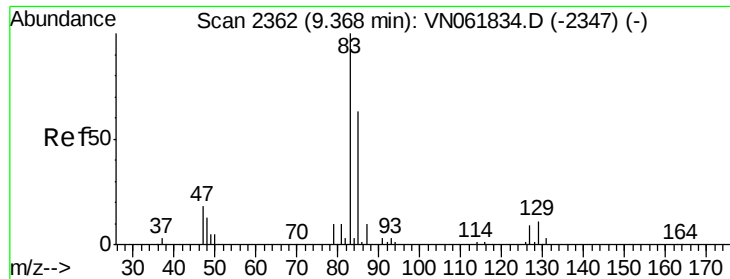
MMDadoda
 6/17/2020 3:45:03 PM



#46
 Dibromomethane
 Concen: 149.890 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Tgt Ion: 93 Resp: 214521
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.8 98.6
 174 96.6 78.5 117.7





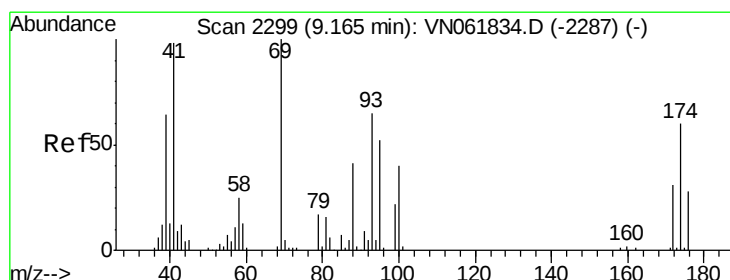
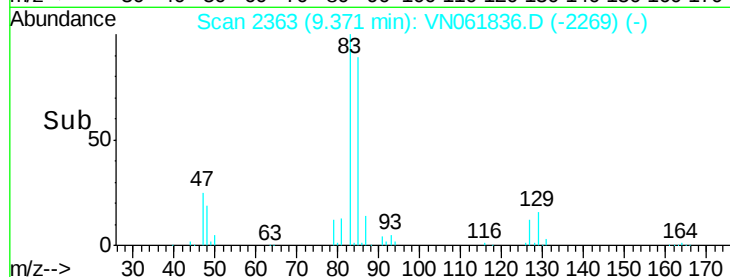
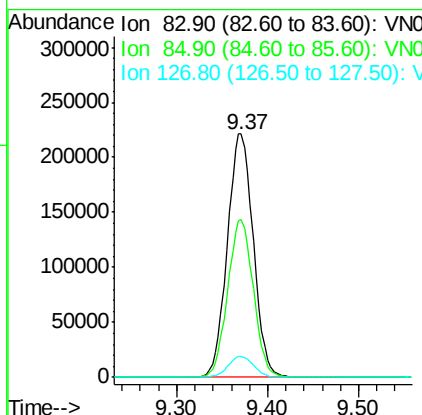
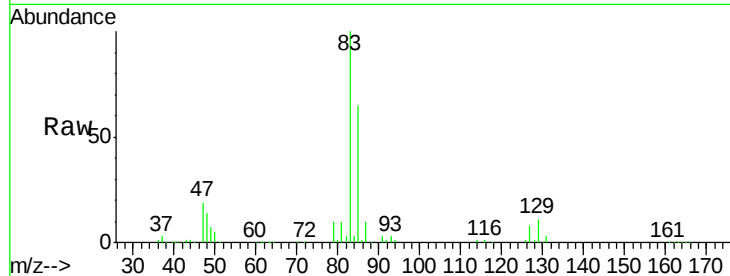
#47
Bromodichloromethane
Concen: 154.532 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.8	76.2
127	8.4	7.0	10.4

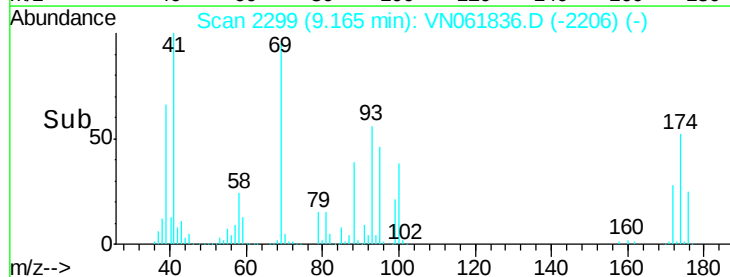
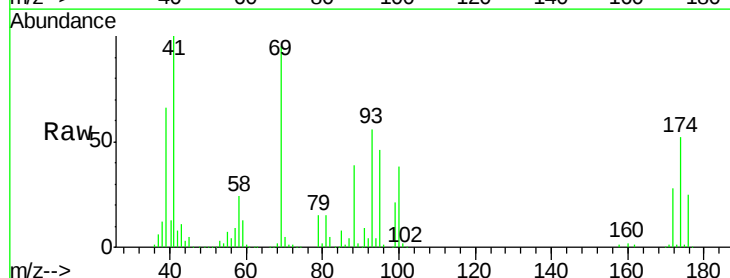
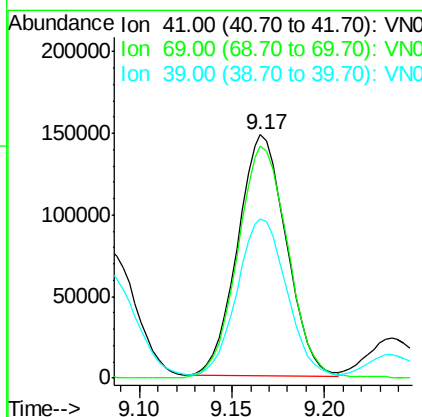
Manual Integrations
APPROVED

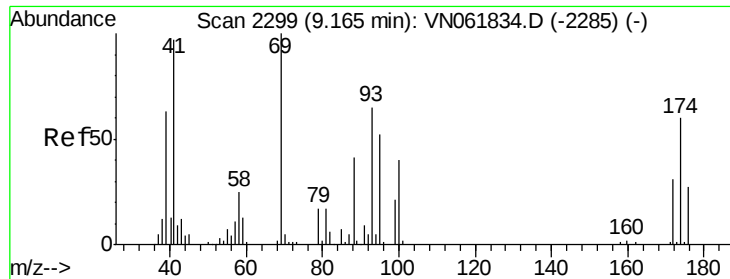
MMDadoda
6/17/2020 3:45:03 PM



#48
Methyl methacrylate
Concen: 161.790 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	100.0	83.0	124.4
39	68.2	55.1	82.7





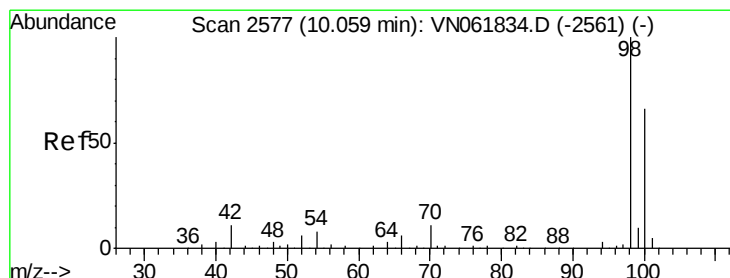
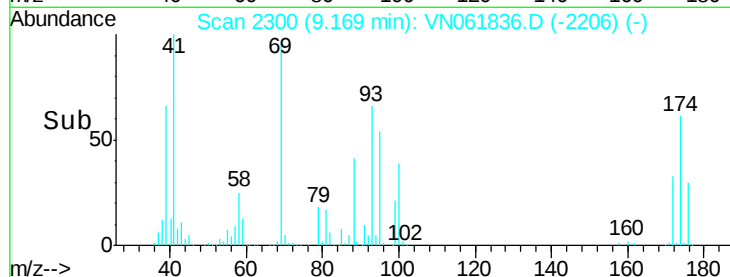
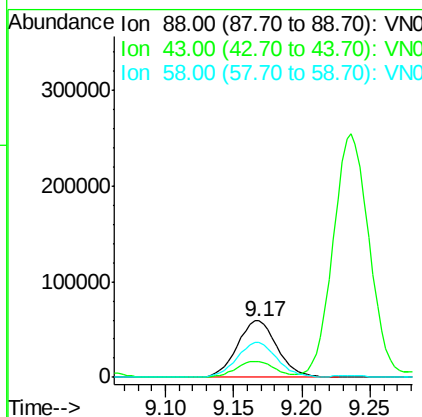
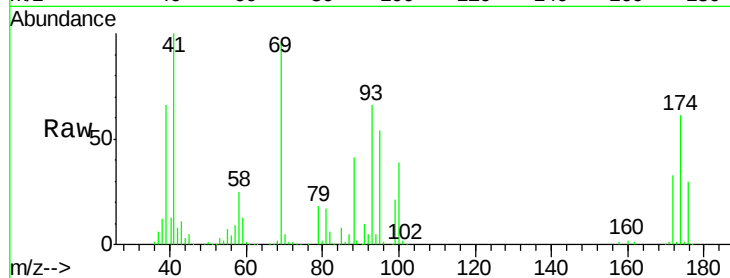
#49
1,4-Dioxane
Concen: 4344.387 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	23.4	35.2
58	61.3	49.8	74.6

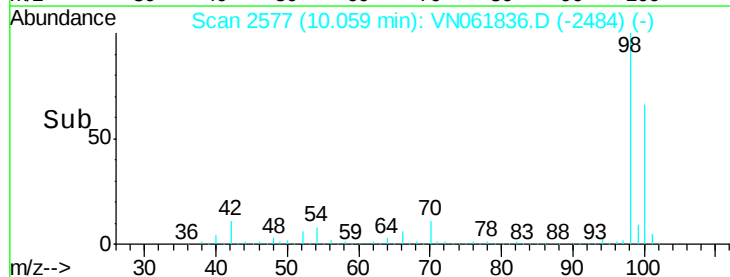
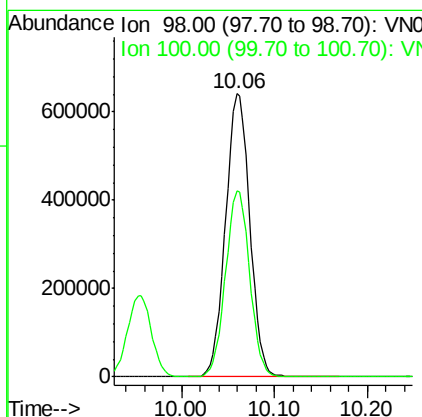
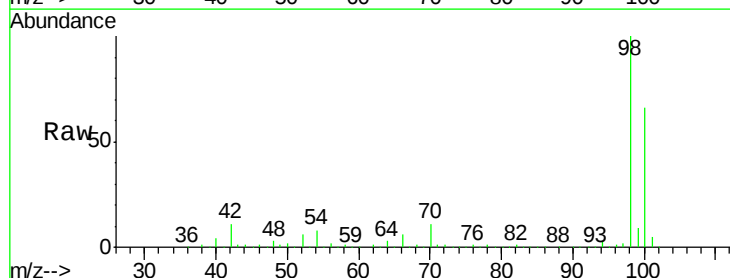
Manual Integrations
APPROVED

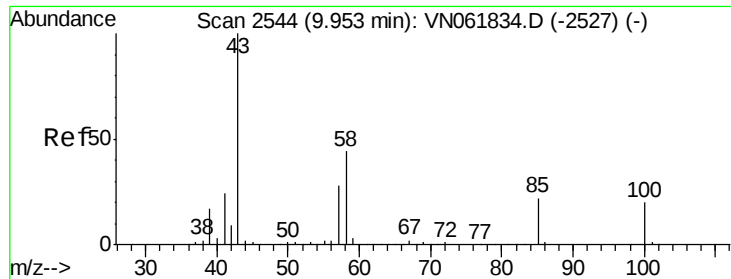
MMDadoda
6/17/2020 3:45:03 PM



#50
Toluene-d8
Concen: 171.941 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 837.156 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1739775

Ion Ratio Lower Upper

43 100

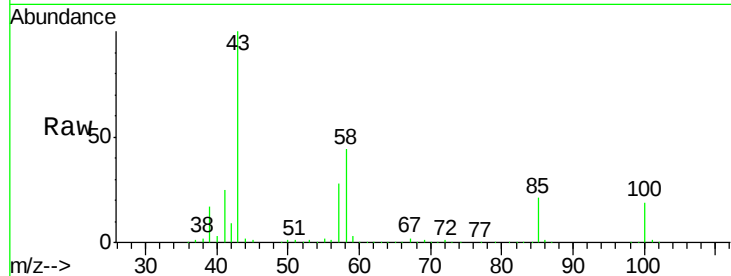
58 43.1 34.6 52.0

Manual Integrations

APPROVED

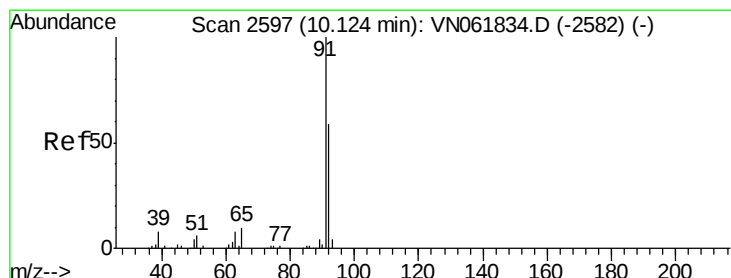
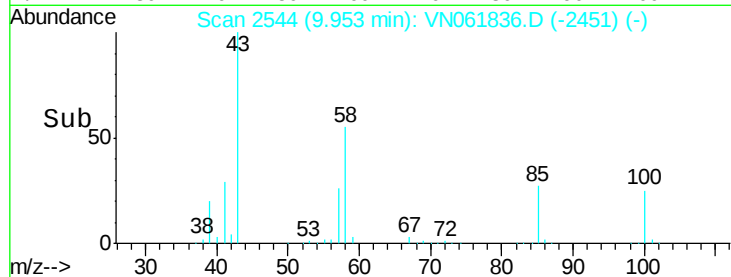
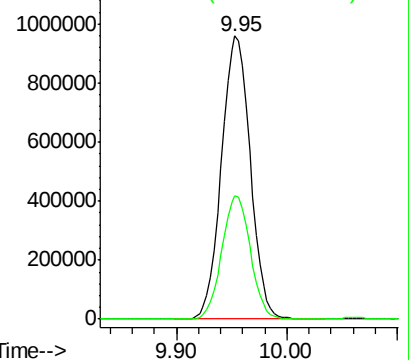
MMDadoda

6/17/2020 3:45:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 159.238 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061836.D

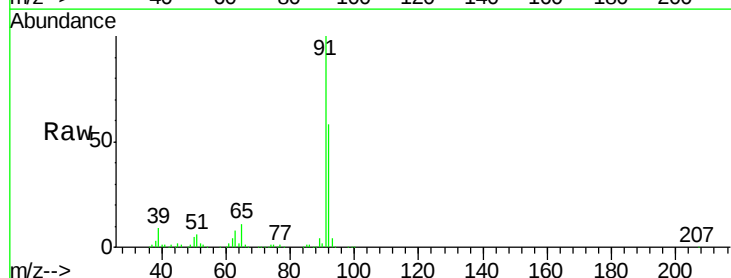
Acq: 16 Jun 2020 19:25

Tgt Ion: 92 Resp: 818839

Ion Ratio Lower Upper

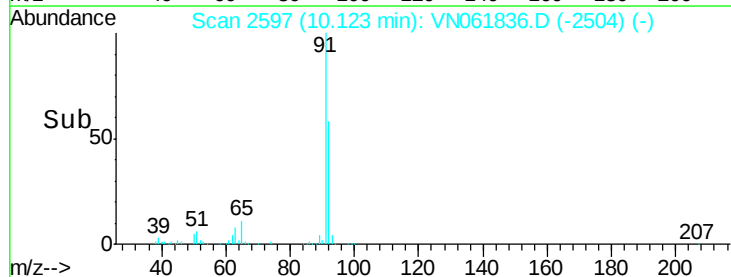
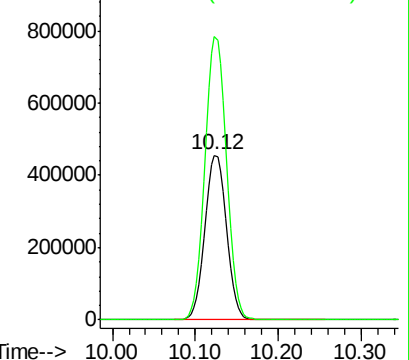
92 100

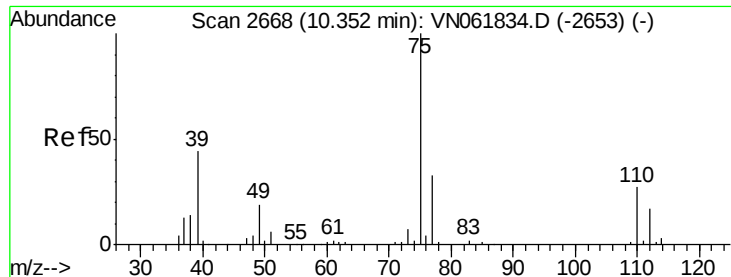
91 172.0 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





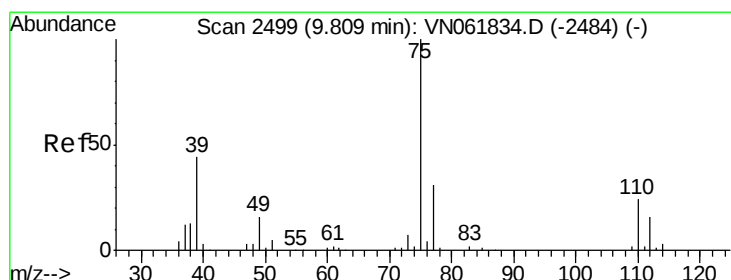
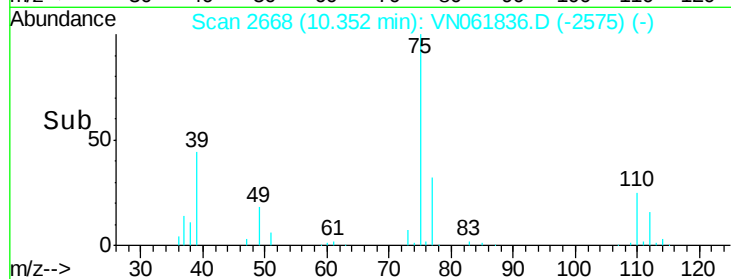
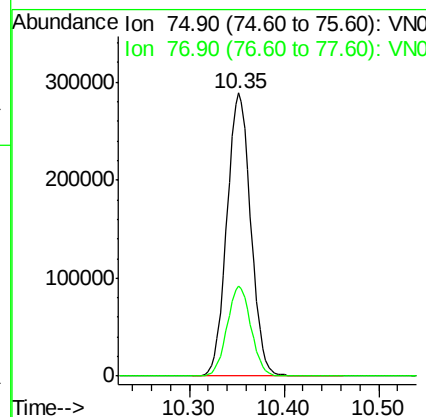
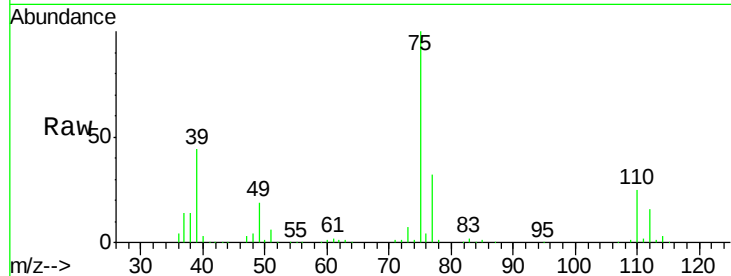
#53
t-1,3-Dichloropropene
Concen: 165.731 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 505852
Ion Ratio Lower Upper
75 100
77 31.8 26.3 39.5

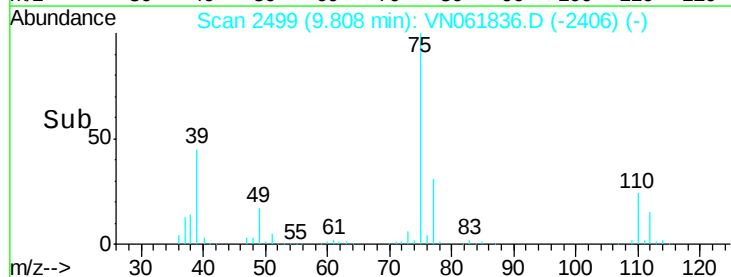
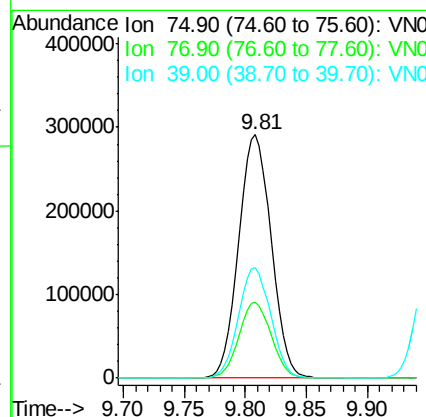
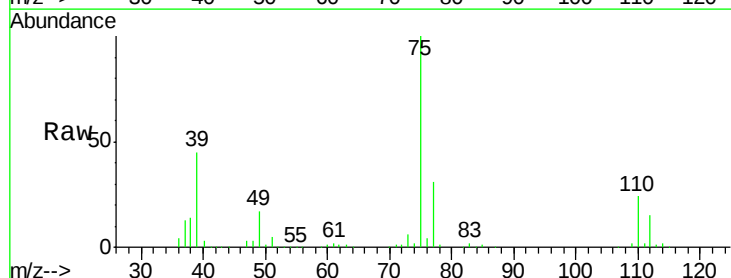
Manual Integrations
APPROVED

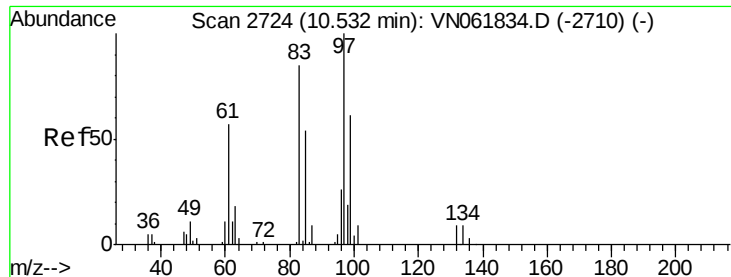
MMDadoda
6/17/2020 3:45:03 PM



#54
cis-1,3-Dichloropropene
Concen: 163.691 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion: 75 Resp: 539485
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2
39 45.1 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 151.742 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 310211

Ion Ratio Lower Upper

97 100

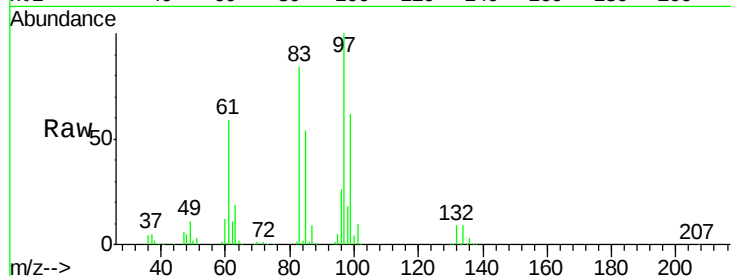
83 84.1 67.7 101.5

85 54.2 43.4 65.0

99 62.4 48.8 73.2

Manual Integrations
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6/17/2020 3:45:03 PM



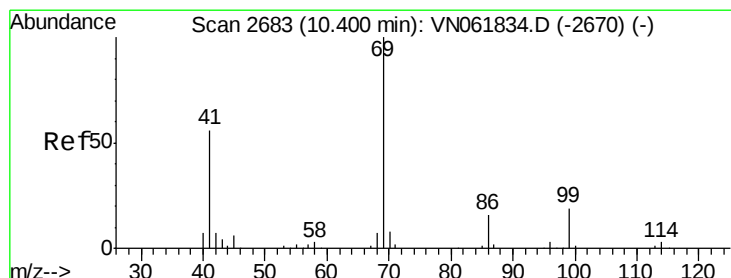
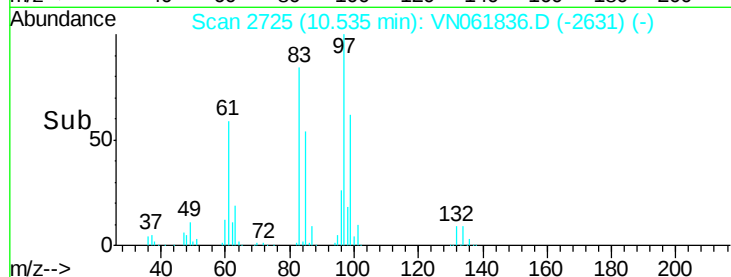
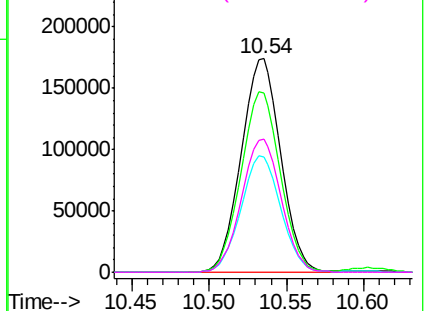
Abundance

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: 168.963 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

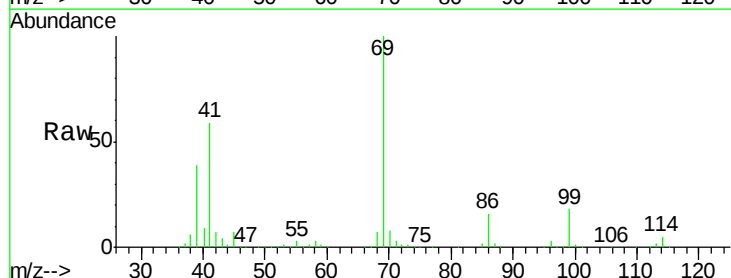
Tgt Ion: 69 Resp: 478763

Ion Ratio Lower Upper

69 100

41 57.8 44.9 67.3

39 38.6 30.0 45.0

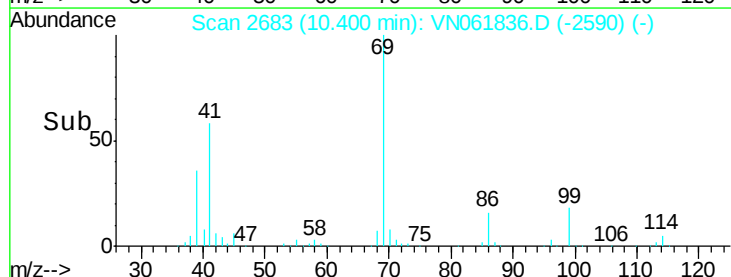
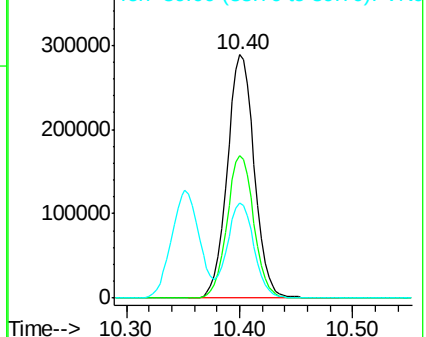


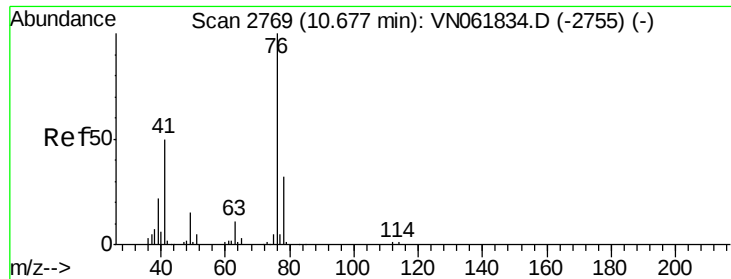
Abundance

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





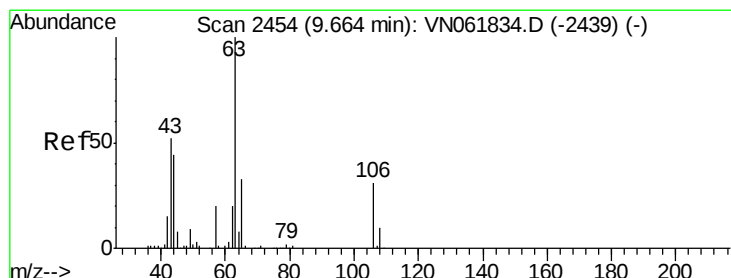
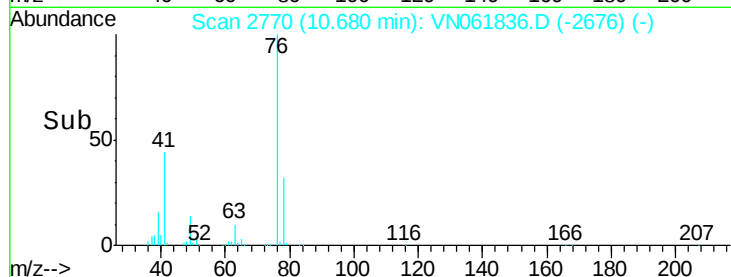
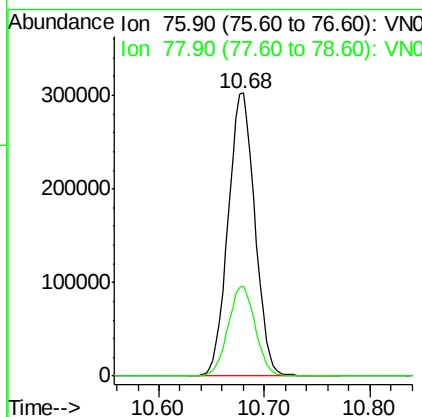
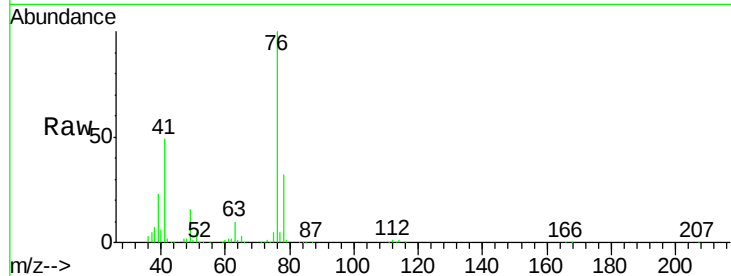
#57
 1,3-Dichloropropane
 Concen: 161.289 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

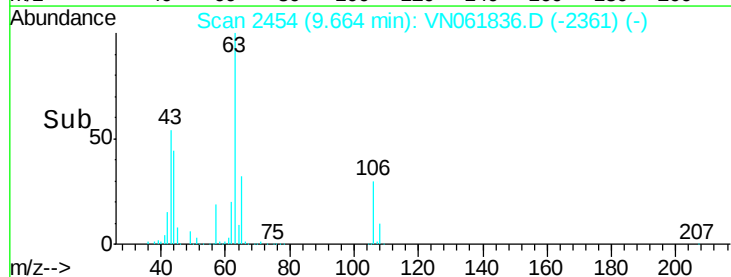
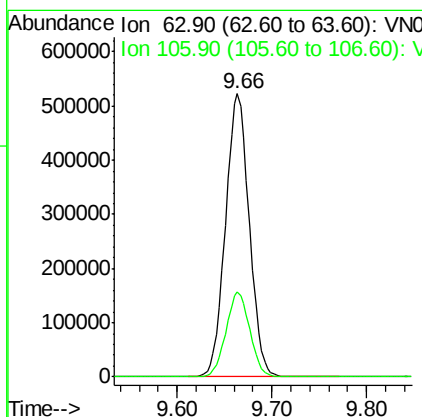
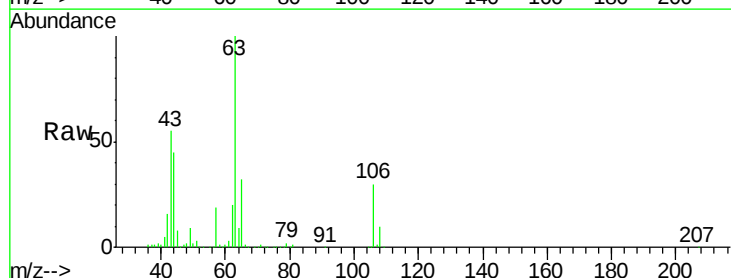
Manual Integrations
 APPROVED

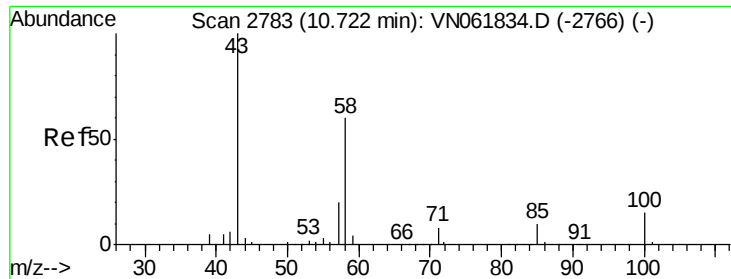
MMDadoda
 6/17/2020 3:45:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 763.437 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	24.6	36.8





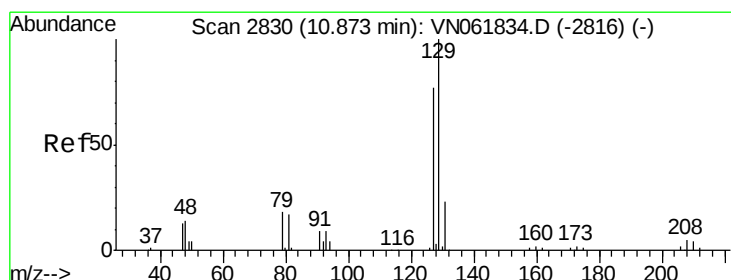
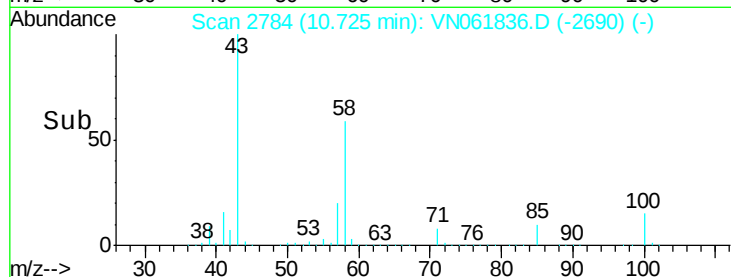
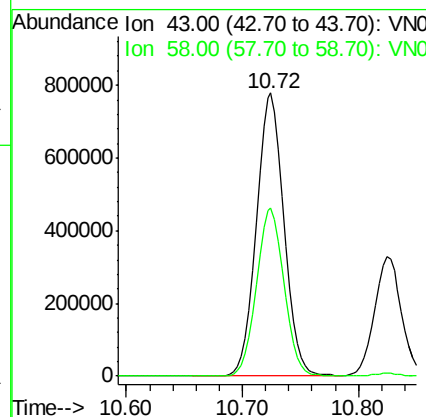
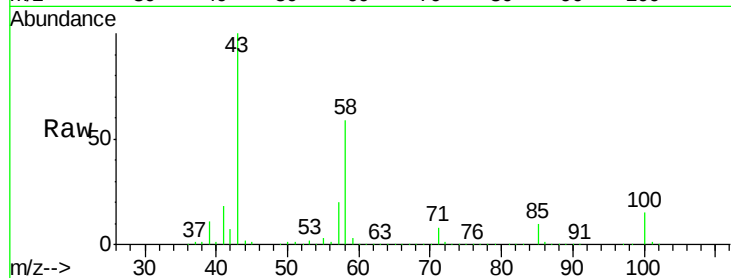
#59
2-Hexanone
Concen: 867.859 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1295402
Ion Ratio Lower Upper
43 100
58 59.4 30.1 90.5

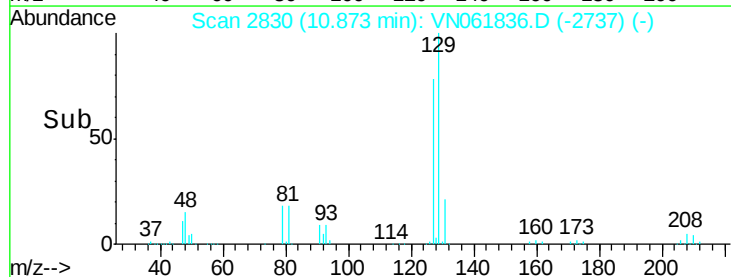
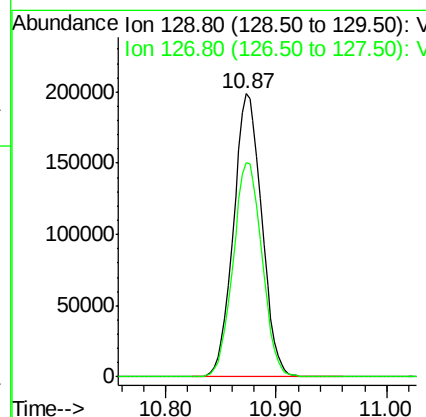
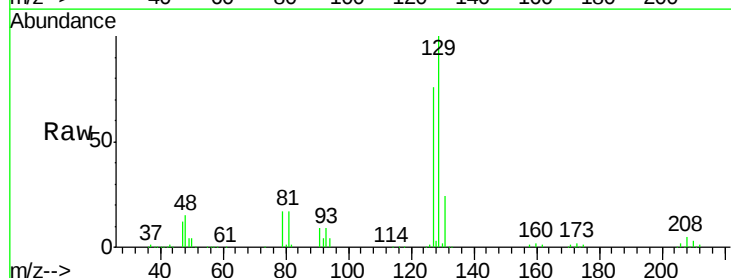
Manual Integrations
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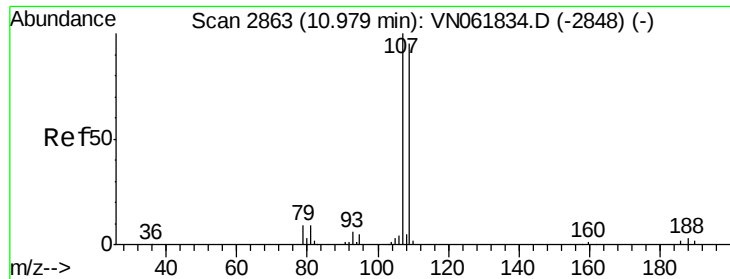
MMDadoda
6/17/2020 3:45:03 PM



#60
Dibromochloromethane
Concen: 153.961 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion:129 Resp: 353941
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





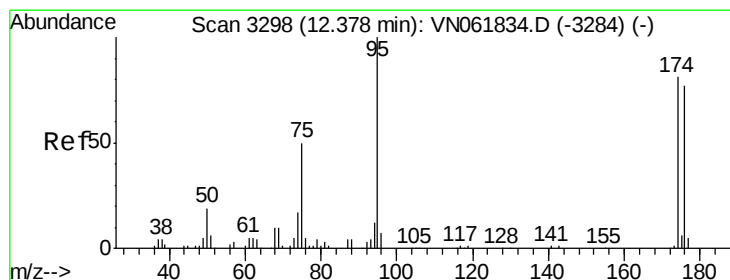
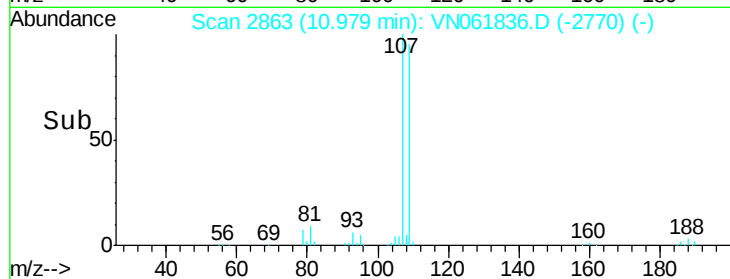
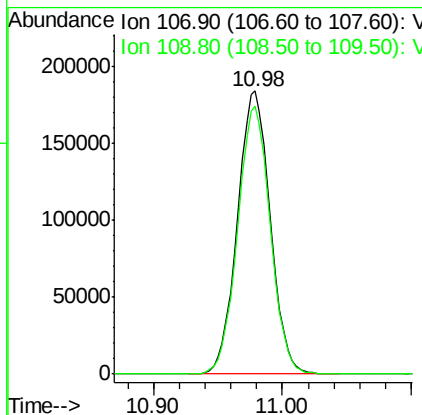
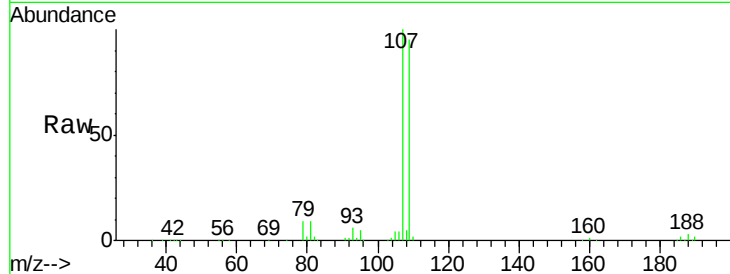
#61
 1,2-Dibromoethane
 Concen: 153.373 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.0	112.6

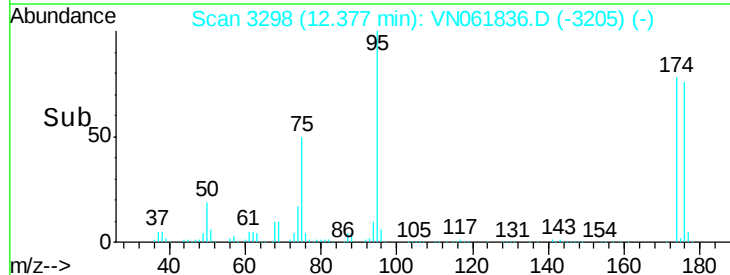
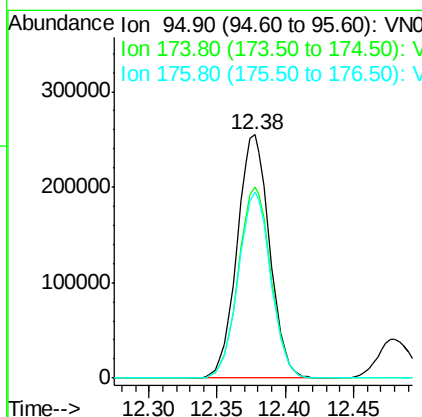
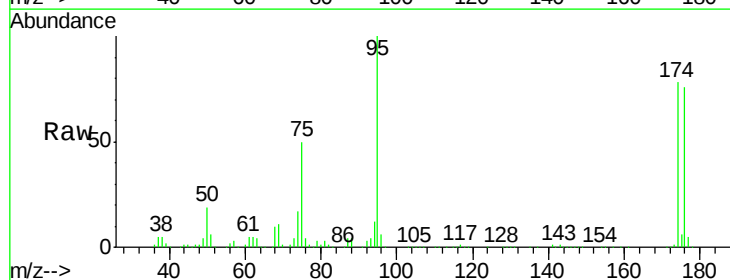
Manual Integrations
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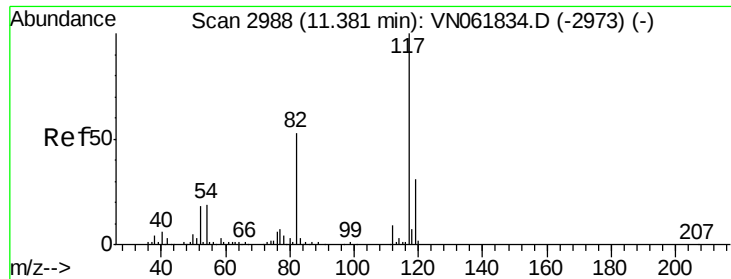
MMDadoda
 6/17/2020 3:45:03 PM



#62
 4-Bromofluorobenzene
 Concen: 171.531 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	158.6
176	76.2	0.0	152.0





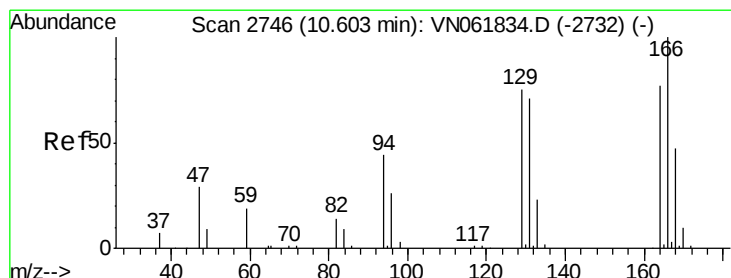
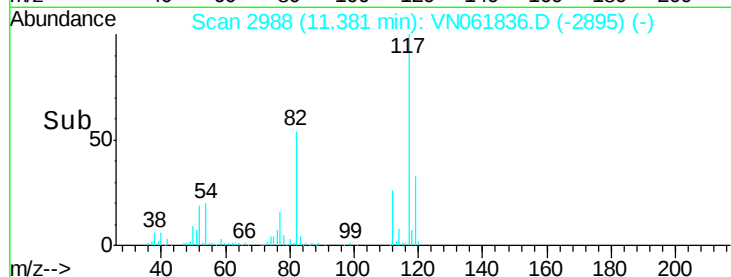
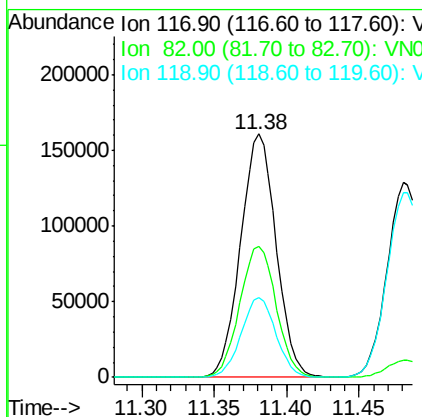
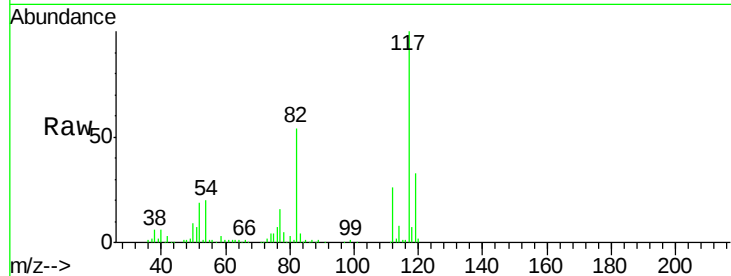
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	274592		
82	53.8	42.6	64.0	
119	32.5	24.7	37.1	

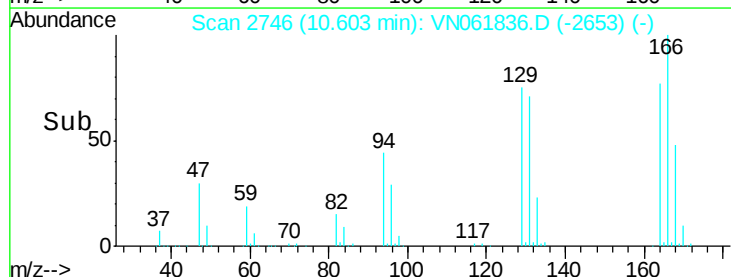
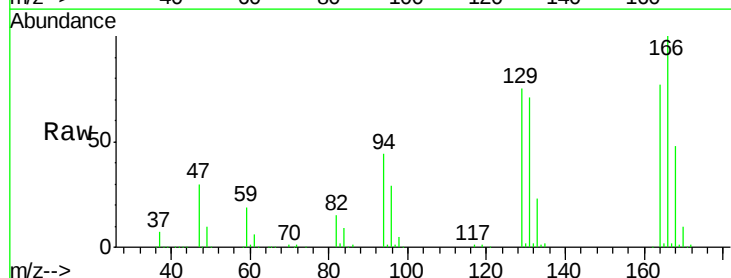
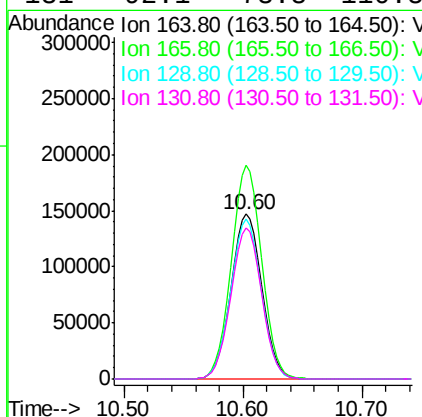
Manual Integrations
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#64
Tetrachloroethene
Concen: 107.650 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	264492		
166	129.7	103.5	155.3	
129	97.0	77.5	116.3	
131	92.1	73.8	110.8	





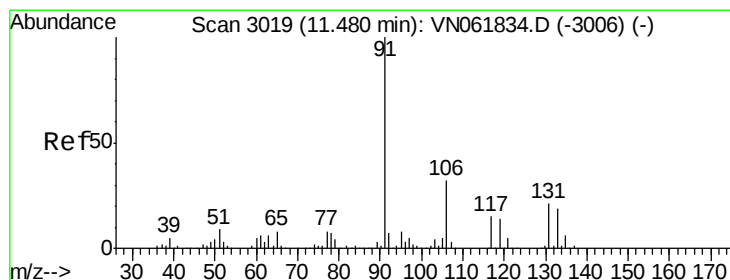
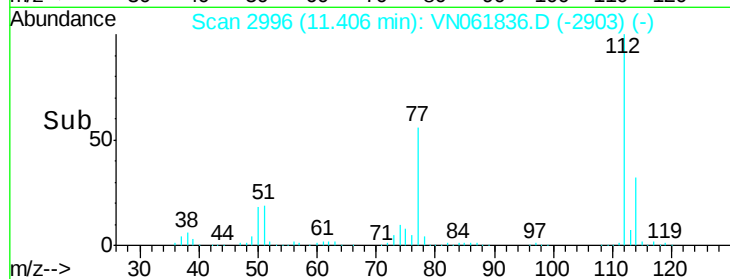
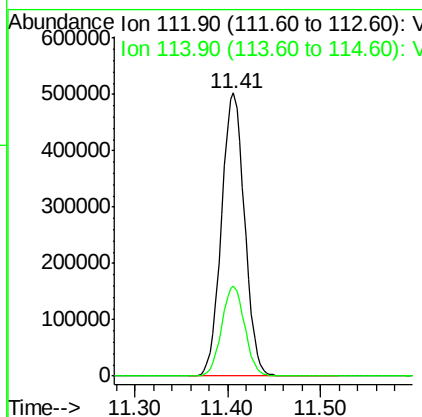
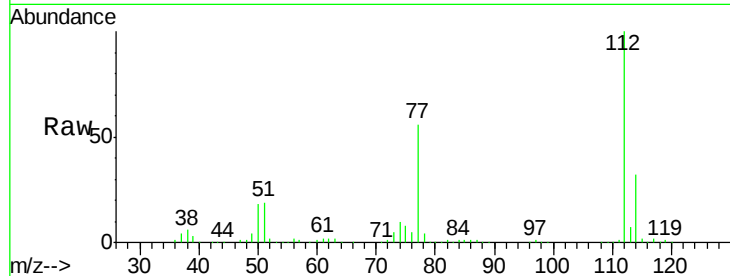
#65
Chlorobenzene
Concen: 151.773 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 869198
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

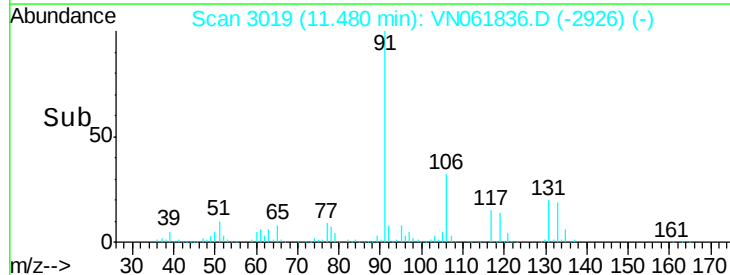
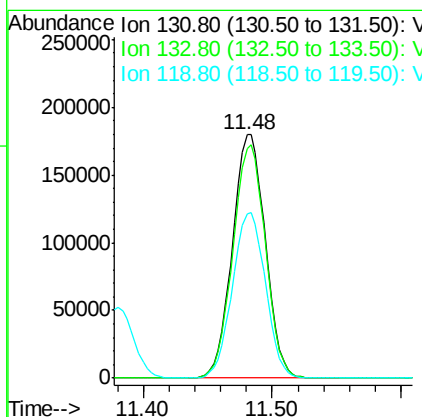
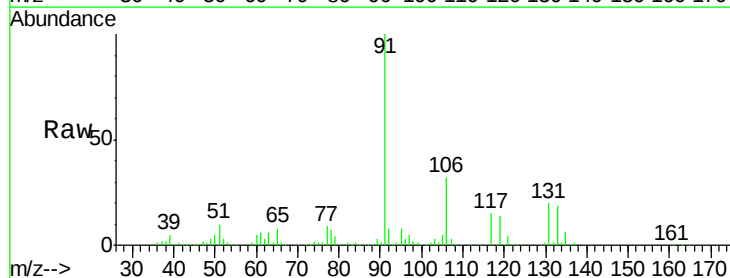
Manual Integrations
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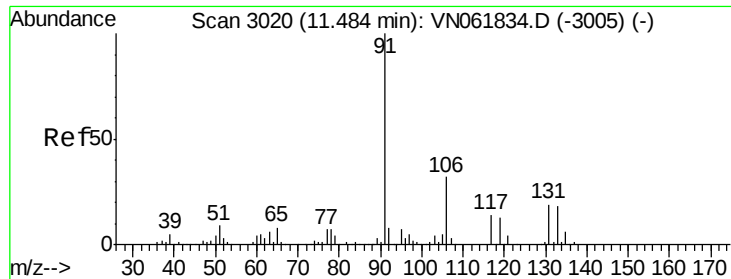
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#66
1,1,1,2-Tetrachloroethane
Concen: 150.293 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion:131 Resp: 318564
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 68.3 34.0 101.8





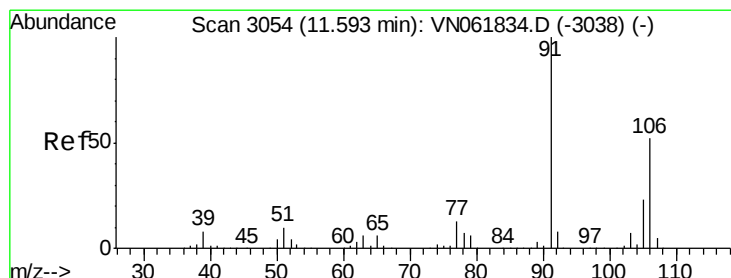
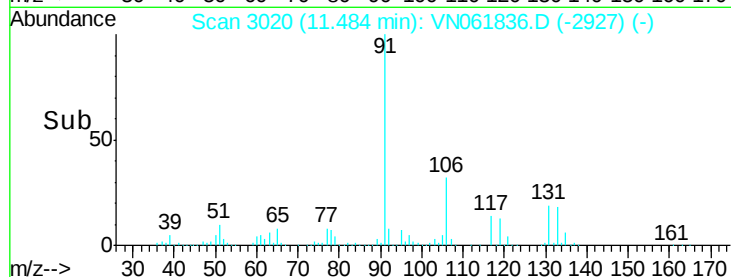
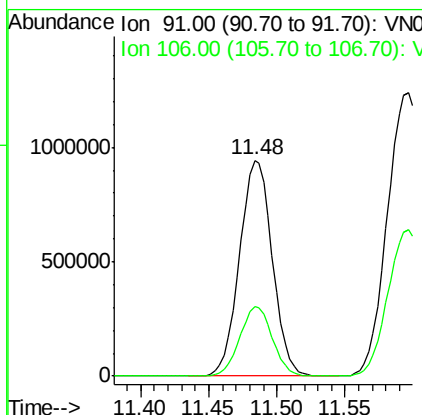
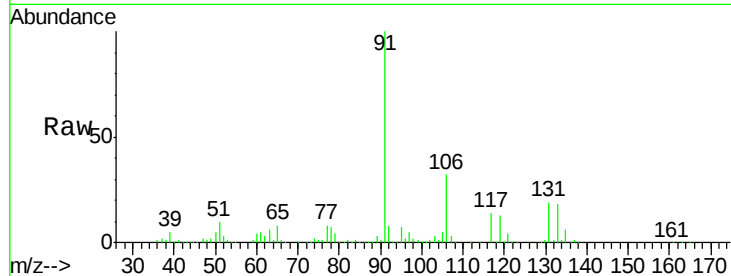
#67
Ethyl Benzene
Concen: 158.600 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 1573043
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2

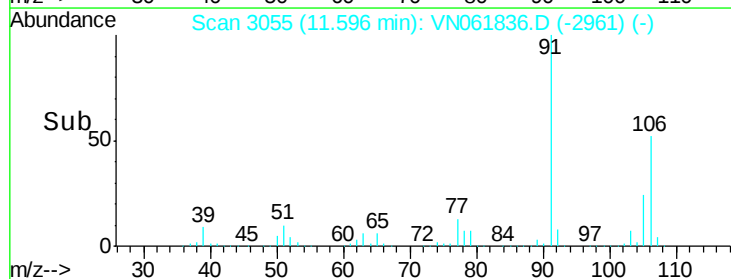
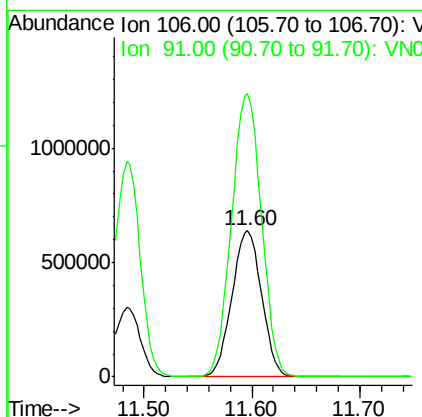
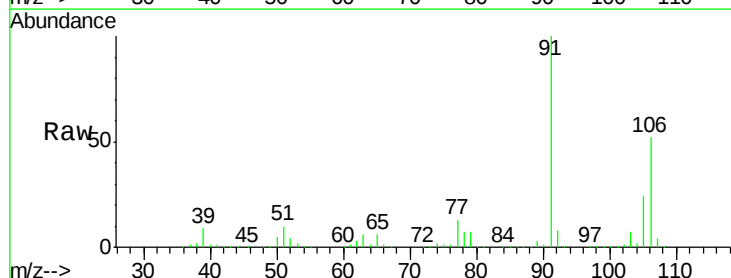
Manual Integrations
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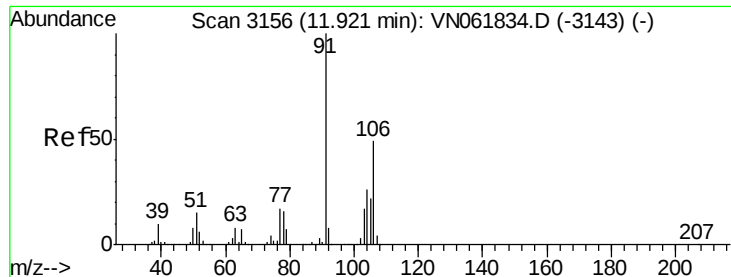
MMDadoda
6/17/2020 3:45:03 PM



#68
m/p-Xylenes
Concen: 312.651 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion: 106 Resp: 1225234
Ion Ratio Lower Upper
106 100
91 195.7 157.0 235.6





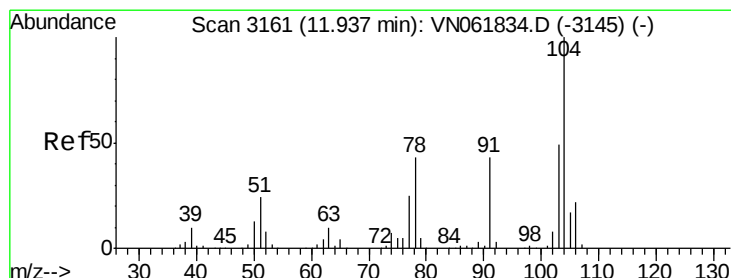
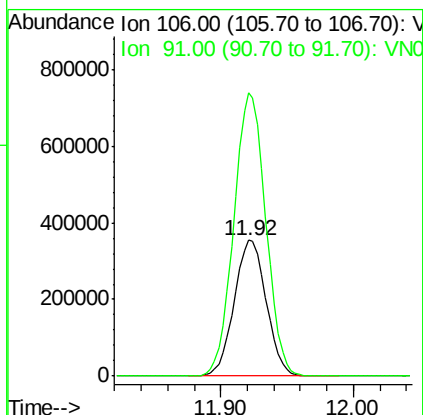
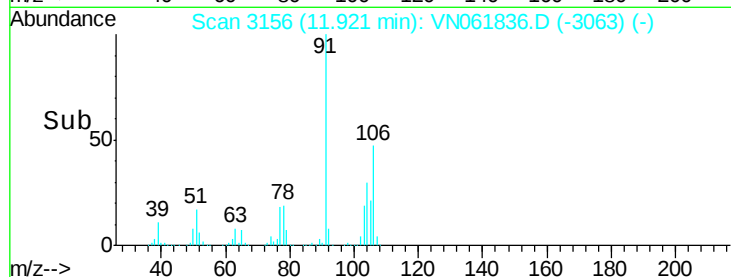
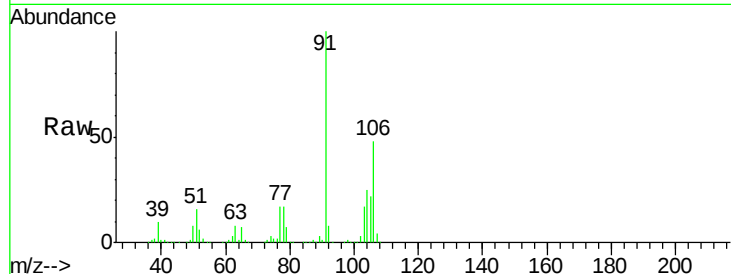
#69
o-Xylene
Concen: 159.044 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 592718
Ion Ratio Lower Upper
106 100
91 208.0 103.0 308.9

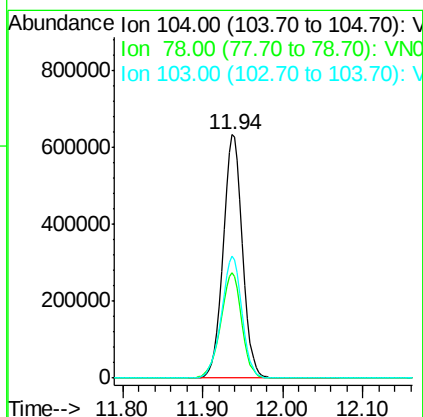
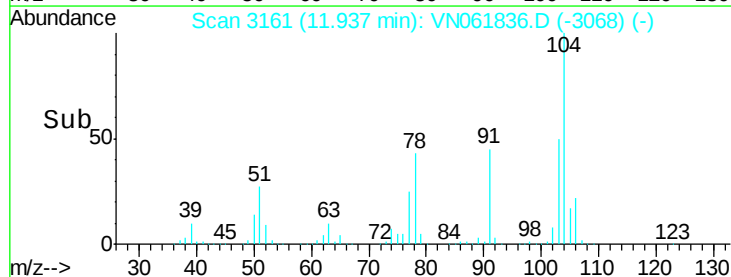
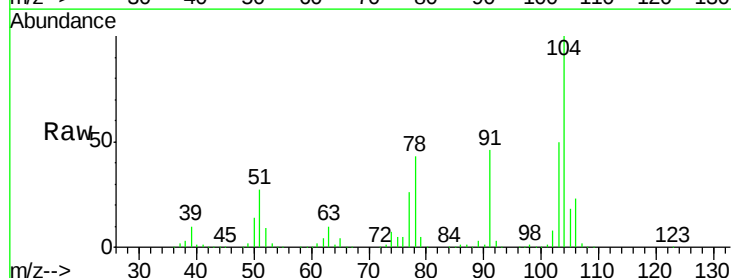
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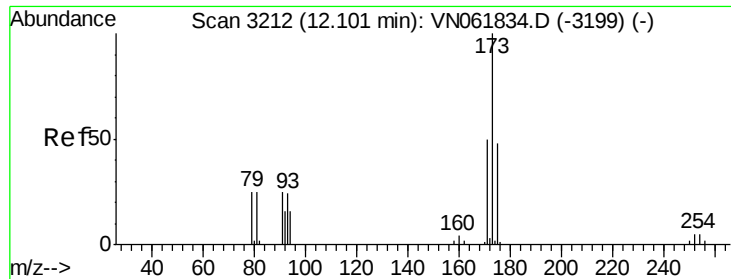
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#70
Styrene
Concen: 170.368 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion:104 Resp: 1052560
Ion Ratio Lower Upper
104 100
78 47.4 37.6 56.4
103 53.5 43.0 64.4





#71

Bromoform

Concen: 154.085 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

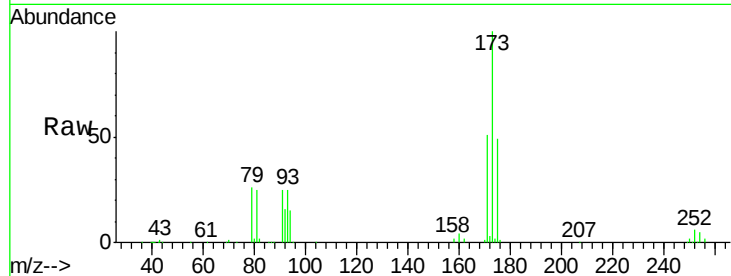
ClientSampleId :

VSTDIC150

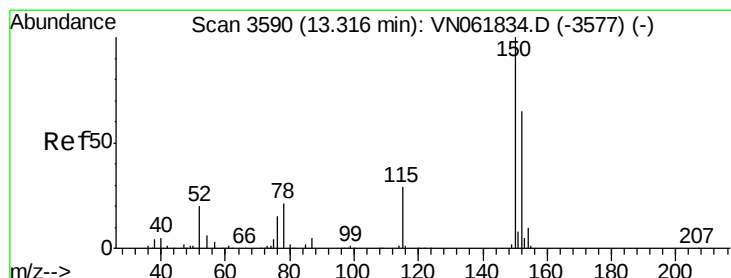
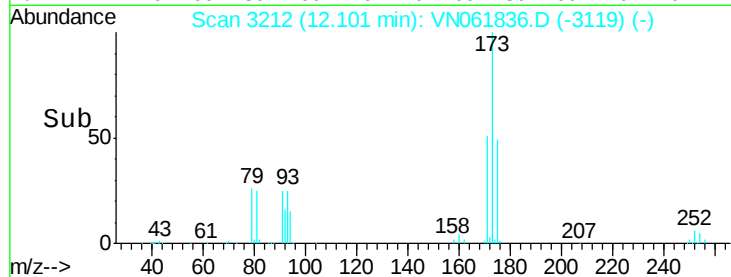
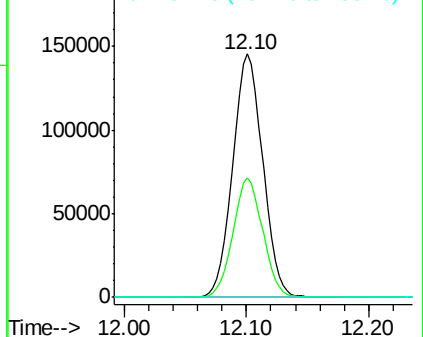
Tot Ion:	173	Resp:	248896
Ion Ratio	Lower	Upper	
173	100		
175	48.4	23.9	71.7
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

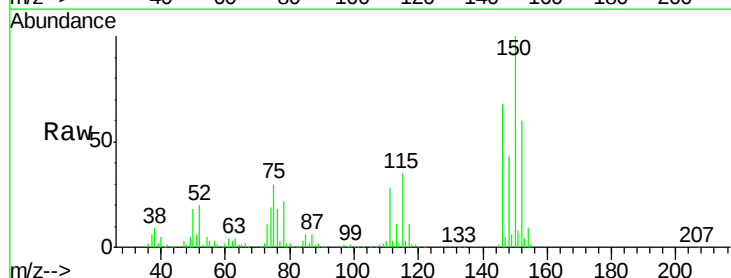
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

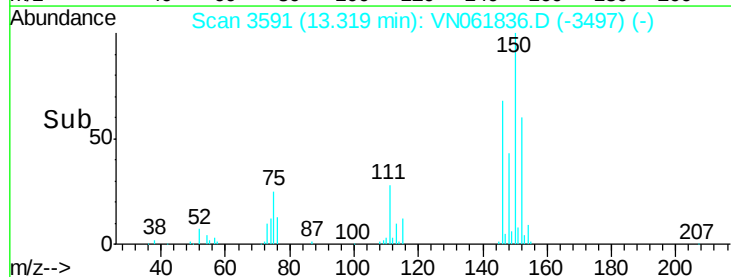
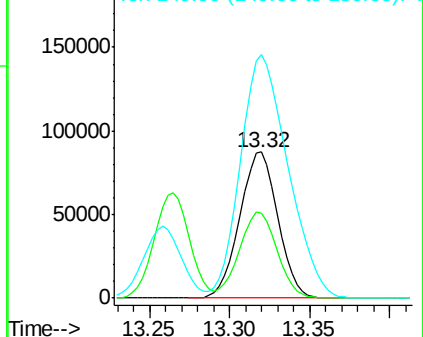
Lab File: VN061836.D

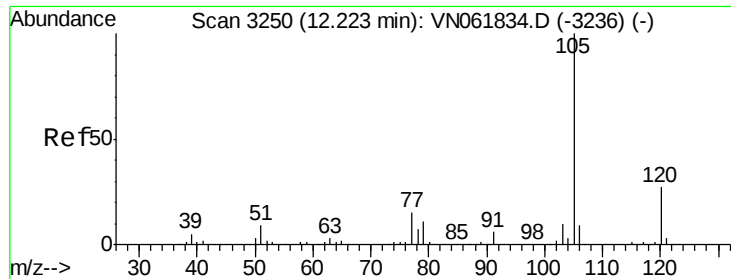
Acq: 16 Jun 2020 19:25

Tgt Ion:	152	Resp:	141655
Ion Ratio	Lower	Upper	
152	100		
115	58.4	29.1	87.3
150	209.8	0.0	347.6



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





#73

Isopropylbenzene

Concen: 149.444 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 155545

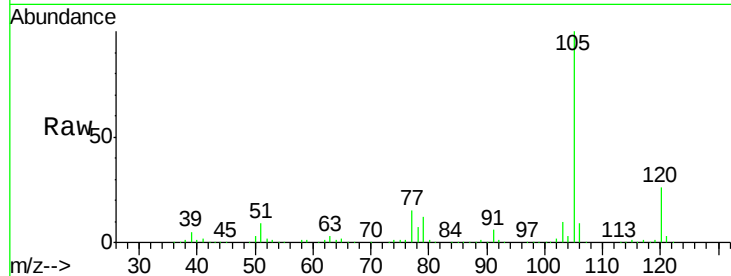
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

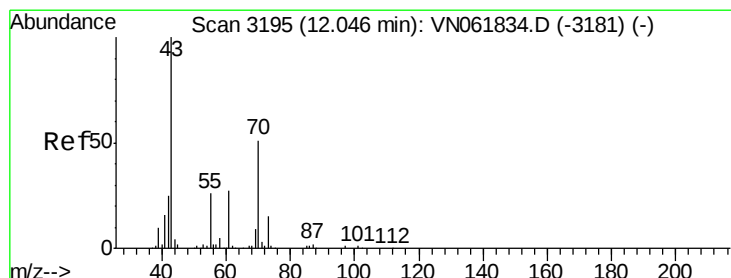
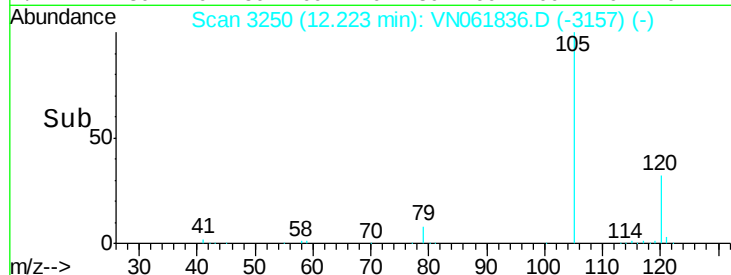
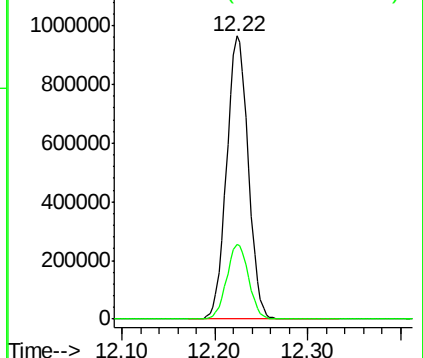
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 178.903 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Tgt Ion: 43 Resp: 587046

Ion Ratio Lower Upper

43 100

70 48.4 40.6 60.8

55 24.7 21.5 32.3

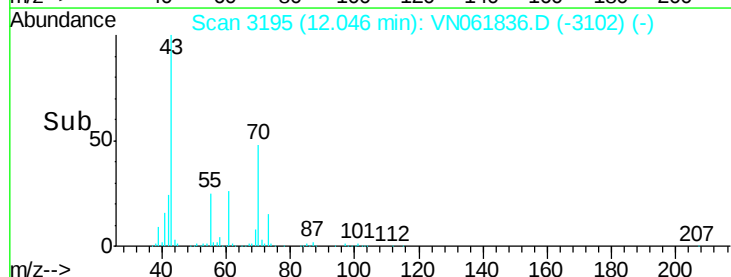
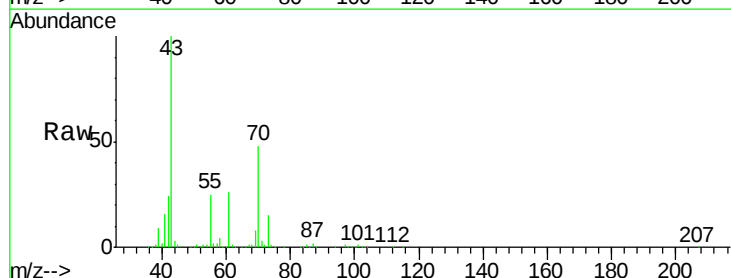
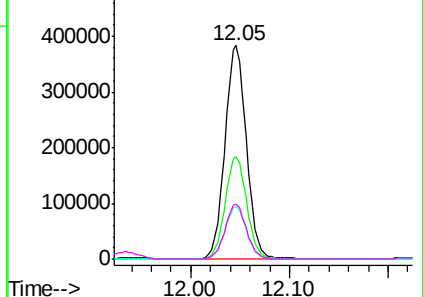
61 25.8 21.6 32.4

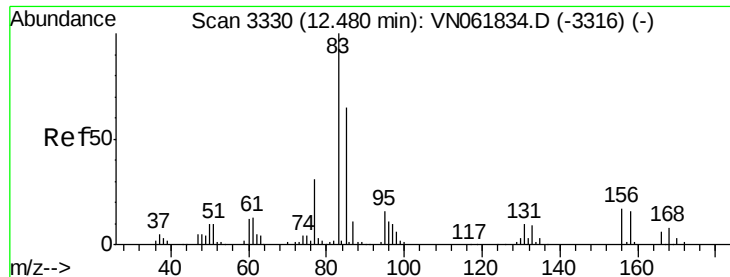
Abundance Ion 43.00 (42.70 to 43.70): V

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: 154.909 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 458829
Ion Ratio Lower Upper

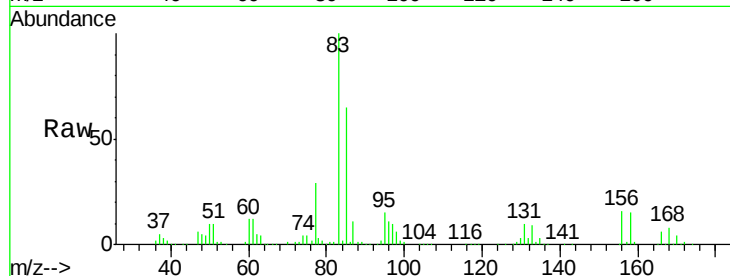
83 100

131 9.8 5.0 15.0

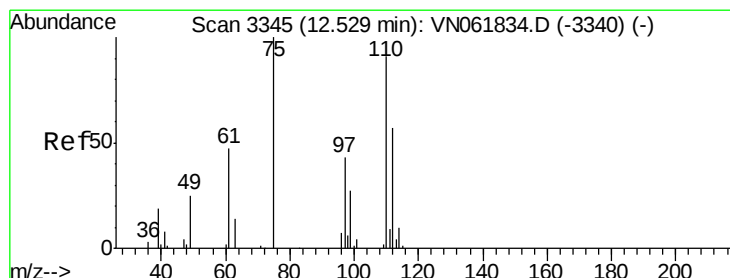
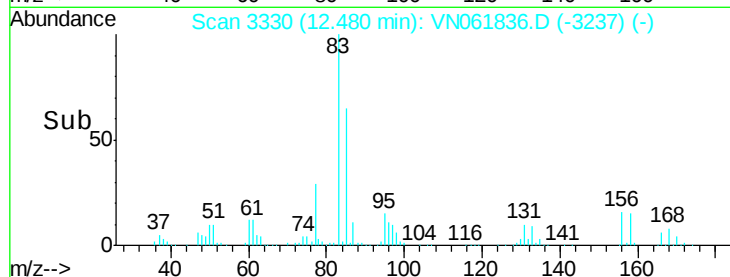
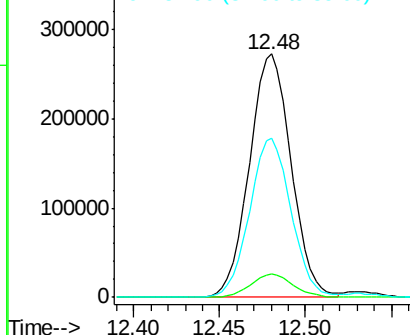
85 64.8 32.4 97.2

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 151.792 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

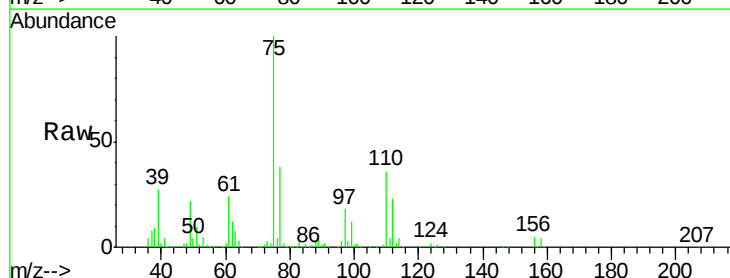
Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

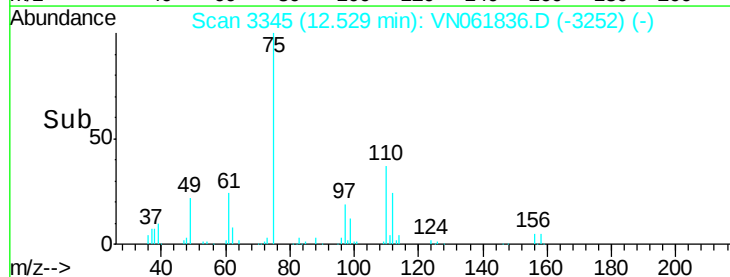
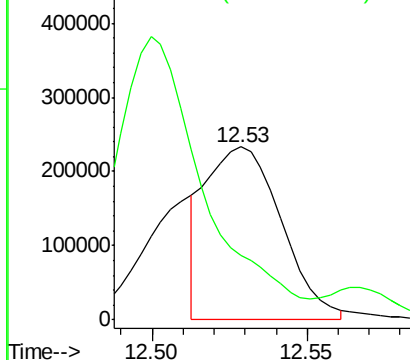
Tgt Ion: 75 Resp: 395691
Ion Ratio Lower Upper

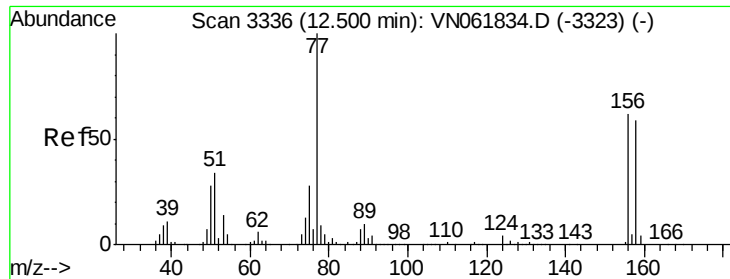
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 143.936 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061836.D

Acq: 16 Jun 2020 19:25

Instrument :

MSVOA_N

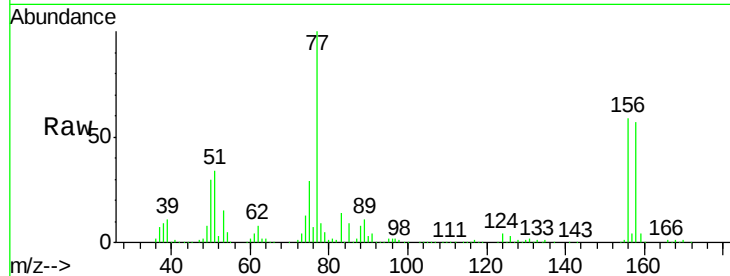
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	378850
Ion Ratio	Lower	Upper	
156	100		
77	202.8	100.7	302.1
158	97.6	48.5	145.5

Manual Integrations
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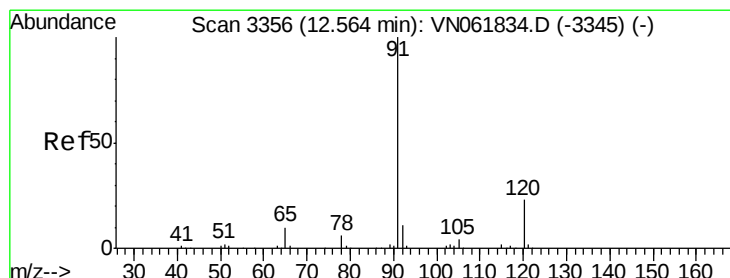
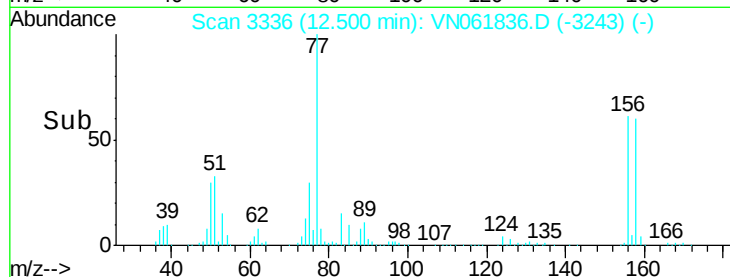
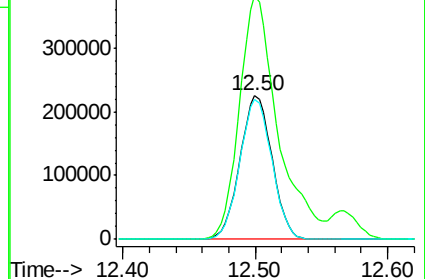
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 153.240 ug/l

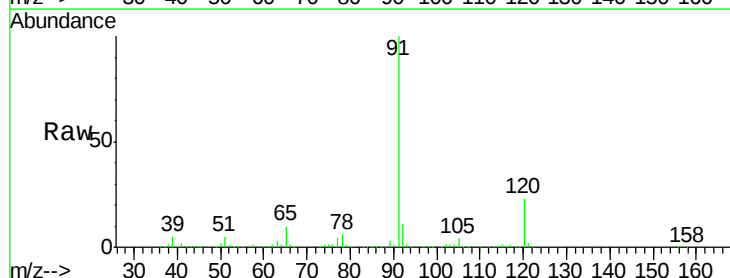
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061836.D

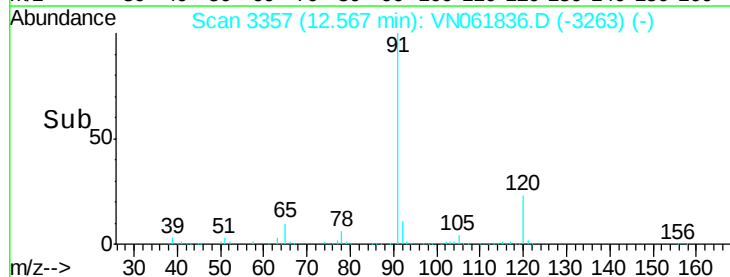
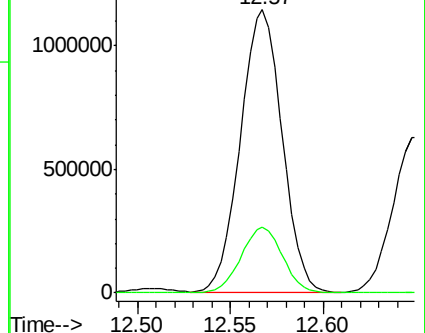
Acq: 16 Jun 2020 19:25

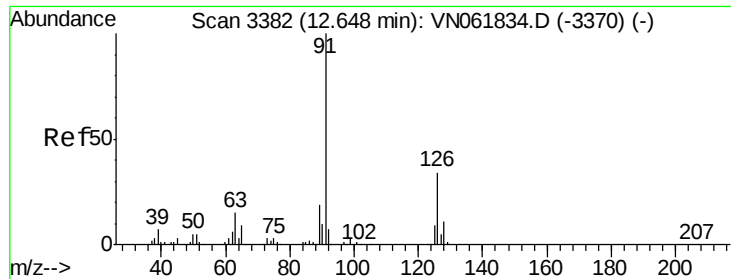
Tgt Ion:	91	Resp:	1784489
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





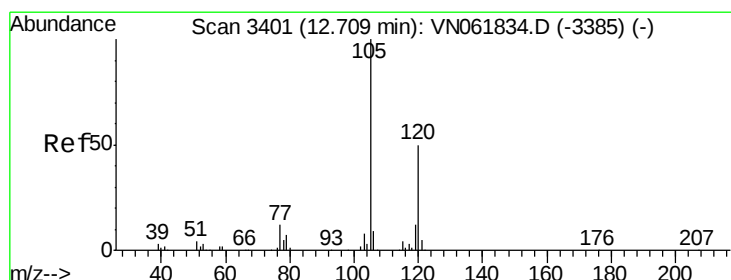
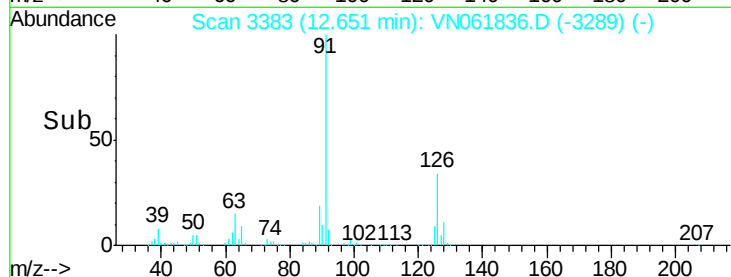
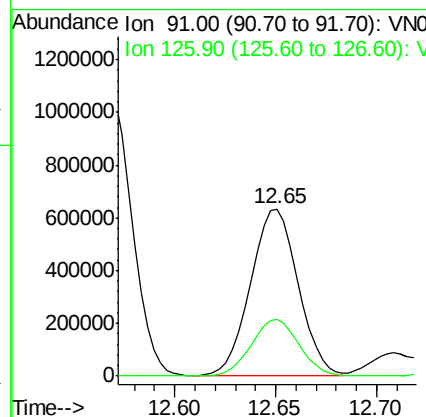
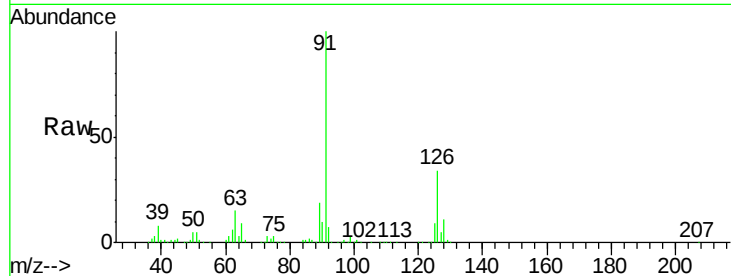
#79
 2-Chlorotoluene
 Concen: 150.555 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1045025
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.3 51.7

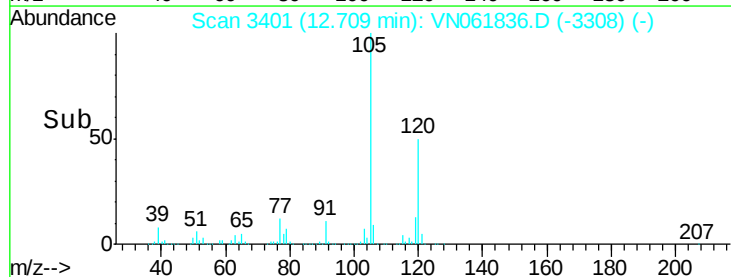
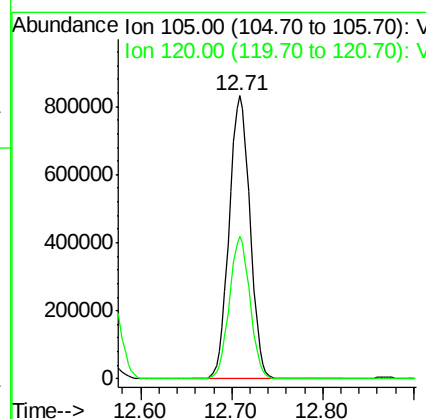
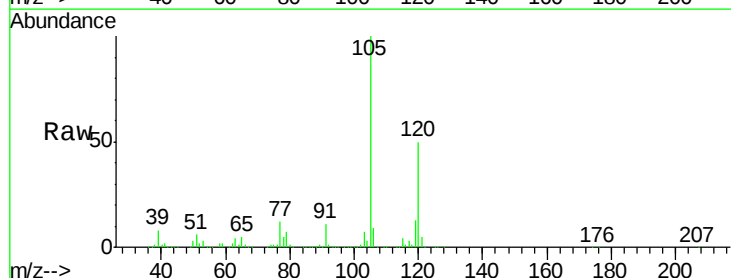
Manual Integrations
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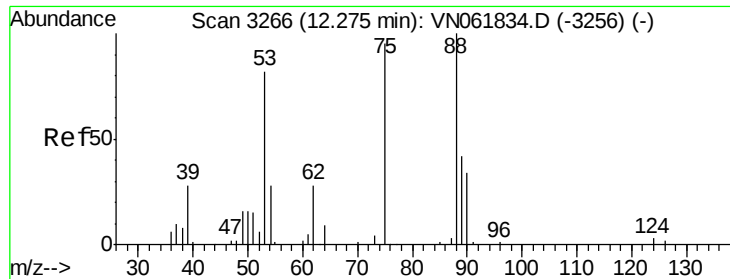
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#80
 1,3,5-Trimethylbenzene
 Concen: 152.257 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Tgt Ion: 105 Resp: 1322644
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.7





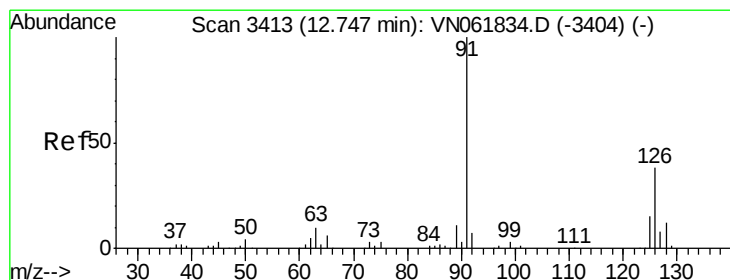
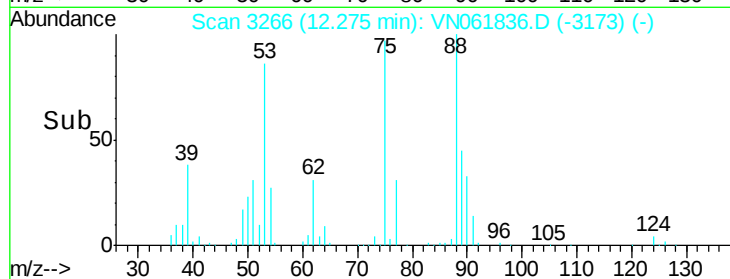
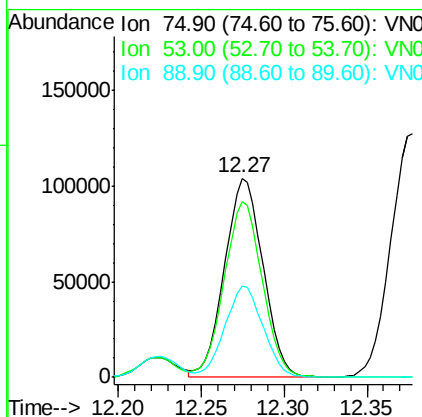
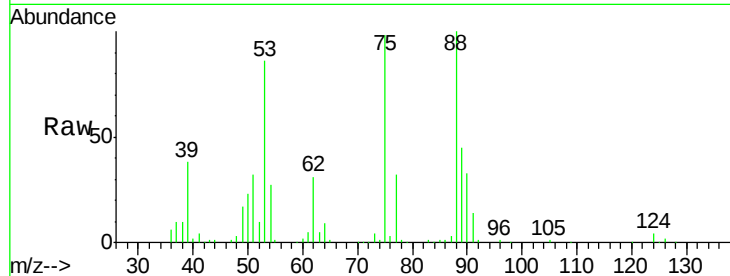
#81
trans-1,4-Dichloro-2-butene
Concen: 164.563 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	70.4	105.6
89	45.9	36.0	54.0

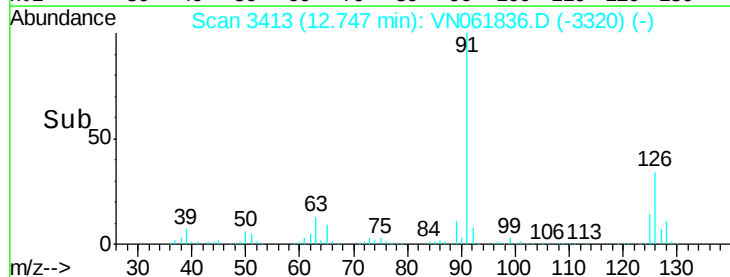
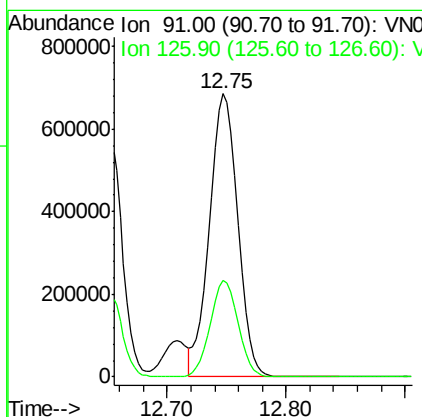
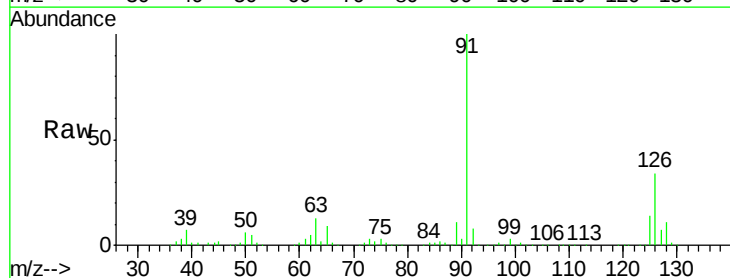
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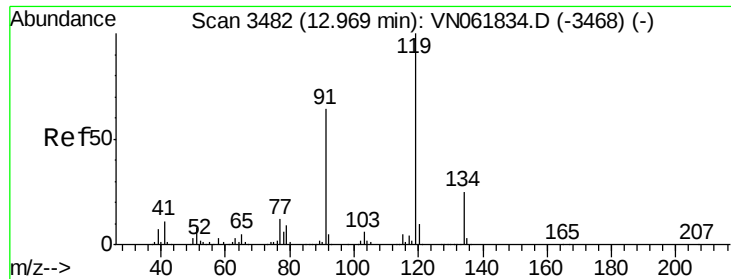
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#82
4-Chlorotoluene
Concen: 155.009 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.2	51.6





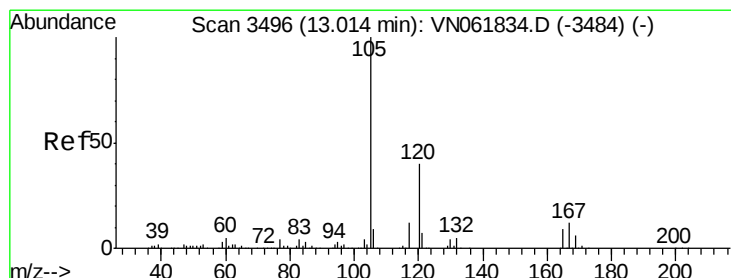
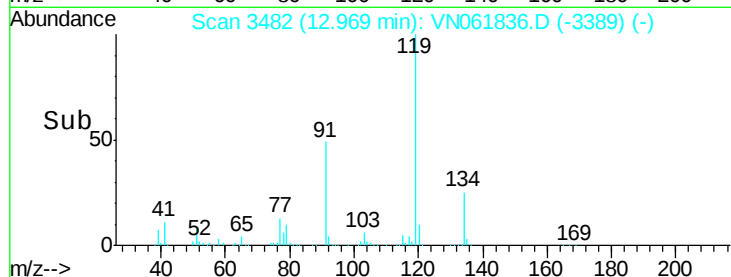
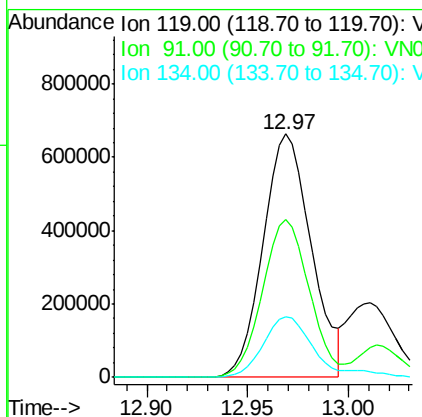
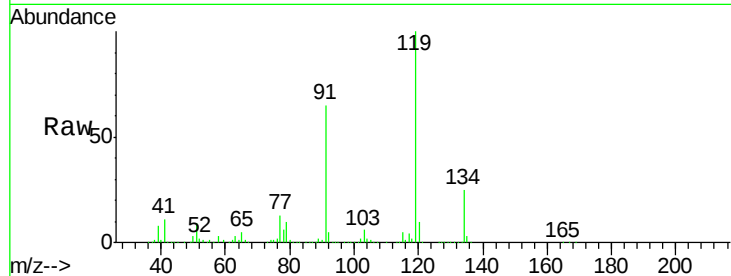
#83
 tert-Butylbenzene
 Concen: 144.148 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1101032
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.5 94.5
 134 26.6 13.3 39.9

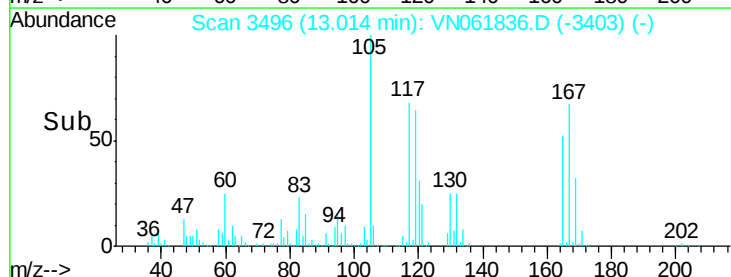
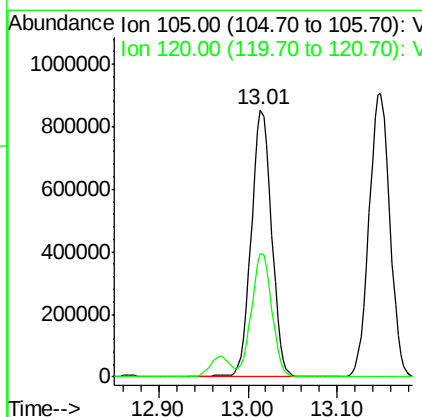
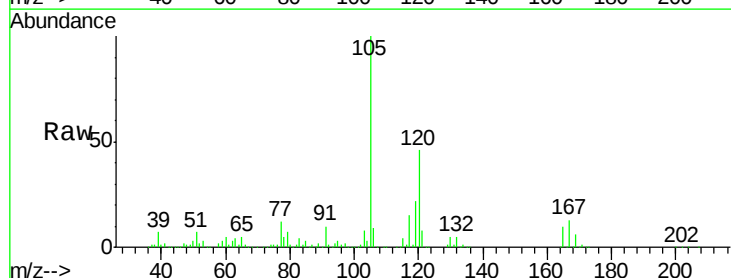
Manual Integrations
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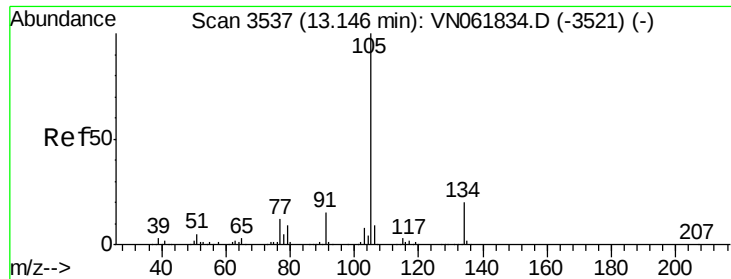
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#84
 1,2,4-Trimethylbenzene
 Concen: 156.642 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Tgt Ion:105 Resp: 1351776
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.3 69.9





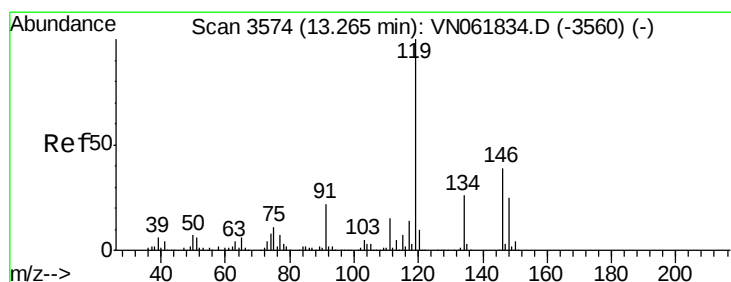
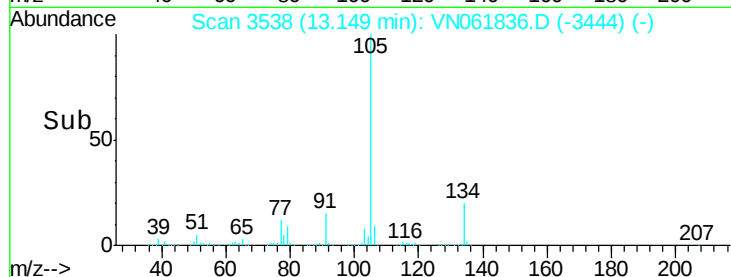
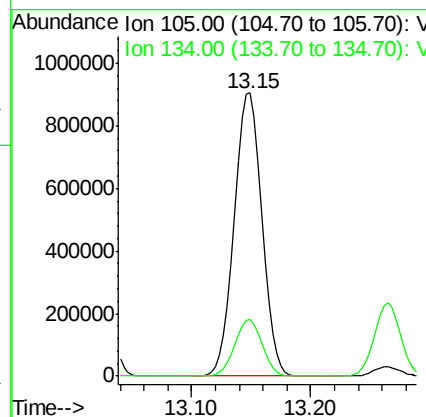
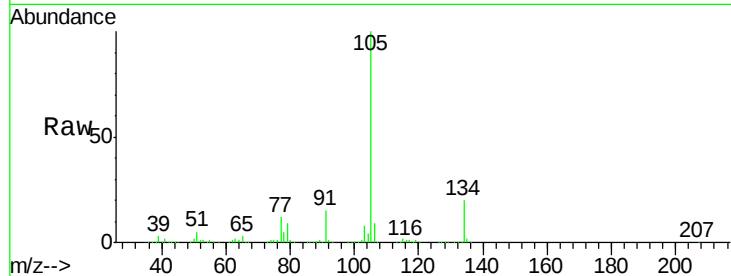
#85
 sec-Butylbenzene
 Concen: 148.601 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1463242
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.1 30.1

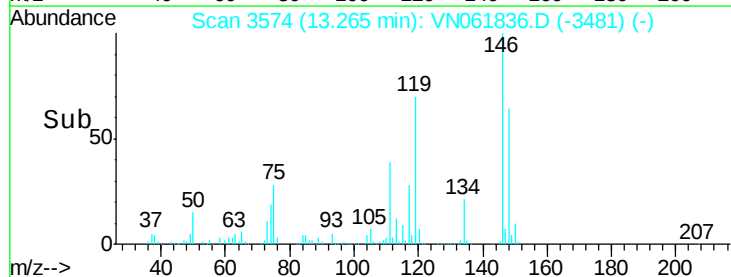
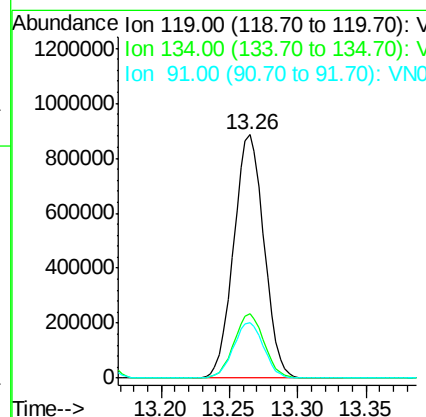
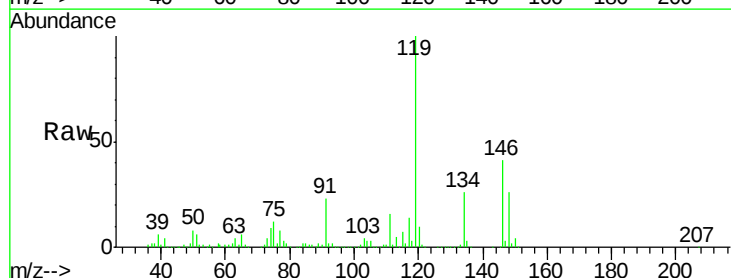
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 150.523 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Tgt Ion:119 Resp: 1361091
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.9
 91 22.8 11.2 33.6





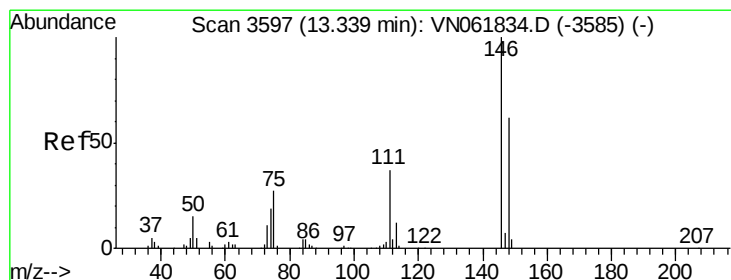
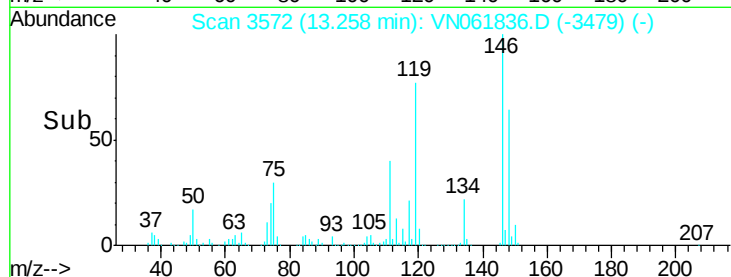
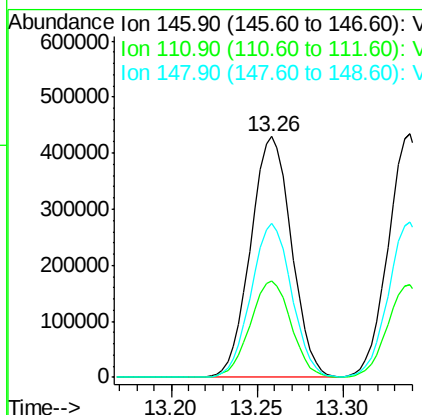
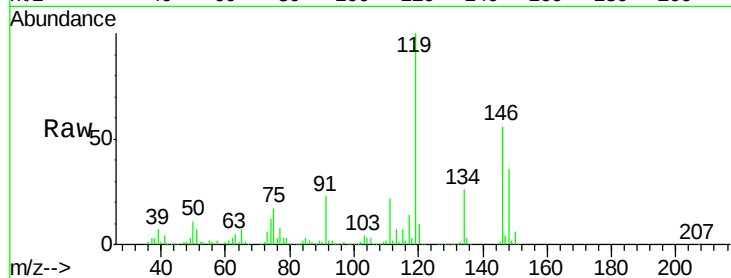
#87
 1,3-Dichlorobenzene
 Concen: 151.271 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.8
148	63.3	31.8	95.4

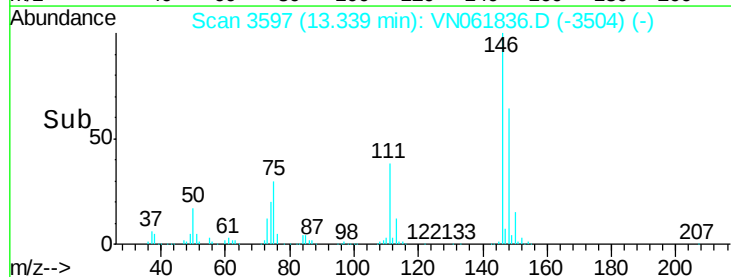
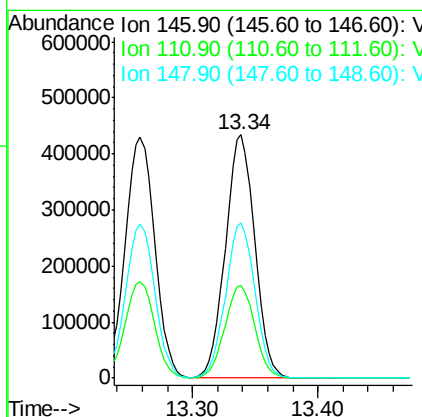
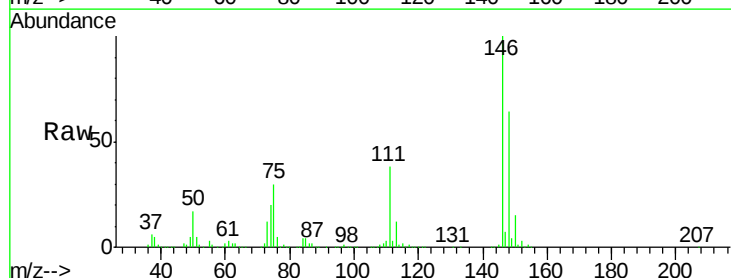
Manual Integrations
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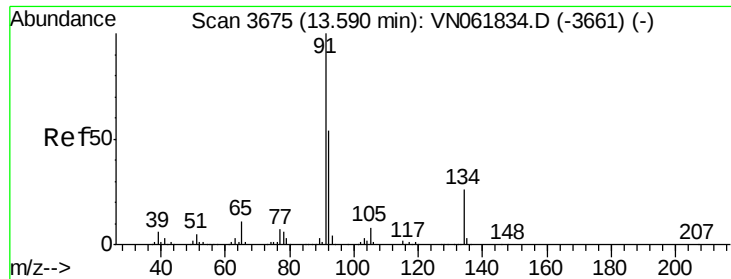
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#88
 1,4-Dichlorobenzene
 Concen: 147.477 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	63.8	31.6	94.7





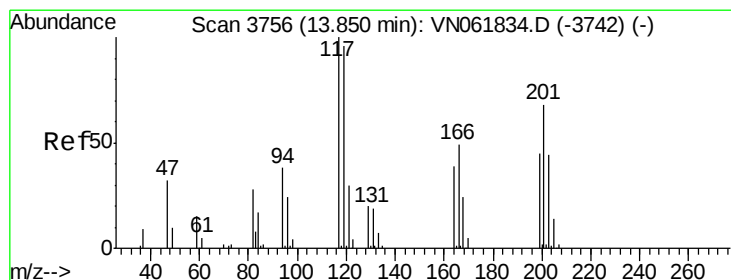
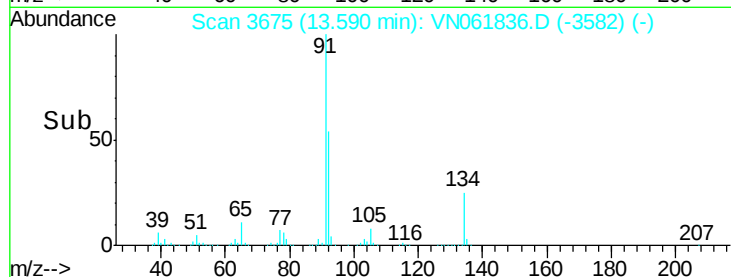
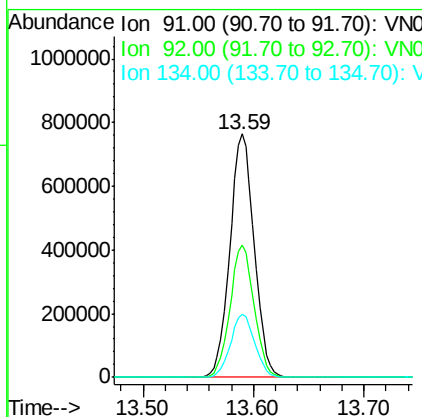
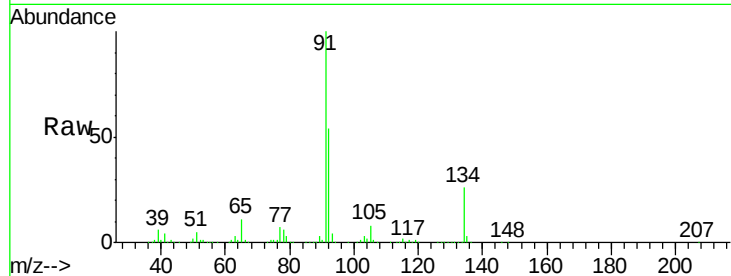
#89
n-Butylbenzene
Concen: 154.109 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1163768
Ion Ratio Lower Upper
91 100
92 53.8 27.0 80.8
134 25.9 13.0 39.0

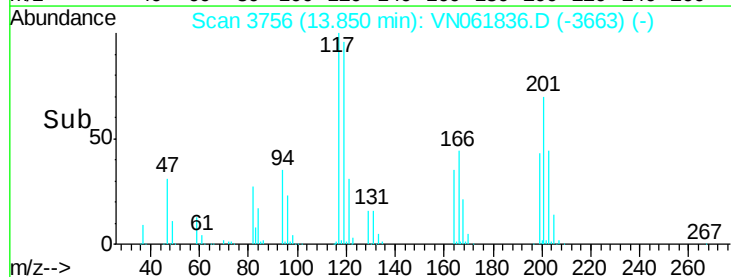
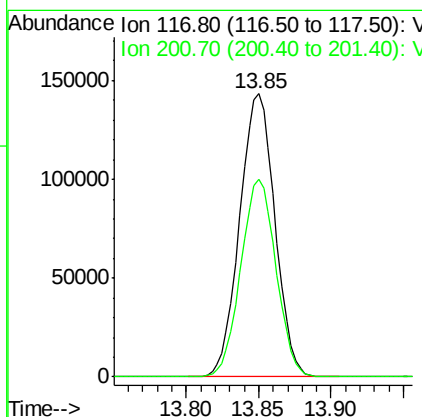
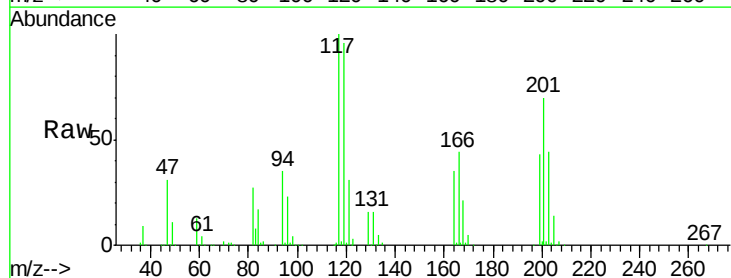
Manual Integrations
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#90
Hexachloroethane
Concen: 220.598 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion: 117 Resp: 242314
Ion Ratio Lower Upper
117 100
201 69.8 34.6 103.8





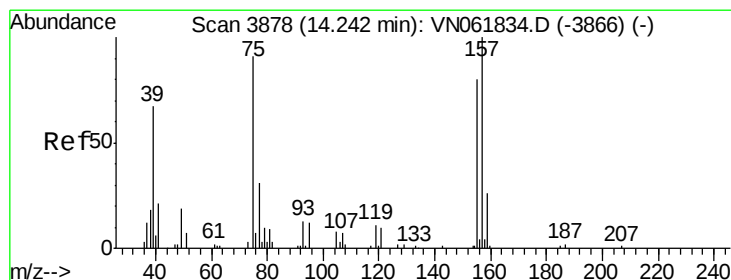
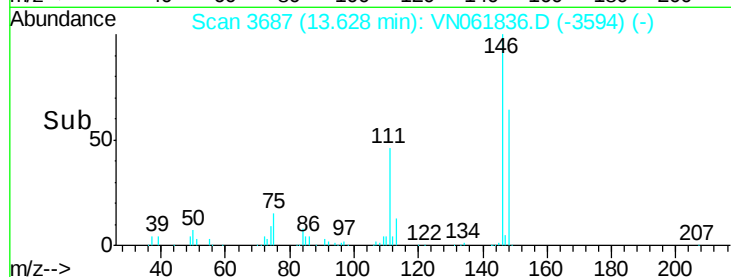
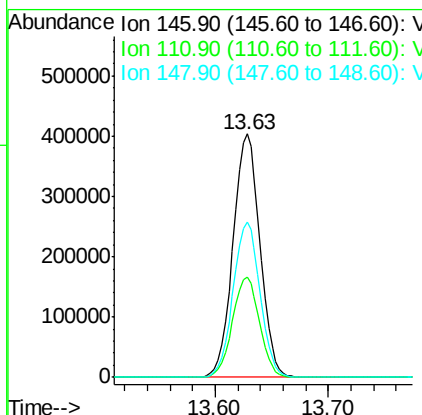
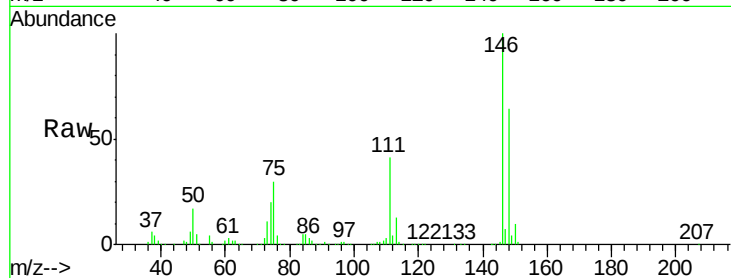
#91
 1,2-Dichlorobenzene
 Concen: 148.607 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.4	61.2
148	63.8	31.8	95.4

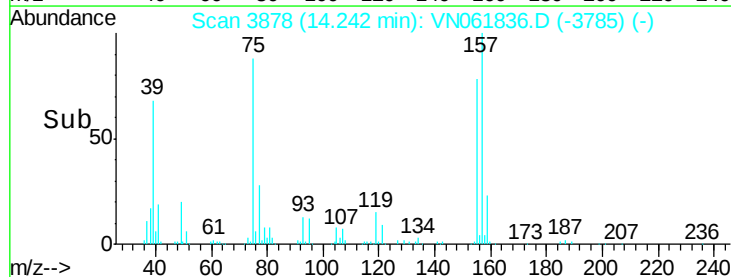
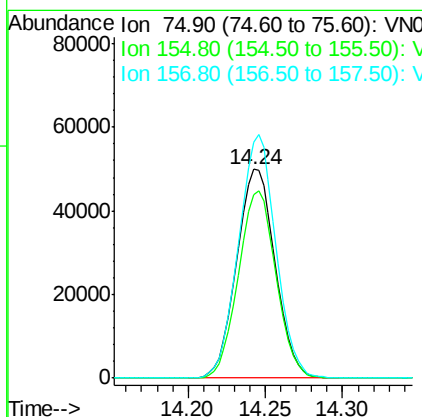
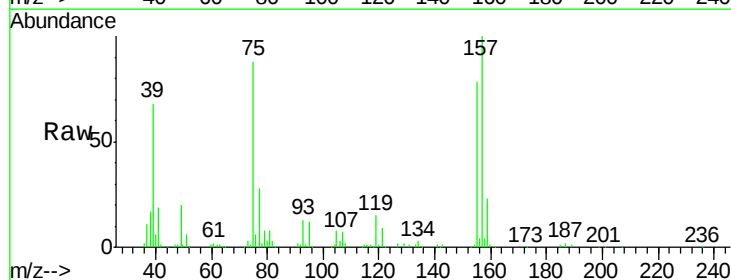
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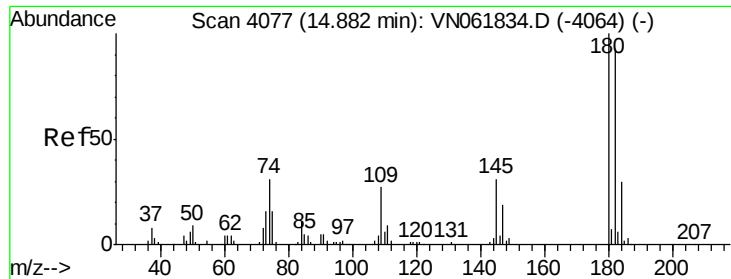
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 146.674 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	44.4	133.2
157	113.1	57.0	171.2





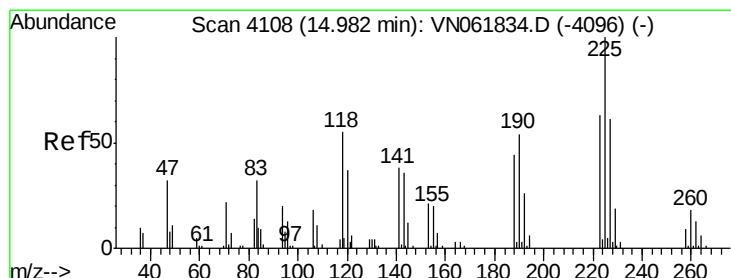
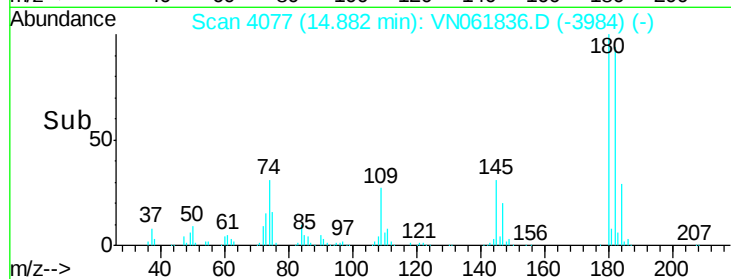
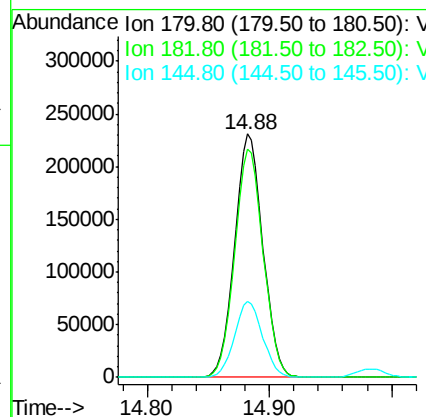
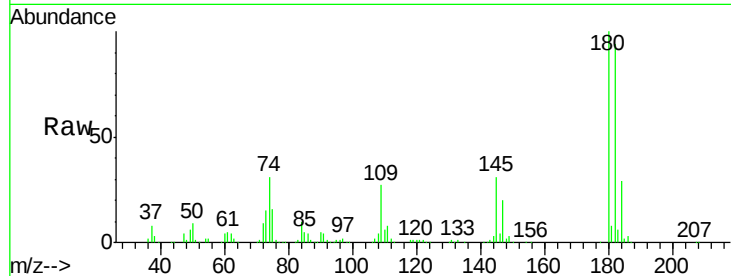
#93
 1,2,4-Trichlorobenzene
 Concen: 146.372 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	372012		
182	94.5	47.0	141.2	
145	31.0	15.8	47.3	

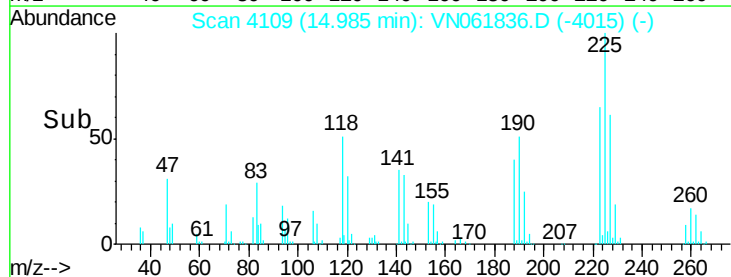
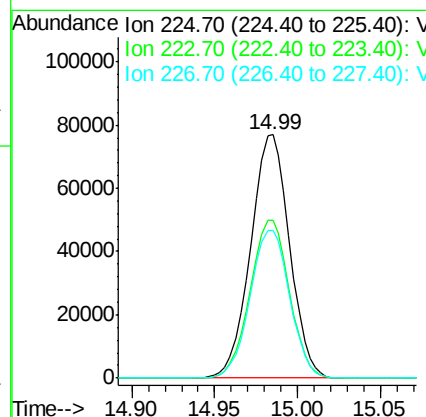
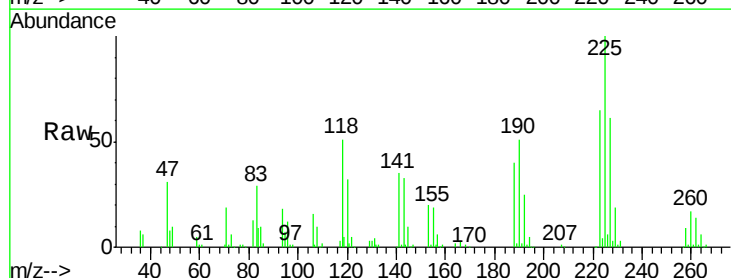
Manual Integrations
 APPROVED

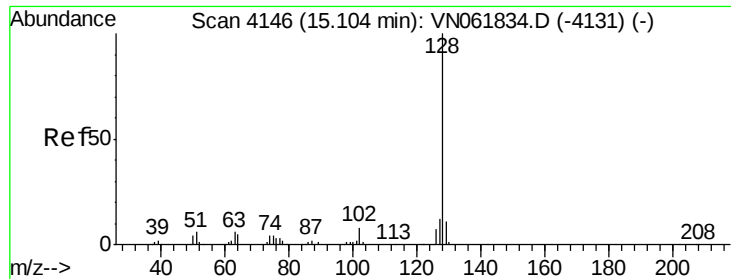
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#94
 Hexachlorobutadiene
 Concen: 115.841 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061836.D
 Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125206		
223	65.6	31.7	95.1	
227	61.8	30.1	90.3	





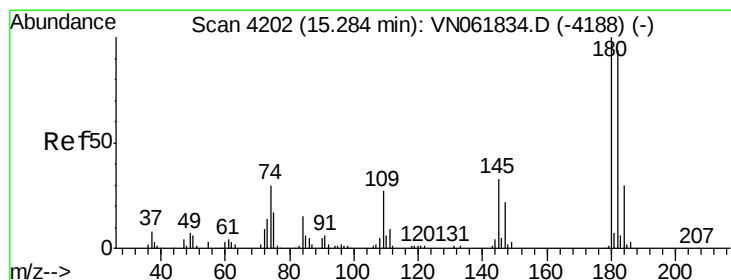
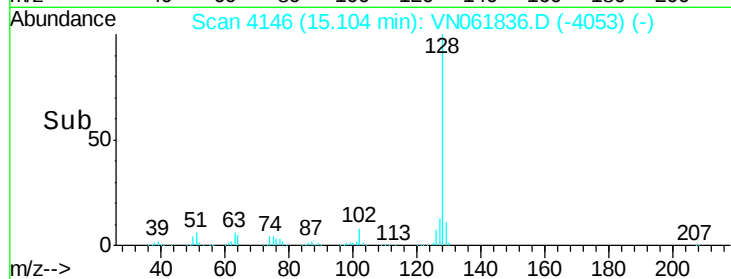
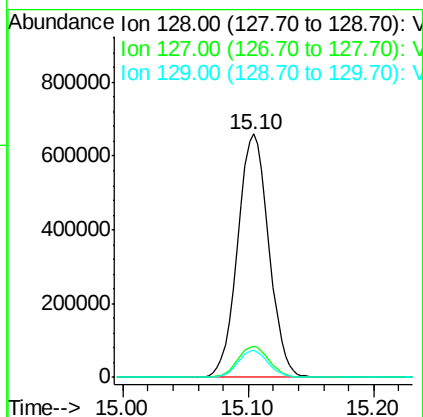
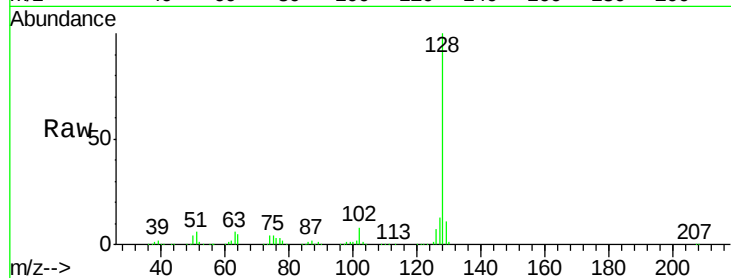
#95
Naphthalene
Concen: 148.772 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 144.736 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061836.D
Acq: 16 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.6
145	32.6	16.5	49.5

