

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061915.D
 Acq On : 18 Jun 2020 21:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/19/2020 1:03:29 PM

Quant Time: Jun 19 06:39:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	144287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	254514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	117307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	99589	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	7.55	113	85323	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.06	98	323575	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.37	95	109685	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	97341	51.838	ug/l	99
3) Chloromethane	2.03	50	108403	54.126	ug/l	98
4) Vinyl Chloride	2.16	62	136021	56.971	ug/l	99
5) Bromomethane	2.52	94	92620	50.516	ug/l	99
6) Chloroethane	2.66	64	91999	56.935	ug/l	97
7) Trichlorofluoromethane	2.98	101	156238	54.784	ug/l	95
8) Diethyl Ether	3.37	74	54692	57.044	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	75329	51.485	ug/l	99
10) Methyl Iodide	3.91	142	96383	54.095	ug/l	99
11) Tert butyl alcohol	4.73	59	68934	257.429	ug/l	99
12) 1,1-Dichloroethene	3.69	96	80484	54.900	ug/l	97
13) Acrolein	3.57	56	42762	267.188	ug/l	98
14) Allyl chloride	4.27	41	103225	53.052	ug/l	98
15) Acrylonitrile	4.93	53	193826	292.121	ug/l	100
16) Acetone	3.77	43	146613	256.499	ug/l	98
17) Carbon Disulfide	4.01	76	220085	51.307	ug/l	99
18) Methyl Acetate	4.28	43	90705	55.119	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	275376	56.415	ug/l	99
20) Methylene Chloride	4.50	84	99380	53.366	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	89968	53.428	ug/l	99
22) Diisopropyl ether	5.90	45	244160	54.868	ug/l	100
23) Vinyl Acetate	5.84	43	985440	281.559	ug/l	100
24) 1,1-Dichloroethane	5.80	63	159243	54.666	ug/l	98
25) 2-Butanone	6.79	43	236440	283.516	ug/l	97
26) 2,2-Dichloropropane	6.78	77	113854	46.456	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	105329	54.210	ug/l	98
28) Bromochloromethane	7.15	49	67827	52.294	ug/l	100
29) Tetrahydrofuran	7.17	42	155681	283.658	ug/l	99
30) Chloroform	7.33	83	169331	54.390	ug/l	100
31) Cyclohexane	7.61	56	117471	46.065	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	143917	54.280	ug/l	98
36) 1,1-Dichloropropene	7.75	75	119025	51.272	ug/l	99
37) Ethyl Acetate	6.88	43	103540	57.115	ug/l	97
38) Carbon Tetrachloride	7.73	117	121177	52.711	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	122206	48.888	ug/l	99
40) Benzene	8.00	78	374809	53.299	ug/l	100
41) Methacrylonitrile	7.13	41	43752m	56.440	ug/l	
42) 1,2-Dichloroethane	8.09	62	129329	53.937	ug/l	99
43) Isopropyl Acetate	8.13	43	167796	54.924	ug/l	99
44) Trichloroethene	8.80	130	97049	52.439	ug/l	96
45) 1,2-Dichloropropane	9.08	63	94017	54.403	ug/l	99
46) Dibromomethane	9.18	93	68260	56.091	ug/l	98
47) Bromodichloromethane	9.37	83	136044	54.594	ug/l	97
48) Methyl methacrylate	9.17	41	78974	56.844	ug/l	97
49) 1,4-Dioxane	9.17	88	34049	1067.462	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	515189	285.371	ug/l	100
52) Toluene	10.12	92	239024	54.121	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	144077	54.464	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	154145	53.648	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	99034	56.993	ug/l	98
56) Ethyl methacrylate	10.40	69	136671	51.406	ug/l	99
57) 1,3-Dichloropropane	10.68	76	165568	56.243	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	240207	261.929	ug/l	100
59) 2-Hexanone	10.72	43	376396	260.381	ug/l	100
60) Dibromochloromethane	10.87	129	110335	56.905	ug/l	99
61) 1,2-Dibromoethane	10.98	107	100047	55.139	ug/l	98
64) Tetrachloroethene	10.60	164	78700	51.165	ug/l	99
65) Chlorobenzene	11.41	112	265348	52.108	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	98388	55.399	ug/l	99
67) Ethyl Benzene	11.48	91	449391	52.635	ug/l	99
68) m/p-Xylenes	11.59	106	352859	107.179	ug/l	99
69) o-Xylene	11.92	106	170148	54.165	ug/l	98
70) Styrene	11.94	104	295081	56.102	ug/l	100
71) Bromoform	12.10	173	74700	57.685	ug/l #	98
73) Isopropylbenzene	12.22	105	431205	51.728	ug/l	99
74) N-amyl acetate	12.04	43	152461	50.473	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	145752	53.779	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	128662m	55.866	ug/l	
77) Bromobenzene	12.50	156	113743	54.085	ug/l	97
78) n-propylbenzene	12.57	91	490050	51.521	ug/l	99
79) 2-Chlorotoluene	12.65	91	295148	51.665	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	368684	53.459	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	44426	52.613	ug/l	98
82) 4-Chlorotoluene	12.75	91	308260	52.221	ug/l	100
83) tert-Butylbenzene	12.97	119	303003	51.825	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	371975	54.640	ug/l	99
85) sec-Butylbenzene	13.15	105	400089	52.281	ug/l	99
86) p-Isopropyltoluene	13.26	119	365666	53.624	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	201246	52.467	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	202434	51.559	ug/l	100
89) n-Butylbenzene	13.59	91	292279	51.323	ug/l	99
90) Hexachloroethane	13.85	117	66697	53.432	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	198914	53.868	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24881	56.549	ug/l	98

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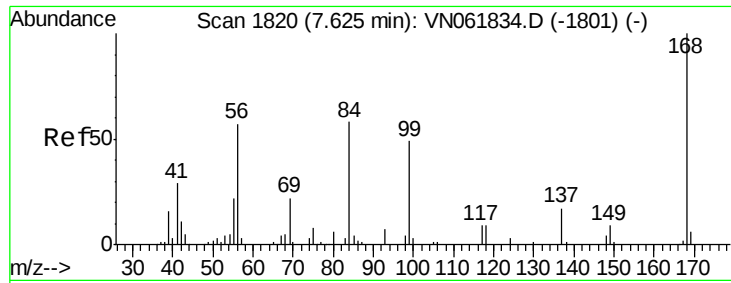
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	93485	53.651	ug/l	98
94) Hexachlorobutadiene	14.98	225	34495	50.264	ug/l	100
95) Naphthalene	15.10	128	281442	48.355	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	95008	55.055	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 144287

Ion Ratio Lower Upper

168 100

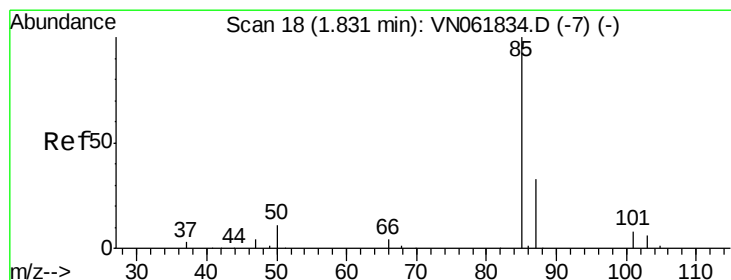
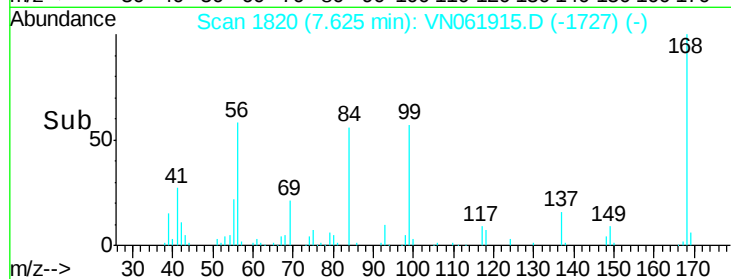
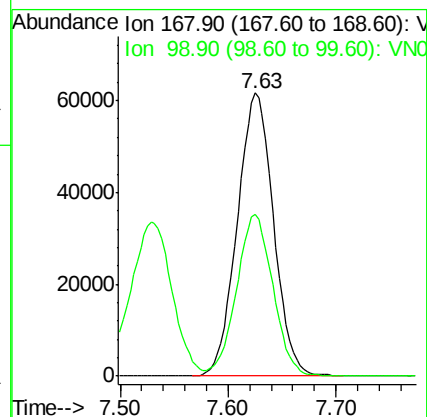
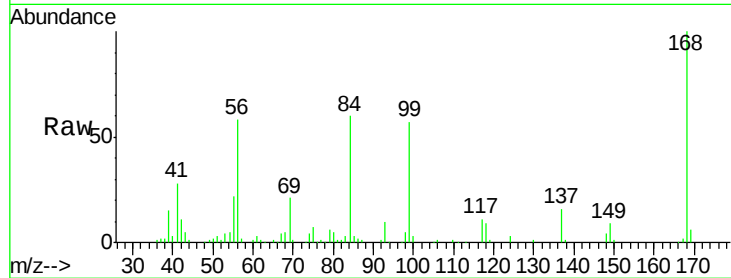
99 56.9 44.6 67.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 51.838 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061915.D

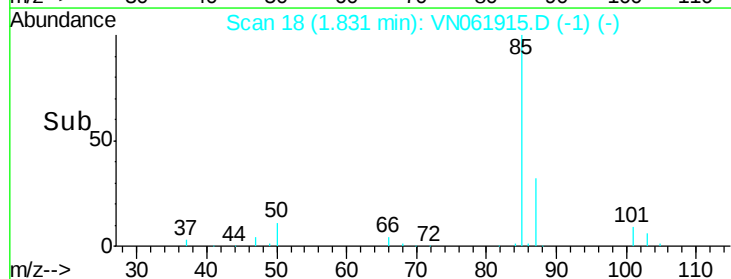
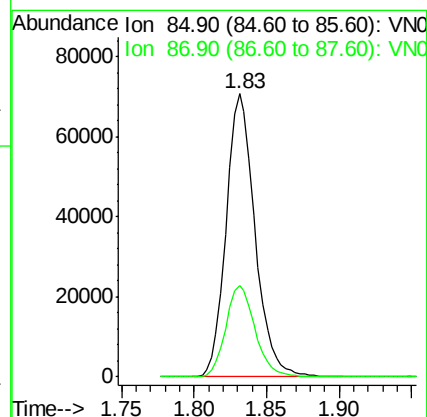
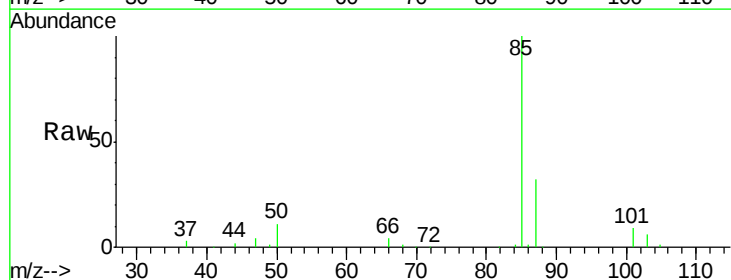
Acq: 18 Jun 2020 21:16

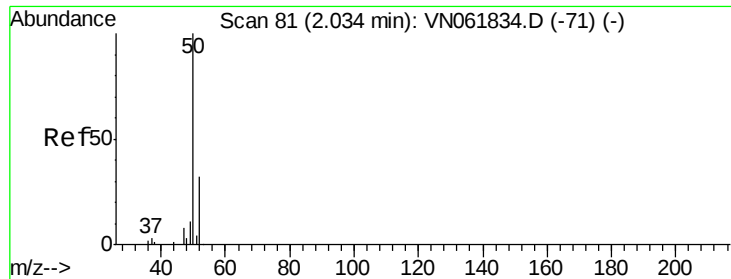
Tgt Ion: 85 Resp: 97341

Ion Ratio Lower Upper

85 100

87 32.5 16.6 49.8





#3

Chloromethane

Concen: 54.126 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108403

Ion Ratio Lower Upper

50 100

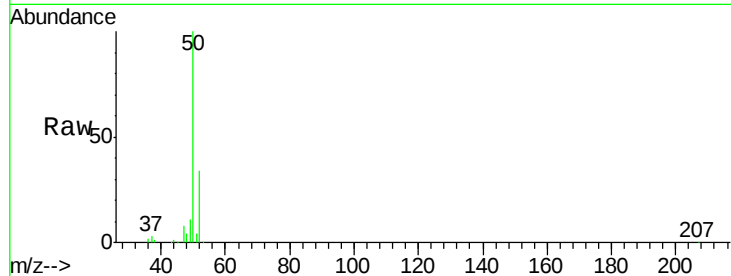
52 33.8 26.0 39.0

Manual Integrations

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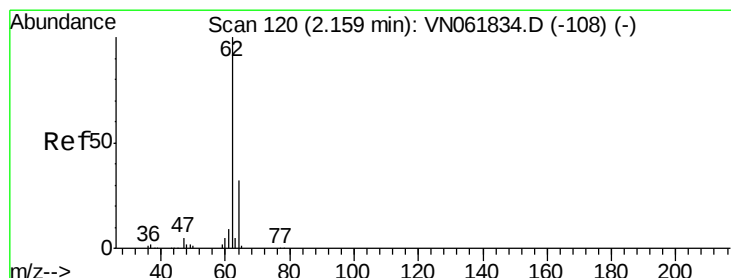
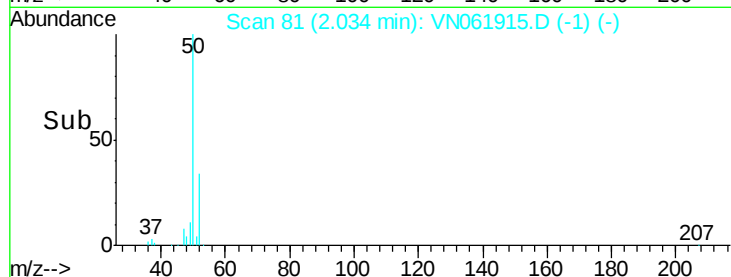
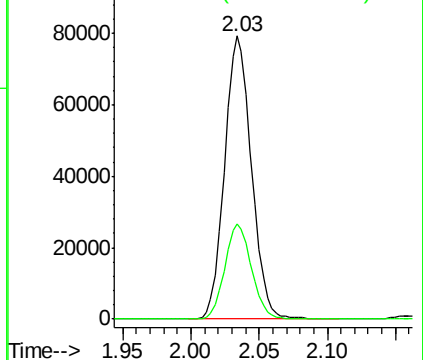
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 56.971 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061915.D

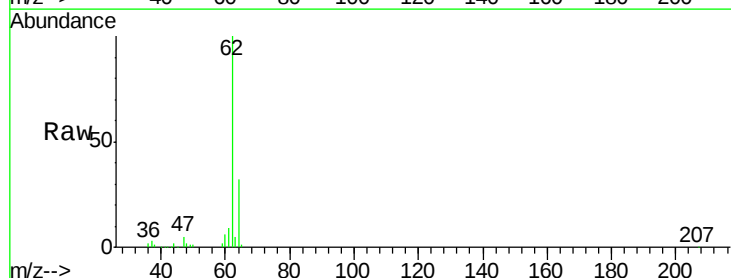
Acq: 18 Jun 2020 21:16

Tgt Ion: 62 Resp: 136021

Ion Ratio Lower Upper

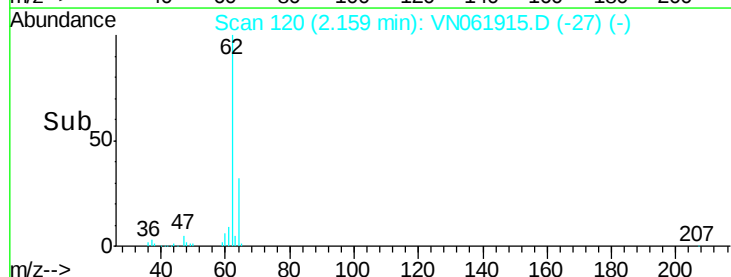
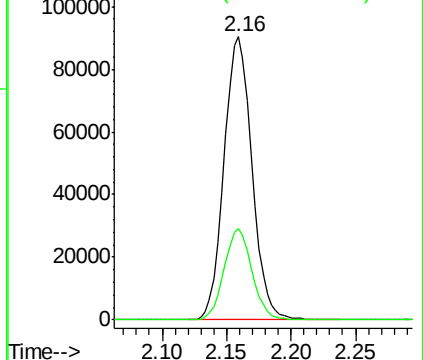
62 100

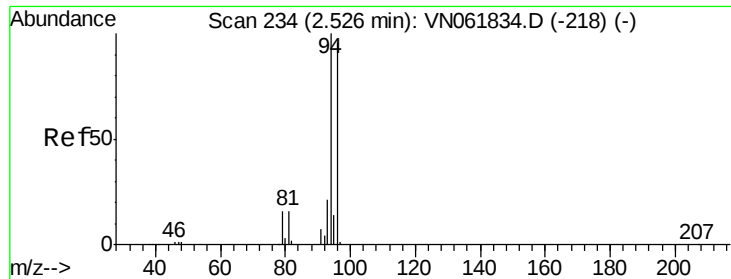
64 32.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.516 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 92620

Ion Ratio Lower Upper

94 100

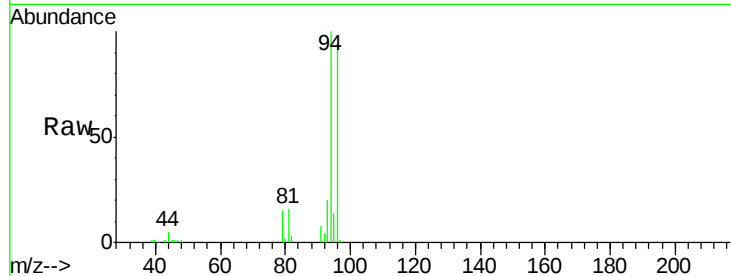
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Manual Integrations

APPROVED

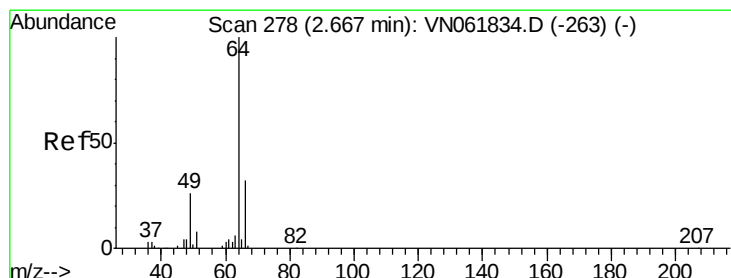
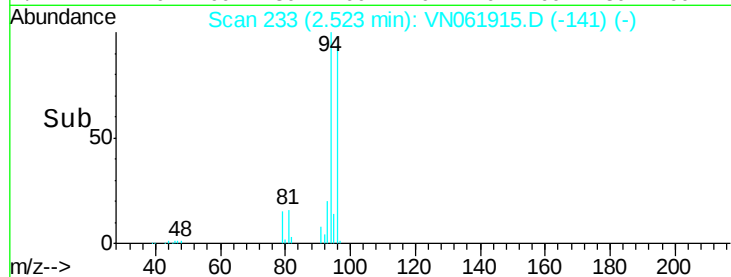
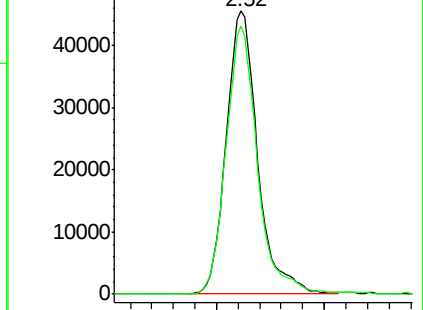
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 56.935 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN061915.D

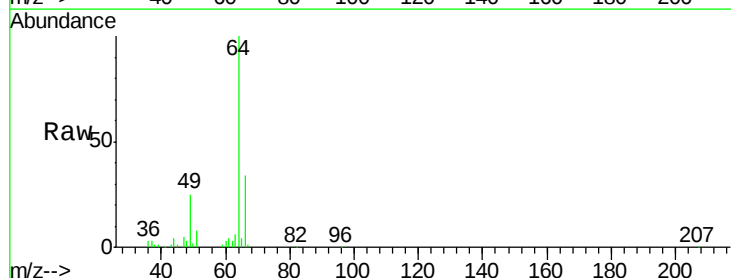
Acq: 18 Jun 2020 21:16

Tgt Ion: 64 Resp: 91999

Ion Ratio Lower Upper

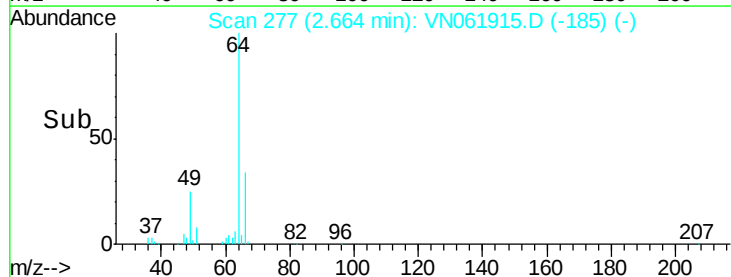
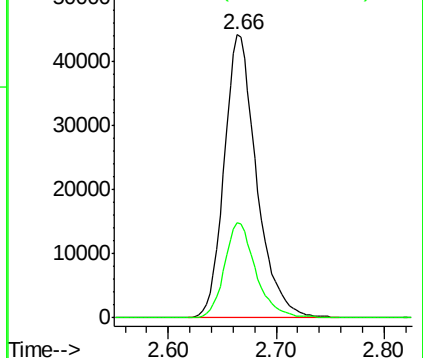
64 100

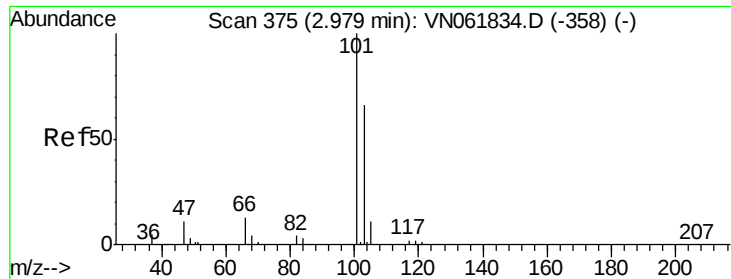
66 33.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

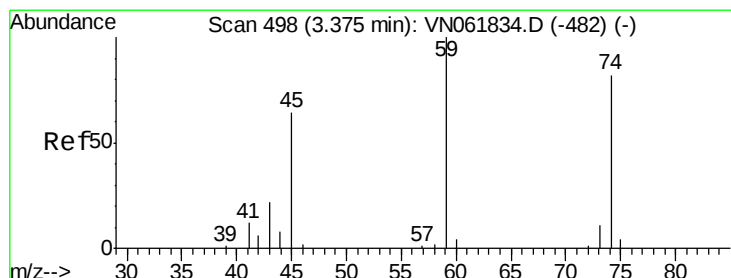
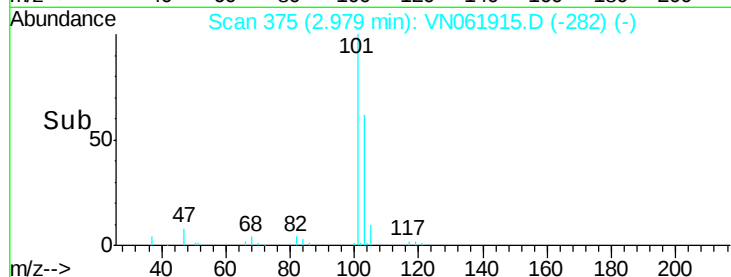
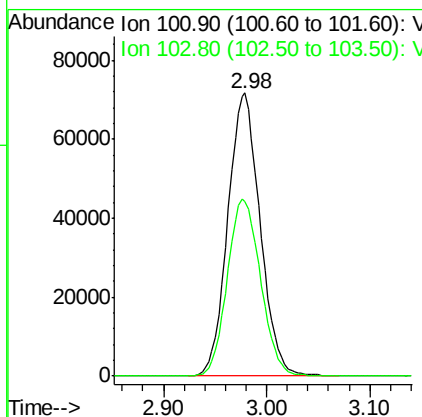
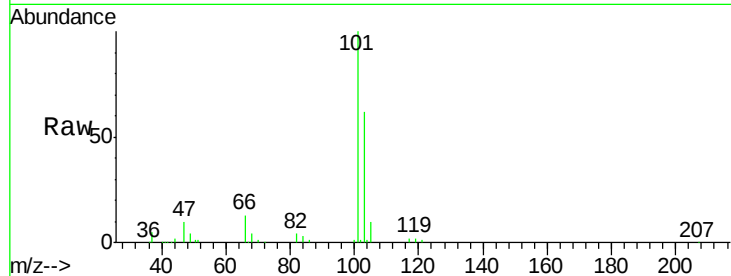
Trichlorofluoromethane
Concen: 54.784 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	52.8	79.2

Manual Integrations
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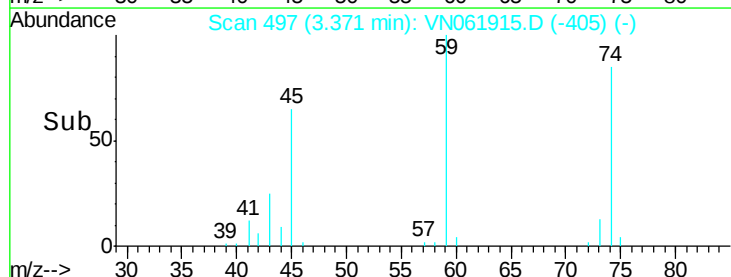
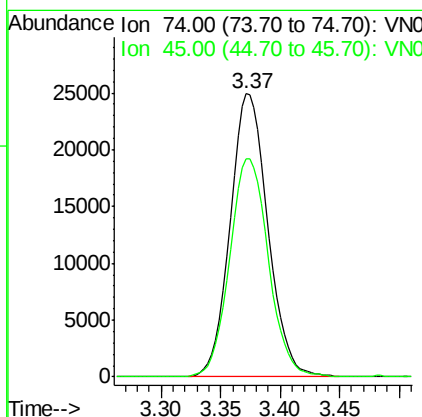
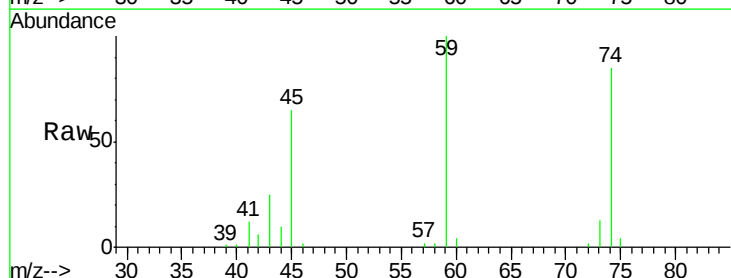
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6/19/2020 1:03:29 PM

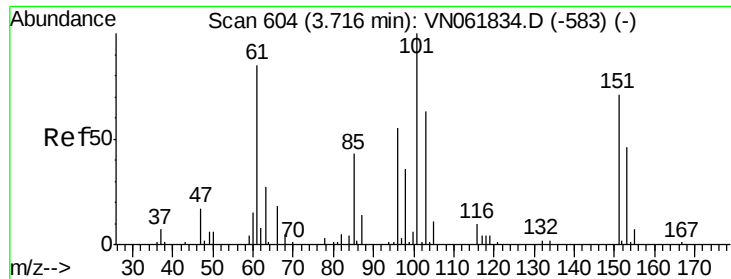


#8

Diethyl Ether
Concen: 57.044 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.4	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.485 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

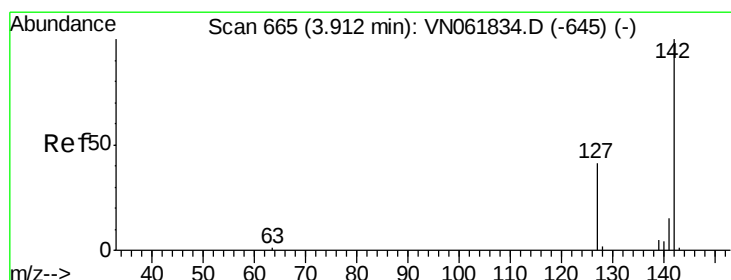
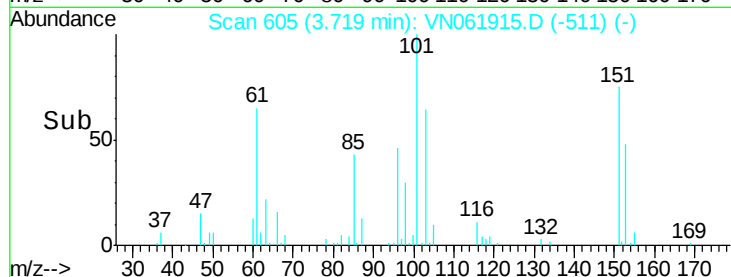
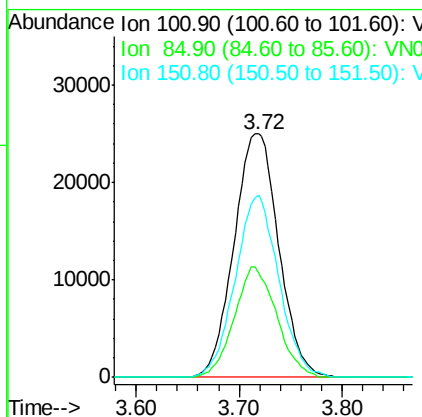
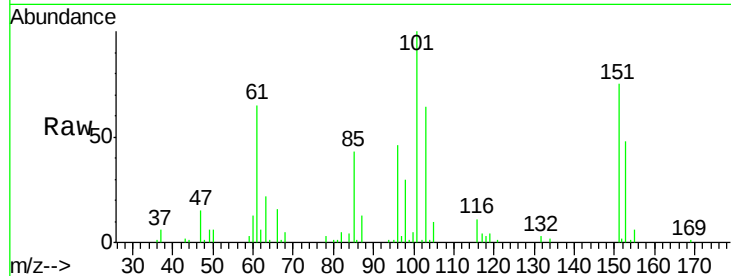
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	75329
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.0	52.6
151	72.7	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 54.095 ug/l

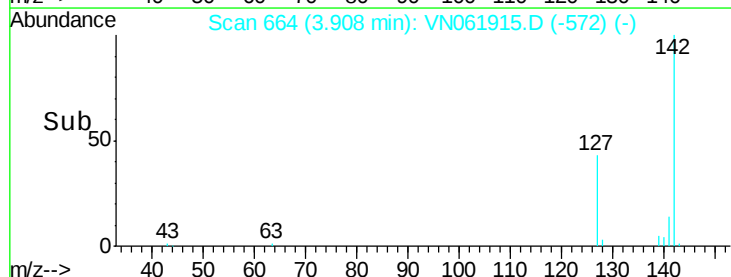
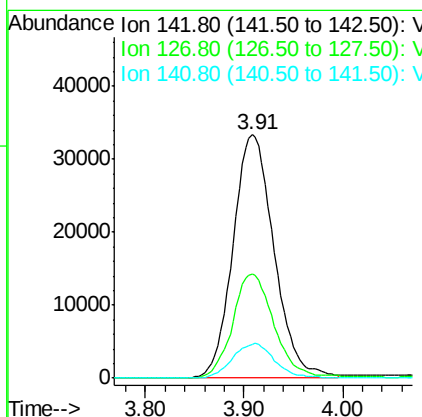
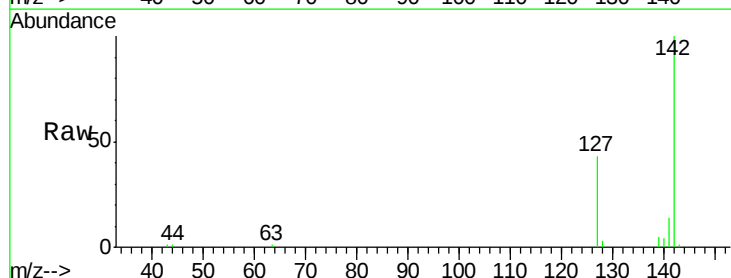
RT: 3.91 min Scan# 664

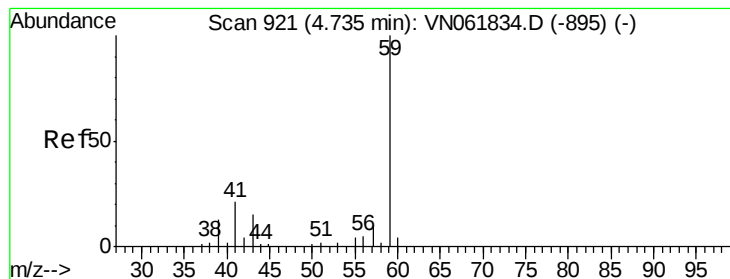
Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Tgt Ion:	142	Resp:	96383
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.4	50.0
141	14.5	11.3	16.9





#11

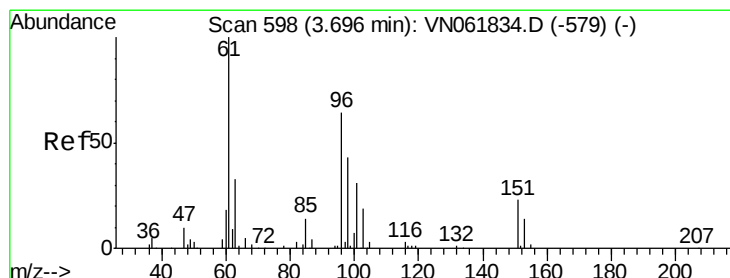
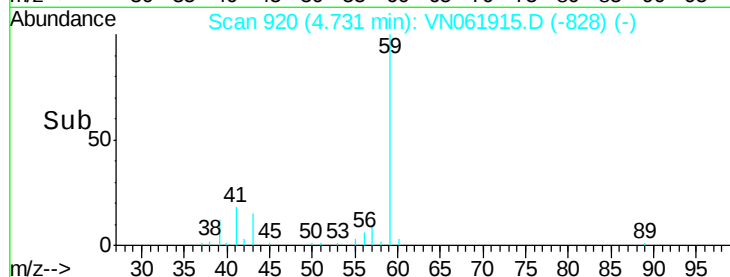
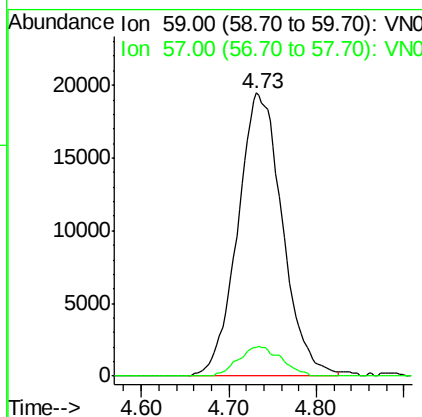
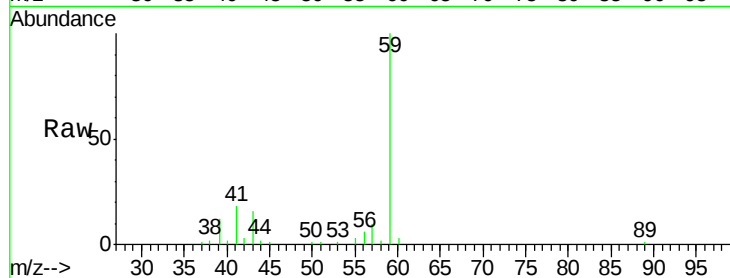
Tert butyl alcohol
Concen: 257.429 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.0	Resp	68934	Lower	7.7	Upper	11.5
Ion	59	57	Ratio	100	10.0	Resp	68934	Lower	7.7	Upper	11.5

Manual Integrations
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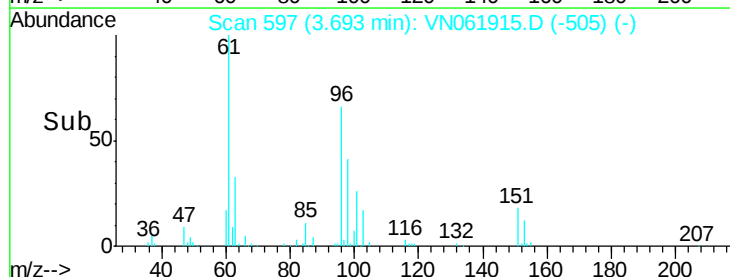
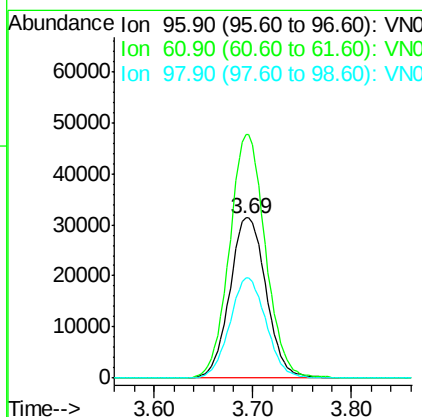
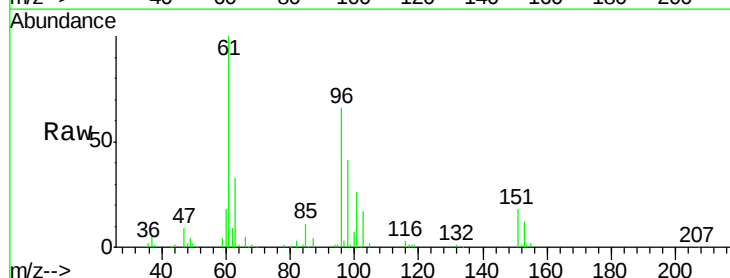
MMDadoda
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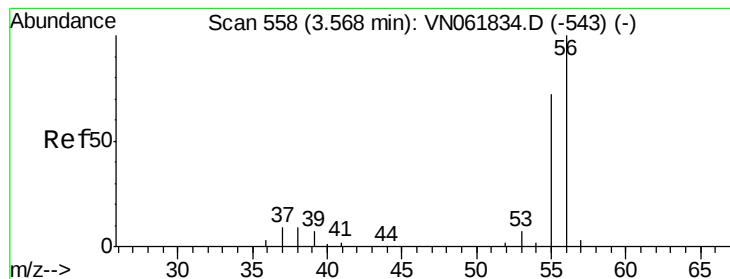


#12

1,1-Dichloroethene
Concen: 54.900 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	96	61	98	Ratio	100	151.9	62.8	Resp	80484	Lower	124.3	53.1	Upper	186.5	79.7
Ion	96	61	98	Ratio	100	151.9	62.8	Resp	80484	Lower	124.3	53.1	Upper	186.5	79.7





#13

Acrolein

Concen: 267.188 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 42762

Ion Ratio Lower Upper

56 100

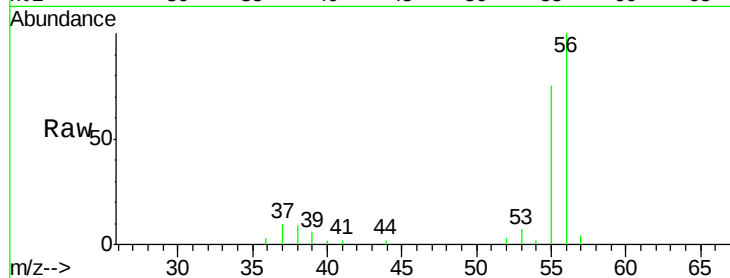
55 71.6 56.2 84.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN061834.D (-543) (-)

20000

15000

10000

5000

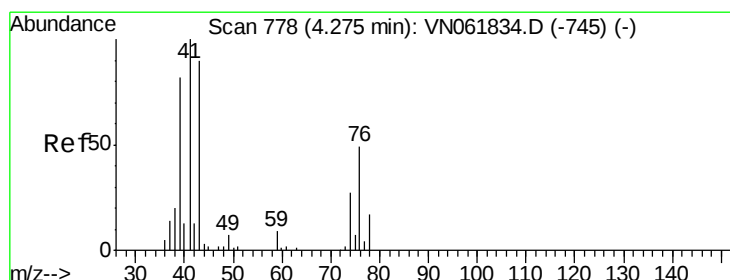
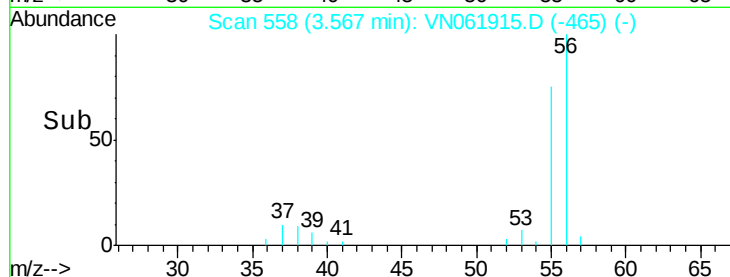
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 53.052 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

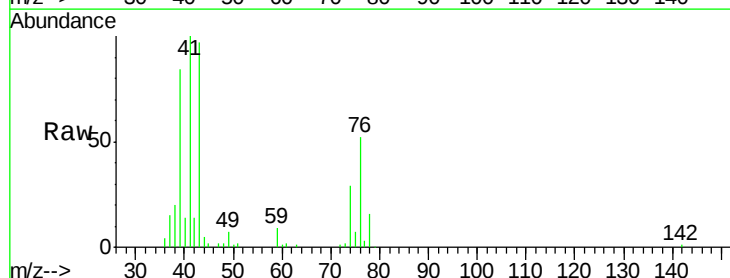
Tgt Ion: 41 Resp: 103225

Ion Ratio Lower Upper

41 100

39 76.9 60.2 90.2

76 46.0 36.3 54.5



Abundance Ion 41.00 (40.70 to 41.70): VN061834.D (-745) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-745) (-)

Ion 75.90 (75.60 to 76.60): VN061834.D (-745) (-)

40000

30000

20000

10000

0

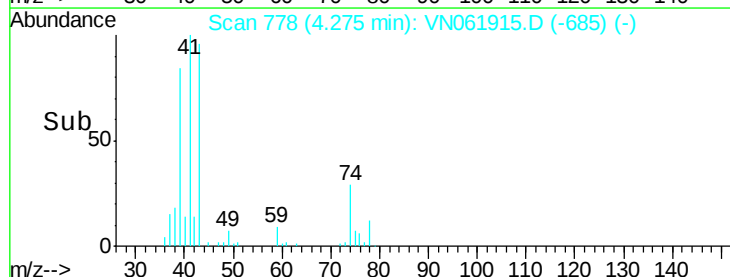
Time-->

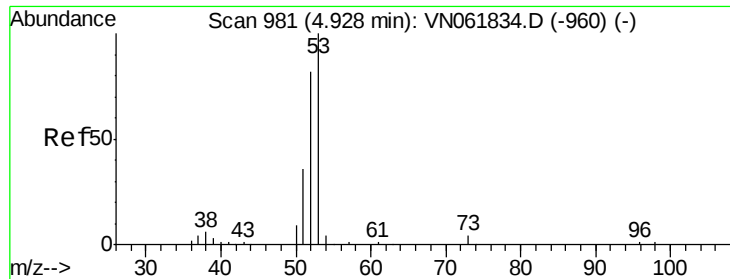
4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 292.121 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

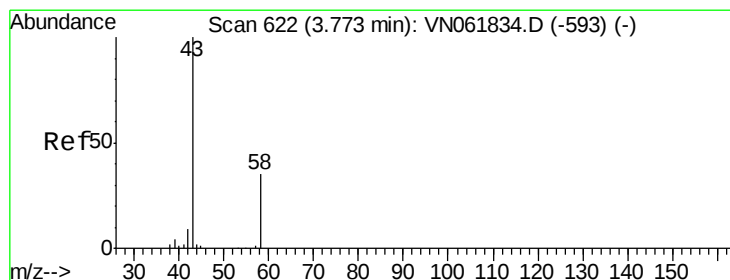
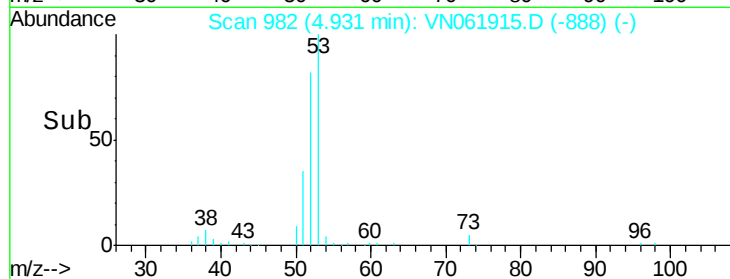
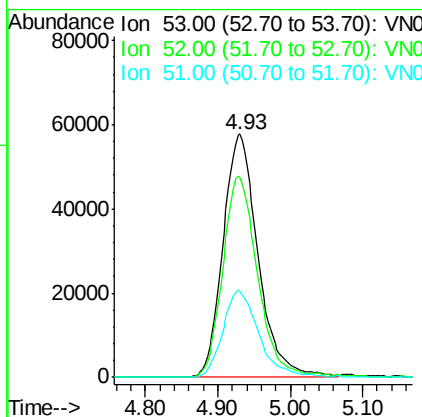
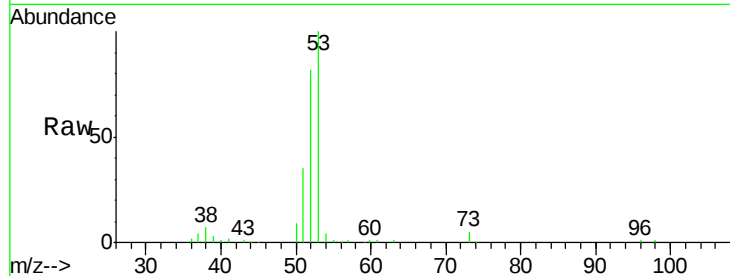
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	193826
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.2	97.8
51	36.0	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 256.499 ug/l

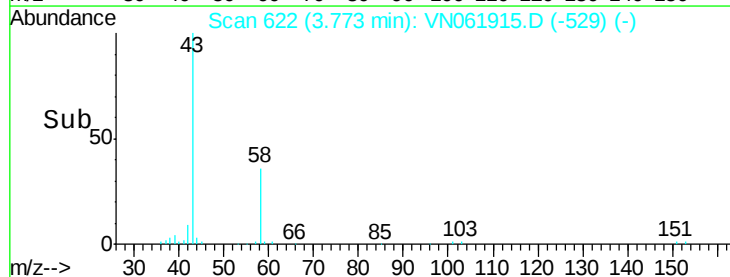
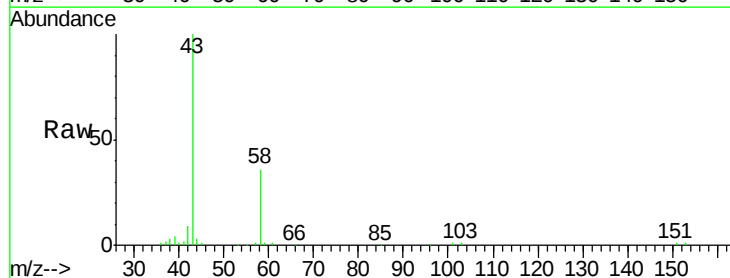
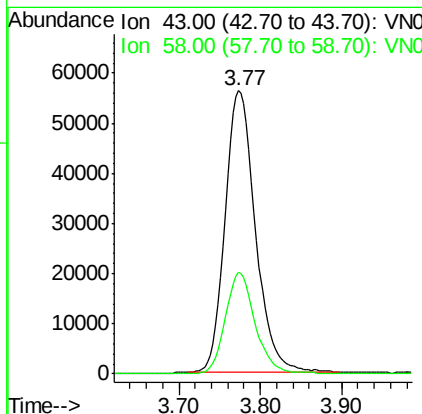
RT: 3.77 min Scan# 622

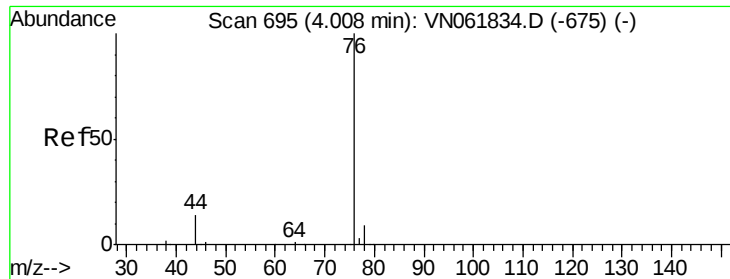
Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Tgt Ion:	43	Resp:	146613
Ion Ratio	Lower	Upper	
43	100		
58	36.0	27.8	41.8





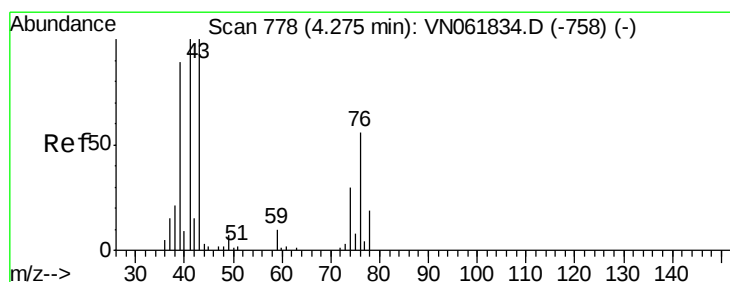
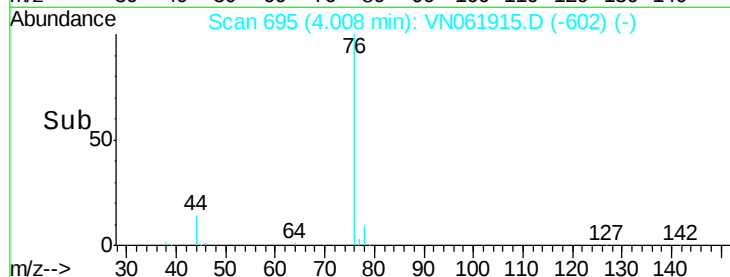
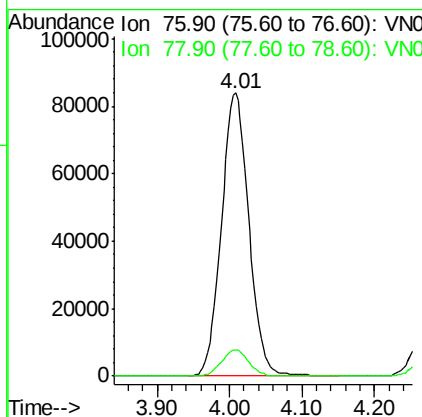
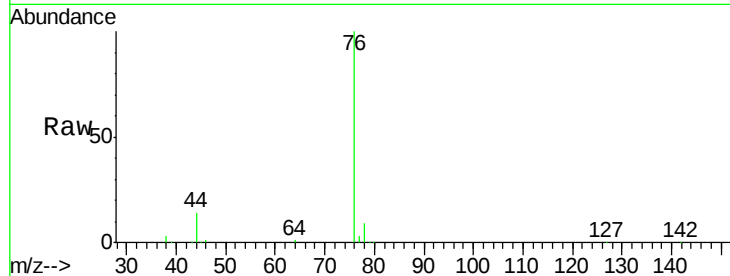
#17
Carbon Disulfide
Concen: 51.307 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

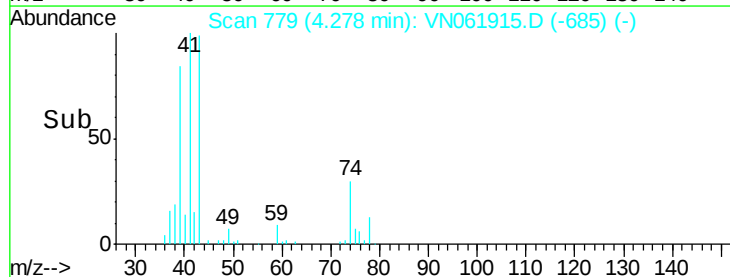
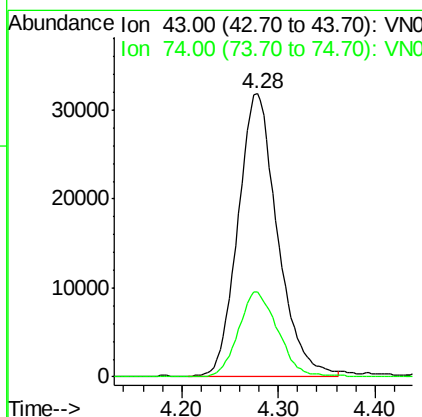
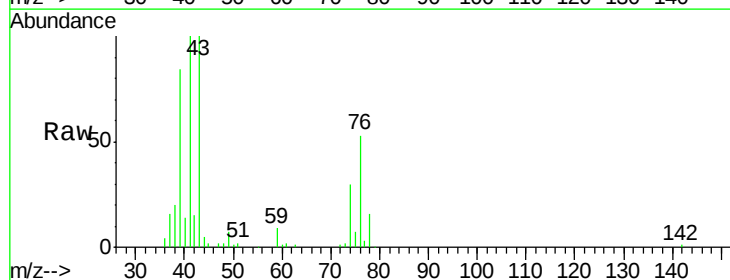
Manual Integrations
APPROVED

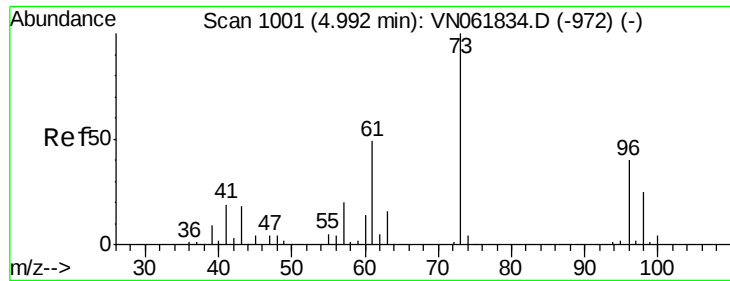
MMDadoda
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#18
Methyl Acetate
Concen: 55.119 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.9	23.0	34.4





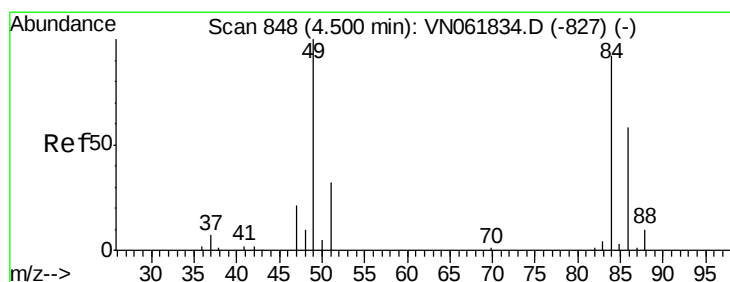
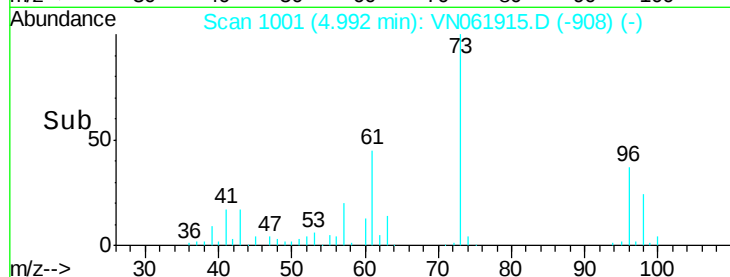
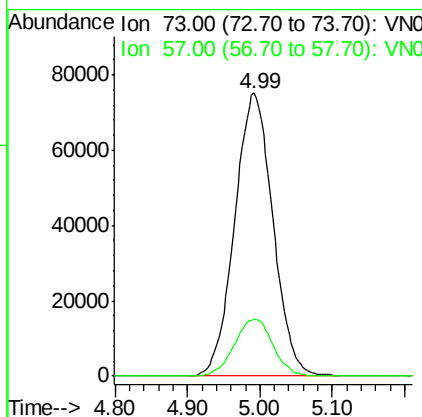
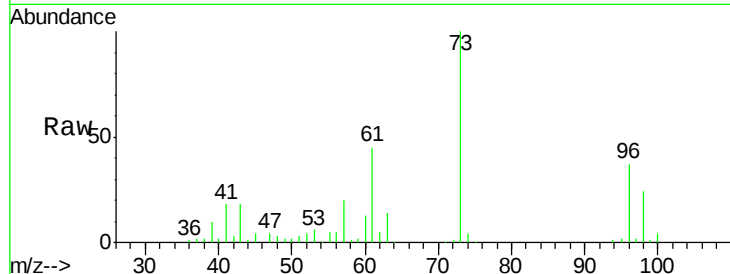
#19
Methvl tert-butvl Ether
Concen: 56.415 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 275376
Ion Ratio Lower Upper
73 100
57 19.9 16.2 24.4

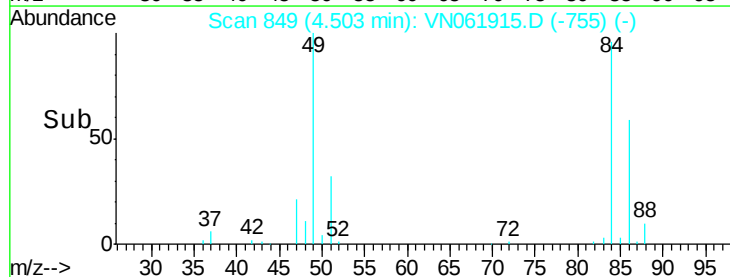
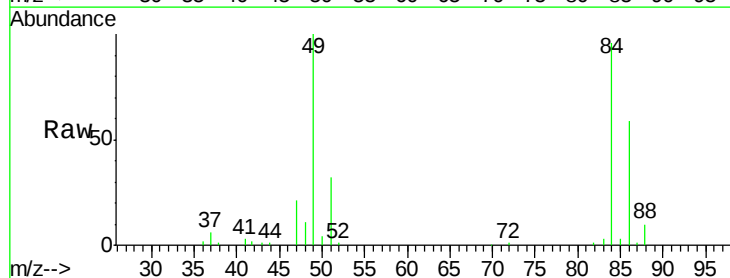
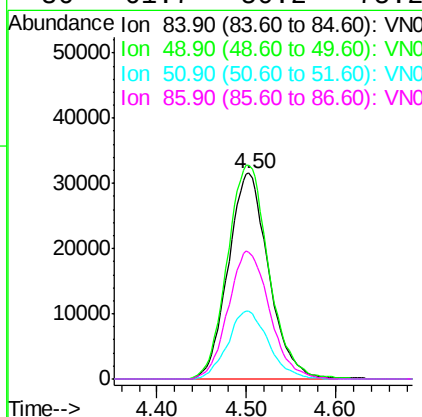
Manual Integrations
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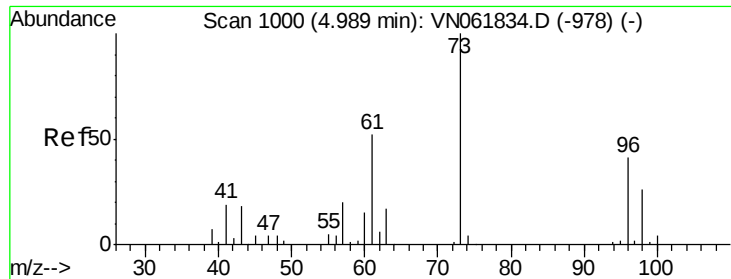
MMDadoda
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#20
Methylene Chloride
Concen: 53.366 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion: 84 Resp: 99380
Ion Ratio Lower Upper
84 100
49 103.7 87.0 130.4
51 32.9 27.8 41.6
86 61.7 50.2 75.2





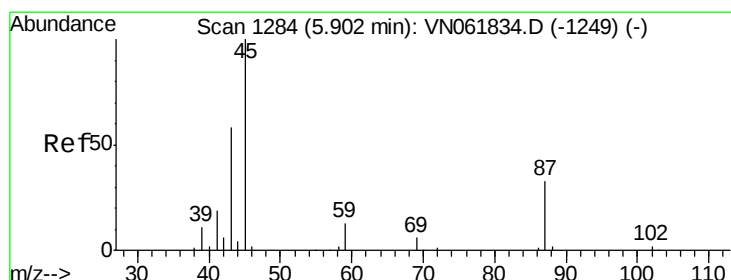
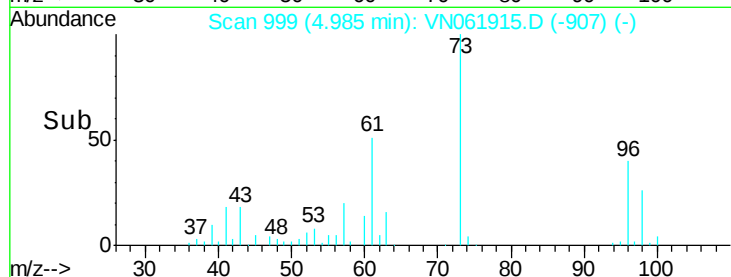
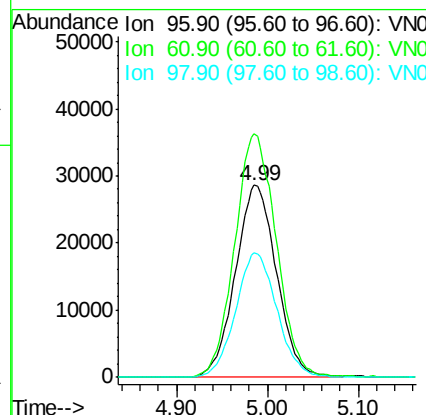
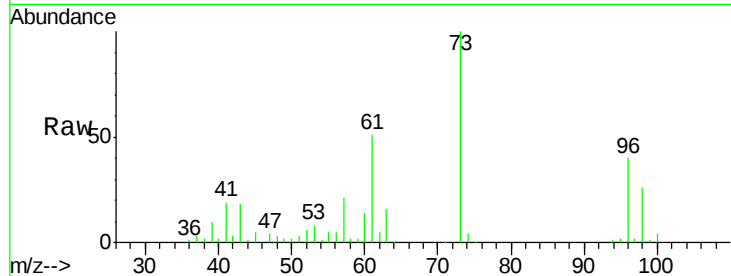
#21
trans-1,2-Dichloroethene
Concen: 53.428 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.6	102.2	153.4
98	64.6	51.2	76.8

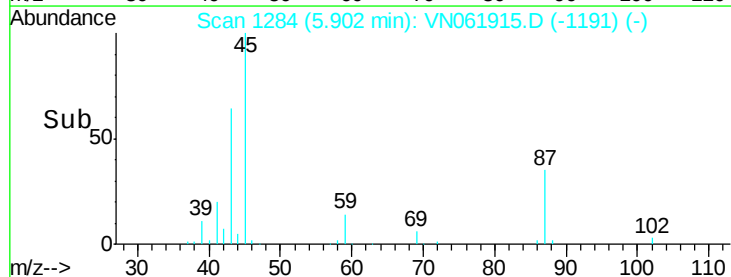
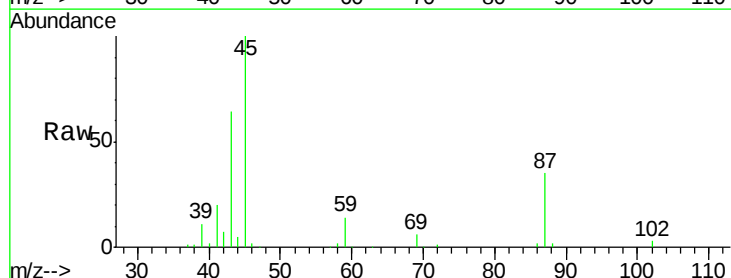
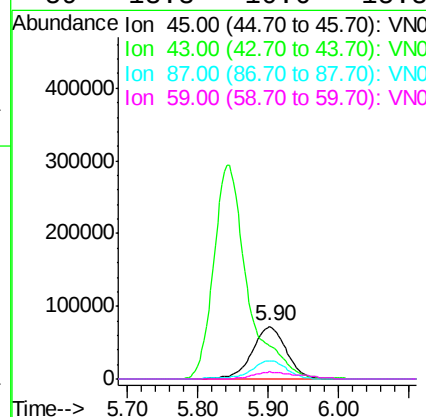
Manual Integrations
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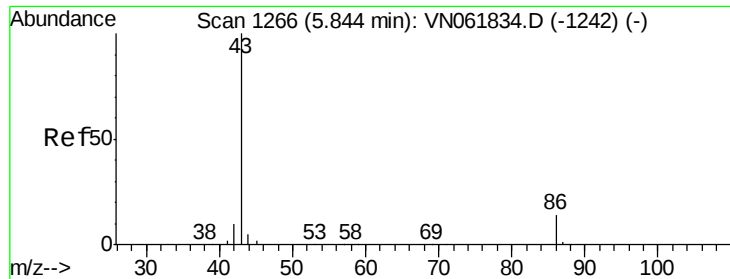
MMDadoda
6/19/2020 1:03:29 PM



#22
Diisopropyl ether
Concen: 54.868 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	49.4	74.2
87	34.6	27.4	41.0
59	13.3	10.6	15.8





#23

Vinyl Acetate

Concen: 281.559 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 985440

Ion Ratio Lower Upper

43 100

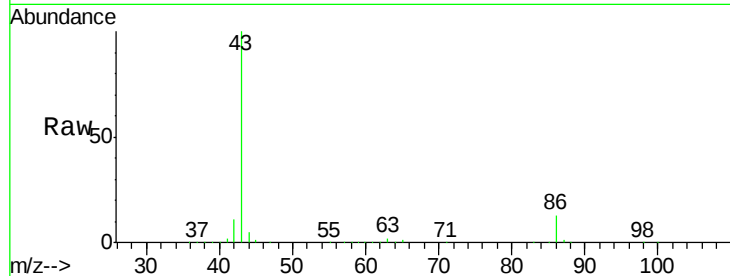
86 13.4 10.9 16.3

Manual Integrations

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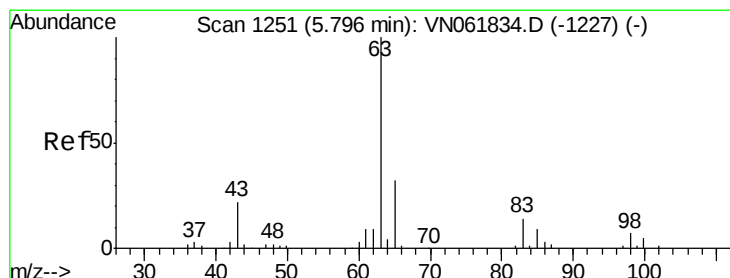
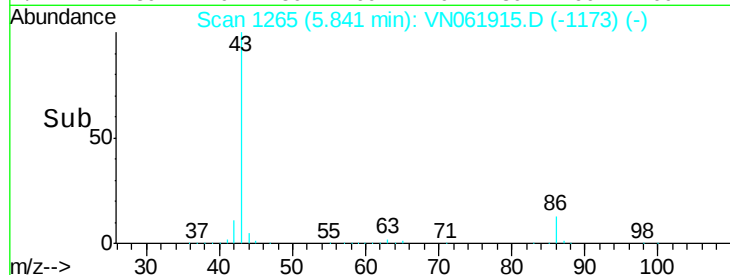
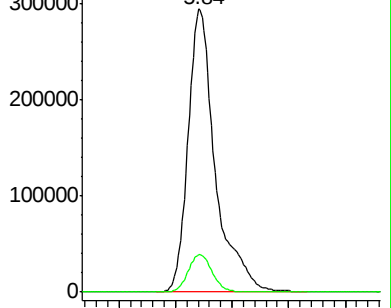
MMDadoda

6/19/2020 1:03:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 54.666 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

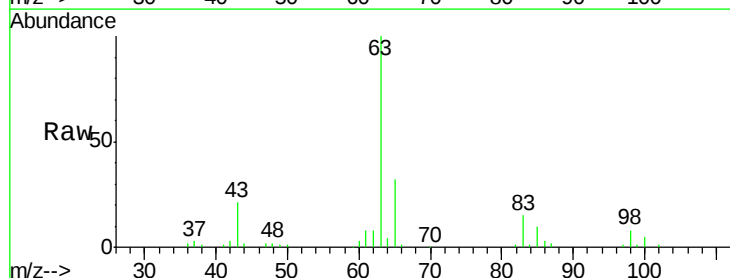
Tgt Ion: 63 Resp: 159243

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

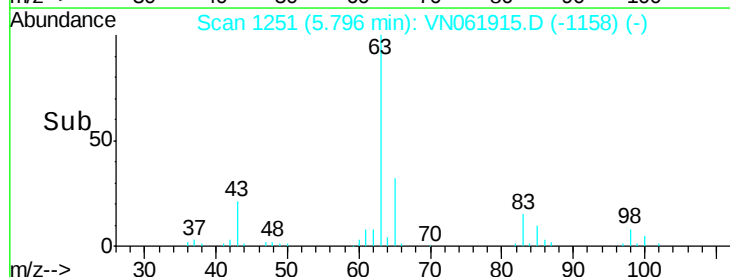
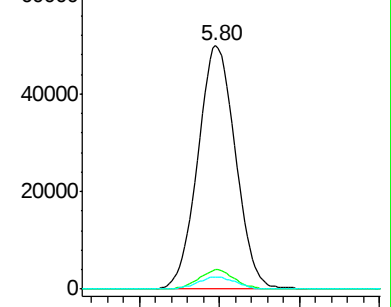
100 5.0 2.5 7.4

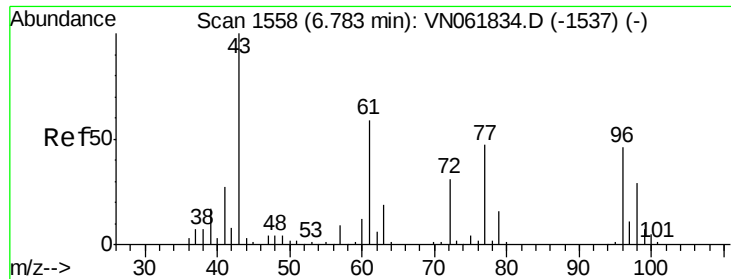


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 283.516 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 236440

Ion Ratio Lower Upper

43 100

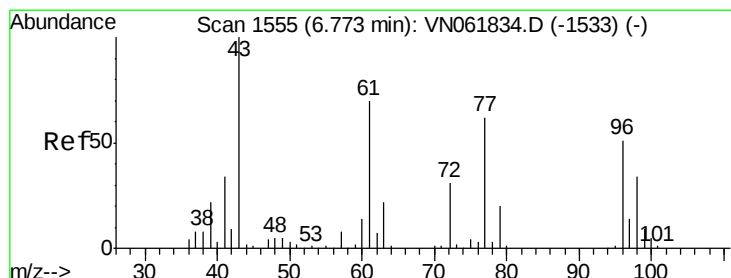
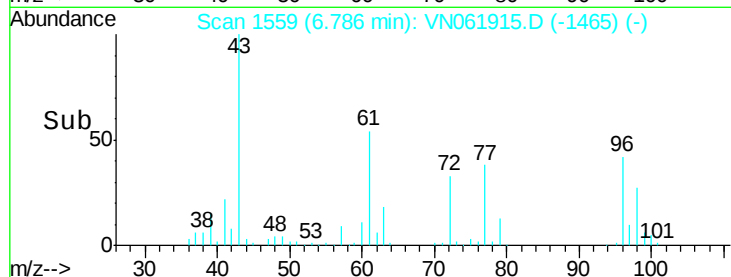
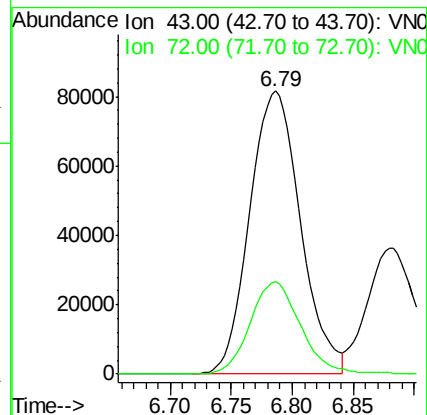
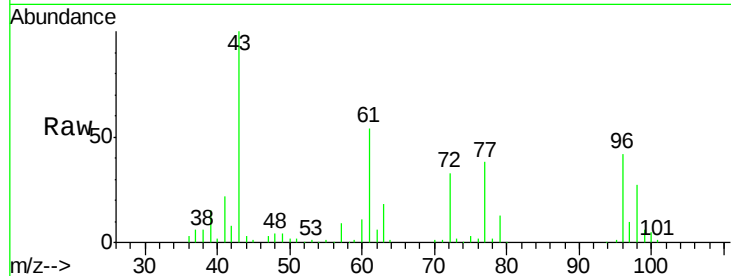
72 32.7 24.6 37.0

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#26

2,2-Dichloropropane

Concen: 46.456 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061915.D

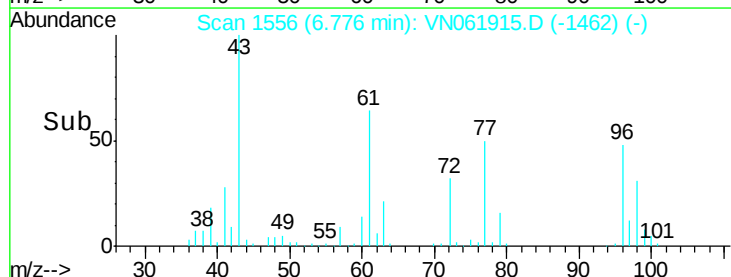
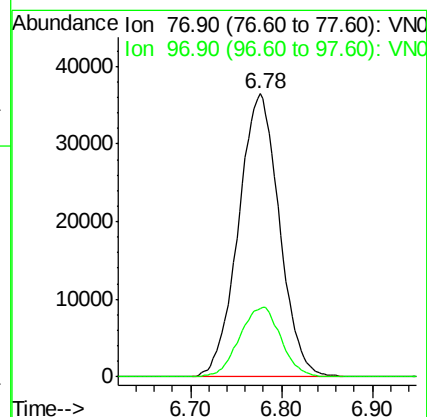
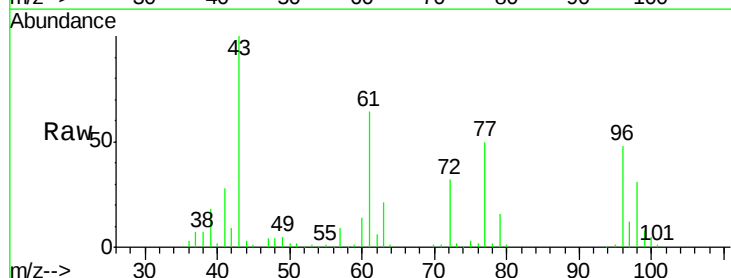
Acq: 18 Jun 2020 21:16

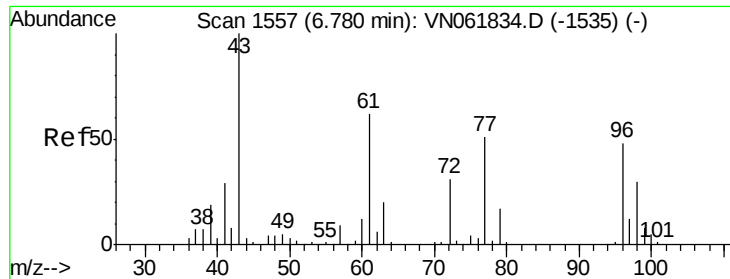
Tgt Ion: 77 Resp: 113854

Ion Ratio Lower Upper

77 100

97 24.9 11.7 35.0





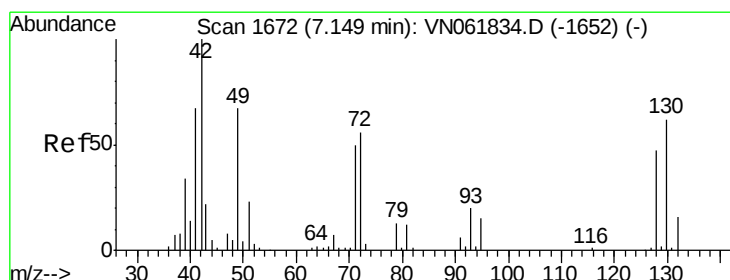
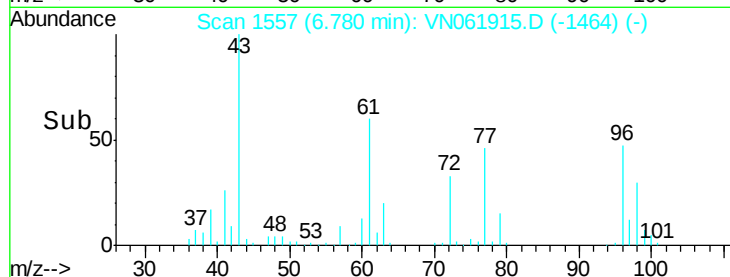
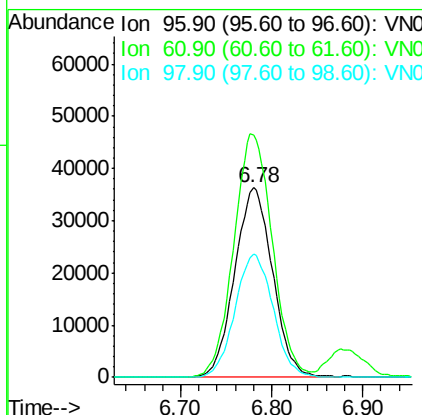
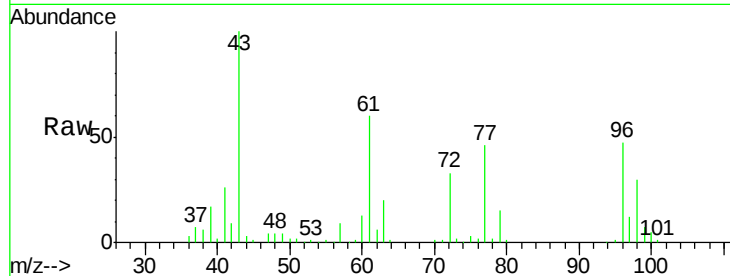
#27
 cis-1,2-Dichloroethene
 Concen: 54.210 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.6	0.0	265.6	
98	65.1	0.0	128.2	

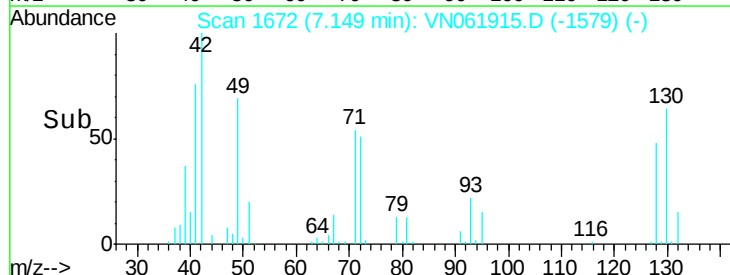
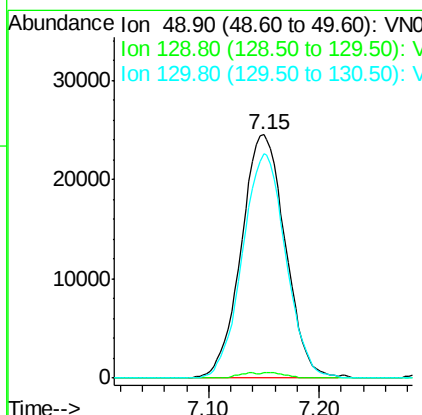
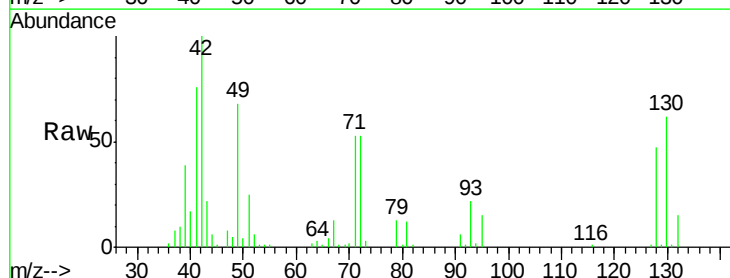
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#28
 Bromochloromethane
 Concen: 52.294 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	4.0	
130	90.6	72.2	108.2	





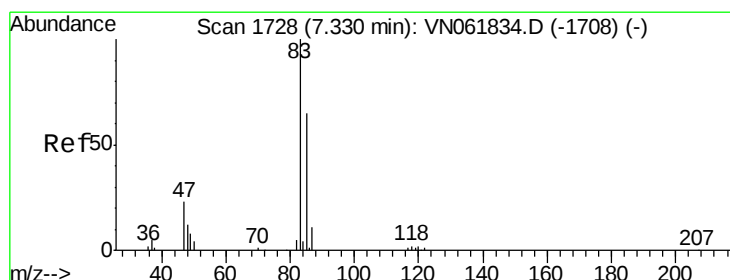
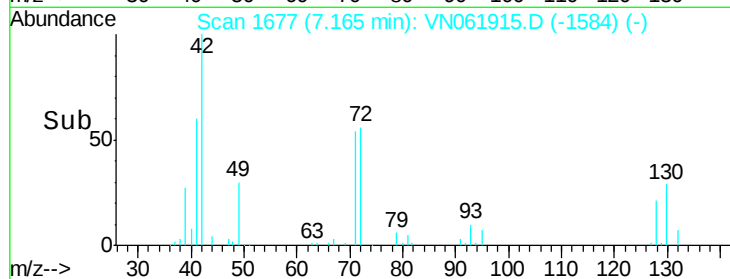
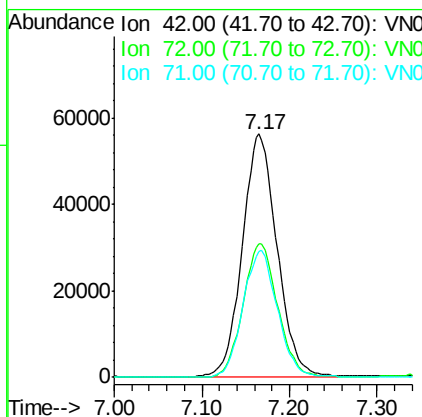
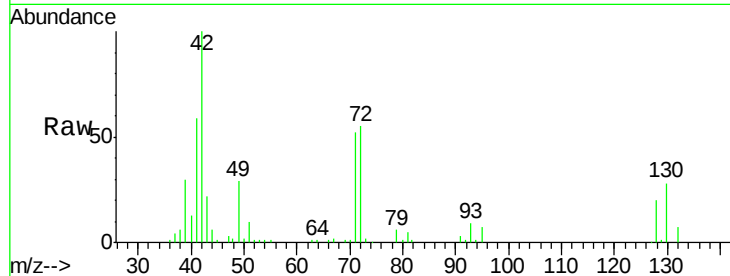
#29
Tetrahydrofuran
Concen: 283.658 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.6	44.0	66.0
71	51.5	40.0	60.0

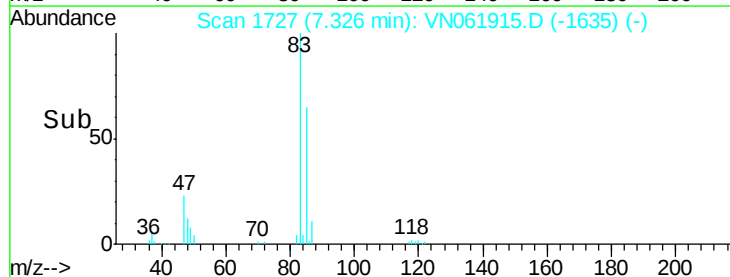
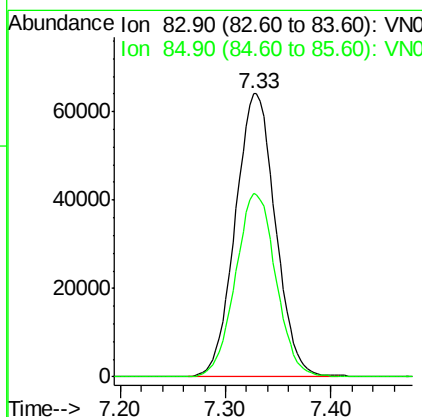
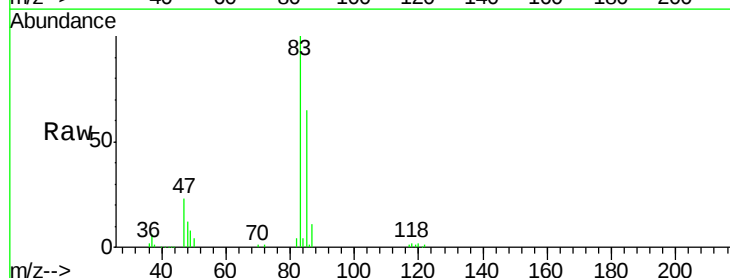
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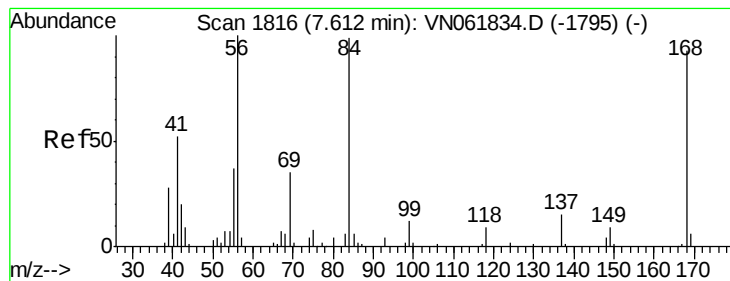
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#30
Chloroform
Concen: 54.390 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.0	78.0





#31

Cyclohexane

Concen: 46.065 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 117471

Ion Ratio Lower Upper

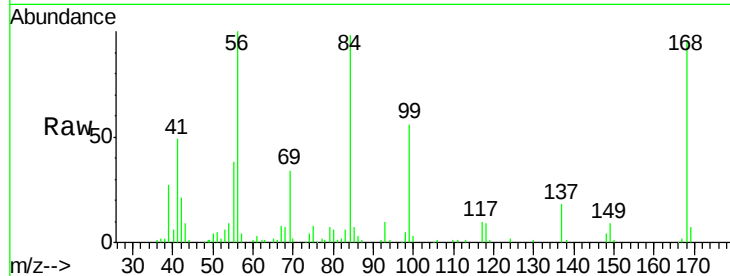
56 100

69 33.8 27.7 41.5

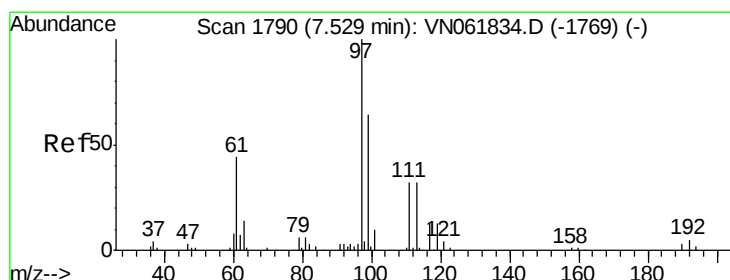
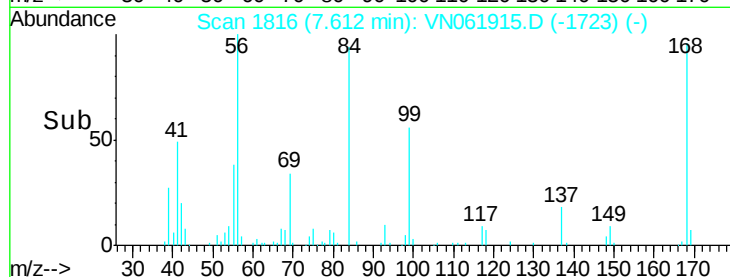
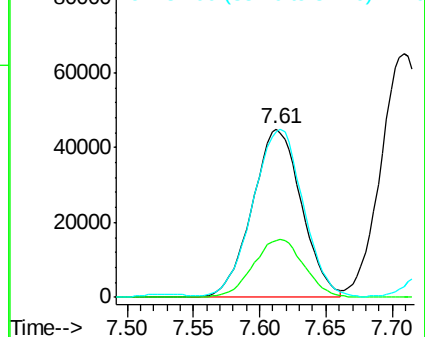
84 97.5 79.1 118.7

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 54.280 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

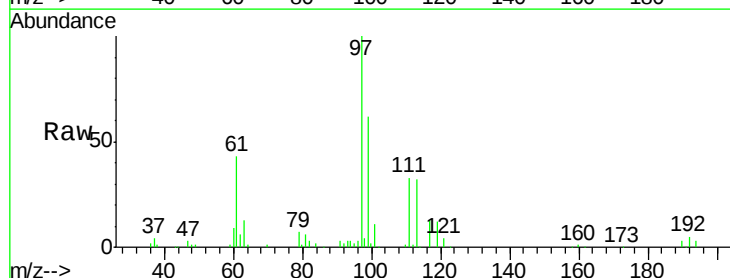
Tgt Ion: 97 Resp: 143917

Ion Ratio Lower Upper

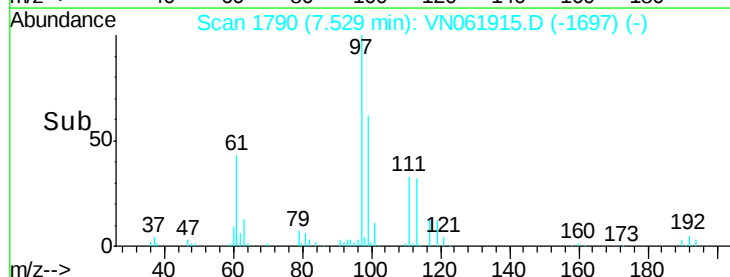
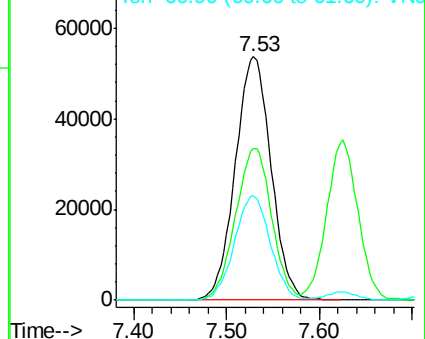
97 100

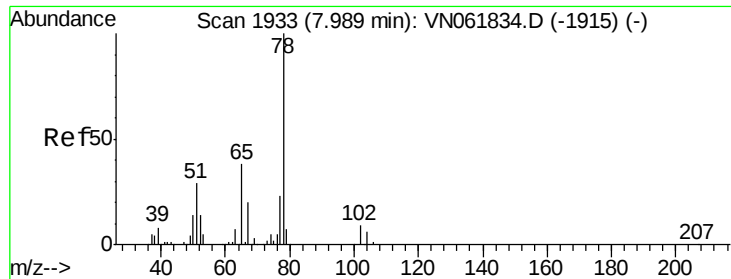
99 62.7 51.5 77.3

61 43.0 35.1 52.7



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





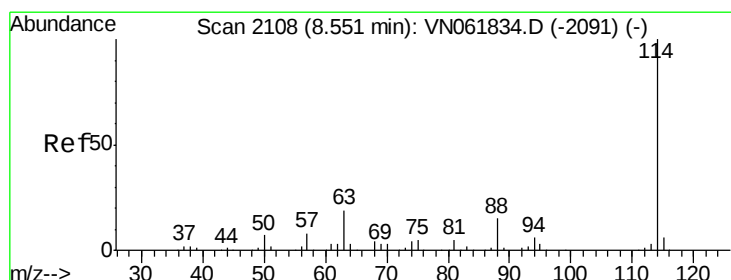
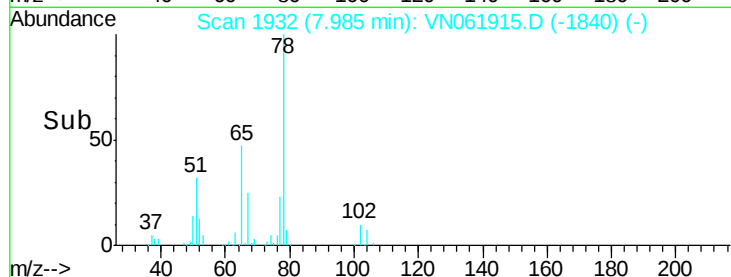
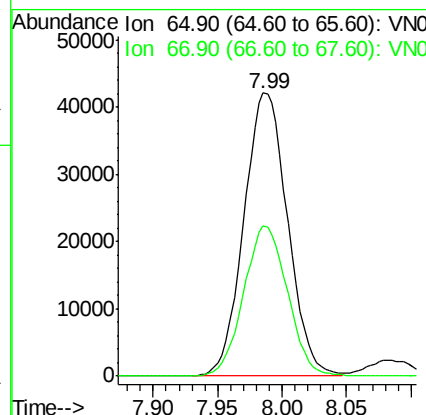
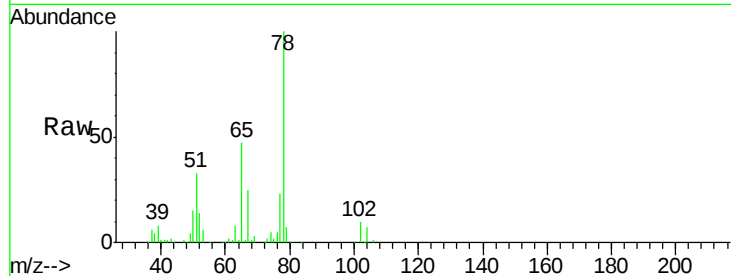
#33
 1,2-Dichloroethane-d4
 Concen: 51.465 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 99589
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2

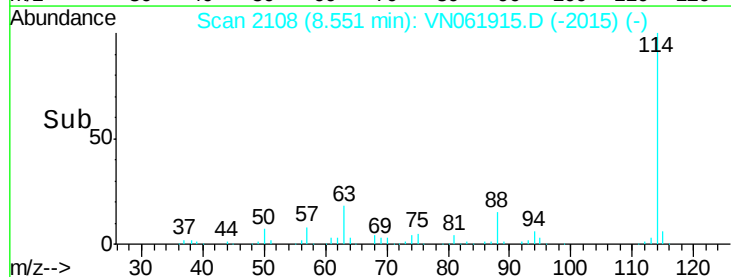
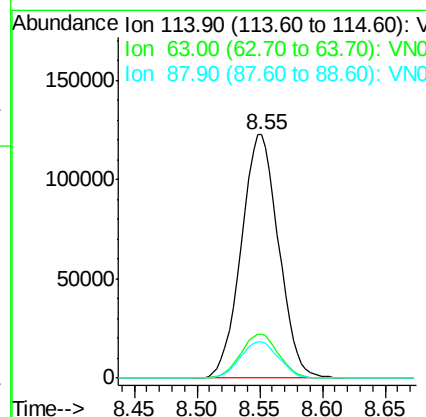
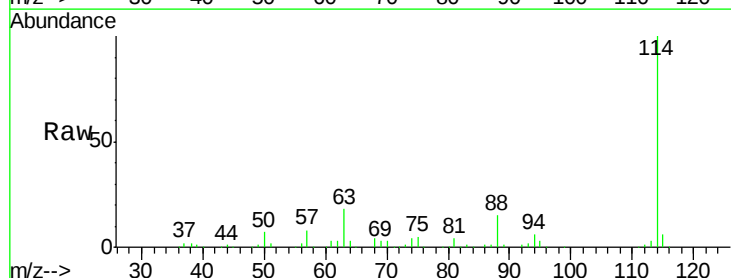
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion: 114 Resp: 254514
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.6
 88 15.0 0.0 31.0





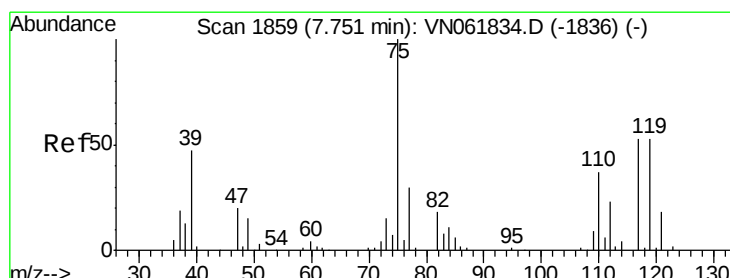
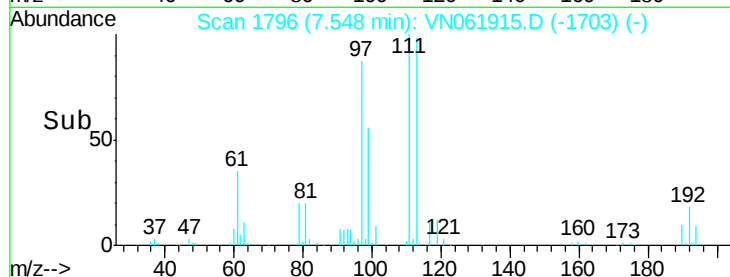
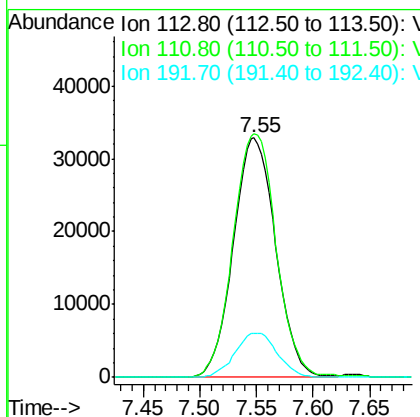
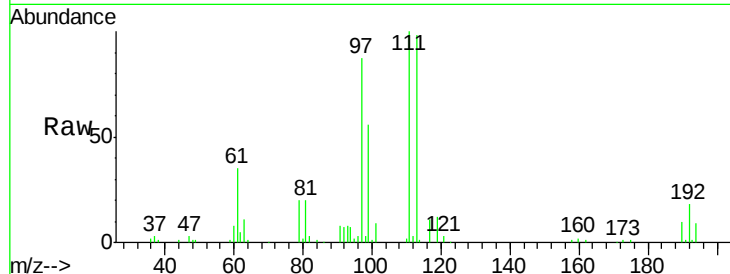
#35
 Dibromofluoromethane
 Concen: 52.402 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85323		
111	103.3	83.7	125.5	
192	18.5	13.9	20.9	

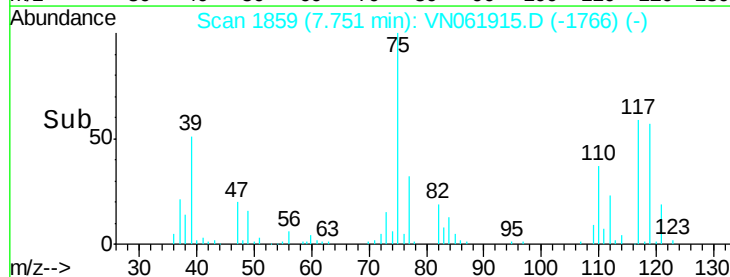
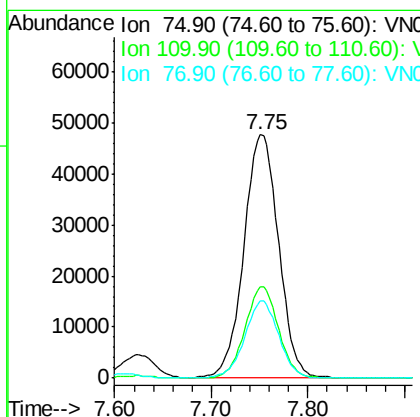
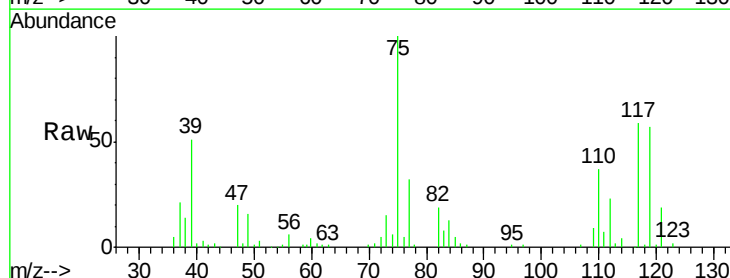
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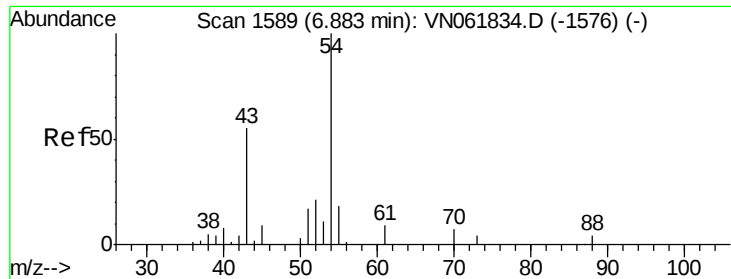
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#36
 1,1-Dichloropropene
 Concen: 51.272 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119025		
110	36.0	18.2	54.6	
77	31.0	24.2	36.4	





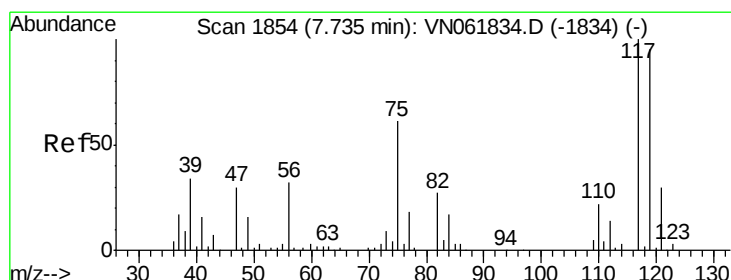
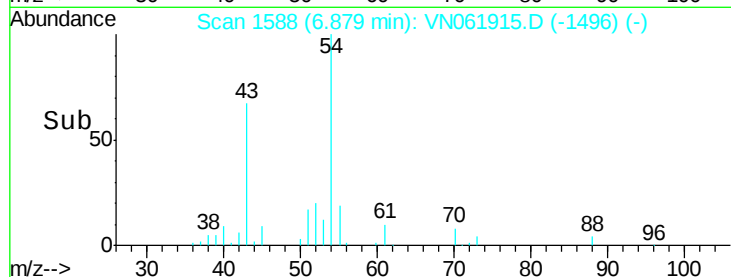
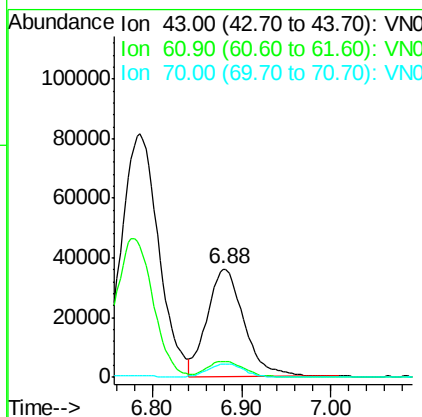
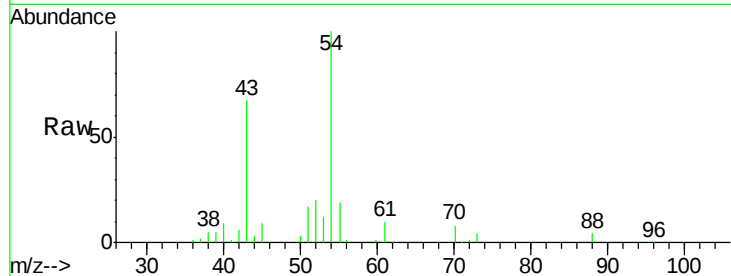
#37
Ethyl Acetate
Concen: 57.115 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	13.0	19.4
70	12.3	9.4	14.2

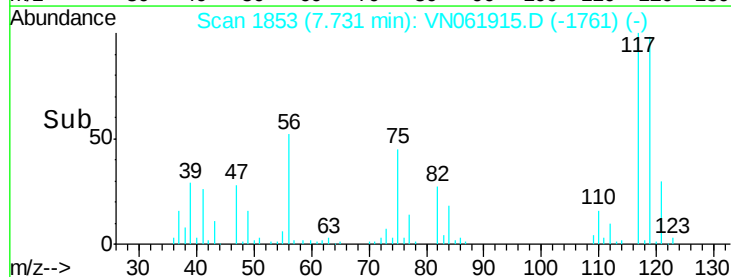
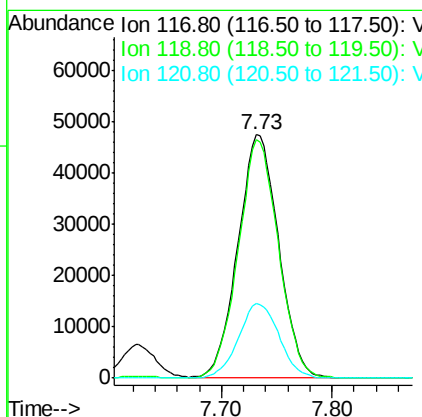
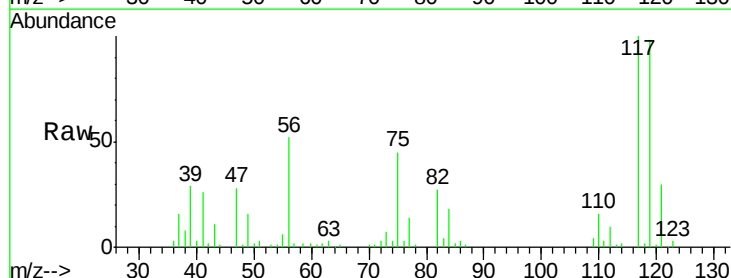
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#38
Carbon Tetrachloride
Concen: 52.711 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.8	113.6
121	30.4	23.8	35.6





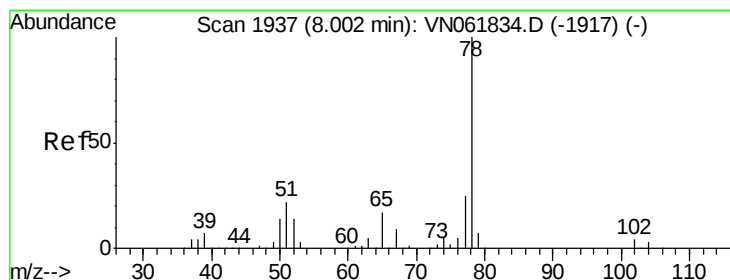
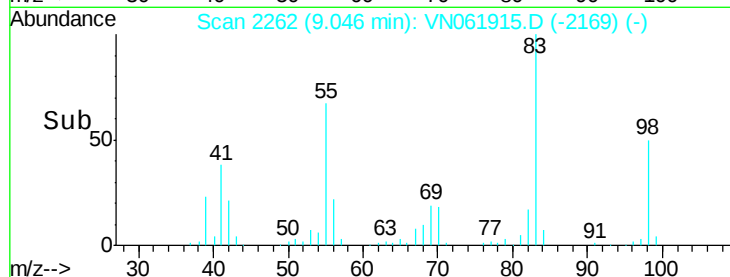
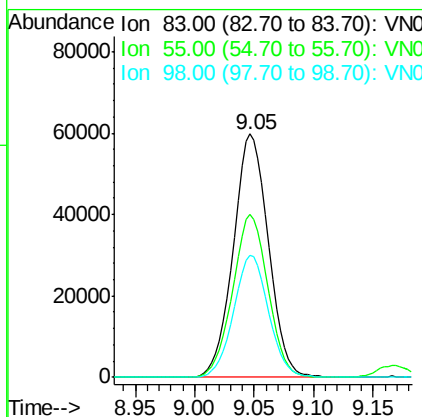
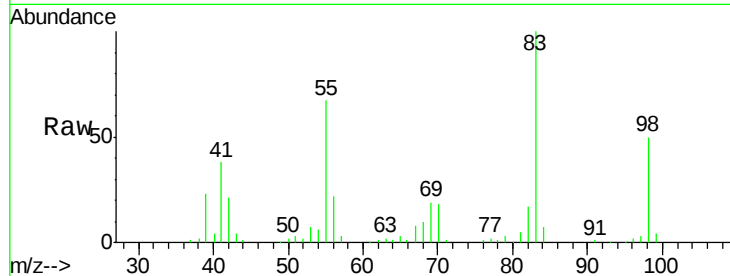
#39
Methvlcvclohexane
Concen: 48.888 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.1	54.2	81.4
98	50.3	39.8	59.6

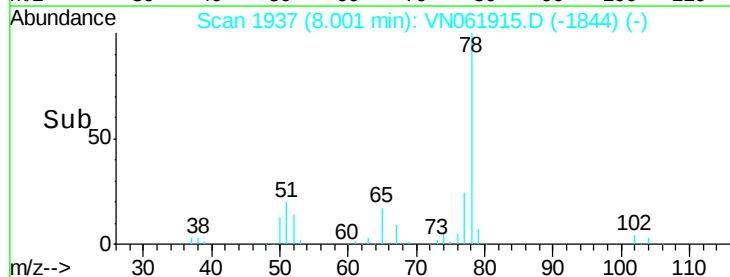
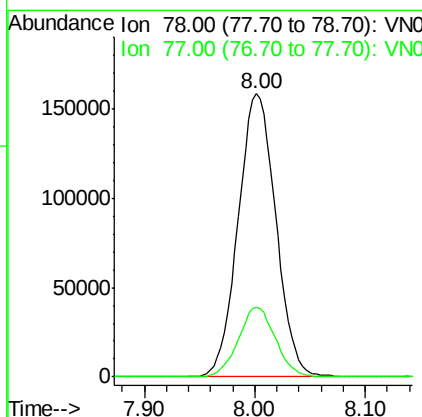
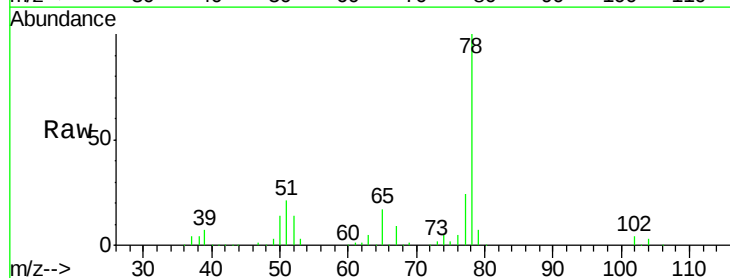
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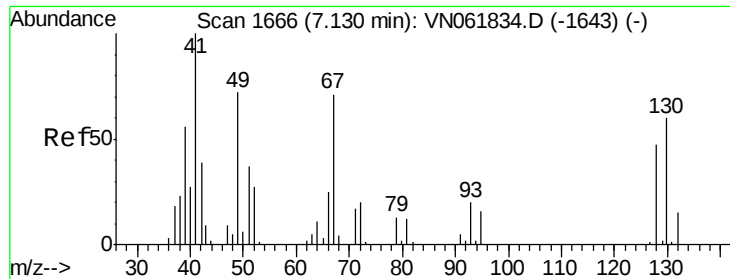
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#40
Benzene
Concen: 53.299 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.7	29.5





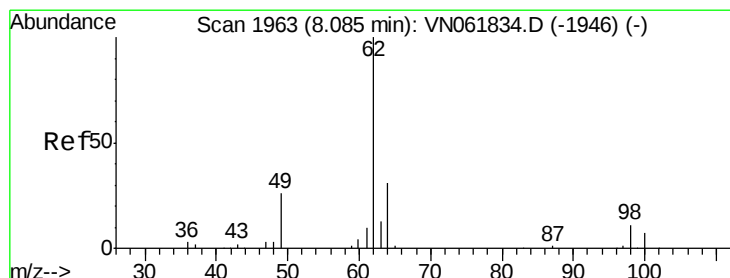
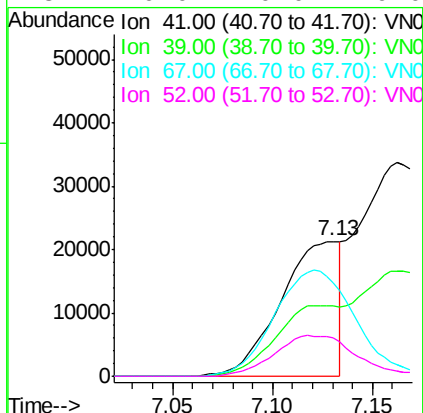
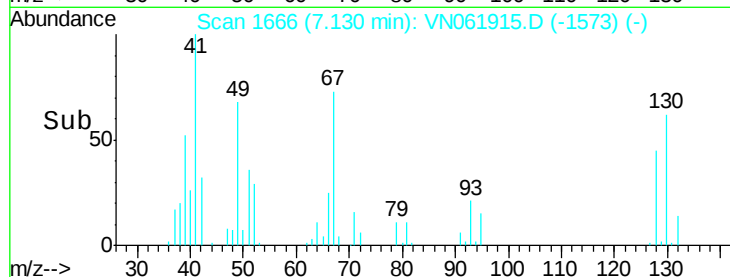
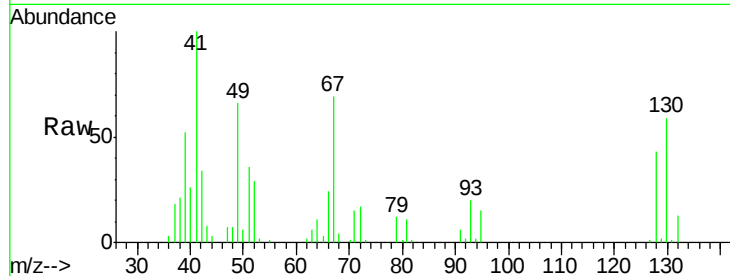
#41
Methacrylonitrile
Concen: 56.440 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	43752
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

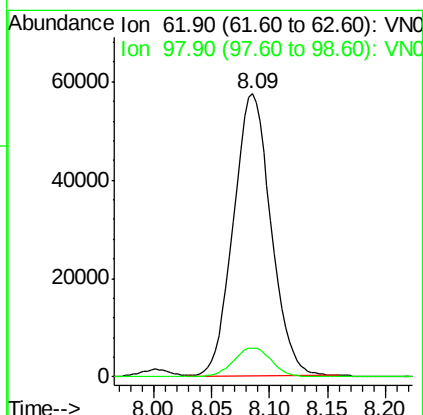
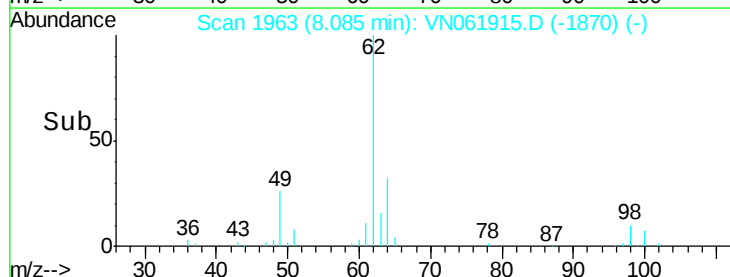
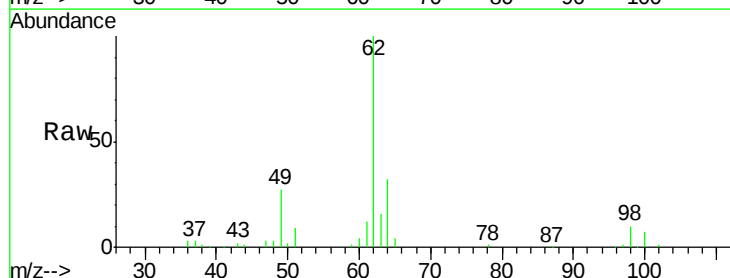
Manual Integrations
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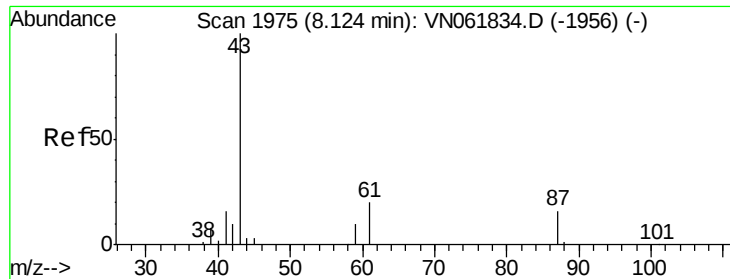
MMDadoda
6/19/2020 1:03:29 PM



#42
1,2-Dichloroethane
Concen: 53.937 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	62	Resp	129329
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4





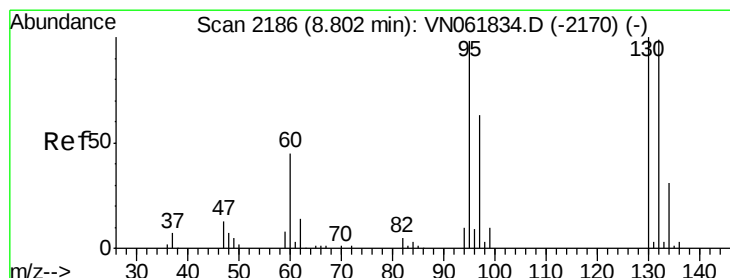
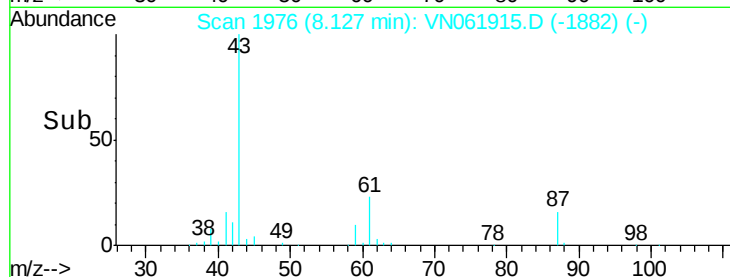
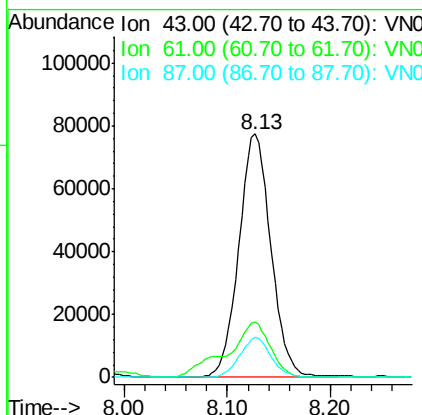
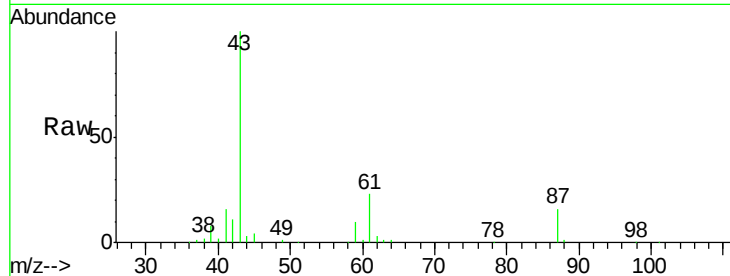
#43
Isopropyl Acetate
Concen: 54.924 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.0	36.0
87	16.0	12.5	18.7

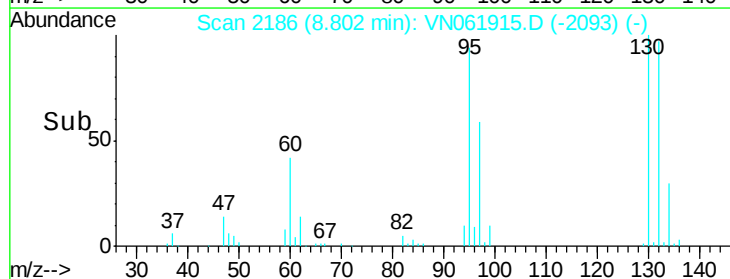
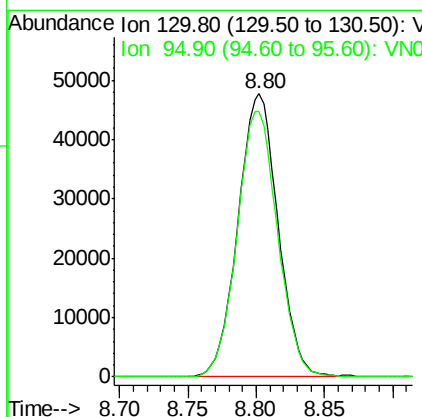
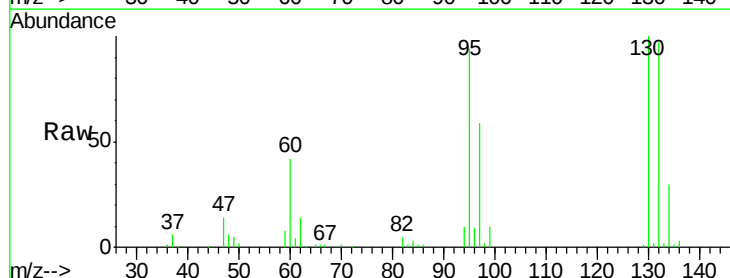
Manual Integrations
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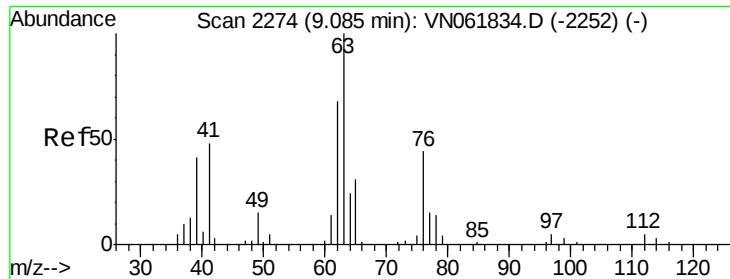
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#44
Trichloroethene
Concen: 52.439 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	195.6





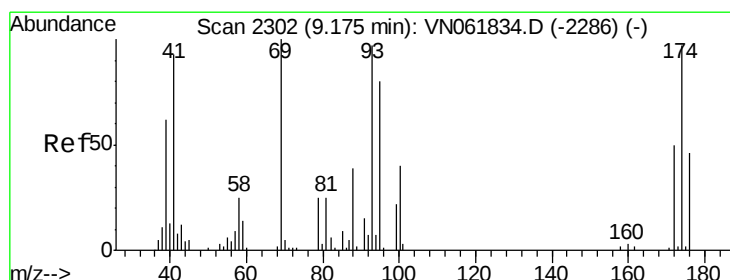
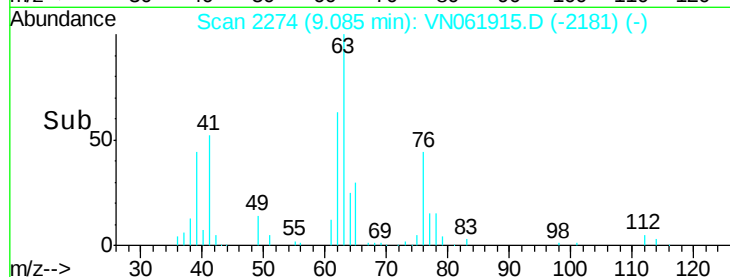
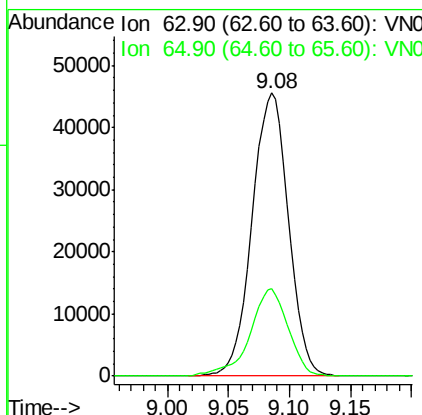
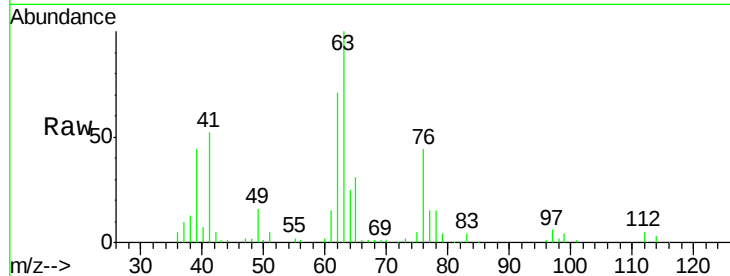
#45
 1,2-Dichloropropane
 Concen: 54.403 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 94017
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.1 37.7

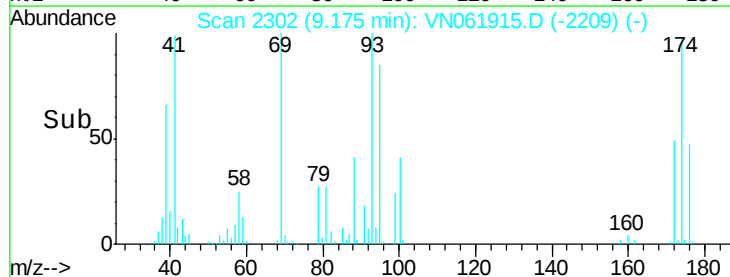
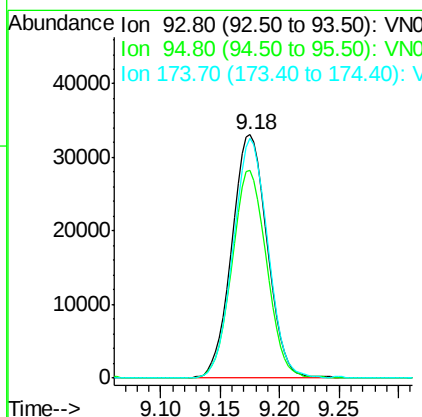
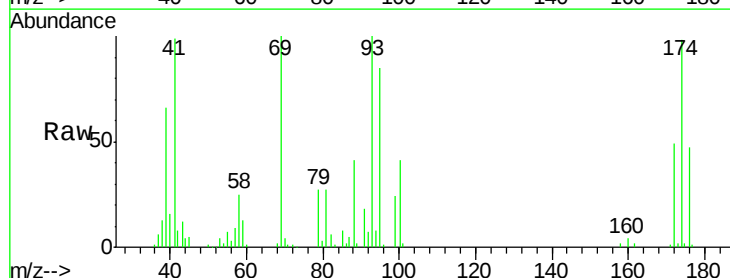
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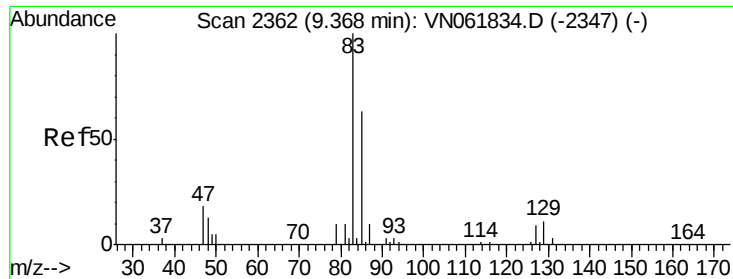
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#46
 Dibromomethane
 Concen: 56.091 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion: 93 Resp: 68260
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.8 98.6
 174 96.4 78.5 117.7





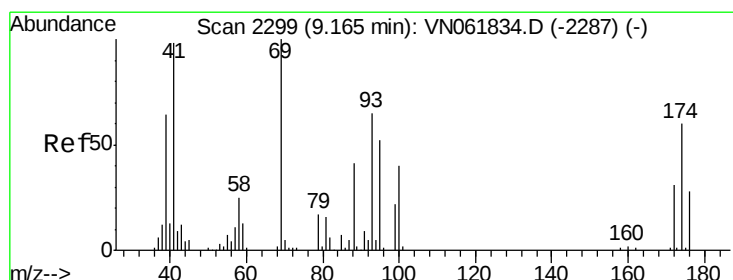
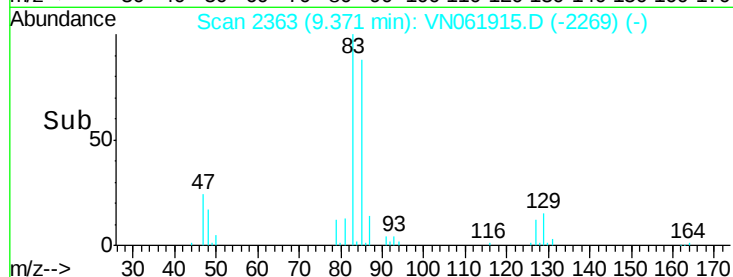
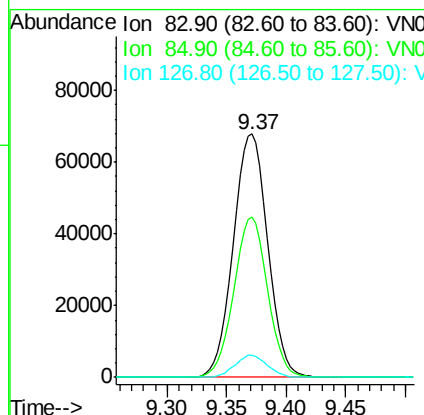
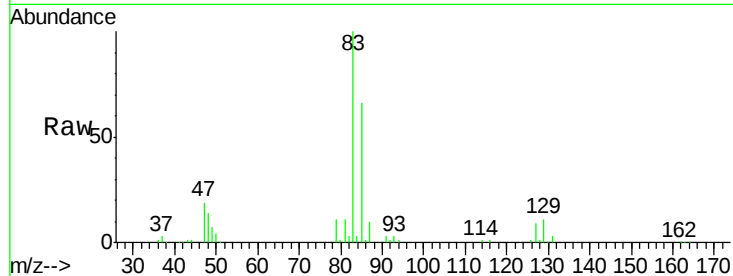
#47
Bromodichloromethane
Concen: 54.594 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	136044
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	50.8	76.2
127	9.0	7.0	10.4

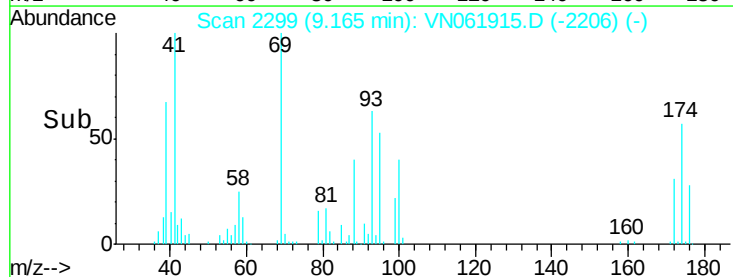
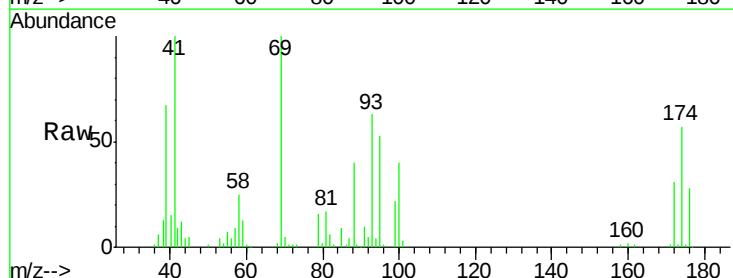
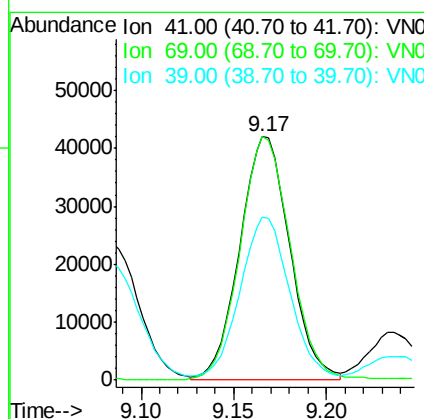
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#48
Methyl methacrylate
Concen: 56.844 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	41	Resp	78974
Ion Ratio	100	Lower	Upper
41	100		
69	100.8	83.0	124.4
39	66.3	55.1	82.7





#49

1,4-Dioxane

Concen: 1067.462 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 34049

Ion Ratio Lower Upper

88 100

43 29.6 23.4 35.2

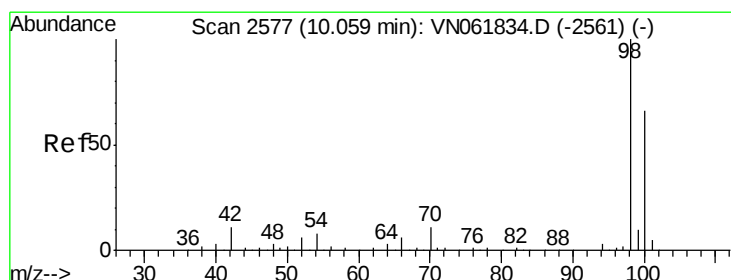
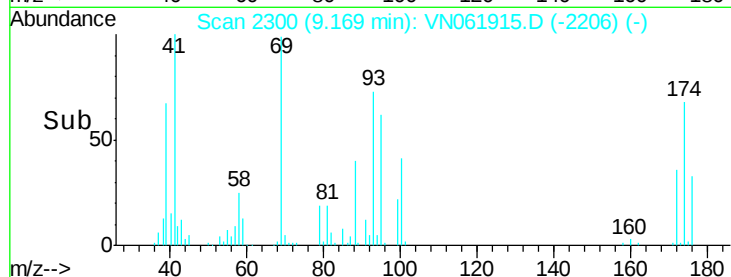
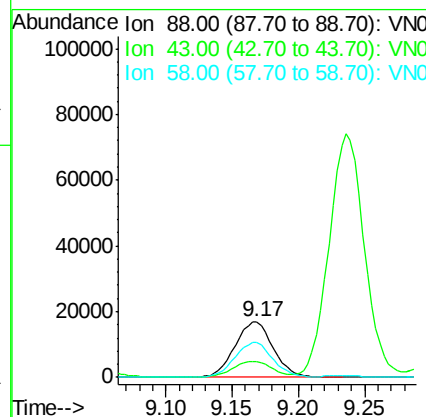
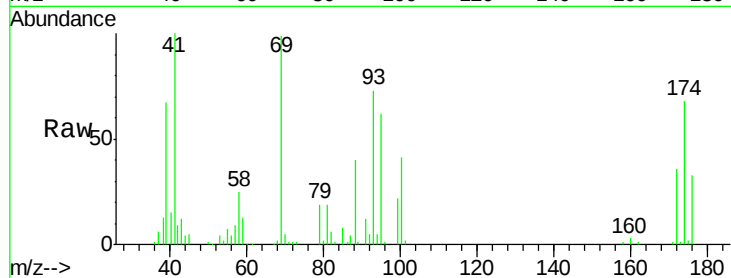
58 62.4 49.8 74.6

Manual Integrations

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#50

Toluene-d8

Concen: 50.548 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061915.D

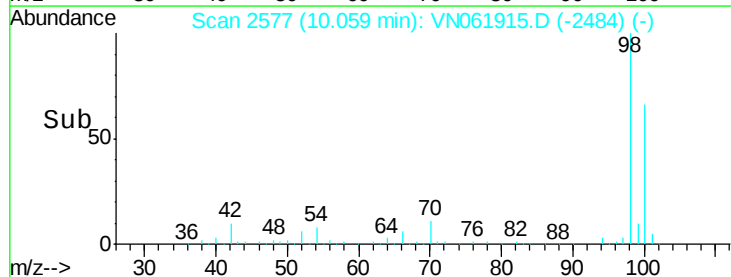
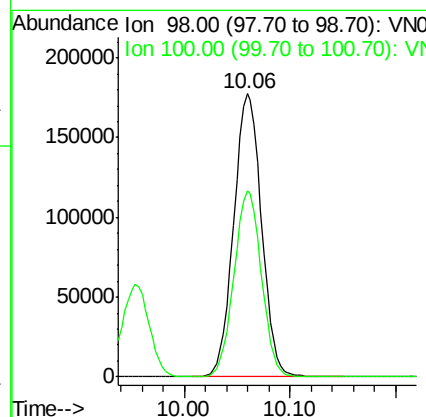
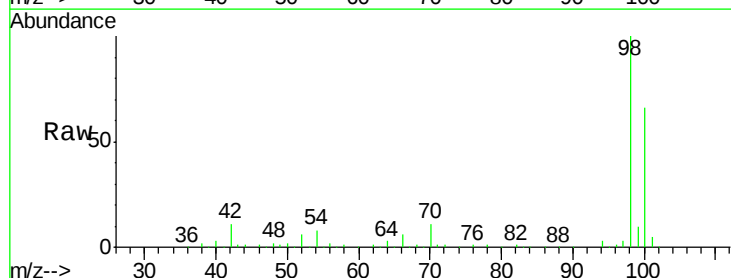
Acq: 18 Jun 2020 21:16

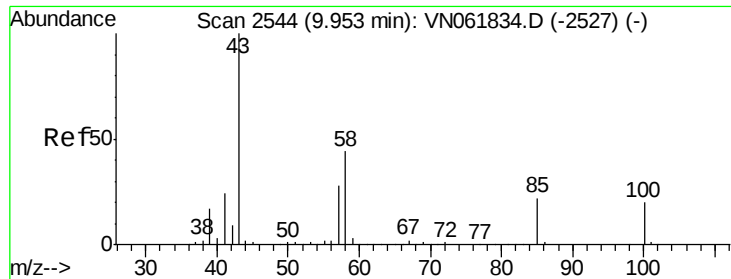
Tgt Ion: 98 Resp: 323575

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 285.371 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 515189

Ion Ratio Lower Upper

43 100

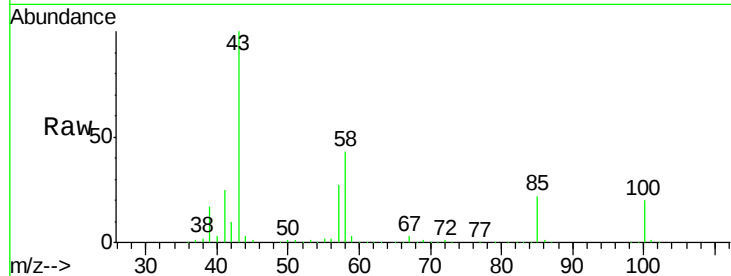
58 43.6 34.6 52.0

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Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

300000

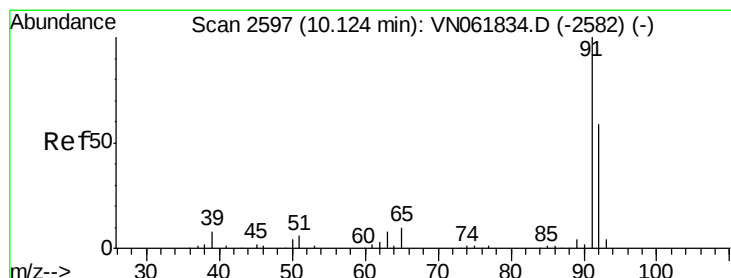
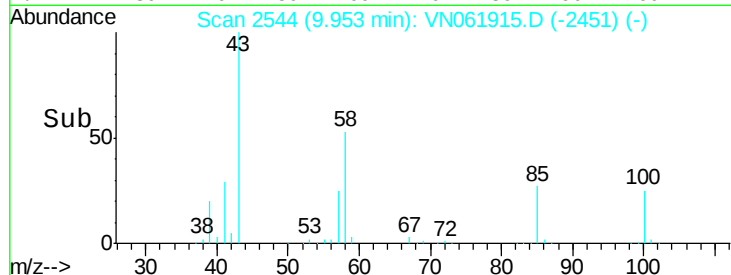
200000

100000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 54.121 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061915.D

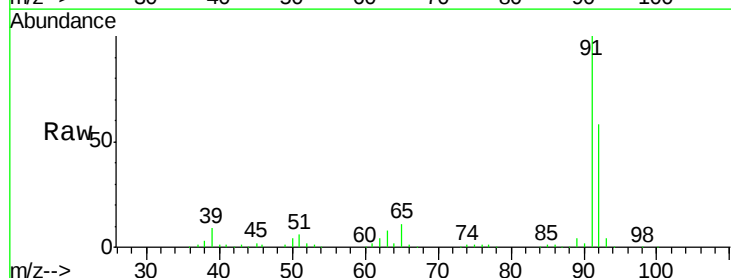
Acq: 18 Jun 2020 21:16

Tgt Ion: 92 Resp: 239024

Ion Ratio Lower Upper

92 100

91 174.5 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061834.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-2582) (-)

250000

200000

150000

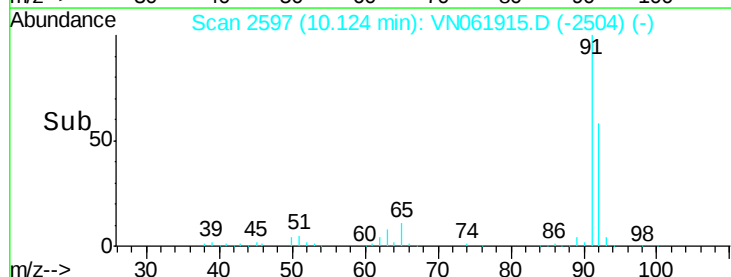
100000

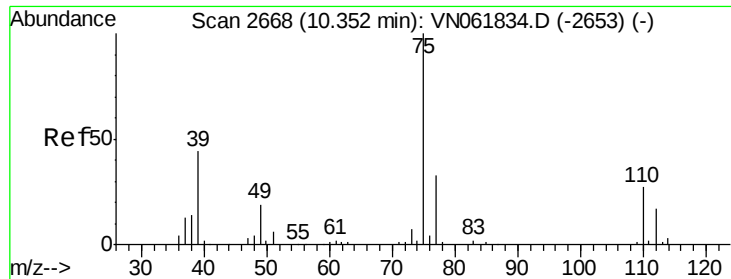
50000

0

10.10 10.12 10.20

Time-->





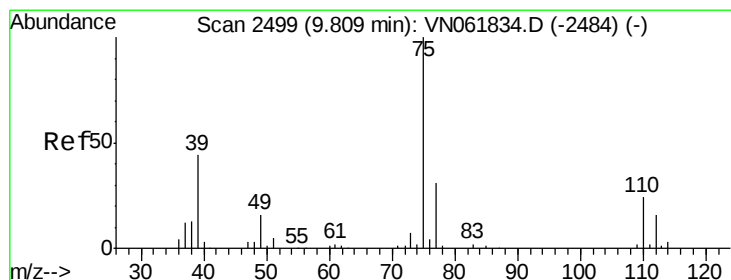
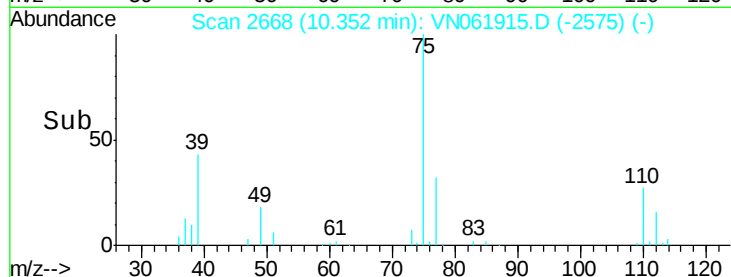
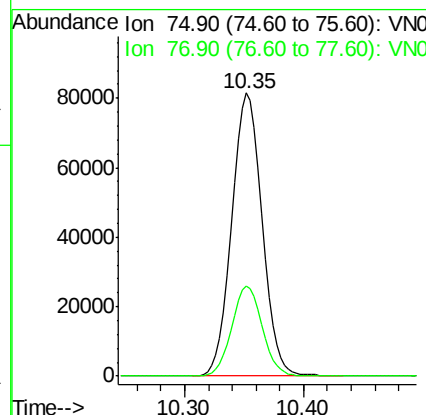
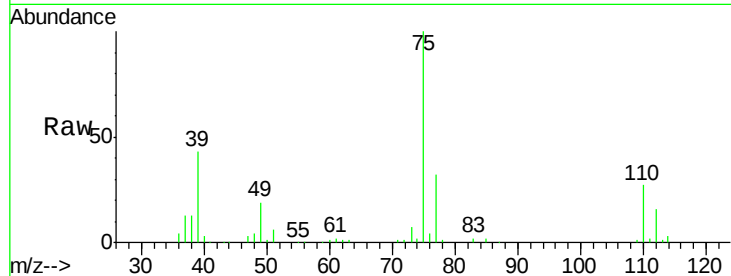
#53
 t-1,3-Dichloropropene
 Concen: 54.464 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 144077
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.3 39.5

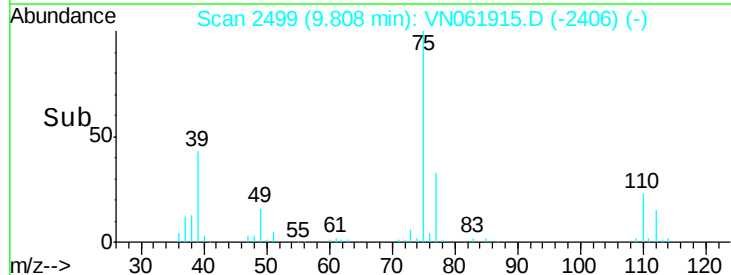
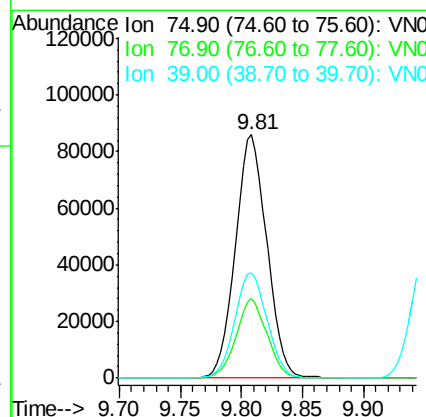
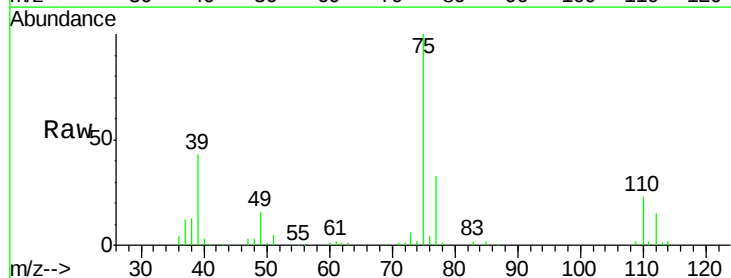
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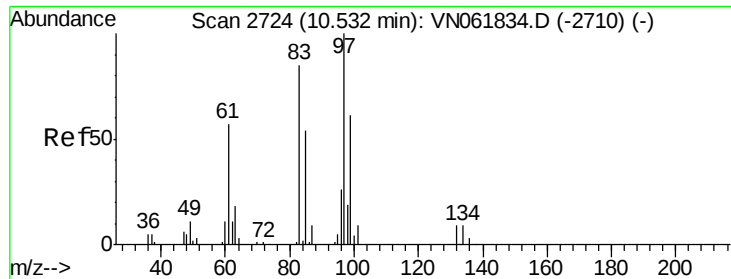
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#54
 cis-1,3-Dichloropropene
 Concen: 53.648 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion: 75 Resp: 154145
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.8 37.2
 39 43.5 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 56.993 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

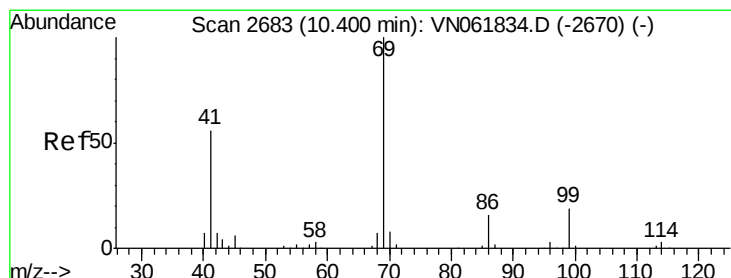
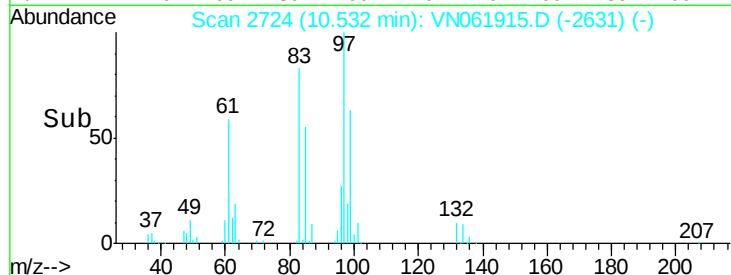
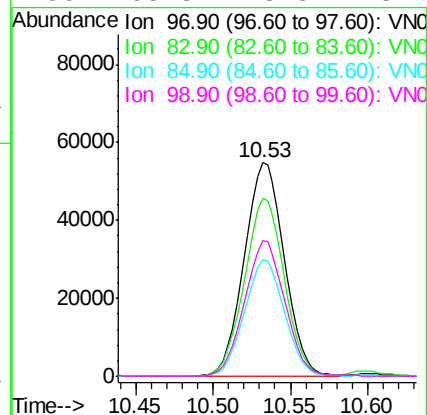
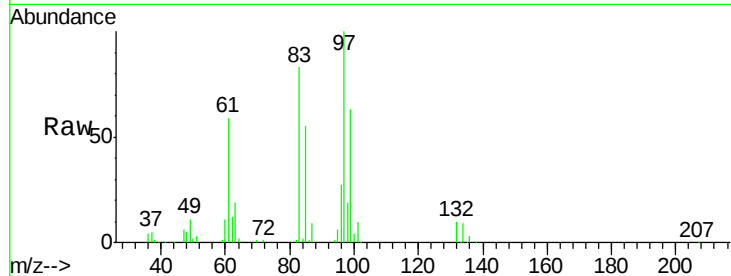
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	99034
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.7	101.5
85	54.7	43.4	65.0
99	63.3	48.8	73.2

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#56

Ethyl methacrylate

Concen: 51.406 ug/l

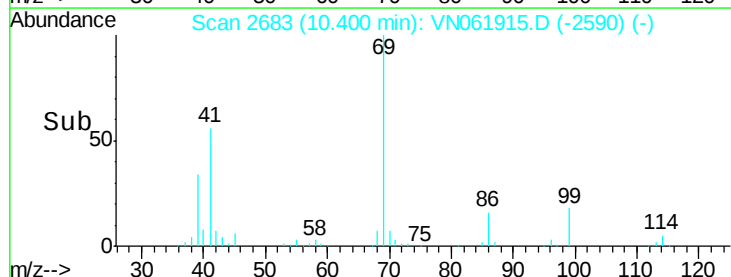
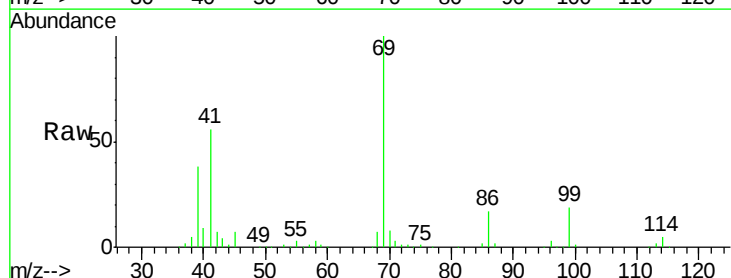
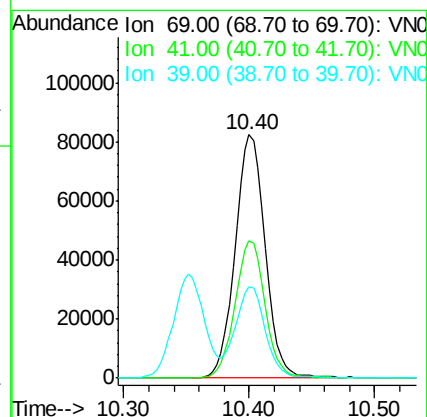
RT: 10.40 min Scan# 2683

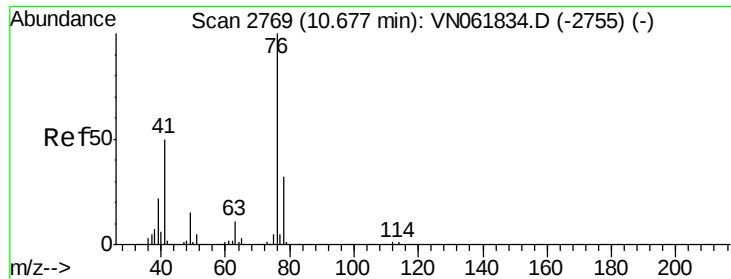
Delta R.T. 0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Tgt Ion:	69	Resp:	136671
Ion	Ratio	Lower	Upper
69	100		
41	55.4	44.9	67.3
39	36.4	30.0	45.0





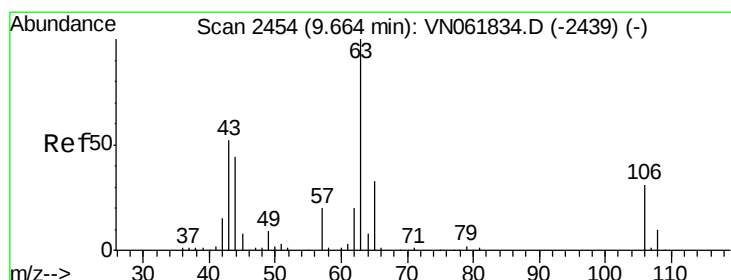
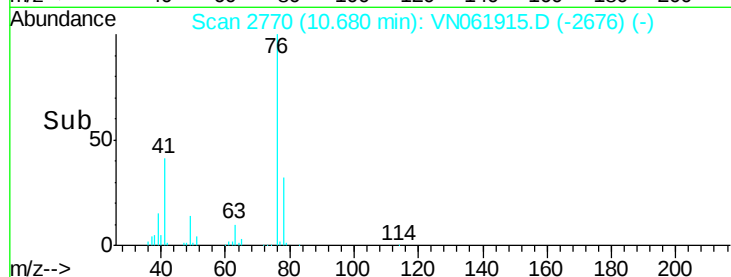
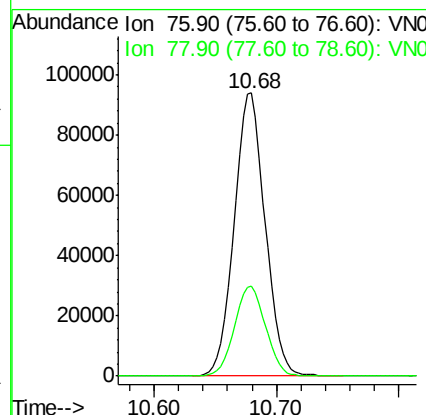
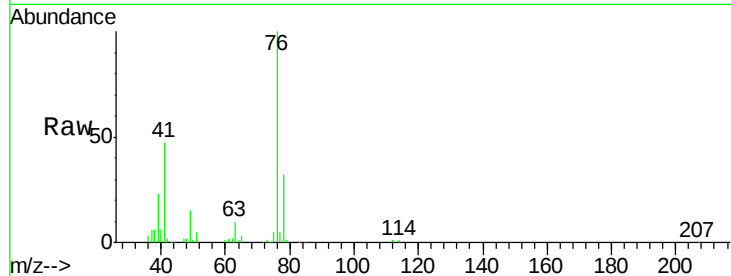
#57
 1,3-Dichloropropane
 Concen: 56.243 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 76 Resp: 165568
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

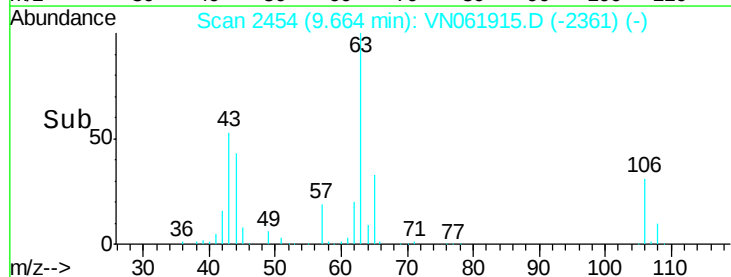
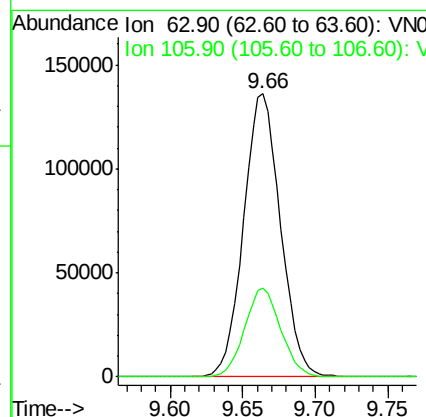
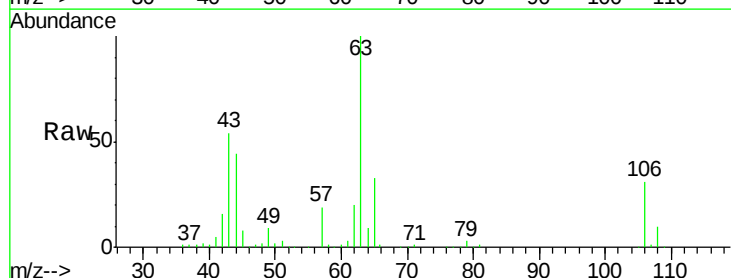
Manual Integrations
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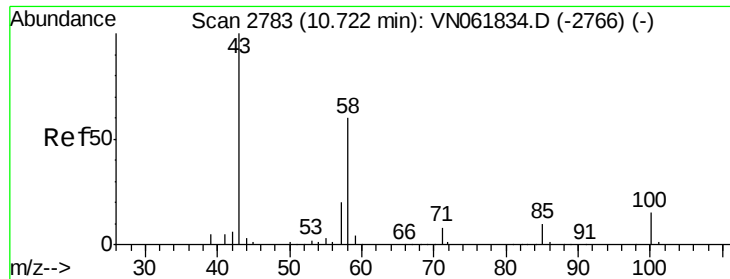
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#58
 2-Chloroethyl Vinyl ether
 Concen: 261.929 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion: 63 Resp: 240207
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.6 36.8





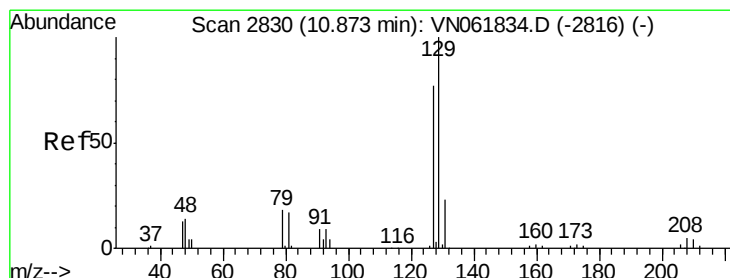
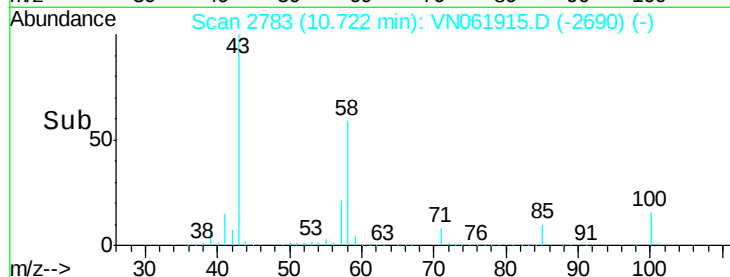
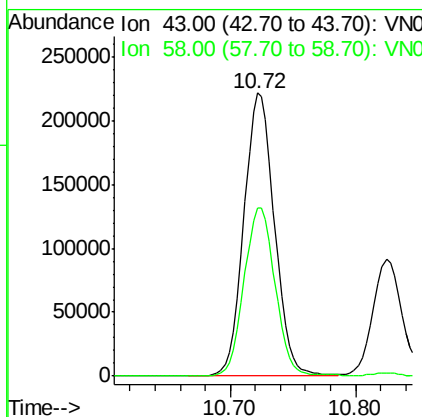
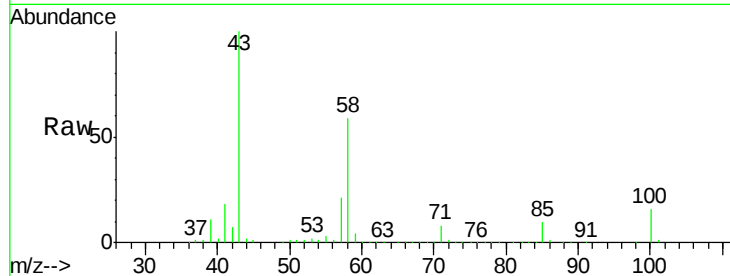
#59
2-Hexanone
Concen: 260.381 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 376396
Ion Ratio Lower Upper
43 100
58 60.4 30.1 90.5

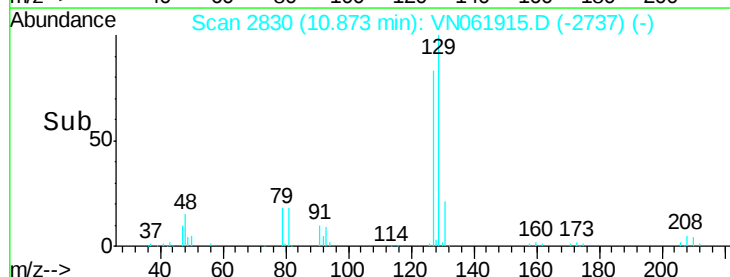
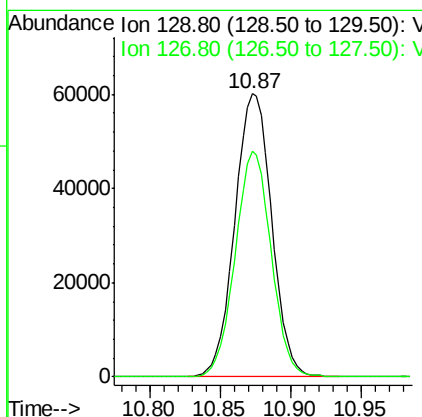
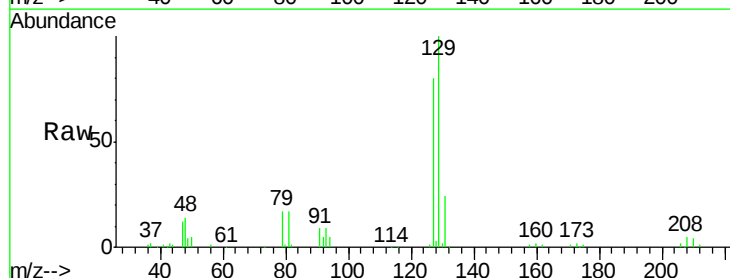
Manual Integrations
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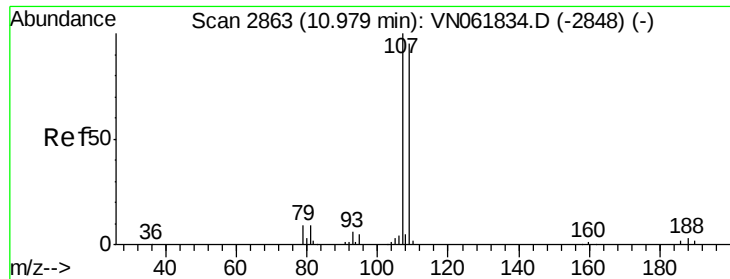
MMDadoda
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#60
Dibromochloromethane
Concen: 56.905 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion: 129 Resp: 110335
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





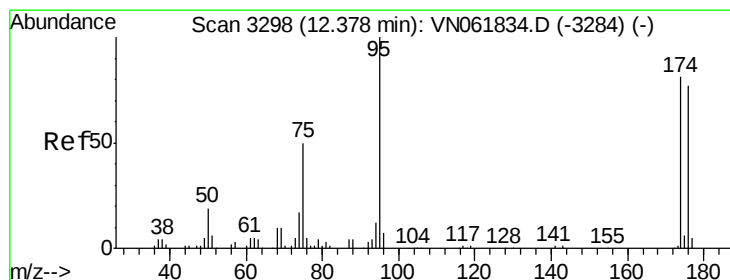
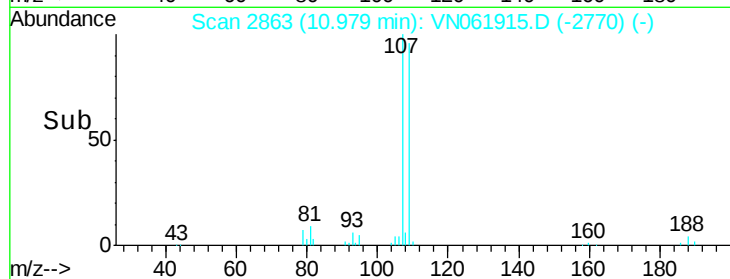
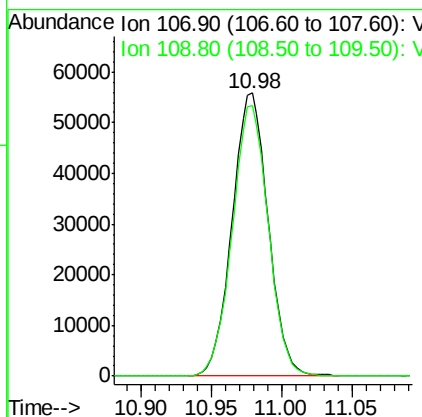
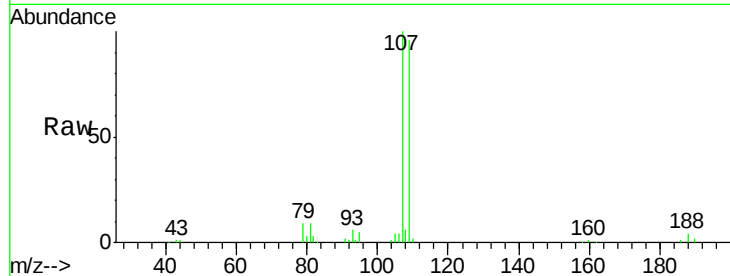
#61
 1,2-Dibromoethane
 Concen: 55.139 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.6

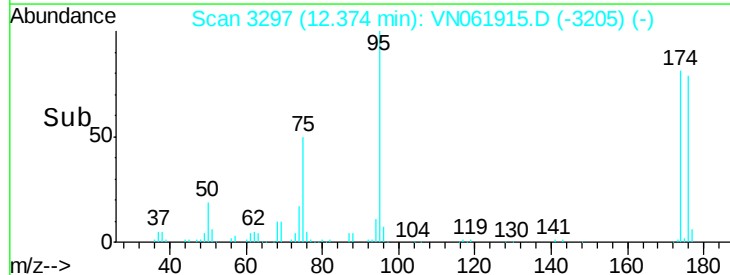
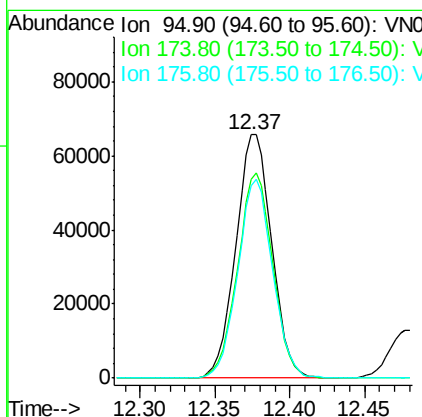
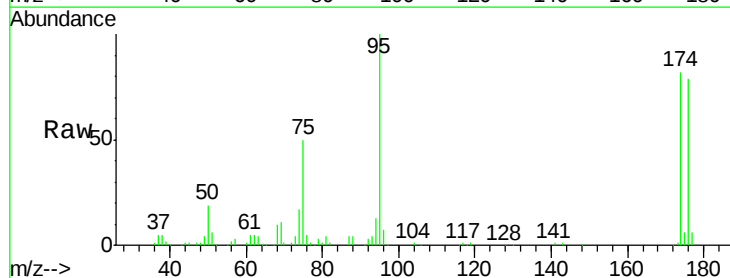
Manual Integrations
 APPROVED

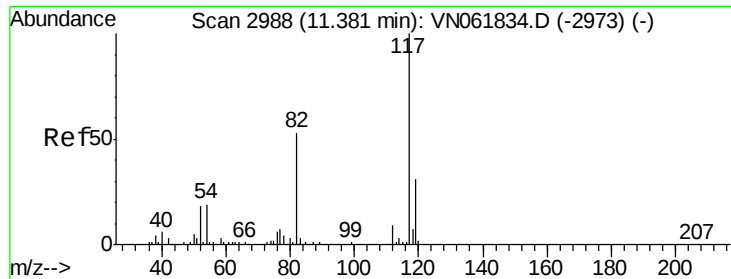
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#62
 4-Bromofluorobenzene
 Concen: 49.953 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	158.6
176	79.4	0.0	152.0





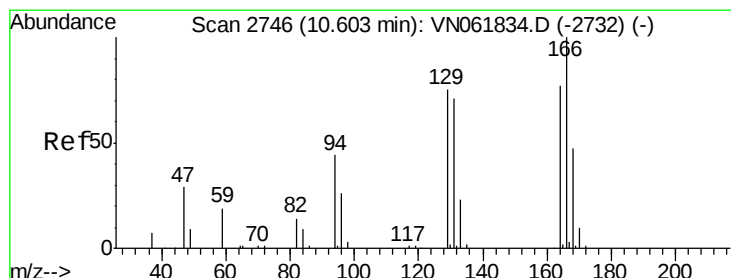
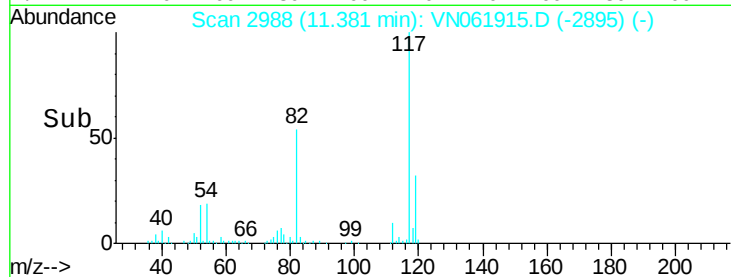
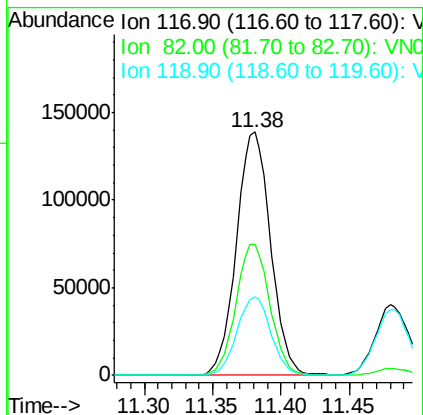
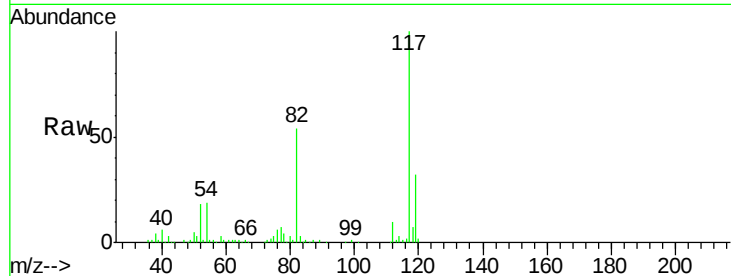
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	241331		
82	53.5	42.6	64.0	
119	32.4	24.7	37.1	

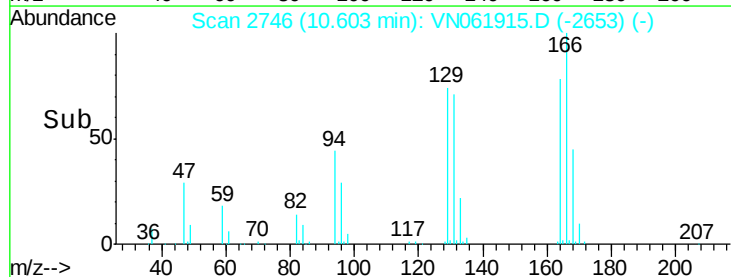
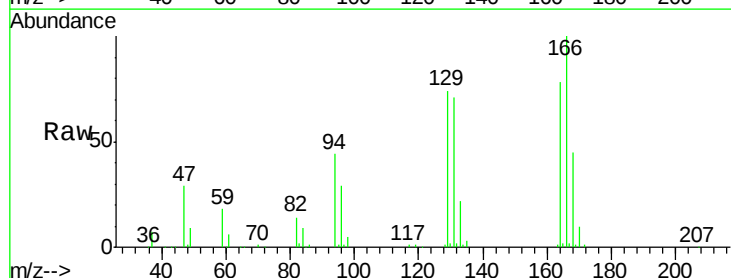
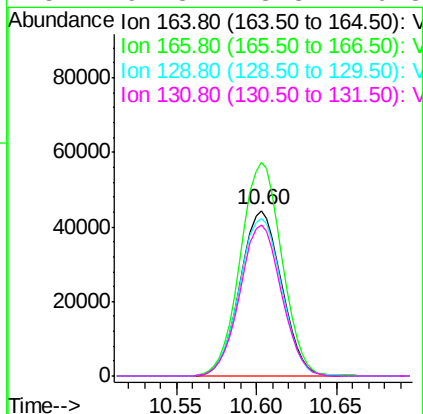
Manual Integrations
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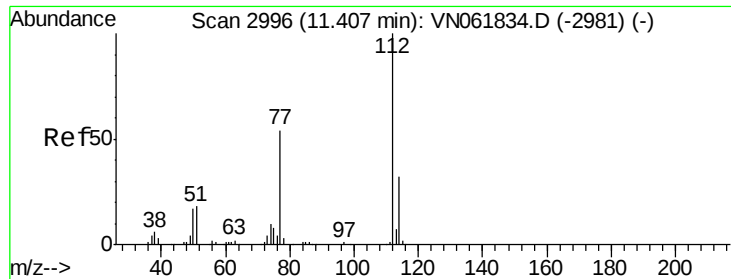
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#64
Tetrachloroethene
Concen: 51.165 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78700		
166	128.9	103.5	155.3	
129	95.2	77.5	116.3	
131	91.3	73.8	110.8	





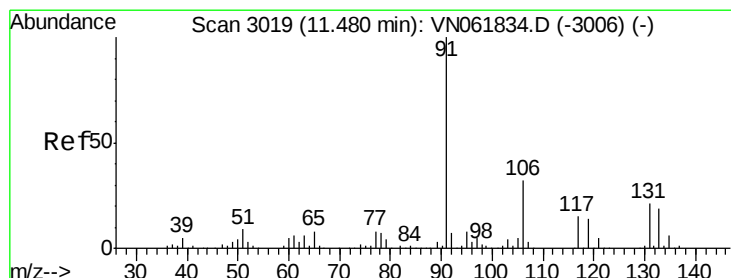
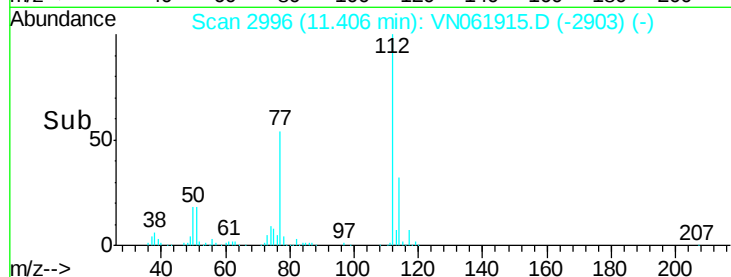
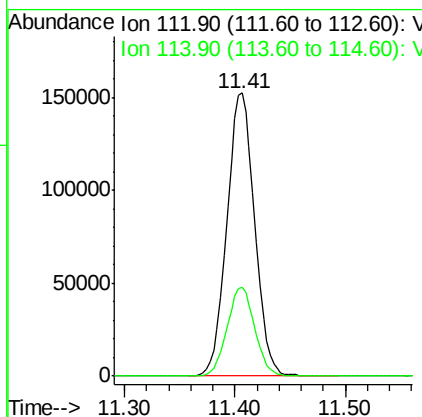
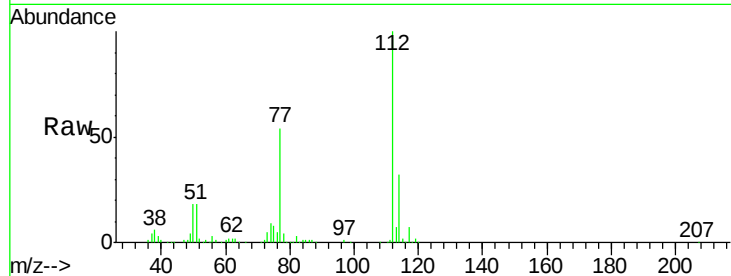
#65
Chlorobenzene
Concen: 52.108 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 265348
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6

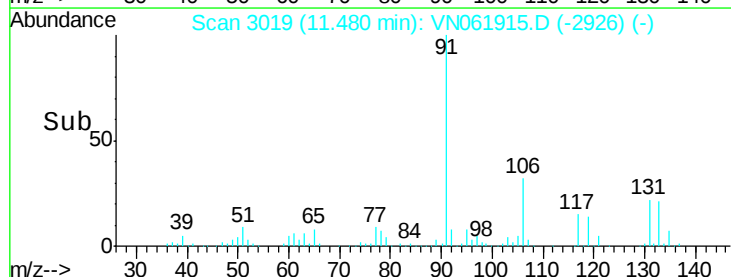
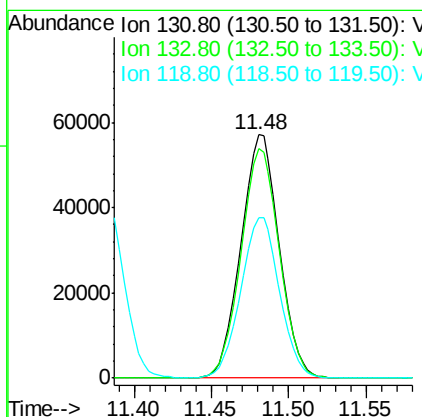
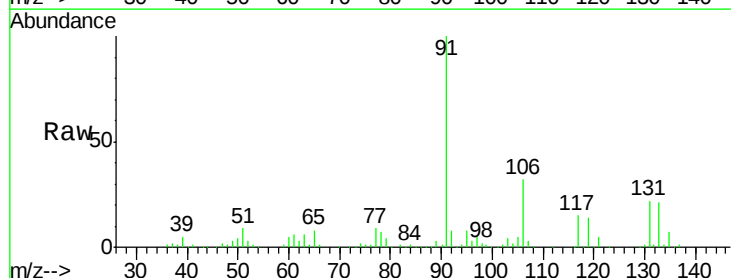
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.399 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion:131 Resp: 98388
Ion Ratio Lower Upper
131 100
133 94.6 47.5 142.5
119 66.7 34.0 101.8





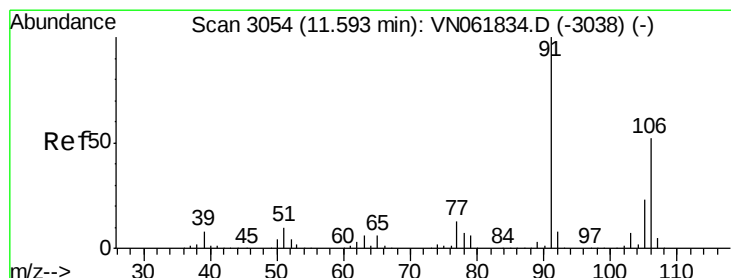
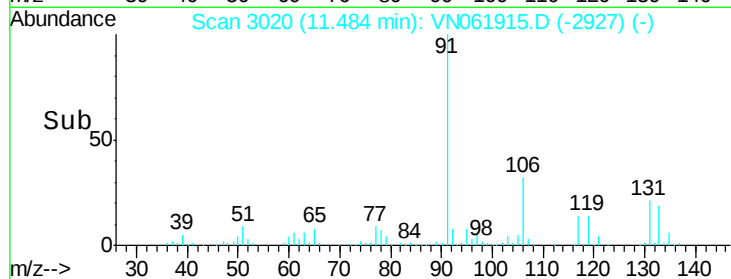
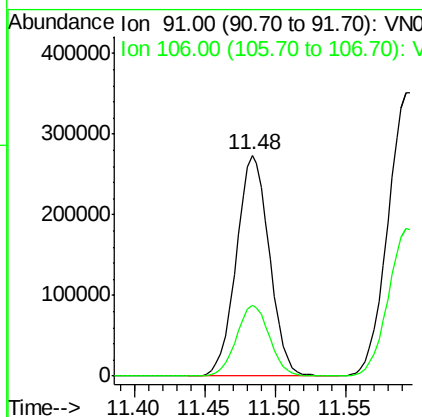
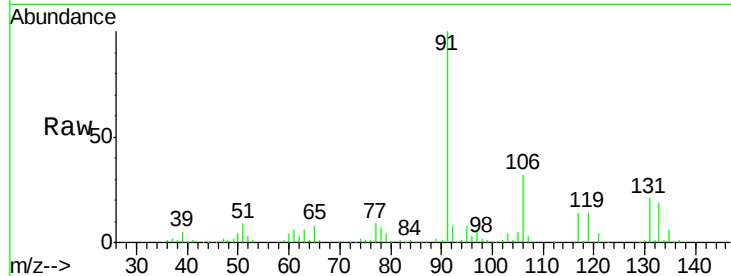
#67
Ethyl Benzene
Concen: 52.635 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 449391
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2

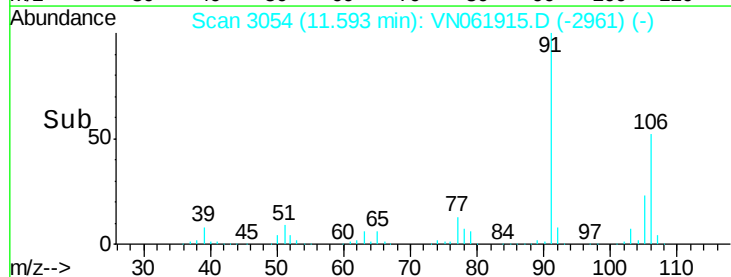
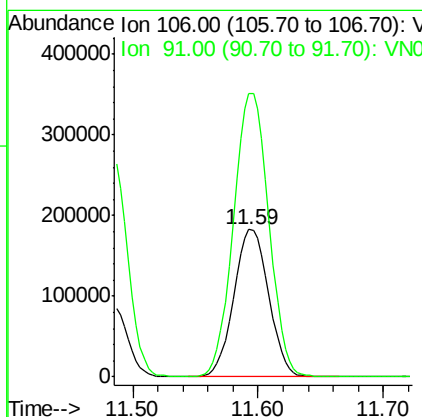
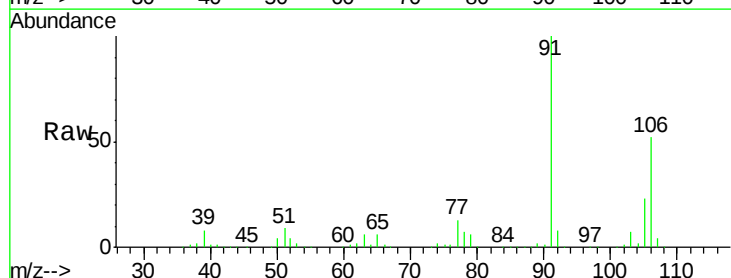
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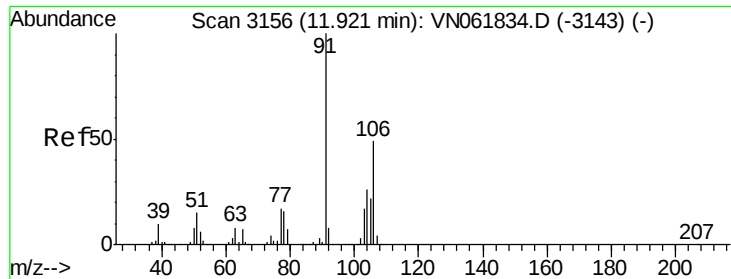
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#68
m/p-Xylenes
Concen: 107.179 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion: 106 Resp: 352859
Ion Ratio Lower Upper
106 100
91 194.7 157.0 235.6





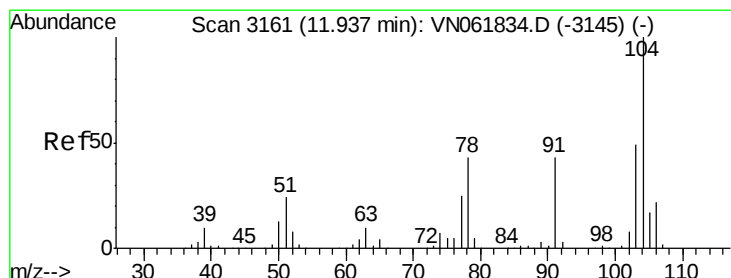
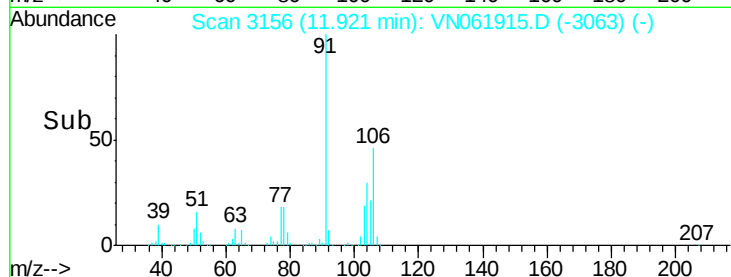
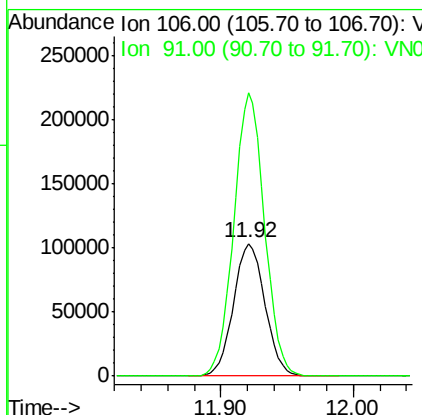
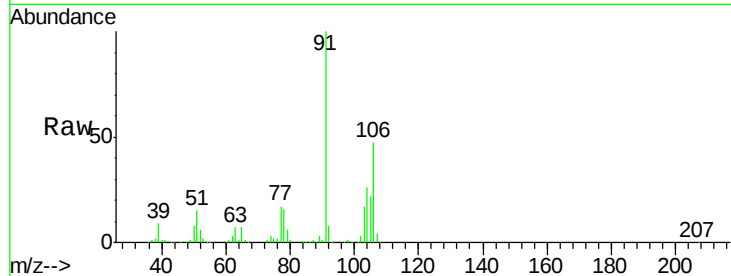
#69
o-Xylene
Concen: 54.165 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.3	103.0	308.9	

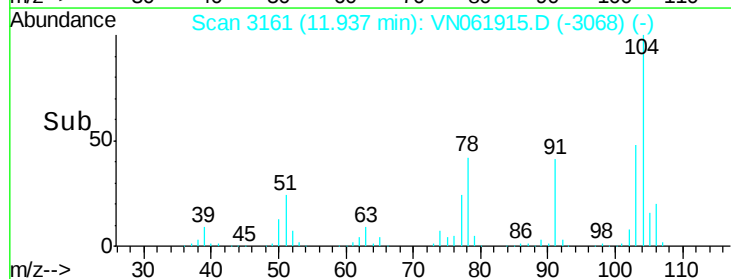
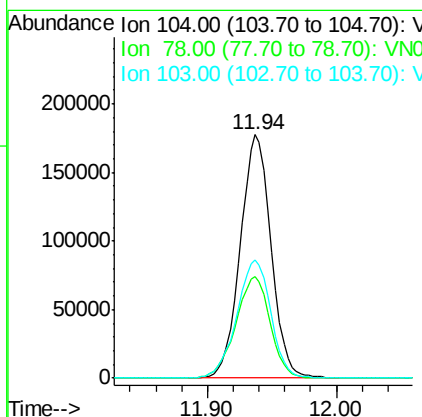
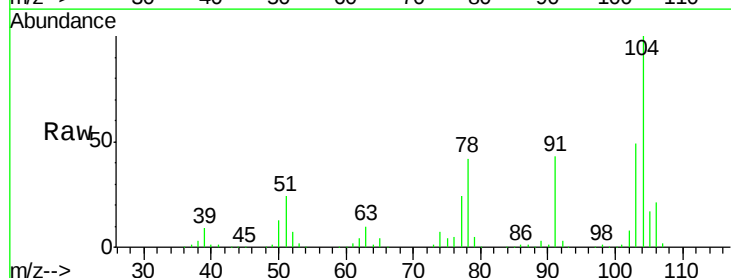
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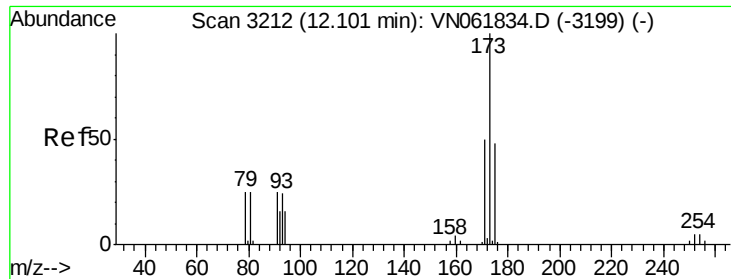
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#70
Styrene
Concen: 56.102 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.6	37.6	56.4	
103	53.8	43.0	64.4	





#71

Bromoform

Concen: 57.685 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 74700

Ion Ratio Lower Upper

173 100

175 49.2 23.9 71.7

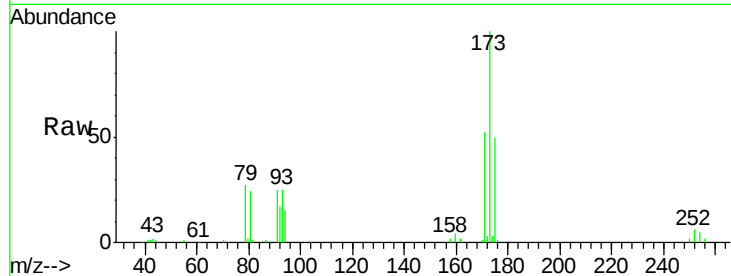
254 0.0 0.0 0.0

Manual Integrations

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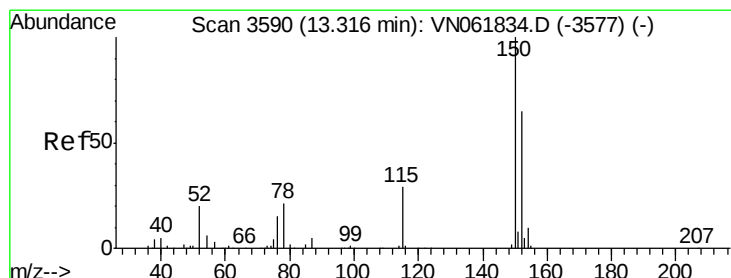
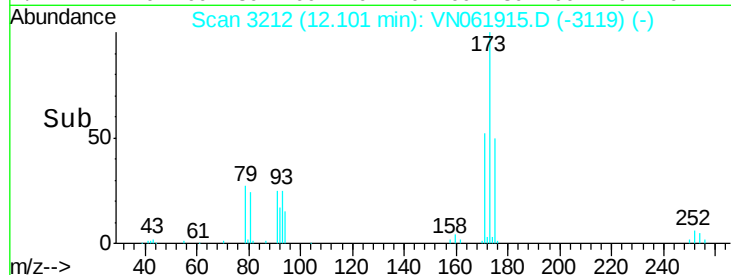
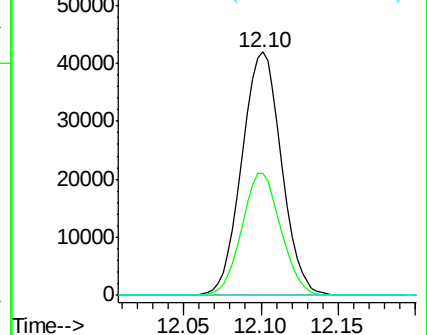
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3590

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

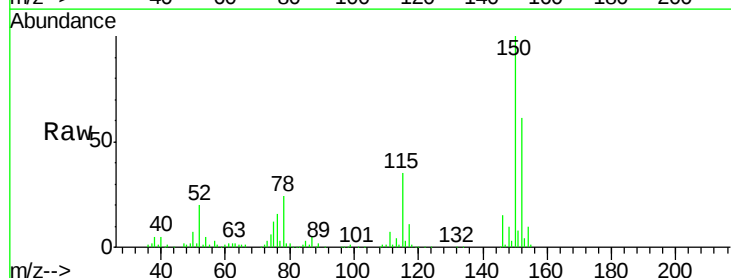
Tgt Ion:152 Resp: 117307

Ion Ratio Lower Upper

152 100

115 58.6 29.1 87.3

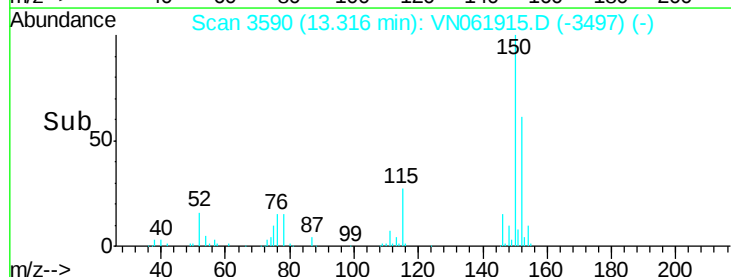
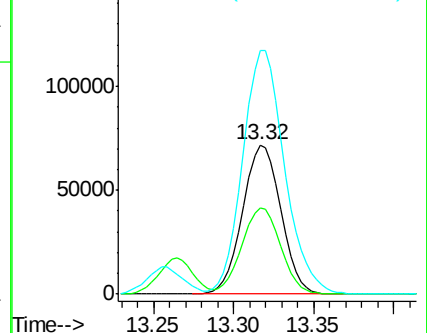
150 178.9 0.0 347.6

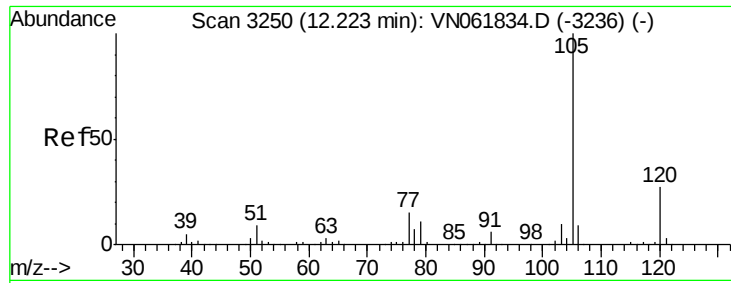


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.728 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 431205

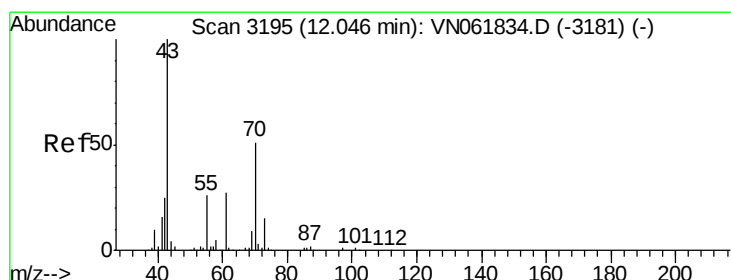
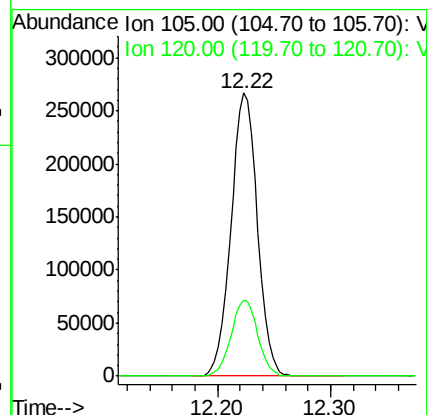
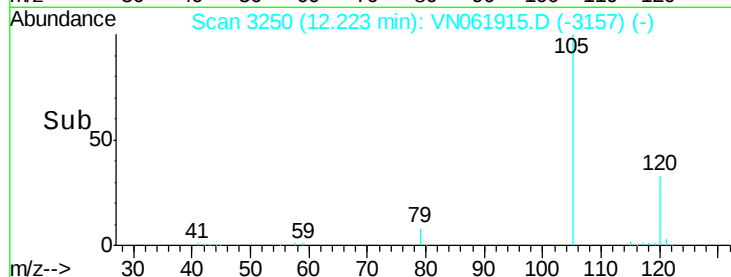
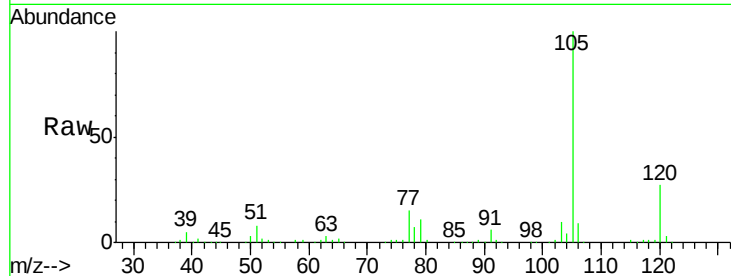
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8

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#74

N-ethyl acetate

Concen: 50.473 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Tgt Ion: 43 Resp: 152461

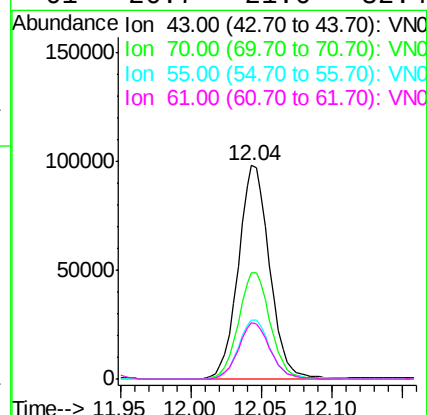
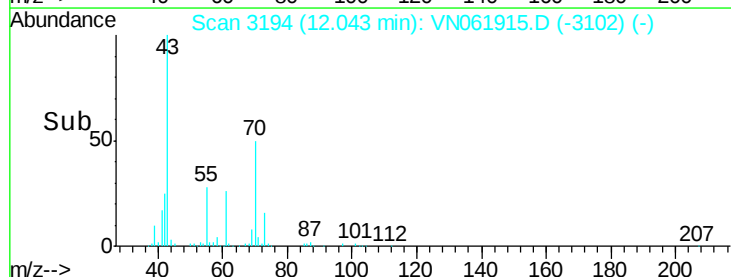
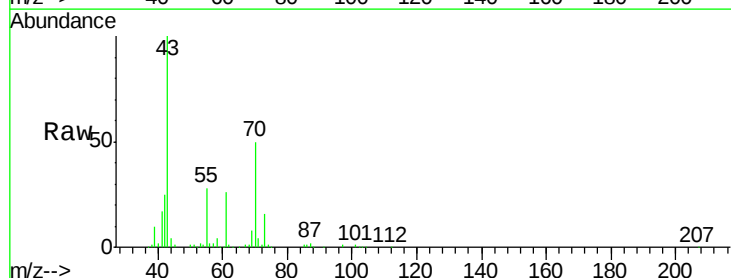
Ion Ratio Lower Upper

43 100

70 50.9 40.6 60.8

55 28.4 21.5 32.3

61 26.7 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.779 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

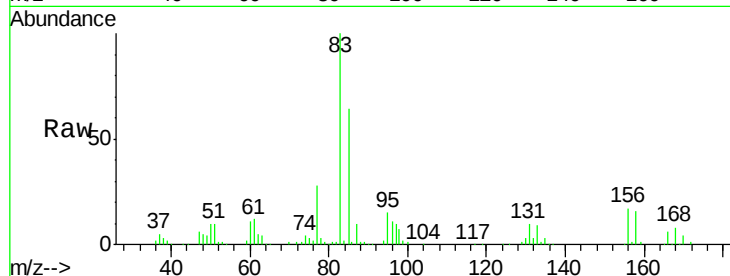
ClientSampleId :

VSTDCCC050EC

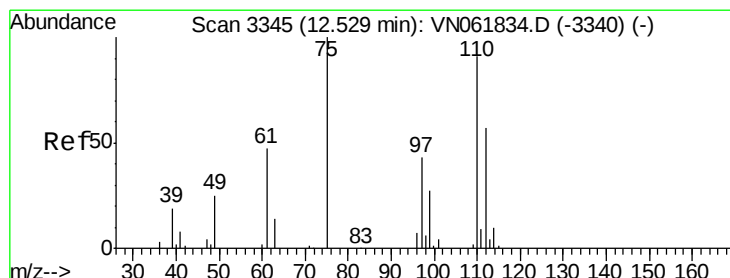
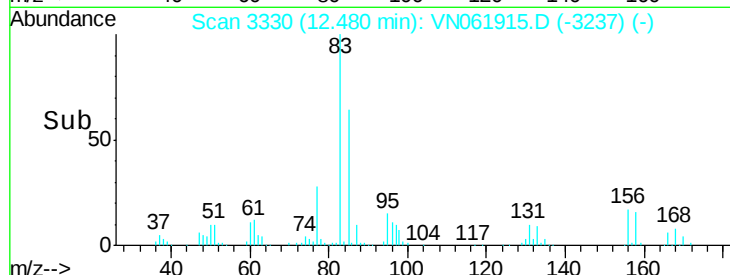
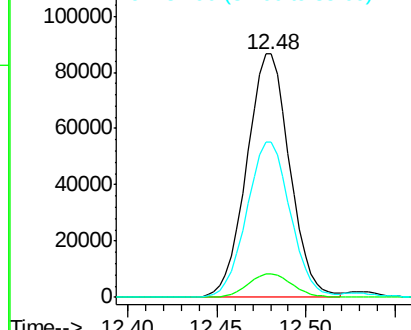
Tot Ion:	83	Resp:	145752
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	64.7	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061915.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 55.866 ug/l m

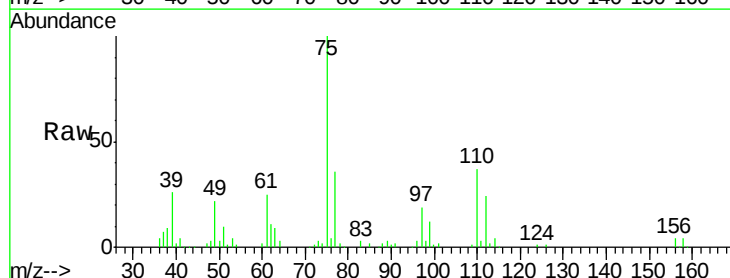
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

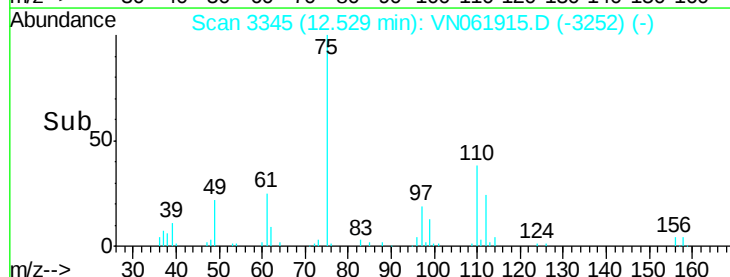
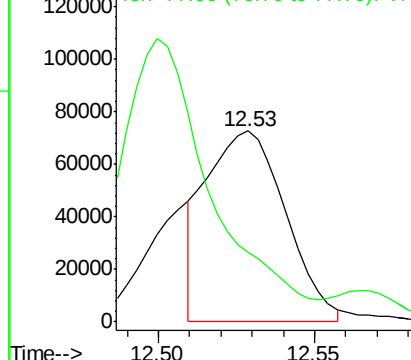
Lab File: VN061915.D

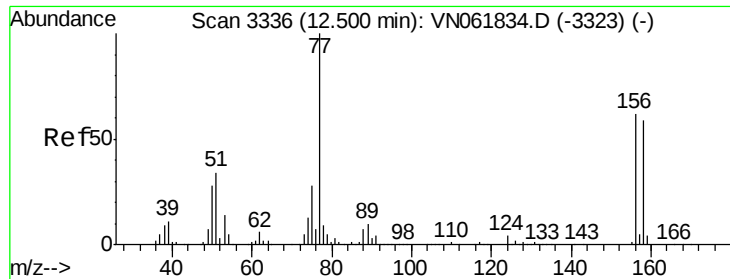
Acq: 18 Jun 2020 21:16

Tgt Ion:	75	Resp:	128662
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061915.D (-3252) (-)





#77

Bromobenzene

Concen: 54.085 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

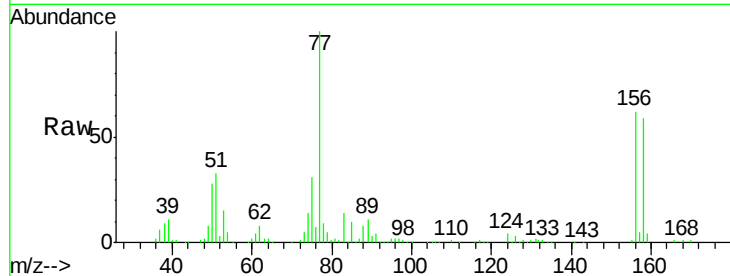
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	113743
Ion Ratio	Lower	Upper	
156	100		
77	195.1	100.7	302.1
158	94.9	48.5	145.5

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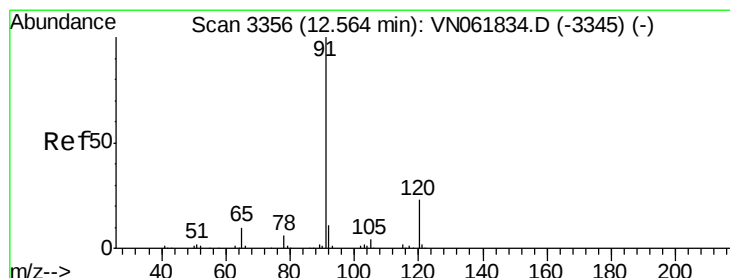
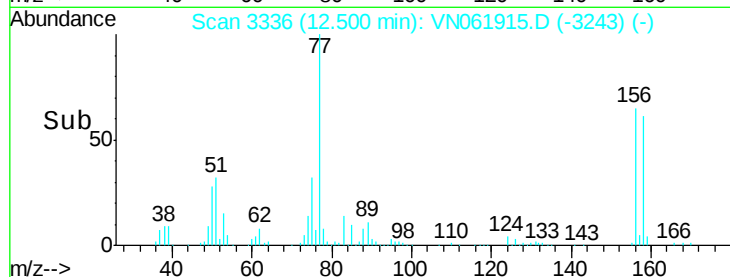
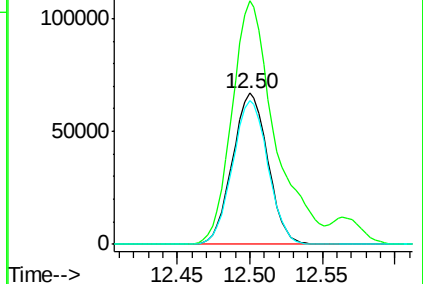
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.521 ug/l

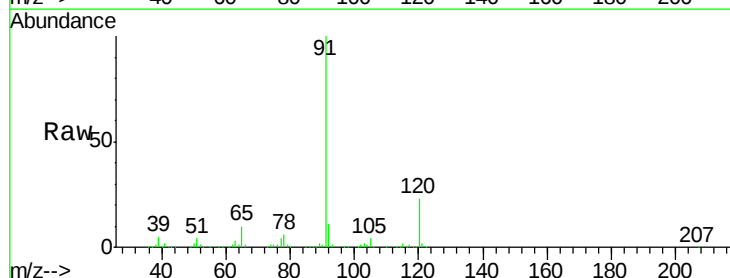
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061915.D

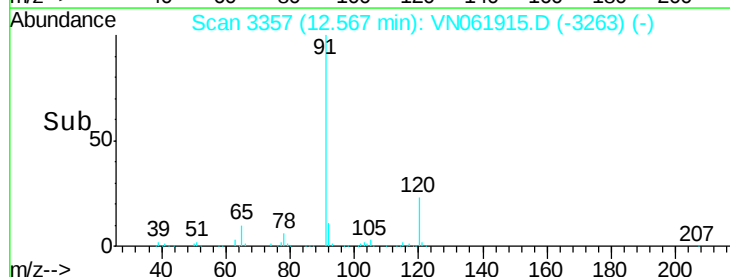
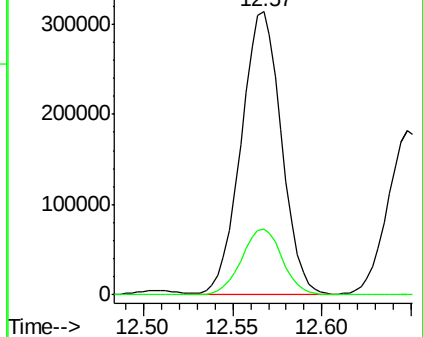
Acq: 18 Jun 2020 21:16

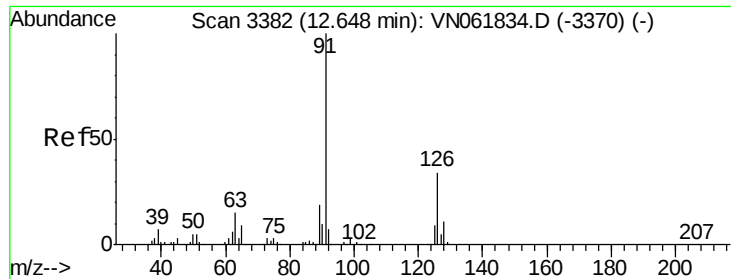
Tgt Ion:	91	Resp:	490050
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





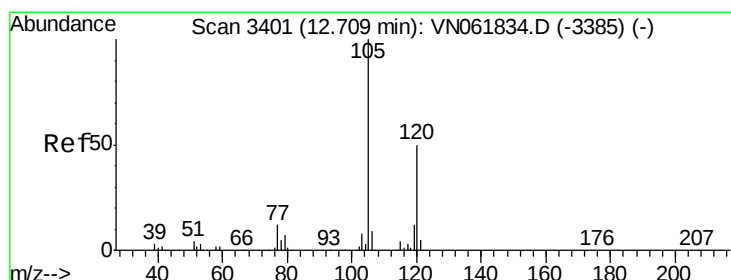
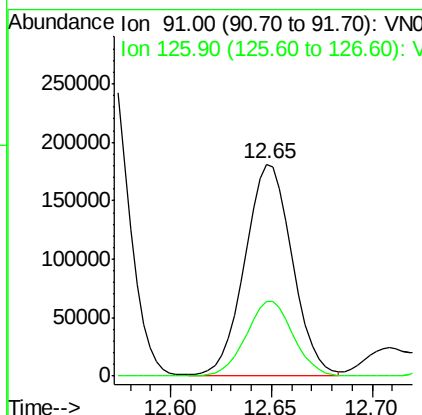
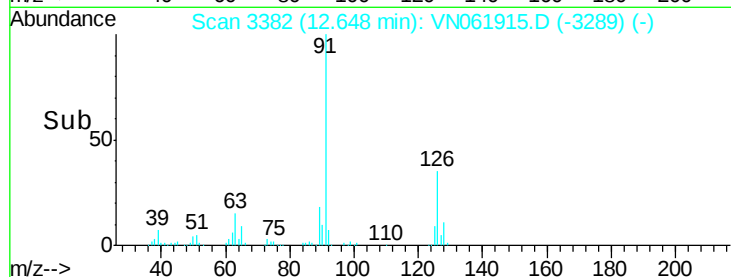
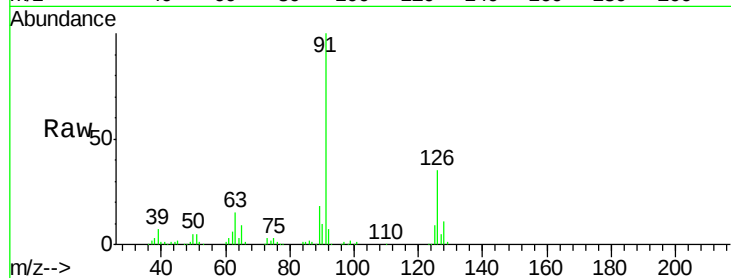
#79
 2-Chlorotoluene
 Concen: 51.665 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 295148
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.3 51.7

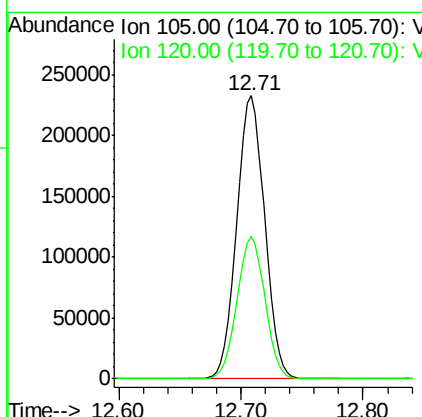
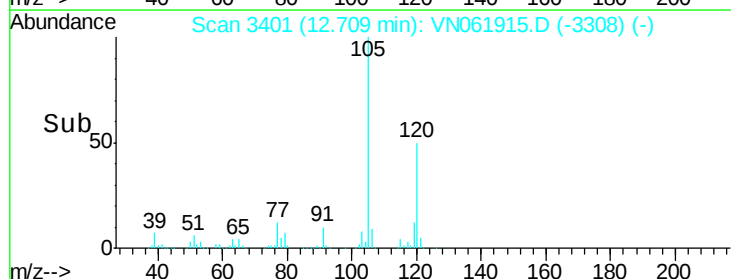
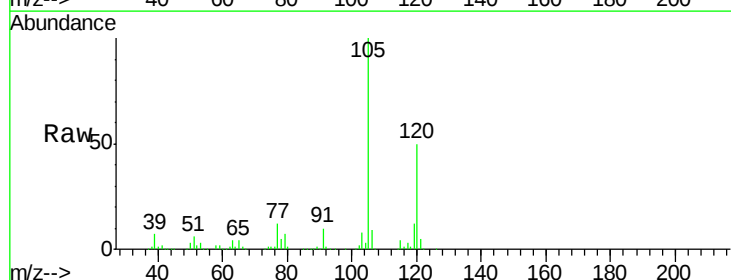
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.459 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion: 105 Resp: 368684
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 52.613 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061915.D

Acq: 18 Jun 2020 21:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 44426

Ion Ratio Lower Upper

75 100

53 90.3 70.4 105.6

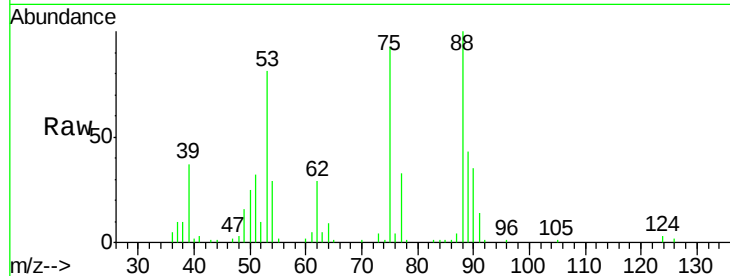
89 46.5 36.0 54.0

Manual Integrations

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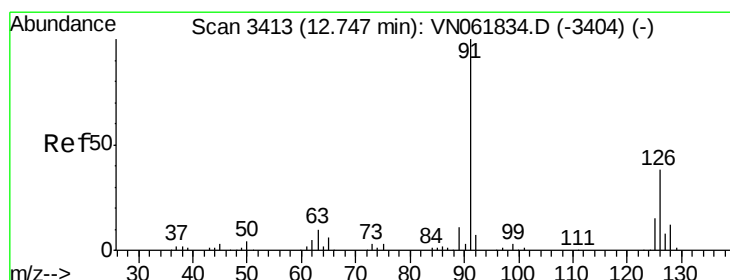
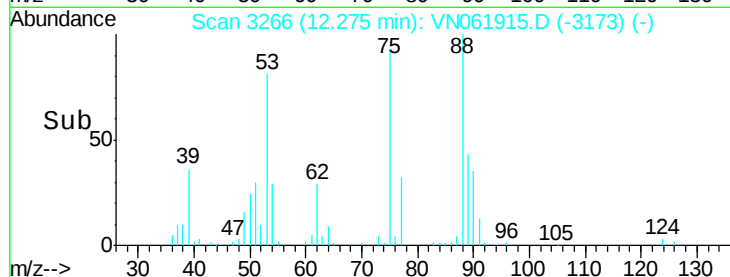
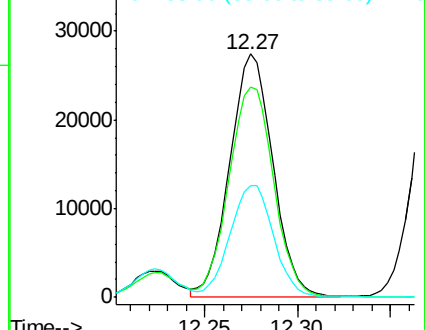
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.221 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061915.D

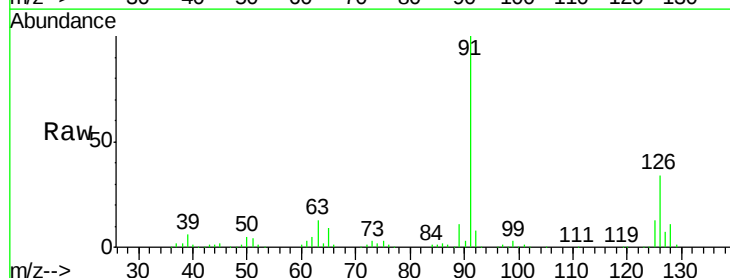
Acq: 18 Jun 2020 21:16

Tgt Ion: 91 Resp: 308260

Ion Ratio Lower Upper

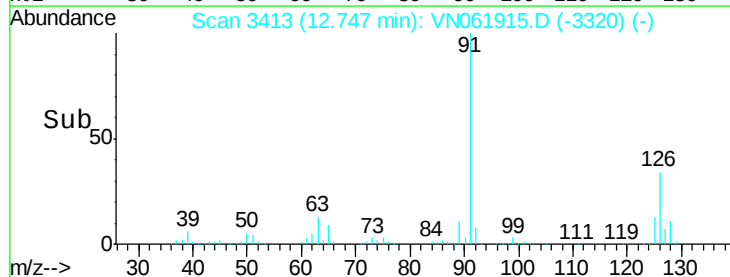
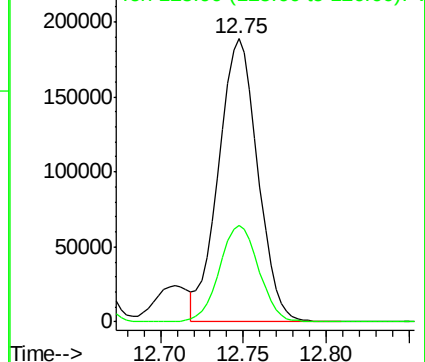
91 100

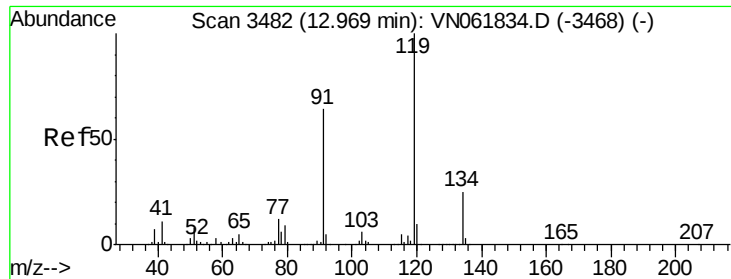
126 34.3 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





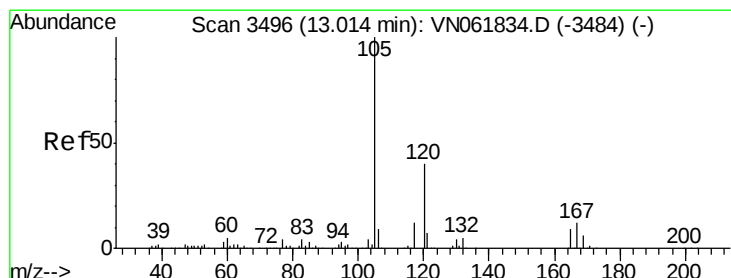
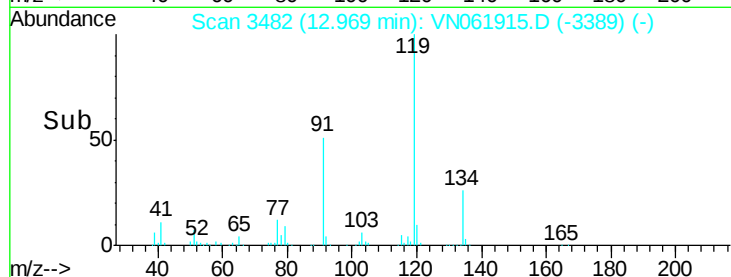
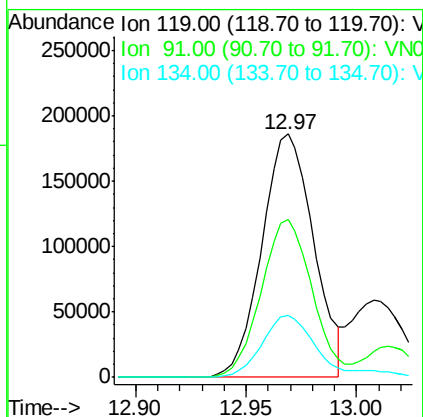
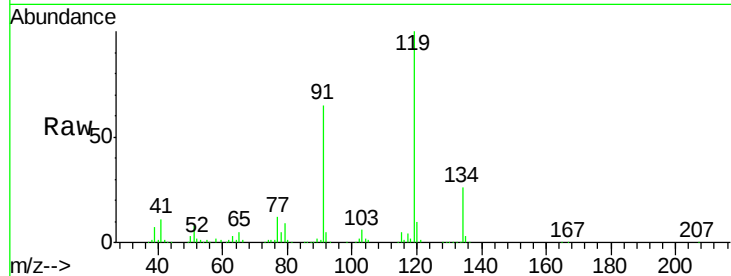
#83
tert-Butylbenzene
Concen: 51.825 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	31.5	94.5
134	27.7	13.3	39.9

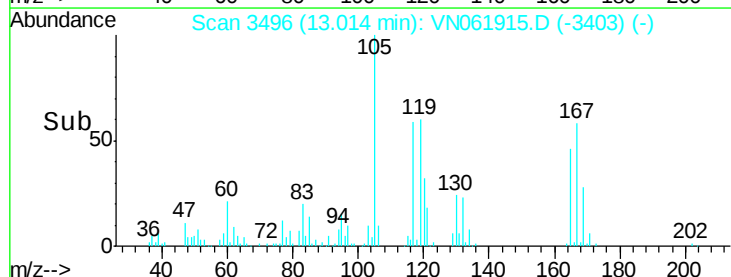
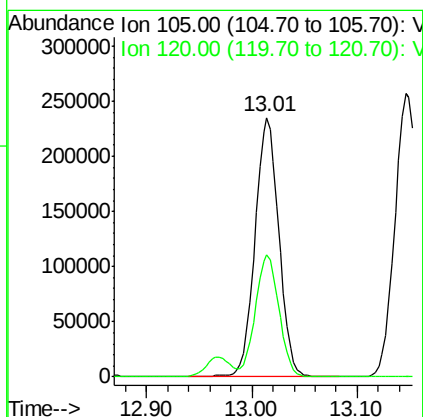
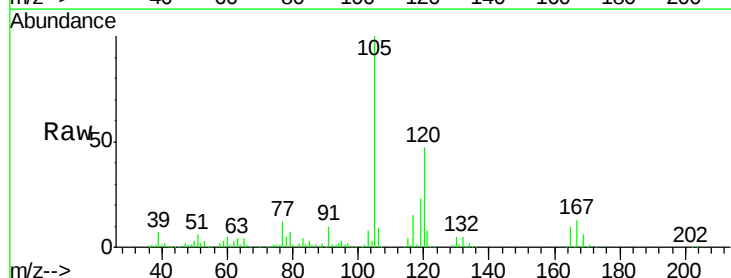
Manual Integrations
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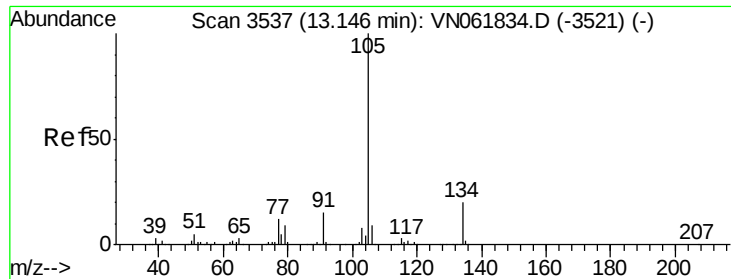
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#84
1,2,4-Trimethylbenzene
Concen: 54.640 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.9





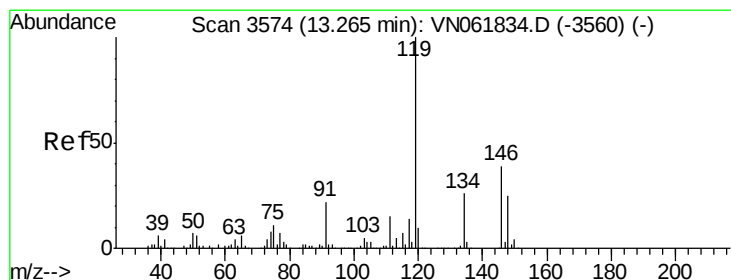
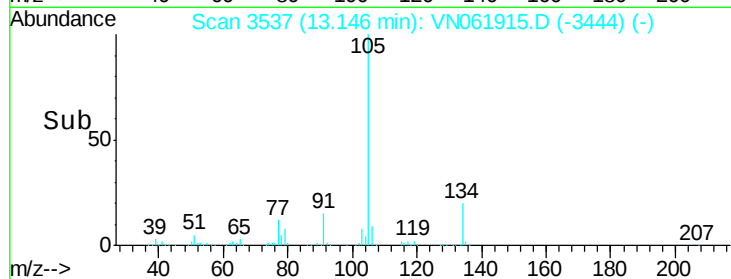
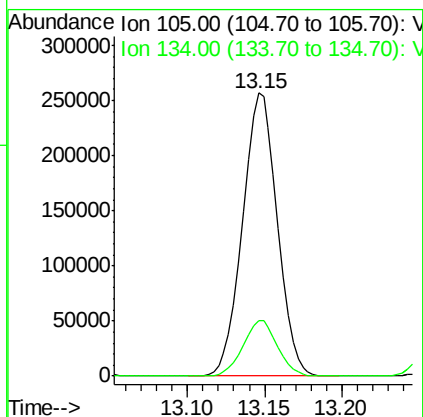
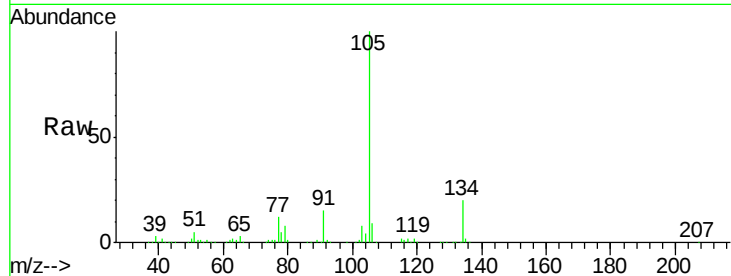
#85
 sec-Butylbenzene
 Concen: 52.281 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.1	30.1

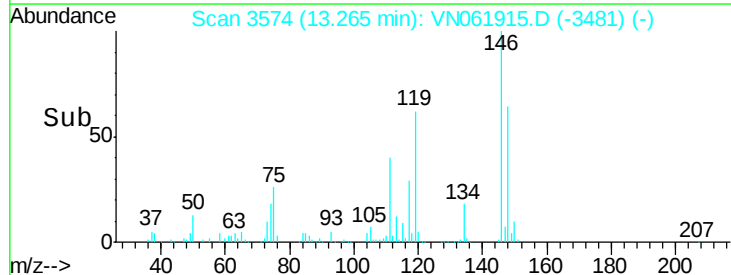
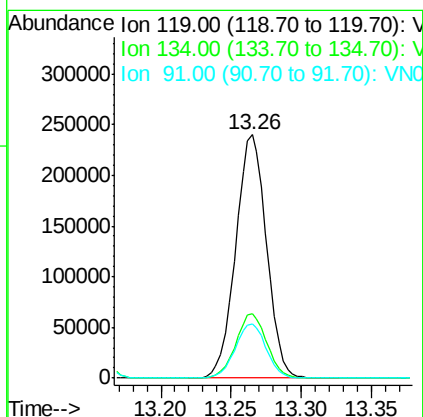
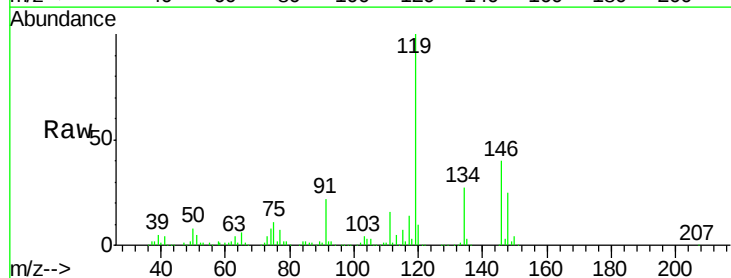
Manual Integrations
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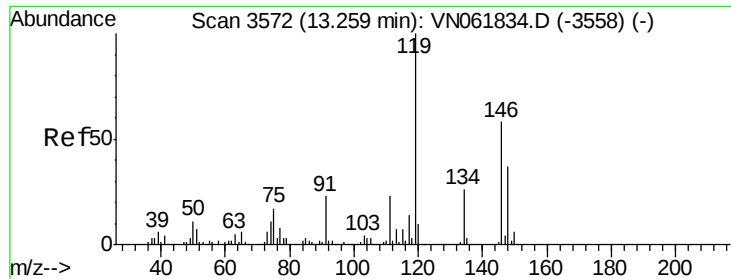
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#86
 p-Isopropyltoluene
 Concen: 53.624 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.9
91	22.3	11.2	33.6





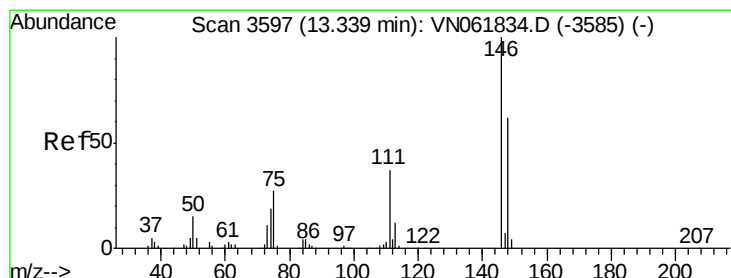
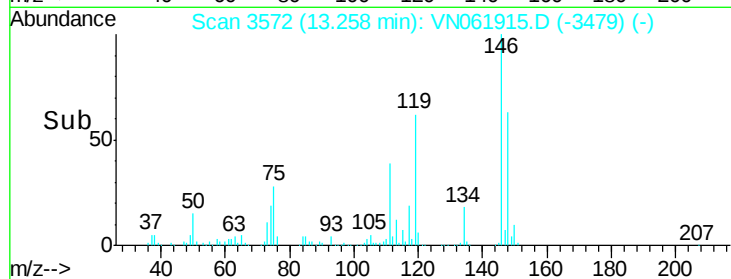
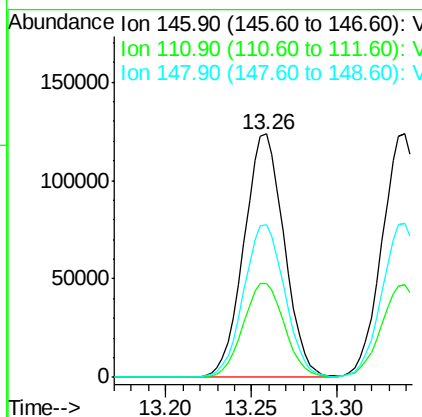
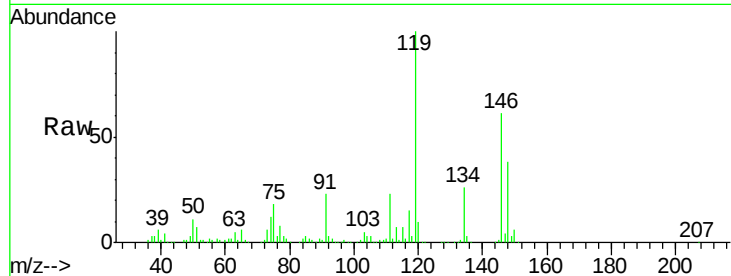
#87
 1,3-Dichlorobenzene
 Concen: 52.467 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	63.9	31.8	95.4

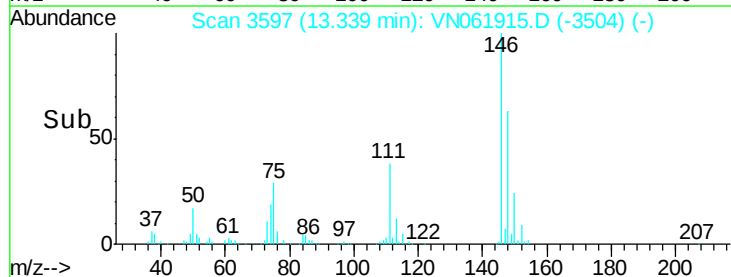
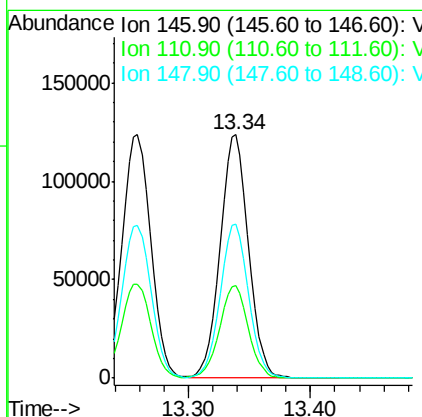
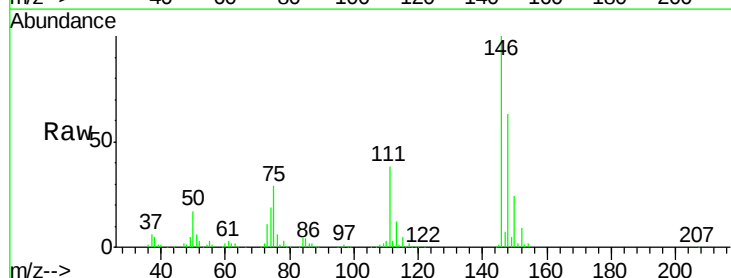
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#88
 1,4-Dichlorobenzene
 Concen: 51.559 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	63.4	31.6	94.7





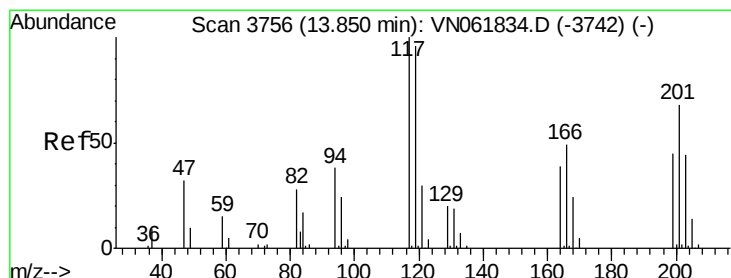
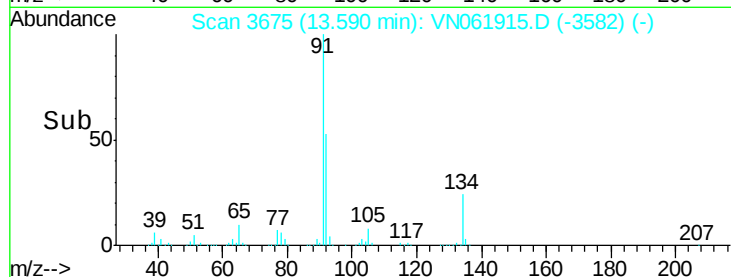
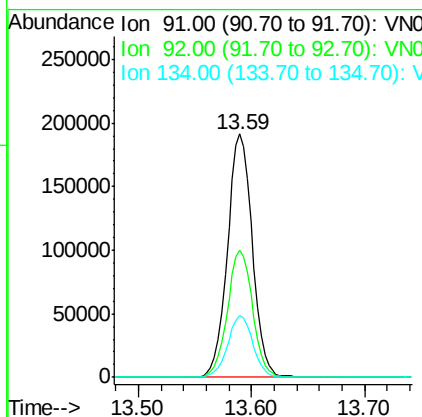
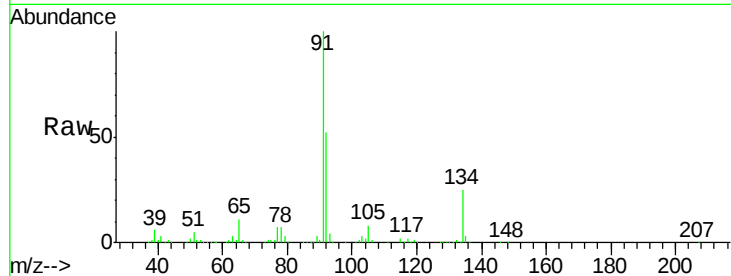
#89
n-Butylbenzene
Concen: 51.323 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.0	80.8
134	25.7	13.0	39.0

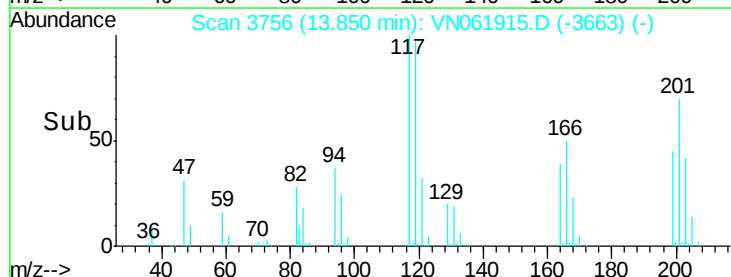
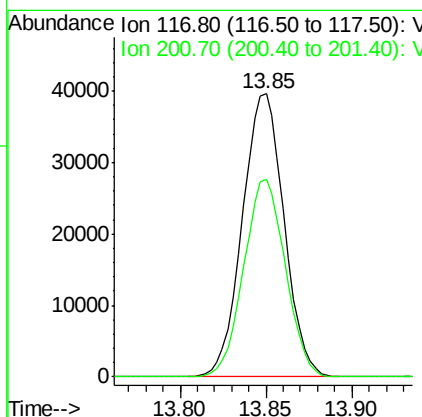
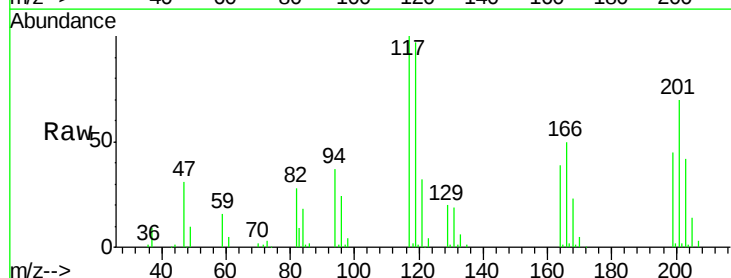
Manual Integrations
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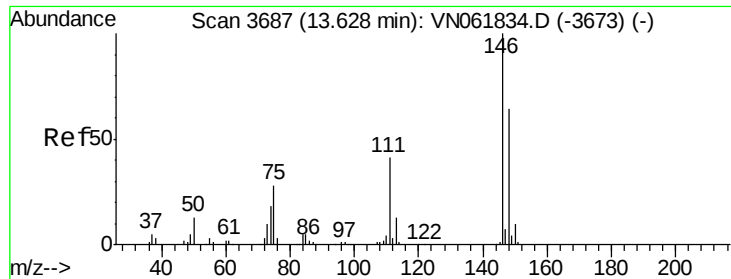
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#90
Hexachloroethane
Concen: 53.432 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.5	34.6	103.8





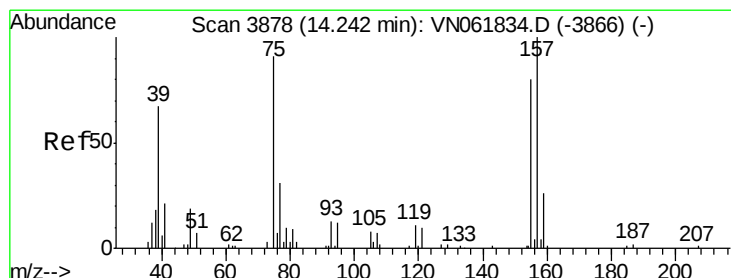
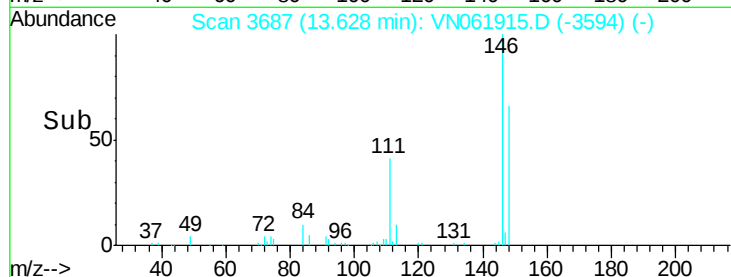
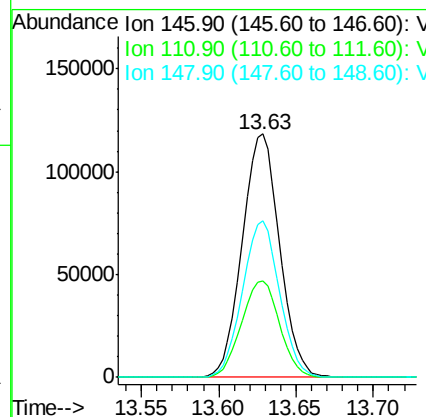
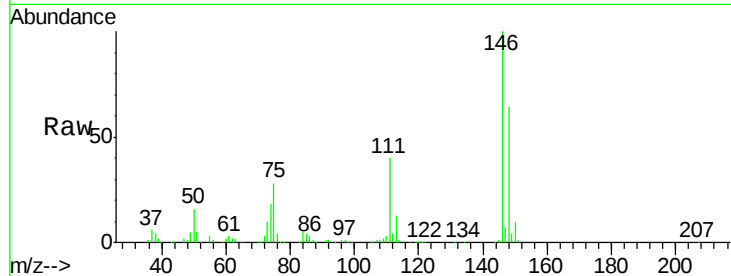
#91
 1,2-Dichlorobenzene
 Concen: 53.868 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.2
148	63.8	31.8	95.4

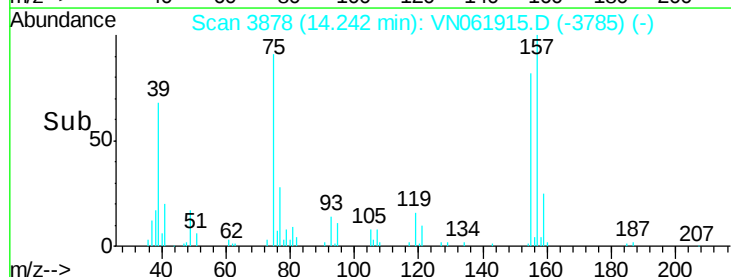
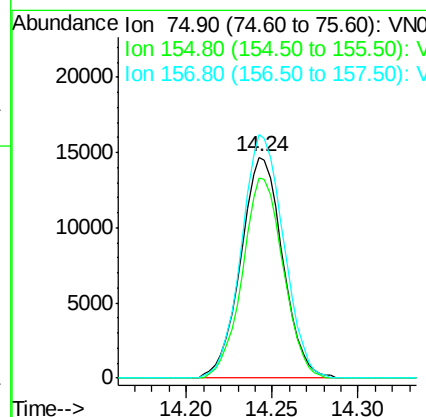
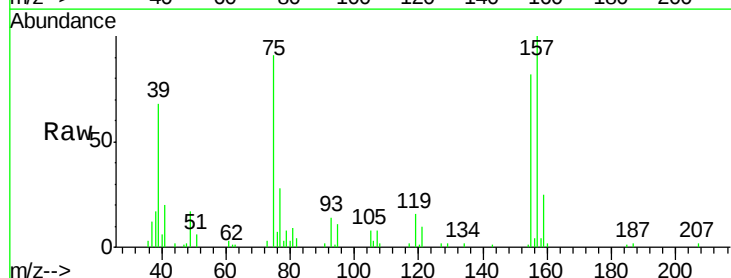
Manual Integrations
 APPROVED

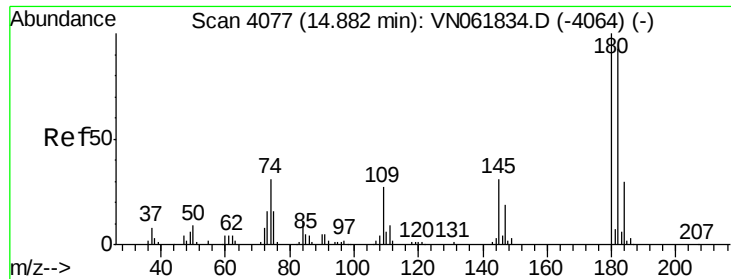
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.549 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	44.4	133.2
157	111.0	57.0	171.2





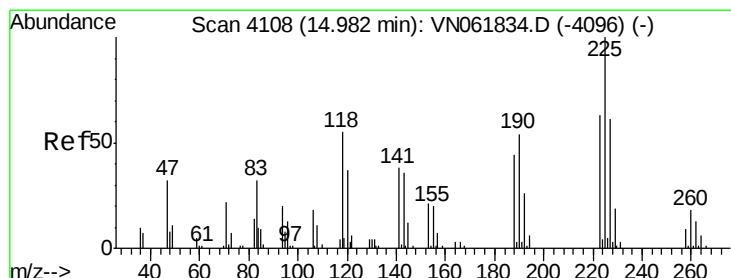
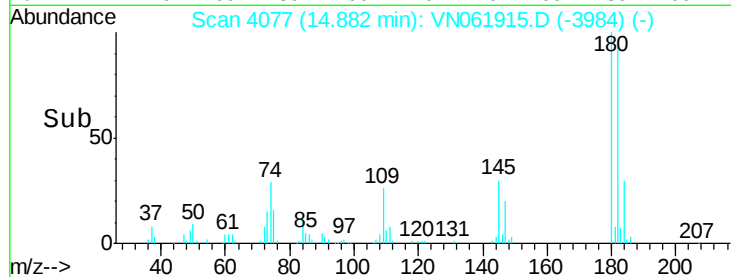
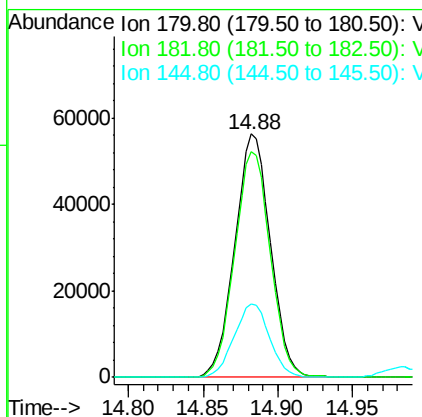
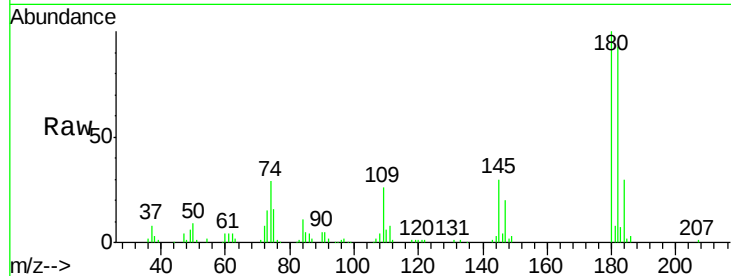
#93
 1,2,4-Trichlorobenzene
 Concen: 53.651 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.0	141.2
145	29.9	15.8	47.3

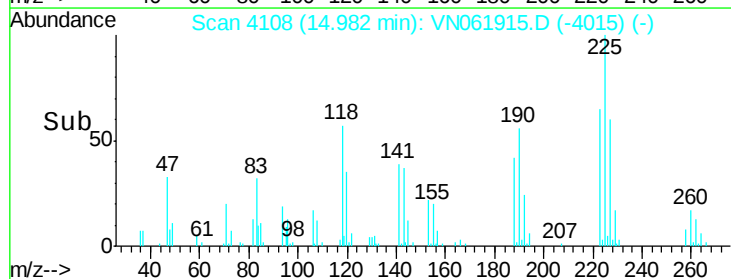
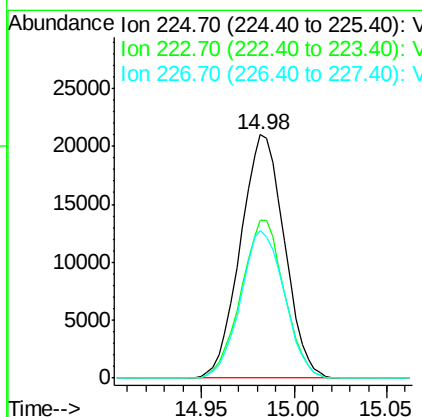
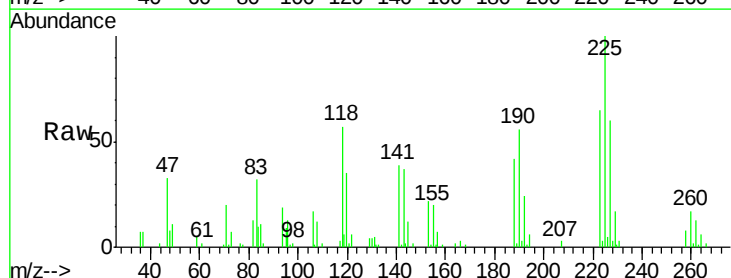
Manual Integrations
 APPROVED

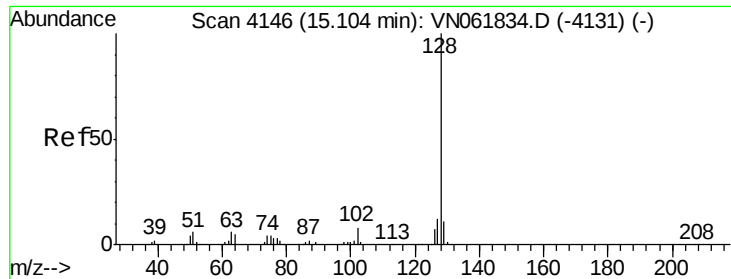
MMDadoda
 6/19/2020 1:03:29 PM



#94
 Hexachlorobutadiene
 Concen: 50.264 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061915.D
 Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	60.1	30.1	90.3





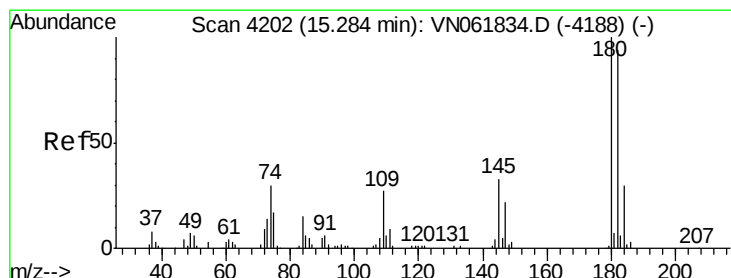
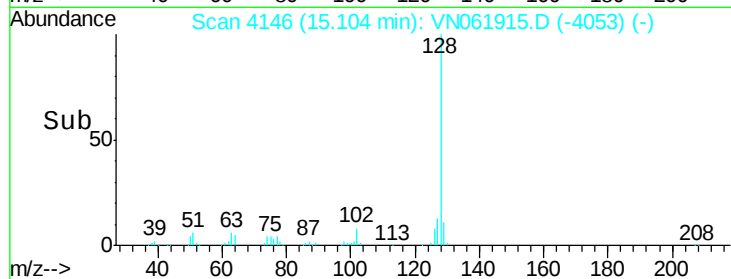
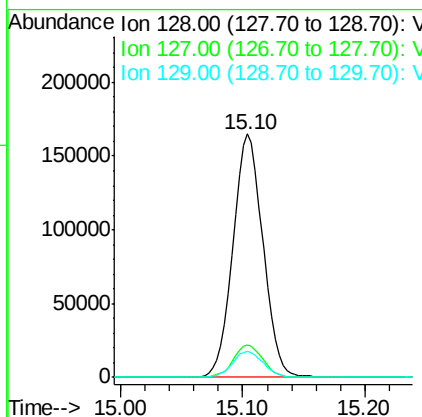
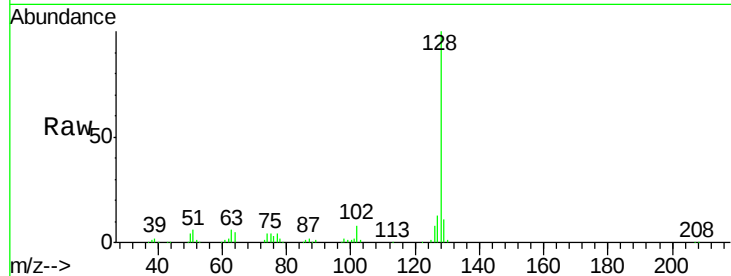
#95
Naphthalene
Concen: 48.355 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/19/2020 1:03:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.055 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061915.D
Acq: 18 Jun 2020 21:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.6
145	33.3	16.5	49.5

