

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061942.D
 Acq On : 19 Jun 2020 9:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/19/2020 1:02:10 PM

Quant Time: Jun 19 12:05:58 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	150931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	273036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	256143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	125552	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	101316	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	7.55	113	86051	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	10.06	98	330411	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.38	95	114755	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	101891	51.872	ug/l	99
3) Chloromethane	2.03	50	108241	51.666	ug/l	96
4) Vinyl Chloride	2.16	62	136959	54.838	ug/l	98
5) Bromomethane	2.52	94	90078	46.967	ug/l	100
6) Chloroethane	2.67	64	89968	53.227	ug/l	99
7) Trichlorofluoromethane	2.98	101	162491	54.468	ug/l	96
8) Diethyl Ether	3.37	74	55192	55.031	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	79403	51.881	ug/l	99
10) Methyl Iodide	3.91	142	105494	56.356	ug/l	99
11) Tert butyl alcohol	4.73	59	72487	258.781	ug/l	98
12) 1,1-Dichloroethene	3.70	96	83316	54.330	ug/l	95
13) Acrolein	3.57	56	42127	251.634	ug/l	100
14) Allyl chloride	4.27	41	103929	51.063	ug/l	99
15) Acrylonitrile	4.93	53	199074	286.823	ug/l	99
16) Acetone	3.77	43	155907	260.752	ug/l	99
17) Carbon Disulfide	4.01	76	227135	50.619	ug/l	99
18) Methyl Acetate	4.27	43	95408	55.424	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	275965	54.047	ug/l	99
20) Methylene Chloride	4.50	84	98192	50.407	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	92693	52.624	ug/l	99
22) Diisopropyl ether	5.90	45	248756	53.440	ug/l	98
23) Vinyl Acetate	5.84	43	998871	272.834	ug/l	100
24) 1,1-Dichloroethane	5.80	63	161795	53.097	ug/l	99
25) 2-Butanone	6.78	43	239612	274.672	ug/l	97
26) 2,2-Dichloropropane	6.78	77	86028	33.557	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	107702	52.992	ug/l	96
28) Bromochloromethane	7.15	49	71269	52.529	ug/l	98
29) Tetrahydrofuran	7.17	42	159103	277.132	ug/l	99
30) Chloroform	7.33	83	171431	52.641	ug/l	100
31) Cyclohexane	7.61	56	129276	48.463	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	146148	52.695	ug/l	100
36) 1,1-Dichloropropene	7.75	75	123923	49.760	ug/l	99
37) Ethyl Acetate	6.88	43	103312	53.124	ug/l	99
38) Carbon Tetrachloride	7.73	117	126261	51.197	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	130815	48.782	ug/l	100
40) Benzene	8.00	78	388426	51.488	ug/l	99
41) Methacrylonitrile	7.13	41	44342m	53.321	ug/l	
42) 1,2-Dichloroethane	8.08	62	131577	51.152	ug/l	99
43) Isopropyl Acetate	8.13	43	172010	52.484	ug/l #	91
44) Trichloroethene	8.80	130	100921	50.832	ug/l	99
45) 1,2-Dichloropropane	9.08	63	96722	52.171	ug/l	100
46) Dibromomethane	9.17	93	67890	52.002	ug/l	99
47) Bromodichloromethane	9.37	83	137396	51.396	ug/l	100
48) Methyl methacrylate	9.17	41	80054	53.712	ug/l	97
49) 1,4-Dioxane	9.17	88	37113	1084.590	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	518992	267.976	ug/l	99
52) Toluene	10.12	92	250644	52.903	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	138672	48.865	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	151181	49.047	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	98933	53.073	ug/l	99
56) Ethyl methacrylate	10.40	69	137742	48.470	ug/l	100
57) 1,3-Dichloropropane	10.68	76	165677	52.462	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	248667	252.760	ug/l	99
59) 2-Hexanone	10.72	43	379584	245.577	ug/l	100
60) Dibromochloromethane	10.87	129	110827	53.281	ug/l	99
61) 1,2-Dibromoethane	10.98	107	102979	52.905	ug/l	99
64) Tetrachloroethene	10.60	164	83617	51.218	ug/l	96
65) Chlorobenzene	11.41	112	271089	50.157	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	98673	52.346	ug/l	99
67) Ethyl Benzene	11.48	91	473257	52.225	ug/l	100
68) m/p-Xylenes	11.60	106	365991	104.740	ug/l	99
69) o-Xylene	11.92	106	176823	53.035	ug/l	98
70) Styrene	11.94	104	304513	54.547	ug/l	99
71) Bromoform	12.10	173	73332	53.354	ug/l #	100
73) Isopropylbenzene	12.22	105	459971	51.555	ug/l	100
74) N-amyl acetate	12.05	43	156615	48.566	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	148207	51.093	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	130133m	52.794	ug/l	
77) Bromobenzene	12.50	156	114448	50.846	ug/l	98
78) n-propylbenzene	12.57	91	521068	51.184	ug/l	99
79) 2-Chlorotoluene	12.65	91	311775	50.992	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	384451	52.085	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	42036	46.513	ug/l	99
82) 4-Chlorotoluene	12.75	91	324041	51.290	ug/l	99
83) tert-Butylbenzene	12.97	119	319493	51.057	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	392966	53.932	ug/l	99
85) sec-Butylbenzene	13.15	105	423119	51.660	ug/l	100
86) p-Isopropyltoluene	13.26	119	386213	52.917	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	205742	50.117	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	205071	48.801	ug/l	99
89) n-Butylbenzene	13.59	91	306792	50.333	ug/l	98
90) Hexachloroethane	13.85	117	72183	54.030	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	204970	51.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	25636	54.439	ug/l	97

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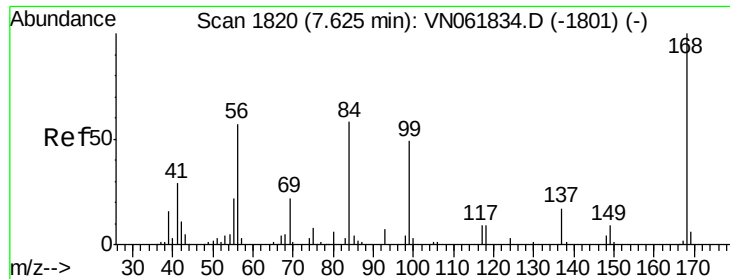
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	93250	50.002	ug/l	100
94) Hexachlorobutadiene	14.98	225	35463	48.281	ug/l	99
95) Naphthalene	15.10	128	281818	45.464	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	97590	52.838	ug/l	98

(#) = 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: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 168 Resp: 150931

Ion Ratio Lower Upper

168 100

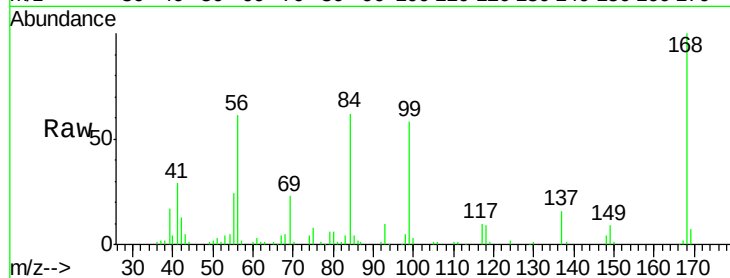
99 58.2 44.6 67.0

Manual Integrations

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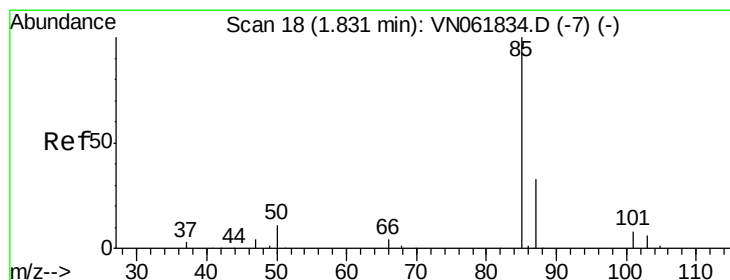
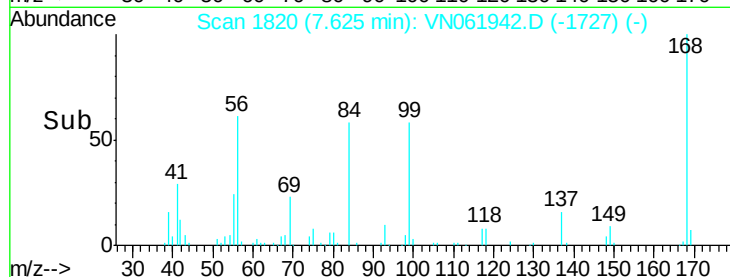
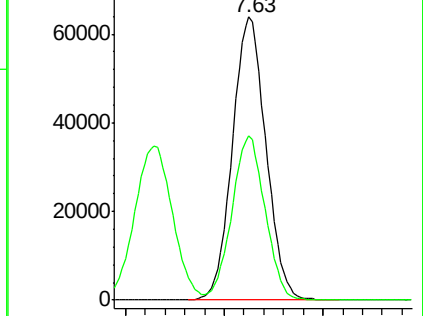
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 51.872 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061942.D

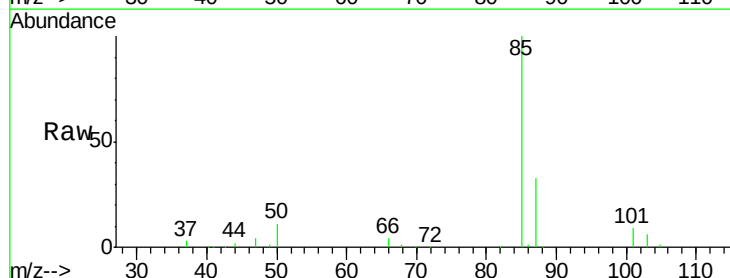
Acq: 19 Jun 2020 9:18

Tgt Ion: 85 Resp: 101891

Ion Ratio Lower Upper

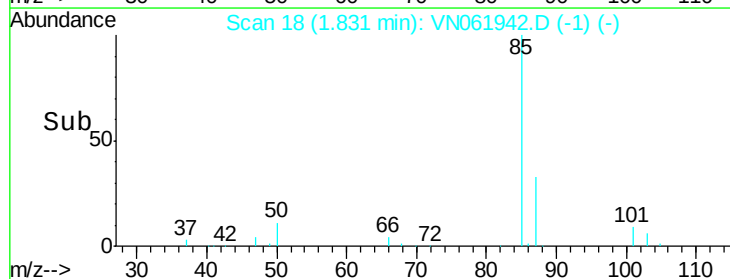
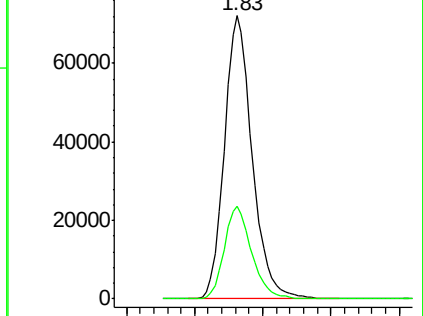
85 100

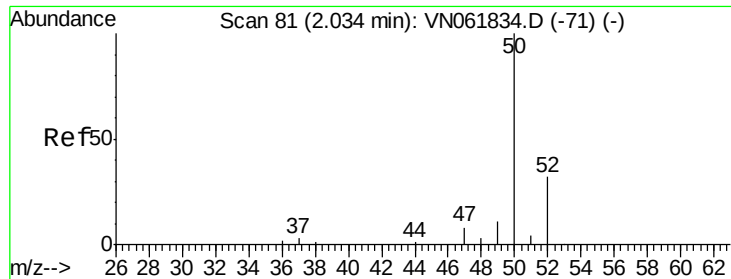
87 32.6 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 51.666 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108241

Ion Ratio Lower Upper

50 100

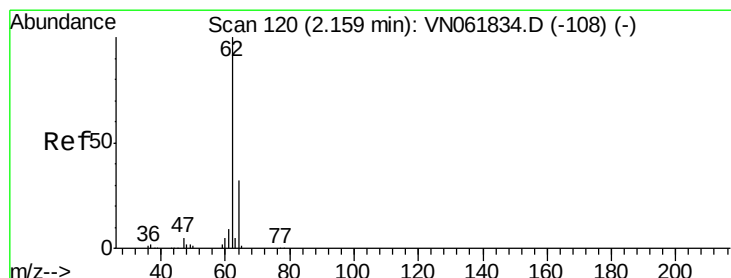
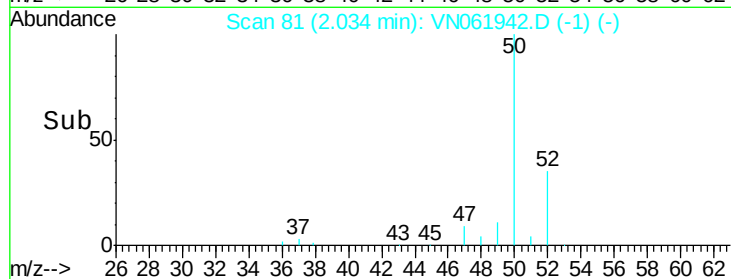
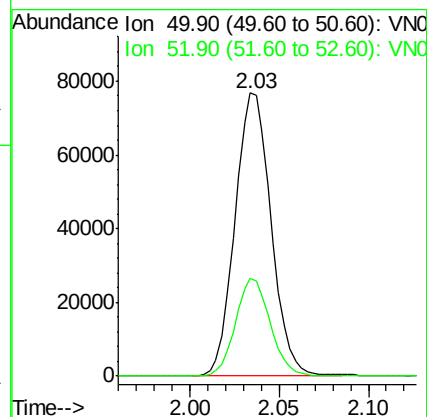
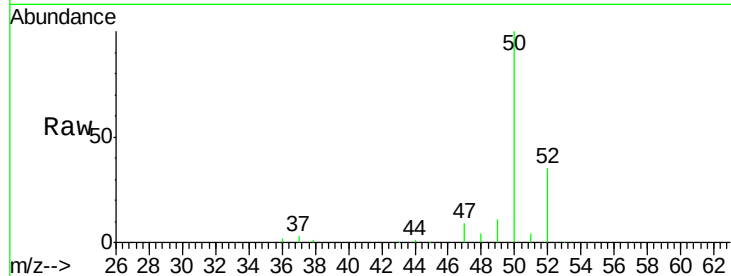
52 34.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.838 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061942.D

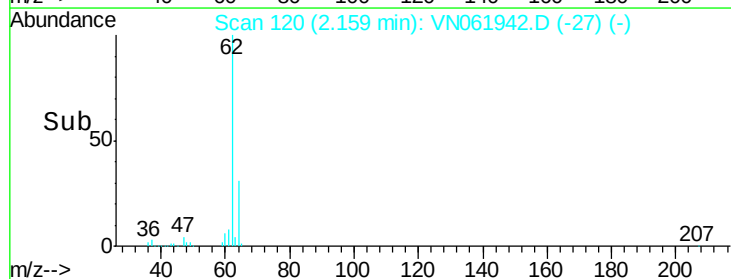
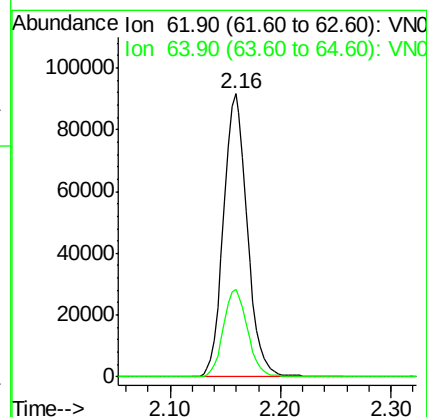
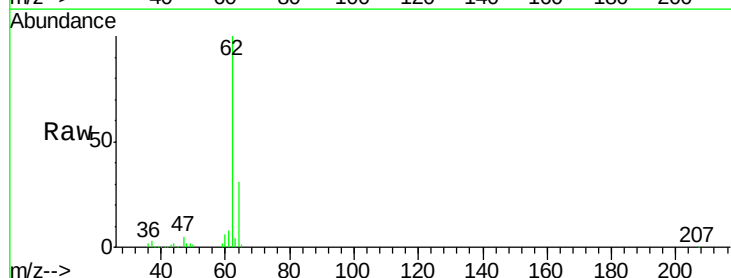
Acq: 19 Jun 2020 9:18

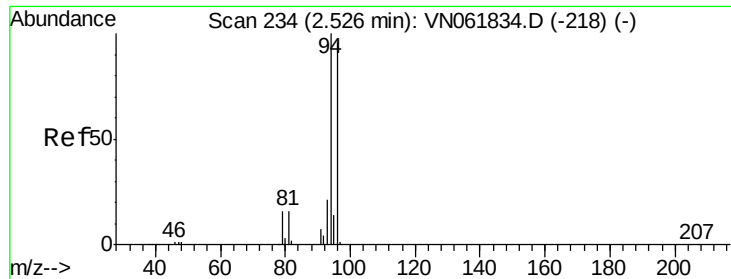
Tgt Ion: 62 Resp: 136959

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 46.967 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 90078

Ion Ratio Lower Upper

94 100

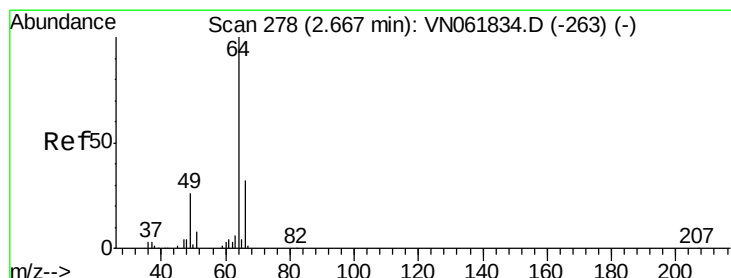
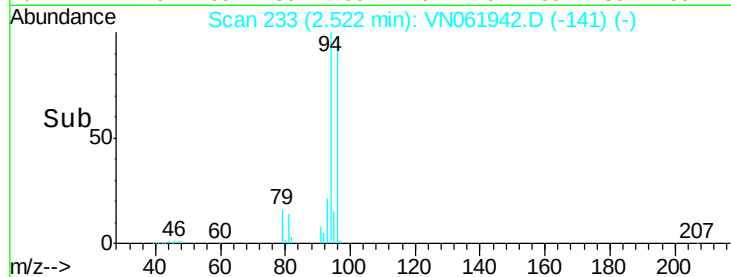
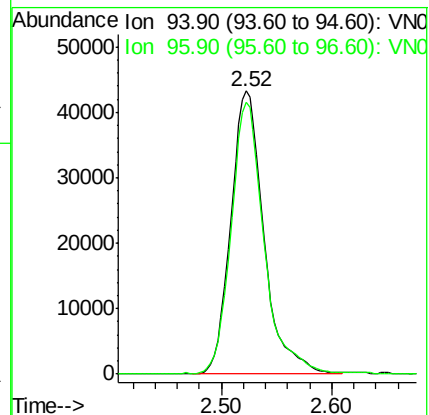
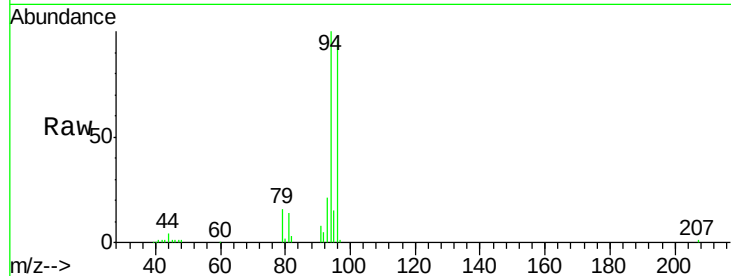
96 96.1 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 53.227 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061942.D

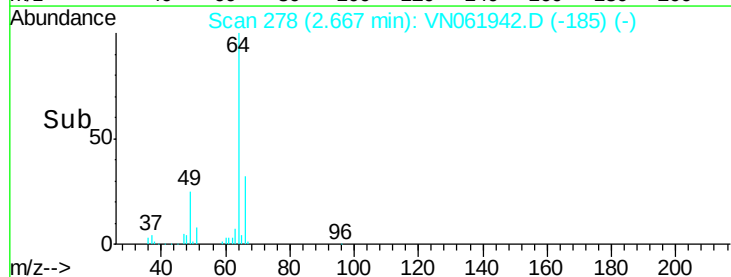
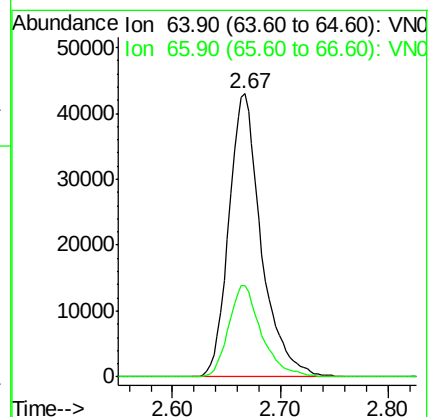
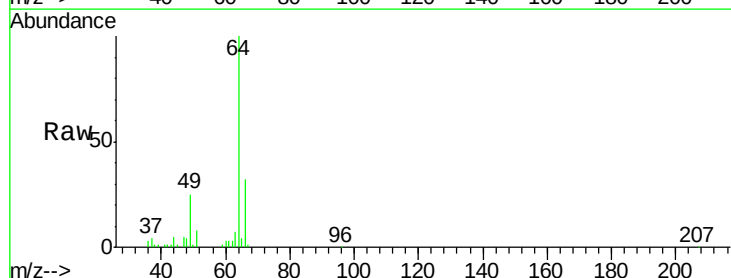
Acq: 19 Jun 2020 9:18

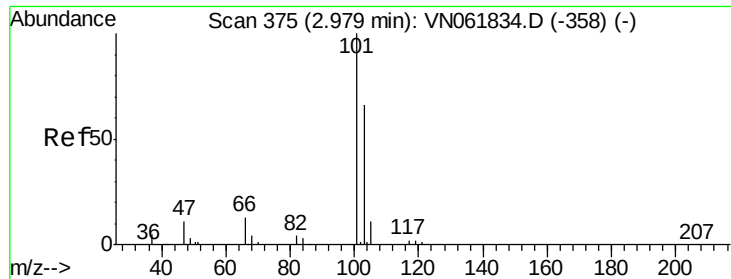
Tgt Ion: 64 Resp: 89968

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.2





#7

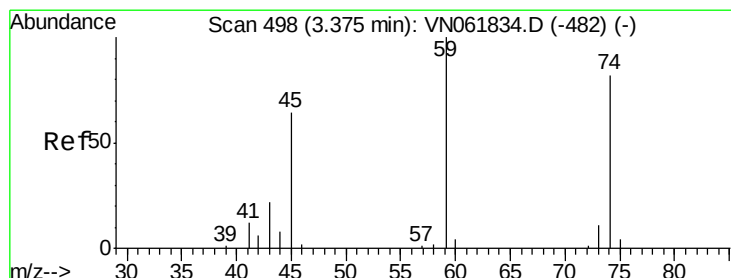
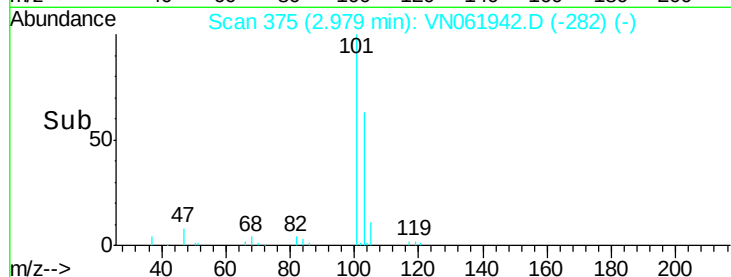
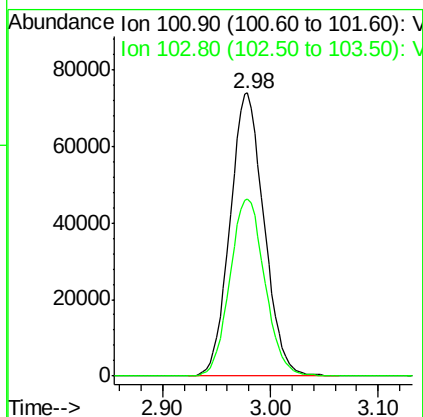
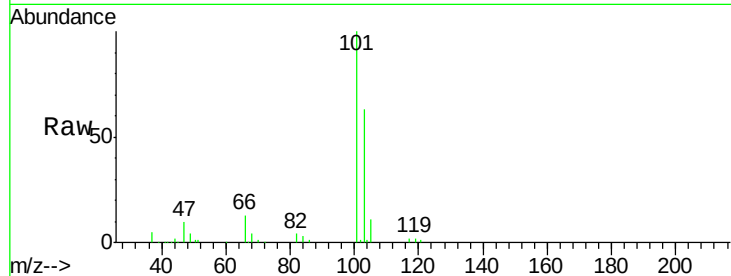
Trichlorofluoromethane
Concen: 54.468 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.8	79.2

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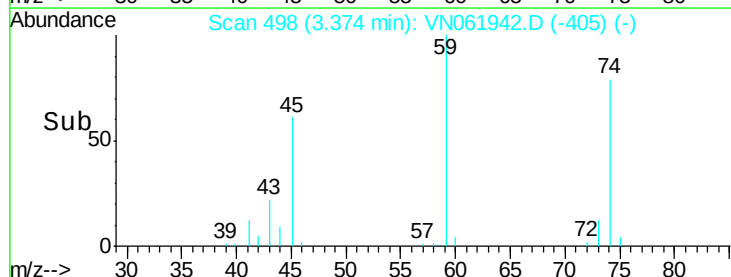
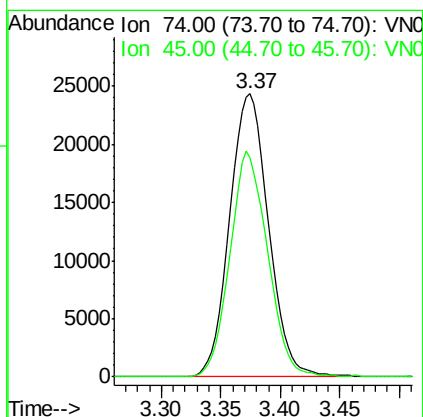
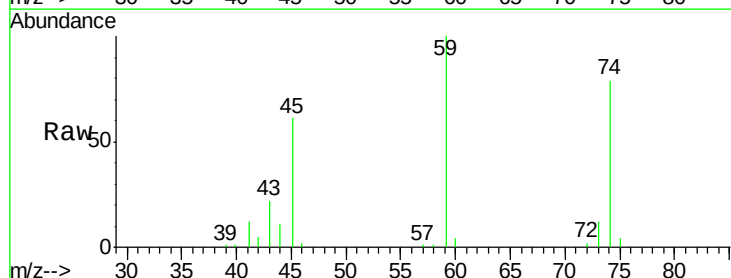
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6/19/2020 1:02:10 PM

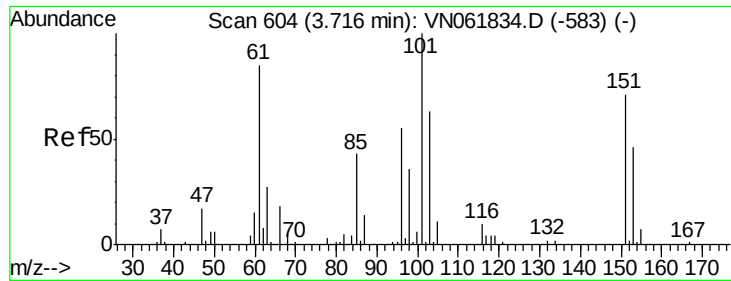


#8

Diethyl Ether
Concen: 55.031 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.1	39.1	117.3





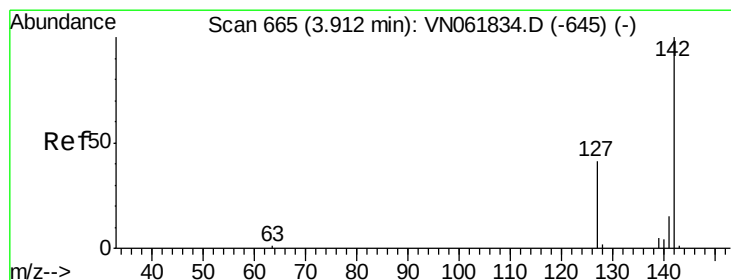
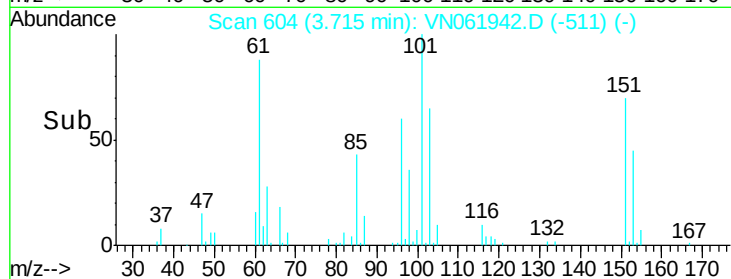
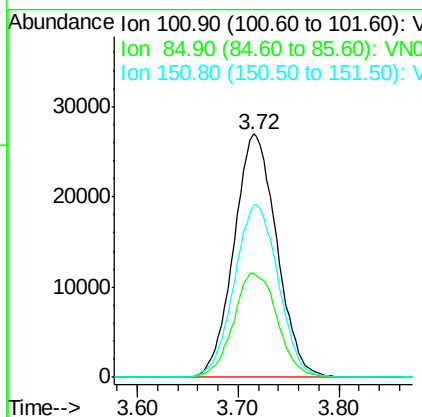
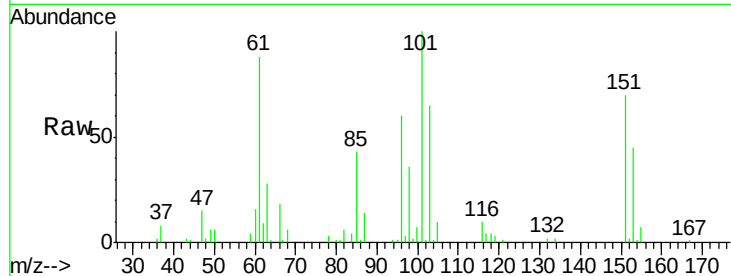
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.881 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.0	52.6
151	73.0	59.2	88.8

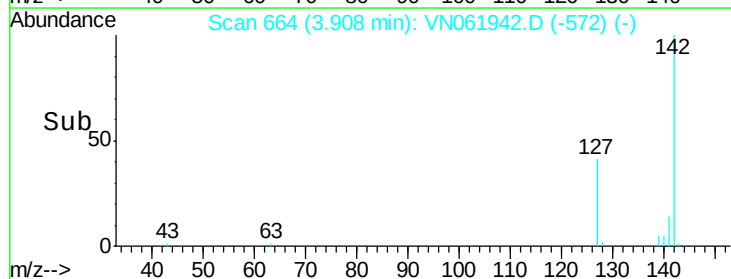
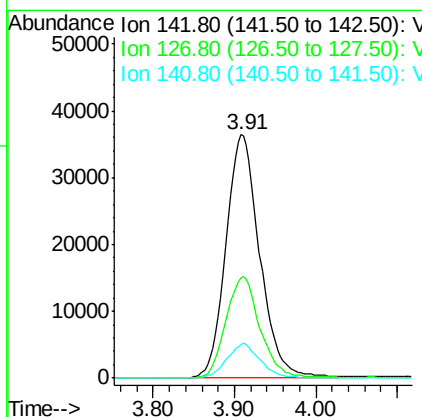
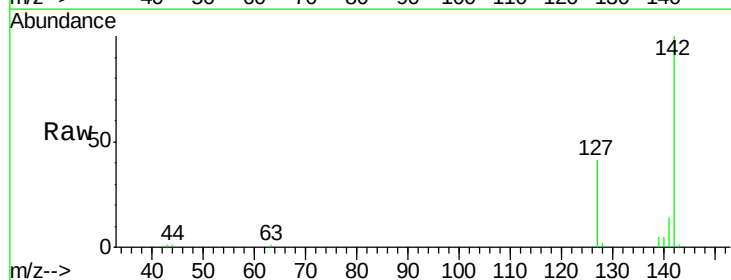
Manual Integrations
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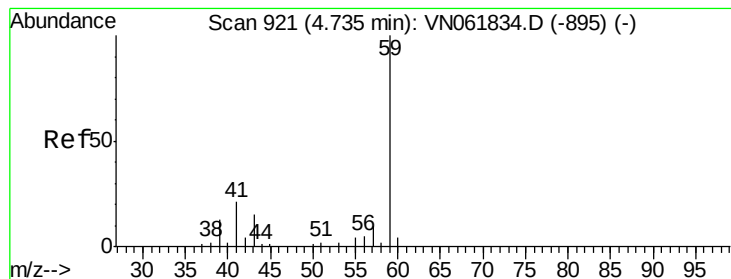
MMDadoda
6/19/2020 1:02:10 PM



#10
Methyl Iodide
Concen: 56.356 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.3	33.4	50.0
141	13.8	11.3	16.9





#11

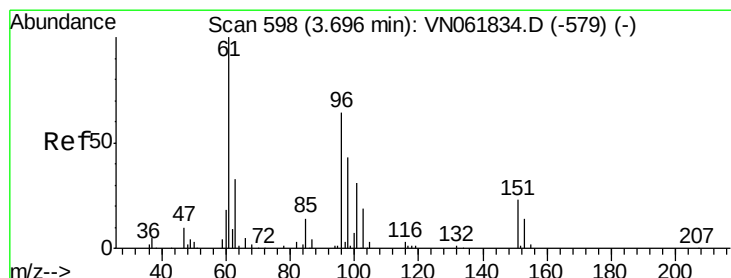
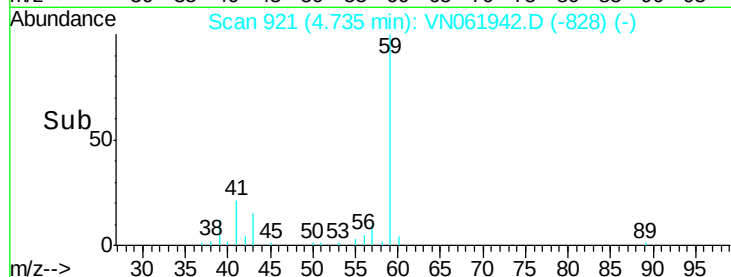
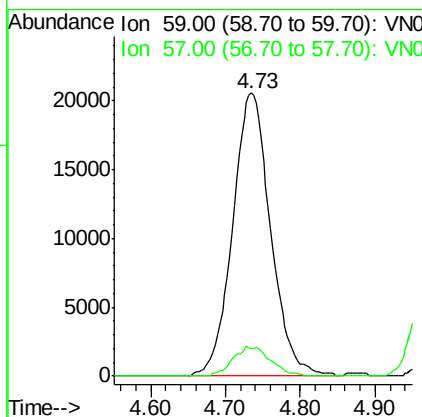
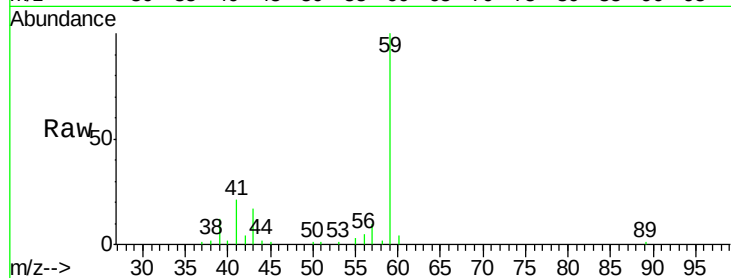
Tert butyl alcohol
 Concen: 258.781 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	72487
Ion Ratio	100	Lower	Upper
57	10.3	7.7	11.5

Manual Integrations
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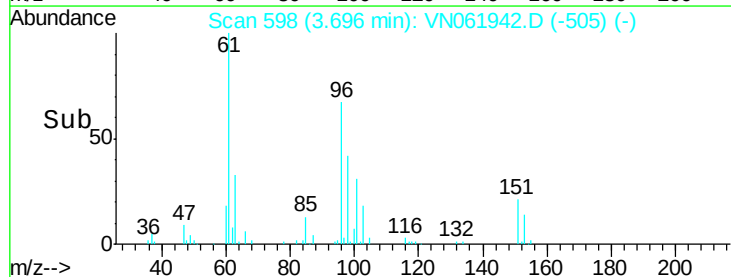
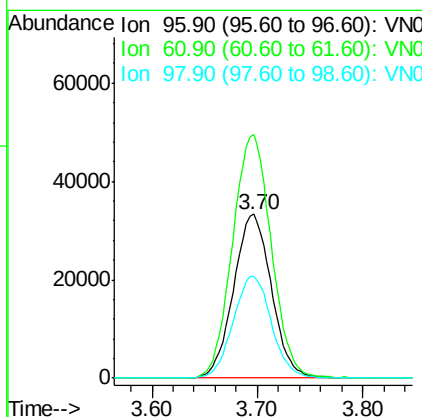
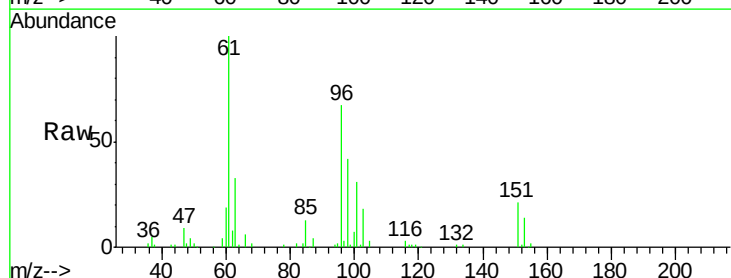
MMDadoda
 6/19/2020 1:02:10 PM

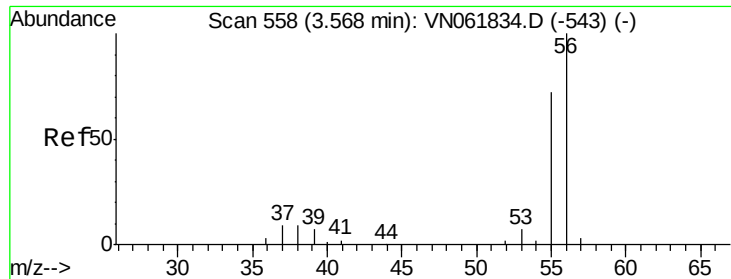


#12

1,1-Dichloroethene
 Concen: 54.330 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion	96	Resp	83316
Ion Ratio	100	Lower	Upper
61	148.7	124.3	186.5
98	62.3	53.1	79.7





#13

Acrolein

Concen: 251.634 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 42127

Ion Ratio Lower Upper

56 100

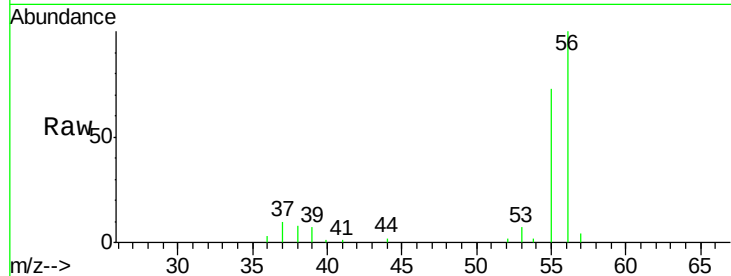
55 70.4 56.2 84.4

Manual Integrations

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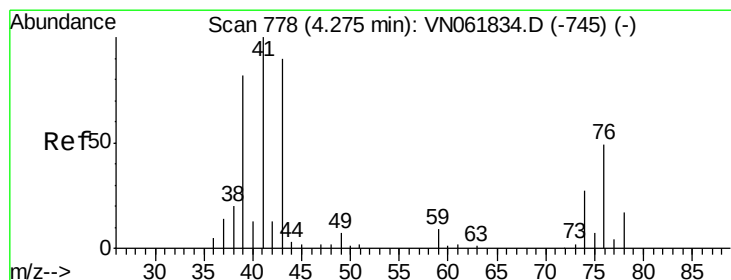
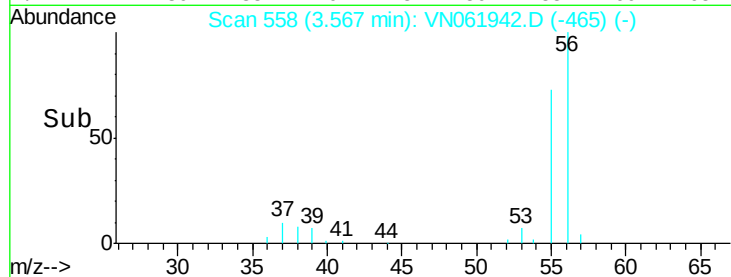
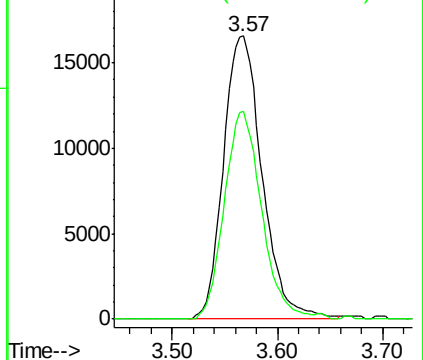
MMDadoda

6/19/2020 1:02:10 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.063 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

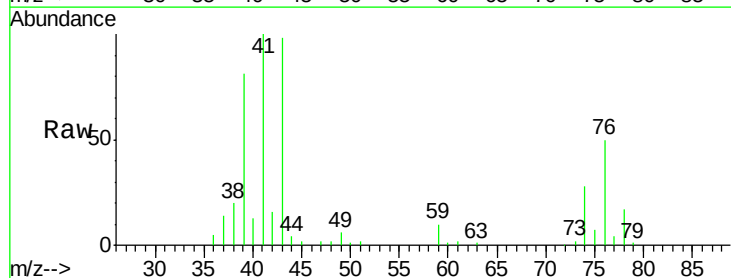
Tgt Ion: 41 Resp: 103929

Ion Ratio Lower Upper

41 100

39 76.7 60.2 90.2

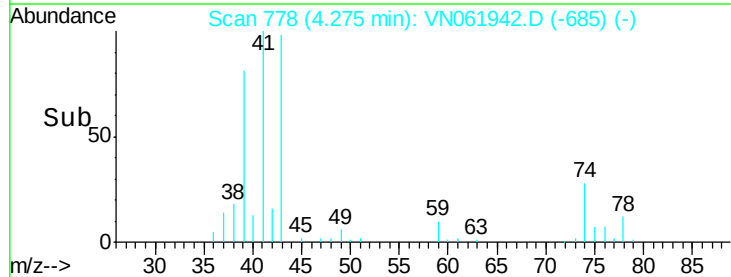
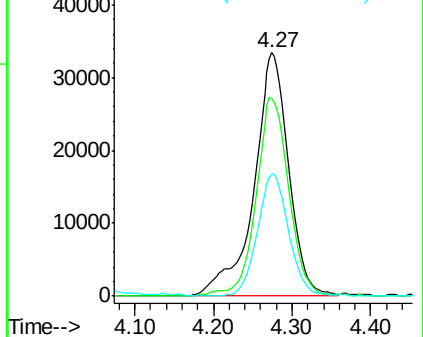
76 45.0 36.3 54.5

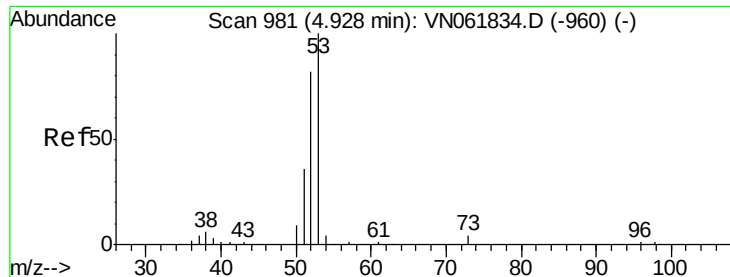


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 286.823 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

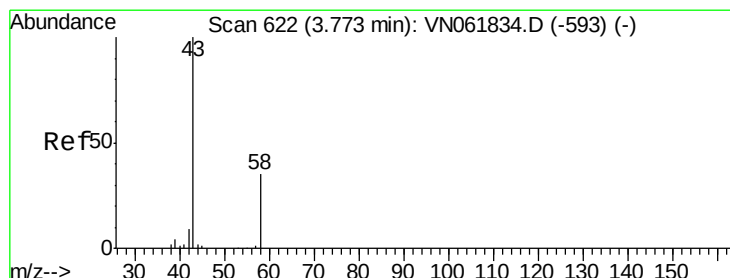
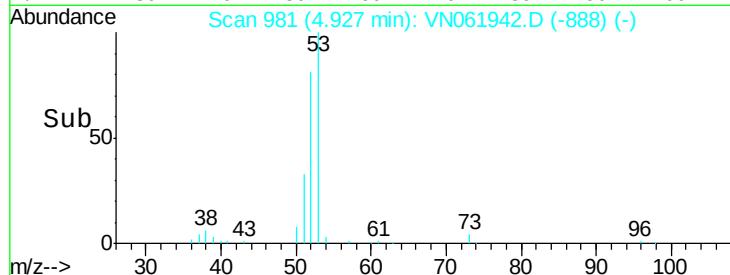
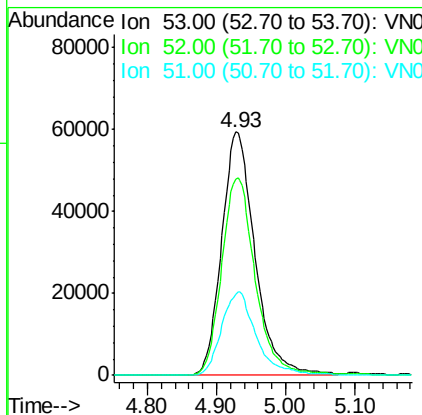
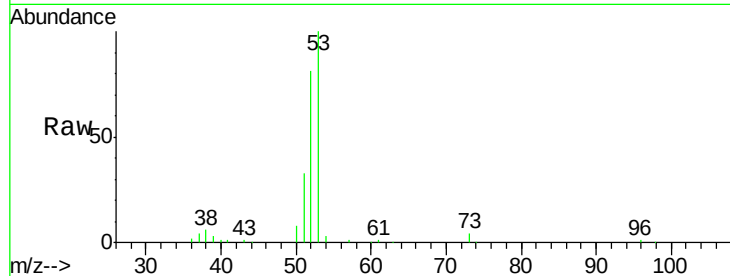
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	199074
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.2	97.8
51	35.9	29.3	43.9

Manual Integrations
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6/19/2020 1:02:10 PM



#16

Acetone

Concen: 260.752 ug/l

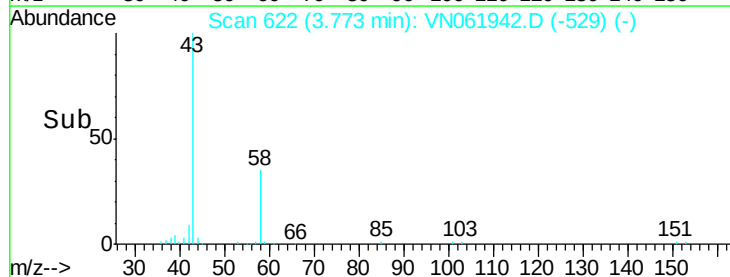
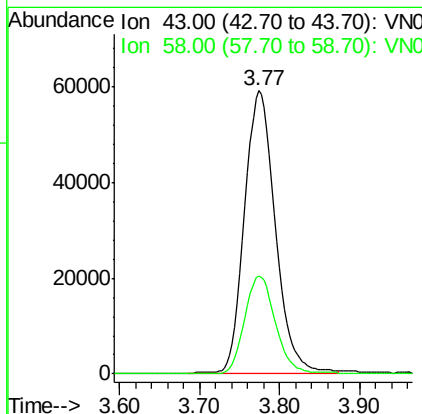
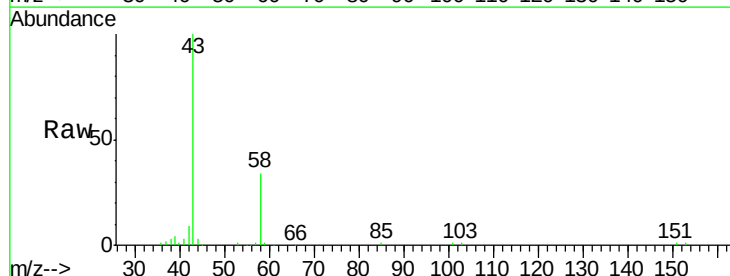
RT: 3.77 min Scan# 622

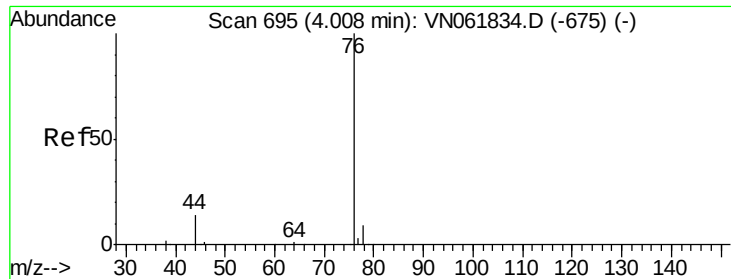
Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Tgt Ion:	43	Resp:	155907
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.8	41.8





#17

Carbon Disulfide

Concen: 50.619 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 227135

Ion Ratio Lower Upper

76 100

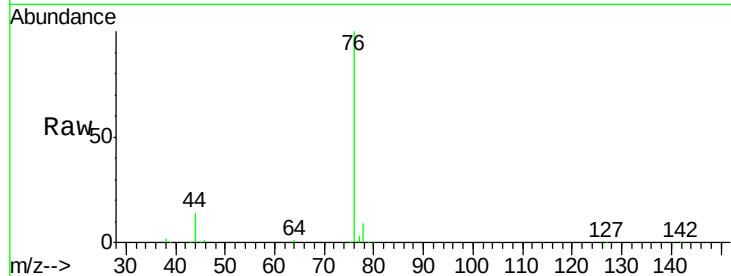
78 9.4 7.3 10.9

Manual Integrations

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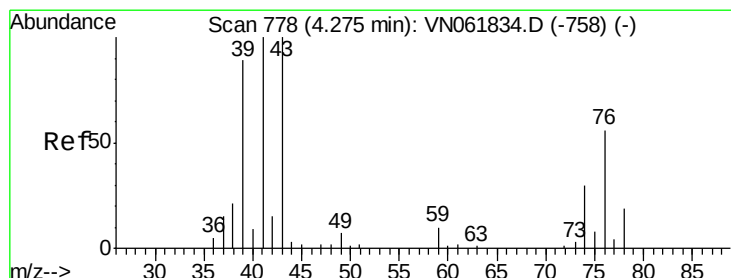
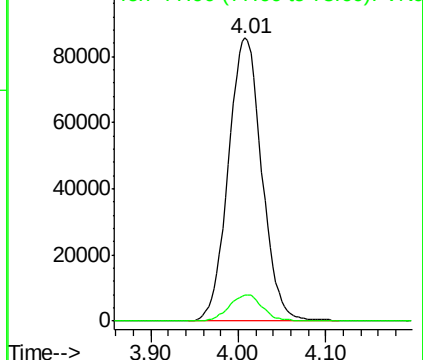
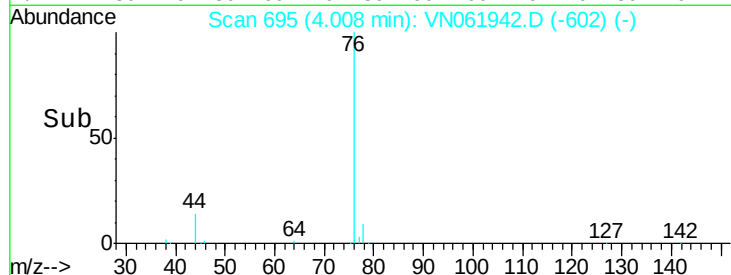
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN061942.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN061942.D (-602) (-)



#18

Methyl Acetate

Concen: 55.424 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061942.D

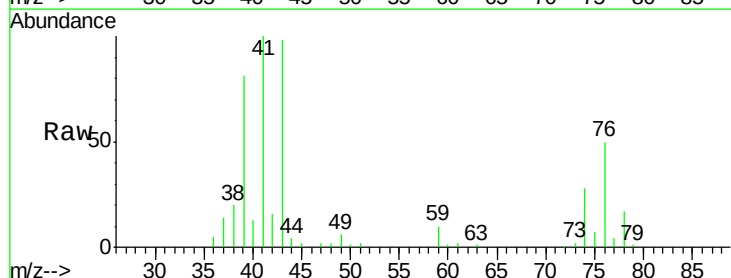
Acq: 19 Jun 2020 9:18

Tgt Ion: 43 Resp: 95408

Ion Ratio Lower Upper

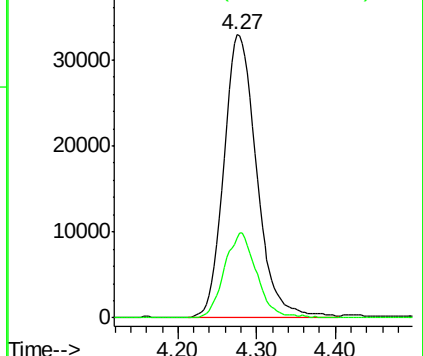
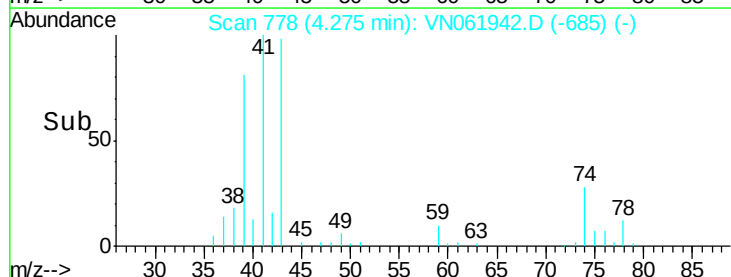
43 100

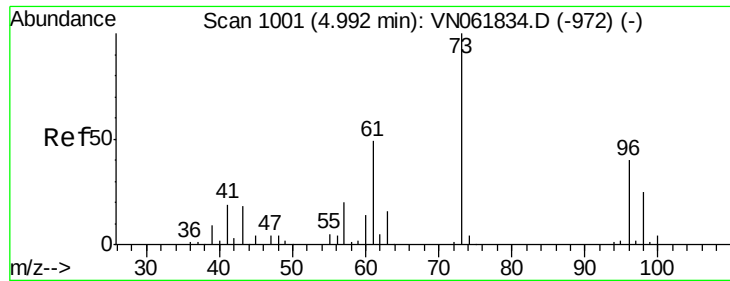
74 29.4 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN061942.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN061942.D (-685) (-)





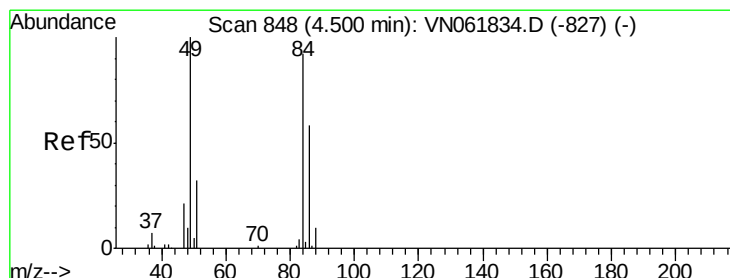
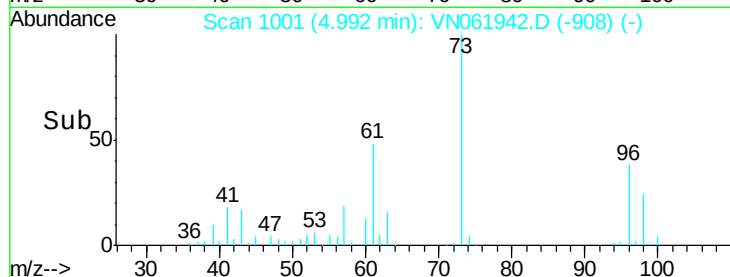
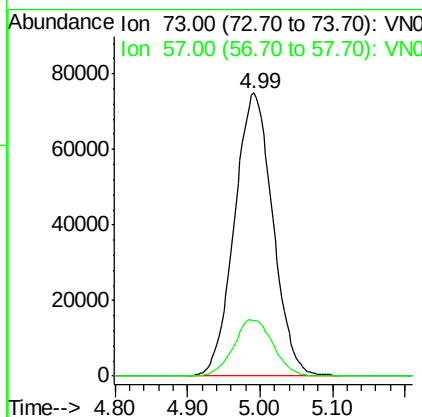
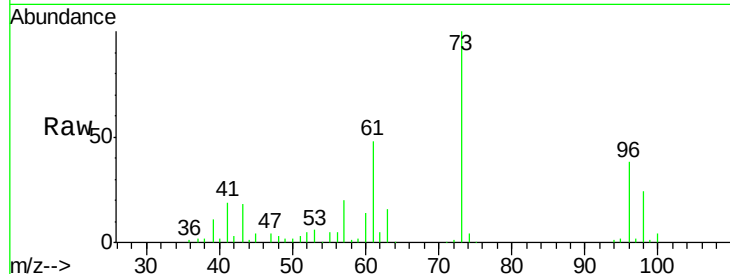
#19
Methyl tert-butyl Ether
Concen: 54.047 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 275965
Ion Ratio Lower Upper
73 100
57 19.7 16.2 24.4

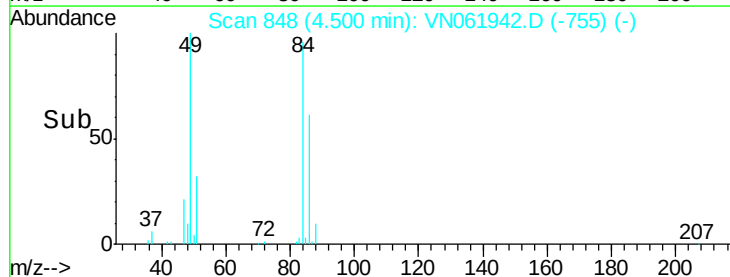
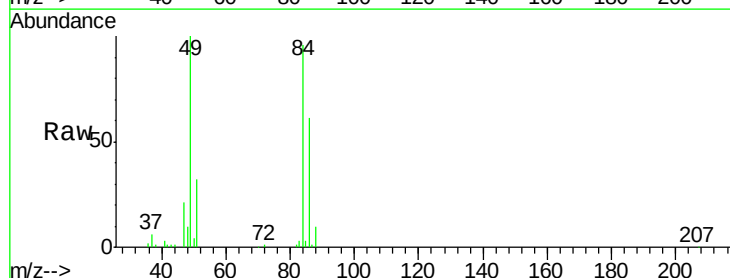
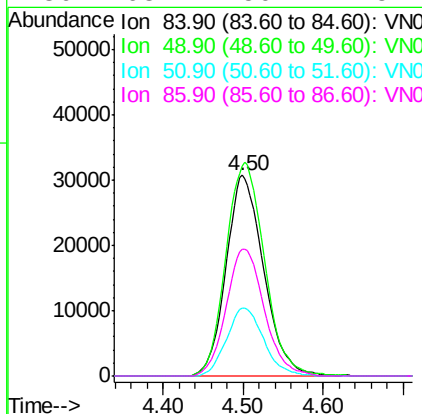
Manual Integrations
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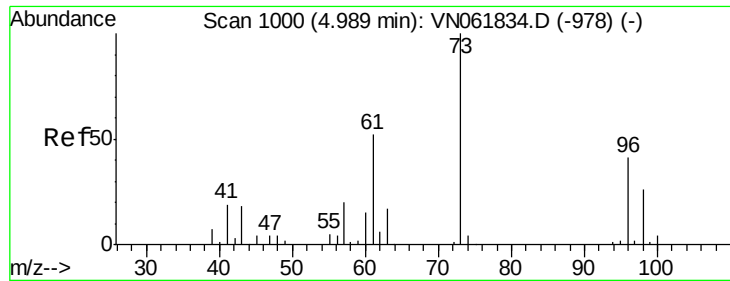
MMDadoda
6/19/2020 1:02:10 PM



#20
Methylene Chloride
Concen: 50.407 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion: 84 Resp: 98192
Ion Ratio Lower Upper
84 100
49 104.3 87.0 130.4
51 33.5 27.8 41.6
86 63.2 50.2 75.2





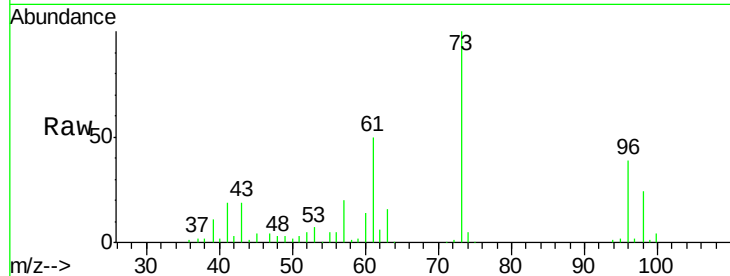
#21
trans-1,2-Dichloroethene
Concen: 52.624 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.7	102.2	153.4
98	62.4	51.2	76.8

Manual Integrations
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6/19/2020 1:02:10 PM

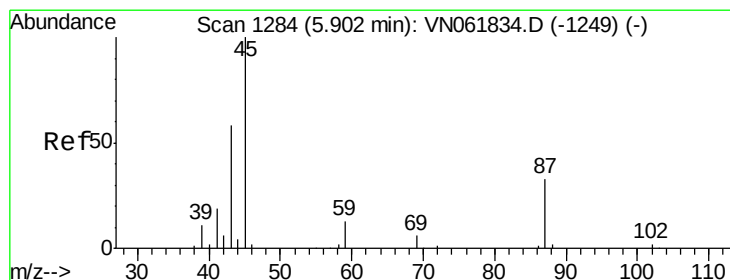
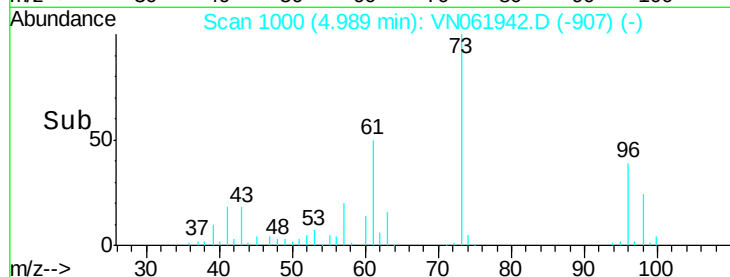
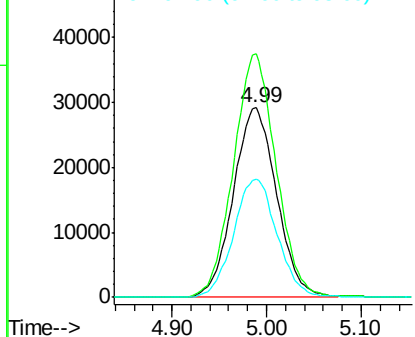


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 53.440 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	49.4	74.2
87	34.8	27.4	41.0
59	12.9	10.6	15.8

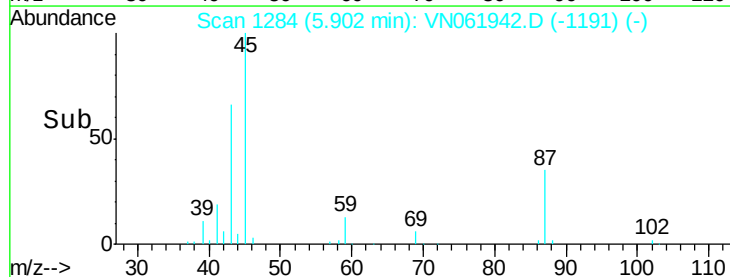
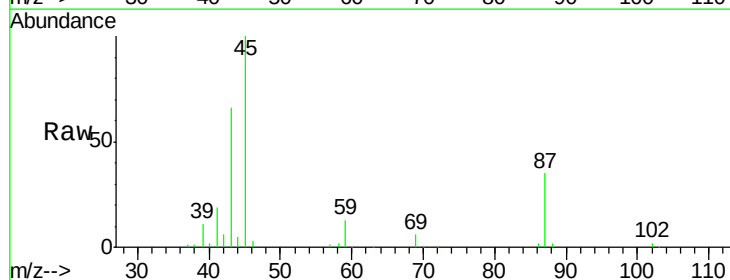
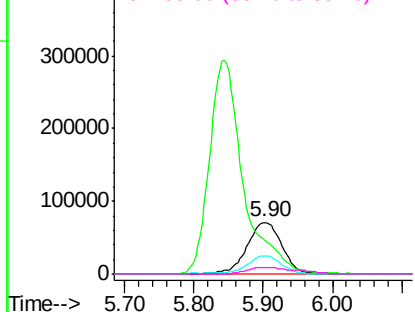
Abundance

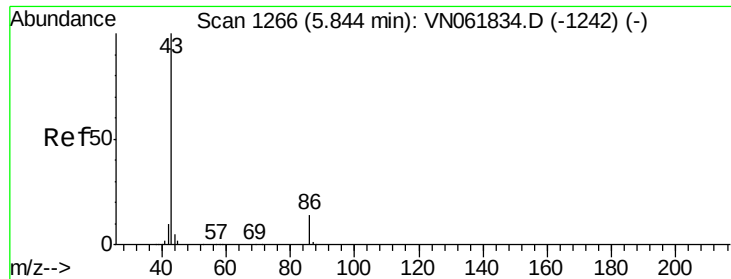
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 272.834 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 998871

Ion Ratio Lower Upper

43 100

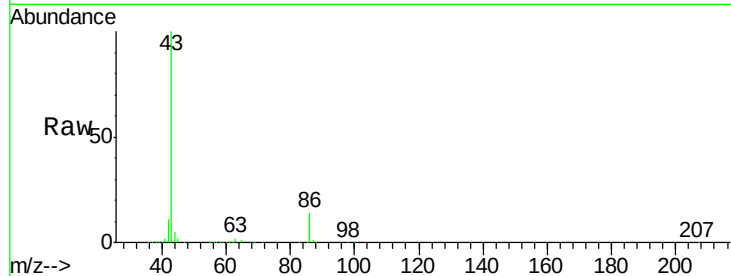
86 13.5 10.9 16.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

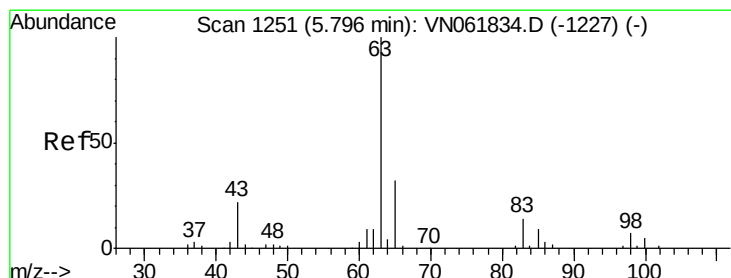
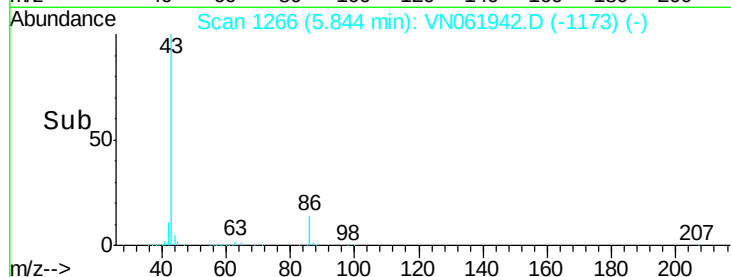
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.097 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

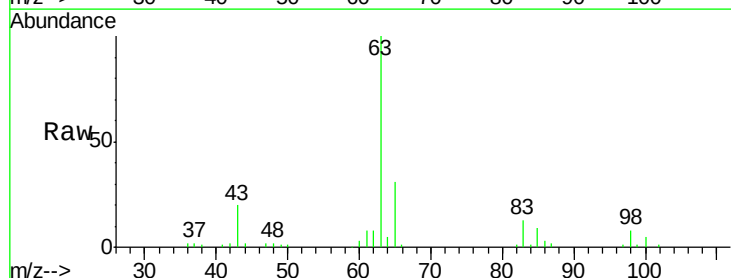
Tgt Ion: 63 Resp: 161795

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 4.8 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

5.80

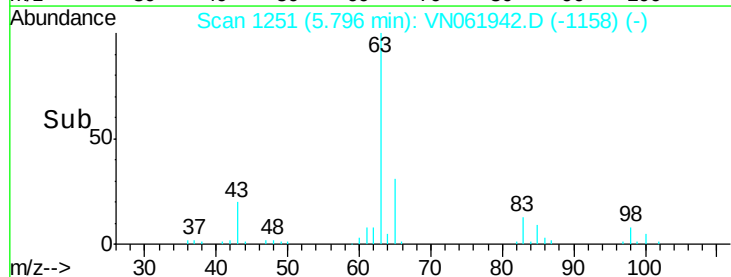
60000

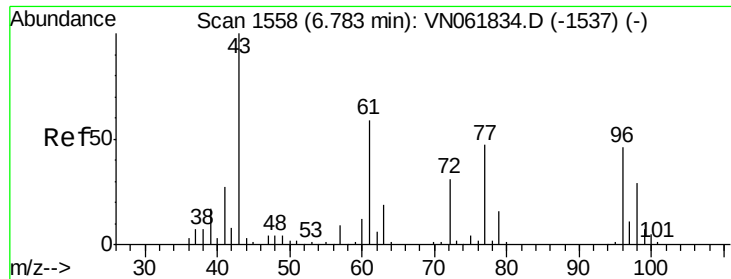
40000

20000

0

Time-->





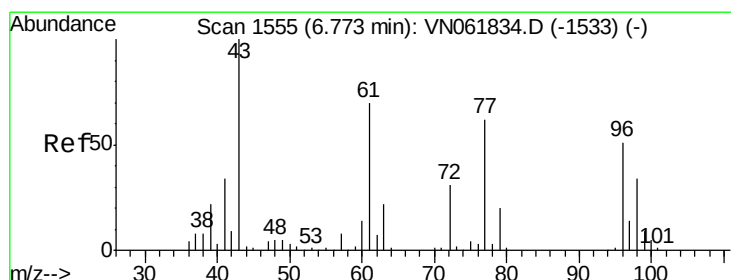
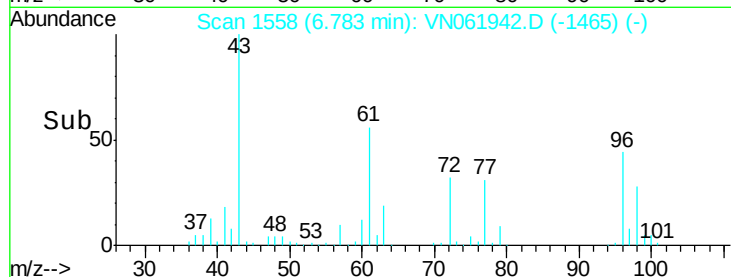
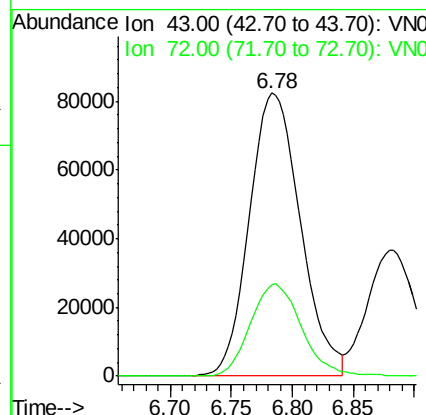
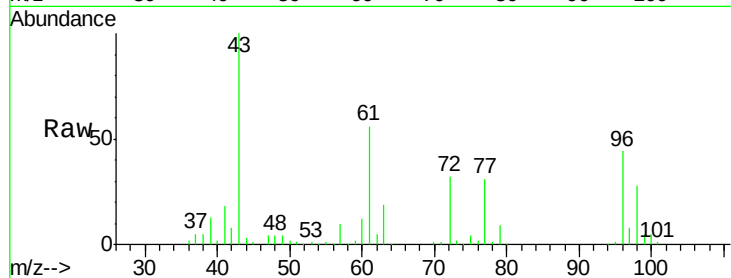
#25
2-Butanone
Concen: 274.672 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 239612
Ion Ratio Lower Upper
43 100
72 32.4 24.6 37.0

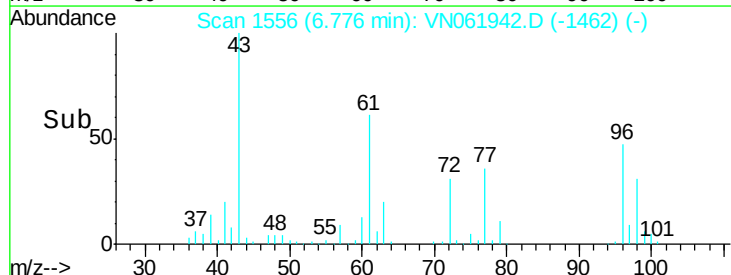
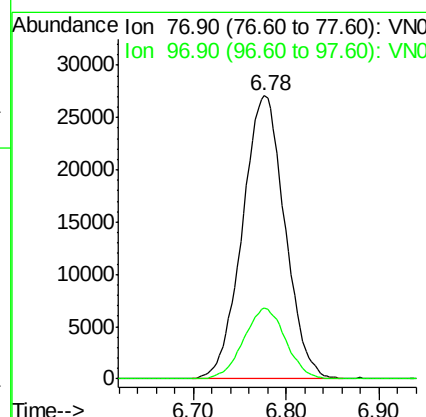
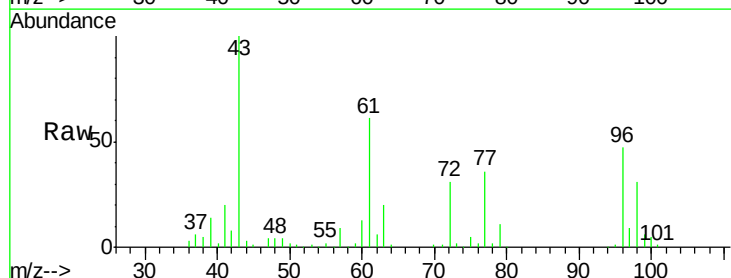
Manual Integrations
APPROVED

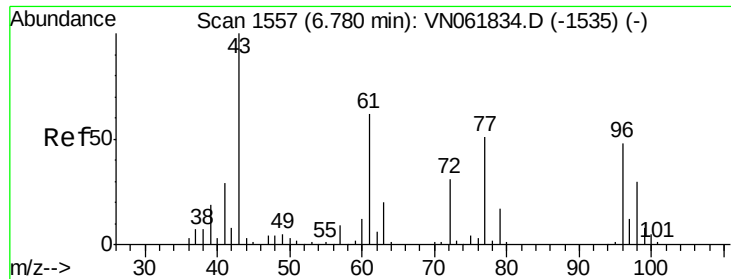
MMDadoda
6/19/2020 1:02:10 PM



#26
2,2-Dichloropropane
Concen: 33.557 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion: 77 Resp: 86028
Ion Ratio Lower Upper
77 100
97 24.6 11.7 35.0





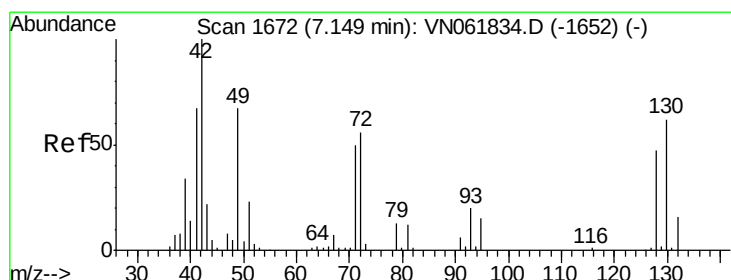
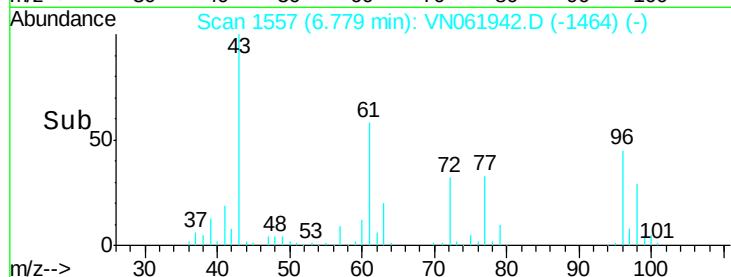
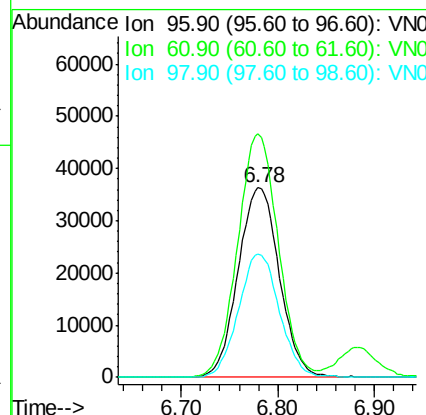
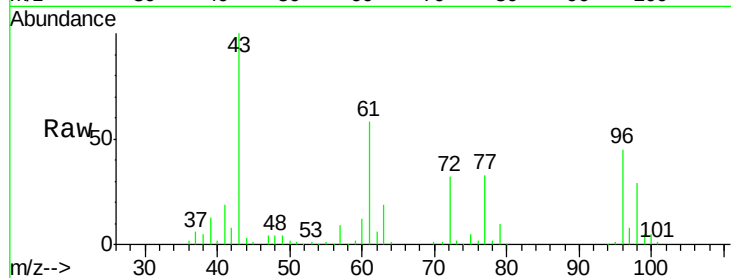
#27
 cis-1,2-Dichloroethene
 Concen: 52.992 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	126.5	0.0	265.6	
98	64.7	0.0	128.2	

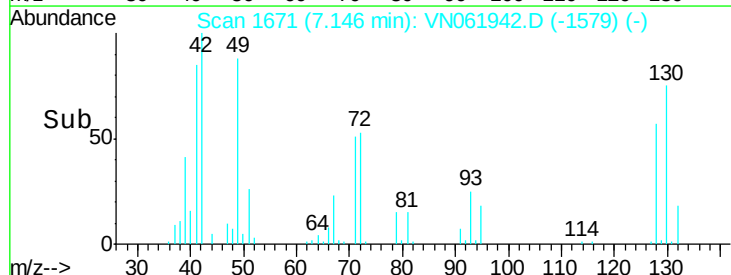
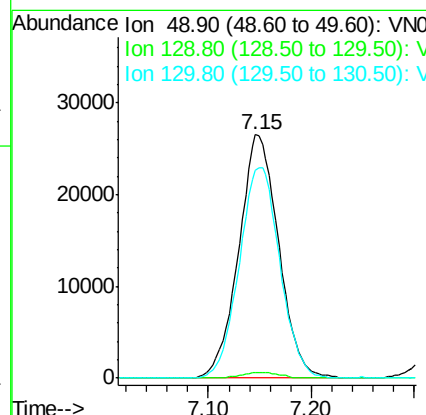
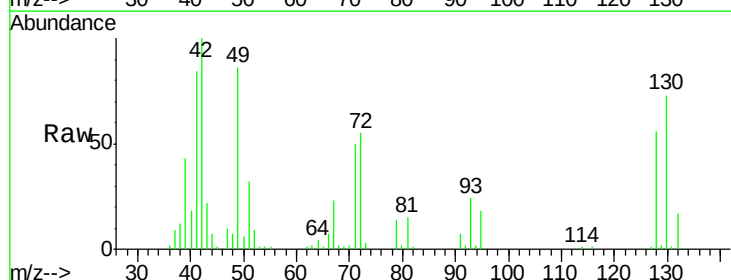
Manual Integrations
 APPROVED

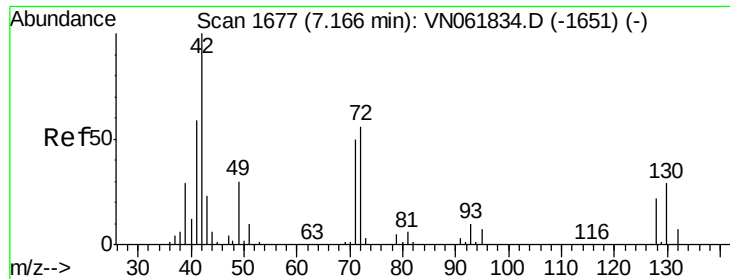
MMDadoda
 6/19/2020 1:02:10 PM



#28
 Bromochloromethane
 Concen: 52.529 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.0	
130	88.3	72.2	108.2	





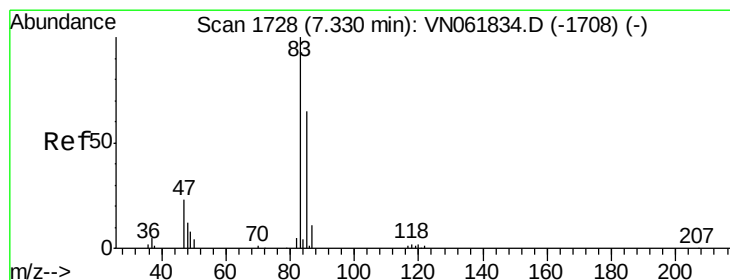
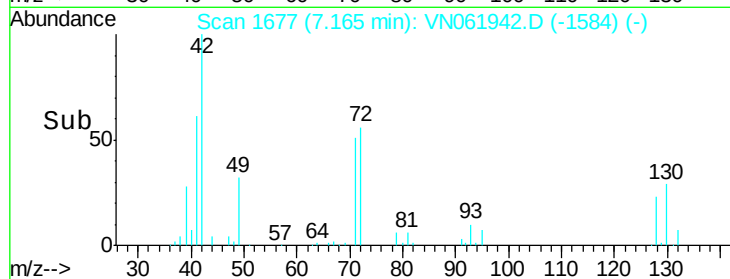
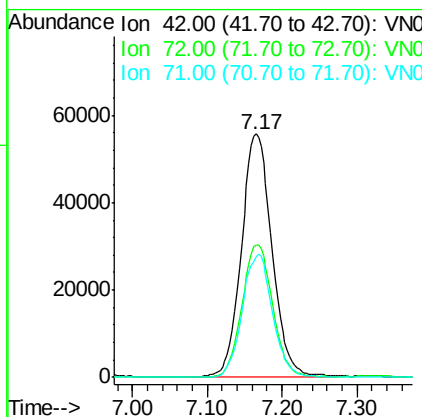
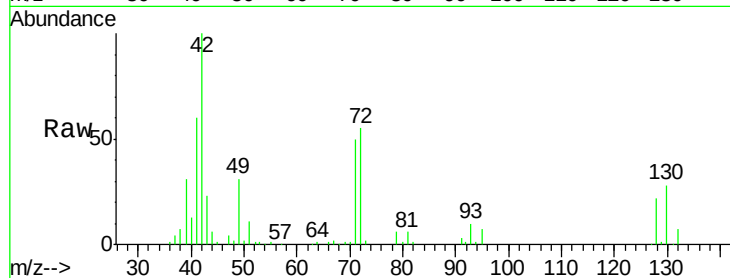
#29
Tetrahydrofuran
Concen: 277.132 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.4	44.0	66.0
71	49.7	40.0	60.0

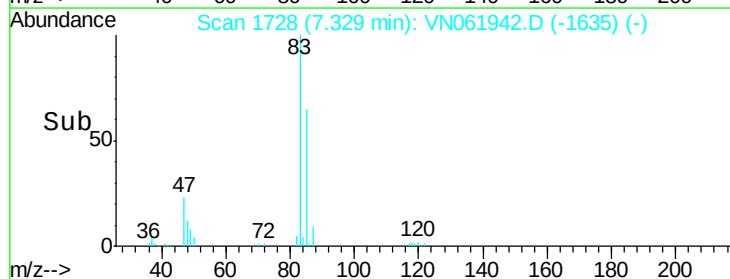
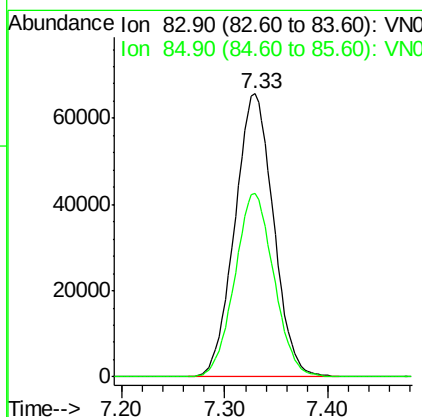
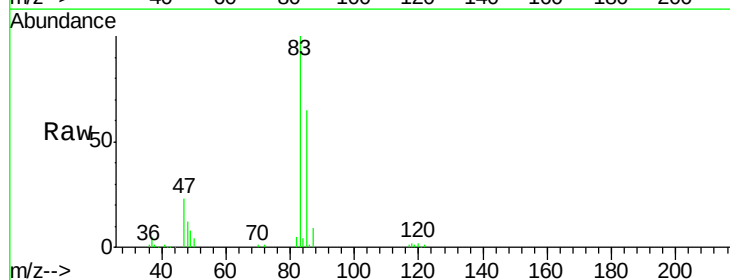
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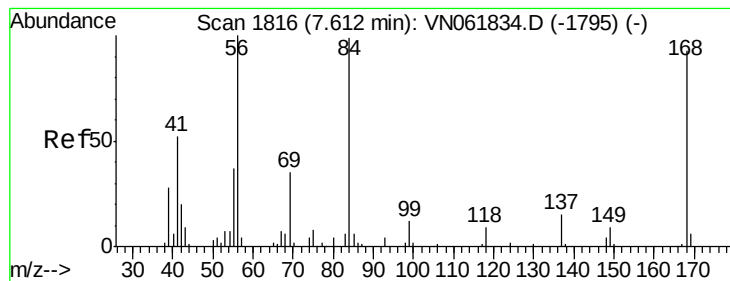
MMDadoda
6/19/2020 1:02:10 PM



#30
Chloroform
Concen: 52.641 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.0	78.0





#31

Cyclohexane

Concen: 48.463 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 129276

Ion Ratio Lower Upper

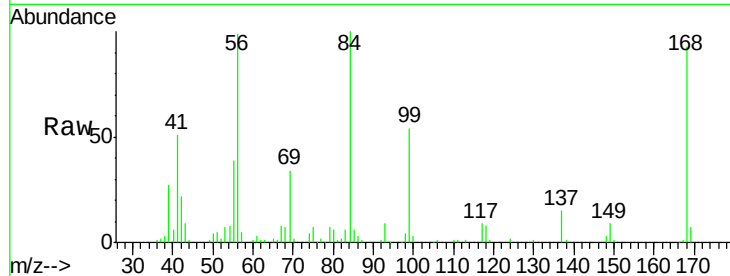
56 100

69 34.6 27.7 41.5

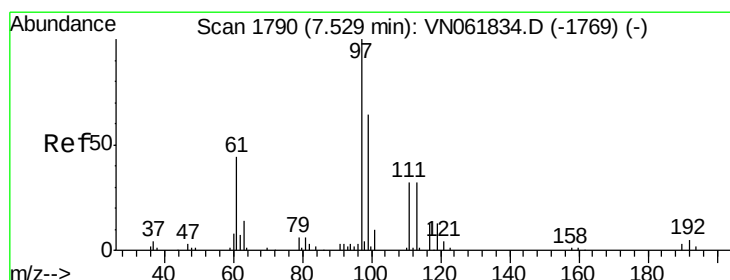
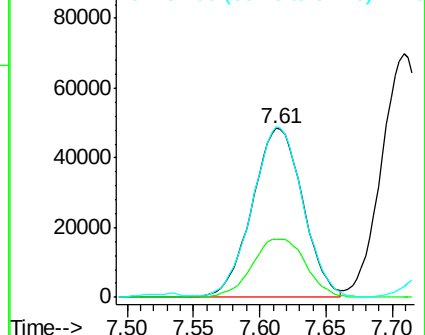
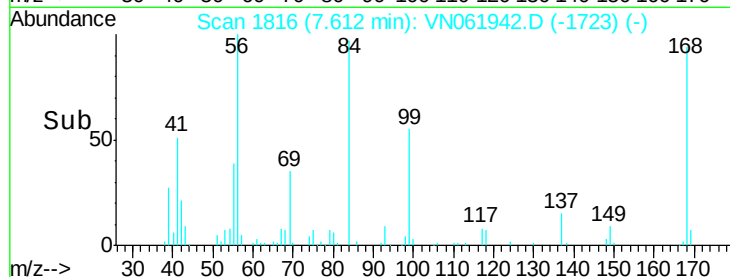
84 99.9 79.1 118.7

Manual Integrations
APPROVED

MMDadoda
6/19/2020 1:02:10 PM



Abundance Ion 56.00 (55.70 to 56.70): VN061942.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 52.695 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

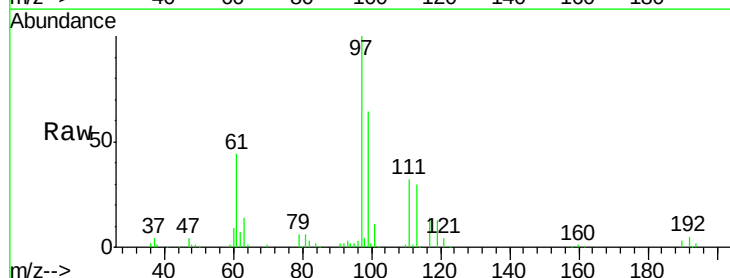
Tgt Ion: 97 Resp: 146148

Ion Ratio Lower Upper

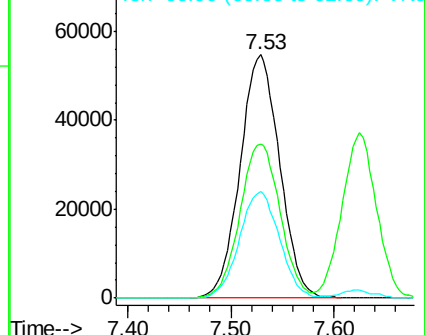
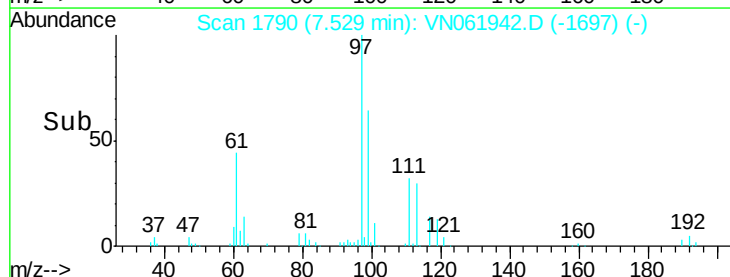
97 100

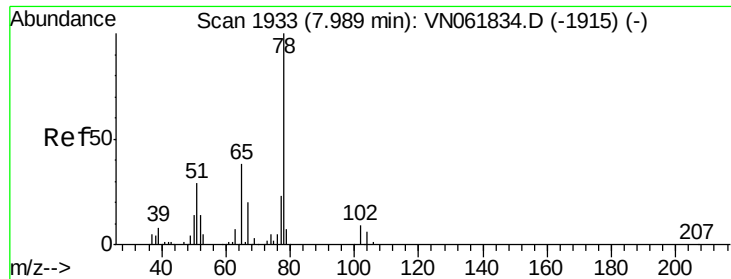
99 64.4 51.5 77.3

61 44.3 35.1 52.7



Abundance Ion 96.90 (96.60 to 97.60): VN061942.D (-1697) (-)





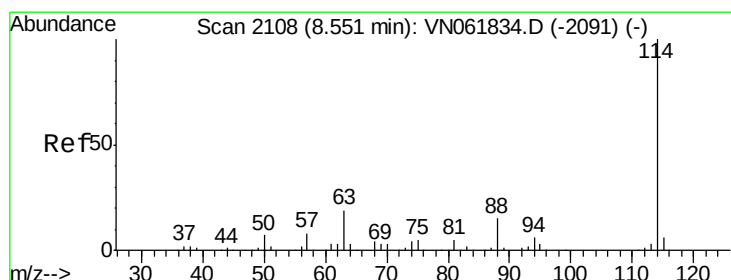
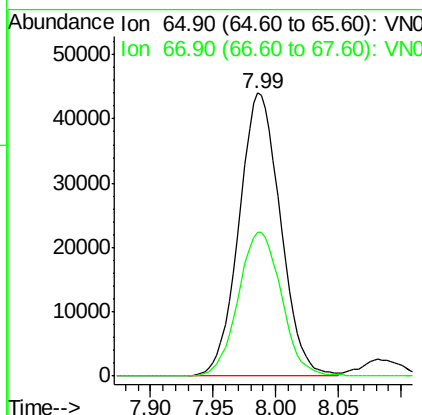
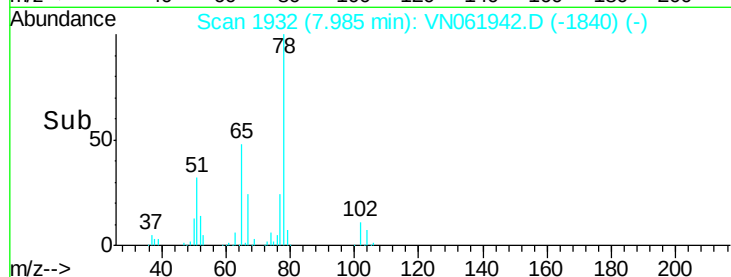
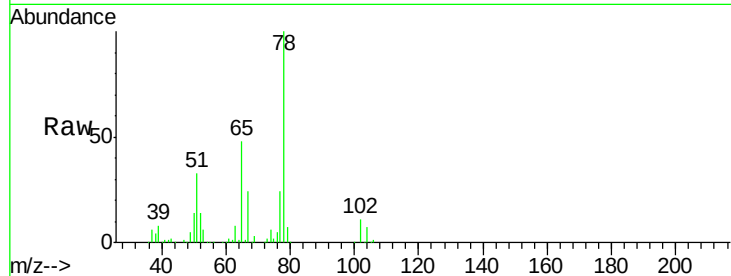
#33
 1,2-Dichloroethane-d4
 Concen: 50.052 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	101316		
67	52.8	0.0	106.2	

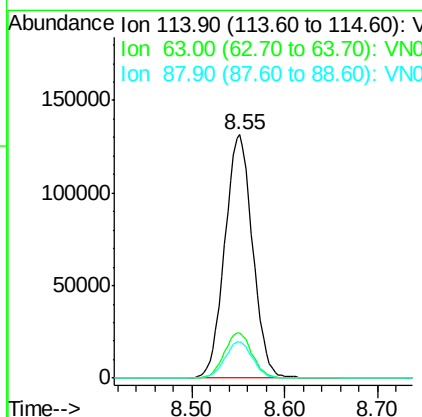
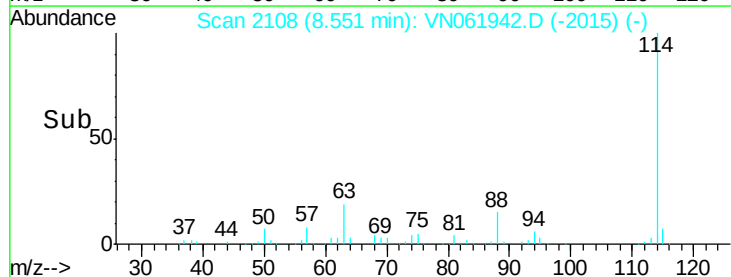
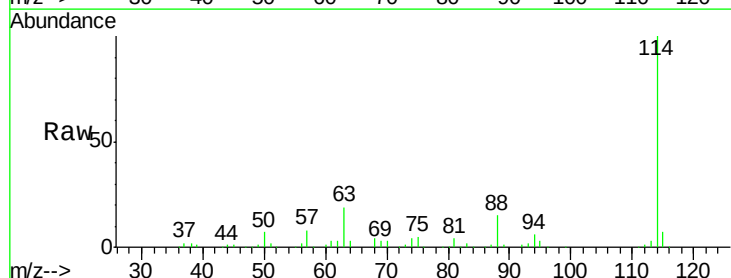
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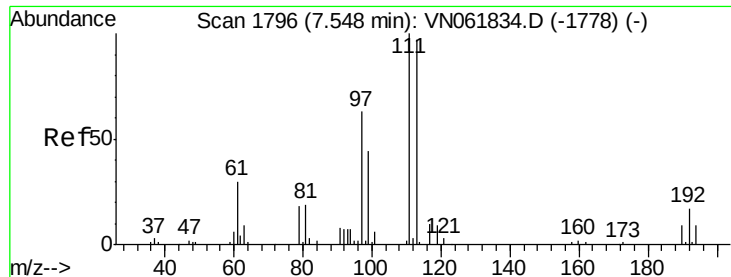
MMDadoda
 6/19/2020 1:02:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	273036		
63	18.7	0.0	37.6	
88	14.9	0.0	31.0	





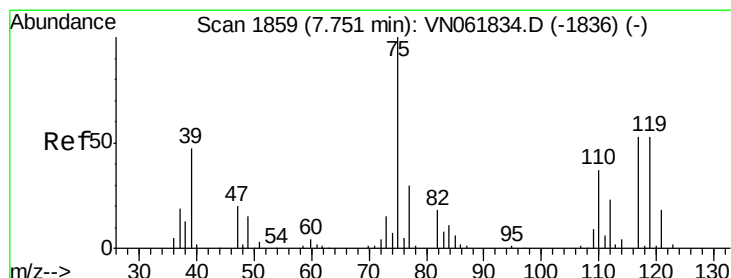
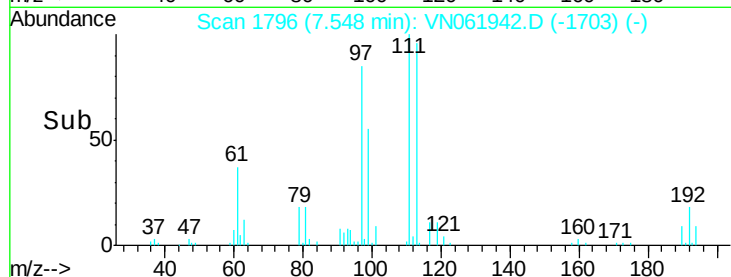
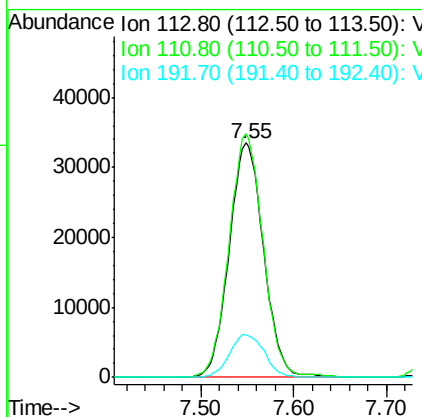
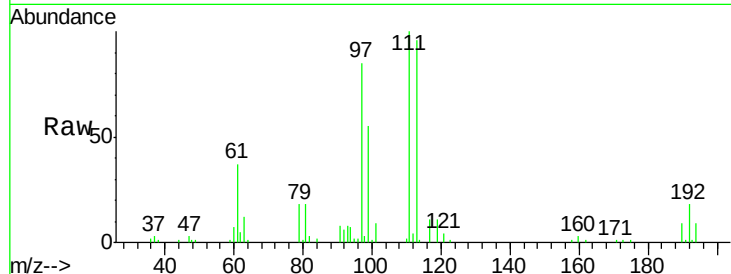
#35
 Dibromofluoromethane
 Concen: 49.264 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	86051		
111	102.2	83.7	125.5	
192	18.3	13.9	20.9	

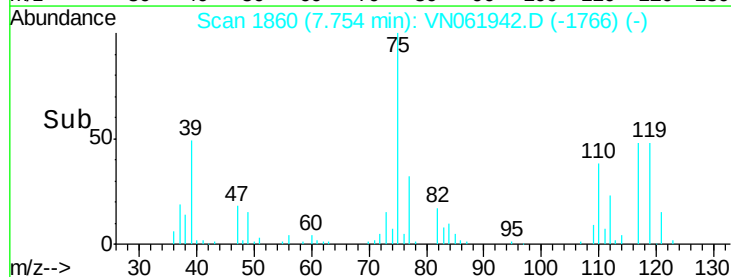
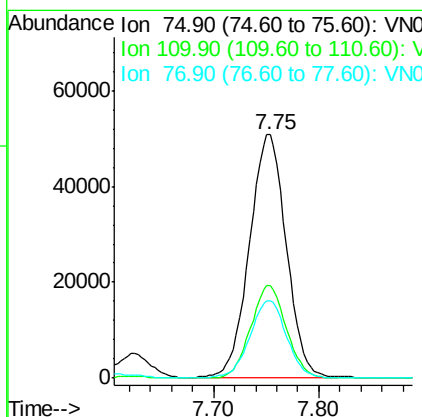
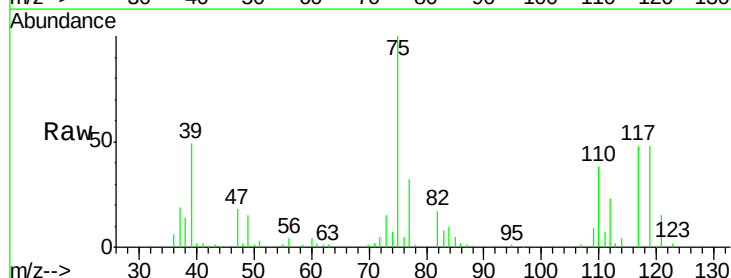
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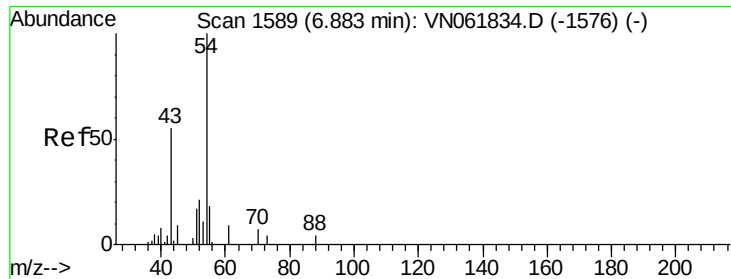
MMDadoda
 6/19/2020 1:02:10 PM



#36
 1,1-Dichloropropene
 Concen: 49.760 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123923		
110	36.6	18.2	54.6	
77	31.8	24.2	36.4	





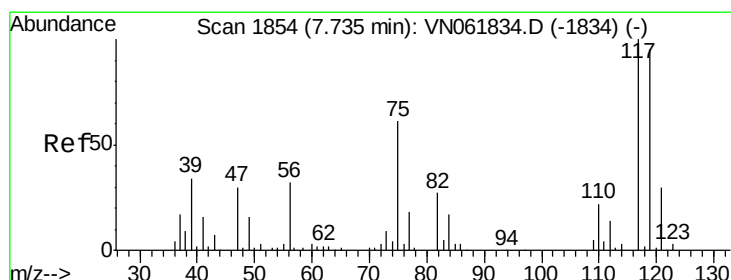
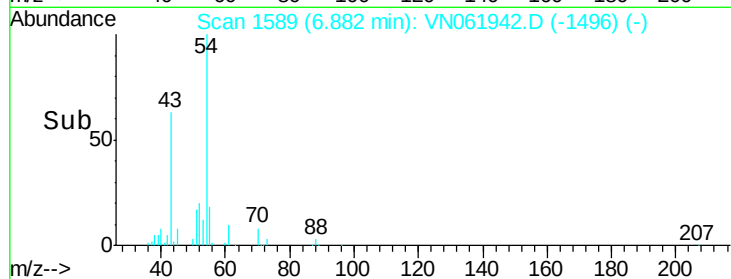
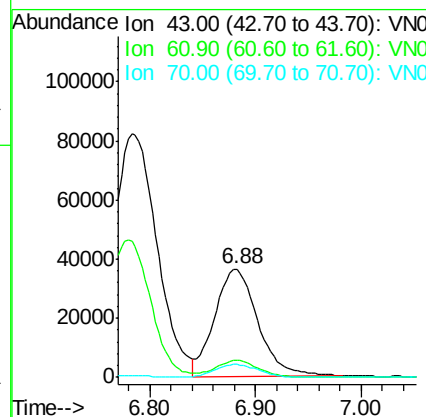
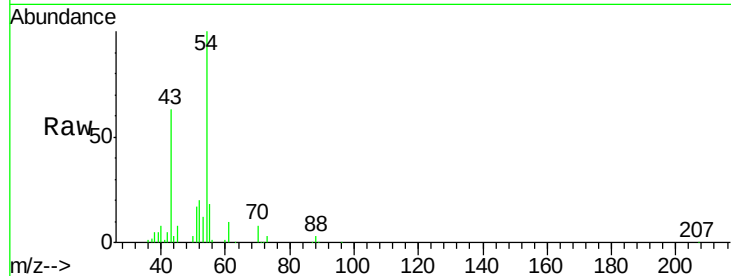
#37
Ethyl Acetate
Concen: 53.124 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.0	19.4
70	12.3	9.4	14.2

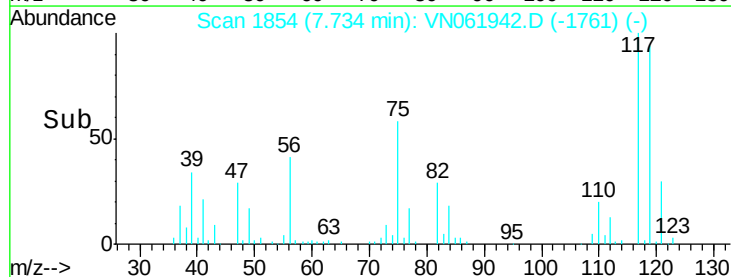
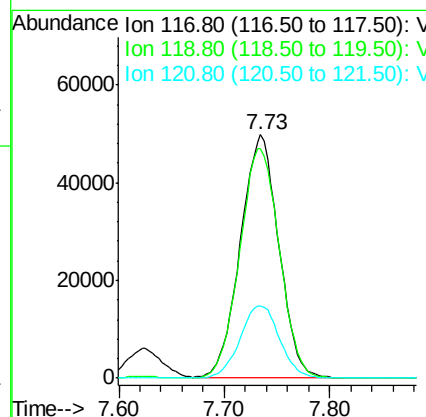
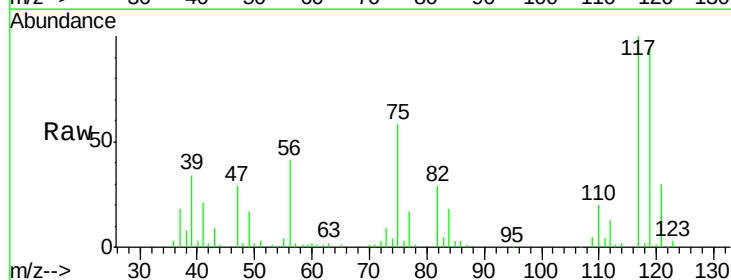
Manual Integrations
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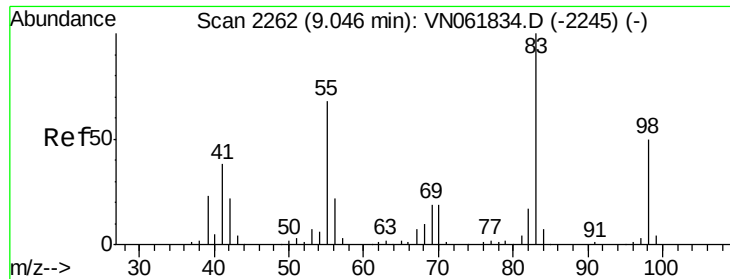
MMDadoda
6/19/2020 1:02:10 PM



#38
Carbon Tetrachloride
Concen: 51.197 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.6
121	29.6	23.8	35.6





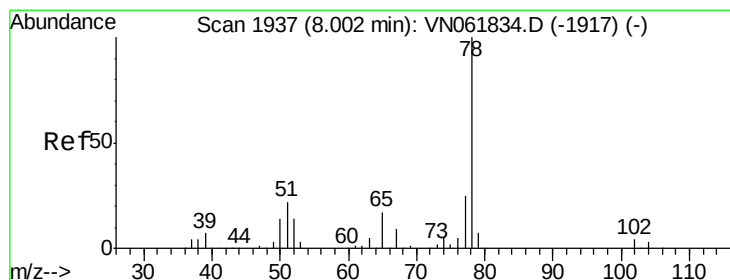
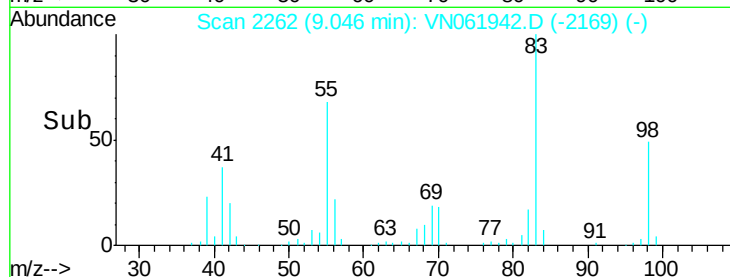
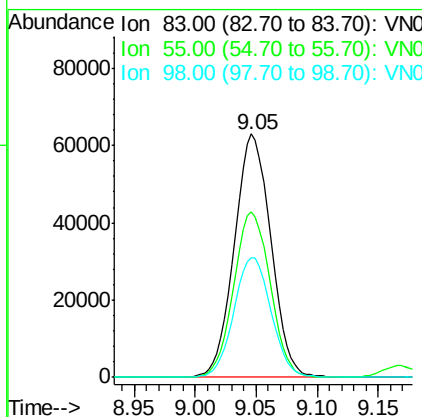
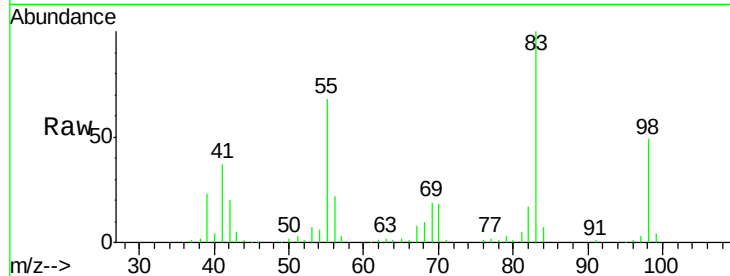
#39
Methylvlcyclohexane
Concen: 48.782 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	54.2	81.4
98	49.2	39.8	59.6

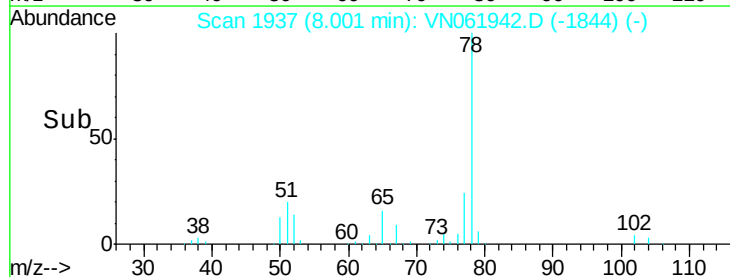
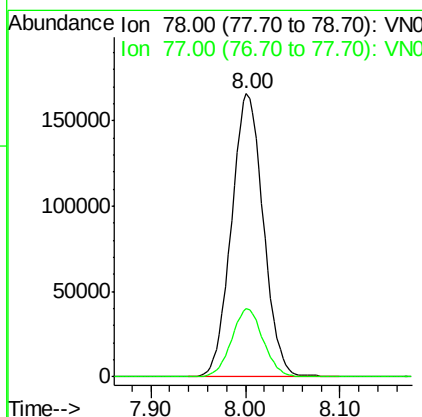
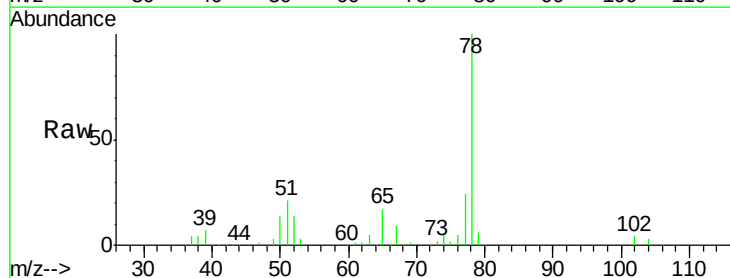
Manual Integrations
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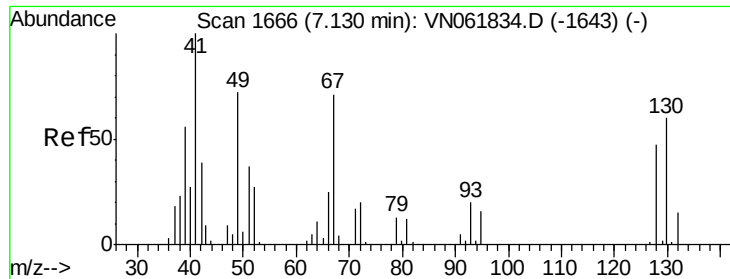
MMDadoda
6/19/2020 1:02:10 PM



#40
Benzene
Concen: 51.488 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.7	29.5





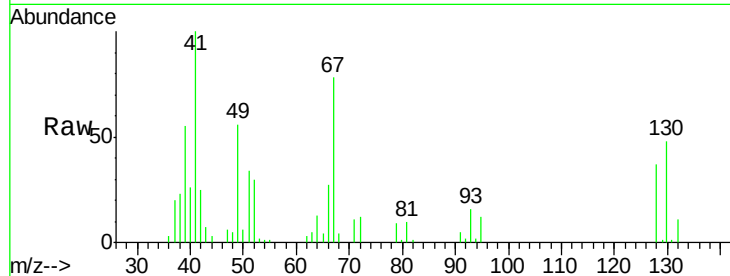
#41
Methacrylonitrile
Concen: 53.321 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	44342
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
APPROVED

MMDadoda
6/19/2020 1:02:10 PM

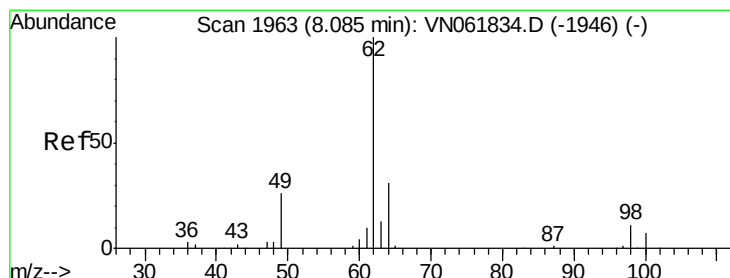
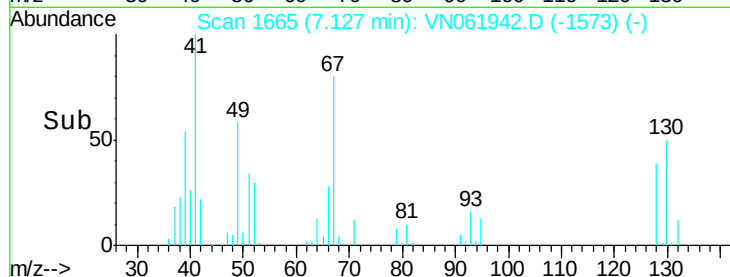
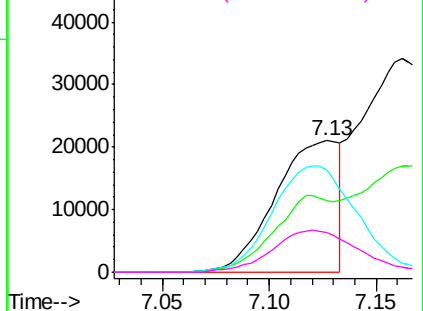


Abundance Ion 41.00 (40.70 to 41.70): VN061834.D (-1643) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-1643) (-)

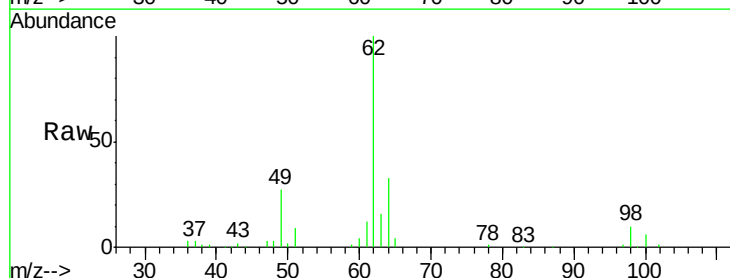
Ion 67.00 (66.70 to 67.70): VN061834.D (-1643) (-)

Ion 52.00 (51.70 to 52.70): VN061834.D (-1643) (-)



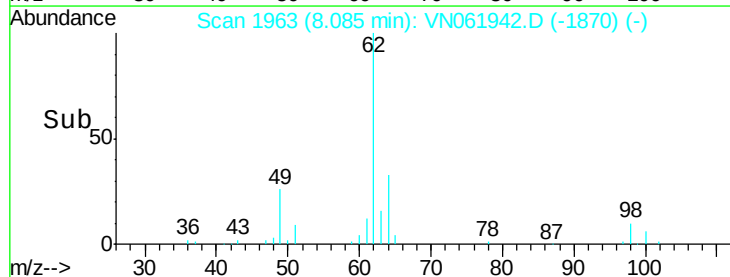
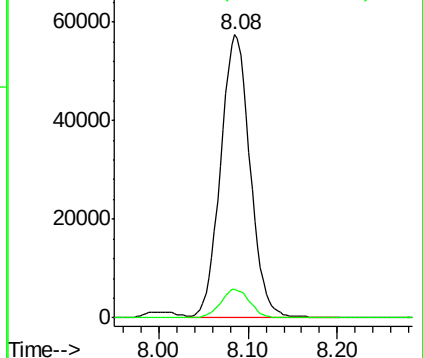
#42
1,2-Dichloroethane
Concen: 51.152 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

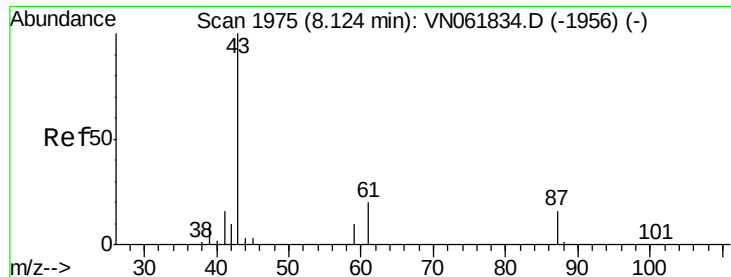
Tgt Ion	62	Resp	131577
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VN061834.D (-1946) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-1946) (-)





#43

Isopropyl Acetate

Concen: 52.484 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

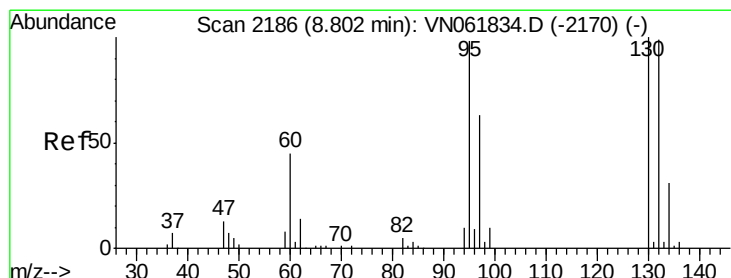
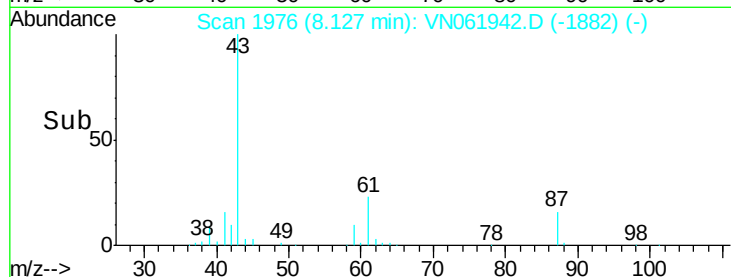
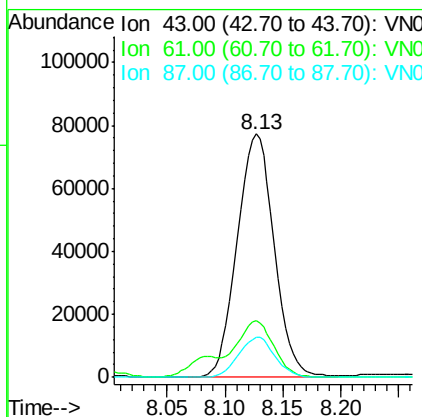
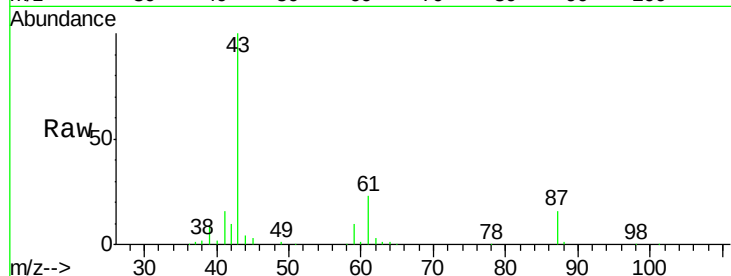
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	172010
Ion	Ratio	Lower	Upper
43	100		
61	22.7	24.0	36.0#
87	16.0	12.5	18.7

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#44

Trichloroethene

Concen: 50.832 ug/l

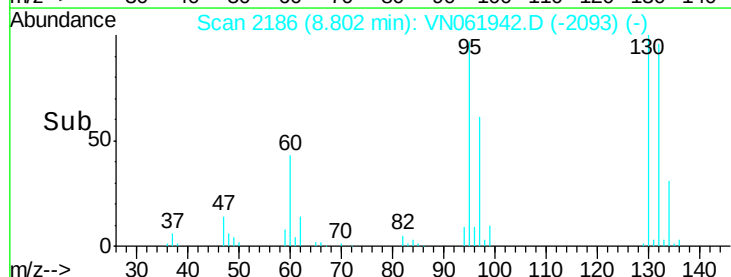
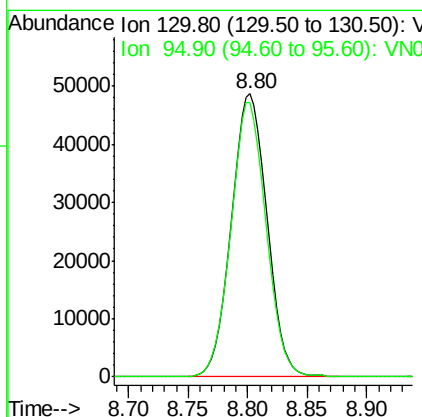
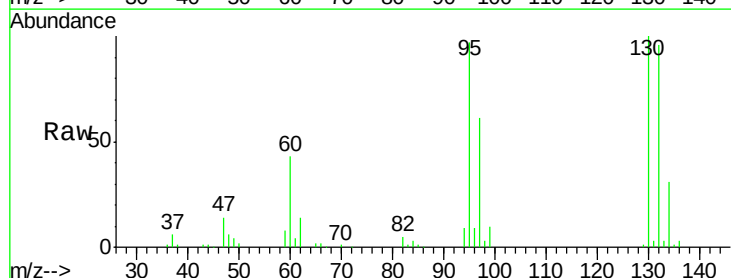
RT: 8.80 min Scan# 2186

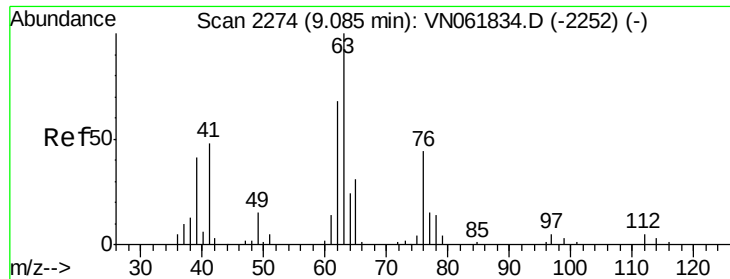
Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Tgt Ion:	130	Resp:	100921
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	195.6





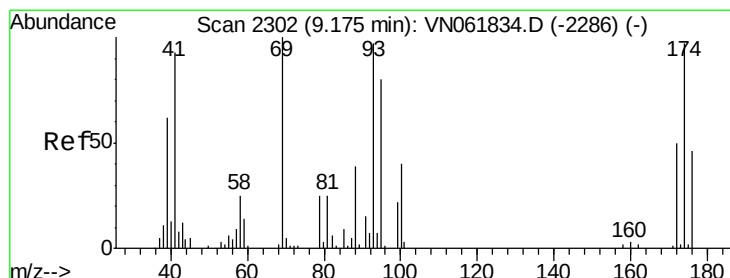
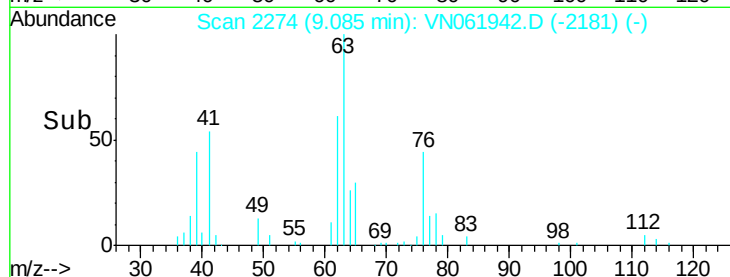
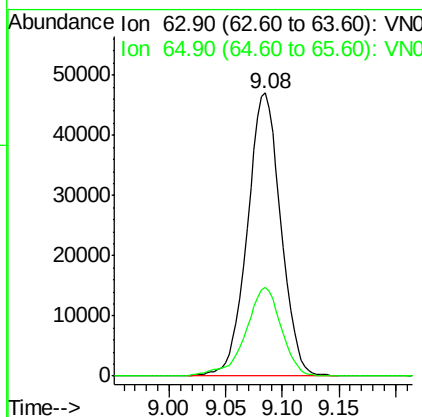
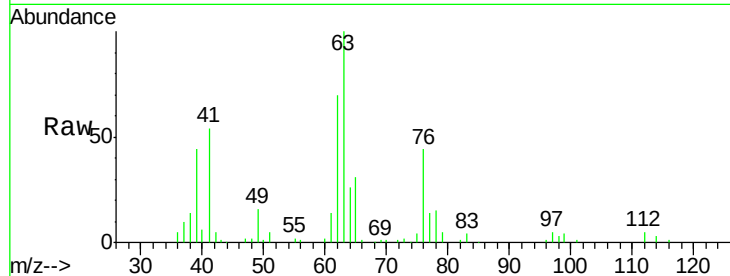
#45
 1,2-Dichloropropane
 Concen: 52.171 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 96722
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.1 37.7

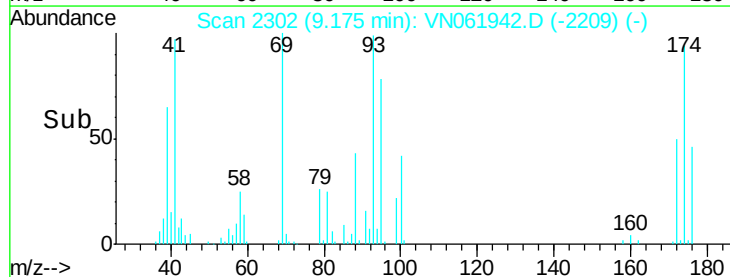
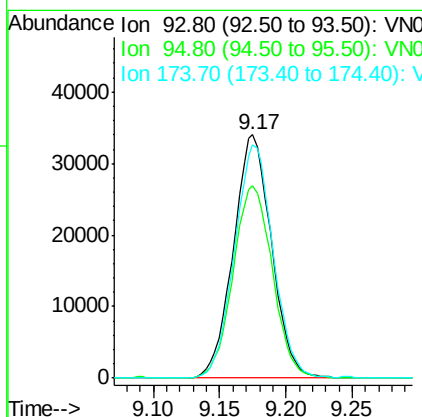
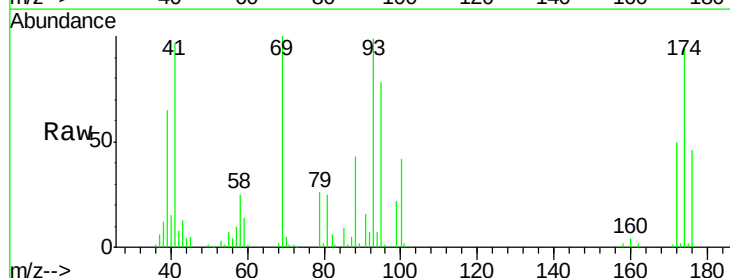
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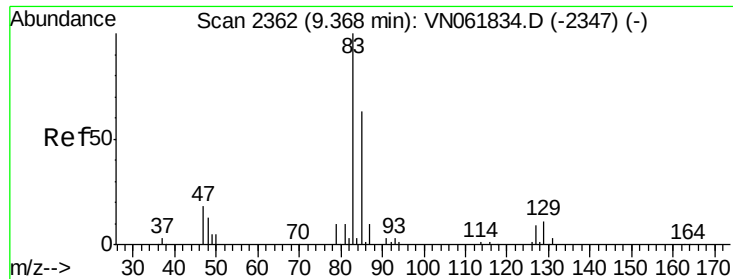
MMDadoda
 6/19/2020 1:02:10 PM



#46
 Dibromomethane
 Concen: 52.002 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion: 93 Resp: 67890
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.8 98.6
 174 97.1 78.5 117.7





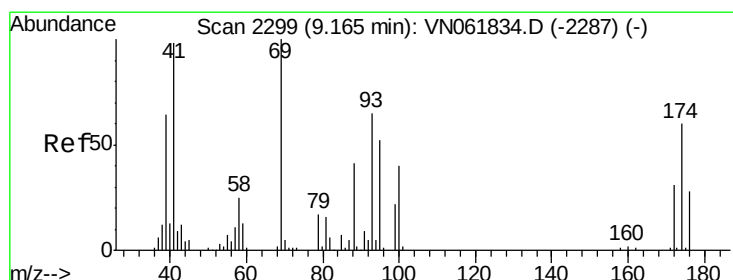
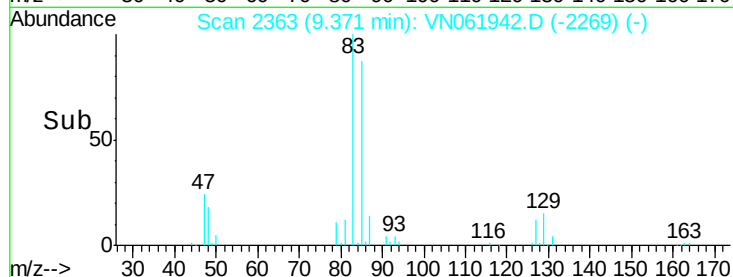
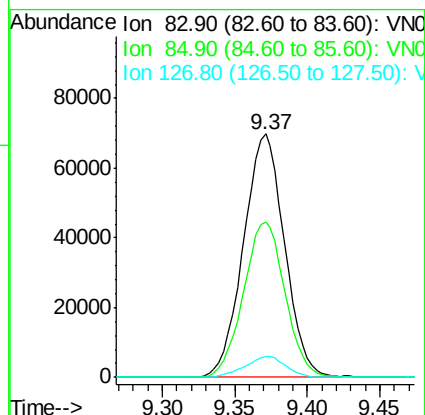
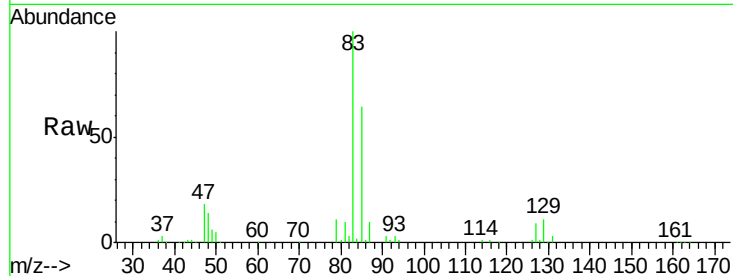
#47
Bromodichloromethane
Concen: 51.396 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	137396
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	50.8	76.2
127	8.5	7.0	10.4

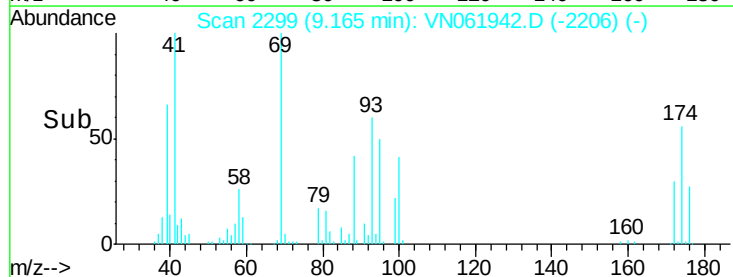
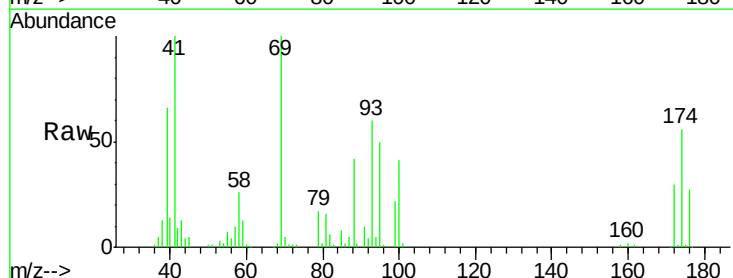
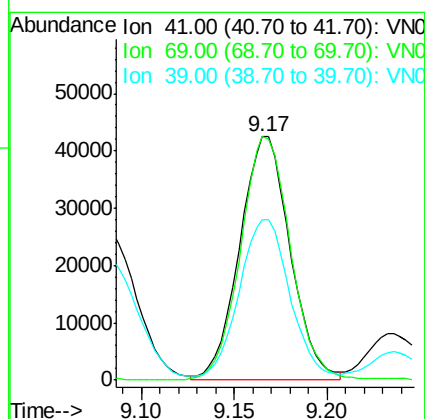
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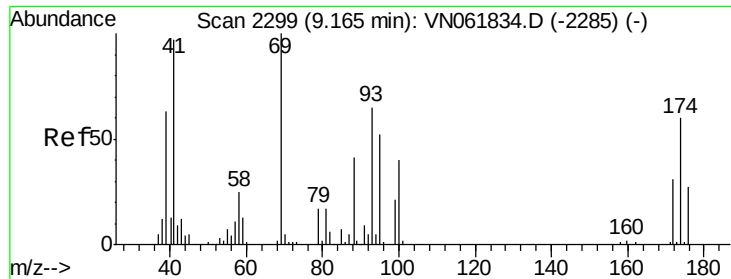
MMDadoda
6/19/2020 1:02:10 PM



#48
Methyl methacrylate
Concen: 53.712 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	41	Resp	80054
Ion Ratio	100	Lower	Upper
41	100		
69	100.2	83.0	124.4
39	66.6	55.1	82.7





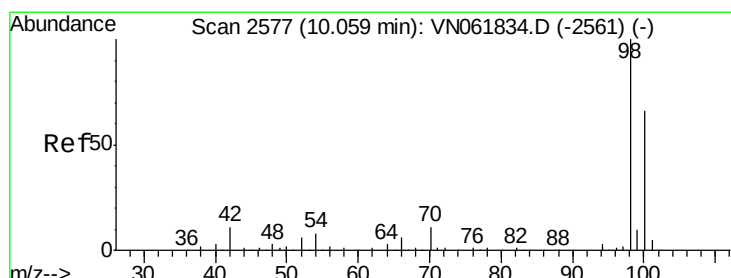
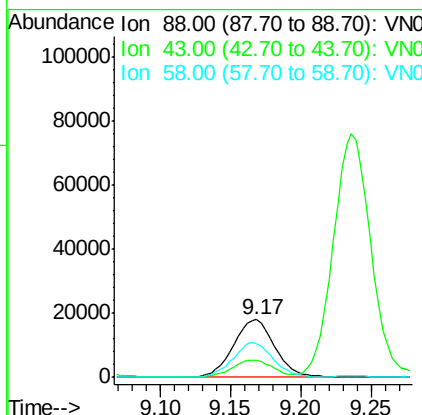
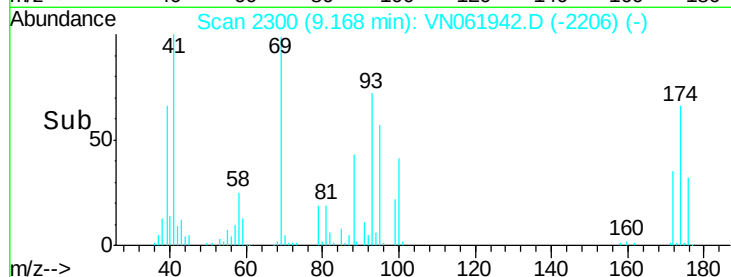
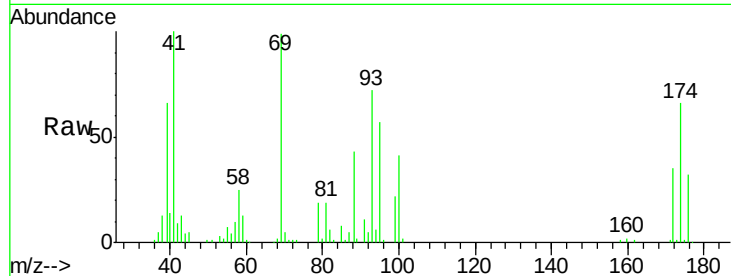
#49
1,4-Dioxane
Concen: 1084.590 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	23.4	35.2
58	58.6	49.8	74.6

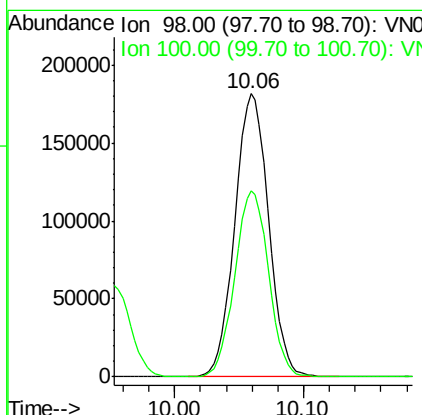
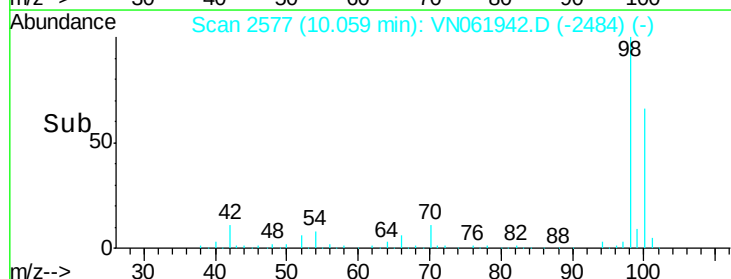
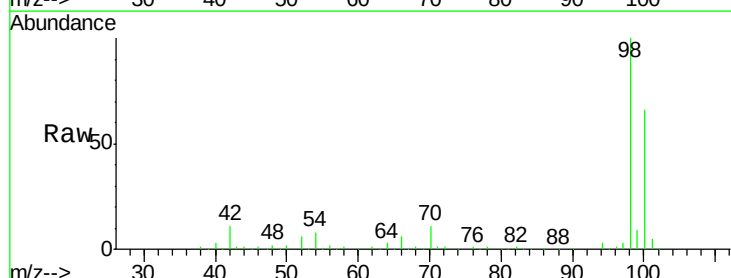
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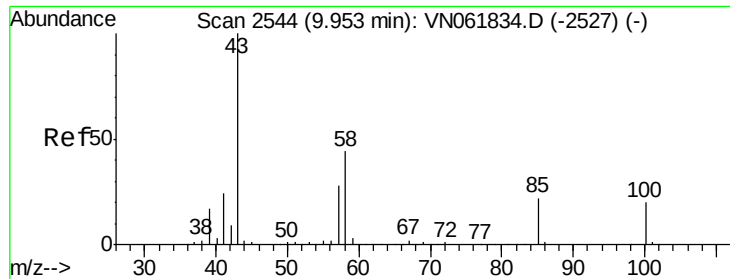
MMDadoda
6/19/2020 1:02:10 PM



#50
Toluene-d8
Concen: 48.115 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 267.976 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 518992

Ion Ratio Lower Upper

43 100

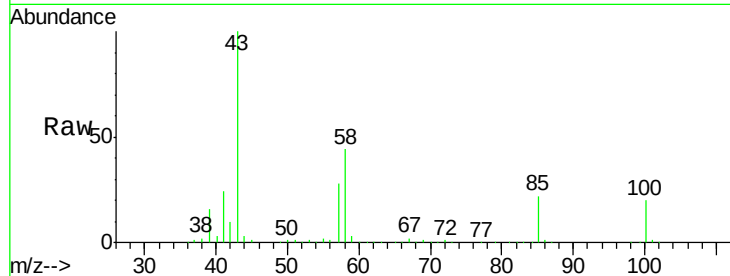
58 43.8 34.6 52.0

Manual Integrations

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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) (-)

9.95

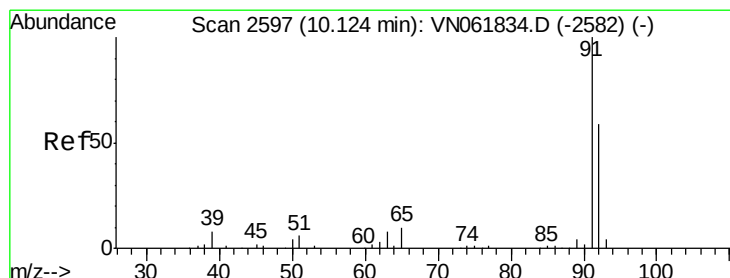
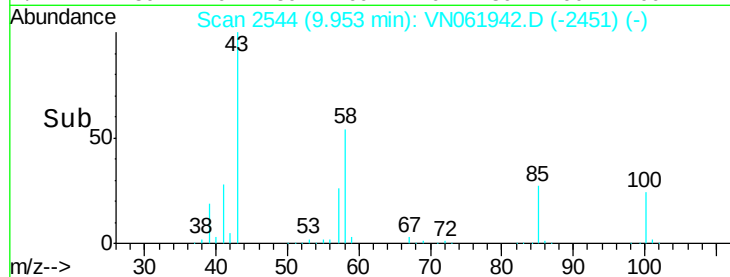
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.903 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061942.D

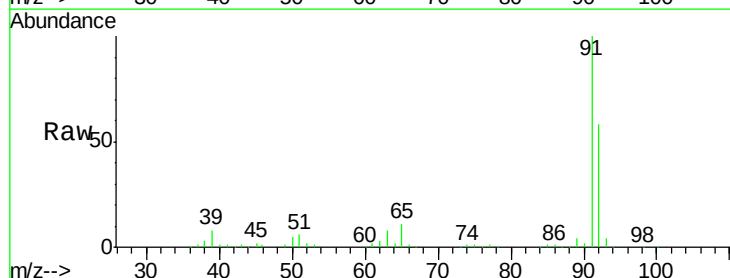
Acq: 19 Jun 2020 9:18

Tgt Ion: 92 Resp: 250644

Ion Ratio Lower Upper

92 100

91 171.5 137.1 205.7



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

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

10.12

250000

200000

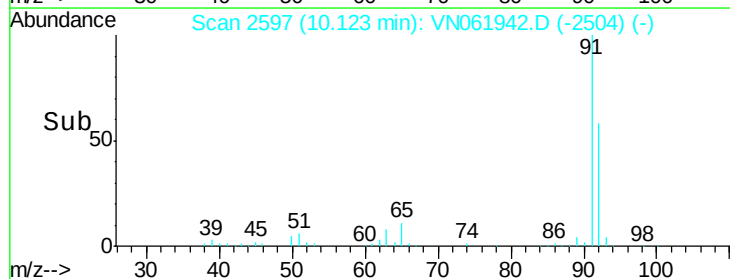
150000

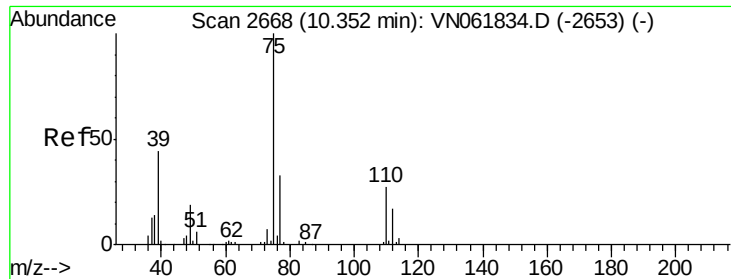
100000

50000

0

Time-->





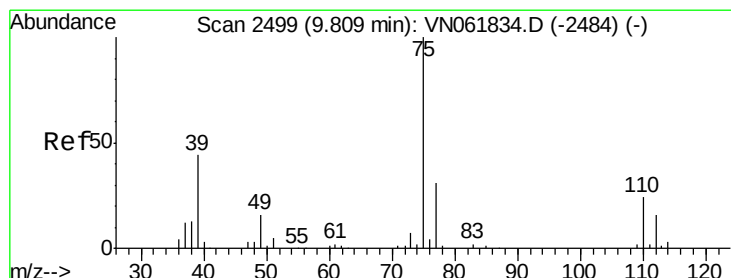
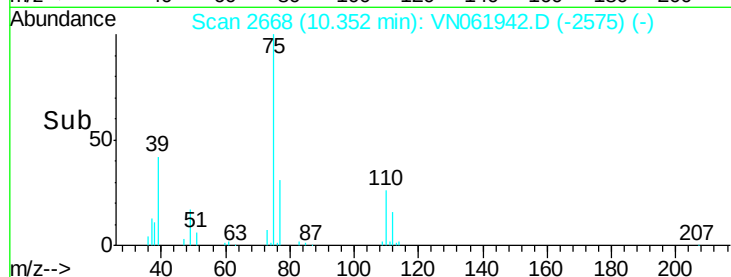
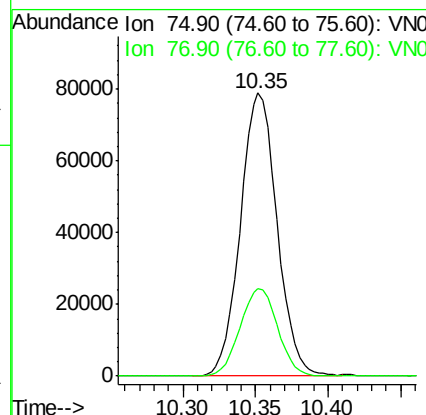
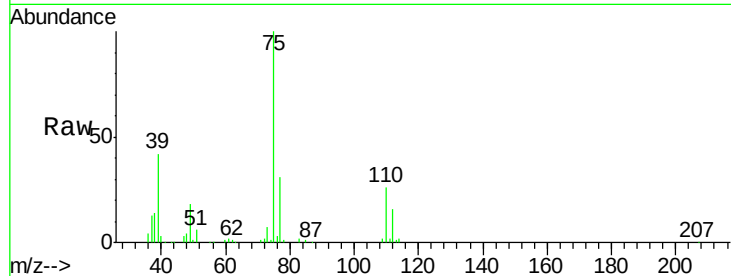
#53
t-1,3-Dichloropropene
Concen: 48.865 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 138672
Ion Ratio Lower Upper
75 100
77 31.1 26.3 39.5

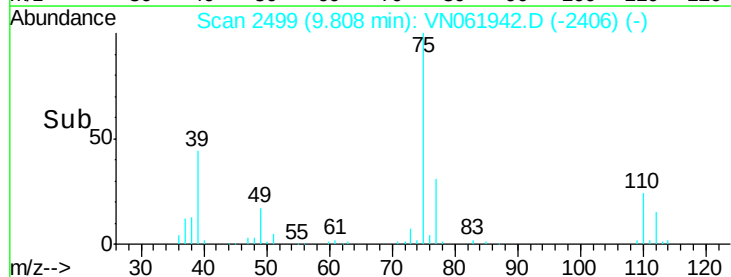
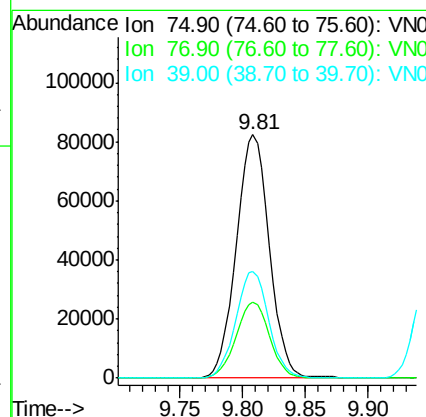
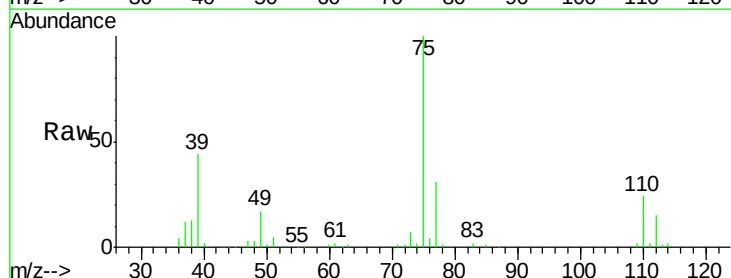
Manual Integrations
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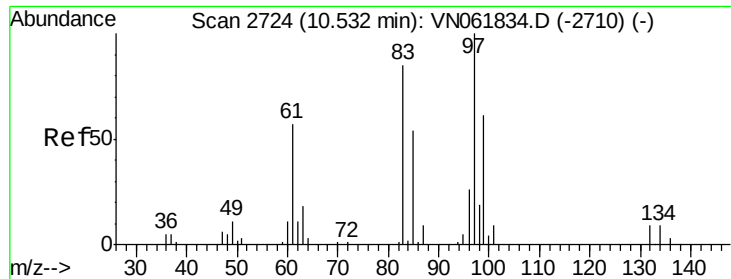
MMDadoda
6/19/2020 1:02:10 PM



#54
cis-1,3-Dichloropropene
Concen: 49.047 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion: 75 Resp: 151181
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 43.9 35.4 53.0





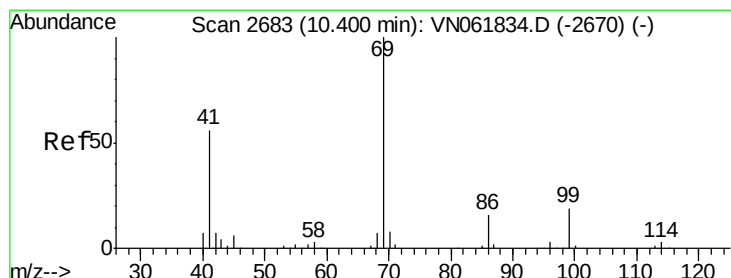
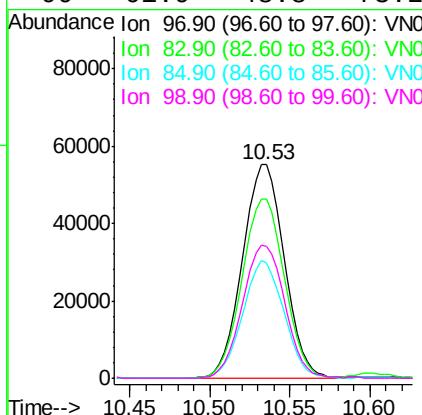
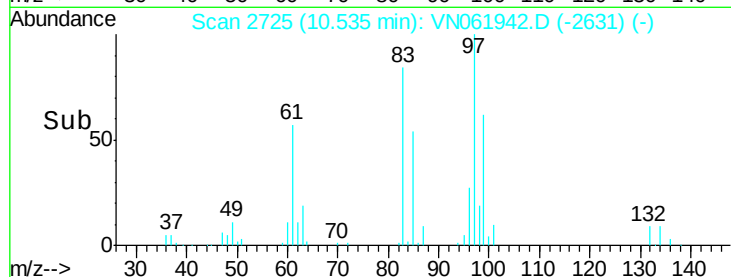
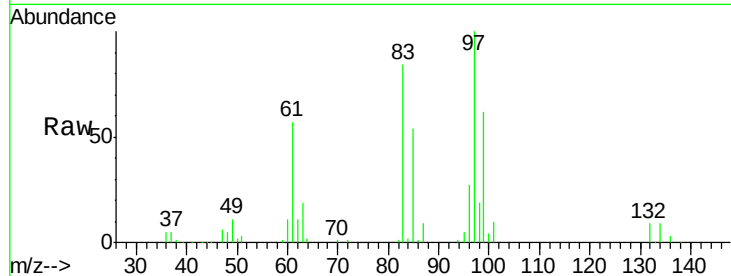
#55
1,1,2-Trichloroethane
Concen: 53.073 ug/l
RT: 10.53 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	97	Resp	98933
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.7	101.5
85	54.0	43.4	65.0
99	61.9	48.8	73.2

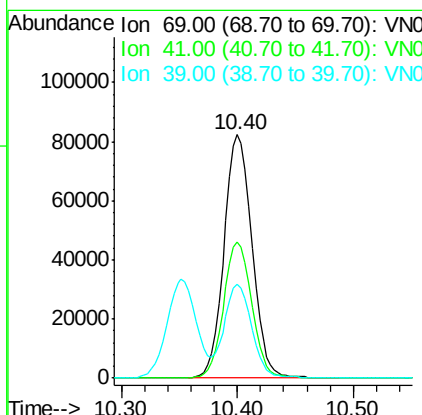
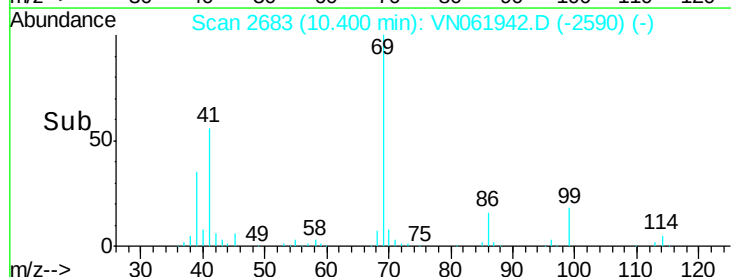
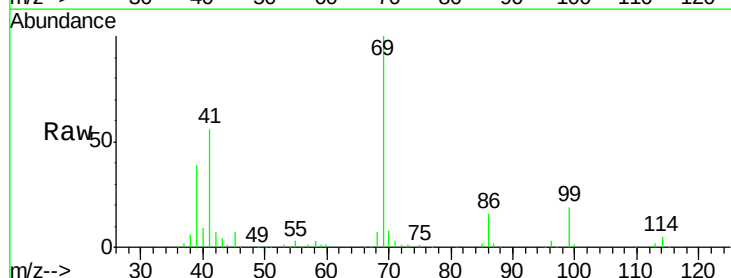
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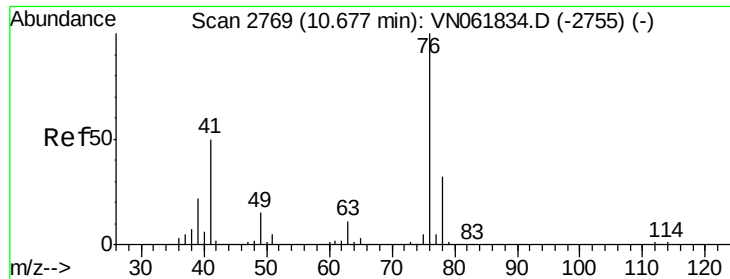
MMDadoda
6/19/2020 1:02:10 PM



#56
Ethyl methacrylate
Concen: 48.470 ug/l
RT: 10.40 min Scan# 2683
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	69	Resp	137742
Ion	Ratio	Lower	Upper
69	100		
41	55.8	44.9	67.3
39	37.9	30.0	45.0





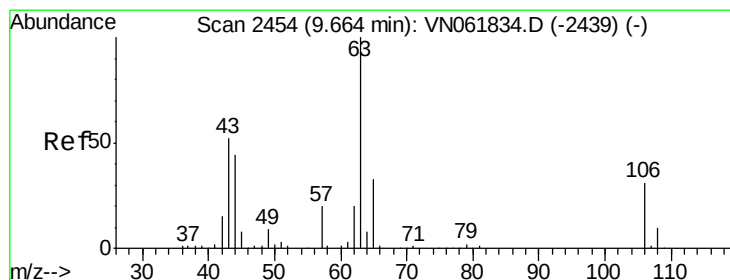
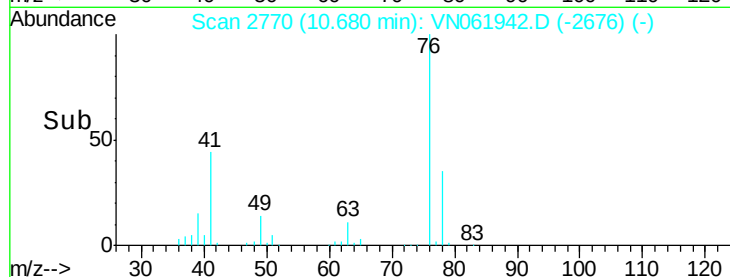
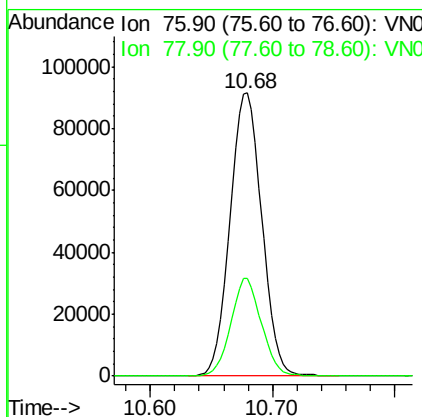
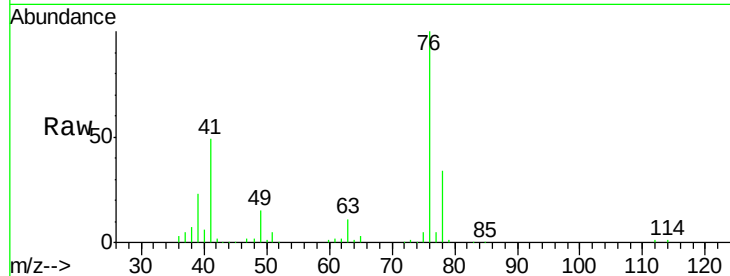
#57
 1,3-Dichloropropane
 Concen: 52.462 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 165677
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.8 38.8

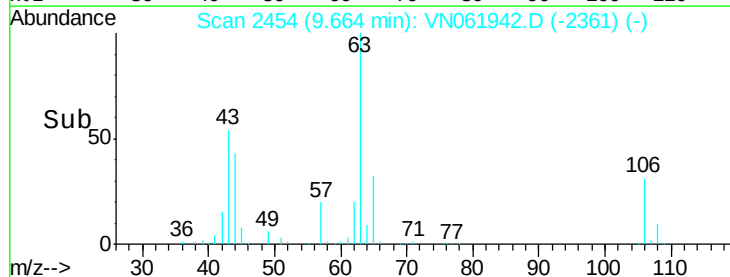
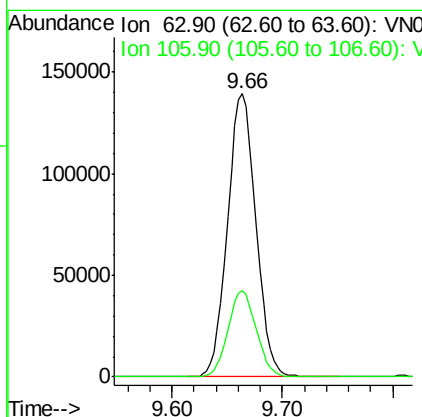
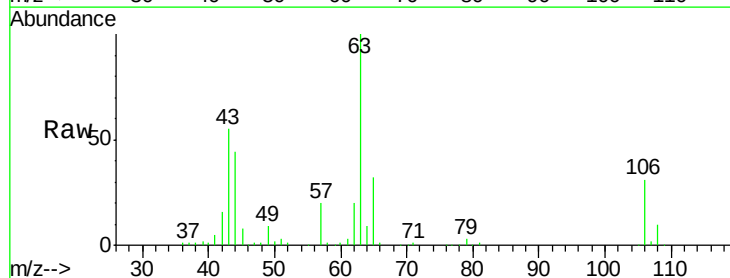
Manual Integrations
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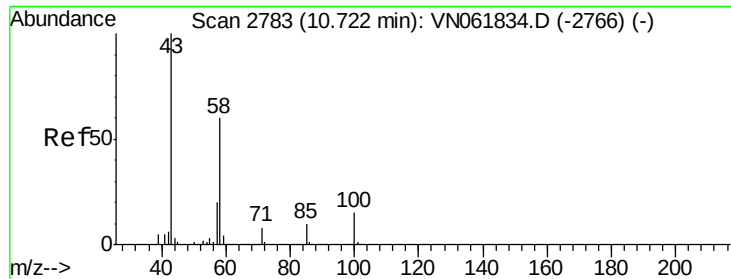
MMDadoda
 6/19/2020 1:02:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.760 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion: 63 Resp: 248667
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.6 36.8





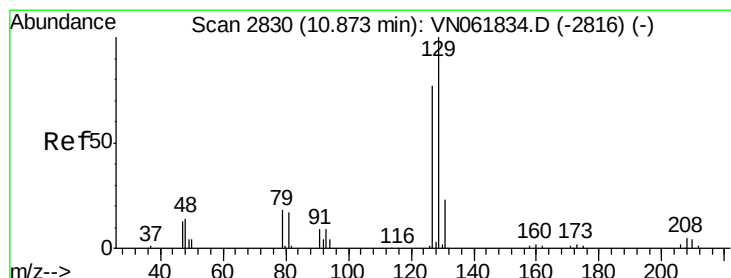
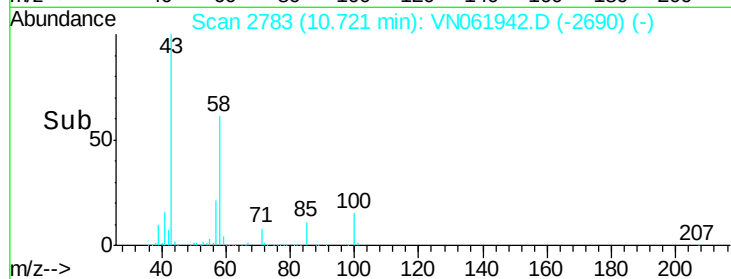
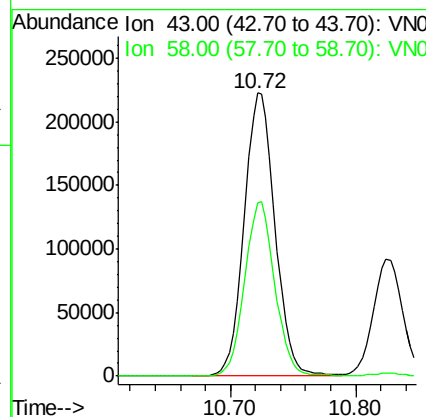
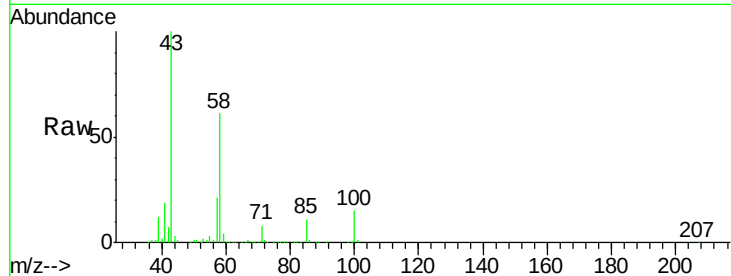
#59
2-Hexanone
Concen: 245.577 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	379584
Ion Ratio	43	100	
Lower	58	60.4	30.1
Upper			90.5

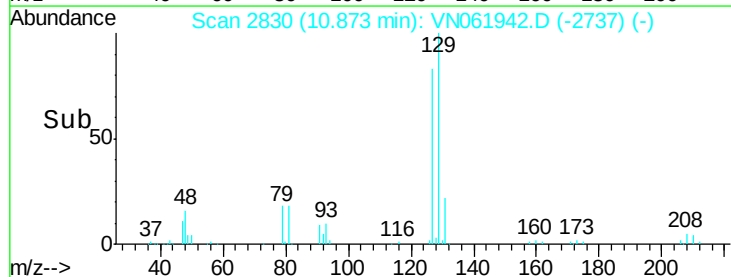
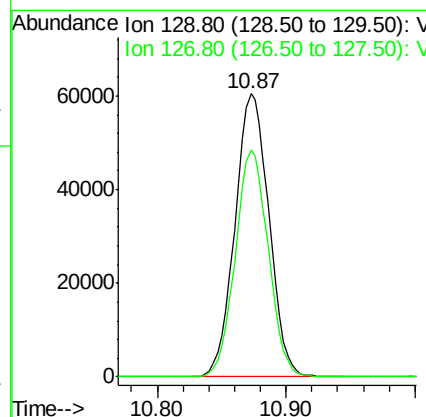
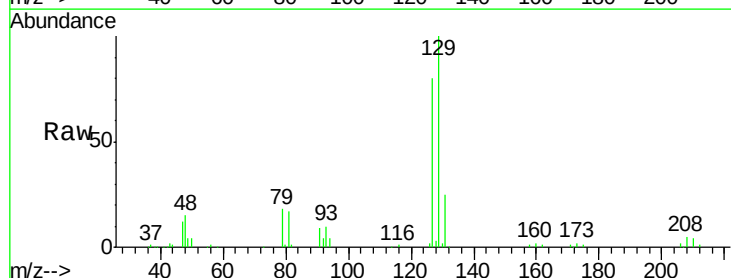
Manual Integrations
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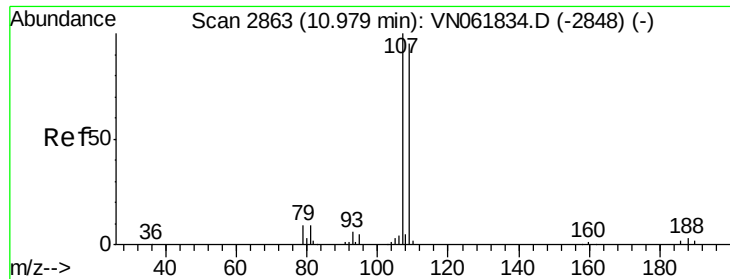
MMDadoda
6/19/2020 1:02:10 PM



#60
Dibromochloromethane
Concen: 53.281 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	129	Resp	110827
Ion Ratio	129	100	
Lower	127	77.6	38.5
Upper			115.5





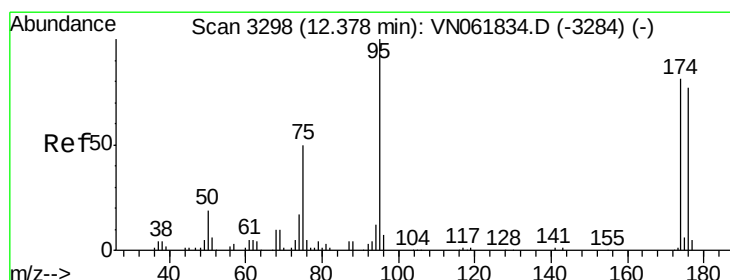
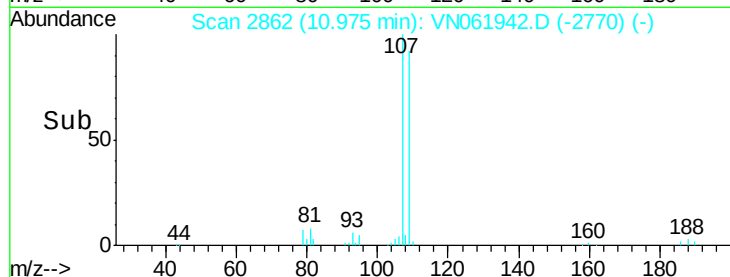
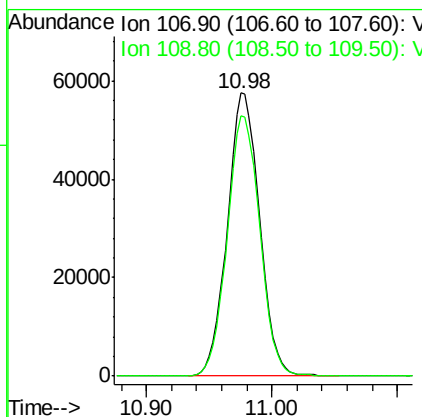
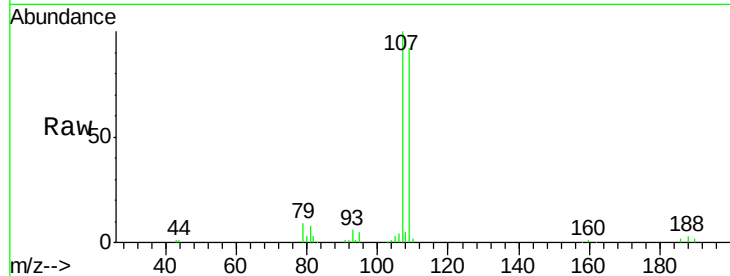
#61
 1,2-Dibromoethane
 Concen: 52.905 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.0	112.6

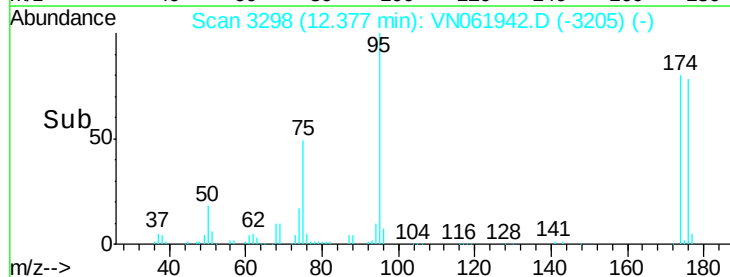
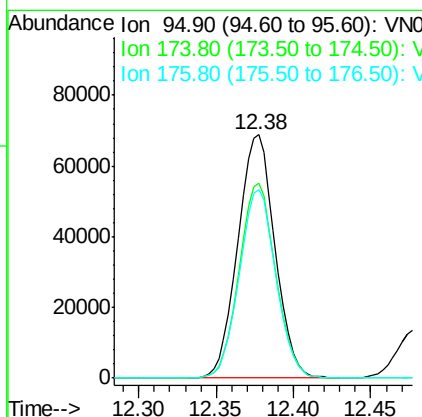
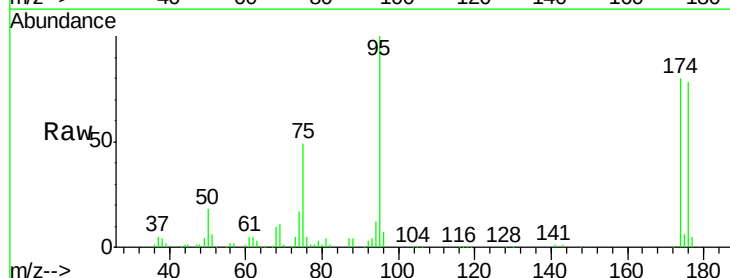
Manual Integrations
 APPROVED

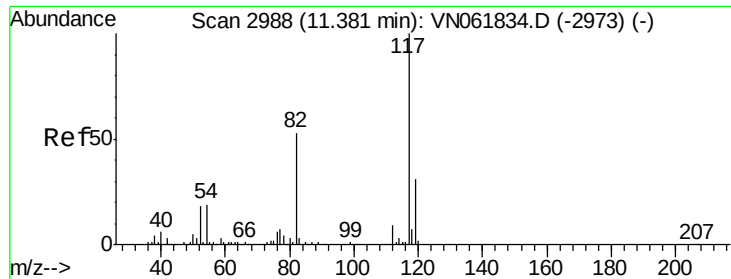
MMDadoda
 6/19/2020 1:02:10 PM



#62
 4-Bromofluorobenzene
 Concen: 48.717 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	158.6
176	76.2	0.0	152.0





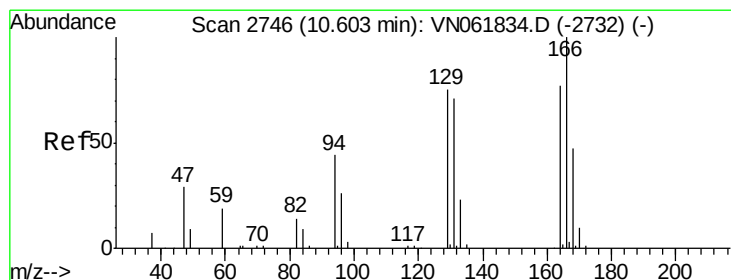
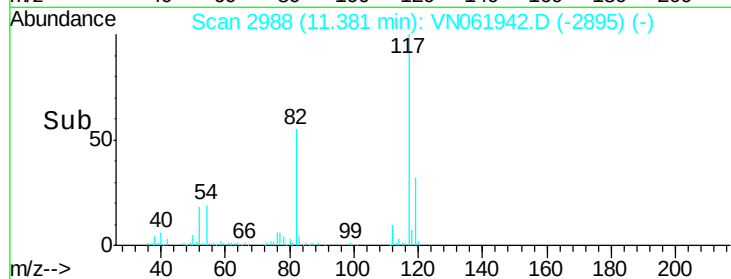
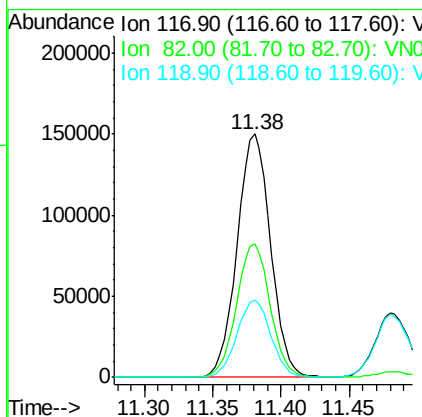
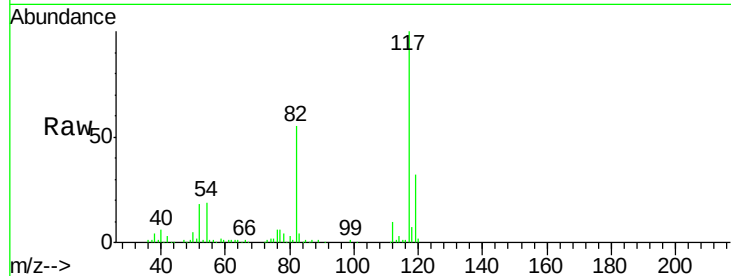
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	42.6	64.0
119	31.6	24.7	37.1

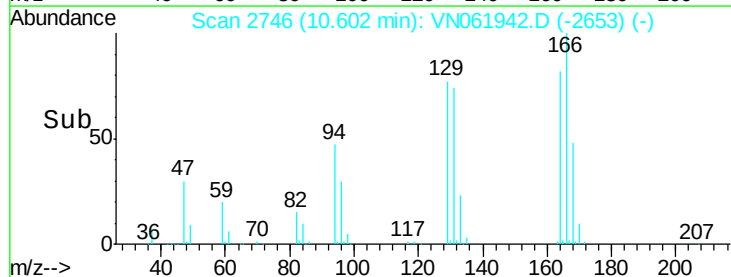
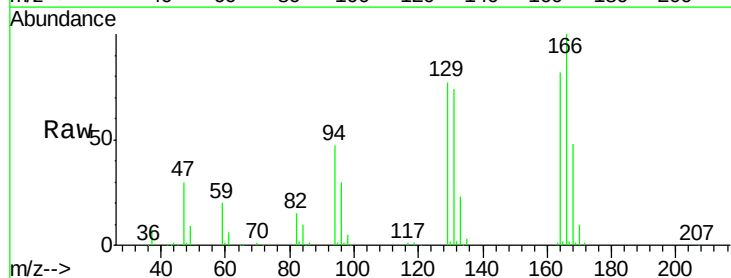
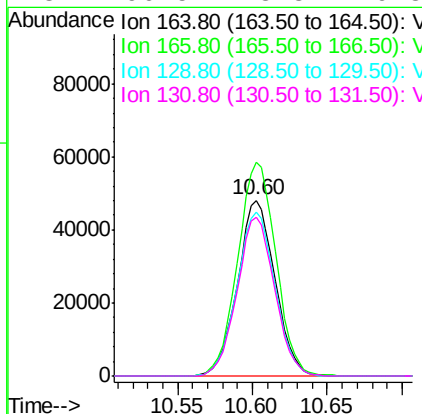
Manual Integrations
APPROVED

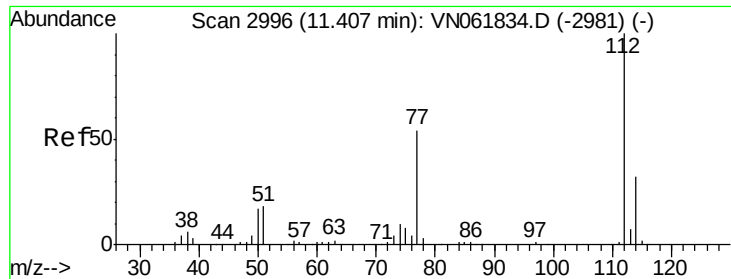
MMDadoda
6/19/2020 1:02:10 PM



#64
Tetrachloroethene
Concen: 51.218 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.5	103.5	155.3
129	93.1	77.5	116.3
131	90.5	73.8	110.8





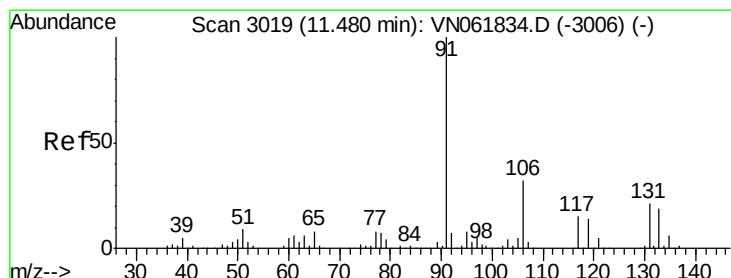
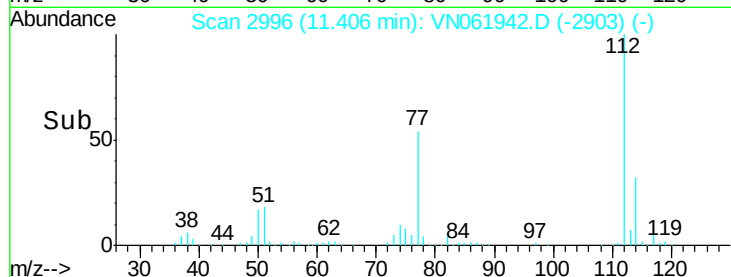
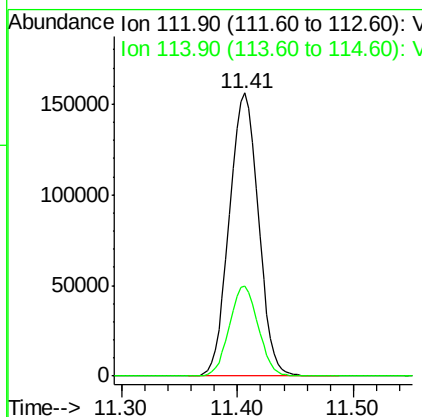
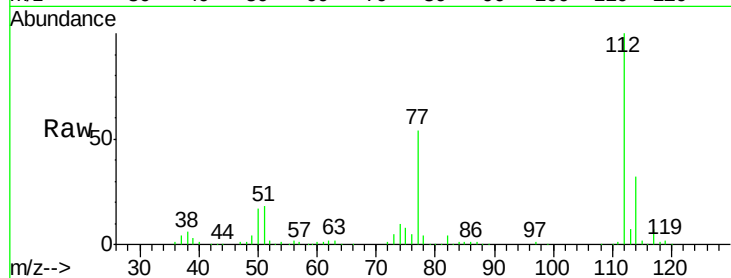
#65
Chlorobenzene
Concen: 50.157 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 271089
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

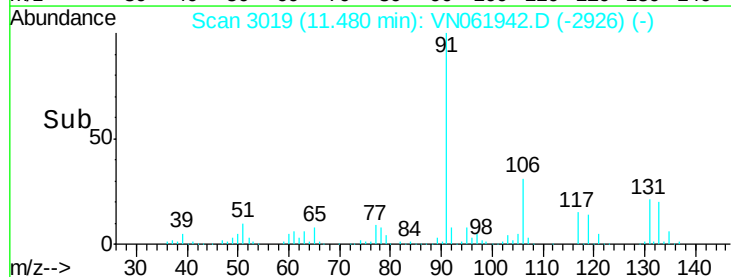
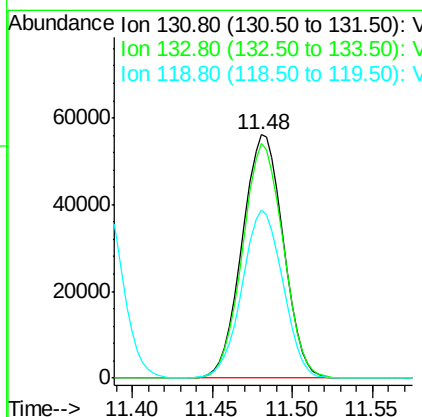
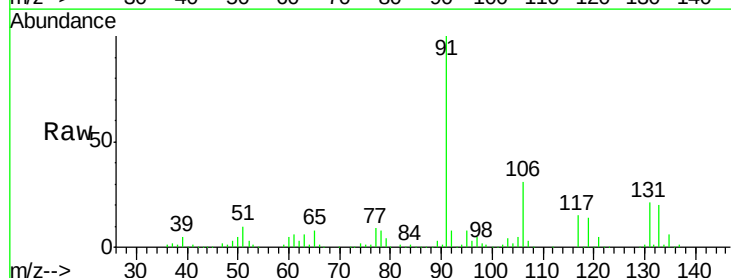
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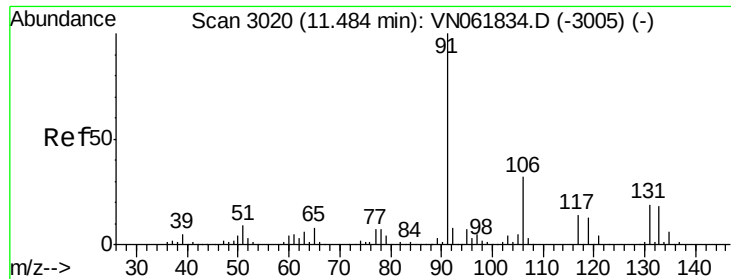
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.346 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion:131 Resp: 98673
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.5
119 68.5 34.0 101.8





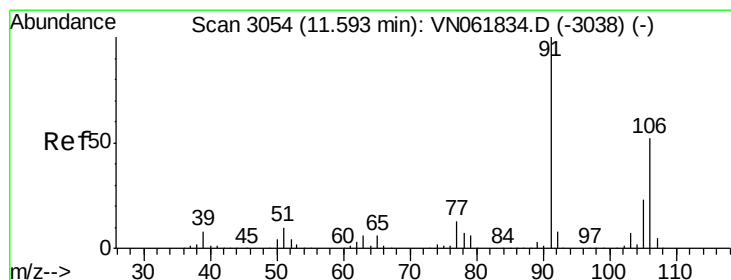
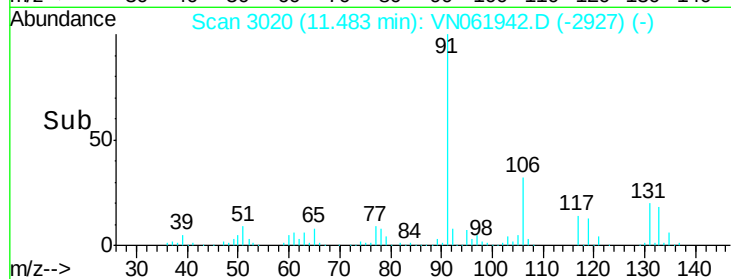
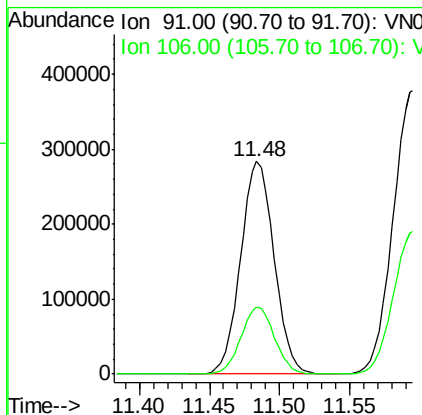
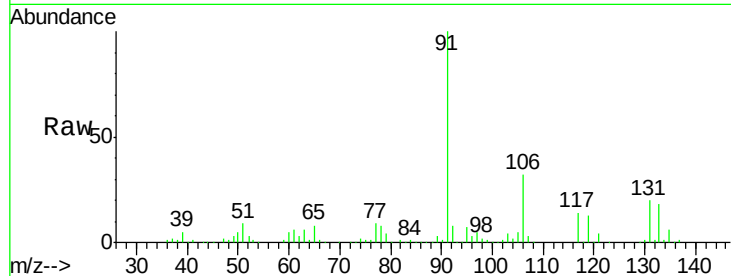
#67
Ethyl Benzene
Concen: 52.225 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 473257
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2

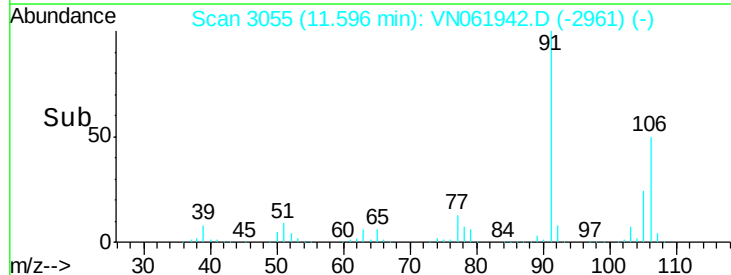
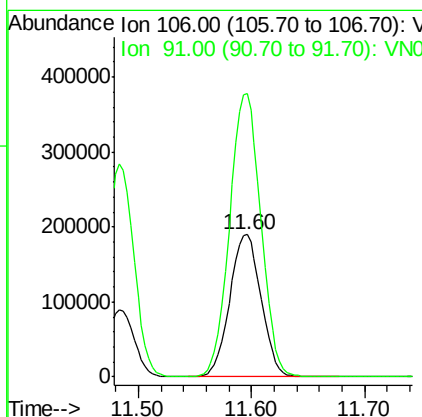
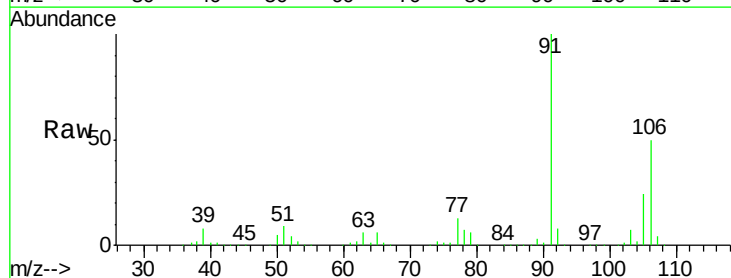
Manual Integrations
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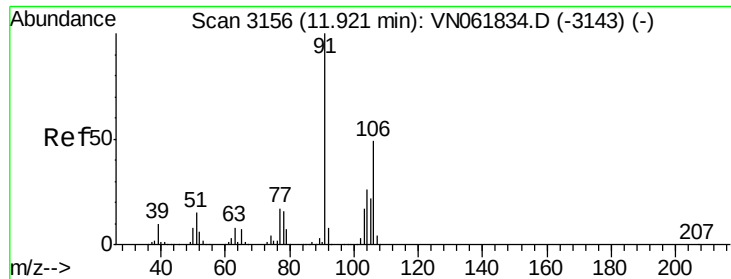
MMDadoda
6/19/2020 1:02:10 PM



#68
m/p-Xylenes
Concen: 104.740 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion: 106 Resp: 365991
Ion Ratio Lower Upper
106 100
91 198.4 157.0 235.6





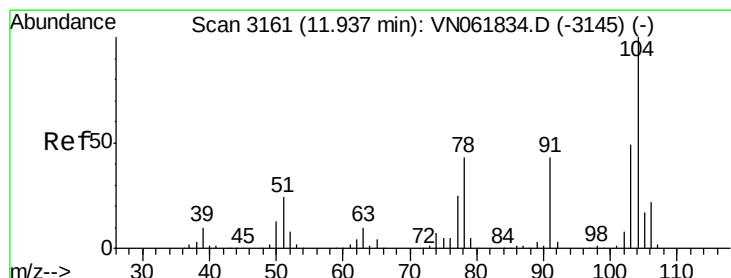
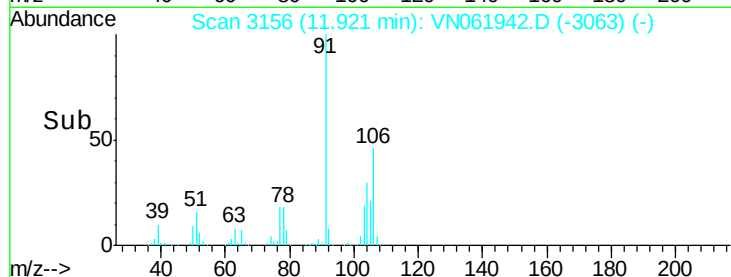
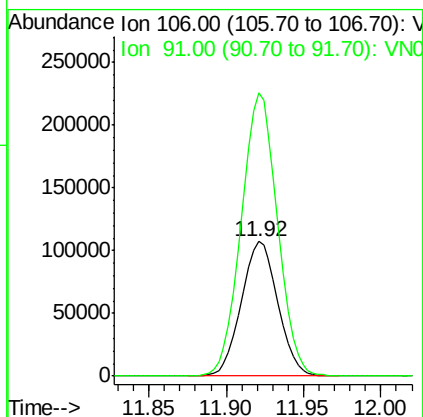
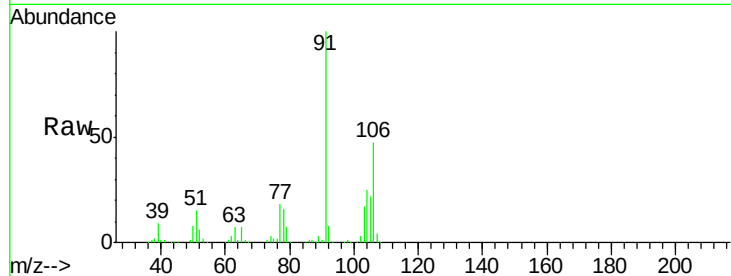
#69
o-Xylene
Concen: 53.035 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

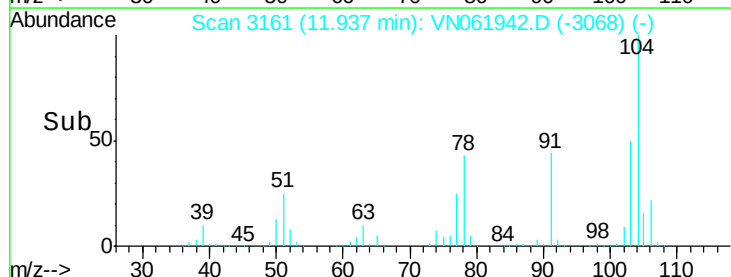
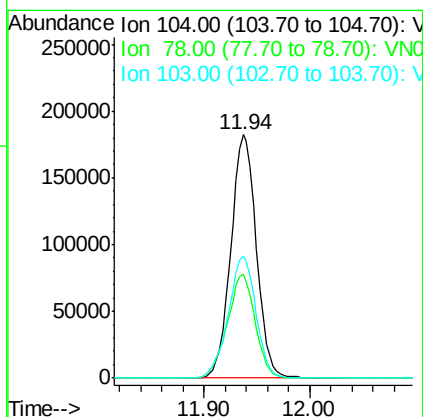
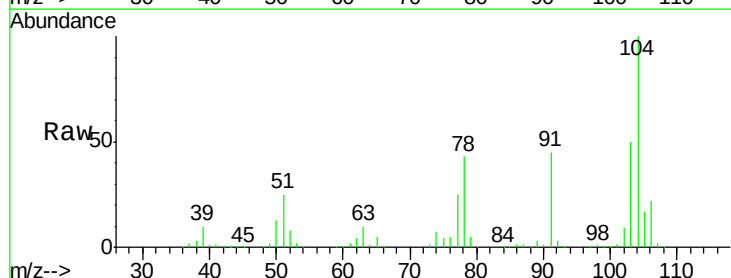
Manual Integrations
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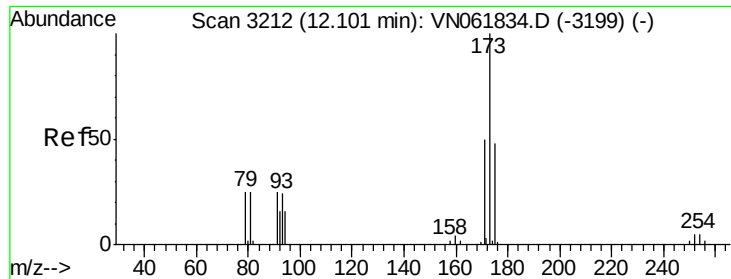
MMDadoda
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#70
Styrene
Concen: 54.547 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.5	37.6	56.4	
103	54.3	43.0	64.4	





#71

Bromoform

Concen: 53.354 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

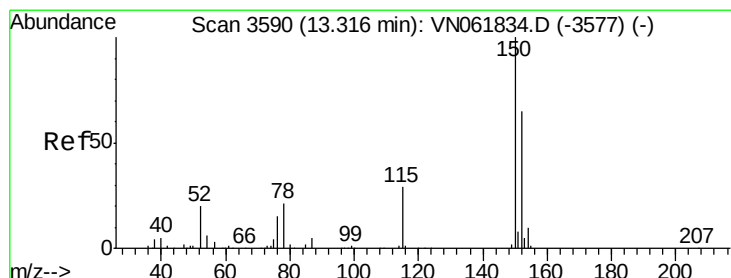
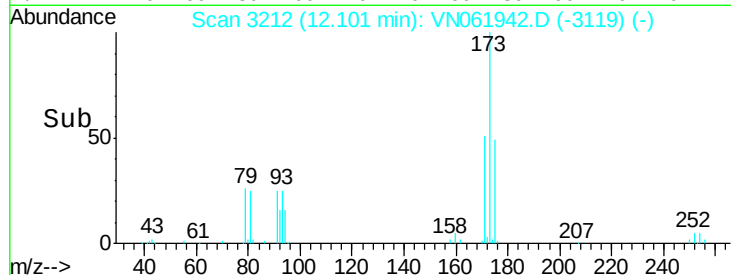
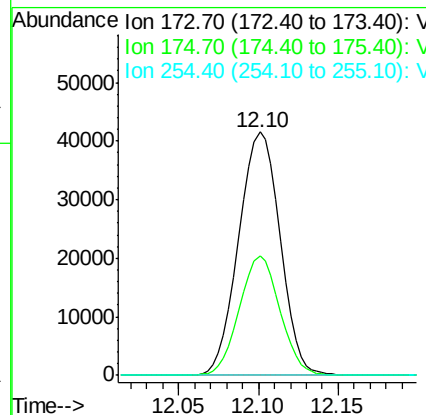
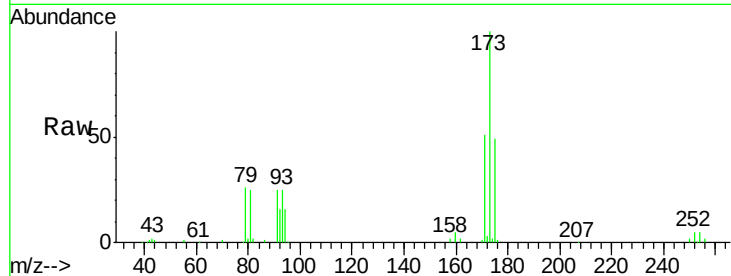
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	73332
Ion Ratio	Lower	Upper	
173	100		
175	48.0	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

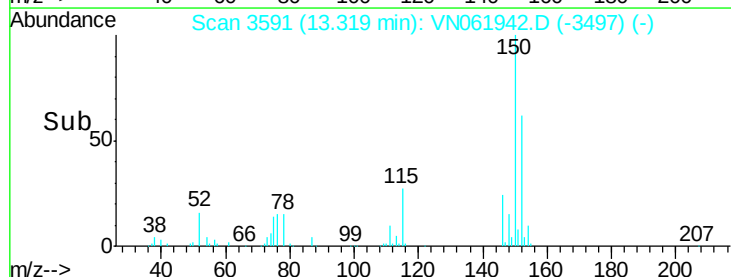
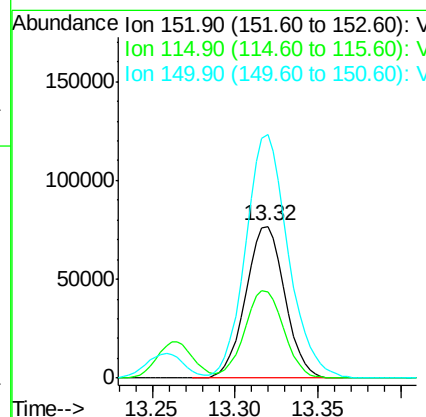
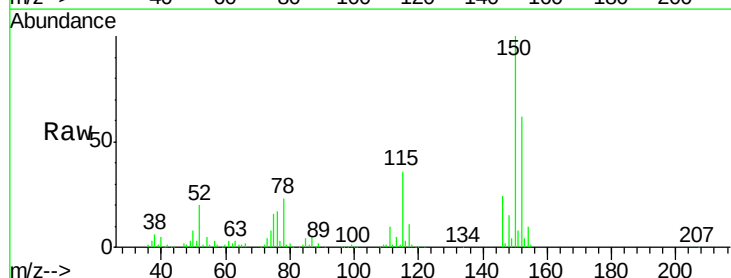
RT: 13.32 min Scan# 3591

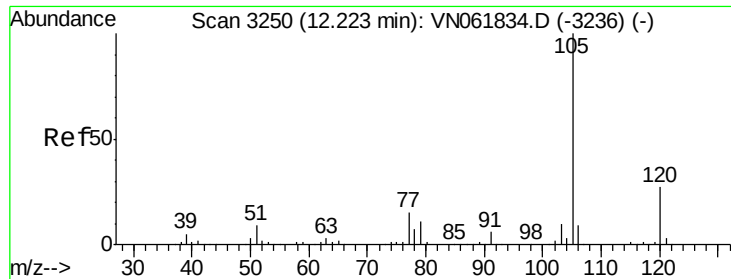
Delta R.T. 0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Tgt Ion:	152	Resp:	125552
Ion Ratio	Lower	Upper	
152	100		
115	58.0	29.1	87.3
150	175.4	0.0	347.6





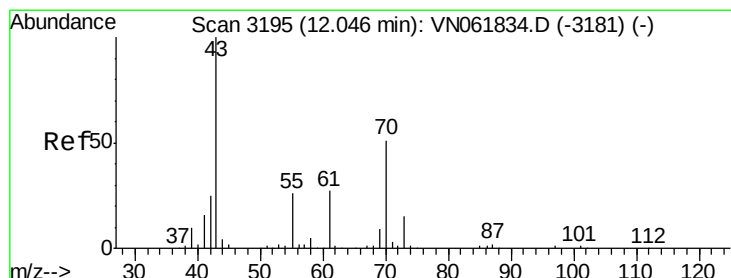
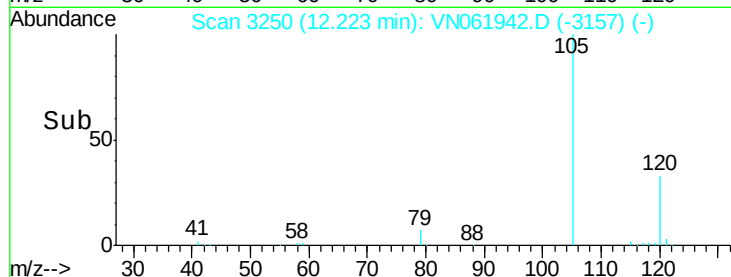
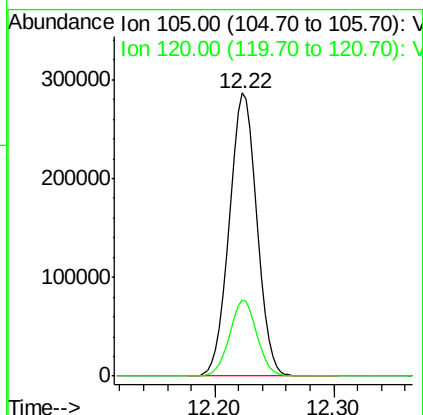
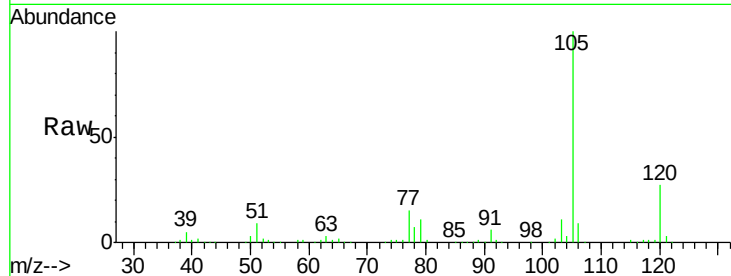
#73
Isopropylbenzene
Concen: 51.555 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.8

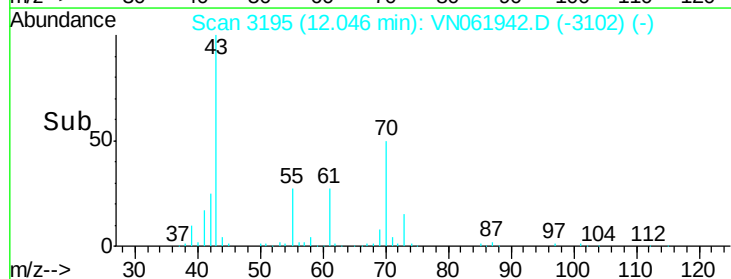
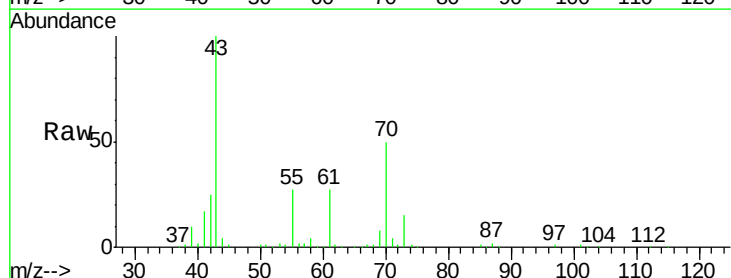
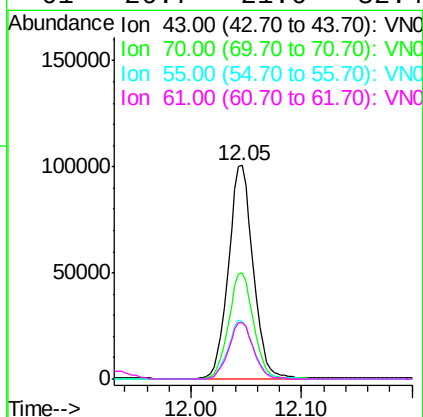
Manual Integrations
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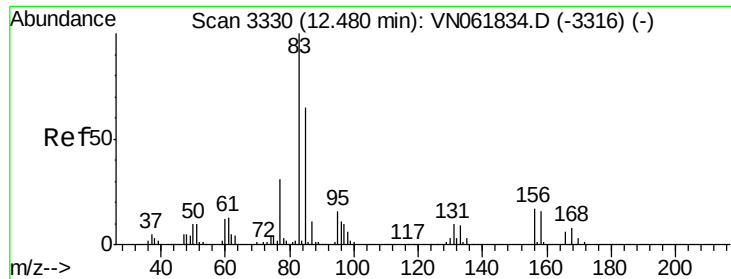
MMDadoda
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#74
N-ethyl acetate
Concen: 48.566 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.1	40.6	60.8
55	28.1	21.5	32.3
61	26.7	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.093 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

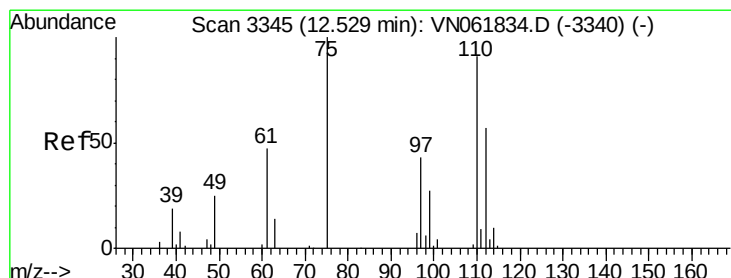
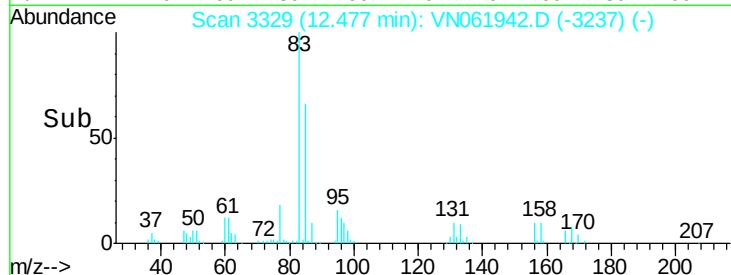
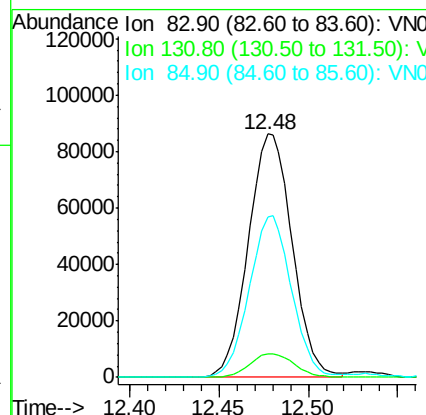
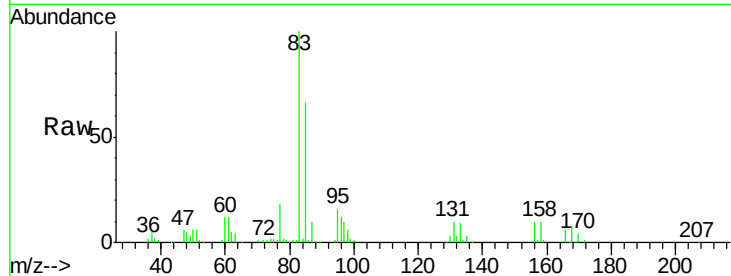
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	148207
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	64.0	32.4	97.2

Manual Integrations
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6/19/2020 1:02:10 PM



#76

1,2,3-Trichloropropane

Concen: 52.794 ug/l m

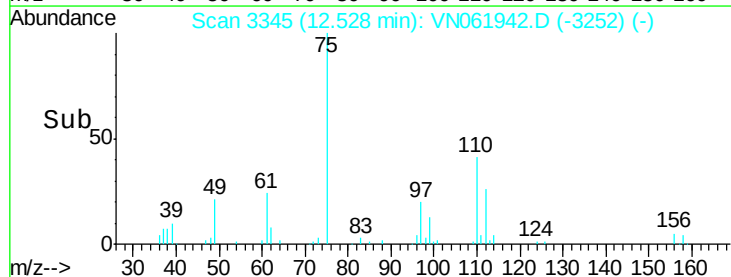
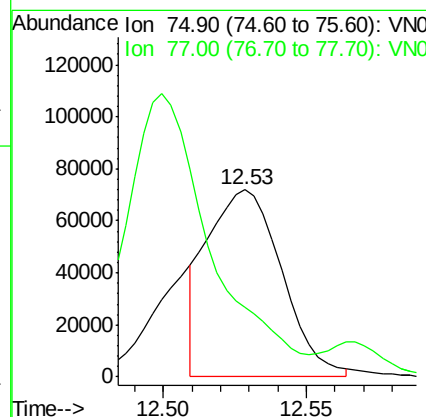
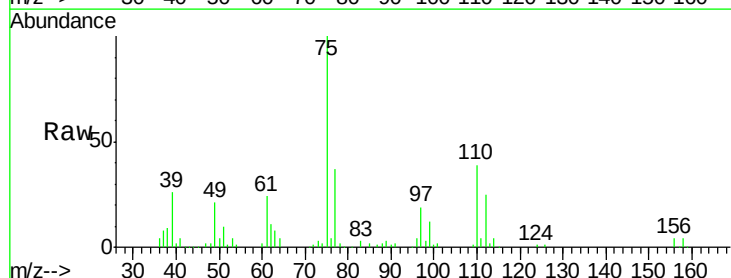
RT: 12.53 min Scan# 3345

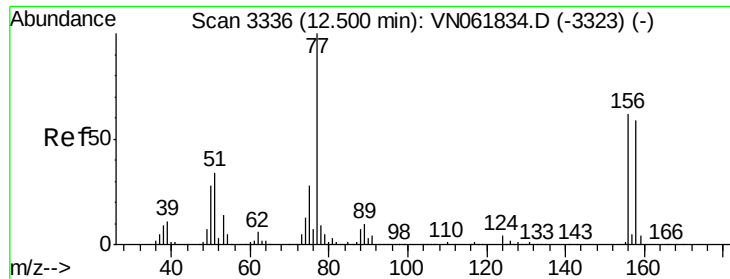
Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Tgt Ion:	75	Resp:	130133
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





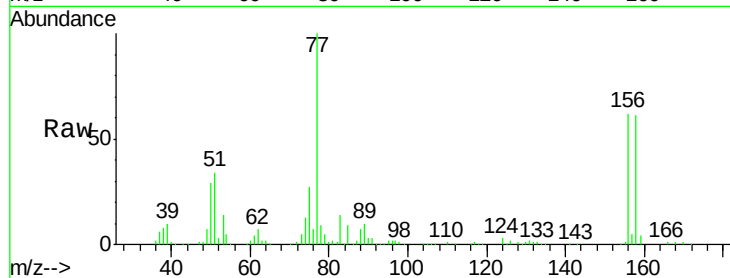
#77
Bromobenzene
Concen: 50.846 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

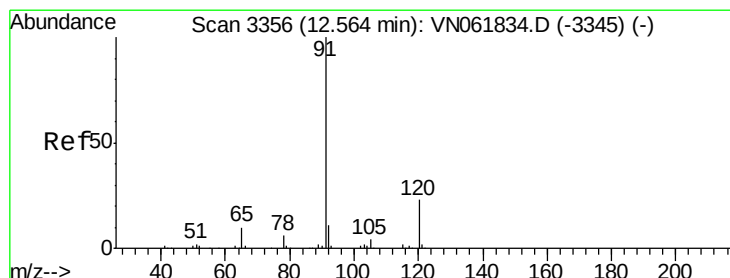
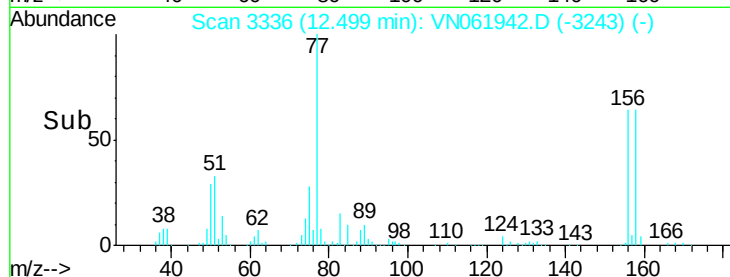
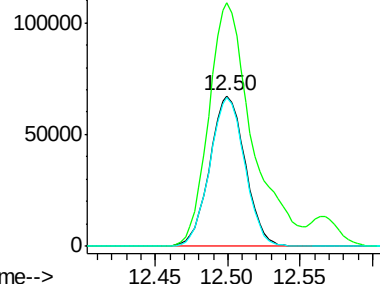
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	197.4	100.7	302.1	
158	97.3	48.5	145.5	

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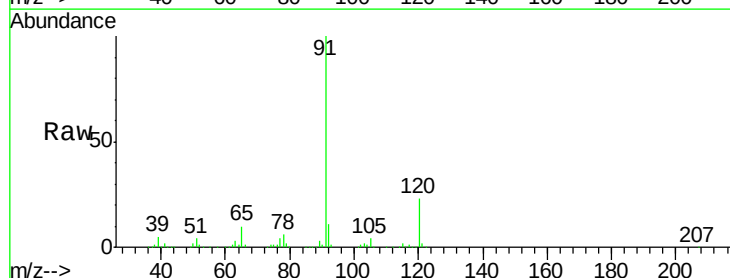


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

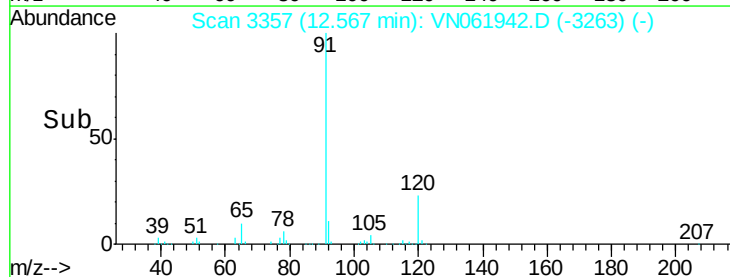
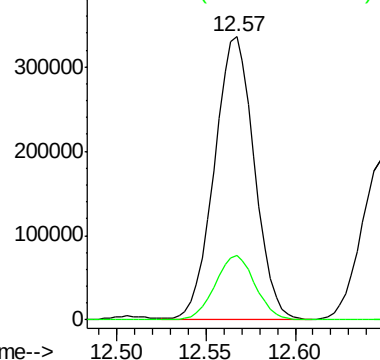


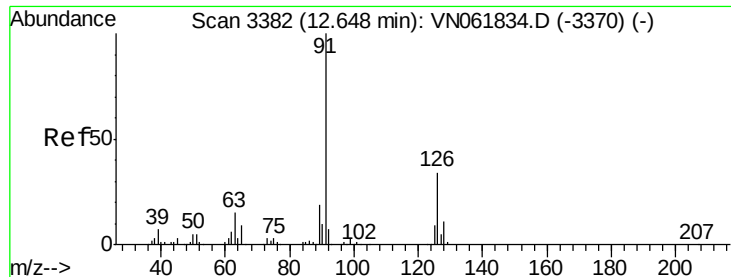
#78
n-propylbenzene
Concen: 51.184 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.9	11.6	34.8	



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.992 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 311775

Ion Ratio Lower Upper

91 100

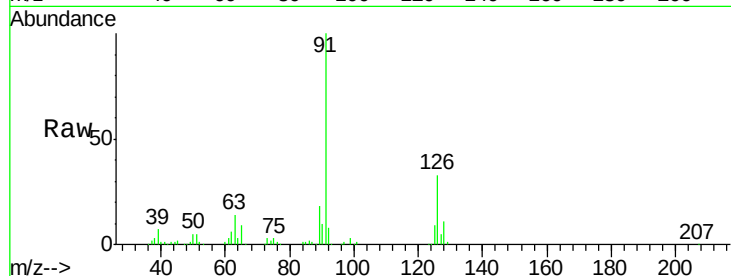
126 34.3 17.3 51.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061942.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061942.D (-3382) (-)

300000

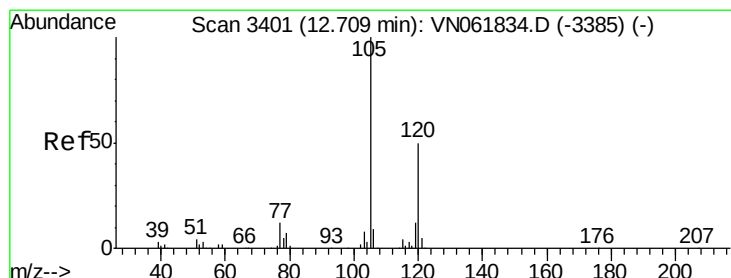
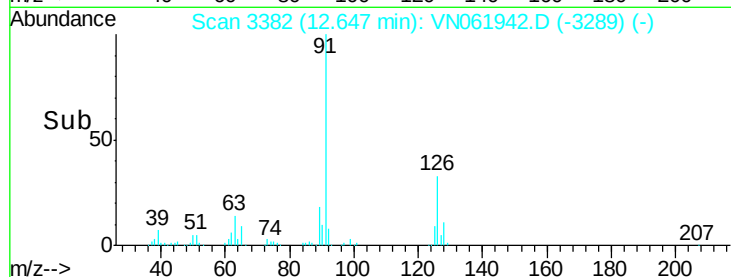
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.085 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061942.D

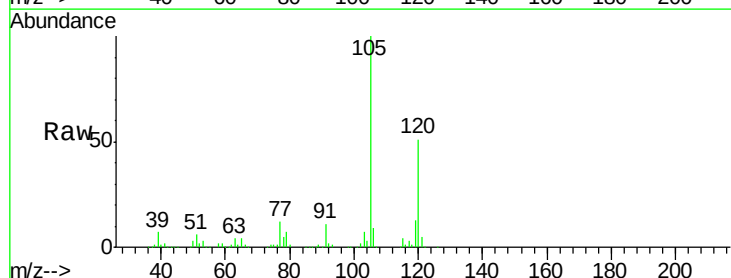
Acq: 19 Jun 2020 9:18

Tgt Ion: 105 Resp: 384451

Ion Ratio Lower Upper

105 100

120 50.4 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061942.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061942.D (-3401) (-)

250000

200000

150000

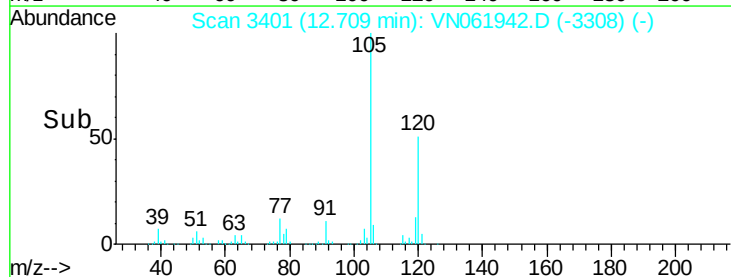
100000

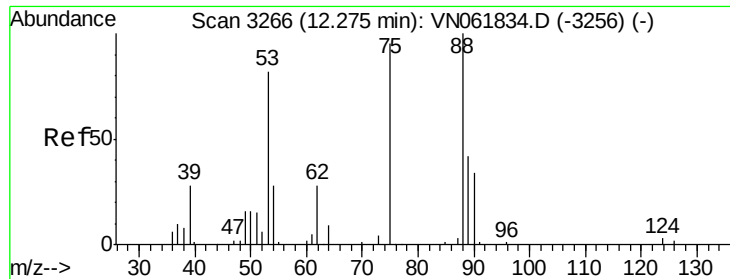
50000

0

12.60 12.70 12.80

Time-->





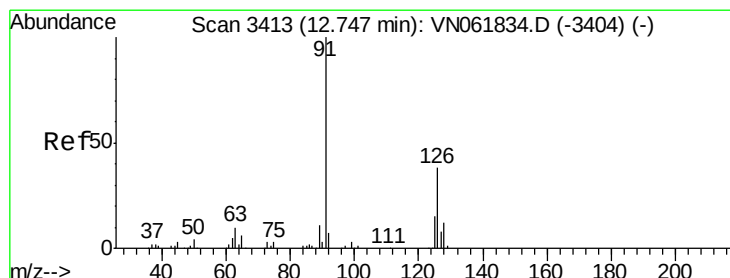
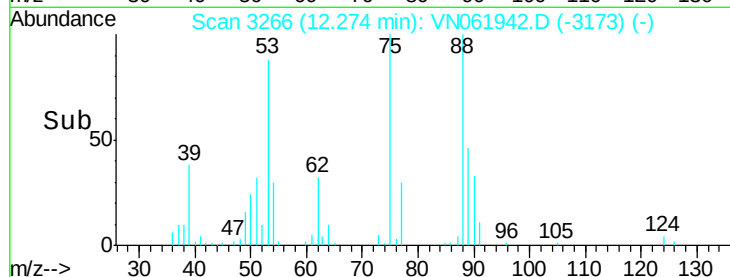
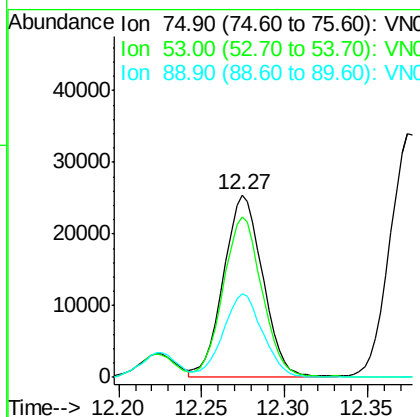
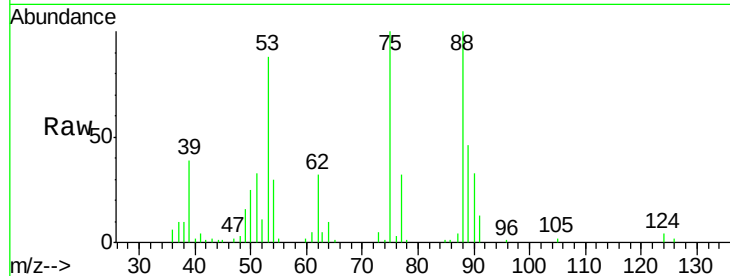
#81
trans-1,4-Dichloro-2-butene
Concen: 46.513 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	70.4	105.6
89	45.6	36.0	54.0

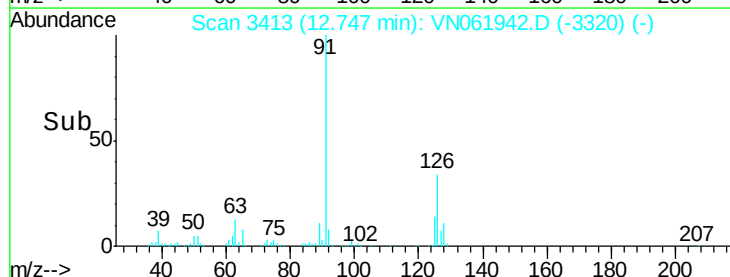
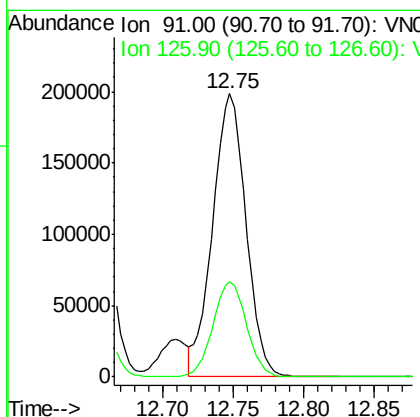
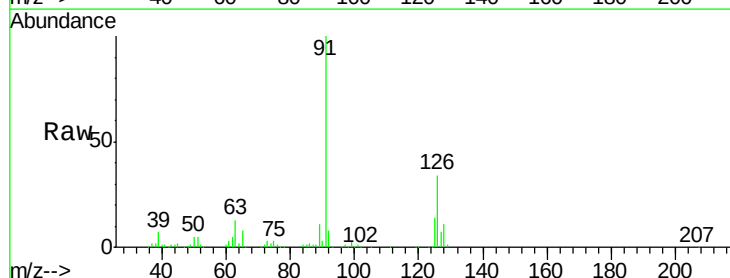
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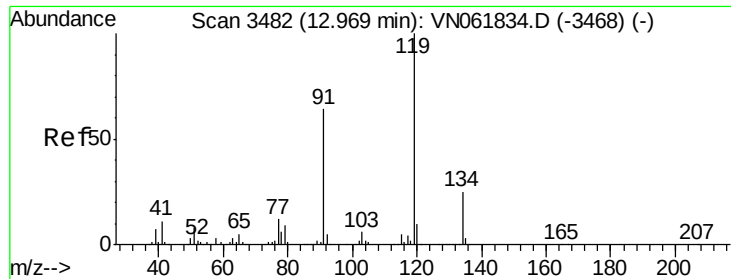
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#82
4-Chlorotoluene
Concen: 51.290 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061942.D
Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.2	51.6





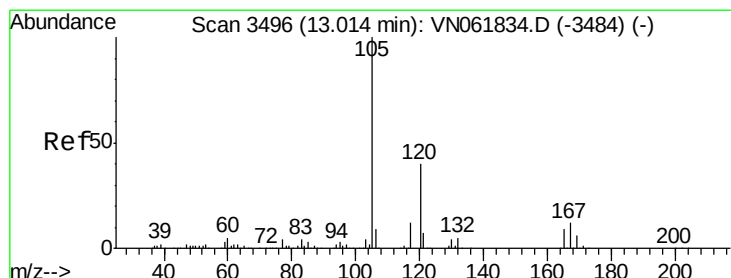
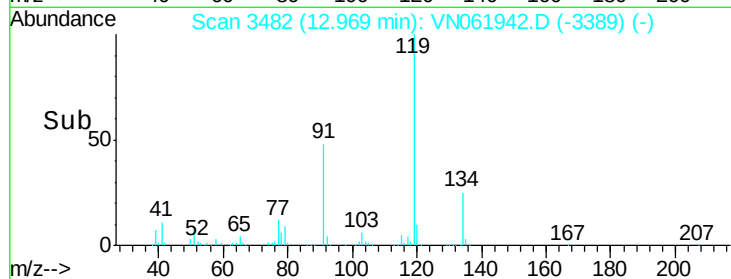
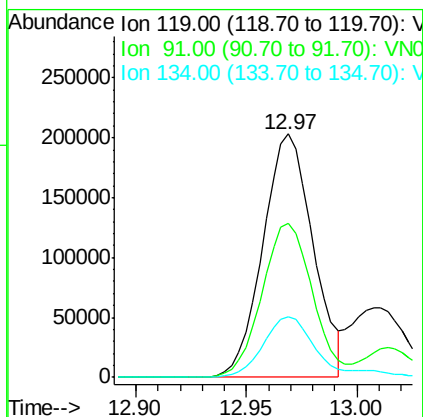
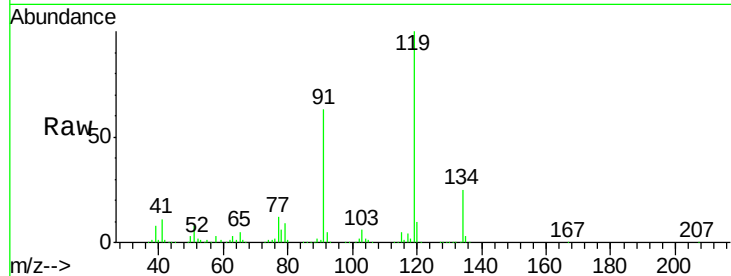
#83
 tert-Butylbenzene
 Concen: 51.057 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	31.5	94.5
134	27.1	13.3	39.9

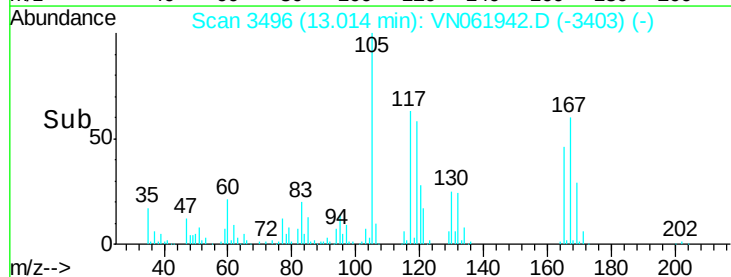
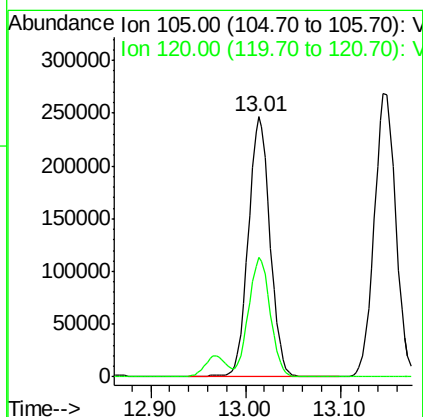
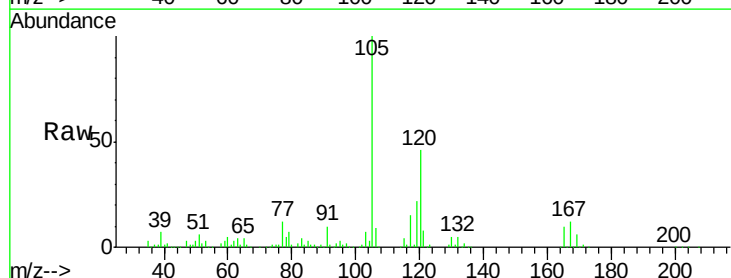
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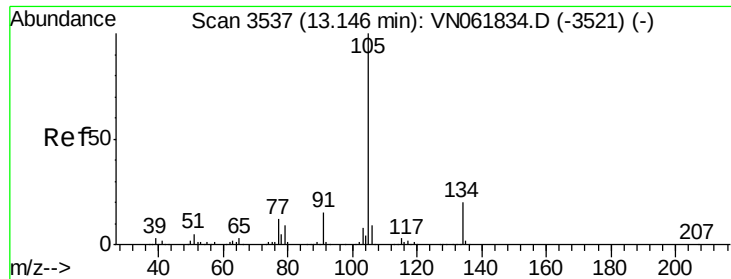
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.932 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.3	69.9





#85

sec-Butylbenzene

Concen: 51.660 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 423119

Ion Ratio Lower Upper

105 100

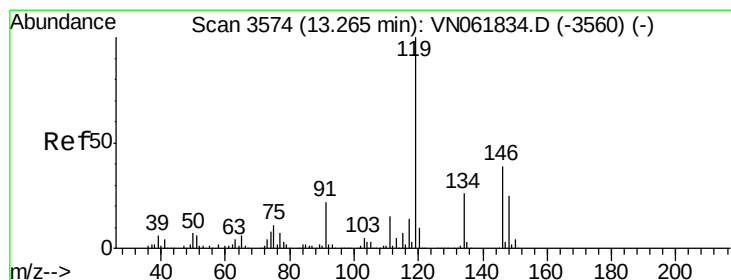
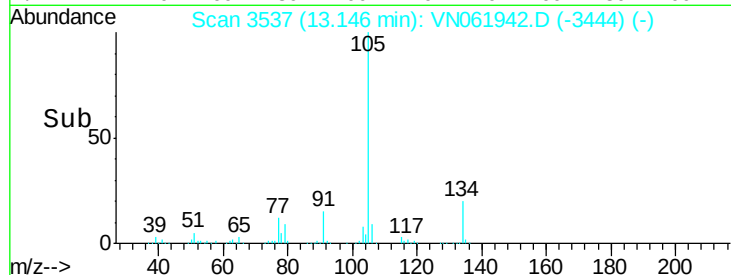
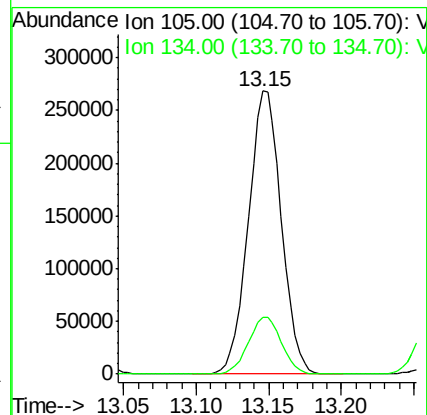
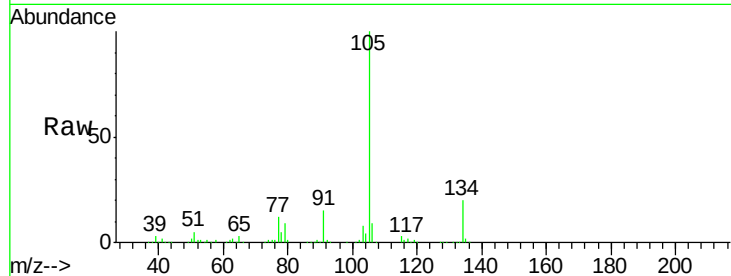
134 20.2 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 52.917 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

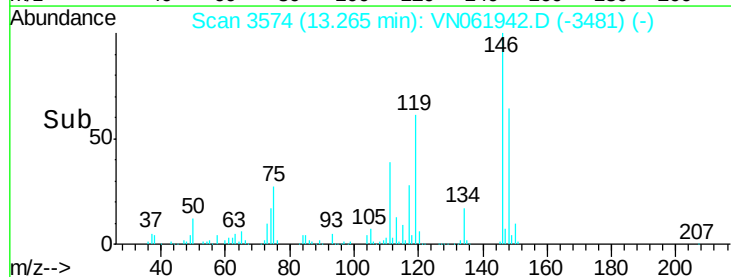
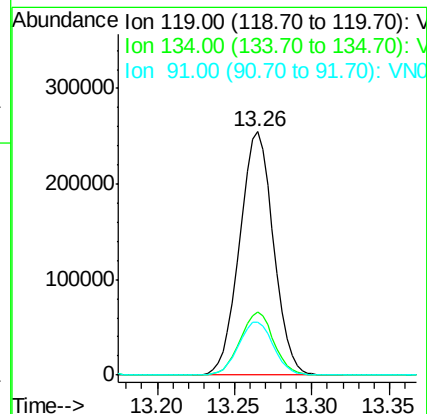
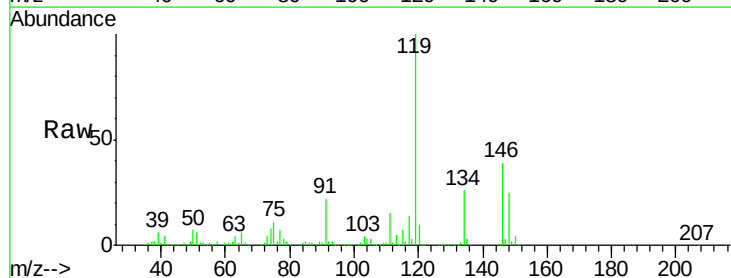
Tgt Ion:119 Resp: 386213

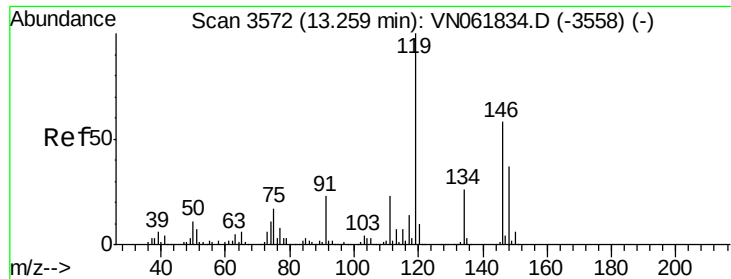
Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.9

91 22.6 11.2 33.6





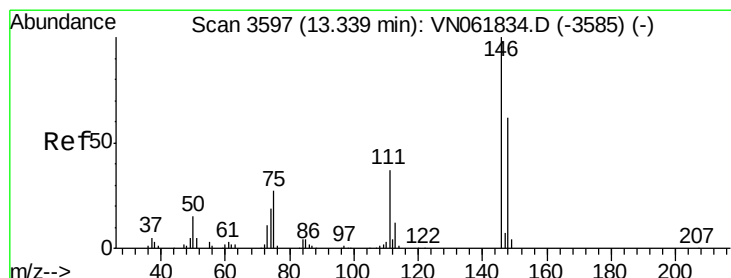
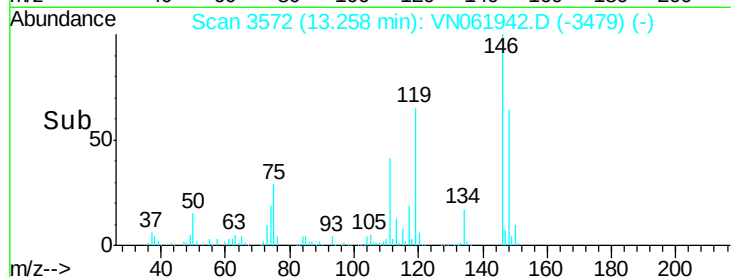
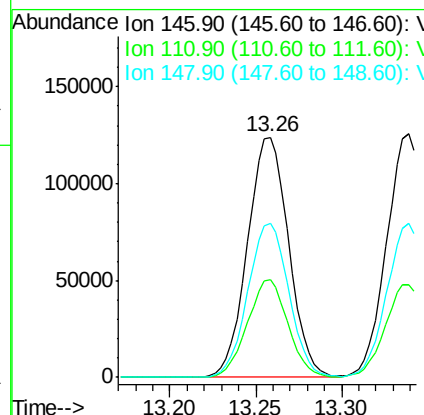
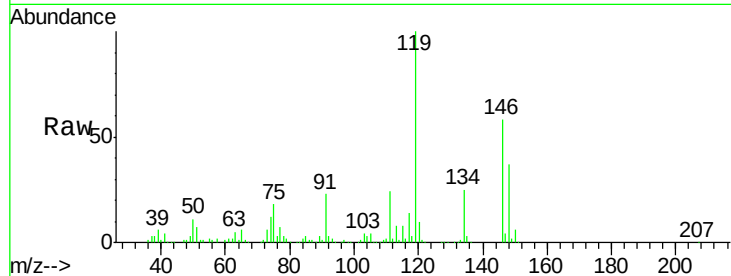
#87
 1,3-Dichlorobenzene
 Concen: 50.117 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	63.9	31.8	95.4

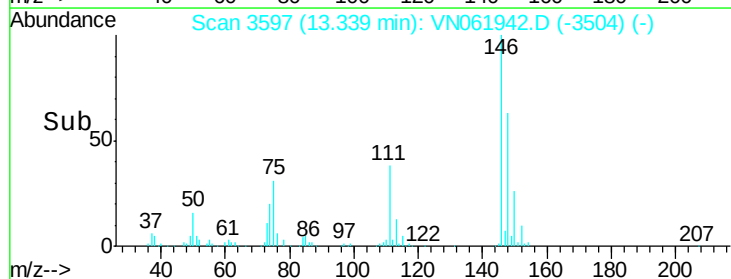
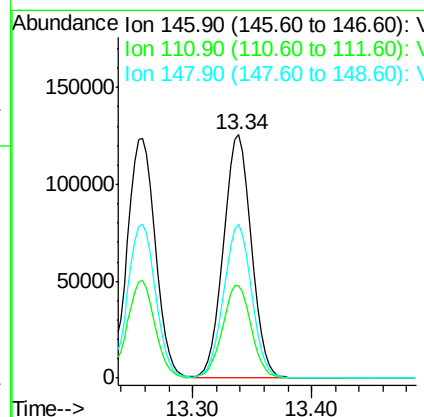
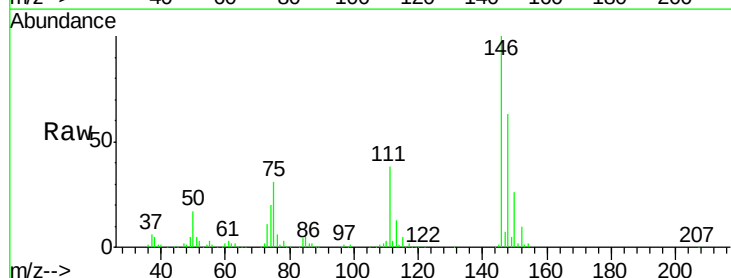
Manual Integrations
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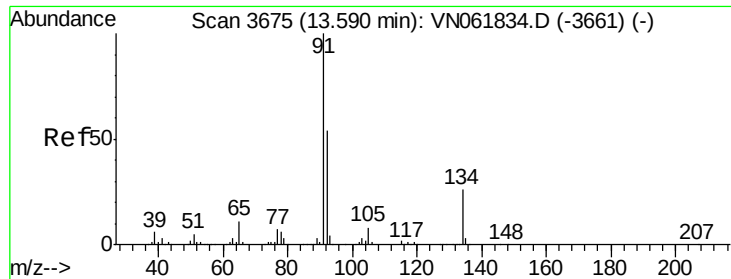
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#88
 1,4-Dichlorobenzene
 Concen: 48.801 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.8
148	63.4	31.6	94.7





#89

n-Butylbenzene

Concen: 50.333 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

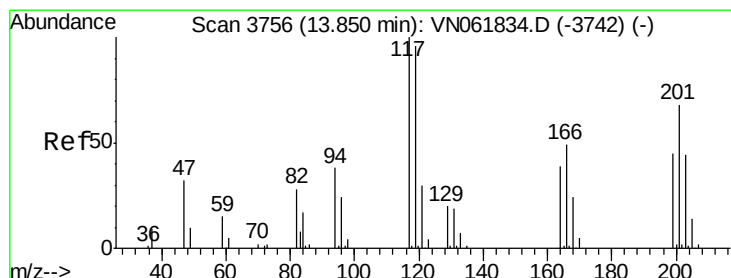
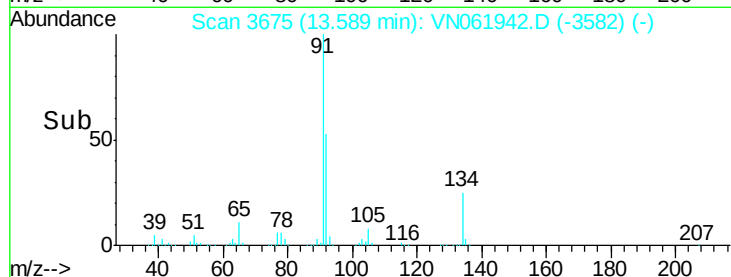
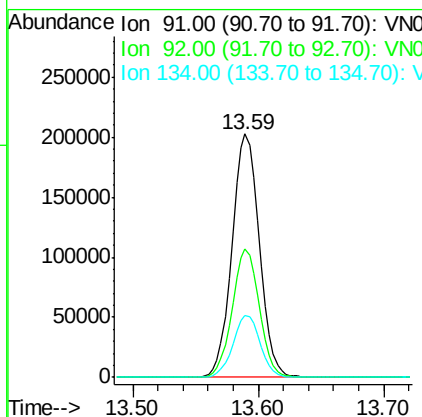
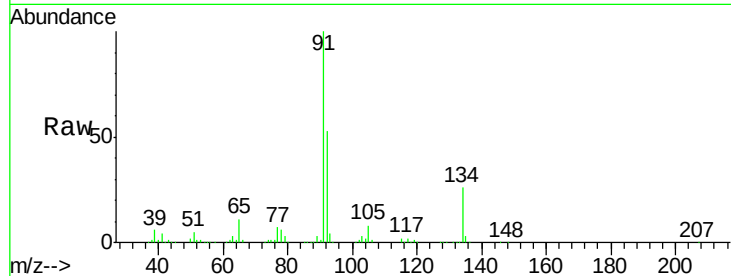
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	306792
Ion Ratio	Lower	Upper	
91	100		
92	52.1	27.0	80.8
134	25.4	13.0	39.0

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#90

Hexachloroethane

Concen: 54.030 ug/l

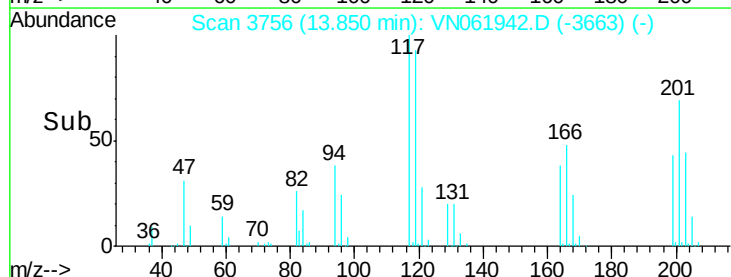
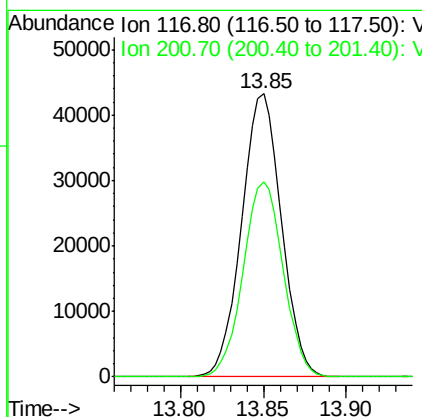
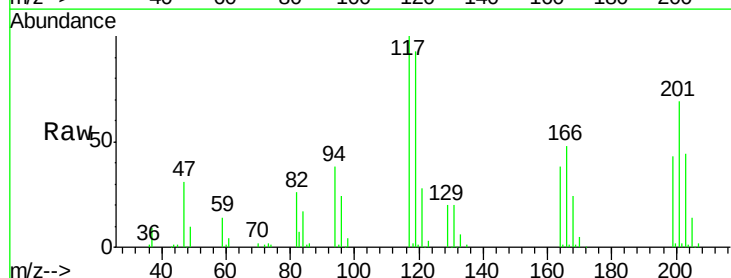
RT: 13.85 min Scan# 3756

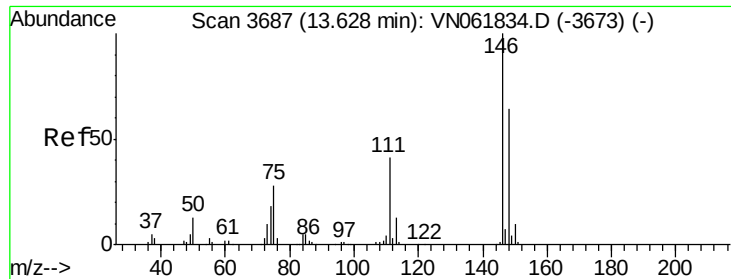
Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Tgt Ion:	117	Resp:	72183
Ion Ratio	Lower	Upper	
117	100		
201	69.2	34.6	103.8





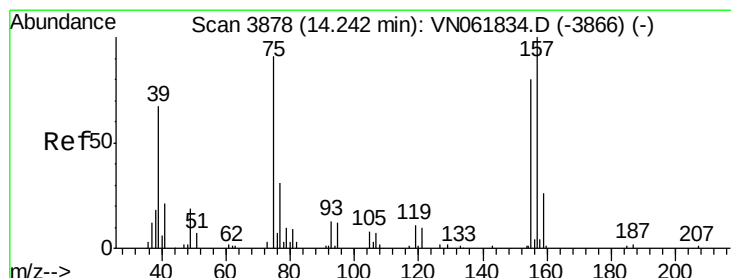
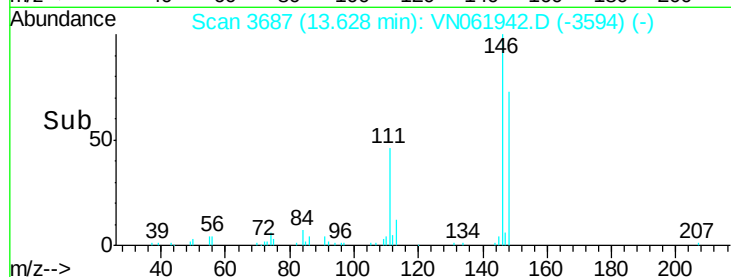
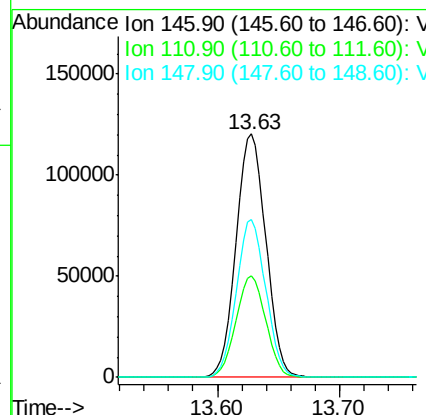
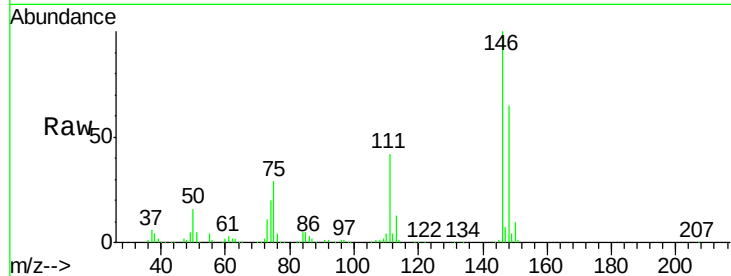
#91
 1,2-Dichlorobenzene
 Concen: 51.863 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.2
148	64.0	31.8	95.4

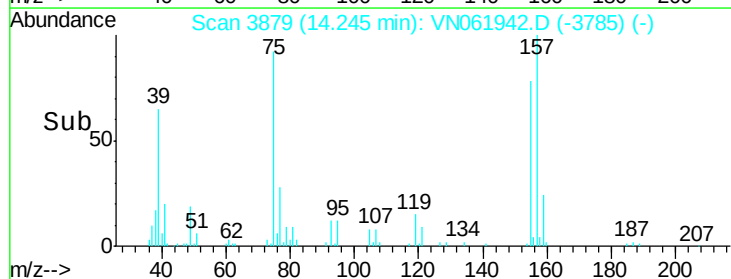
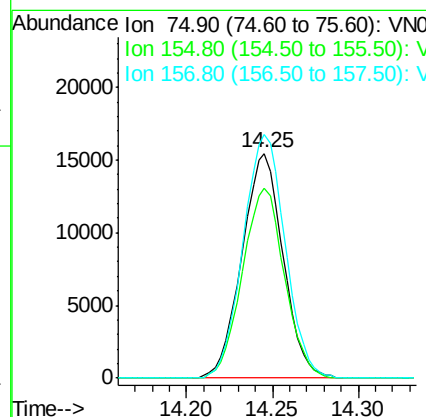
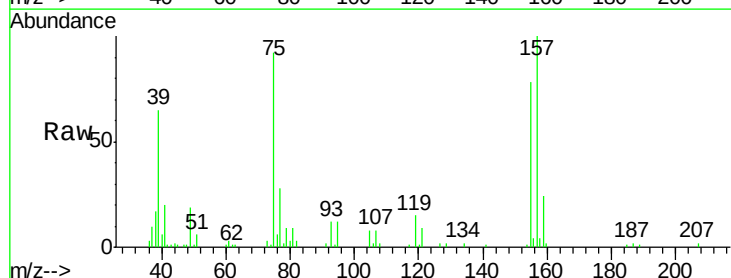
Manual Integrations
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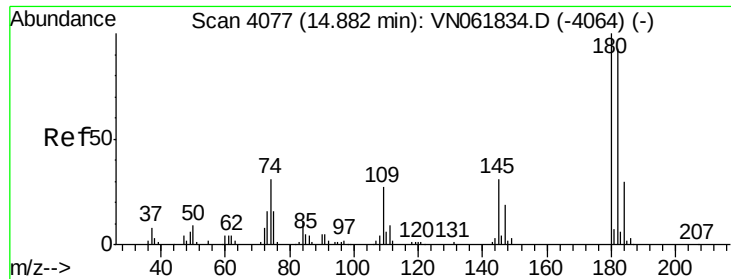
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.439 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	44.4	133.2
157	110.6	57.0	171.2





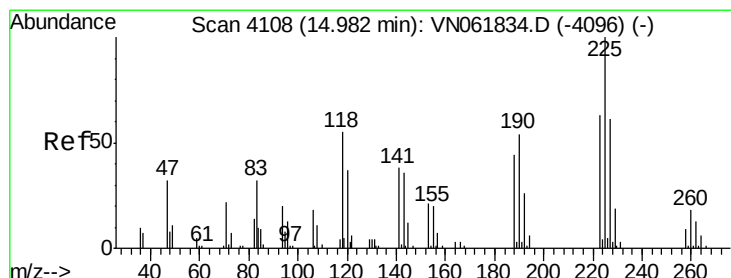
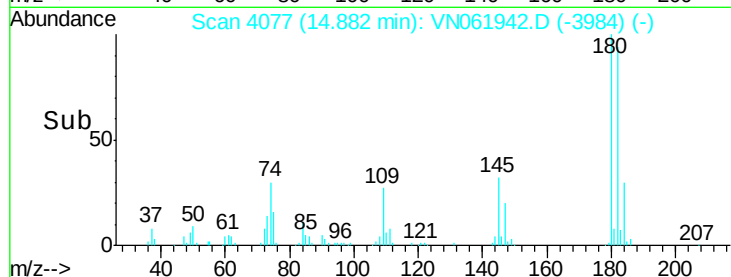
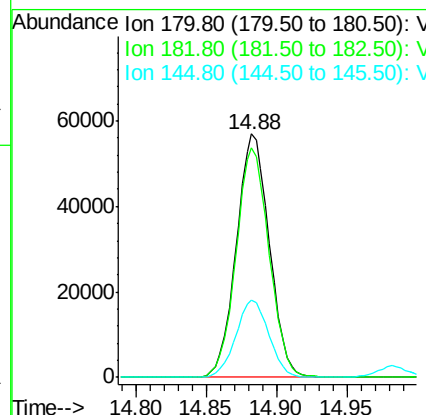
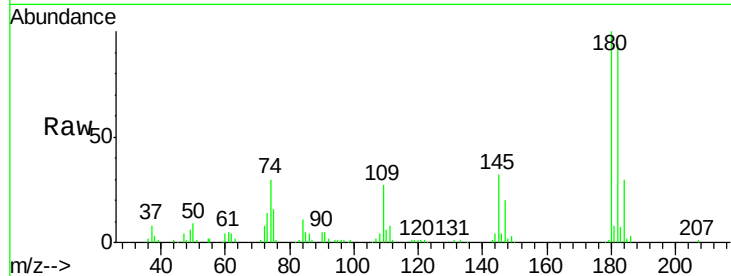
#93
 1,2,4-Trichlorobenzene
 Concen: 50.002 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	47.0	141.2	
145	31.6	15.8	47.3	

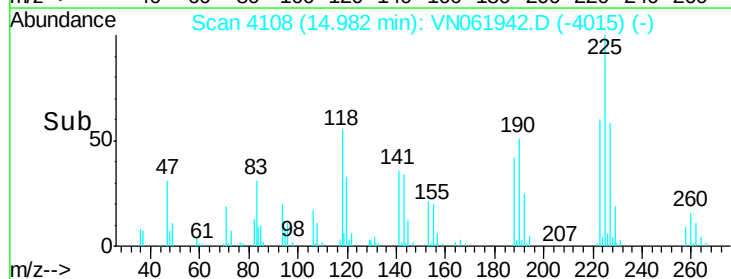
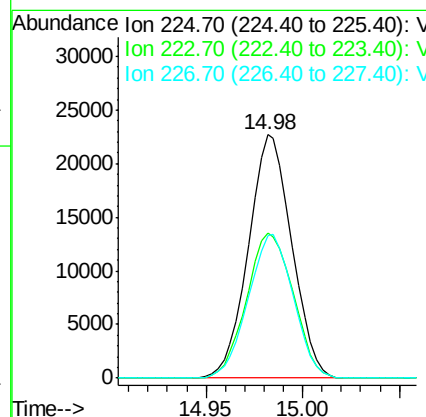
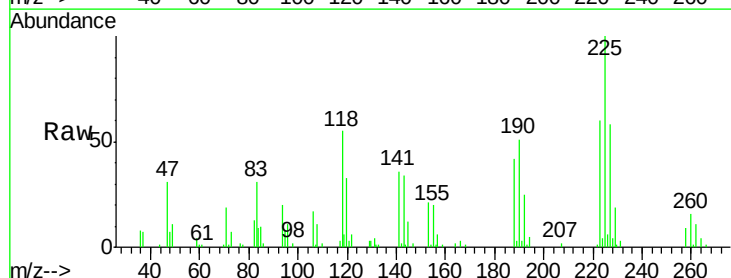
Manual Integrations
 APPROVED

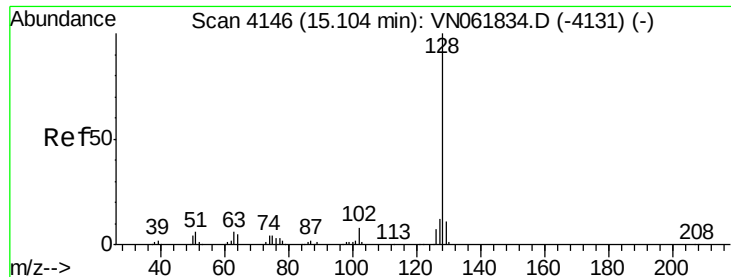
MMDadoda
 6/19/2020 1:02:10 PM



#94
 Hexachlorobutadiene
 Concen: 48.281 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061942.D
 Acq: 19 Jun 2020 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.9	31.7	95.1	
227	61.2	30.1	90.3	





#95

Naphthalene

Concen: 45.464 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Instrument :

MSVOA_N

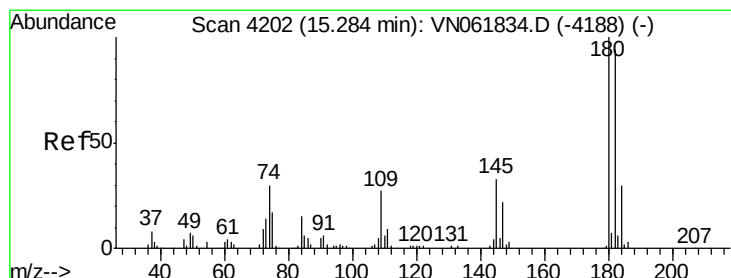
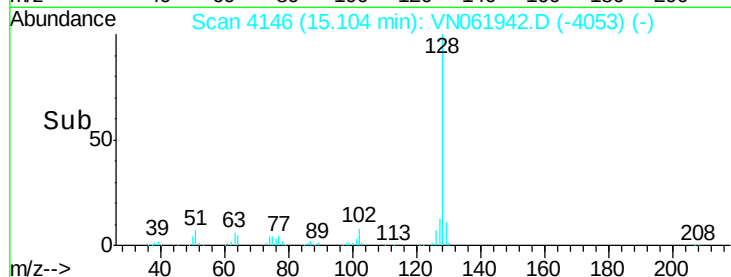
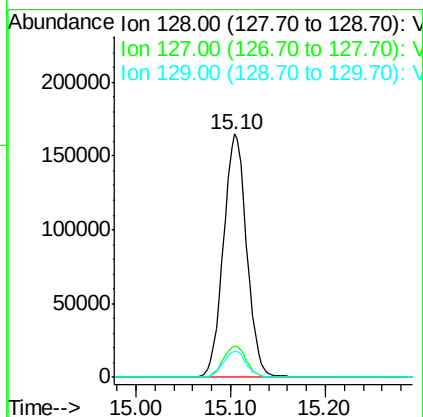
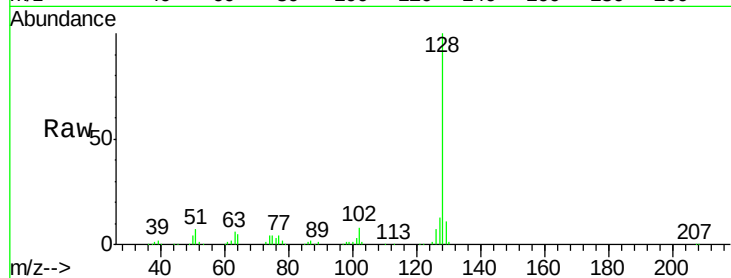
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	281818
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/19/2020 1:02:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.838 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061942.D

Acq: 19 Jun 2020 9:18

Tgt Ion:	180	Resp:	97590
Ion Ratio		Lower	Upper
180	100		
182	92.9	47.9	143.6
145	33.2	16.5	49.5

