

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061944.D
 Acq On : 19 Jun 2020 11:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 1:25:05 PM

Quant Time: Jun 20 07:50:28 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	7.62	168	186326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	313212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	295659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	147451	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	112267	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
35) Dibromofluoromethane	7.54	113	93776	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
50) Toluene-d8	10.06	98	373368	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
62) 4-Bromofluorobenzene	12.37	95	130722	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	119747	49.396	ug/l	98
3) Chloromethane	2.03	50	117332	45.367	ug/l	99
4) Vinyl Chloride	2.16	62	146851	47.629	ug/l	100
5) Bromomethane	2.52	94	105031	44.361	ug/l	97
6) Chloroethane	2.66	64	96994	46.483	ug/l	98
7) Trichlorofluoromethane	2.98	101	178316	48.418	ug/l	99
8) Diethyl Ether	3.37	74	62724	50.661	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	95283	50.430	ug/l	99
10) Methyl Iodide	3.91	142	118942	51.931	ug/l	99
11) Tert butyl alcohol	4.73	59	75117	217.228	ug/l	97
12) 1,1-Dichloroethene	3.69	96	93630	49.457	ug/l	99
13) Acrolein	3.56	56	55394	268.025	ug/l	99
14) Allyl chloride	4.27	41	125038	49.764	ug/l	98
15) Acrylonitrile	4.92	53	210920	246.163	ug/l	99
16) Acetone	3.77	43	217404	294.533	ug/l	100
17) Carbon Disulfide	4.00	76	259753	46.892	ug/l	99
18) Methyl Acetate	4.27	43	101314	47.675	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	310126	49.200	ug/l	100
20) Methylene Chloride	4.50	84	108707	45.204	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	102293	47.042	ug/l	100
22) Diisopropyl ether	5.90	45	284596	49.525	ug/l	99
23) Vinyl Acetate	5.84	43	1137011	251.570	ug/l	99
24) 1,1-Dichloroethane	5.79	63	181288	48.192	ug/l	97
25) 2-Butanone	6.78	43	279470	259.505	ug/l	98
26) 2,2-Dichloropropane	6.77	77	160649	50.760	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	120730	48.118	ug/l	98
28) Bromochloromethane	7.15	49	86025	51.361	ug/l	98
29) Tetrahydrofuran	7.16	42	173602	244.945	ug/l	99
30) Chloroform	7.32	83	188167	46.804	ug/l	99
31) Cyclohexane	7.61	56	153336	46.563	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	163534	47.763	ug/l	99
36) 1,1-Dichloropropene	7.75	75	143104	50.092	ug/l	99
37) Ethyl Acetate	6.88	43	114083	51.137	ug/l	100
38) Carbon Tetrachloride	7.73	117	140562	49.685	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	167965	54.601	ug/l	98
40) Benzene	8.00	78	431968	49.915	ug/l	98
41) Methacrylonitrile	7.12	41	49945	52.355	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	147560	50.007	ug/l	100
43) Isopropyl Acetate	8.12	43	197400	52.505	ug/l	100
44) Trichloroethene	8.80	130	112759	49.510	ug/l	100
45) 1,2-Dichloropropane	9.08	63	108986	51.246	ug/l	100
46) Dibromomethane	9.17	93	74527	49.764	ug/l	99
47) Bromodichloromethane	9.37	83	155494	50.705	ug/l	98
48) Methyl methacrylate	9.17	41	90235	52.777	ug/l	97
49) 1,4-Dioxane	9.17	88	38621	983.886	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	581794	261.870	ug/l	100
52) Toluene	10.12	92	284024	52.258	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	172857	53.098	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	188153	53.212	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	110477	51.664	ug/l	99
56) Ethyl methacrylate	10.40	69	156625	48.070	ug/l	98
57) 1,3-Dichloropropane	10.68	76	187607	51.786	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	238158	211.026	ug/l	98
59) 2-Hexanone	10.72	43	439025	247.490	ug/l	99
60) Dibromochloromethane	10.87	129	121493	50.917	ug/l	99
61) 1,2-Dibromoethane	10.98	107	112073	50.192	ug/l	100
64) Tetrachloroethene	10.60	164	94255	50.018	ug/l	99
65) Chlorobenzene	11.40	112	301667	48.354	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	107030	49.191	ug/l	98
67) Ethyl Benzene	11.48	91	535774	51.221	ug/l	100
68) m/p-Xylenes	11.59	106	419593	104.030	ug/l	99
69) o-Xylene	11.92	106	198462	51.570	ug/l	98
70) Styrene	11.94	104	339470	52.682	ug/l	100
71) Bromoform	12.10	173	79873	50.346	ug/l #	100
73) Isopropylbenzene	12.22	105	526536	50.251	ug/l	99
74) N-amyl acetate	12.04	43	178428	47.205	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	163408	47.967	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	128048m	44.233	ug/l	
77) Bromobenzene	12.50	156	126346	47.795	ug/l	98
78) n-propylbenzene	12.56	91	607372	50.801	ug/l	100
79) 2-Chlorotoluene	12.65	91	352596	49.104	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	442859	51.087	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	55019	51.837	ug/l	99
82) 4-Chlorotoluene	12.75	91	371488	50.067	ug/l	99
83) tert-Butylbenzene	12.97	119	363319	49.437	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	438879	51.288	ug/l	100
85) sec-Butylbenzene	13.15	105	500021	51.982	ug/l	99
86) p-Isopropyltoluene	13.26	119	450005	52.501	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	233665	48.465	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	232832	47.178	ug/l	99
89) n-Butylbenzene	13.59	91	384844	53.762	ug/l	99
90) Hexachloroethane	13.85	117	80008	50.993	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	224410	48.348	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	26981	48.786	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	113213	51.690	ug/l	99
94) Hexachlorobutadiene	14.98	225	48593	56.331	ug/l	98
95) Naphthalene	15.10	128	318230	43.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	111033	51.188	ug/l	99

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

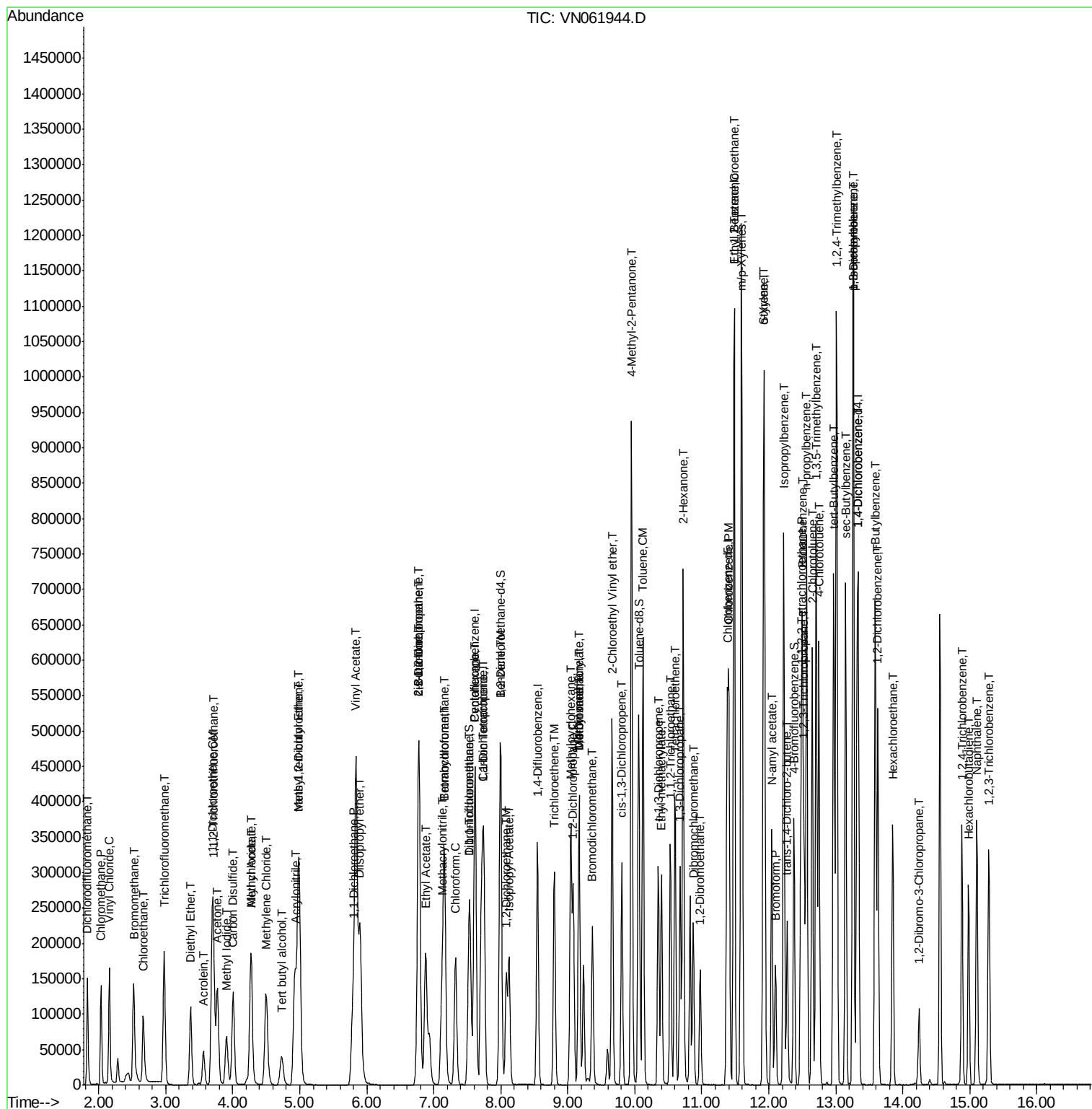
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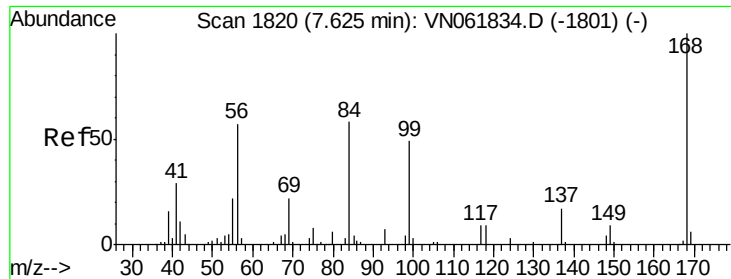
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 186326

Ion Ratio Lower Upper

168 100

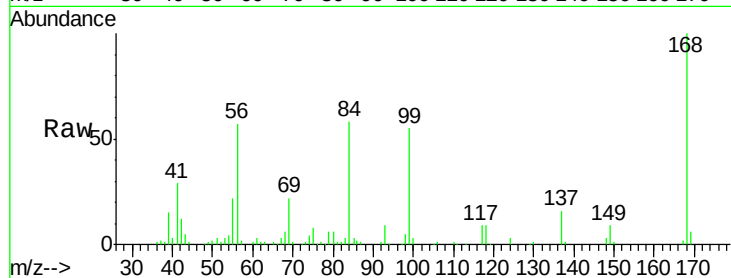
99 55.1 44.6 67.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

60000

40000

20000

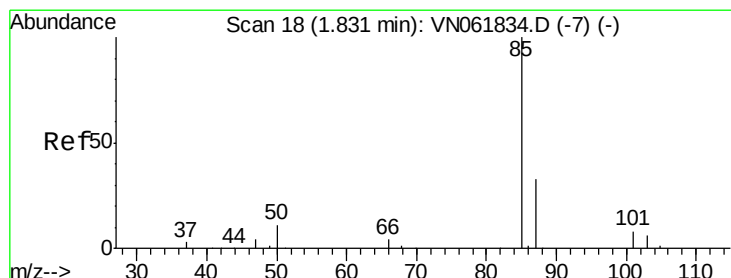
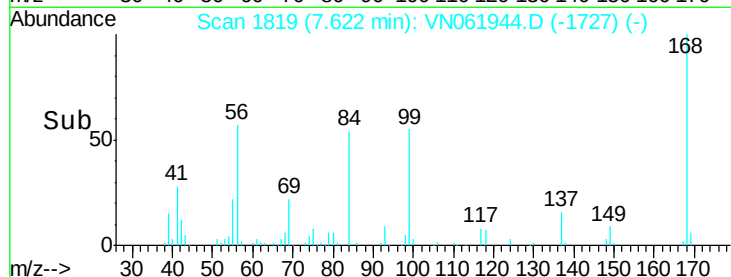
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.396 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061944.D

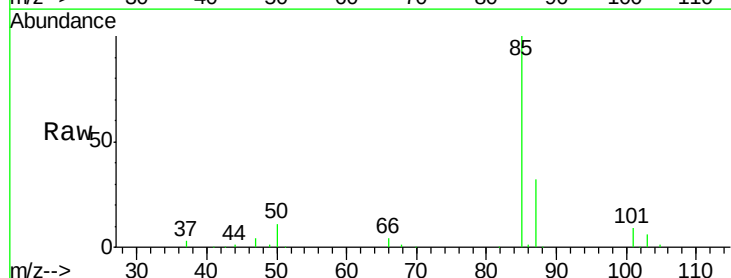
Acq: 19 Jun 2020 11:18

Tgt Ion: 85 Resp: 119747

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

40000

20000

0

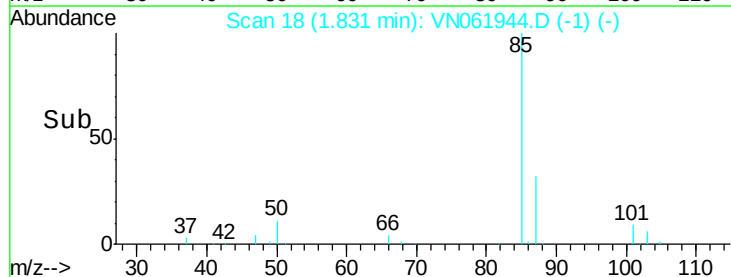
1.75

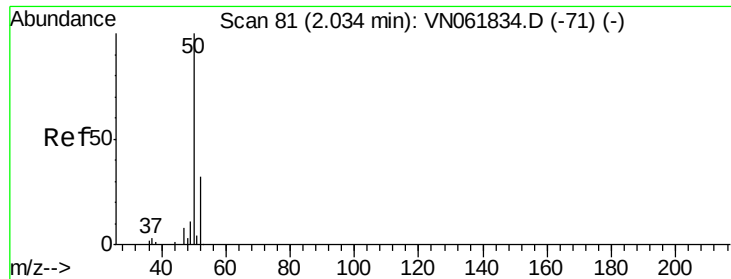
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 45.367 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 117332

Ion Ratio Lower Upper

50 100

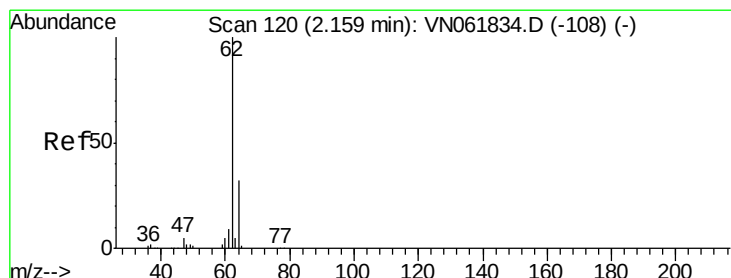
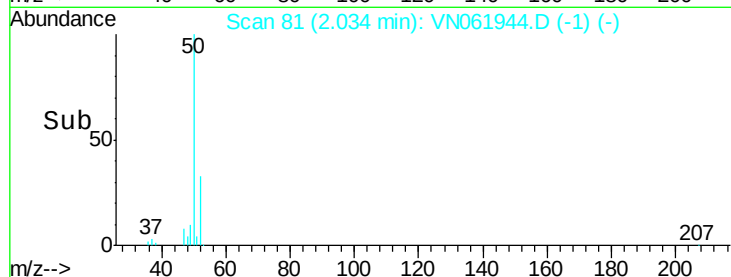
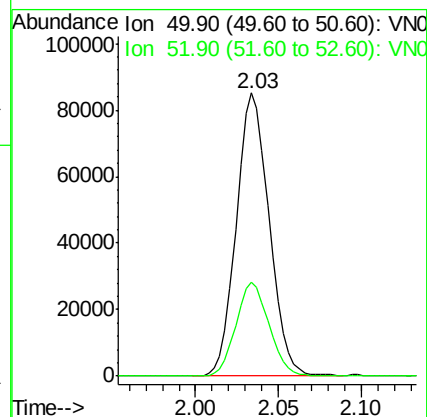
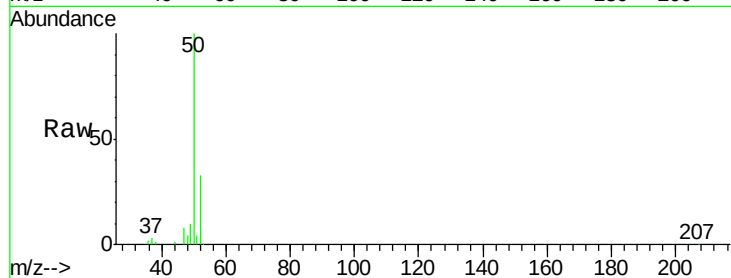
52 33.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.629 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061944.D

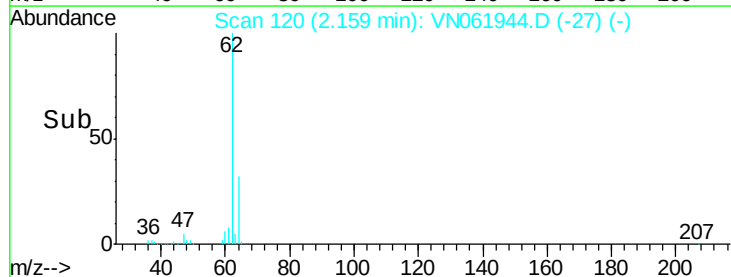
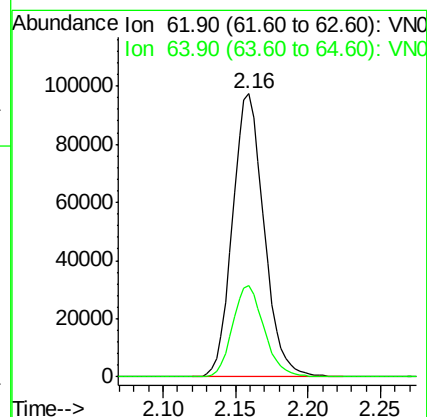
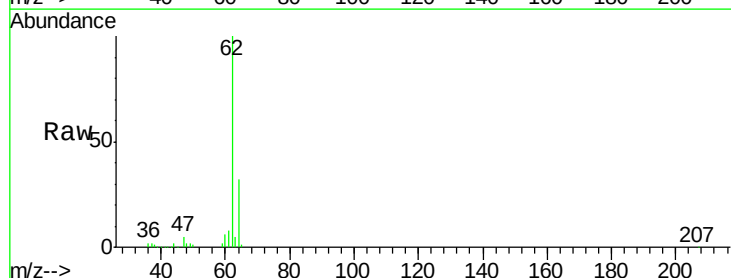
Acq: 19 Jun 2020 11:18

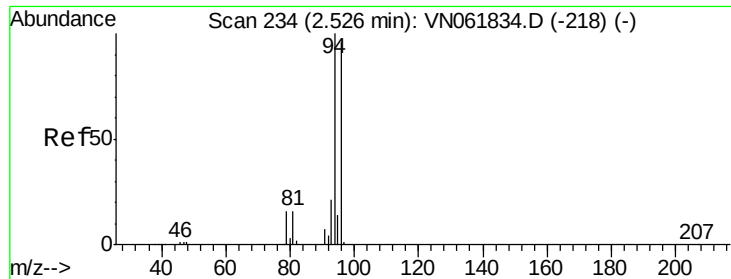
Tgt Ion: 62 Resp: 146851

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 44.361 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 105031

Ion Ratio Lower Upper

94 100

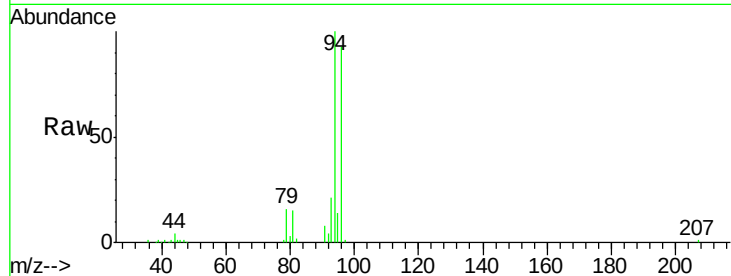
96 93.1 76.7 115.1

Manual Integrations

APPROVED

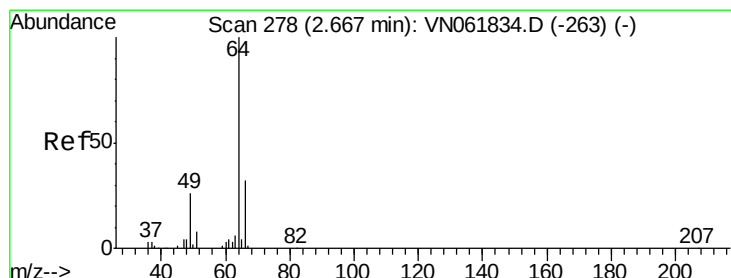
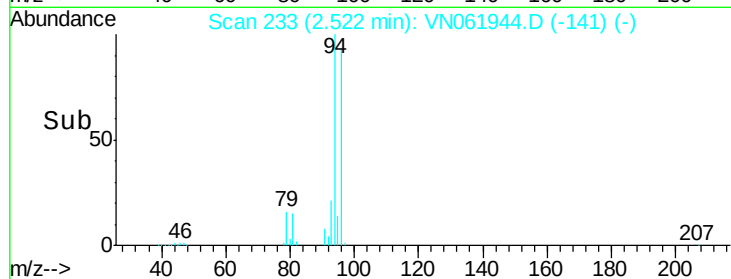
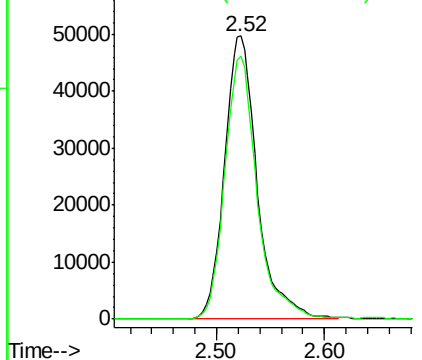
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.483 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN061944.D

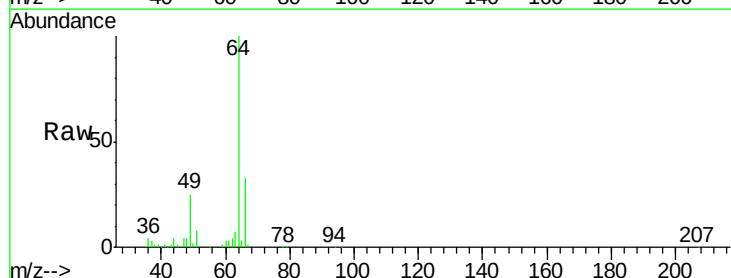
Acq: 19 Jun 2020 11:18

Tgt Ion: 64 Resp: 96994

Ion Ratio Lower Upper

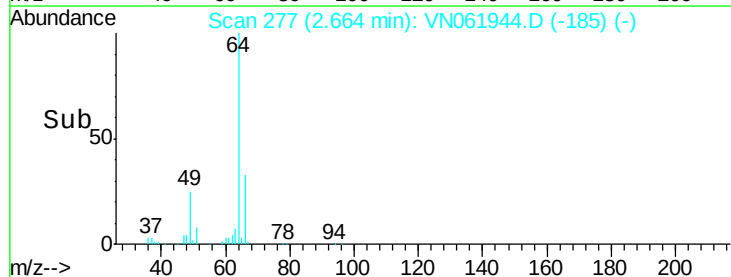
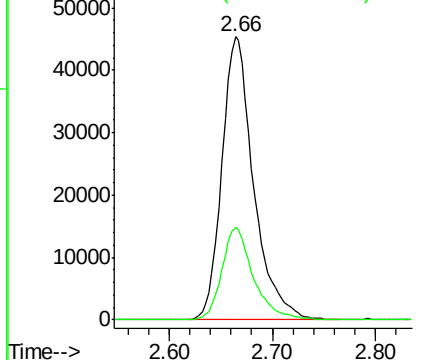
64 100

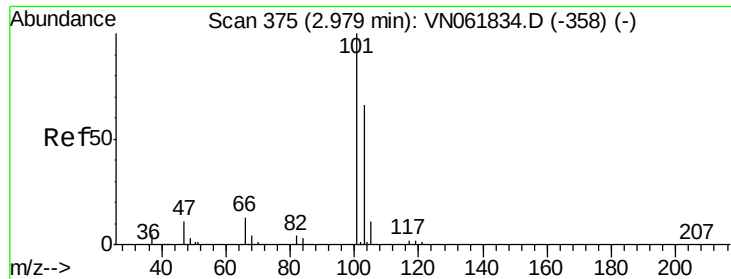
66 32.8 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

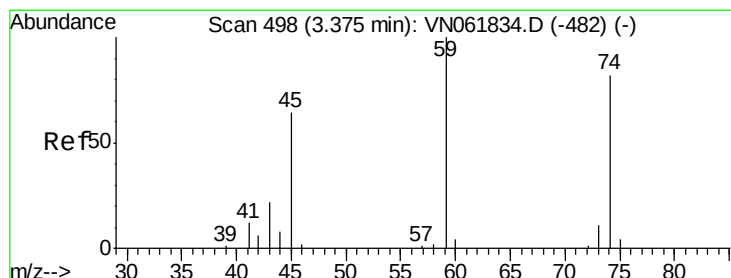
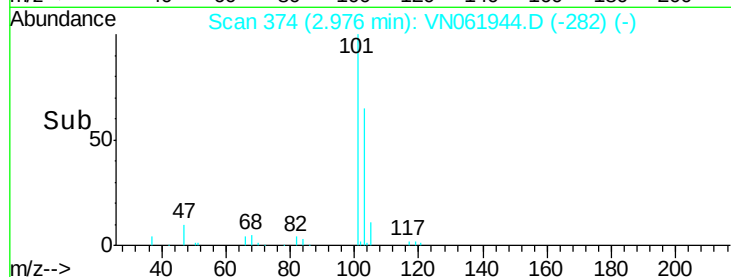
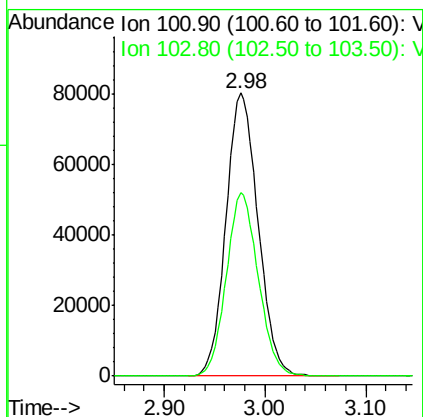
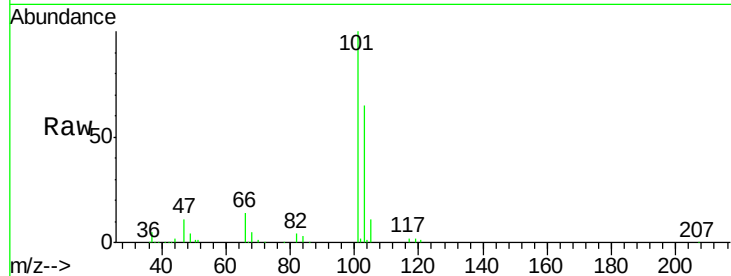
Trichlorofluoromethane
Concen: 48.418 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061944.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.8	79.2

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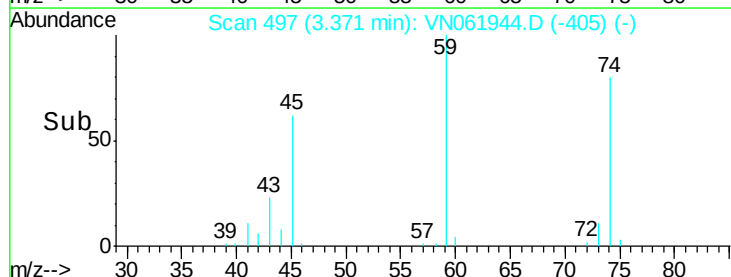
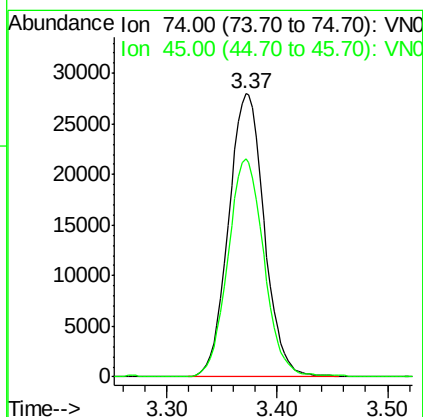
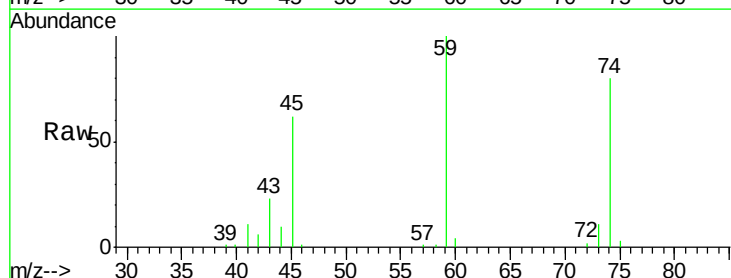
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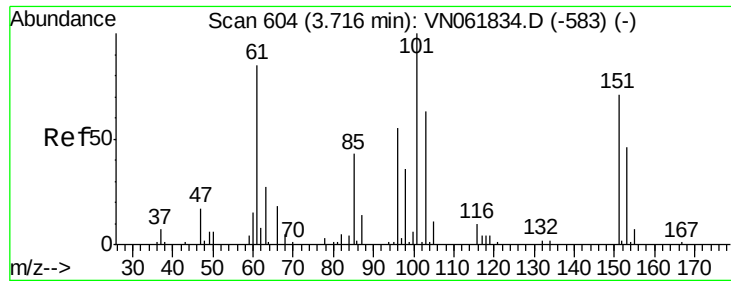


#8

Diethyl Ether
Concen: 50.661 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.9	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.430 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061944.D

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MSVOA_N

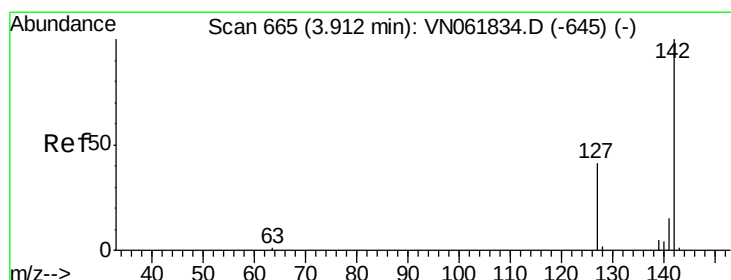
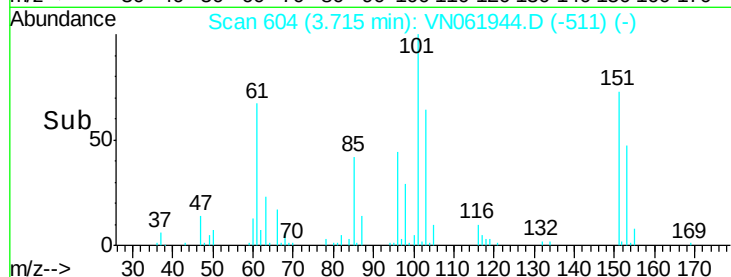
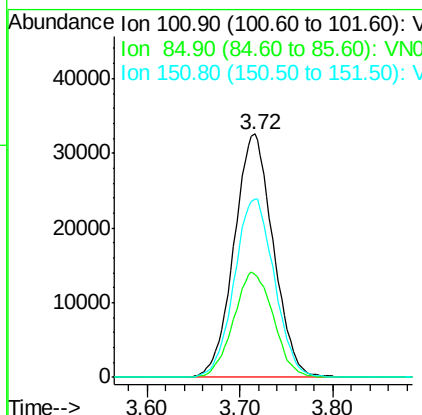
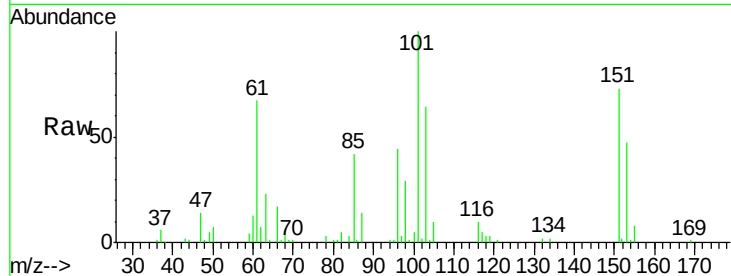
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	95283
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.0	52.6
151	74.9	59.2	88.8

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#10

Methyl Iodide

Concen: 51.931 ug/l

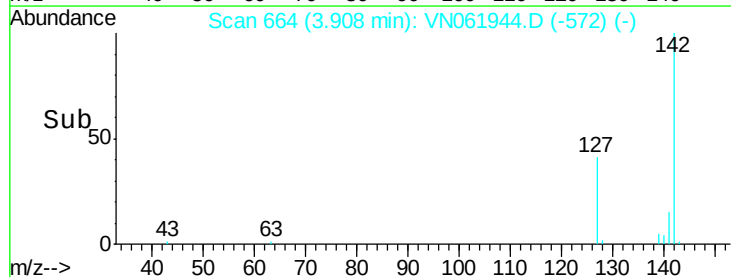
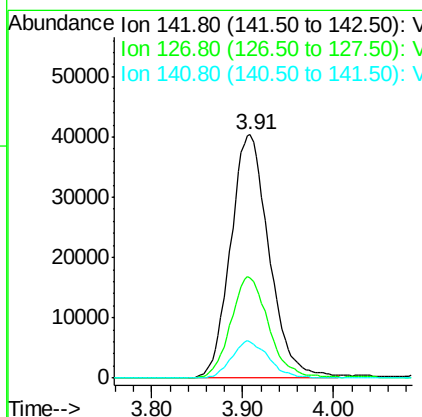
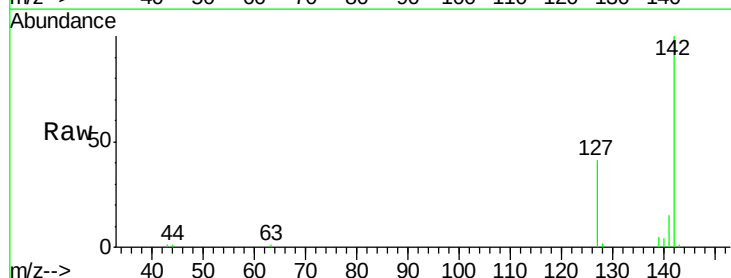
RT: 3.91 min Scan# 664

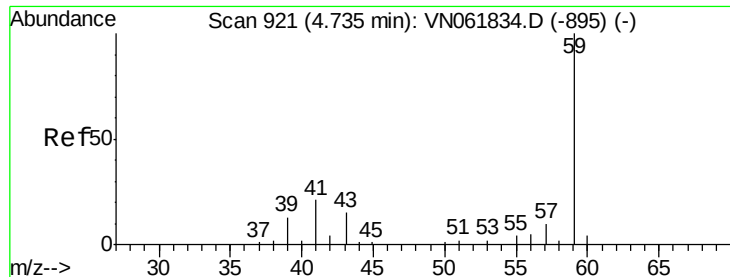
Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Tgt Ion:	142	Resp:	118942
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.4	50.0
141	14.6	11.3	16.9





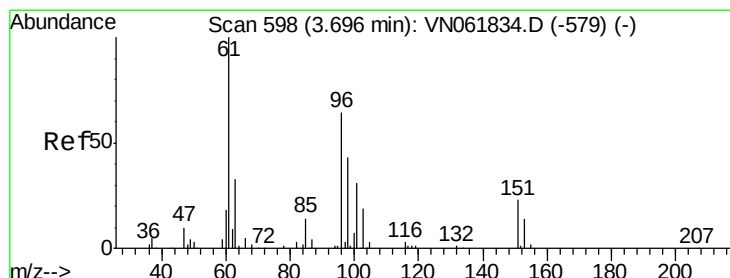
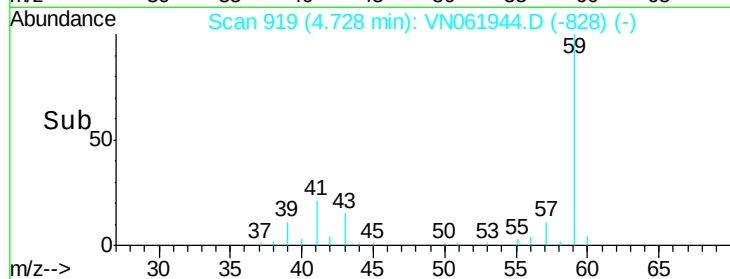
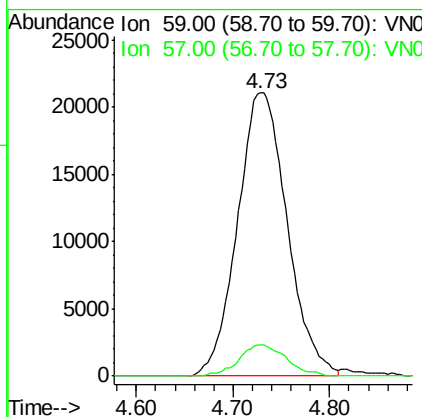
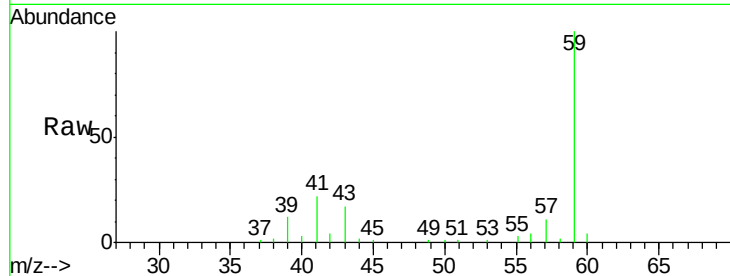
#11
Tert butyl alcohol
Concen: 217.228 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 75117
Ion Ratio Lower Upper
59 100
57 10.6 7.7 11.5

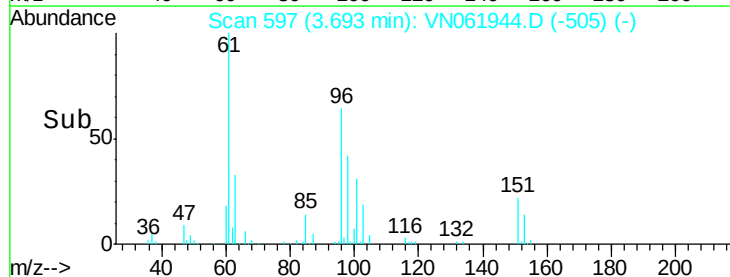
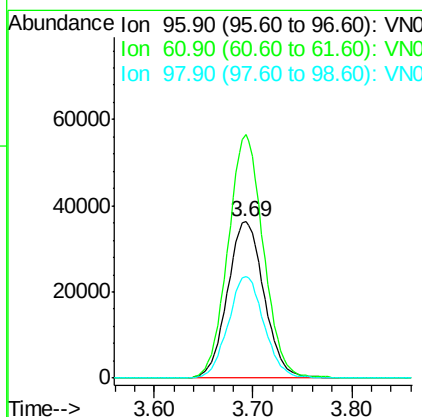
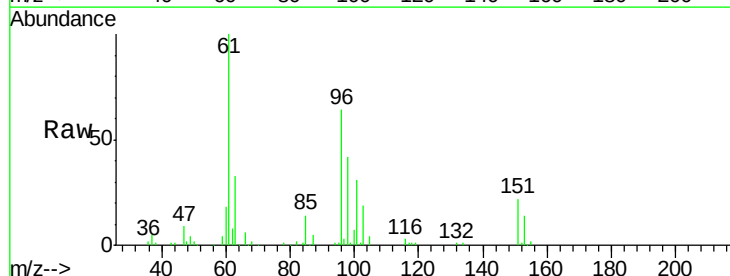
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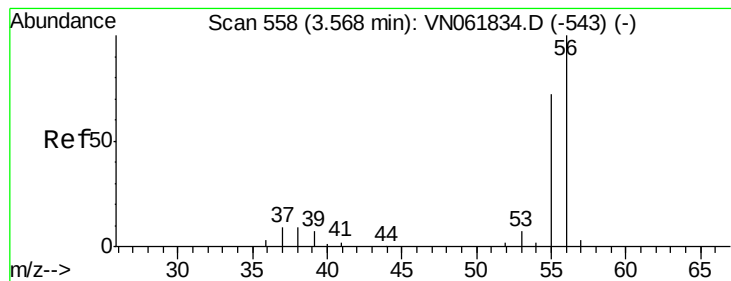
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.457 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion: 96 Resp: 93630
Ion Ratio Lower Upper
96 100
61 155.9 124.3 186.5
98 65.2 53.1 79.7





#13

Acrolein

Concen: 268.025 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.01 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 55394

Ion Ratio Lower Upper

56 100

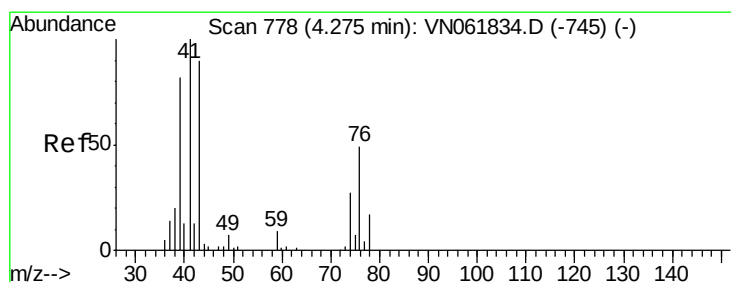
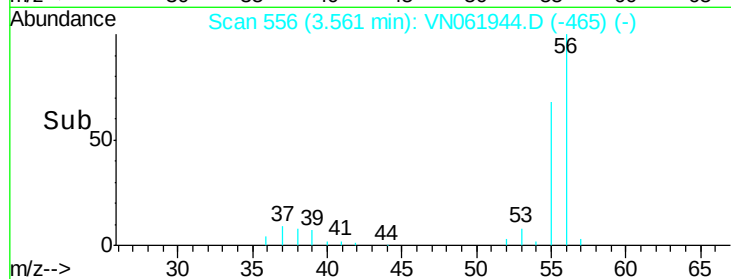
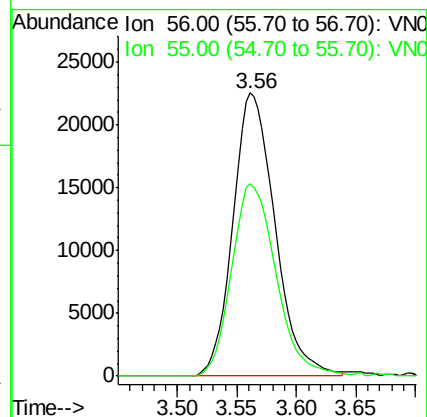
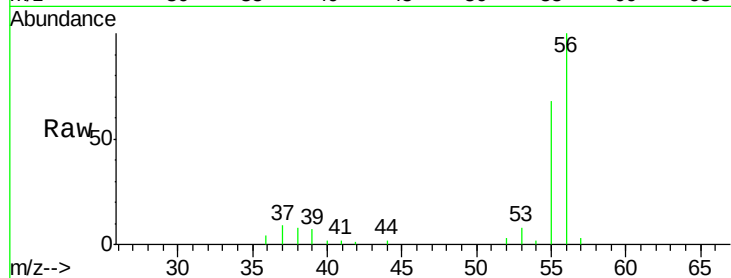
55 71.5 56.2 84.4

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#14

Allyl chloride

Concen: 49.764 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

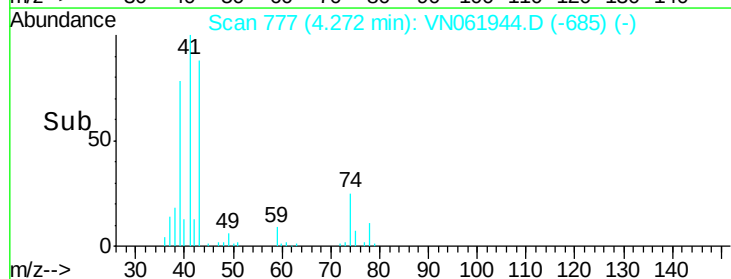
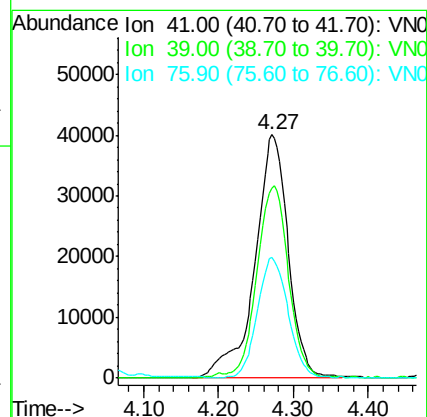
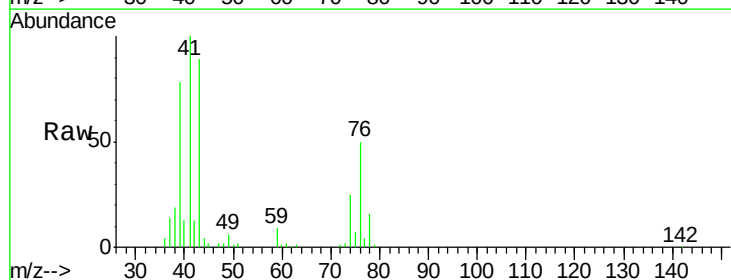
Tgt Ion: 41 Resp: 125038

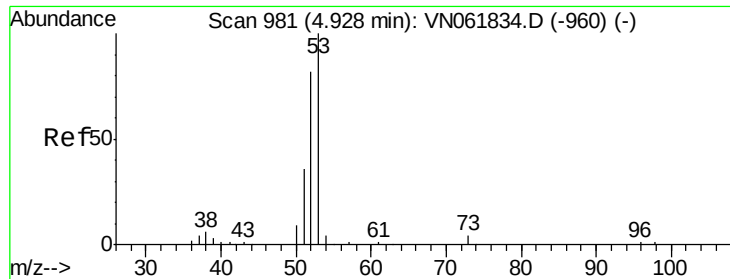
Ion Ratio Lower Upper

41 100

39 73.2 60.2 90.2

76 45.7 36.3 54.5





#15

Acrylonitrile

Concen: 246.163 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

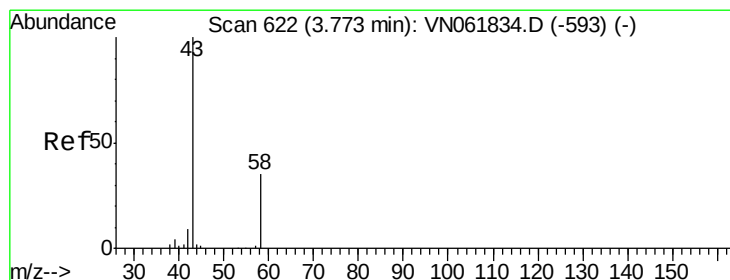
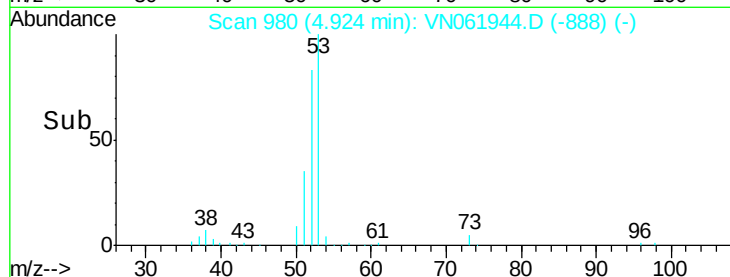
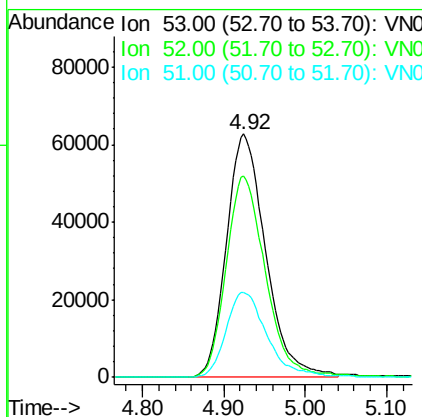
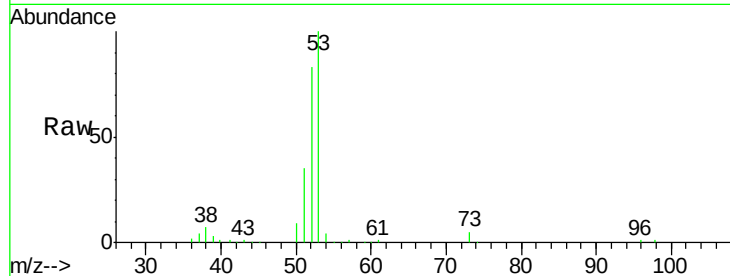
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	210920
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.2	97.8
51	36.5	29.3	43.9

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#16

Acetone

Concen: 294.533 ug/l

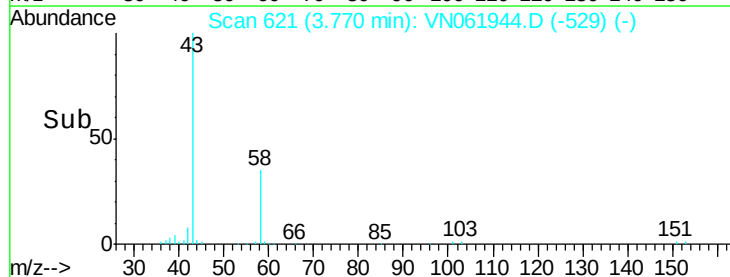
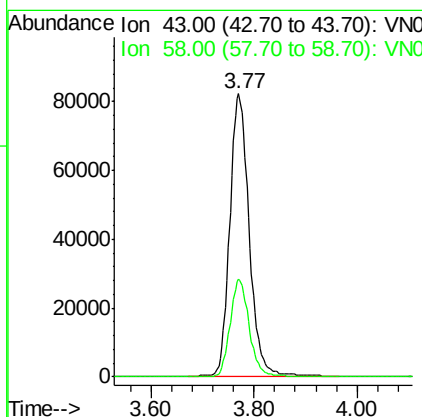
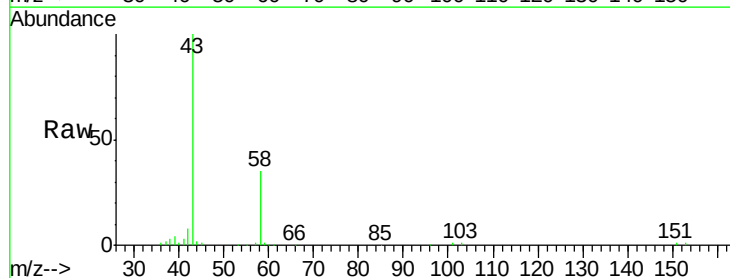
RT: 3.77 min Scan# 621

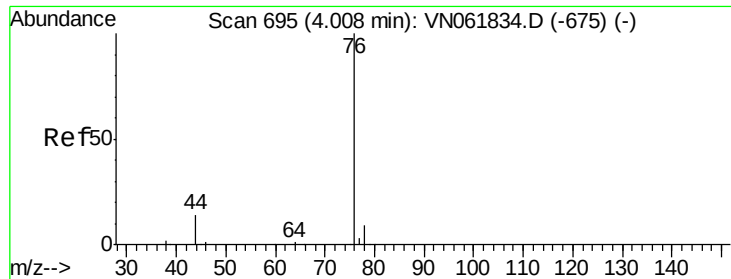
Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Tgt Ion:	43	Resp:	217404
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.8	41.8





#17

Carbon Disulfide

Concen: 46.892 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 259753

Ion Ratio Lower Upper

76 100

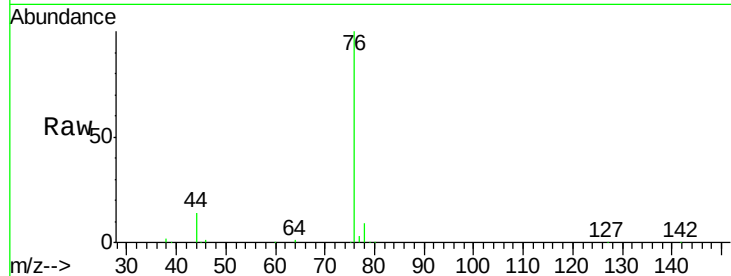
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN061834.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061834.D (-675) (-)

4.00

100000

80000

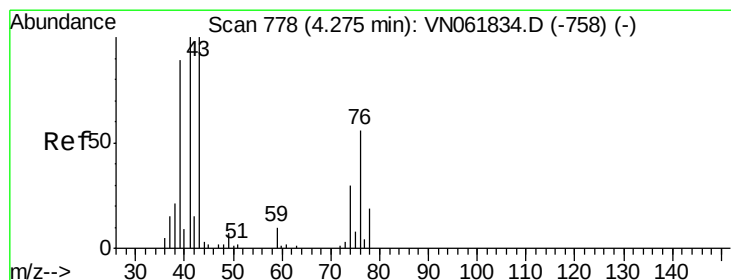
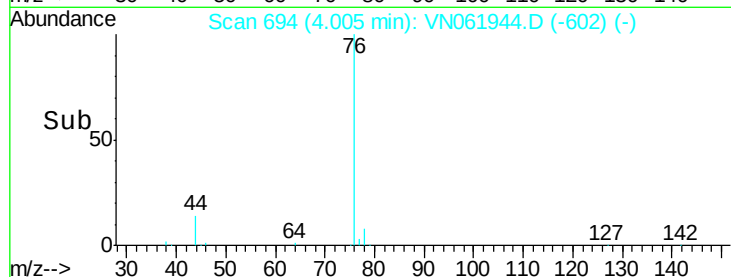
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 47.675 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061944.D

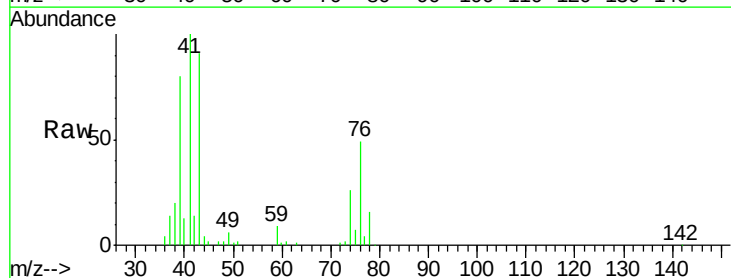
Acq: 19 Jun 2020 11:18

Tgt Ion: 43 Resp: 101314

Ion Ratio Lower Upper

43 100

74 28.9 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061834.D (-758) (-)

4.27

40000

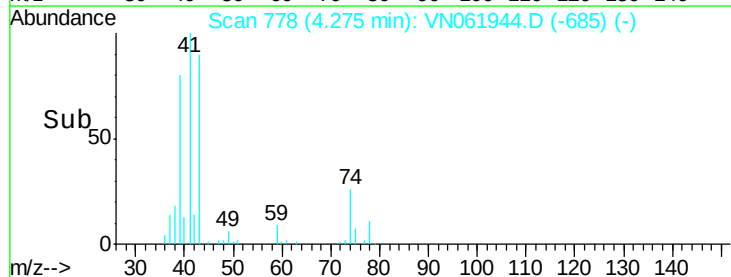
30000

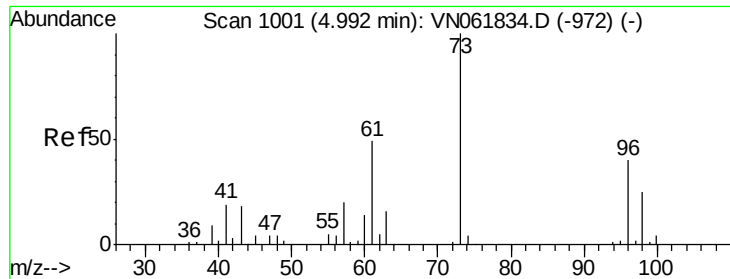
20000

10000

0

Time-->





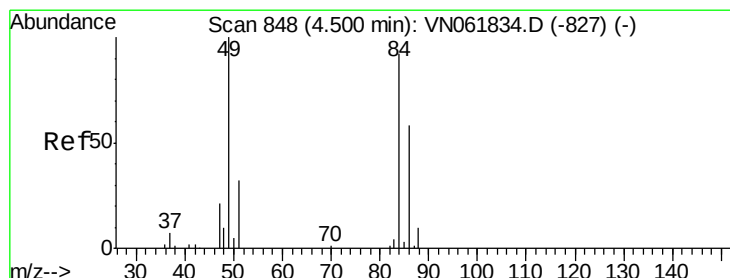
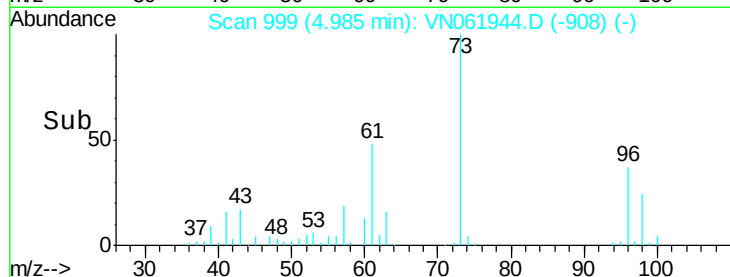
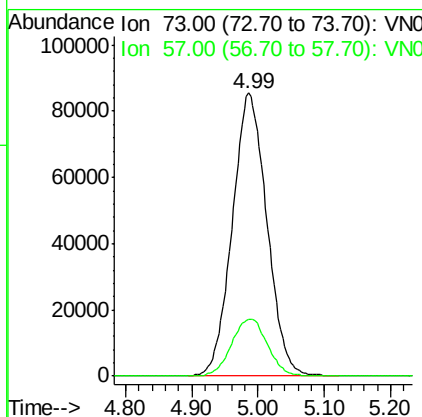
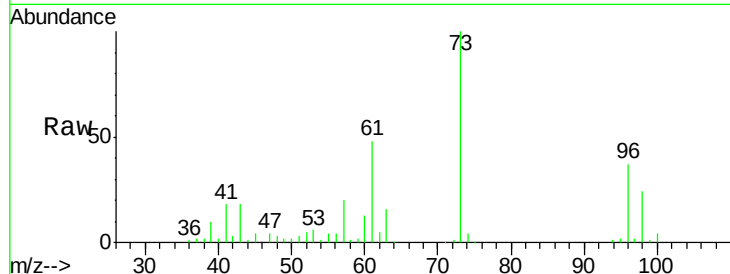
#19
Methyl tert-butyl Ether
Concen: 49.200 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.01 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 310126
Ion Ratio Lower Upper
73 100
57 20.1 16.2 24.4

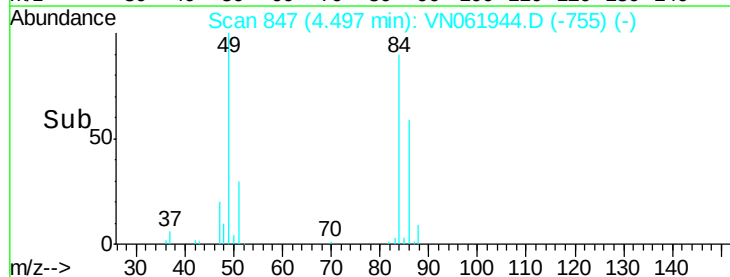
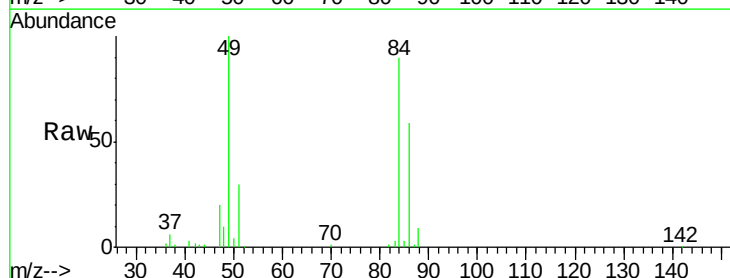
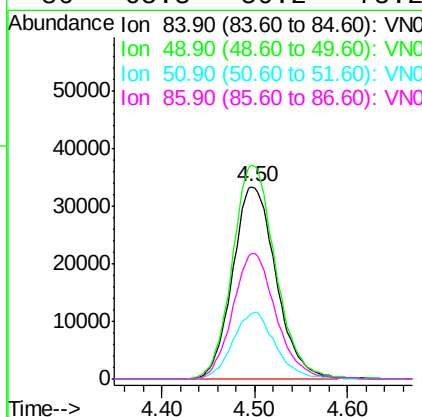
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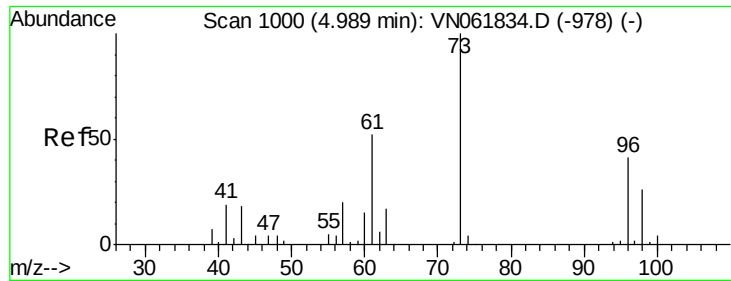
MMDadoda
6/22/2020 1:25:05 PM



#20
Methylene Chloride
Concen: 45.204 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion: 84 Resp: 108707
Ion Ratio Lower Upper
84 100
49 111.1 87.0 130.4
51 33.9 27.8 41.6
86 65.3 50.2 75.2





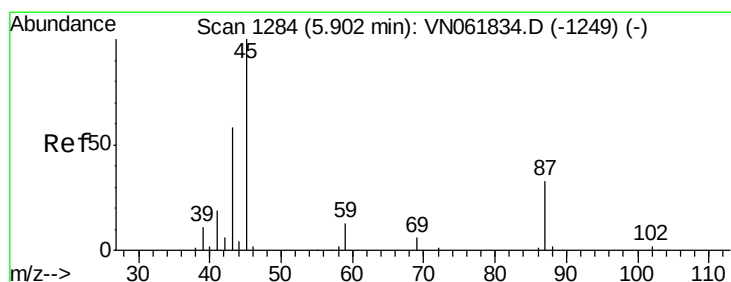
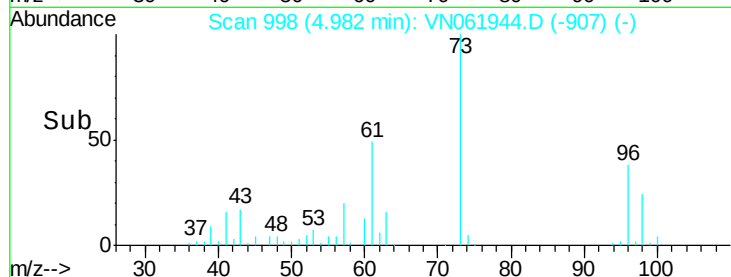
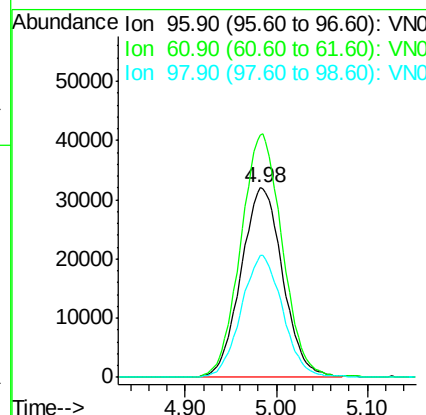
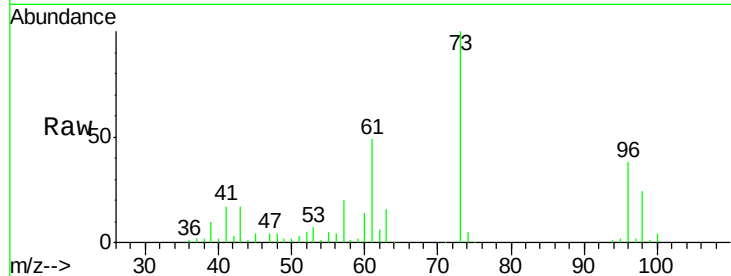
#21
trans-1,2-Dichloroethene
Concen: 47.042 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	102.2	153.4
98	64.0	51.2	76.8

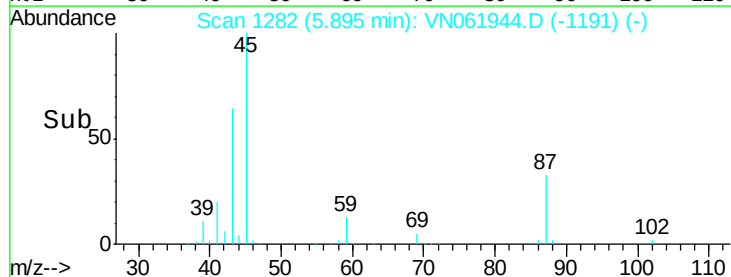
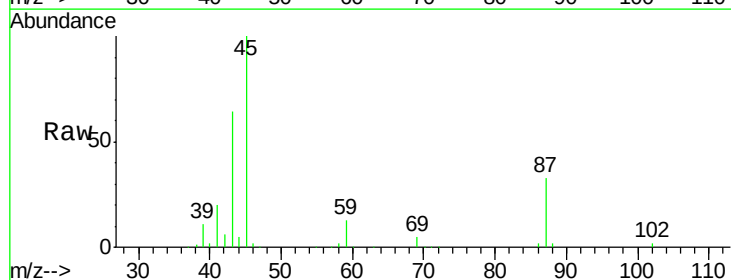
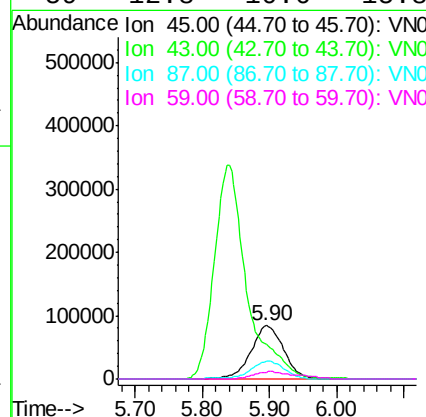
Manual Integrations
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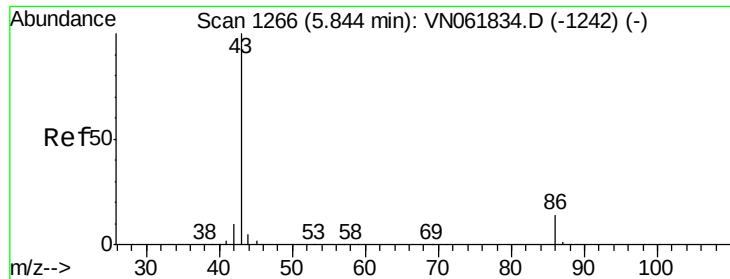
MMDadoda
6/22/2020 1:25:05 PM



#22
Diisopropyl ether
Concen: 49.525 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.5	49.4	74.2
87	32.9	27.4	41.0
59	12.8	10.6	15.8





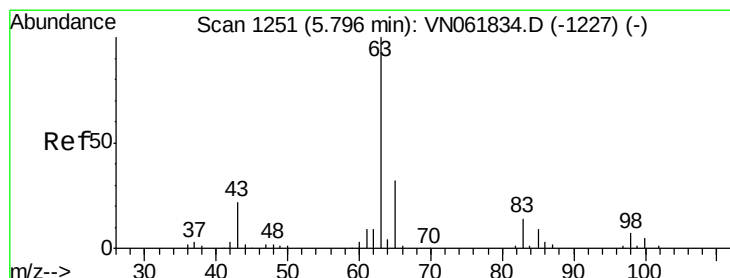
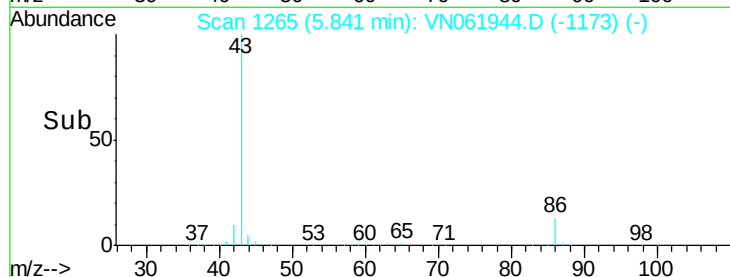
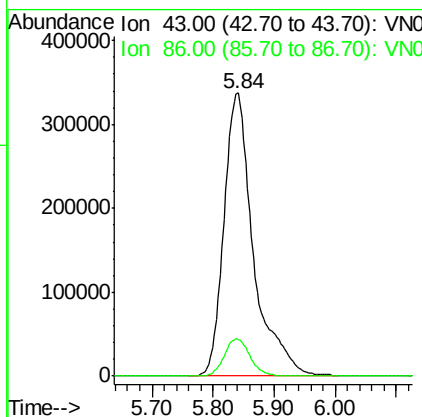
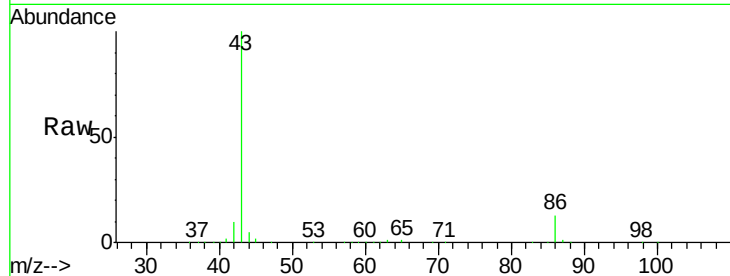
#23
 Vinyl Acetate
 Concen: 251.570 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1137011
 Ion Ratio Lower Upper
 43 100
 86 13.0 10.9 16.3

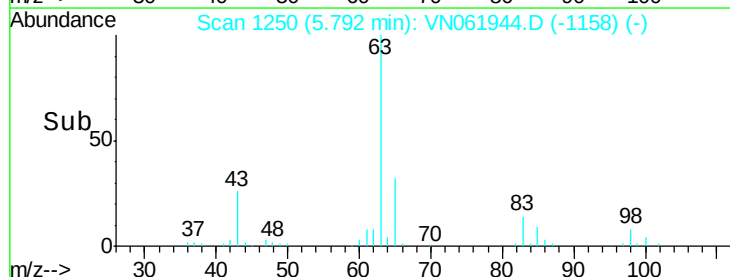
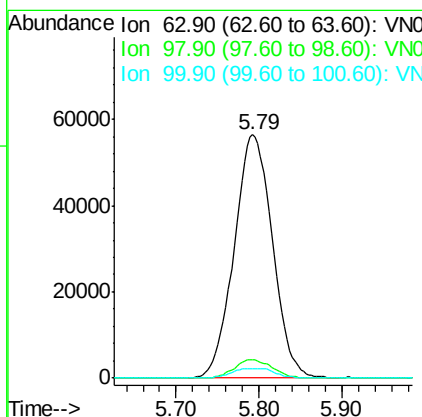
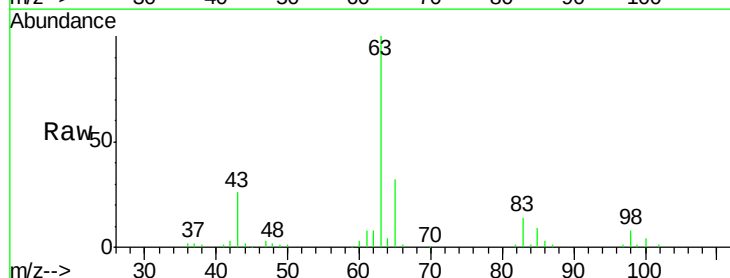
Manual Integrations
 APPROVED

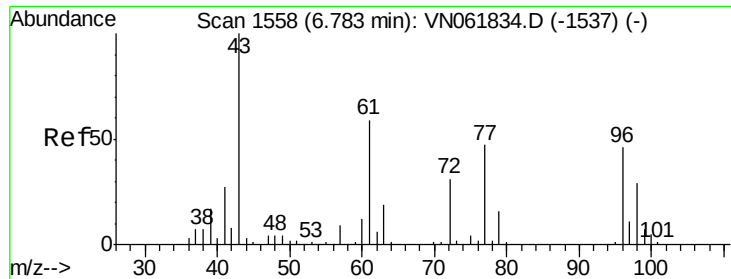
MMDadoda
 6/22/2020 1:25:05 PM



#24
 1,1-Dichloroethane
 Concen: 48.192 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Tgt Ion: 63 Resp: 181288
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.5 10.4
 100 3.9 2.5 7.4





#25

2-Butanone

Concen: 259.505 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 279470

Ion Ratio Lower Upper

43 100

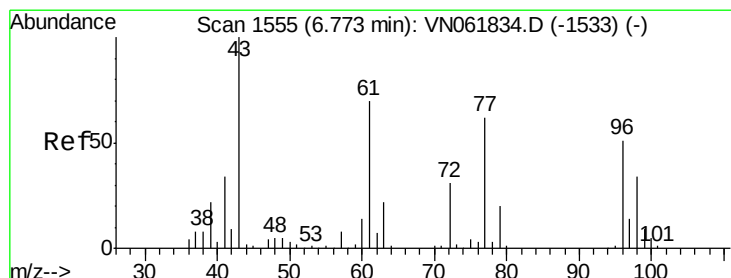
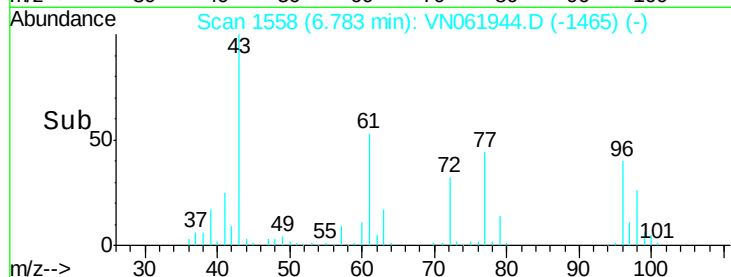
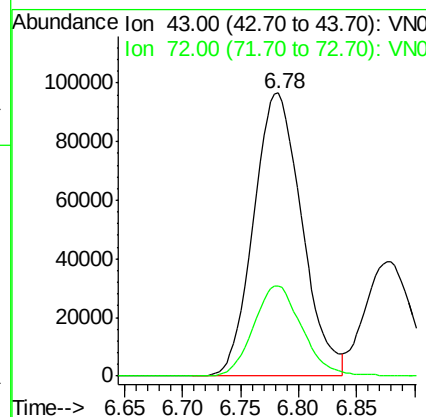
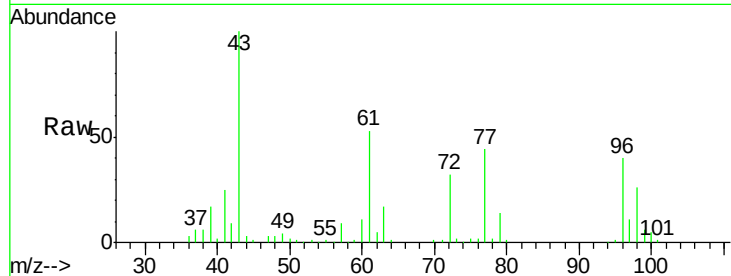
72 32.0 24.6 37.0

Manual Integrations

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MMDadoda

6/22/2020 1:25:05 PM



#26

2,2-Dichloropropane

Concen: 50.760 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VN061944.D

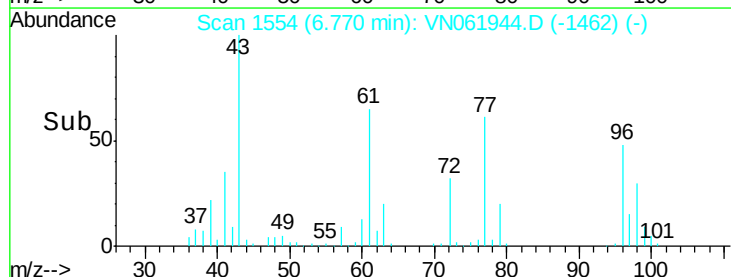
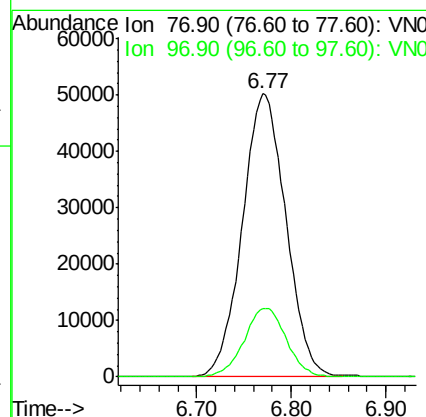
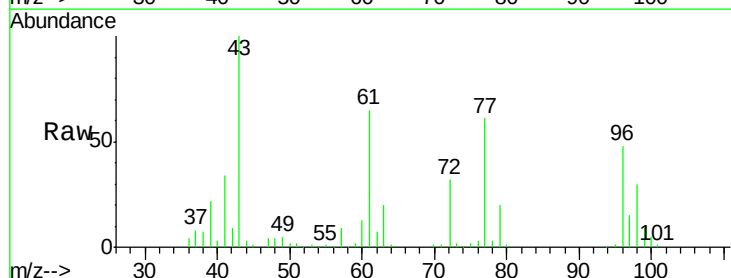
Acq: 19 Jun 2020 11:18

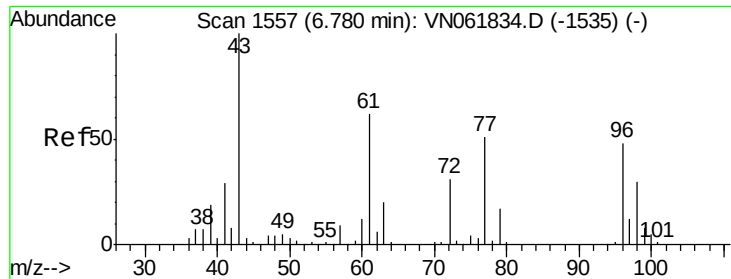
Tgt Ion: 77 Resp: 160649

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 48.118 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

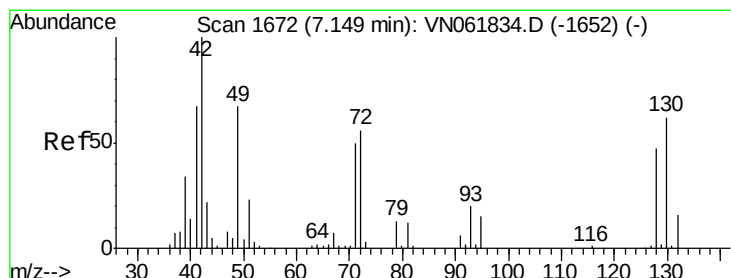
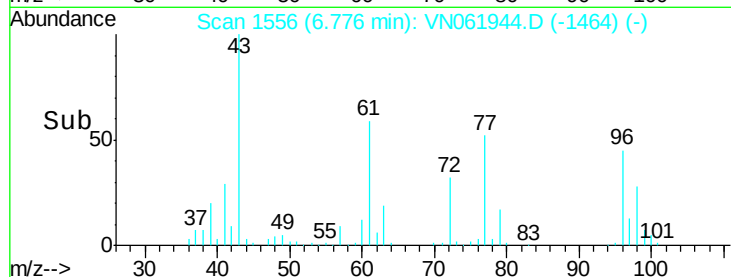
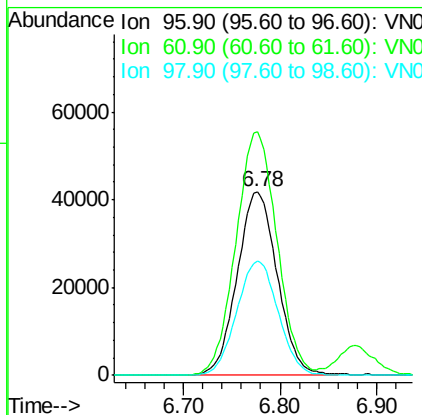
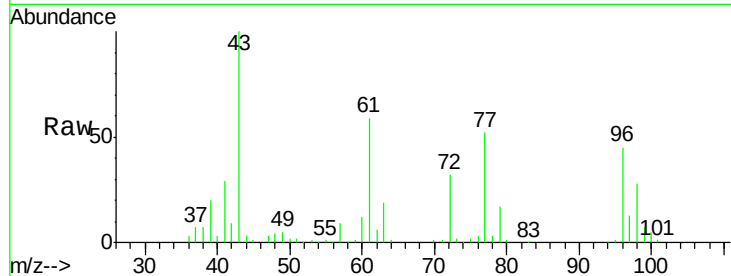
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	120730
Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	265.6
98	64.4	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 51.361 ug/l

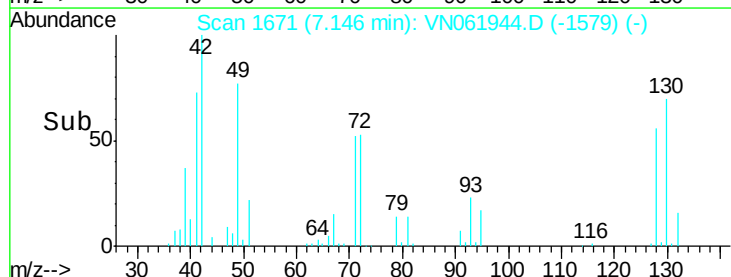
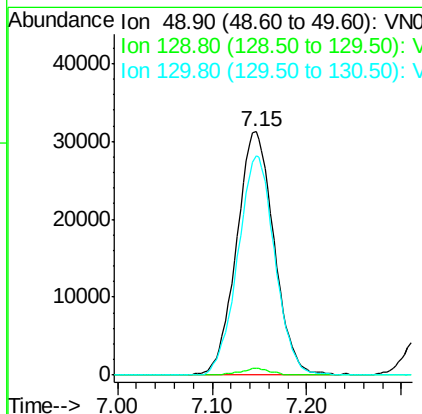
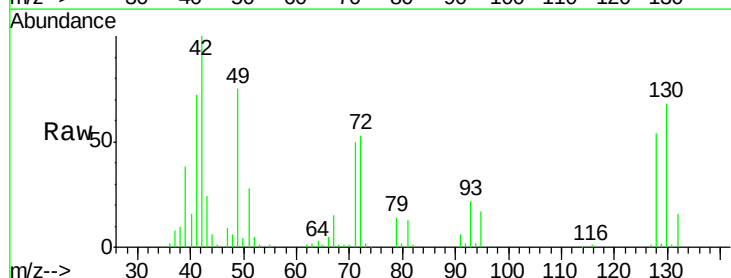
RT: 7.15 min Scan# 1671

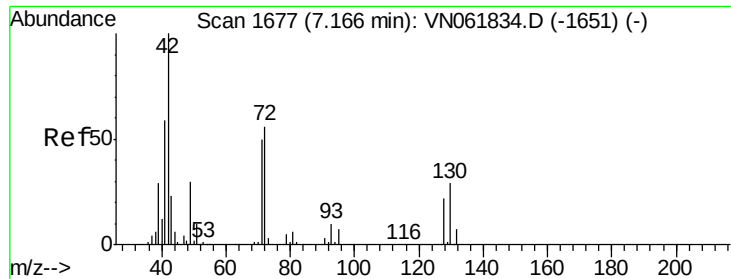
Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Tgt Ion:	49	Resp:	86025
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	88.6	72.2	108.2





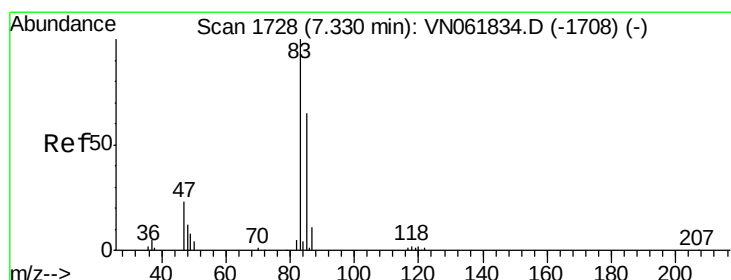
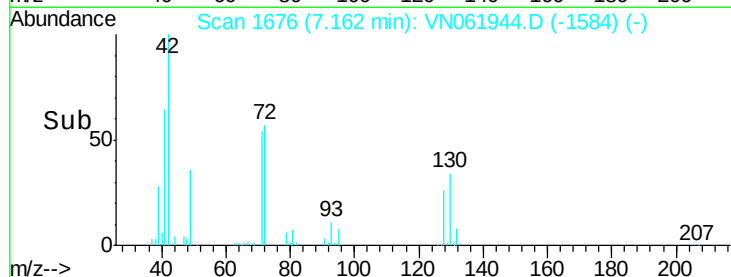
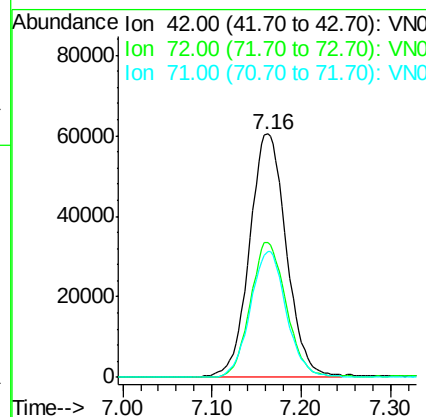
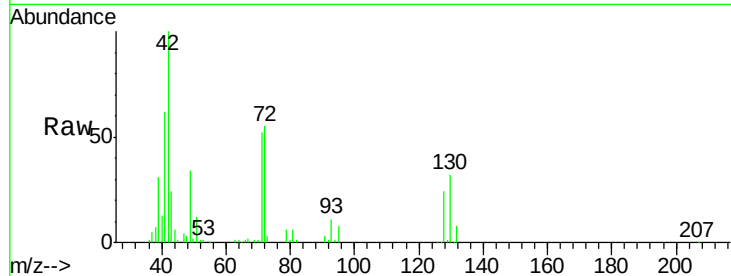
#29
Tetrahydrofuran
Concen: 244.945 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.7	44.0	66.0
71	50.6	40.0	60.0

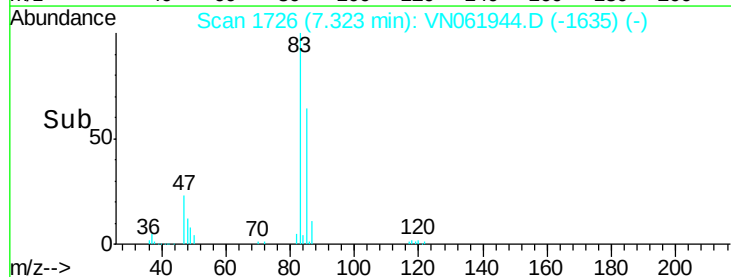
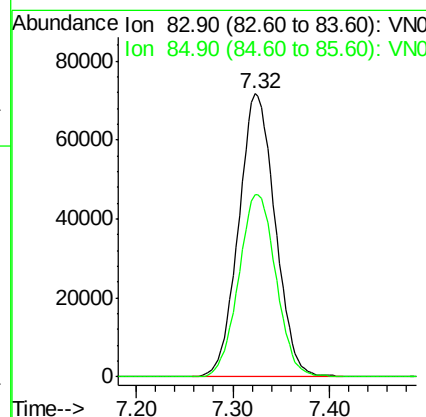
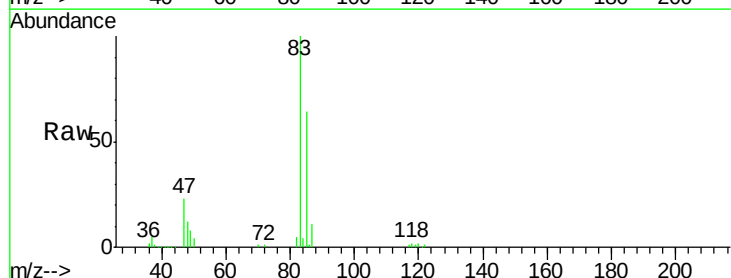
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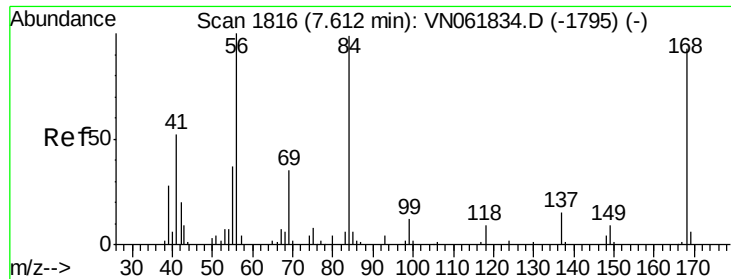
MMDadoda
6/22/2020 1:25:05 PM



#30
Chloroform
Concen: 46.804 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.0	78.0





#31

Cyclohexane

Concen: 46.563 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 153336

Ion Ratio Lower Upper

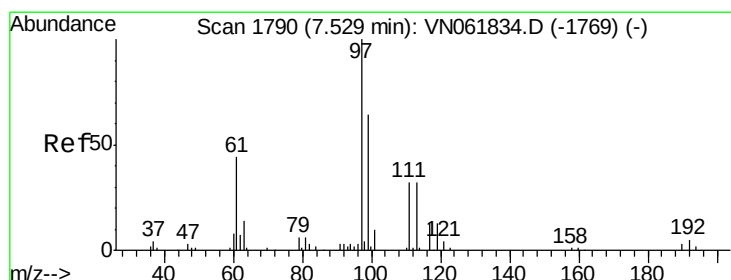
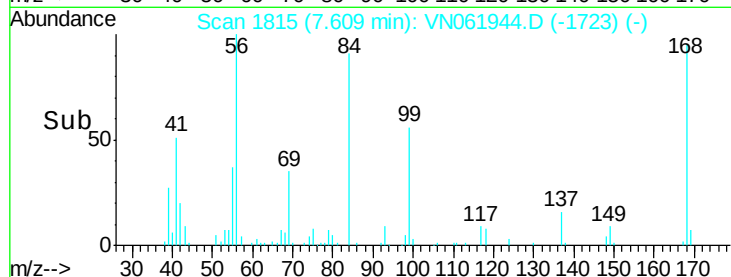
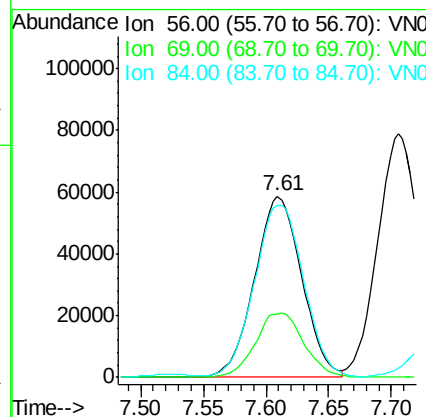
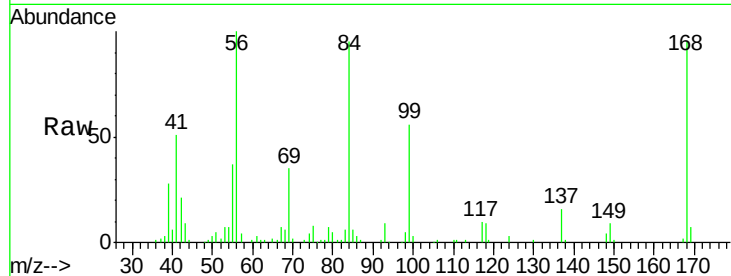
56 100

69 35.0 27.7 41.5

84 94.2 79.1 118.7

Manual Integrations
APPROVED

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6/22/2020 1:25:05 PM



#32

1,1,1-Trichloroethane

Concen: 47.763 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

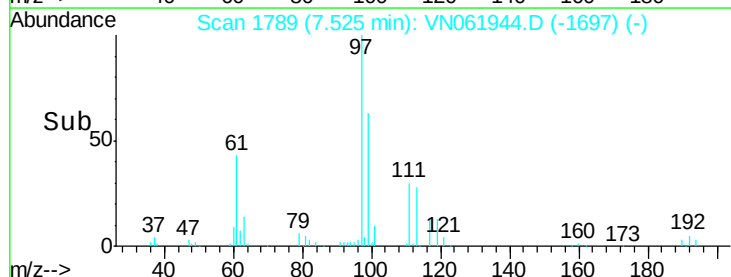
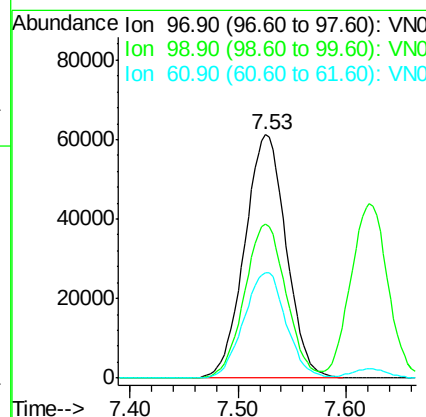
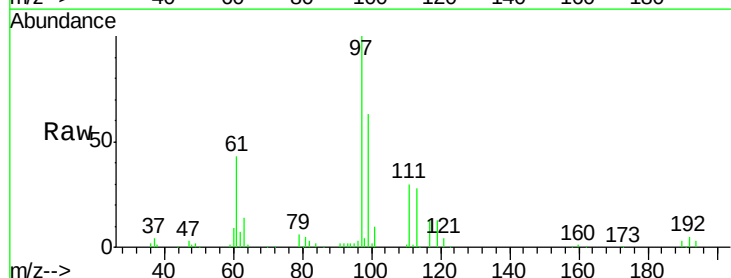
Tgt Ion: 97 Resp: 163534

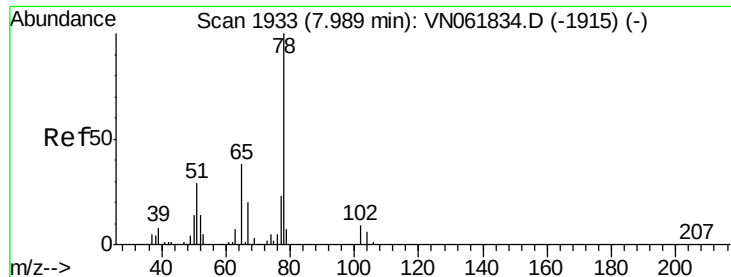
Ion Ratio Lower Upper

97 100

99 63.4 51.5 77.3

61 44.1 35.1 52.7





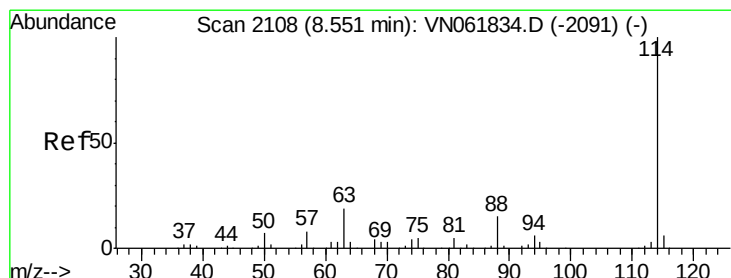
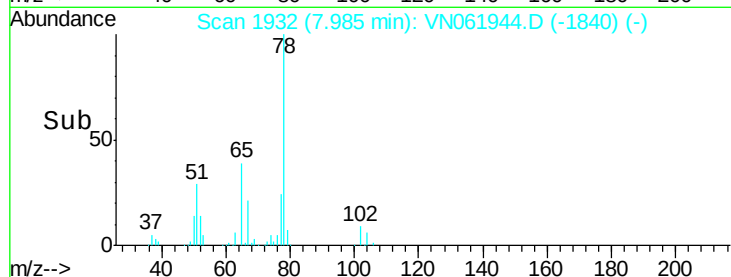
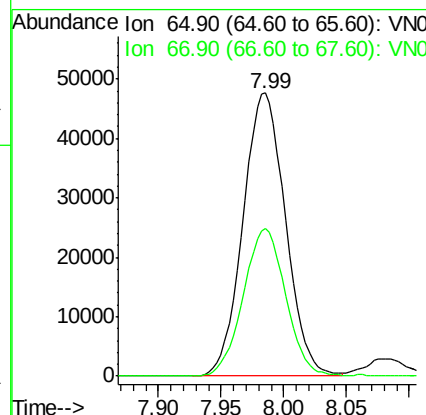
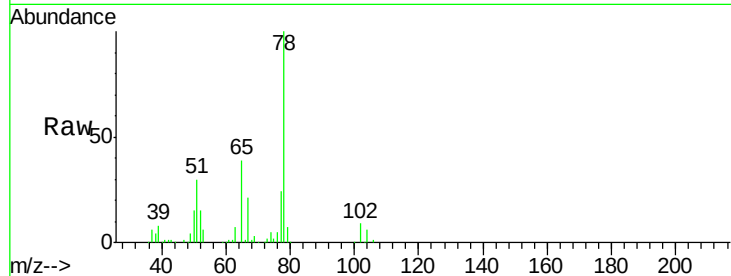
#33
 1,2-Dichloroethane-d4
 Concen: 44.926 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	106.2	

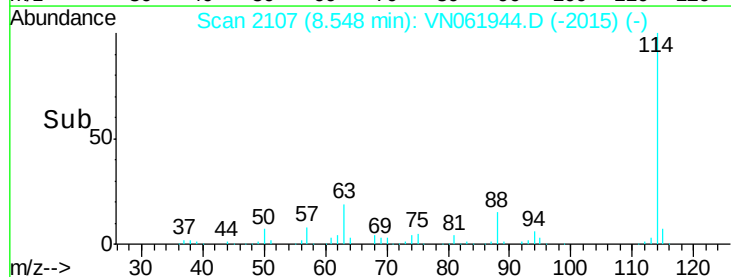
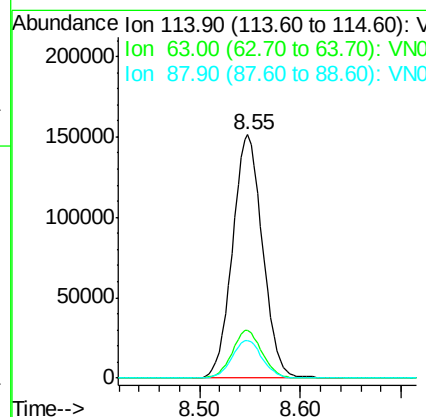
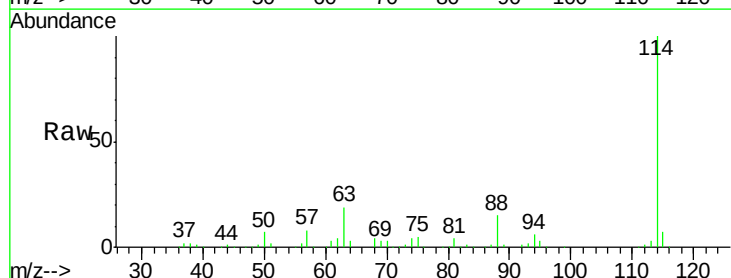
Manual Integrations
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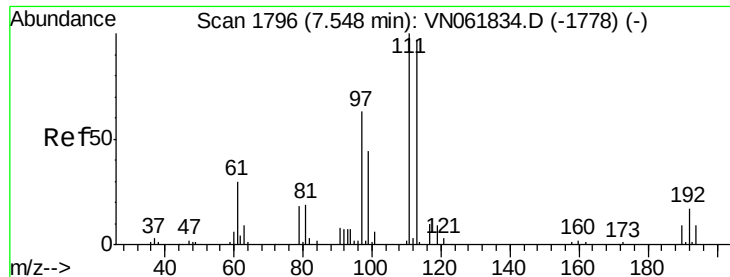
MMDadoda
 6/22/2020 1:25:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	37.6	
88	15.5	0.0	31.0	





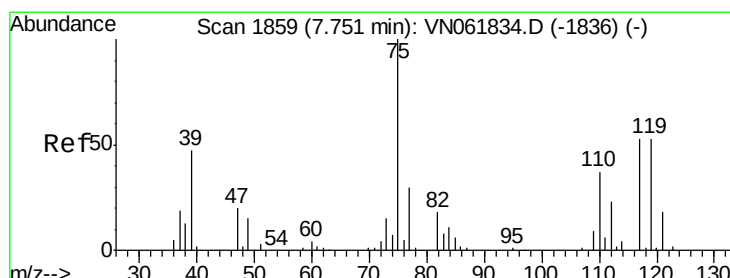
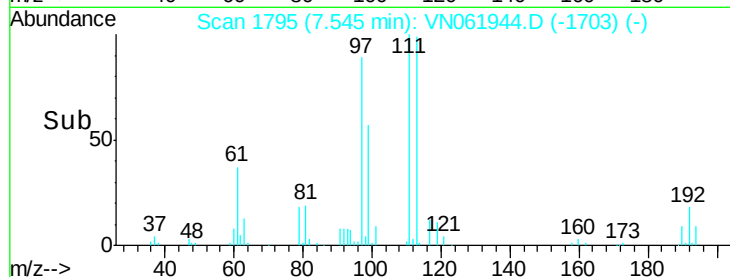
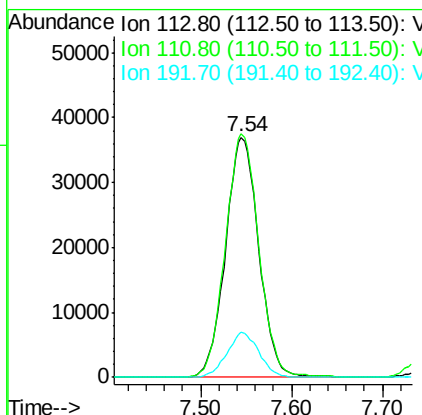
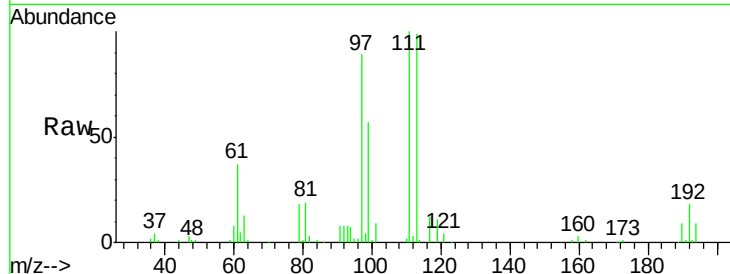
#35
 Dibromofluoromethane
 Concen: 46.800 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.7	125.5
192	17.9	13.9	20.9

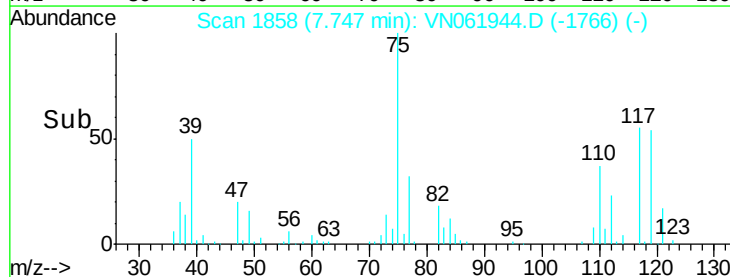
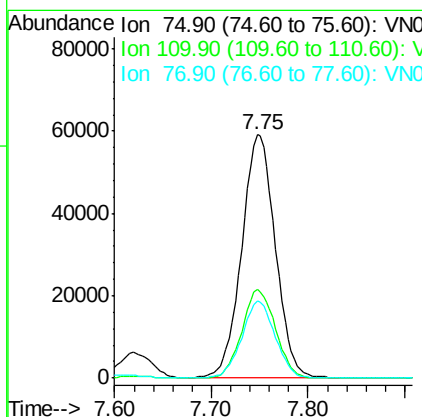
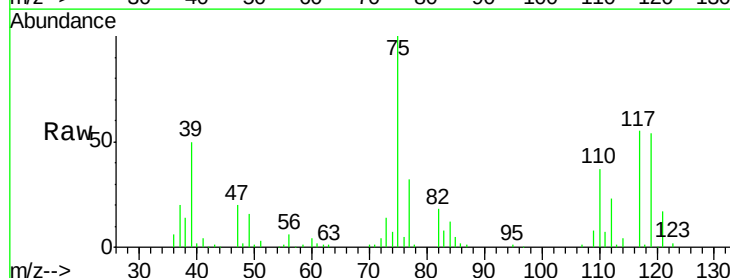
Manual Integrations
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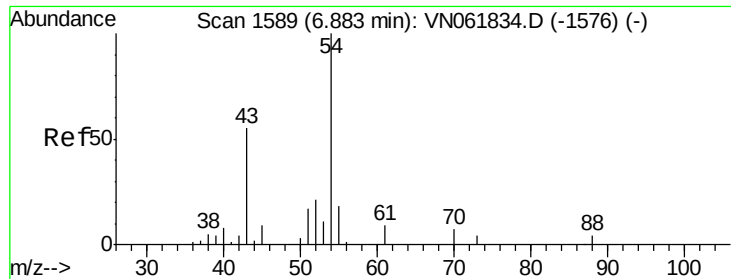
MMDadoda
 6/22/2020 1:25:05 PM



#36
 1,1-Dichloropropene
 Concen: 50.092 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.2	54.6
77	31.3	24.2	36.4





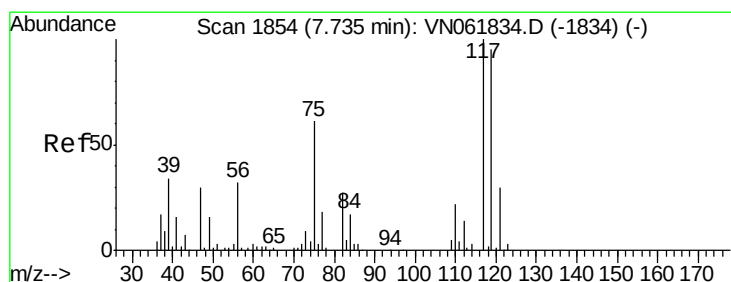
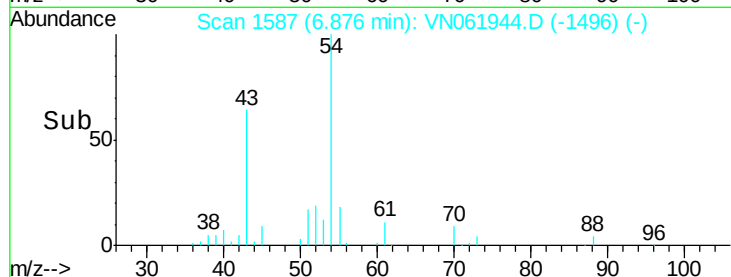
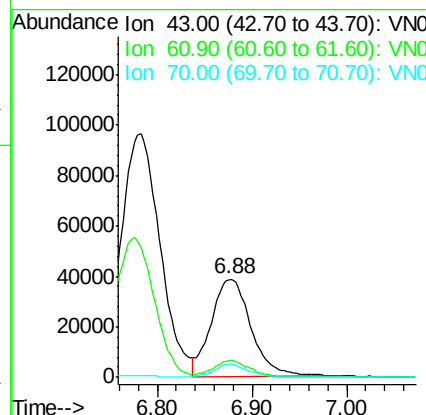
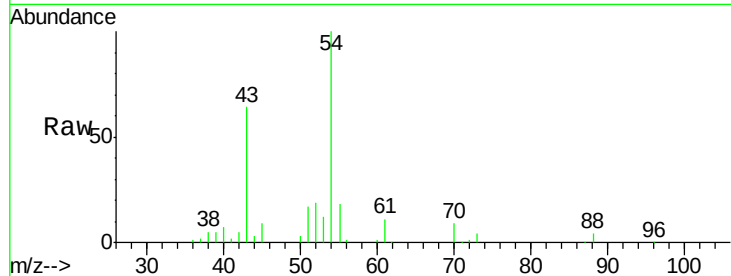
#37
Ethyl Acetate
Concen: 51.137 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.0	19.4
70	11.8	9.4	14.2

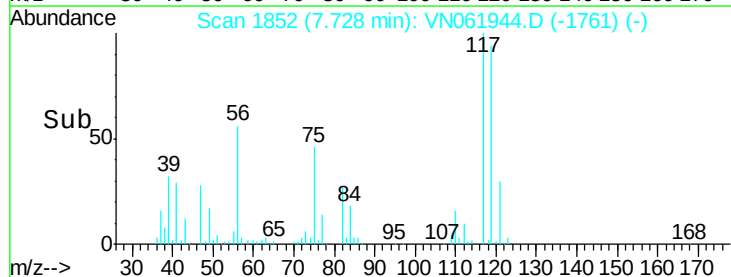
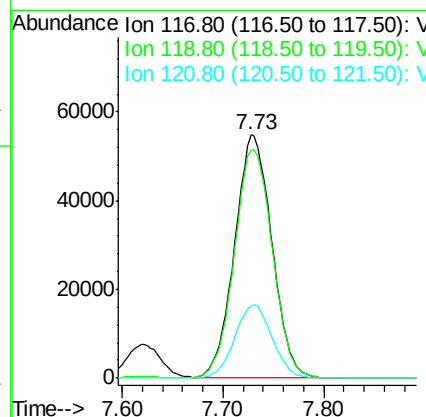
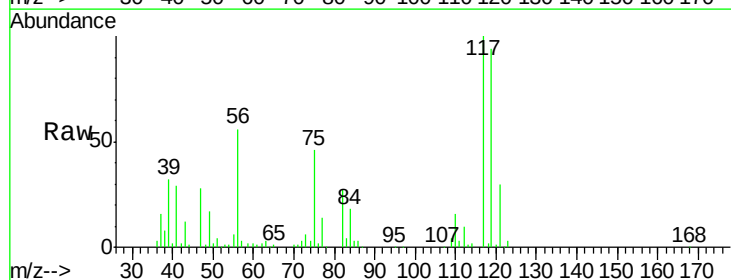
Manual Integrations
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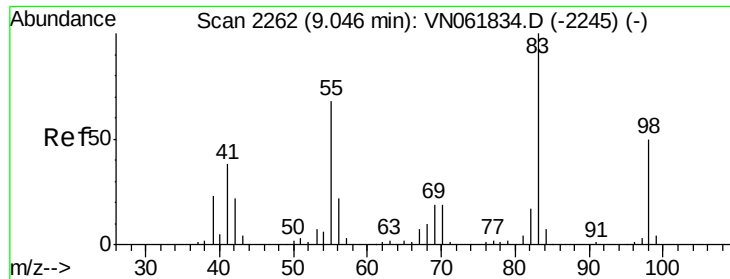
MMDadoda
6/22/2020 1:25:05 PM



#38
Carbon Tetrachloride
Concen: 49.685 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.8	113.6
121	29.8	23.8	35.6





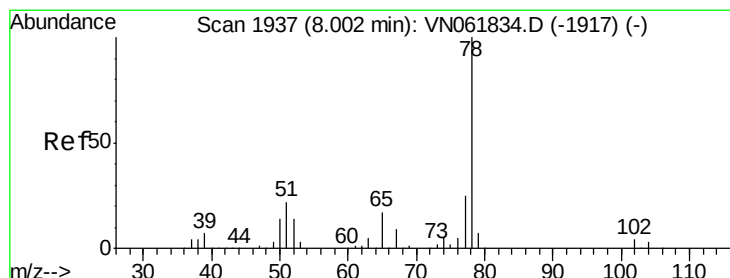
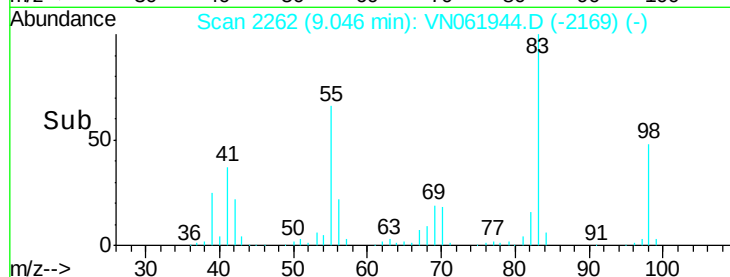
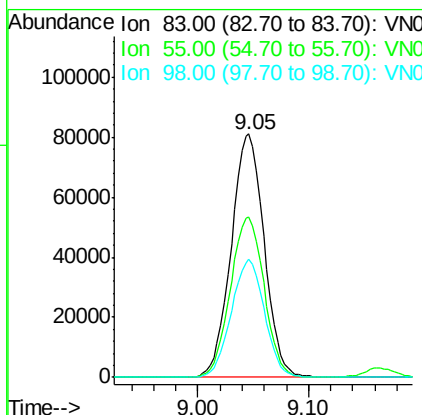
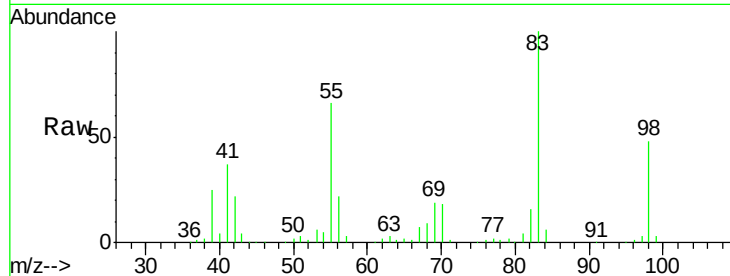
#39
Methylvlcyclohexane
Concen: 54.601 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	167965
Ion Ratio	Lower	Upper	
83	100		
55	65.8	54.2	81.4
98	48.5	39.8	59.6

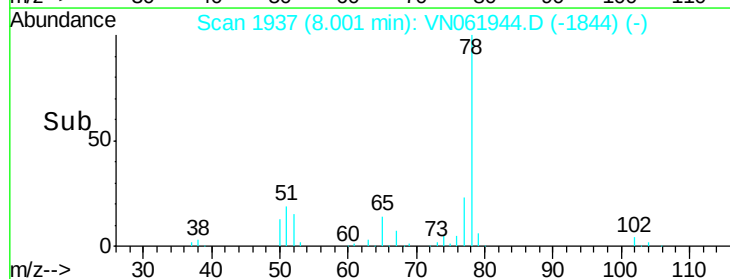
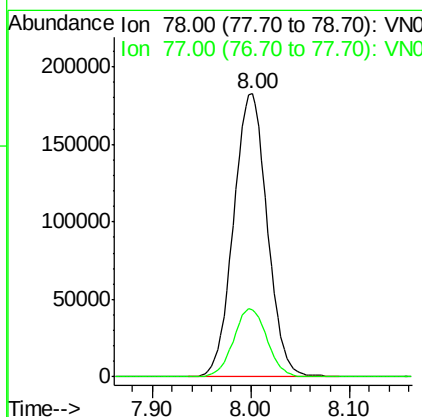
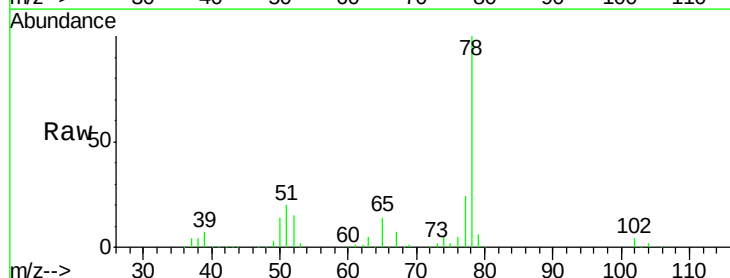
Manual Integrations
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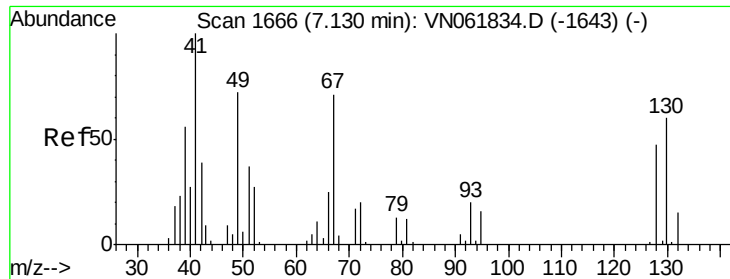
MMDadoda
6/22/2020 1:25:05 PM



#40
Benzene
Concen: 49.915 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	78	Resp	431968
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.7	29.5





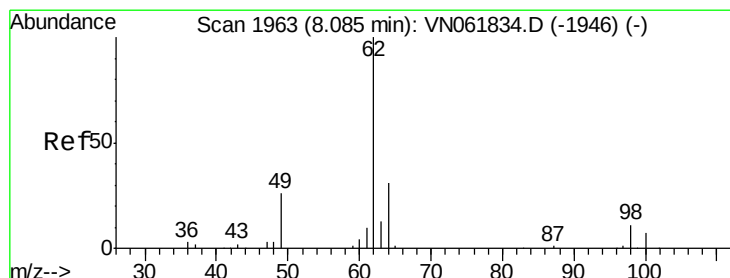
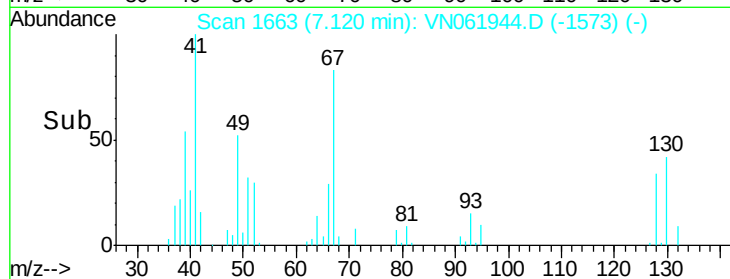
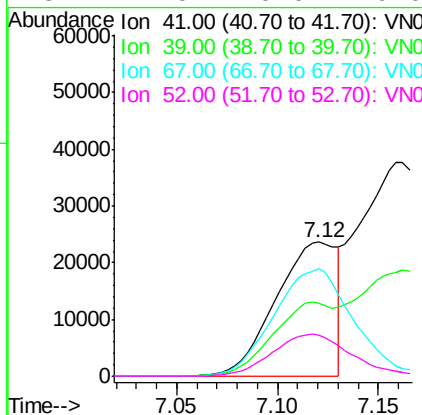
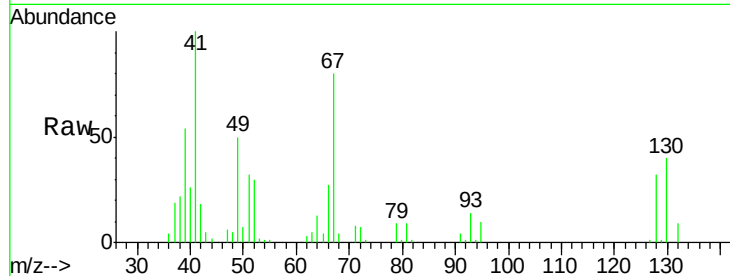
#41
Methacrylonitrile
Concen: 52.355 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	49945		
39	51.7	0.0	0.0	0.0
67	104.8	0.0	0.0	0.0
52	41.0	0.0	0.0	0.0

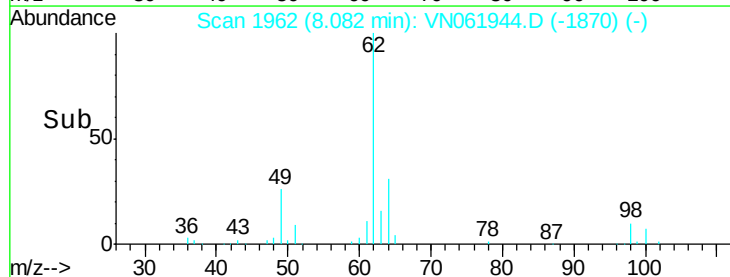
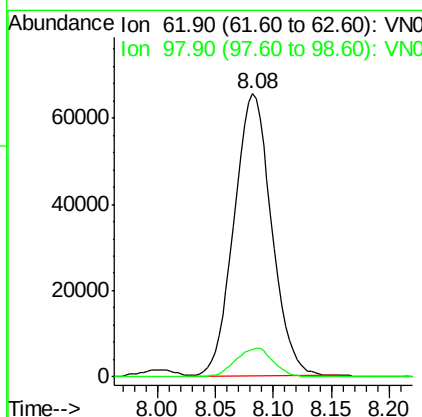
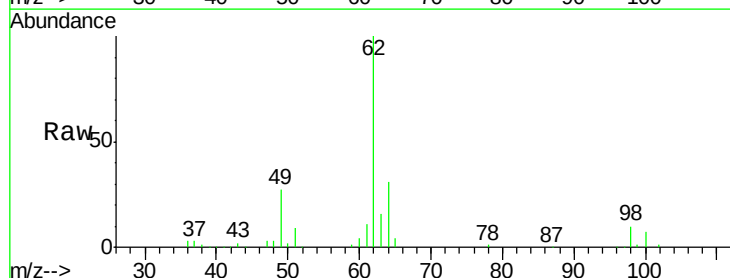
Manual Integrations
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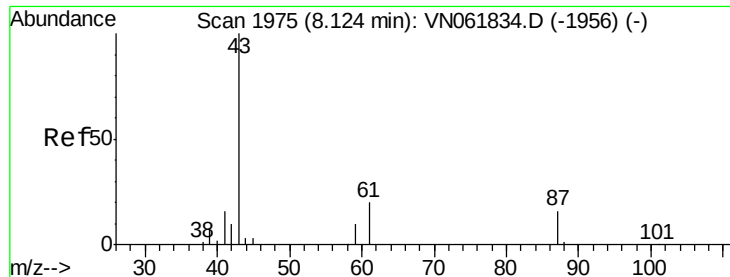
MMDadoda
6/22/2020 1:25:05 PM



#42
1,2-Dichloroethane
Concen: 50.007 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	147560		
98	10.1	0.0	20.4	





#43

Isopropyl Acetate

Concen: 52.505 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

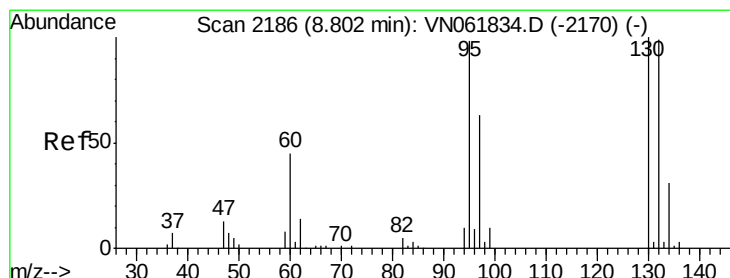
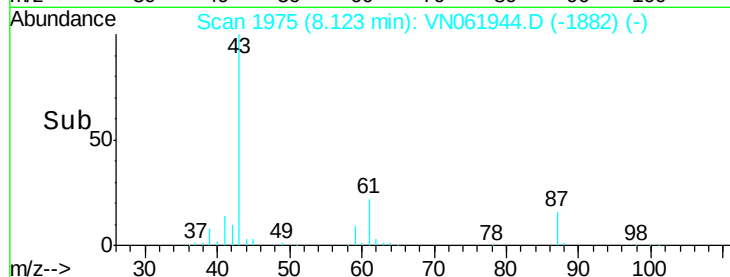
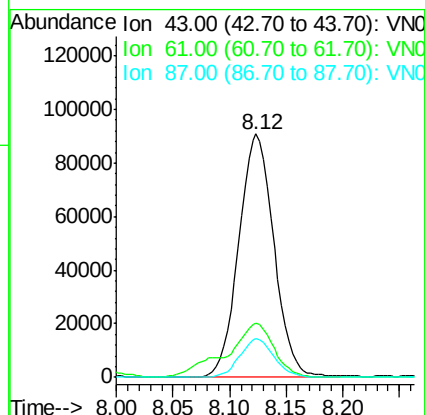
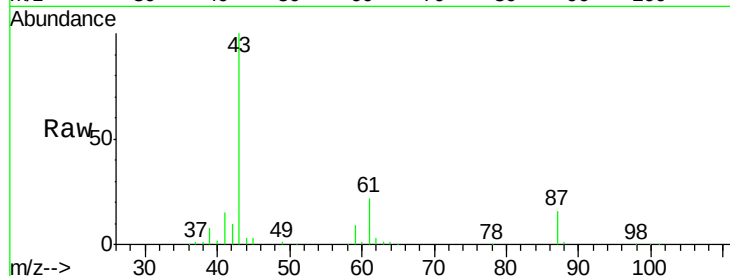
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	197400
Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	15.4	12.5	18.7

Manual Integrations
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#44

Trichloroethene

Concen: 49.510 ug/l

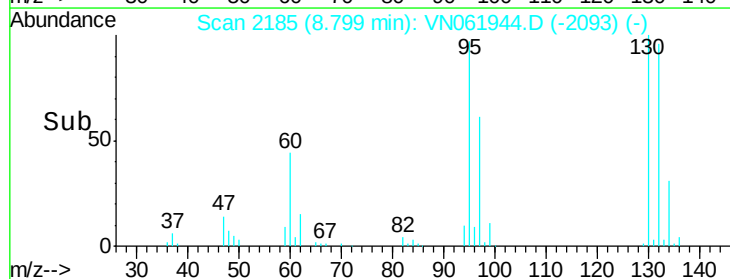
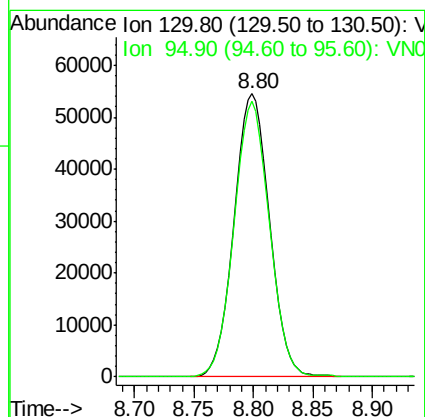
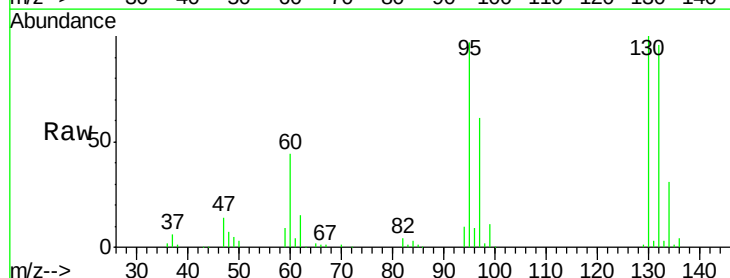
RT: 8.80 min Scan# 2185

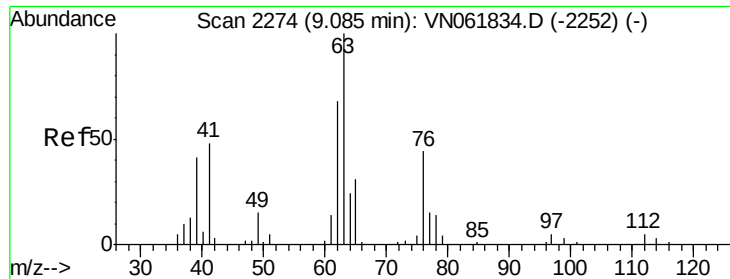
Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Tgt Ion:	130	Resp:	112759
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	195.6





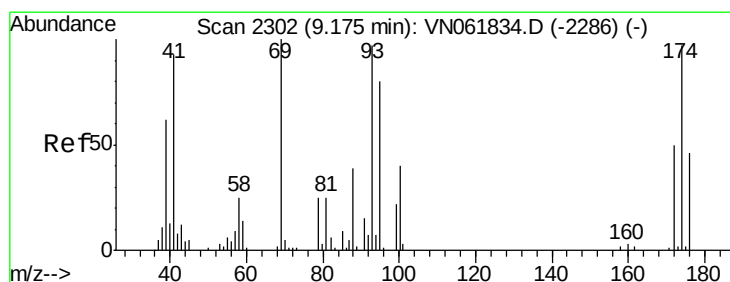
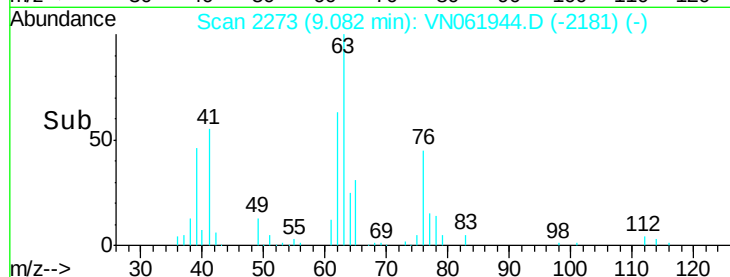
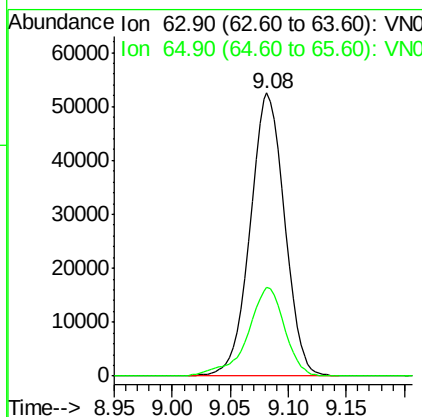
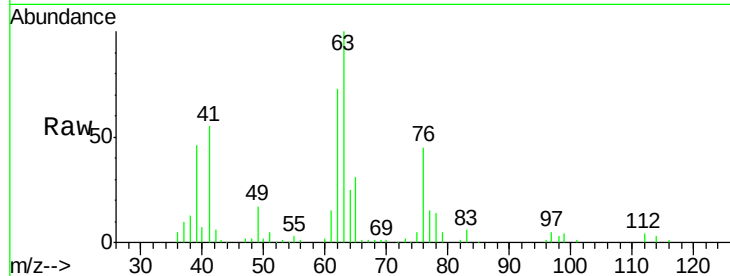
#45
 1,2-Dichloropropane
 Concen: 51.246 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 108986
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.1 37.7

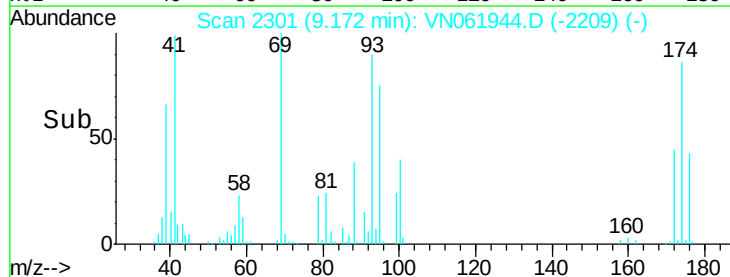
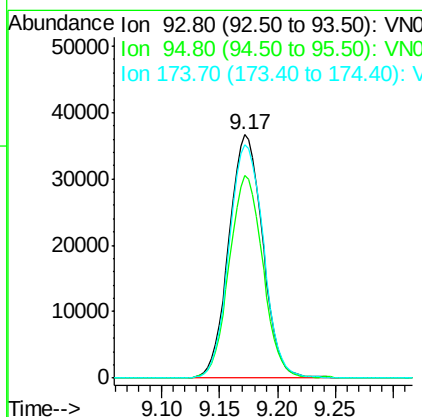
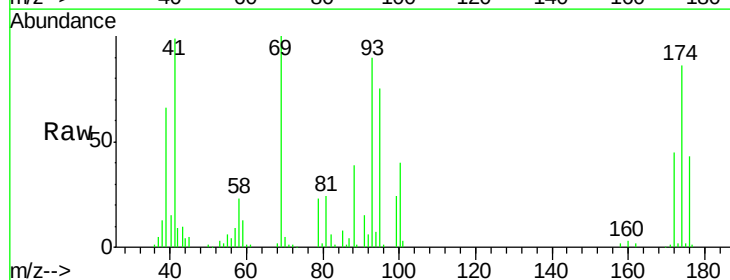
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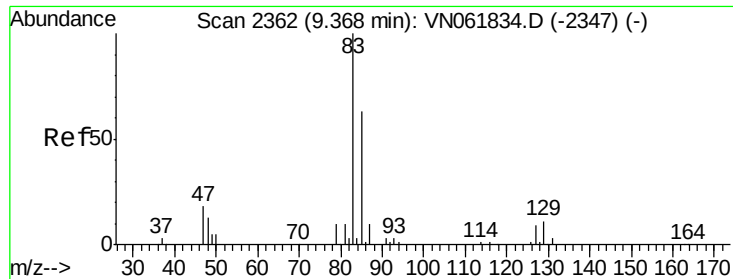
MMDadoda
 6/22/2020 1:25:05 PM



#46
 Dibromomethane
 Concen: 49.764 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Tgt Ion: 93 Resp: 74527
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.8 98.6
 174 97.1 78.5 117.7





#47

Bromodichloromethane

Concen: 50.705 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

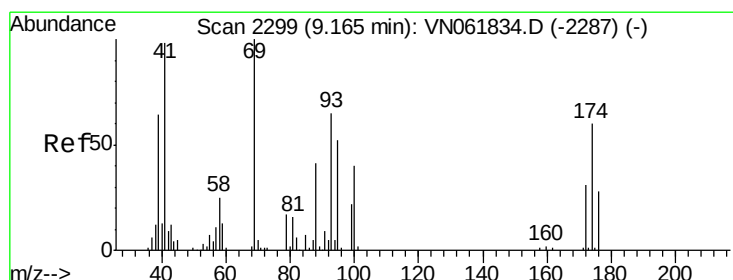
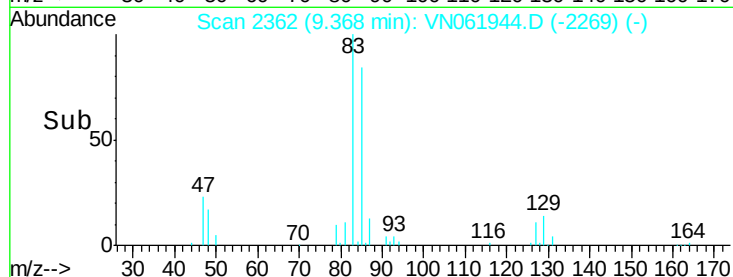
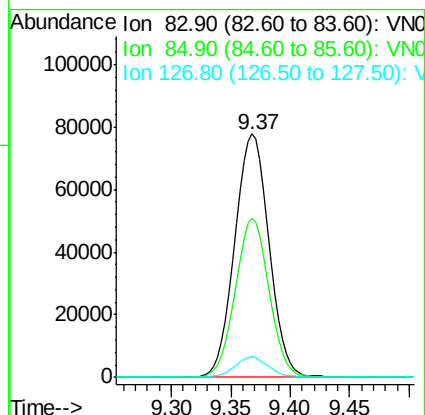
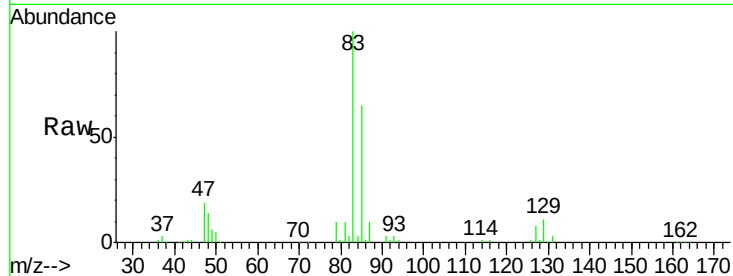
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	155494
Ion Ratio	Lower	Upper	
83	100		
85	65.3	50.8	76.2
127	8.4	7.0	10.4

Manual Integrations
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6/22/2020 1:25:05 PM



#48

Methyl methacrylate

Concen: 52.777 ug/l

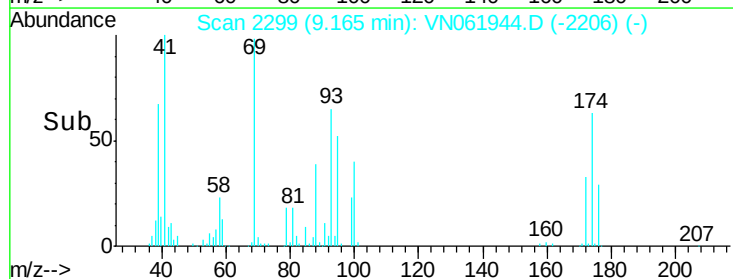
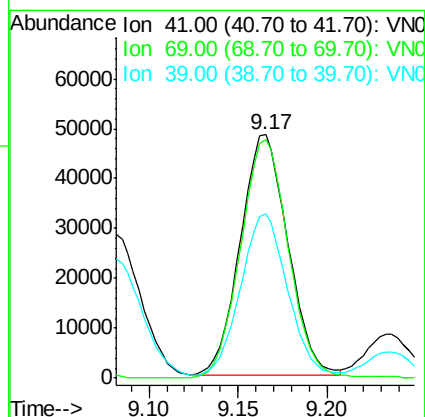
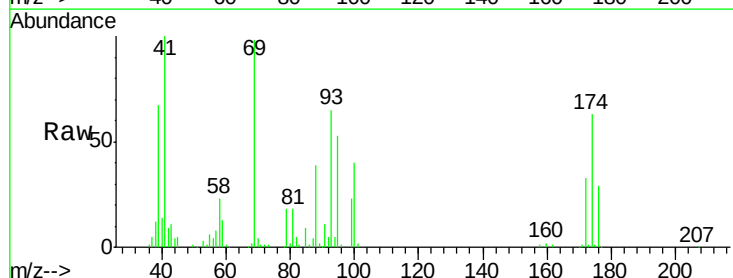
RT: 9.17 min Scan# 2299

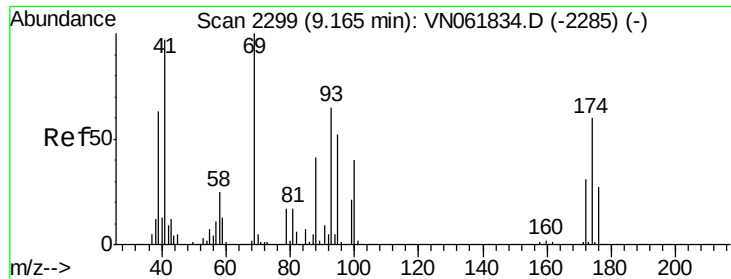
Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Tgt Ion:	41	Resp:	90235
Ion Ratio	Lower	Upper	
41	100		
69	100.1	83.0	124.4
39	68.0	55.1	82.7





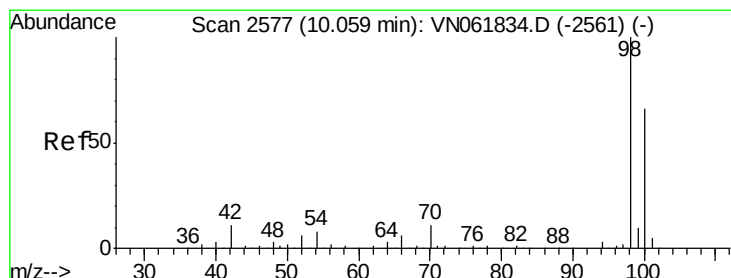
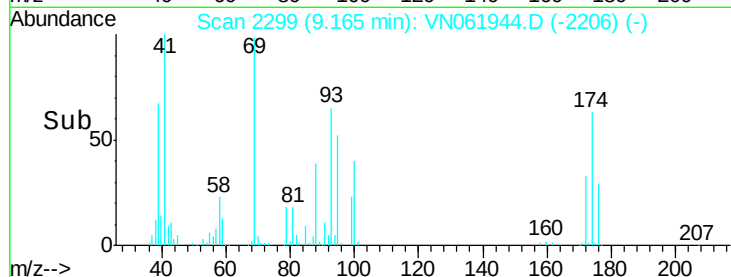
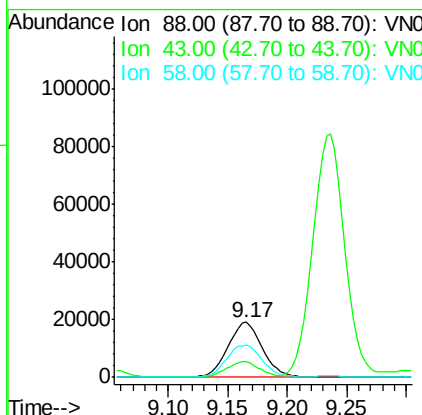
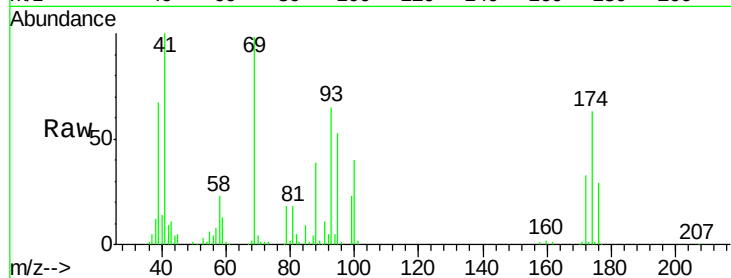
#49
1,4-Dioxane
Concen: 983.886 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.2	23.4	35.2
58	60.3	49.8	74.6

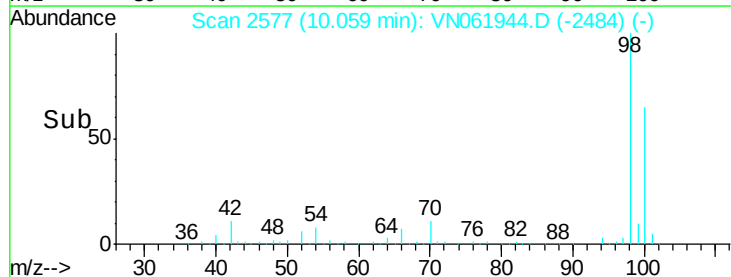
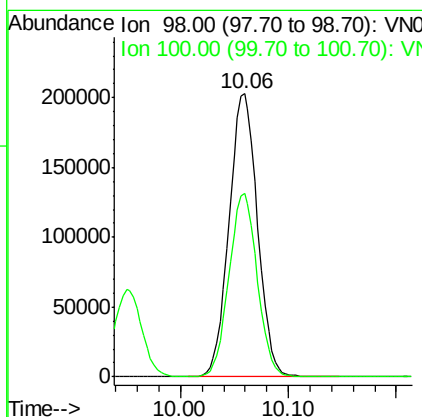
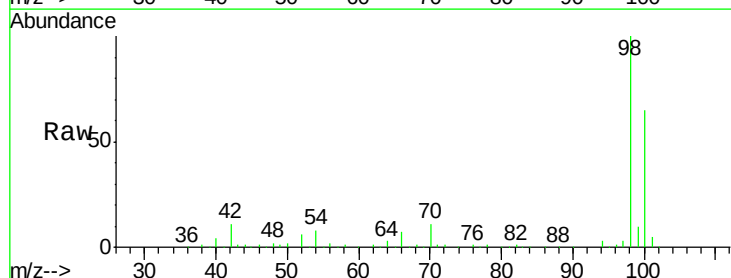
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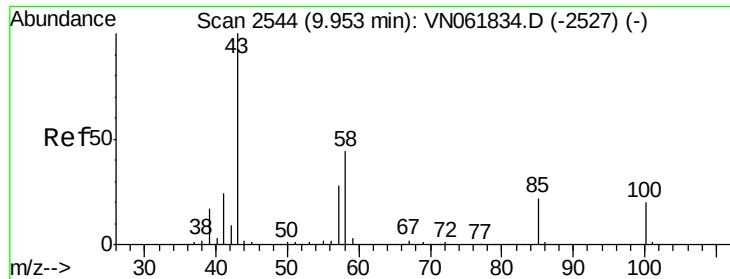
MMDadoda
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#50
Toluene-d8
Concen: 47.396 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.7	79.1





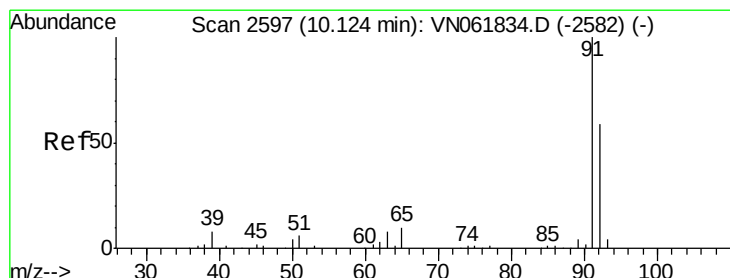
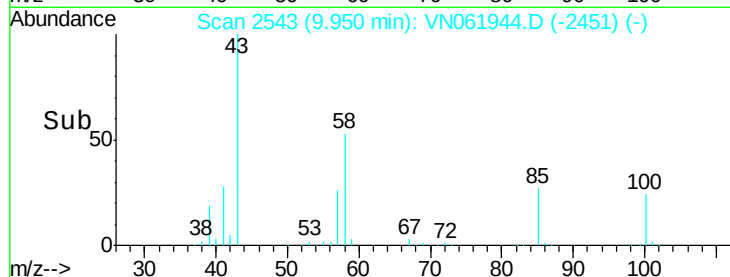
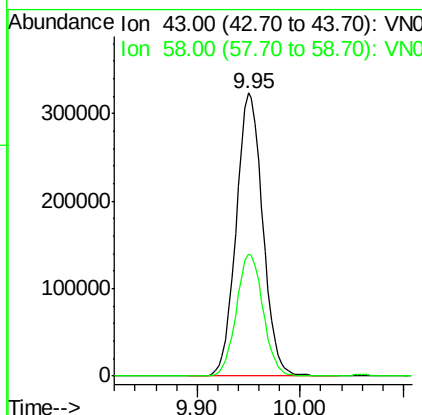
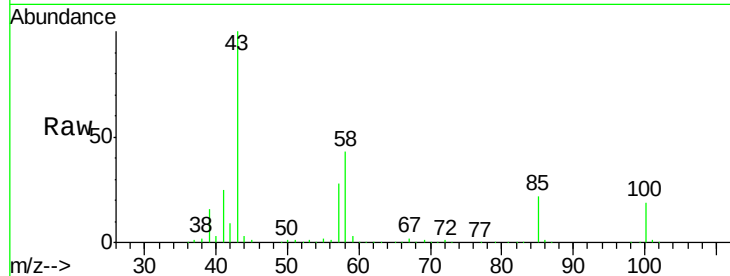
#51
4-Methyl-2-Pentanone
Concen: 261.870 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	43.4		34.6	52.0	

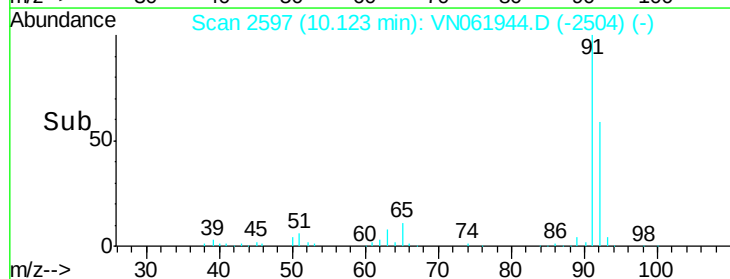
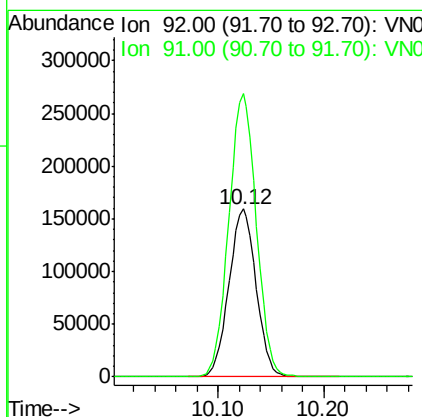
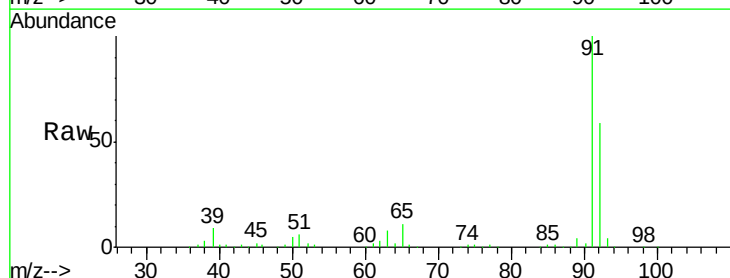
Manual Integrations
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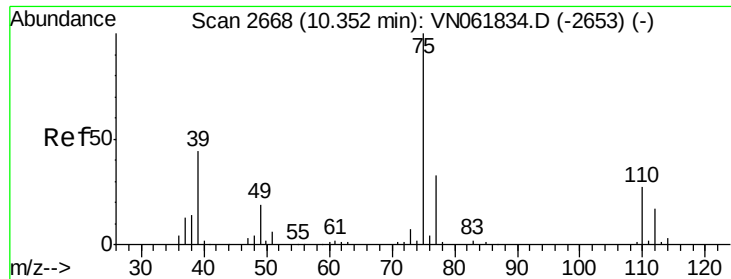
MMDadoda
6/22/2020 1:25:05 PM



#52
Toluene
Concen: 52.258 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	170.6		137.1	205.7	





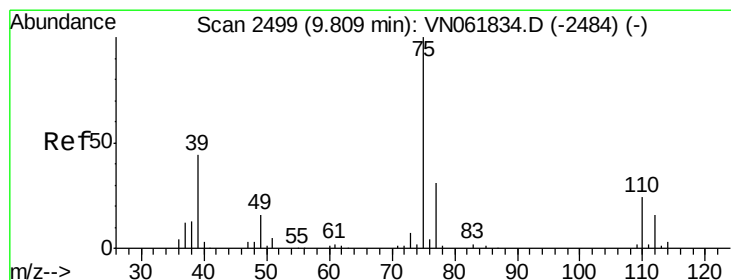
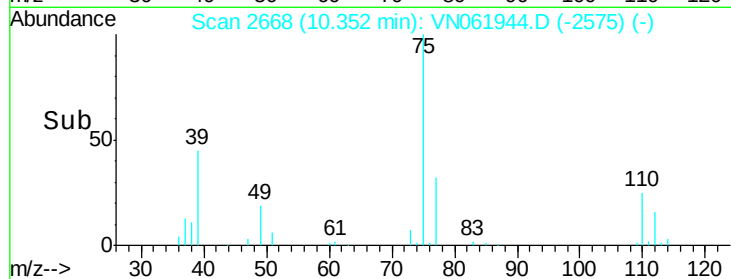
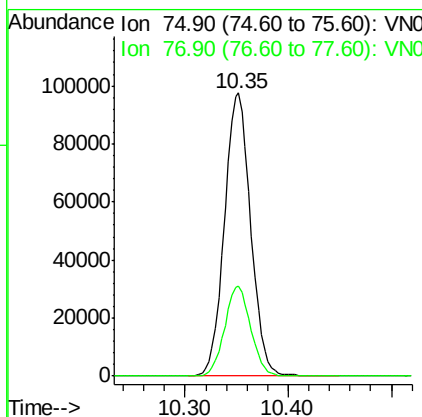
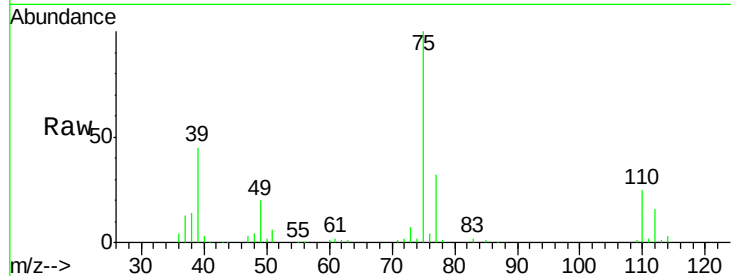
#53
t-1,3-Dichloropropene
Concen: 53.098 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.3	39.5

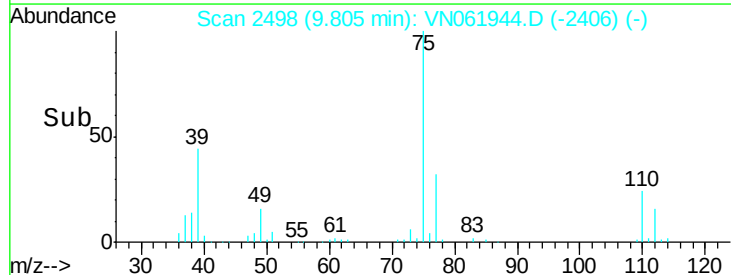
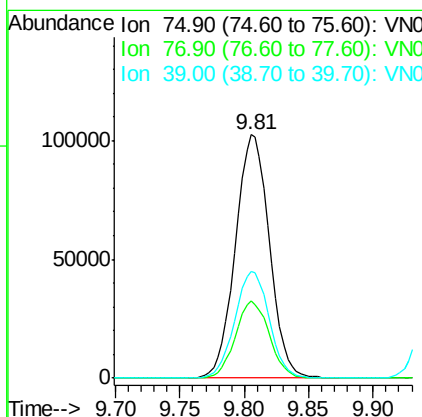
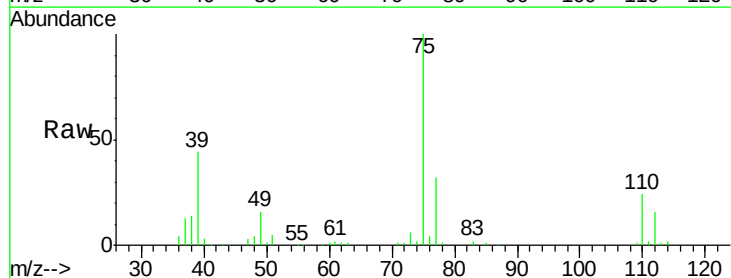
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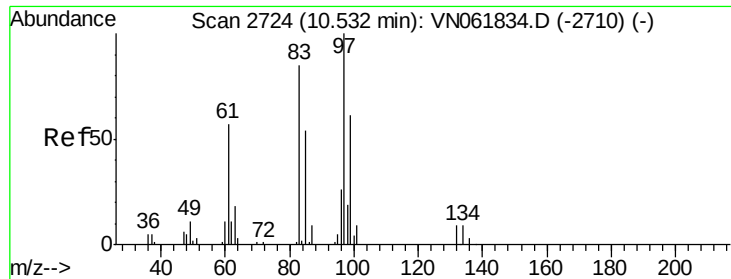
MMDadoda
6/22/2020 1:25:05 PM



#54
cis-1,3-Dichloropropene
Concen: 53.212 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2
39	43.8	35.4	53.0





#55

1,1,2-Trichloroethane

Concen: 51.664 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

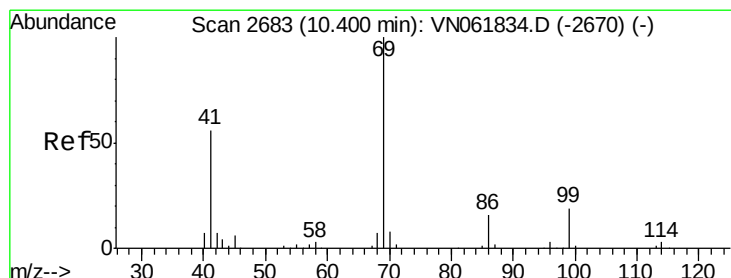
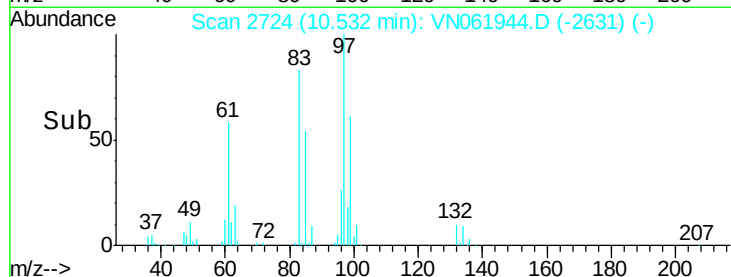
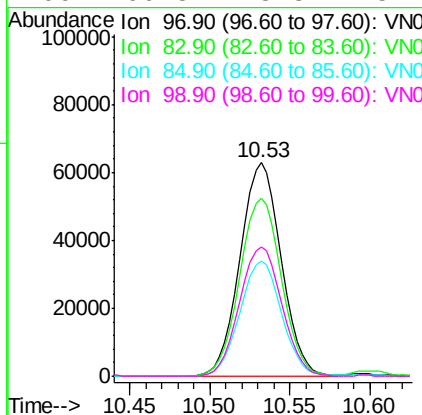
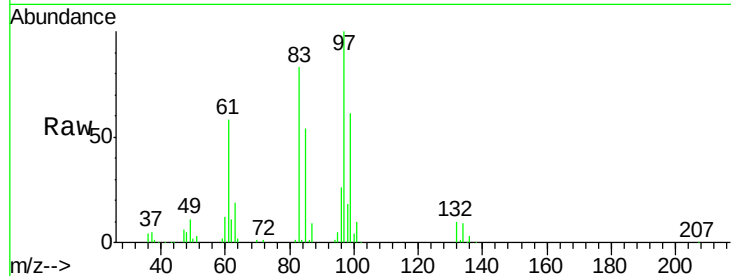
ClientSampled :

VSTDCCC050

Tot Ion:	97	Resp:	110477
Ion Ratio	Lower	Upper	
97	100		
83	83.3	67.7	101.5
85	54.2	43.4	65.0
99	60.8	48.8	73.2

Manual Integrations
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6/22/2020 1:25:05 PM



#56

Ethyl methacrylate

Concen: 48.070 ug/l

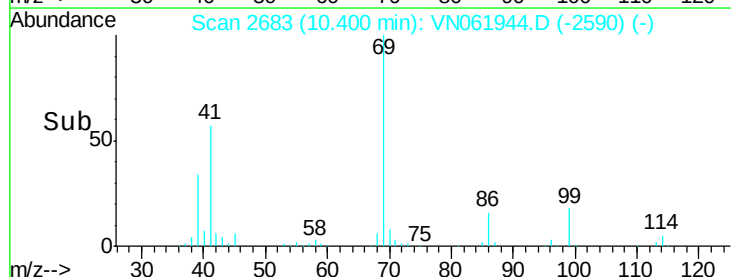
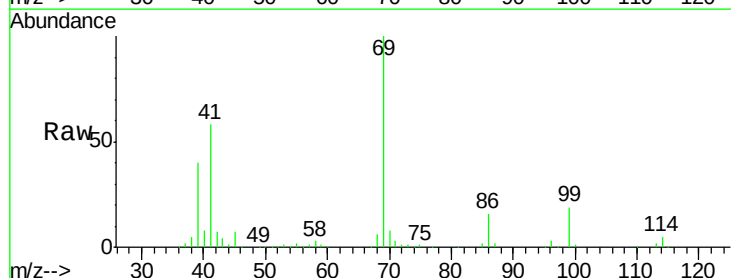
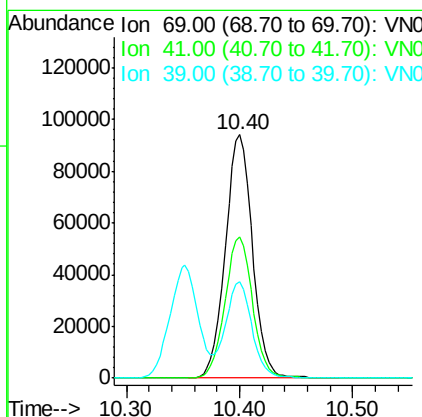
RT: 10.40 min Scan# 2683

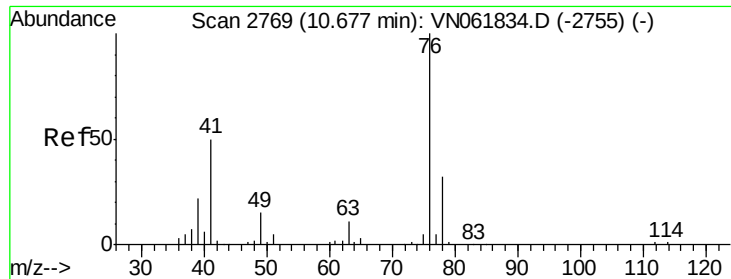
Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Tgt Ion:	69	Resp:	156625
Ion Ratio	Lower	Upper	
69	100		
41	58.4	44.9	67.3
39	37.9	30.0	45.0





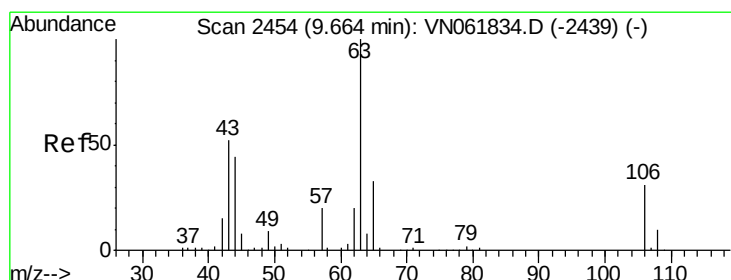
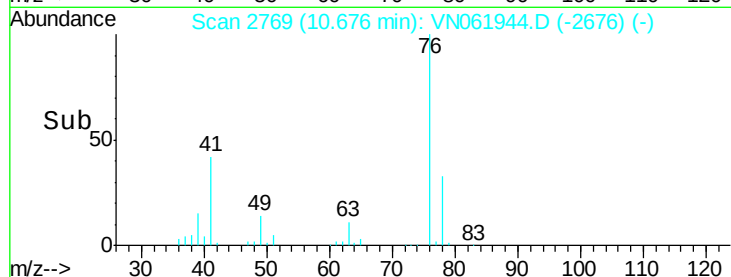
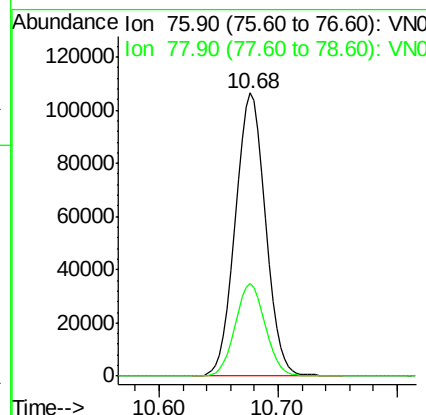
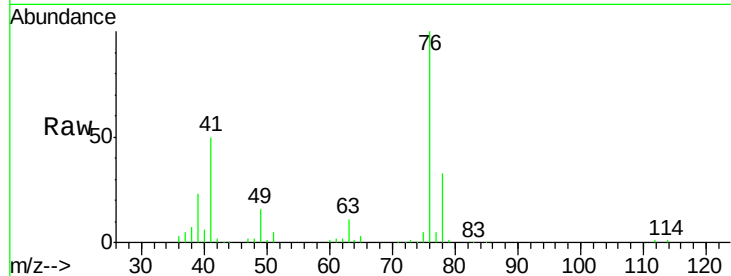
#57
 1,3-Dichloropropane
 Concen: 51.786 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 187607
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

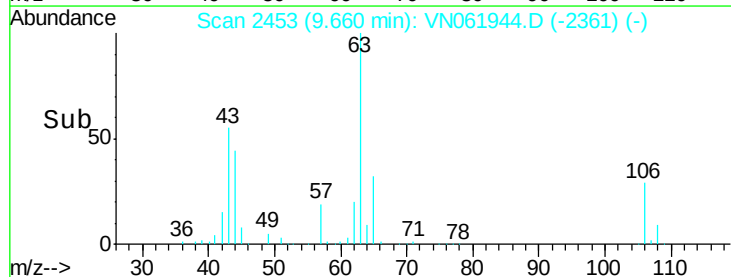
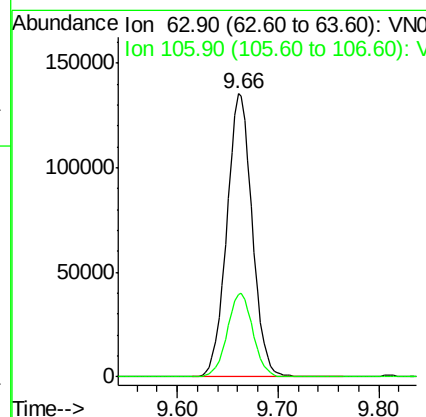
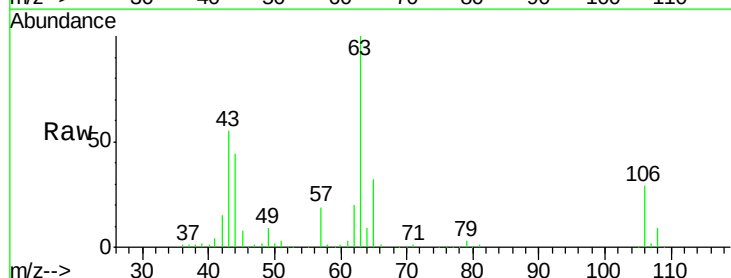
Manual Integrations
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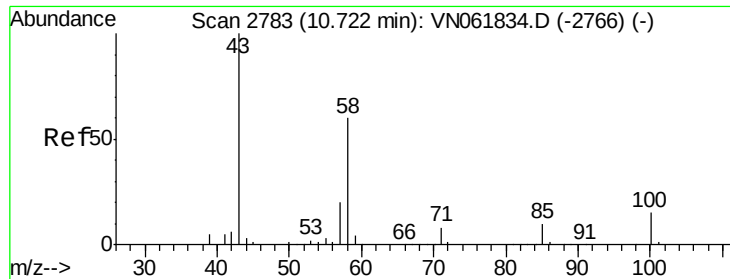
MMDadoda
 6/22/2020 1:25:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 211.026 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Tgt Ion: 63 Resp: 238158
 Ion Ratio Lower Upper
 63 100
 106 29.9 24.6 36.8





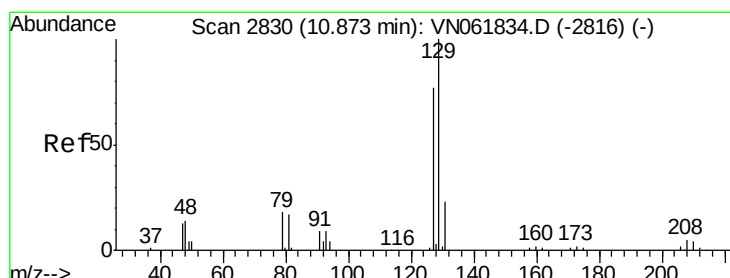
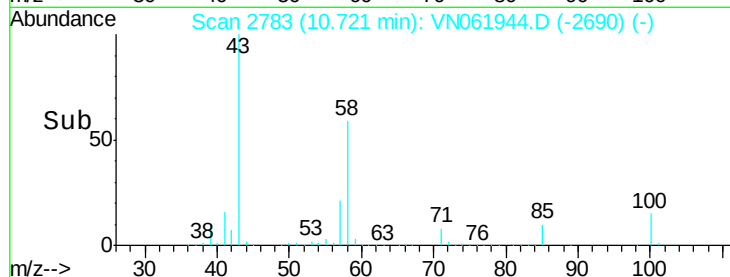
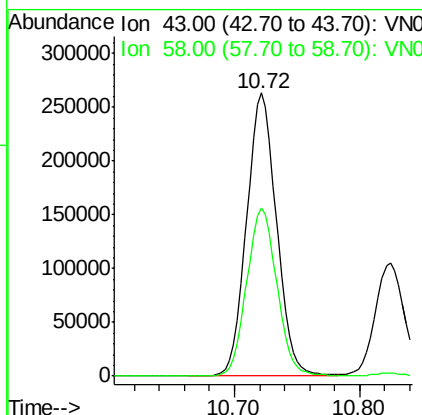
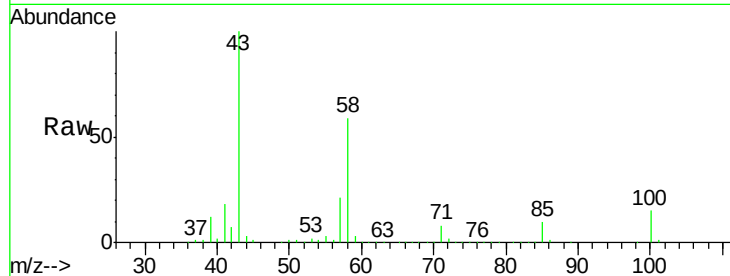
#59
2-Hexanone
Concen: 247.490 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	59.8		30.1	90.5	

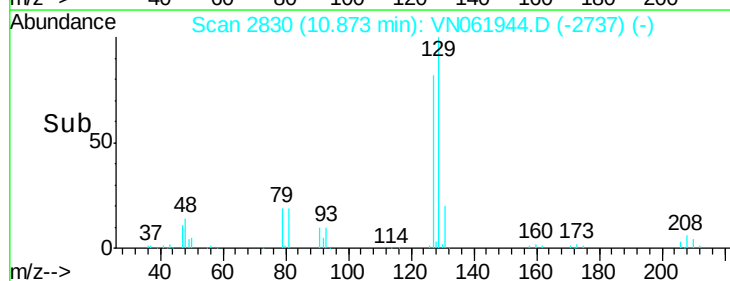
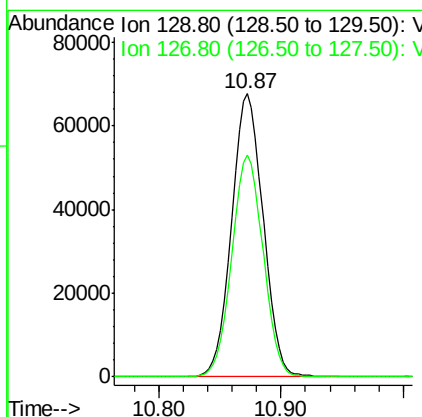
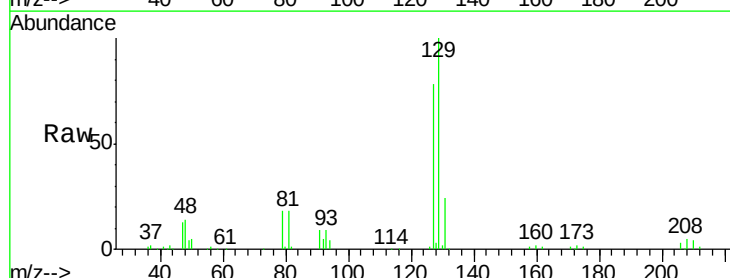
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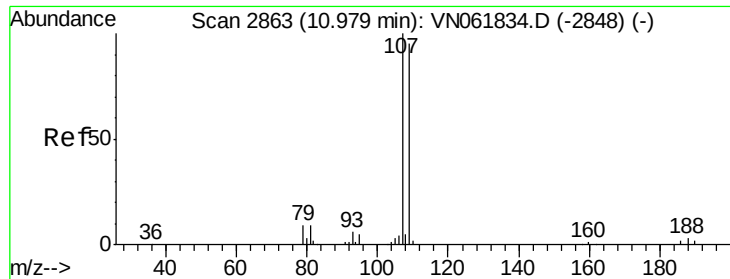
MMDadoda
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#60
Dibromochloromethane
Concen: 50.917 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127	77.7		38.5	115.5	





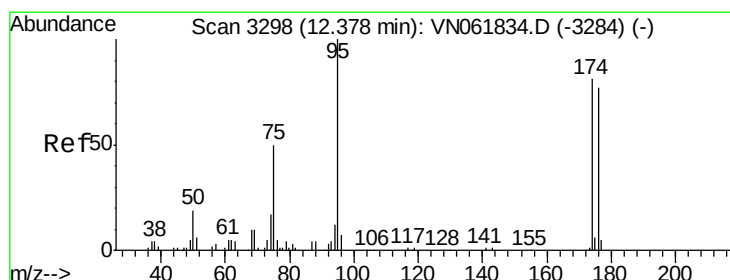
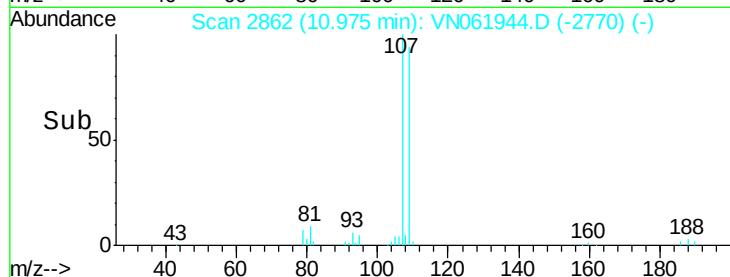
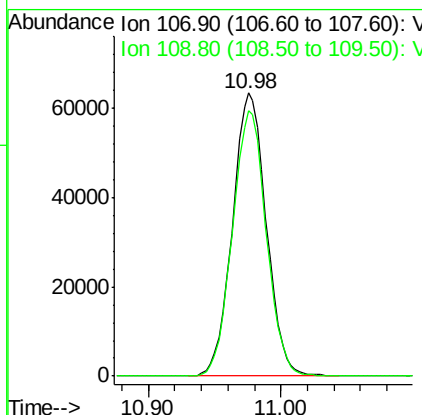
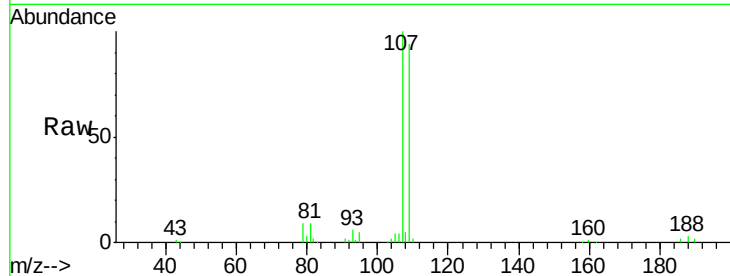
#61
 1,2-Dibromoethane
 Concen: 50.192 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 112073
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.6

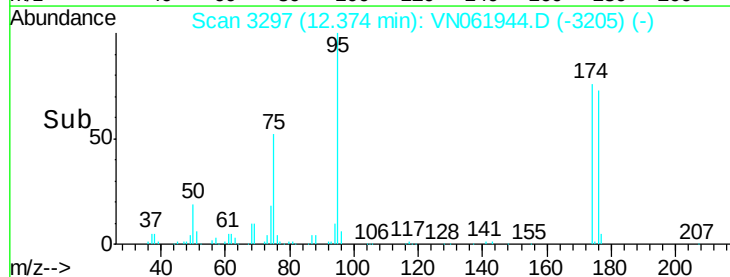
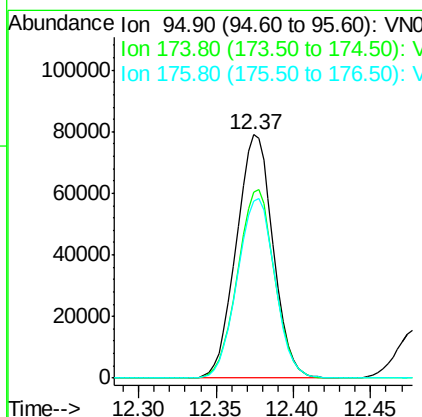
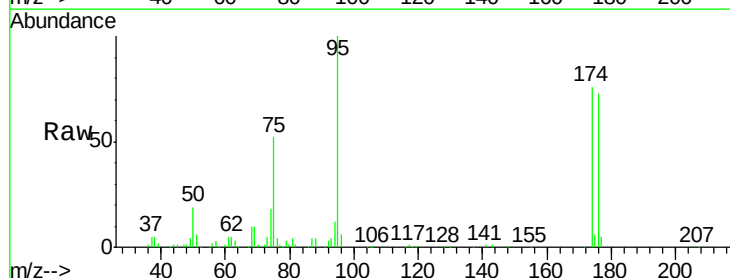
Manual Integrations
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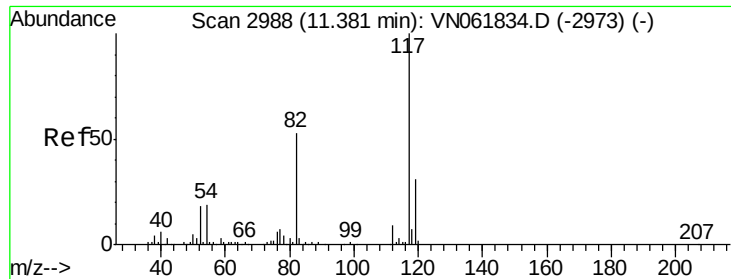
MMDadoda
 6/22/2020 1:25:05 PM



#62
 4-Bromofluorobenzene
 Concen: 48.377 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Tgt Ion: 95 Resp: 130722
 Ion Ratio Lower Upper
 95 100
 174 78.0 0.0 158.6
 176 75.5 0.0 152.0





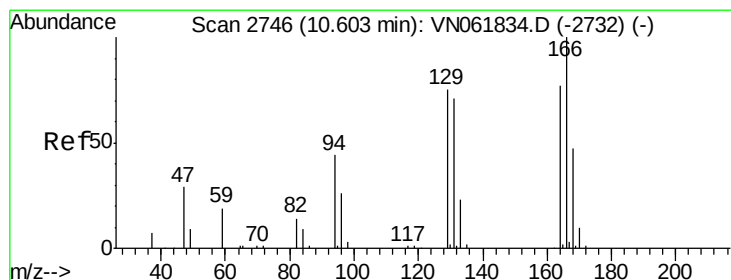
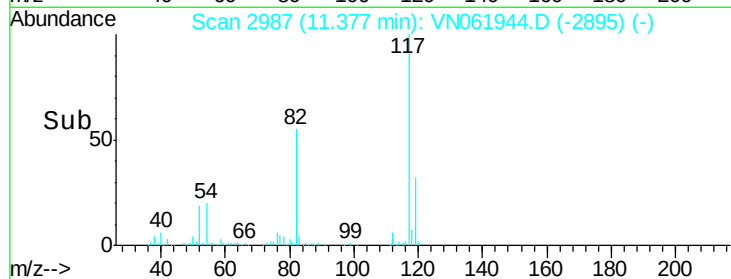
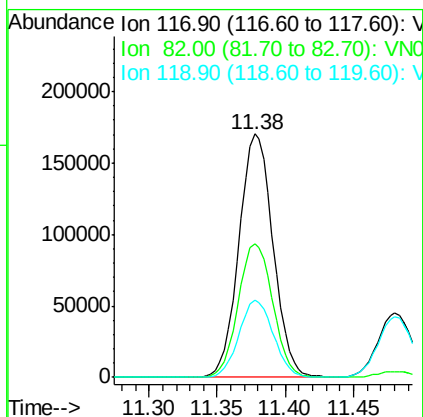
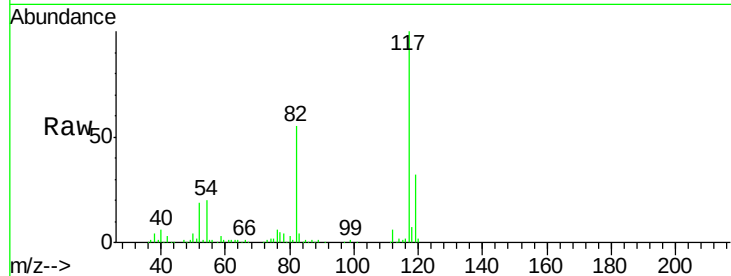
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	295659		
82	54.8		42.6	64.0
119	31.6		24.7	37.1

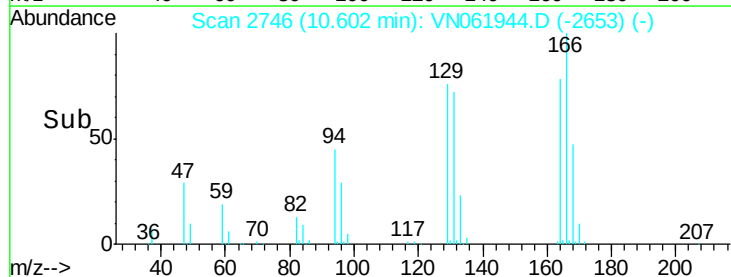
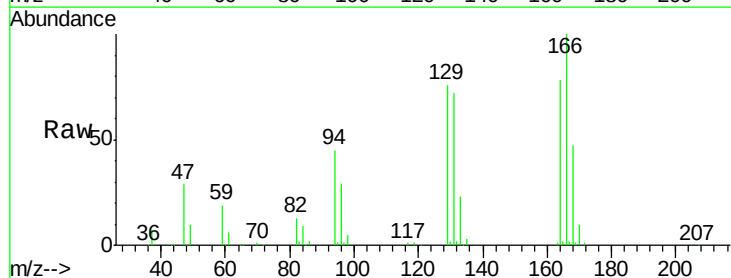
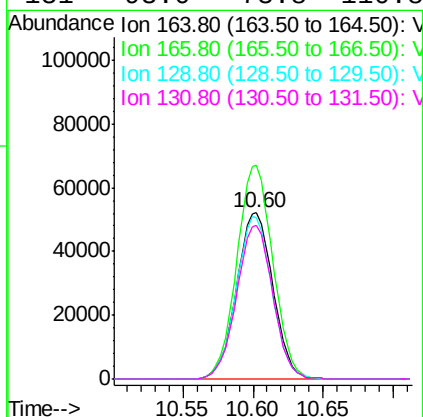
Manual Integrations
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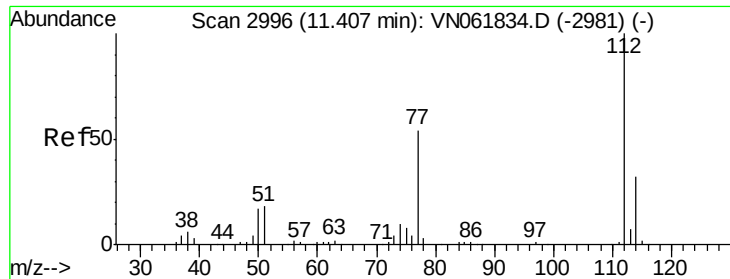
MMDadoda
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#64
Tetrachloroethene
Concen: 50.018 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94255		
166	128.8		103.5	155.3
129	97.5		77.5	116.3
131	93.0		73.8	110.8





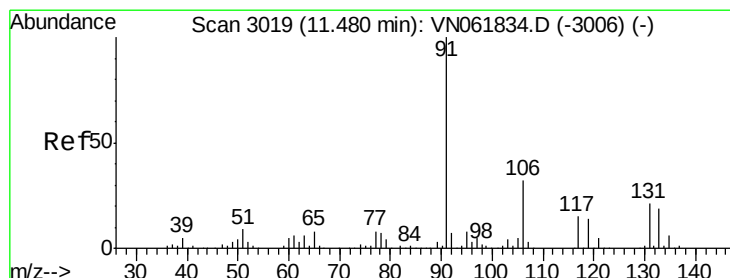
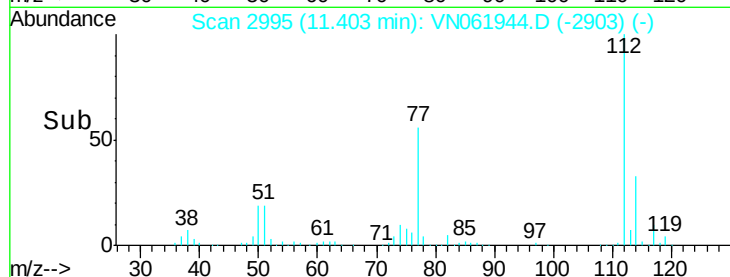
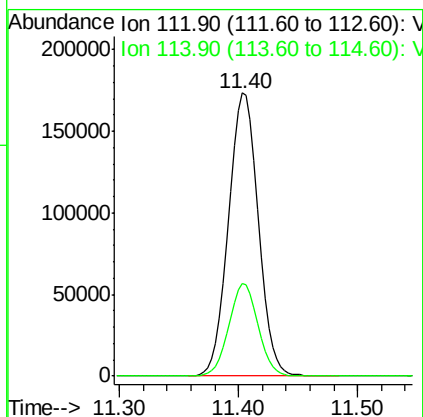
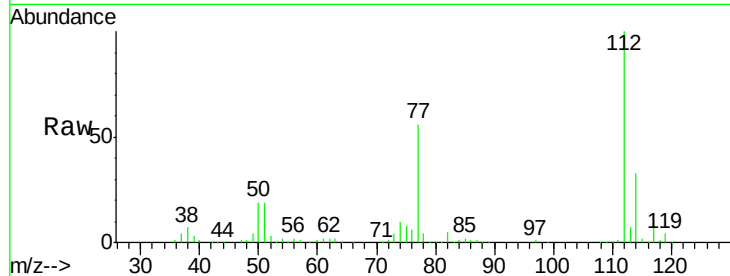
#65
Chlorobenzene
Concen: 48.354 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 301667
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.6

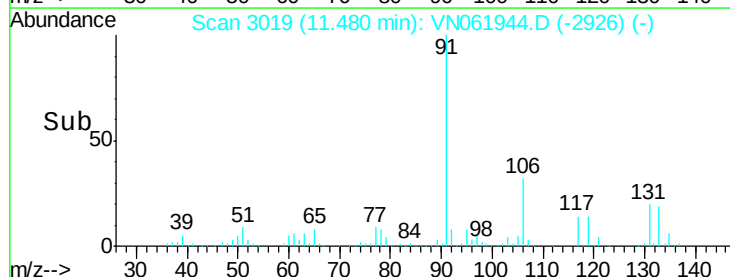
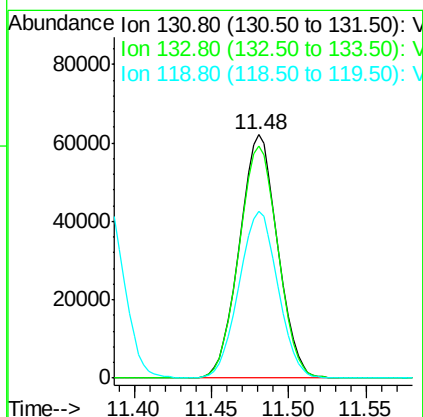
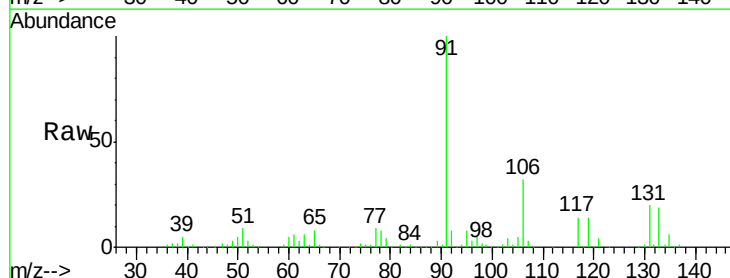
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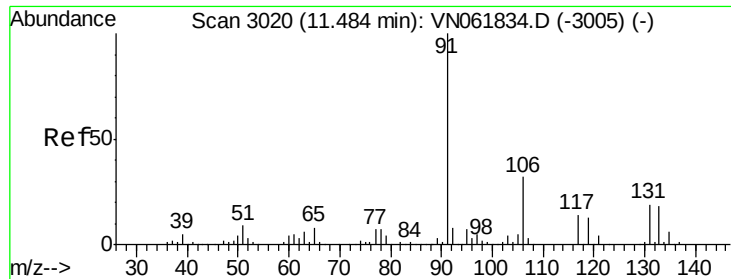
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.191 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion:131 Resp: 107030
Ion Ratio Lower Upper
131 100
133 97.3 47.5 142.5
119 69.7 34.0 101.8





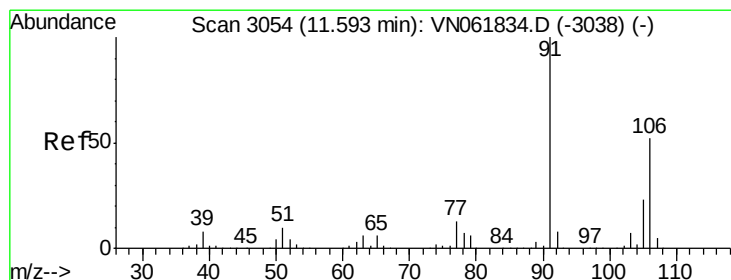
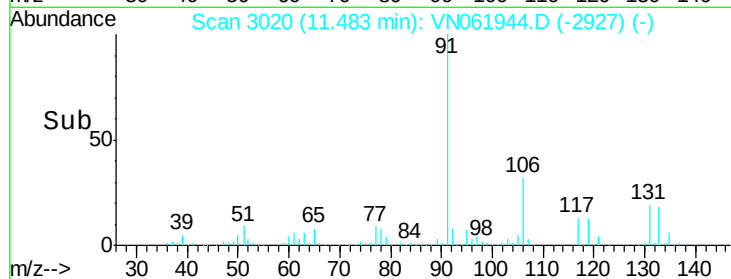
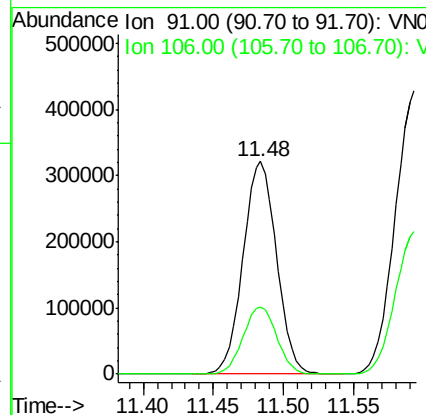
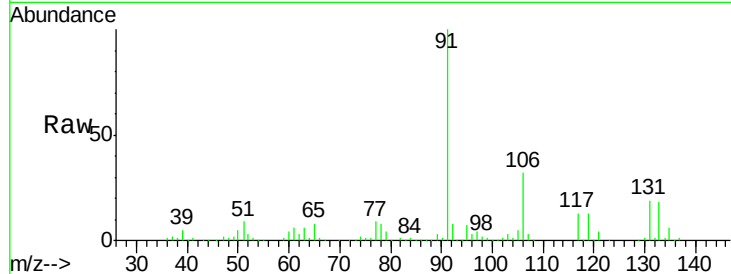
#67
Ethyl Benzene
Concen: 51.221 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 535774
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

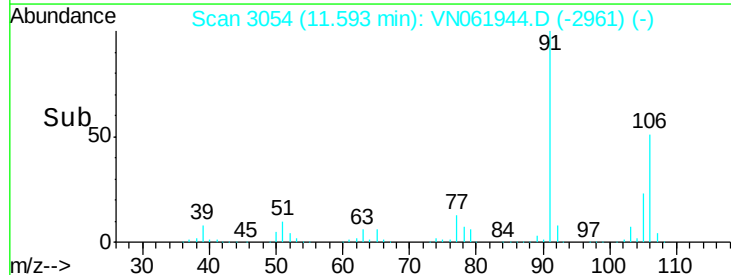
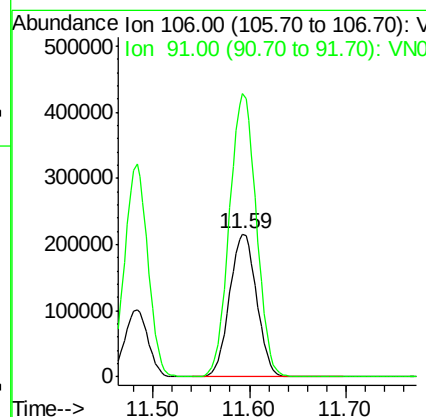
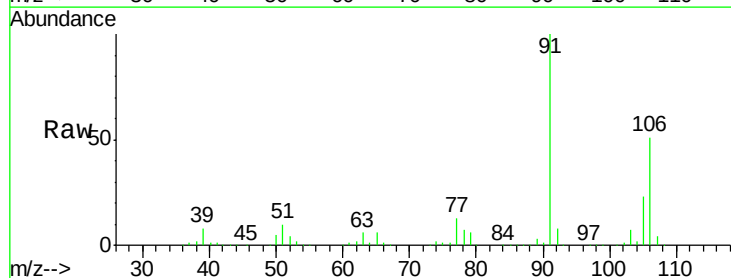
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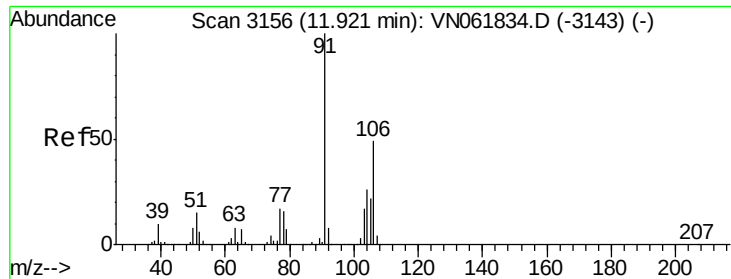
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#68
m/p-Xylenes
Concen: 104.030 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion: 106 Resp: 419593
Ion Ratio Lower Upper
106 100
91 197.2 157.0 235.6





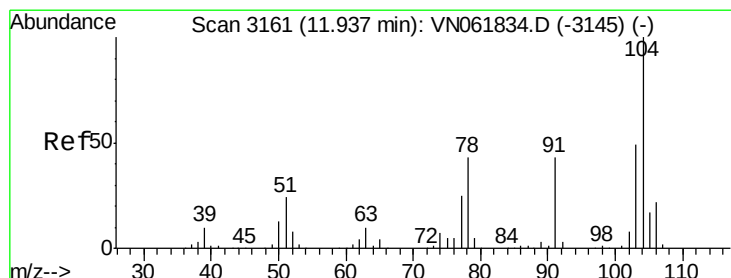
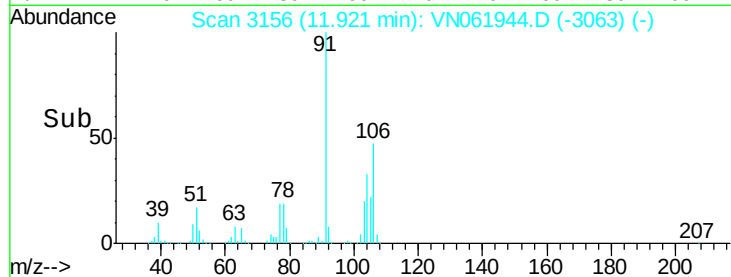
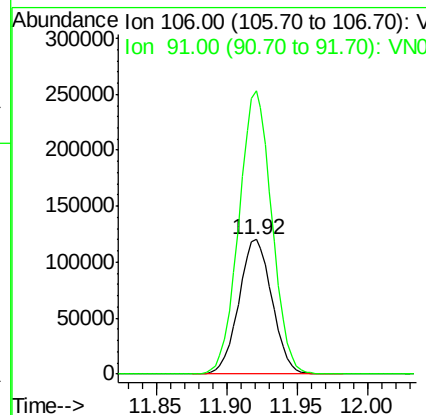
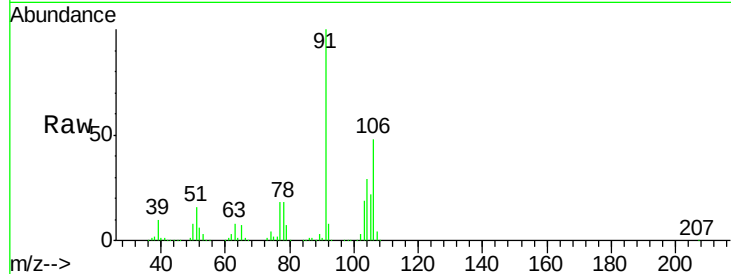
#69
o-Xylene
Concen: 51.570 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.0	103.0	308.9	

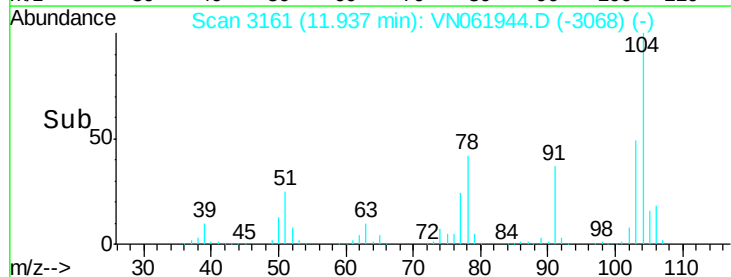
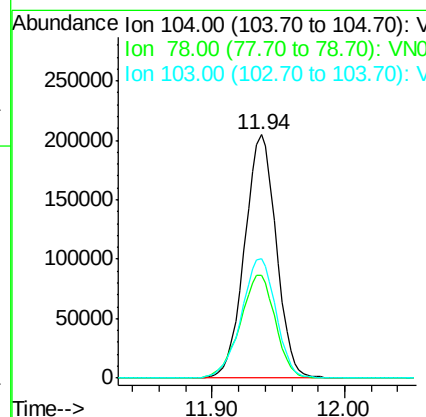
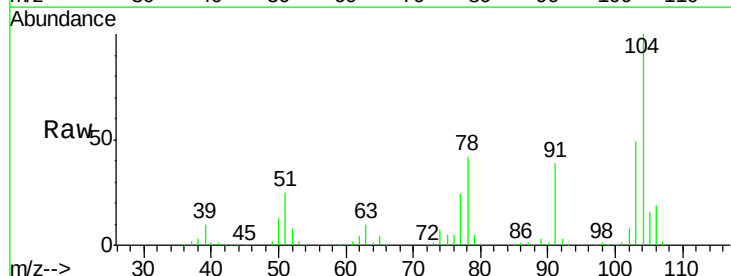
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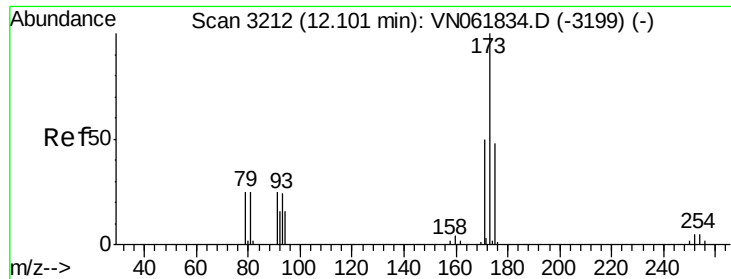
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#70
Styrene
Concen: 52.682 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.3	37.6	56.4	
103	54.0	43.0	64.4	





#71

Bromoform

Concen: 50.346 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

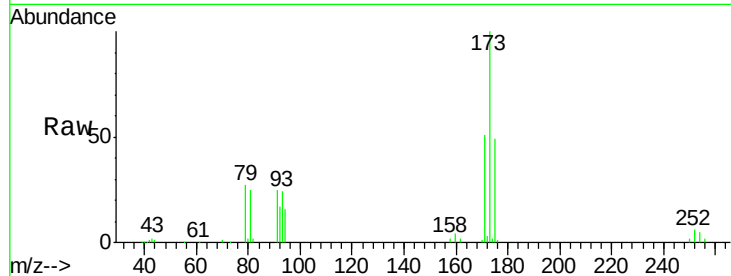
ClientSampleId :

VSTDCCC050

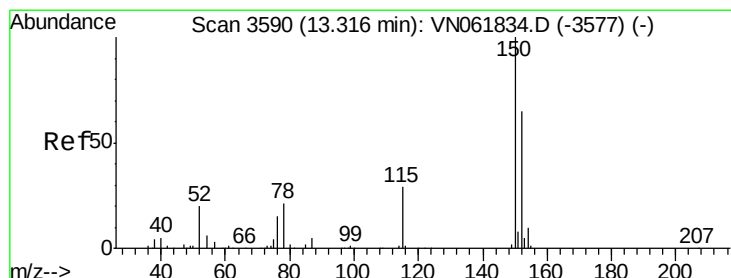
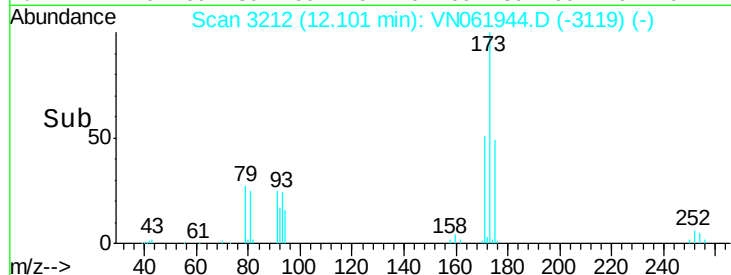
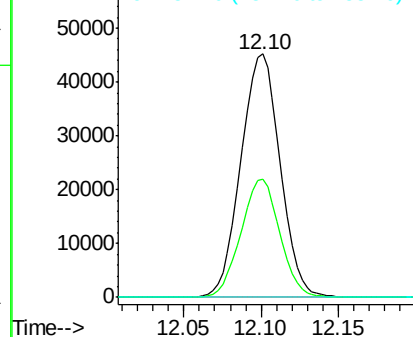
Tot Ion:	173	Resp:	79873
Ion Ratio	Lower	Upper	
173	100		
175	48.0	23.9	71.7
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

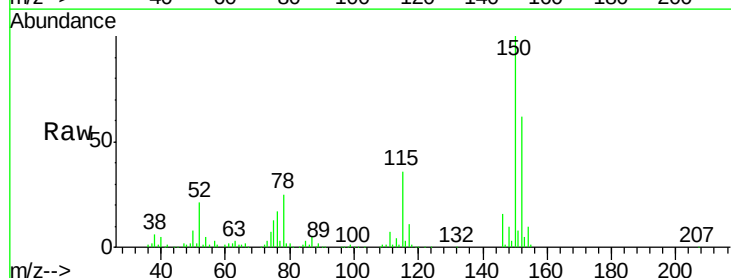
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

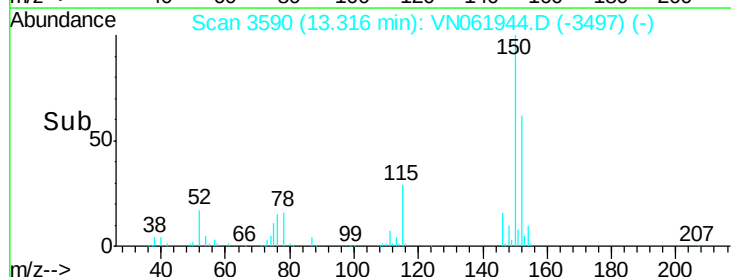
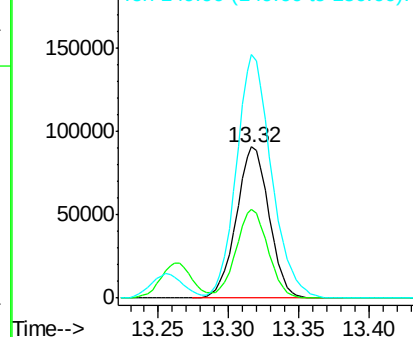
Lab File: VN061944.D

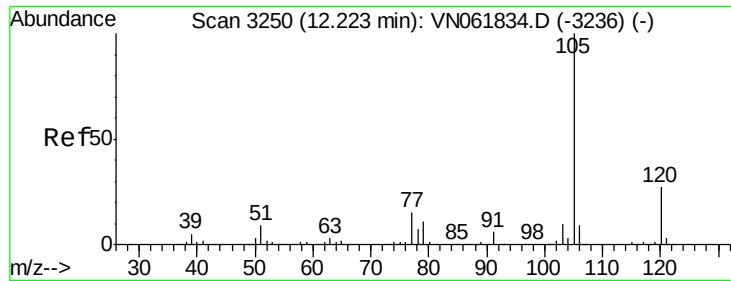
Acq: 19 Jun 2020 11:18

Tgt Ion:	152	Resp:	147451
Ion Ratio	Lower	Upper	
152	100		
115	57.5	29.1	87.3
150	173.1	0.0	347.6



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





#73

Isopropylbenzene

Concen: 50.251 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 526536

Ion Ratio Lower Upper

105 100

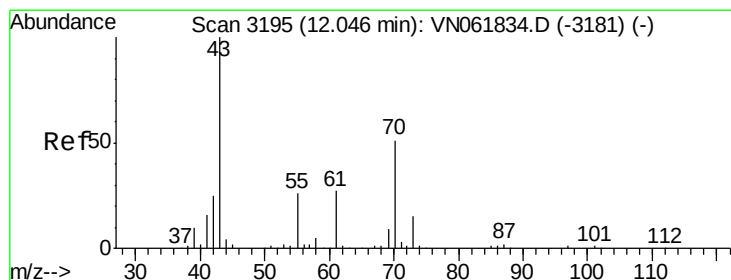
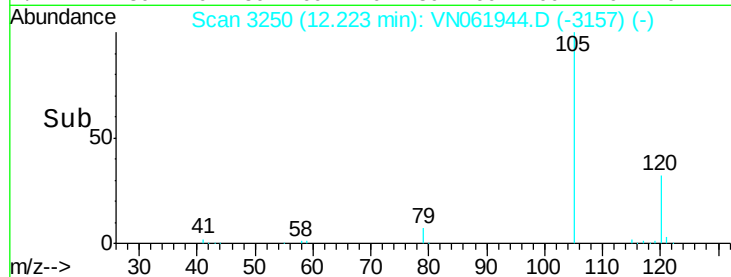
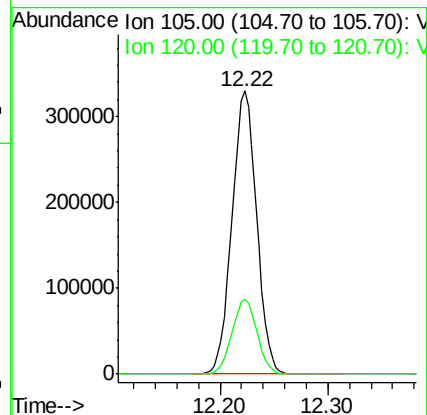
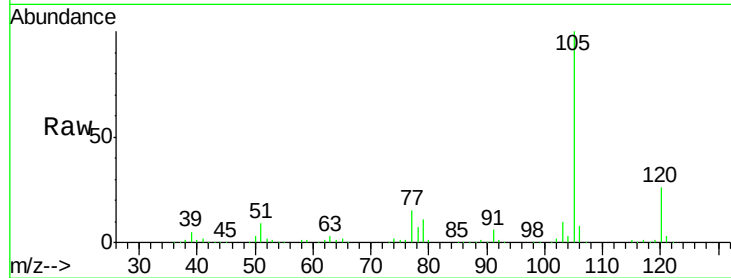
120 26.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 47.205 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Tgt Ion: 43 Resp: 178428

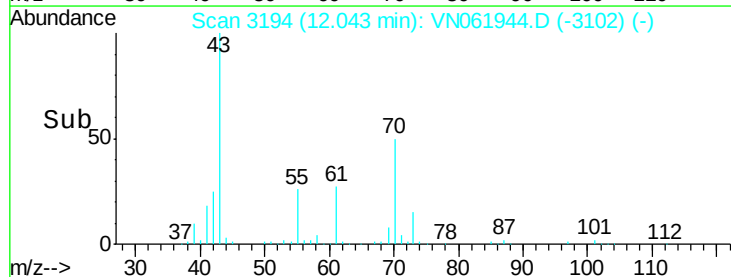
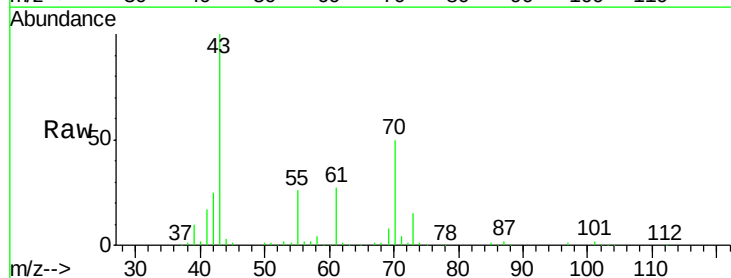
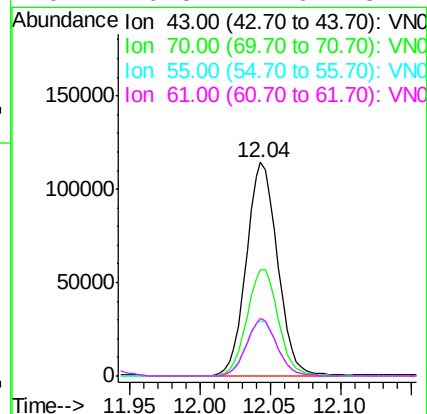
Ion Ratio Lower Upper

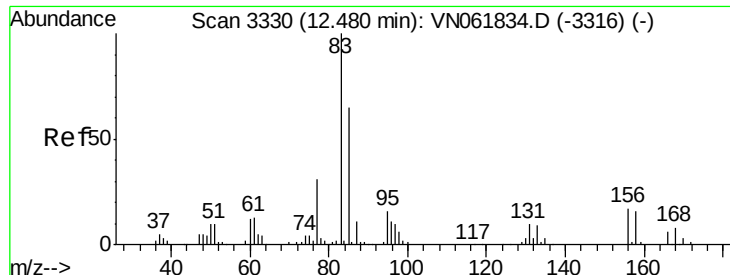
43 100

70 50.0 40.6 60.8

55 26.2 21.5 32.3

61 26.3 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.967 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

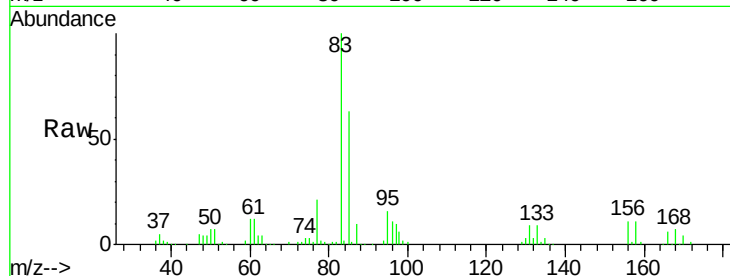
ClientSampled :

VSTDCCC050

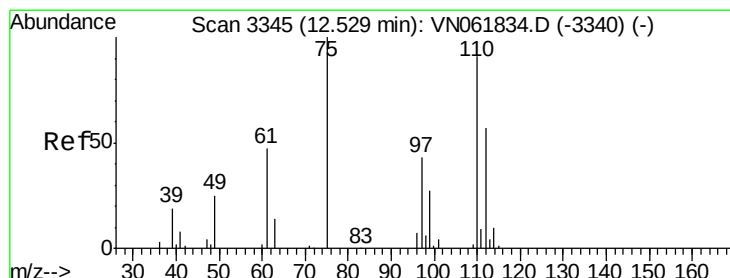
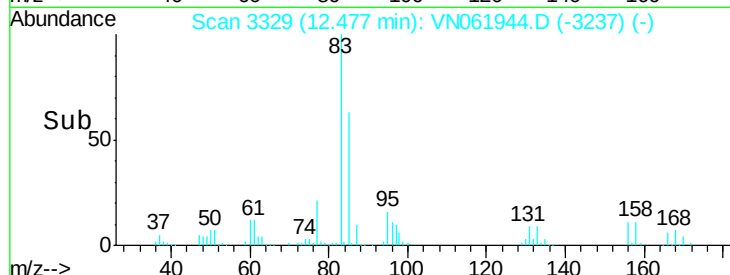
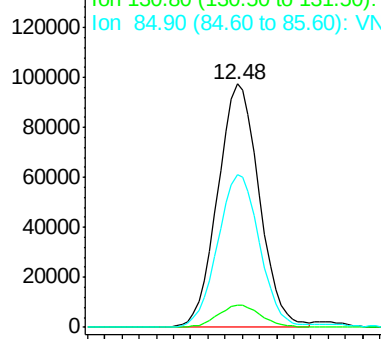
Tot Ion:	83	Resp:	163408
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	15.0
85	63.1	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061834.D (-3316) (-)



#76

1,2,3-Trichloropropane

Concen: 44.233 ug/l m

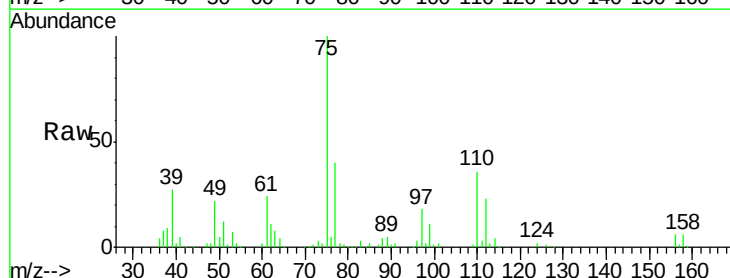
RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

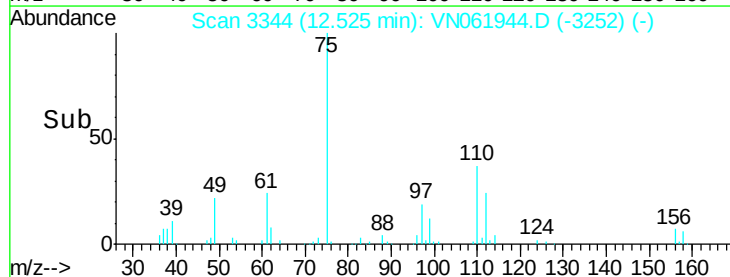
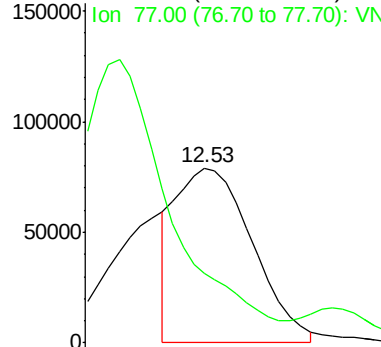
Lab File: VN061944.D

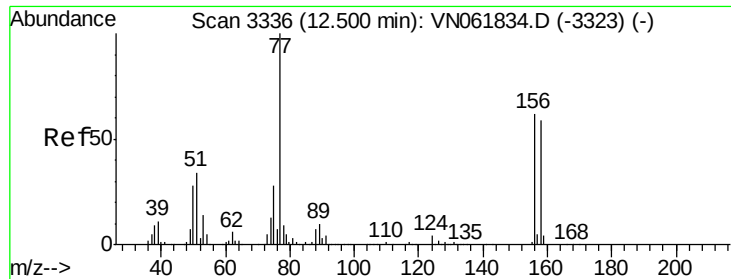
Acq: 19 Jun 2020 11:18

Tgt Ion:	75	Resp:	128048
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3340) (-)





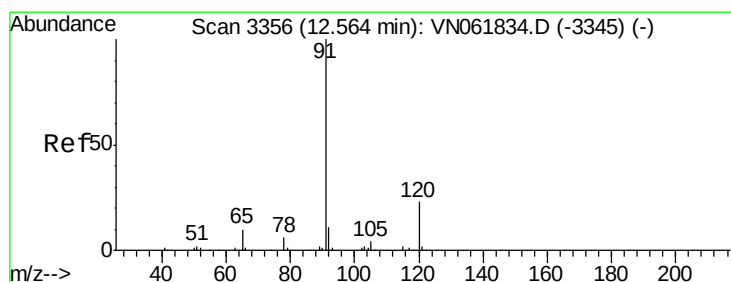
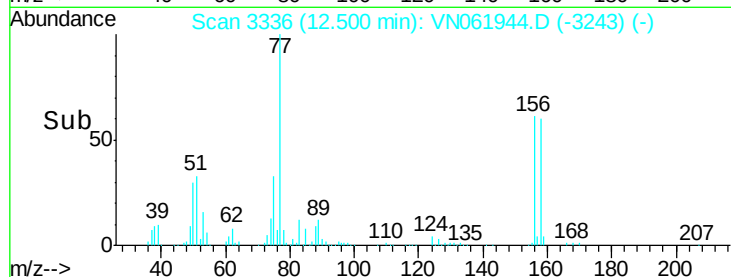
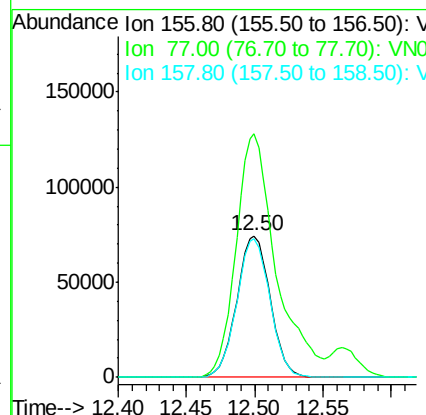
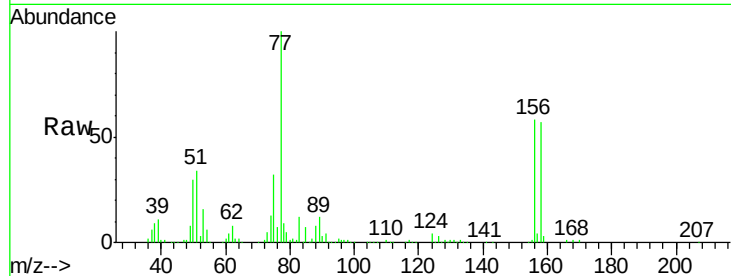
#77
Bromobenzene
Concen: 47.795 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		126346		
77	206.5	100.7	302.1		
158	97.5	48.5	145.5		

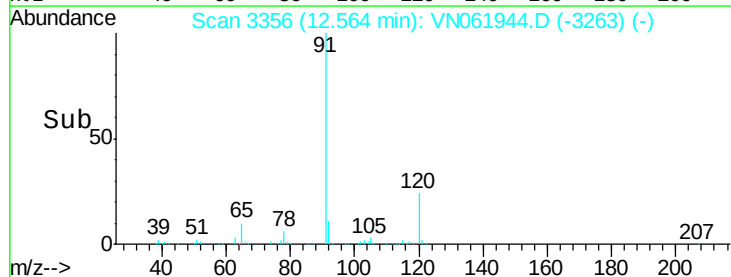
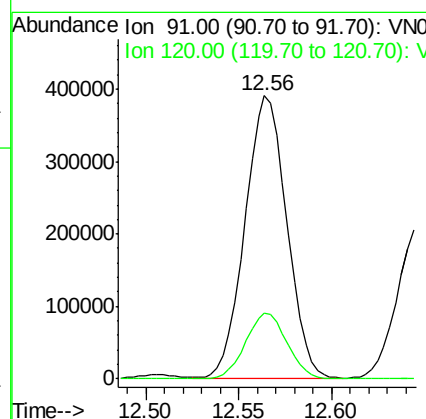
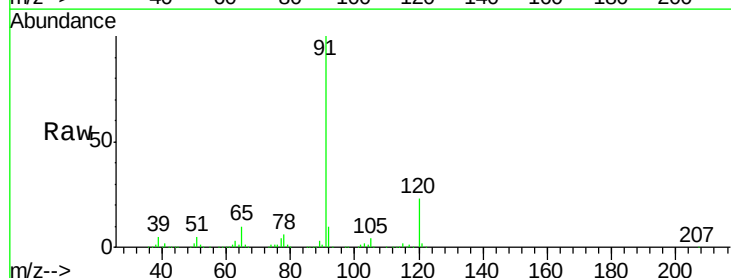
Manual Integrations
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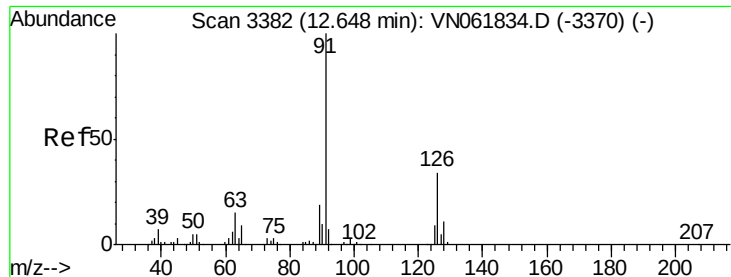
MMDadoda
6/22/2020 1:25:05 PM



#78
n-propylbenzene
Concen: 50.801 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		607372		
120	23.4	11.6	34.8		





#79

2-Chlorotoluene

Concen: 49.104 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 352596

Ion Ratio Lower Upper

91 100

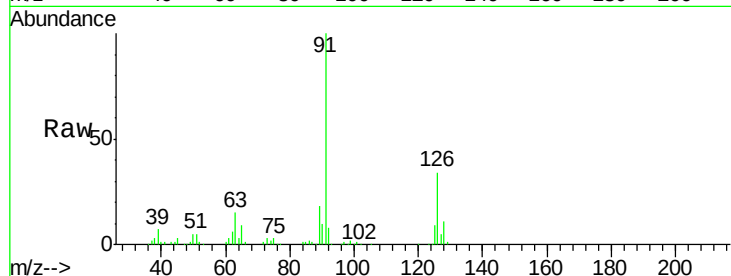
126 34.9 17.3 51.7

Manual Integrations

APPROVED

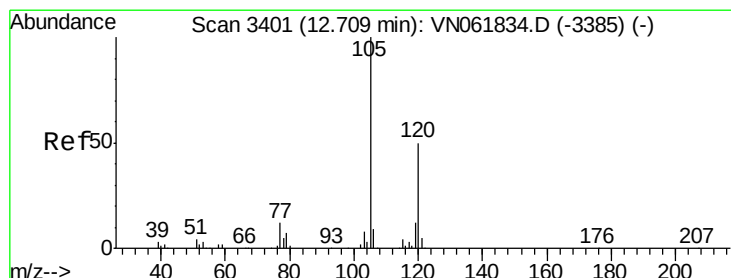
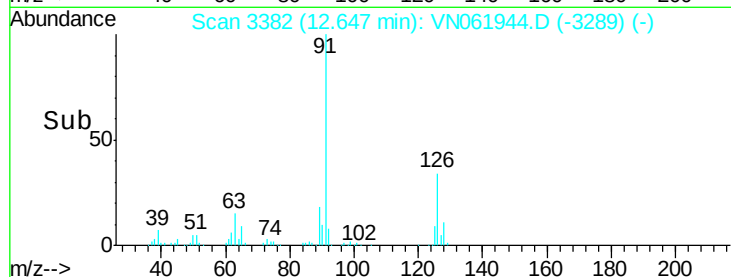
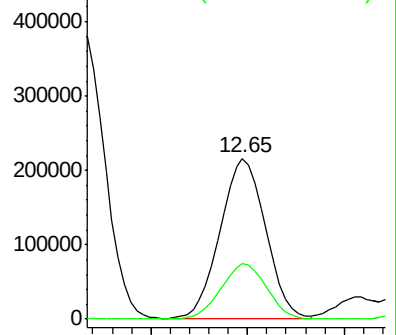
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061834.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.087 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061944.D

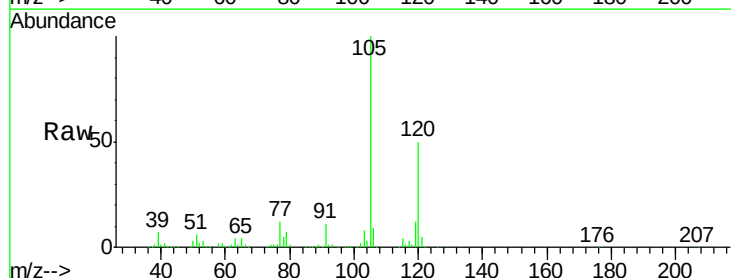
Acq: 19 Jun 2020 11:18

Tgt Ion: 105 Resp: 442859

Ion Ratio Lower Upper

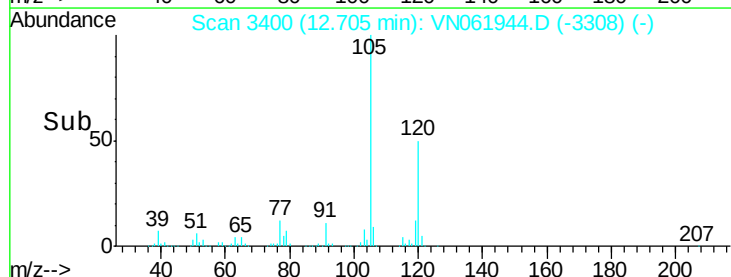
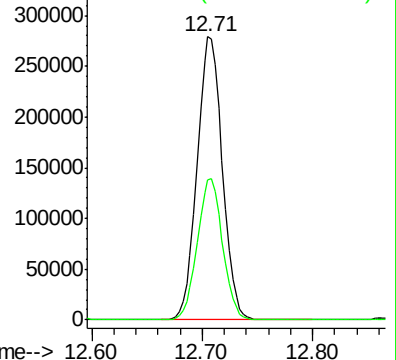
105 100

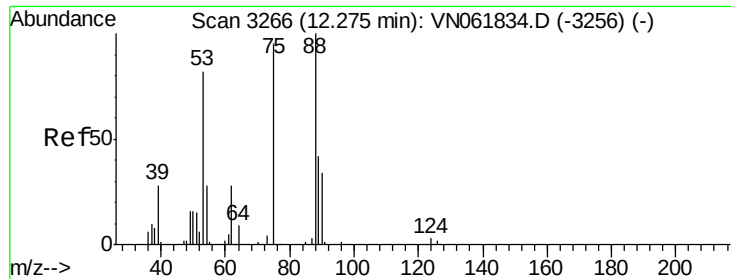
120 49.9 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061834.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061834.D (-3385) (-)





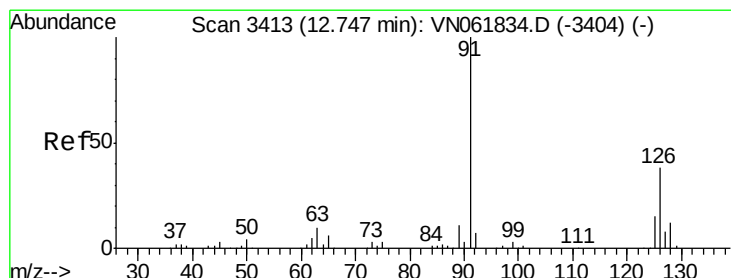
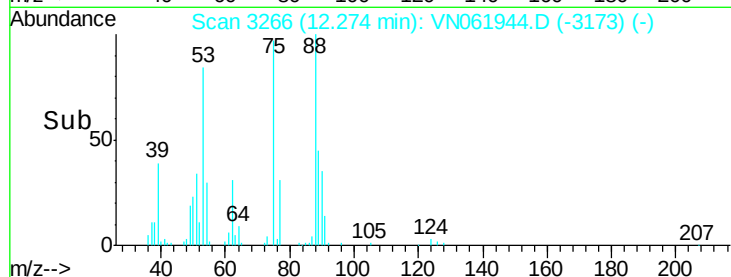
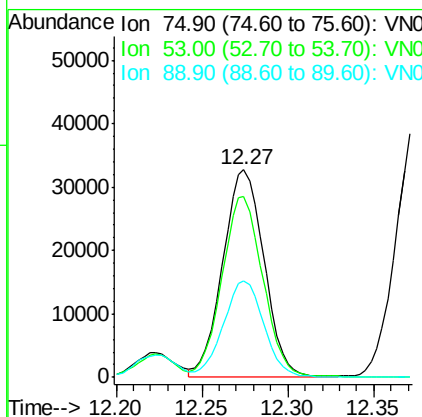
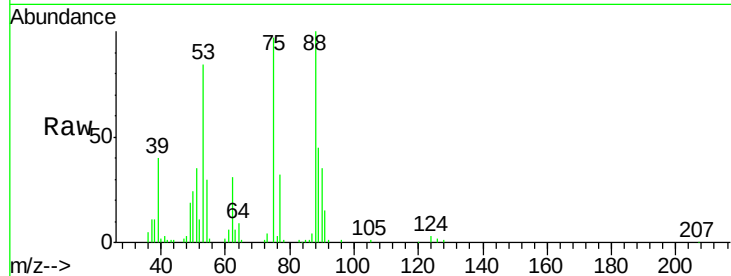
#81
trans-1,4-Dichloro-2-butene
Concen: 51.837 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.5	70.4	105.6
89	45.5	36.0	54.0

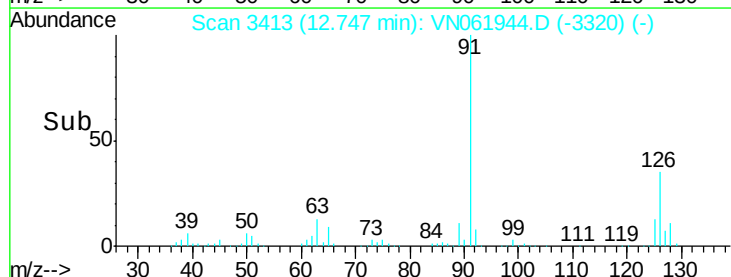
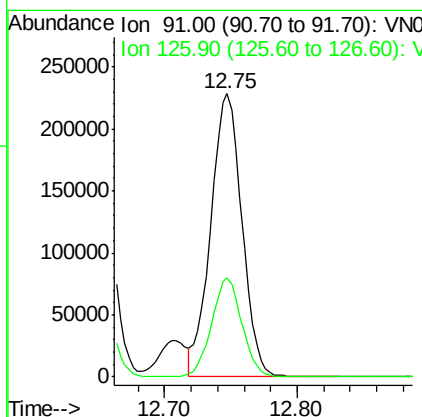
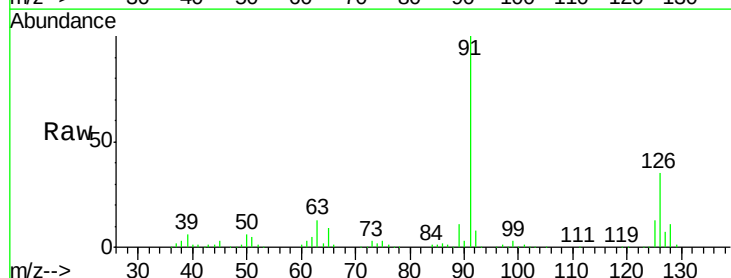
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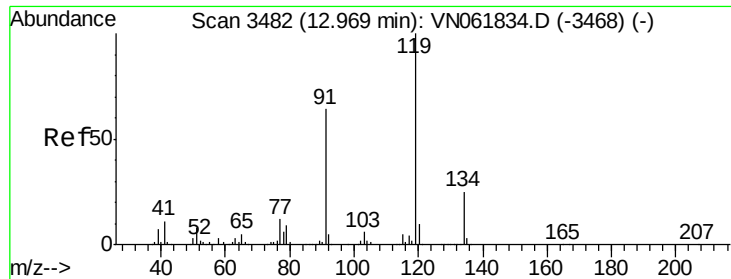
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.067 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.2	51.6





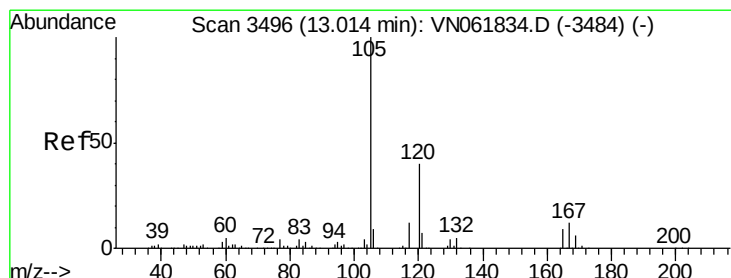
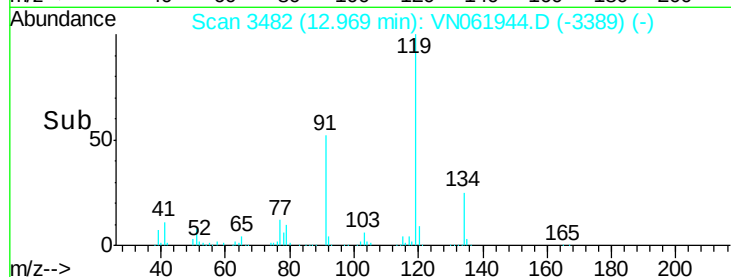
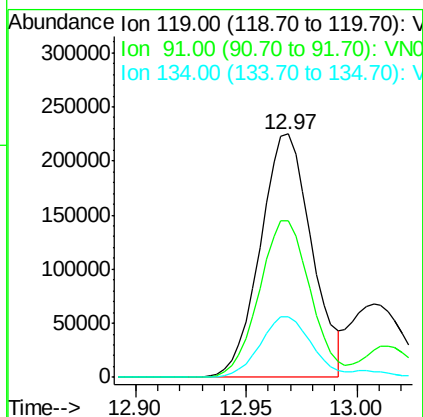
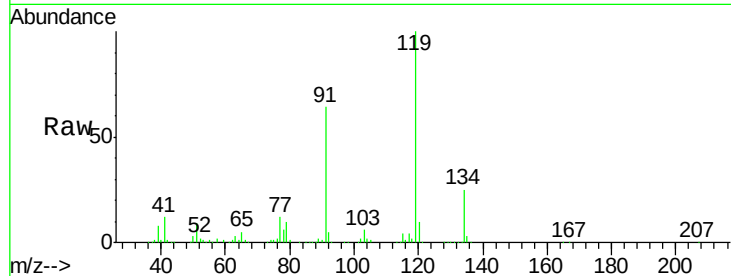
#83
 tert-Butylbenzene
 Concen: 49.437 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	363319		
91	64.1		31.5	94.5
134	25.4		13.3	39.9

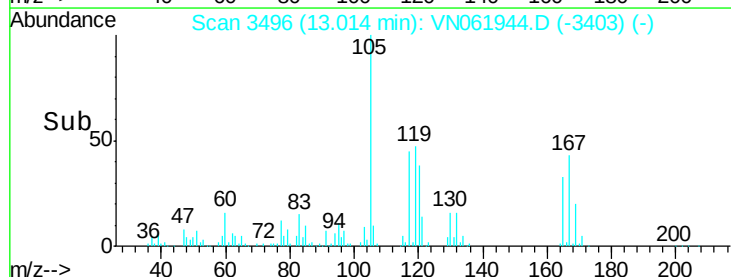
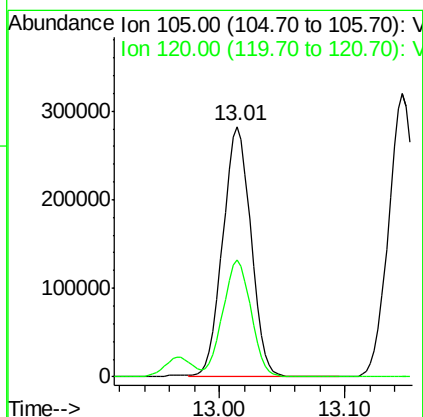
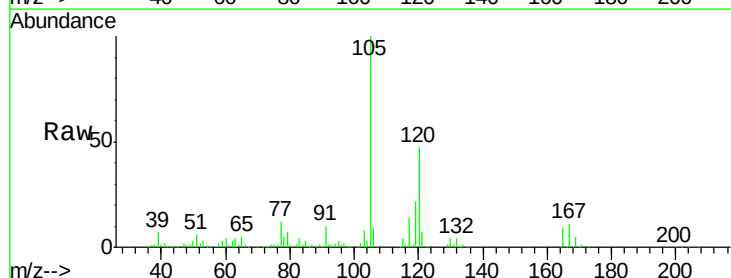
Manual Integrations
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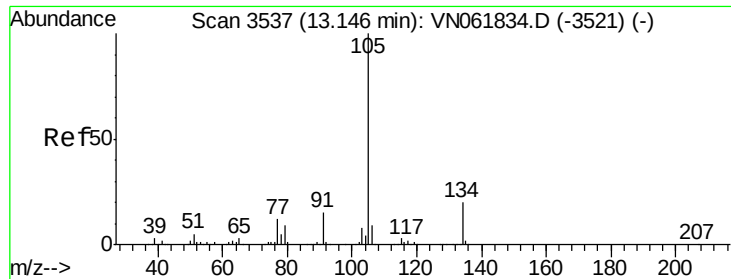
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.288 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	438879		
120	46.7		23.3	69.9





#85

sec-Butylbenzene

Concen: 51.982 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 500021

Ion Ratio Lower Upper

105 100

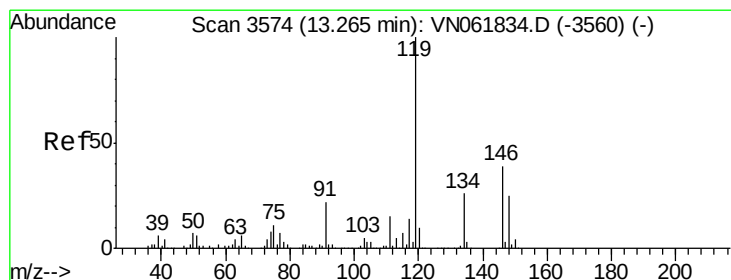
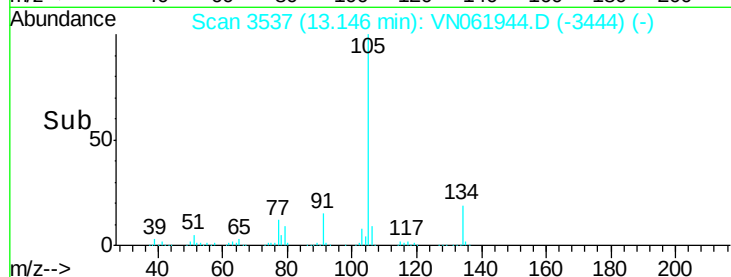
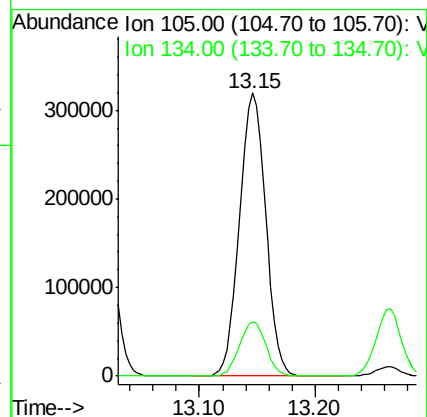
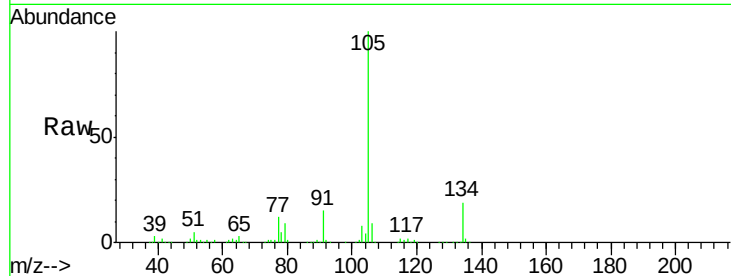
134 19.4 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.501 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

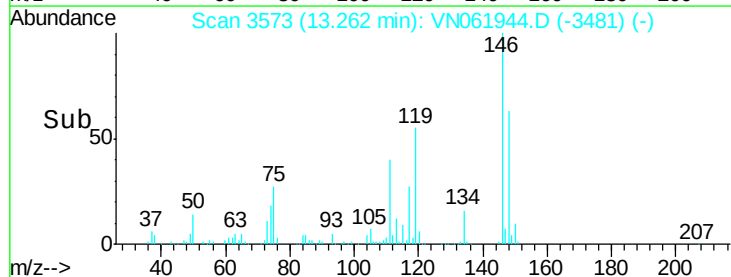
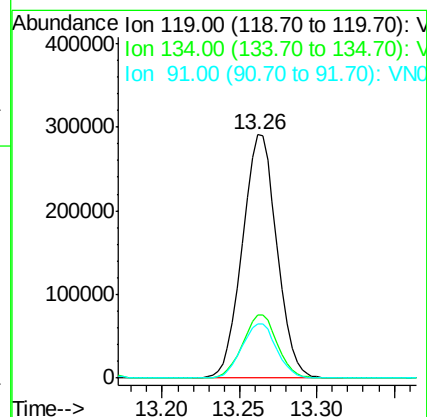
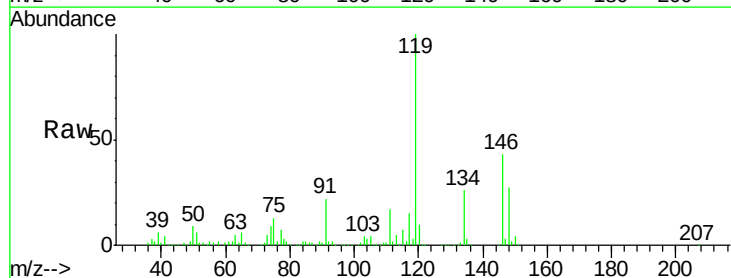
Tgt Ion:119 Resp: 450005

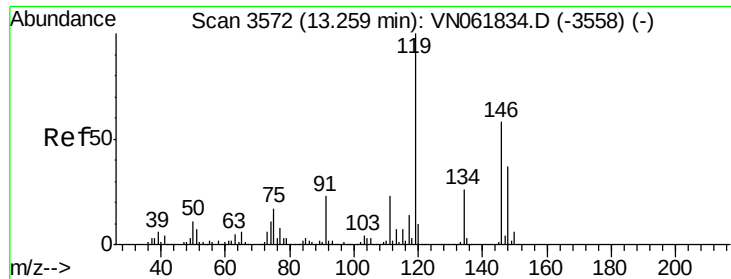
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 22.4 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 48.465 ug/l

RT: 13.26 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Instrument :

MSVOA_N

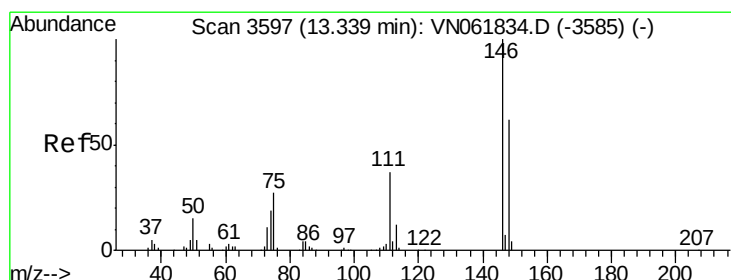
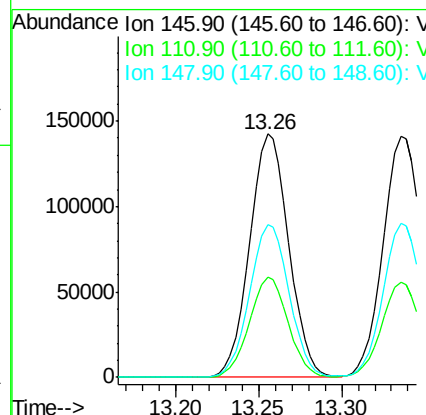
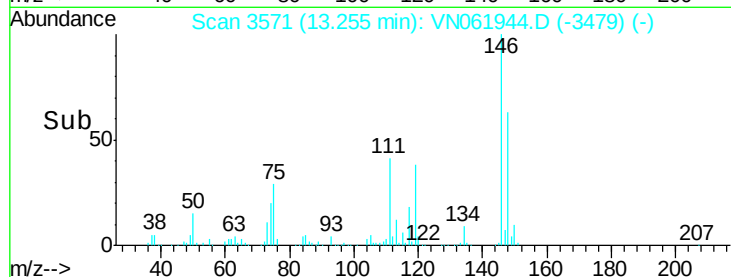
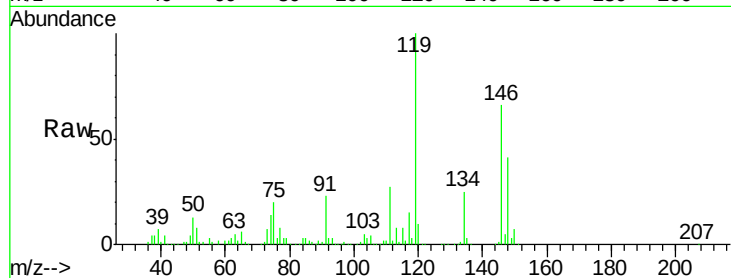
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	233665		
111	40.6	19.6	58.8	
148	63.4	31.8	95.4	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.178 ug/l

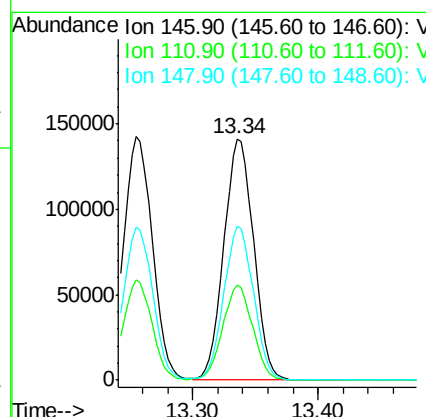
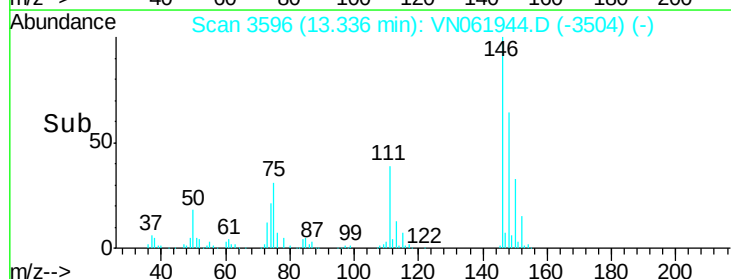
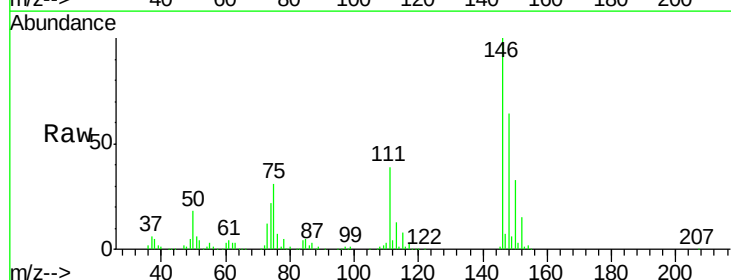
RT: 13.34 min Scan# 3596

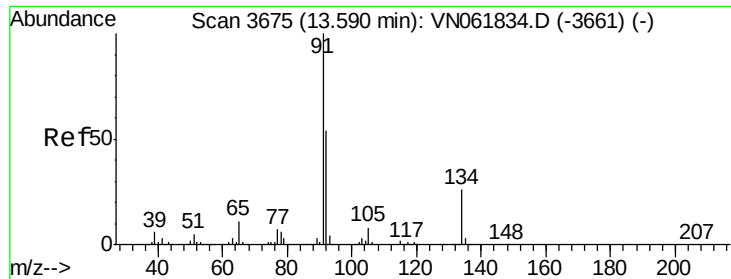
Delta R.T. -0.00 min

Lab File: VN061944.D

Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	232832		
111	39.7	19.3	57.8	
148	62.9	31.6	94.7	





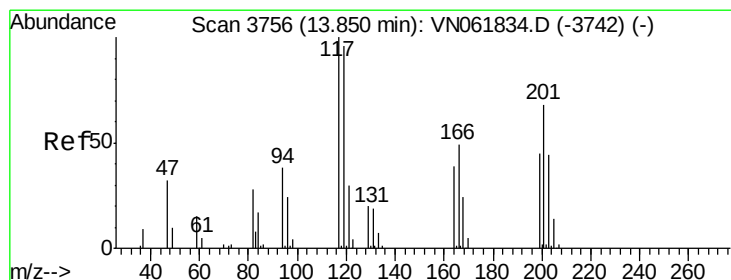
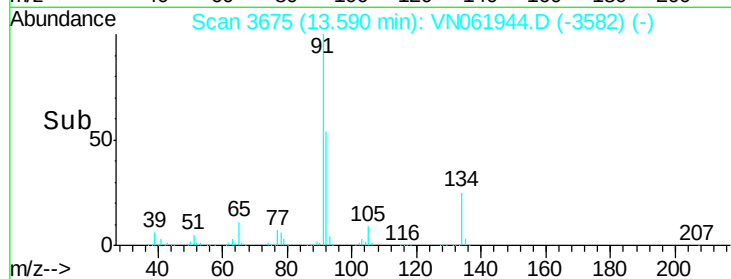
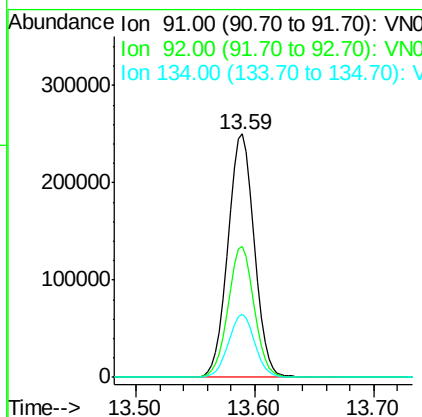
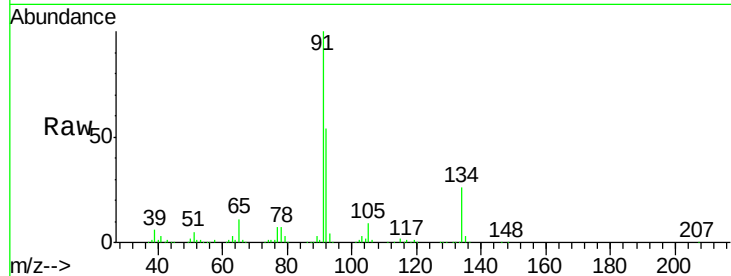
#89
n-Butylbenzene
Concen: 53.762 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

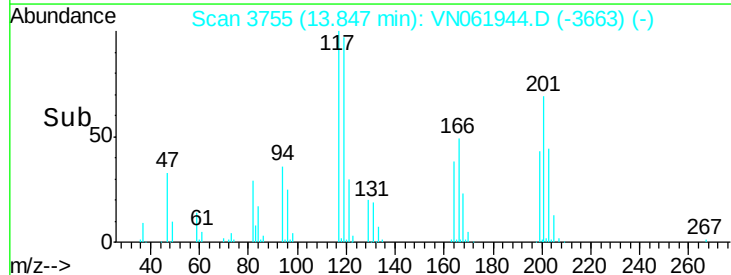
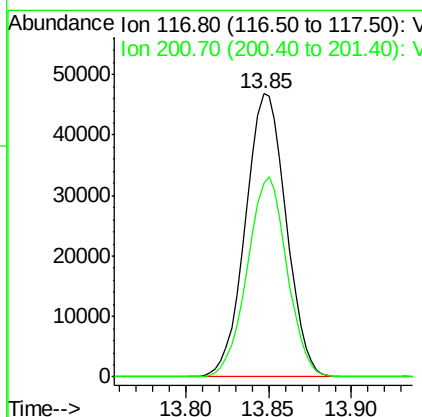
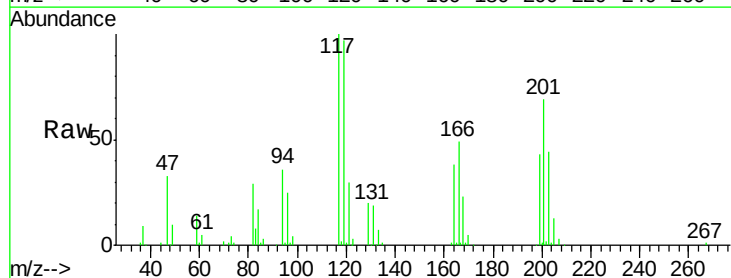
Manual Integrations
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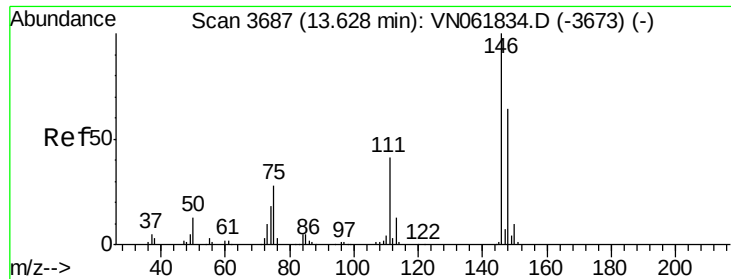
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#90
Hexachloroethane
Concen: 50.993 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.6	103.8





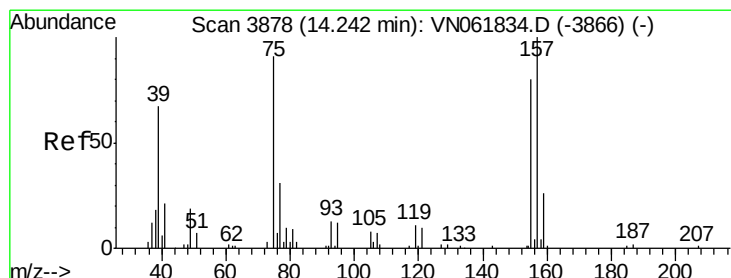
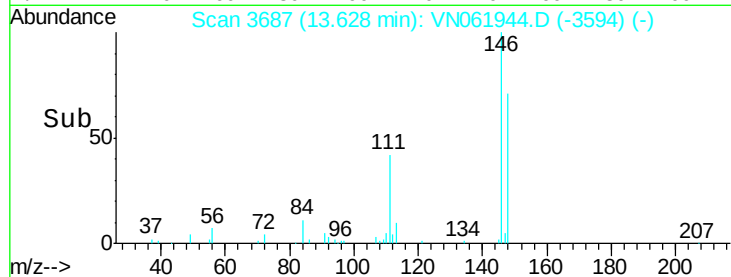
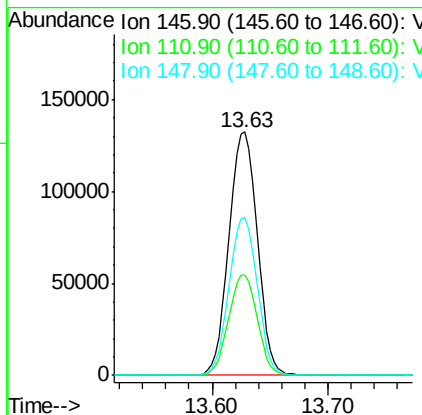
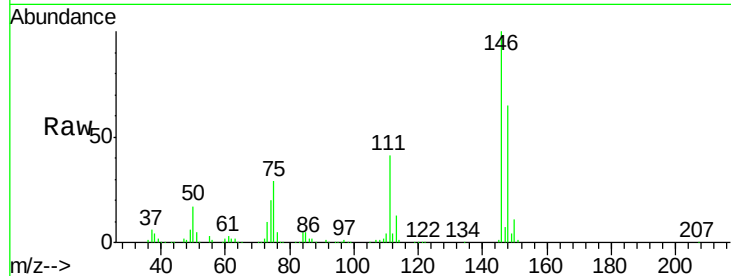
#91
 1,2-Dichlorobenzene
 Concen: 48.348 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.2
148	64.4	31.8	95.4

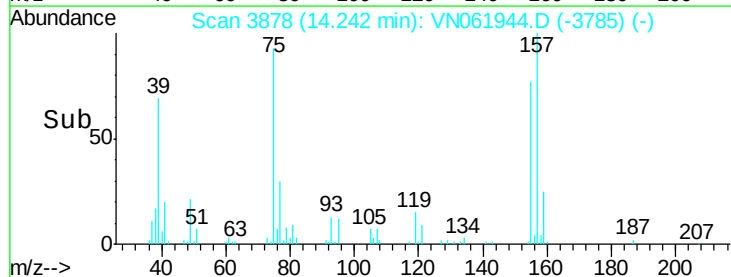
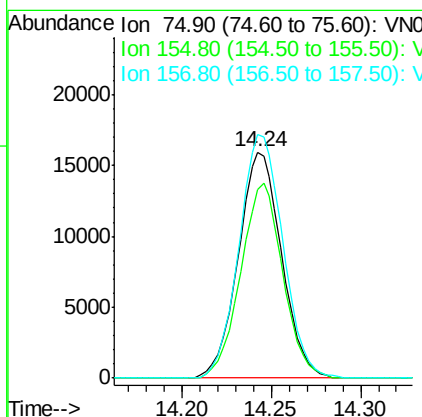
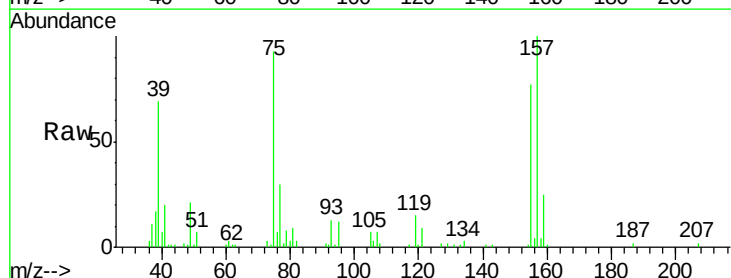
Manual Integrations
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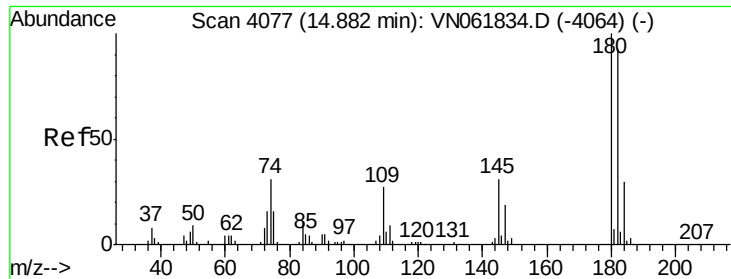
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.786 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.2	44.4	133.2
157	109.4	57.0	171.2





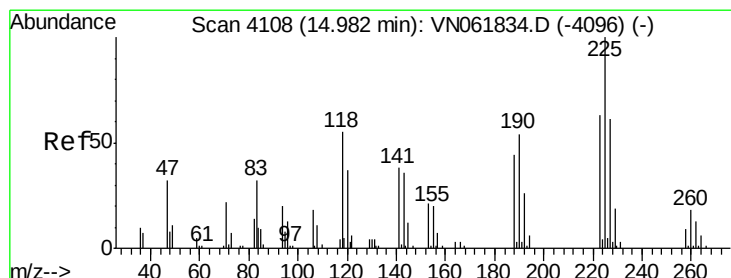
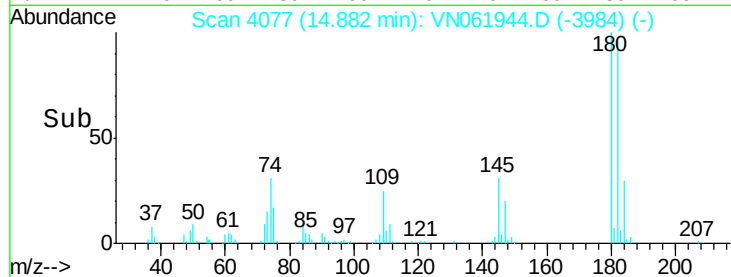
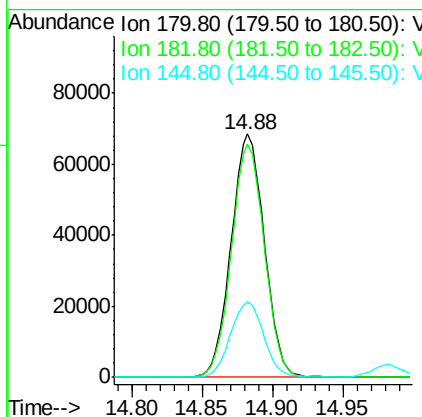
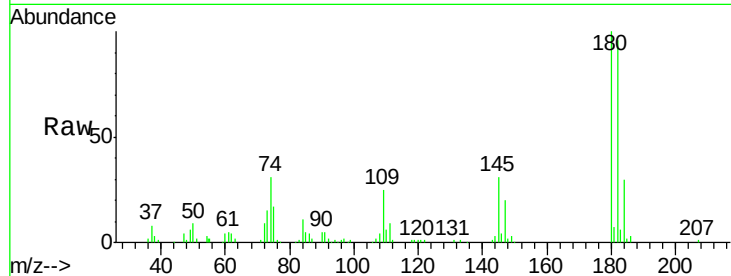
#93
 1,2,4-Trichlorobenzene
 Concen: 51.690 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113213		
182	94.8	47.0	141.2	
145	31.0	15.8	47.3	

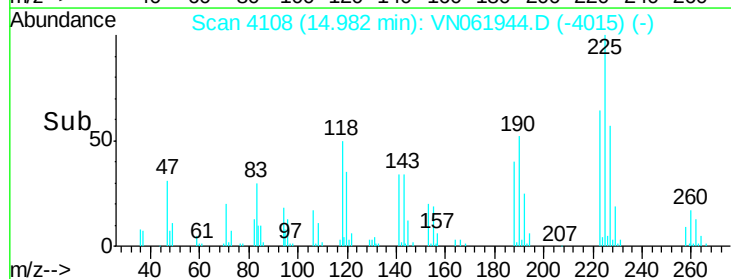
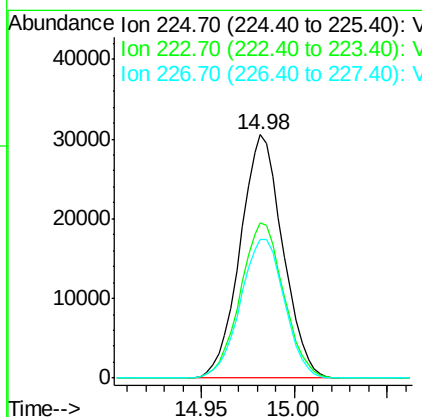
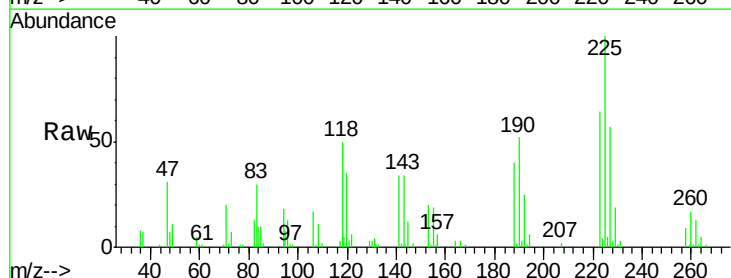
Manual Integrations
 APPROVED

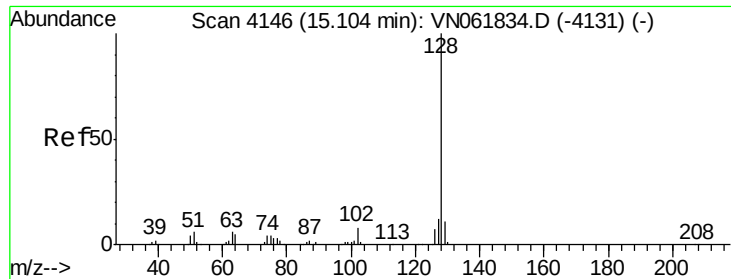
MMDadoda
 6/22/2020 1:25:05 PM



#94
 Hexachlorobutadiene
 Concen: 56.331 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061944.D
 Acq: 19 Jun 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48593		
223	65.1	31.7	95.1	
227	58.6	30.1	90.3	





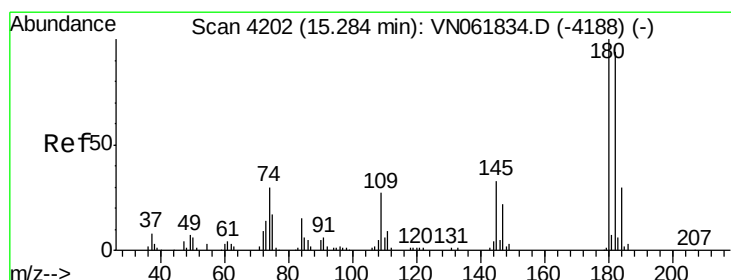
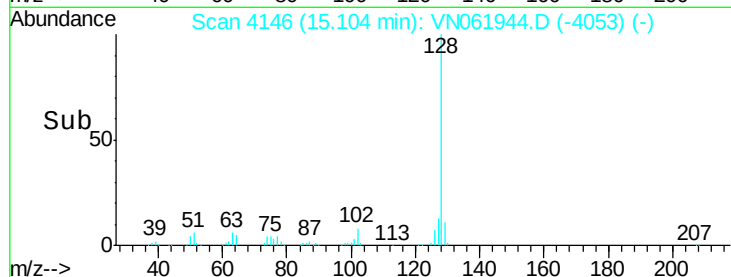
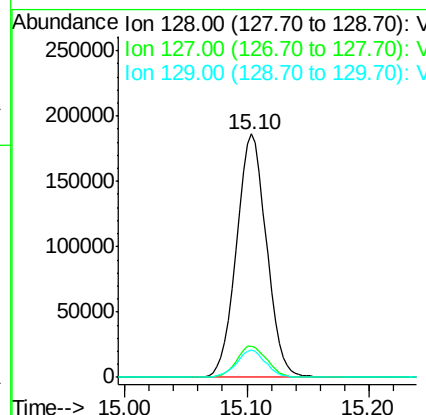
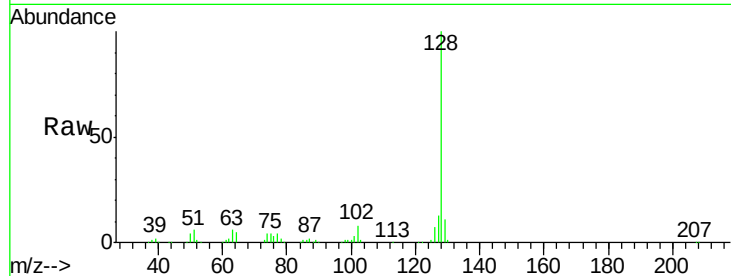
#95
Naphthalene
Concen: 43.848 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		318230		
127	13.0		10.3	15.5	
129	10.8		8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
6/22/2020 1:25:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.188 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061944.D
Acq: 19 Jun 2020 11:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		111033		
182	96.0		47.9	143.6	
145	34.2		16.5	49.5	

