

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060120\
 Data File : VN061584.D
 Acq On : 1 Jun 2020 9:51
 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
 6/2/2020 4:01:35 PM

Quant Time: Jun 02 03:59:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	392298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	625374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	599288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	307973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	193784	41.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.92%	
35) Dibromofluoromethane	7.54	113	139227	43.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.78%	
50) Toluene-d8	10.06	98	654691	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	
62) 4-Bromofluorobenzene	12.37	95	239839	44.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	200171	44.327	ug/l	100
3) Chloromethane	2.03	50	199032	41.597	ug/l	100
4) Vinyl Chloride	2.16	62	279465	42.622	ug/l	99
5) Bromomethane	2.53	94	166770	44.325	ug/l	96
6) Chloroethane	2.67	64	176330	41.780	ug/l	99
7) Trichlorofluoromethane	2.98	101	349808	41.371	ug/l	100
8) Diethyl Ether	3.37	74	104723	40.504	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	168578	44.929	ug/l	99
10) Methyl Iodide	3.91	142	205566	39.467	ug/l	100
11) Tert butyl alcohol	4.72	59	142365	228.995	ug/l	99
12) 1,1-Dichloroethene	3.69	96	165075	41.180	ug/l	98
13) Acrolein	3.56	56	46271	257.893	ug/l	92
14) Allyl chloride	4.27	41	217150	41.436	ug/l	100
15) Acrylonitrile	4.92	53	365233	210.476	ug/l	99
16) Acetone	3.77	43	360962	280.987	ug/l	98
17) Carbon Disulfide	4.00	76	345342	39.157	ug/l	99
18) Methyl Acetate	4.27	43	170960	40.405	ug/l	97
19) Methyl tert-butyl Ether	4.98	73	561557	41.104	ug/l	100
20) Methylene Chloride	4.50	84	184590	43.214	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	190586	42.159	ug/l	95
22) Diisopropyl ether	5.90	45	484656	41.960	ug/l	98
23) Vinyl Acetate	5.83	43	1868975	203.016	ug/l	99
24) 1,1-Dichloroethane	5.79	63	304239	41.538	ug/l	99
25) 2-Butanone	6.78	43	489240	220.862	ug/l	99
26) 2,2-Dichloropropane	6.77	77	294322	43.904	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	219781	42.934	ug/l	99
28) Bromochloromethane	7.15	49	135056	49.092	ug/l	99
29) Tetrahydrofuran	7.16	42	292077	199.957	ug/l	98
30) Chloroform	7.32	83	342702	42.292	ug/l	100
31) Cyclohexane	7.61	56	271548	41.223	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	315679	42.754	ug/l	100
36) 1,1-Dichloropropene	7.75	75	250284	45.209	ug/l	99
37) Ethyl Acetate	6.87	43	191207	42.881	ug/l	98
38) Carbon Tetrachloride	7.73	117	263615	49.366	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	317338	46.505	ug/l	97
40) Benzene	8.00	78	763052	44.671	ug/l	100
41) Methacrylonitrile	7.12	41	95741m	46.864	ug/l	
42) 1,2-Dichloroethane	8.08	62	250590	43.819	ug/l	99
43) Isopropyl Acetate	8.12	43	341032	42.511	ug/l	99
44) Trichloroethene	8.80	130	236065	44.968	ug/l	94
45) 1,2-Dichloropropane	9.08	63	181316	44.702	ug/l	99
46) Dibromomethane	9.17	93	139294	44.777	ug/l	99
47) Bromodichloromethane	9.36	83	282851	45.893	ug/l	99
48) Methyl methacrylate	9.16	41	147133	40.764	ug/l	98
49) 1,4-Dioxane	9.16	88	59504	1064.185	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	970821	214.747	ug/l	99
52) Toluene	10.12	92	510738	45.810	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	302645	45.583	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	324910	45.513	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	197837	44.540	ug/l	98
56) Ethyl methacrylate	10.40	69	278564	44.895	ug/l	98
57) 1,3-Dichloropropane	10.68	76	319680	44.999	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	568394	214.360	ug/l	99
59) 2-Hexanone	10.72	43	744512	229.314	ug/l	100
60) Dibromochloromethane	10.87	129	237779	47.087	ug/l	99
61) 1,2-Dibromoethane	10.98	107	214486	46.299	ug/l	99
64) Tetrachloroethene	10.60	164	252861	44.824	ug/l	98
65) Chlorobenzene	11.40	112	559066	44.880	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	211283	45.551	ug/l	99
67) Ethyl Benzene	11.48	91	978265	45.436	ug/l	100
68) m/p-Xylenes	11.59	106	777742	91.103	ug/l	99
69) o-Xylene	11.92	106	370092	45.643	ug/l	98
70) Styrene	11.93	104	624205	46.486	ug/l	99
71) Bromoform	12.10	173	166378	46.550	ug/l #	100
73) Isopropylbenzene	12.22	105	981156	43.650	ug/l	100
74) N-amyl acetate	12.04	43	296023	41.818	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	256486	40.718	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	232191m	41.462	ug/l	
77) Bromobenzene	12.50	156	251569	43.845	ug/l	99
78) n-propylbenzene	12.56	91	1116095	44.477	ug/l	100
79) 2-Chlorotoluene	12.65	91	642399	42.932	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	835718	44.483	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	95057	43.407	ug/l	99
82) 4-Chlorotoluene	12.74	91	671011	42.627	ug/l	99
83) tert-Butylbenzene	12.97	119	713714	42.996	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	835488	44.764	ug/l	98
85) sec-Butylbenzene	13.15	105	956100	44.699	ug/l	100
86) p-Isopropyltoluene	13.26	119	902247	45.803	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	455436	44.825	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	460654	44.505	ug/l	99
89) n-Butylbenzene	13.59	91	766125	46.434	ug/l	99
90) Hexachloroethane	13.85	117	119688	54.941	ug/l	97
91) 1,2-Dichlorobenzene	13.62	146	438321	45.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49888	38.834	ug/l	97

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ClientSampleId :
VSTDCCC050

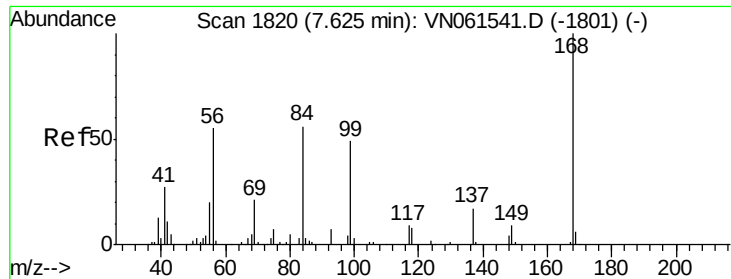
Manual Integrations
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6/2/2020 4:01:35 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	263672	46.432	ug/l	99
94) Hexachlorobutadiene	14.98	225	114659	47.343	ug/l	99
95) Naphthalene	15.10	128	756955	43.794	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	255974	45.847	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

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Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 392298

Ion Ratio Lower Upper

168 100

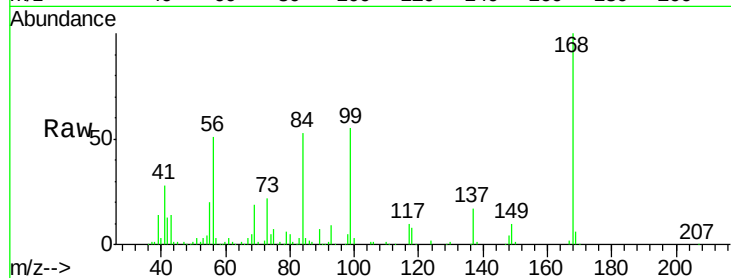
99 54.8 45.0 67.4

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

150000

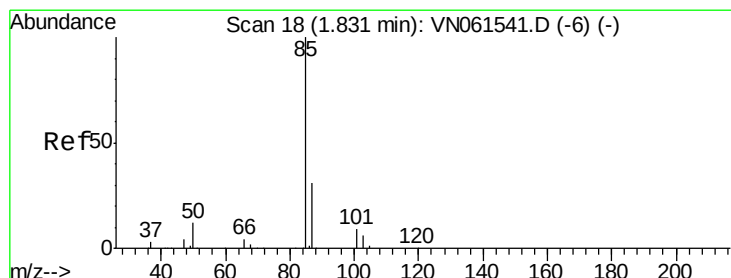
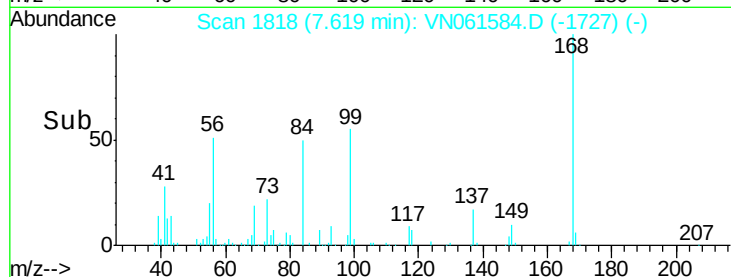
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.327 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061584.D

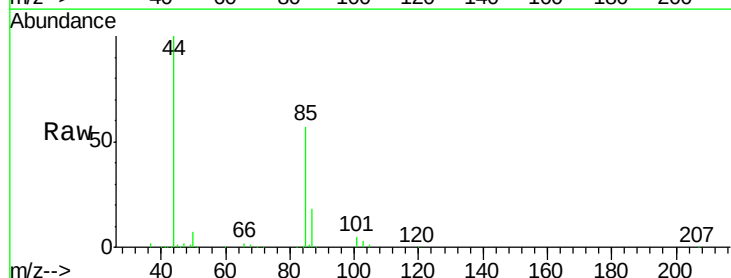
Acq: 1 Jun 2020 9:51

Tgt Ion: 85 Resp: 200171

Ion Ratio Lower Upper

85 100

87 31.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

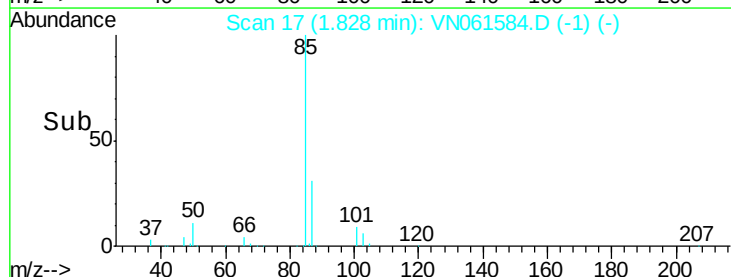
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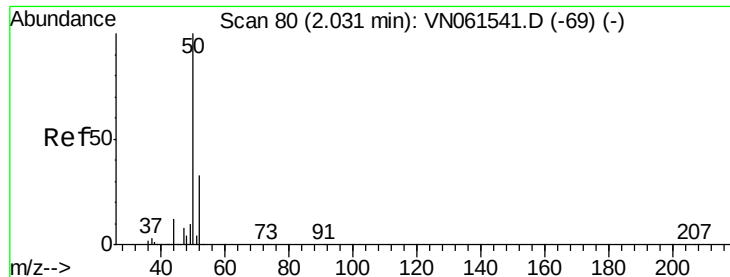
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 41.597 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 199032

Ion Ratio Lower Upper

50 100

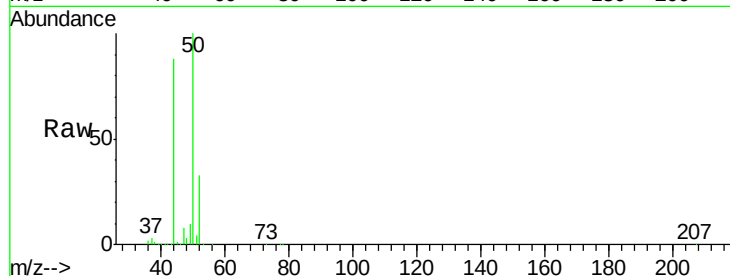
52 33.3 26.7 40.1

Manual Integrations

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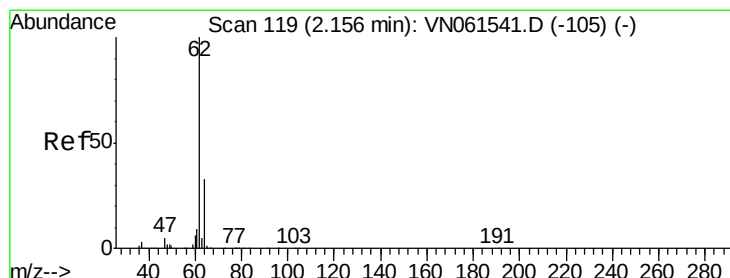
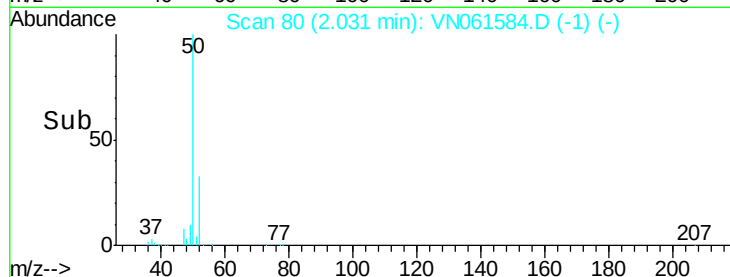
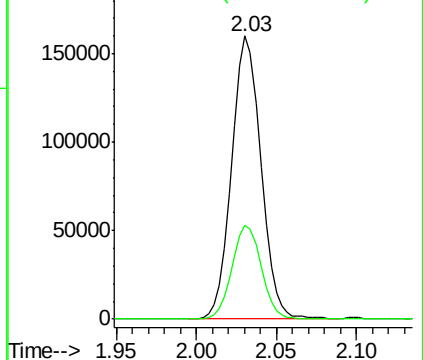
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 42.622 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061584.D

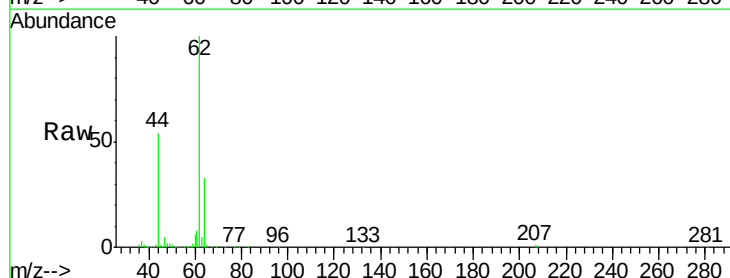
Acq: 1 Jun 2020 9:51

Tgt Ion: 62 Resp: 279465

Ion Ratio Lower Upper

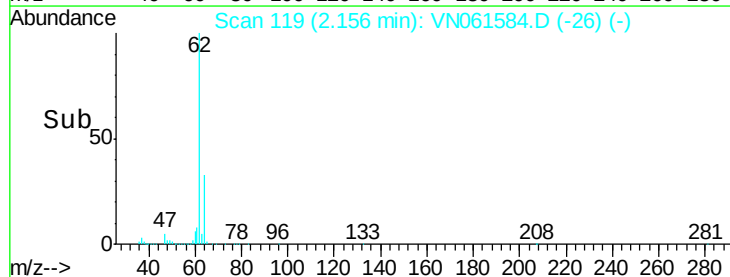
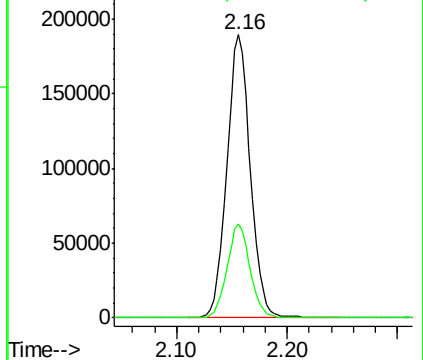
62 100

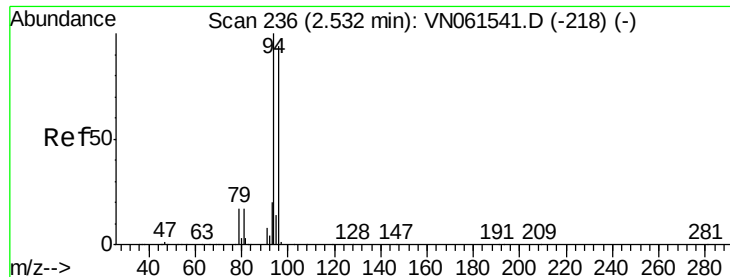
64 33.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.325 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 166770

Ion Ratio Lower Upper

94 100

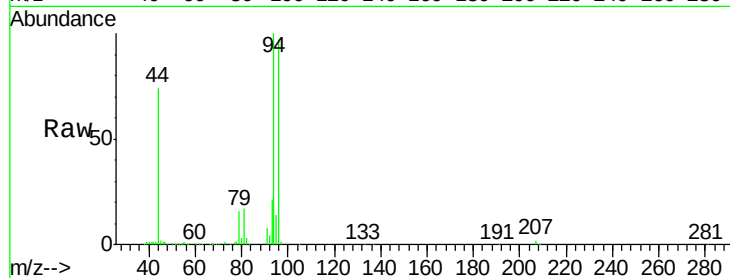
96 97.0 74.8 112.2

Manual Integrations

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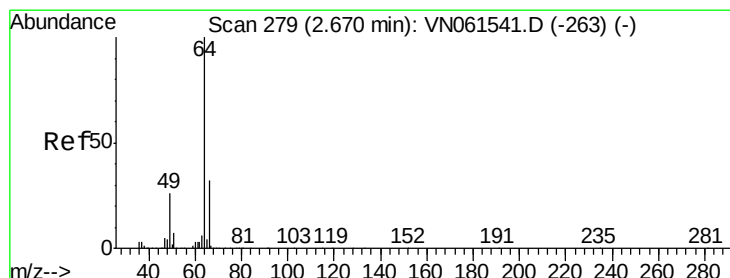
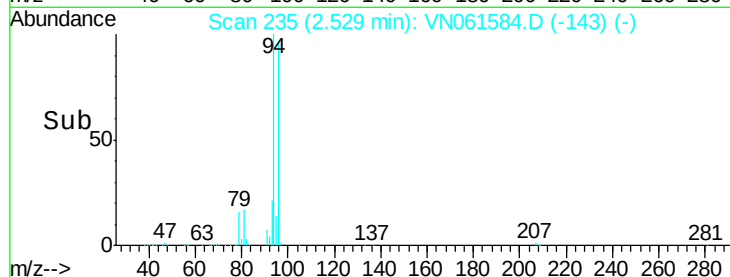
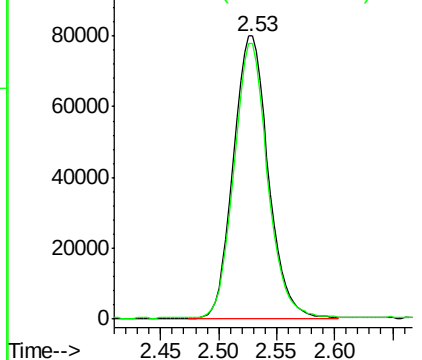
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 41.780 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061584.D

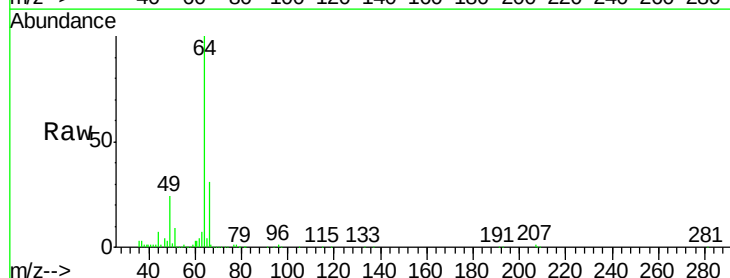
Acq: 1 Jun 2020 9:51

Tgt Ion: 64 Resp: 176330

Ion Ratio Lower Upper

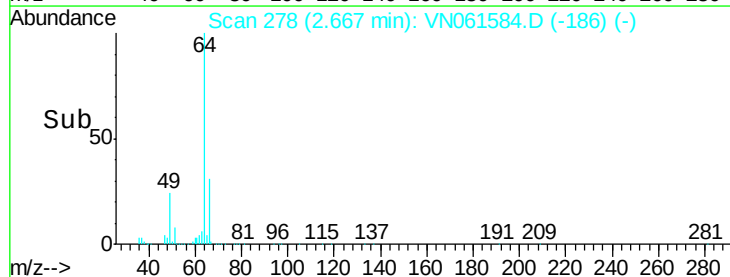
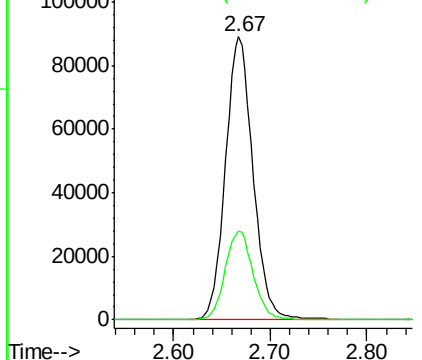
64 100

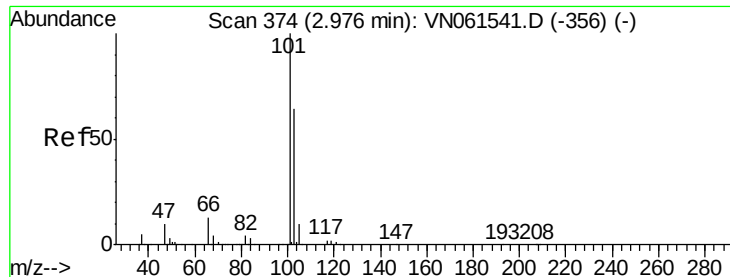
66 31.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

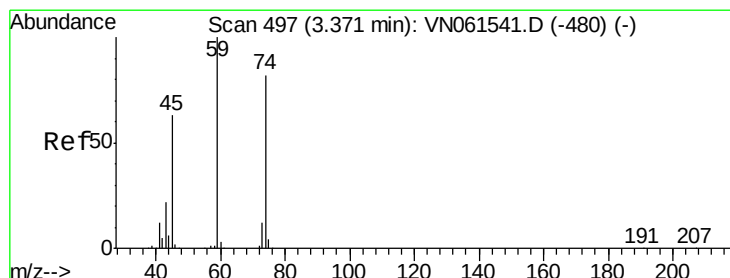
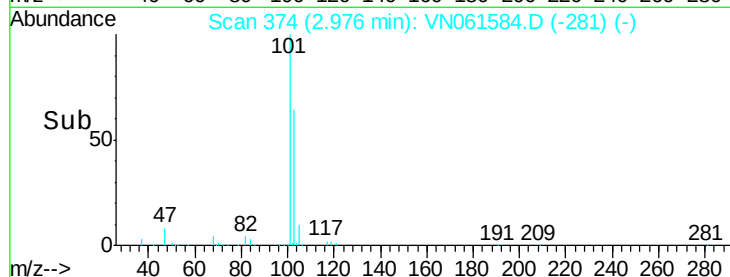
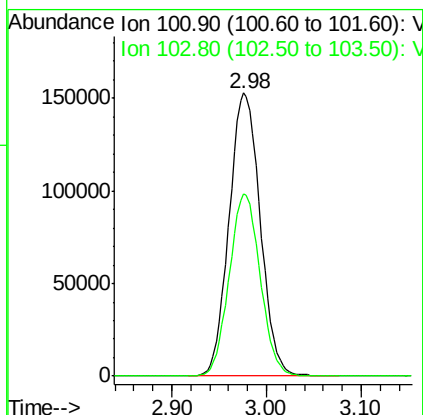
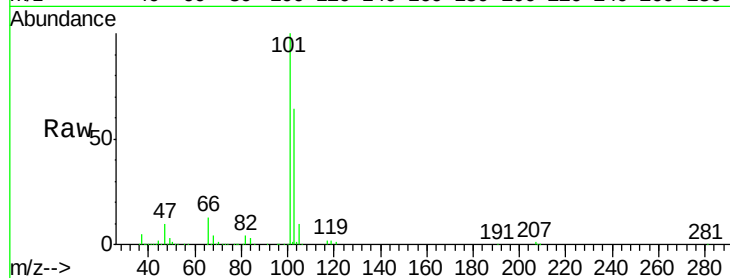
Trichlorofluoromethane
Concen: 41.371 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	349808		
103	64.5	51.4	77.2	

Manual Integrations
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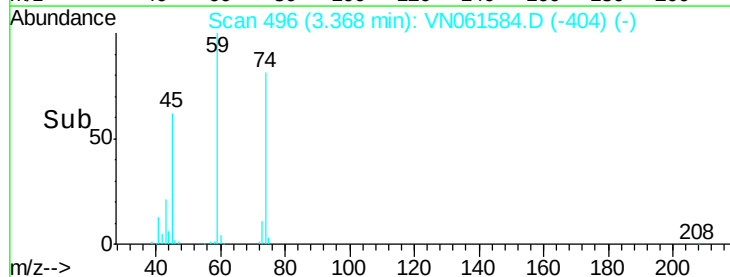
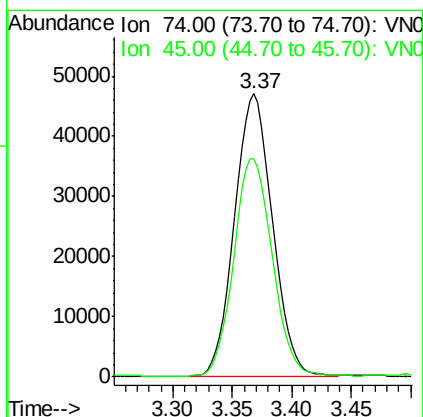
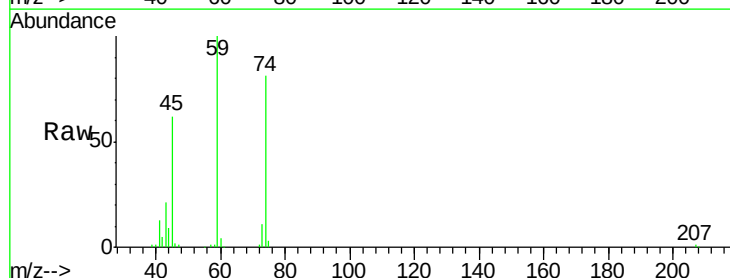
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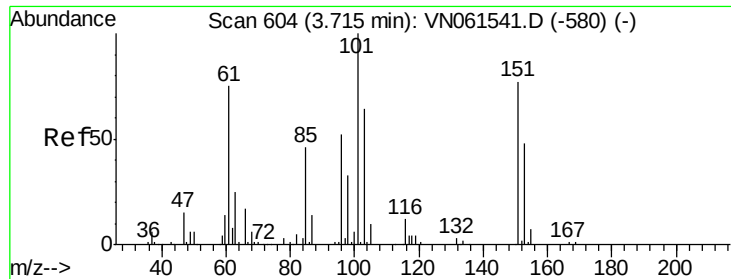


#8

Diethyl Ether
Concen: 40.504 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	104723		
45	78.6	39.9	119.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.929 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

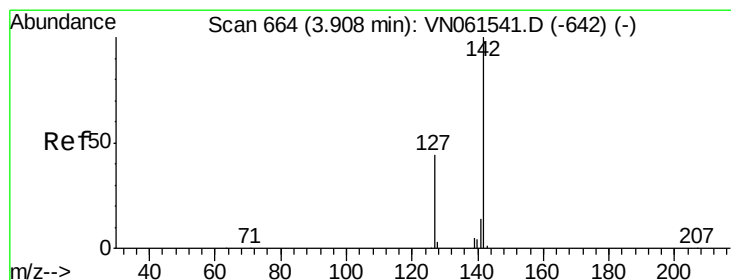
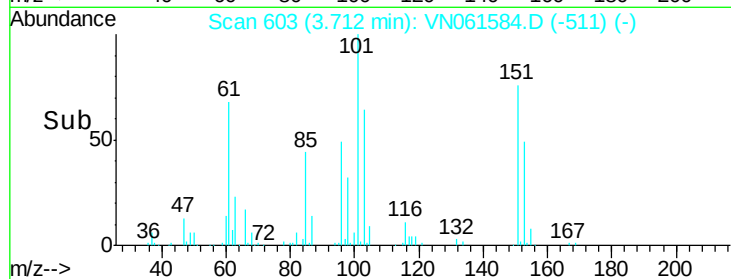
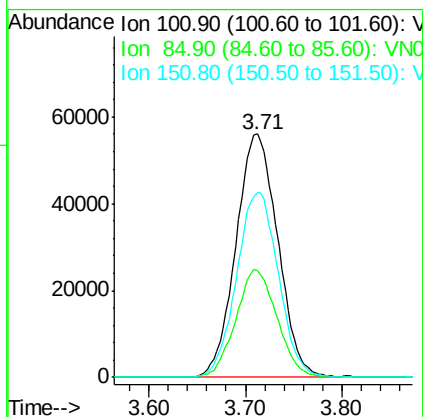
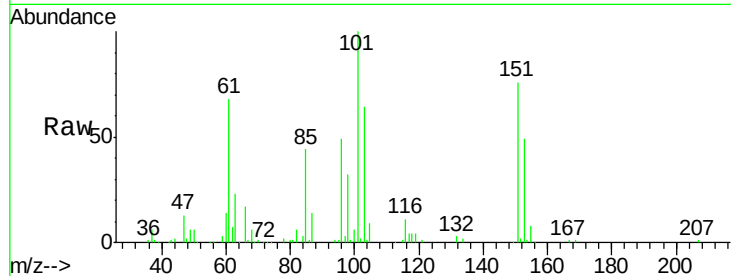
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	168578
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.2	52.8
151	75.9	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 39.467 ug/l

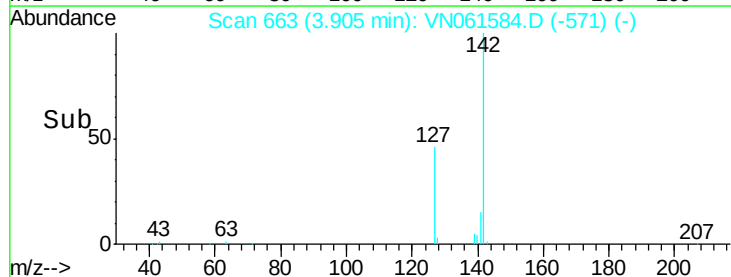
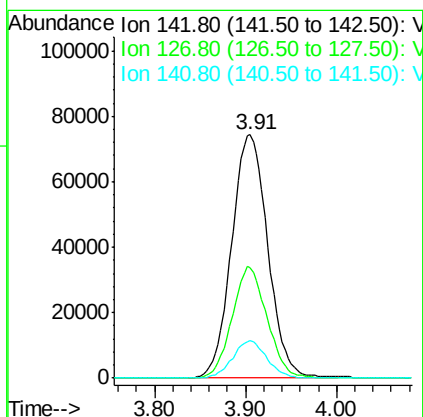
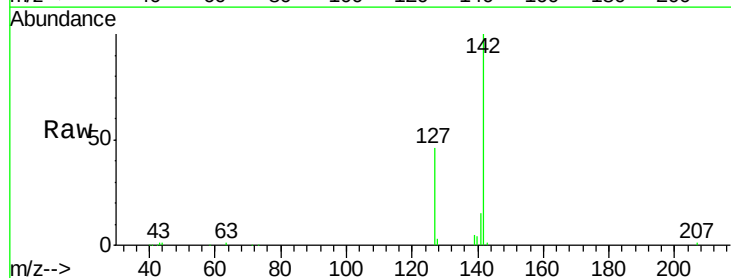
RT: 3.91 min Scan# 663

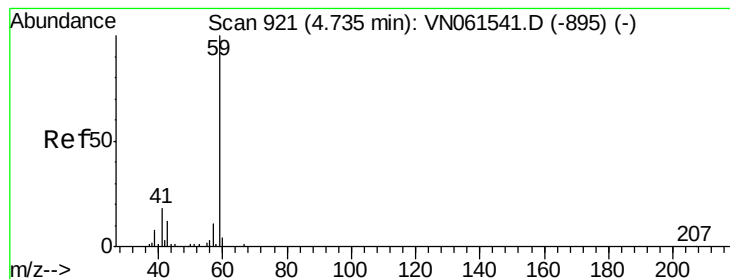
Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Tgt Ion:	142	Resp:	205566
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.5	53.3
141	14.4	11.5	17.3





#11

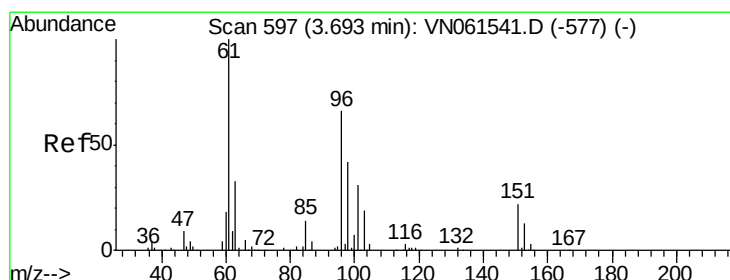
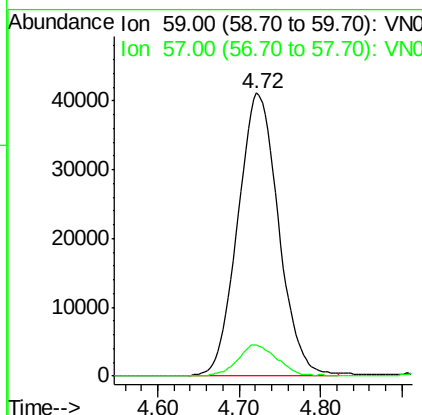
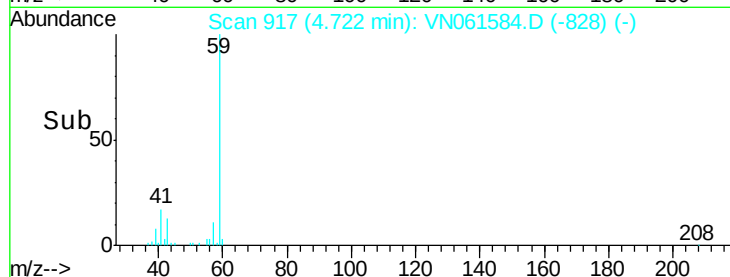
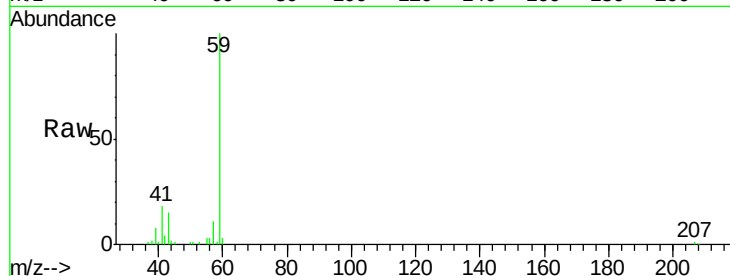
Tert butyl alcohol
Concen: 228.995 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	142365		
57	10.8		8.4	12.6

Manual Integrations
APPROVED

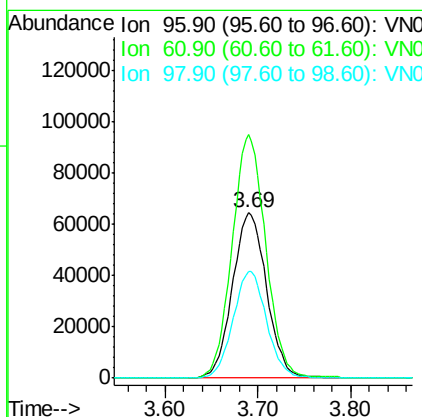
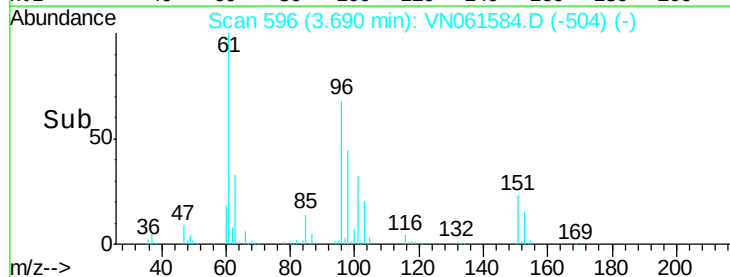
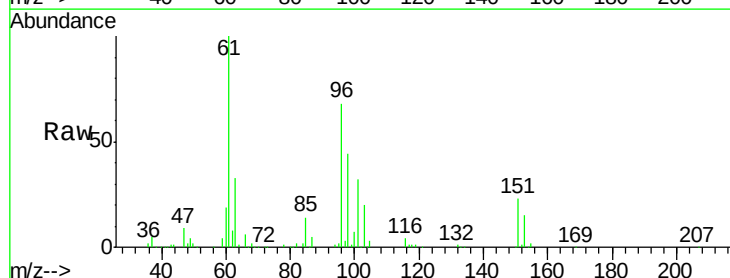
MMDadoda
6/2/2020 4:01:35 PM

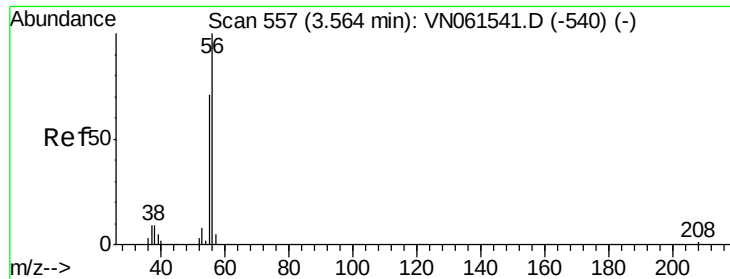


#12

1,1-Dichloroethene
Concen: 41.180 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	165075		
61	147.6		120.5	180.7
98	64.8		50.8	76.2





#13

Acrolein

Concen: 257.893 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 46271

Ion Ratio Lower Upper

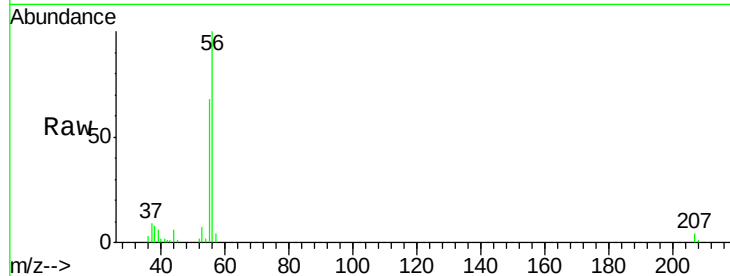
56 100

55 65.6 58.0 87.0

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

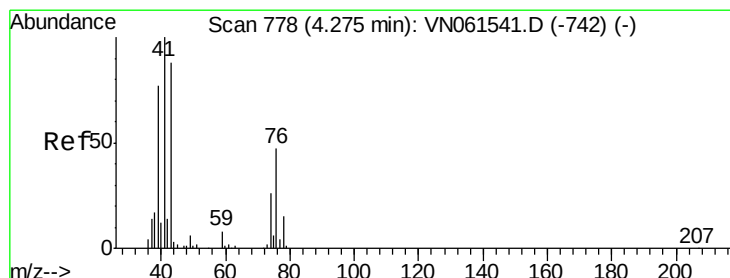
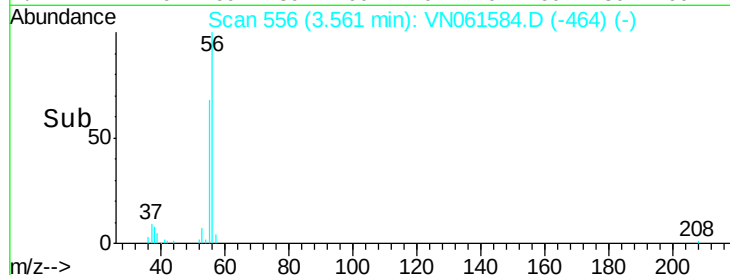
10000

5000

0

3.50 3.56 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 41.436 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

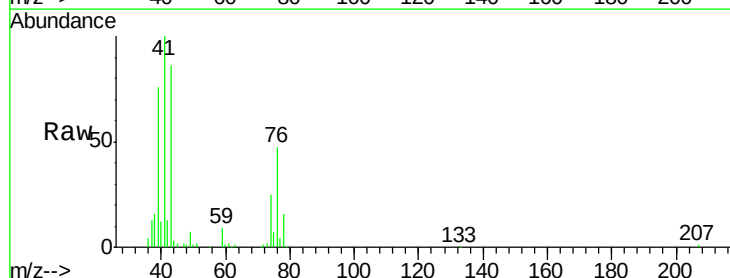
Tgt Ion: 41 Resp: 217150

Ion Ratio Lower Upper

41 100

39 73.0 58.6 88.0

76 43.1 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

60000

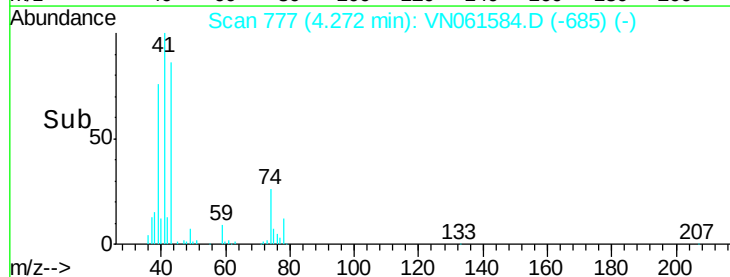
40000

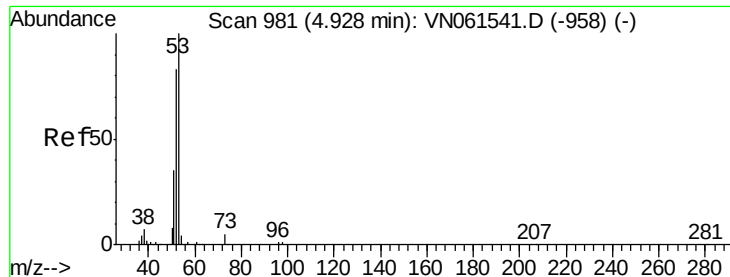
20000

0

4.10 4.20 4.27 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 210.476 ug/l

RT: 4.92 min Scan# 979

Delta R.T. -0.01 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

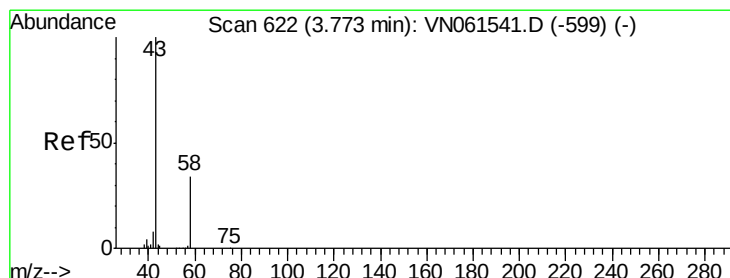
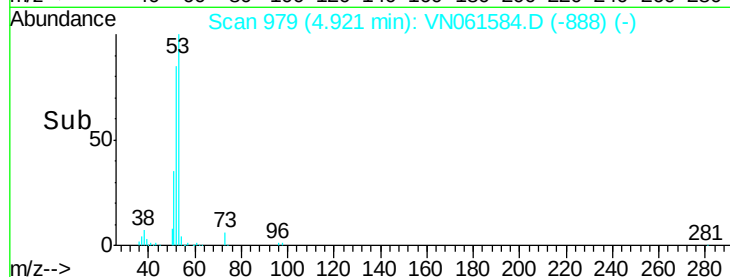
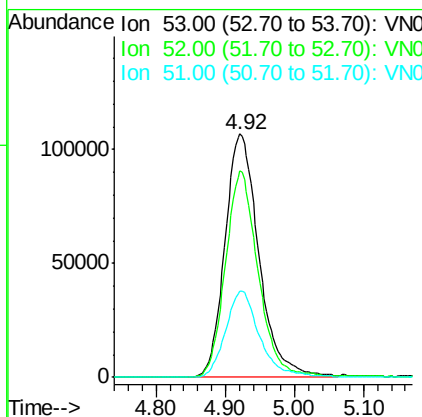
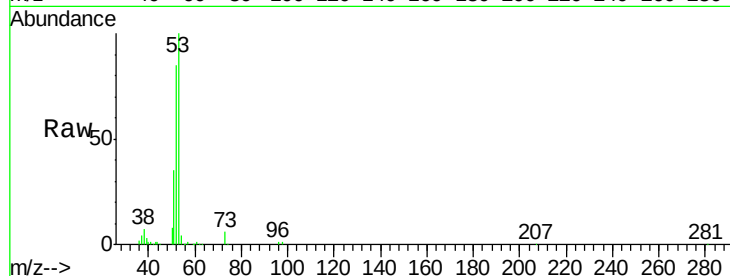
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	365233
Ion Ratio		Lower	Upper
53	100		
52	81.4	65.4	98.2
51	35.5	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 280.987 ug/l

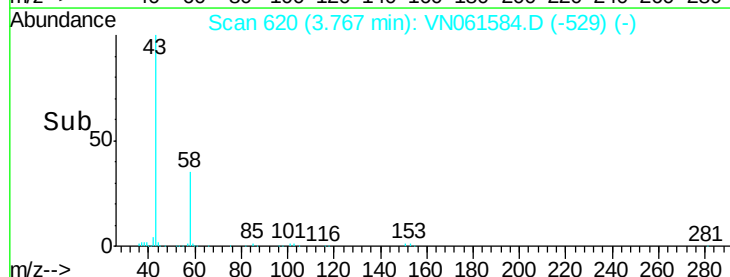
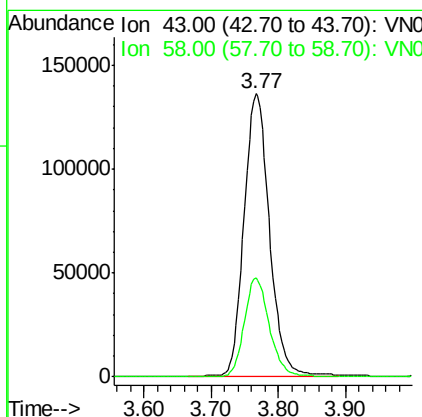
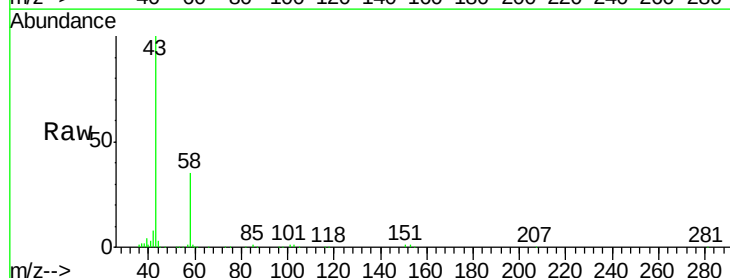
RT: 3.77 min Scan# 620

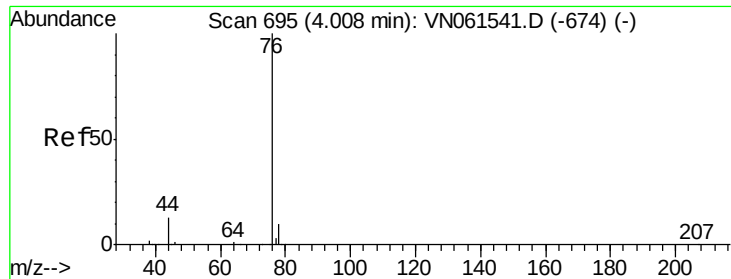
Delta R.T. -0.01 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Tgt Ion:	43	Resp:	360962
Ion Ratio		Lower	Upper
43	100		
58	35.1	27.2	40.8





#17

Carbon Disulfide

Concen: 39.157 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 345342

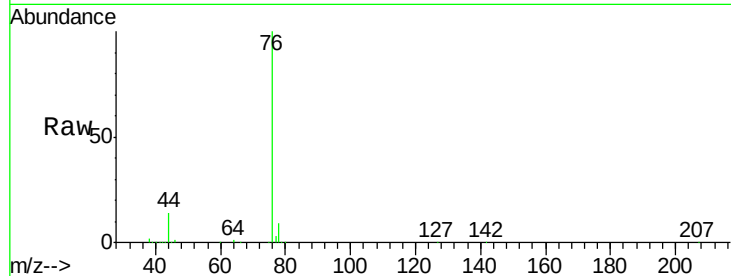
Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.6

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN061584.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN061584.D (-602) (-)

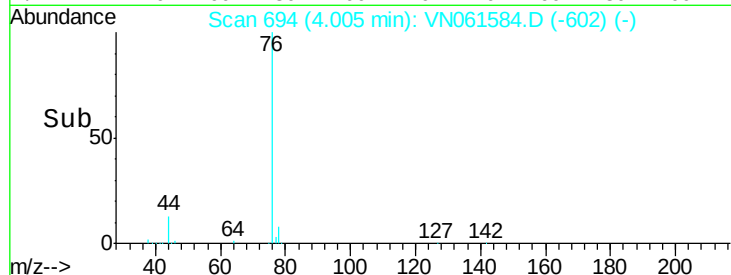
150000

100000

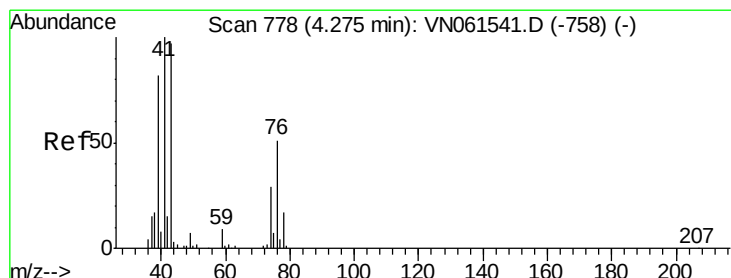
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 40.405 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061584.D

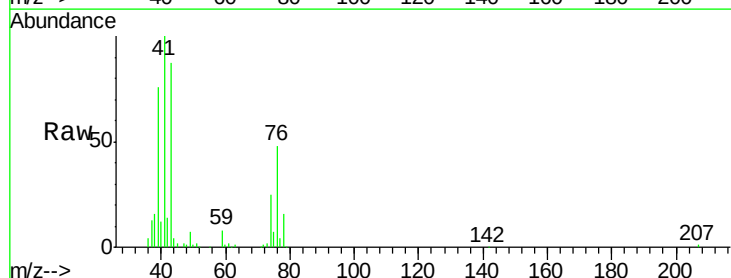
Acq: 1 Jun 2020 9:51

Tgt Ion: 43 Resp: 170960

Ion Ratio Lower Upper

43 100

74 30.7 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061584.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN061584.D (-685) (-)

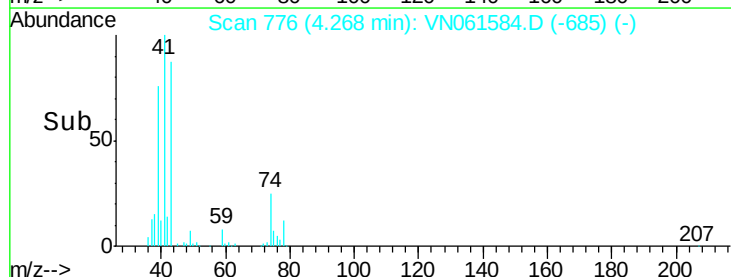
60000

40000

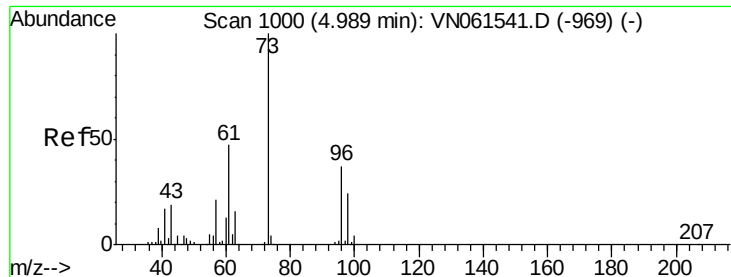
20000

0

Time-->



Time-->



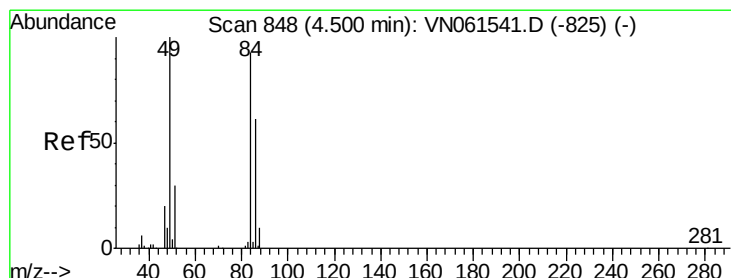
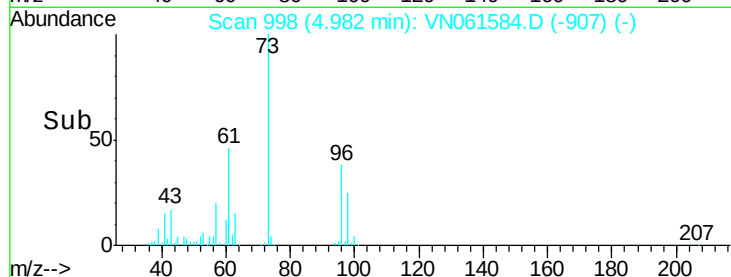
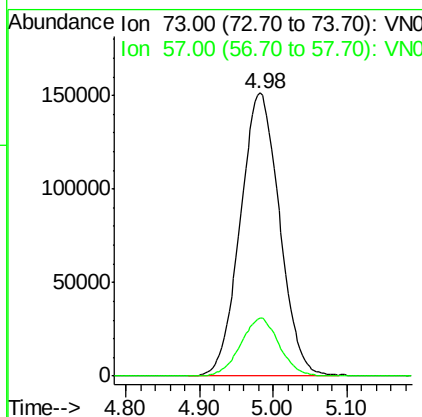
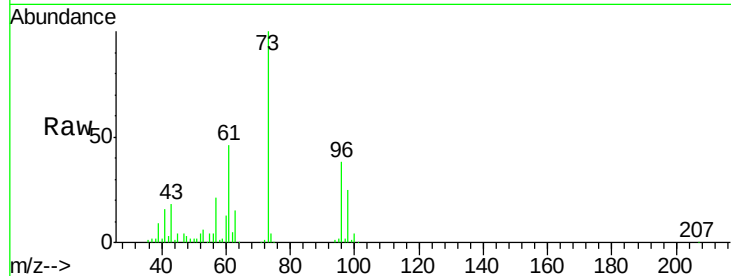
#19
Methvl tert-butvl Ether
Concen: 41.104 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	16.4	24.6

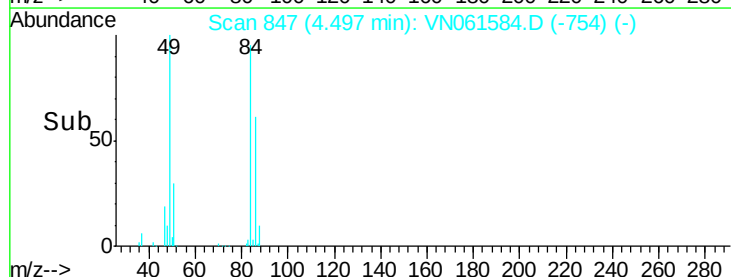
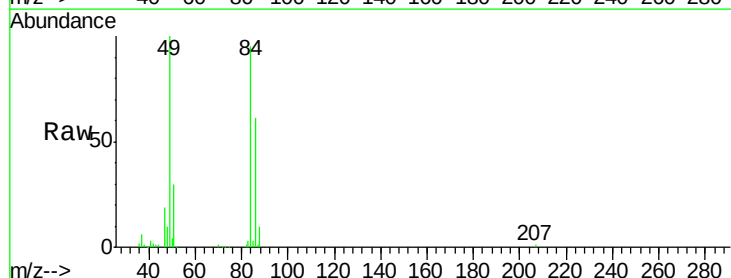
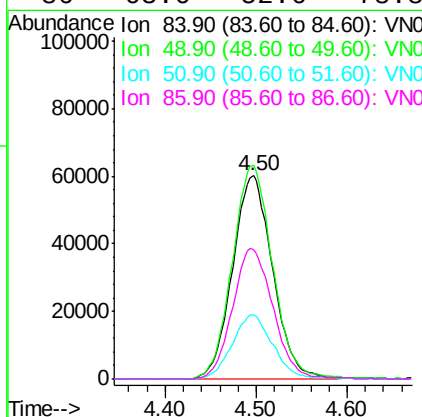
Manual Integrations
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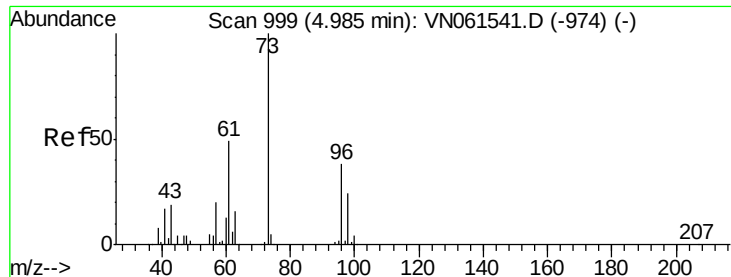
MMDadoda
6/2/2020 4:01:35 PM



#20
Methylene Chloride
Concen: 43.214 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.0	85.8	128.8
51	31.4	26.2	39.2
86	63.6	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 42.159 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

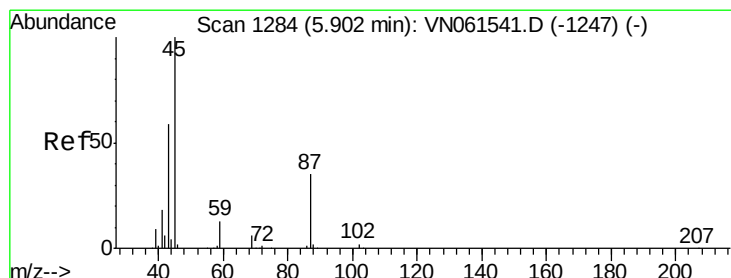
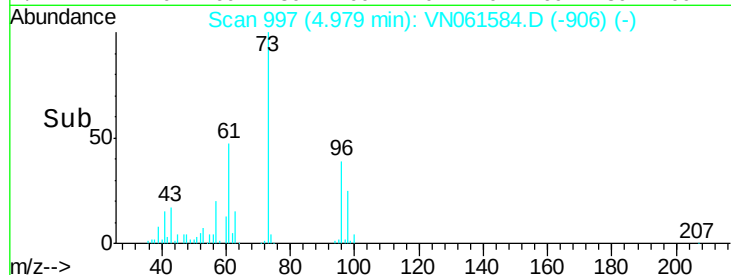
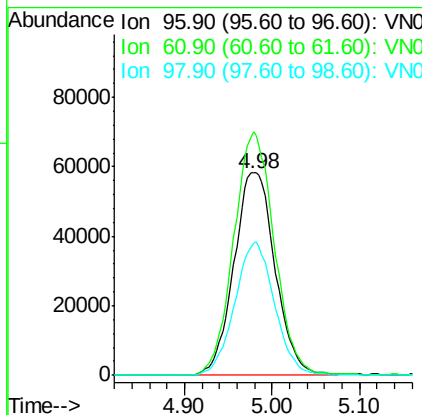
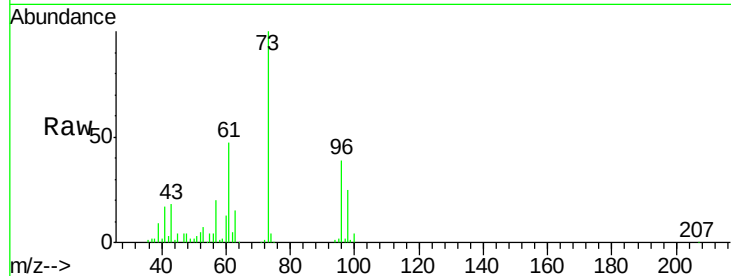
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	190586
Ion	Ratio	Lower	Upper
96	100		
61	120.2	101.4	152.0
98	65.6	50.6	76.0

Manual Integrations
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6/2/2020 4:01:35 PM



#22

Diisopropyl ether

Concen: 41.960 ug/l

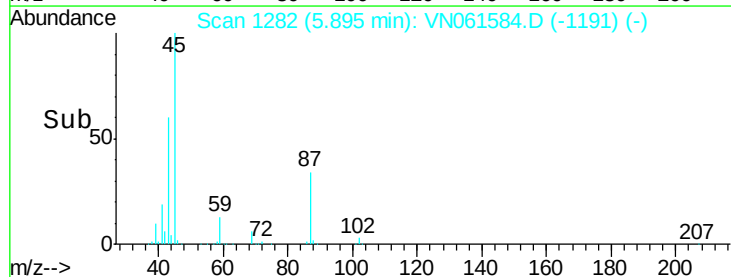
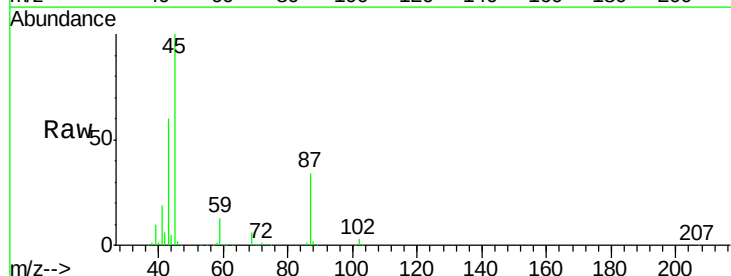
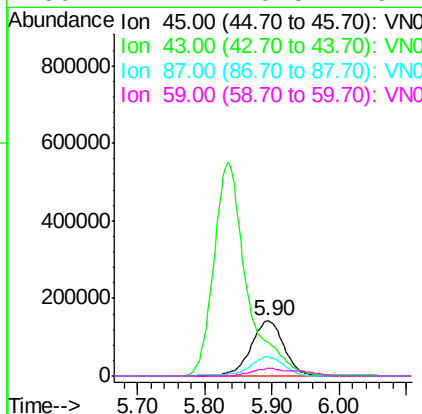
RT: 5.90 min Scan# 1282

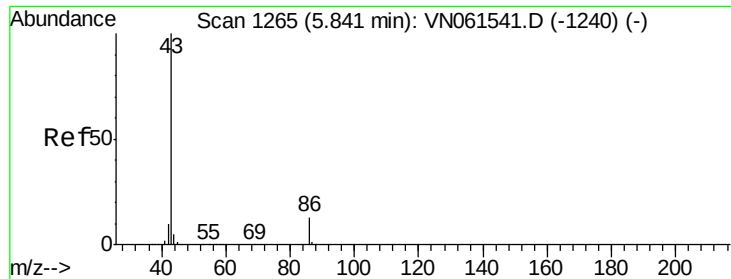
Delta R.T. -0.01 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Tgt Ion:	45	Resp:	484656
Ion	Ratio	Lower	Upper
45	100		
43	58.0	47.9	71.9
87	33.8	28.4	42.6
59	12.7	10.5	15.7





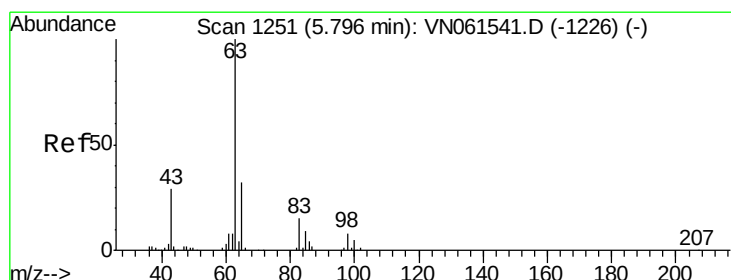
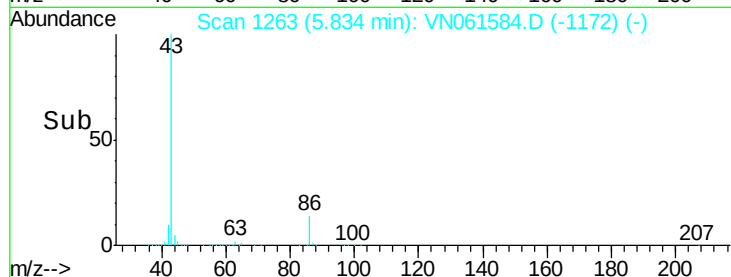
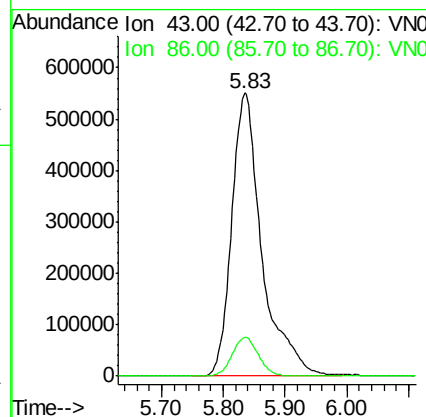
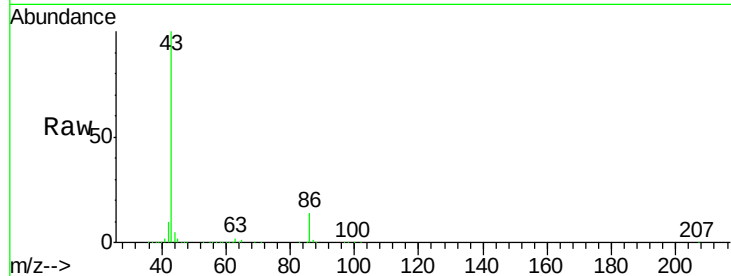
#23
 Vinyl Acetate
 Concen: 203.016 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1868975
 Ion Ratio Lower Upper
 43 100
 86 13.7 10.6 16.0

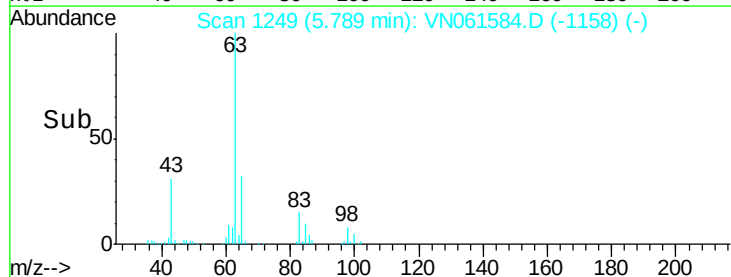
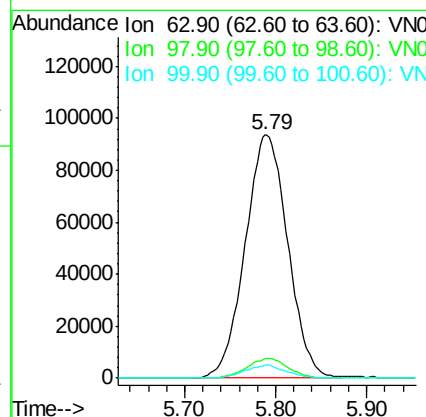
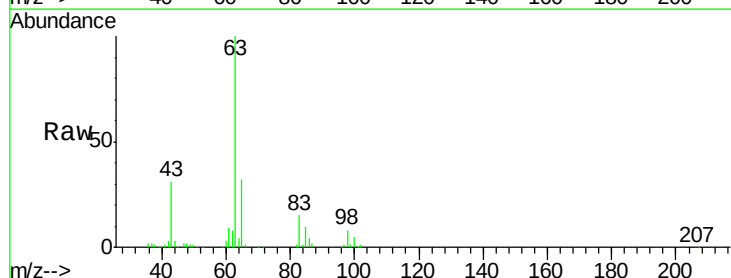
Manual Integrations
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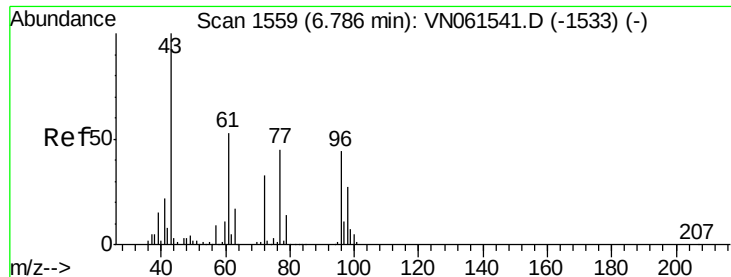
MMDadoda
 6/2/2020 4:01:35 PM



#24
 1,1-Dichloroethane
 Concen: 41.538 ug/l
 RT: 5.79 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion: 63 Resp: 304239
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.8 11.4
 100 5.3 2.5 7.6





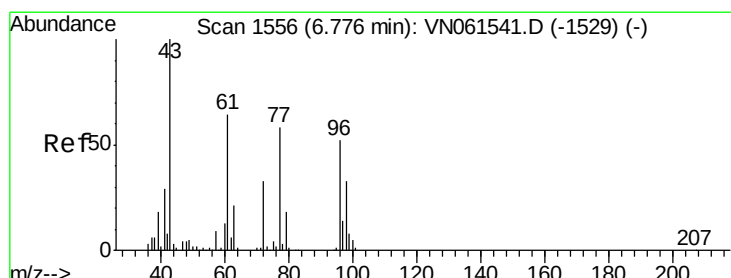
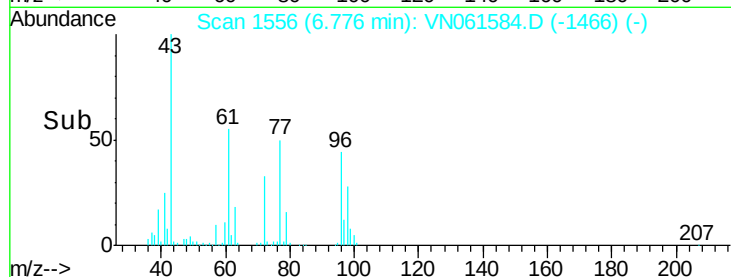
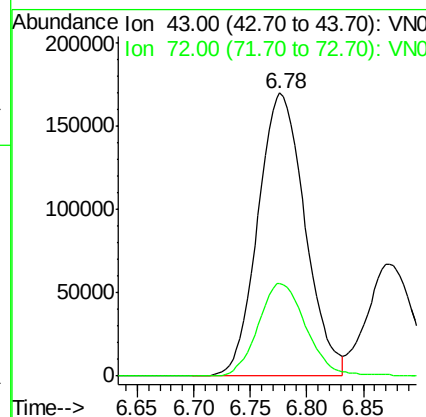
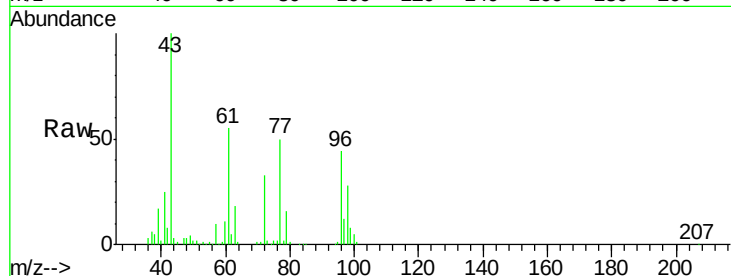
#25
2-Butanone
Concen: 220.862 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 489240
Ion Ratio Lower Upper
43 100
72 32.9 26.0 39.0

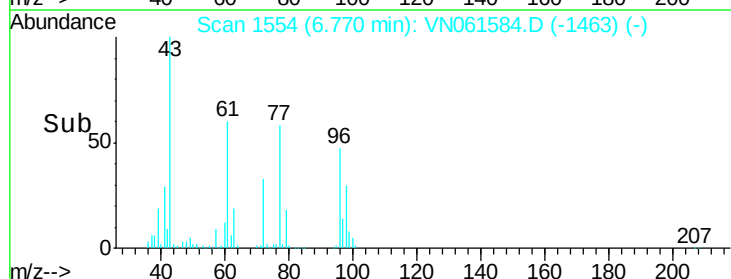
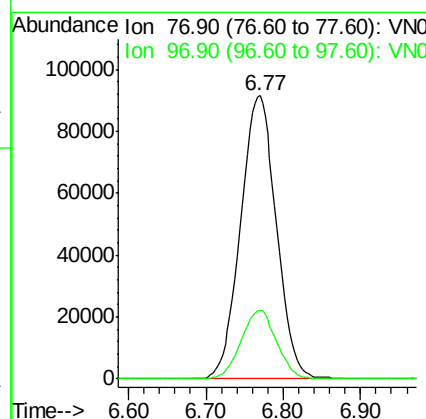
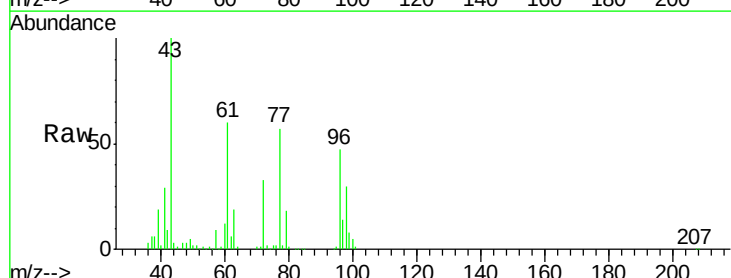
Manual Integrations
APPROVED

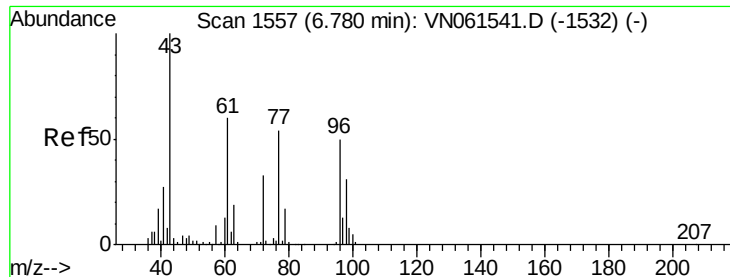
MMDadoda
6/2/2020 4:01:35 PM



#26
2,2-Dichloropropane
Concen: 43.904 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion: 77 Resp: 294322
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 42.934 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN061584.D

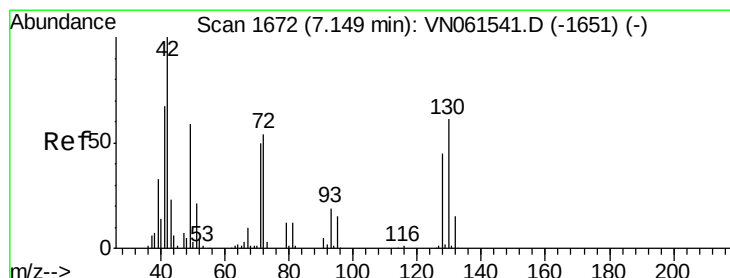
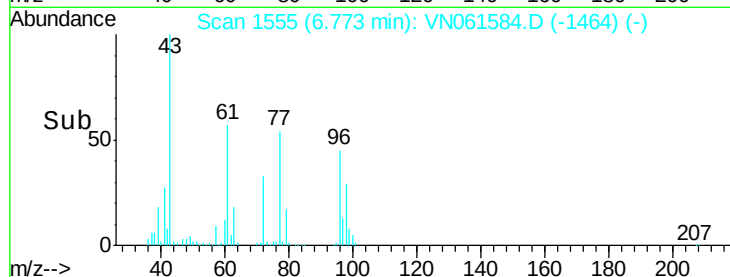
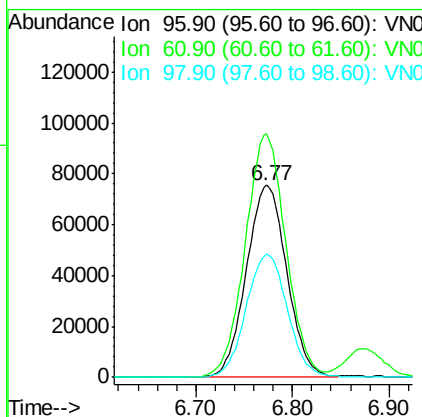
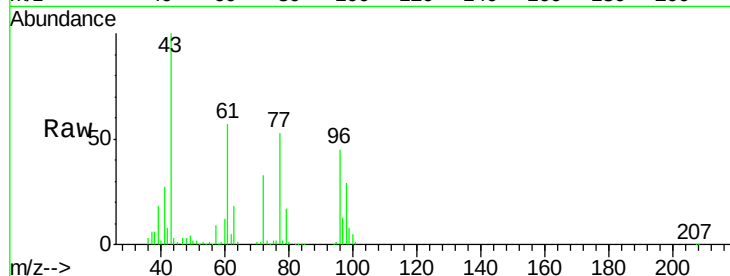
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	219781		
61	127.5	0.0	252.2	
98	65.6	0.0	129.2	

Manual Integrations
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6/2/2020 4:01:35 PM



#28

Bromochloromethane

Concen: 49.092 ug/l

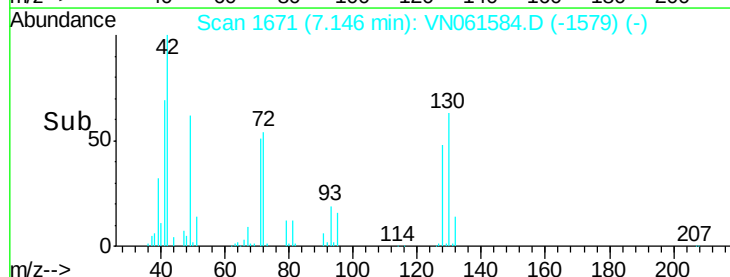
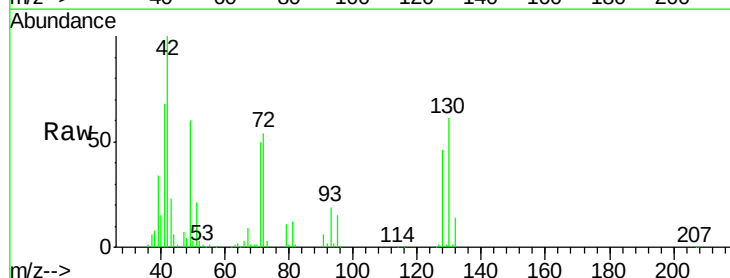
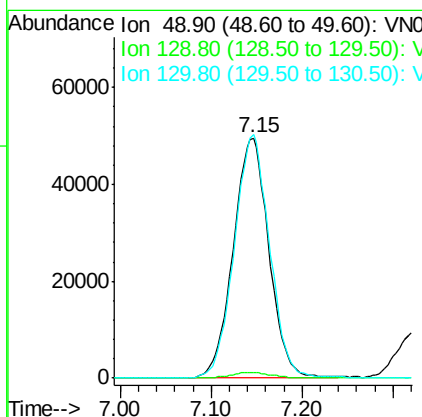
RT: 7.15 min Scan# 1671

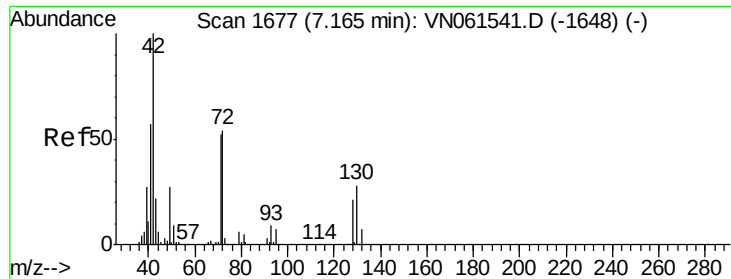
Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	135056		
129	2.6	0.0	4.8	
130	99.8	78.8	118.2	





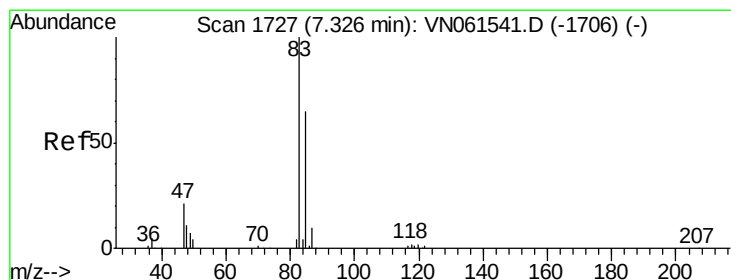
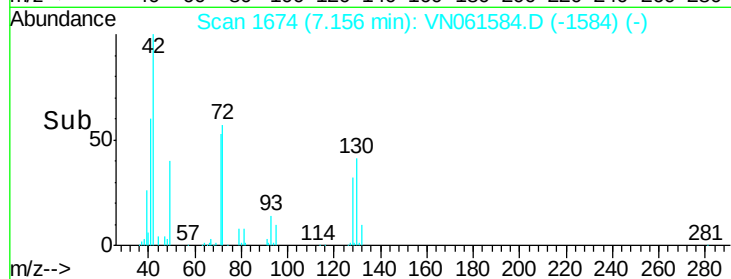
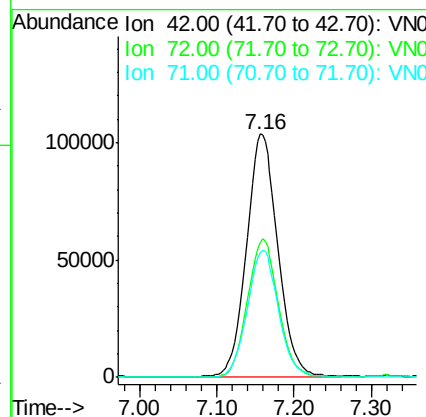
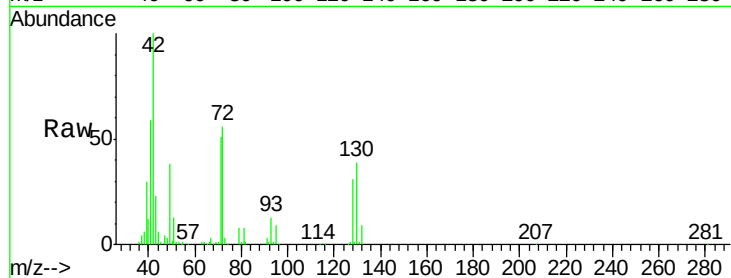
#29
Tetrahydrofuran
Concen: 199.957 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.2	43.6	65.4
71	52.1	41.2	61.8

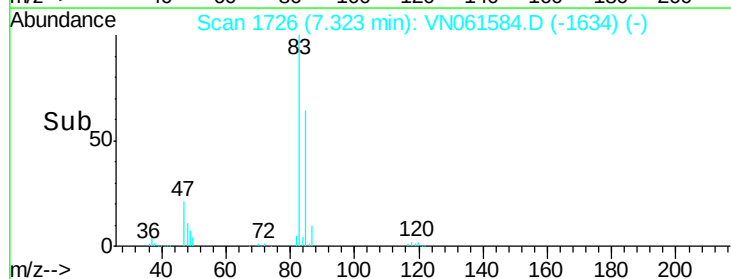
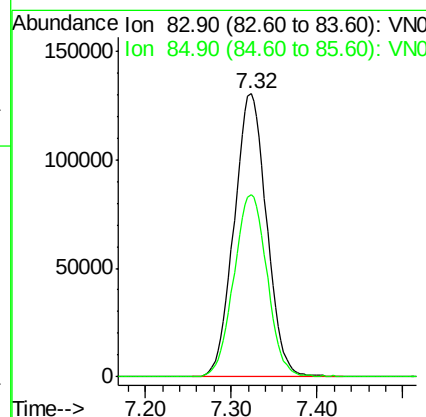
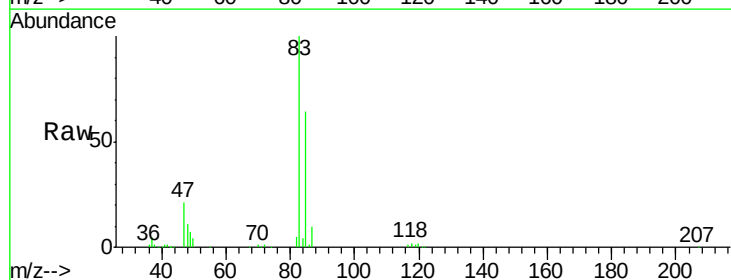
Manual Integrations
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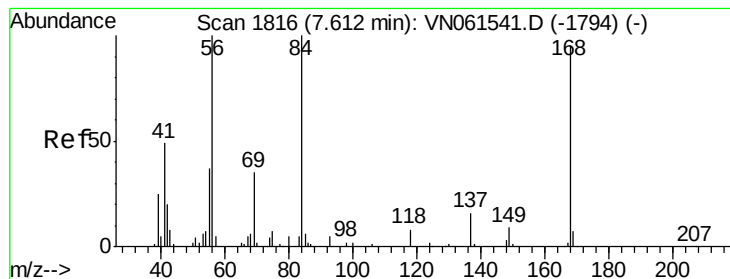
MMDadoda
6/2/2020 4:01:35 PM



#30
Chloroform
Concen: 42.292 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.7	77.5





#31

Cyclohexane

Concen: 41.223 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 271548

Ion Ratio Lower Upper

56 100

69 37.7 27.8 41.8

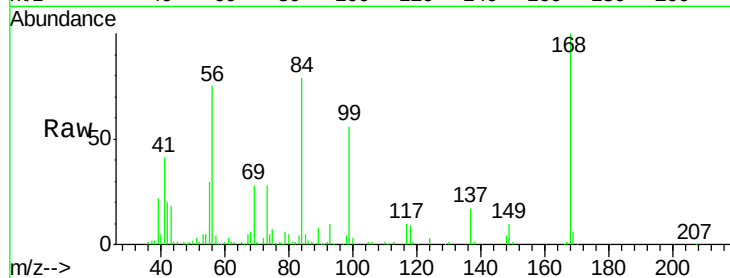
84 103.5 79.9 119.9

Manual Integrations

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MMDadoda

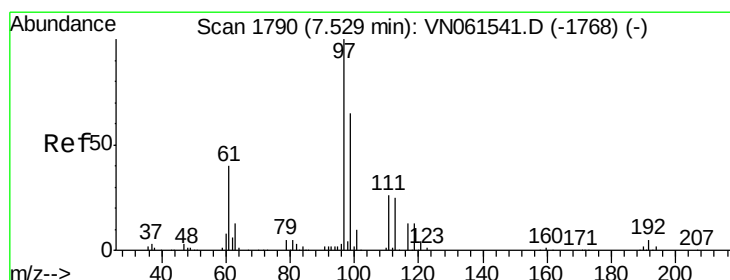
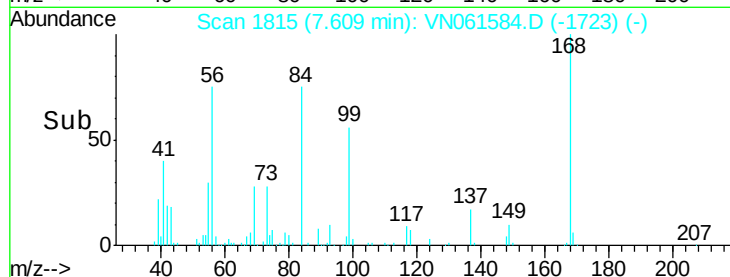
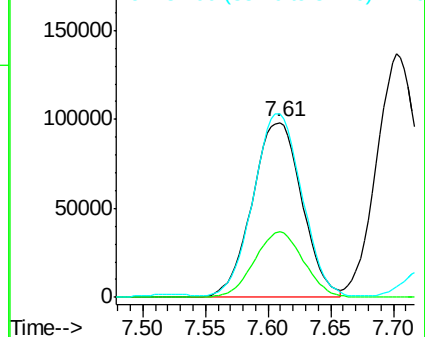
6/2/2020 4:01:35 PM



Abundance Ion 56.00 (55.70 to 56.70): VN061584.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061584.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061584.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 42.754 ug/l

RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

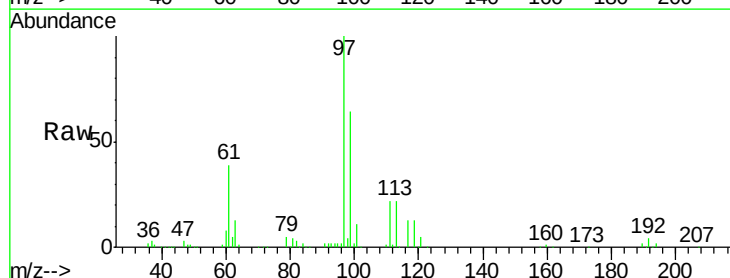
Tgt Ion: 97 Resp: 315679

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

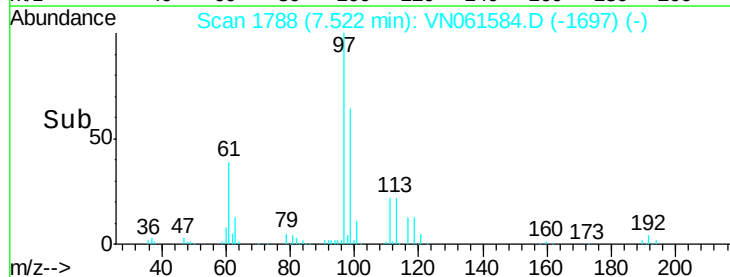
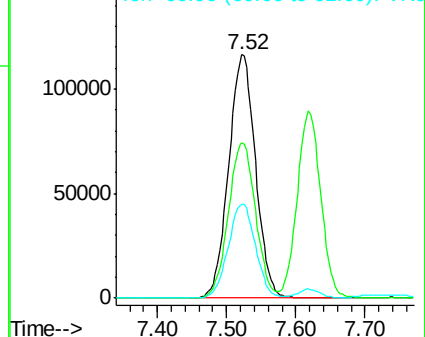
61 39.1 31.4 47.0

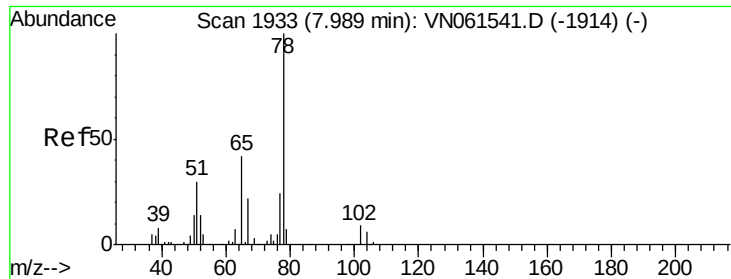


Abundance Ion 96.90 (96.60 to 97.60): VN061584.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061584.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061584.D (-1697) (-)





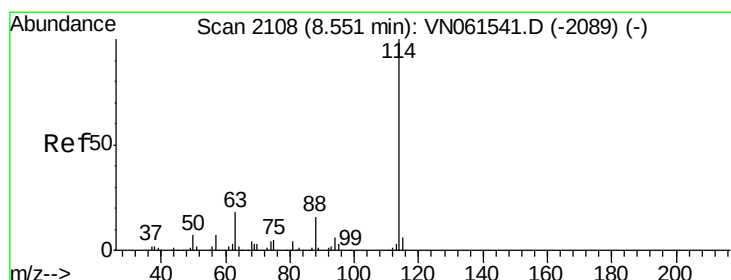
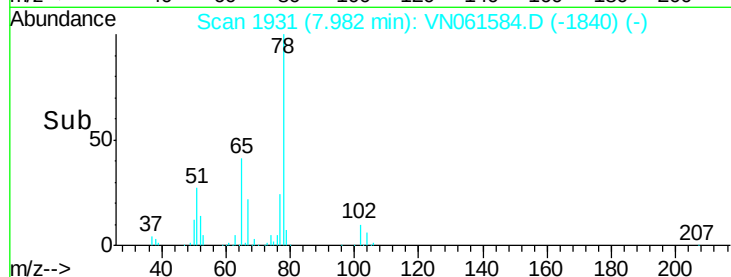
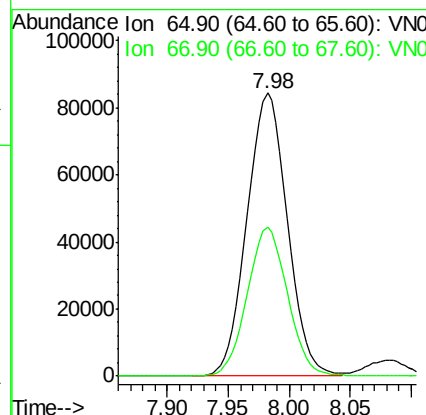
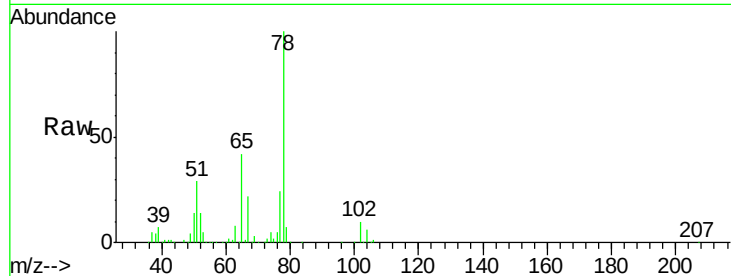
#33
 1,2-Dichloroethane-d4
 Concen: 41.460 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193784		
67	52.3	0.0	104.8	

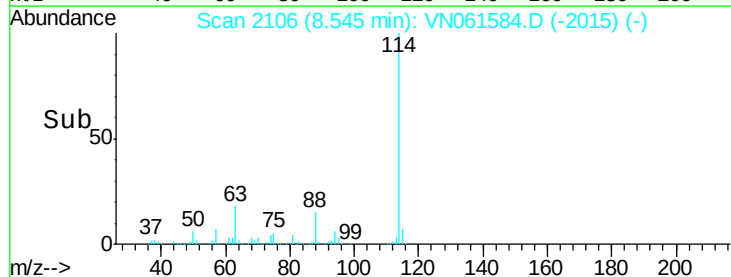
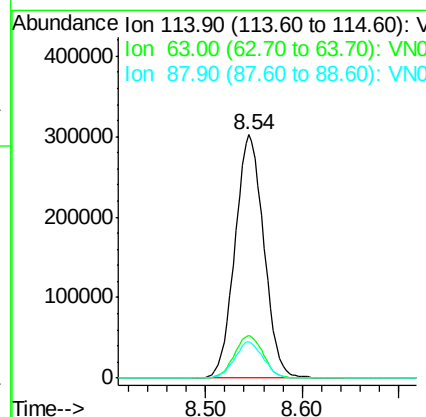
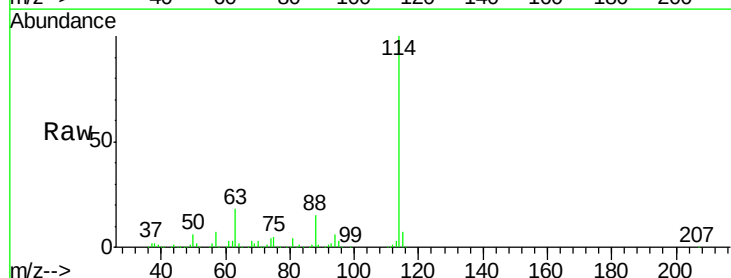
Manual Integrations
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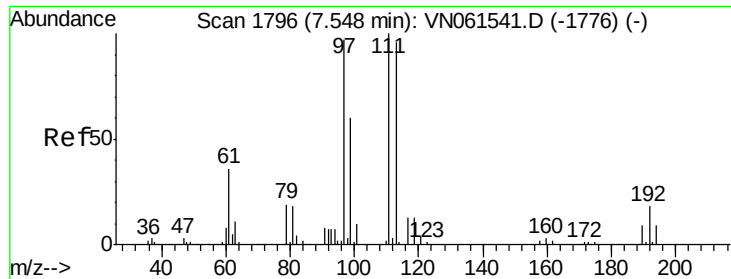
MMDadoda
 6/2/2020 4:01:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	625374		
63	17.6	0.0	35.8	
88	15.1	0.0	31.0	





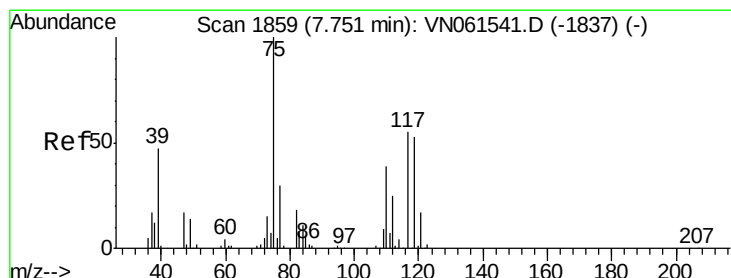
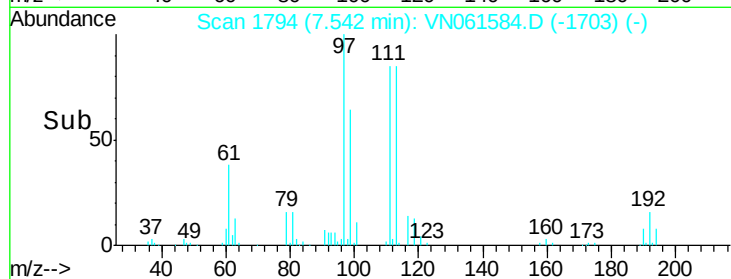
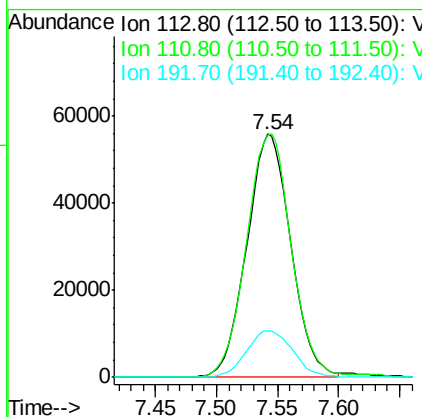
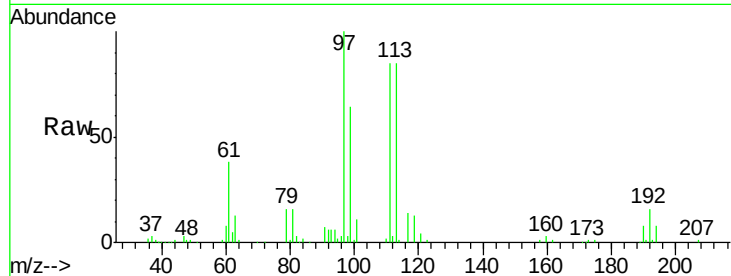
#35
 Dibromofluoromethane
 Concen: 43.887 ug/l
 RT: 7.54 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	139227		
111	102.2	83.4	125.0	
192	20.1	15.4	23.2	

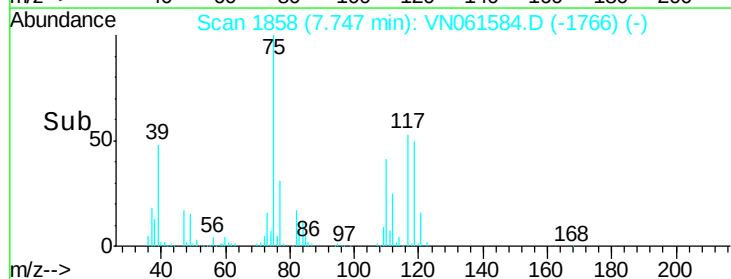
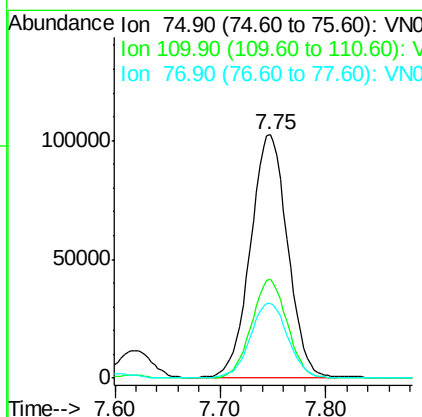
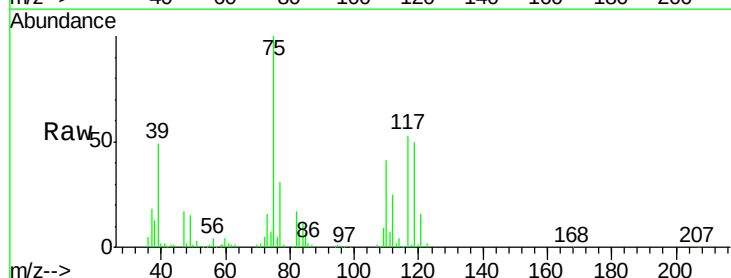
Manual Integrations
 APPROVED

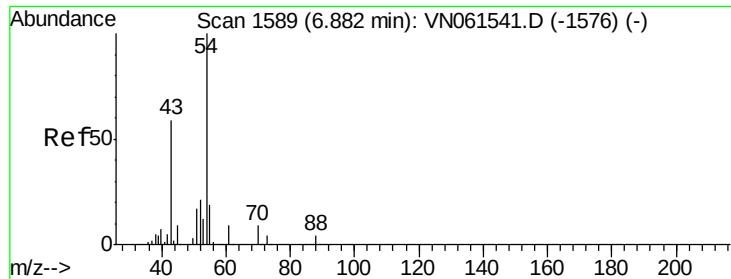
MMDadoda
 6/2/2020 4:01:35 PM



#36
 1,1-Dichloropropene
 Concen: 45.209 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	250284		
110	39.2	19.5	58.5	
77	31.4	24.7	37.1	





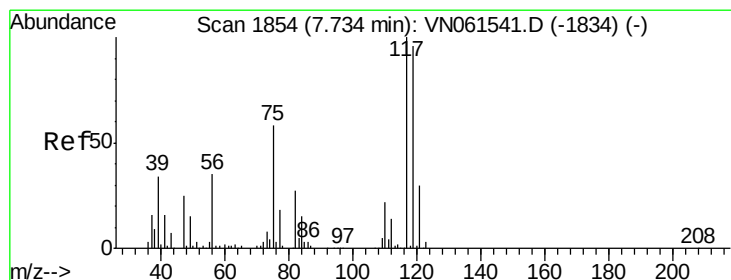
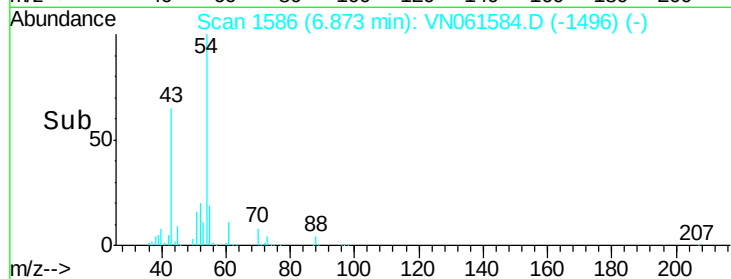
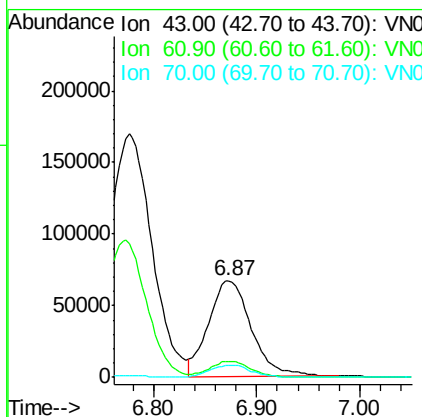
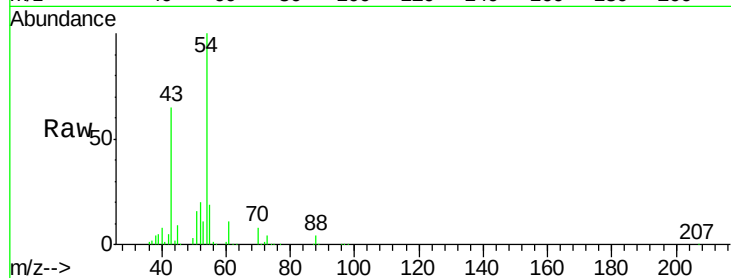
#37
Ethyl Acetate
Concen: 42.881 ug/l
RT: 6.87 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	191207		
61	16.1	12.2	18.4	
70	12.9	9.4	14.2	

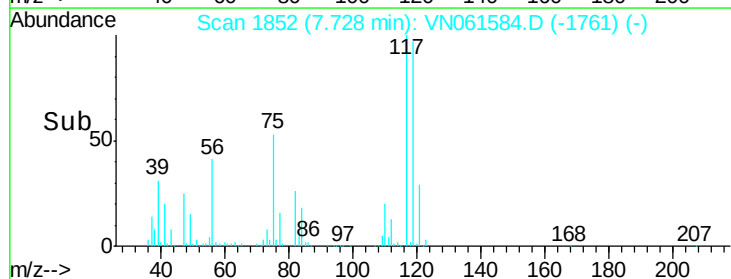
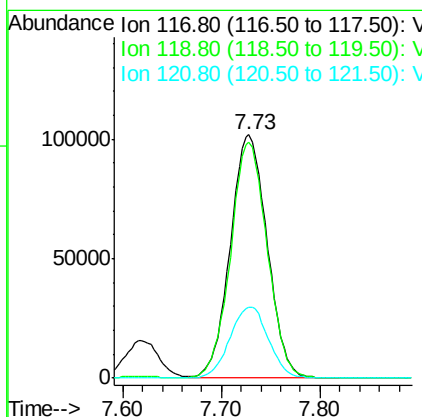
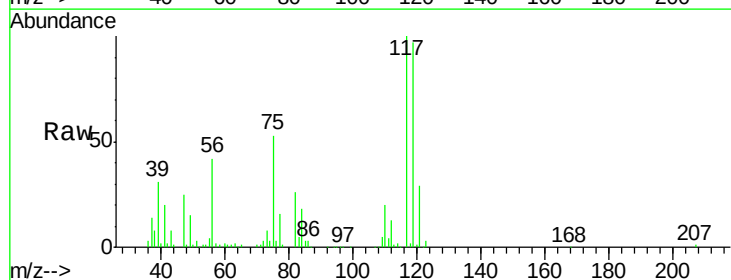
Manual Integrations
APPROVED

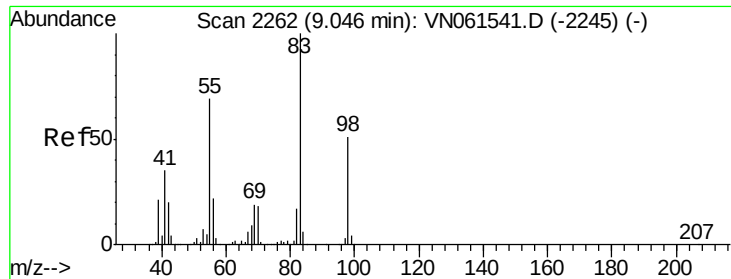
MMDadoda
6/2/2020 4:01:35 PM



#38
Carbon Tetrachloride
Concen: 49.366 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	263615		
119	96.8	76.5	114.7	
121	29.0	24.1	36.1	





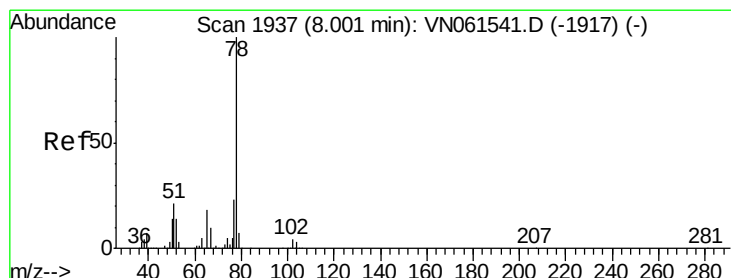
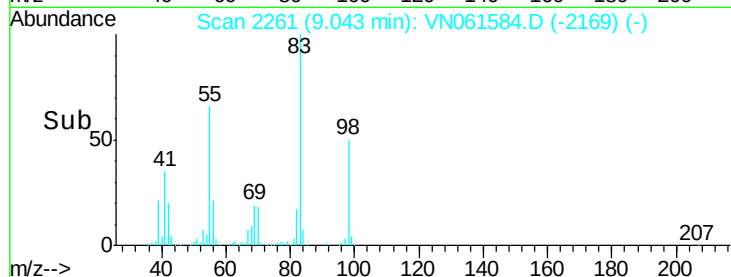
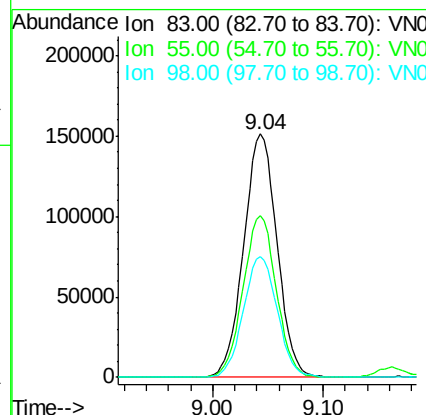
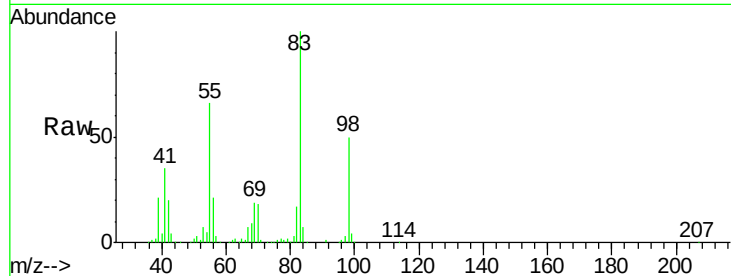
#39
Methylvlcyclohexane
Concen: 46.505 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	66.5	54.9	82.3	
98	49.5	41.0	61.4	

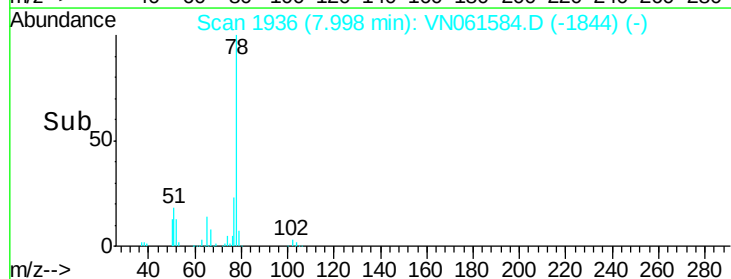
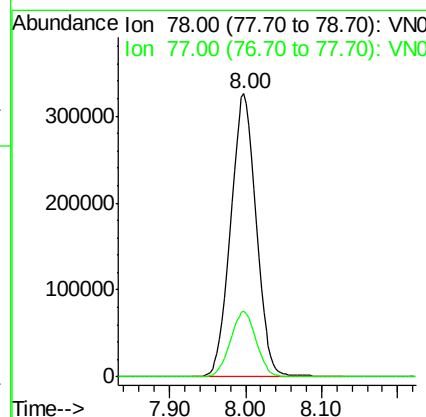
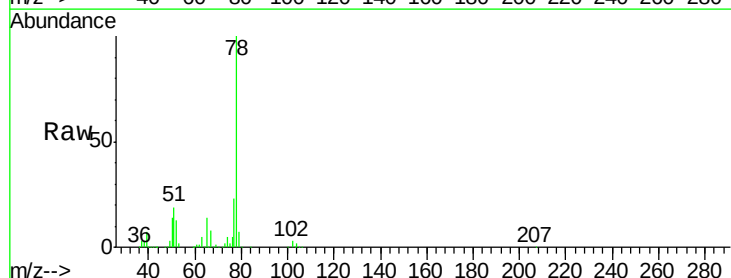
Manual Integrations
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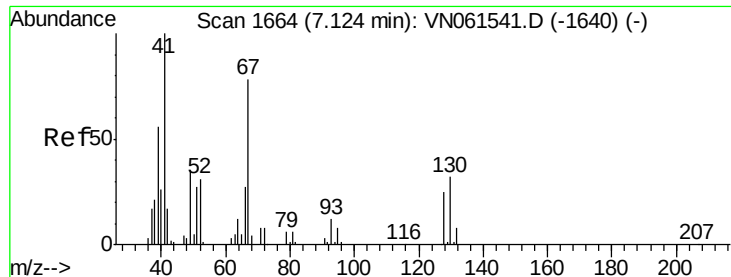
MMDadoda
6/2/2020 4:01:35 PM



#40
Benzene
Concen: 44.671 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.6	28.0	





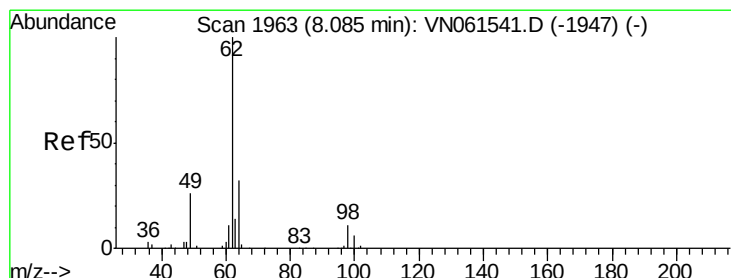
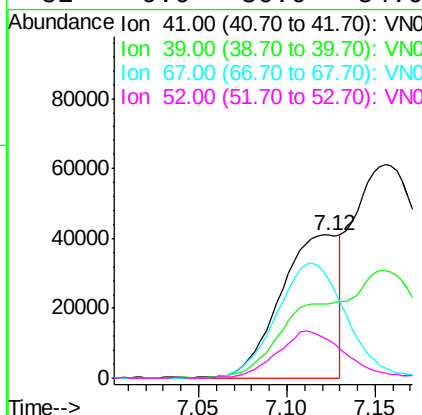
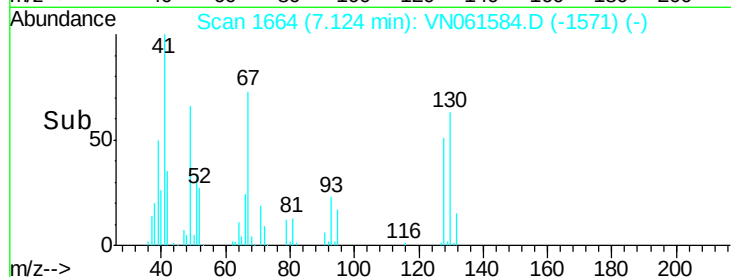
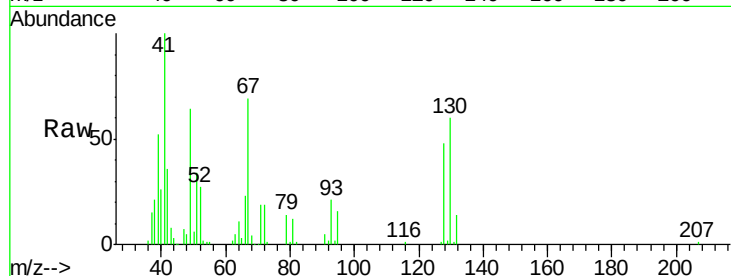
#41
Methacrylonitrile
Concen: 46.864 ug/l m
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	145.3	53.8	80.6#
67	0.0	91.1	136.7#
52	0.0	36.0	54.0#

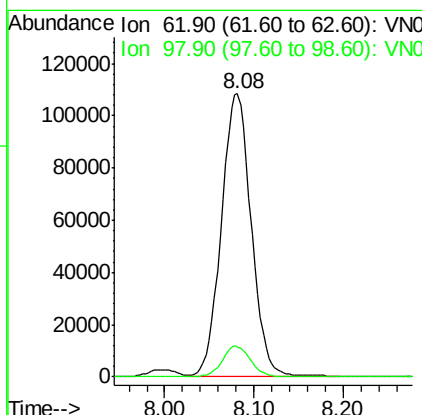
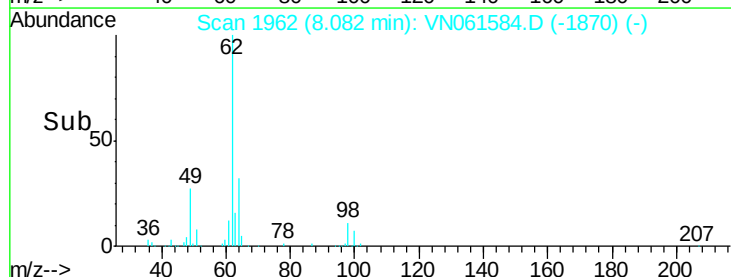
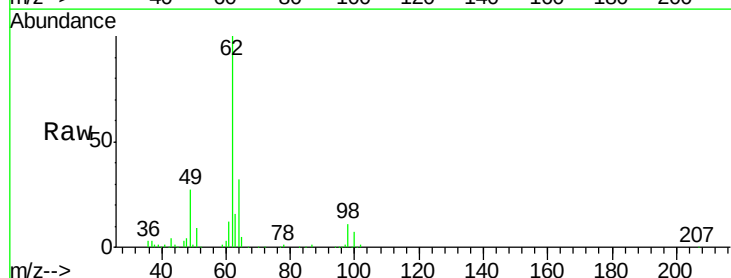
Manual Integrations
APPROVED

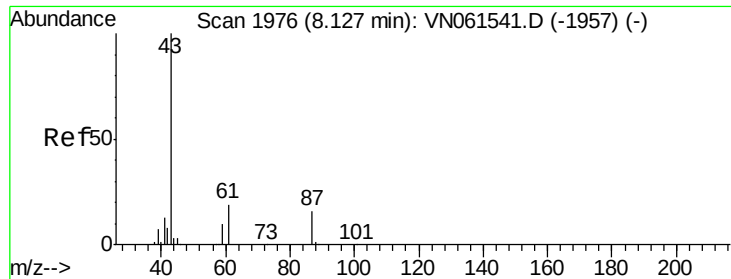
MMDadoda
6/2/2020 4:01:35 PM



#42
1,2-Dichloroethane
Concen: 43.819 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.4





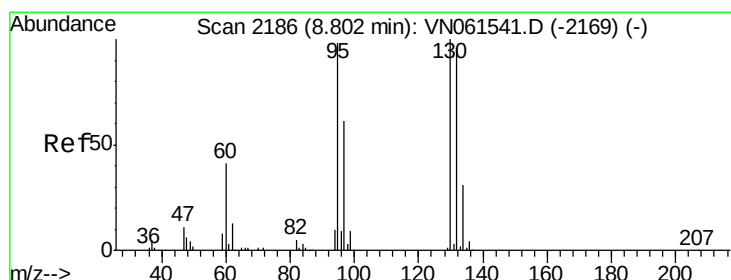
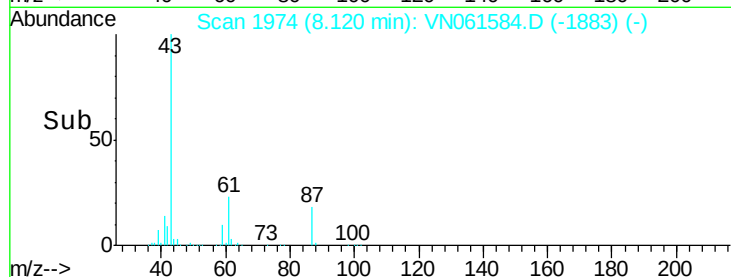
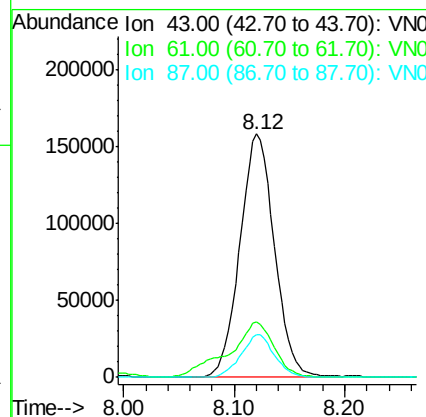
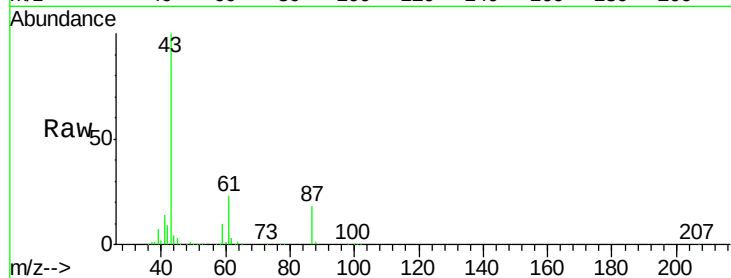
#43
Isopropyl Acetate
Concen: 42.511 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.01 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.6	35.4
87	17.0	13.0	19.6

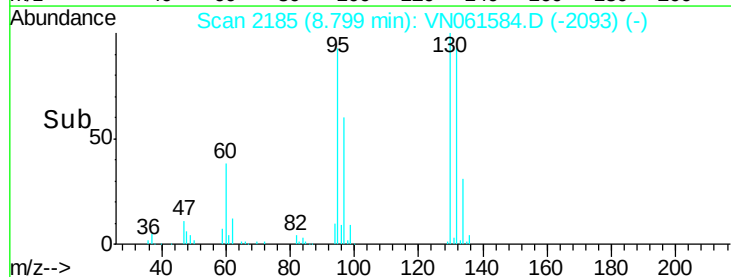
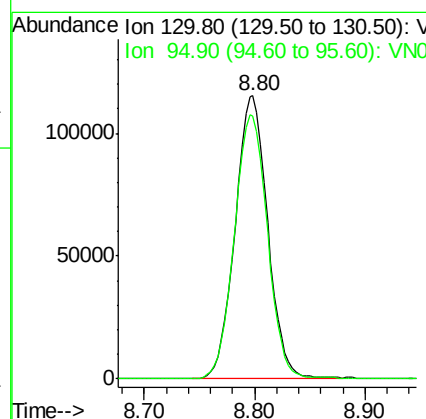
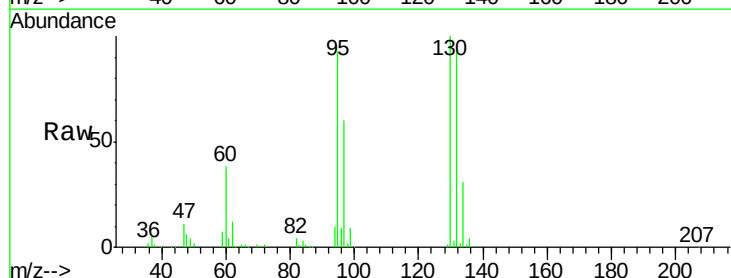
Manual Integrations
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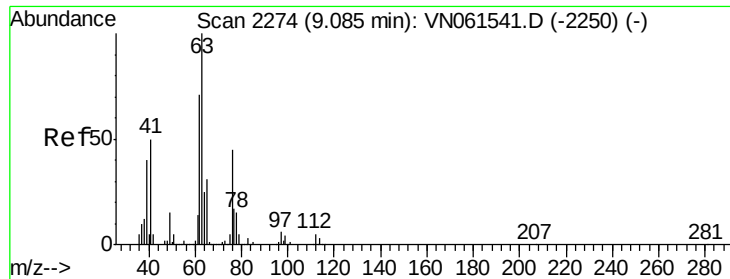
MMDadoda
6/2/2020 4:01:35 PM



#44
Trichloroethene
Concen: 44.968 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	196.6





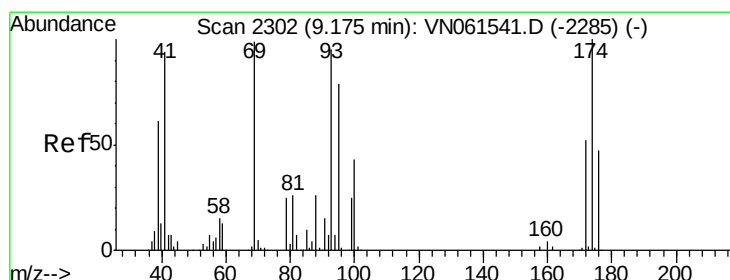
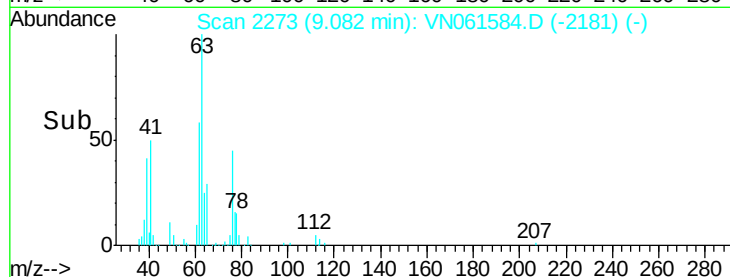
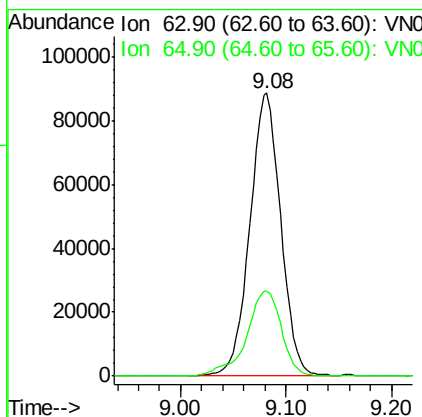
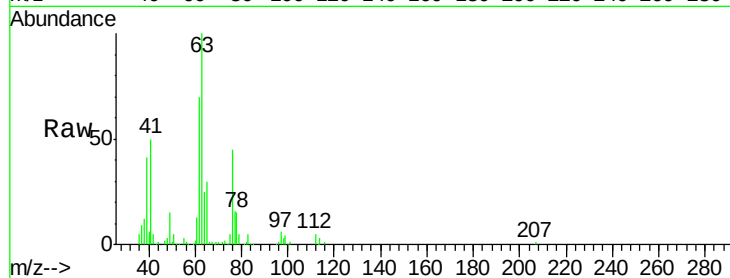
#45
 1,2-Dichloropropane
 Concen: 44.702 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 181316
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.7 37.1

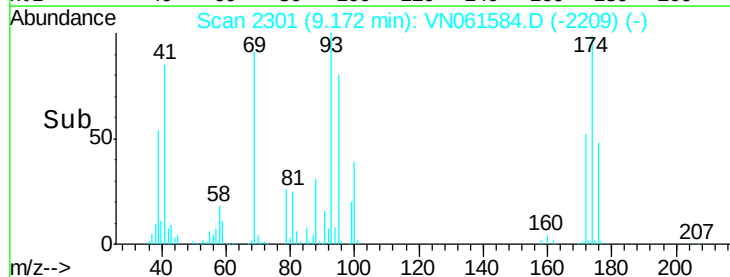
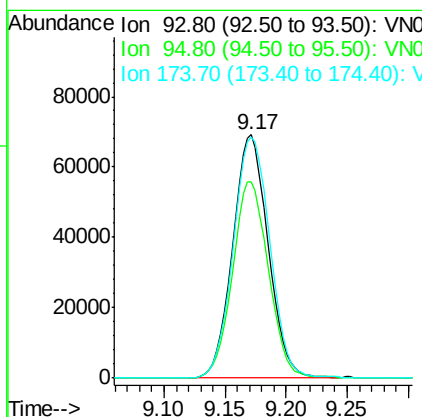
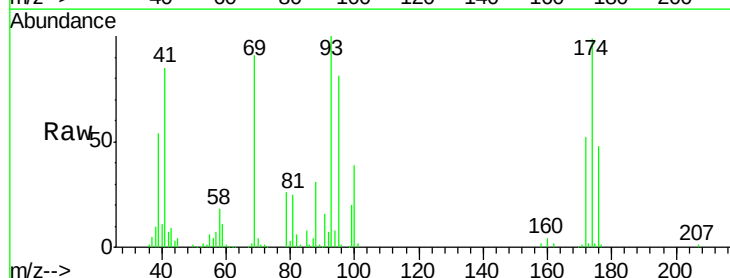
Manual Integrations
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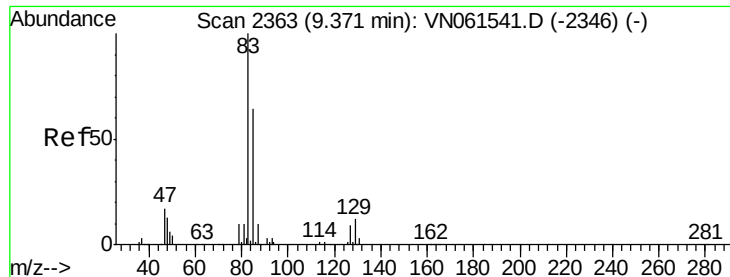
MMDadoda
 6/2/2020 4:01:35 PM



#46
 Dibromomethane
 Concen: 44.777 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion: 93 Resp: 139294
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.0 99.0
 174 102.7 82.5 123.7





#47

Bromodichloromethane

Concen: 45.893 ug/l

RT: 9.36 min Scan# 2361

Delta R.T. -0.01 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

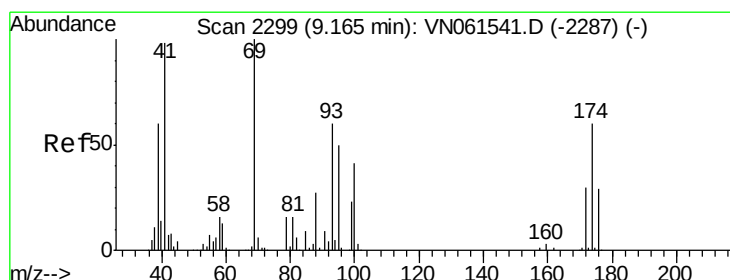
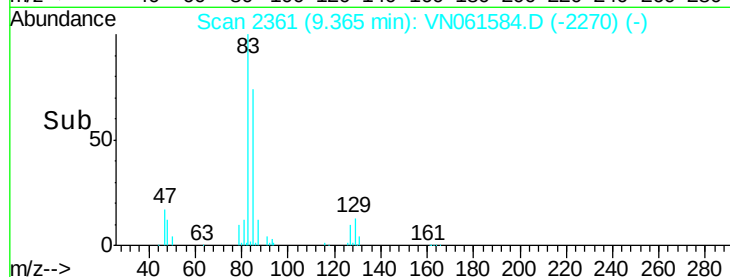
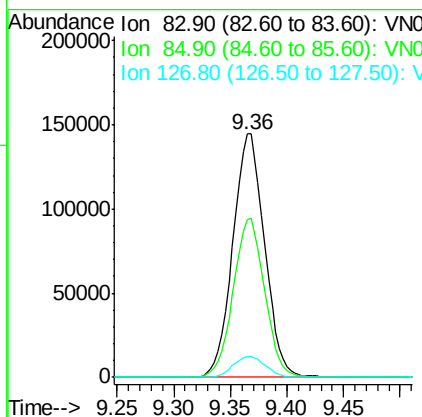
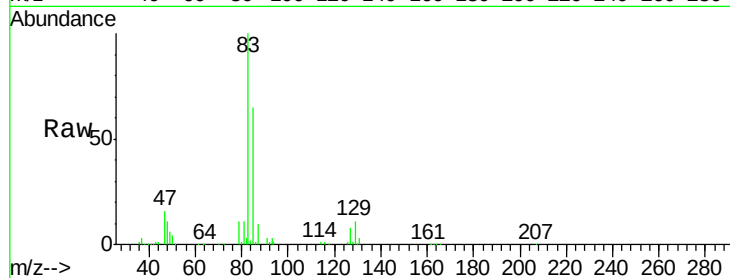
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	282851
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.1	76.7
127	8.4	7.2	10.8

Manual Integrations
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6/2/2020 4:01:35 PM



#48

Methyl methacrylate

Concen: 40.764 ug/l

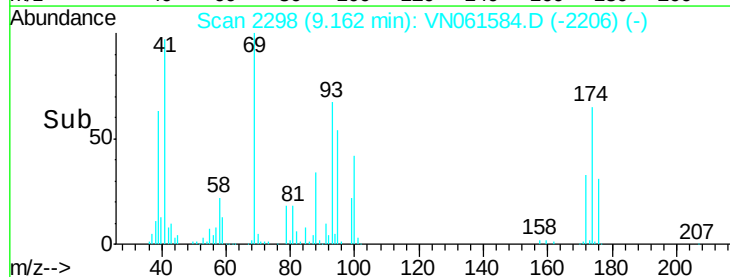
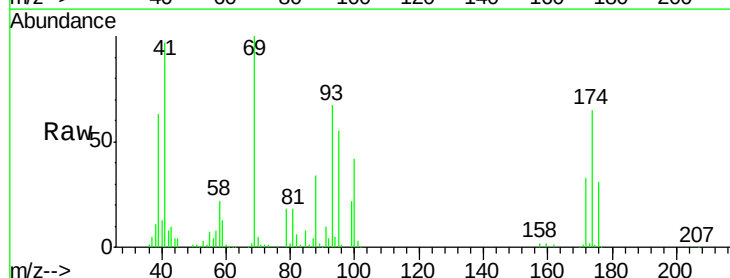
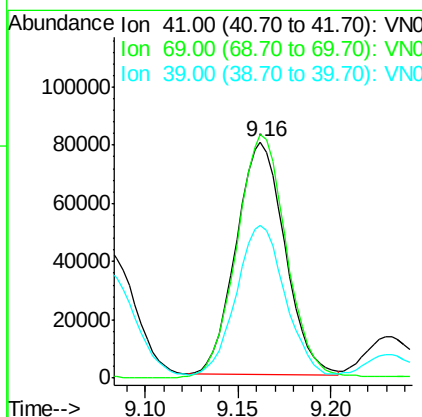
RT: 9.16 min Scan# 2298

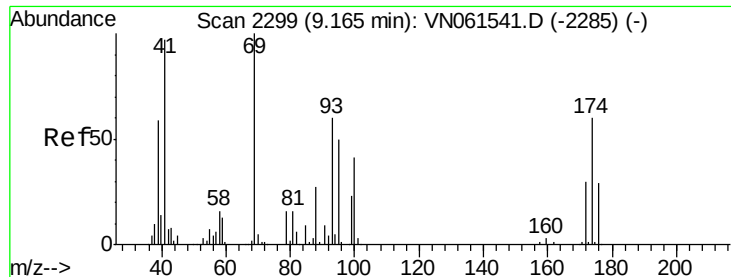
Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Tgt Ion:	41	Resp:	147133
Ion Ratio	Lower	Upper	
41	100		
69	106.7	83.9	125.9
39	66.5	52.1	78.1





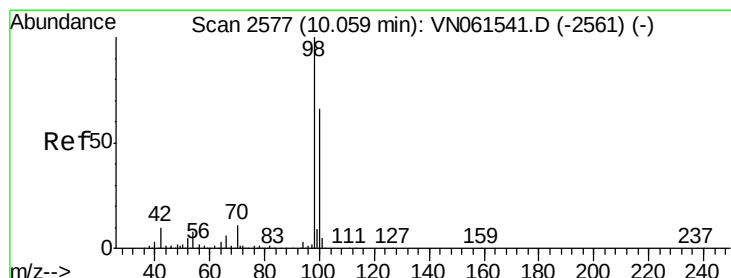
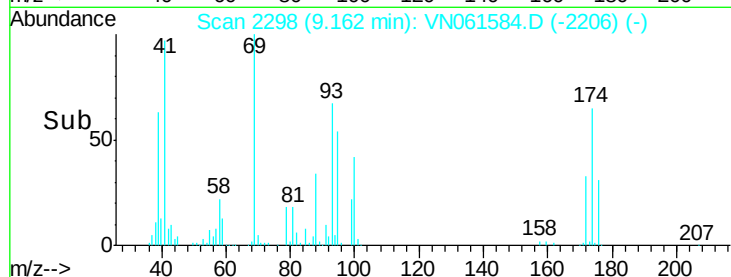
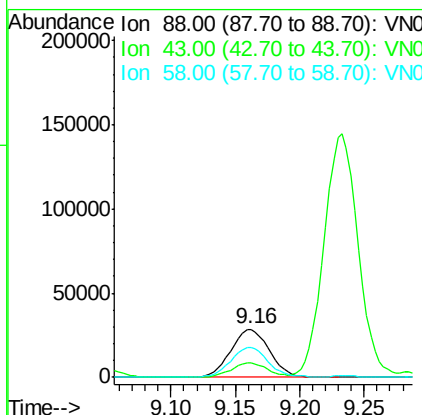
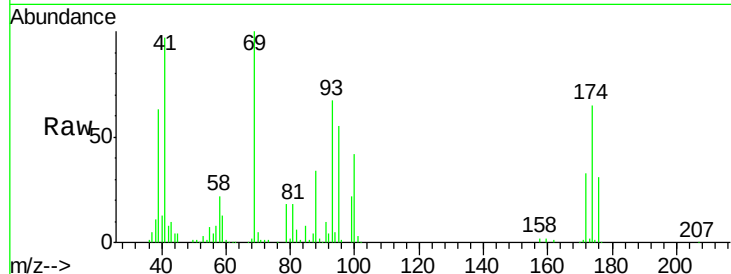
#49
1,4-Dioxane
Concen: 1064.185 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	59504
Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.1	34.7
58	60.7	48.3	72.5

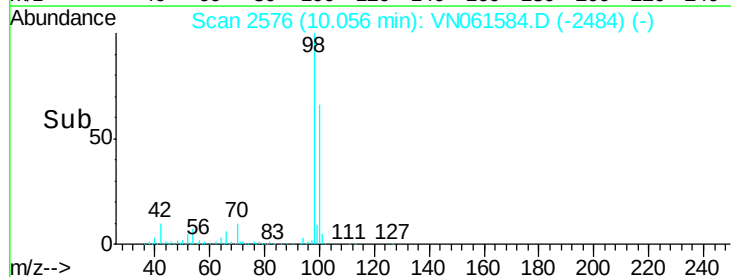
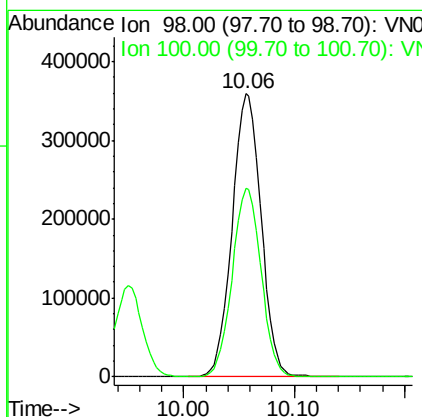
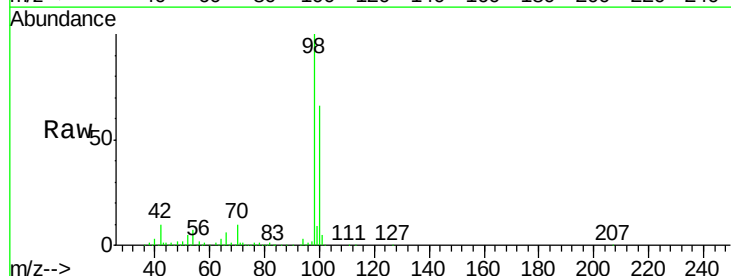
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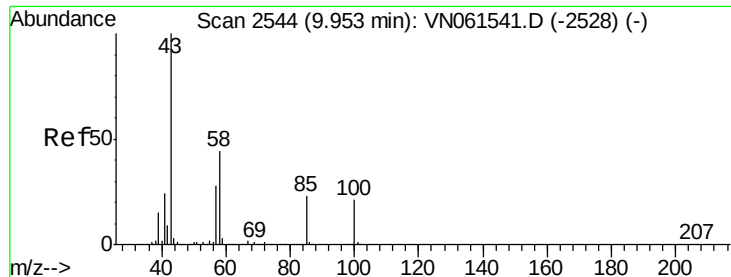
MMDadoda
6/2/2020 4:01:35 PM



#50
Toluene-d8
Concen: 44.533 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	98	Resp	654691
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2





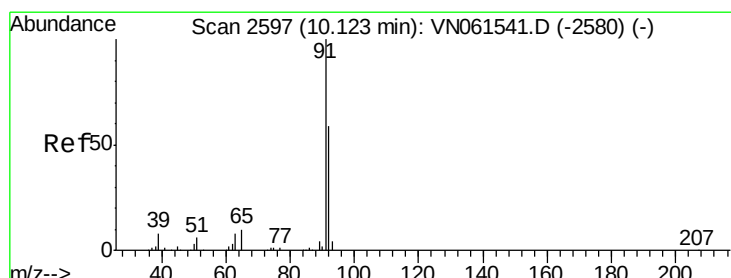
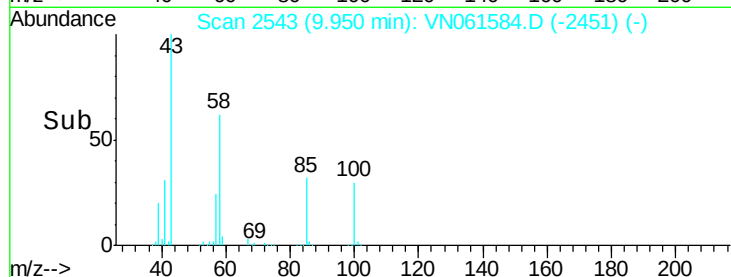
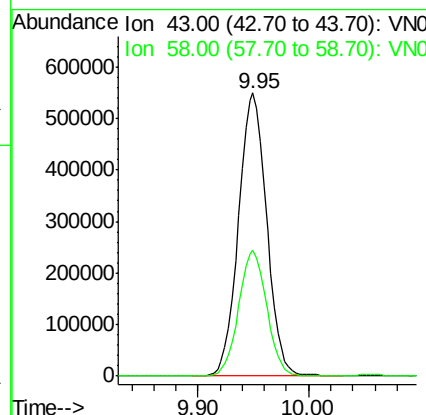
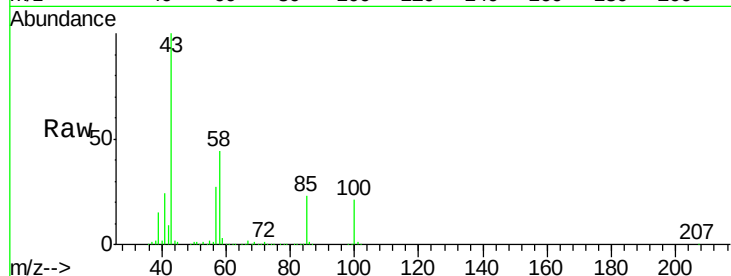
#51
 4-Methyl-2-Pentanone
 Concen: 214.747 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 970821
 Ion Ratio Lower Upper
 43 100
 58 44.4 35.0 52.6

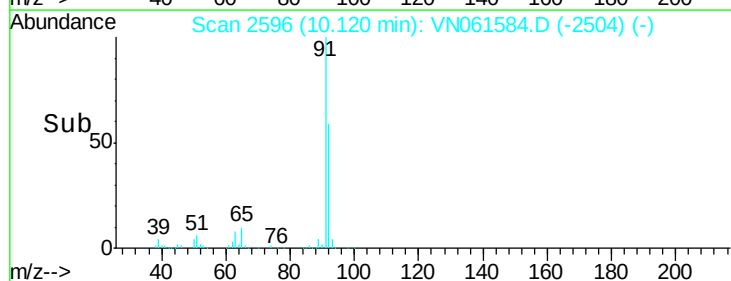
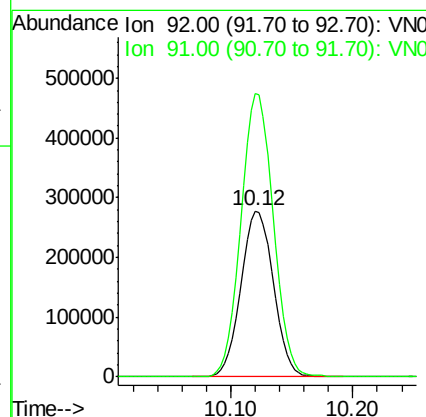
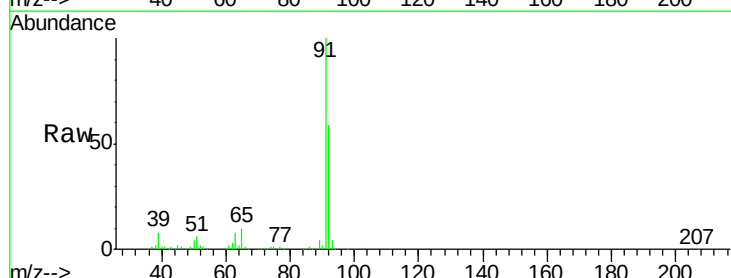
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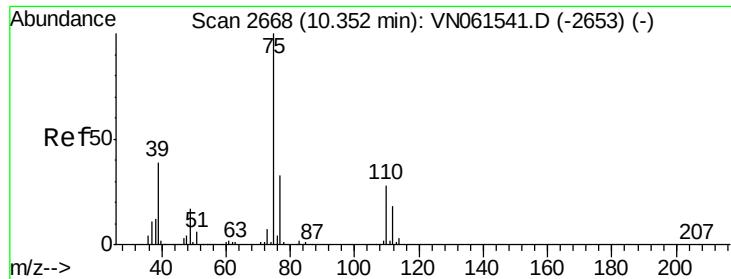
MMDadoda
 6/2/2020 4:01:35 PM



#52
 Toluene
 Concen: 45.810 ug/l
 RT: 10.12 min Scan# 2596
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion: 92 Resp: 510738
 Ion Ratio Lower Upper
 92 100
 91 170.5 136.4 204.6





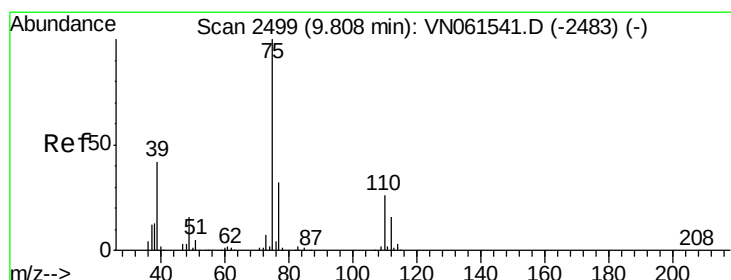
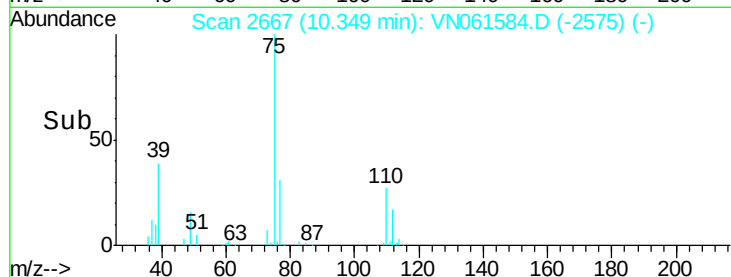
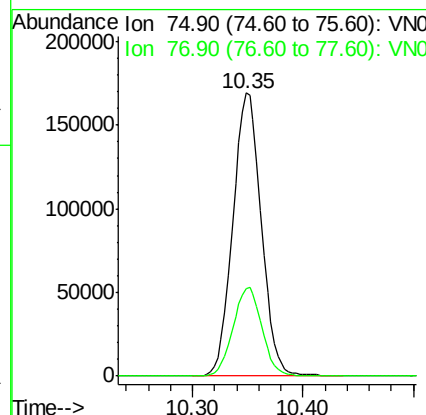
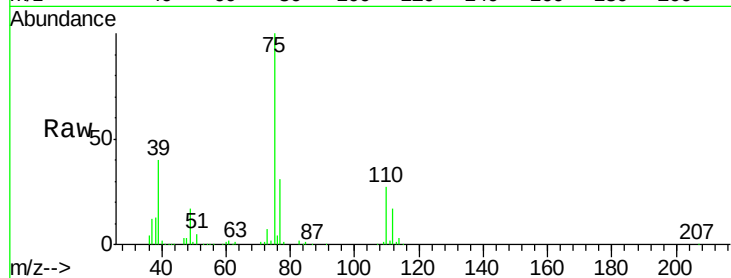
#53
t-1,3-Dichloropropene
Concen: 45.583 ug/l
RT: 10.35 min Scan# 2667
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 302645
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.4

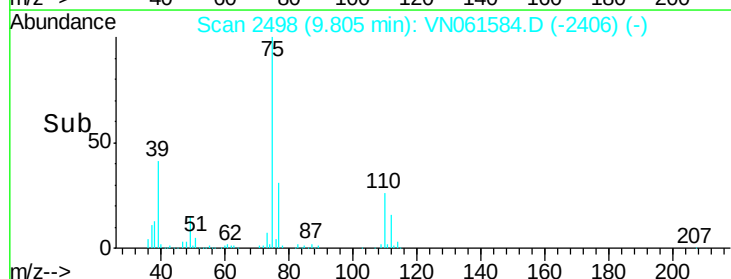
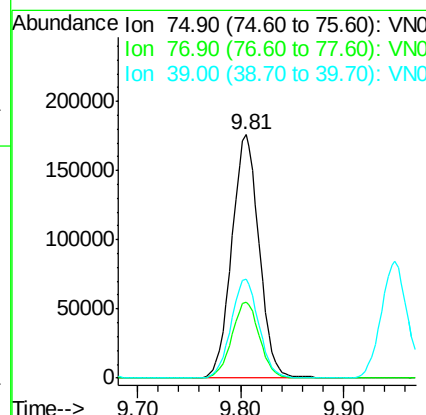
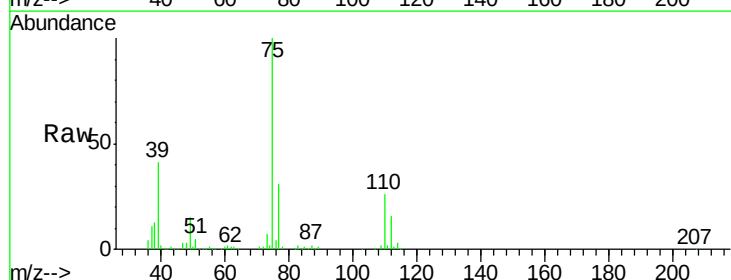
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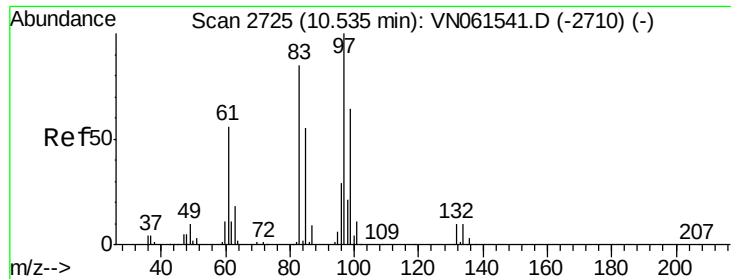
MMDadoda
6/2/2020 4:01:35 PM



#54
cis-1,3-Dichloropropene
Concen: 45.513 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion: 75 Resp: 324910
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2
39 40.8 33.8 50.6





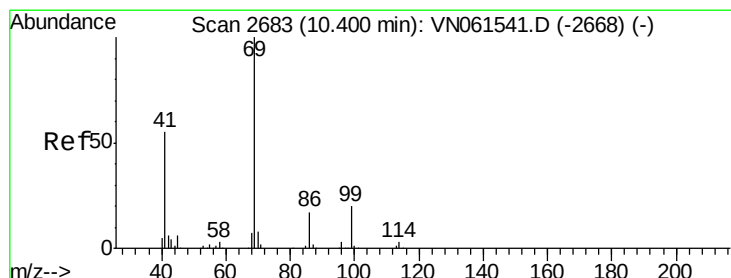
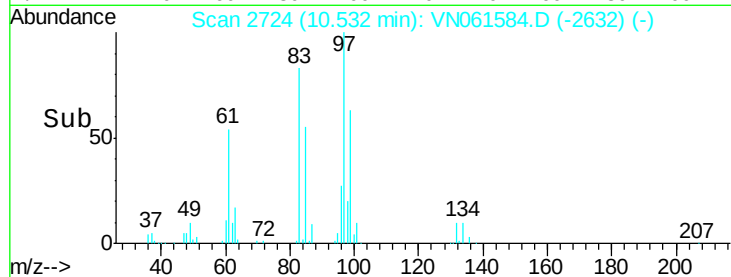
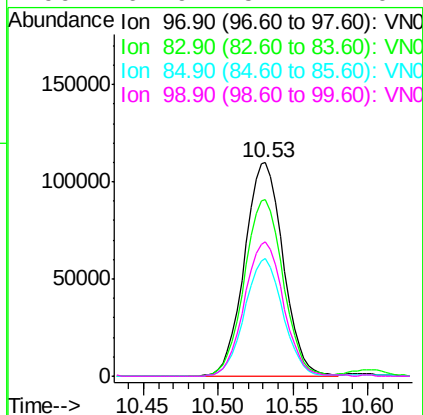
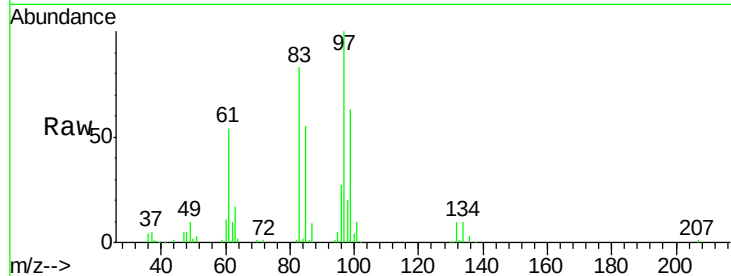
#55
 1,1,2-Trichloroethane
 Concen: 44.540 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	197837
Ion	Ratio	Lower	Upper
97	100		
83	82.6	68.1	102.1
85	54.9	44.1	66.1
99	62.9	51.1	76.7

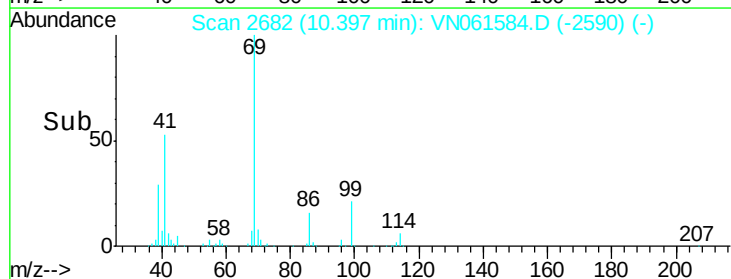
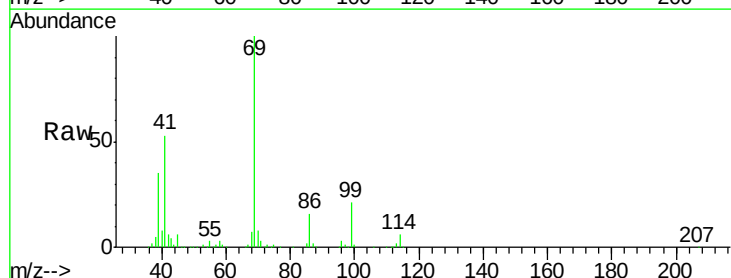
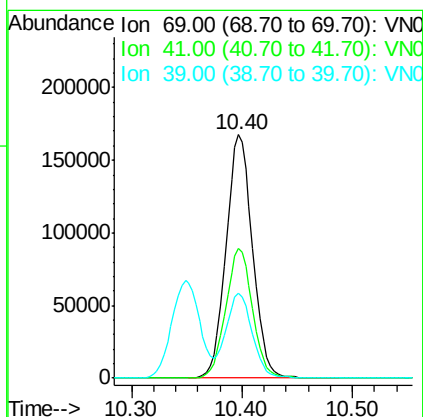
Manual Integrations
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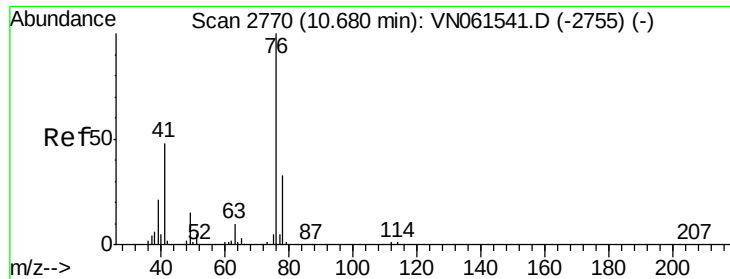
MMDadoda
 6/2/2020 4:01:35 PM



#56
 Ethyl methacrylate
 Concen: 44.895 ug/l
 RT: 10.40 min Scan# 2682
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion:	69	Resp:	278564
Ion	Ratio	Lower	Upper
69	100		
41	52.9	43.5	65.3
39	34.1	27.0	40.6





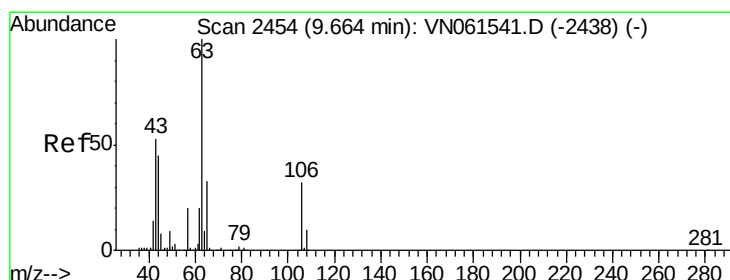
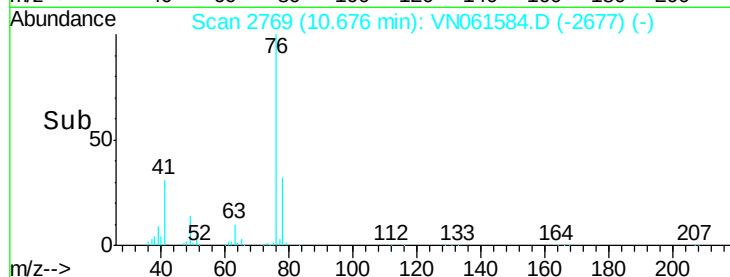
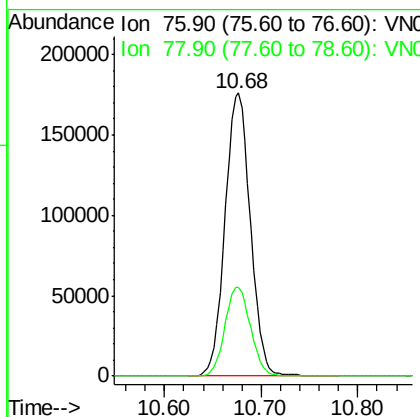
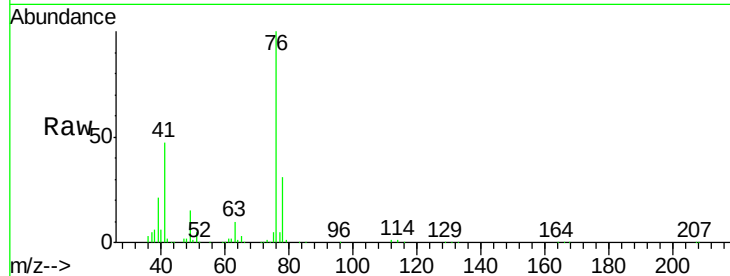
#57
 1,3-Dichloropropane
 Concen: 44.999 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.3	39.5

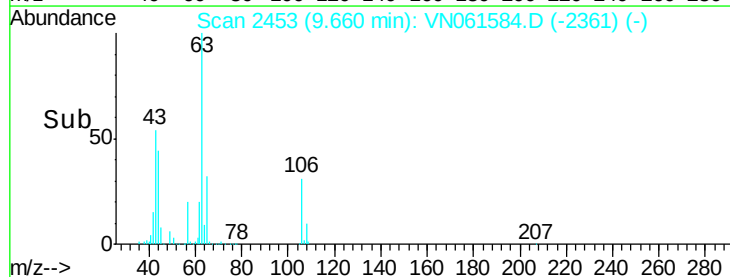
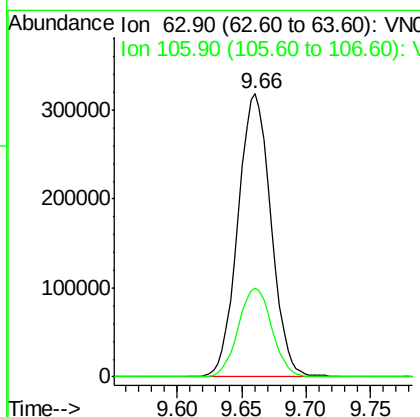
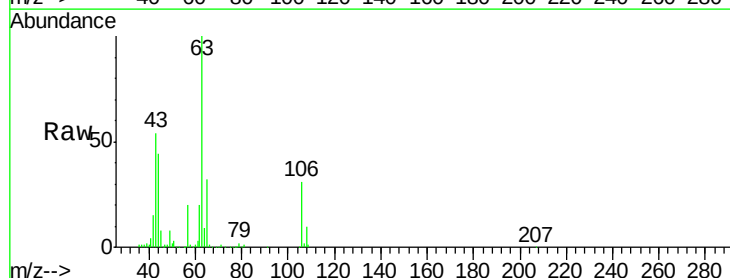
Manual Integrations
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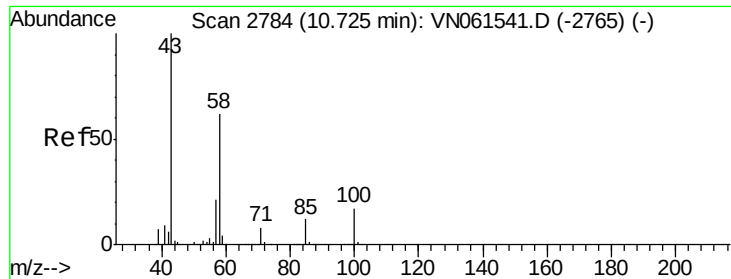
MMDadoda
 6/2/2020 4:01:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 214.360 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.1	25.9	38.9





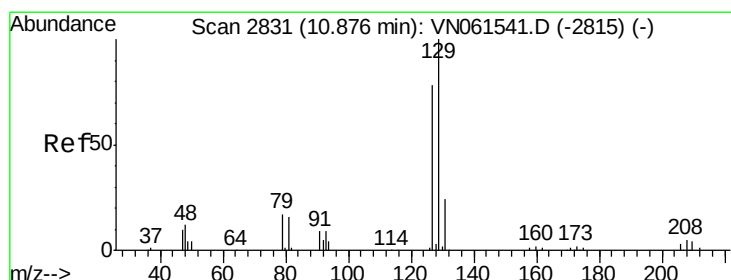
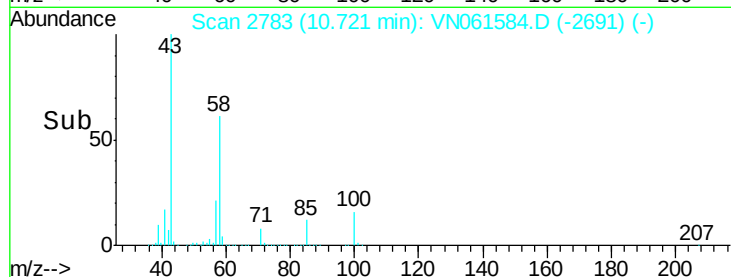
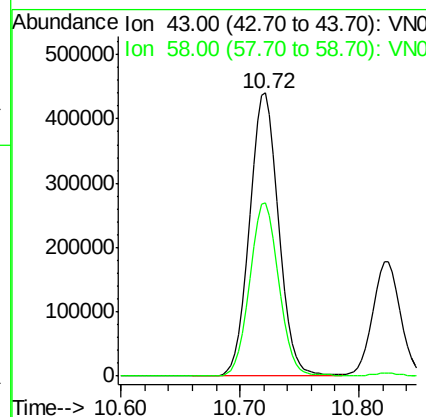
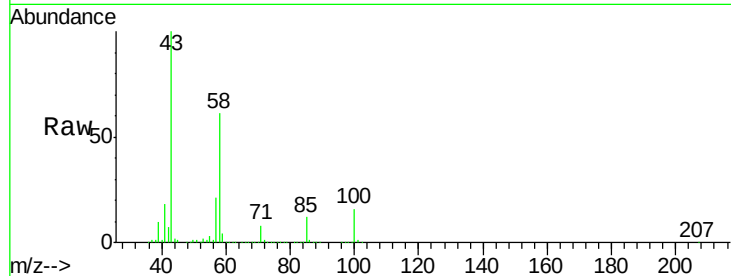
#59
2-Hexanone
Concen: 229.314 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 744512
Ion Ratio Lower Upper
43 100
58 61.5 30.7 92.1

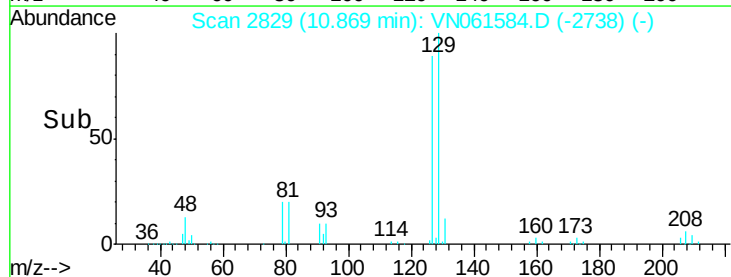
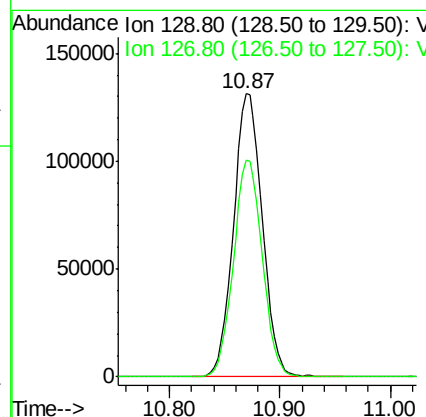
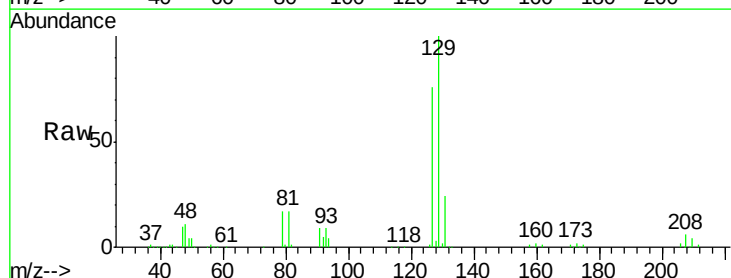
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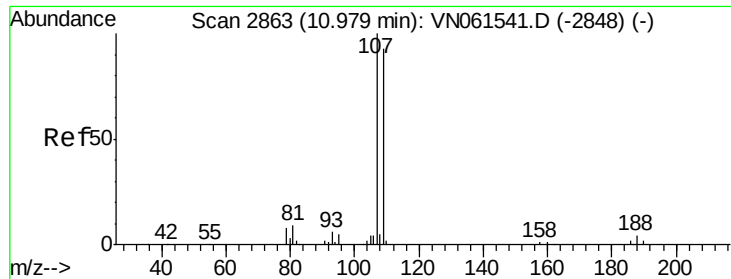
MMDadoda
6/2/2020 4:01:35 PM



#60
Dibromochloromethane
Concen: 47.087 ug/l
RT: 10.87 min Scan# 2829
Delta R.T. -0.01 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion: 129 Resp: 237779
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.3





#61

1,2-Dibromoethane

Concen: 46.299 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 214486

Ion Ratio Lower Upper

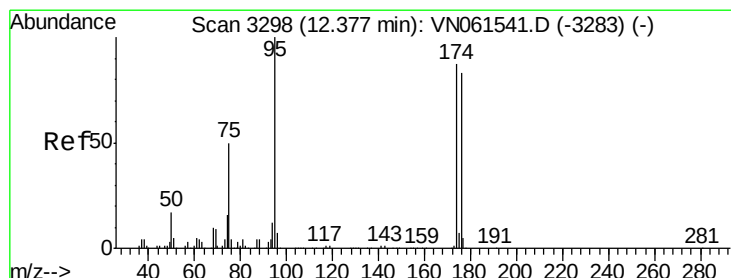
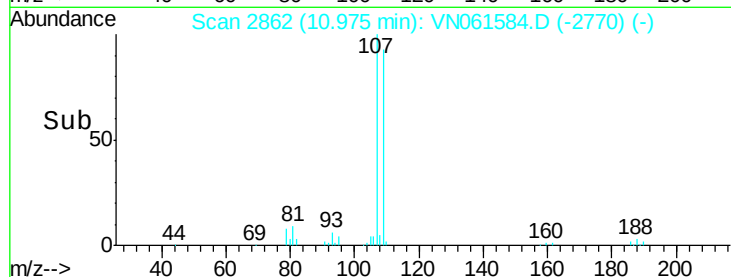
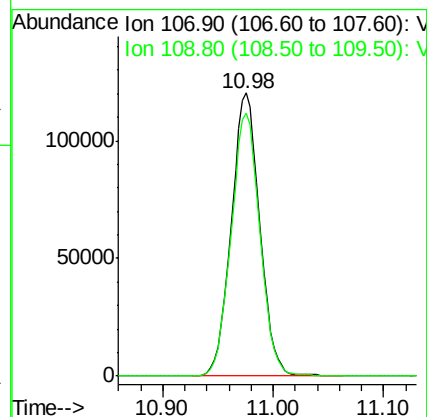
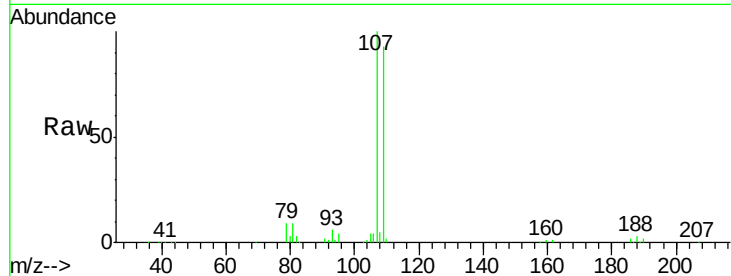
107 100

109 94.5 76.1 114.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 44.716 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

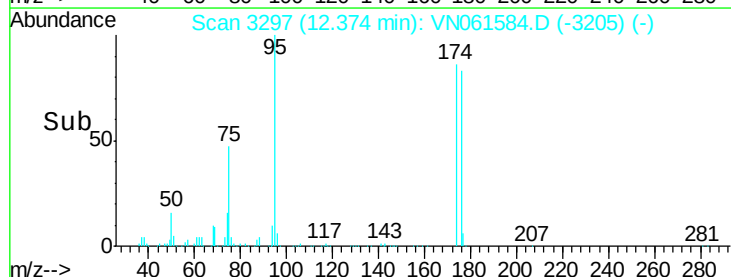
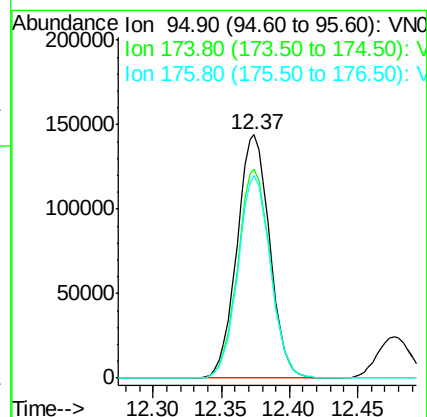
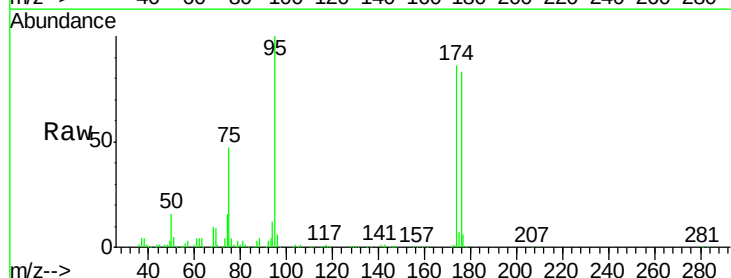
Tgt Ion: 95 Resp: 239839

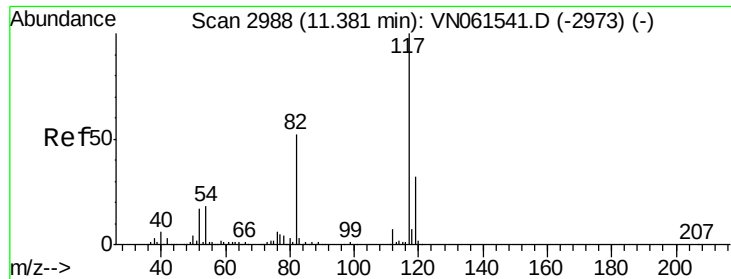
Ion Ratio Lower Upper

95 100

174 86.0 0.0 172.8

176 82.9 0.0 164.8





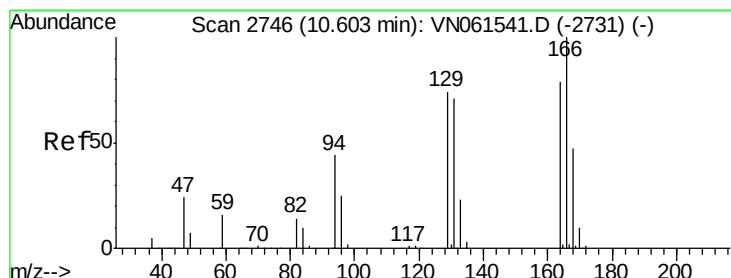
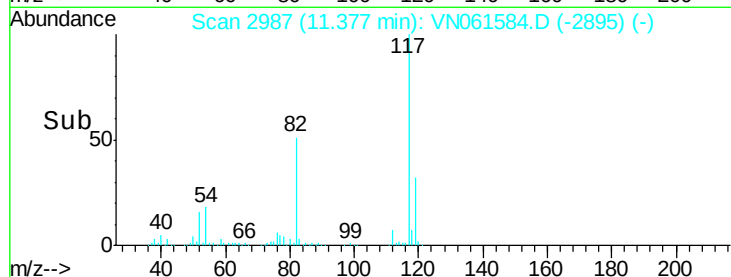
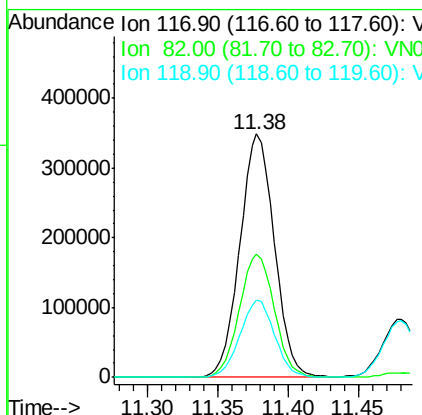
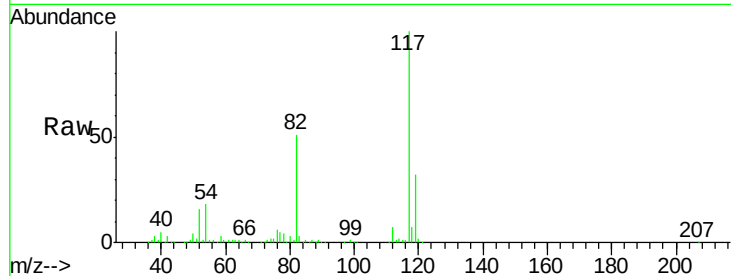
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	599288		
82	50.6		41.5	62.3
119	31.7		25.6	38.4

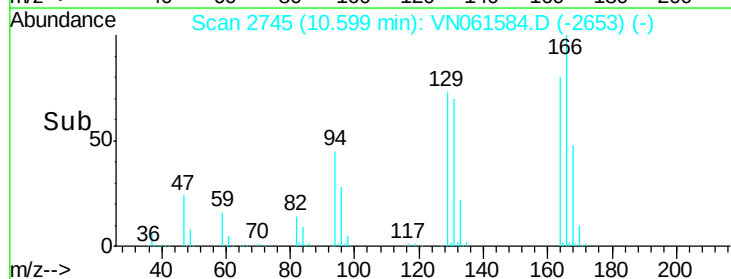
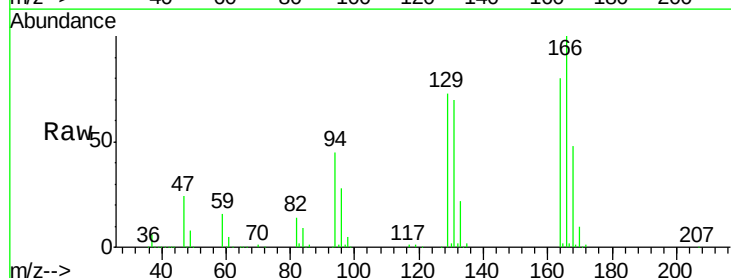
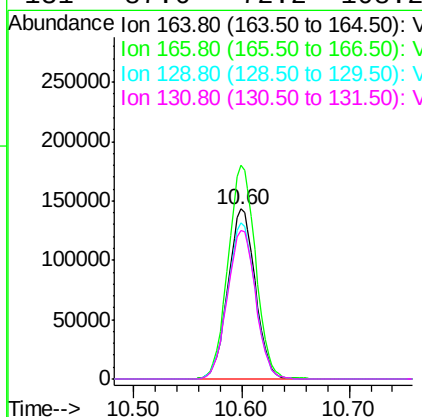
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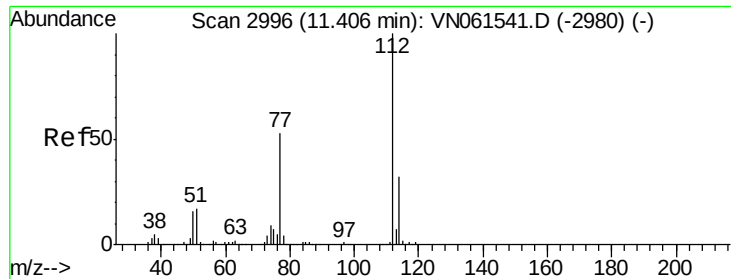
MMDadoda
6/2/2020 4:01:35 PM



#64
Tetrachloroethene
Concen: 44.824 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	252861		
166	125.7		101.5	152.3
129	92.0		74.9	112.3
131	87.6		72.2	108.2





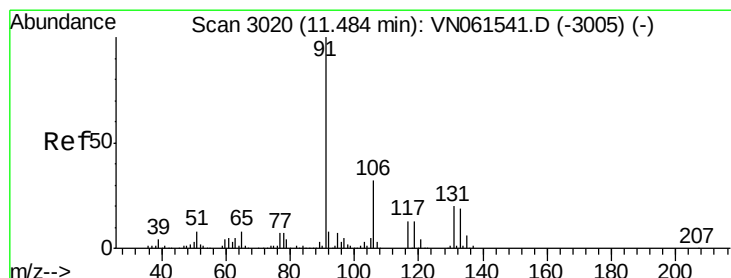
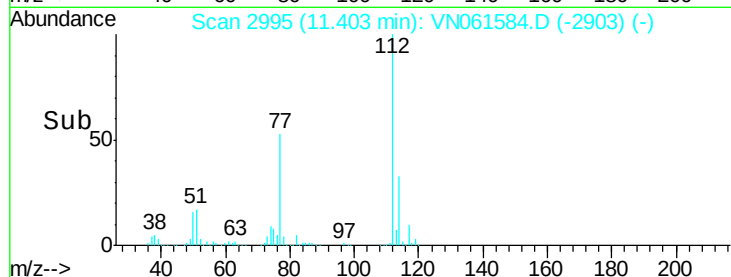
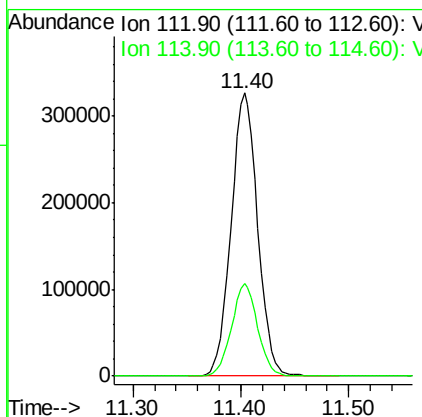
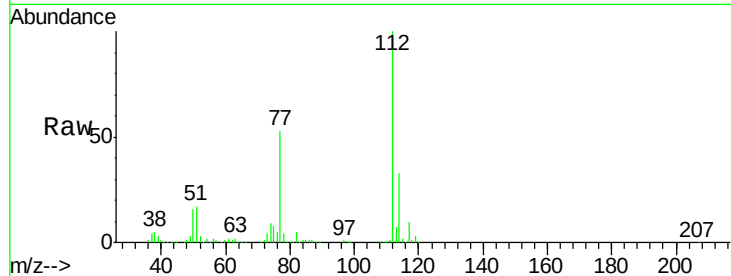
#65
Chlorobenzene
Concen: 44.880 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 559066
Ion Ratio Lower Upper
112 100
114 32.7 25.7 38.5

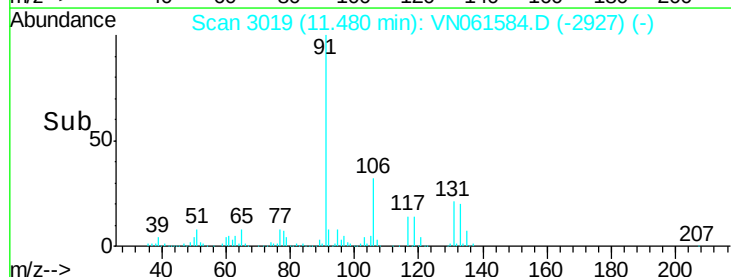
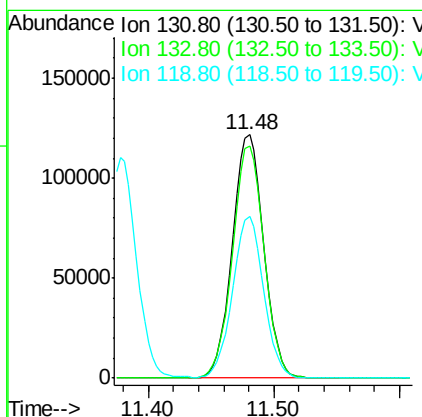
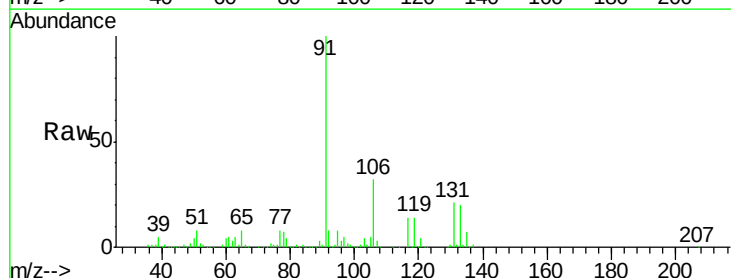
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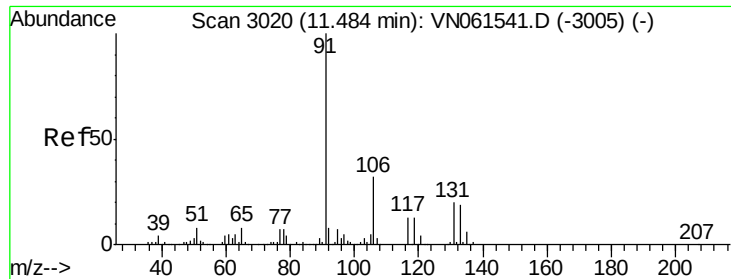
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.551 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion:131 Resp: 211283
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.2
119 66.0 32.6 97.8





#67

Ethyl Benzene

Concen: 45.436 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 978265

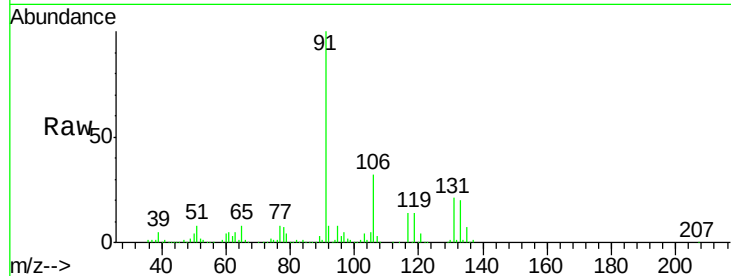
Ion Ratio Lower Upper

91 100

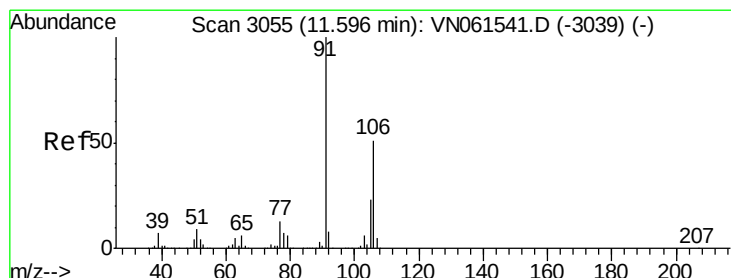
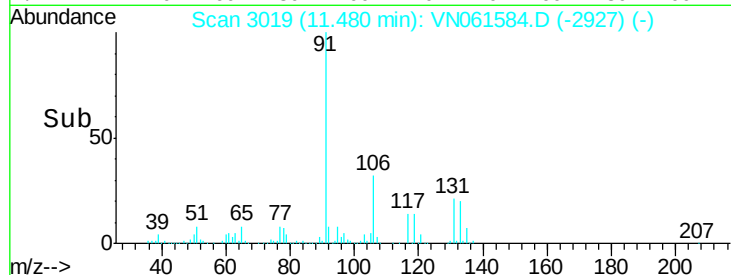
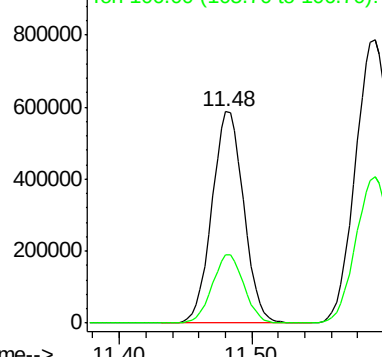
106 32.1 25.6 38.4

Manual Integrations
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6/2/2020 4:01:35 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061584.D (-2927) (-)



#68

m/p-Xylenes

Concen: 91.103 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061584.D

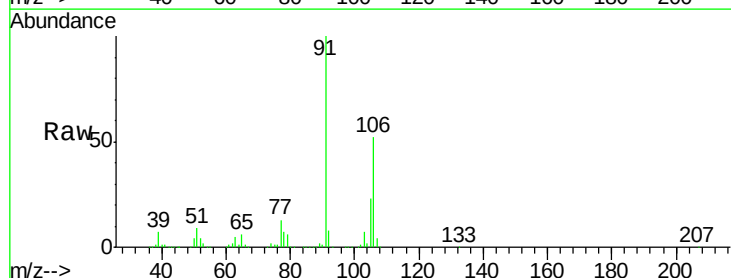
Acq: 1 Jun 2020 9:51

Tgt Ion: 106 Resp: 777742

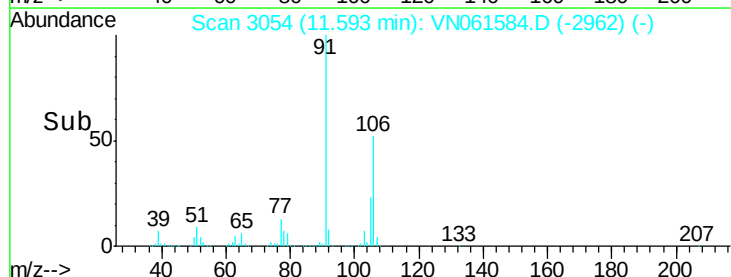
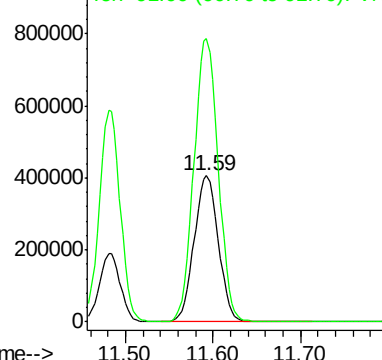
Ion Ratio Lower Upper

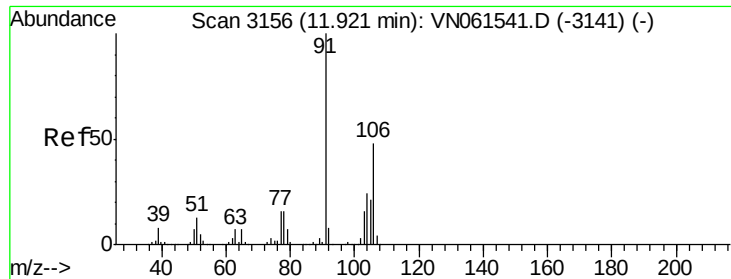
106 100

91 194.5 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): VN061584.D (-2962) (-)





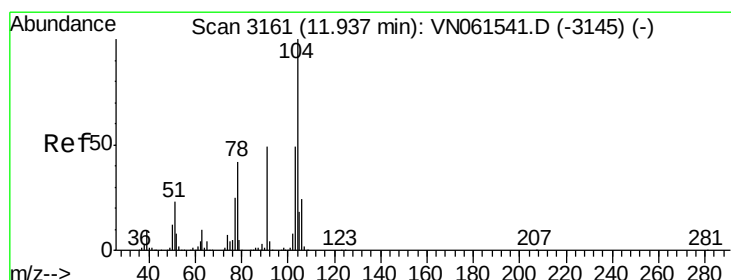
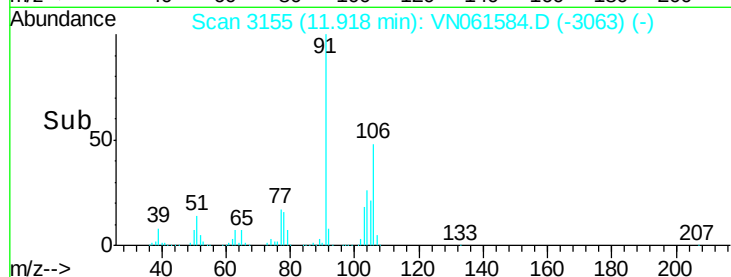
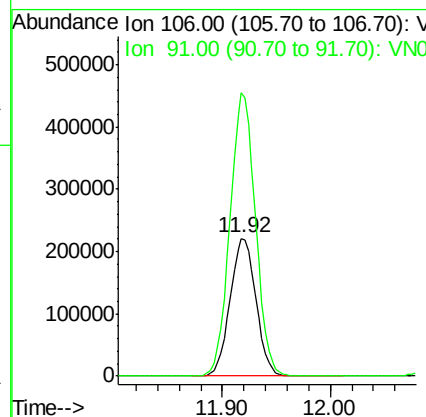
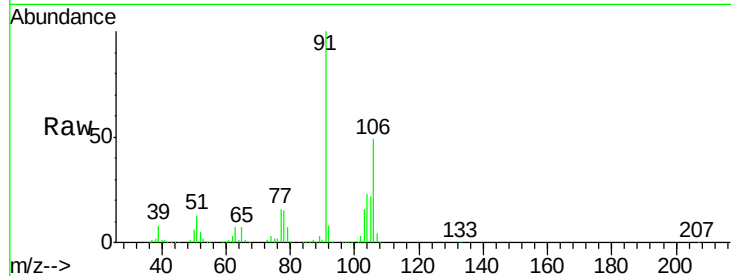
#69
o-Xylene
Concen: 45.643 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.9	103.3	309.8

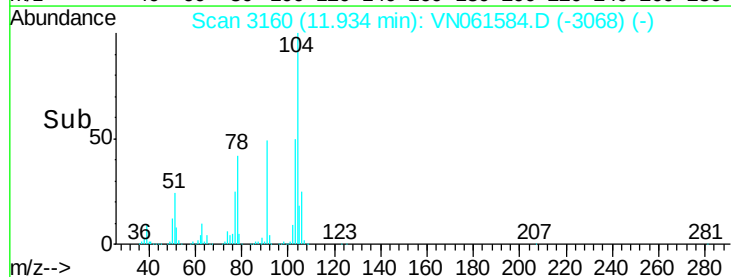
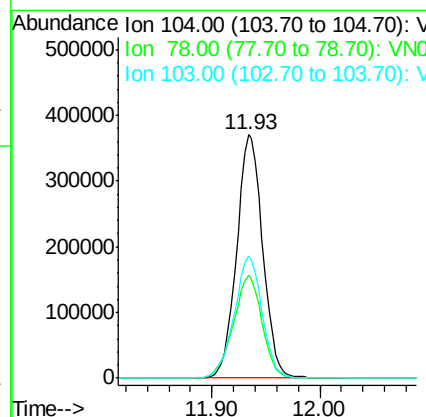
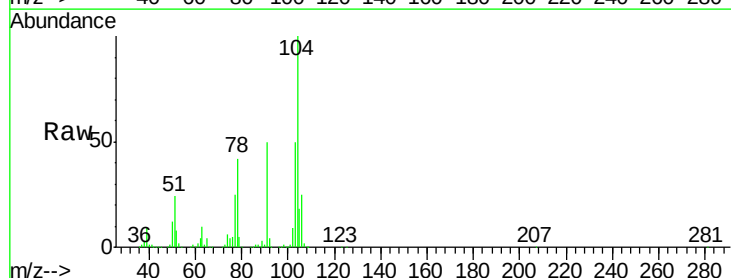
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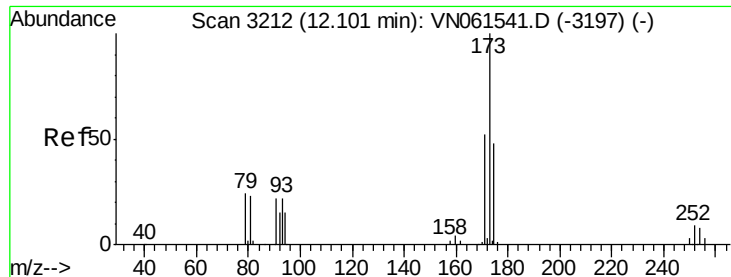
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#70
Styrene
Concen: 46.486 ug/l
RT: 11.93 min Scan# 3160
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.5	37.4	56.0
103	53.8	42.3	63.5





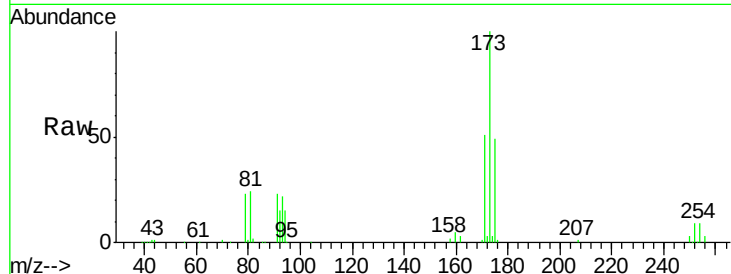
#71
Bromoform
Concen: 46.550 ug/l
RT: 12.10 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

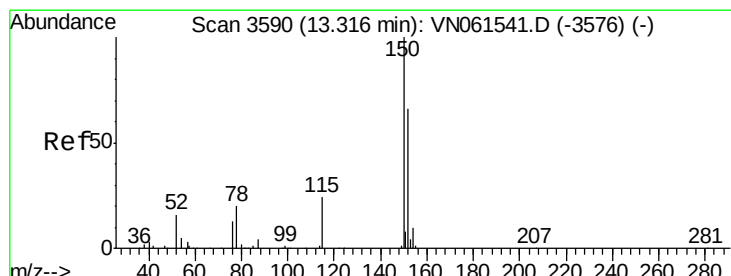
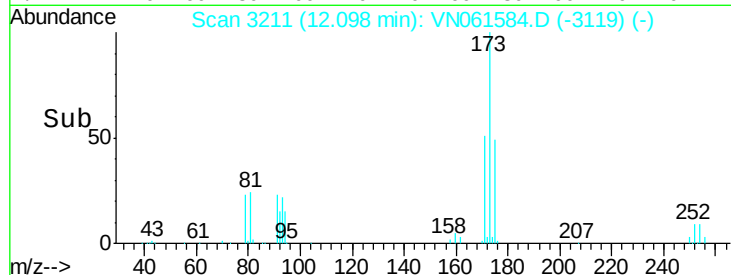
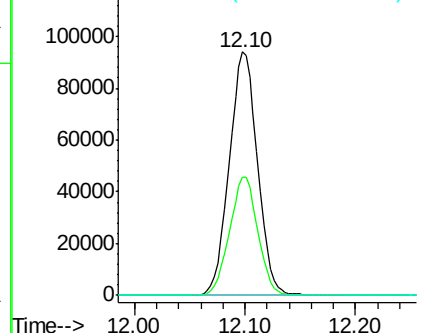
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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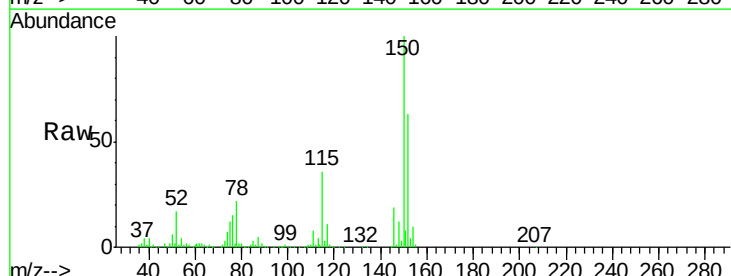


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

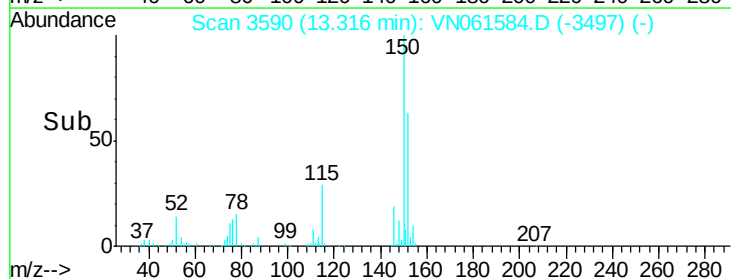
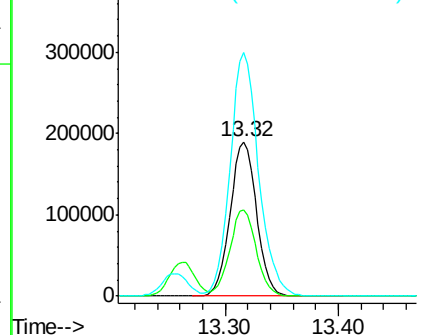


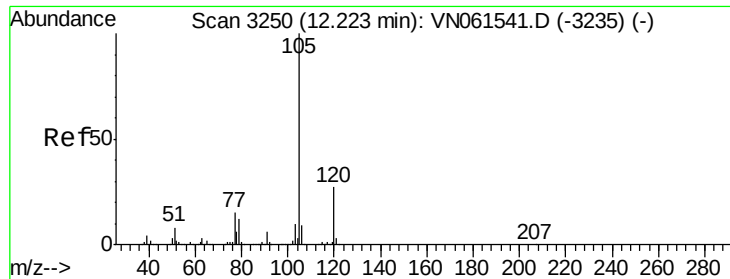
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.0	84.0
150	170.4	0.0	344.0



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





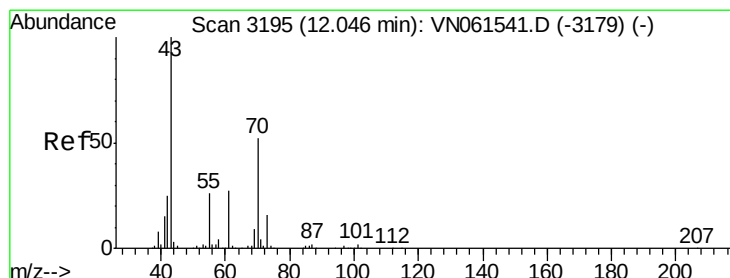
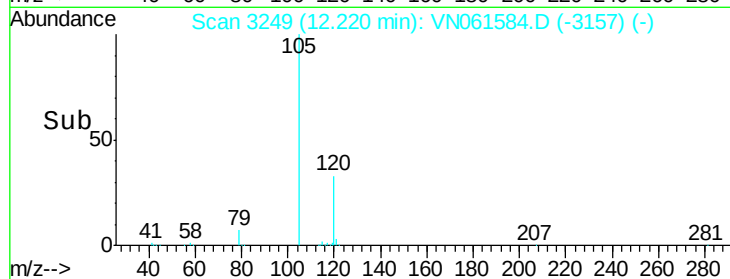
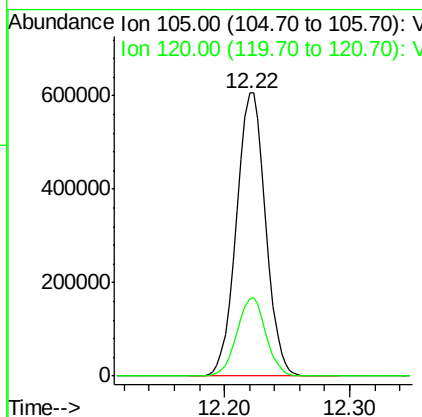
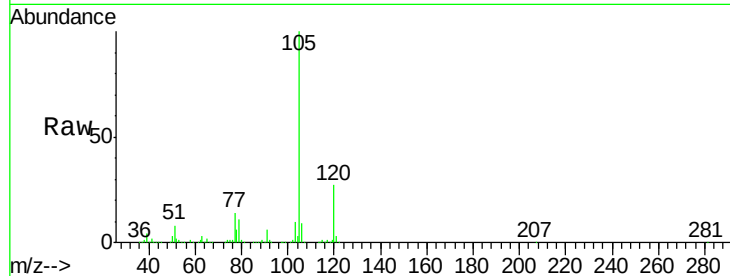
#73
Isopropylbenzene
Concen: 43.650 ug/l
RT: 12.22 min Scan# 3249
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.8	41.3

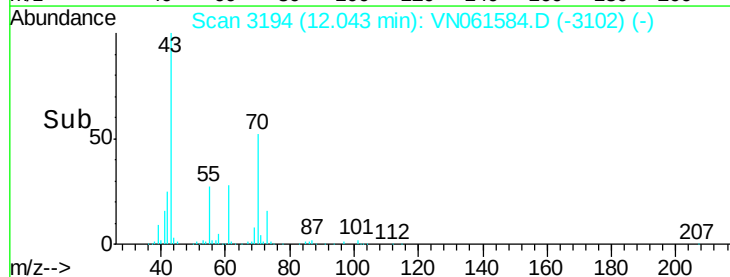
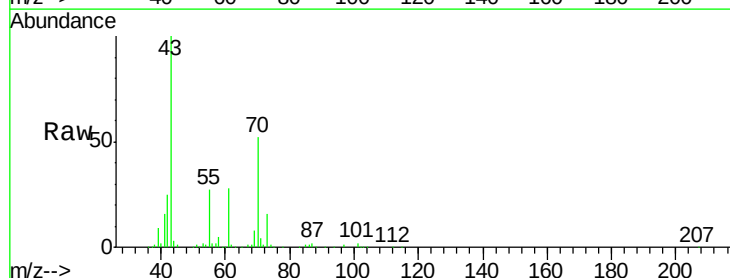
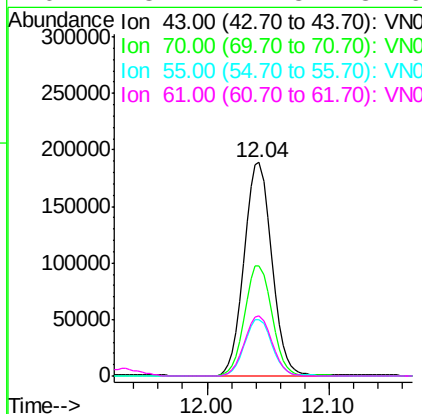
Manual Integrations
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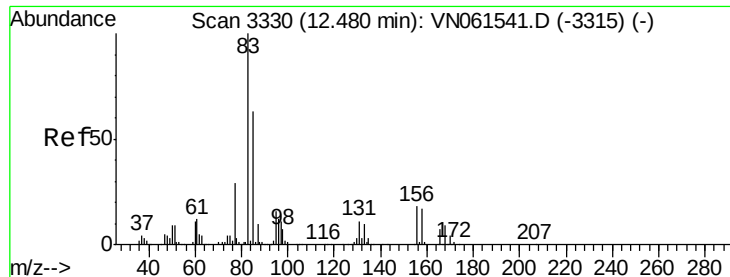
MMDadoda
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#74
N-ethyl acetate
Concen: 41.818 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	51.1	40.5	60.7
55	26.5	20.6	31.0
61	28.2	21.8	32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 40.718 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

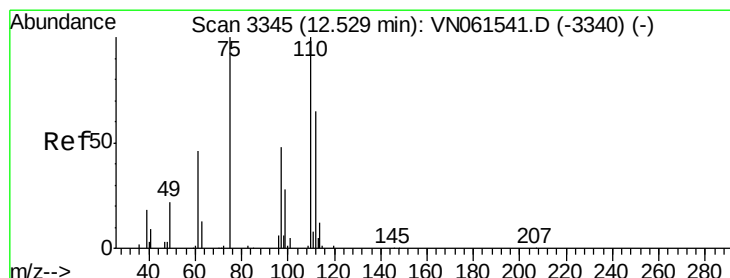
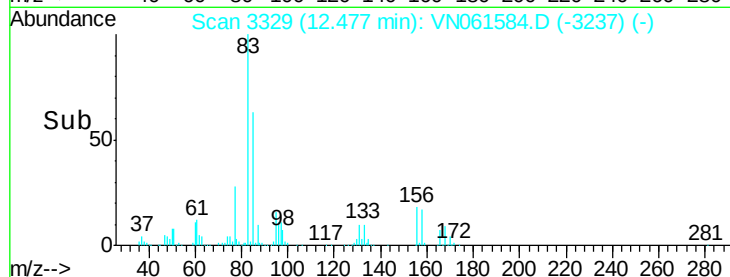
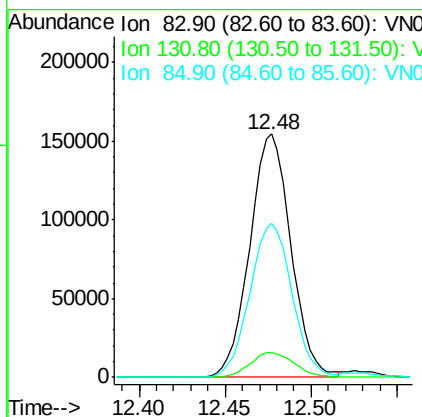
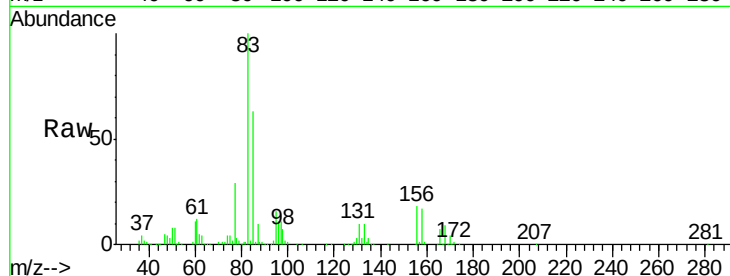
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	256486
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.5
85	64.4	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.462 ug/l m

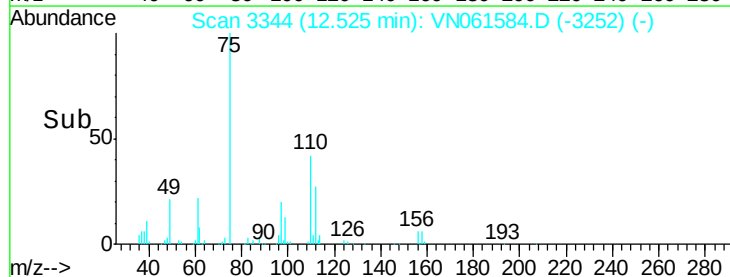
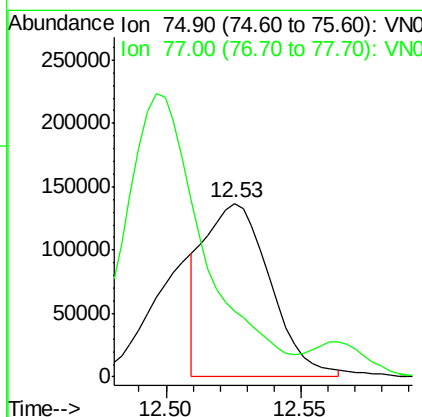
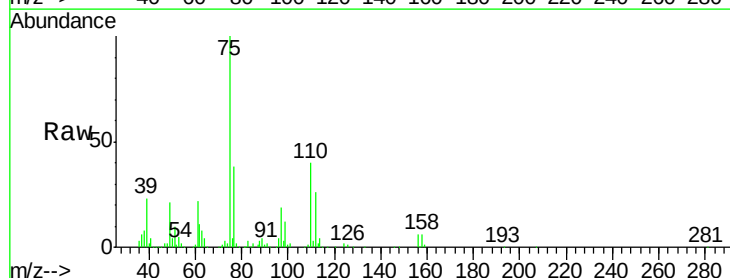
RT: 12.53 min Scan# 3344

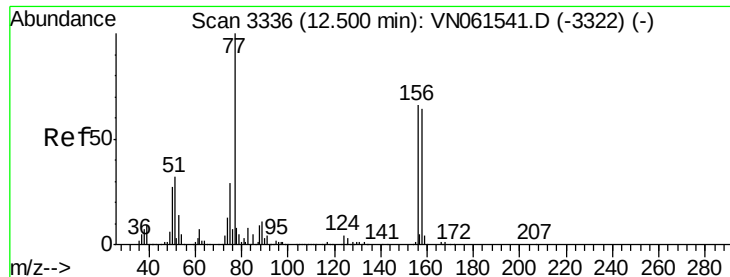
Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Tgt Ion:	75	Resp:	232191
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.845 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

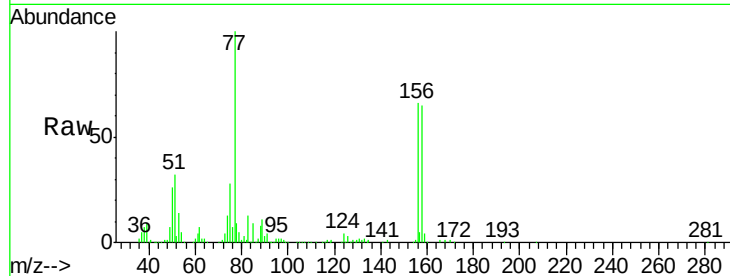
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	251569
Ion Ratio	Lower	Upper	
156	100		
77	179.9	90.9	272.7
158	98.1	48.4	145.3

Manual Integrations
APPROVED

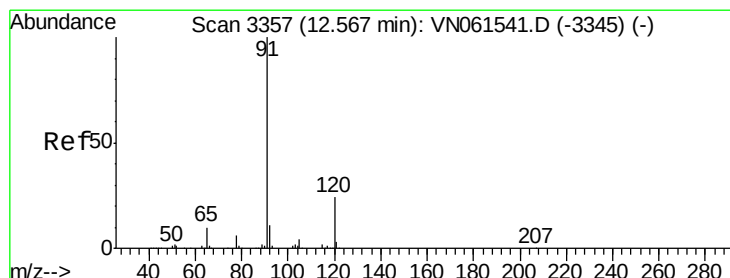
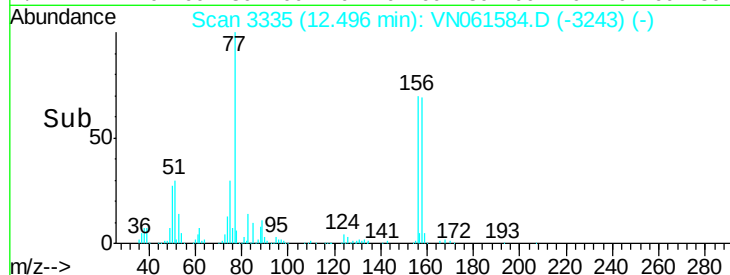
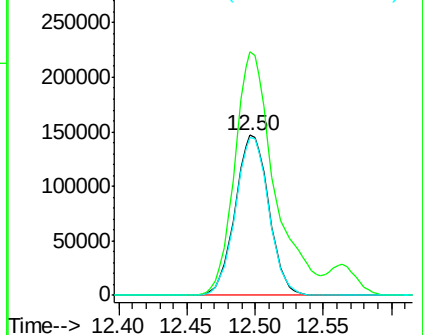
MMDadoda
6/2/2020 4:01:35 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.477 ug/l

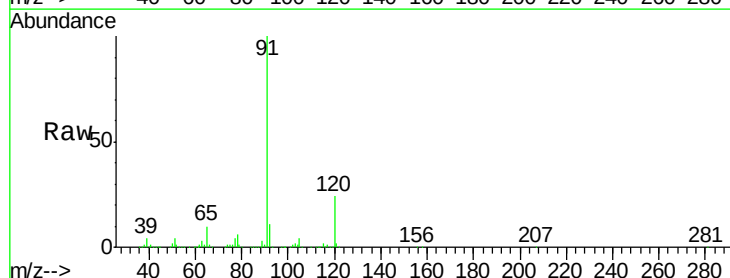
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061584.D

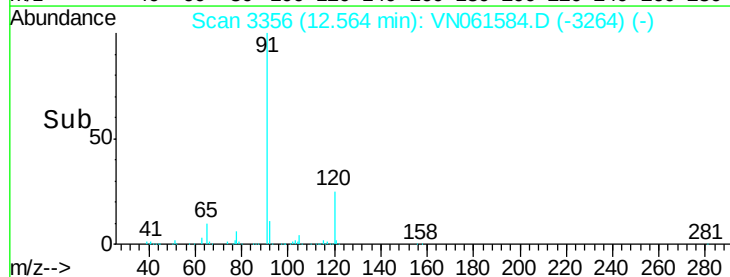
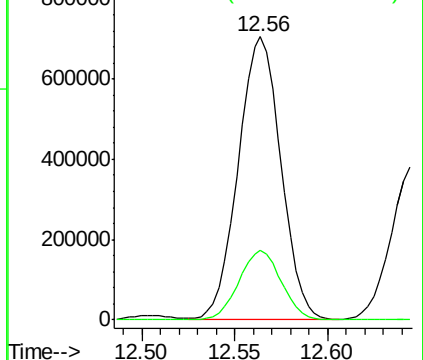
Acq: 1 Jun 2020 9:51

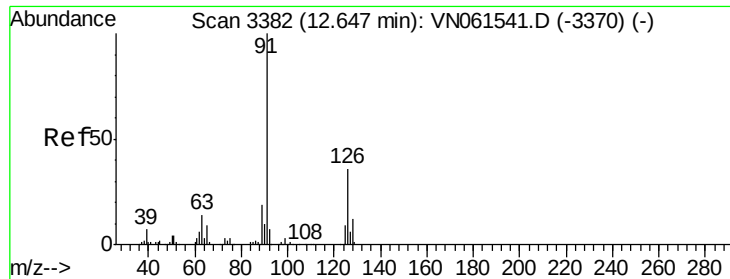
Tgt Ion:	91	Resp:	1116095
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





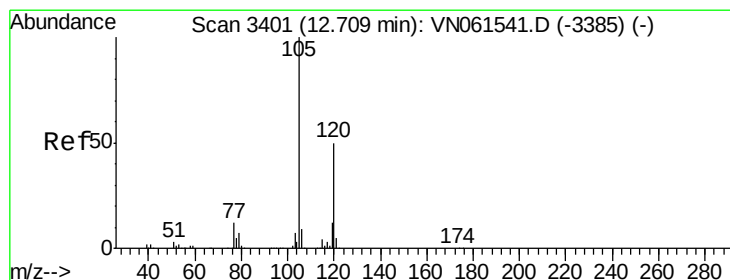
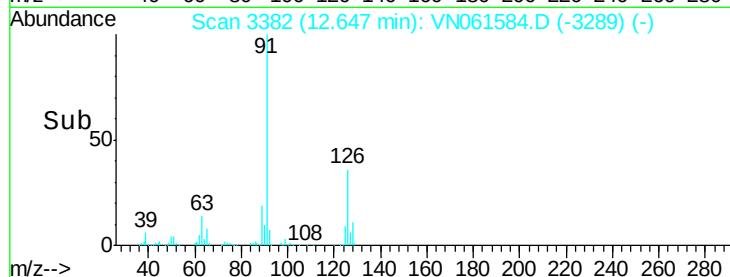
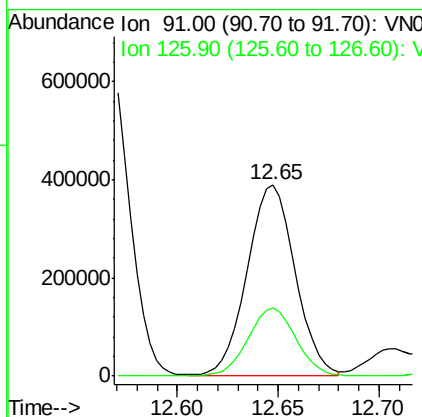
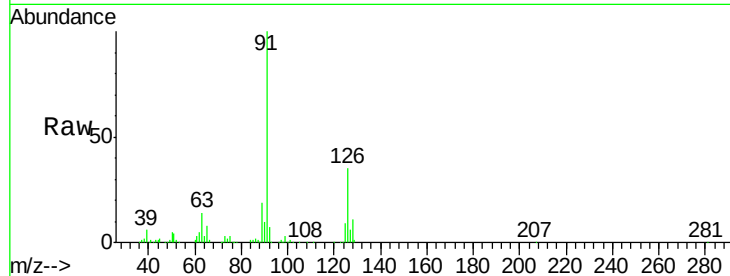
#79
 2-Chlorotoluene
 Concen: 42.932 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 642399
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.9 53.7

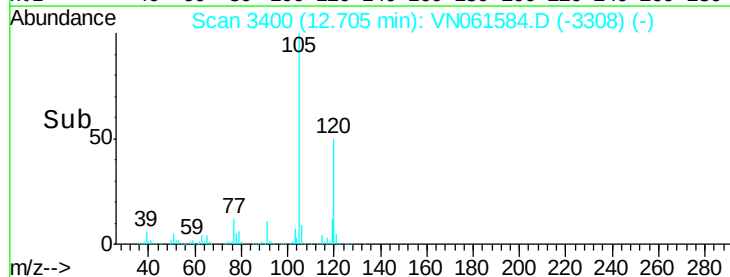
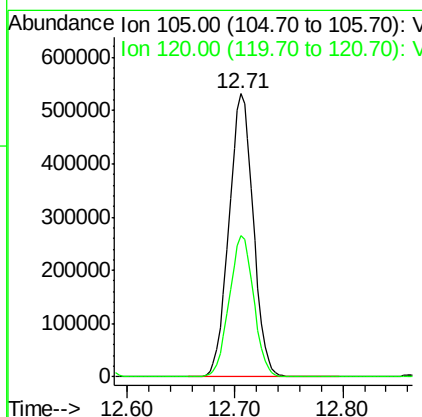
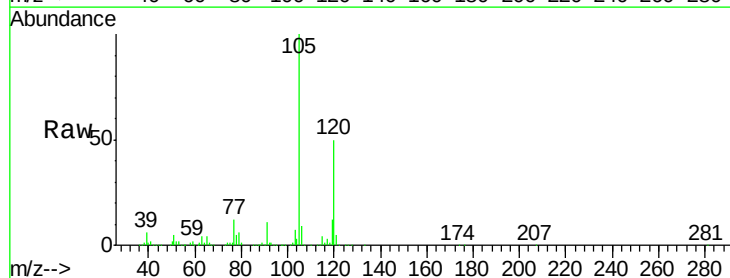
Manual Integrations
 APPROVED

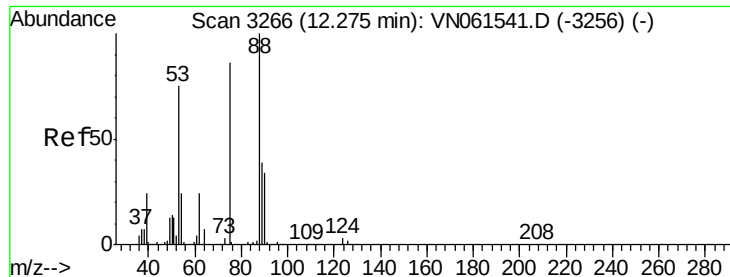
MMDadoda
 6/2/2020 4:01:35 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 44.483 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion: 105 Resp: 835718
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.1 75.2





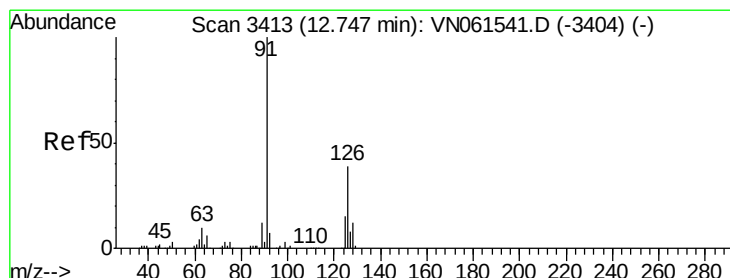
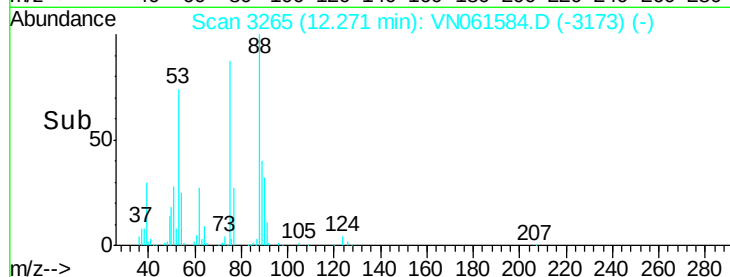
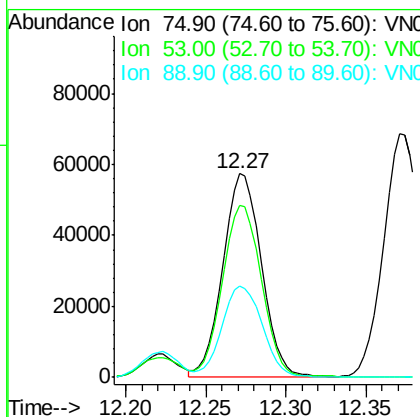
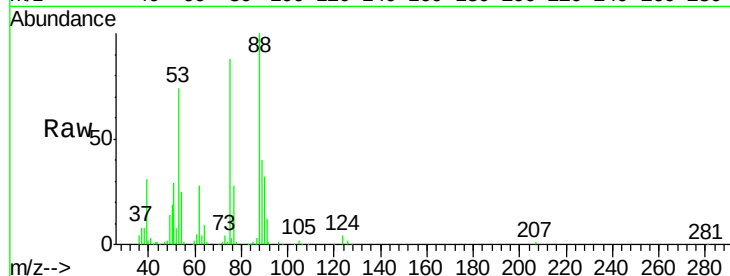
#81
trans-1,4-Dichloro-2-butene
Concen: 43.407 ug/l
RT: 12.27 min Scan# 3265
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.2	67.8	101.8
89	47.0	37.1	55.7

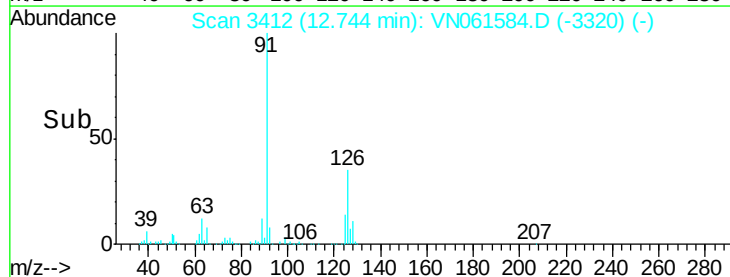
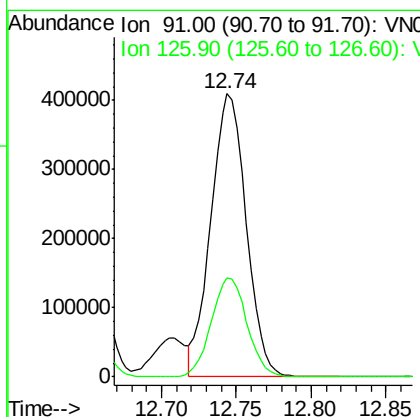
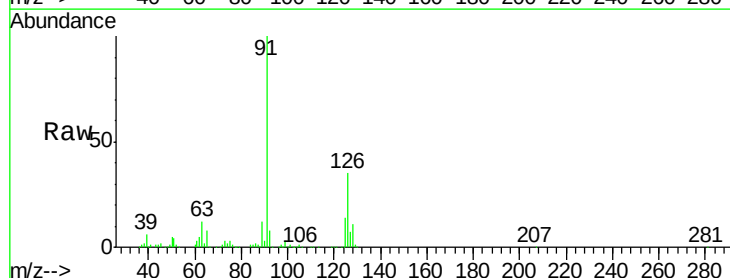
Manual Integrations
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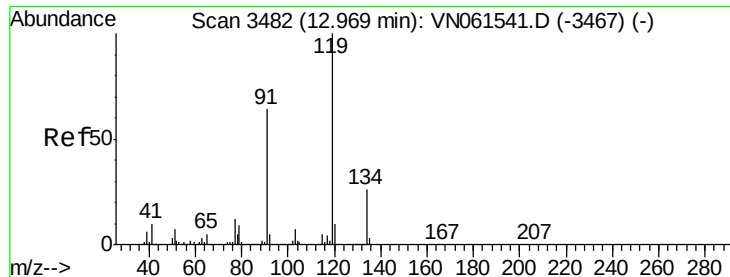
MMDadoda
6/2/2020 4:01:35 PM



#82
4-Chlorotoluene
Concen: 42.627 ug/l
RT: 12.74 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.5	52.6





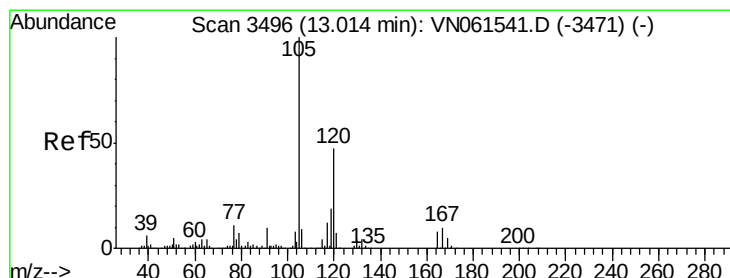
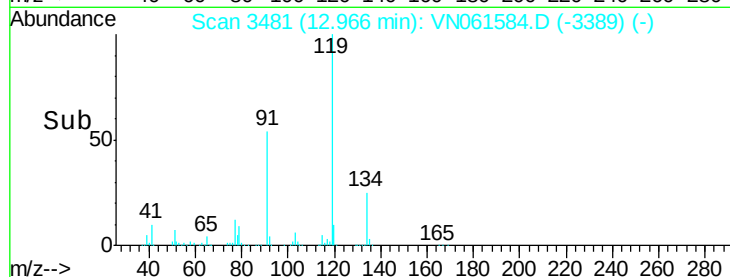
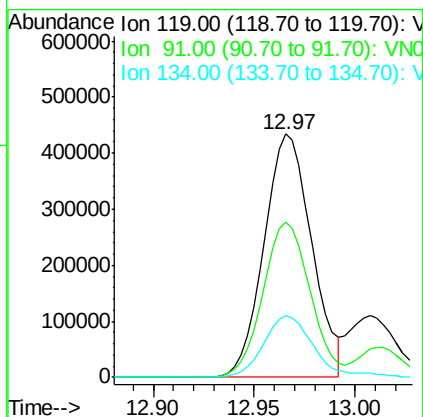
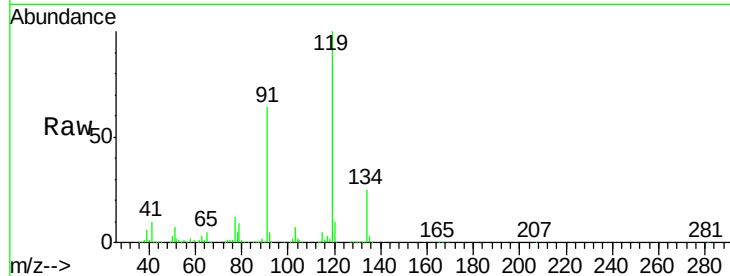
#83
 tert-Butylbenzene
 Concen: 42.996 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.3	93.8
134	26.7	13.5	40.4

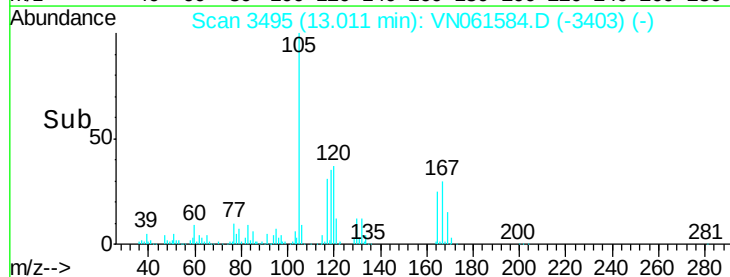
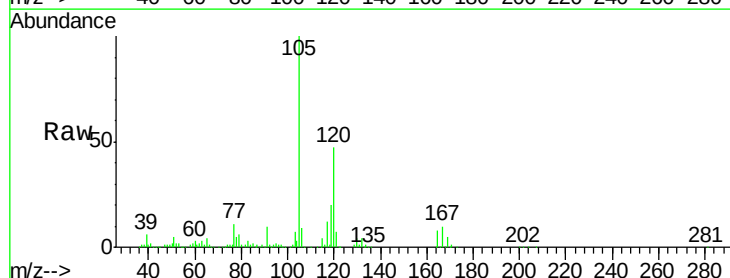
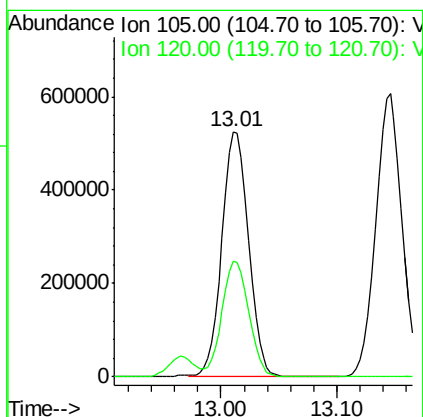
Manual Integrations
 APPROVED

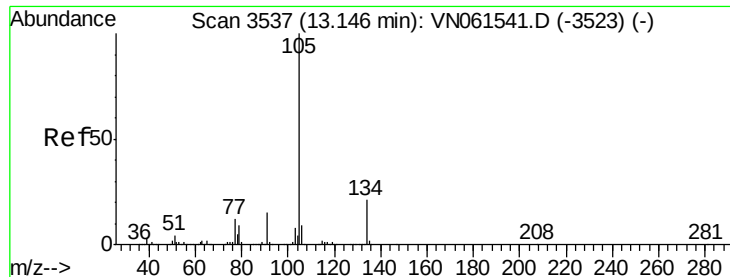
MMDadoda
 6/2/2020 4:01:35 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 44.764 ug/l
 RT: 13.01 min Scan# 3495
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.2	69.5





#85

sec-Butylbenzene

Concen: 44.699 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 956100

Ion Ratio Lower Upper

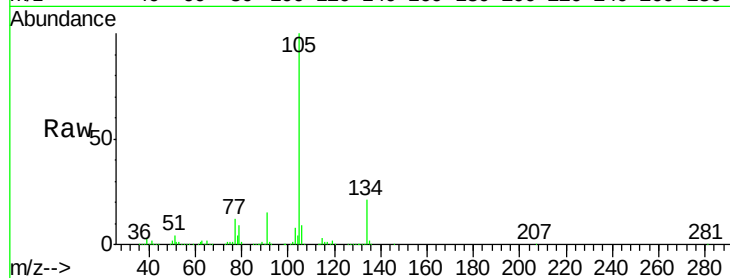
105 100

134 21.1 10.7 31.9

Manual Integrations
APPROVED

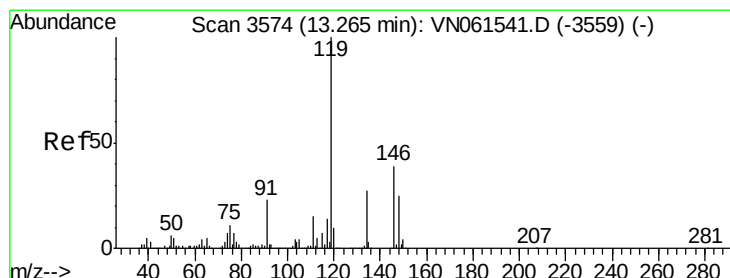
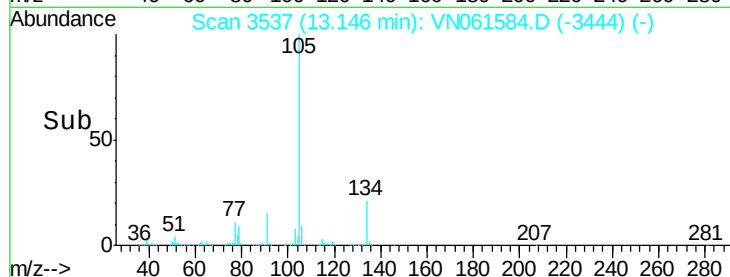
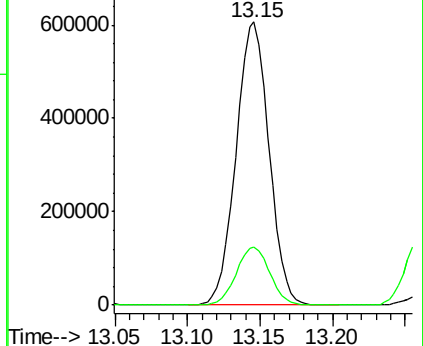
MMDadoda

6/2/2020 4:01:35 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.803 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061584.D

Acq: 1 Jun 2020 9:51

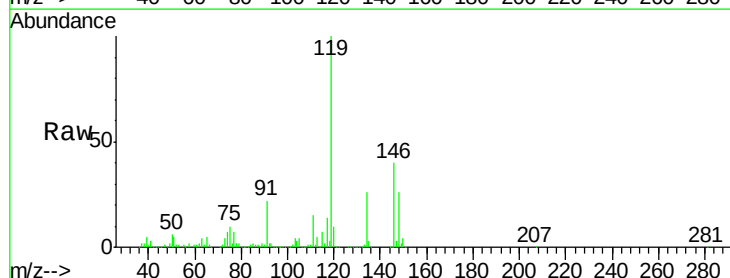
Tgt Ion:119 Resp: 902247

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

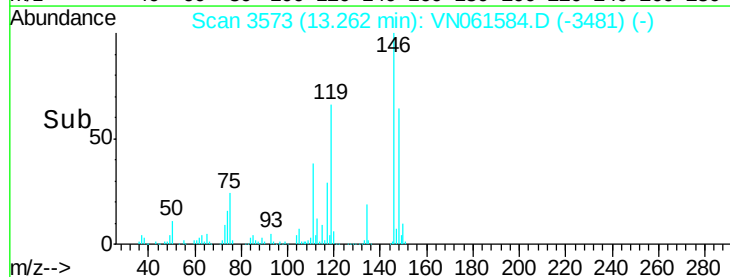
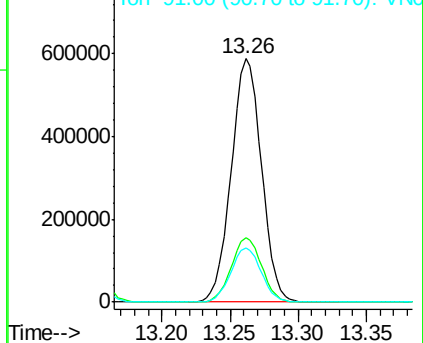
91 22.3 11.4 34.1

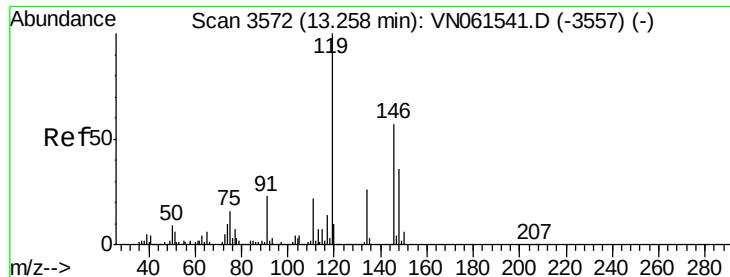


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





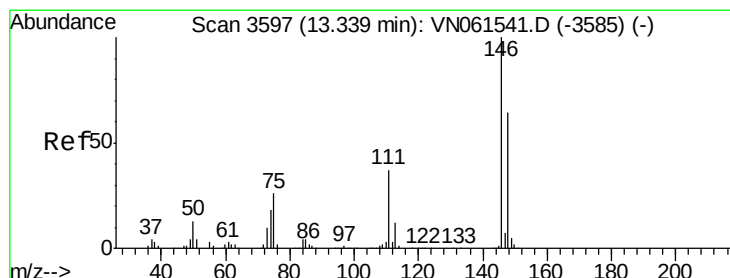
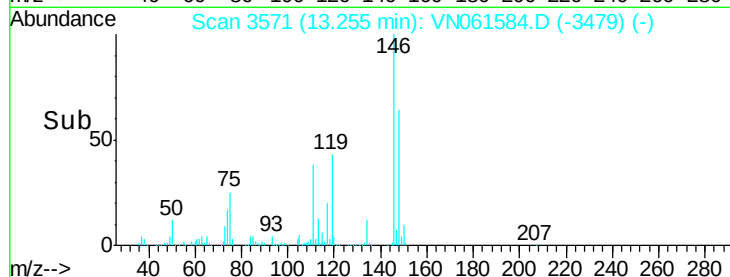
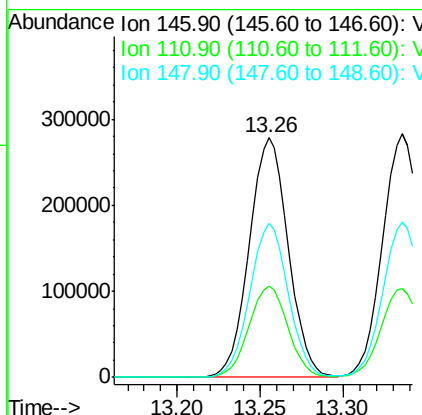
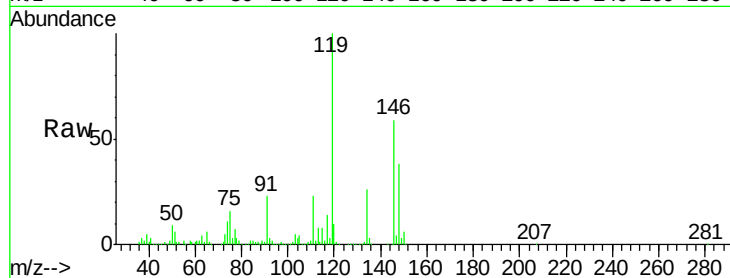
#87
 1,3-Dichlorobenzene
 Concen: 44.825 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.2	57.6
148	63.6	31.7	95.1

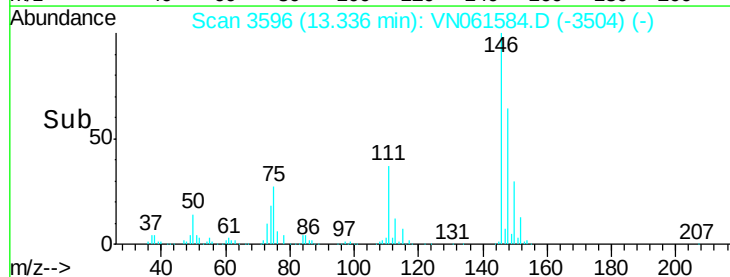
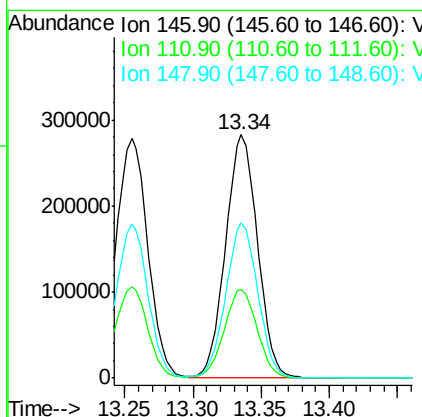
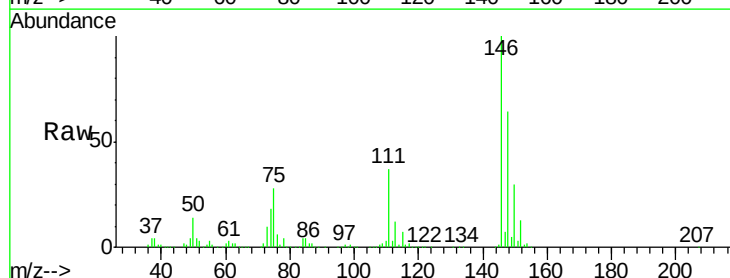
Manual Integrations
 APPROVED

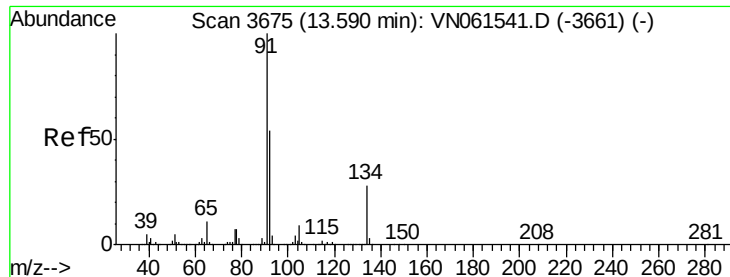
MMDadoda
 6/2/2020 4:01:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 44.505 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	64.1	31.8	95.3





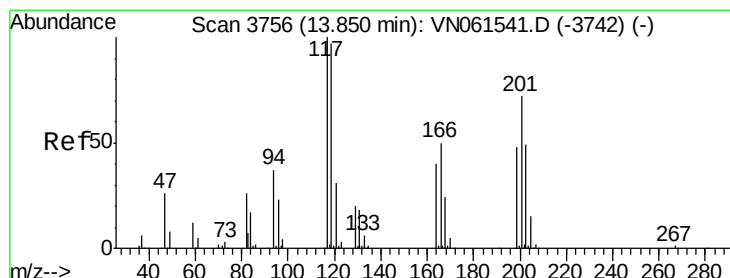
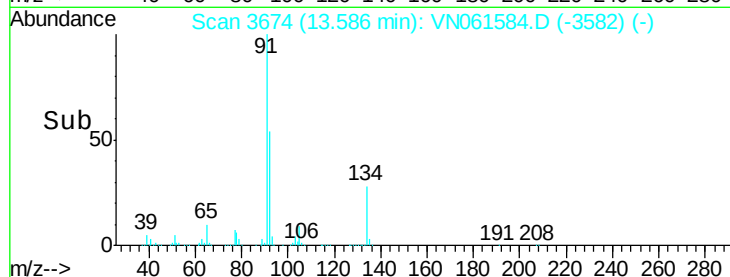
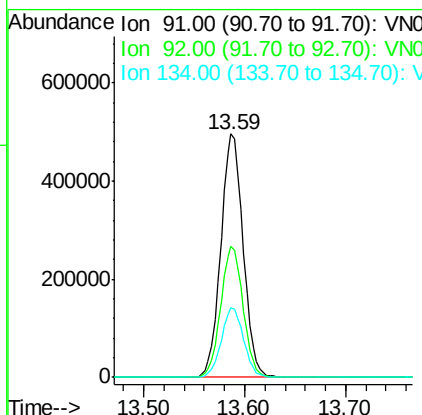
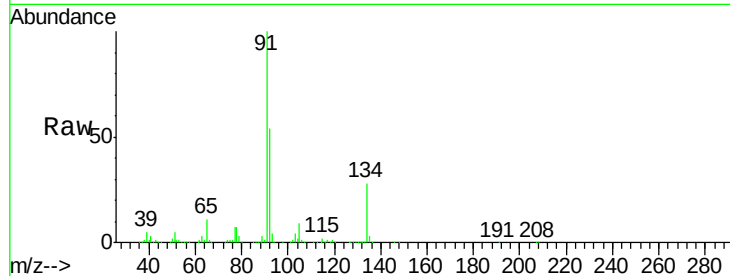
#89
n-Butylbenzene
Concen: 46.434 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.2	81.6
134	28.5	14.0	42.0

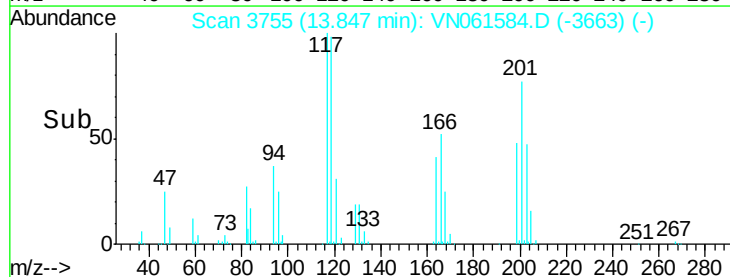
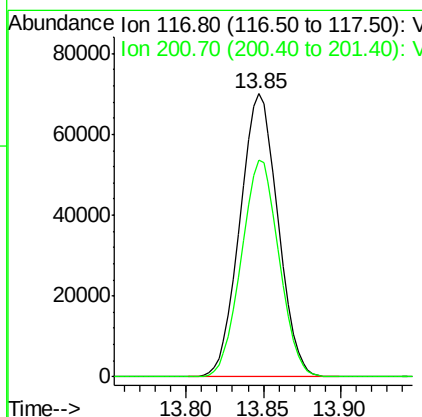
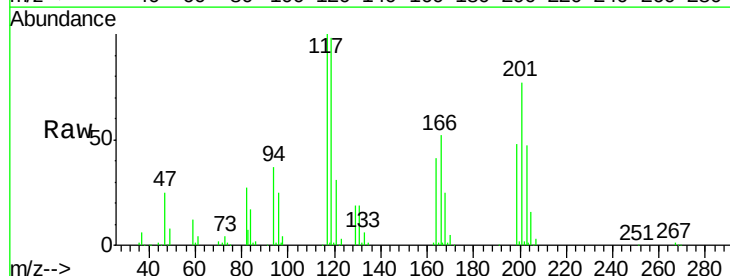
Manual Integrations
APPROVED

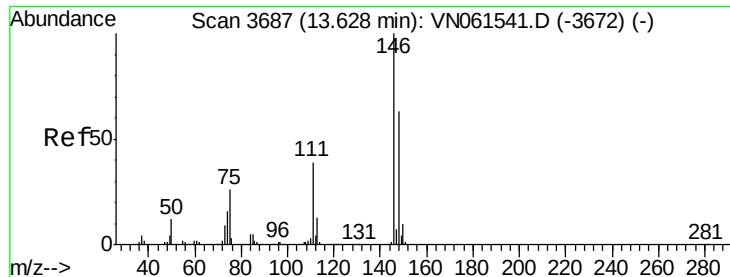
MMDadoda
6/2/2020 4:01:35 PM



#90
Hexachloroethane
Concen: 54.941 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	36.7	110.1





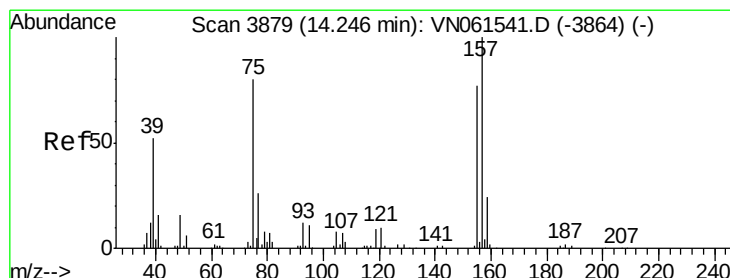
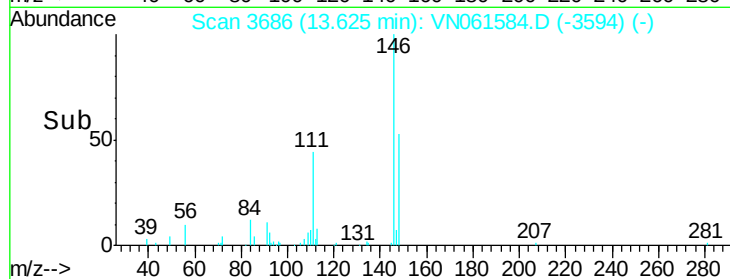
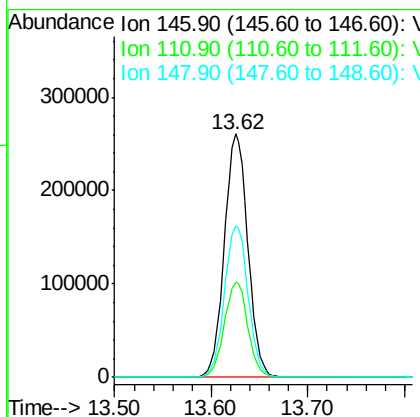
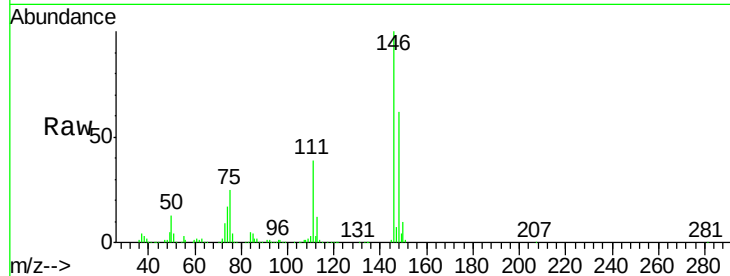
#91
 1,2-Dichlorobenzene
 Concen: 45.142 ug/l
 RT: 13.62 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	438321		
111	39.3	20.1	60.2	
148	62.9	31.9	95.5	

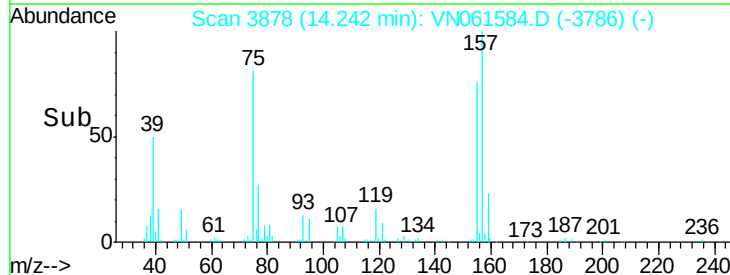
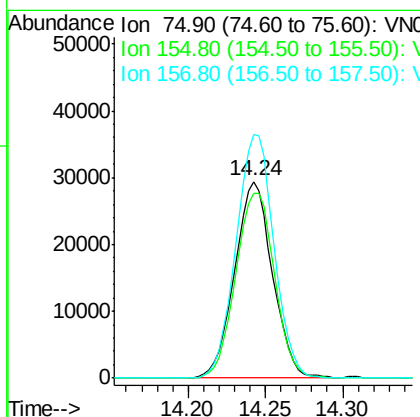
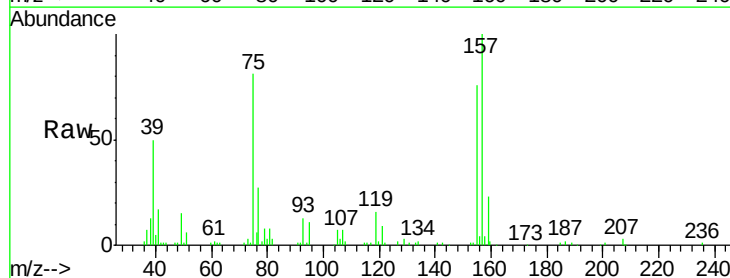
Manual Integrations
 APPROVED

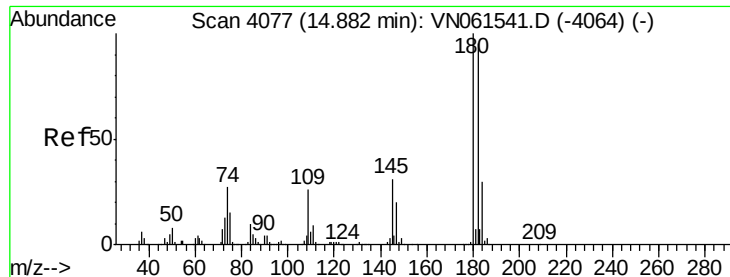
MMDadoda
 6/2/2020 4:01:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.834 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49888		
155	97.0	47.1	141.4	
157	124.4	60.3	180.8	





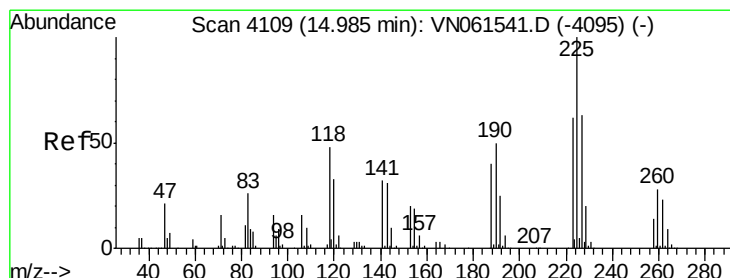
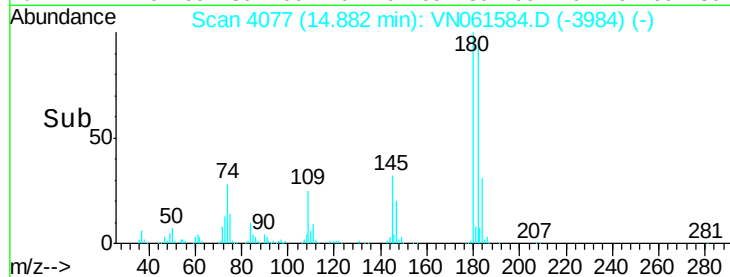
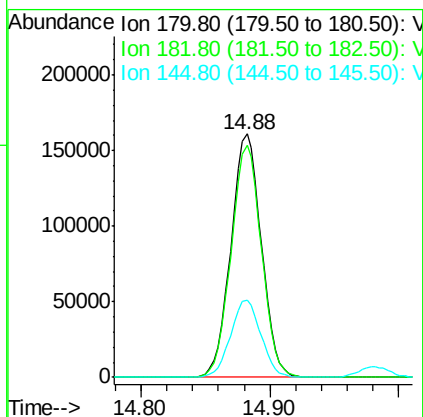
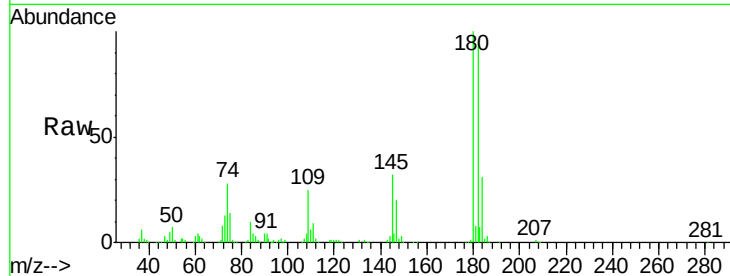
#93
 1,2,4-Trichlorobenzene
 Concen: 46.432 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	263672		
182	95.1	47.8	143.3	
145	31.5	15.5	46.5	

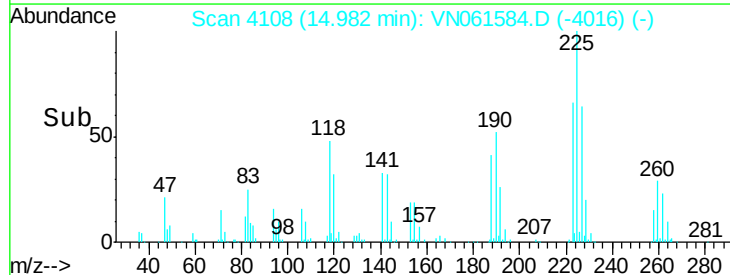
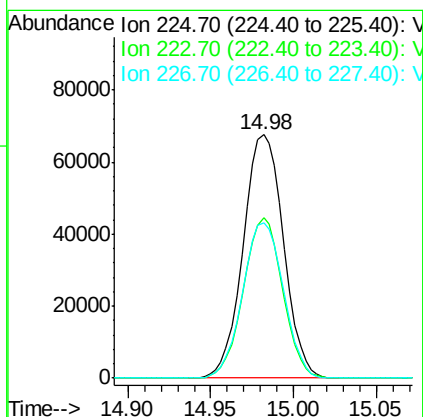
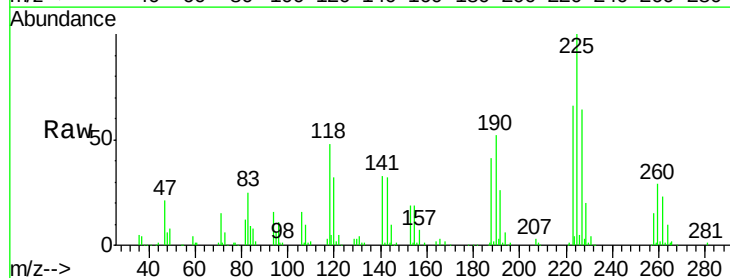
Manual Integrations
 APPROVED

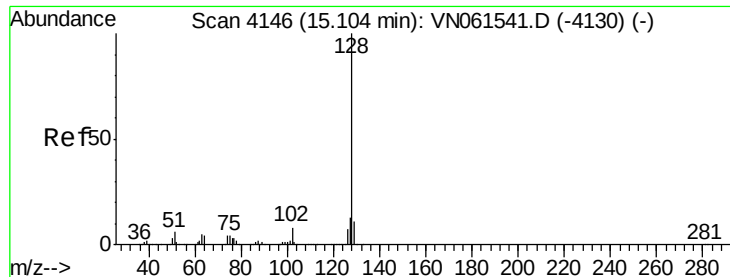
MMDadoda
 6/2/2020 4:01:35 PM



#94
 Hexachlorobutadiene
 Concen: 47.343 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061584.D
 Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114659		
223	64.1	31.9	95.5	
227	64.7	31.9	95.9	





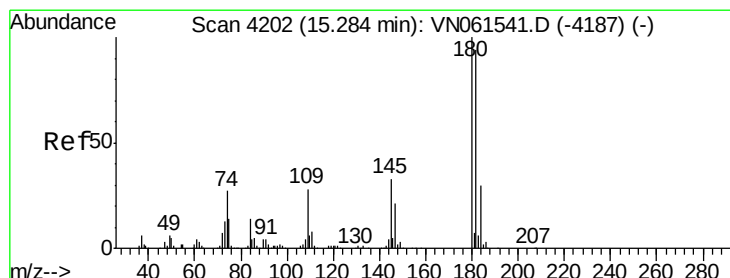
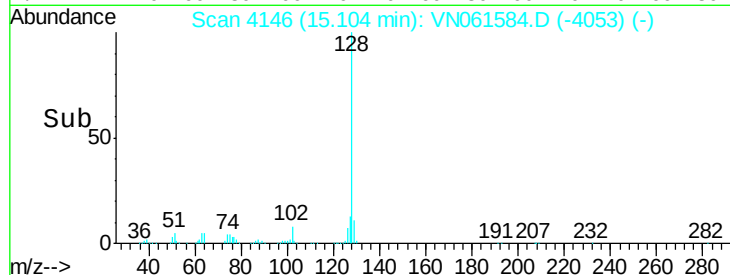
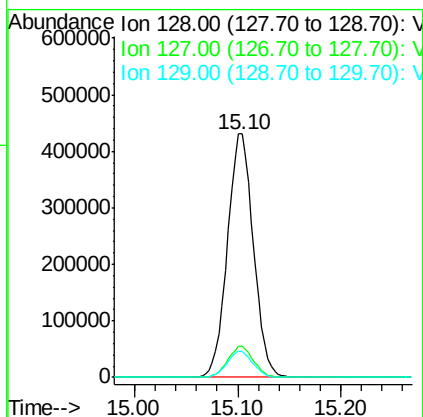
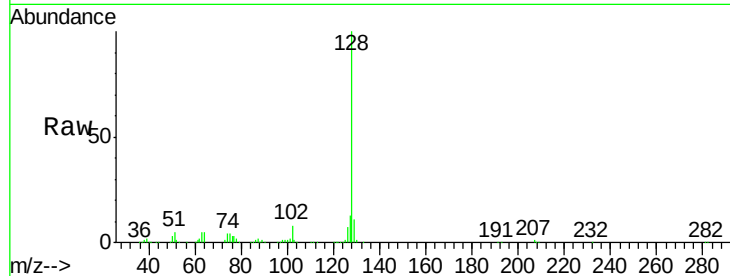
#95
Naphthalene
Concen: 43.794 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.5	10.0	15.0	
129	10.7	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
6/2/2020 4:01:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.847 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061584.D
Acq: 1 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.1	141.3	
145	32.7	16.3	48.9	

