

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061947.D
 Acq On : 19 Jun 2020 13:13
 Operator : JC/MD
 Sample : VN0619WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 1:25:18 PM

Quant Time: Jun 20 07:57:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	155952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	264067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	249836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	114453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	109015	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	7.55	113	90447	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
50) Toluene-d8	10.06	98	351291	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.37	95	116722	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	41607	20.676	ug/l	97
3) Chloromethane	2.03	50	42257	19.521	ug/l	99
4) Vinyl Chloride	2.16	62	51624	20.005	ug/l	98
5) Bromomethane	2.53	94	36814	18.577	ug/l	97
6) Chloroethane	2.67	64	34746	19.895	ug/l	98
7) Trichlorofluoromethane	2.98	101	57028	18.501	ug/l	94
8) Diethyl Ether	3.37	74	22293	21.512	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	32574	20.598	ug/l	98
10) Methyl Iodide	3.91	142	37272	22.770	ug/l	100
11) Tert butyl alcohol	4.73	59	29514	101.974	ug/l	98
12) 1,1-Dichloroethene	3.70	96	31803	20.071	ug/l	98
13) Acrolein	3.57	56	15982	92.390	ug/l	100
14) Allyl chloride	4.27	41	42566	20.240	ug/l	98
15) Acrylonitrile	4.93	53	77954	108.699	ug/l	99
16) Acetone	3.77	43	62616	101.352	ug/l	99
17) Carbon Disulfide	4.01	76	87071	18.780	ug/l	99
18) Methyl Acetate	4.27	43	37919	21.319	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	108009	20.472	ug/l	98
20) Methylene Chloride	4.50	84	38727	19.240	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	35036	19.250	ug/l	97
22) Diisopropyl ether	5.90	45	96595	20.083	ug/l	99
23) Vinyl Acetate	5.84	43	385113	101.804	ug/l	99
24) 1,1-Dichloroethane	5.80	63	63958	20.314	ug/l	99
25) 2-Butanone	6.79	43	93737	103.993	ug/l	100
26) 2,2-Dichloropropane	6.77	77	53226	20.093	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	41203	19.620	ug/l	98
28) Bromochloromethane	7.15	49	29847	21.291	ug/l	97
29) Tetrahydrofuran	7.16	42	61299	103.335	ug/l	99
30) Chloroform	7.33	83	65987	19.610	ug/l	97
31) Cyclohexane	7.61	56	52091	18.899	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	55106	19.229	ug/l	99
36) 1,1-Dichloropropene	7.75	75	46435	19.279	ug/l	98
37) Ethyl Acetate	6.88	43	39972	21.252	ug/l	100
38) Carbon Tetrachloride	7.73	117	47111	19.752	ug/l	94

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	52719	20.327	ug/l	99
40) Benzene	8.00	78	145355	19.922	ug/l	99
41) Methacrylonitrile	7.13	41	15915m	19.788	ug/l	
42) 1,2-Dichloroethane	8.08	62	51268	20.608	ug/l	99
43) Isopropyl Acetate	8.12	43	65798	20.758	ug/l #	92
44) Trichloroethene	8.80	130	38571	20.087	ug/l	93
45) 1,2-Dichloropropane	9.08	63	36979	20.624	ug/l	97
46) Dibromomethane	9.17	93	25695	20.350	ug/l	100
47) Bromodichloromethane	9.37	83	51365	19.867	ug/l	99
48) Methyl methacrylate	9.17	41	28804	19.982	ug/l	100
49) 1,4-Dioxane	9.16	88	13658	412.698	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	197985	105.700	ug/l	99
52) Toluene	10.12	92	94319	20.584	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	55708	20.297	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	59943	20.108	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	37550	20.828	ug/l	98
56) Ethyl methacrylate	10.40	69	48780	19.588	ug/l	97
57) 1,3-Dichloropropane	10.68	76	63509	20.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	78730	82.744	ug/l	99
59) 2-Hexanone	10.72	43	139996	101.943	ug/l	99
60) Dibromochloromethane	10.87	129	40711	20.237	ug/l	99
61) 1,2-Dibromoethane	10.98	107	37786	20.072	ug/l	98
64) Tetrachloroethene	10.60	164	31836	19.993	ug/l	99
65) Chlorobenzene	11.41	112	101050	19.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	36667	19.943	ug/l	98
67) Ethyl Benzene	11.48	91	170630	19.305	ug/l	97
68) m/p-Xylenes	11.60	106	134319	39.410	ug/l	99
69) o-Xylene	11.92	106	64678	19.889	ug/l	99
70) Styrene	11.94	104	106138	19.492	ug/l	99
71) Bromoform	12.10	173	26221	19.559	ug/l #	99
73) Isopropylbenzene	12.22	105	167113	20.547	ug/l	99
74) N-amyl acetate	12.04	43	53114	19.992	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	54814	20.729	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	44887m	19.976	ug/l	
77) Bromobenzene	12.50	156	41546	20.248	ug/l	98
78) n-propylbenzene	12.56	91	189573	20.427	ug/l	99
79) 2-Chlorotoluene	12.65	91	112928	20.261	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	139375	20.713	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	16959	20.585	ug/l	99
82) 4-Chlorotoluene	12.75	91	116120	20.162	ug/l	99
83) tert-Butylbenzene	12.97	119	117395	20.580	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	136030	20.480	ug/l	99
85) sec-Butylbenzene	13.15	105	153238	20.523	ug/l	100
86) p-Isopropyltoluene	13.26	119	136301	20.486	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	73871	19.739	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	74441	19.433	ug/l	99
89) n-Butylbenzene	13.59	91	110148	19.824	ug/l	99
90) Hexachloroethane	13.85	117	24661	20.249	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	72744	20.191	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9047	21.075	ug/l	94

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ClientSampleId :
VN0619WBSD01

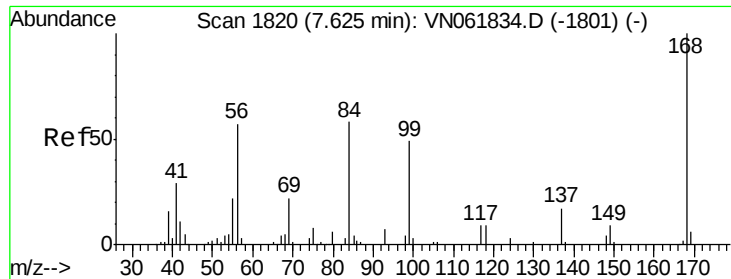
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	33046	19.438	ug/l	99
94) Hexachlorobutadiene	14.98	225	13994	20.900	ug/l	99
95) Naphthalene	15.10	128	93887	18.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	33301	19.779	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0619WBSD01

Tot Ion:168 Resp: 155952

Ion Ratio Lower Upper

168 100

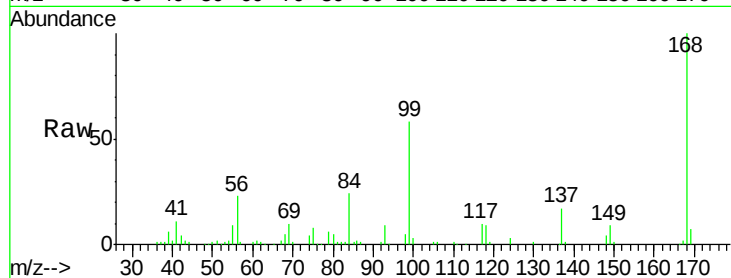
99 57.8 44.6 67.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

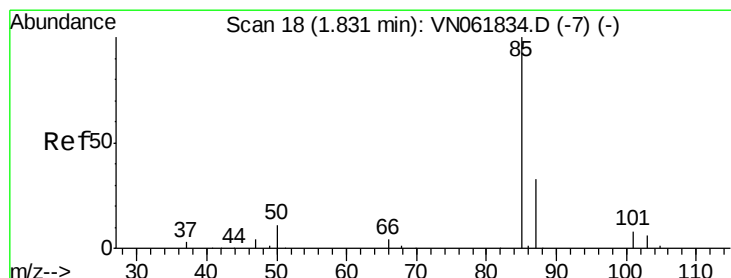
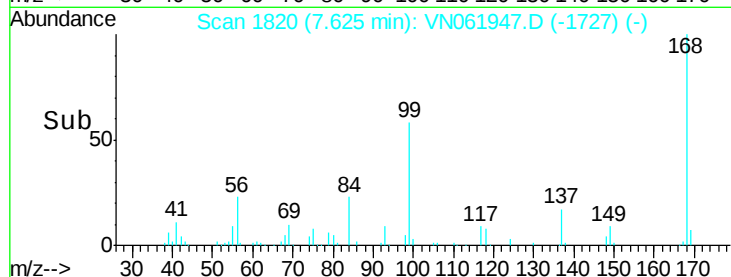
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.676 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061947.D

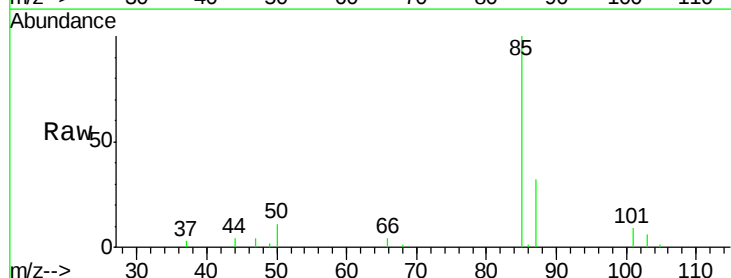
Acq: 19 Jun 2020 13:13

Tgt Ion: 85 Resp: 41607

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

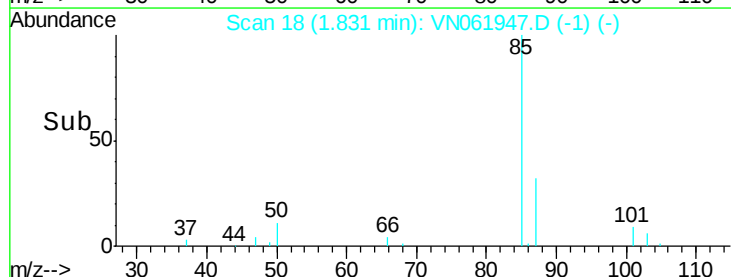
20000

10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.521 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 50 Resp: 42257

Ion Ratio Lower Upper

50 100

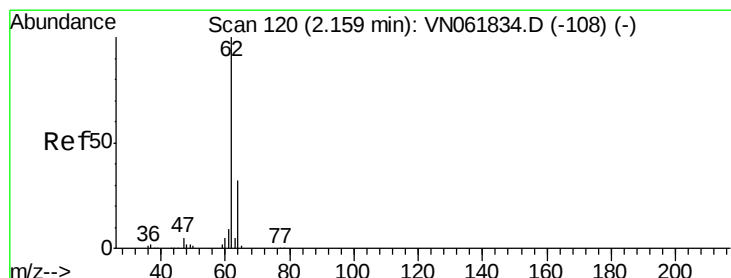
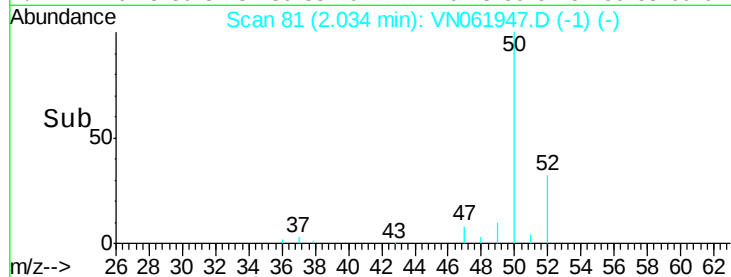
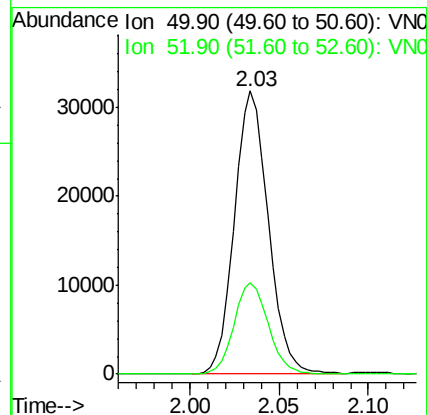
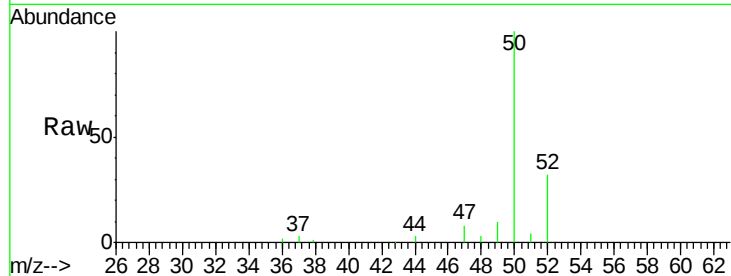
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.005 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061947.D

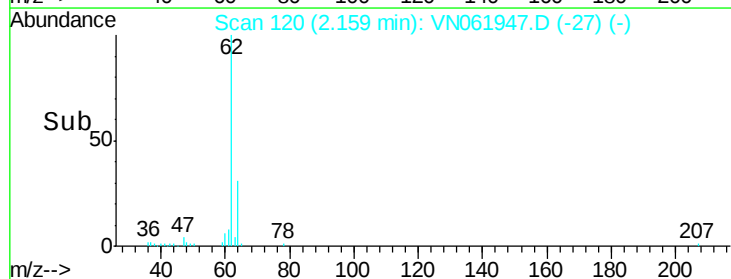
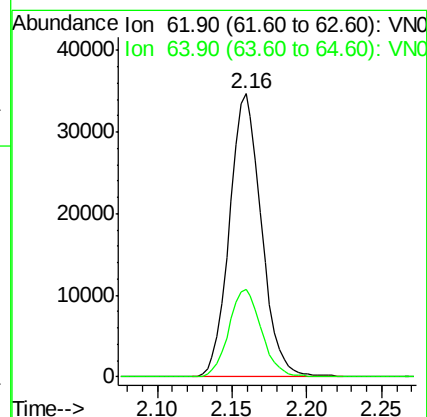
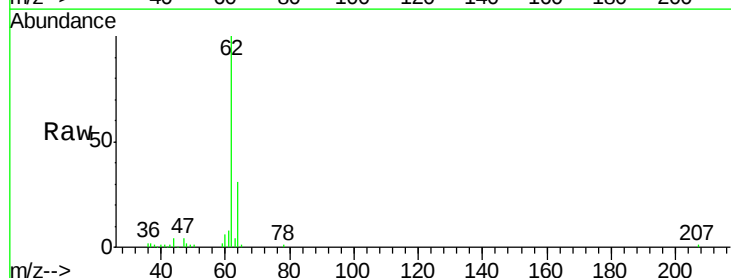
Acq: 19 Jun 2020 13:13

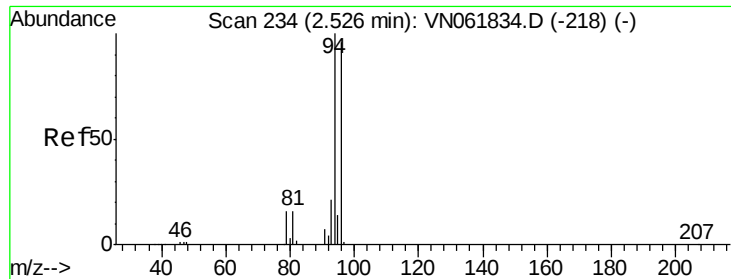
Tgt Ion: 62 Resp: 51624

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 18.577 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 94 Resp: 36814

Ion Ratio Lower Upper

94 100

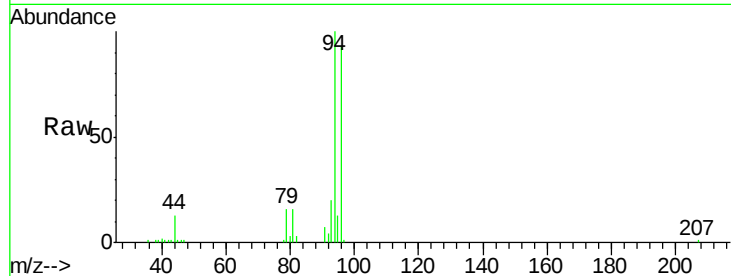
96 93.0 76.7 115.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN061834.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN061834.D (-218) (-)

2.53

20000

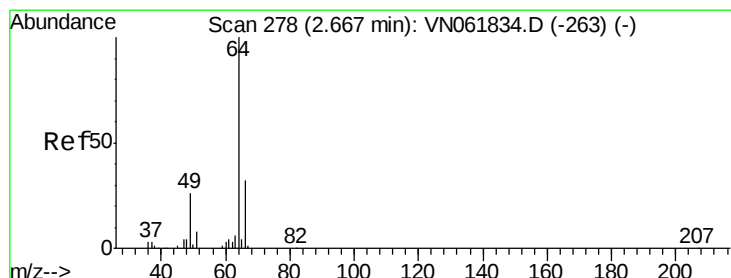
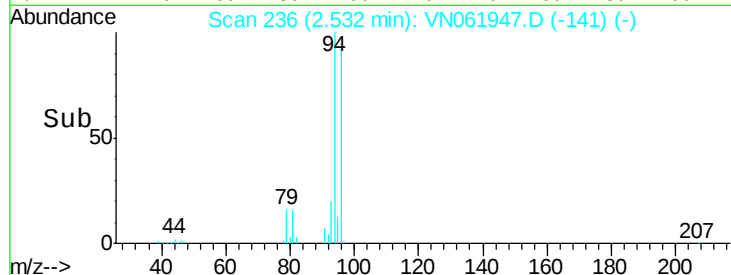
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.895 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061947.D

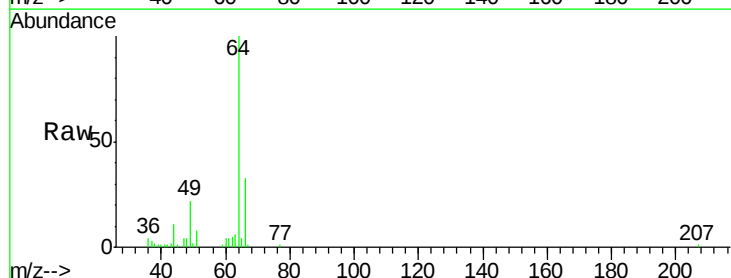
Acq: 19 Jun 2020 13:13

Tgt Ion: 64 Resp: 34746

Ion Ratio Lower Upper

64 100

66 33.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN061834.D (-263) (-)

Ion 65.90 (65.60 to 66.60): VN061834.D (-263) (-)

2.67

20000

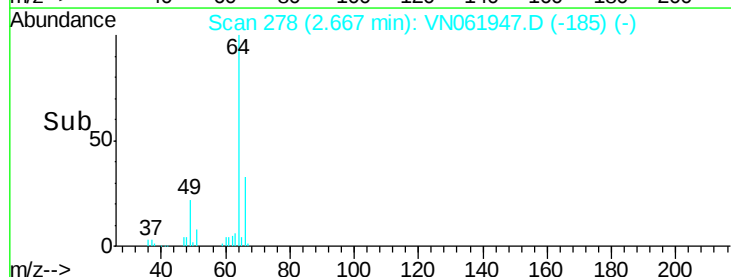
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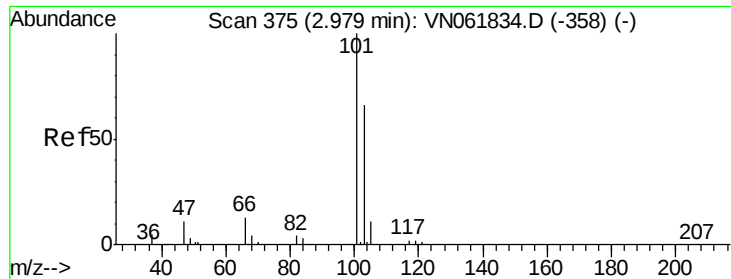
10000

5000

0

Time-->





#7

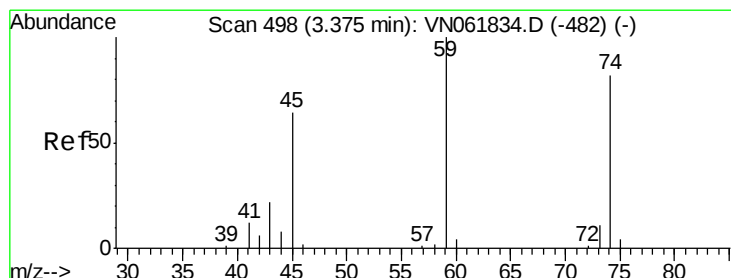
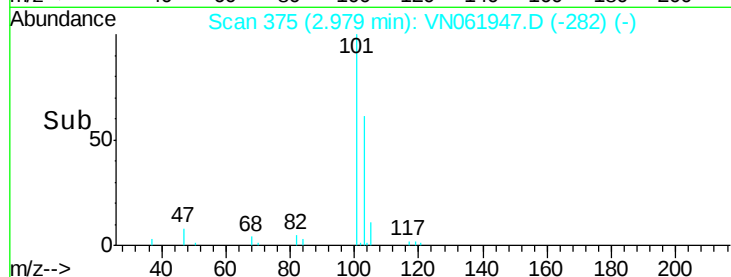
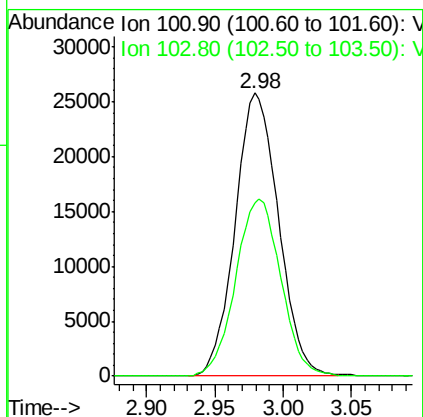
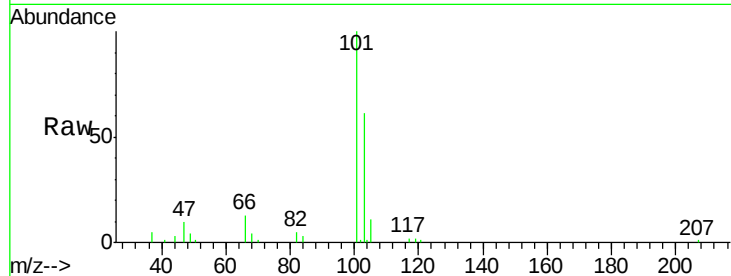
Trichlorofluoromethane
Concen: 18.501 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

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VN0619WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	61.4	52.8	79.2	

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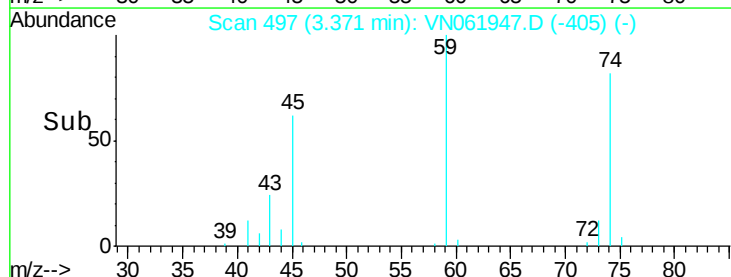
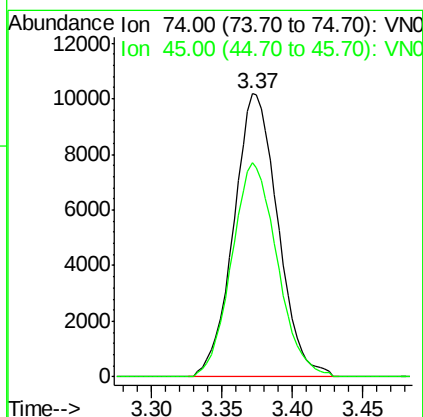
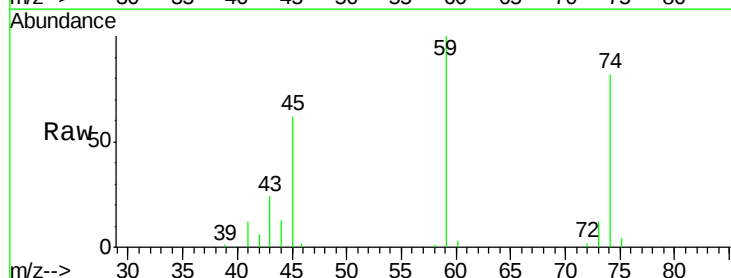
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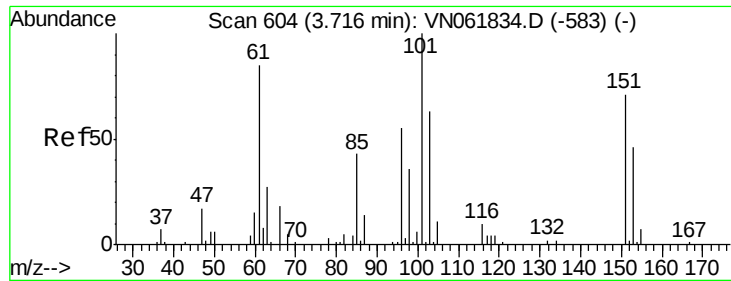


#8

Diethyl Ether
Concen: 21.512 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	77.8	39.1	117.3	





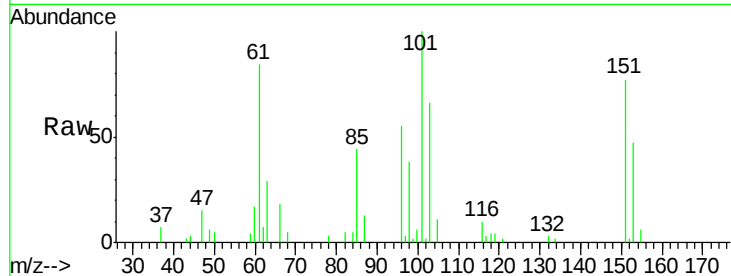
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.598 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
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 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.0	52.6
151	76.2	59.2	88.8

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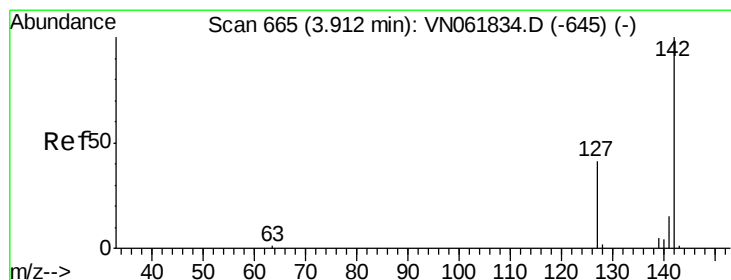
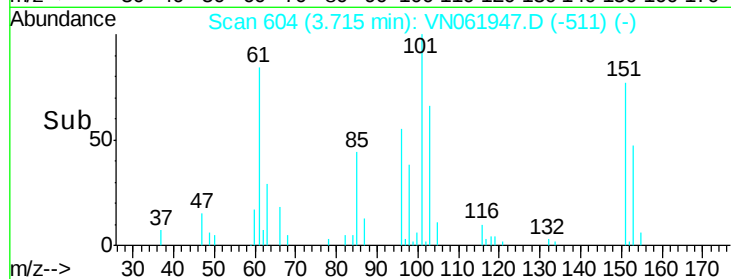
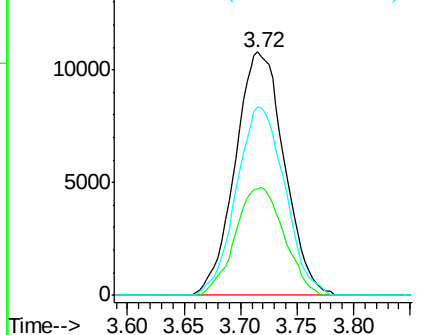


Abundance

Ion 100.90 (100.60 to 101.60): V

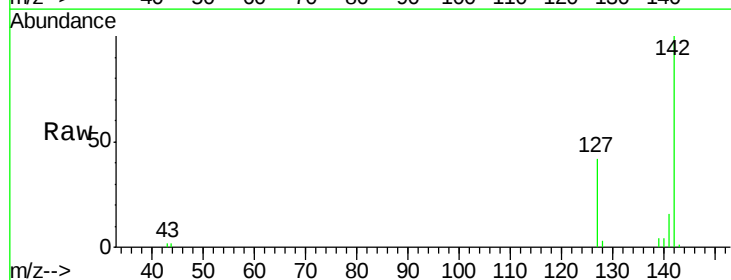
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 22.770 ug/l
 RT: 3.91 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.9	33.4	50.0
141	14.4	11.3	16.9

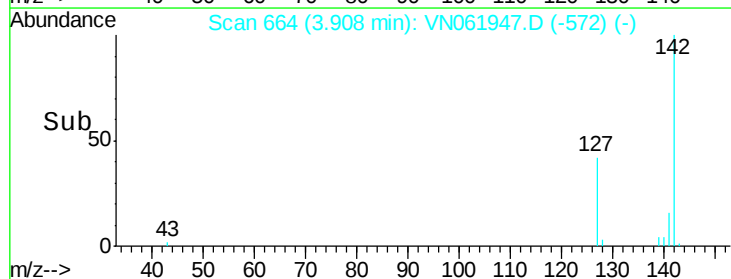
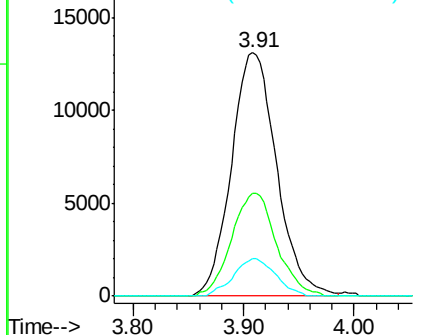


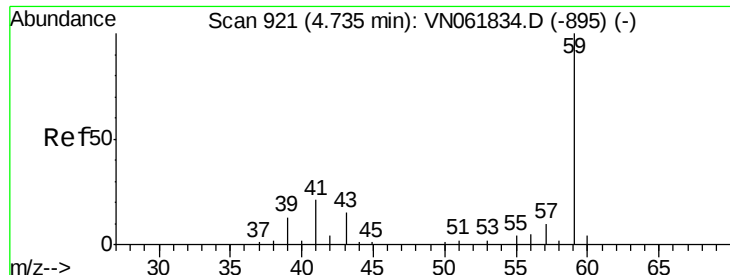
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





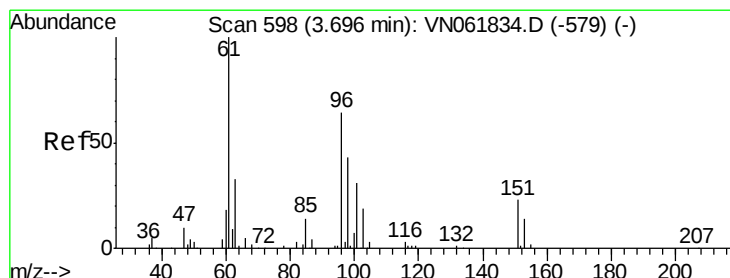
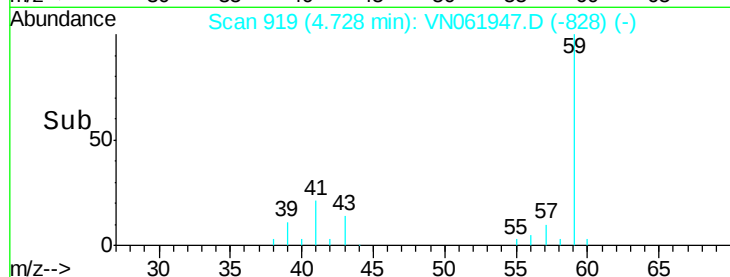
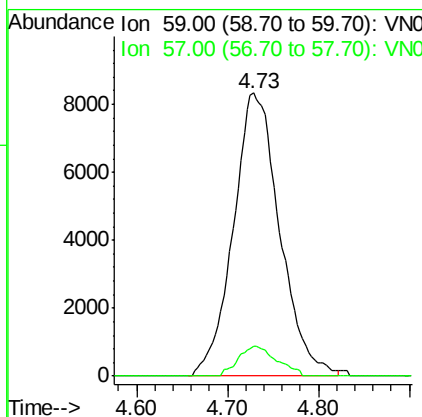
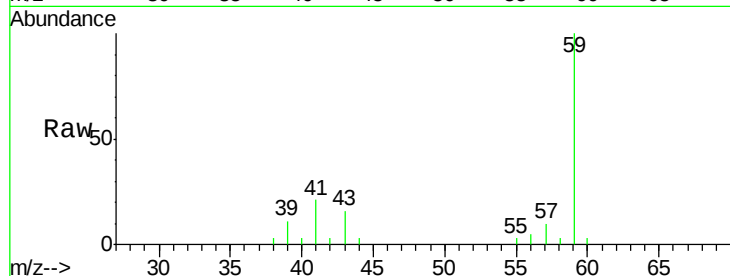
#11
Tert butyl alcohol
Concen: 101.974 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.7	11.5

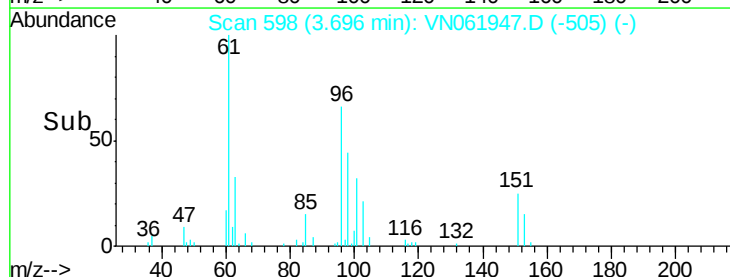
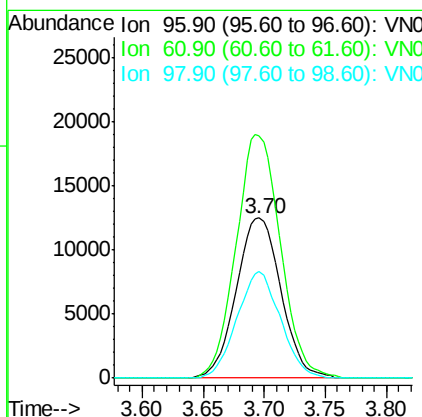
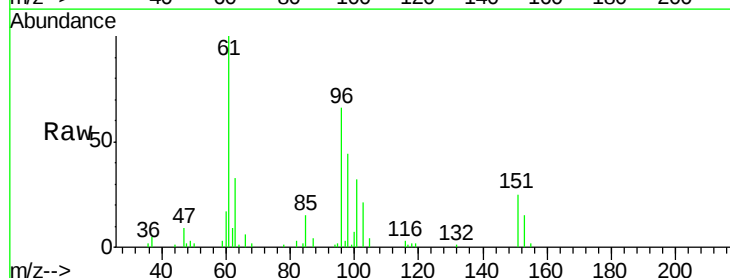
Manual Integrations
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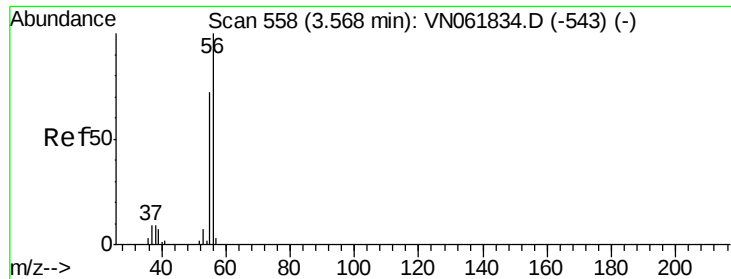
MMDadoda
6/22/2020 1:25:18 PM



#12
1,1-Dichloroethene
Concen: 20.071 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	124.3	186.5
98	66.9	53.1	79.7





#13

Acrolein

Concen: 92.390 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 56 Resp: 15982

Ion Ratio Lower Upper

56 100

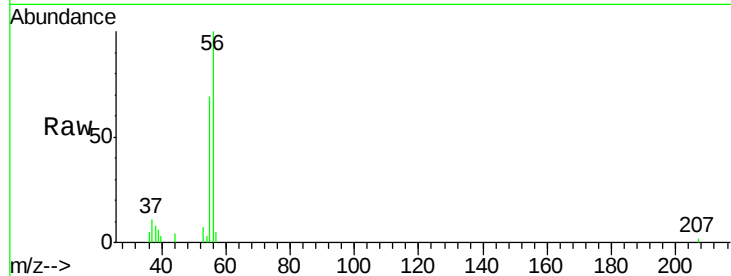
55 70.5 56.2 84.4

Manual Integrations

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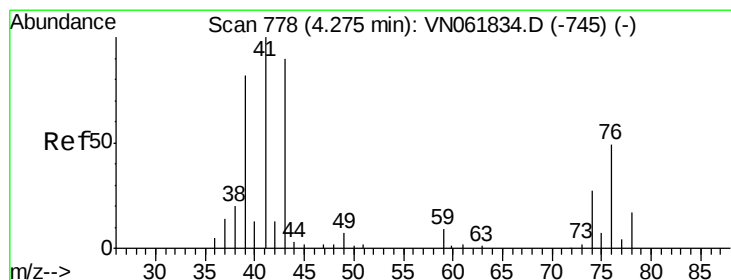
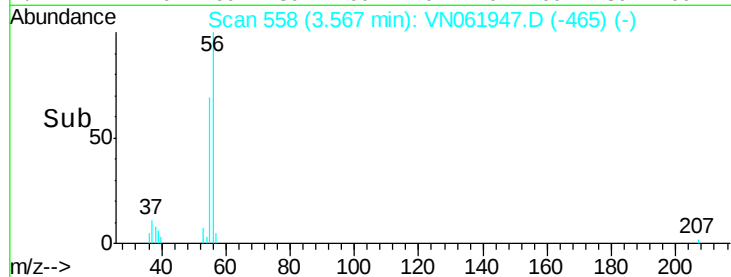
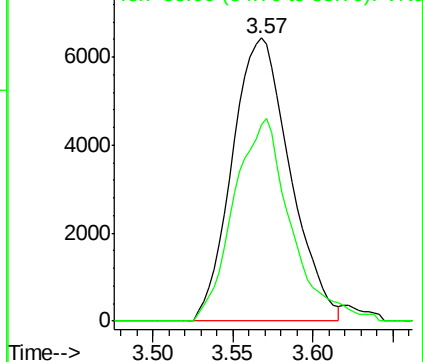
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.240 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

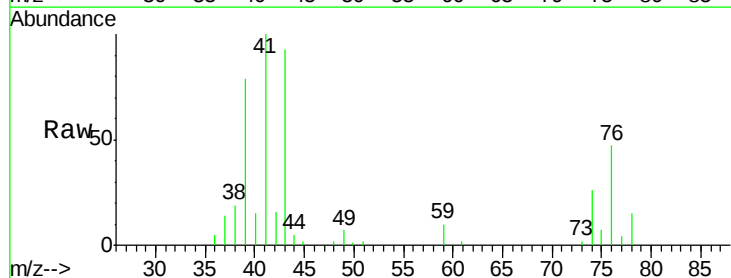
Tgt Ion: 41 Resp: 42566

Ion Ratio Lower Upper

41 100

39 73.8 60.2 90.2

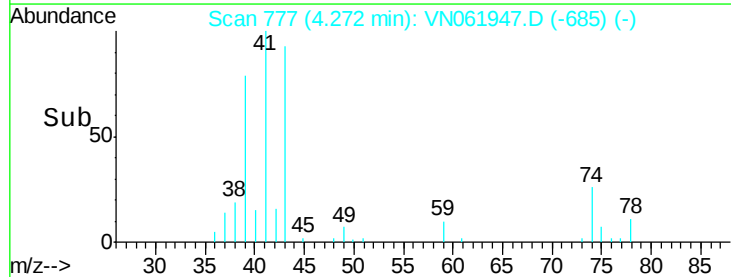
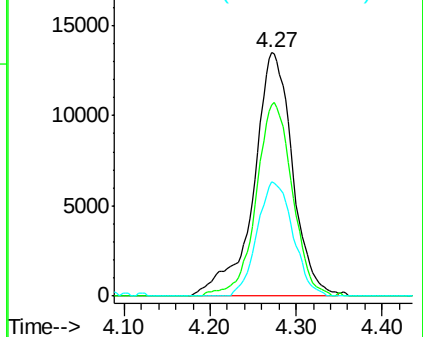
76 43.1 36.3 54.5

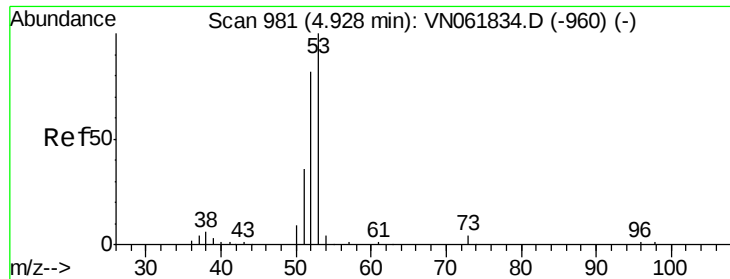


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 108.699 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

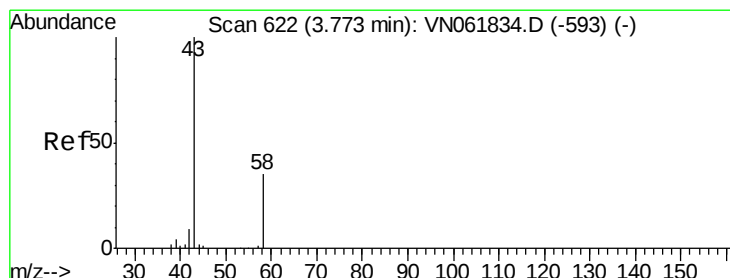
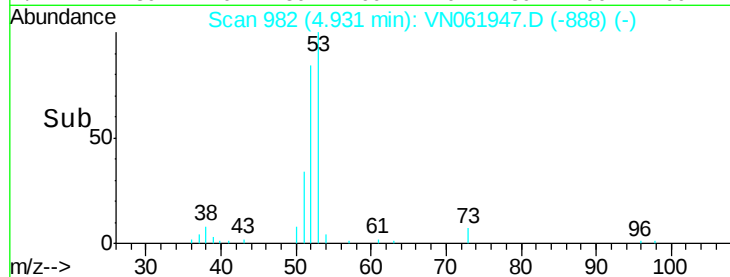
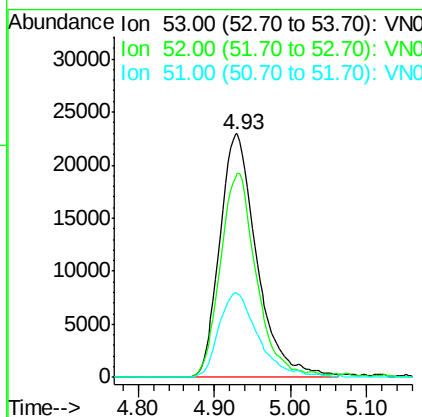
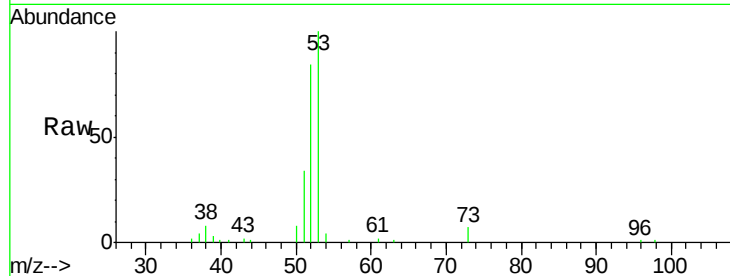
ClientSampleId :

VN0619WBSD01

Tot Ion:	53	Resp:	77954
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.2	97.8
51	35.5	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 101.352 ug/l

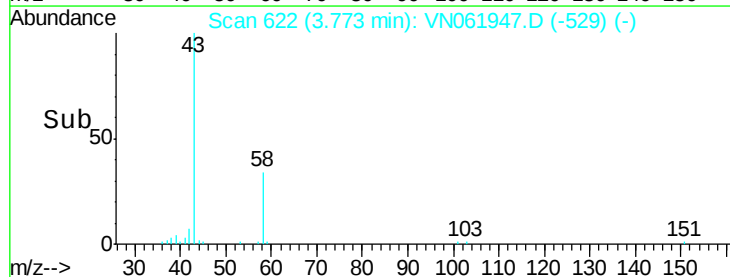
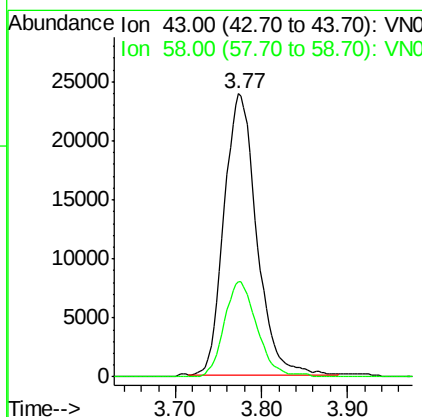
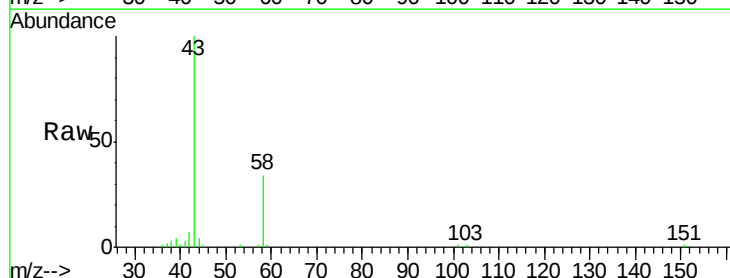
RT: 3.77 min Scan# 622

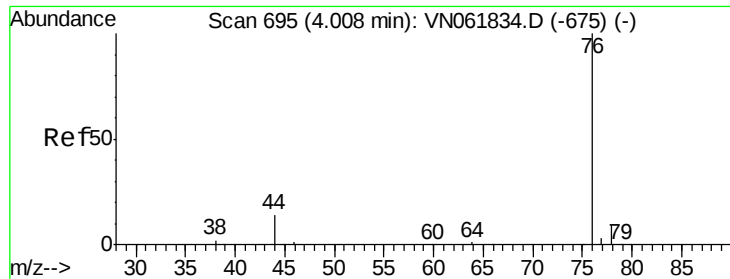
Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Tgt Ion:	43	Resp:	62616
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.8	41.8





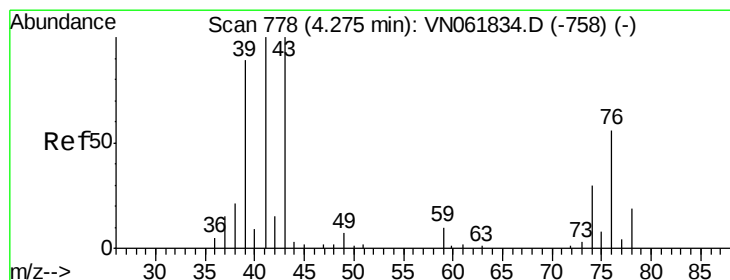
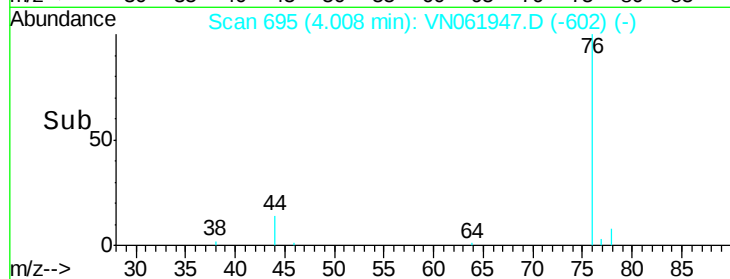
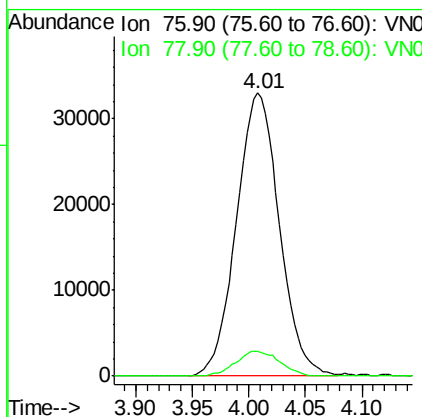
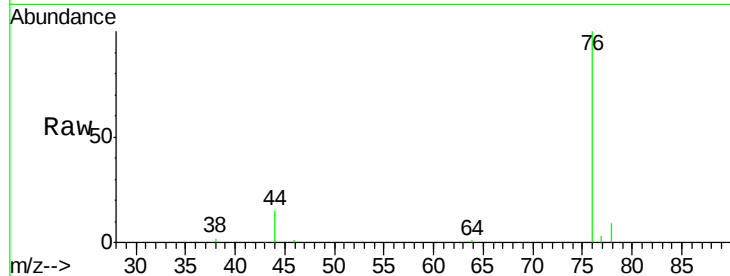
#17
Carbon Disulfide
Concen: 18.780 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

Tot Ion: 76 Resp: 87071
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9

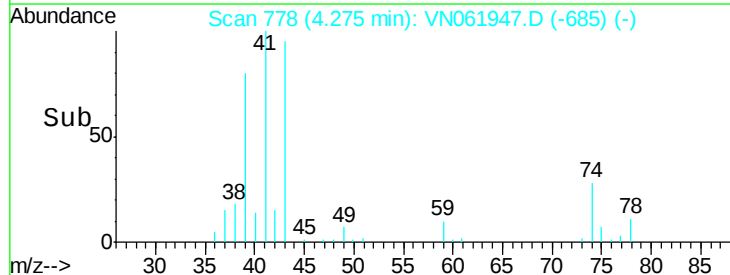
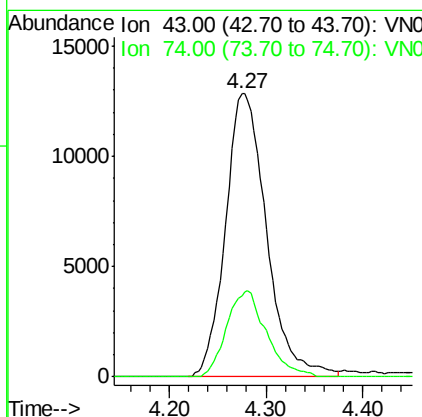
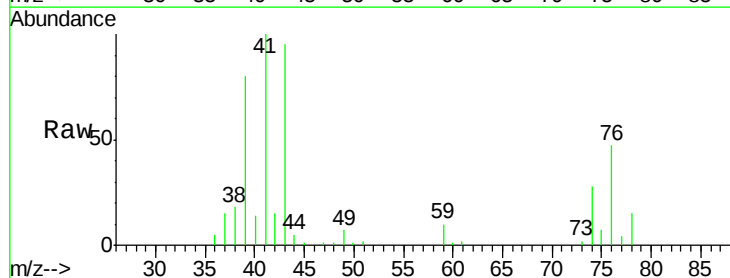
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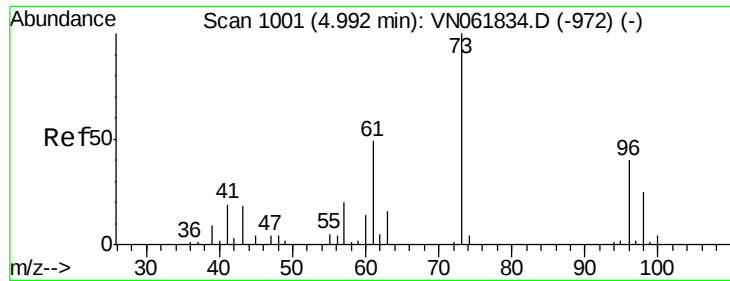
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#18
Methyl Acetate
Concen: 21.319 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion: 43 Resp: 37919
Ion Ratio Lower Upper
43 100
74 29.5 23.0 34.4





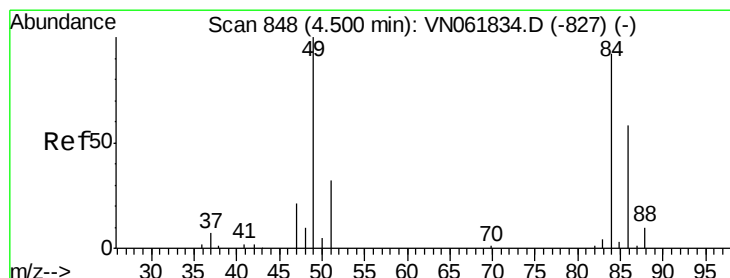
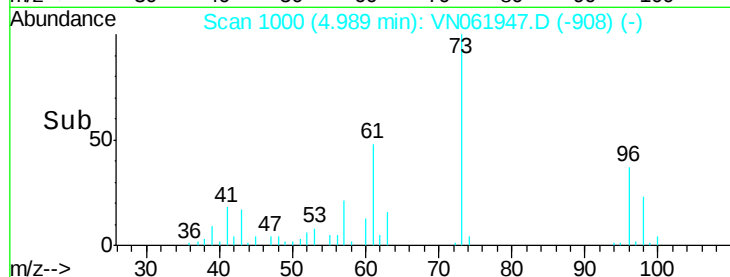
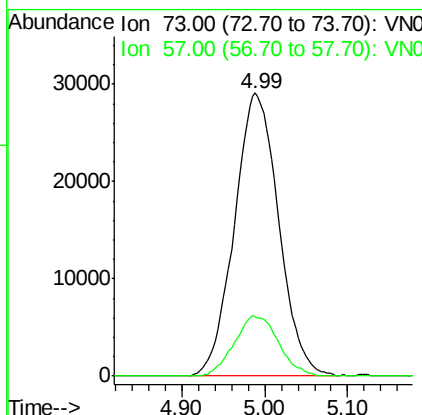
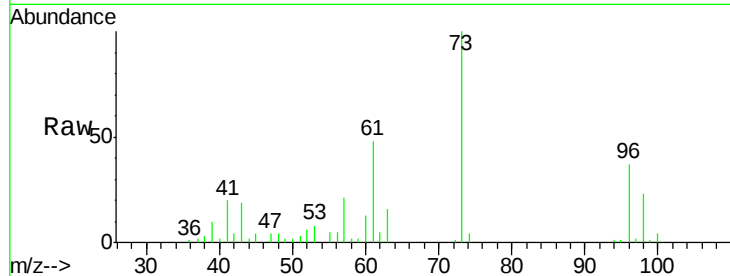
#19
Methvl tert-butvl Ether
Concen: 20.472 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 73 Resp: 108009
Ion Ratio Lower Upper
73 100
57 21.1 16.2 24.4

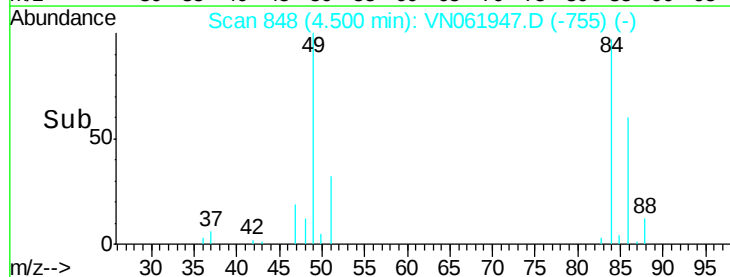
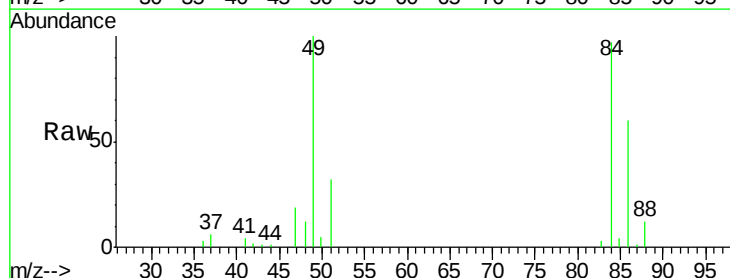
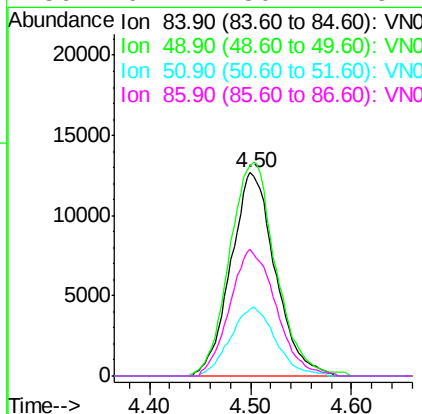
Manual Integrations
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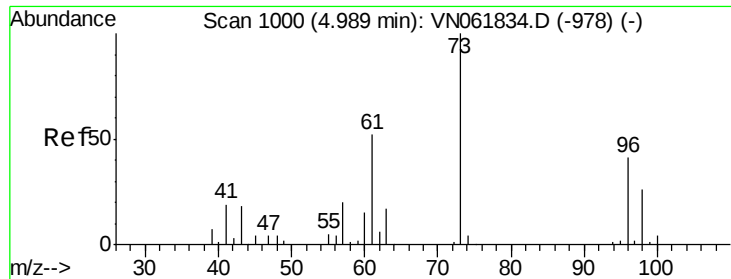
MMDadoda
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#20
Methylene Chloride
Concen: 19.240 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion: 84 Resp: 38727
Ion Ratio Lower Upper
84 100
49 103.6 87.0 130.4
51 33.0 27.8 41.6
86 62.2 50.2 75.2





#21

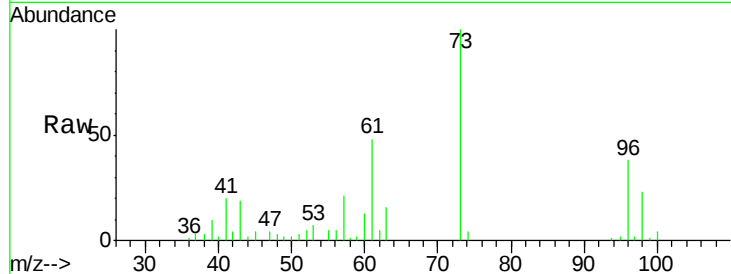
trans-1,2-Dichloroethene
Concen: 19.250 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

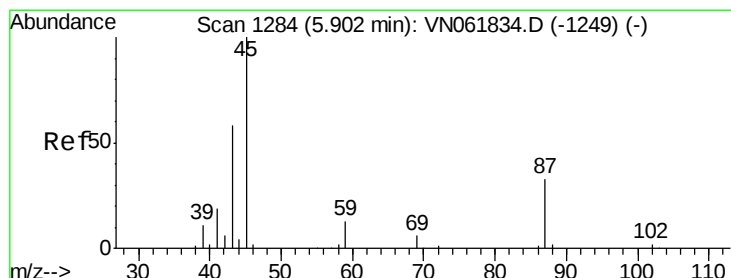
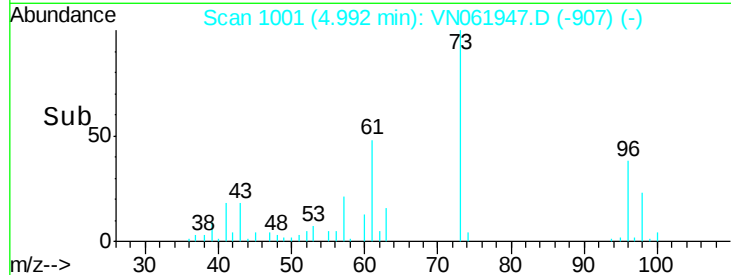
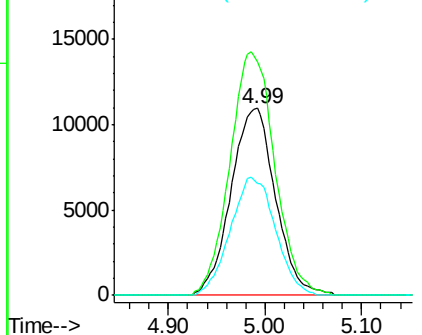
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.2	102.2	153.4
98	60.1	51.2	76.8

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-978) (-)

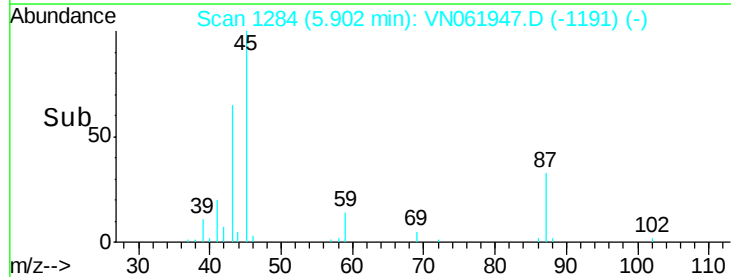
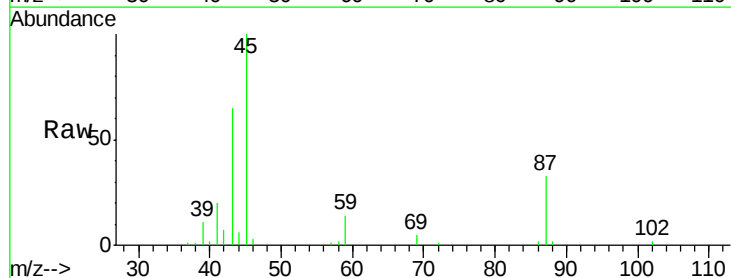
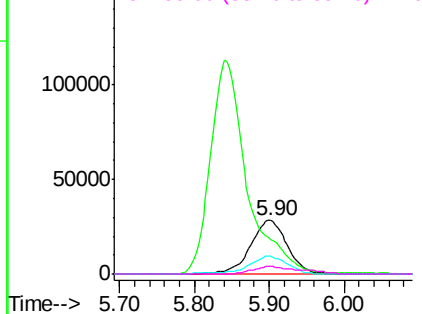


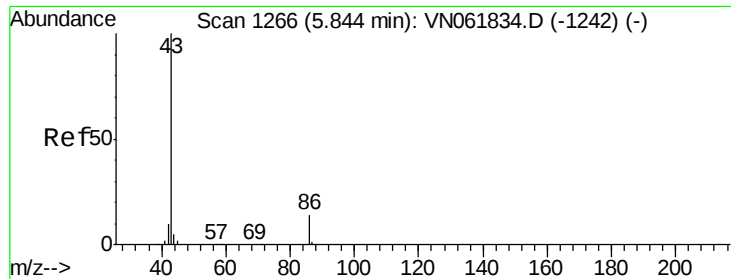
#22

Diisopropyl ether
Concen: 20.083 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.3	49.4	74.2
87	32.7	27.4	41.0
59	13.9	10.6	15.8

Abundance Ion 45.00 (44.70 to 45.70): VN061834.D (-1249) (-)





#23

Vinyl Acetate

Concen: 101.804 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 43 Resp: 385113

Ion Ratio Lower Upper

43 100

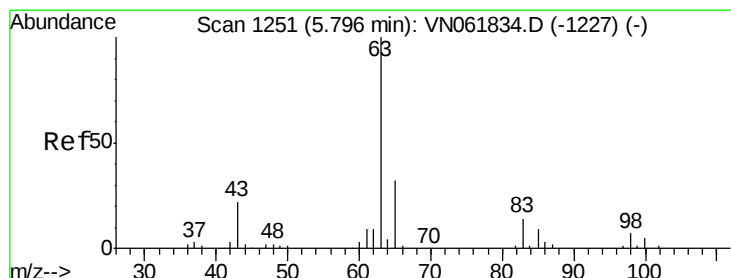
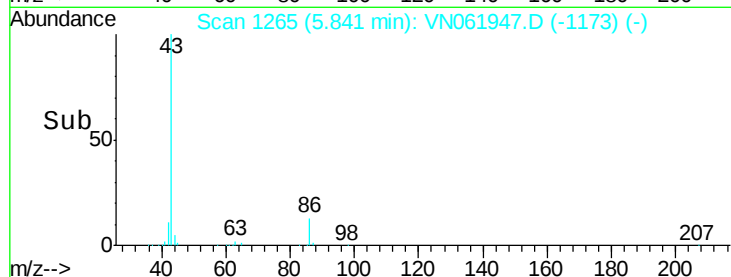
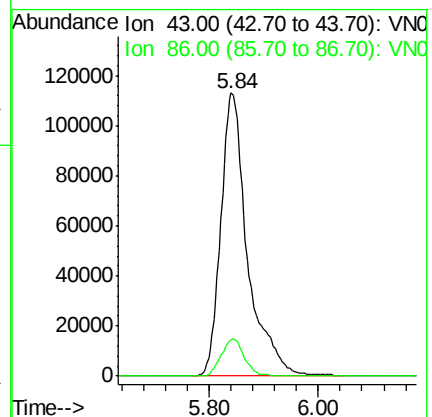
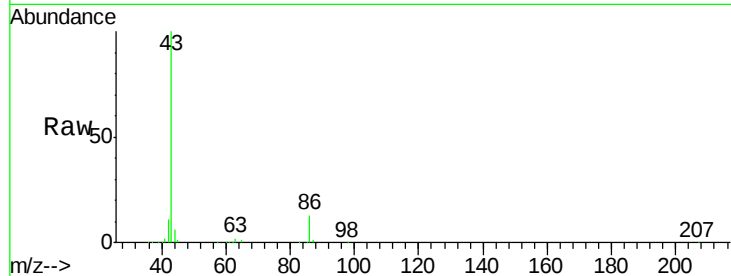
86 13.0 10.9 16.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.314 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

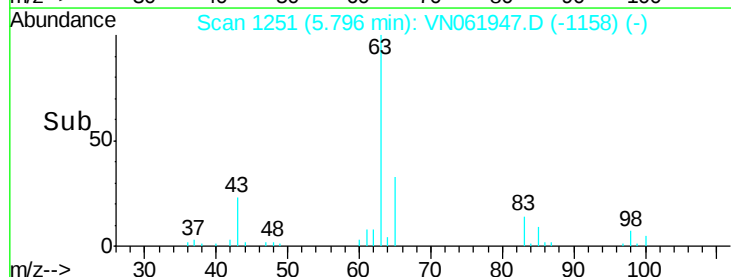
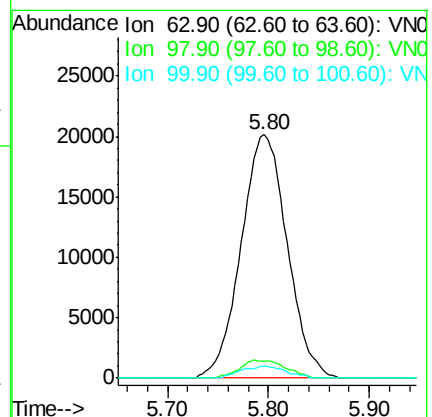
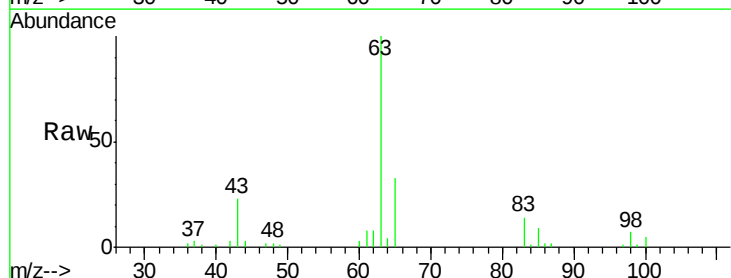
Tgt Ion: 63 Resp: 63958

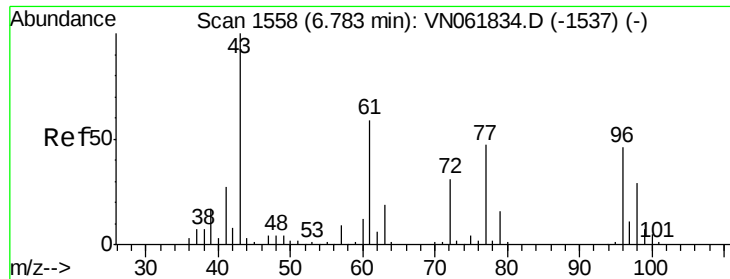
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 5.0 2.5 7.4





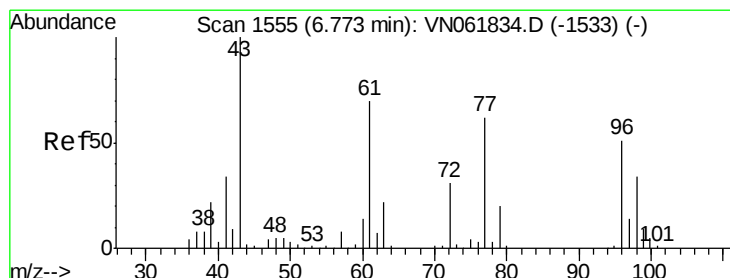
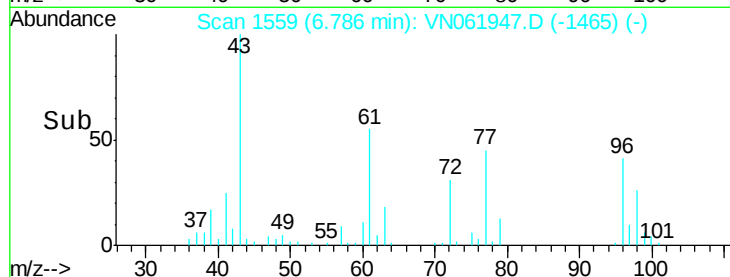
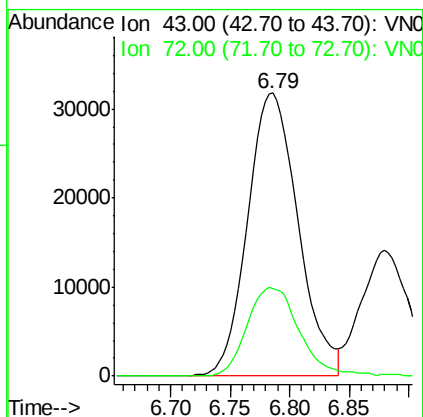
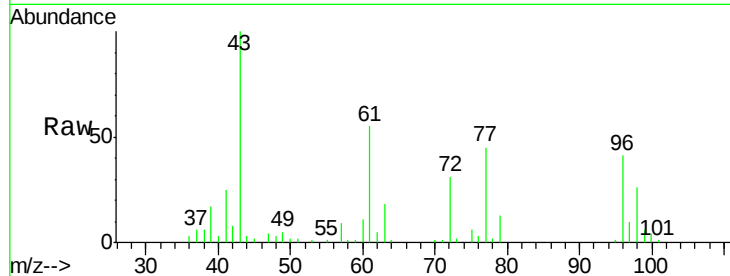
#25
2-Butanone
Concen: 103.993 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

Tot Ion: 43 Resp: 93737
Ion Ratio Lower Upper
43 100
72 30.9 24.6 37.0

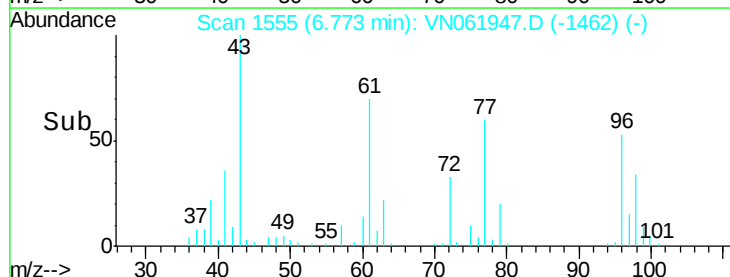
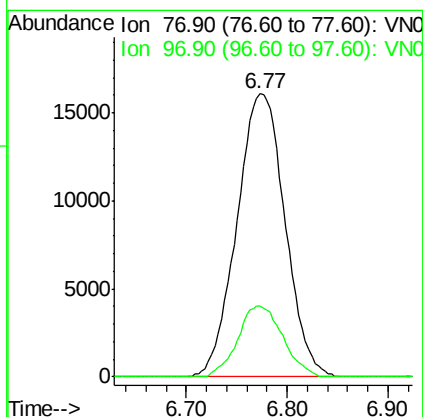
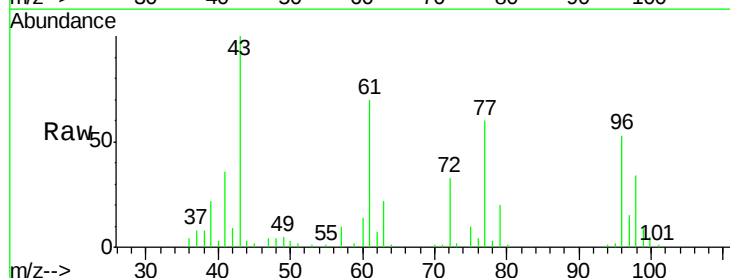
Manual Integrations
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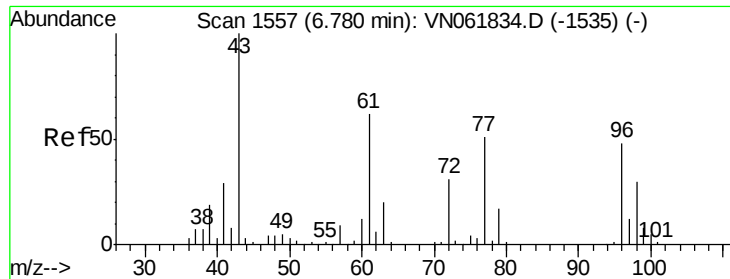
MMDadoda
6/22/2020 1:25:18 PM



#26
2,2-Dichloropropane
Concen: 20.093 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion: 77 Resp: 53226
Ion Ratio Lower Upper
77 100
97 23.4 11.7 35.0





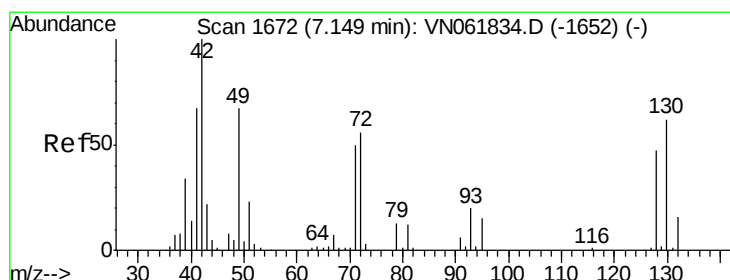
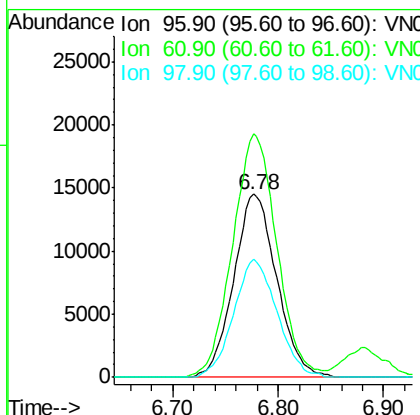
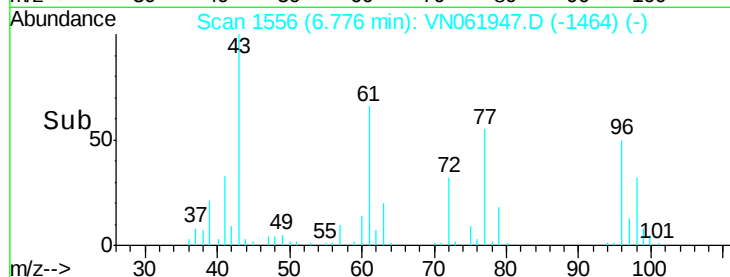
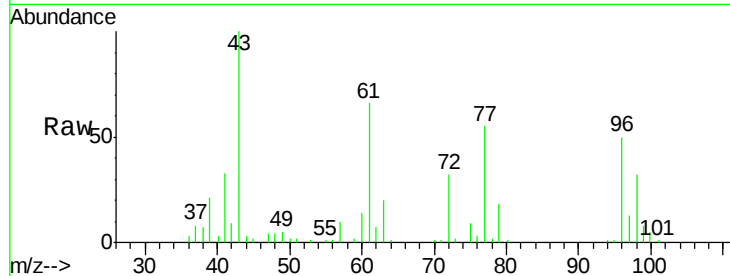
#27
 cis-1,2-Dichloroethene
 Concen: 19.620 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	265.6
98	64.9	0.0	128.2

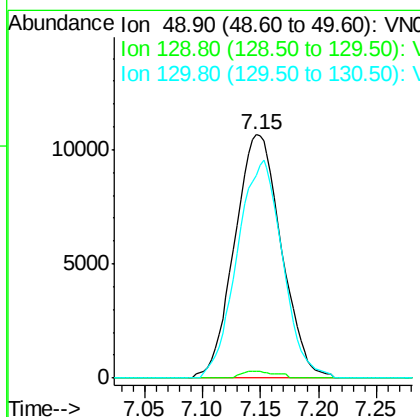
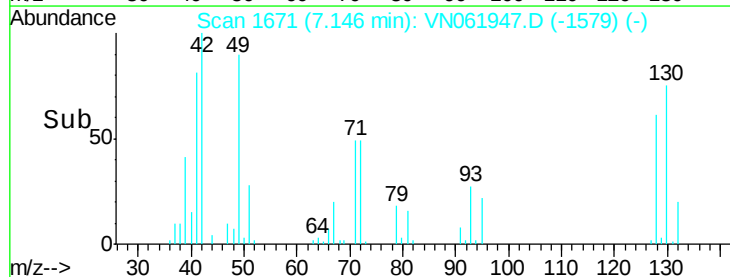
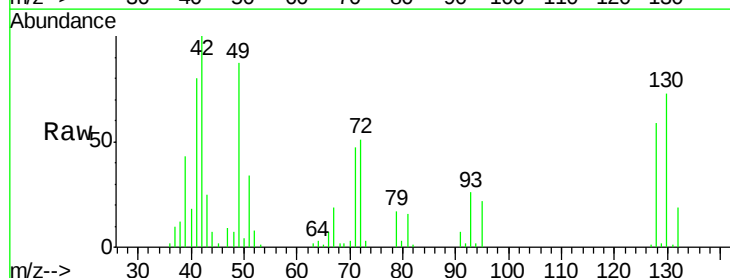
Manual Integrations
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#28
 Bromochloromethane
 Concen: 21.291 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	87.2	72.2	108.2





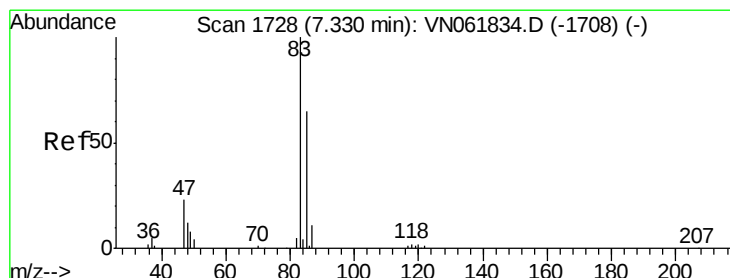
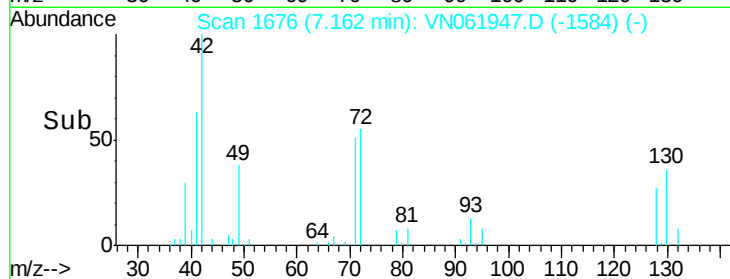
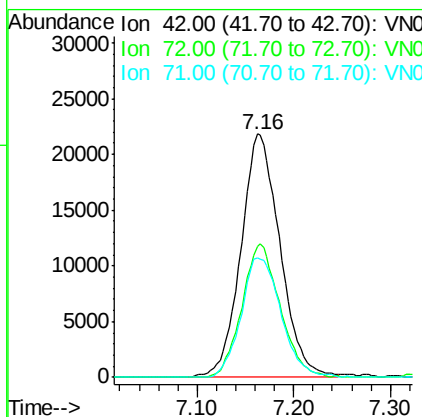
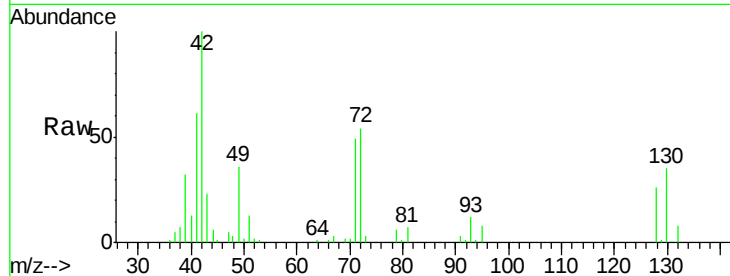
#29
Tetrahydrofuran
Concen: 103.335 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.5	44.0	66.0
71	49.9	40.0	60.0

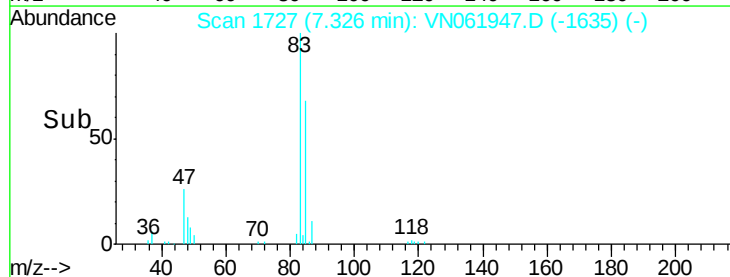
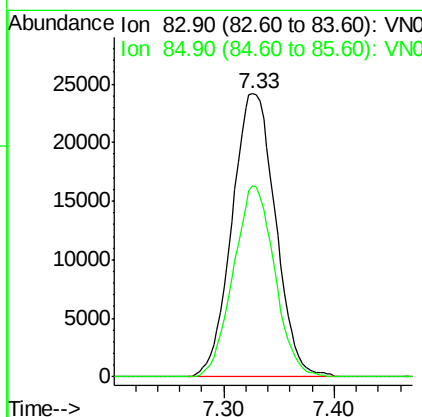
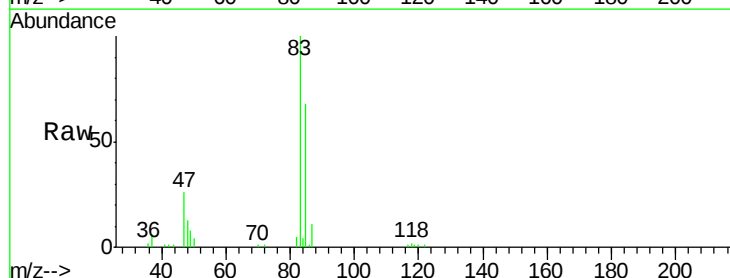
Manual Integrations
APPROVED

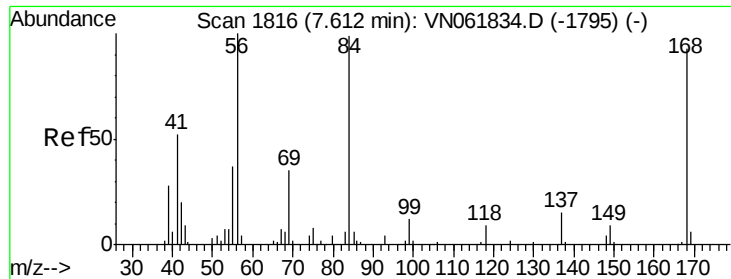
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#30
Chloroform
Concen: 19.610 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	52.0	78.0





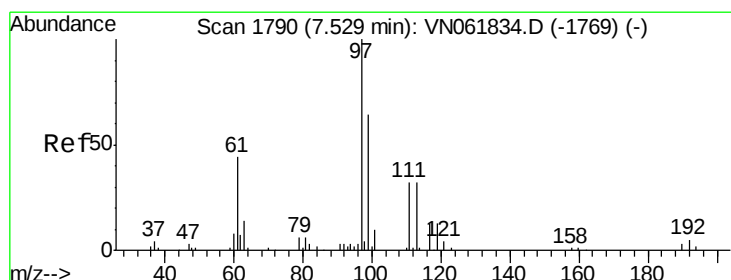
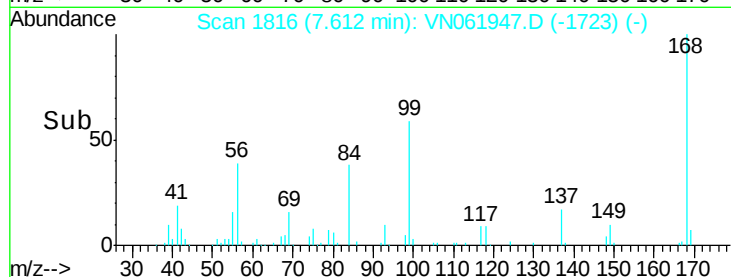
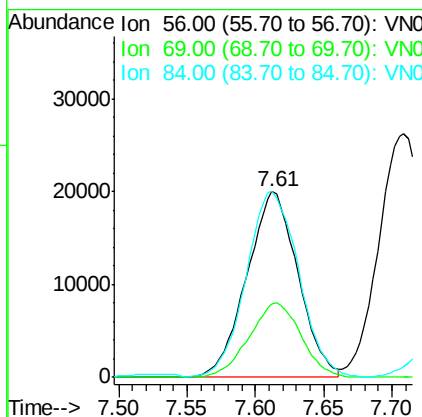
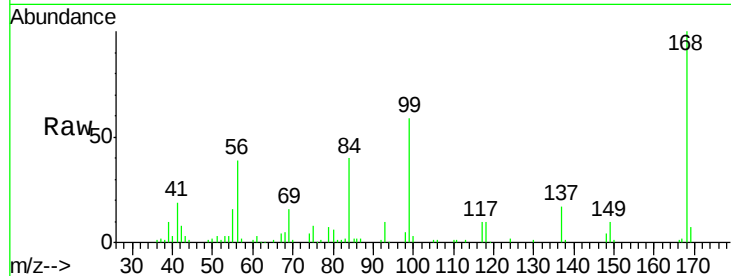
#31
Cyclohexane
Concen: 18.899 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	27.7	41.5
84	100.4	79.1	118.7

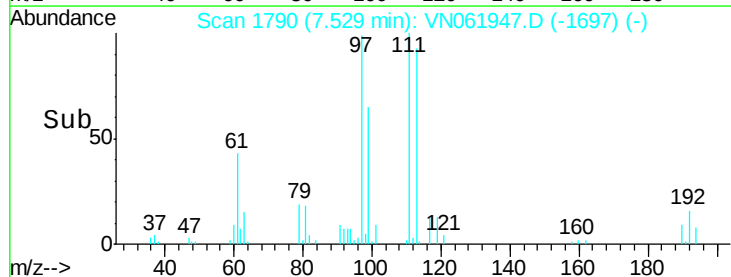
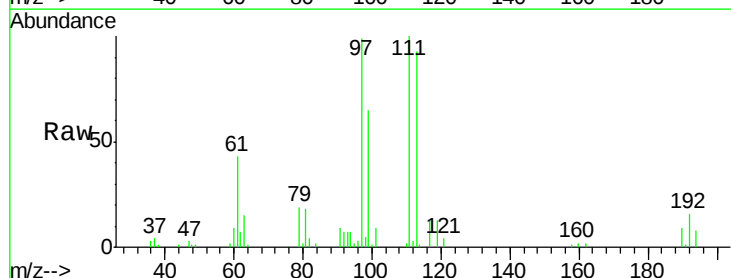
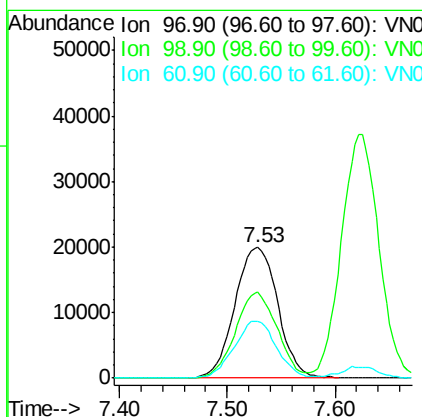
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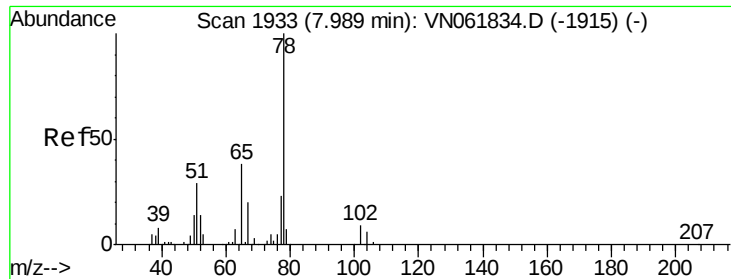
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#32
1,1,1-Trichloroethane
Concen: 19.229 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	43.0	35.1	52.7





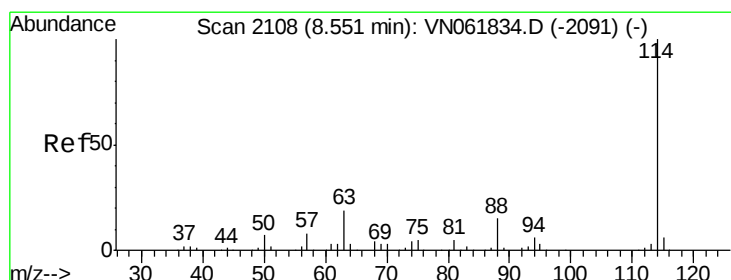
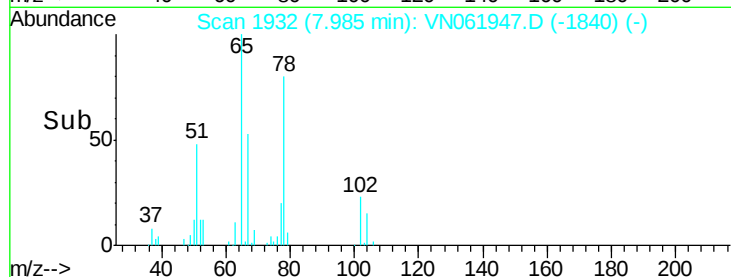
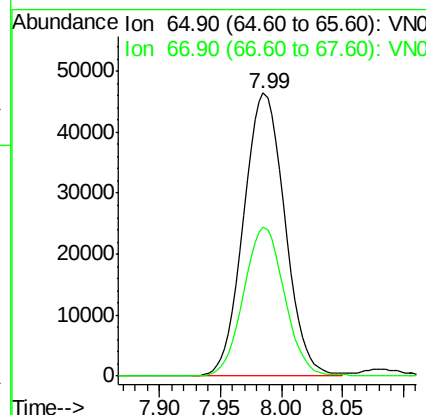
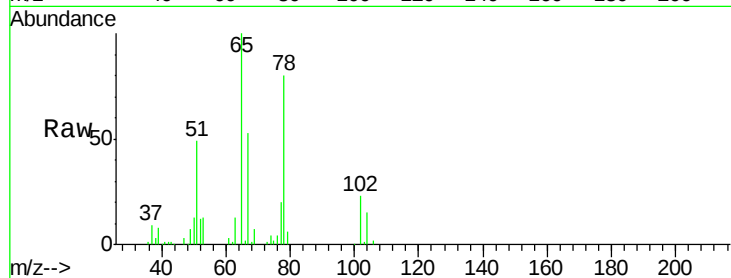
#33
 1,2-Dichloroethane-d4
 Concen: 52.122 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109015		
67	52.0	0.0	106.2	

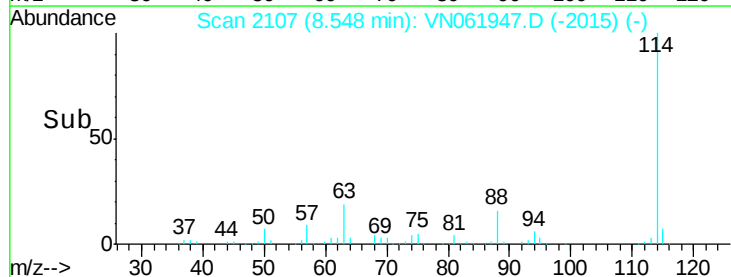
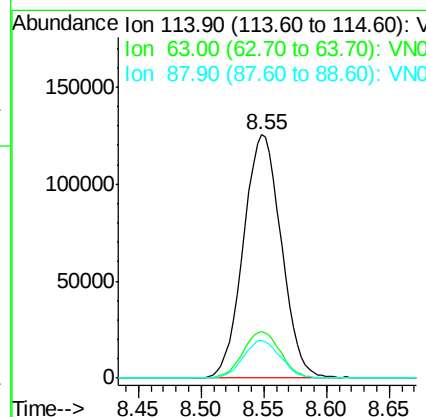
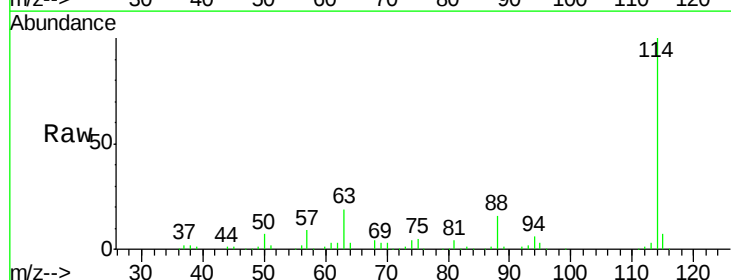
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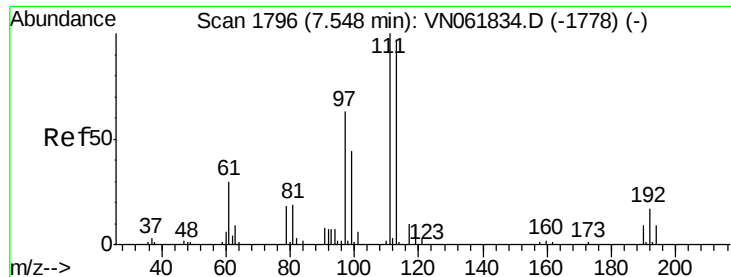
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	264067		
63	19.1	0.0	37.6	
88	15.6	0.0	31.0	





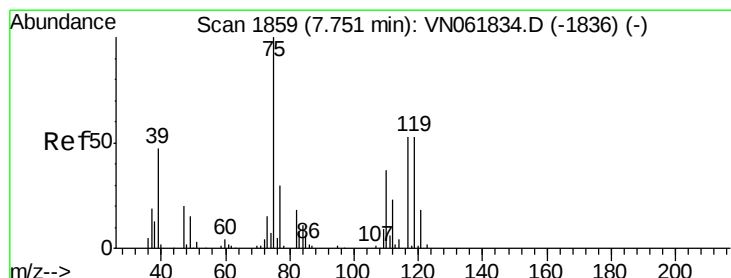
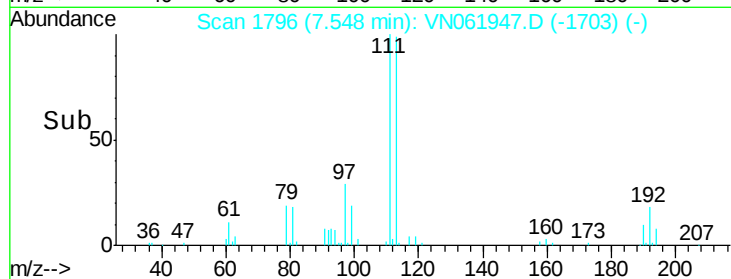
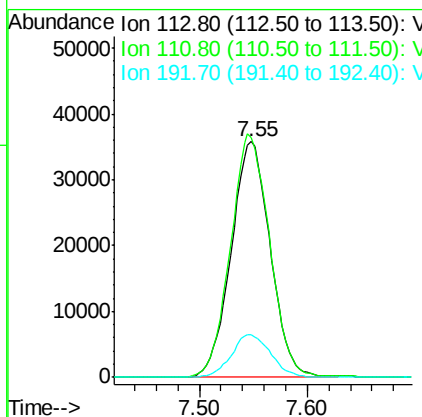
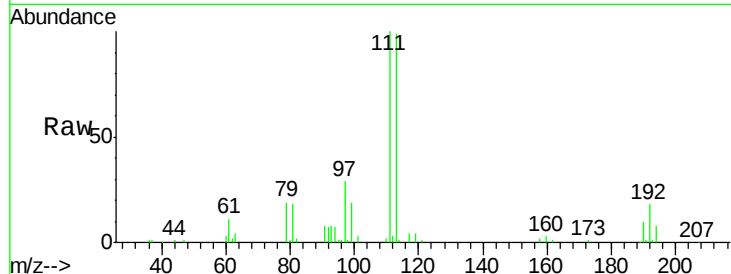
#35
 Dibromofluoromethane
 Concen: 53.539 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90447		
111	103.0	83.7	125.5	
192	18.1	13.9	20.9	

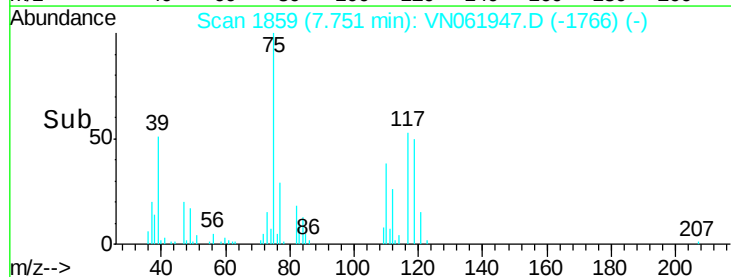
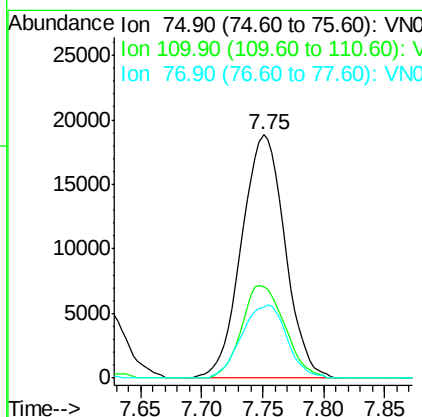
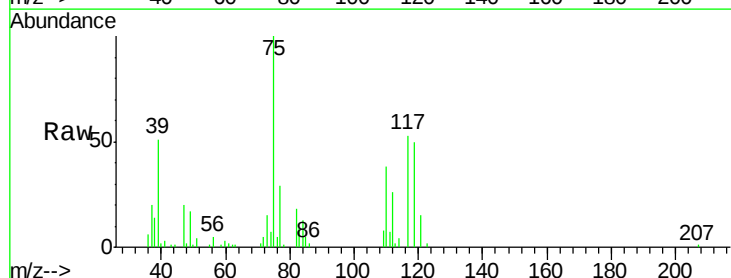
Manual Integrations
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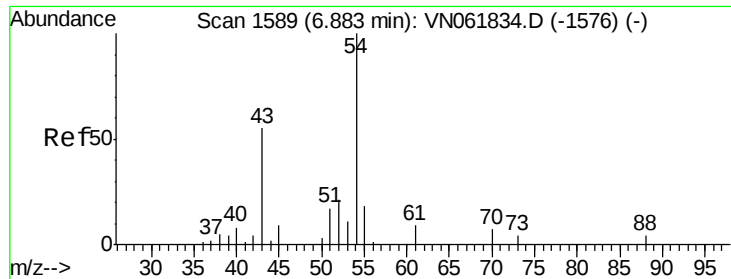
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#36
 1,1-Dichloropropene
 Concen: 19.279 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46435		
110	37.8	18.2	54.6	
77	31.3	24.2	36.4	





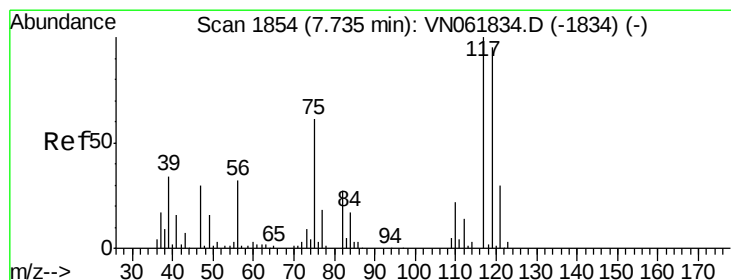
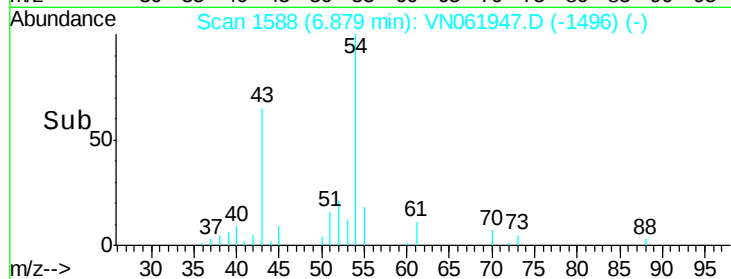
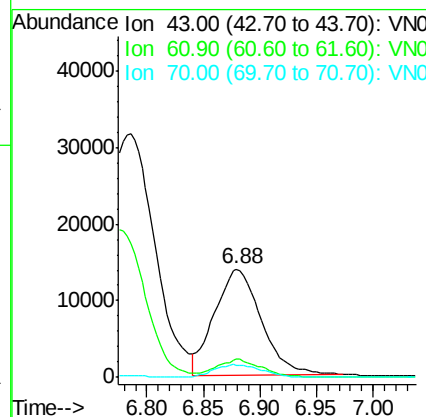
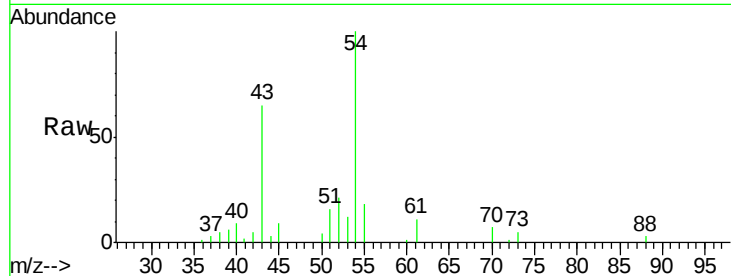
#37
Ethyl Acetate
Concen: 21.252 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	43	61	70
Resp	39972		
Ratio	100	16.1	11.9
Lower		13.0	9.4
Upper		19.4	14.2

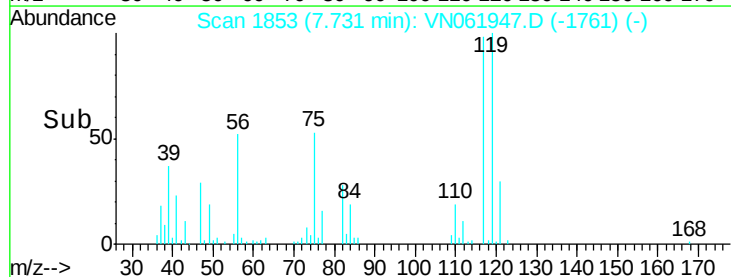
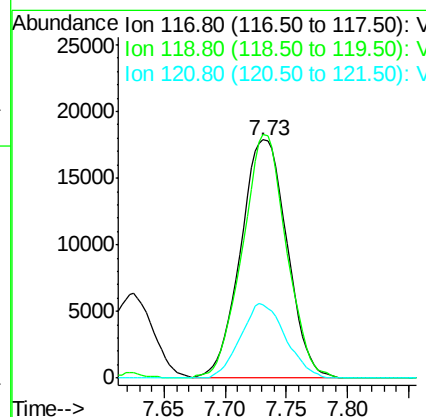
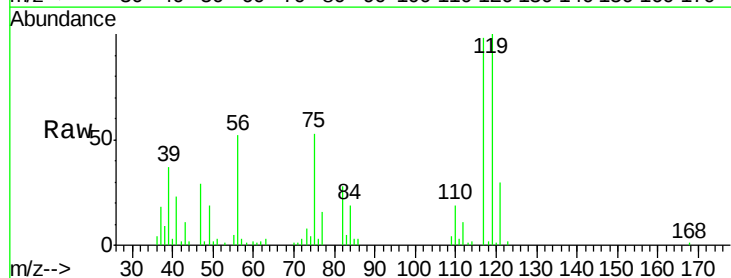
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#38
Carbon Tetrachloride
Concen: 19.752 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	117	119	121
Resp	47111		
Ratio	100	102.3	30.7
Lower		75.8	23.8
Upper		113.6	35.6





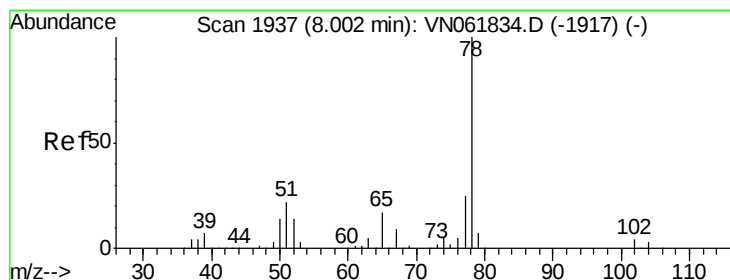
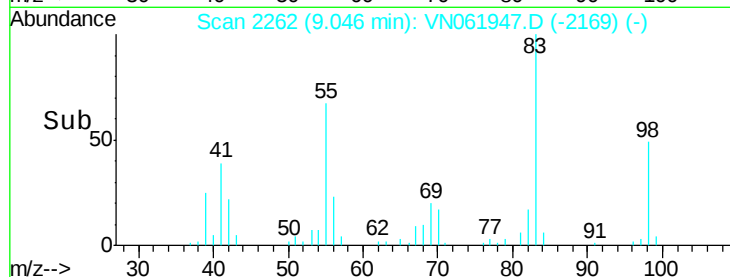
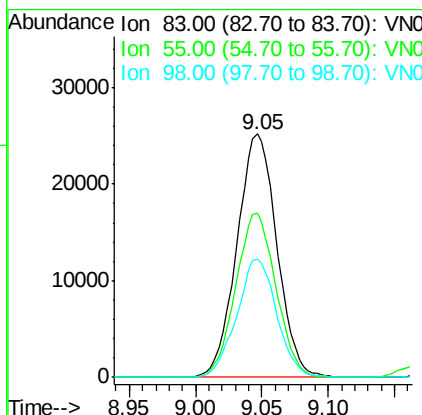
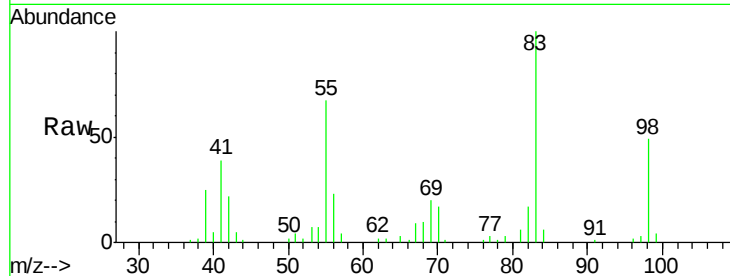
#39
Methvlcvclohexane
Concen: 20.327 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.3	54.2	81.4
98	48.6	39.8	59.6

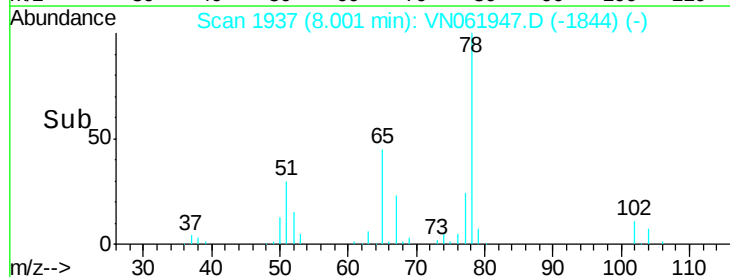
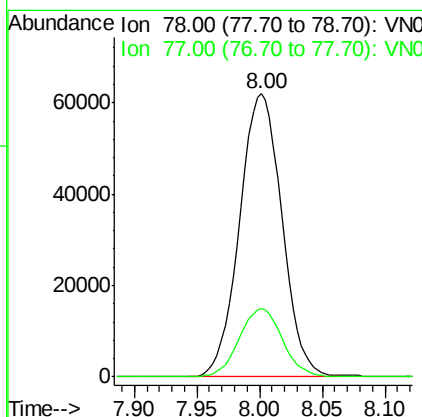
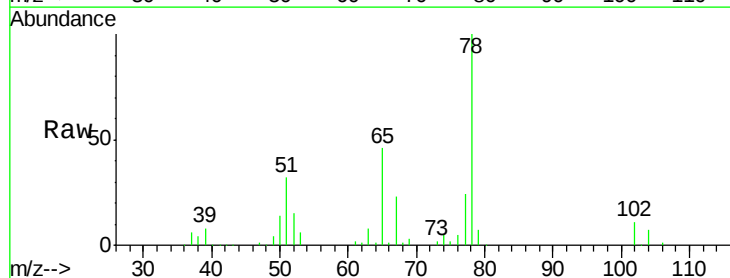
Manual Integrations
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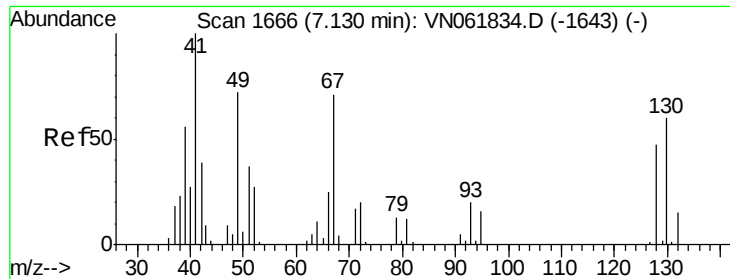
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#40
Benzene
Concen: 19.922 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.7	29.5





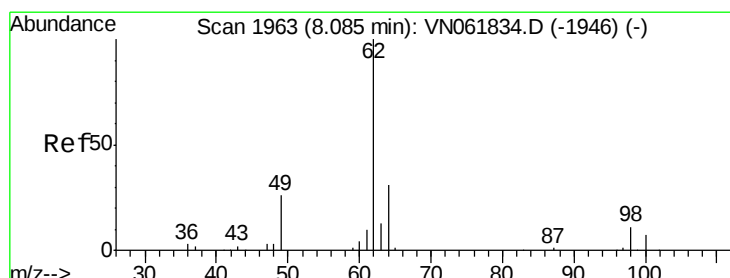
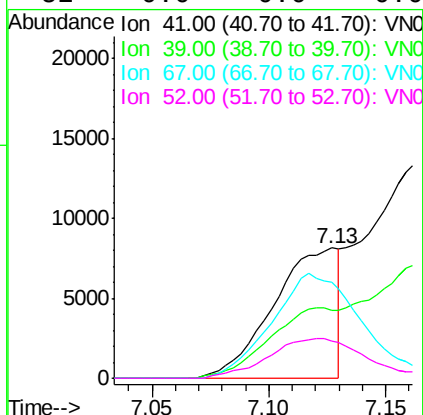
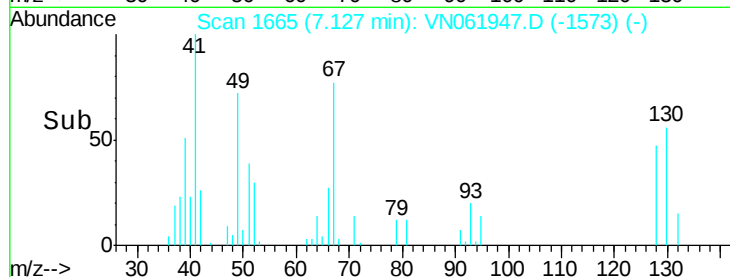
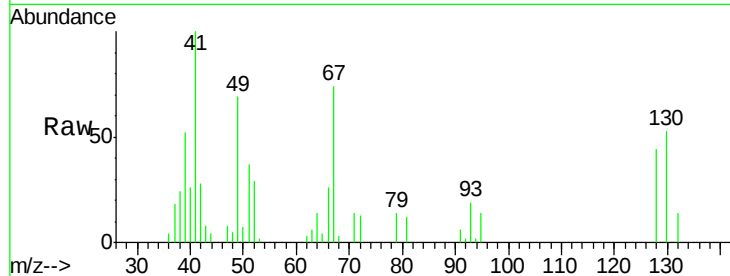
#41
Methacrylonitrile
Concen: 19.788 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

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

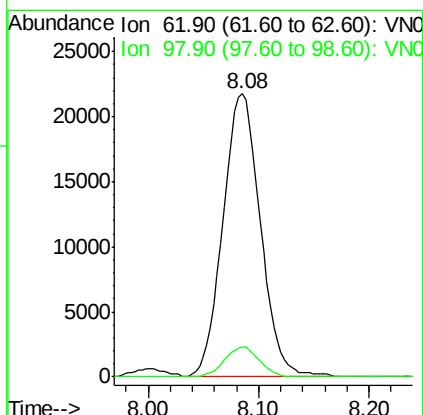
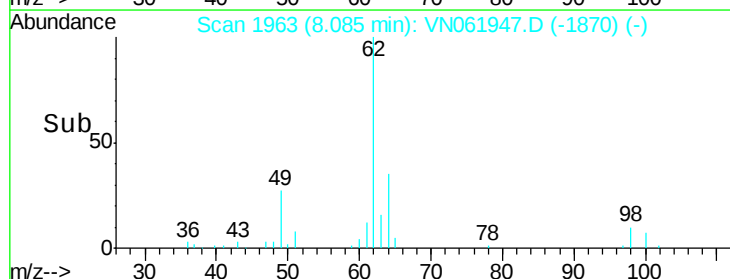
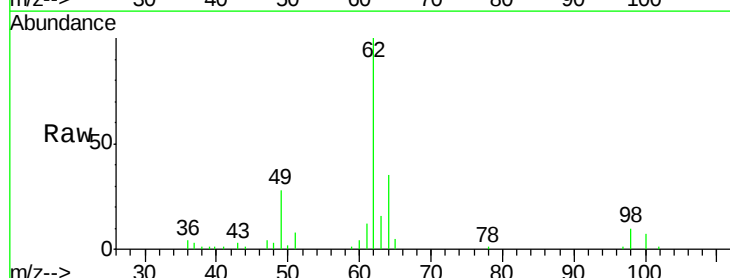
Manual Integrations
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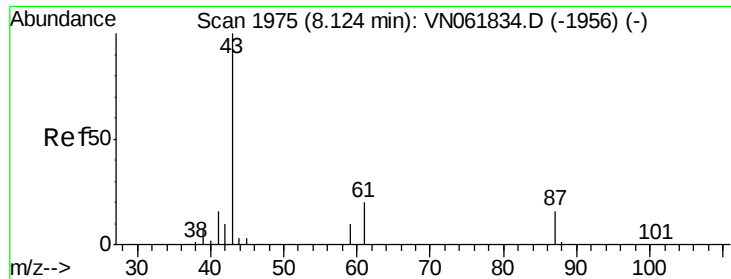
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#42
1,2-Dichloroethane
Concen: 20.608 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.4





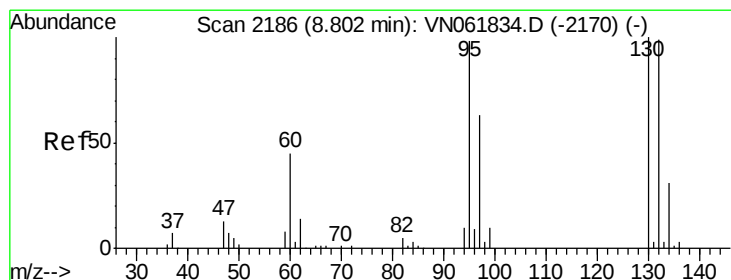
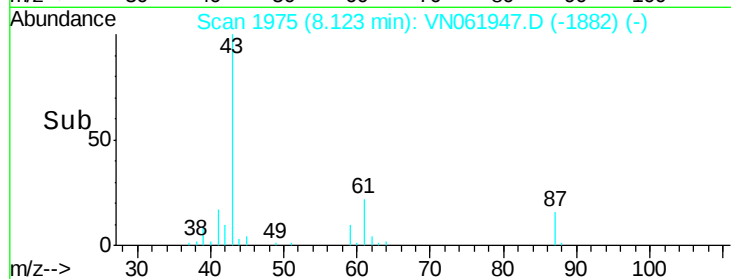
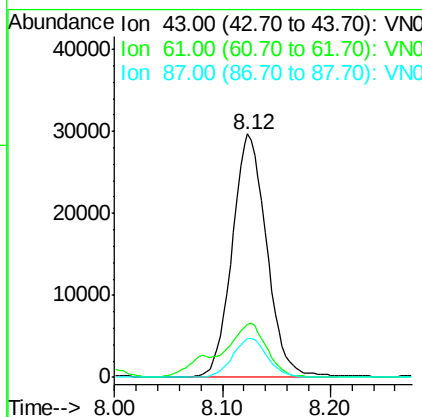
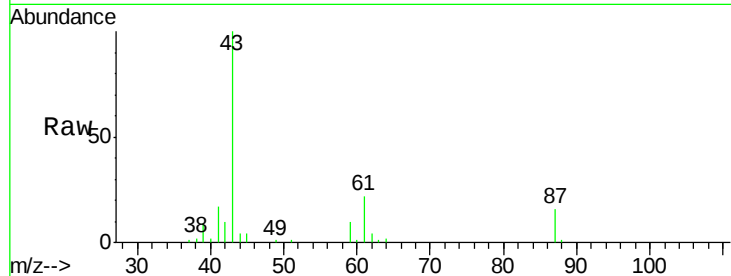
#43
Isopropyl Acetate
Concen: 20.758 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.3	24.0	36.0#
87	15.9	12.5	18.7

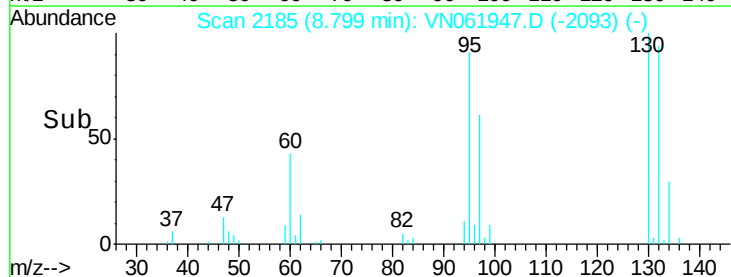
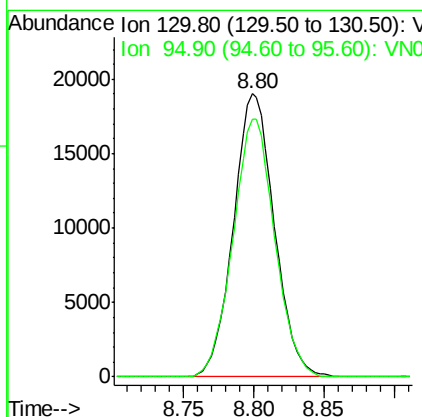
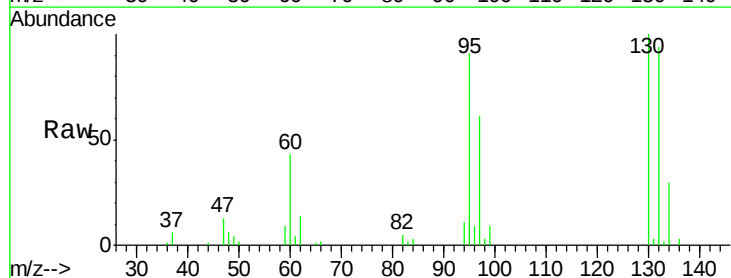
Manual Integrations
APPROVED

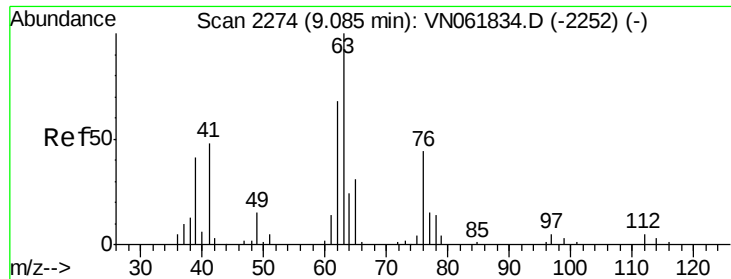
MMDadoda
6/22/2020 1:25:18 PM



#44
Trichloroethene
Concen: 20.087 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	195.6





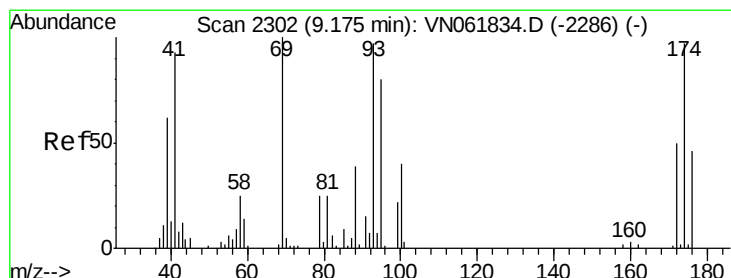
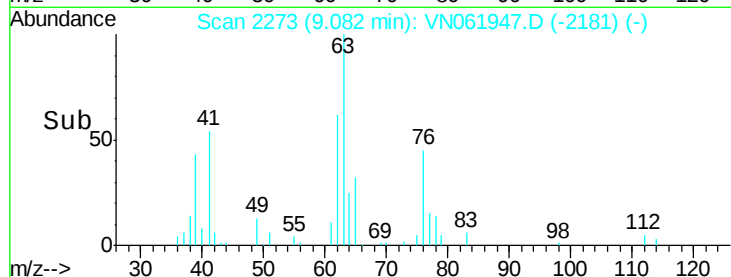
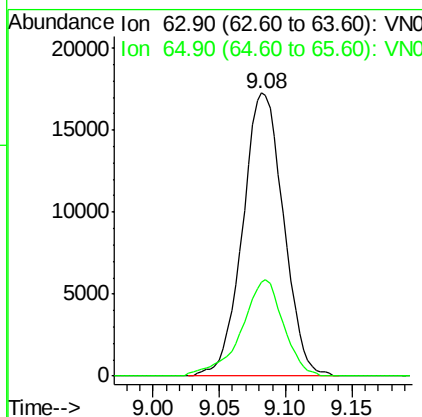
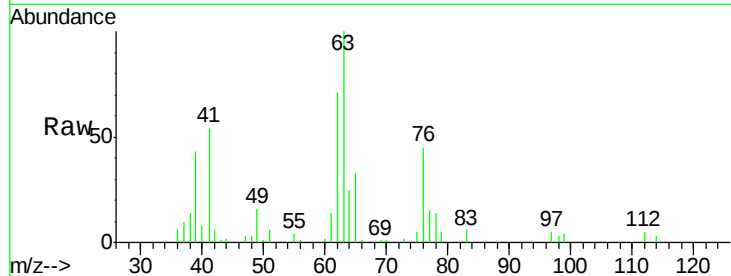
#45
 1,2-Dichloropropane
 Concen: 20.624 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion: 63 Resp: 36979
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.1 37.7

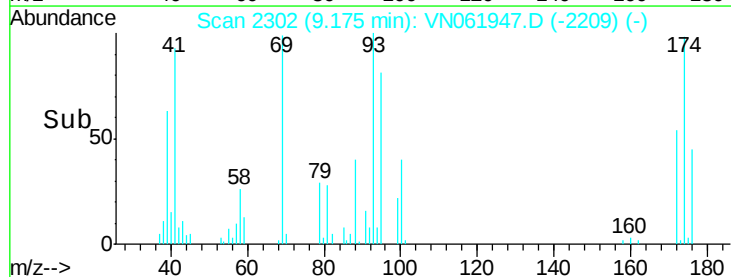
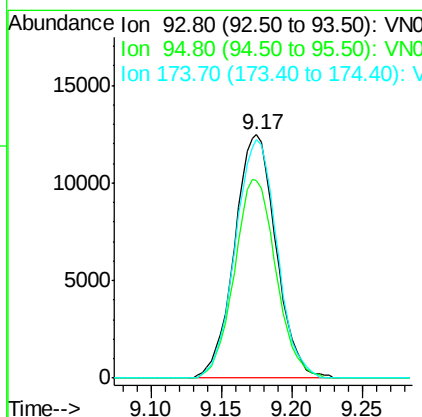
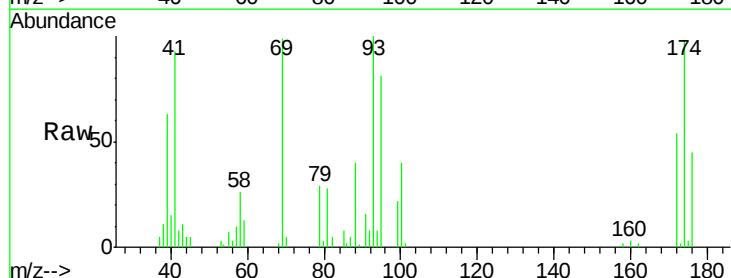
Manual Integrations
 APPROVED

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 6/22/2020 1:25:18 PM



#46
 Dibromomethane
 Concen: 20.350 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion: 93 Resp: 25695
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.8 98.6
 174 98.3 78.5 117.7





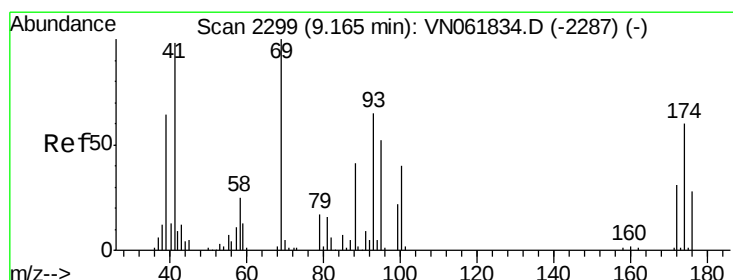
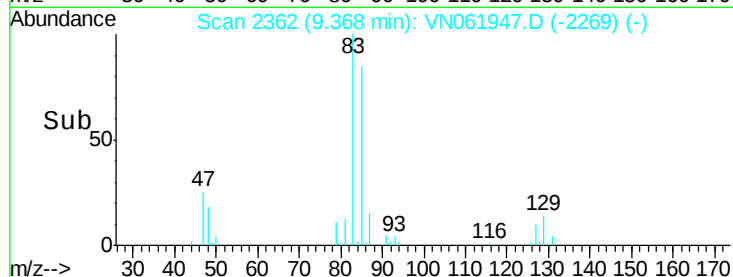
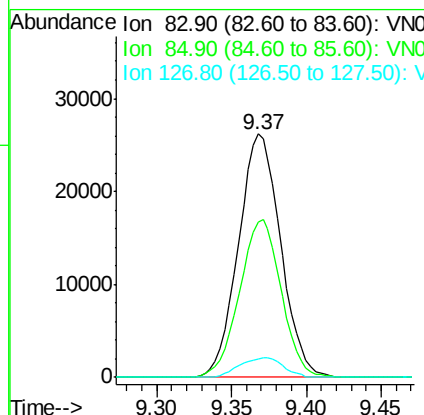
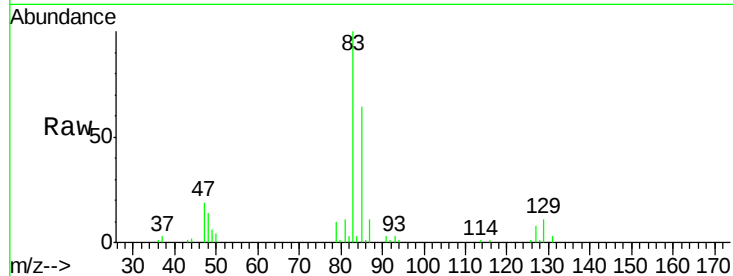
#47
Bromodichloromethane
Concen: 19.867 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	83	Resp	51365
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	50.8	76.2
127	7.6	7.0	10.4

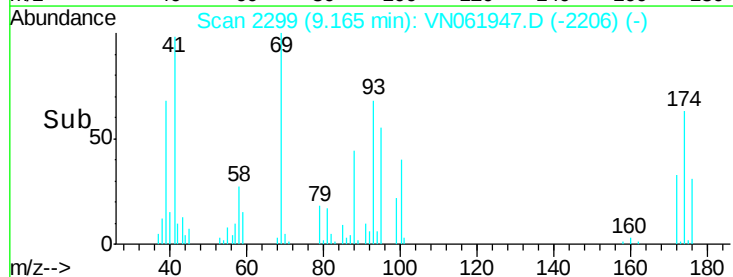
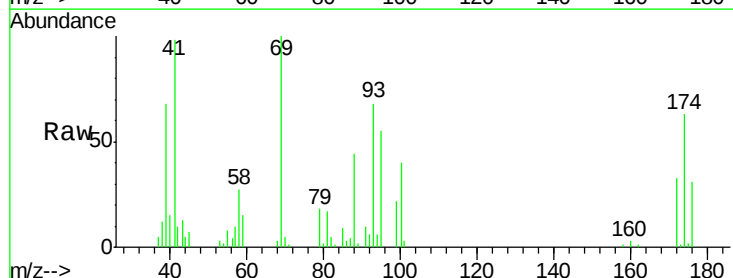
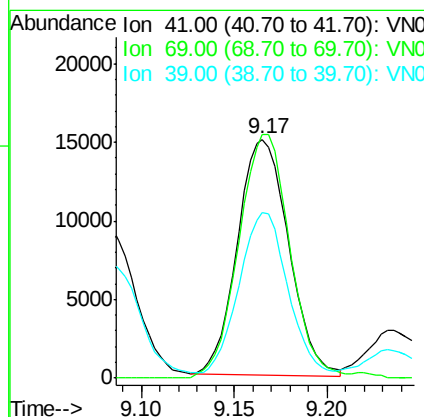
Manual Integrations
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#48
Methyl methacrylate
Concen: 19.982 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	41	Resp	28804
Ion Ratio	100	Lower	Upper
41	100		
69	103.2	83.0	124.4
39	68.7	55.1	82.7





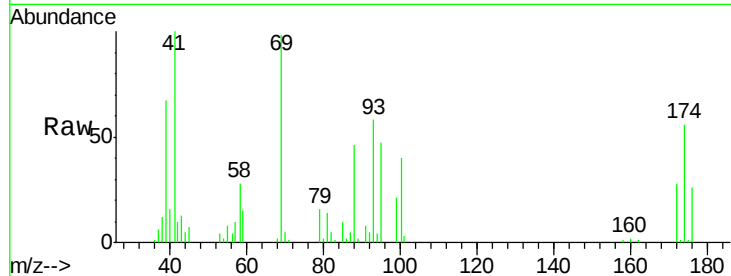
#49
1,4-Dioxane
Concen: 412.698 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	88	Resp	13658
Ion	Ratio	Lower	Upper
88	100		
43	29.2	23.4	35.2
58	61.2	49.8	74.6

Manual Integrations
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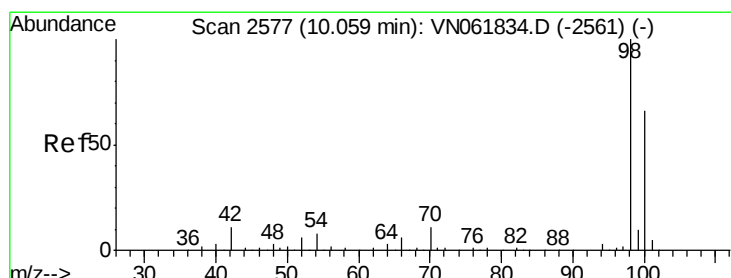
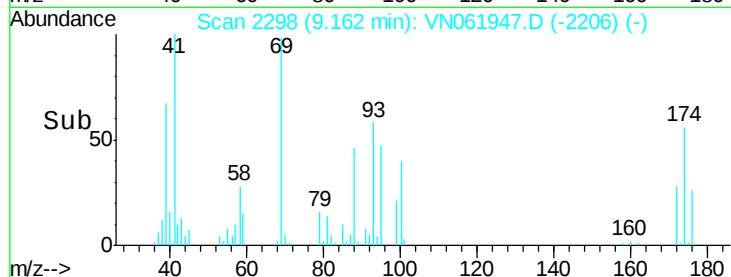
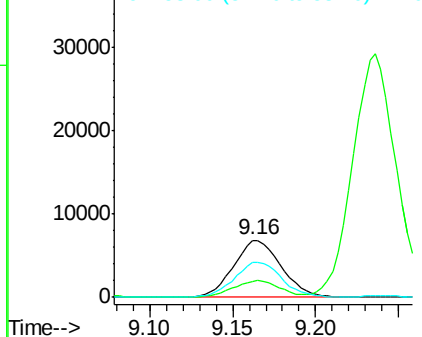
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Abundance Ion 88.00 (87.70 to 88.70): VN061834.D (-2285) (-)

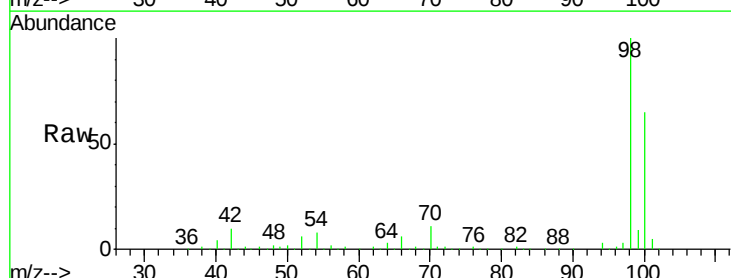
Ion 43.00 (42.70 to 43.70): VN061834.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2285) (-)



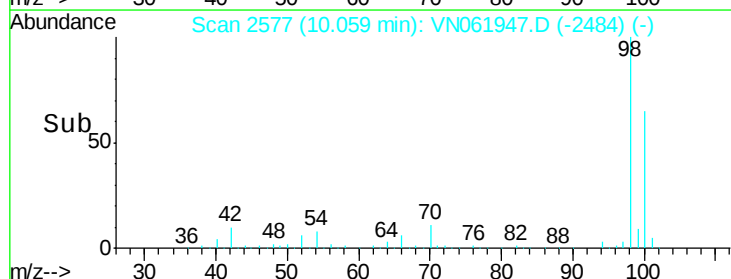
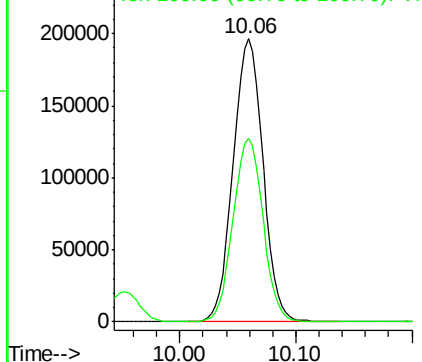
#50
Toluene-d8
Concen: 52.893 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

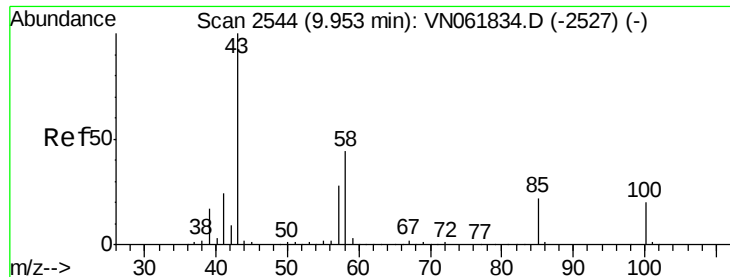
Tgt Ion	98	Resp	351291
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)





#51

4-Methyl-2-Pentanone

Concen: 105.700 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 43 Resp: 197985

Ion Ratio Lower Upper

43 100

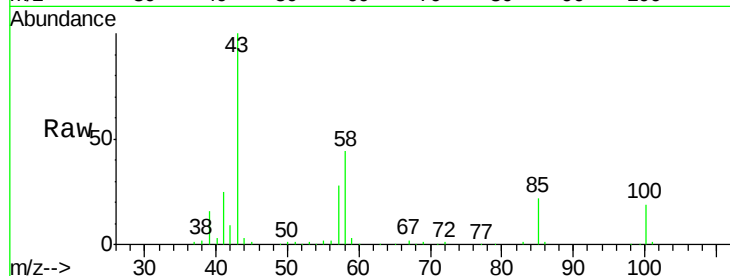
58 42.9 34.6 52.0

Manual Integrations

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6/22/2020 1:25:18 PM



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

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

9.95

120000

100000

80000

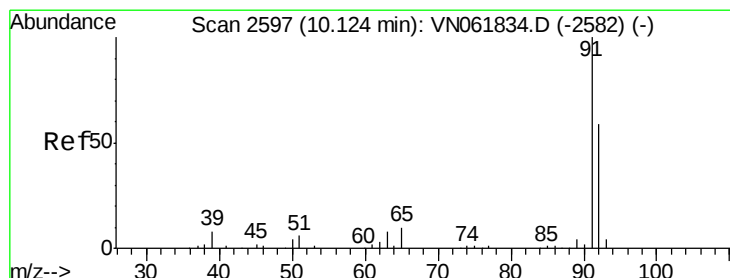
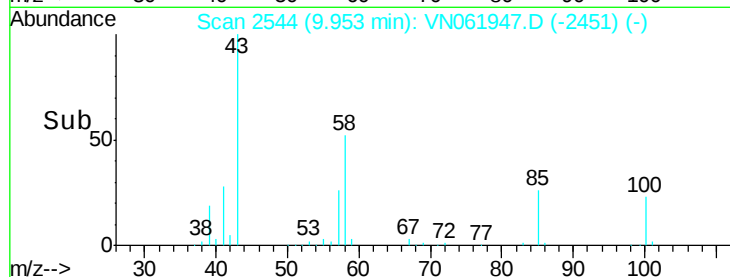
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.584 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061947.D

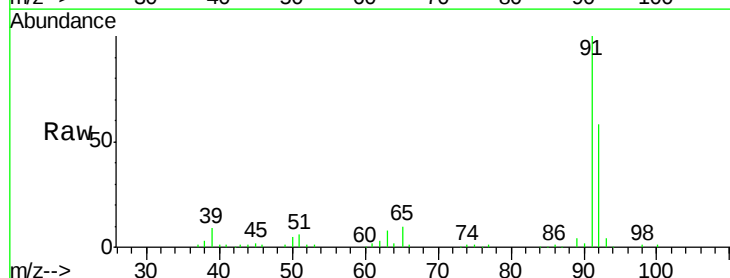
Acq: 19 Jun 2020 13:13

Tgt Ion: 92 Resp: 94319

Ion Ratio Lower Upper

92 100

91 171.3 137.1 205.7



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

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

10.12

100000

80000

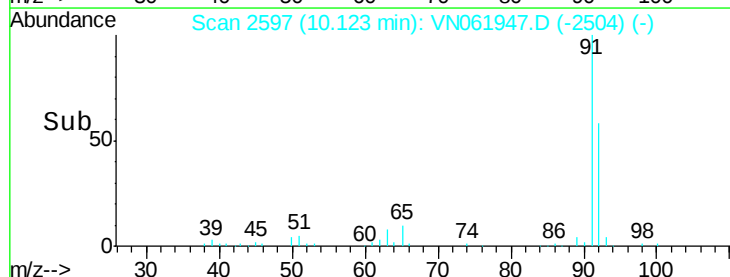
60000

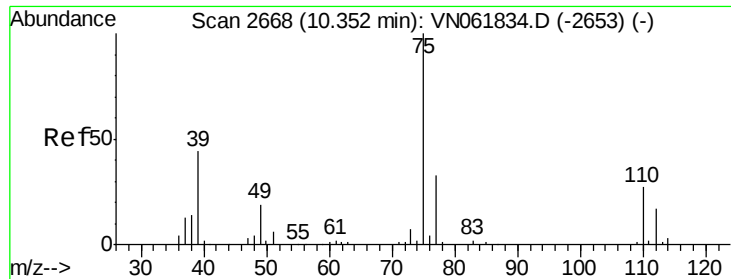
40000

20000

0

Time-->





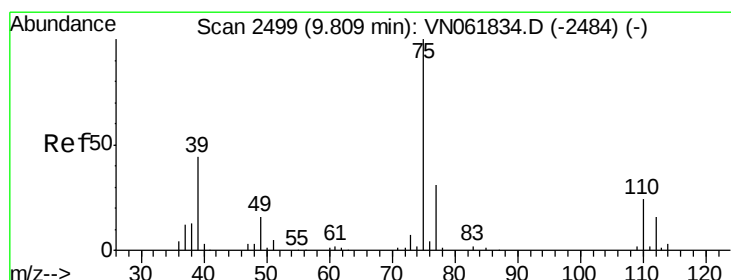
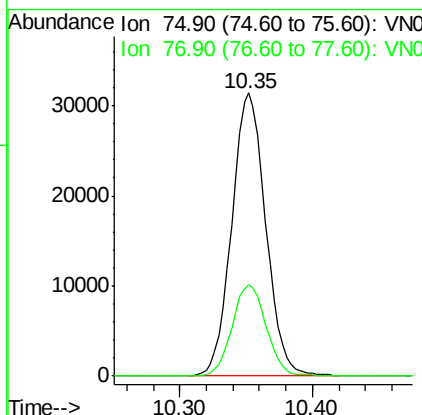
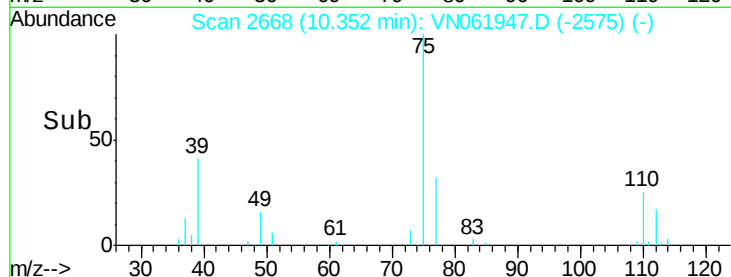
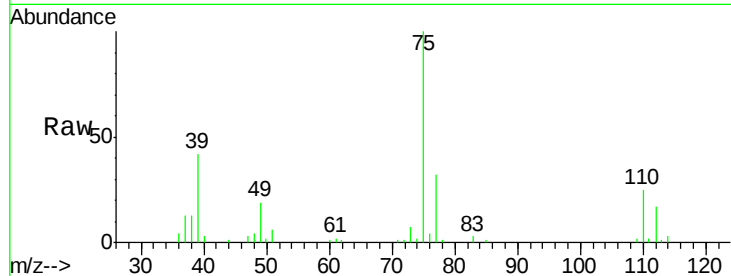
#53
t-1,3-Dichloropropene
Concen: 20.297 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0619WBSD01

Tot Ion: 75 Resp: 55708
Ion Ratio Lower Upper
75 100
77 32.2 26.3 39.5

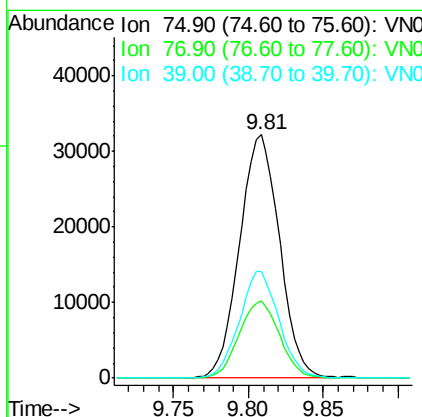
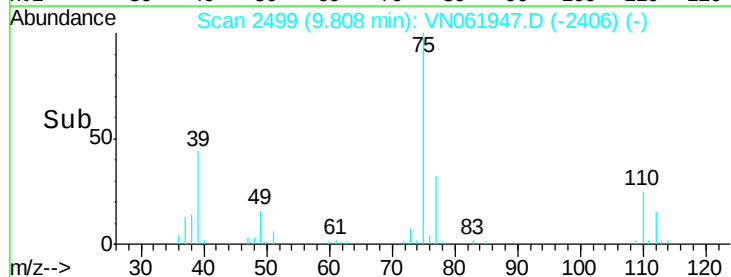
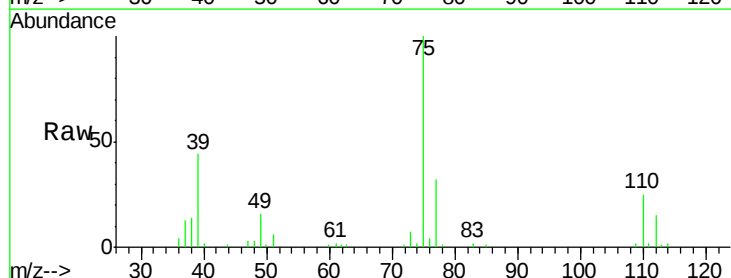
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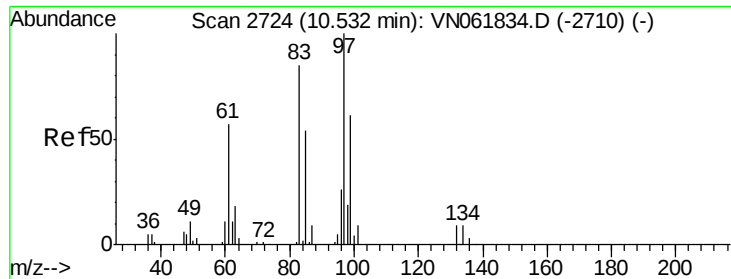
MMDadoda
6/22/2020 1:25:18 PM



#54
cis-1,3-Dichloropropene
Concen: 20.108 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion: 75 Resp: 59943
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 43.8 35.4 53.0





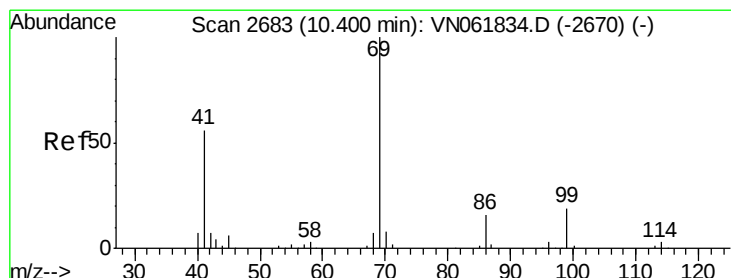
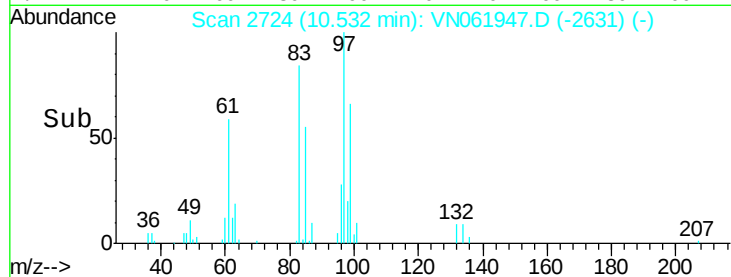
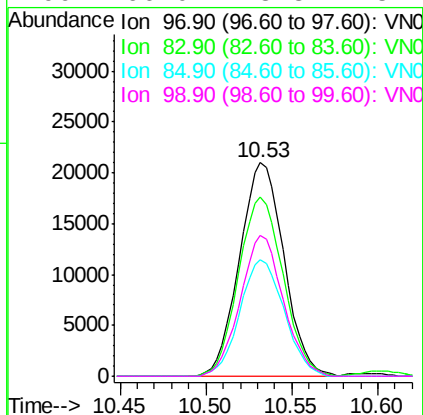
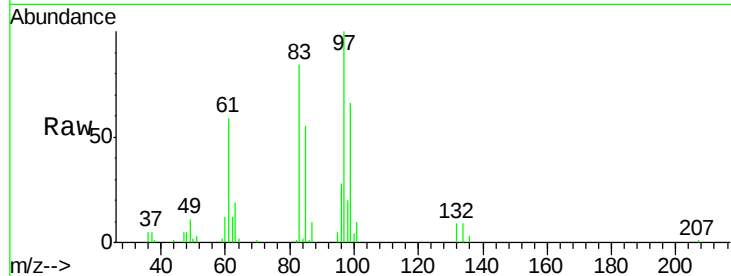
#55
 1,1,2-Trichloroethane
 Concen: 20.828 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.7	101.5
85	54.8	43.4	65.0
99	66.0	48.8	73.2

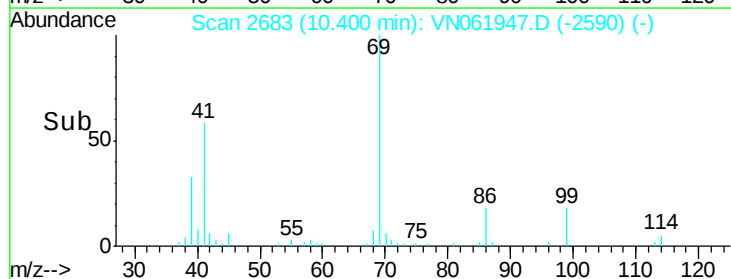
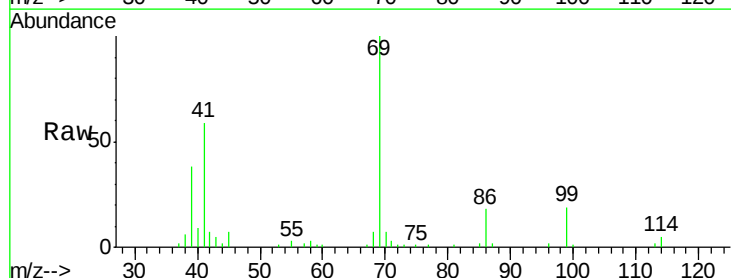
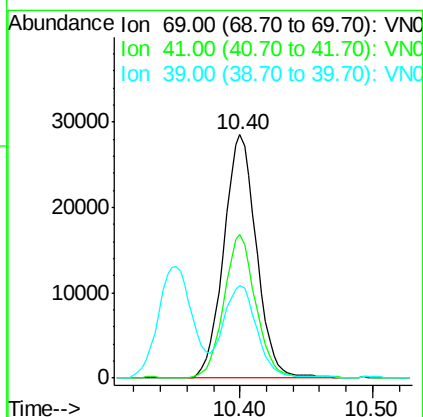
Manual Integrations
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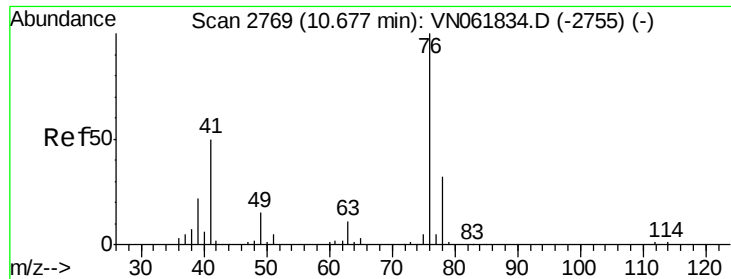
MMDadoda
 6/22/2020 1:25:18 PM



#56
 Ethyl methacrylate
 Concen: 19.588 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	57.9	44.9	67.3
39	39.5	30.0	45.0





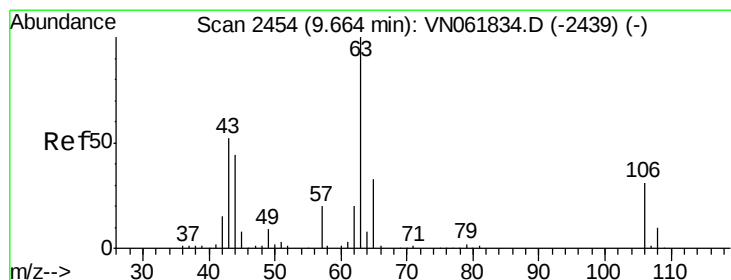
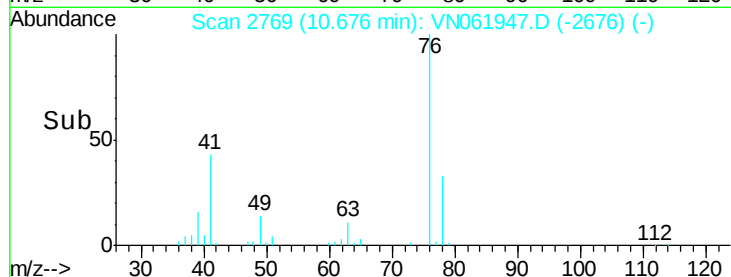
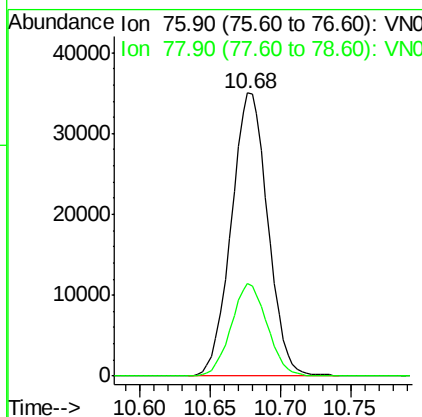
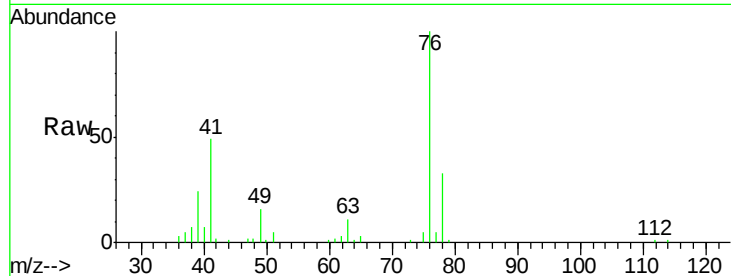
#57
 1,3-Dichloropropane
 Concen: 20.793 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion: 76 Resp: 63509
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

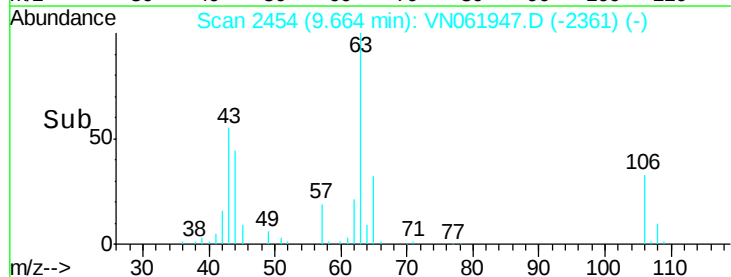
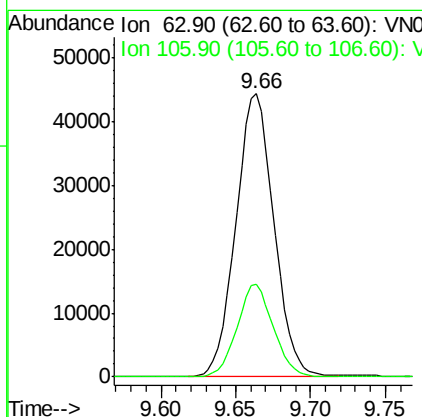
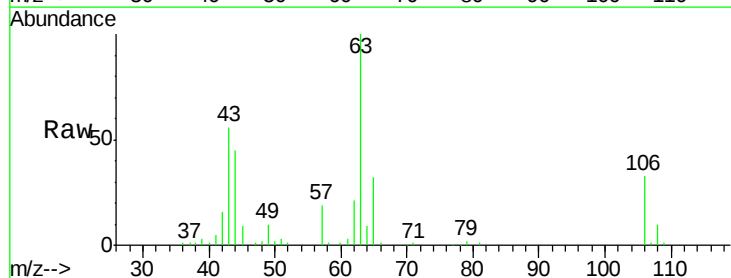
Manual Integrations
 APPROVED

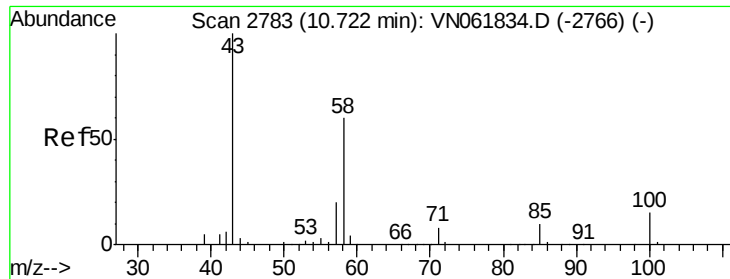
MMDadoda
 6/22/2020 1:25:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.744 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion: 63 Resp: 78730
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.6 36.8





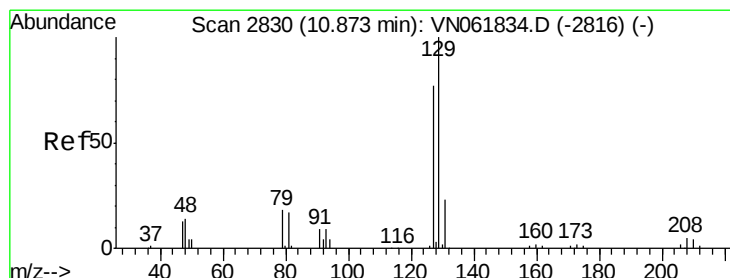
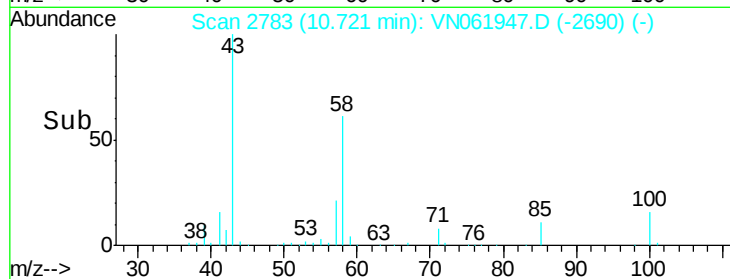
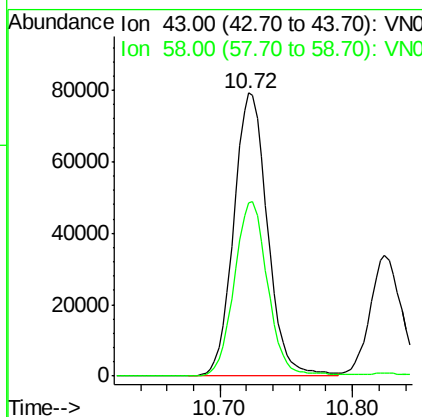
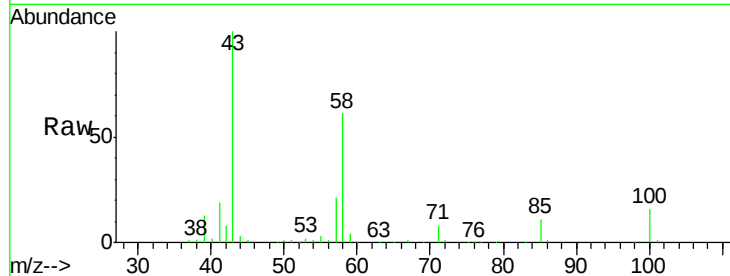
#59
2-Hexanone
Concen: 101.943 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	43	58	Resp	Lower	Upper
139996	100	61.0		30.1	90.5

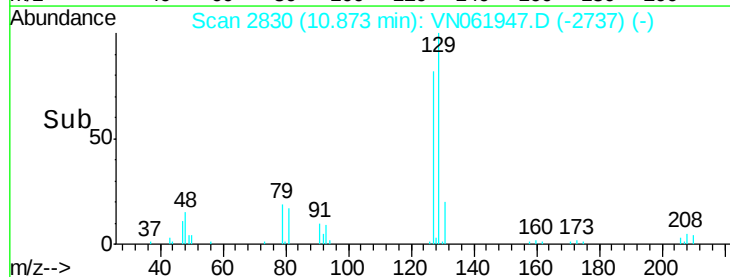
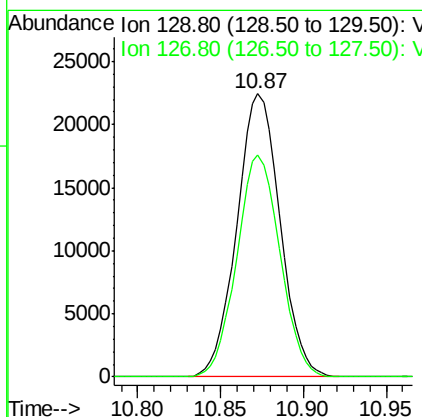
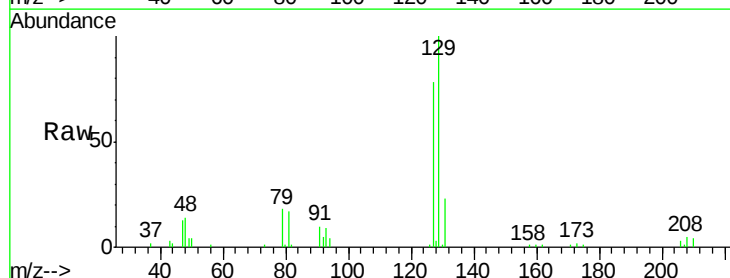
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#60
Dibromochloromethane
Concen: 20.237 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	129	127	Resp	Lower	Upper
40711	100	78.1		38.5	115.5





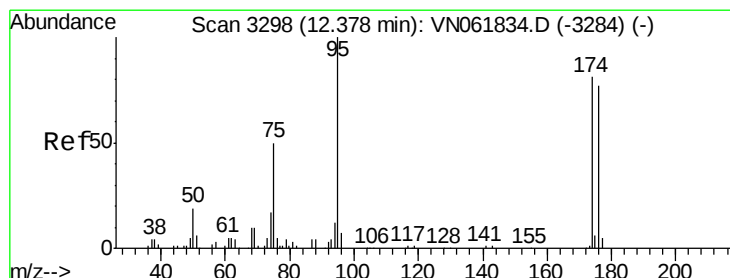
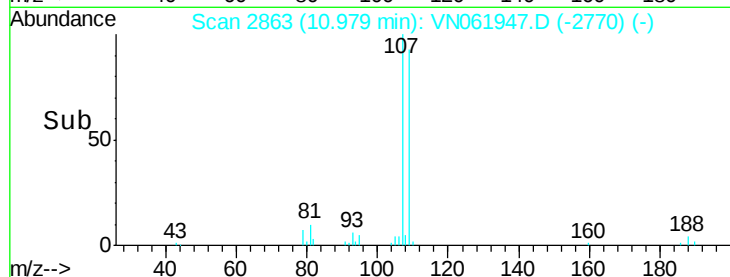
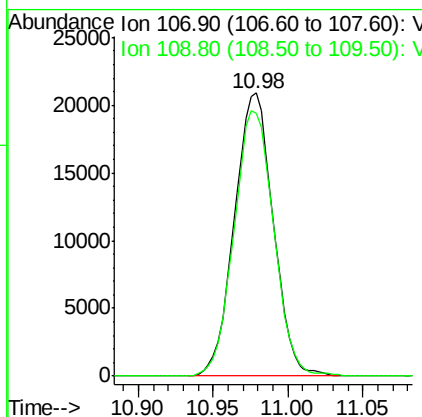
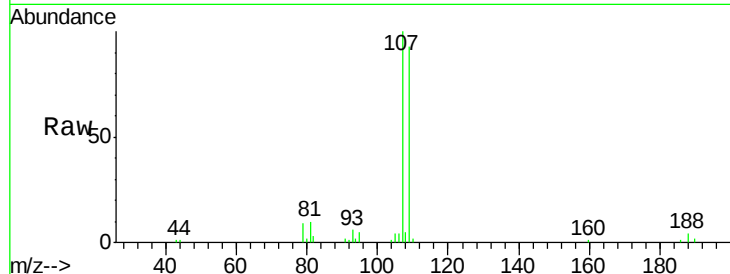
#61
 1,2-Dibromoethane
 Concen: 20.072 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		37786		
109	95.9	75.0	112.6		

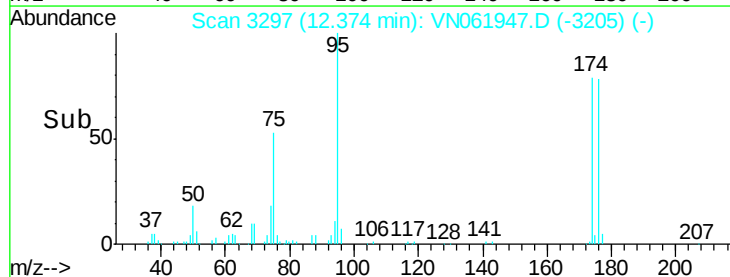
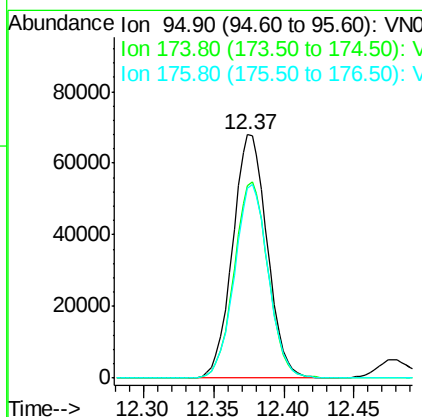
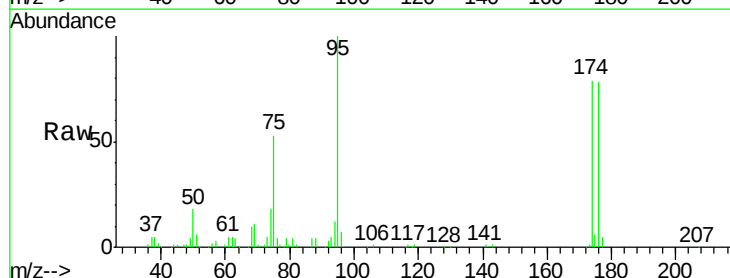
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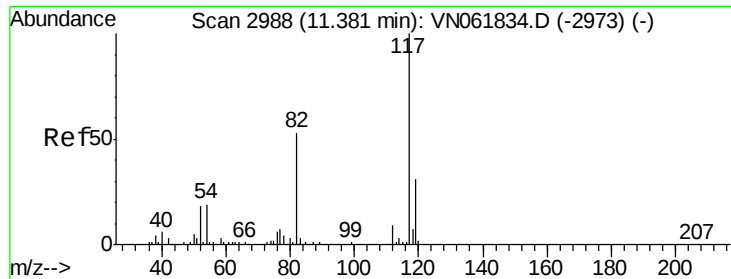
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#62
 4-Bromofluorobenzene
 Concen: 51.235 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		116722		
174	79.0	0.0	158.6		
176	77.7	0.0	152.0		





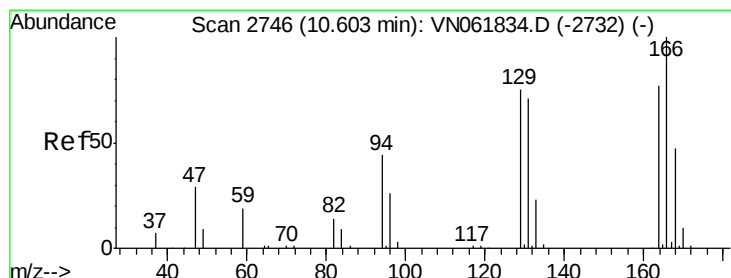
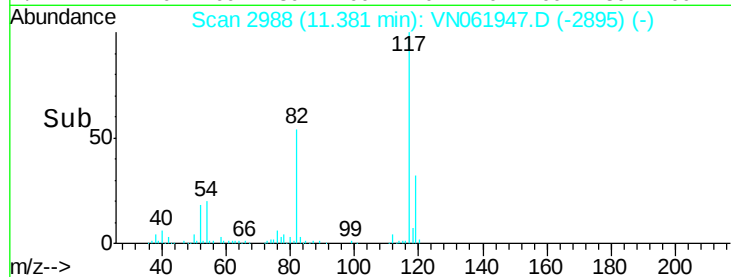
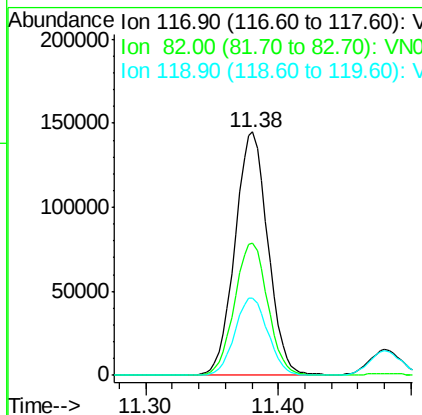
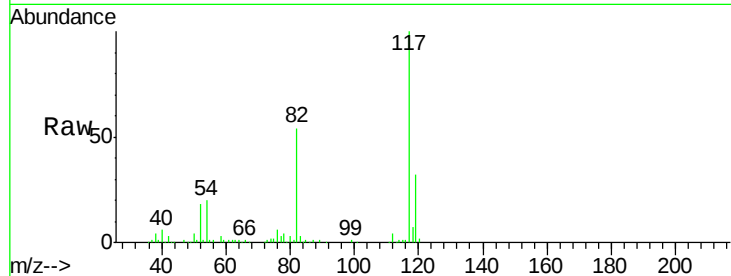
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	249836		
82	54.4	42.6	64.0	
119	31.9	24.7	37.1	

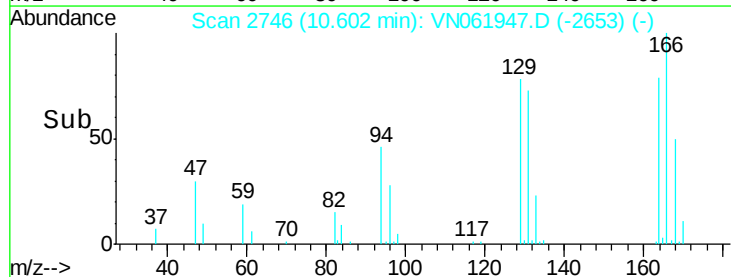
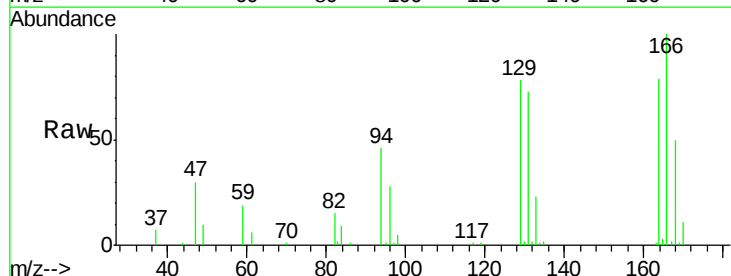
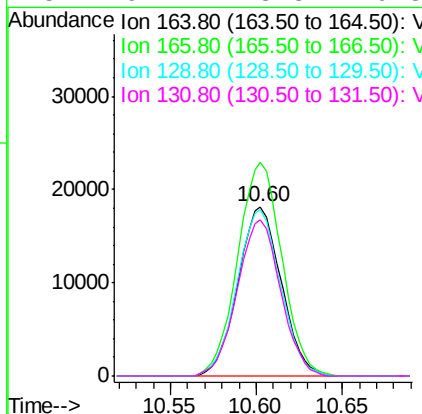
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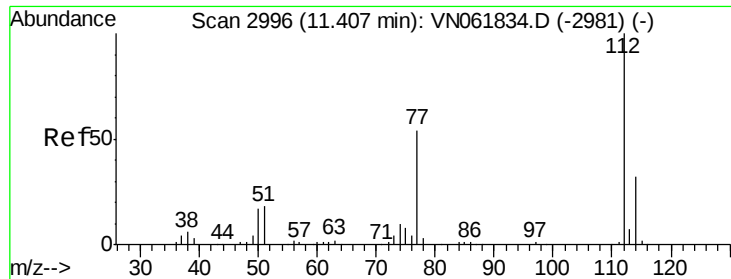
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#64
Tetrachloroethene
Concen: 19.993 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31836		
166	126.3	103.5	155.3	
129	98.1	77.5	116.3	
131	92.4	73.8	110.8	





#65

Chlorobenzene

Concen: 19.168 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion:112 Resp: 101050

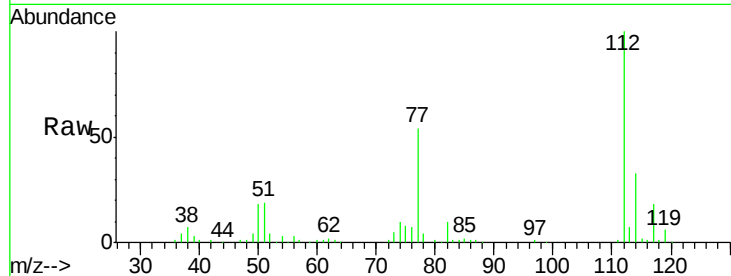
Ion Ratio Lower Upper

112 100

114 32.9 25.8 38.6

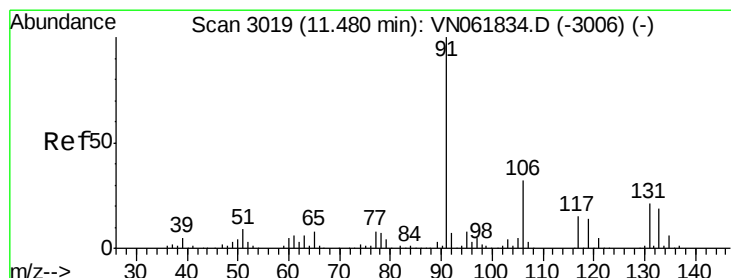
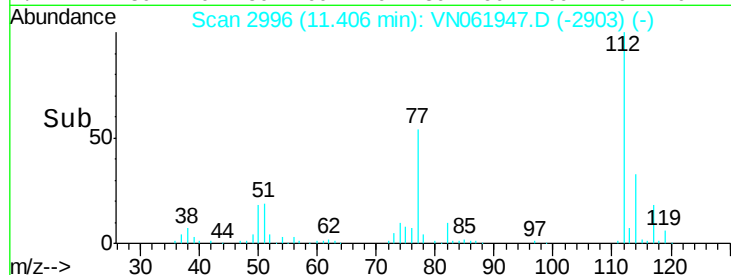
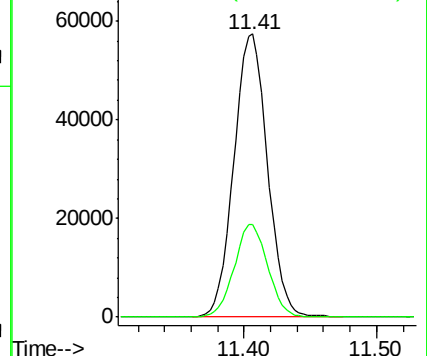
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.943 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

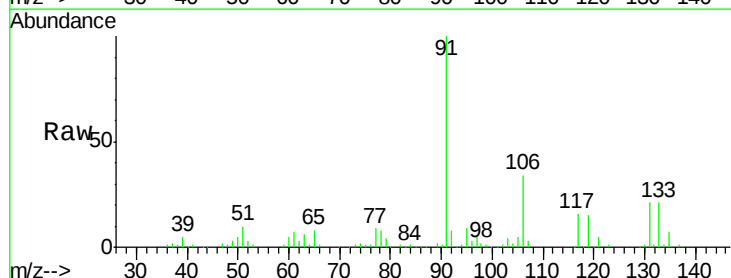
Tgt Ion:131 Resp: 36667

Ion Ratio Lower Upper

131 100

133 96.2 47.5 142.5

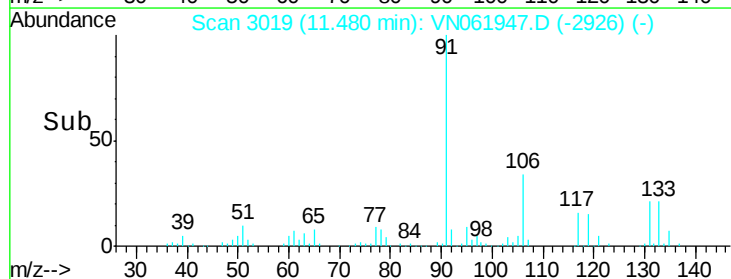
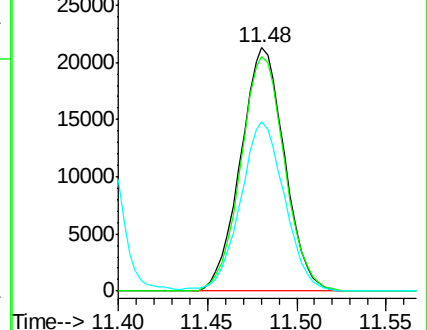
119 69.9 34.0 101.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





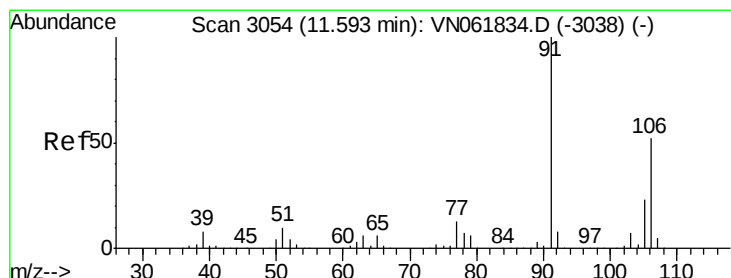
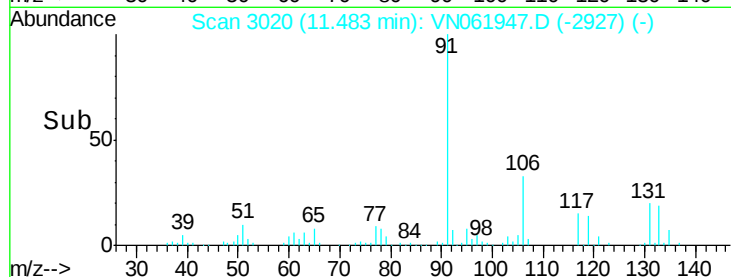
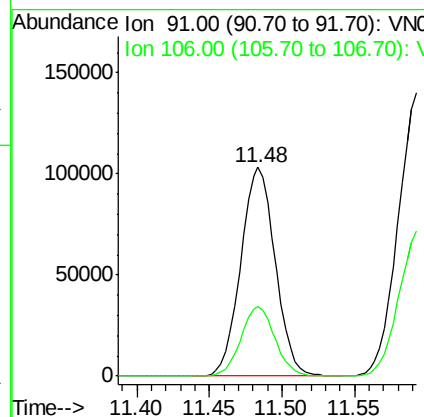
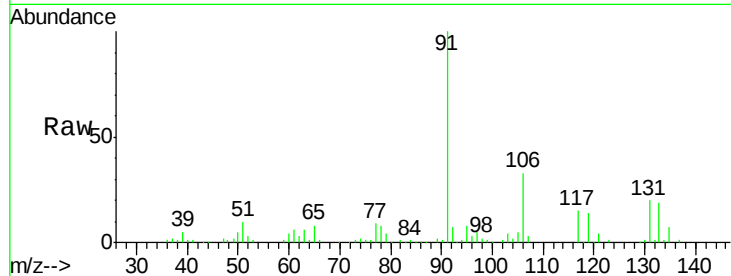
#67
Ethyl Benzene
Concen: 19.305 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 91 Resp: 170630
Ion Ratio Lower Upper
91 100
106 33.3 25.4 38.2

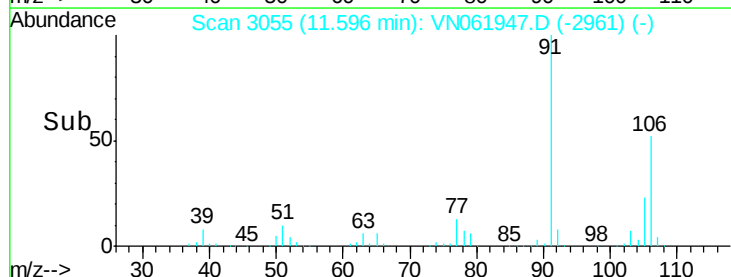
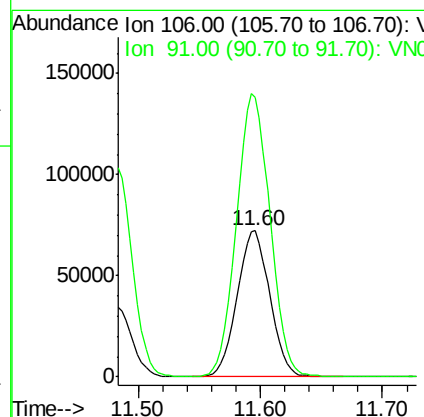
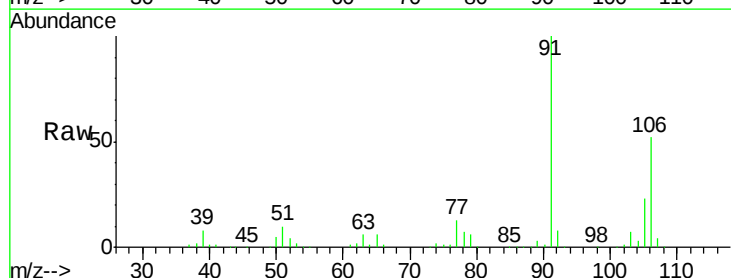
Manual Integrations
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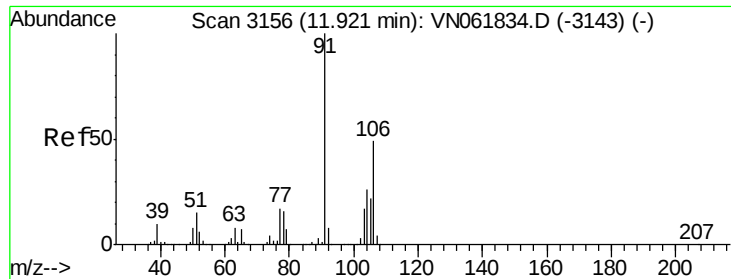
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#68
m/p-Xylenes
Concen: 39.410 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion: 106 Resp: 134319
Ion Ratio Lower Upper
106 100
91 198.2 157.0 235.6





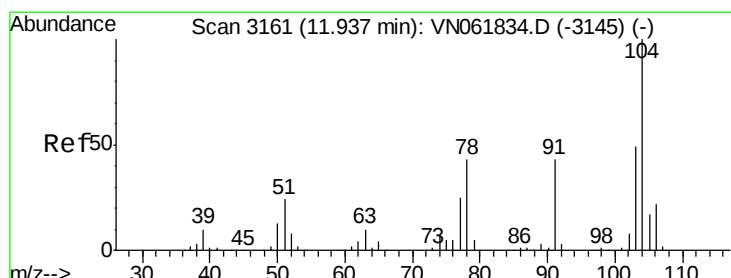
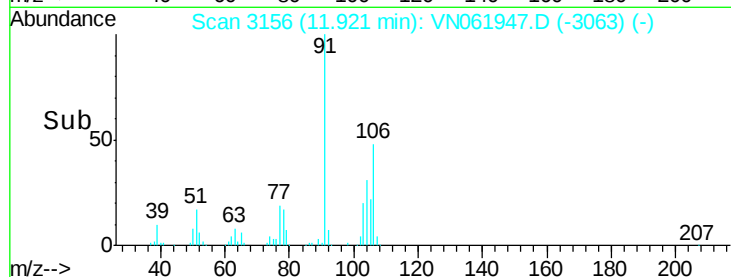
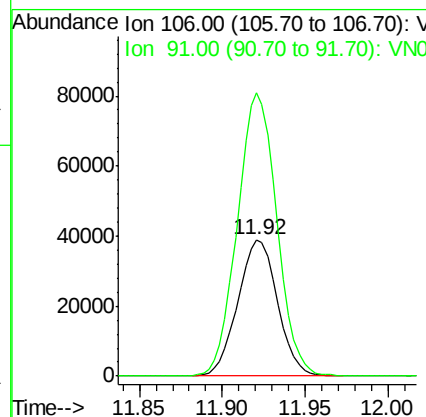
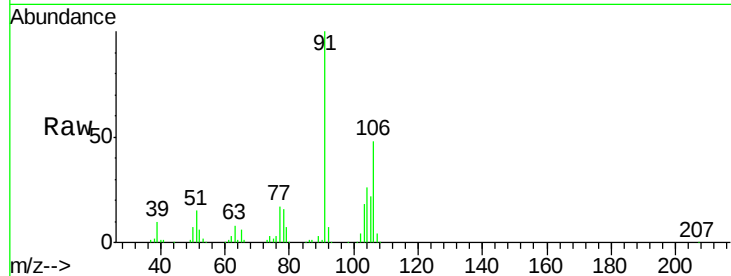
#69
o-Xylene
Concen: 19.889 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion:106 Resp: 64678
Ion Ratio Lower Upper
106 100
91 207.1 103.0 308.9

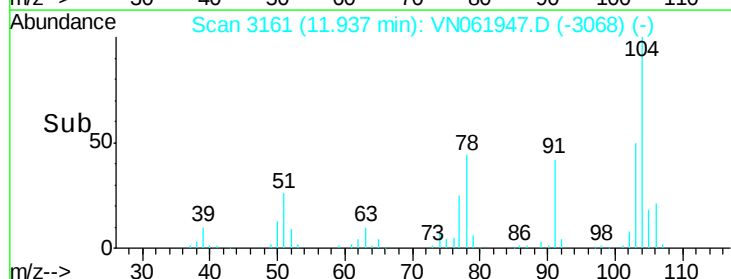
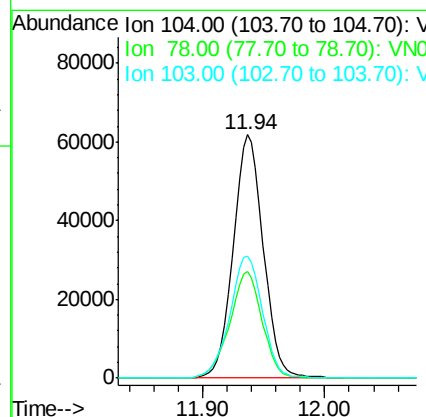
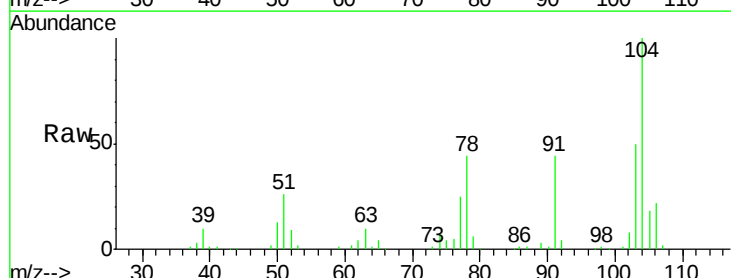
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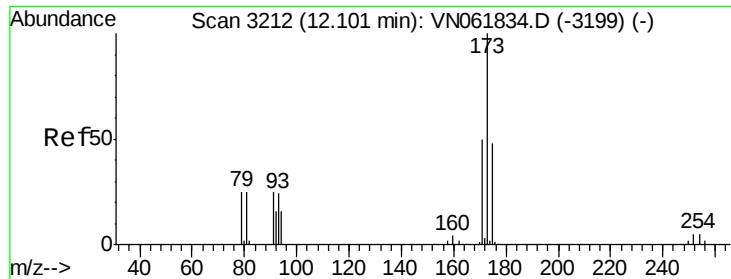
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#70
Styrene
Concen: 19.492 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion:104 Resp: 106138
Ion Ratio Lower Upper
104 100
78 47.3 37.6 56.4
103 54.6 43.0 64.4





#71

Bromoform

Concen: 19.559 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

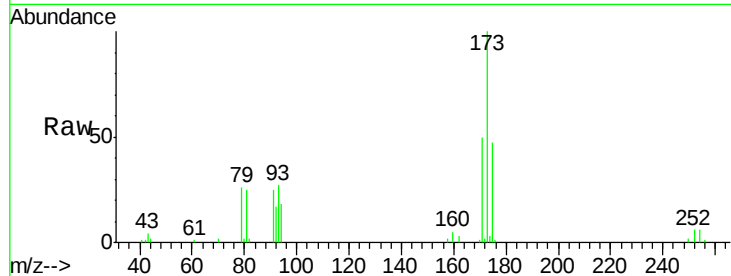
ClientSampleId :

VN0619WBSD01

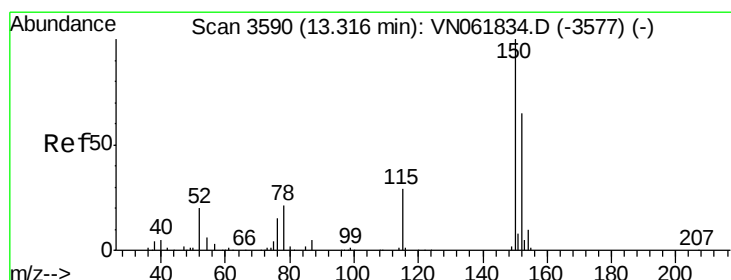
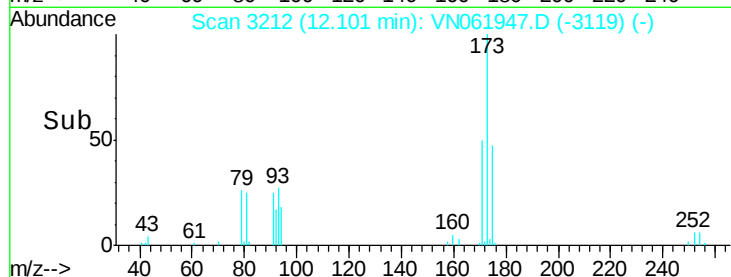
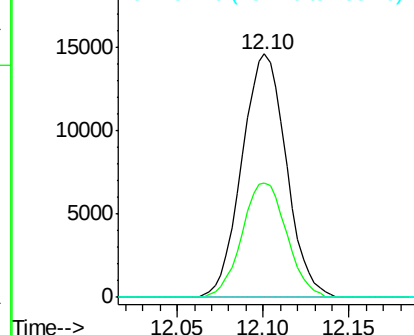
Tot Ion:173	Resp:	26221
Ion Ratio	Lower	Upper
173 100		
175 47.1	23.9	71.7
254 0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

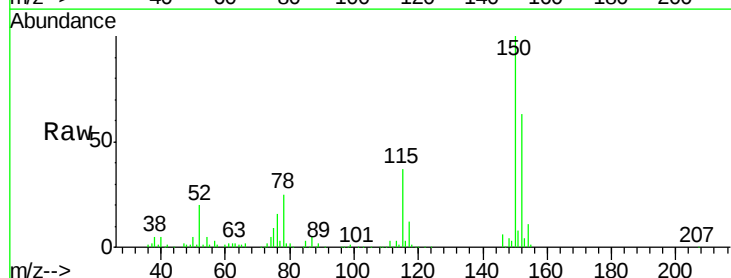
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

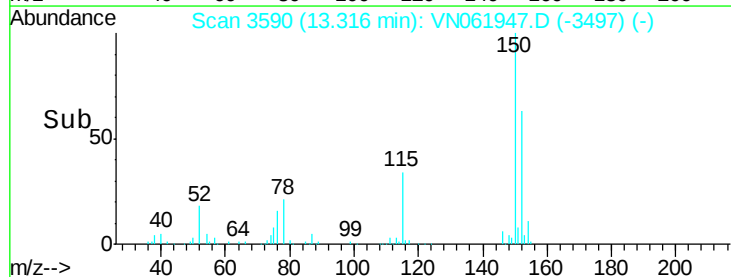
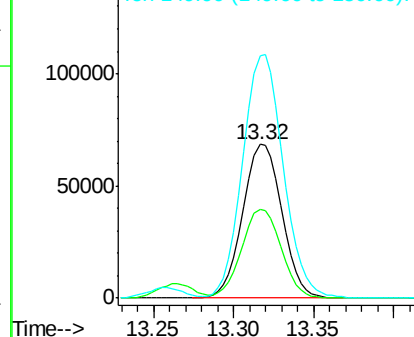
Lab File: VN061947.D

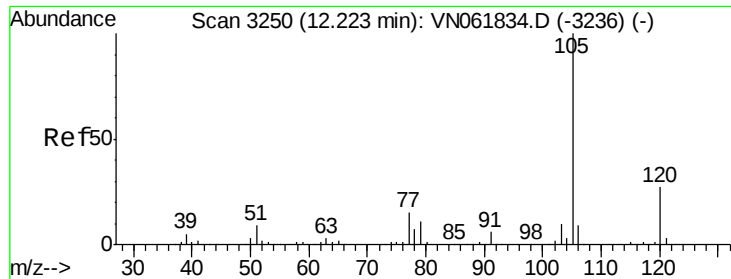
Acq: 19 Jun 2020 13:13

Tgt Ion:152	Resp:	114453
Ion Ratio	Lower	Upper
152 100		
115 58.5	29.1	87.3
150 164.4	0.0	347.6



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





#73

Isopropylbenzene

Concen: 20.547 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 105 Resp: 167113

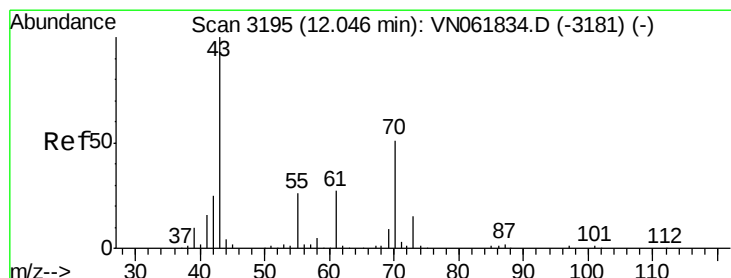
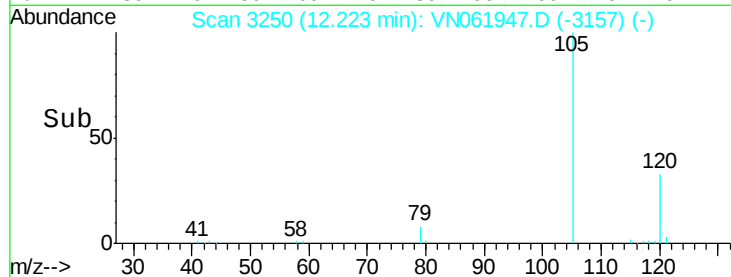
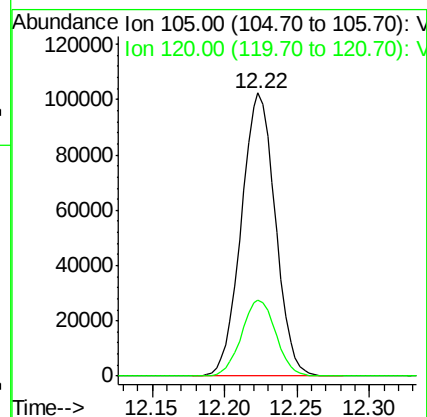
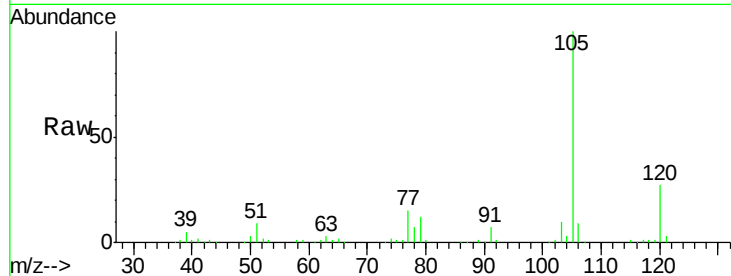
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.992 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Tgt Ion: 43 Resp: 53114

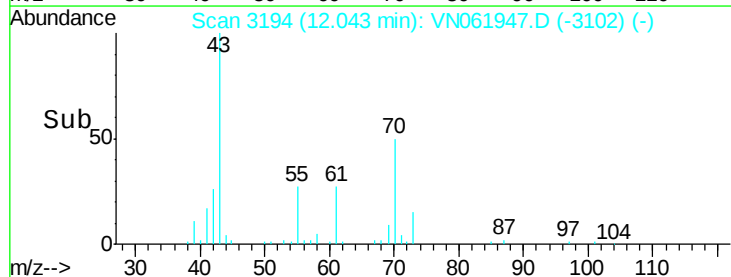
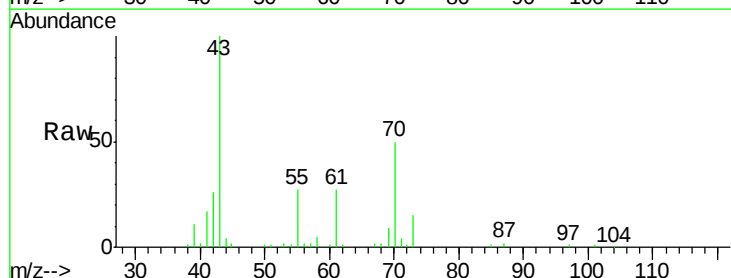
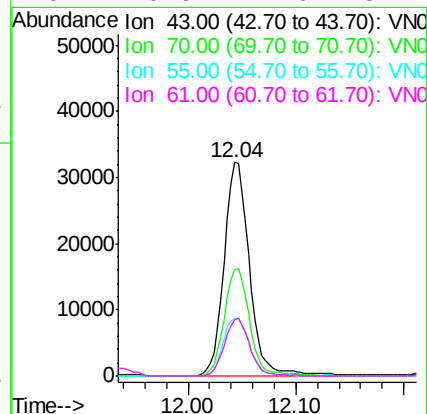
Ion Ratio Lower Upper

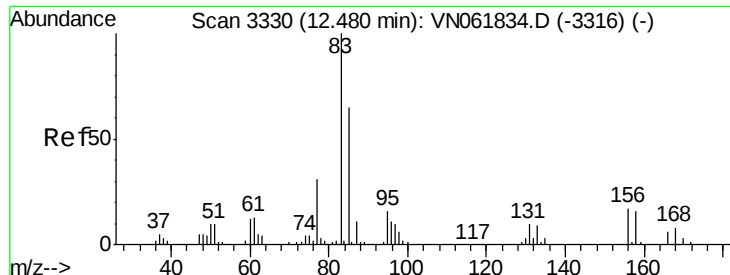
43 100

70 50.0 40.6 60.8

55 27.9 21.5 32.3

61 26.5 21.6 32.4





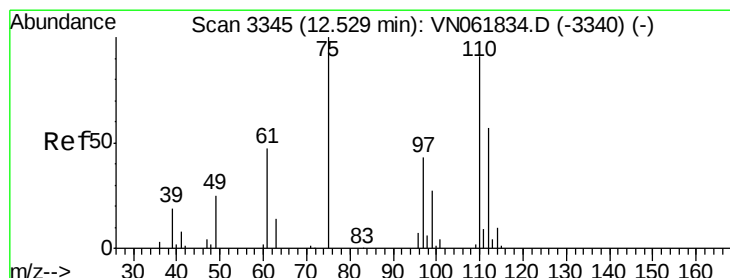
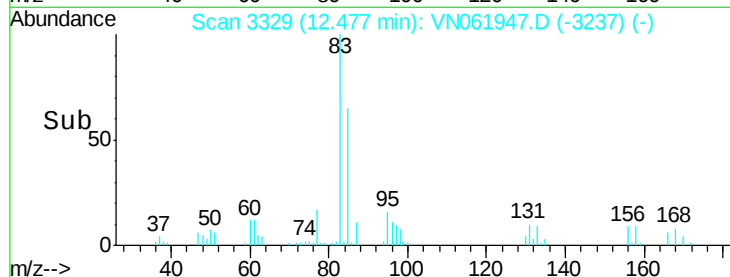
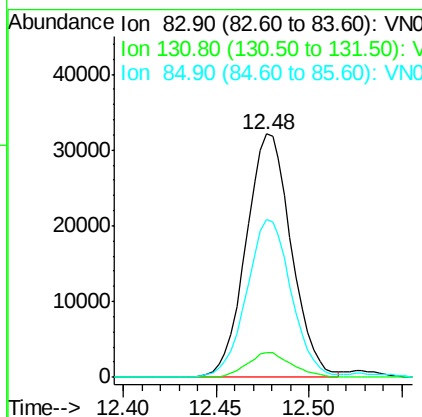
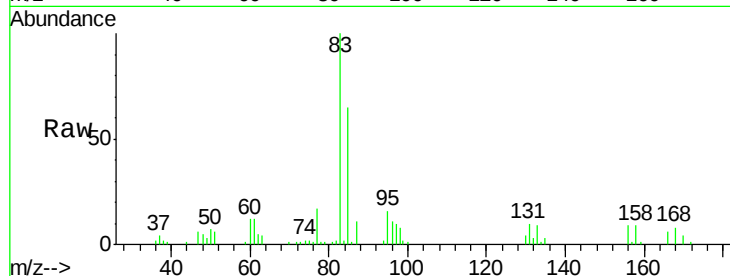
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.729 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	83	Resp	54814
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	63.8	32.4	97.2

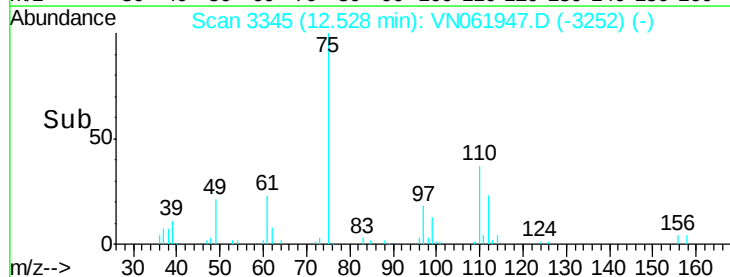
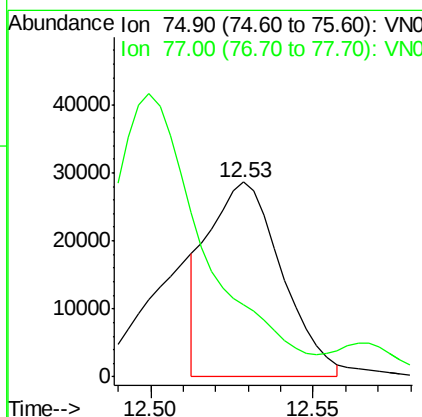
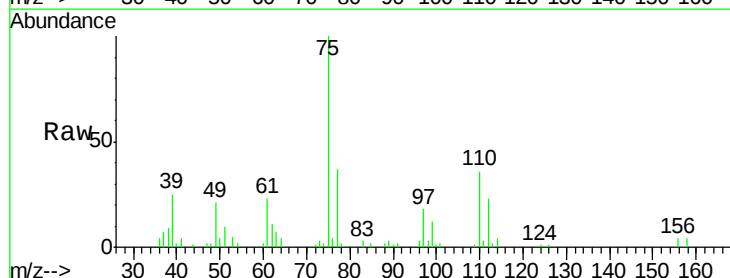
Manual Integrations
 APPROVED

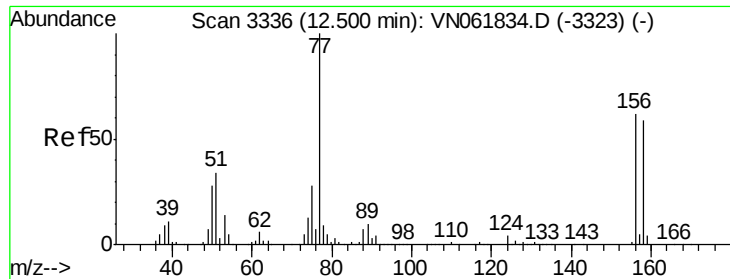
MMDadoda
 6/22/2020 1:25:18 PM



#76
 1,2,3-Trichloropropane
 Concen: 19.976 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	75	Resp	44887
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





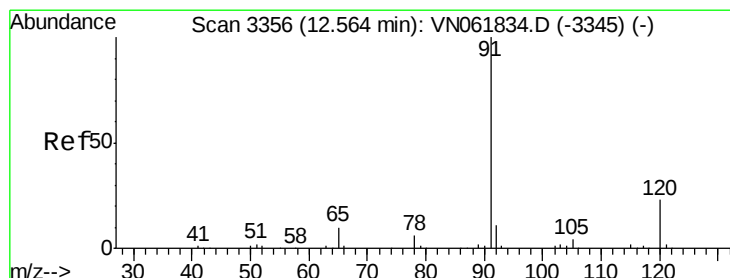
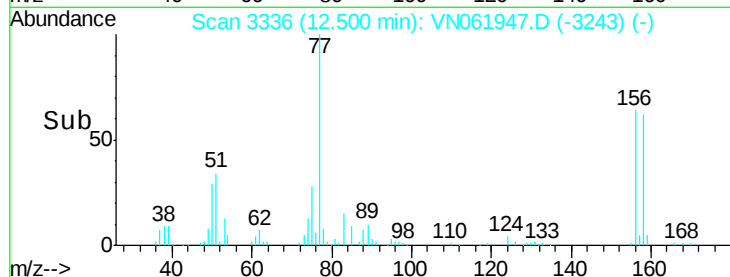
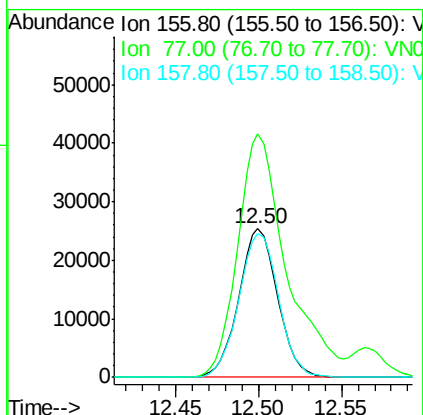
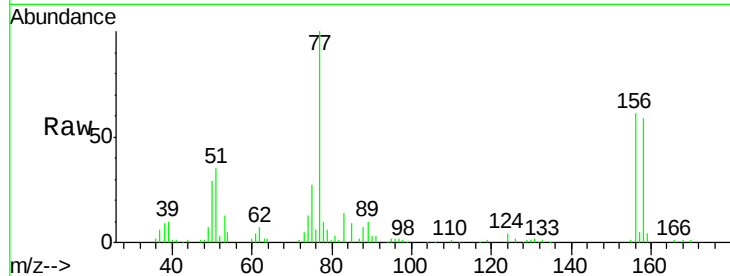
#77
Bromobenzene
Concen: 20.248 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	205.5	100.7	302.1
158	99.0	48.5	145.5

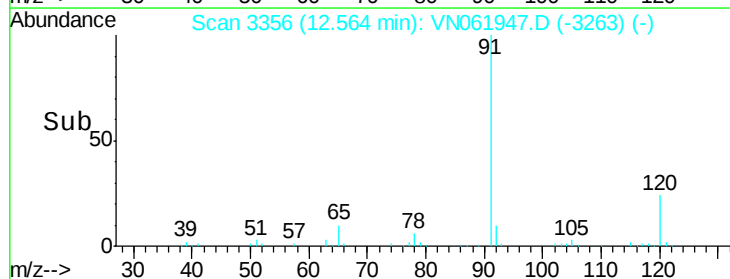
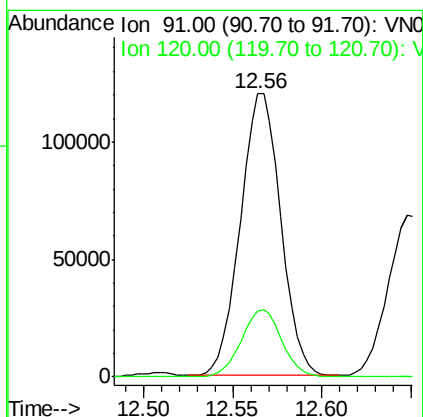
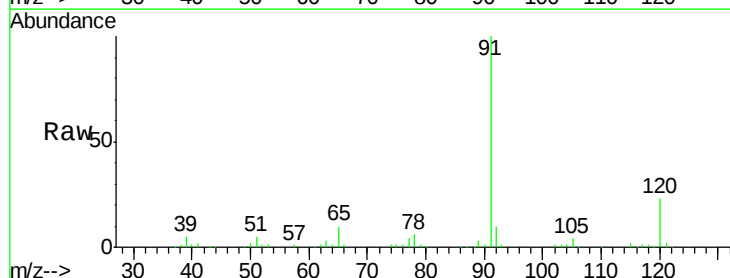
Manual Integrations
APPROVED

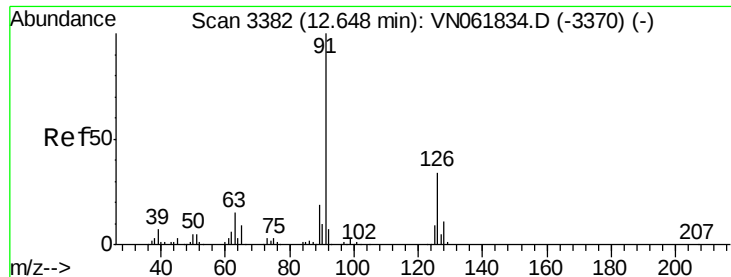
MMDadoda
6/22/2020 1:25:18 PM



#78
n-propylbenzene
Concen: 20.427 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.8





#79

2-Chlorotoluene

Concen: 20.261 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0619WBSD01

Tot Ion: 91 Resp: 112928

Ion Ratio Lower Upper

91 100

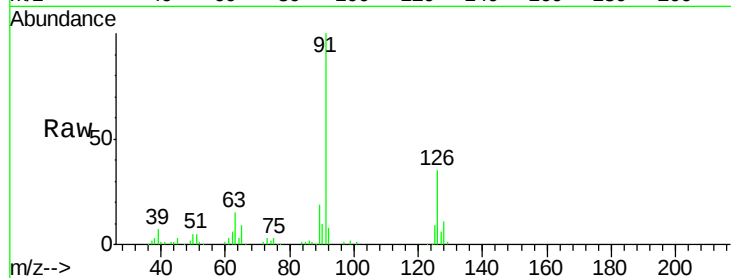
126 35.8 17.3 51.7

Manual Integrations

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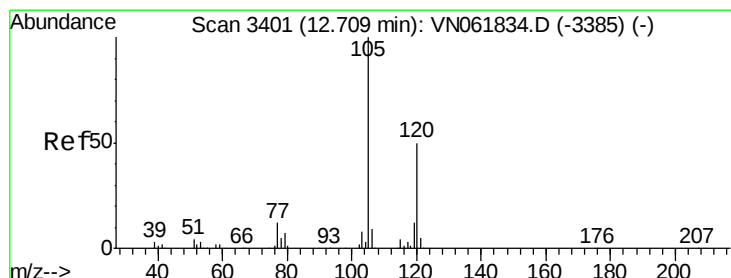
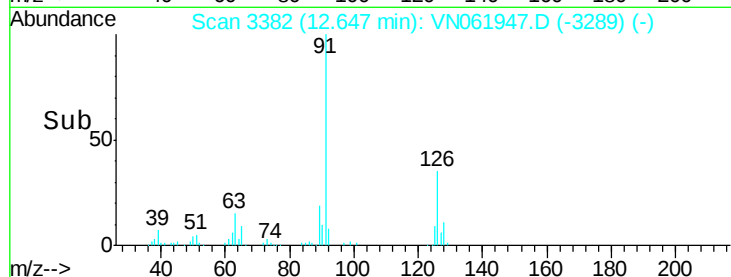
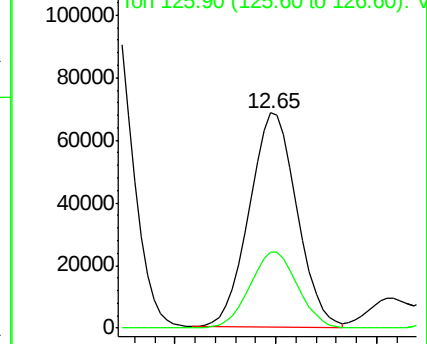
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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 20.713 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061947.D

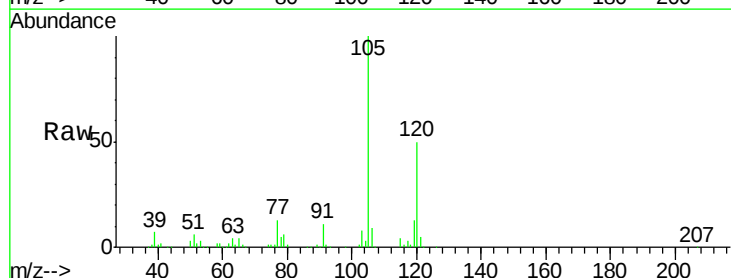
Acq: 19 Jun 2020 13:13

Tgt Ion: 105 Resp: 139375

Ion Ratio Lower Upper

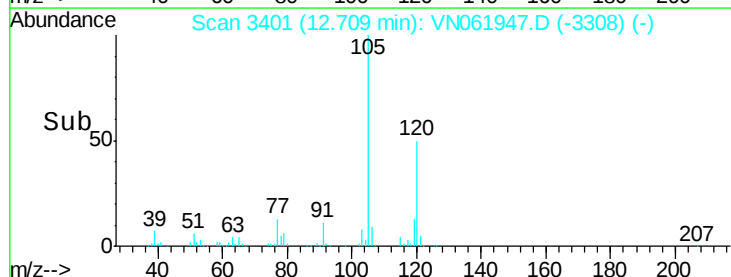
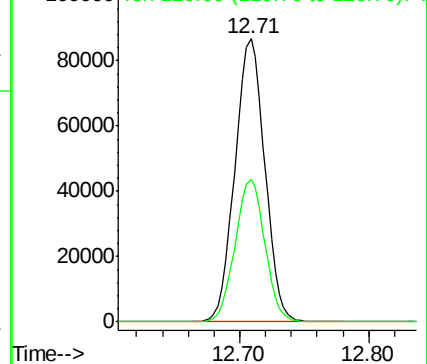
105 100

120 49.9 24.9 74.7



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.585 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Instrument :

MSVOA_N

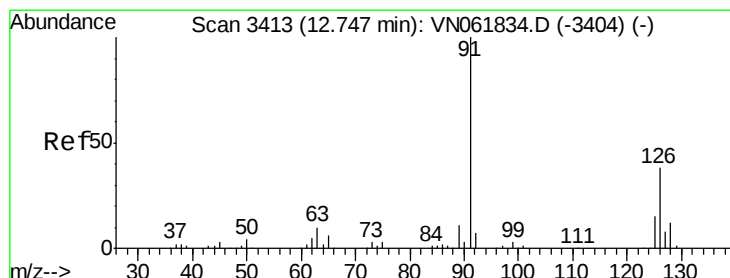
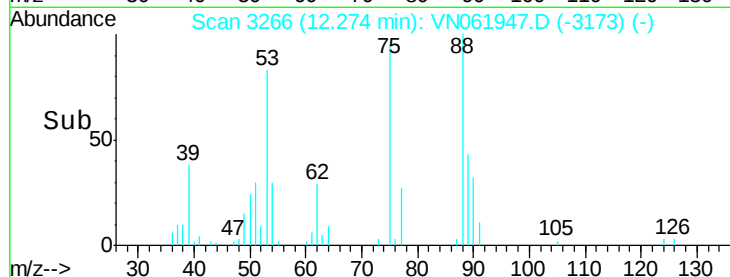
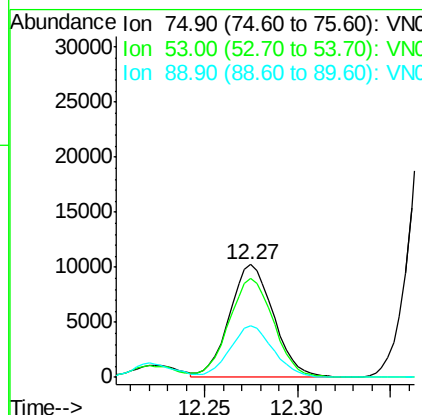
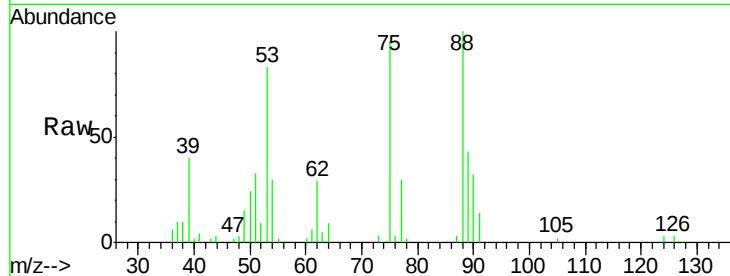
ClientSampleId :

VN0619WBSD01

Tot Ion:	75	Resp:	16959
Ion	Ratio	Lower	Upper
75	100		
53	88.6	70.4	105.6
89	44.6	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.162 ug/l

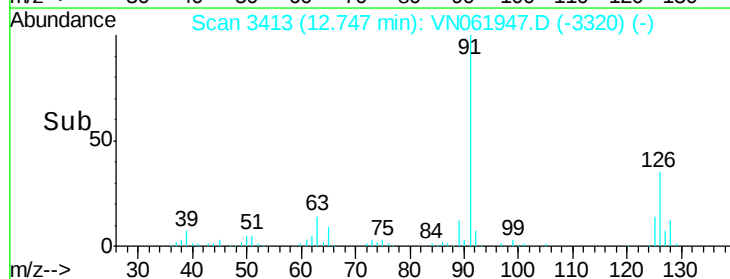
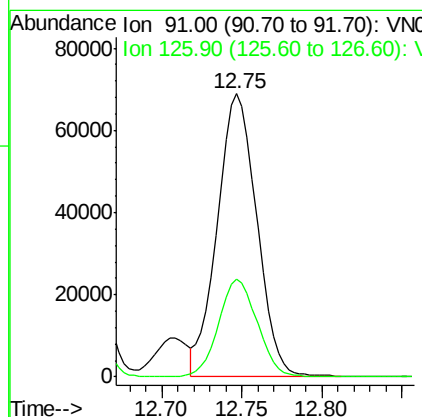
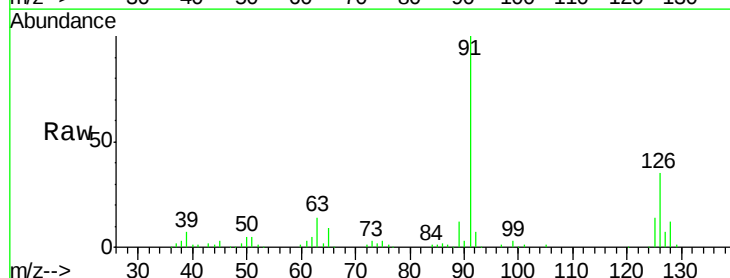
RT: 12.75 min Scan# 3413

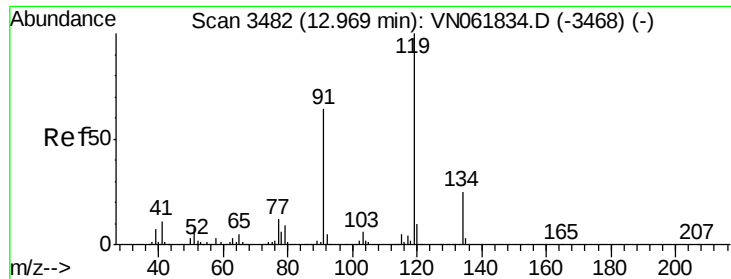
Delta R.T. -0.00 min

Lab File: VN061947.D

Acq: 19 Jun 2020 13:13

Tgt Ion:	91	Resp:	116120
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6





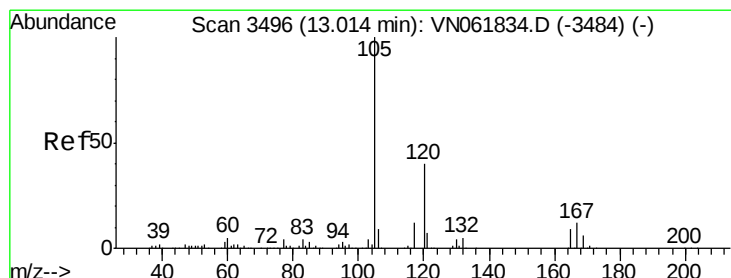
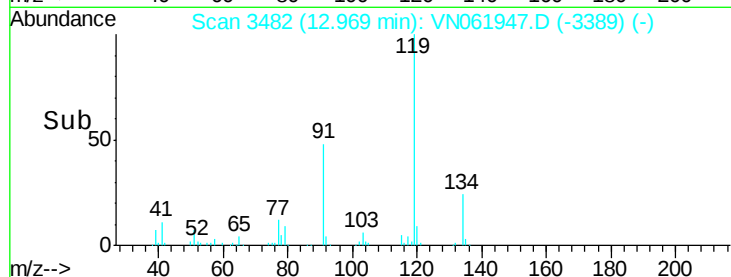
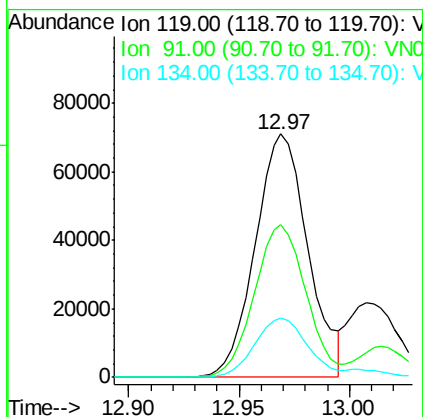
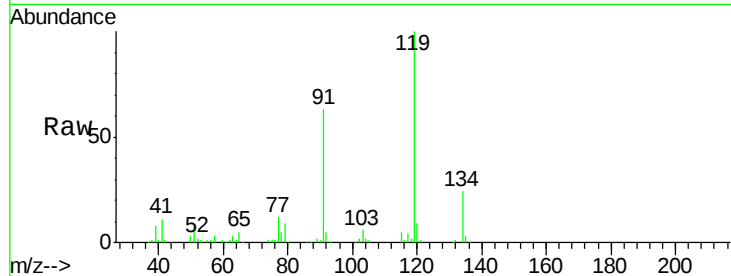
#83
tert-Butylbenzene
Concen: 20.580 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	117395		
91	62.0		31.5	94.5
134	24.7		13.3	39.9

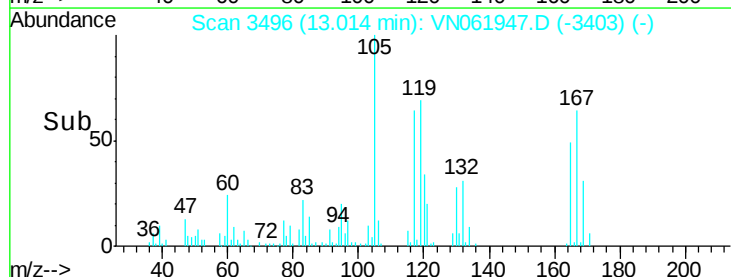
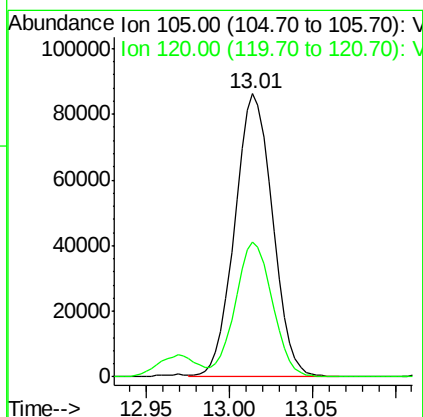
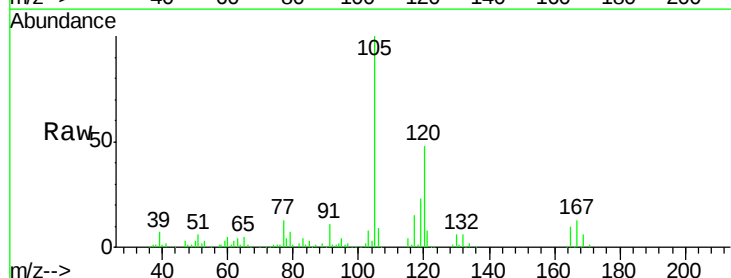
Manual Integrations
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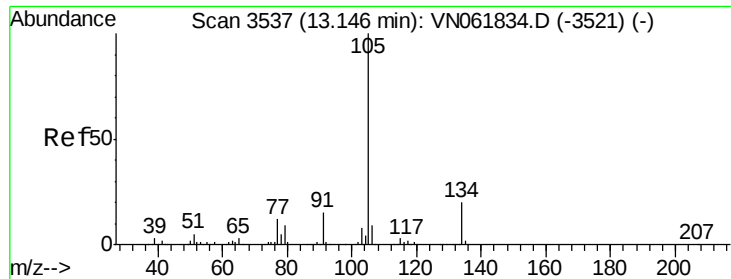
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#84
1,2,4-Trimethylbenzene
Concen: 20.480 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	136030		
120	47.5		23.3	69.9





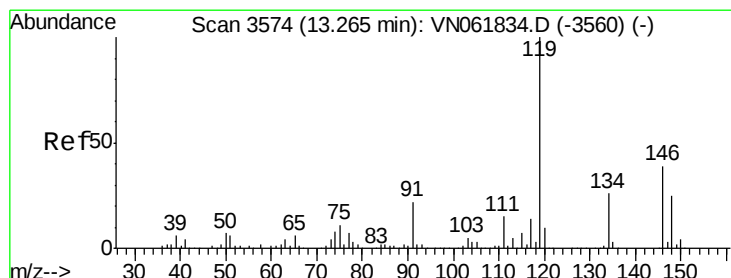
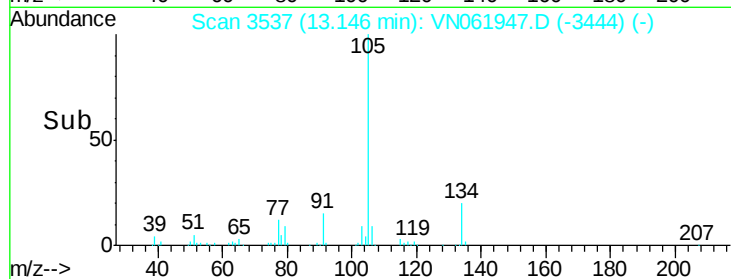
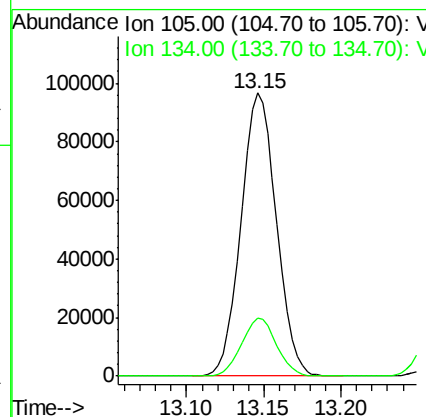
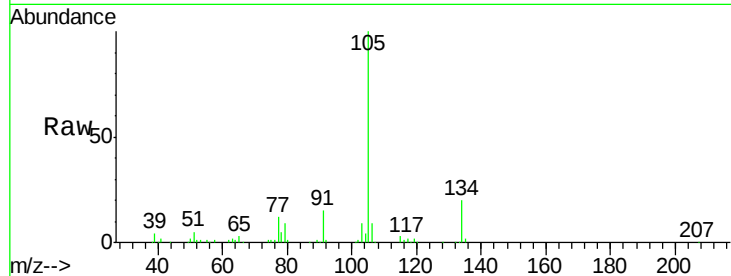
#85
 sec-Butylbenzene
 Concen: 20.523 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1

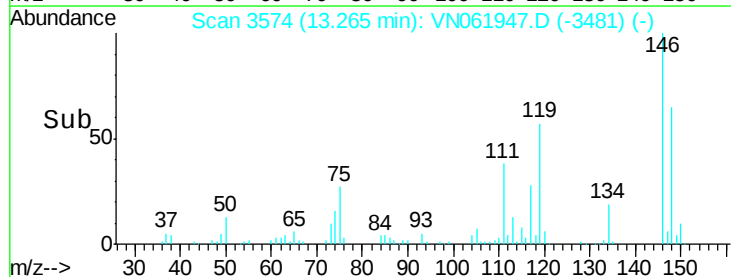
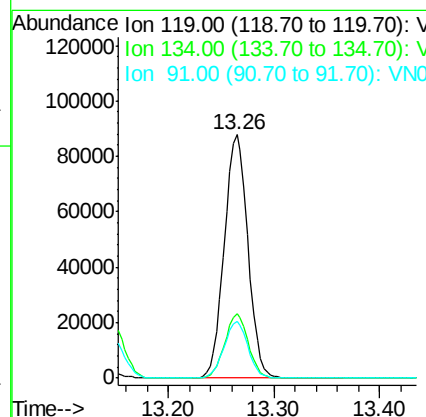
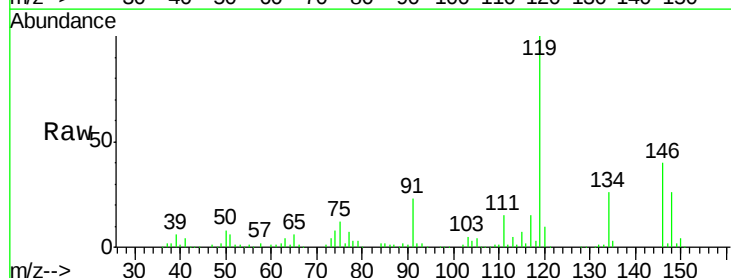
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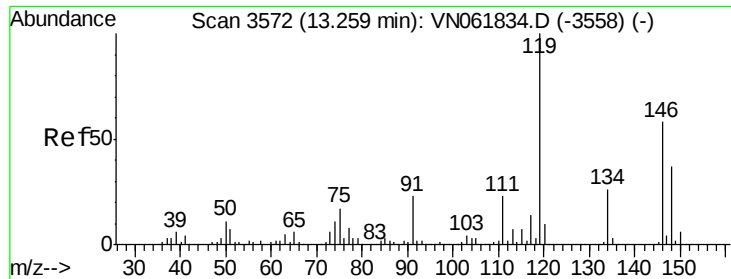
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#86
 p-Isopropyltoluene
 Concen: 20.486 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.3	39.9
91	23.7	11.2	33.6





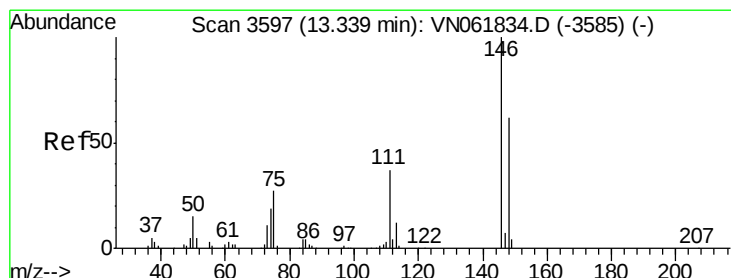
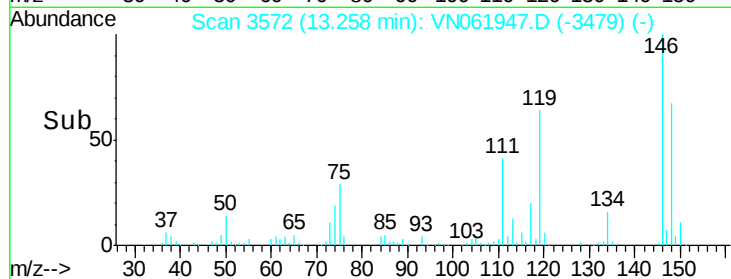
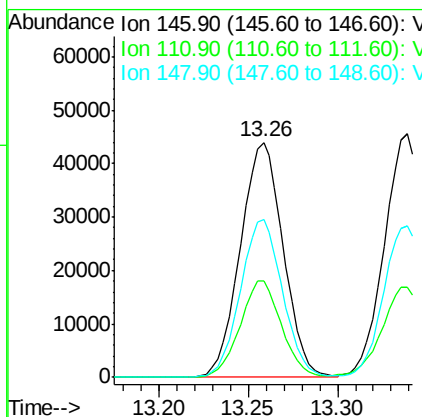
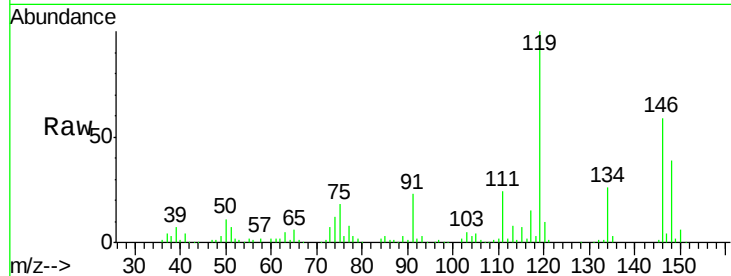
#87
 1,3-Dichlorobenzene
 Concen: 19.739 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.8
148	65.8	31.8	95.4

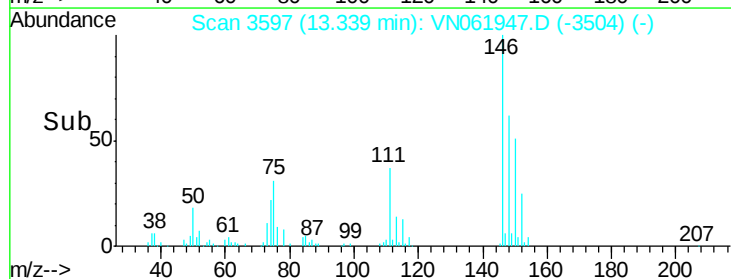
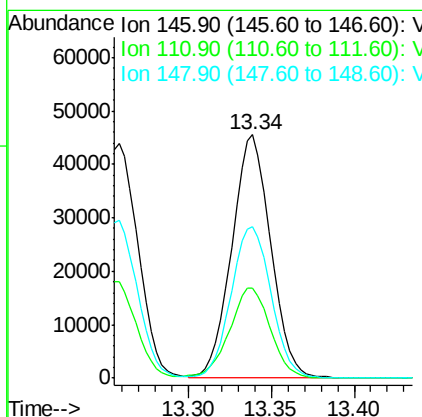
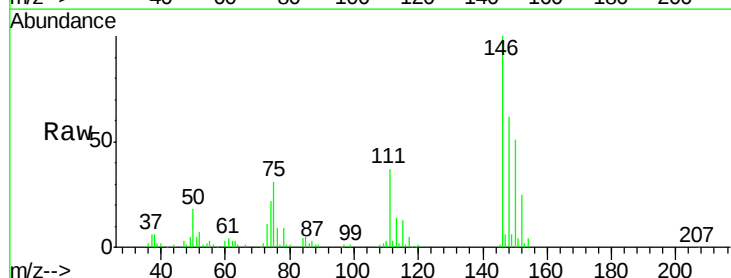
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.433 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.8
148	64.1	31.6	94.7





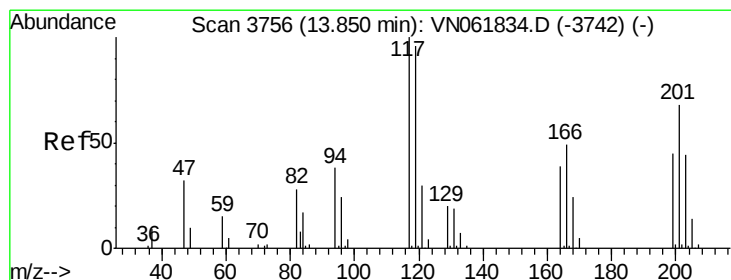
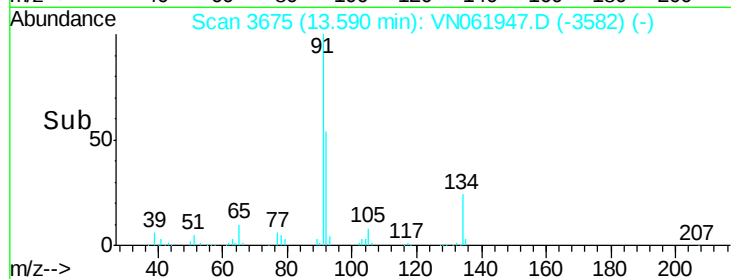
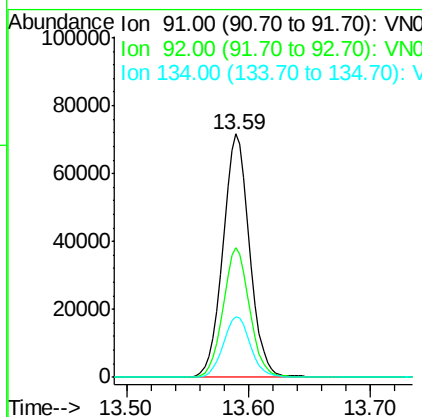
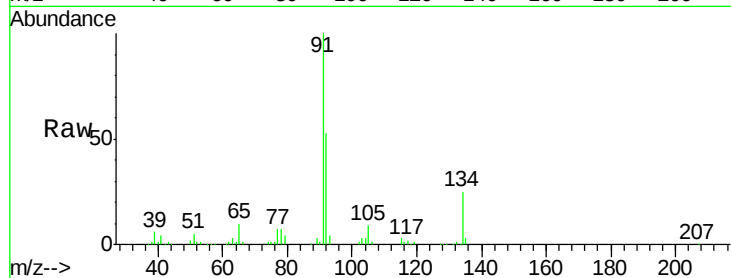
#89
n-Butylbenzene
Concen: 19.824 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		110148		
92	52.9	27.0	80.8		
134	25.3	13.0	39.0		

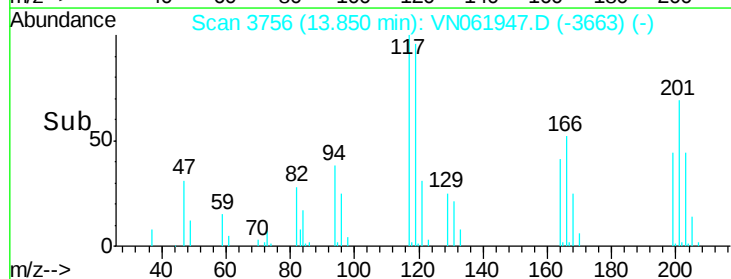
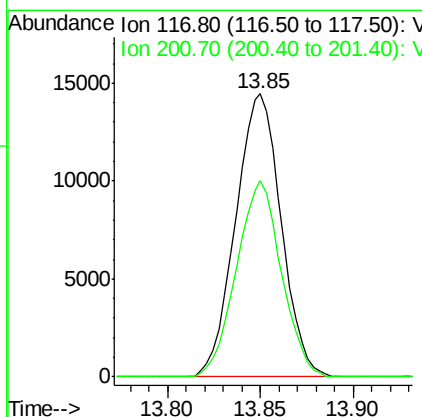
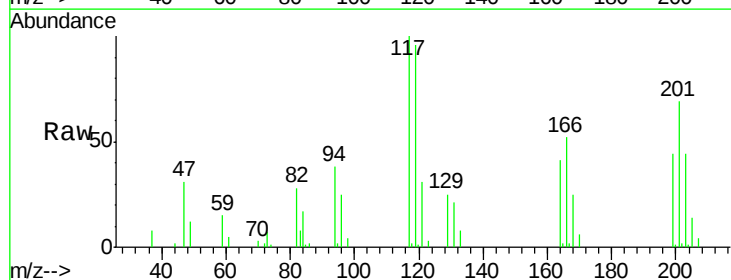
Manual Integrations
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#90
Hexachloroethane
Concen: 20.249 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		24661		
201	68.4	34.6	103.8		





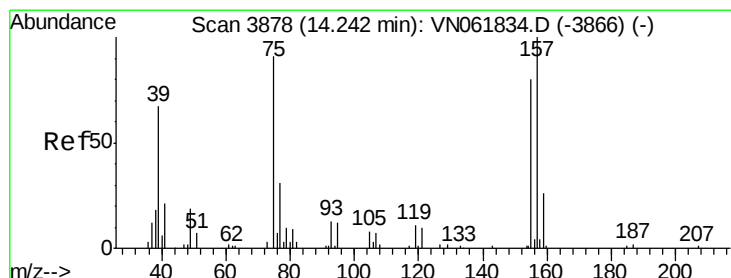
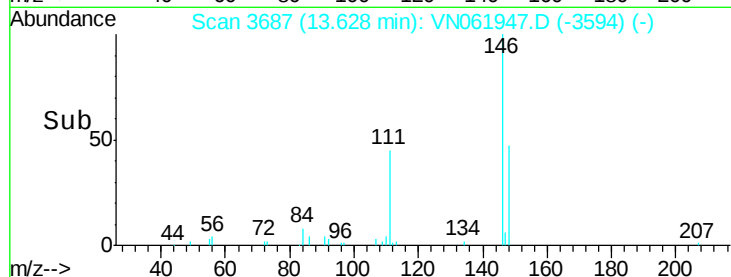
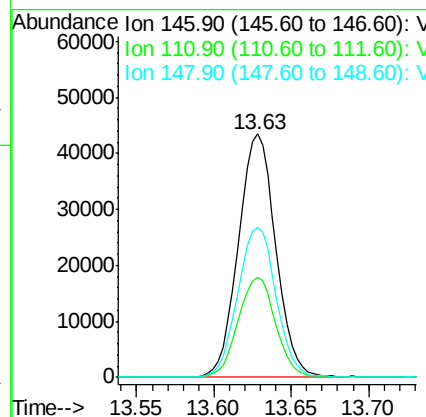
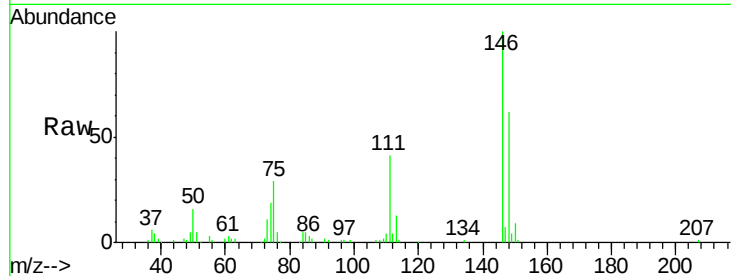
#91
 1,2-Dichlorobenzene
 Concen: 20.191 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.2
148	63.6	31.8	95.4

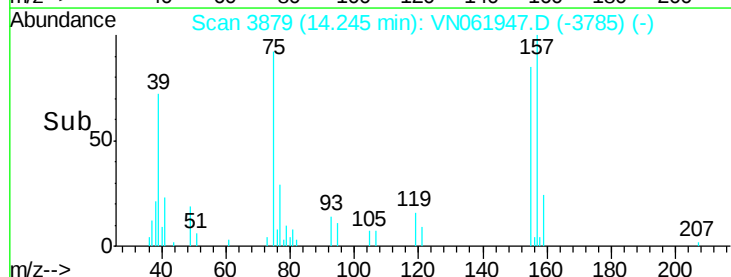
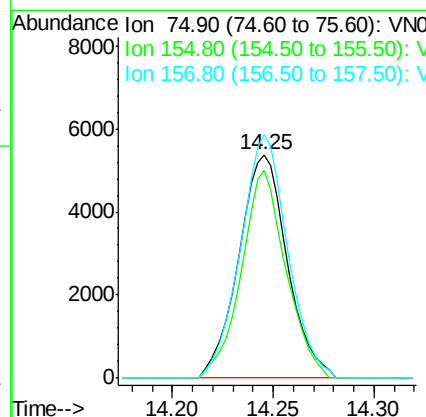
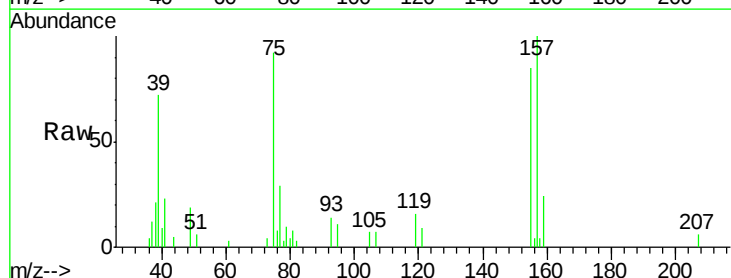
Manual Integrations
 APPROVED

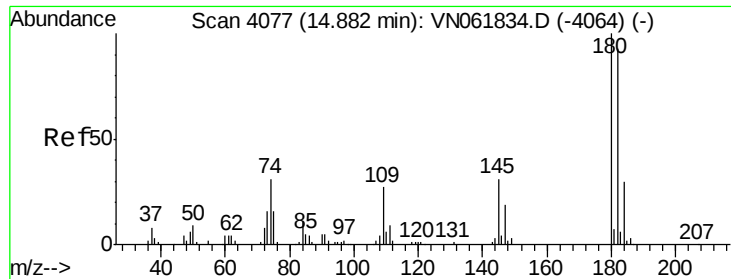
MMDadoda
 6/22/2020 1:25:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.075 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	44.4	133.2
157	105.9	57.0	171.2





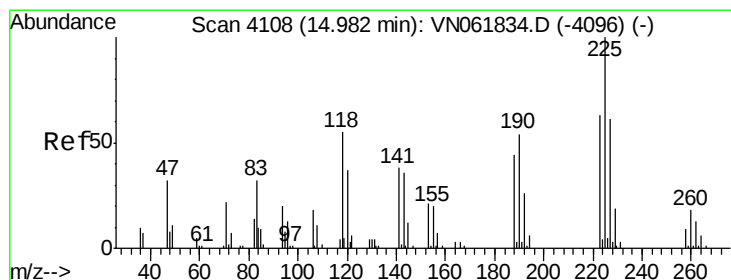
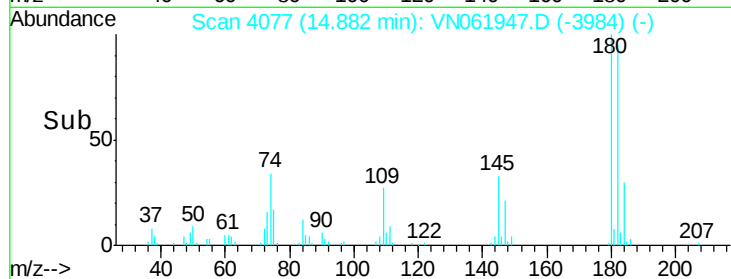
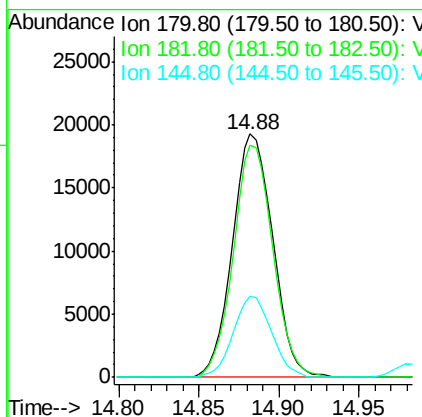
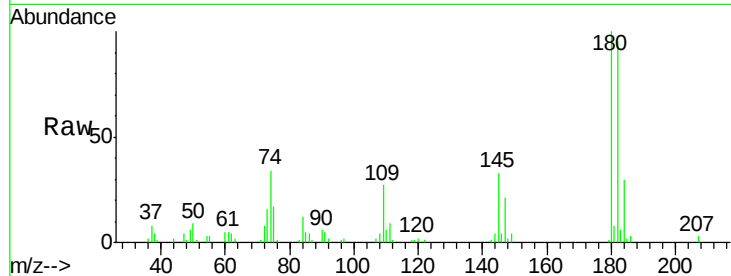
#93
 1,2,4-Trichlorobenzene
 Concen: 19.438 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.2
145	31.6	15.8	47.3

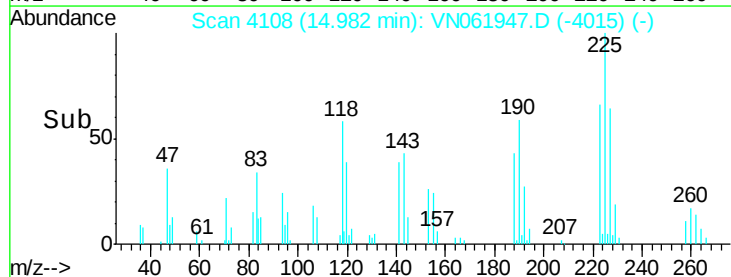
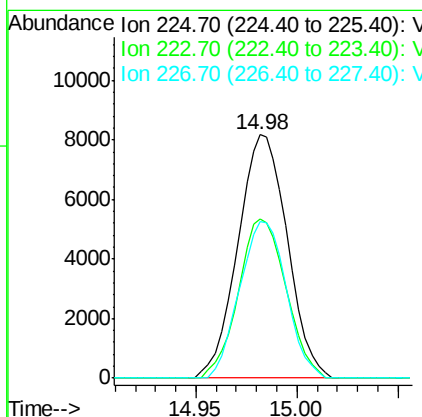
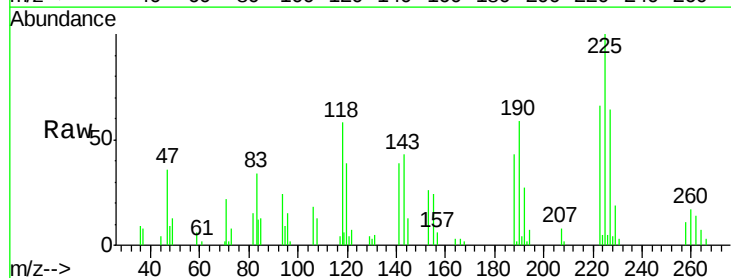
Manual Integrations
 APPROVED

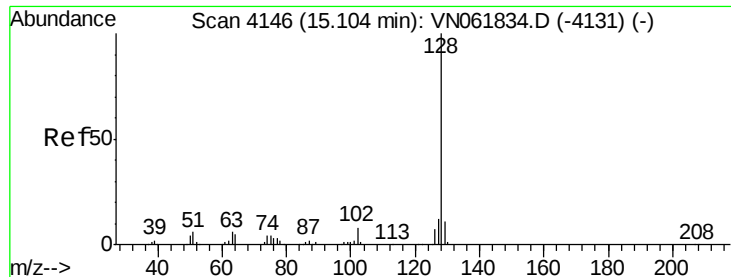
MMDadoda
 6/22/2020 1:25:18 PM



#94
 Hexachlorobutadiene
 Concen: 20.900 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061947.D
 Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.7	95.1
227	60.9	30.1	90.3





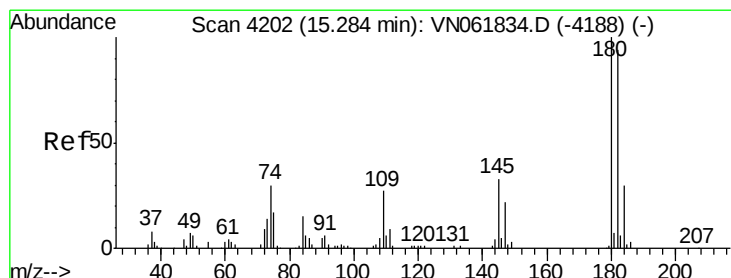
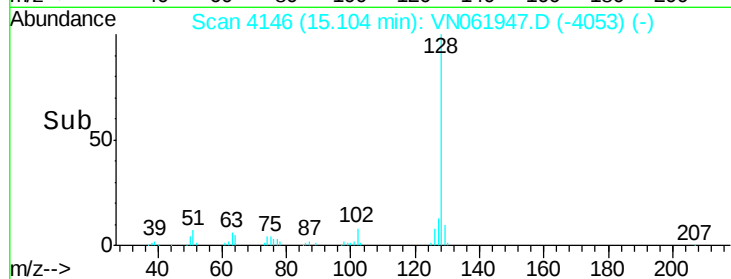
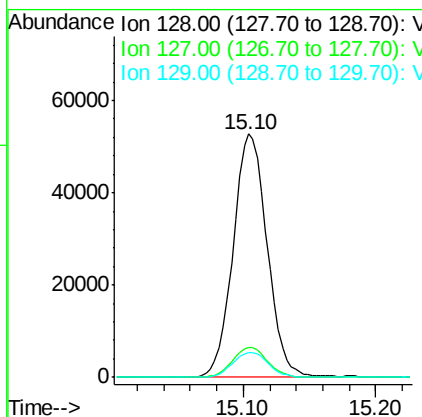
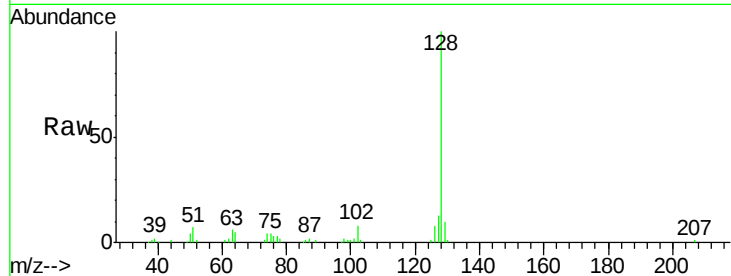
#95
Naphthalene
Concen: 18.825 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/22/2020 1:25:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.779 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061947.D
Acq: 19 Jun 2020 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.9	143.6
145	34.7	16.5	49.5

