

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN061996.D
 Acq On : 22 Jun 2020 13:53
 Operator : JC/MD
 Sample : VN0622MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622MBS01

Manual Integrations
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 6/23/2020 12:47:58 PM

Quant Time: Jun 23 05:34:43 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	165998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	285923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	264162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123856	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	111613	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
35) Dibromofluoromethane	7.55	113	91152	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.06	98	351607	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.37	95	118367	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	39757	18.591	ug/l	97
3) Chloromethane	2.03	50	40858	17.732	ug/l	100
4) Vinyl Chloride	2.16	62	49499	18.020	ug/l	99
5) Bromomethane	2.53	94	37042	17.561	ug/l	99
6) Chloroethane	2.67	64	34964	18.808	ug/l	97
7) Trichlorofluoromethane	2.98	101	64040	19.518	ug/l	97
8) Diethyl Ether	3.37	74	23162	20.998	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	33853	20.111	ug/l	99
10) Methyl Iodide	3.91	142	39181	22.554	ug/l	100
11) Tert butyl alcohol	4.73	59	36045	117.002	ug/l	99
12) 1,1-Dichloroethene	3.70	96	32615	19.338	ug/l	98
13) Acrolein	3.56	56	19343	105.053	ug/l	98
14) Allyl chloride	4.27	41	46803	20.908	ug/l	98
15) Acrylonitrile	4.93	53	88896	116.455	ug/l	99
16) Acetone	3.77	43	72273	109.904	ug/l	100
17) Carbon Disulfide	4.00	76	77635	15.731	ug/l	99
18) Methyl Acetate	4.28	43	42633	22.518	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	120613	21.478	ug/l	97
20) Methylene Chloride	4.50	84	40804	19.045	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	36336	18.756	ug/l	97
22) Diisopropyl ether	5.90	45	109283	21.346	ug/l	99
23) Vinyl Acetate	5.84	43	428362	106.384	ug/l	97
24) 1,1-Dichloroethane	5.80	63	68584	20.465	ug/l	99
25) 2-Butanone	6.78	43	110037	114.688	ug/l	100
26) 2,2-Dichloropropane	6.78	77	57127	20.261	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	43566	19.490	ug/l	97
28) Bromochloromethane	7.15	49	32681	21.901	ug/l	93
29) Tetrahydrofuran	7.17	42	71615	113.420	ug/l	98
30) Chloroform	7.33	83	71732	20.027	ug/l	97
31) Cyclohexane	7.61	56	51075	17.409	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	59373	19.465	ug/l	99
36) 1,1-Dichloropropene	7.75	75	49605	19.021	ug/l	98
37) Ethyl Acetate	6.88	43	47426	23.288	ug/l	99
38) Carbon Tetrachloride	7.73	117	49312	19.094	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	50629	18.029	ug/l	95
40) Benzene	8.00	78	159090	20.138	ug/l	96
41) Methacrylonitrile	7.13	41	19488m	22.378	ug/l	
42) 1,2-Dichloroethane	8.09	62	56599	21.012	ug/l	98
43) Isopropyl Acetate	8.12	43	76539	22.301	ug/l	99
44) Trichloroethene	8.80	130	40159	19.316	ug/l	99
45) 1,2-Dichloropropane	9.08	63	42050	21.659	ug/l	96
46) Dibromomethane	9.18	93	28480	20.832	ug/l	98
47) Bromodichloromethane	9.37	83	58680	20.961	ug/l	100
48) Methyl methacrylate	9.17	41	34413	22.049	ug/l	93
49) 1,4-Dioxane	9.17	88	16166	451.142	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	232238	114.509	ug/l	99
52) Toluene	10.12	92	101068	20.371	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	62180	20.923	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	66872	20.717	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	43328	22.196	ug/l	99
56) Ethyl methacrylate	10.40	69	54982	20.272	ug/l	96
57) 1,3-Dichloropropane	10.68	76	70616	21.353	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	108228	105.051	ug/l	99
59) 2-Hexanone	10.72	43	164164	109.291	ug/l	99
60) Dibromochloromethane	10.87	129	45314	20.803	ug/l	100
61) 1,2-Dibromoethane	10.98	107	42288	20.746	ug/l	100
64) Tetrachloroethene	10.60	164	34041	20.218	ug/l	96
65) Chlorobenzene	11.41	112	110831	19.883	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	40266	20.713	ug/l	97
67) Ethyl Benzene	11.48	91	187314	20.043	ug/l	99
68) m/p-Xylenes	11.60	106	145016	40.241	ug/l	100
69) o-Xylene	11.92	106	69273	20.147	ug/l	98
70) Styrene	11.94	104	115159	20.002	ug/l	99
71) Bromoform	12.10	173	29553	20.849	ug/l #	99
73) Isopropylbenzene	12.22	105	180021	20.454	ug/l	100
74) N-amyl acetate	12.05	43	61048	21.044	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	63060	22.037	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	55521m	22.833	ug/l	
77) Bromobenzene	12.50	156	46337	20.868	ug/l	98
78) n-propylbenzene	12.57	91	207214	20.633	ug/l	100
79) 2-Chlorotoluene	12.65	91	125899	20.873	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	150451	20.662	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	19451	21.817	ug/l	98
82) 4-Chlorotoluene	12.75	91	128288	20.584	ug/l	99
83) tert-Butylbenzene	12.97	119	129446	20.969	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	151781	21.116	ug/l	99
85) sec-Butylbenzene	13.15	105	167647	20.749	ug/l	100
86) p-Isopropyltoluene	13.26	119	151240	21.006	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	81742	20.184	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	81677	19.703	ug/l	99
89) n-Butylbenzene	13.59	91	115084	19.140	ug/l	98
90) Hexachloroethane	13.85	117	27896	21.166	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	80345	20.608	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10497	22.596	ug/l	91

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0622MBS01

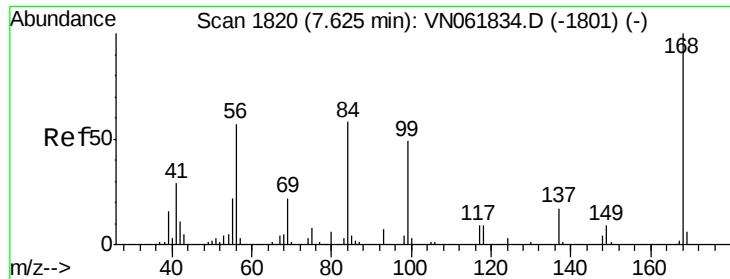
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	35285	19.179	ug/l	98
94) Hexachlorobutadiene	14.99	225	15916	21.965	ug/l	98
95) Naphthalene	15.10	128	99898	18.568	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	35260	19.352	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0622MBS01

Tot Ion:168 Resp: 165998

Ion Ratio Lower Upper

168 100

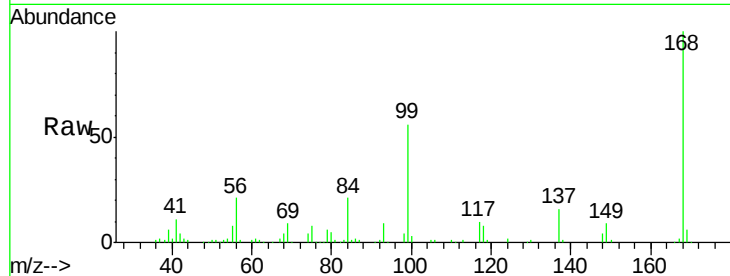
99 56.2 44.6 67.0

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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

80000

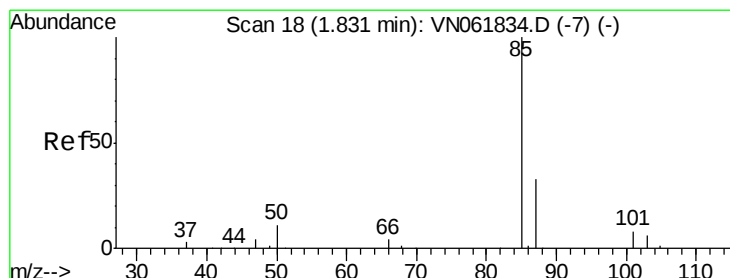
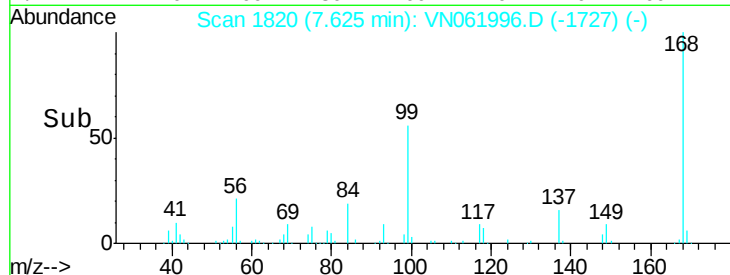
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.591 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061996.D

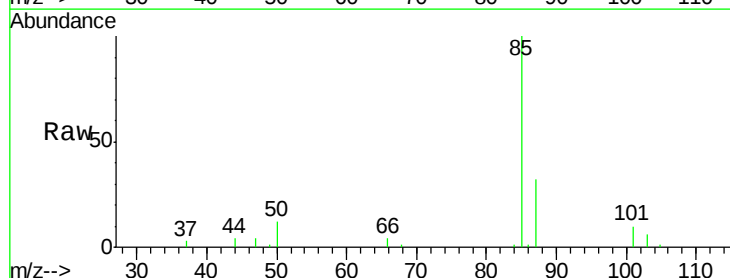
Acq: 22 Jun 2020 13:53

Tgt Ion: 85 Resp: 39757

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

25000

20000

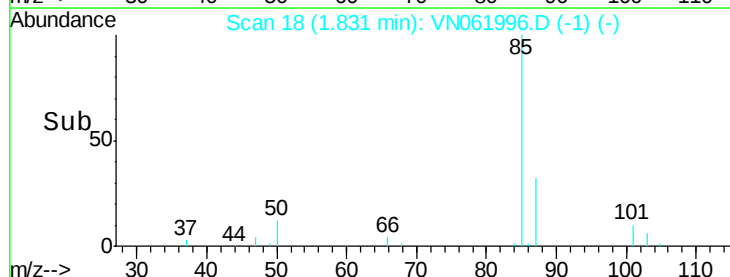
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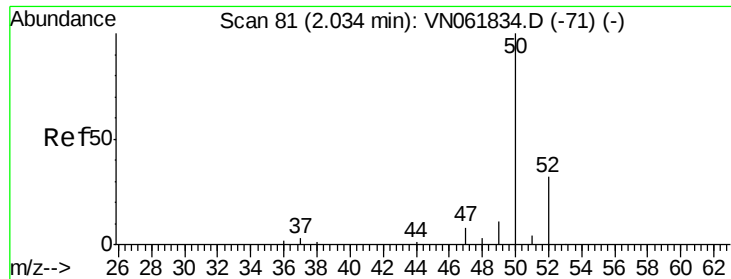
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Time-->





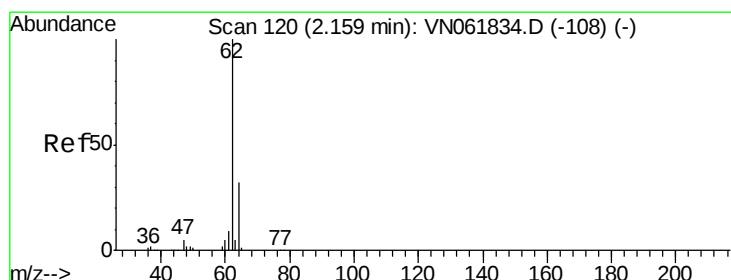
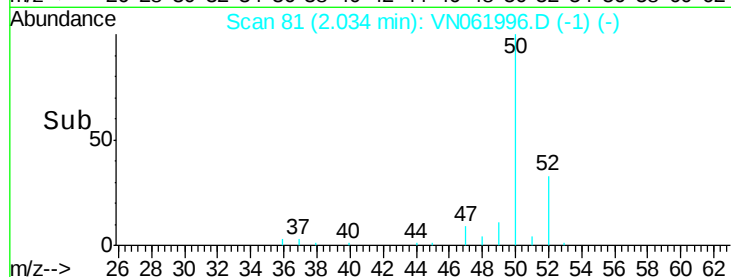
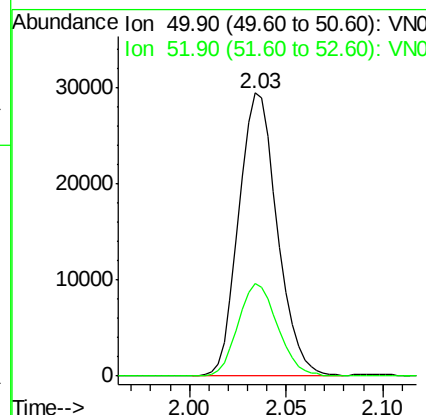
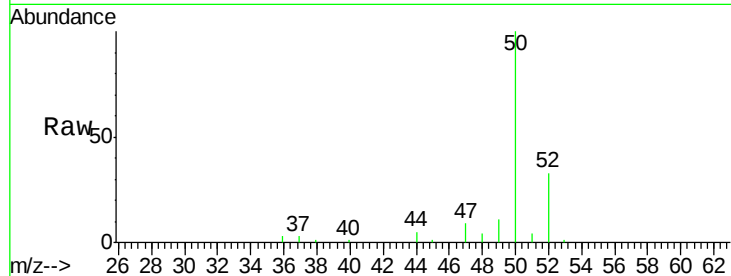
#3
Chloromethane
Concen: 17.732 ug/l
RT: 2.03 min Scan# 81
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.0	39.0

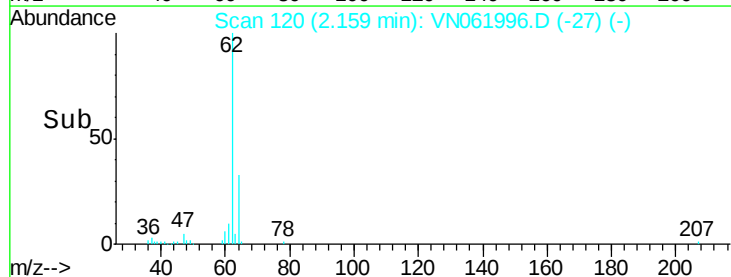
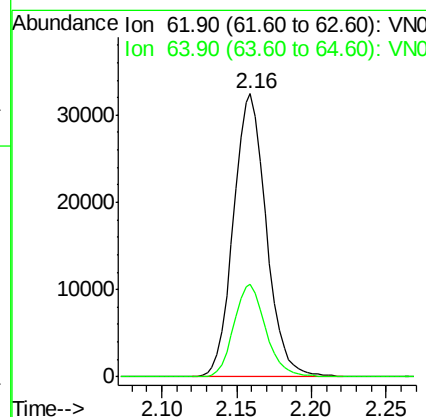
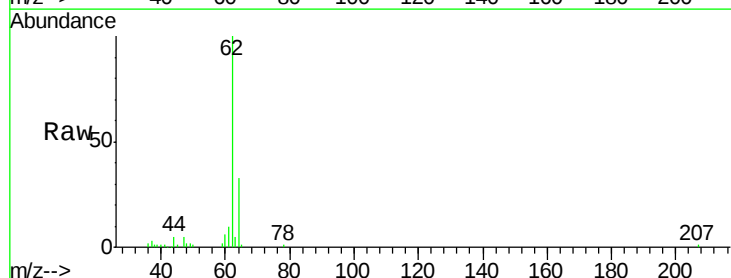
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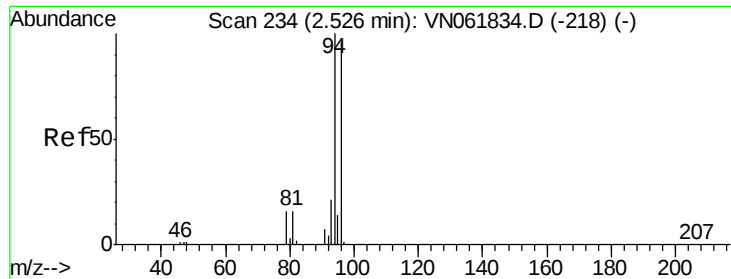
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#4
Vinyl Chloride
Concen: 18.020 ug/l
RT: 2.16 min Scan# 120
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.5	38.3





#5

Bromomethane

Concen: 17.561 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0622MBS01

Tot Ion: 94 Resp: 37042

Ion Ratio Lower Upper

94 100

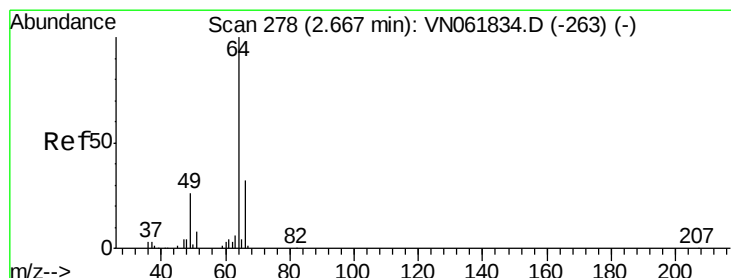
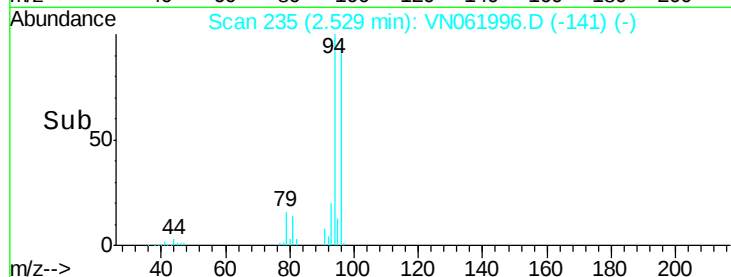
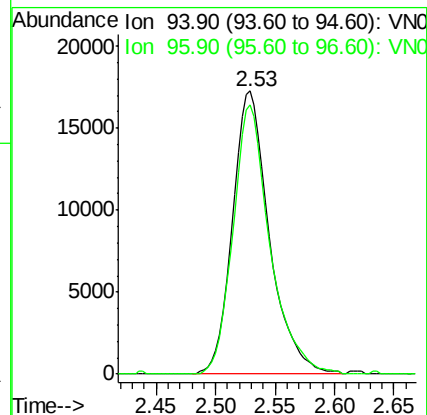
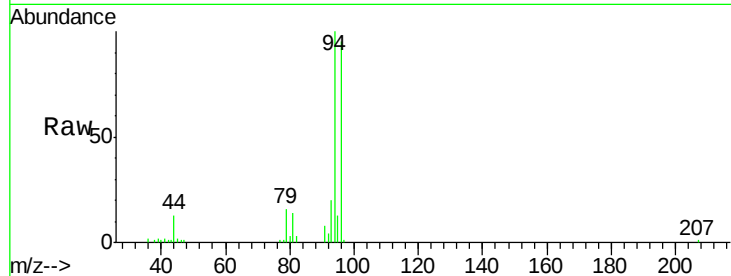
96 95.3 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 18.808 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061996.D

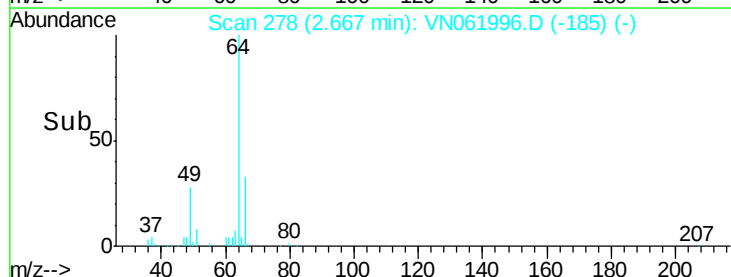
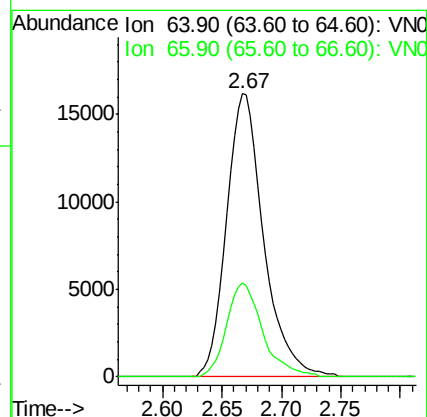
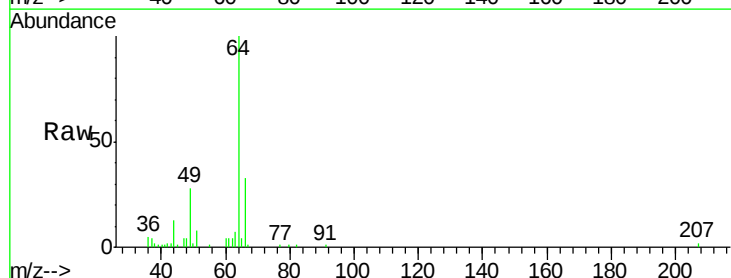
Acq: 22 Jun 2020 13:53

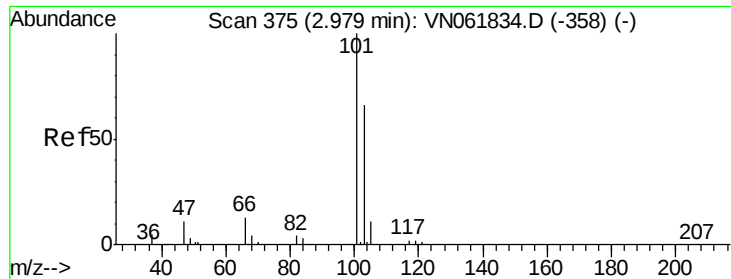
Tgt Ion: 64 Resp: 34964

Ion Ratio Lower Upper

64 100

66 33.3 25.4 38.2





#7

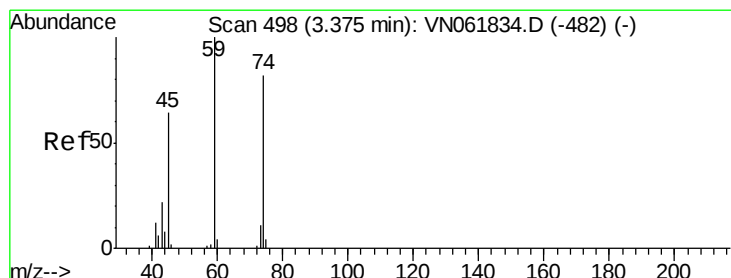
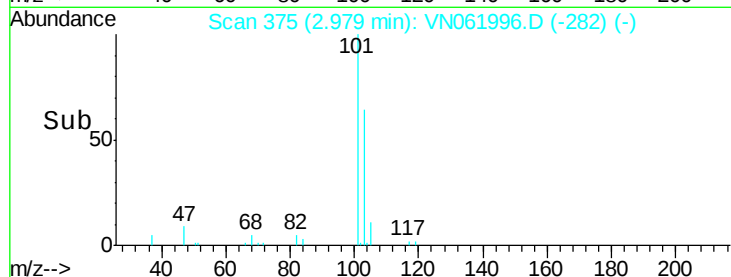
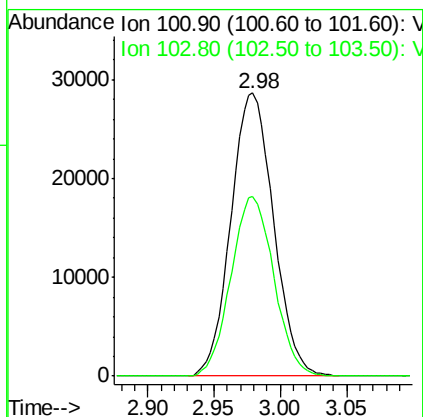
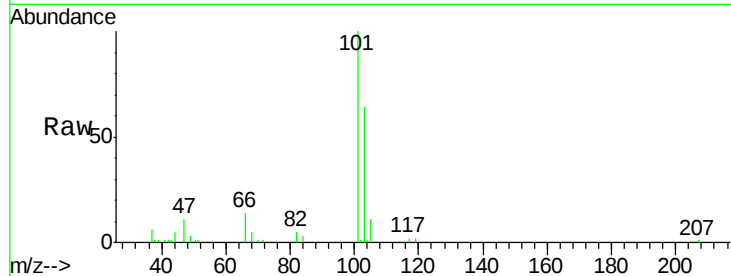
Trichlorofluoromethane
 Concen: 19.518 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

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 ClientSampleId :
 VN0622MBS01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	63.5	52.8	79.2	

Manual Integrations
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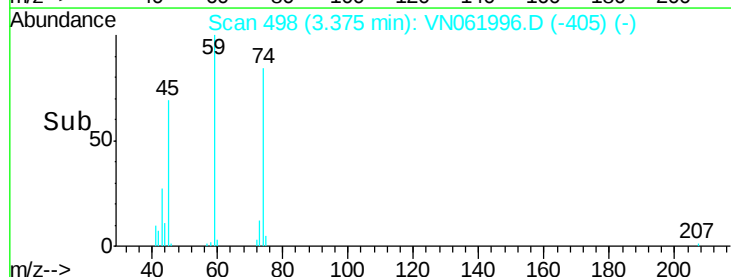
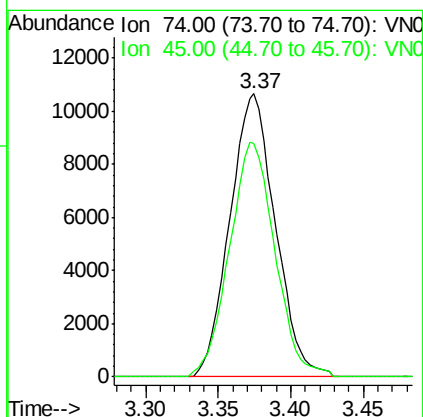
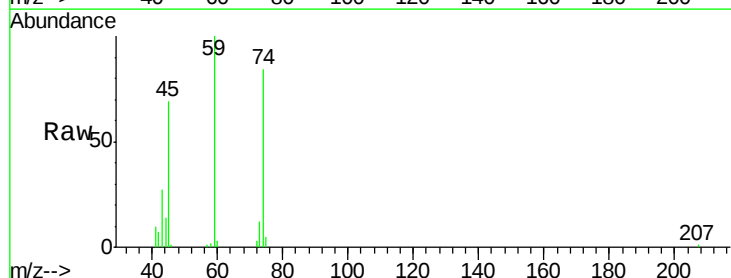
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 6/23/2020 12:47:58 PM

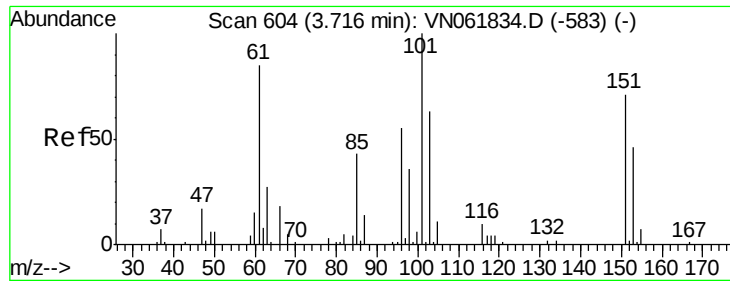


#8

Diethyl Ether
 Concen: 20.998 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	83.1	39.1	117.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.111 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

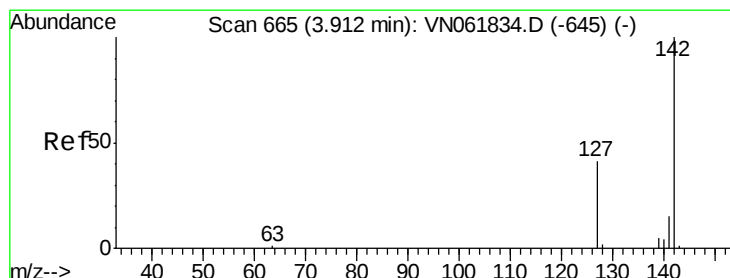
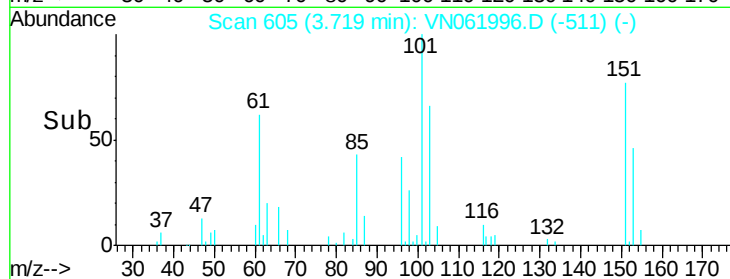
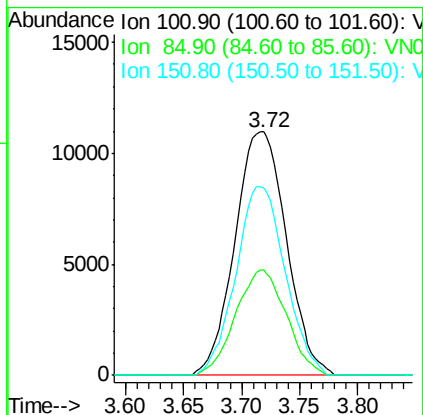
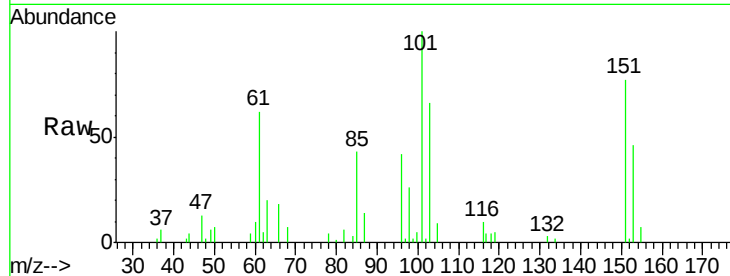
ClientSampleId :

VN0622MBS01

Tot Ion:	101	Resp:	33853
Ion Ratio	Lower	Upper	
101	100		
85	42.5	35.0	52.6
151	74.5	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 22.554 ug/l

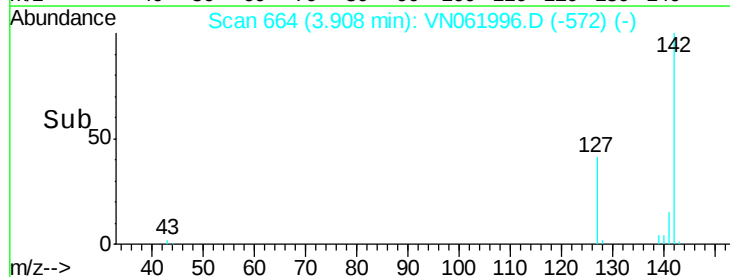
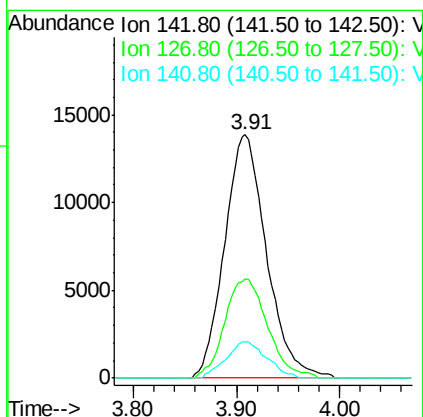
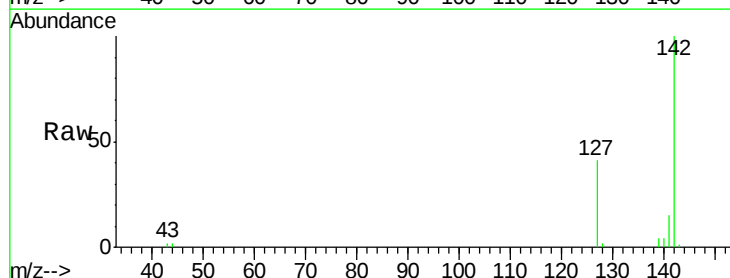
RT: 3.91 min Scan# 664

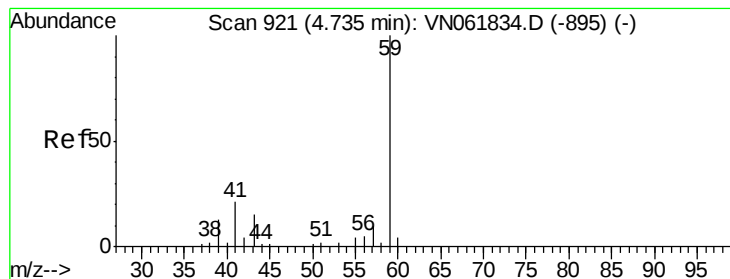
Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Tgt Ion:	142	Resp:	39181
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.4	50.0
141	14.6	11.3	16.9





#11

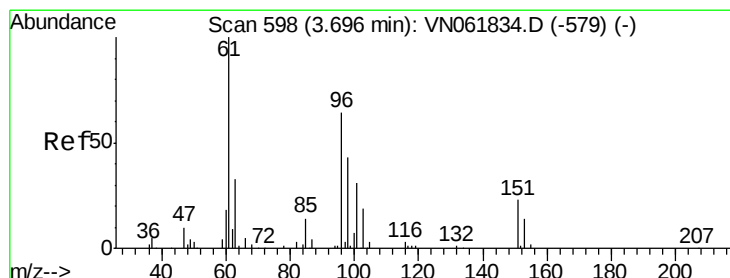
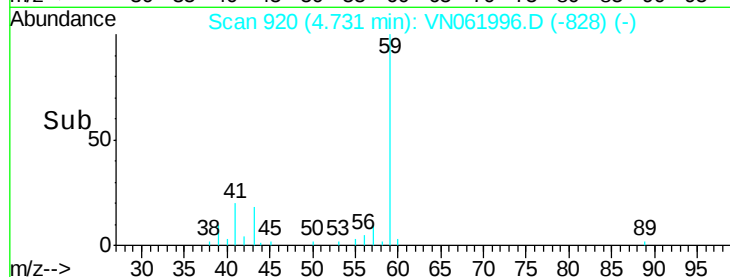
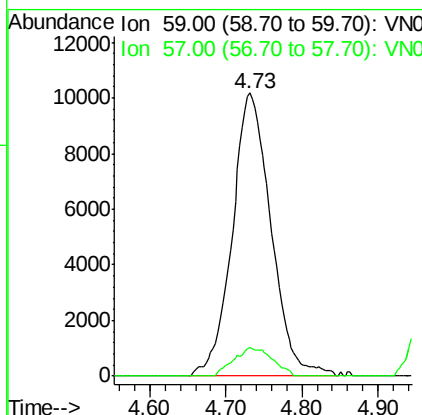
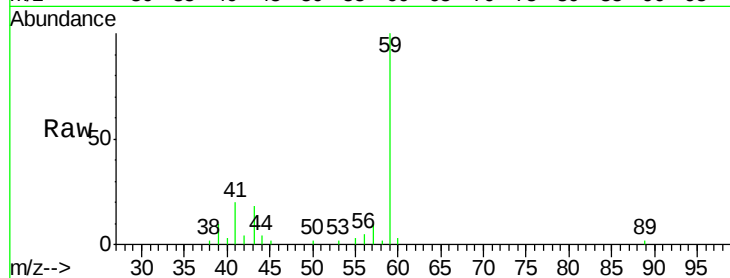
Tert butyl alcohol
 Concen: 117.002 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.7	11.5

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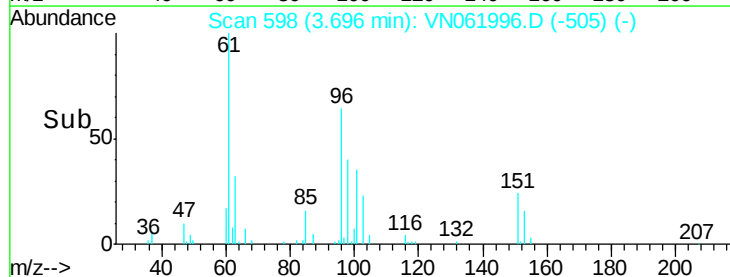
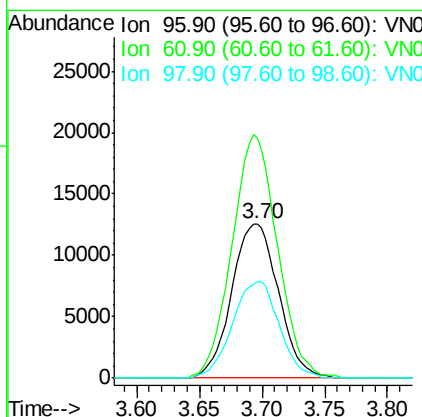
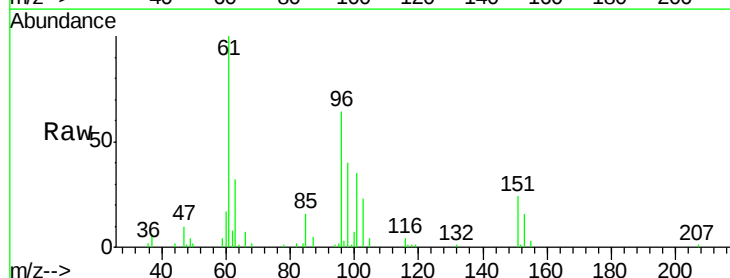
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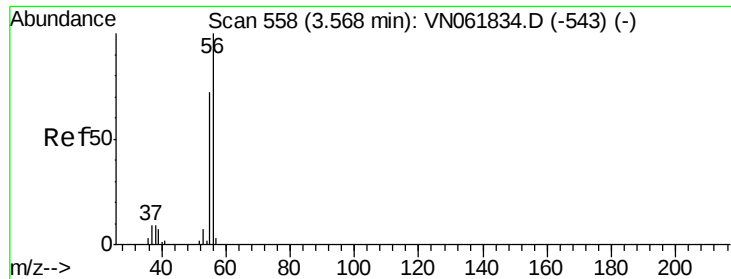


#12

1,1-Dichloroethene
 Concen: 19.338 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	124.3	186.5
98	62.4	53.1	79.7





#13

Acrolein

Concen: 105.053 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0622MBS01

Tot Ion: 56 Resp: 19343

Ion Ratio Lower Upper

56 100

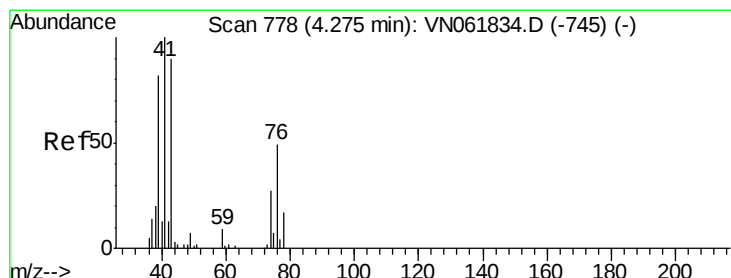
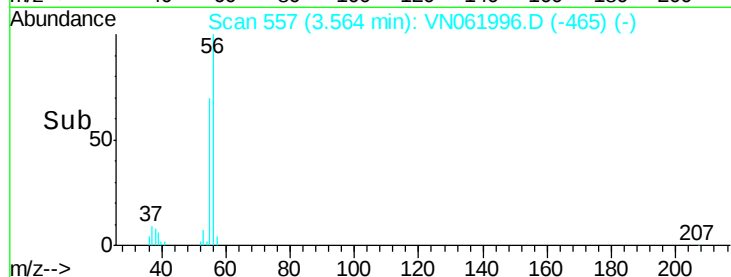
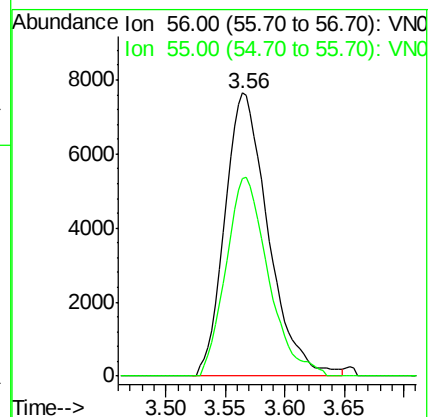
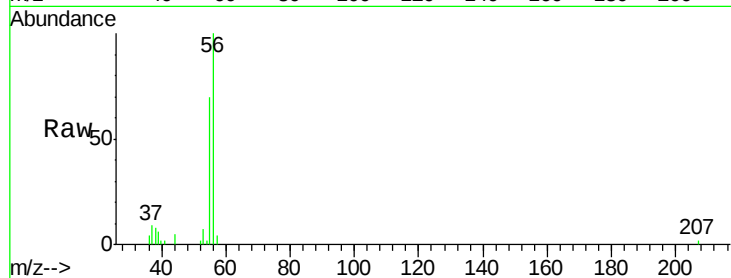
55 68.4 56.2 84.4

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6/23/2020 12:47:58 PM



#14

Allyl chloride

Concen: 20.908 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

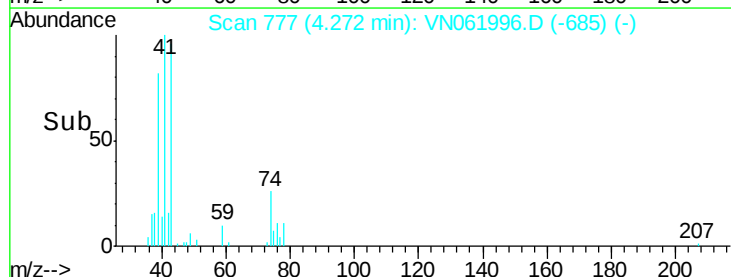
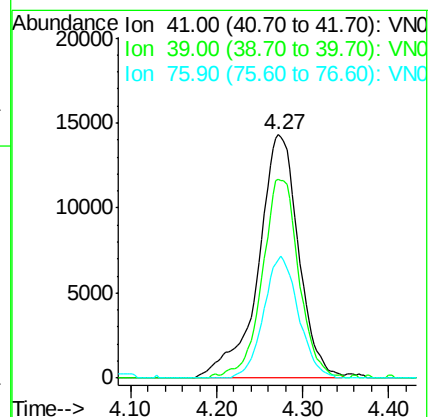
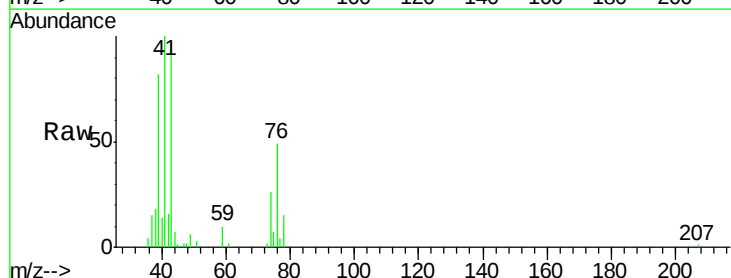
Tgt Ion: 41 Resp: 46803

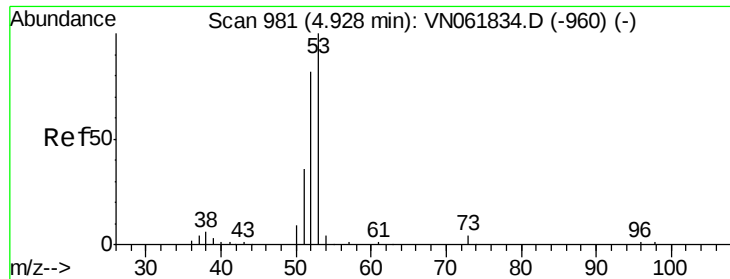
Ion Ratio Lower Upper

41 100

39 73.9 60.2 90.2

76 43.1 36.3 54.5





#15

Acrylonitrile

Concen: 116.455 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

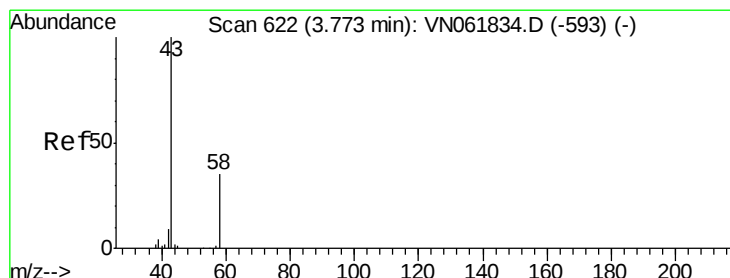
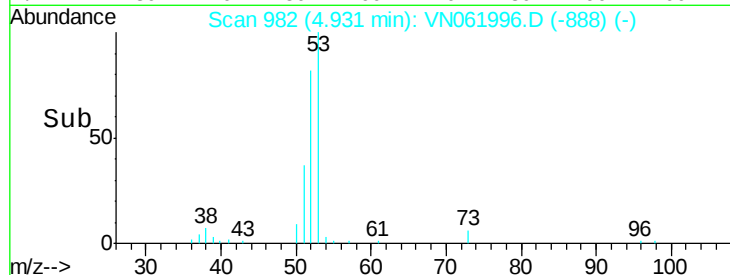
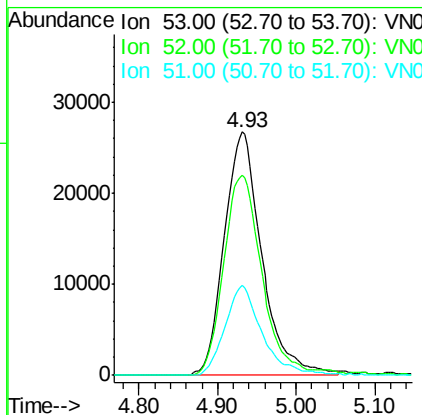
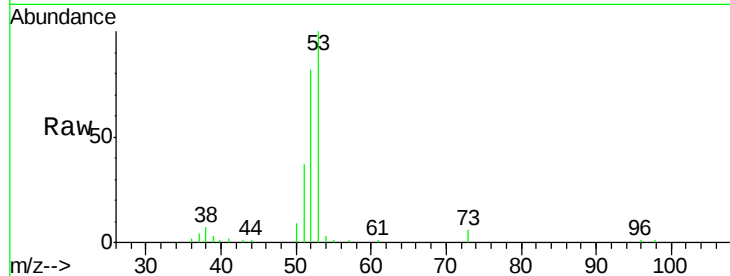
ClientSampleId :

VN0622MBS01

Tot Ion:	53	Resp:	88896
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	36.4	29.3	43.9

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6/23/2020 12:47:58 PM



#16

Acetone

Concen: 109.904 ug/l

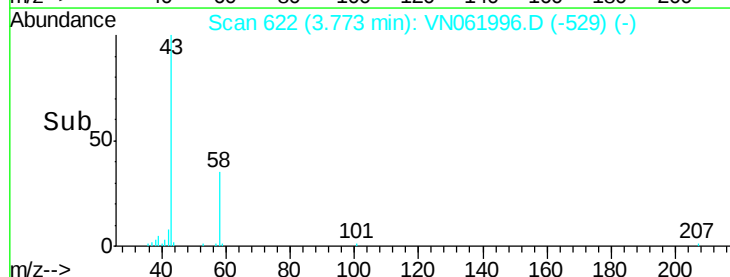
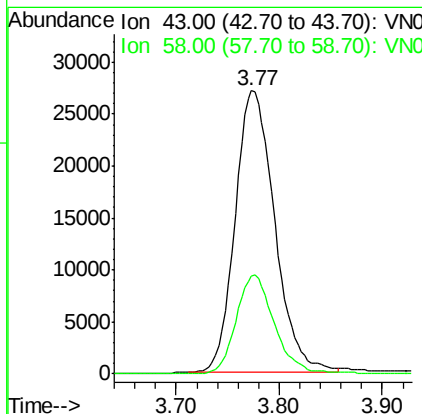
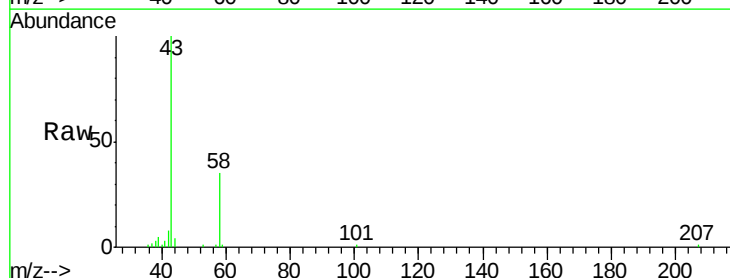
RT: 3.77 min Scan# 622

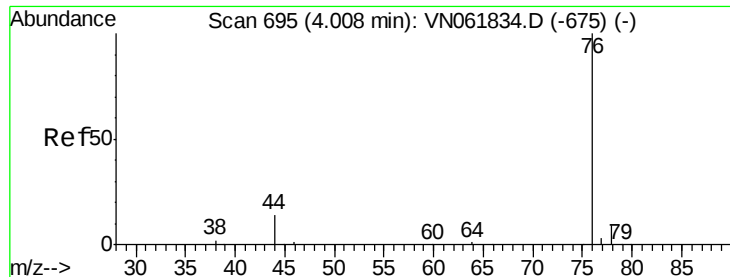
Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Tgt Ion:	43	Resp:	72273
Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.8	41.8





#17

Carbon Disulfide

Concen: 15.731 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0622MBS01

Tot Ion: 76 Resp: 77635

Ion Ratio Lower Upper

76 100

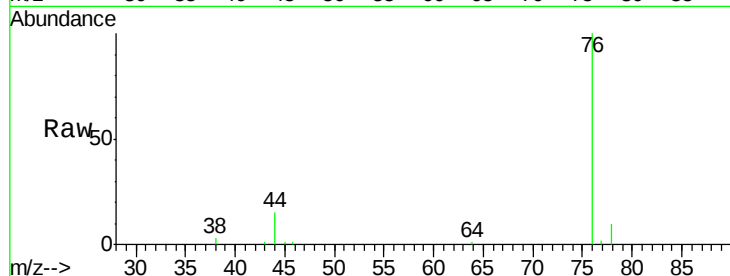
78 9.5 7.3 10.9

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6/23/2020 12:47:58 PM



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

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

4.00

30000

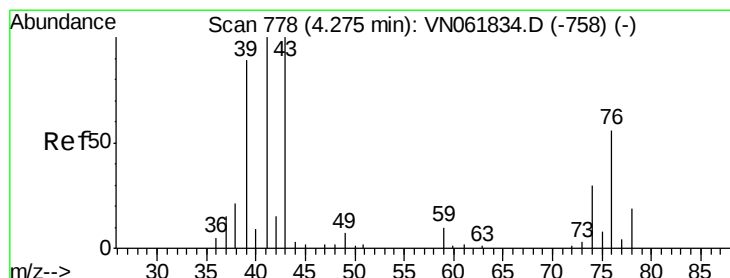
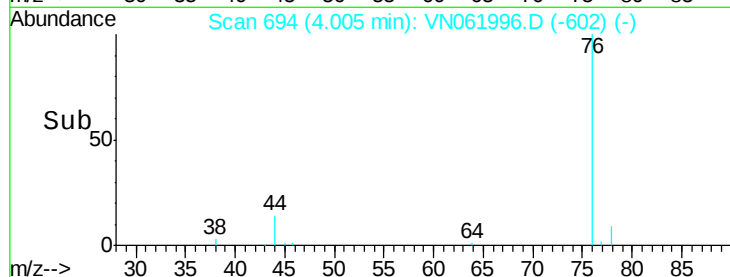
20000

10000

0

3.90 4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 22.518 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061996.D

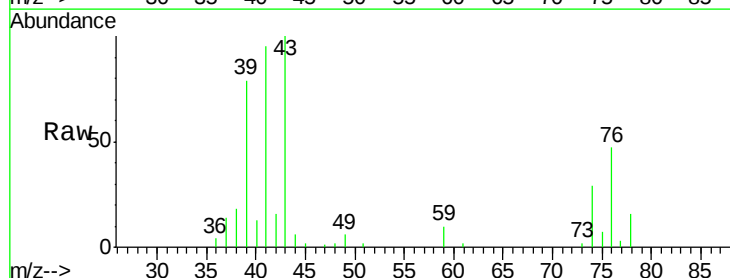
Acq: 22 Jun 2020 13:53

Tgt Ion: 43 Resp: 42633

Ion Ratio Lower Upper

43 100

74 29.8 23.0 34.4



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

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

4.28

15000

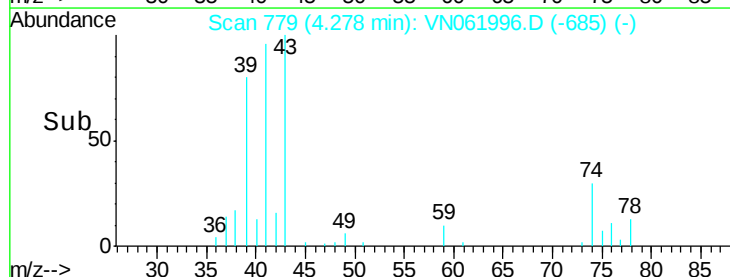
10000

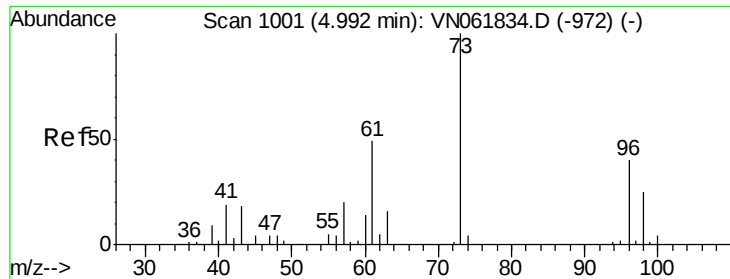
5000

0

4.20 4.25 4.30 4.35

Time-->





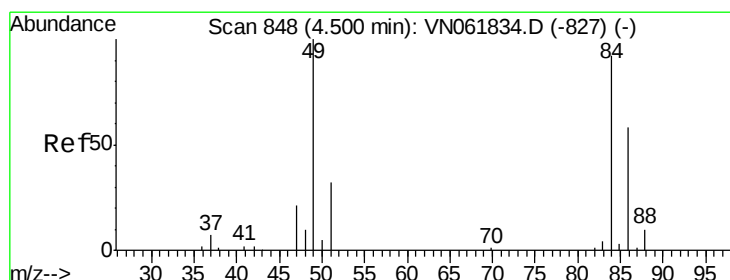
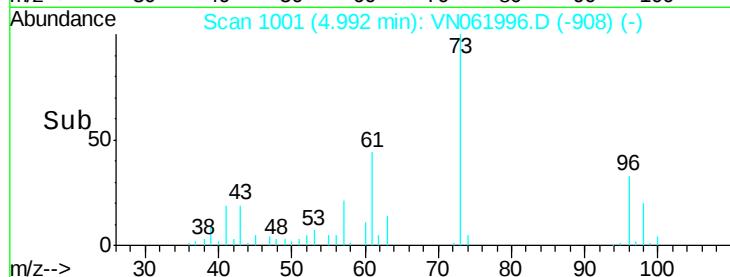
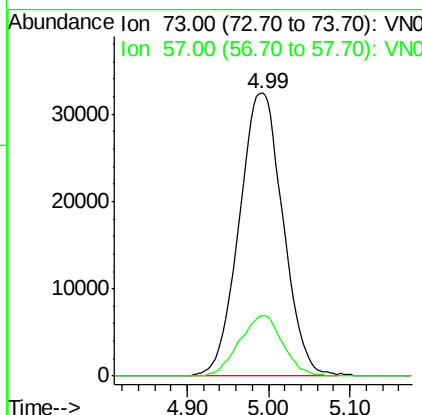
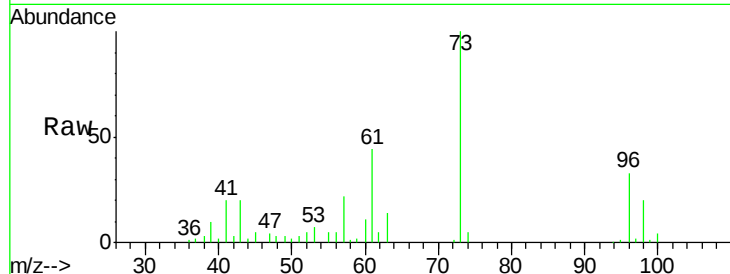
#19
Methvl tert-butvl Ether
Concen: 21.478 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion: 73 Resp: 120613
Ion Ratio Lower Upper
73 100
57 21.5 16.2 24.4

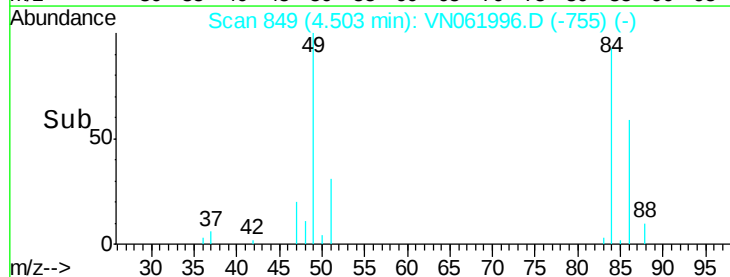
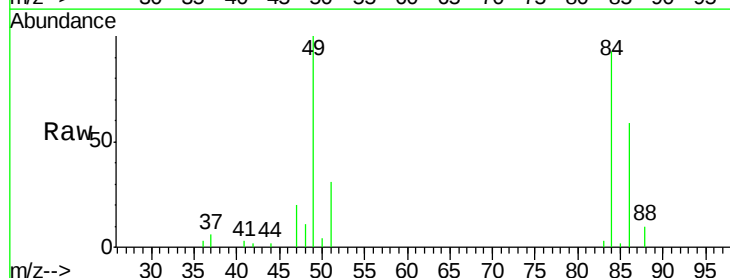
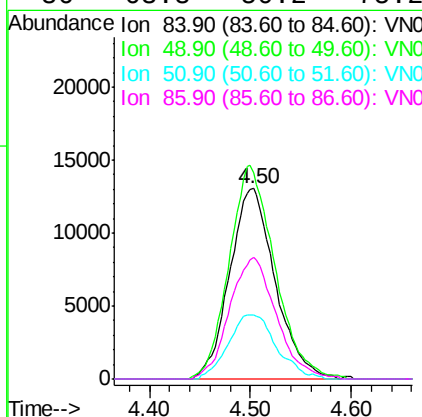
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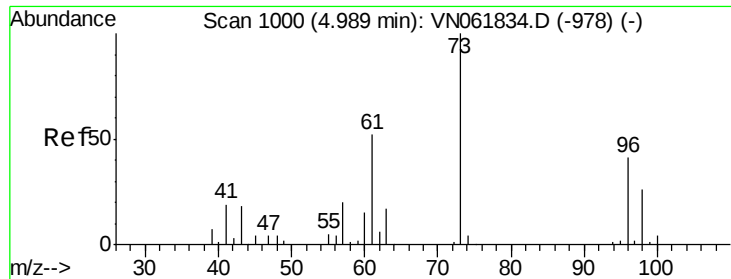
MMDadoda
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#20
Methylene Chloride
Concen: 19.045 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion: 84 Resp: 40804
Ion Ratio Lower Upper
84 100
49 108.1 87.0 130.4
51 33.7 27.8 41.6
86 63.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.756 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

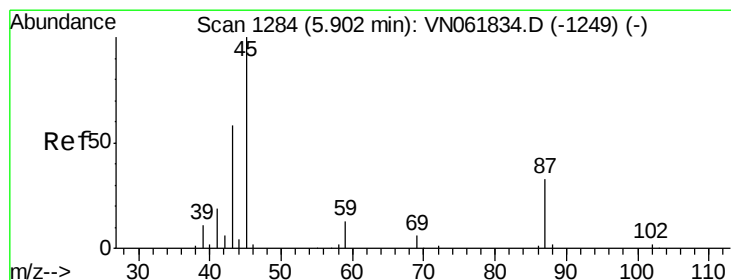
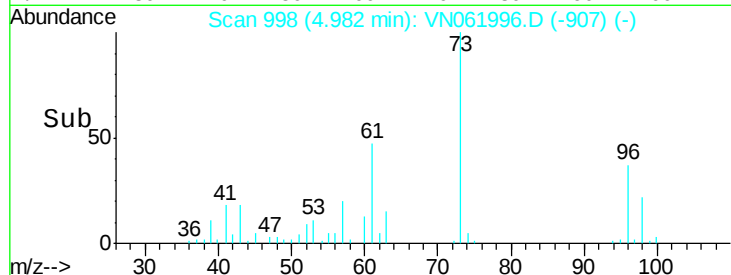
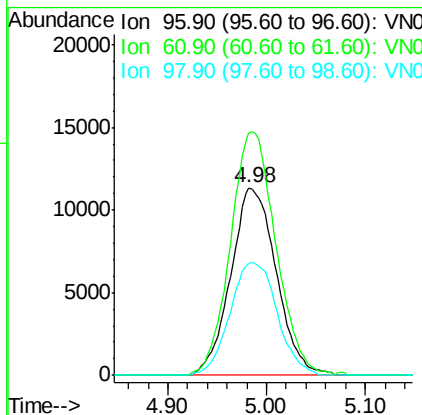
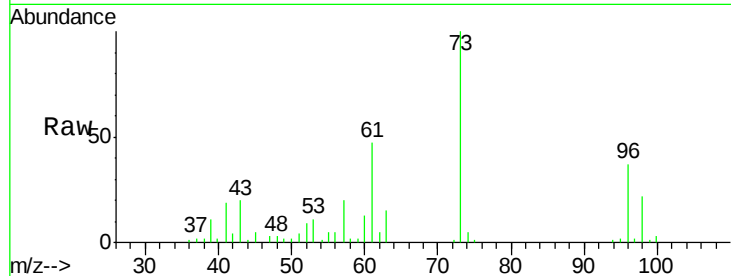
ClientSampleId :

VN0622MBS01

Tot Ion:	96	Resp:	36336
Ion	Ratio	Lower	Upper
96	100		
61	129.4	102.2	153.4
98	60.0	51.2	76.8

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6/23/2020 12:47:58 PM



#22

Diisopropyl ether

Concen: 21.346 ug/l

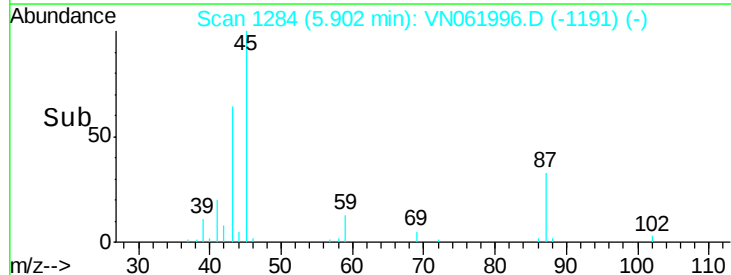
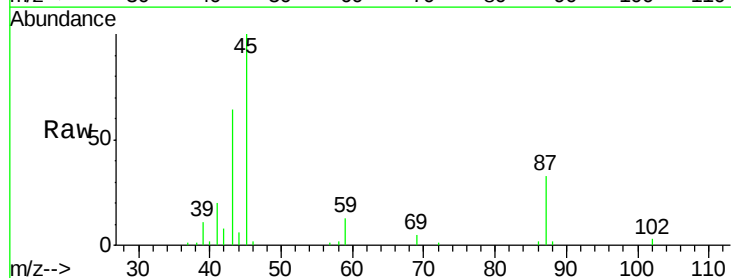
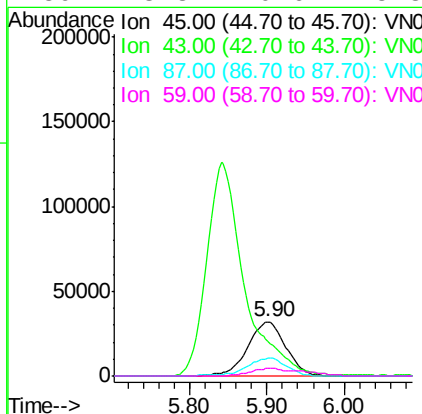
RT: 5.90 min Scan# 1284

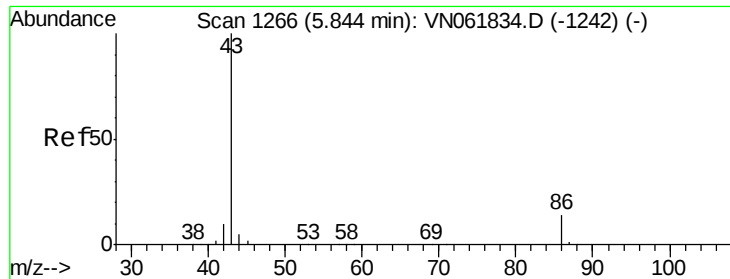
Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Tgt Ion:	45	Resp:	109283
Ion	Ratio	Lower	Upper
45	100		
43	62.2	49.4	74.2
87	32.6	27.4	41.0
59	13.3	10.6	15.8





#23

Vinyl Acetate

Concen: 106.384 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampled :

VN0622MBS01

Tot Ion: 43 Resp: 428362

Ion Ratio Lower Upper

43 100

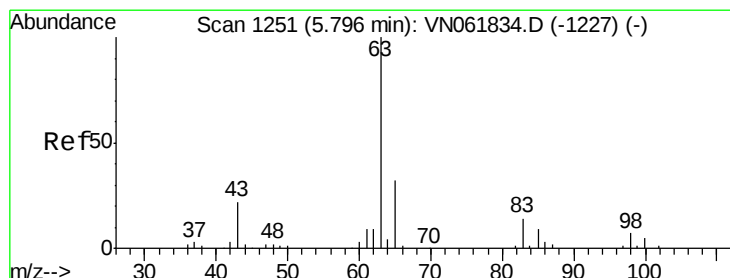
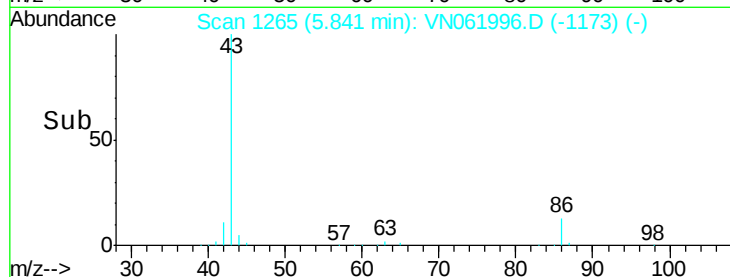
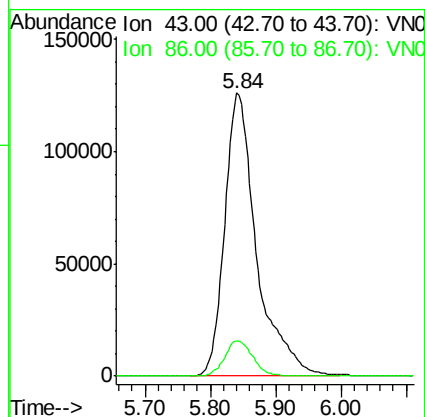
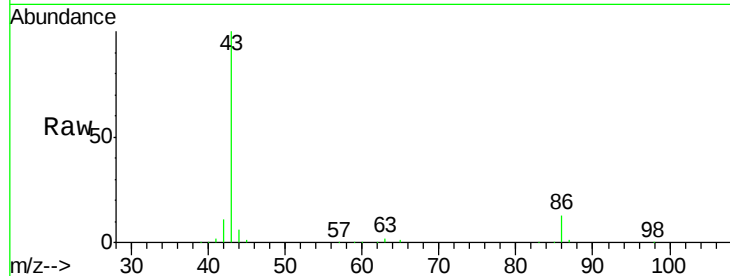
86 12.5 10.9 16.3

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6/23/2020 12:47:58 PM



#24

1,1-Dichloroethane

Concen: 20.465 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

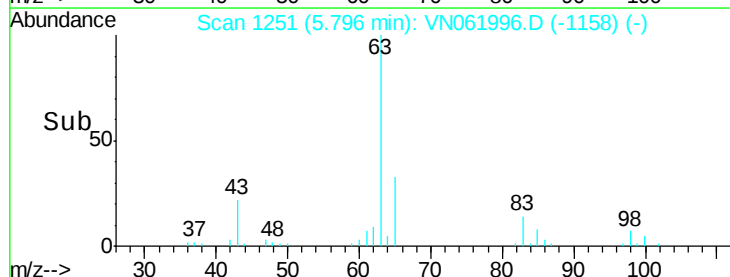
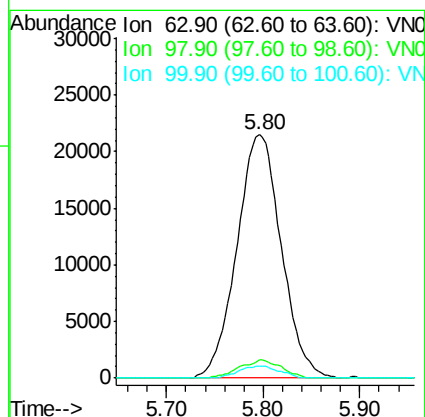
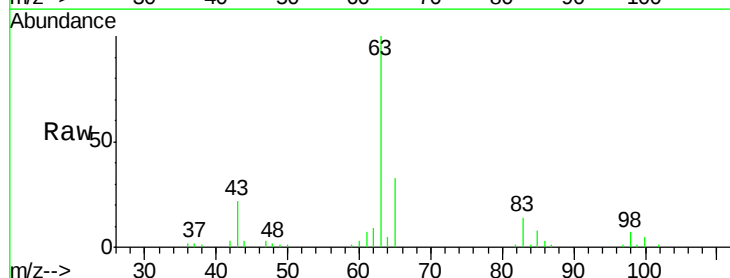
Tgt Ion: 63 Resp: 68584

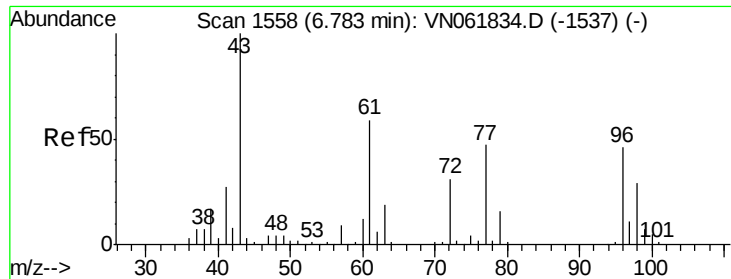
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 5.1 2.5 7.4





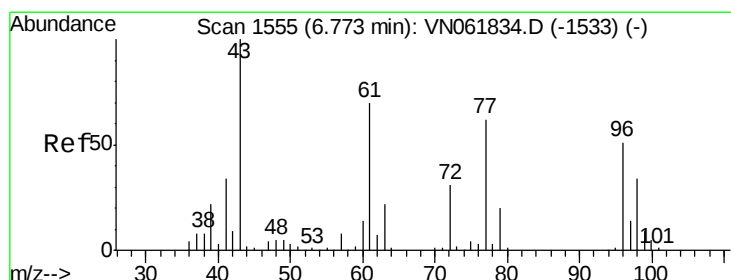
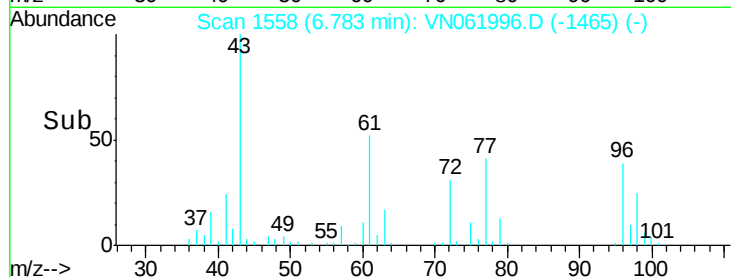
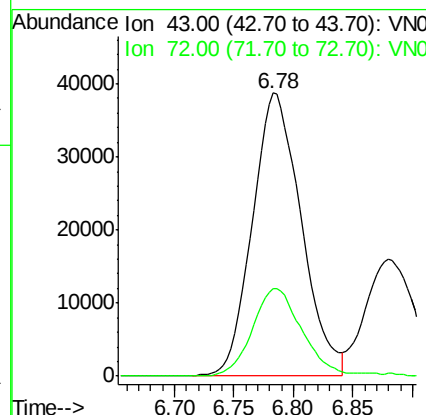
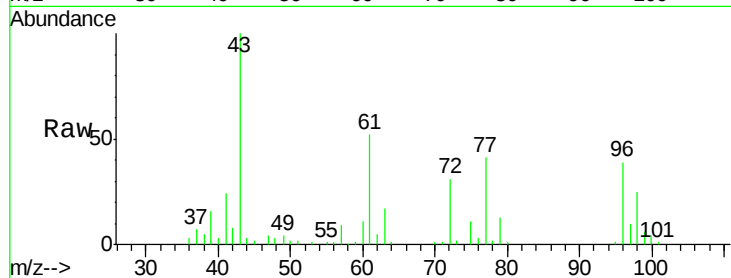
#25
2-Butanone
Concen: 114.688 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion: 43 Resp: 110037
Ion Ratio Lower Upper
43 100
72 30.8 24.6 37.0

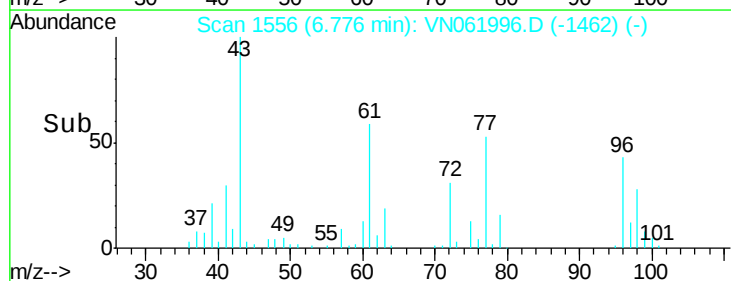
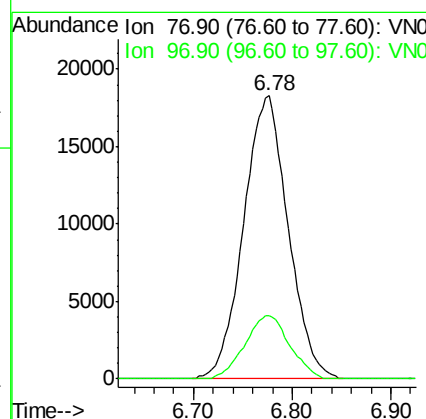
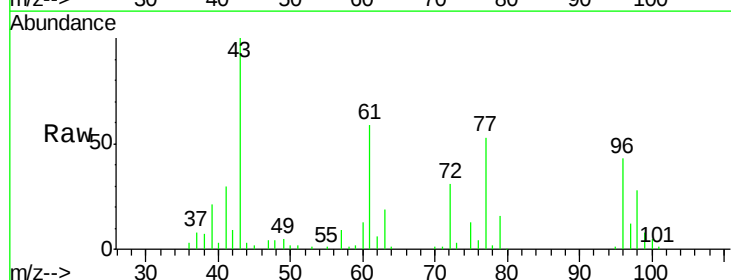
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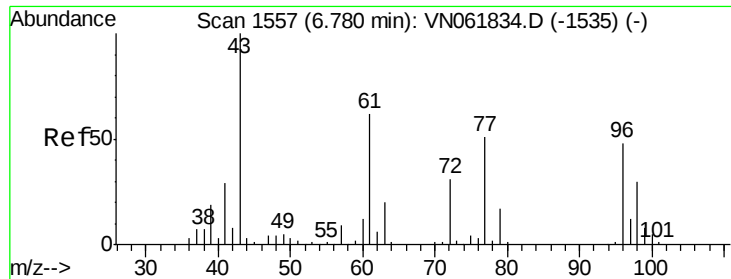
MMDadoda
6/23/2020 12:47:58 PM



#26
2,2-Dichloropropane
Concen: 20.261 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion: 77 Resp: 57127
Ion Ratio Lower Upper
77 100
97 22.5 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 19.490 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

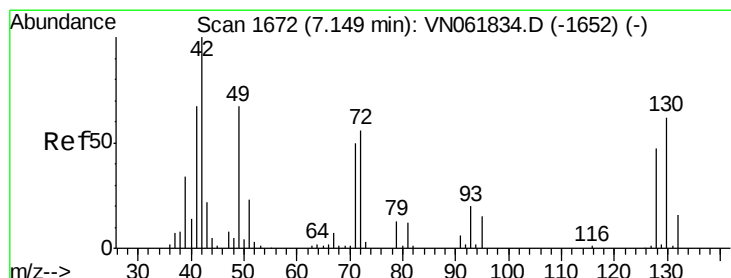
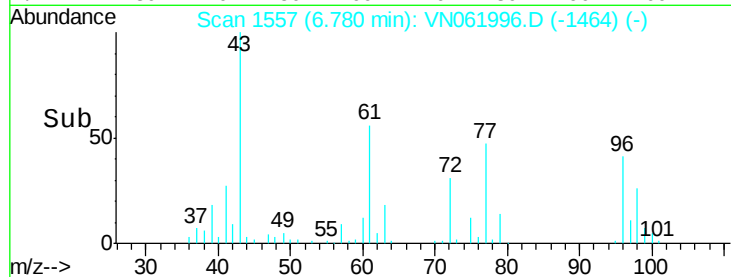
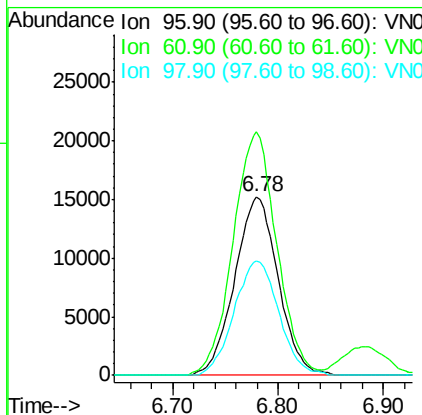
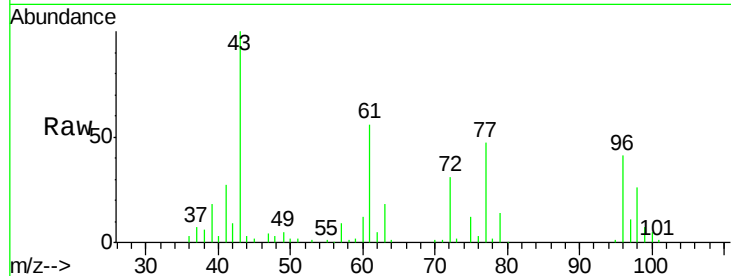
ClientSampled :

VN0622MBS01

Tot Ion:	96	Resp:	43566
Ion	Ratio	Lower	Upper
96	100		
61	137.1	0.0	265.6
98	65.9	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 21.901 ug/l

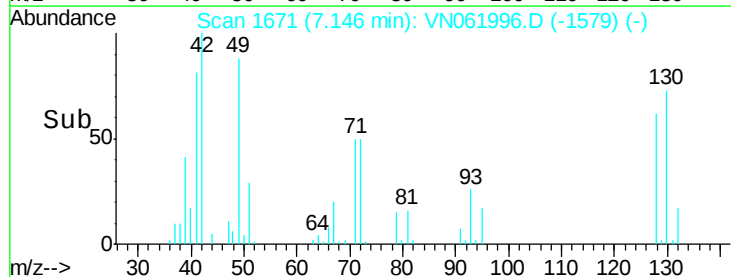
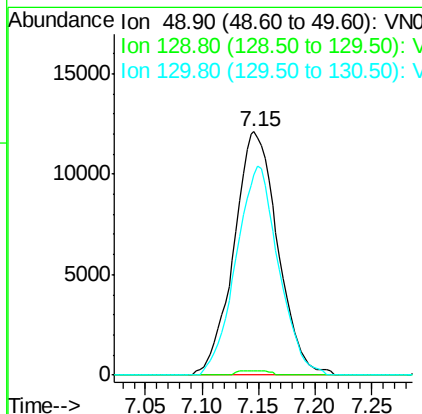
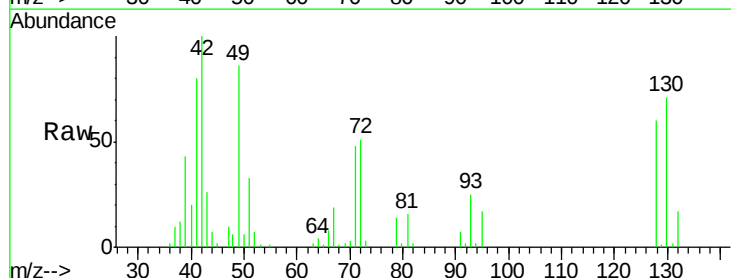
RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Tgt Ion:	49	Resp:	32681
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	83.3	72.2	108.2





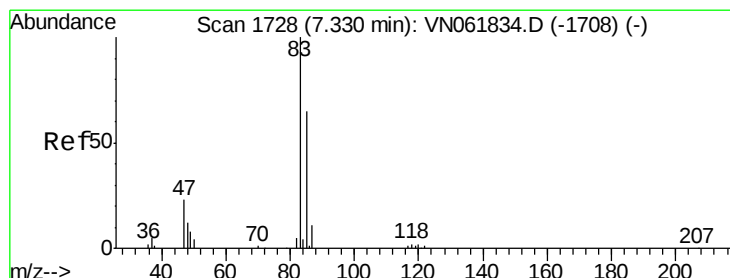
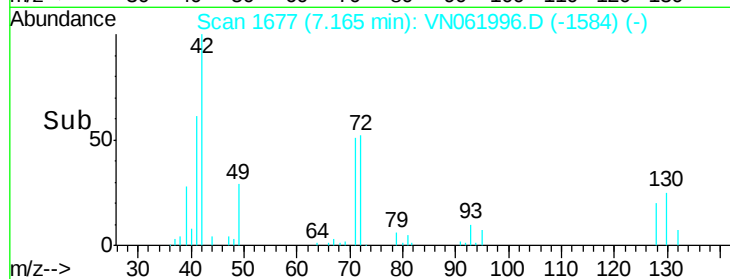
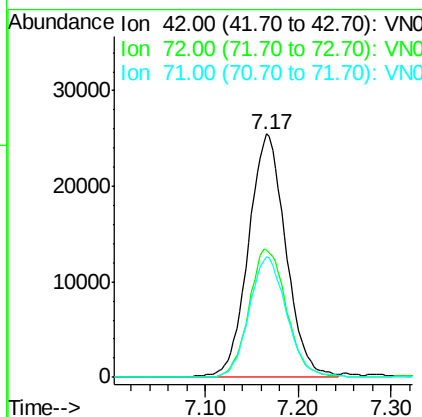
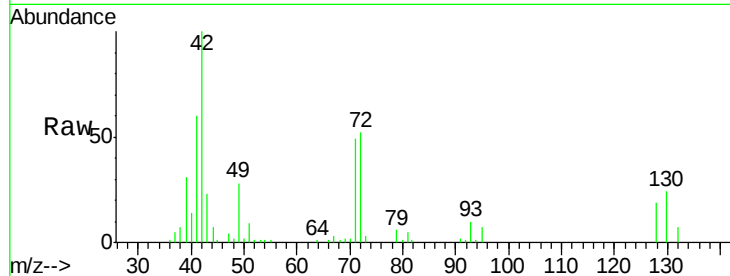
#29
Tetrahydrofuran
Concen: 113.420 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.6	44.0	66.0
71	49.2	40.0	60.0

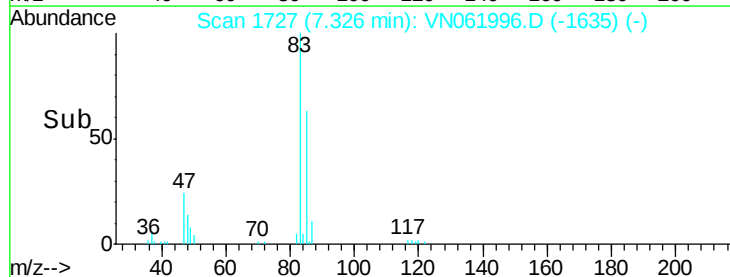
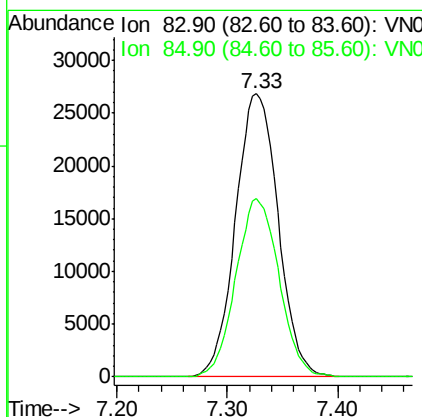
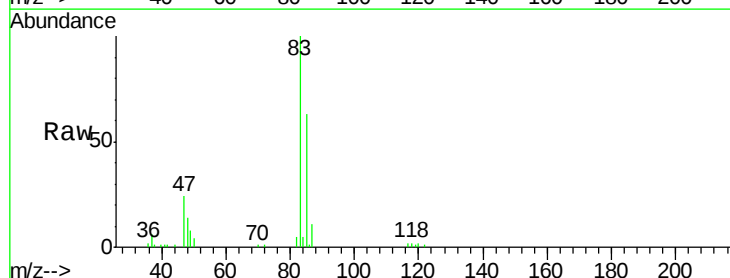
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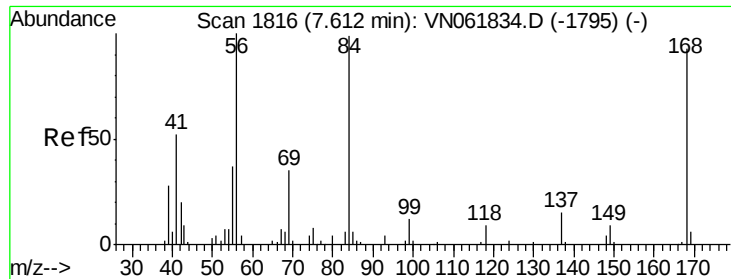
MMDadoda
6/23/2020 12:47:58 PM



#30
Chloroform
Concen: 20.027 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.0	78.0





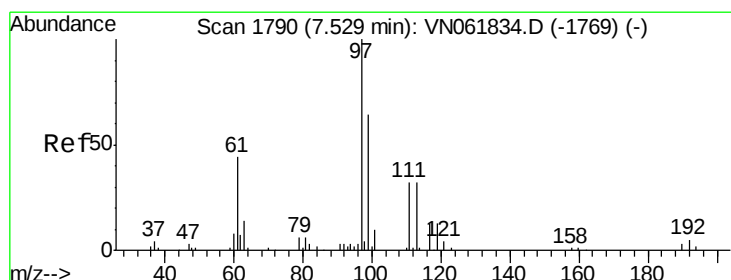
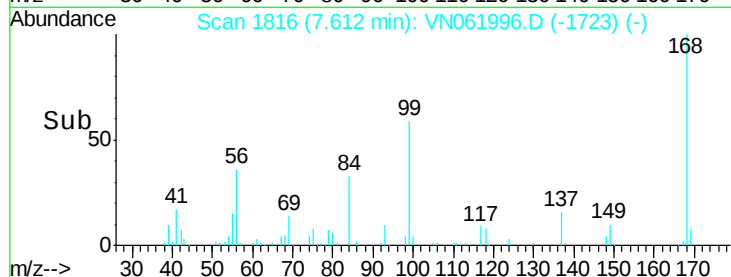
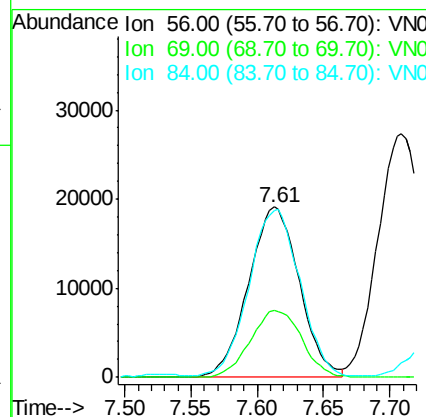
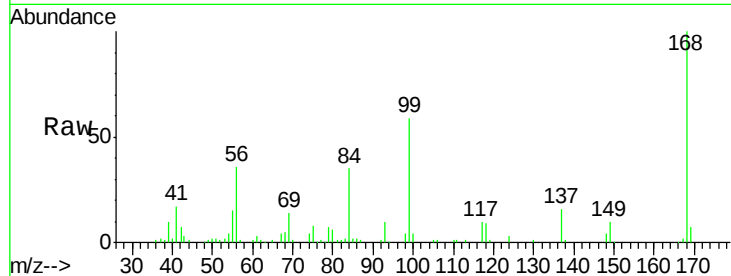
#31
Cyclohexane
Concen: 17.409 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	27.7	41.5
84	96.8	79.1	118.7

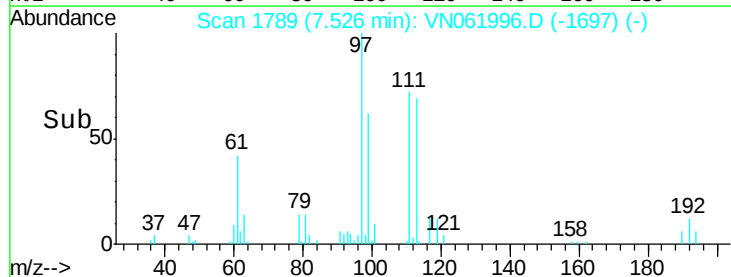
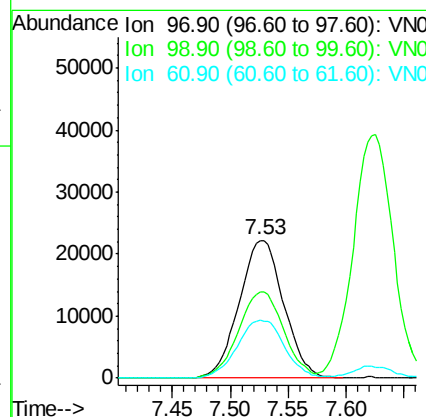
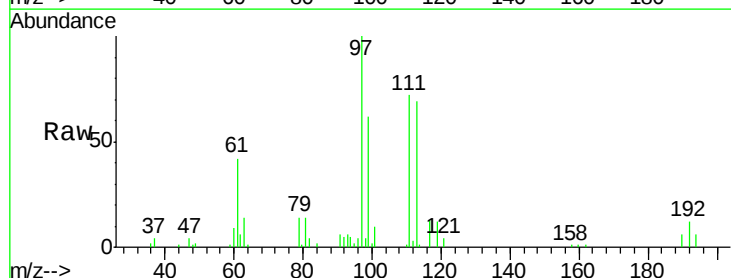
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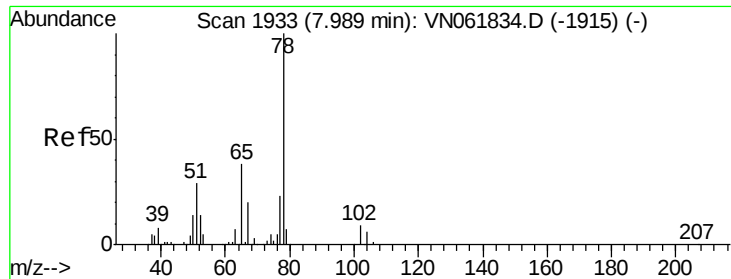
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6/23/2020 12:47:58 PM



#32
1,1,1-Trichloroethane
Concen: 19.465 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.5	77.3
61	44.5	35.1	52.7





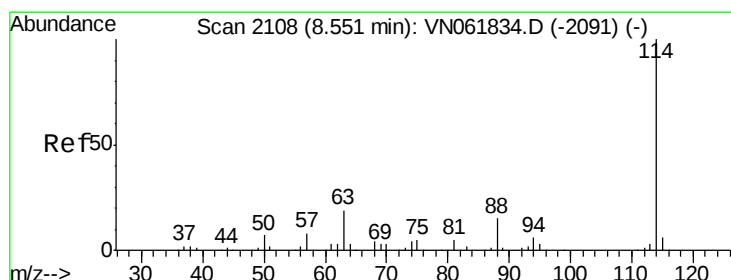
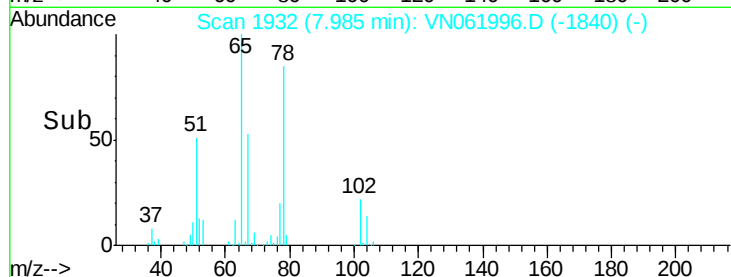
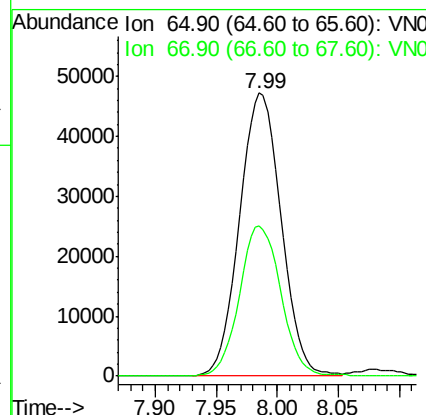
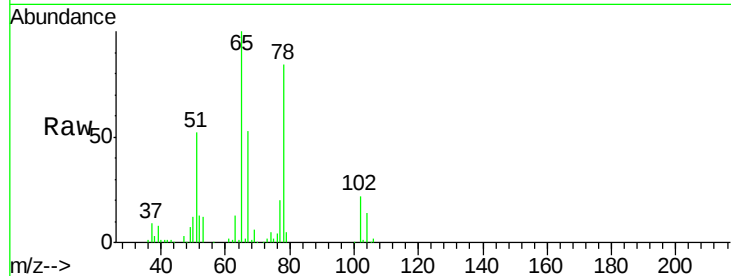
#33
 1,2-Dichloroethane-d4
 Concen: 50.134 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622MBS01

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

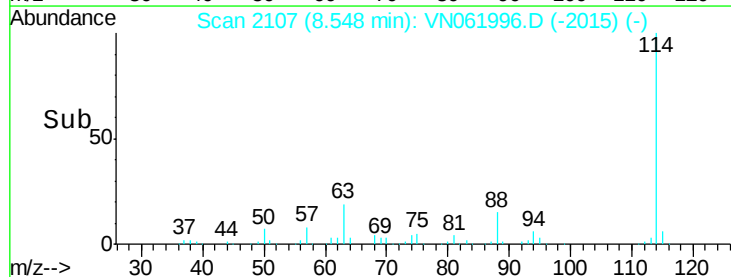
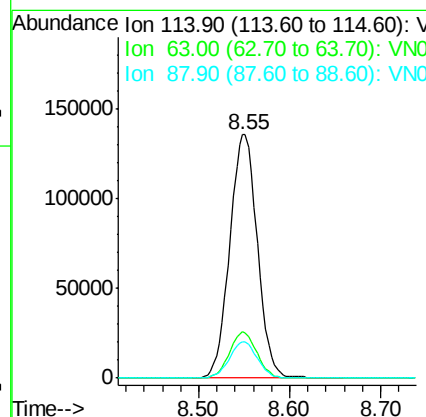
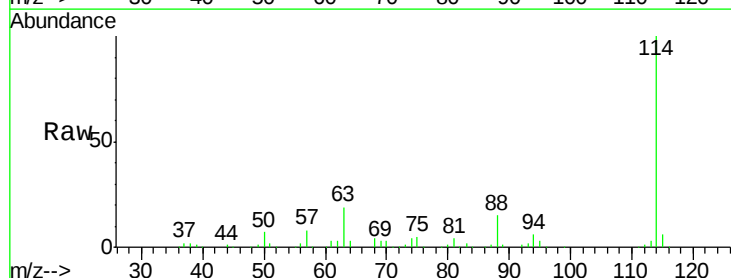
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	37.6	
88	15.1	0.0	31.0	





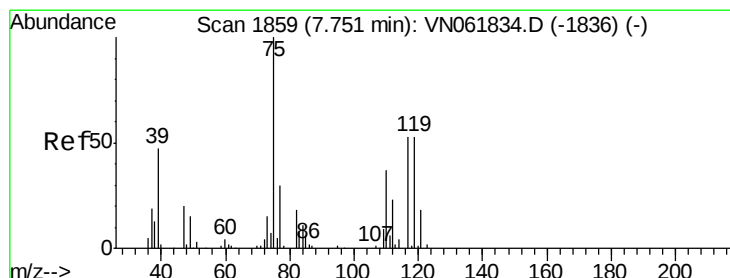
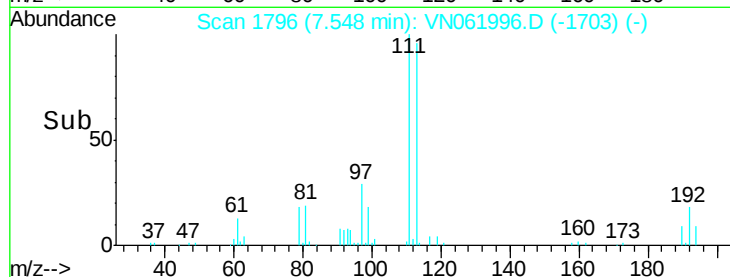
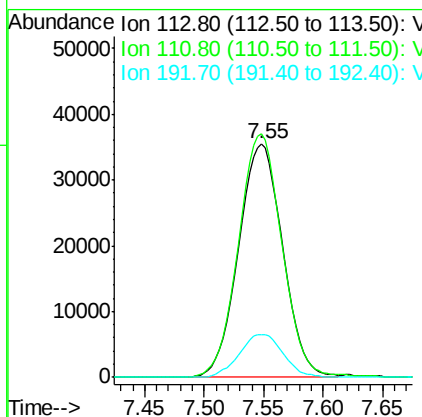
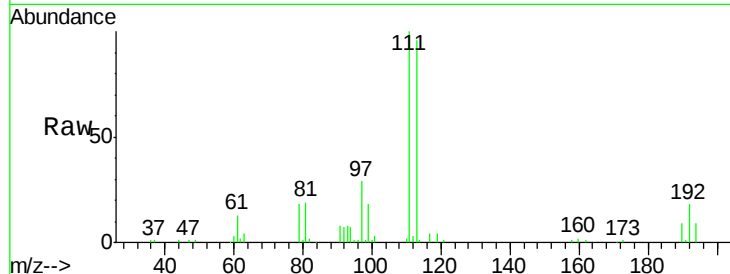
#35
Dibromofluoromethane
Concen: 49.832 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	91152		
111	102.6	83.7	125.5	
192	18.2	13.9	20.9	

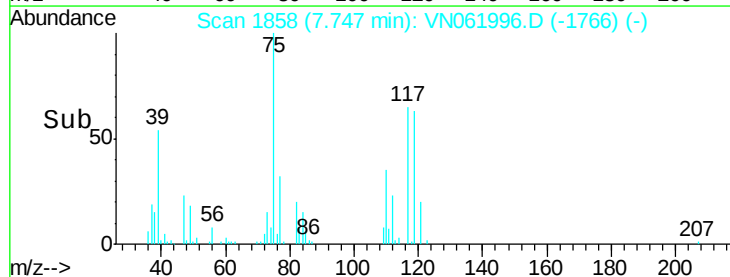
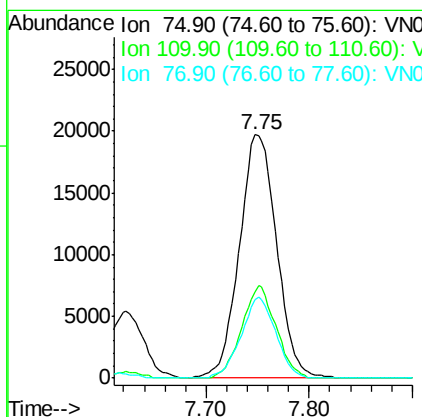
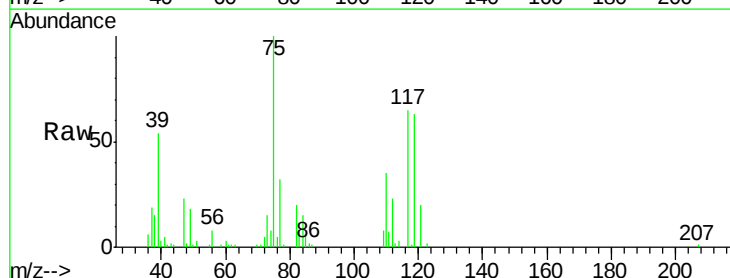
Manual Integrations
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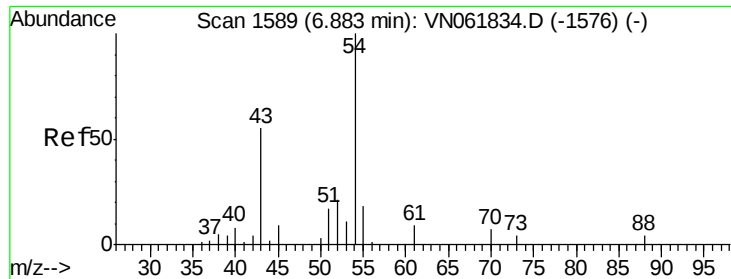
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#36
1,1-Dichloropropene
Concen: 19.021 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49605		
110	34.7	18.2	54.6	
77	30.7	24.2	36.4	





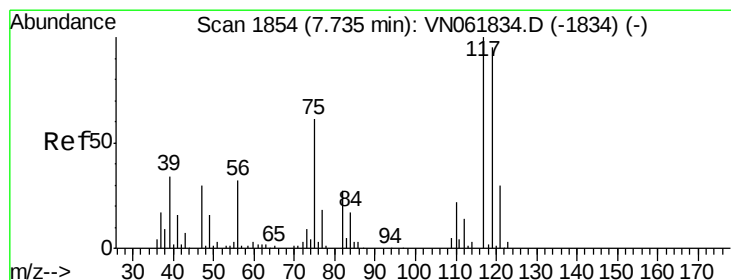
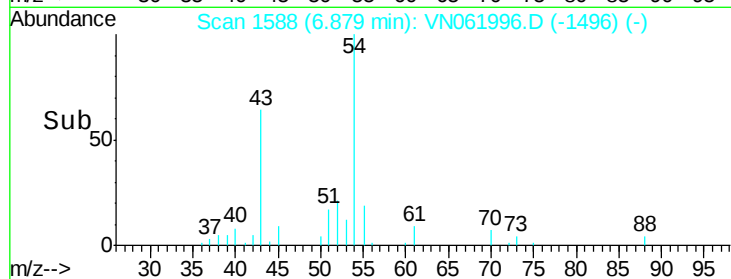
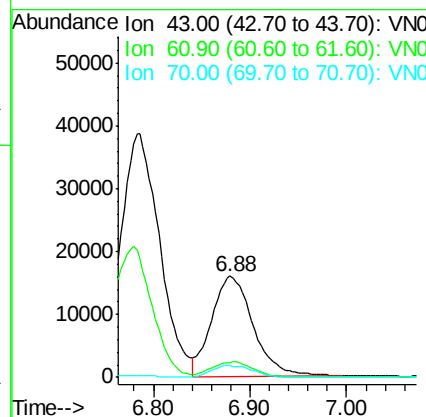
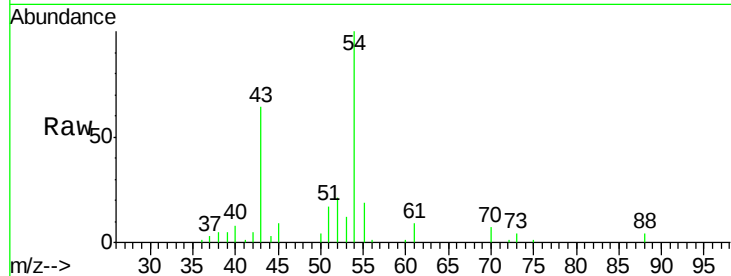
#37
Ethyl Acetate
Concen: 23.288 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	43	61	70
Ion Ratio	100	15.6	11.3
Lower		13.0	9.4
Upper		19.4	14.2

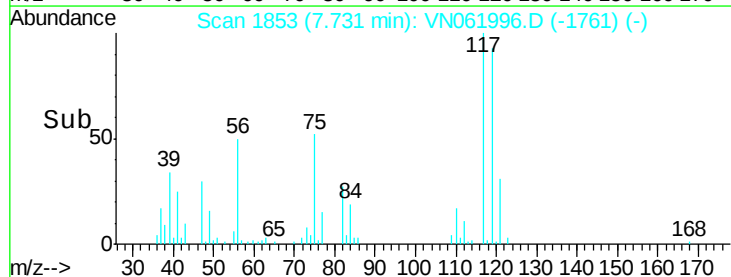
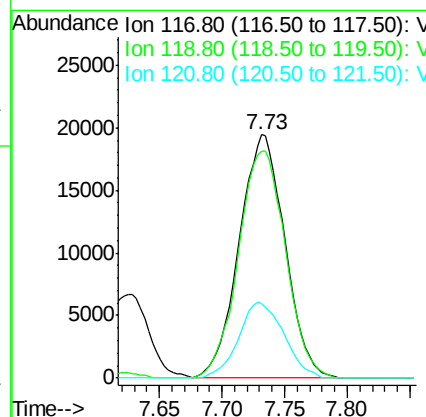
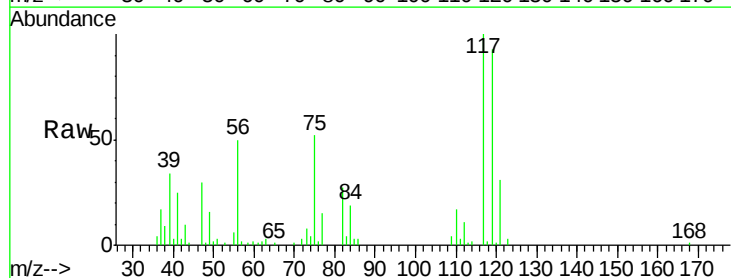
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 19.094 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	117	119	121
Ion Ratio	100	93.1	30.8
Lower		75.8	23.8
Upper		113.6	35.6





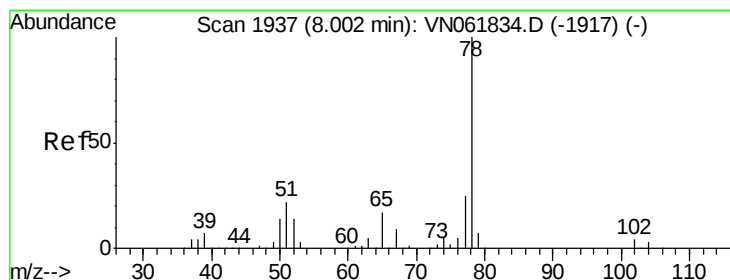
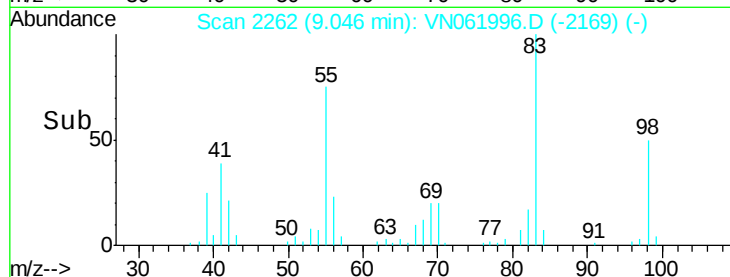
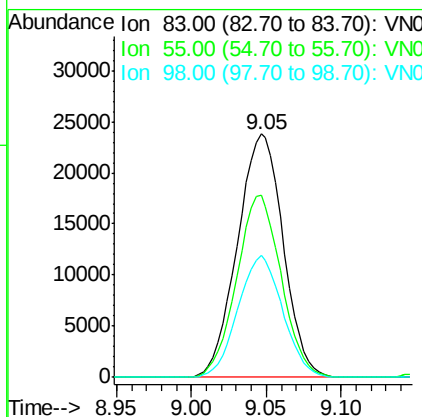
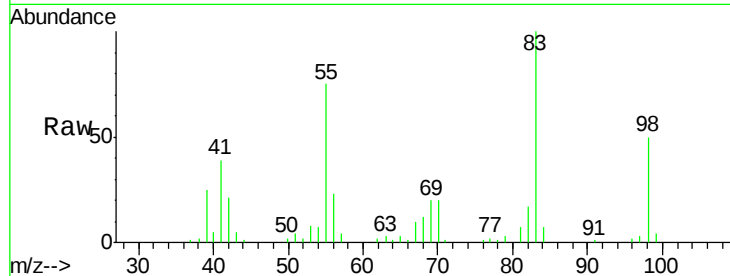
#39
Methvlcvclohexane
Concen: 18.029 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	54.2	81.4
98	49.9	39.8	59.6

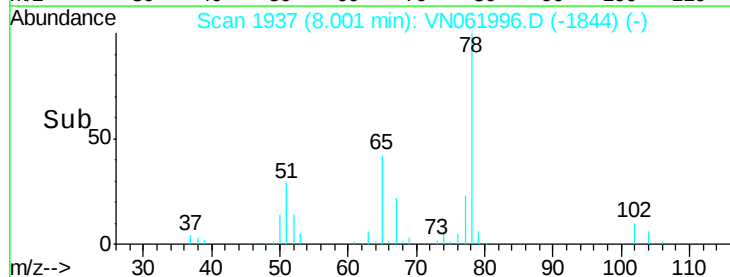
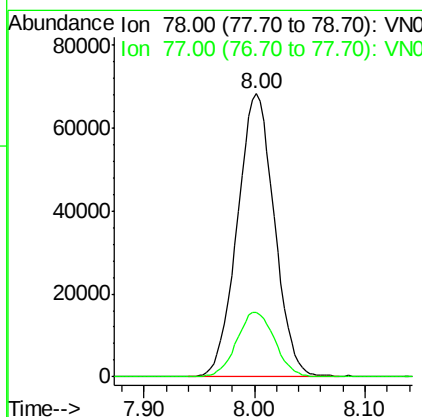
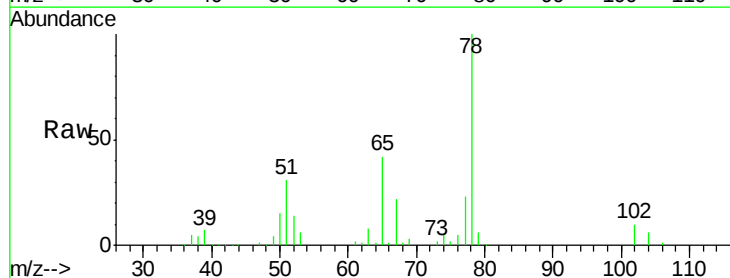
Manual Integrations
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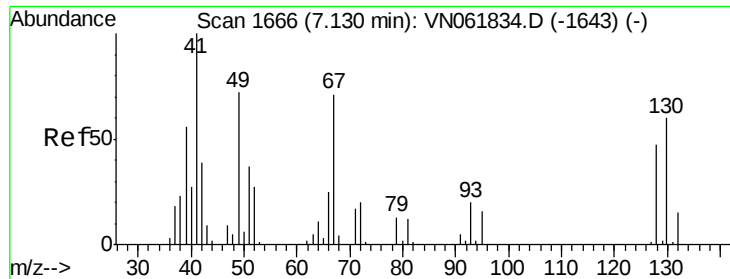
MMDadoda
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#40
Benzene
Concen: 20.138 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.7	29.5





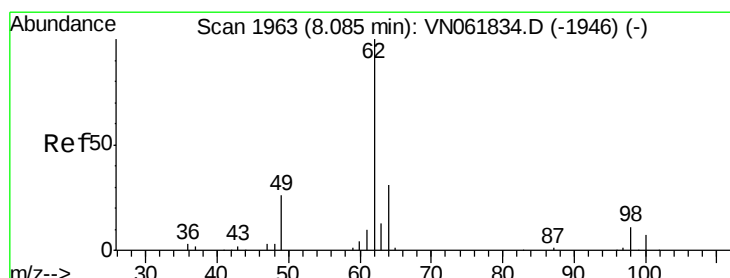
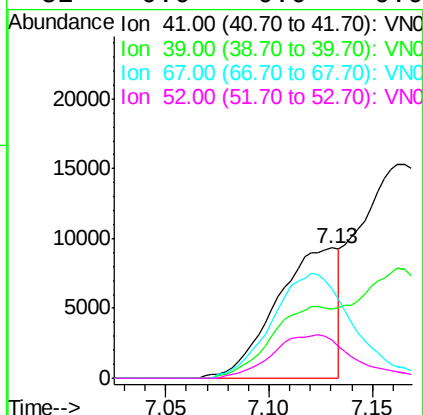
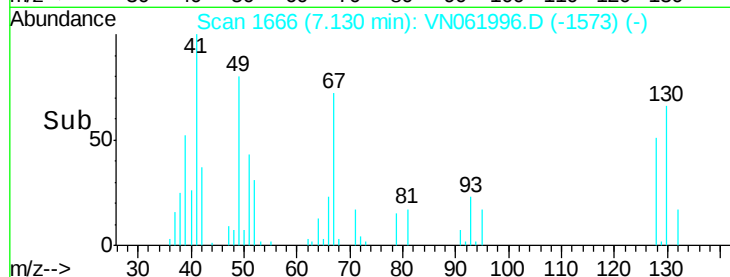
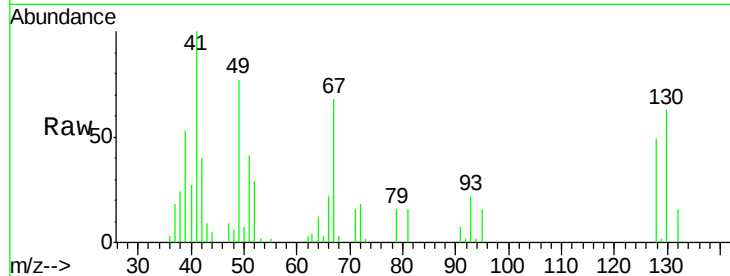
#41
Methacrylonitrile
Concen: 22.378 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	41	Resp	19488
Ion Ratio	Lower	Upper	
41	100		
39	99.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

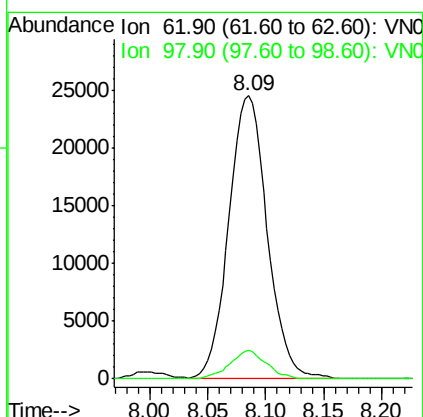
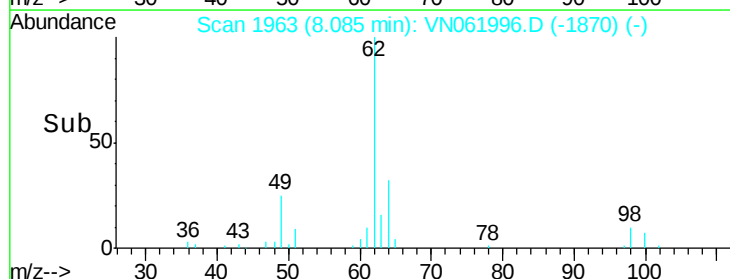
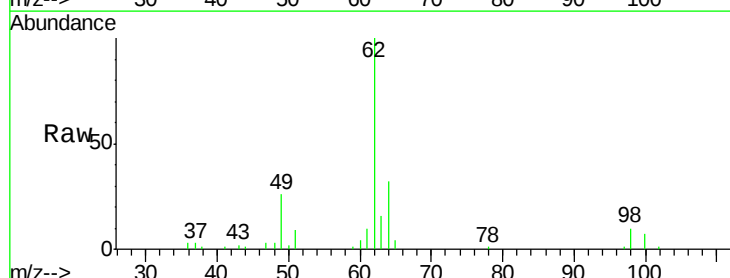
Manual Integrations
APPROVED

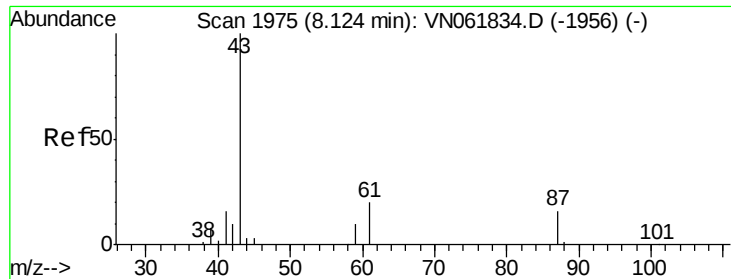
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.012 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	62	Resp	56599
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	20.4





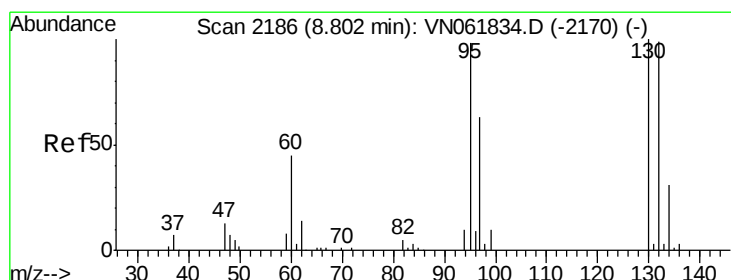
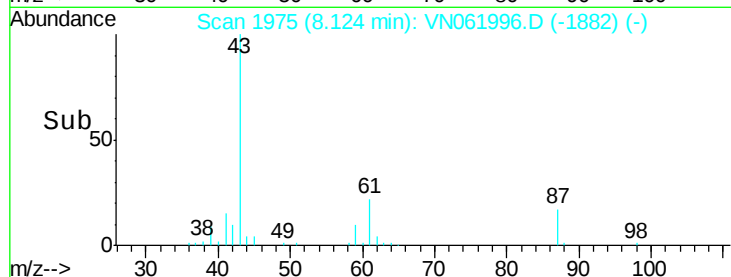
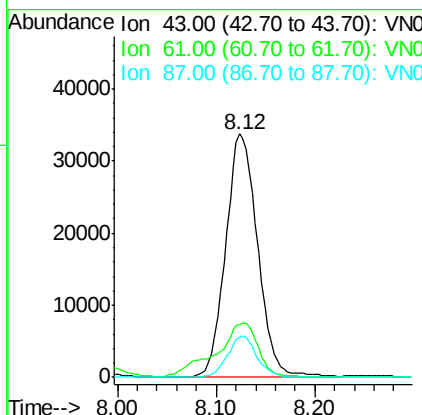
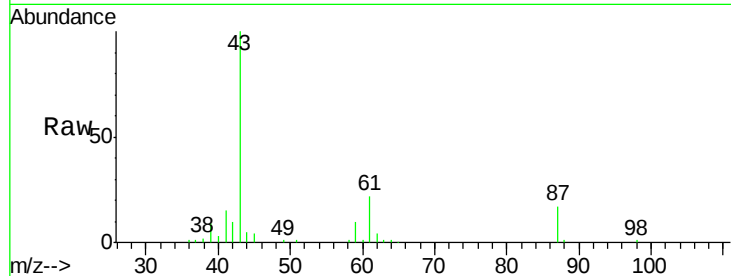
#43
Isopropyl Acetate
Concen: 22.301 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.0	36.0
87	15.4	12.5	18.7

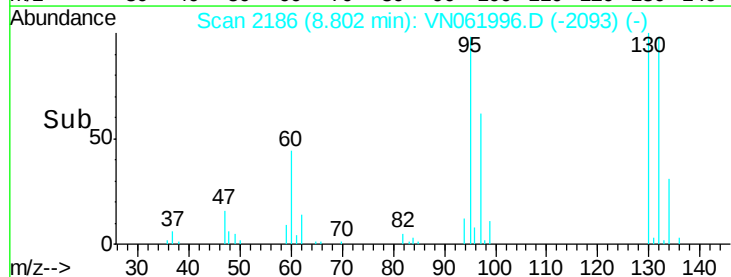
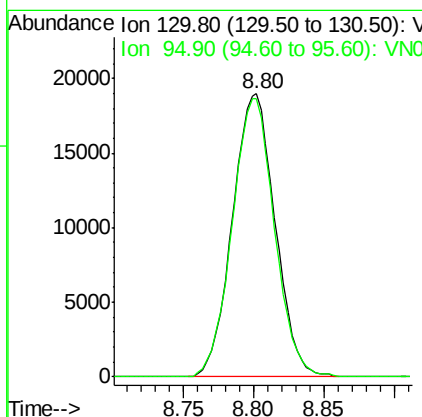
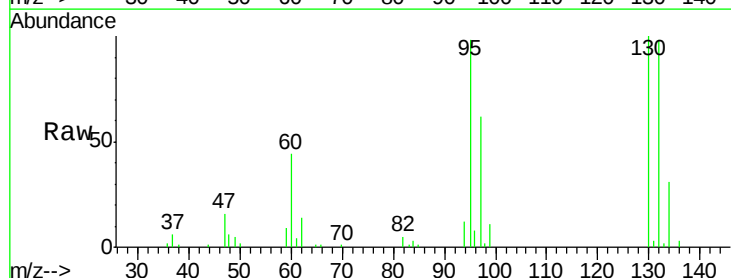
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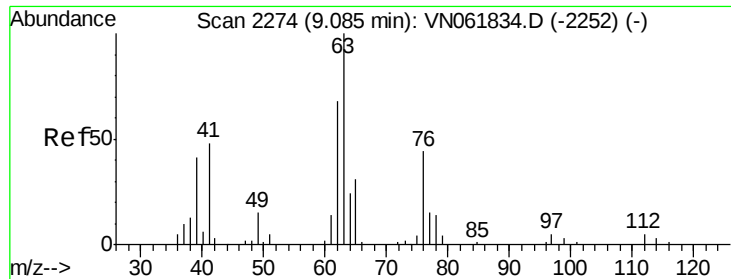
MMDadoda
6/23/2020 12:47:58 PM



#44
Trichloroethene
Concen: 19.316 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	195.6





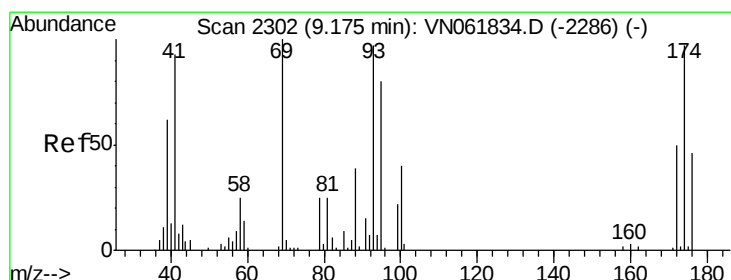
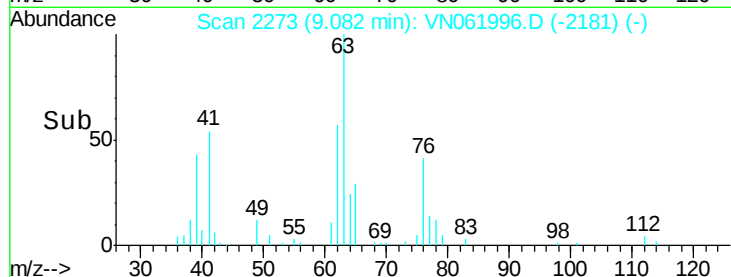
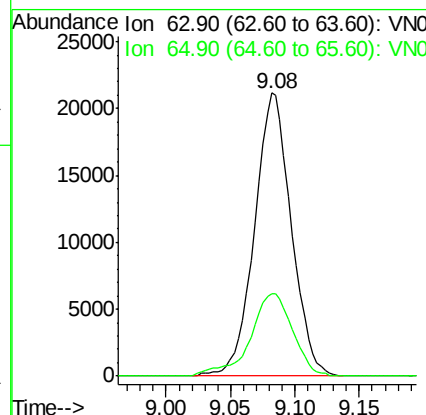
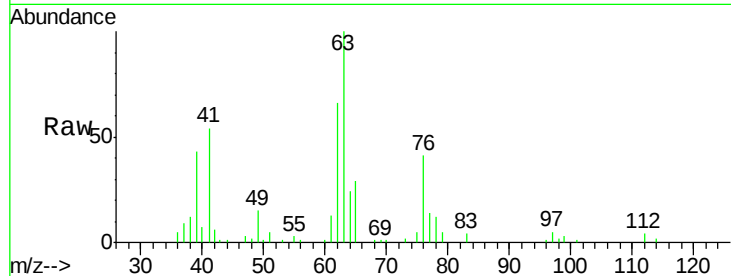
#45
 1,2-Dichloropropane
 Concen: 21.659 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622MBS01

Tot Ion: 63 Resp: 42050
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.1 37.7

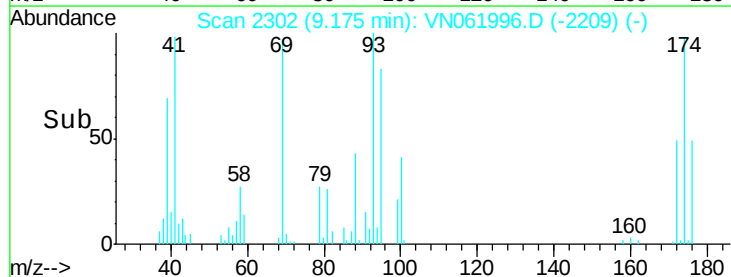
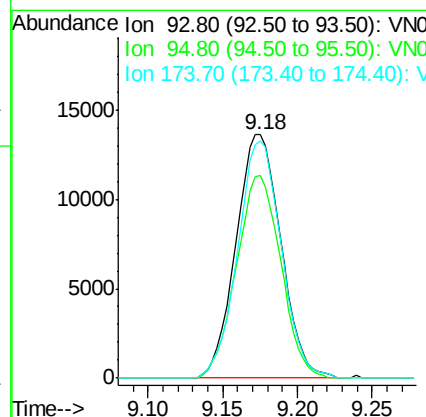
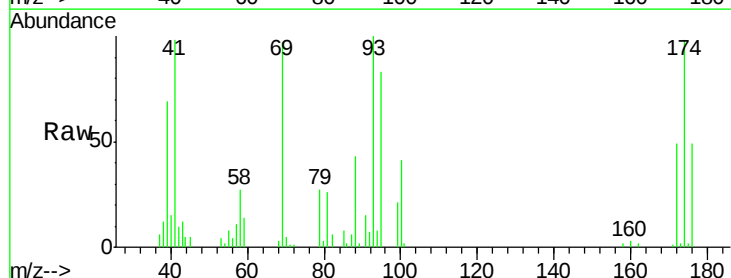
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#46
 Dibromomethane
 Concen: 20.832 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Tgt Ion: 93 Resp: 28480
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.8 98.6
 174 94.7 78.5 117.7





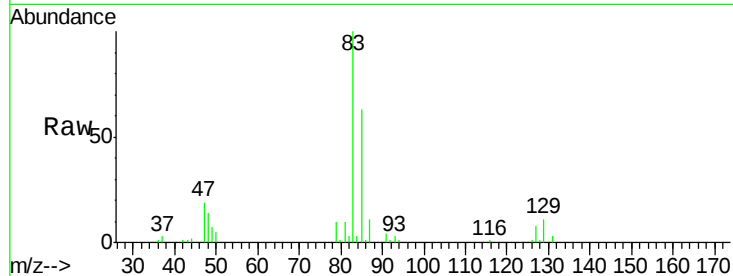
#47
Bromodichloromethane
Concen: 20.961 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

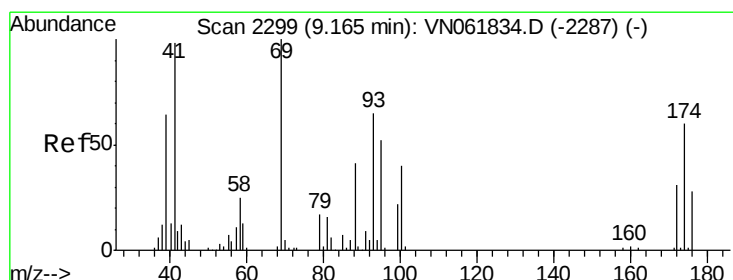
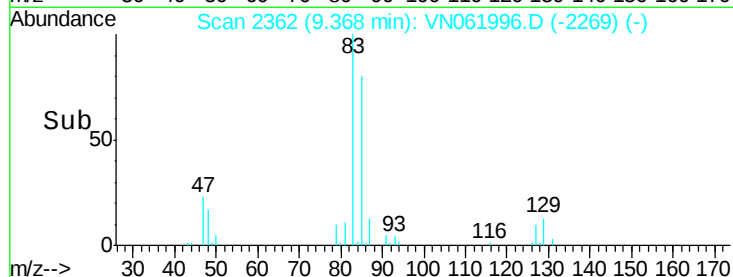
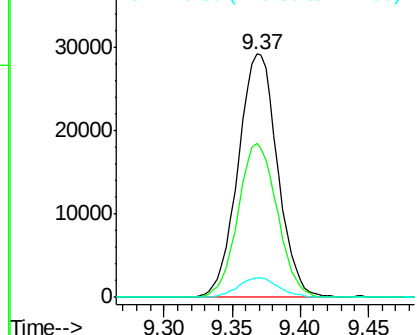
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	7.8	7.0	10.4

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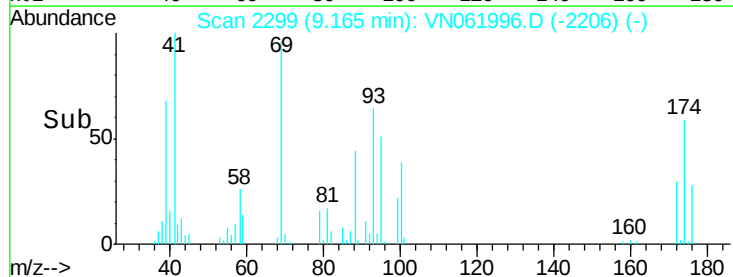
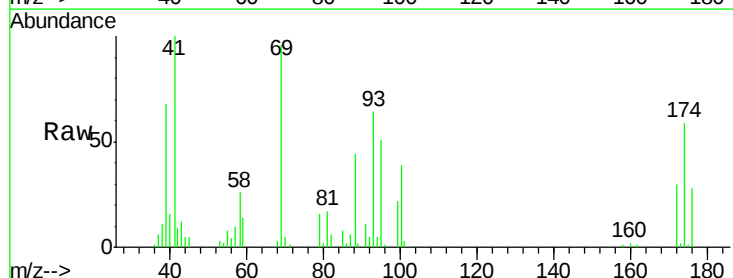
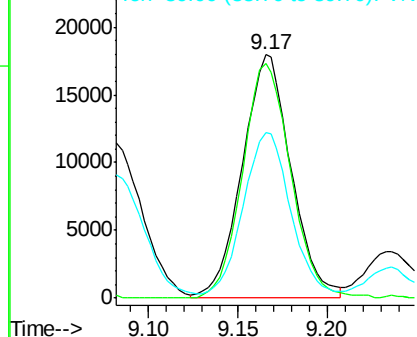
Abundance Ion 82.90 (82.60 to 83.60): VN061834.D (-2347) (-)
Ion 84.90 (84.60 to 85.60): VN061834.D (-2347) (-)
Ion 126.80 (126.50 to 127.50): VN061834.D (-2347) (-)



#48
Methyl methacrylate
Concen: 22.049 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.1	83.0	124.4
39	65.9	55.1	82.7

Abundance Ion 41.00 (40.70 to 41.70): VN061834.D (-2287) (-)
Ion 69.00 (68.70 to 69.70): VN061834.D (-2287) (-)
Ion 39.00 (38.70 to 39.70): VN061834.D (-2287) (-)





#49

1,4-Dioxane

Concen: 451.142 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

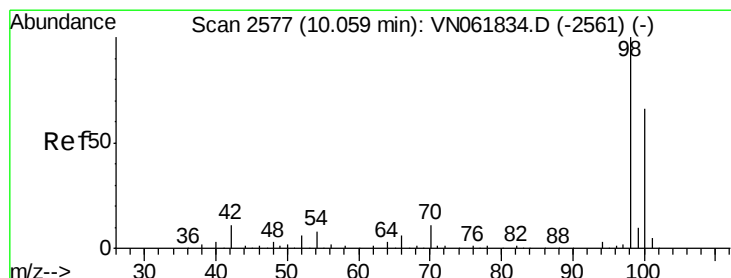
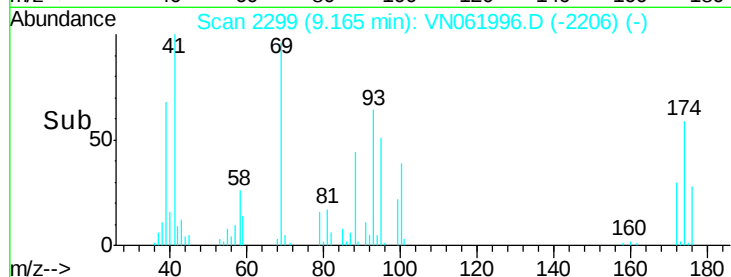
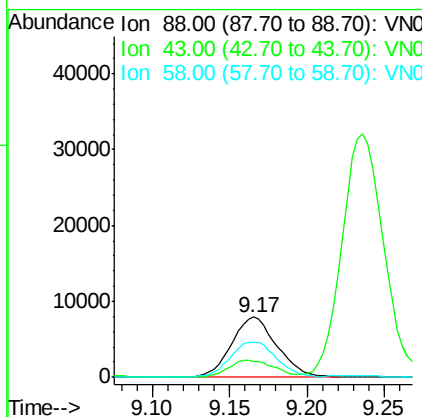
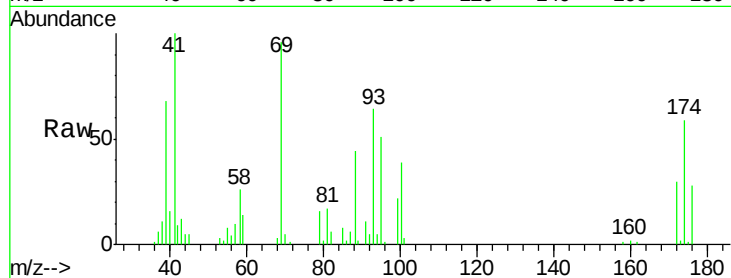
ClientSampleId :

VN0622MBS01

Tot Ion:	88	Resp:	16166
Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.4	35.2
58	59.6	49.8	74.6

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#50

Toluene-d8

Concen: 48.894 ug/l

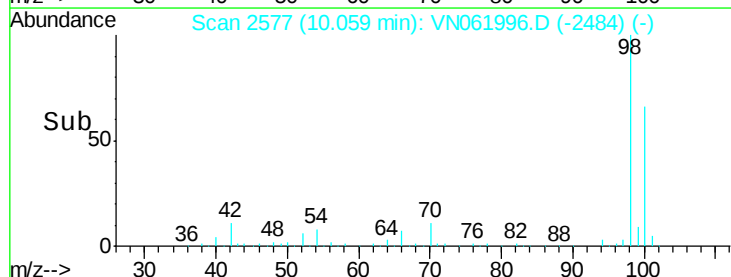
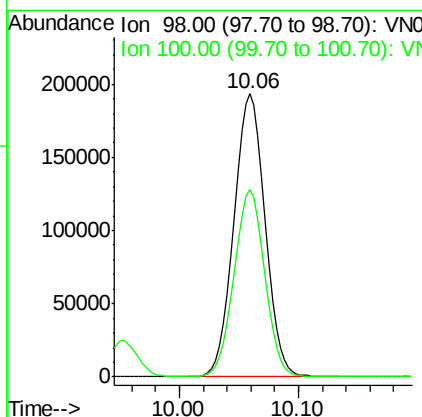
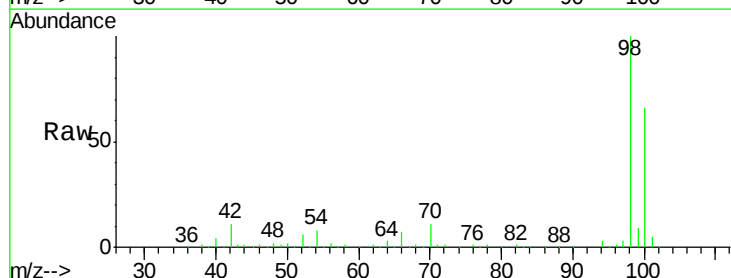
RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Tgt Ion:	98	Resp:	351607
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 114.509 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampled :

VN0622MBS01

Tot Ion: 43 Resp: 232238

Ion Ratio Lower Upper

43 100

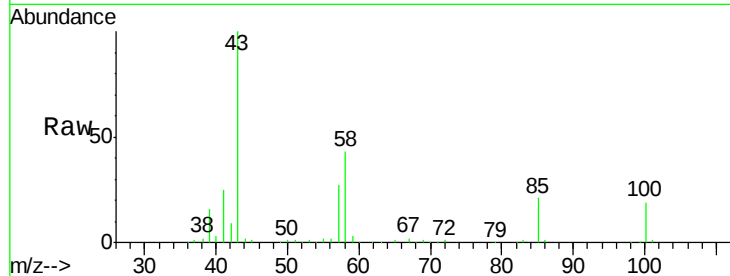
58 42.5 34.6 52.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

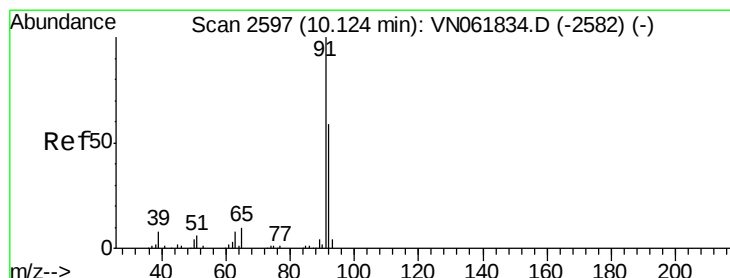
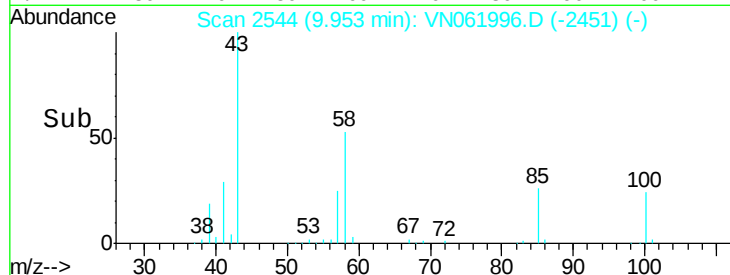
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 20.371 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061996.D

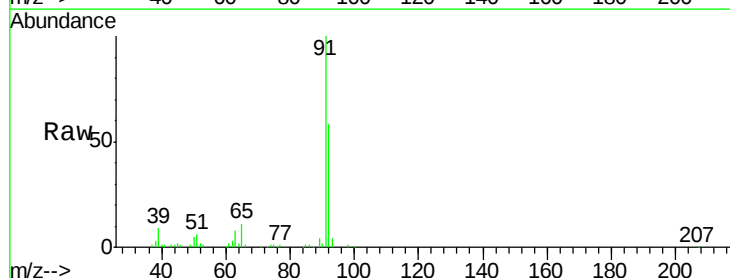
Acq: 22 Jun 2020 13:53

Tgt Ion: 92 Resp: 101068

Ion Ratio Lower Upper

92 100

91 172.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

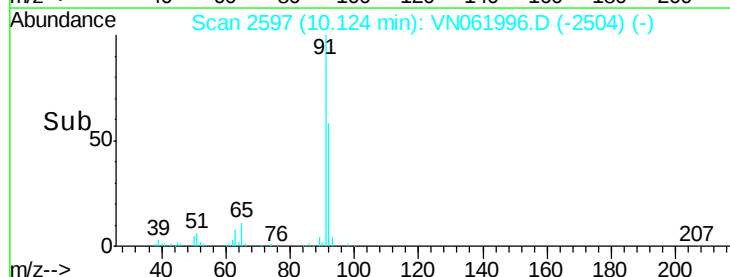
40000

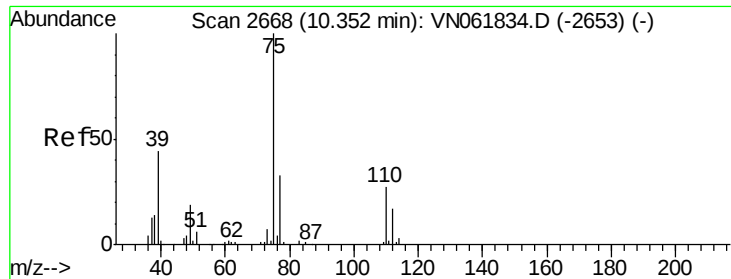
20000

0

10.05 10.10 10.15 10.20

Time-->





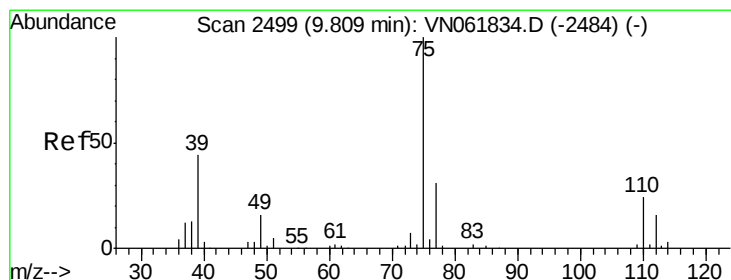
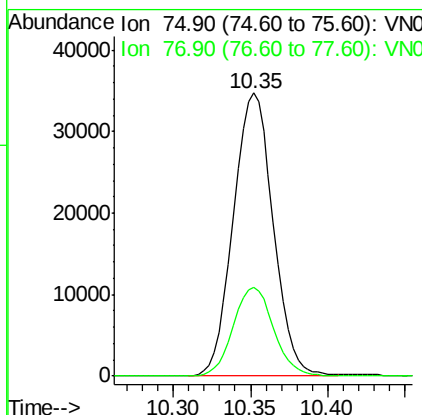
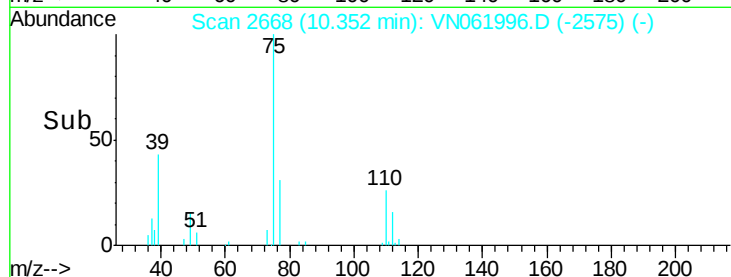
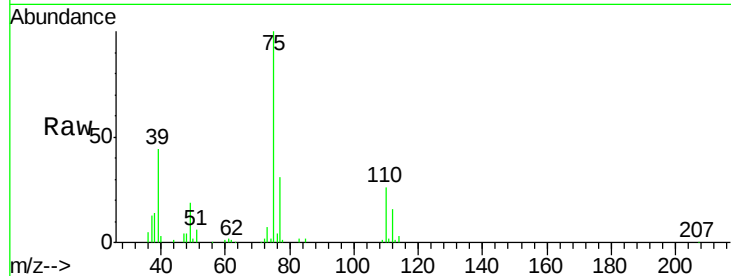
#53
t-1,3-Dichloropropene
Concen: 20.923 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion: 75 Resp: 62180
Ion Ratio Lower Upper
75 100
77 31.5 26.3 39.5

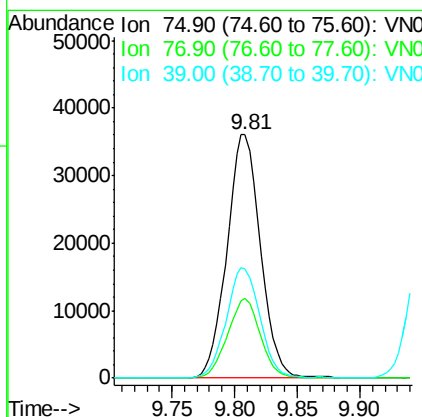
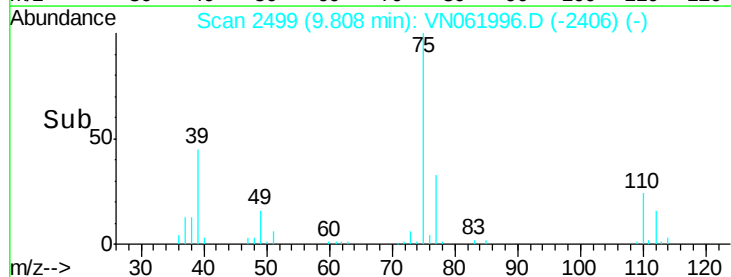
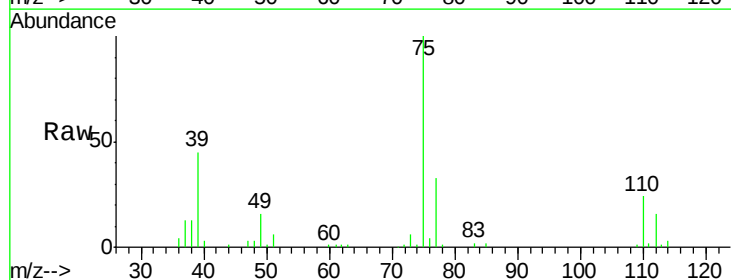
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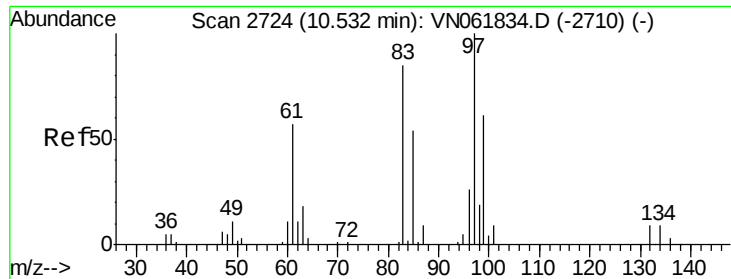
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#54
cis-1,3-Dichloropropene
Concen: 20.717 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion: 75 Resp: 66872
Ion Ratio Lower Upper
75 100
77 32.7 24.8 37.2
39 44.7 35.4 53.0





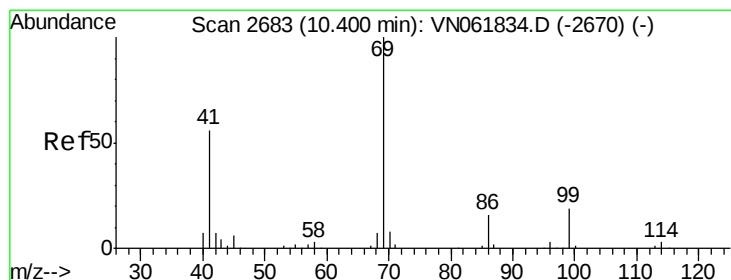
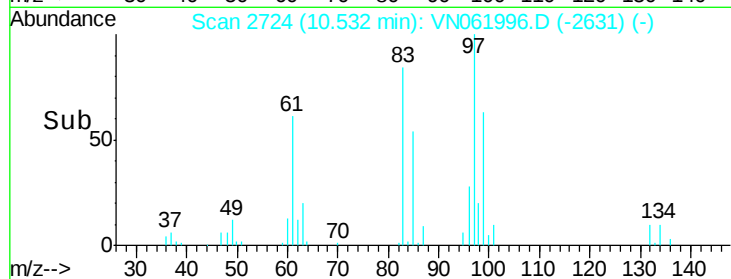
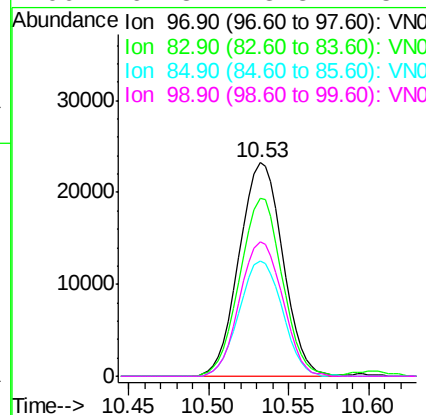
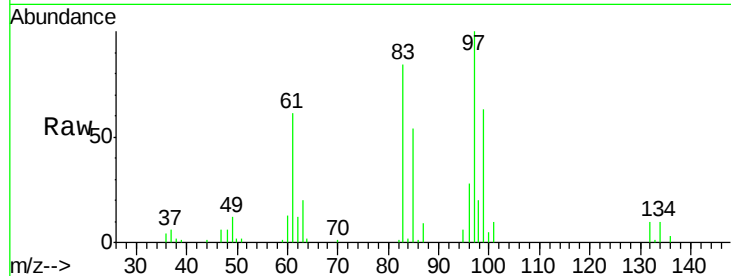
#55
 1,1,2-Trichloroethane
 Concen: 22.196 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.7	101.5
85	54.0	43.4	65.0
99	62.8	48.8	73.2

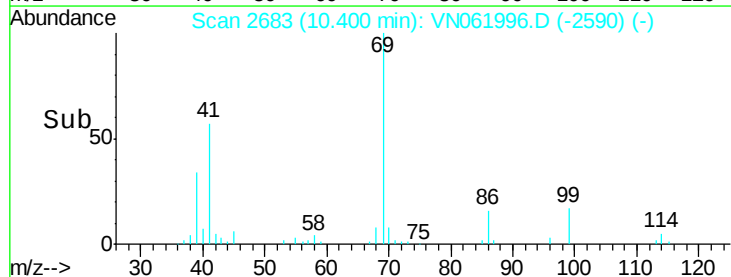
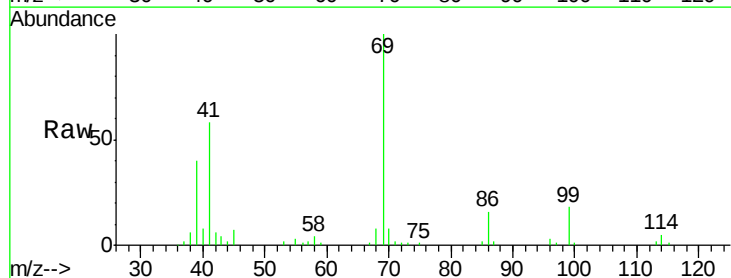
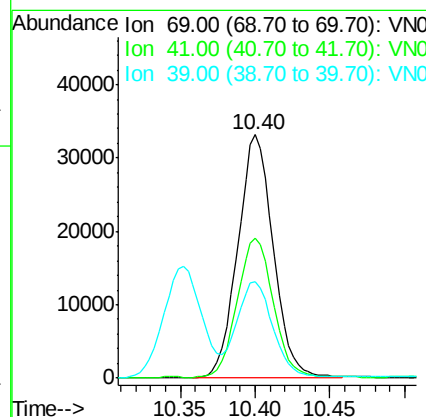
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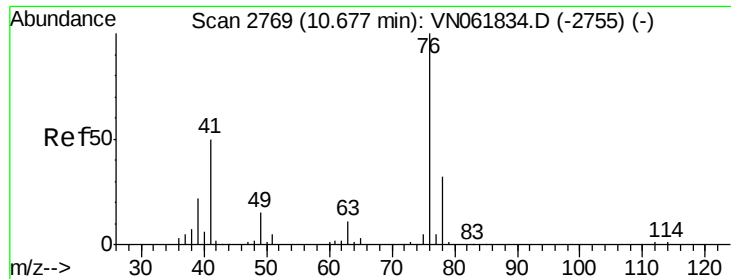
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#56
 Ethyl methacrylate
 Concen: 20.272 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.2	44.9	67.3
39	39.2	30.0	45.0





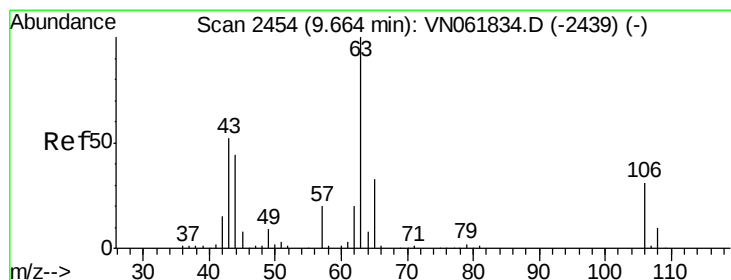
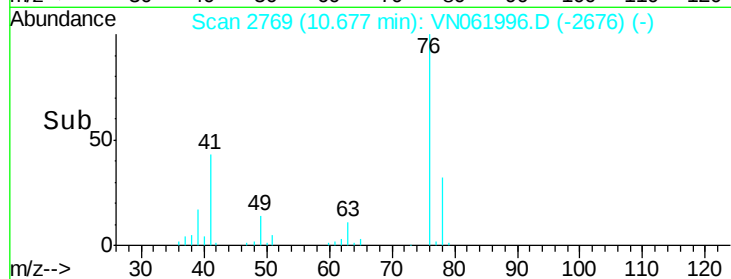
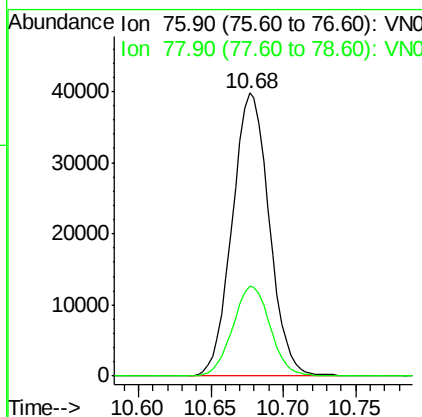
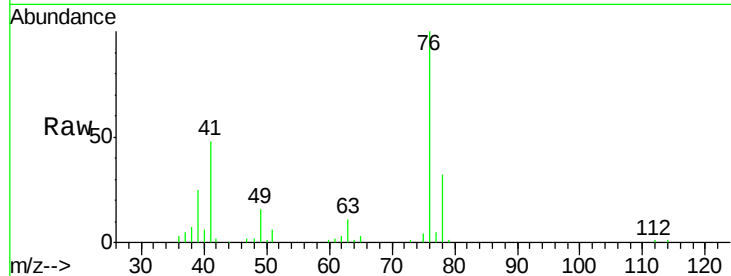
#57
 1,3-Dichloropropane
 Concen: 21.353 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

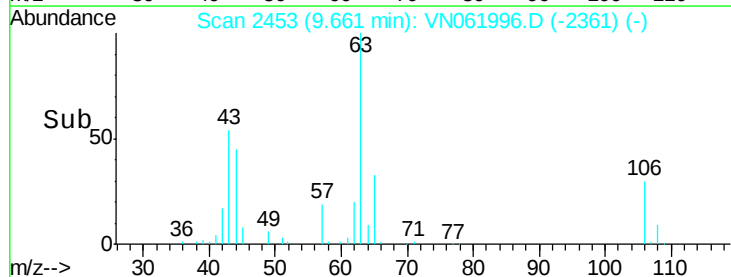
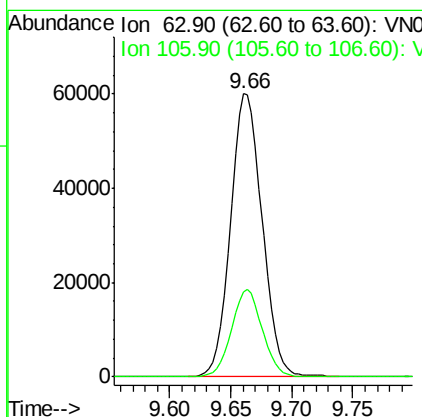
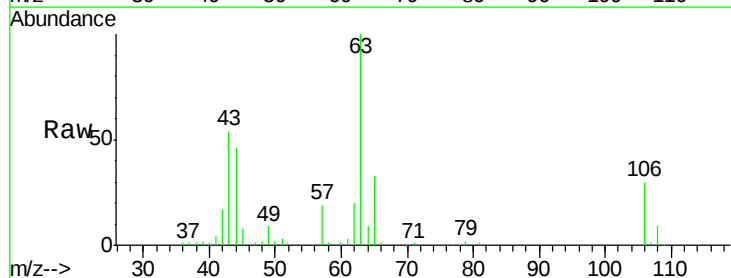
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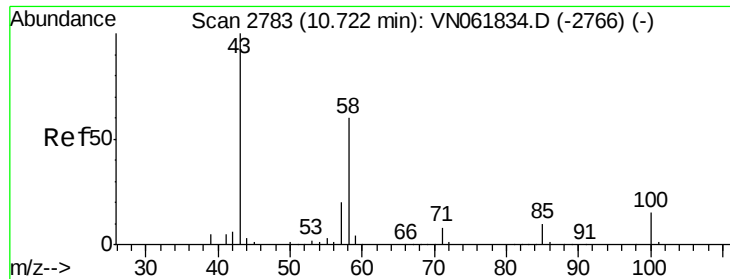
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#58
 2-Chloroethyl Vinyl ether
 Concen: 105.051 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.6	36.8





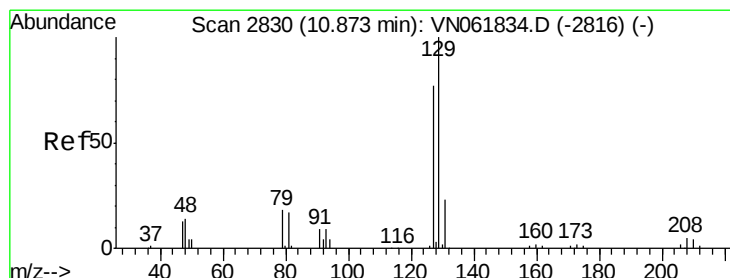
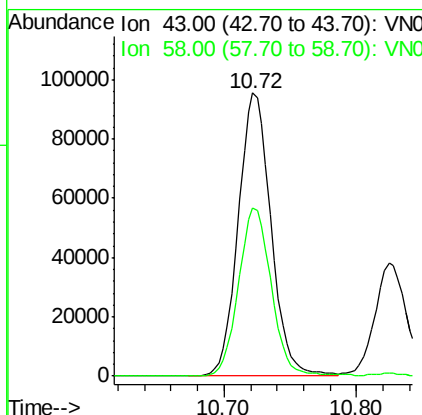
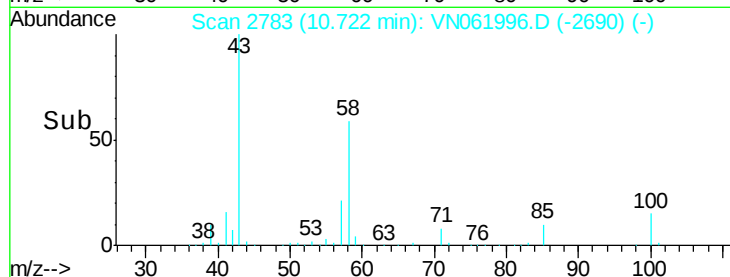
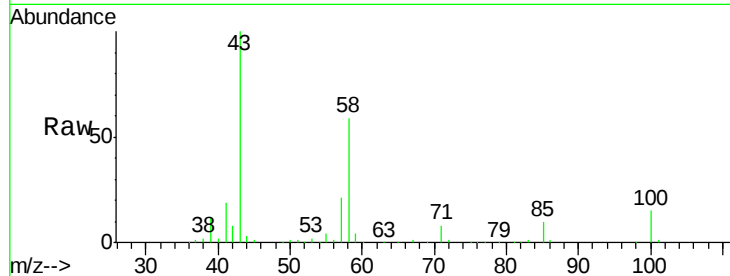
#59
2-Hexanone
Concen: 109.291 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampled :
VN0622MBS01

Tot Ion: 43 Resp: 164164
Ion Ratio Lower Upper
43 100
58 59.4 30.1 90.5

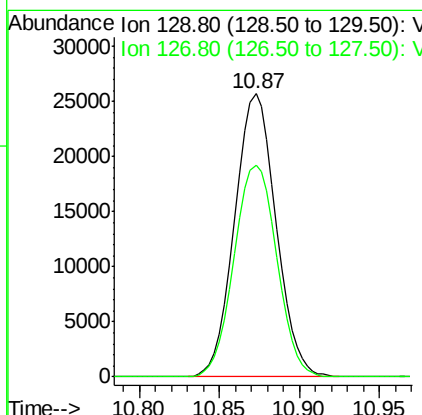
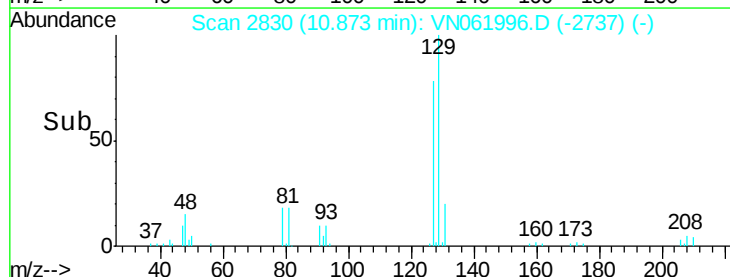
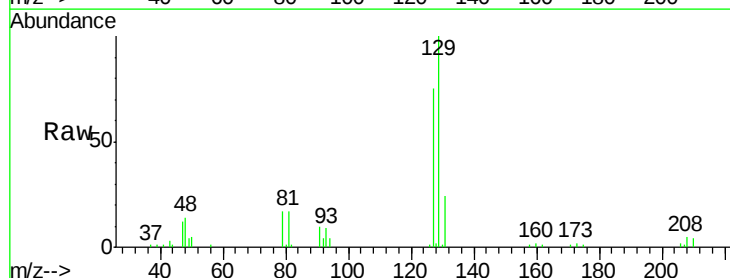
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#60
Dibromochloromethane
Concen: 20.803 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion: 129 Resp: 45314
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





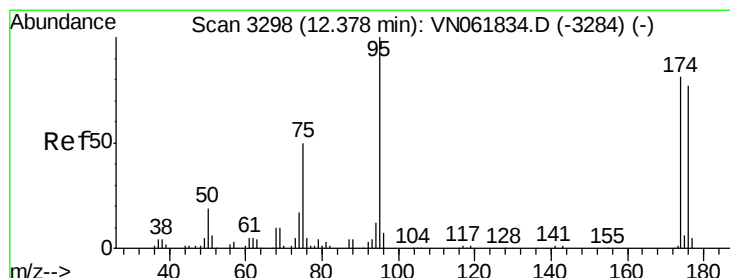
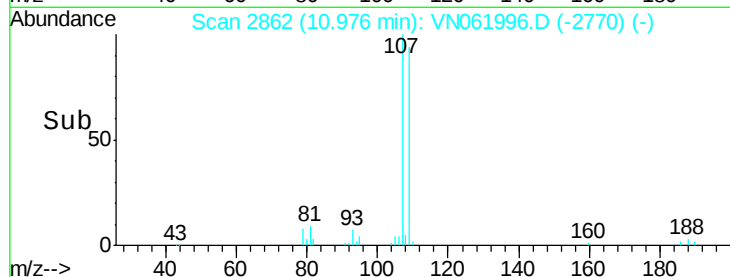
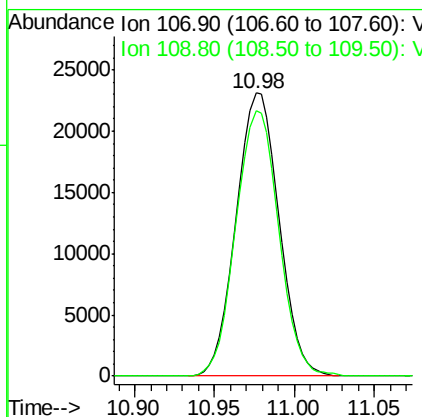
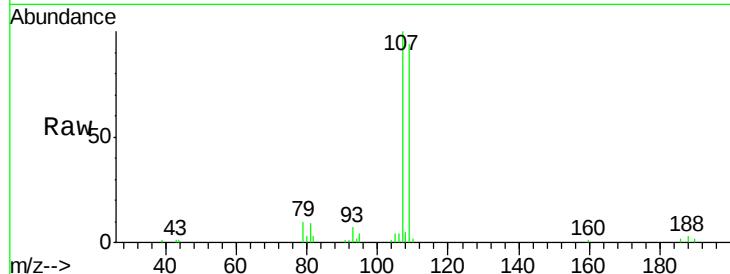
#61
 1,2-Dibromoethane
 Concen: 20.746 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622MBS01

Tot Ion:107 Resp: 42288
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.6

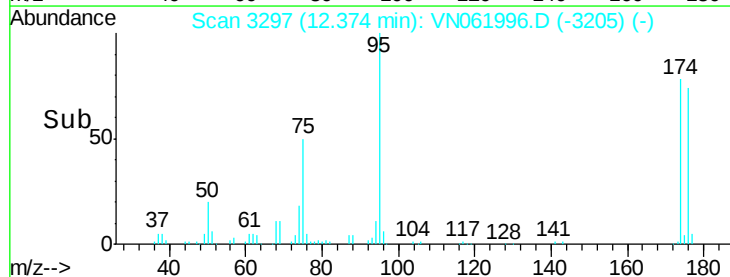
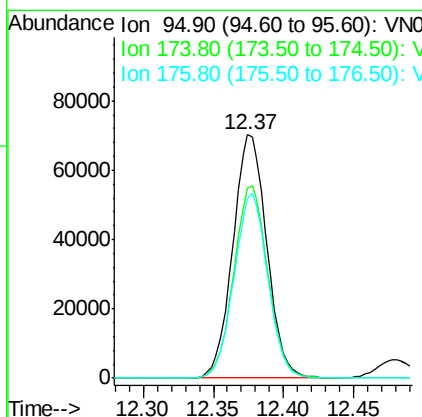
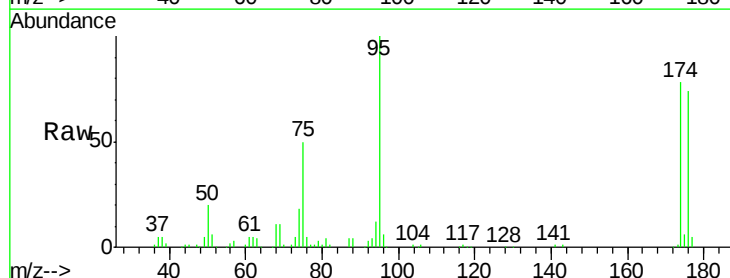
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 47.986 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Tgt Ion: 95 Resp: 118367
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 158.6
 176 75.5 0.0 152.0





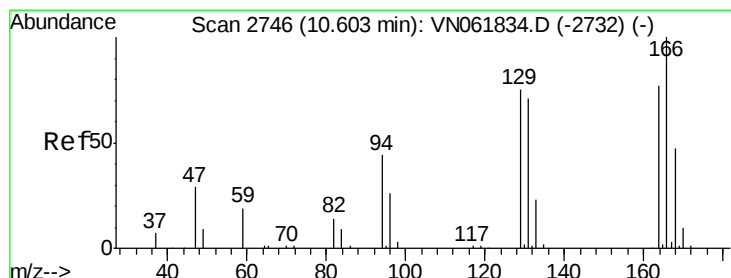
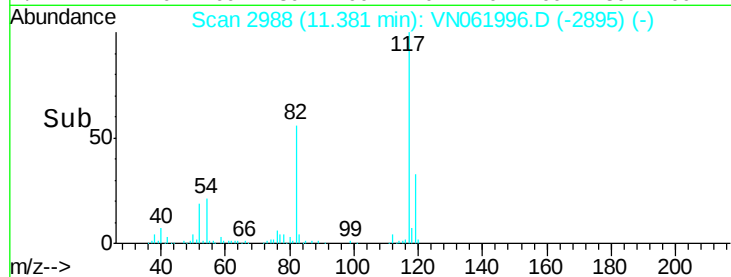
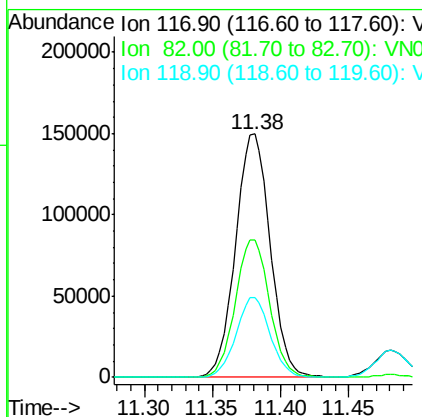
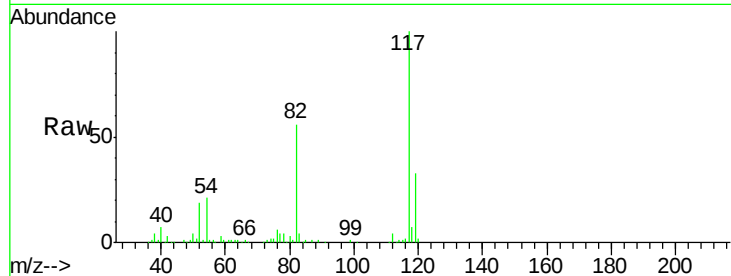
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	264162		
82	56.4	42.6	64.0	
119	32.9	24.7	37.1	

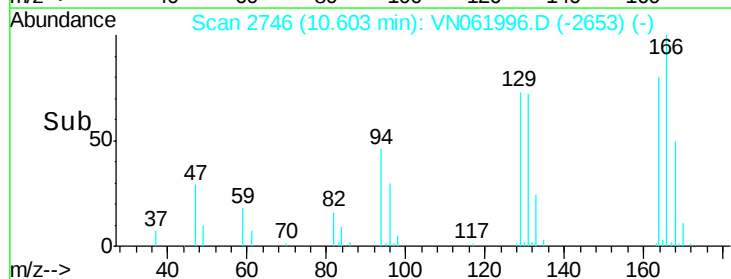
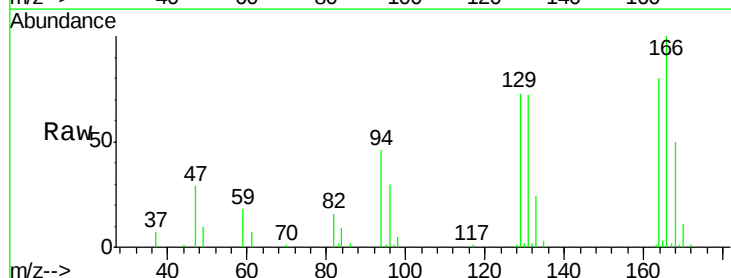
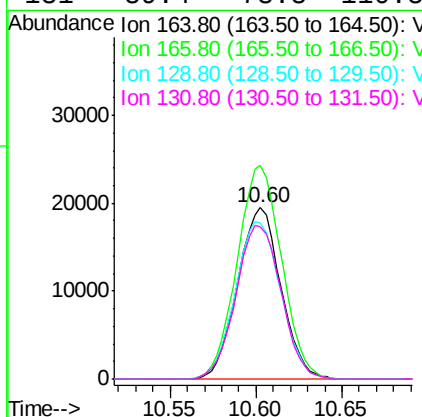
Manual Integrations
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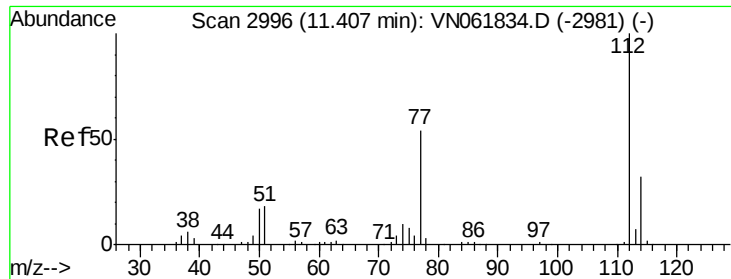
MMDadoda
6/23/2020 12:47:58 PM



#64
Tetrachloroethene
Concen: 20.218 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34041		
166	124.8	103.5	155.3	
129	91.3	77.5	116.3	
131	89.4	73.8	110.8	





#65

Chlorobenzene

Concen: 19.883 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0622MBS01

Tot Ion:112 Resp: 110831

Ion Ratio Lower Upper

112 100

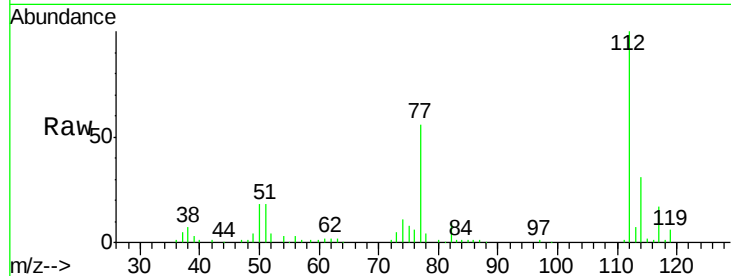
114 31.1 25.8 38.6

Manual Integrations

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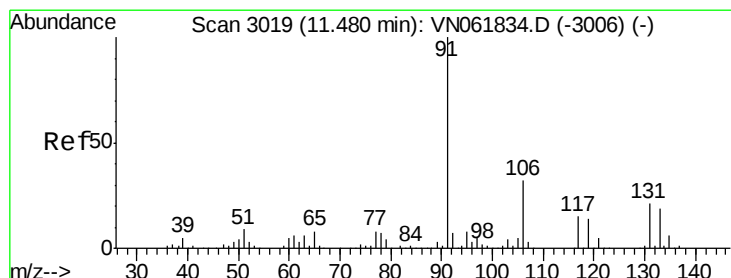
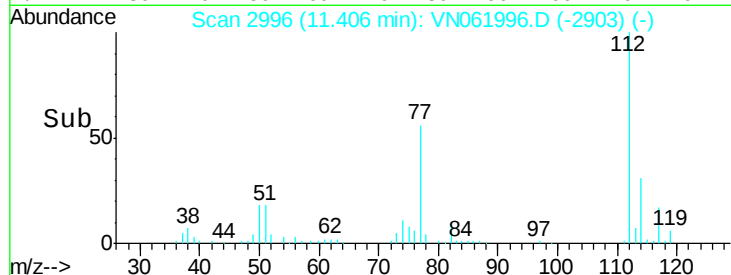
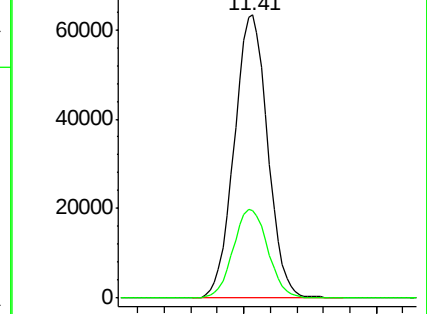
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.713 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

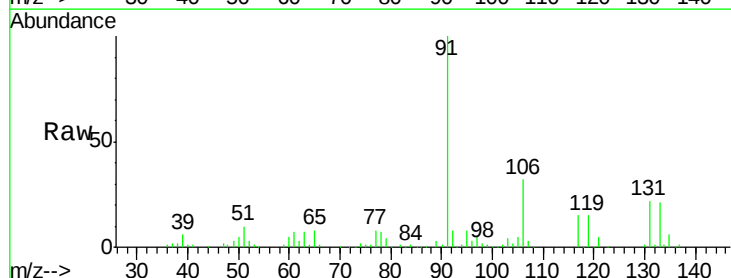
Tgt Ion:131 Resp: 40266

Ion Ratio Lower Upper

131 100

133 97.7 47.5 142.5

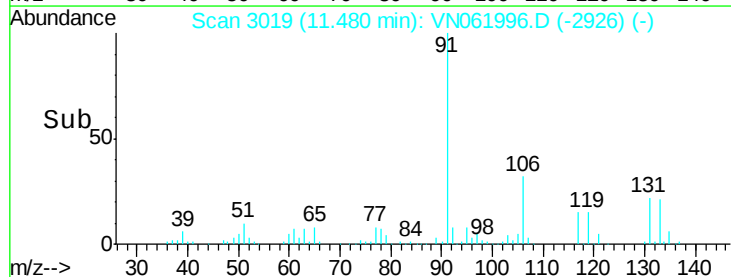
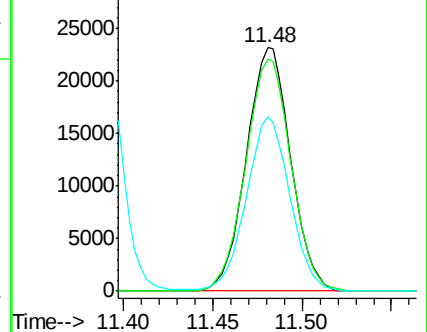
119 70.5 34.0 101.8



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





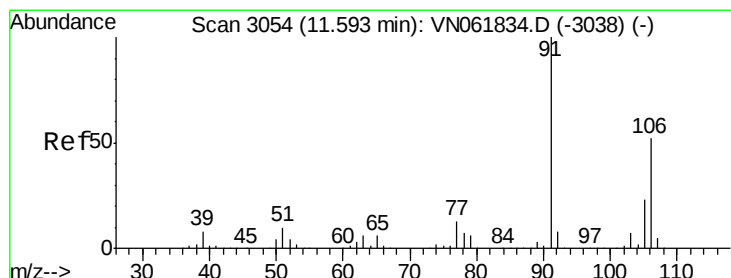
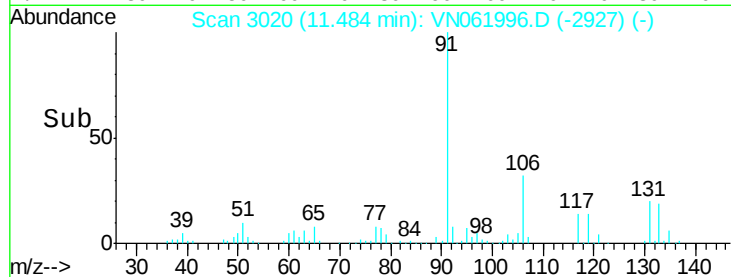
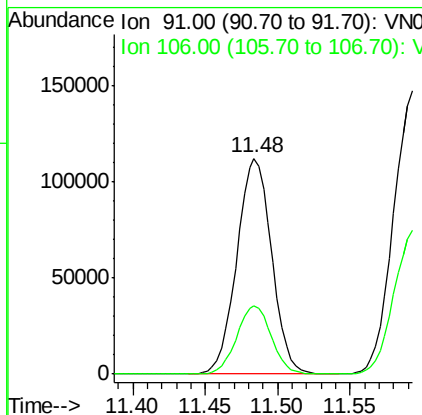
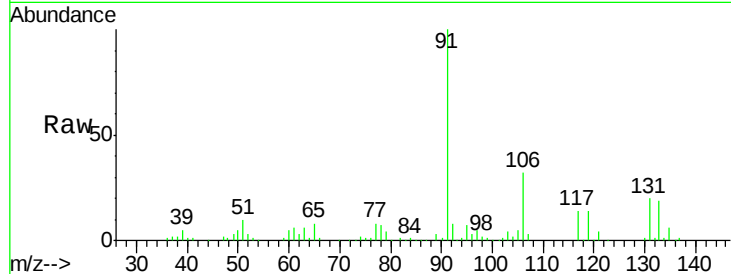
#67
Ethyl Benzene
Concen: 20.043 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampled :
VN0622MBS01

Tot Ion: 91 Resp: 187314
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

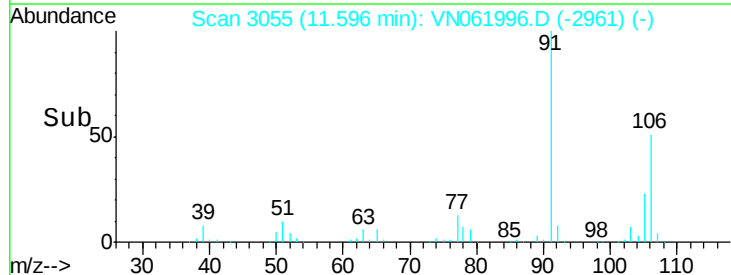
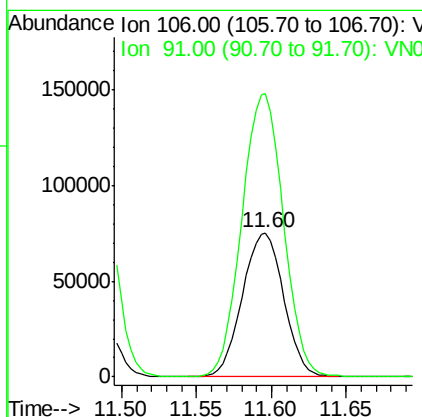
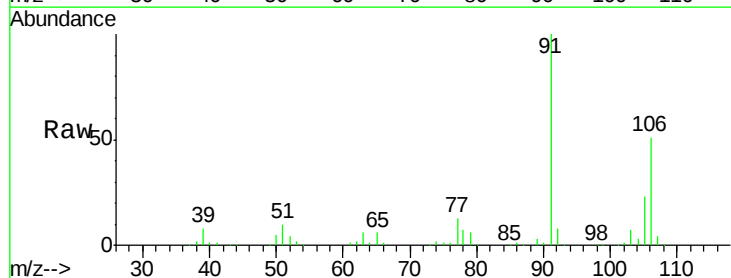
Manual Integrations
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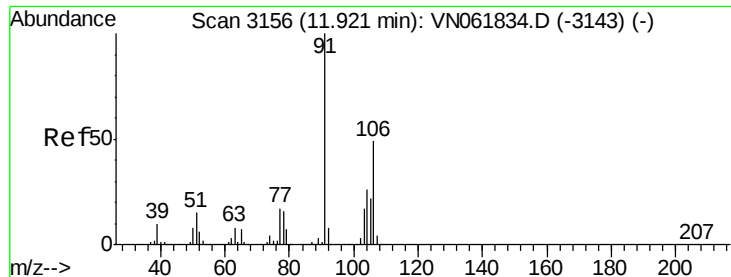
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#68
m/p-Xylenes
Concen: 40.241 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion: 106 Resp: 145016
Ion Ratio Lower Upper
106 100
91 196.9 157.0 235.6





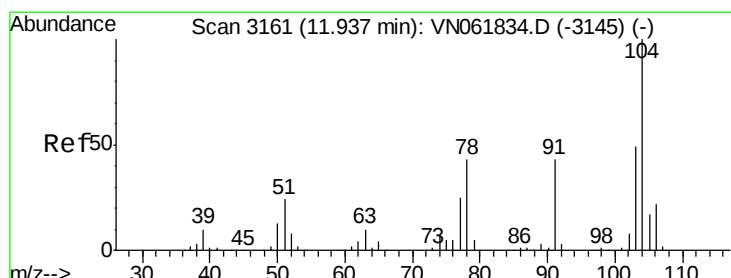
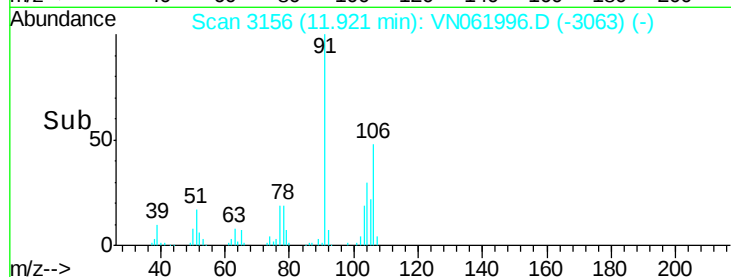
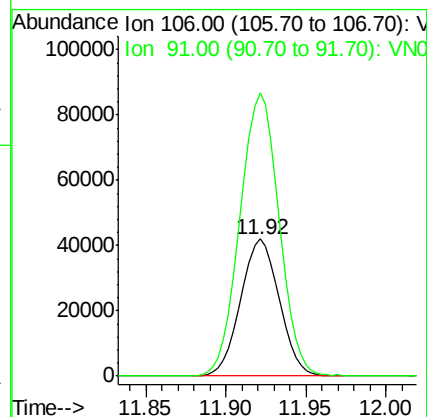
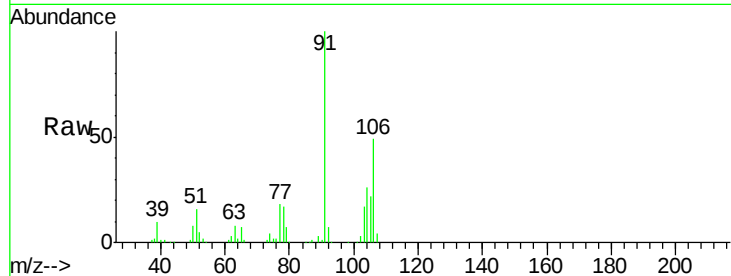
#69
o-Xylene
Concen: 20.147 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion:106 Resp: 69273
Ion Ratio Lower Upper
106 100
91 209.3 103.0 308.9

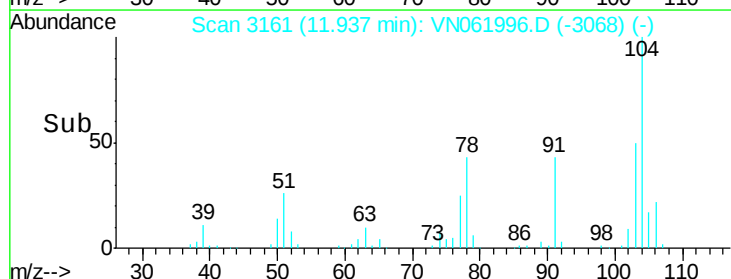
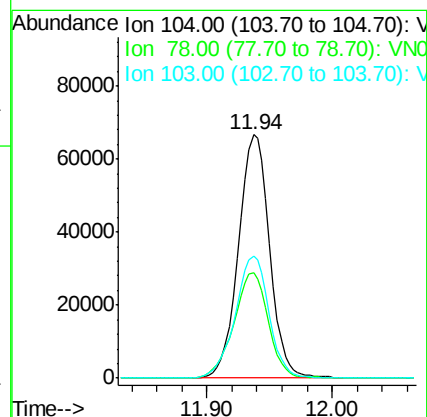
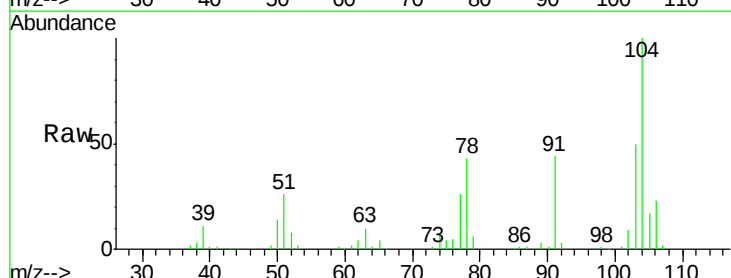
Manual Integrations
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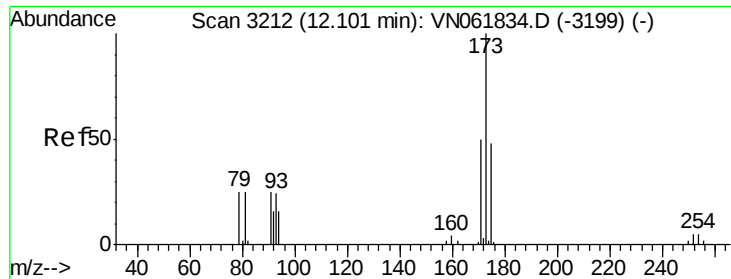
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#70
Styrene
Concen: 20.002 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion:104 Resp: 115159
Ion Ratio Lower Upper
104 100
78 47.9 37.6 56.4
103 54.3 43.0 64.4





#71

Bromoform

Concen: 20.849 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0622MBS01

Tot Ion:173 Resp: 29553

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.7

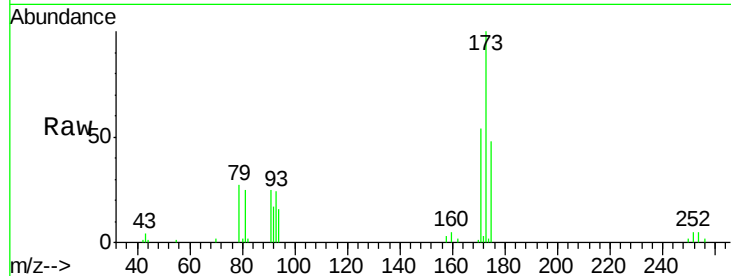
254 0.0 0.0 0.0

Manual Integrations

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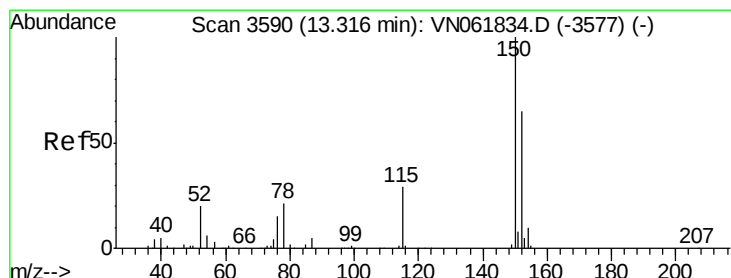
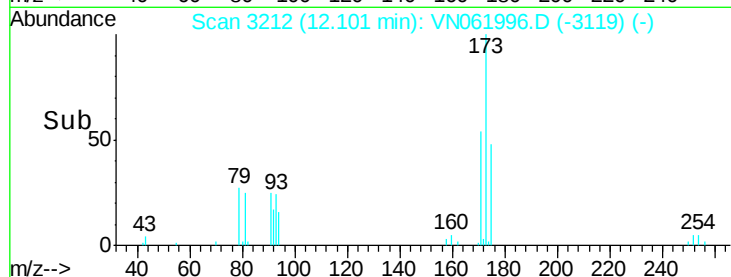
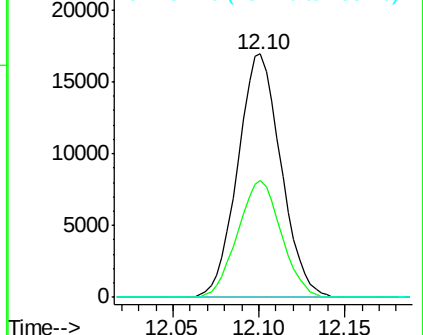
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

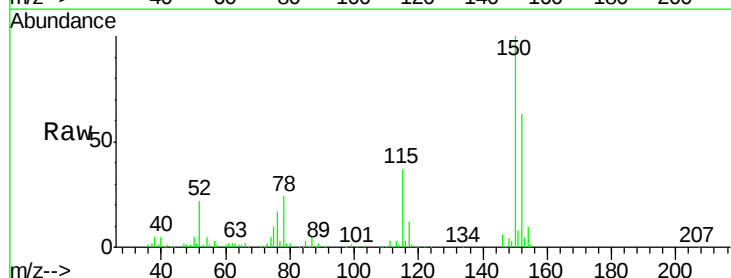
Tgt Ion:152 Resp: 123856

Ion Ratio Lower Upper

152 100

115 59.0 29.1 87.3

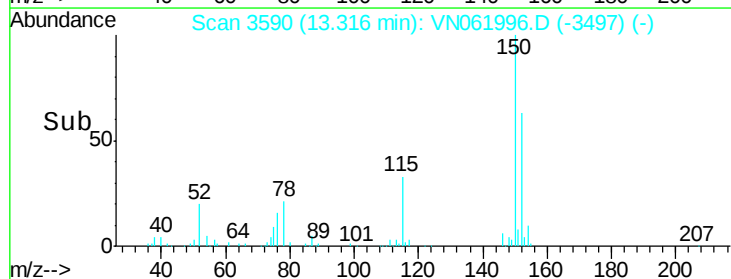
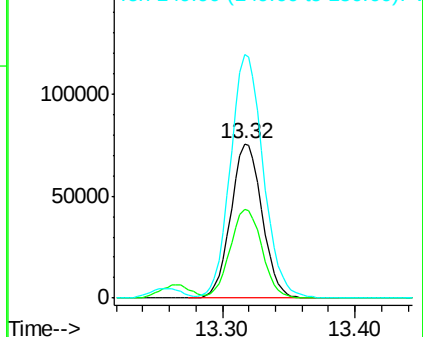
150 166.5 0.0 347.6

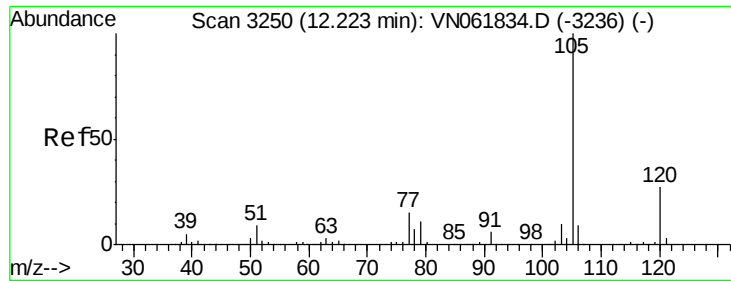


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.454 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0622MBS01

Tot Ion: 105 Resp: 180021

Ion Ratio Lower Upper

105 100

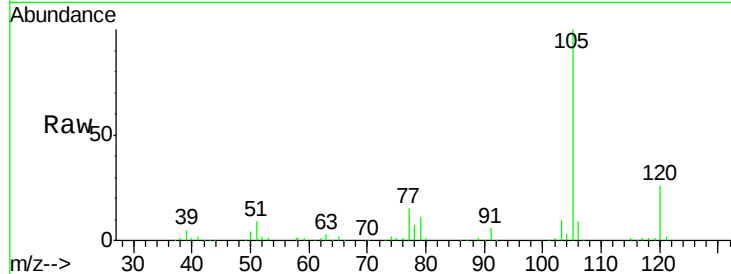
120 26.7 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

120000

100000

80000

60000

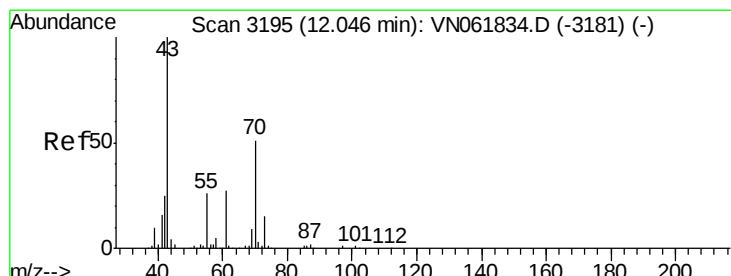
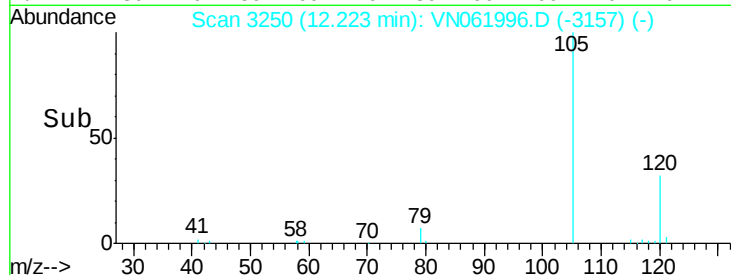
40000

20000

0

Time-->

12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.044 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Tgt Ion: 43 Resp: 61048

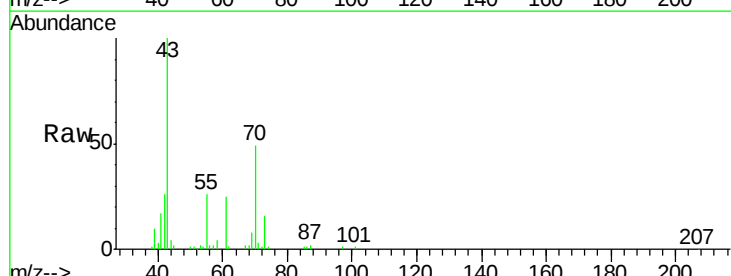
Ion Ratio Lower Upper

43 100

70 48.8 40.6 60.8

55 28.1 21.5 32.3

61 25.8 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

60000

50000

40000

30000

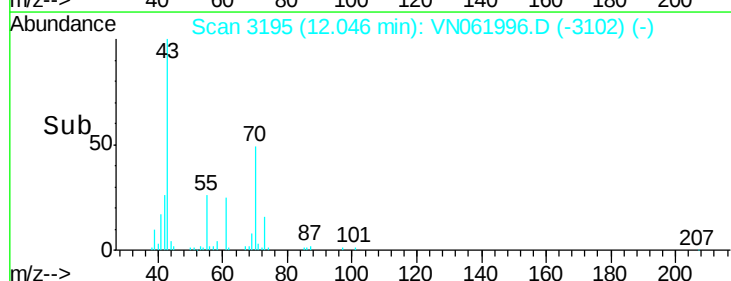
20000

10000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 22.037 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

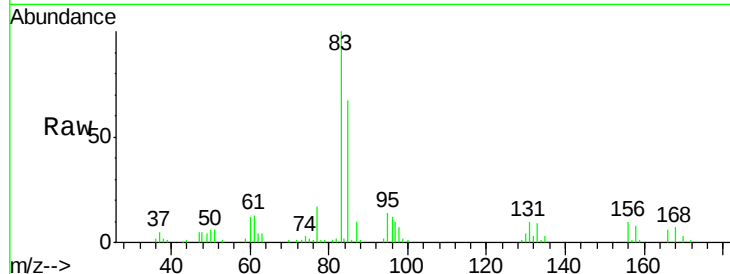
ClientSampleId :

VN0622MBS01

Tot Ion:	83	Resp:	63060
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	15.0
85	64.6	32.4	97.2

Manual Integrations
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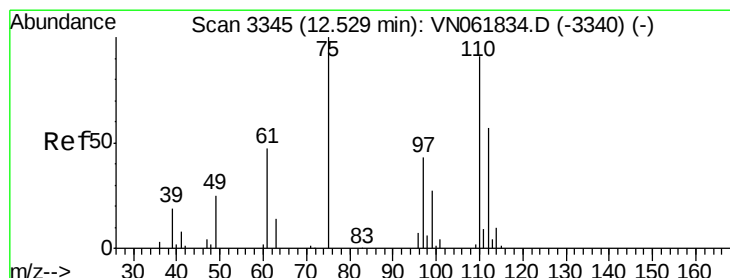
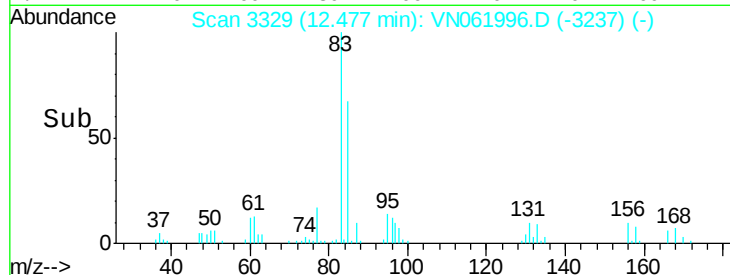
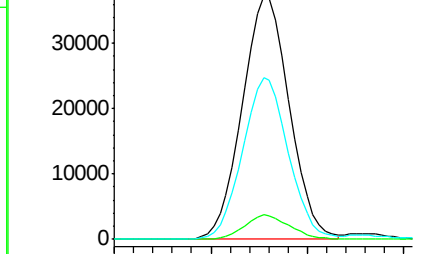
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN061996.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061996.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061996.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 22.833 ug/l m

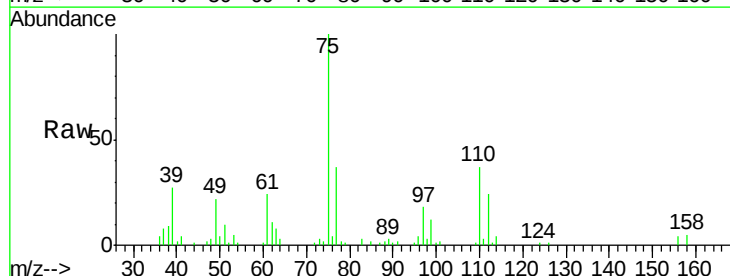
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061996.D

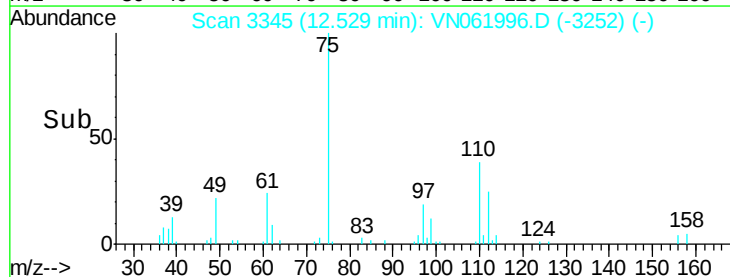
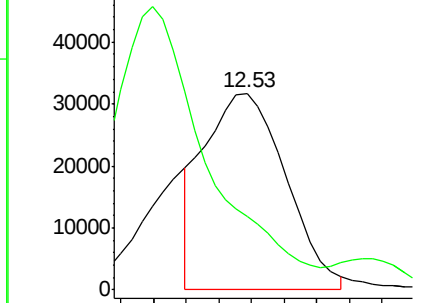
Acq: 22 Jun 2020 13:53

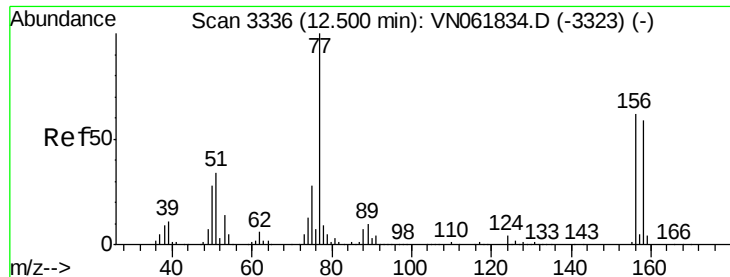
Tgt Ion:	75	Resp:	55521
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061996.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061996.D (-3252) (-)





#77

Bromobenzene

Concen: 20.868 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

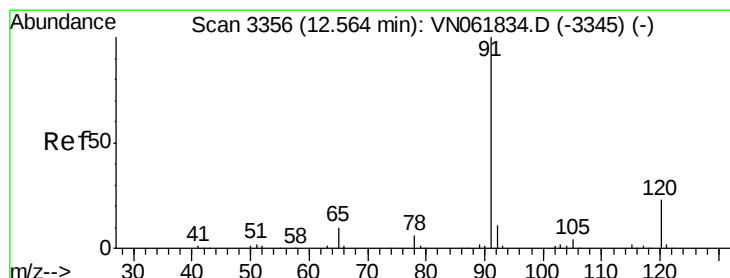
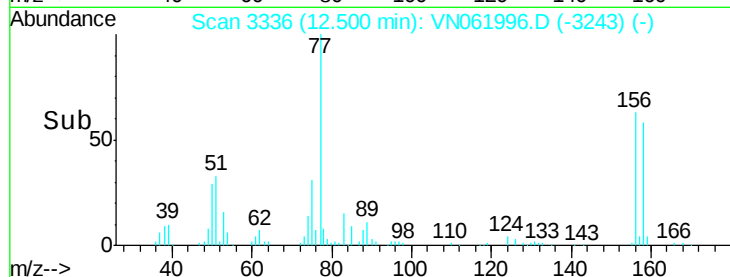
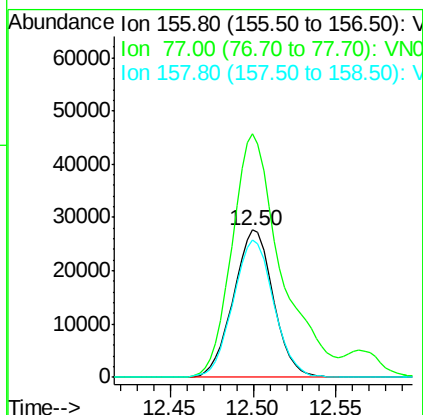
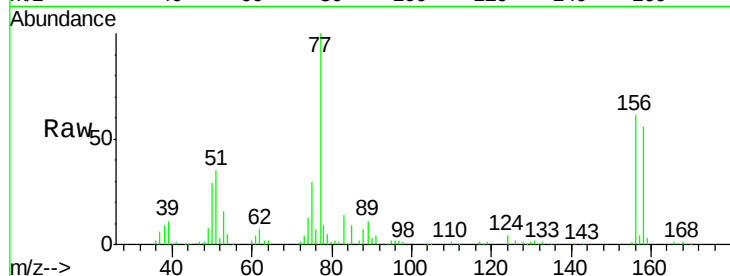
ClientSampleId :

VN0622MBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	203.3	100.7	302.1	
158	94.6	48.5	145.5	

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#78

n-propylbenzene

Concen: 20.633 ug/l

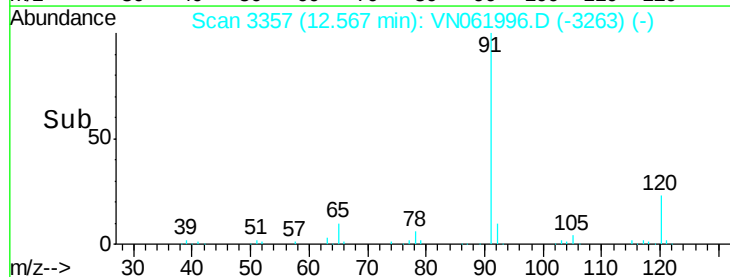
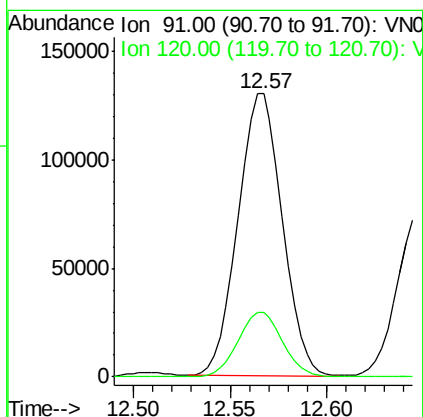
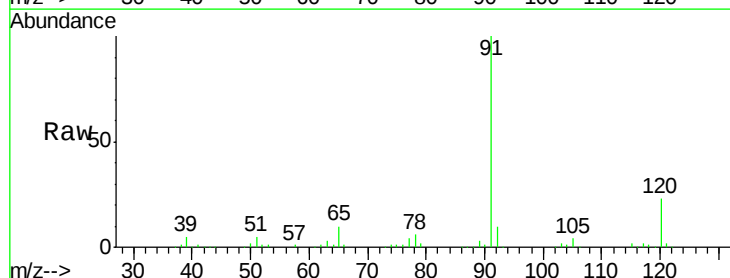
RT: 12.57 min Scan# 3357

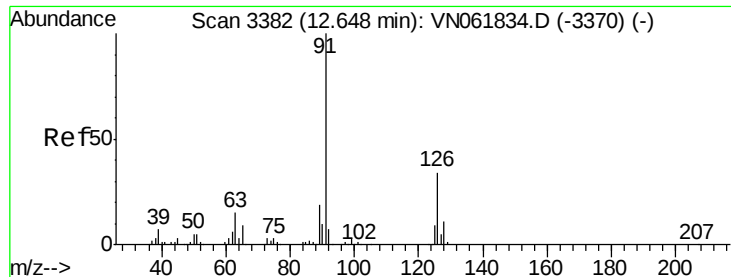
Delta R.T. 0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.6	34.8	





#79

2-Chlorotoluene

Concen: 20.873 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0622MBS01

Tot Ion: 91 Resp: 125899

Ion Ratio Lower Upper

91 100

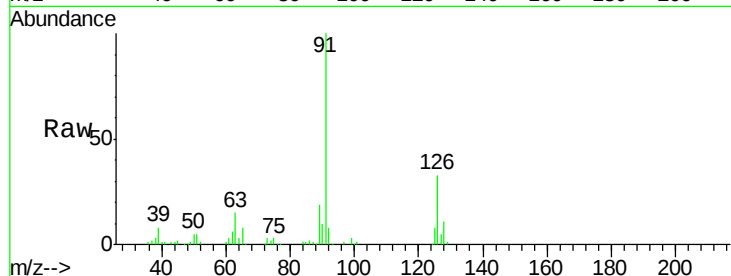
126 34.0 17.3 51.7

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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) (-)

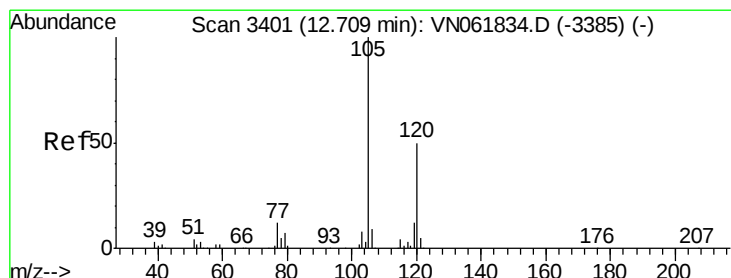
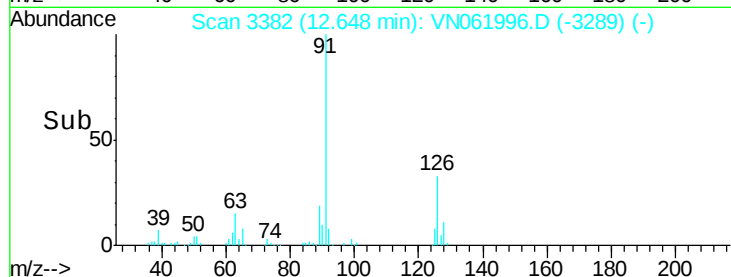
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.662 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061996.D

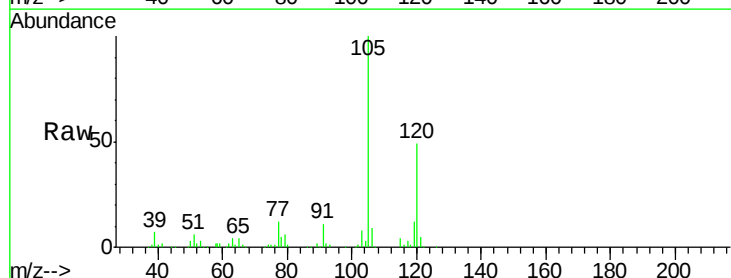
Acq: 22 Jun 2020 13:53

Tgt Ion: 105 Resp: 150451

Ion Ratio Lower Upper

105 100

120 49.8 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) (-)

100000

80000

60000

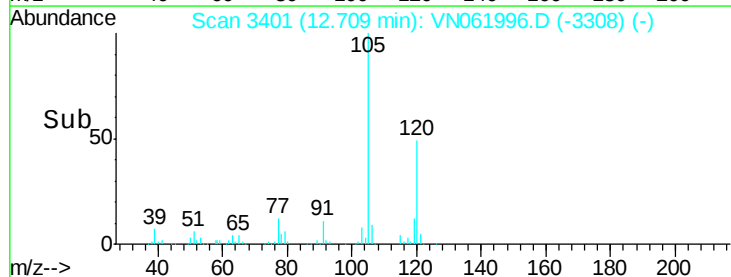
40000

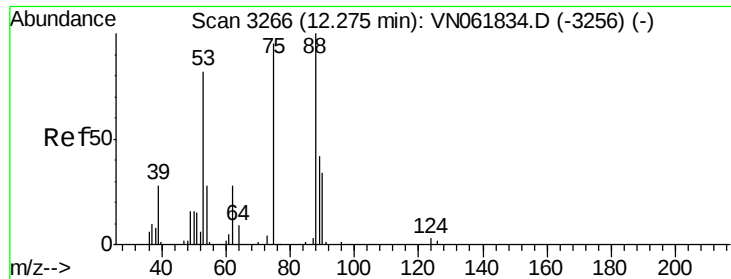
20000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.817 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

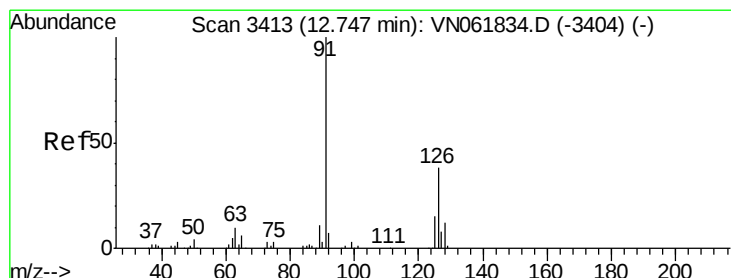
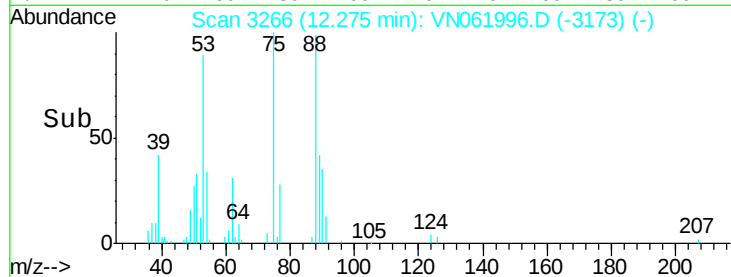
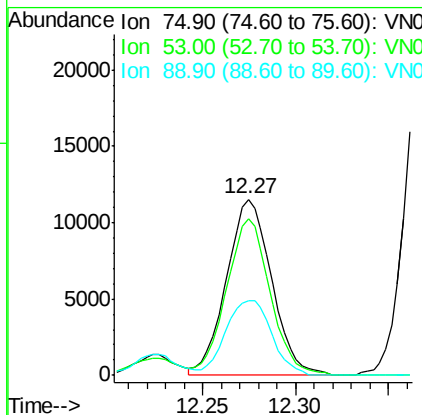
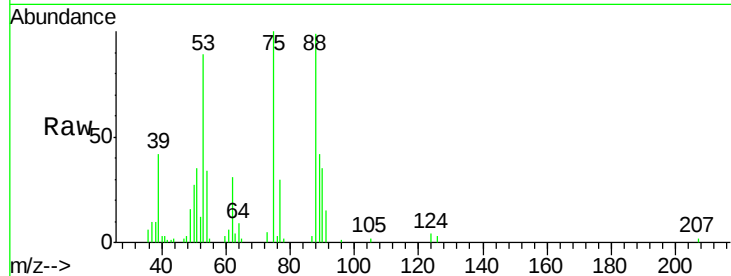
ClientSampleId :

VN0622MBS01

Tot Ion:	75	Resp:	19451
Ion	Ratio	Lower	Upper
75	100		
53	86.1	70.4	105.6
89	43.4	36.0	54.0

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#82

4-Chlorotoluene

Concen: 20.584 ug/l

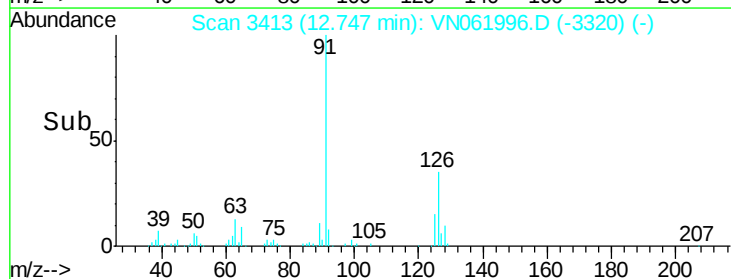
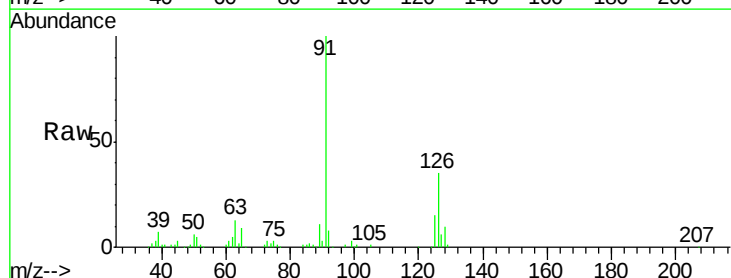
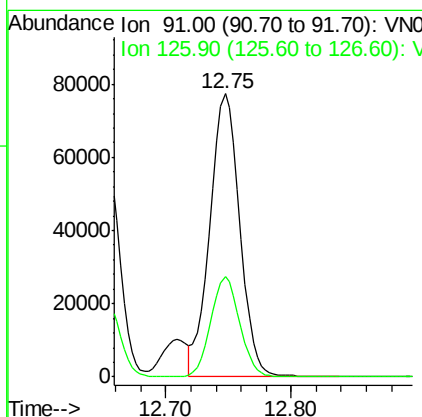
RT: 12.75 min Scan# 3413

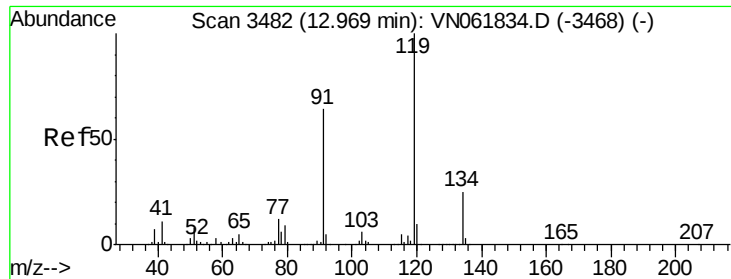
Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Tgt Ion:	91	Resp:	128288
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.2	51.6





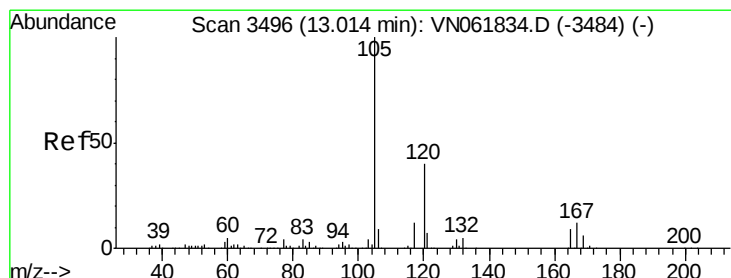
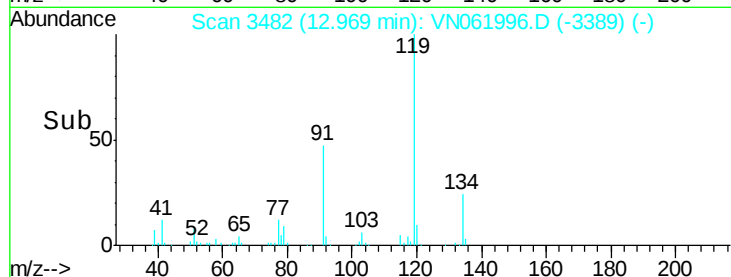
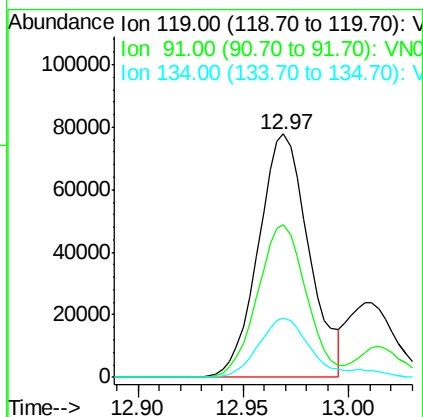
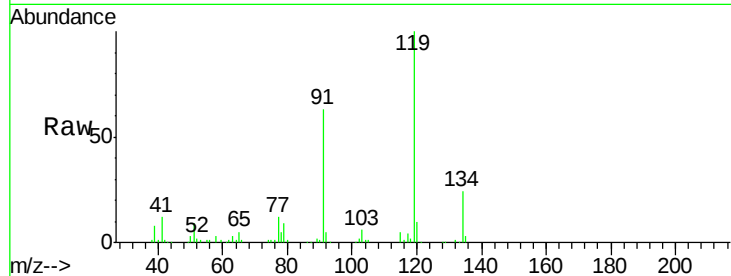
#83
tert-Butylbenzene
Concen: 20.969 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129446		
91	61.1		31.5	94.5
134	24.3		13.3	39.9

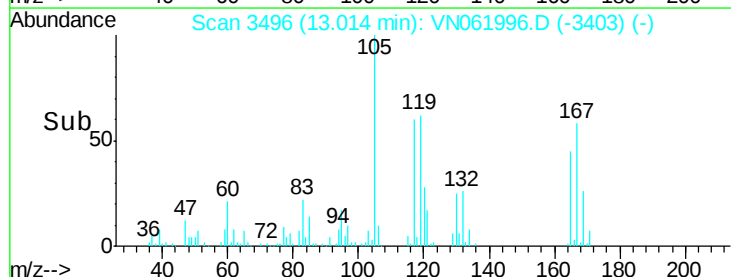
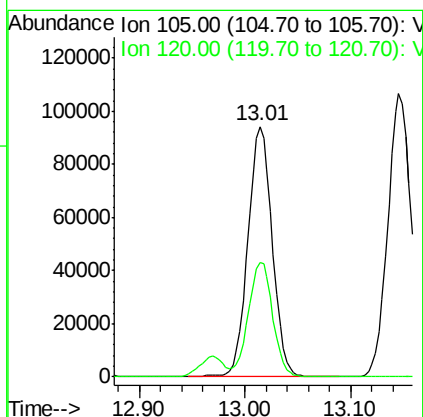
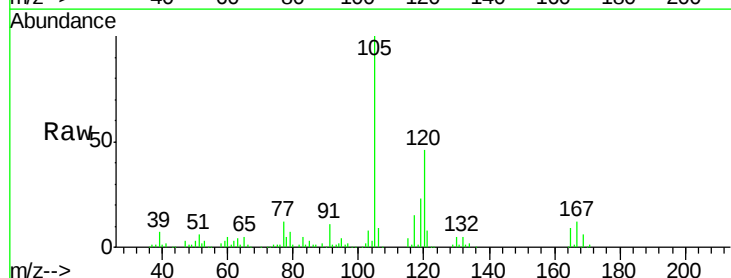
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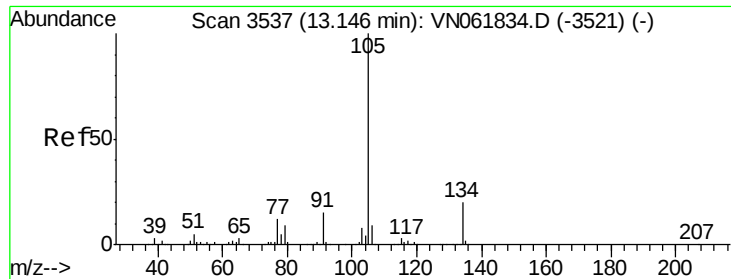
MMDadoda
6/23/2020 12:47:58 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.116 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151781		
120	45.9		23.3	69.9





#85

sec-Butylbenzene

Concen: 20.749 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0622MBS01

Tot Ion:105 Resp: 167647

Ion Ratio Lower Upper

105 100

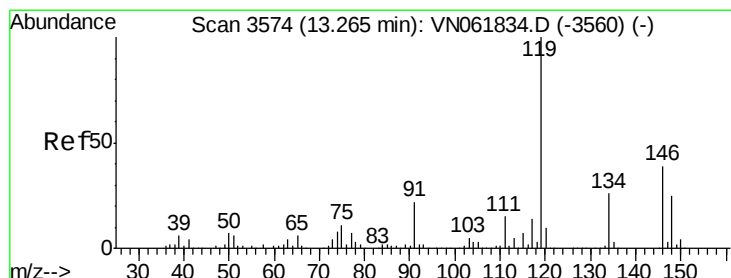
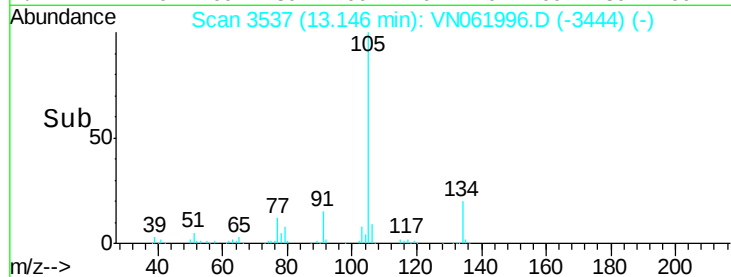
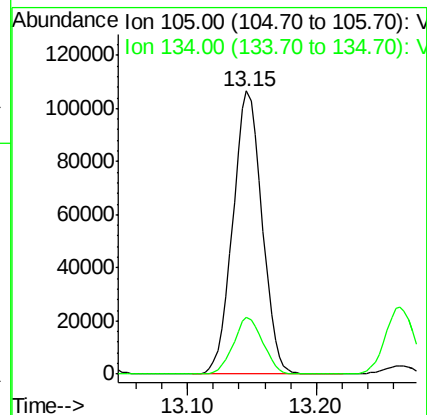
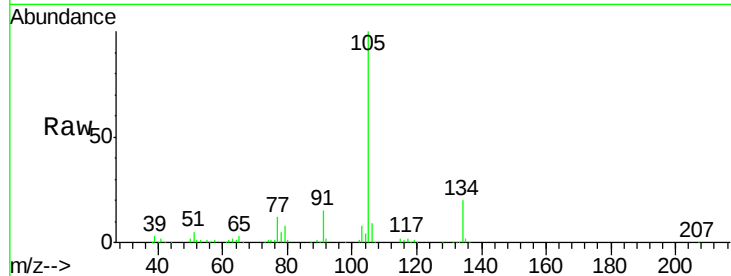
134 20.1 10.1 30.1

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6/23/2020 12:47:58 PM



#86

p-Isopropyltoluene

Concen: 21.006 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061996.D

Acq: 22 Jun 2020 13:53

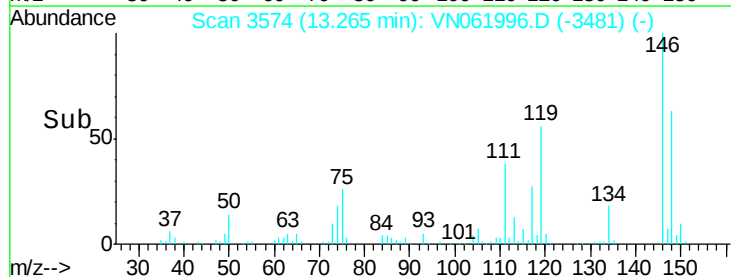
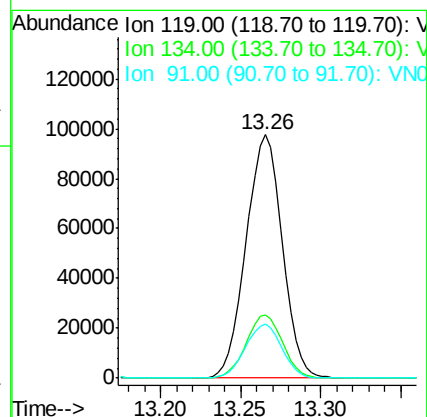
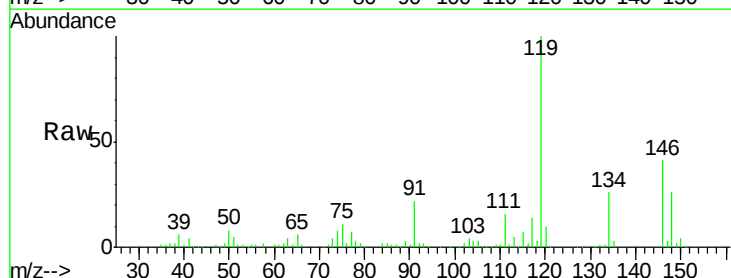
Tgt Ion:119 Resp: 151240

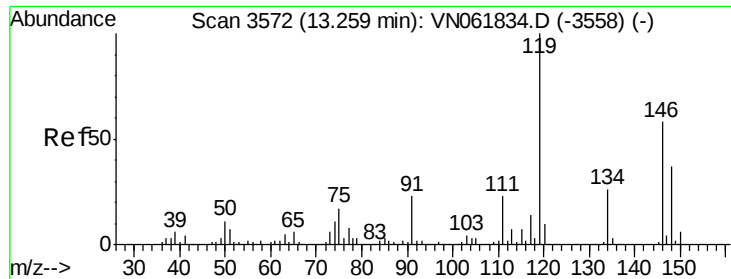
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 22.3 11.2 33.6





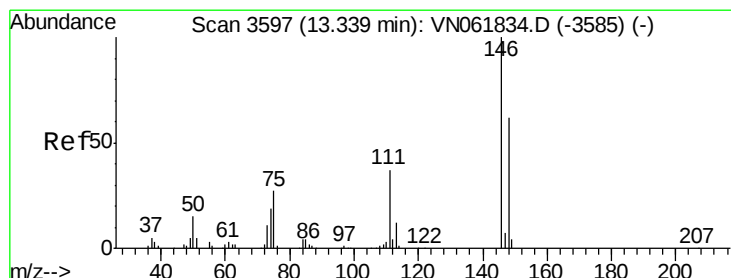
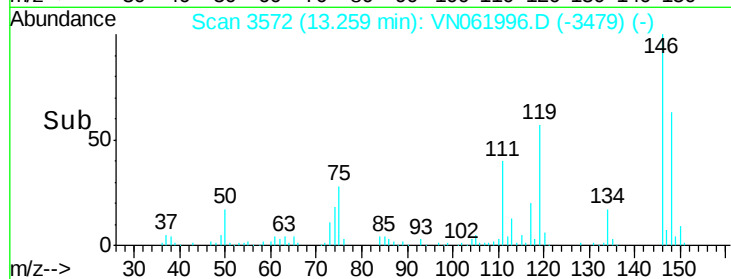
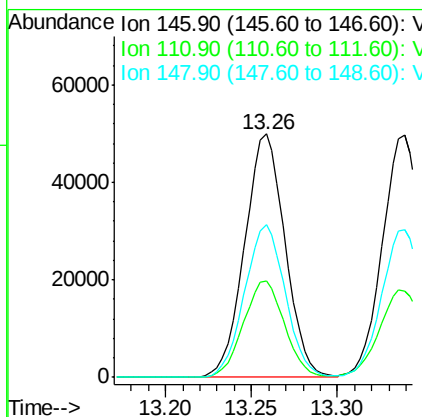
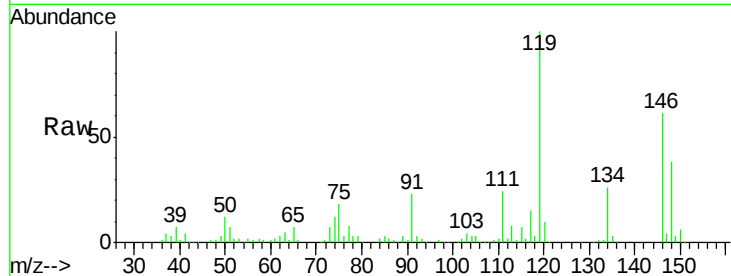
#87
 1,3-Dichlorobenzene
 Concen: 20.184 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.8
148	63.0	31.8	95.4

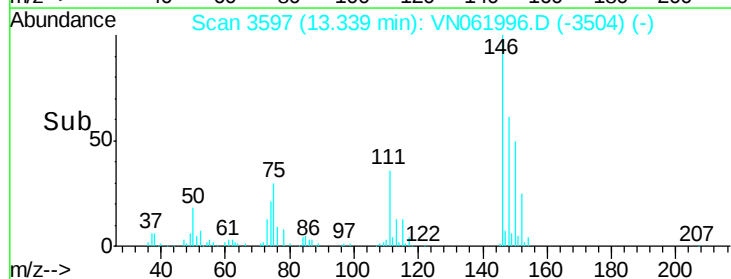
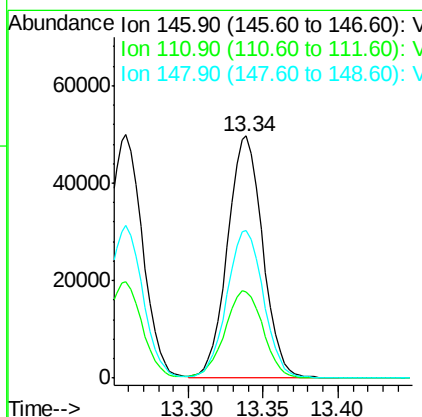
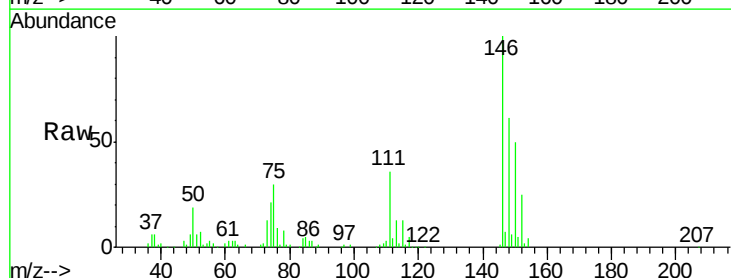
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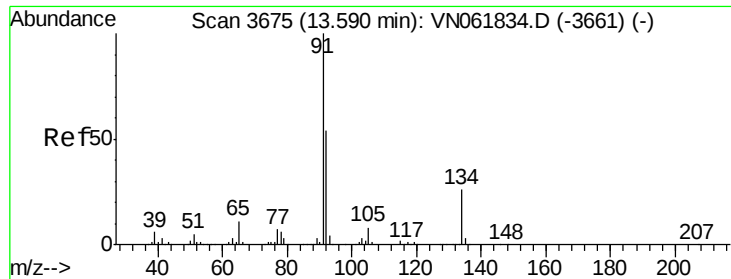
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#88
 1,4-Dichlorobenzene
 Concen: 19.703 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.8
148	63.4	31.6	94.7





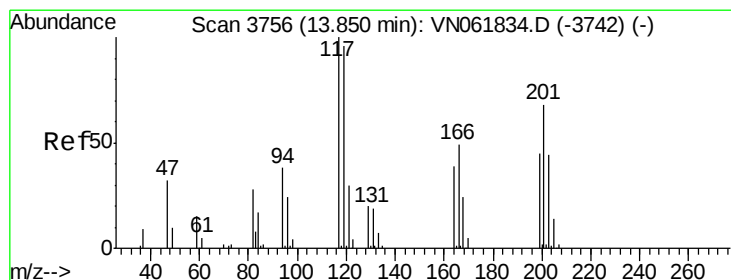
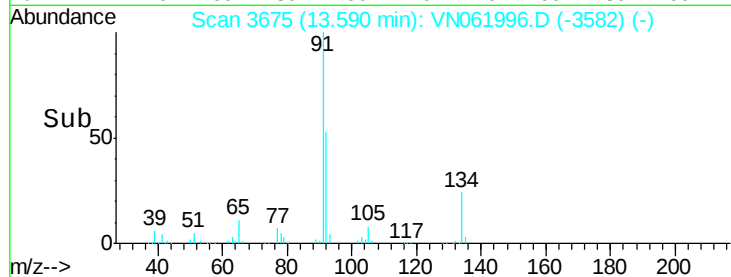
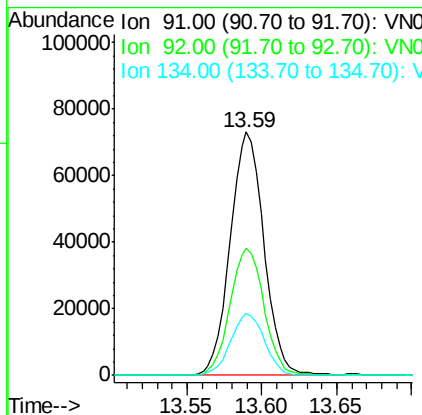
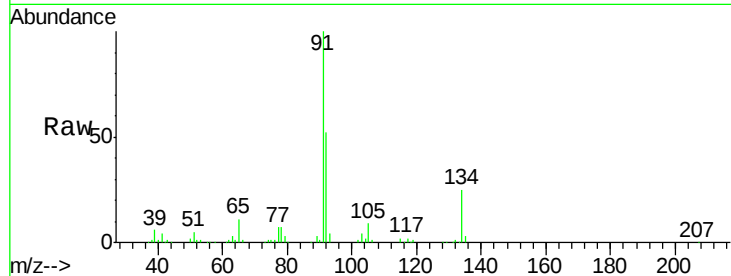
#89
n-Butylbenzene
Concen: 19.140 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.0	80.8
134	25.5	13.0	39.0

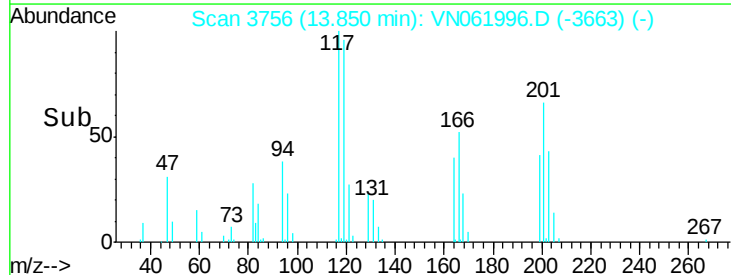
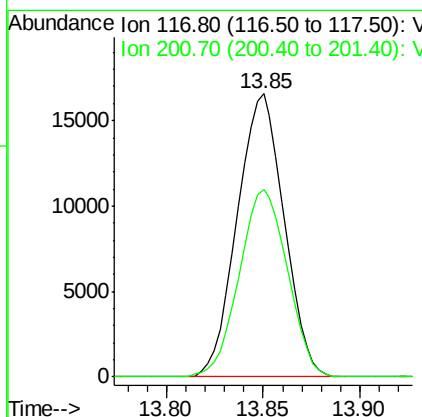
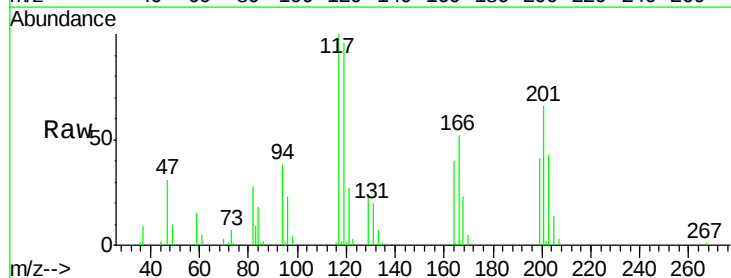
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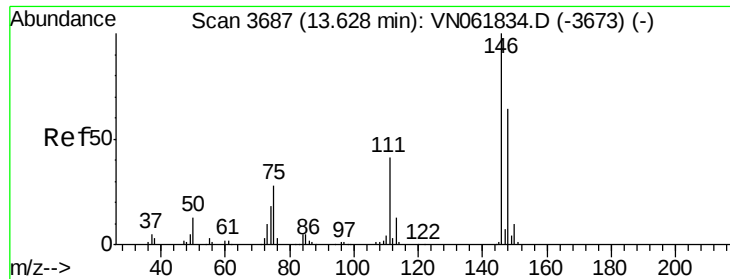
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#90
Hexachloroethane
Concen: 21.166 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.6	103.8





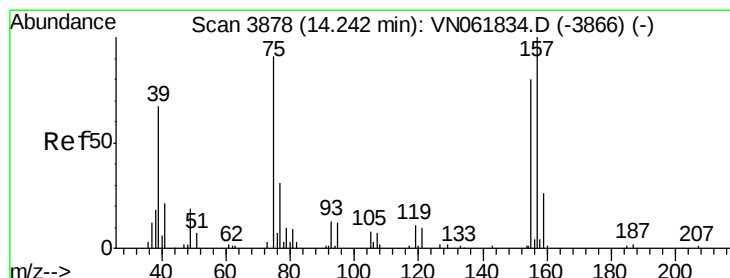
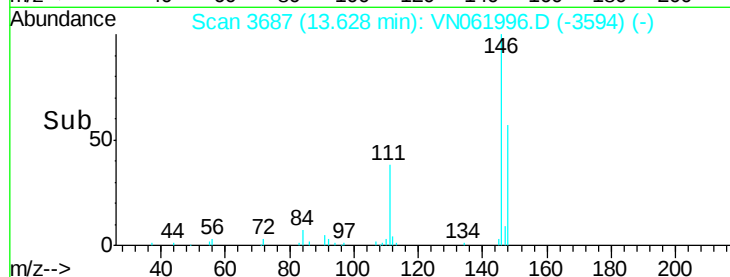
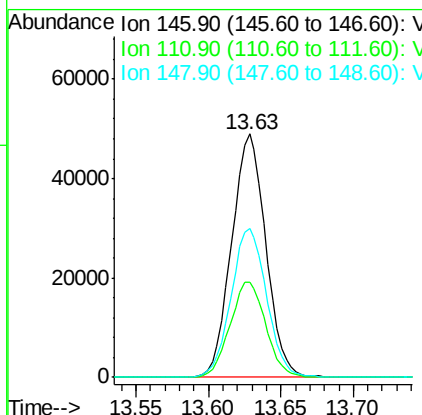
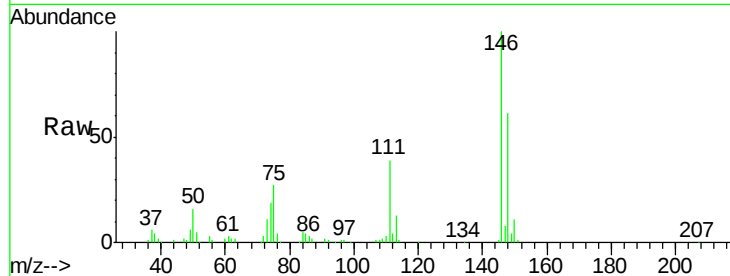
#91
 1,2-Dichlorobenzene
 Concen: 20.608 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.2
148	63.5	31.8	95.4

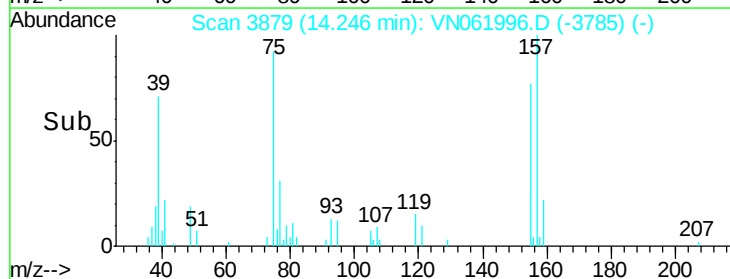
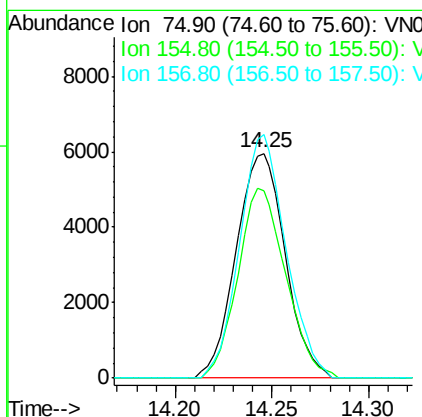
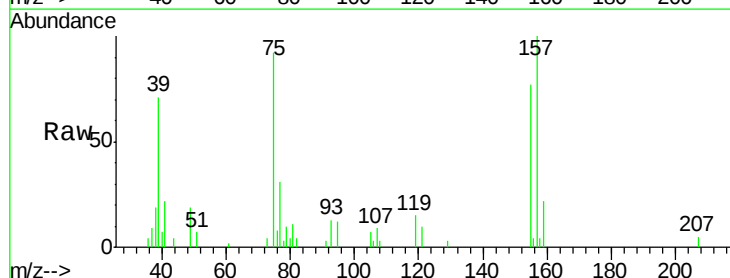
Manual Integrations
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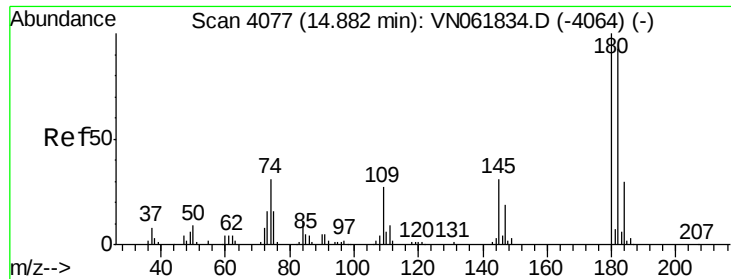
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.596 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061996.D
 Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	44.4	133.2
157	102.5	57.0	171.2





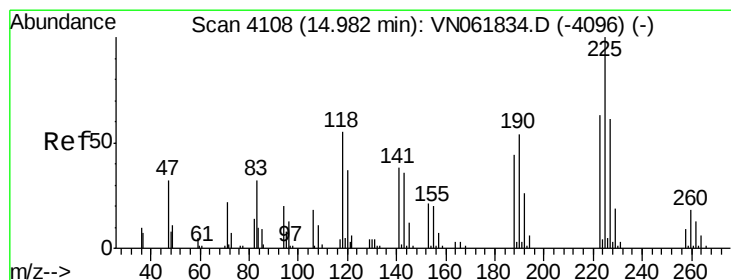
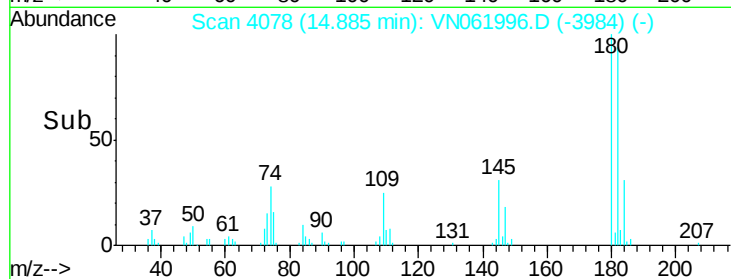
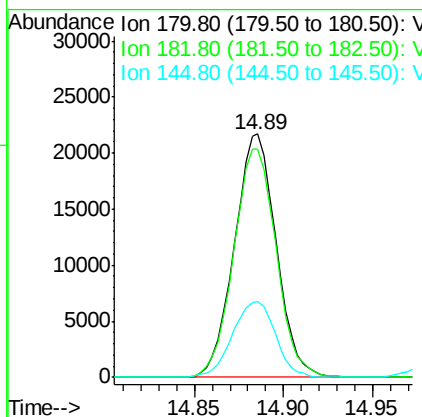
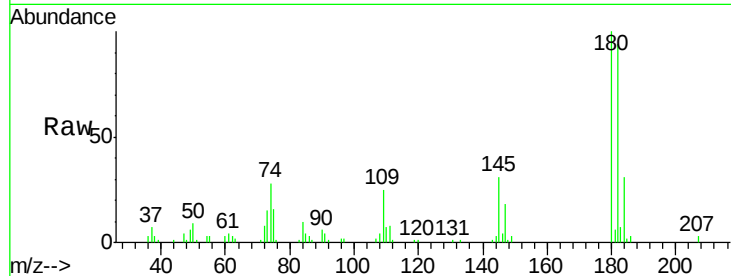
#93
1,2,4-Trichlorobenzene
Concen: 19.179 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.0	141.2
145	32.1	15.8	47.3

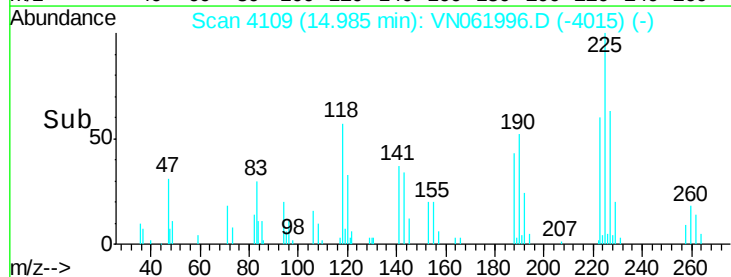
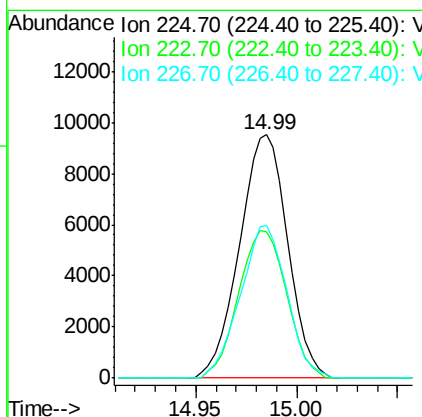
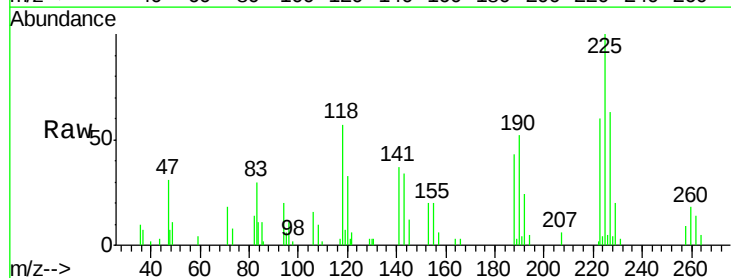
Manual Integrations
APPROVED

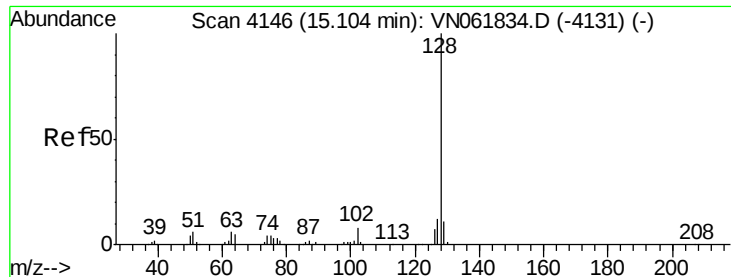
MMDadoda
6/23/2020 12:47:58 PM



#94
Hexachlorobutadiene
Concen: 21.965 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.7	95.1
227	60.6	30.1	90.3





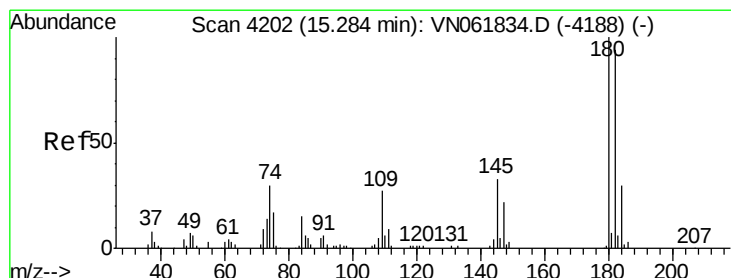
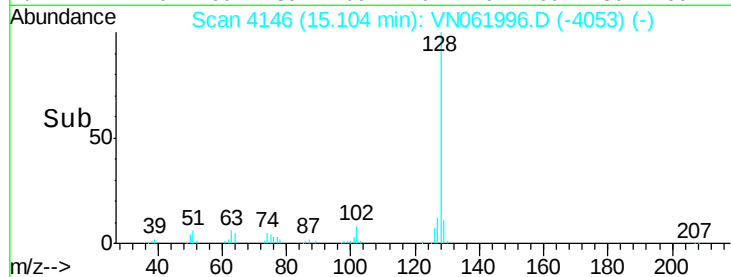
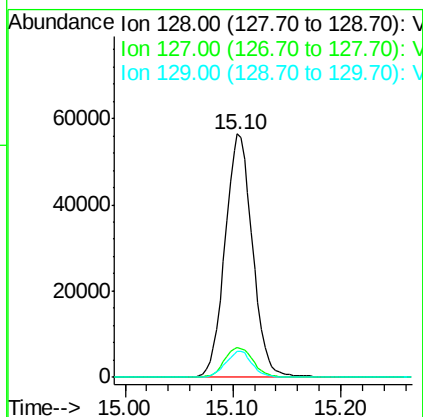
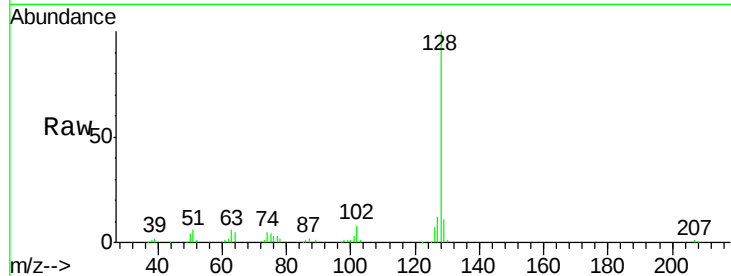
#95
Naphthalene
Concen: 18.568 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0622MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/23/2020 12:47:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.352 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061996.D
Acq: 22 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.6
145	32.6	16.5	49.5

