

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061895.D
 Acq On : 18 Jun 2020 13:14
 Operator : JC/MD
 Sample : VN0618WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2020 1:03:35 PM

Quant Time: Jun 19 05:49:29 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	144412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	250266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	234151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	108325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	94933	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.55	113	80367	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.06	98	304588	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.38	95	99124	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39449	21.164	ug/l	99
3) Chloromethane	2.03	50	41002	20.455	ug/l	98
4) Vinyl Chloride	2.16	62	51101	21.384	ug/l	97
5) Bromomethane	2.53	94	35407	19.295	ug/l	97
6) Chloroethane	2.67	64	34285	21.199	ug/l	97
7) Trichlorofluoromethane	2.98	101	54157	18.973	ug/l	97
8) Diethyl Ether	3.38	74	19740	20.571	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	31177	21.290	ug/l	99
10) Methyl Iodide	3.91	142	34408	22.717	ug/l	97
11) Tert butyl alcohol	4.73	59	26102	97.392	ug/l #	94
12) 1,1-Dichloroethene	3.70	96	29518	20.117	ug/l	95
13) Acrolein	3.57	56	12712	79.359	ug/l	97
14) Allyl chloride	4.27	41	38042	19.535	ug/l	99
15) Acrylonitrile	4.93	53	70987	106.894	ug/l	99
16) Acetone	3.78	43	56641	99.007	ug/l	99
17) Carbon Disulfide	4.01	76	84735	19.737	ug/l	100
18) Methyl Acetate	4.28	43	34371	20.868	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	100265	20.523	ug/l	100
20) Methylene Chloride	4.50	84	36700	19.690	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	34184	20.283	ug/l	99
22) Diisopropyl ether	5.90	45	88648	19.904	ug/l	95
23) Vinyl Acetate	5.84	43	352131	100.524	ug/l	99
24) 1,1-Dichloroethane	5.80	63	58919	20.209	ug/l	99
25) 2-Butanone	6.79	43	86526	103.664	ug/l	100
26) 2,2-Dichloropropane	6.78	77	48423	19.741	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	38647	19.874	ug/l	99
28) Bromochloromethane	7.15	49	25899	19.951	ug/l	97
29) Tetrahydrofuran	7.17	42	57726	105.088	ug/l	99
30) Chloroform	7.33	83	61996	19.896	ug/l	98
31) Cyclohexane	7.61	56	48358	18.947	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	51774	19.510	ug/l	99
36) 1,1-Dichloropropene	7.75	75	44072	19.307	ug/l	99
37) Ethyl Acetate	6.88	43	37125	20.827	ug/l	99
38) Carbon Tetrachloride	7.73	117	46139	20.411	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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 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)
39) Methylcyclohexane	9.05	83	47413	19.289	ug/l	97
40) Benzene	8.00	78	137320	19.859	ug/l	97
41) Methacrylonitrile	7.12	41	12435	16.314	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	48125	20.411	ug/l	98
43) Isopropyl Acetate	8.13	43	60059	19.993	ug/l #	90
44) Trichloroethene	8.80	130	36890	20.271	ug/l	94
45) 1,2-Dichloropropane	9.08	63	34298	20.183	ug/l	98
46) Dibromomethane	9.18	93	24398	20.389	ug/l	98
47) Bromodichloromethane	9.37	83	49236	20.094	ug/l	99
48) Methyl methacrylate	9.17	41	26369	19.302	ug/l	97
49) 1,4-Dioxane	9.17	88	13204	420.982	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	184209	103.768	ug/l	100
52) Toluene	10.12	92	88097	20.286	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	51164	19.669	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	56499	19.997	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	35882	21.000	ug/l	98
56) Ethyl methacrylate	10.40	69	45276	19.243	ug/l	99
57) 1,3-Dichloropropane	10.68	76	58965	20.370	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	82939	91.974	ug/l	99
59) 2-Hexanone	10.72	43	130850	100.722	ug/l	99
60) Dibromochloromethane	10.87	129	38794	20.347	ug/l	100
61) 1,2-Dibromoethane	10.98	107	36568	20.496	ug/l	99
64) Tetrachloroethene	10.60	164	30692	20.566	ug/l	97
65) Chlorobenzene	11.41	112	95702	19.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	34572	20.063	ug/l	98
67) Ethyl Benzene	11.48	91	159480	19.252	ug/l	97
68) m/p-Xylenes	11.60	106	127816	40.014	ug/l	97
69) o-Xylene	11.92	106	60229	19.761	ug/l	100
70) Styrene	11.94	104	100018	19.599	ug/l	99
71) Bromoform	12.10	173	25155	20.021	ug/l #	99
73) Isopropylbenzene	12.22	105	156089	20.277	ug/l	99
74) N-amyl acetate	12.04	43	48275	19.320	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	52083	20.811	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	45542m	21.414	ug/l	
77) Bromobenzene	12.50	156	39487	20.333	ug/l	98
78) n-propylbenzene	12.57	91	173426	19.745	ug/l	99
79) 2-Chlorotoluene	12.65	91	107377	20.355	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	129604	20.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	15055	19.308	ug/l	95
82) 4-Chlorotoluene	12.75	91	107164	19.660	ug/l	99
83) tert-Butylbenzene	12.97	119	110915	20.544	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	131103	20.855	ug/l	100
85) sec-Butylbenzene	13.15	105	144115	20.394	ug/l	98
86) p-Isopropyltoluene	13.26	119	129468	20.560	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	68553	19.354	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	69190	19.084	ug/l	98
89) n-Butylbenzene	13.59	91	100077	19.030	ug/l	98
90) Hexachloroethane	13.85	117	22894	19.862	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	68731	20.156	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8120	19.985	ug/l	98

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ClientSampleId :
VN0618WBSD01

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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)
93) 1,2,4-Trichlorobenzene	14.88	180	30311	18.838	ug/l	100
94) Hexachlorobutadiene	14.98	225	12490	19.709	ug/l	96
95) Naphthalene	15.10	128	87521	18.594	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	31823	19.970	ug/l	99

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

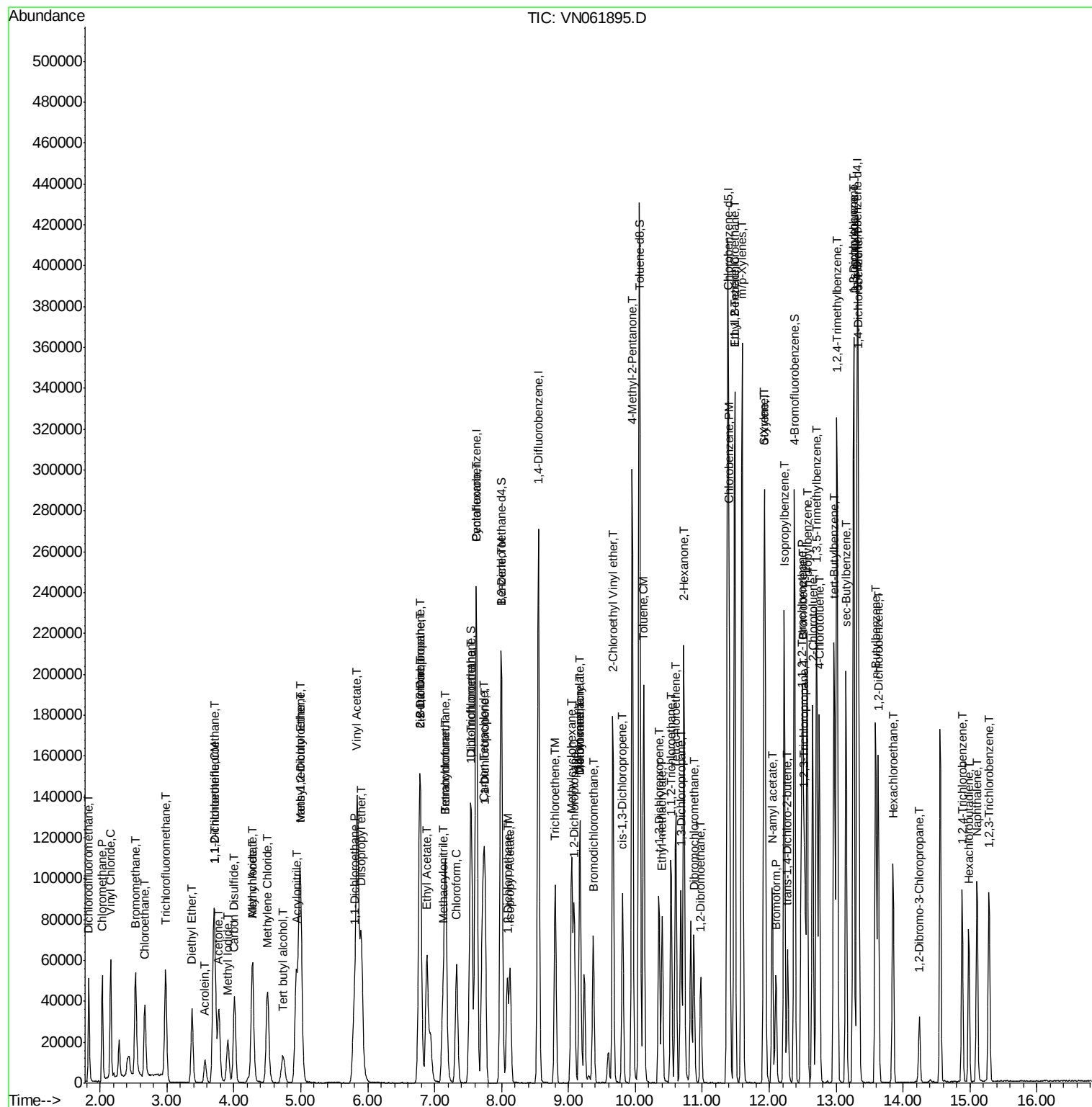
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Data File : VN061895.D
Acq On : 18 Jun 2020 13:14
Operator : JC/MD
Sample : VN0618WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

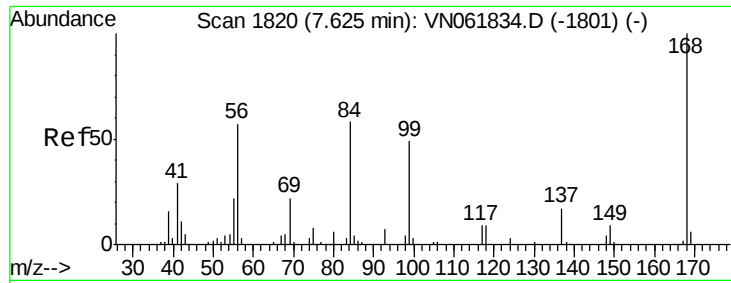
Instrument :
MSVOA_N
Client Sample Id :
VN0618WBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion:168 Resp: 144412

Ion Ratio Lower Upper

168 100

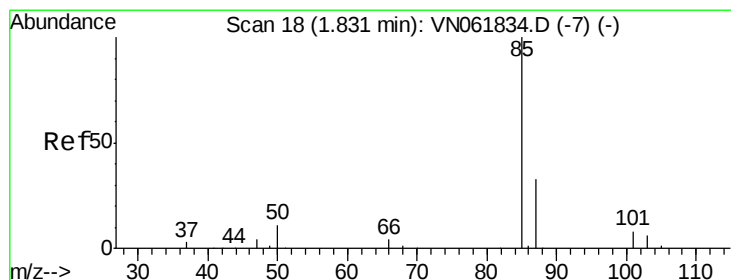
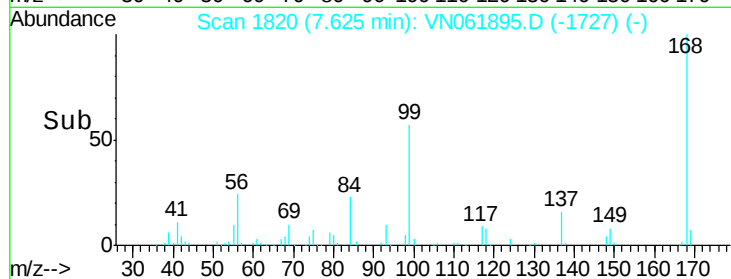
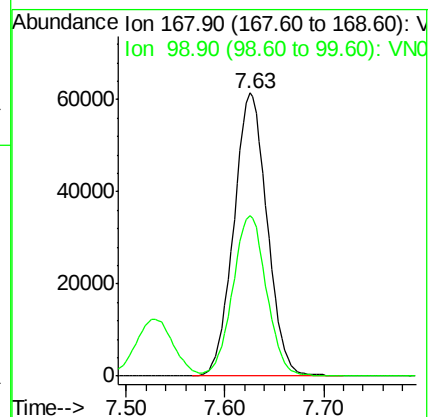
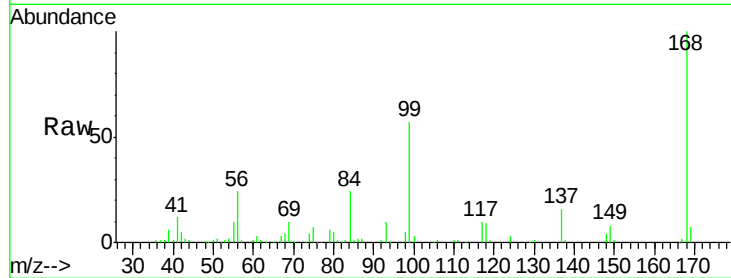
99 56.6 44.6 67.0

Manual Integrations

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6/19/2020 1:03:35 PM



#2

Dichlorodifluoromethane

Concen: 21.164 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061895.D

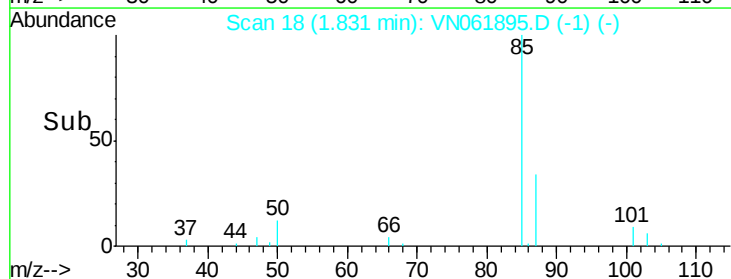
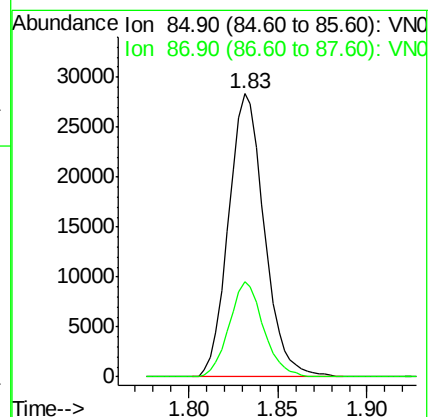
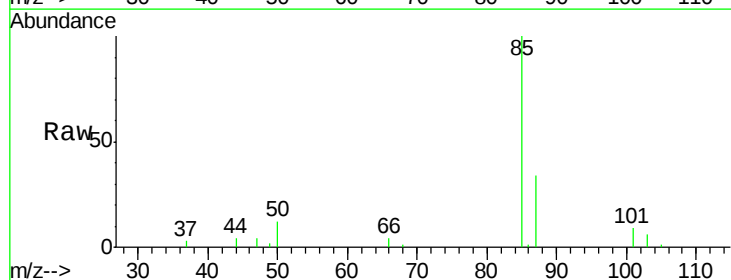
Acq: 18 Jun 2020 13:14

Tgt Ion: 85 Resp: 39449

Ion Ratio Lower Upper

85 100

87 33.6 16.6 49.8





#3

Chloromethane

Concen: 20.455 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 50 Resp: 41002

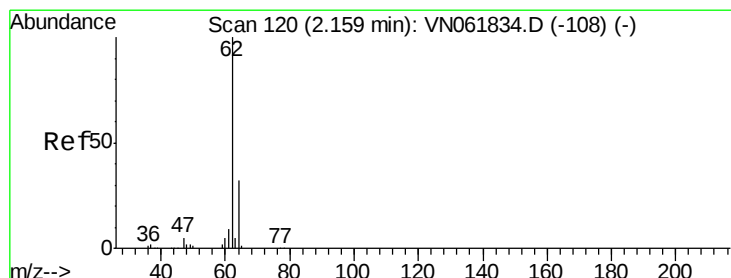
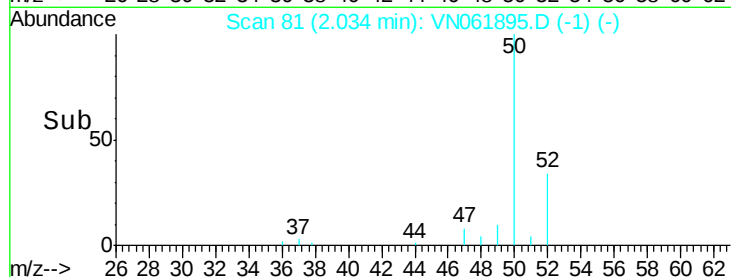
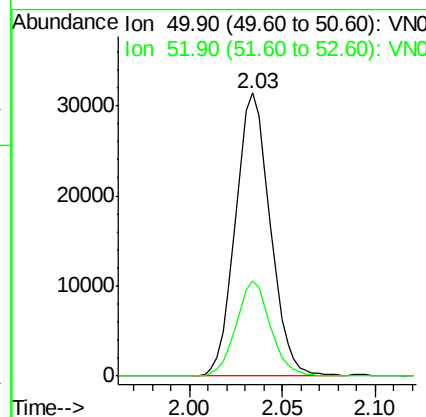
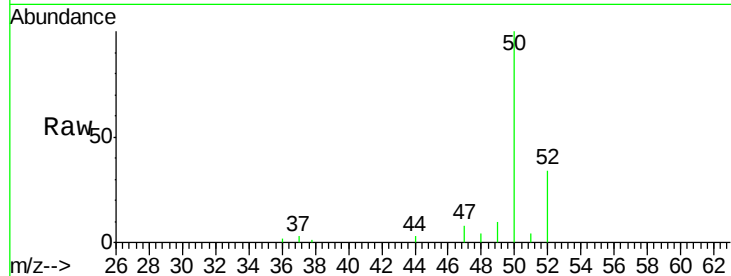
Ion Ratio Lower Upper

50 100

52 33.6 26.0 39.0

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 21.384 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061895.D

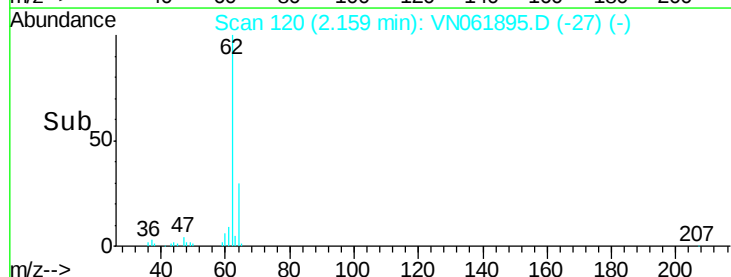
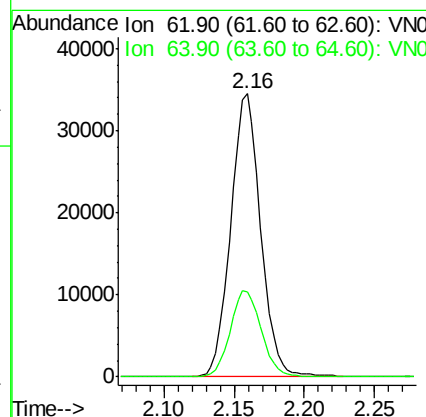
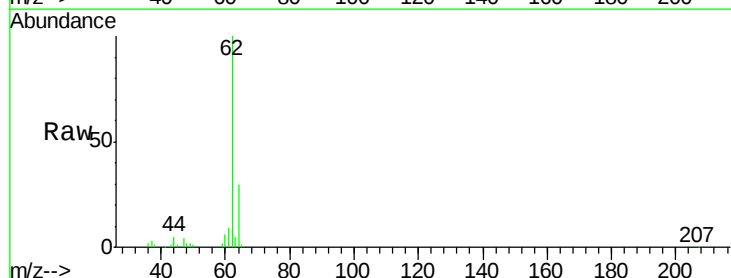
Acq: 18 Jun 2020 13:14

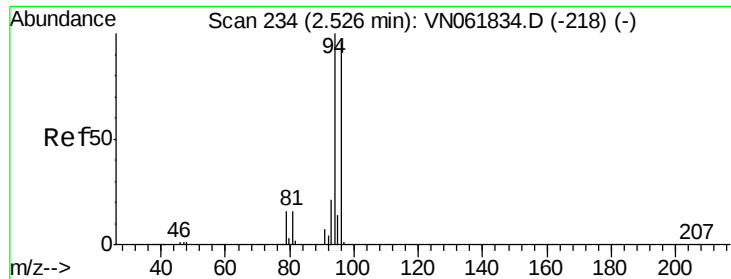
Tgt Ion: 62 Resp: 51101

Ion Ratio Lower Upper

62 100

64 30.2 25.5 38.3





#5

Bromomethane

Concen: 19.295 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 94 Resp: 35407

Ion Ratio Lower Upper

94 100

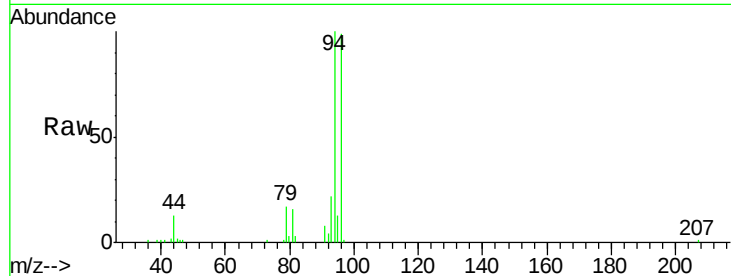
96 99.1 76.7 115.1

Manual Integrations

APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VN061895.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN061895.D (-141) (-)

2.53

20000

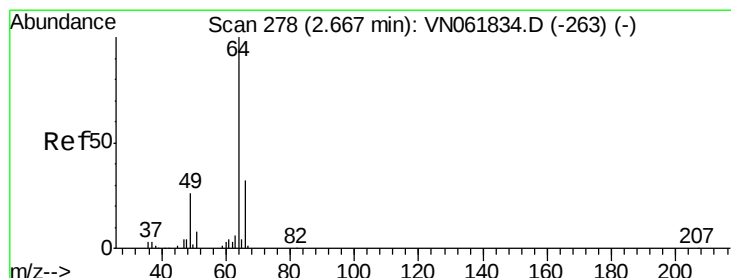
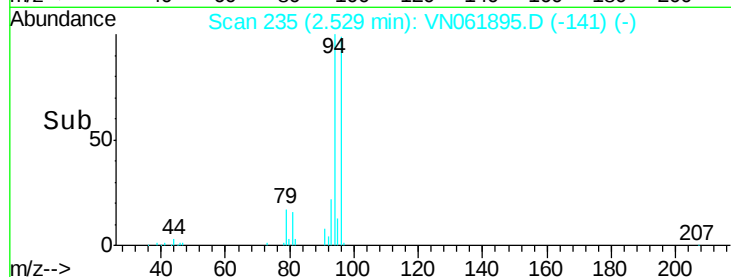
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.199 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061895.D

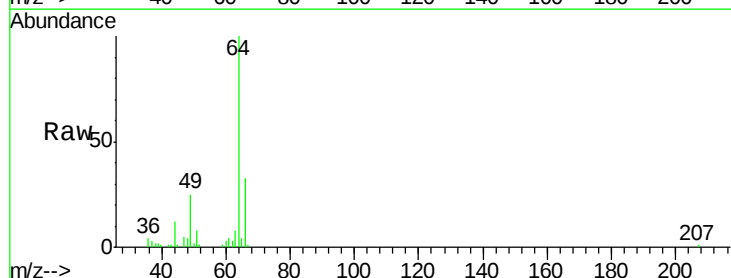
Acq: 18 Jun 2020 13:14

Tgt Ion: 64 Resp: 34285

Ion Ratio Lower Upper

64 100

66 33.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN061895.D (-185) (-)

Ion 65.90 (65.60 to 66.60): VN061895.D (-185) (-)

2.67

20000

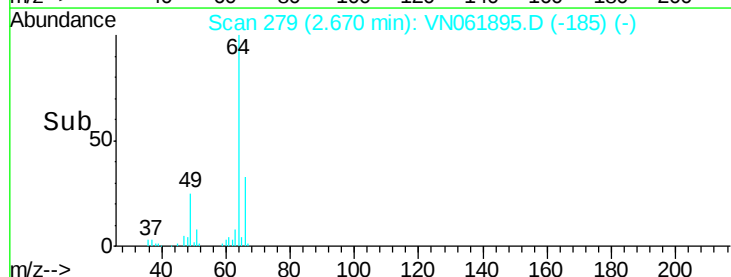
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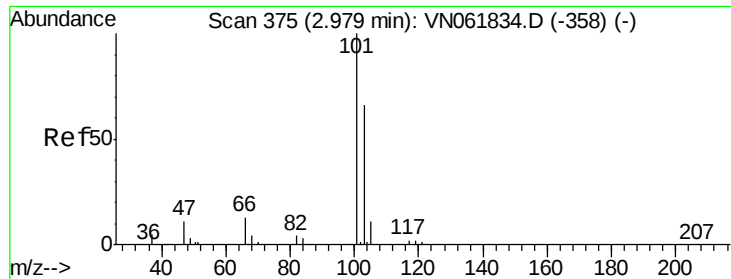
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5000

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Time-->





#7

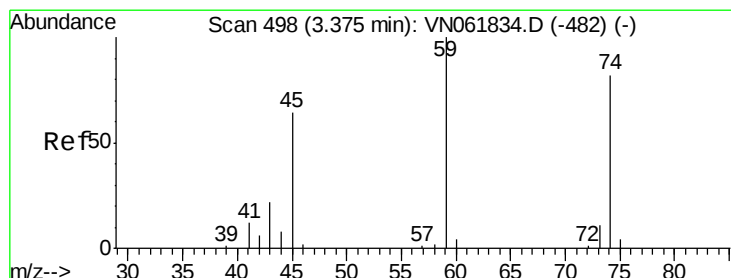
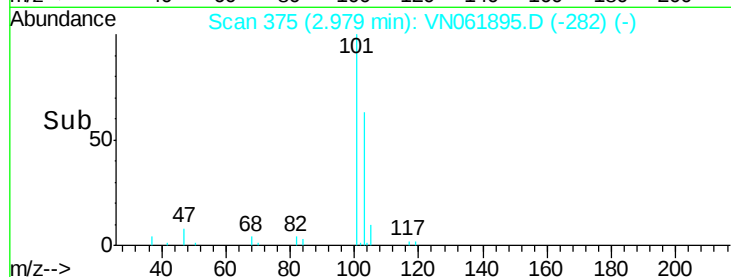
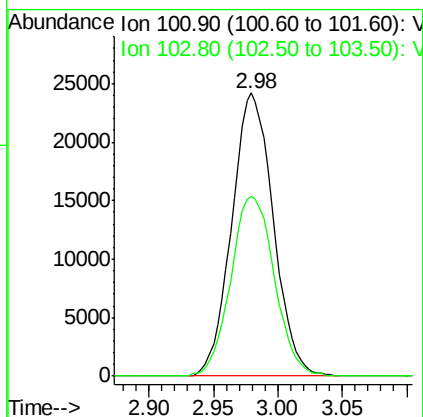
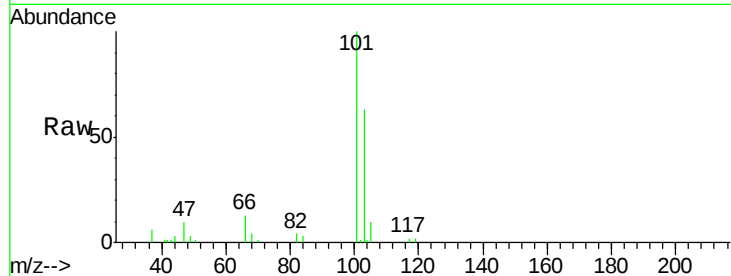
Trichlorofluoromethane
Concen: 18.973 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.8	79.2

Manual Integrations
APPROVED

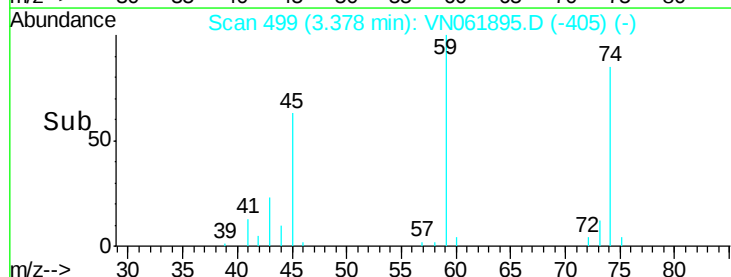
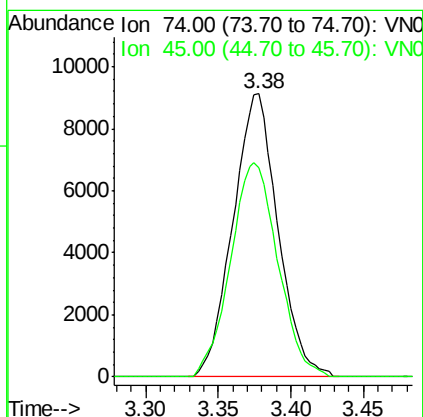
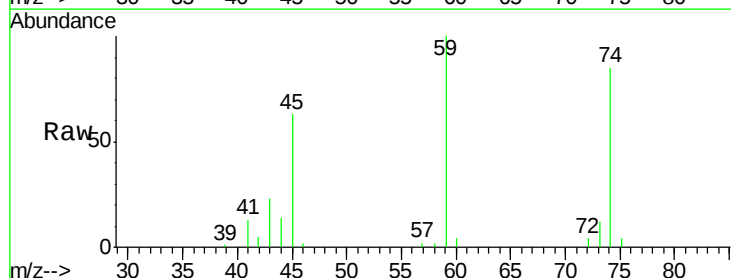
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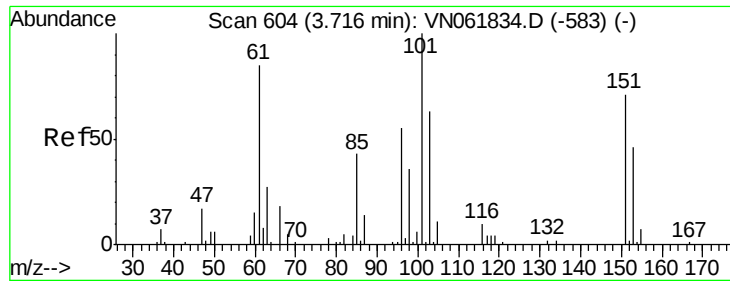


#8

Diethyl Ether
Concen: 20.571 ug/l
RT: 3.38 min Scan# 499
Delta R.T. 0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.2	39.1	117.3





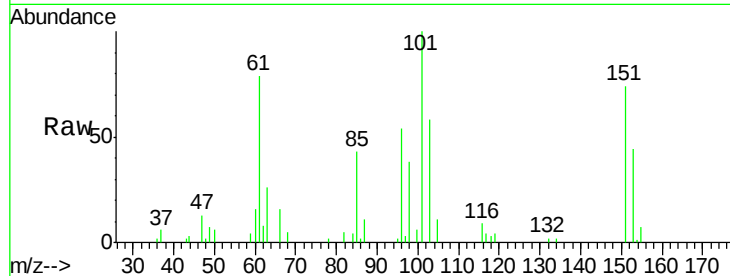
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.290 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
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VN0618WBSD01

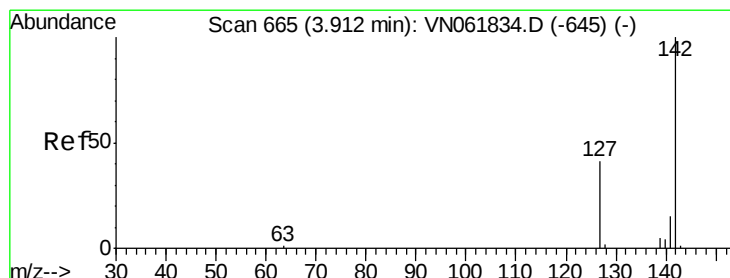
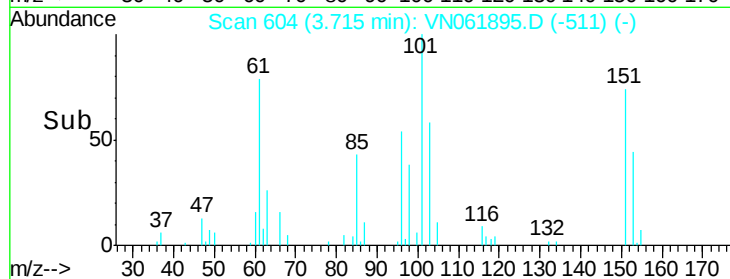
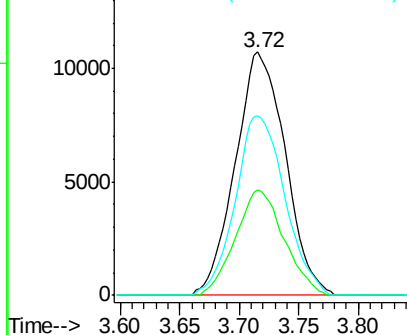
Tot Ion	Ratio	Resp	Lower	Upper
101	100	31177		
85	42.1	35.0	52.6	
151	73.4	59.2	88.8	

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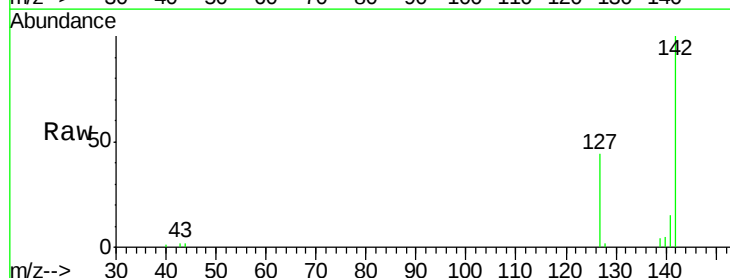


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

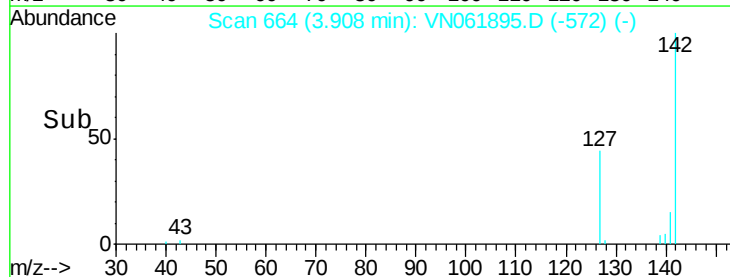
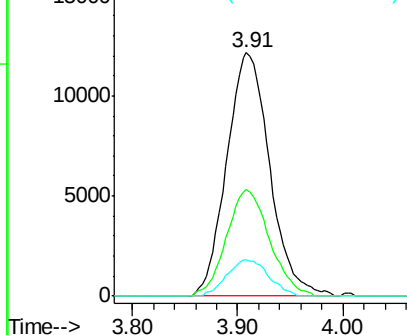


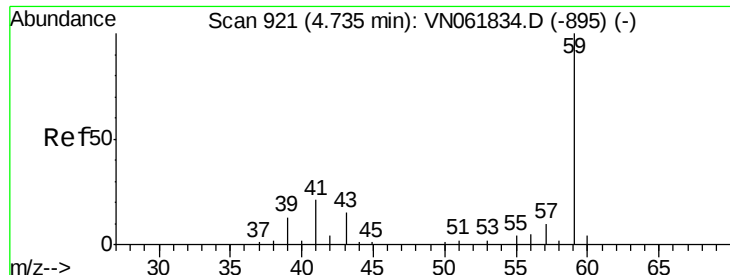
#10
Methyl Iodide
Concen: 22.717 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	34408		
127	43.7	33.4	50.0	
141	14.4	11.3	16.9	



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





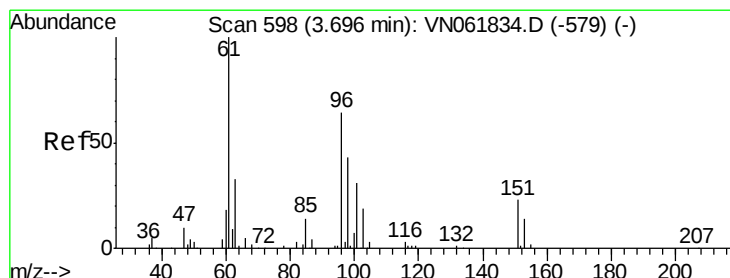
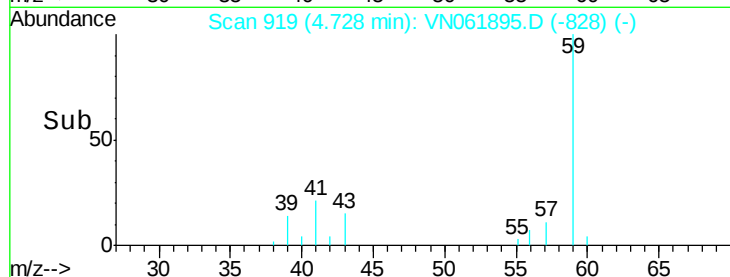
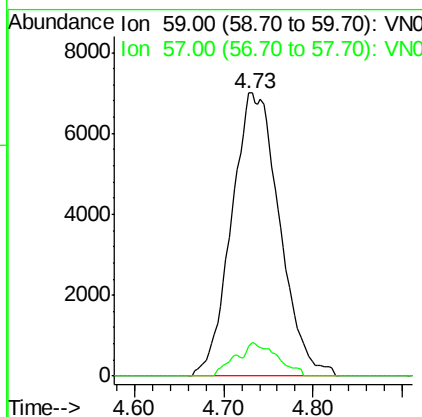
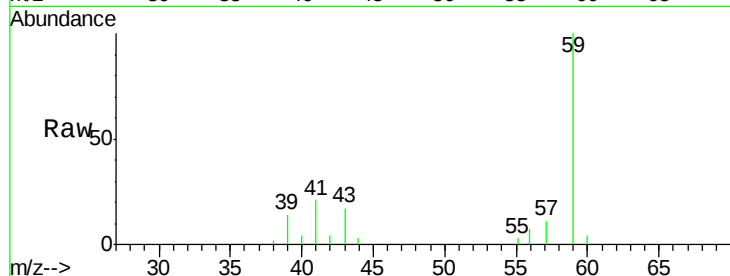
#11
Tert butyl alcohol
Concen: 97.392 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	7.7	11.5#

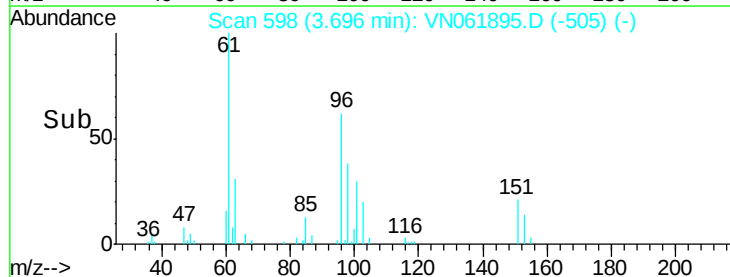
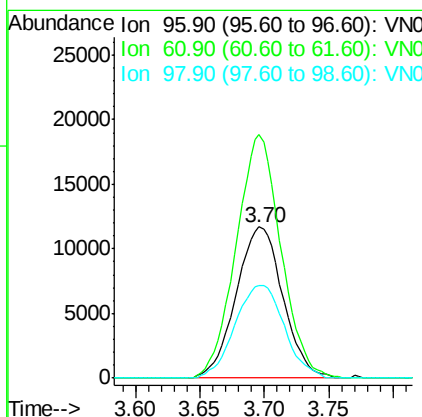
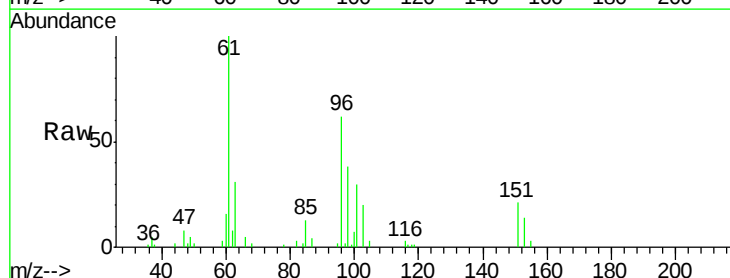
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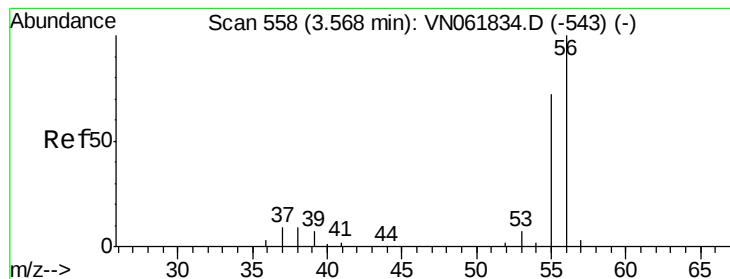
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.117 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.2	124.3	186.5
98	61.1	53.1	79.7





#13

Acrolein

Concen: 79.359 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 56 Resp: 12712

Ion Ratio Lower Upper

56 100

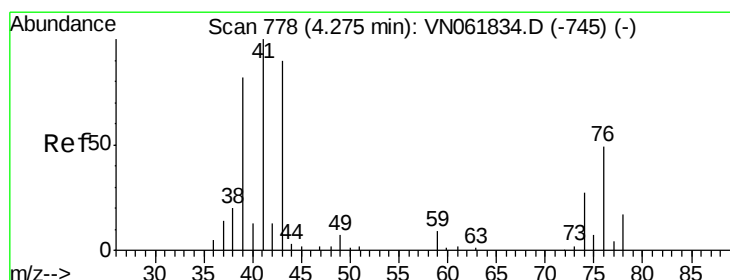
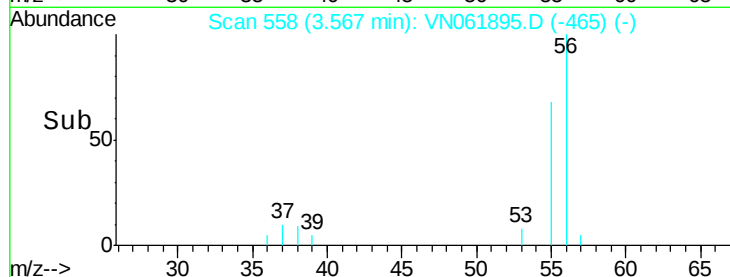
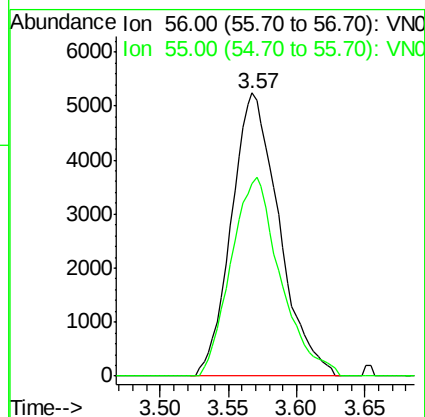
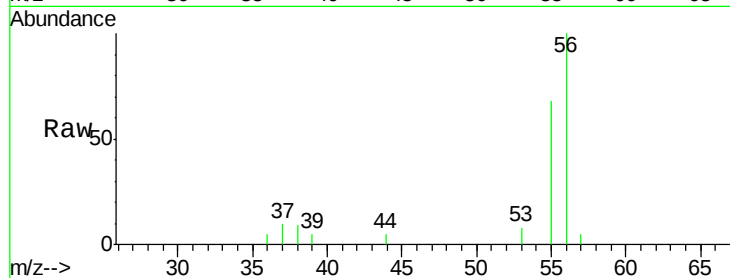
55 72.9 56.2 84.4

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#14

Allyl chloride

Concen: 19.535 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

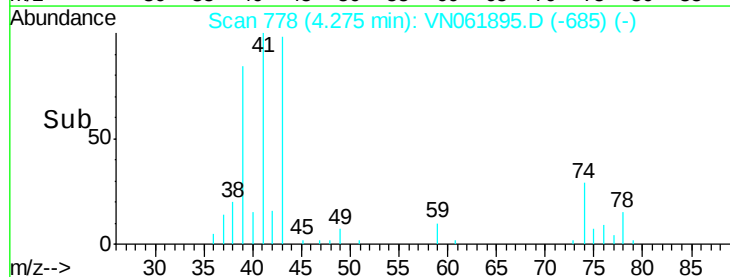
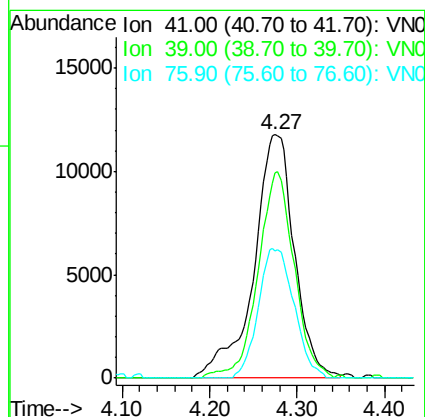
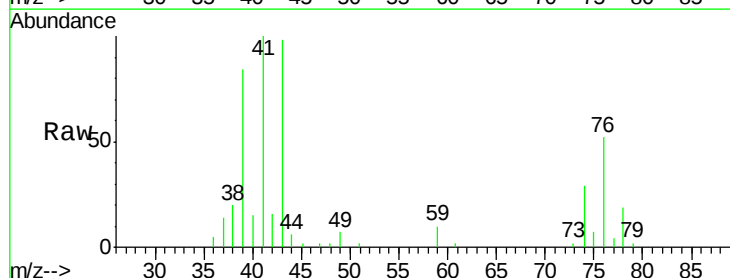
Tgt Ion: 41 Resp: 38042

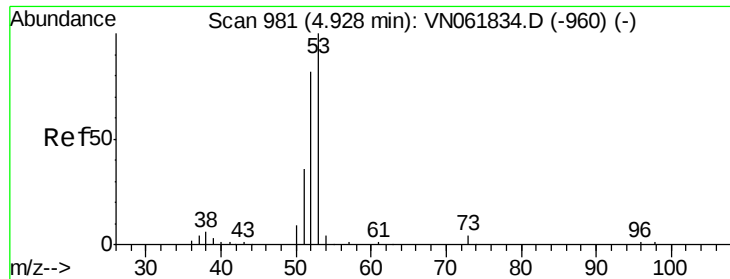
Ion Ratio Lower Upper

41 100

39 75.3 60.2 90.2

76 46.5 36.3 54.5





#15

Acrylonitrile

Concen: 106.894 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

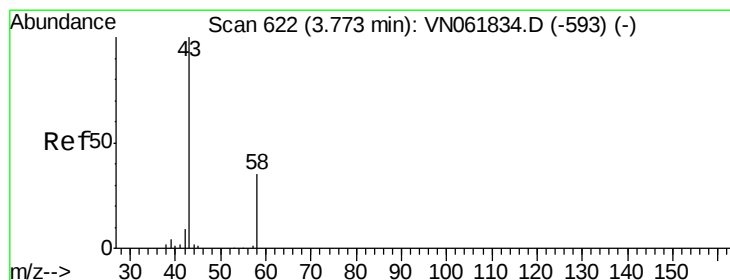
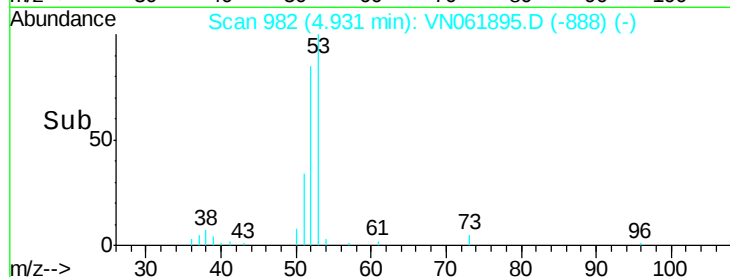
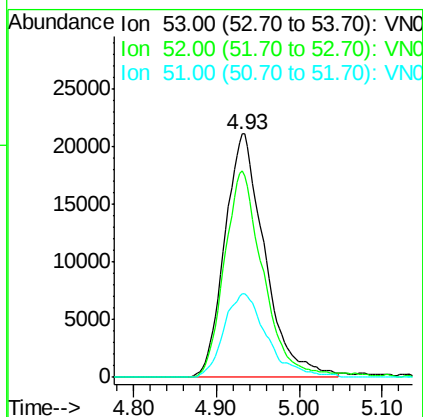
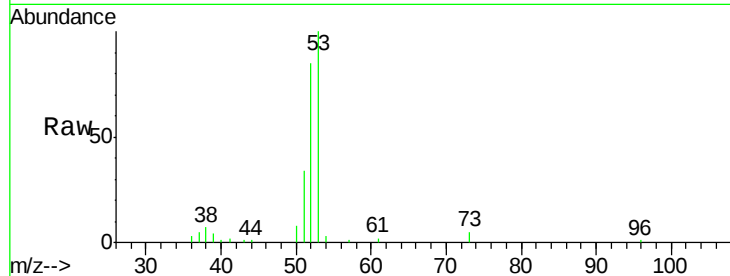
ClientSampleId :

VN0618WBSD01

Tot Ion:	53	Resp:	70987
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.2	97.8
51	36.6	29.3	43.9

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#16

Acetone

Concen: 99.007 ug/l

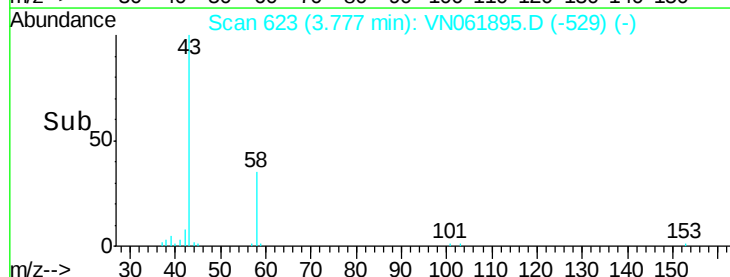
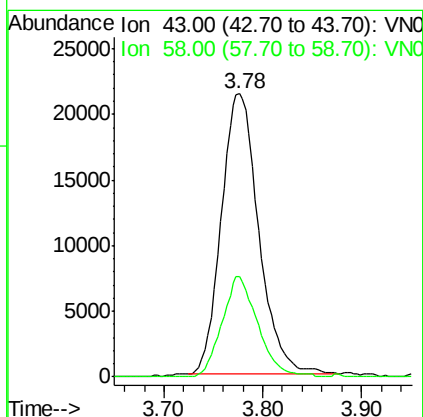
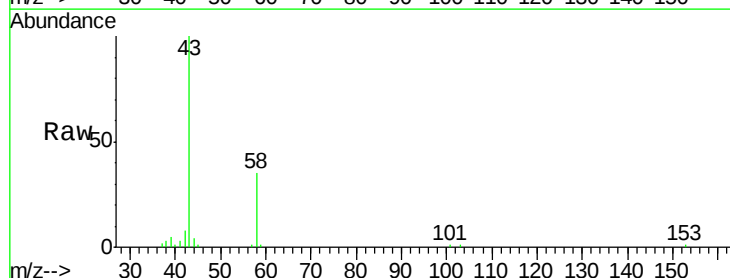
RT: 3.78 min Scan# 623

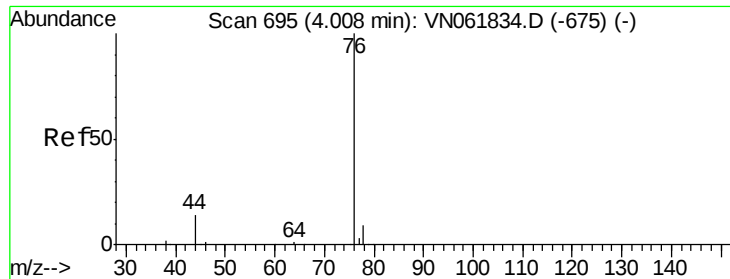
Delta R.T. 0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Tgt Ion:	43	Resp:	56641
Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.8	41.8





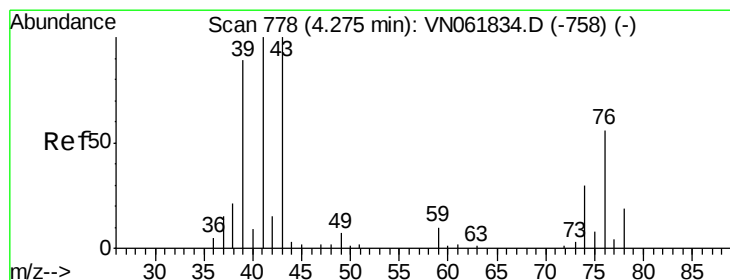
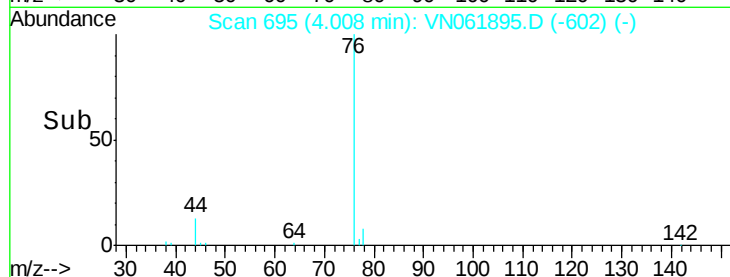
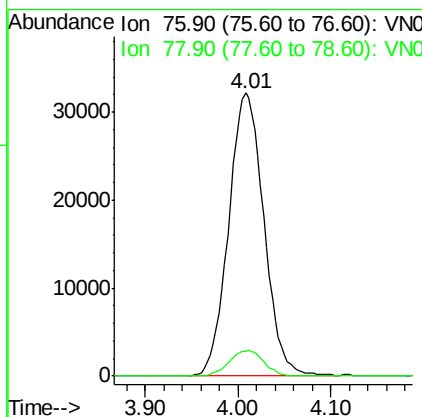
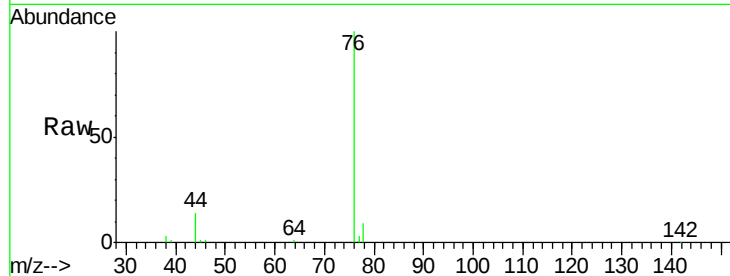
#17
Carbon Disulfide
Concen: 19.737 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

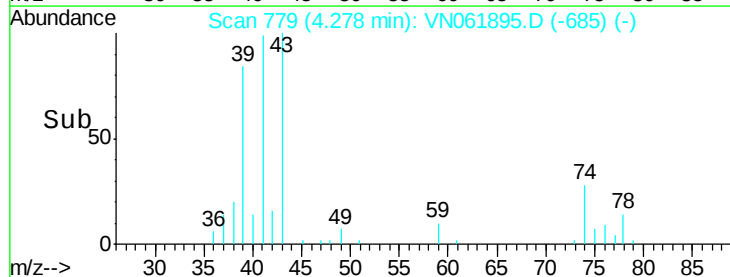
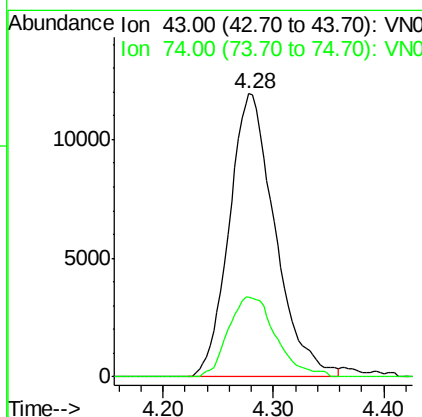
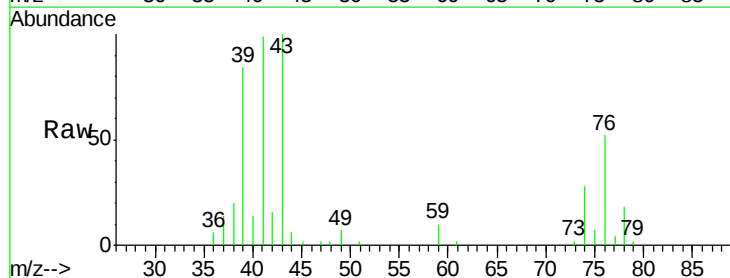
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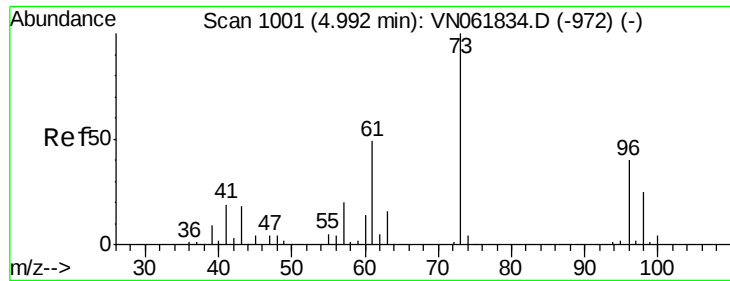
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#18
Methyl Acetate
Concen: 20.868 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.3	23.0	34.4





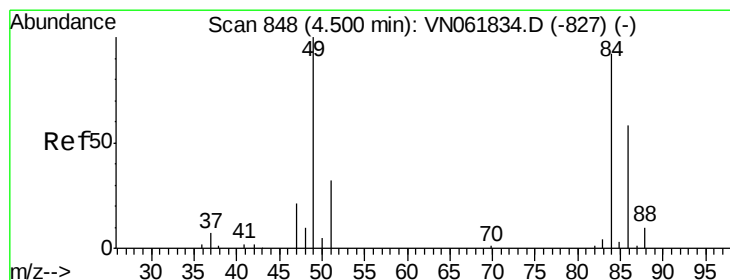
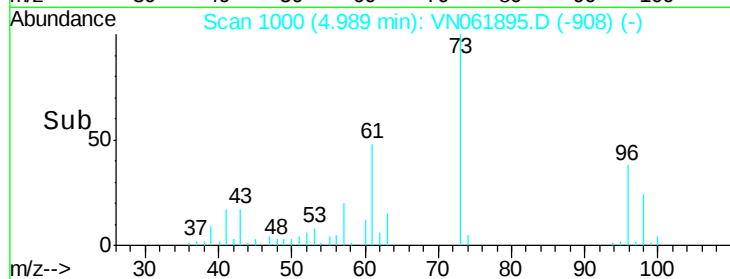
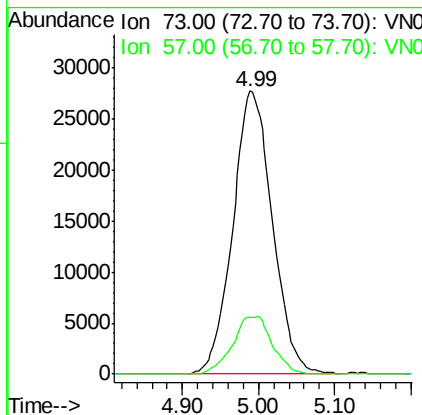
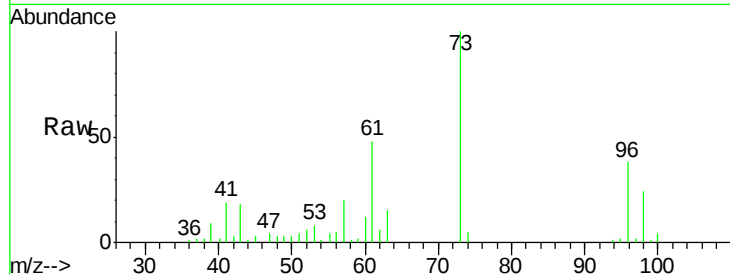
#19
Methyl tert-butyl Ether
Concen: 20.523 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion: 73 Resp: 100265
Ion Ratio Lower Upper
73 100
57 20.1 16.2 24.4

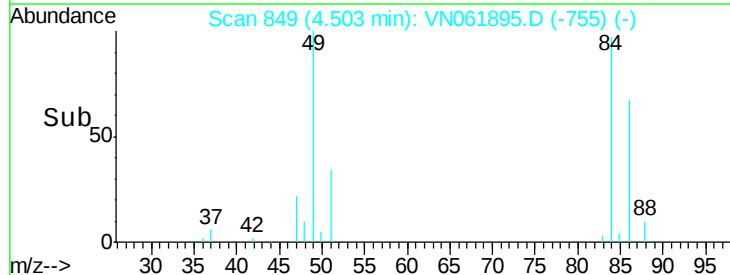
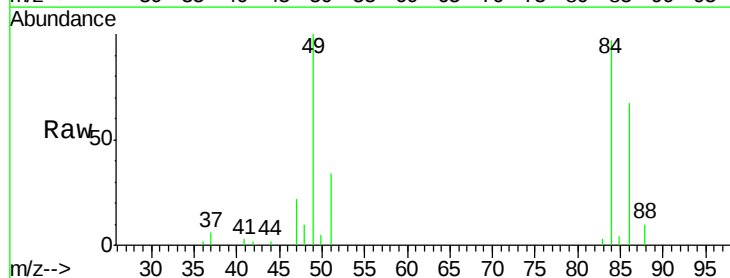
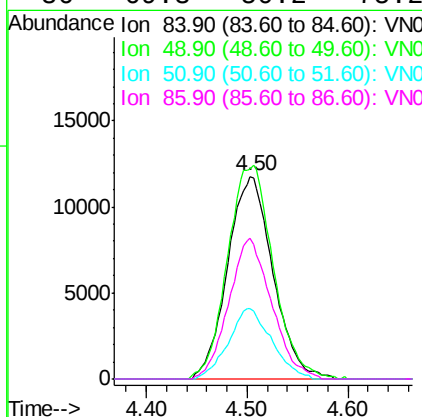
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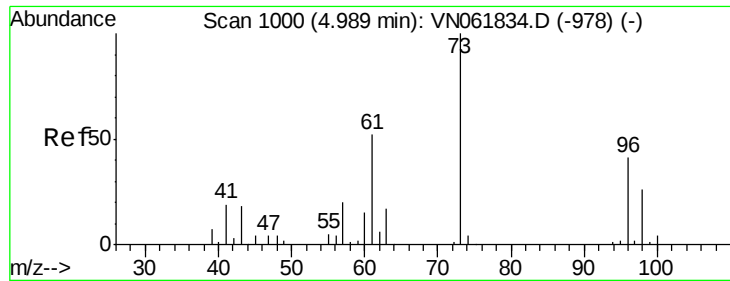
MMDadoda
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#20
Methylene Chloride
Concen: 19.690 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion: 84 Resp: 36700
Ion Ratio Lower Upper
84 100
49 103.5 87.0 130.4
51 34.8 27.8 41.6
86 69.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.283 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 96 Resp: 34184

Ion Ratio Lower Upper

96 100

61 125.4 102.2 153.4

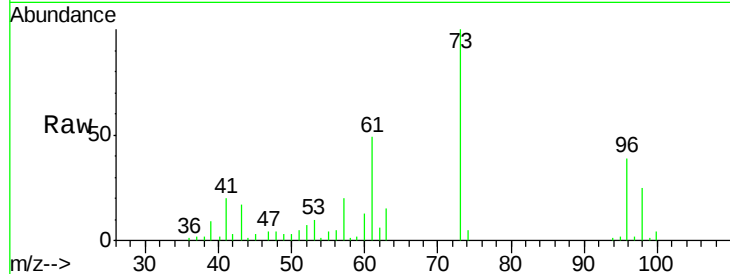
98 64.1 51.2 76.8

Manual Integrations

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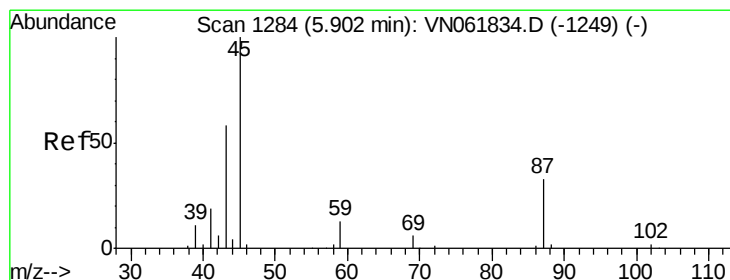
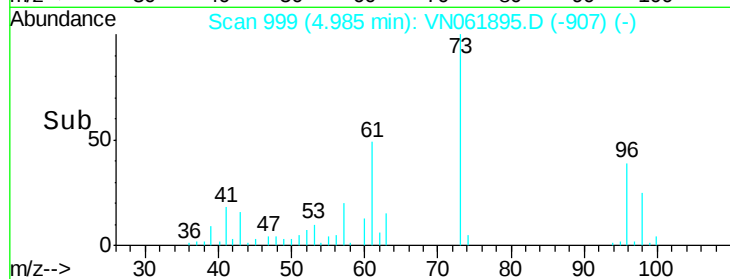
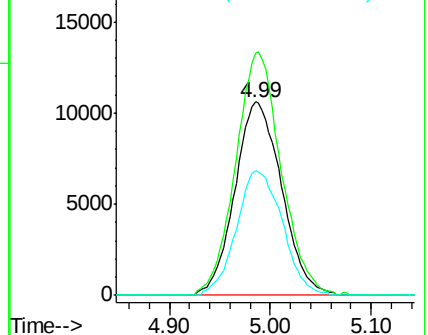
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Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-978) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-978) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-978) (-)



#22

Diisopropyl ether

Concen: 19.904 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Tgt Ion: 45 Resp: 88648

Ion Ratio Lower Upper

45 100

43 68.1 49.4 74.2

87 35.0 27.4 41.0

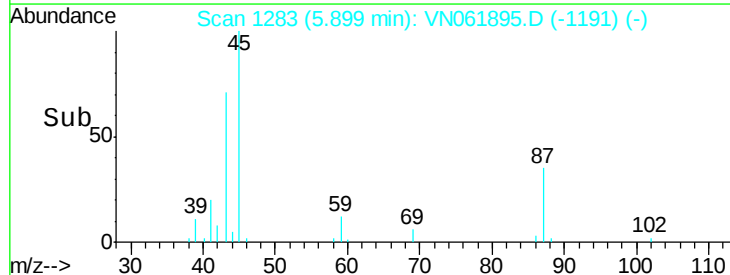
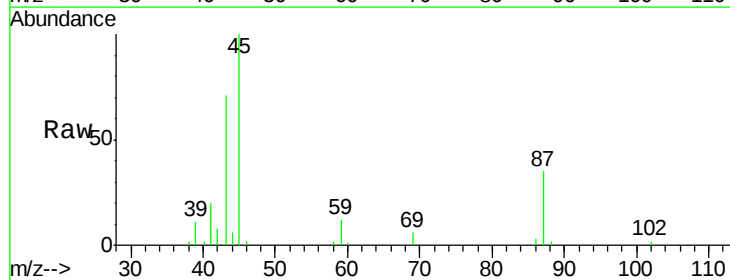
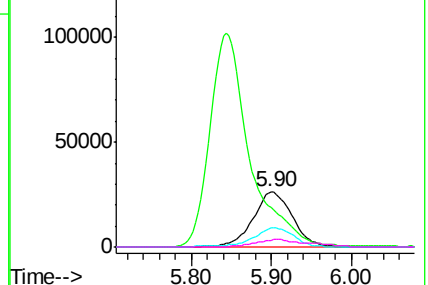
59 12.2 10.6 15.8

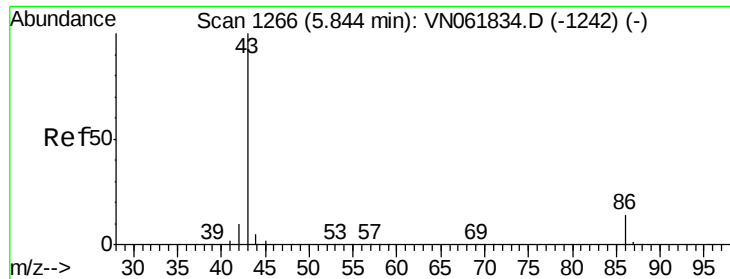
Abundance Ion 45.00 (44.70 to 45.70): VN061834.D (-1249) (-)

Ion 43.00 (42.70 to 43.70): VN061834.D (-1249) (-)

Ion 87.00 (86.70 to 87.70): VN061834.D (-1249) (-)

Ion 59.00 (58.70 to 59.70): VN061834.D (-1249) (-)





#23

Vinyl Acetate

Concen: 100.524 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 43 Resp: 352131

Ion Ratio Lower Upper

43 100

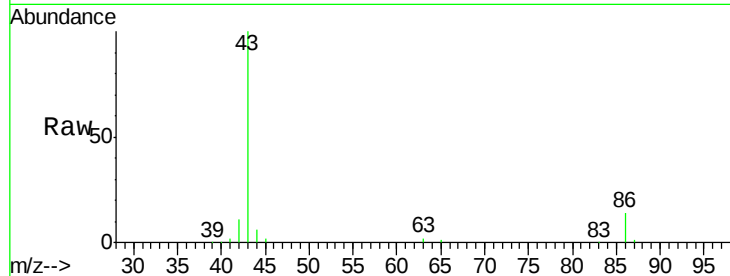
86 14.0 10.9 16.3

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Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-1242) (-)

Ion 86.00 (85.70 to 86.70): VN061834.D (-1242) (-)

120000

100000

80000

60000

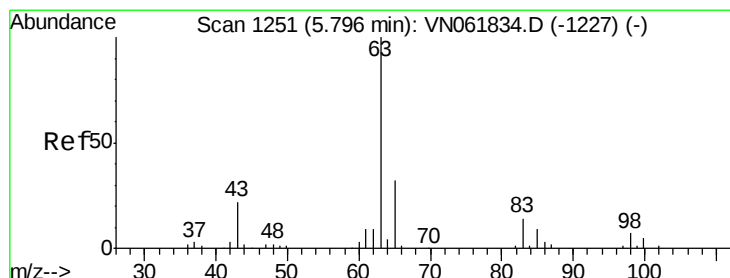
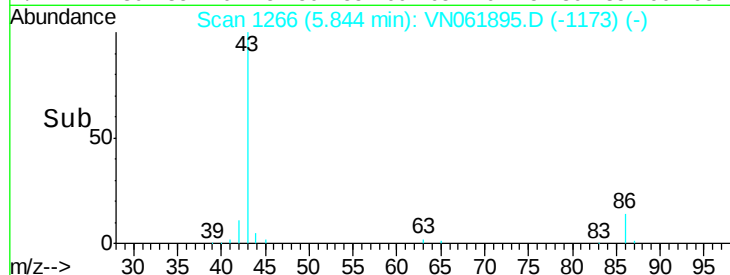
40000

20000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.209 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

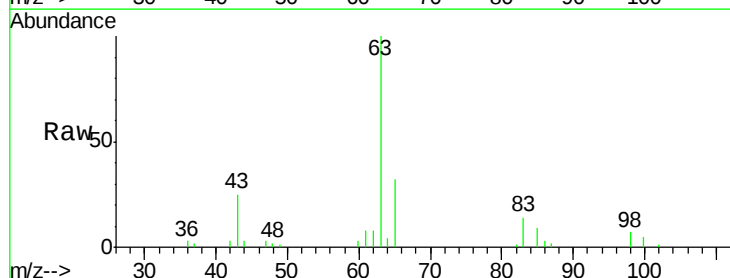
Tgt Ion: 63 Resp: 58919

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 5.4 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VN061834.D (-1227) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-1227) (-)

Ion 99.90 (99.60 to 100.60): VN061834.D (-1227) (-)

25000

20000

15000

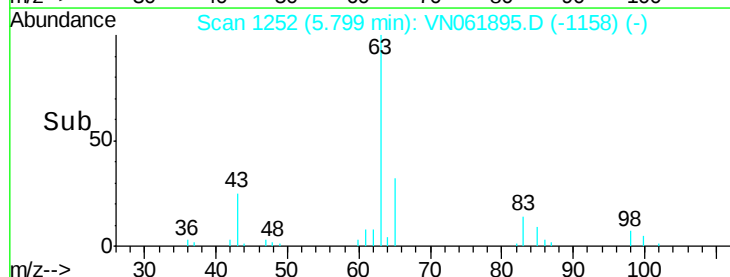
10000

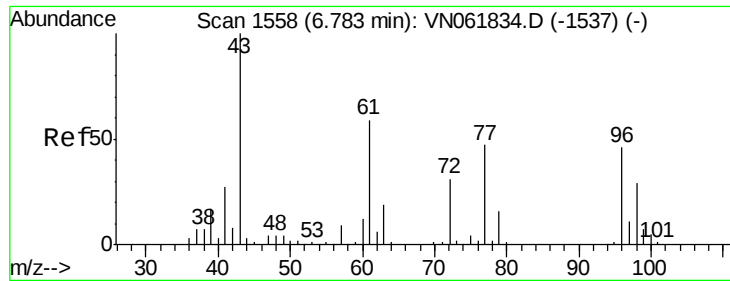
5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 103.664 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 43 Resp: 86526

Ion Ratio Lower Upper

43 100

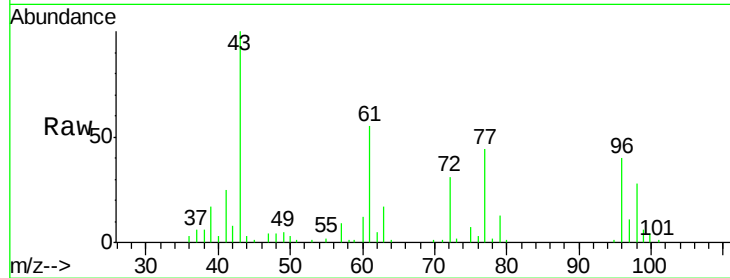
72 31.0 24.6 37.0

Manual Integrations

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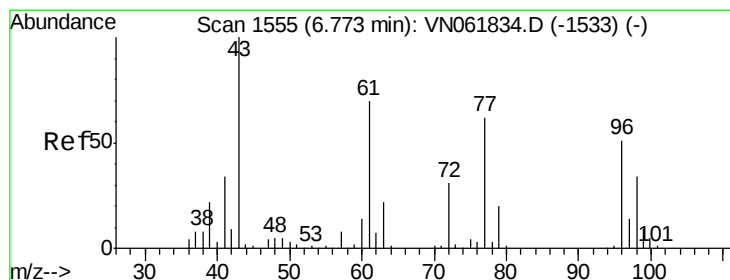
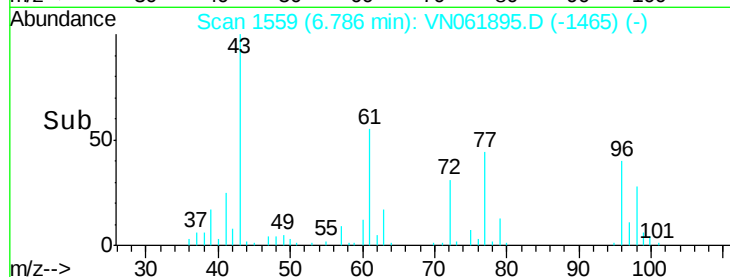
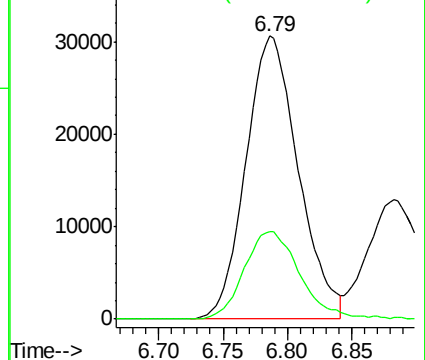
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.741 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.01 min

Lab File: VN061895.D

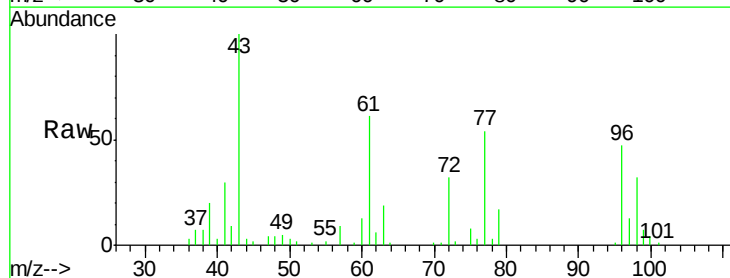
Acq: 18 Jun 2020 13:14

Tgt Ion: 77 Resp: 48423

Ion Ratio Lower Upper

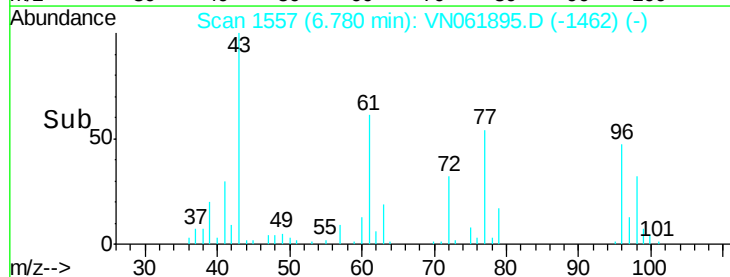
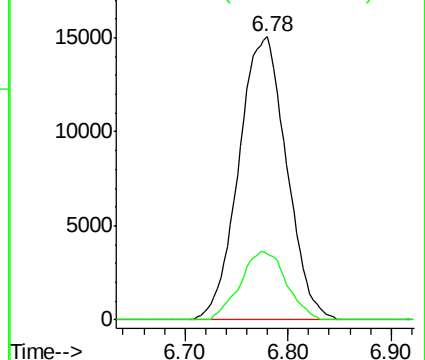
77 100

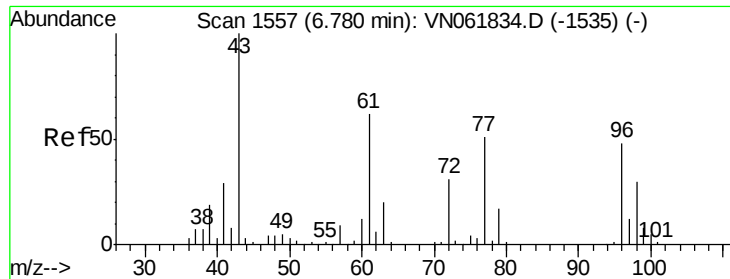
97 23.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





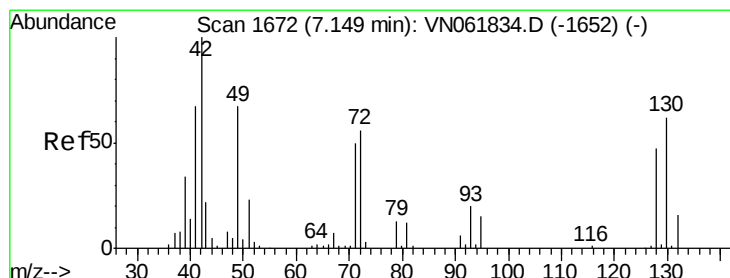
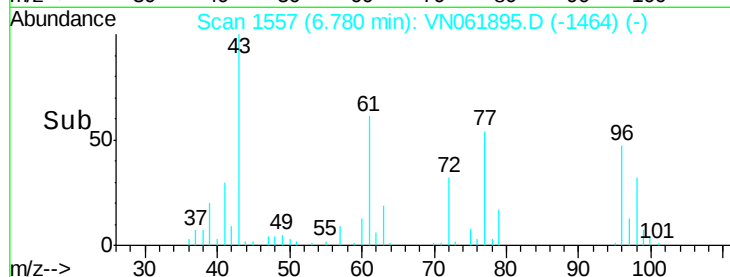
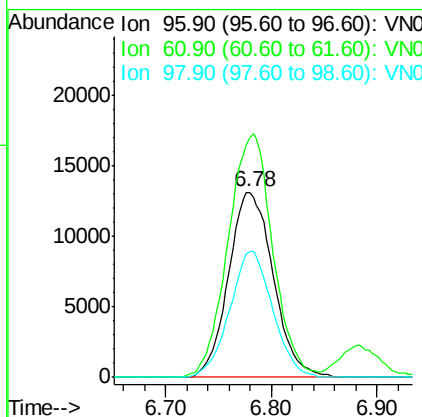
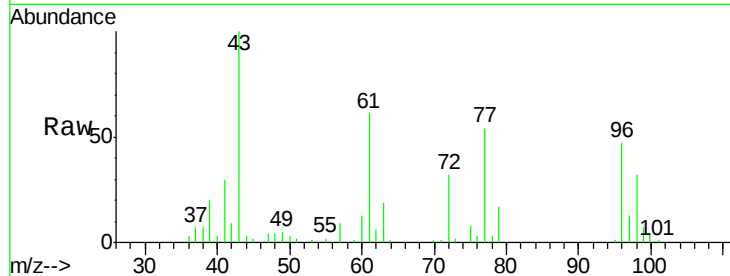
#27
 cis-1,2-Dichloroethene
 Concen: 19.874 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	38647		
61	131.8	0.0	265.6	
98	65.5	0.0	128.2	

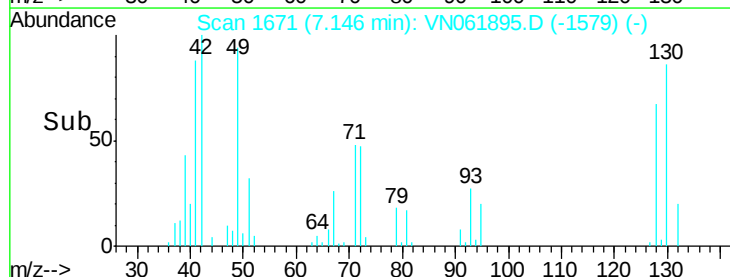
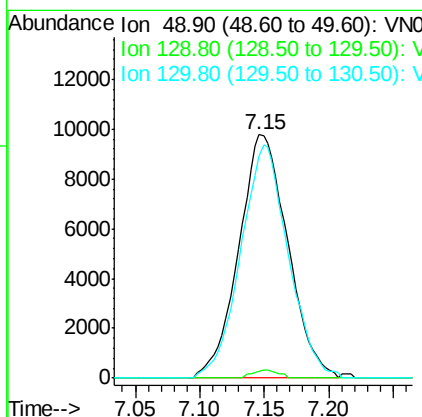
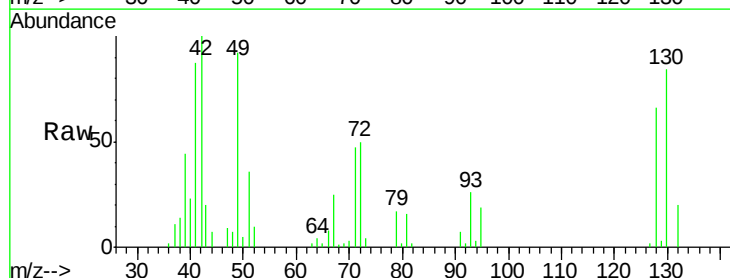
Manual Integrations
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#28
 Bromochloromethane
 Concen: 19.951 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	25899		
129	1.8	0.0	4.0	
130	92.7	72.2	108.2	





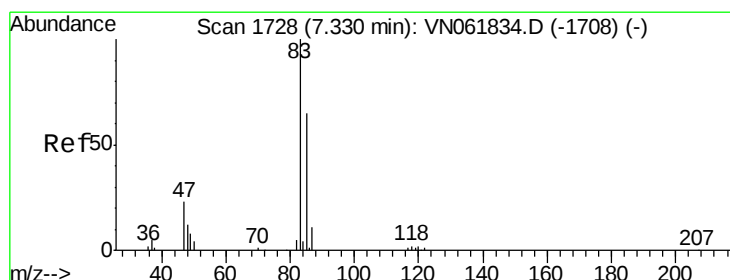
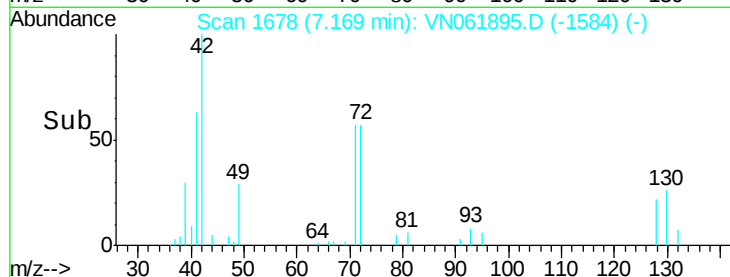
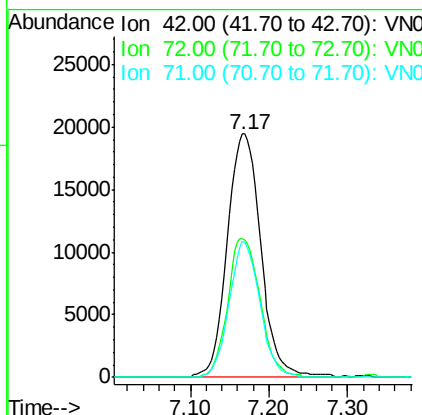
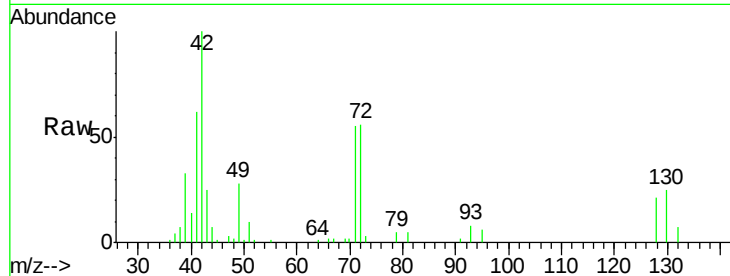
#29
Tetrahydrofuran
Concen: 105.088 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.0	44.0	66.0
71	50.8	40.0	60.0

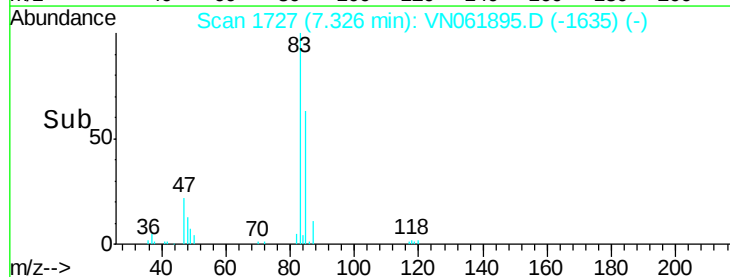
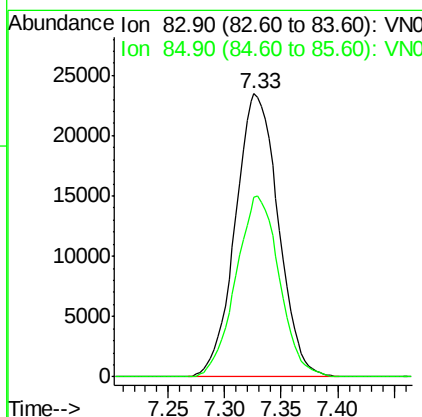
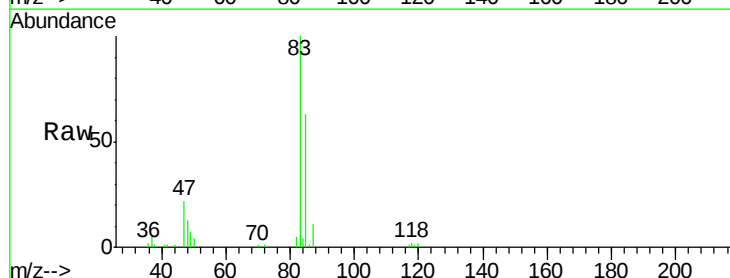
Manual Integrations
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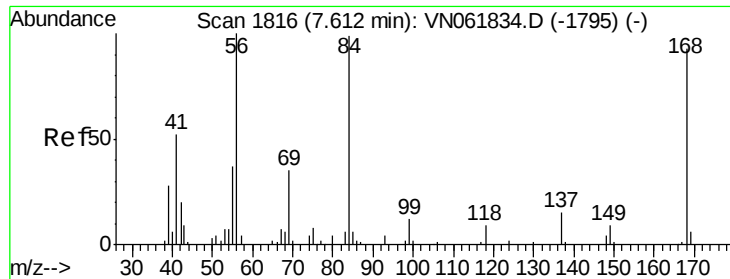
MMDadoda
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#30
Chloroform
Concen: 19.896 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.0	78.0





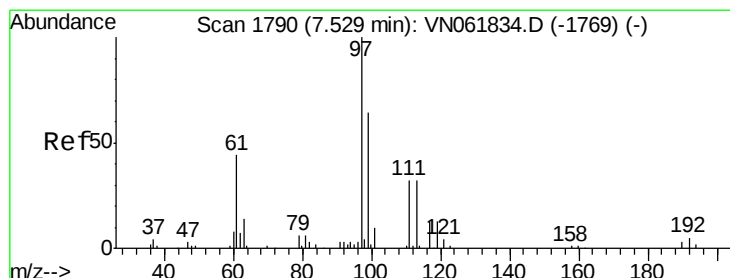
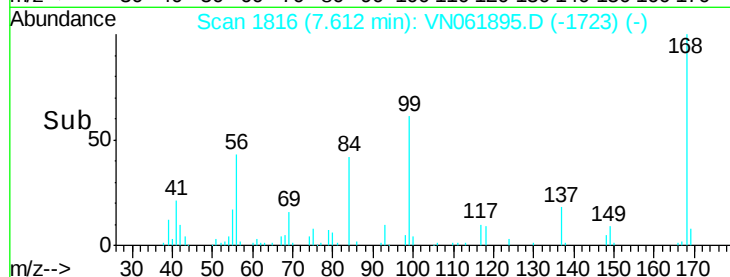
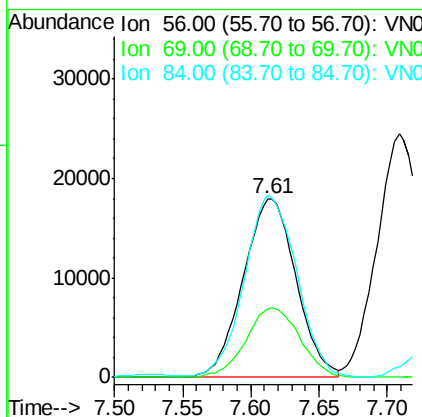
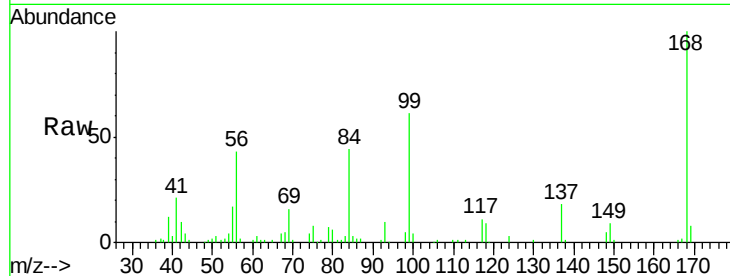
#31
Cyclohexane
Concen: 18.947 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	27.7	41.5
84	101.4	79.1	118.7

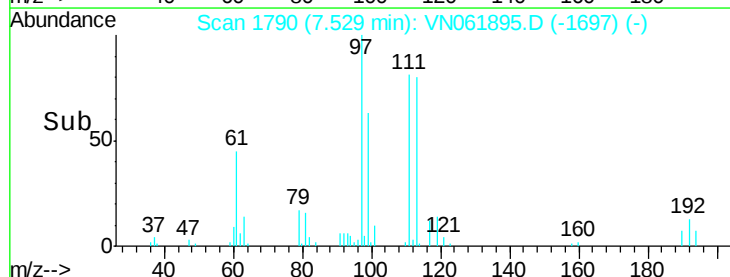
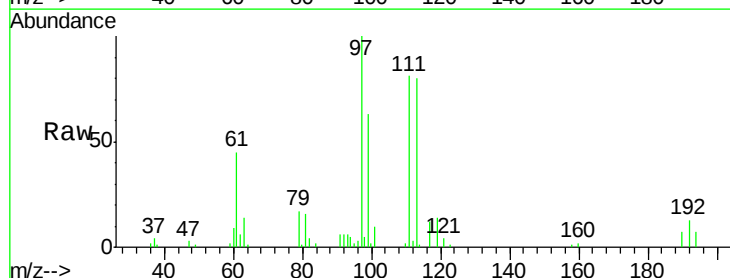
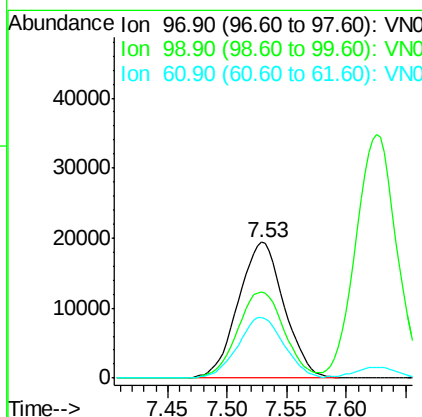
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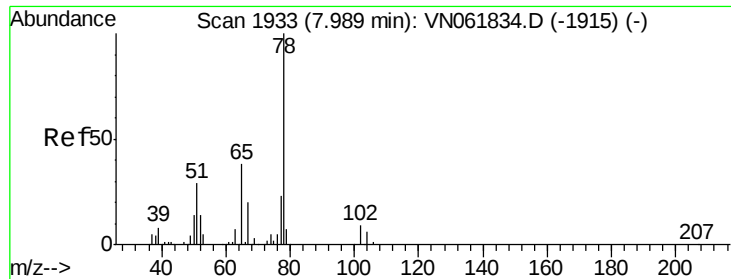
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#32
1,1,1-Trichloroethane
Concen: 19.510 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.5	77.3
61	44.9	35.1	52.7





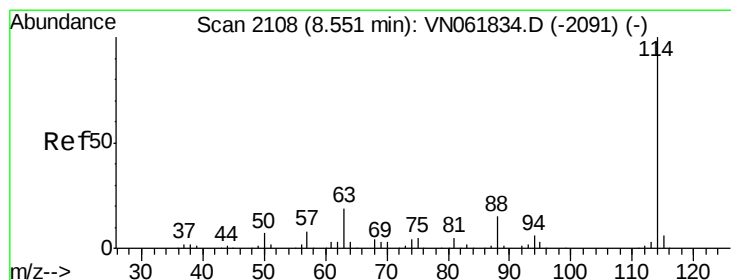
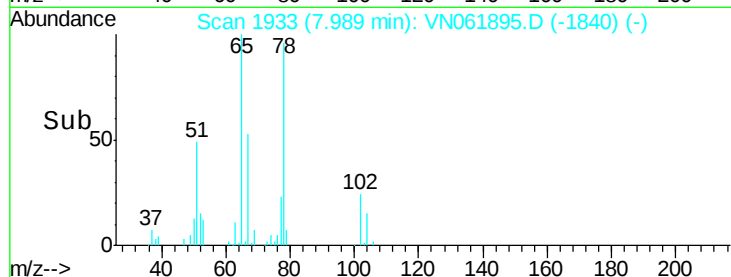
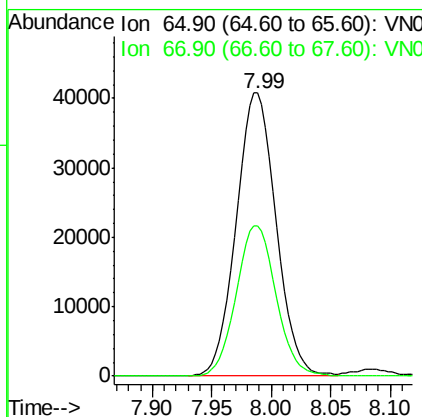
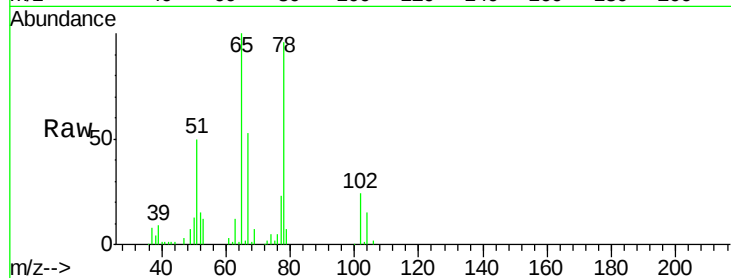
#33
 1,2-Dichloroethane-d4
 Concen: 49.016 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	106.2	

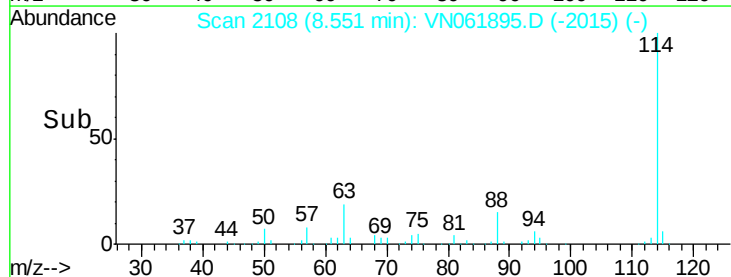
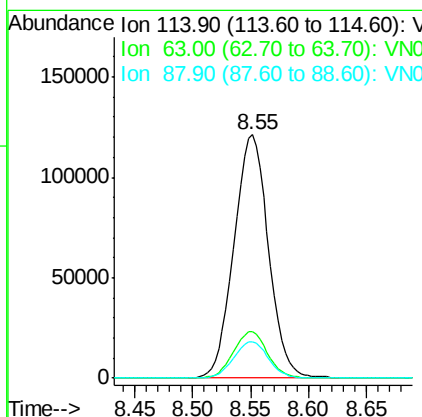
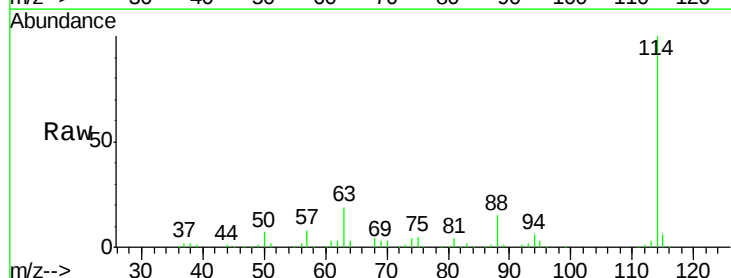
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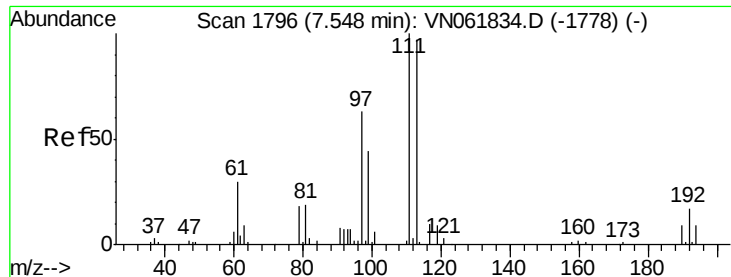
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	37.6	
88	15.0	0.0	31.0	





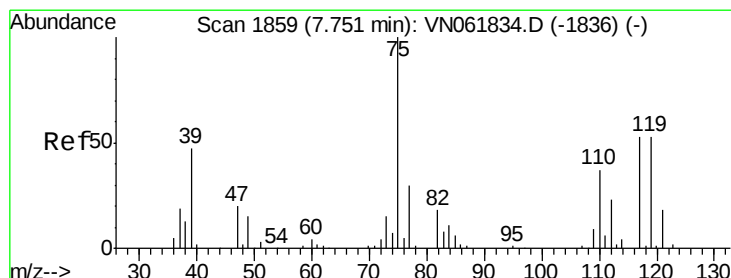
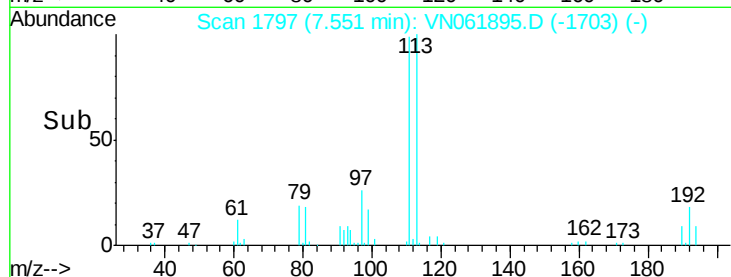
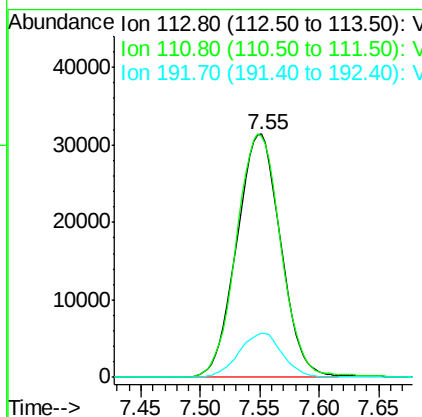
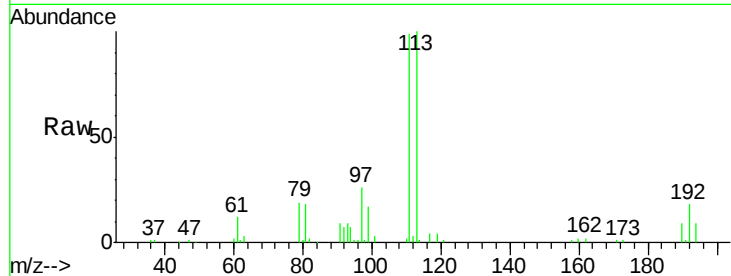
#35
 Dibromofluoromethane
 Concen: 50.196 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.7	125.5
192	17.8	13.9	20.9

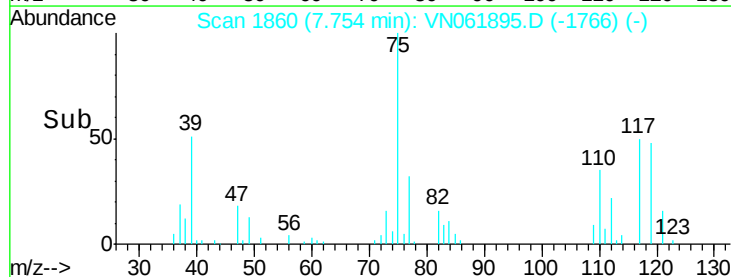
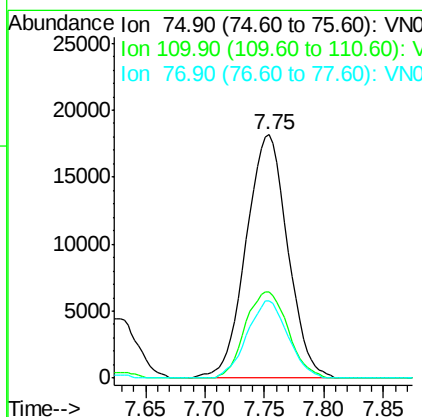
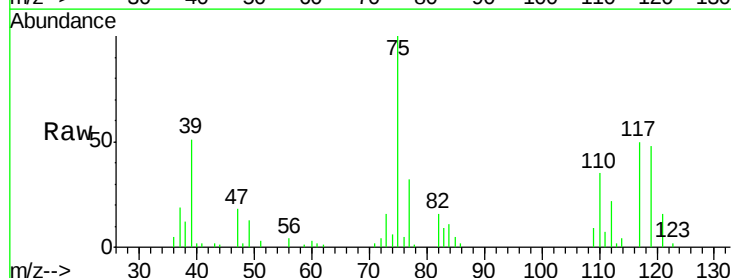
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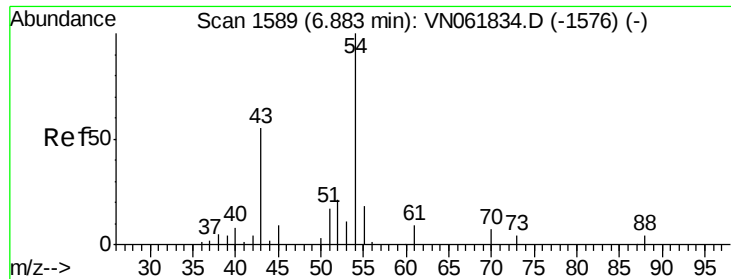
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#36
 1,1-Dichloropropene
 Concen: 19.307 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.2	54.6
77	31.0	24.2	36.4





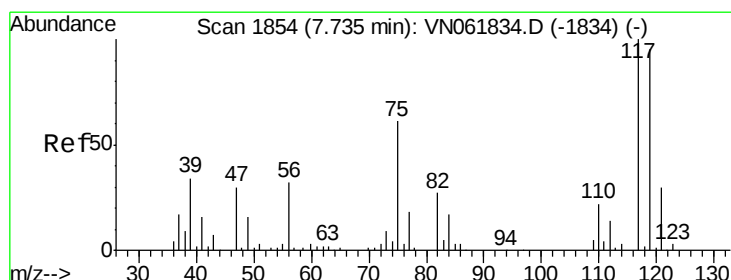
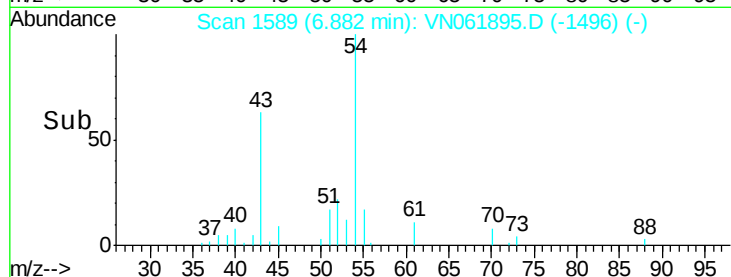
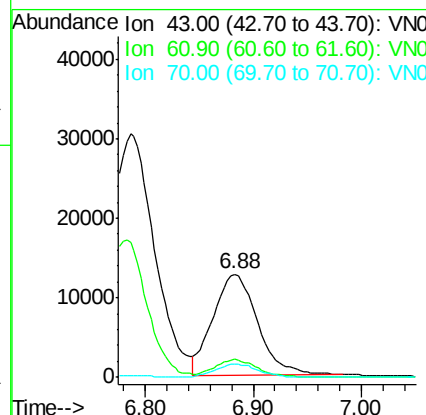
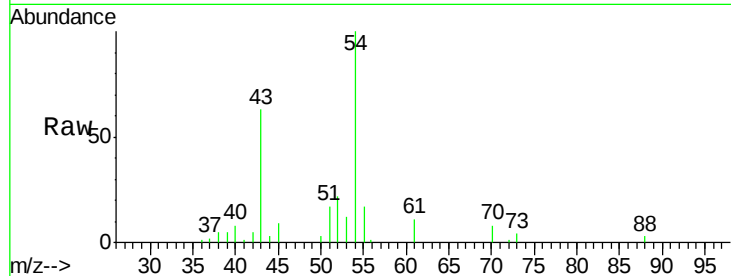
#37
Ethyl Acetate
Concen: 20.827 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	13.0	19.4
70	12.3	9.4	14.2

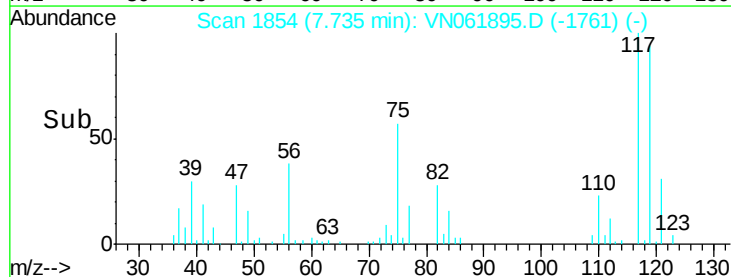
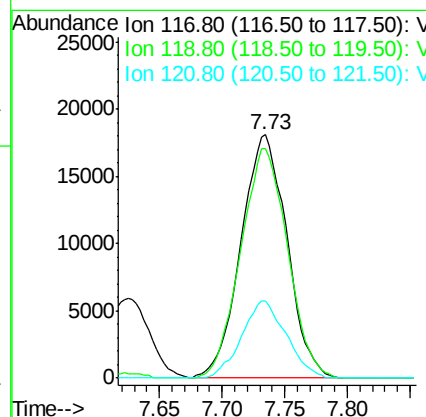
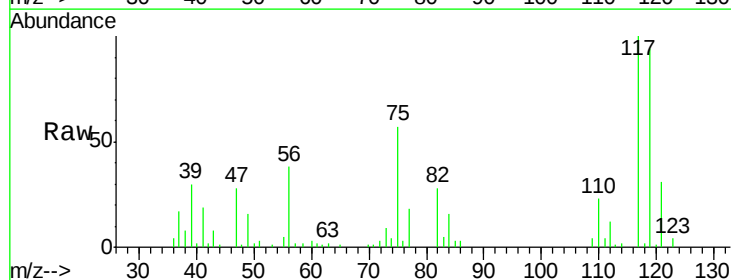
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#38
Carbon Tetrachloride
Concen: 20.411 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.8	113.6
121	31.5	23.8	35.6





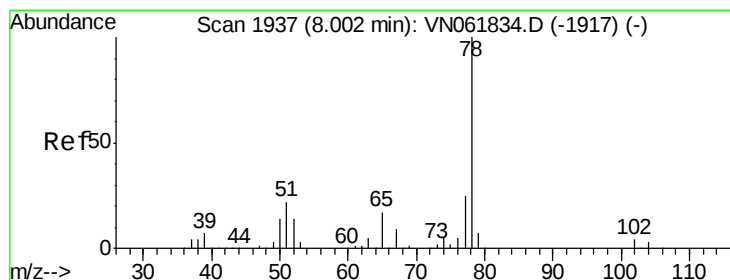
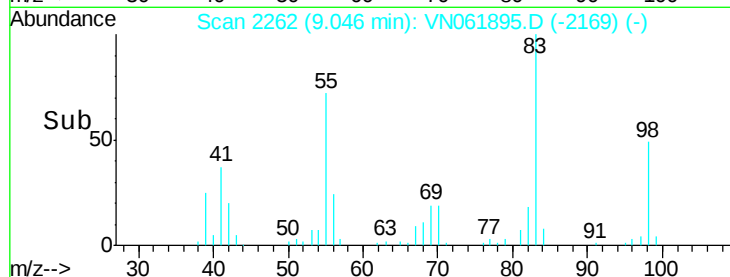
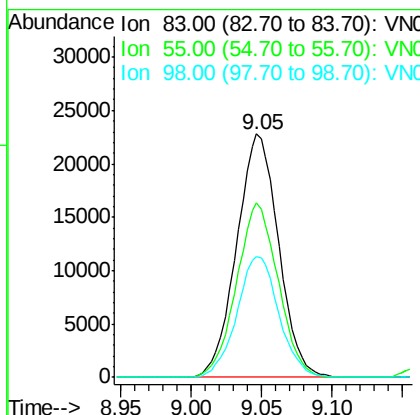
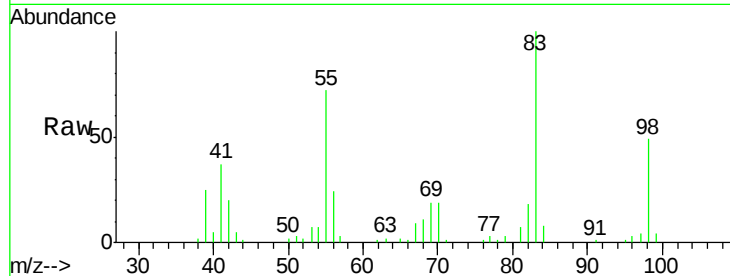
#39
Methvlcvclohexane
Concen: 19.289 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	83	Resp	47413
Ion Ratio	100	Lower	Upper
83	100		
55	71.7	54.2	81.4
98	49.5	39.8	59.6

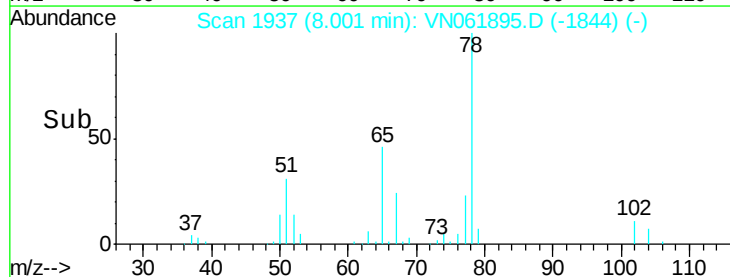
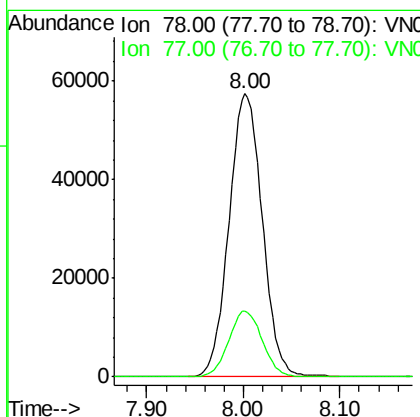
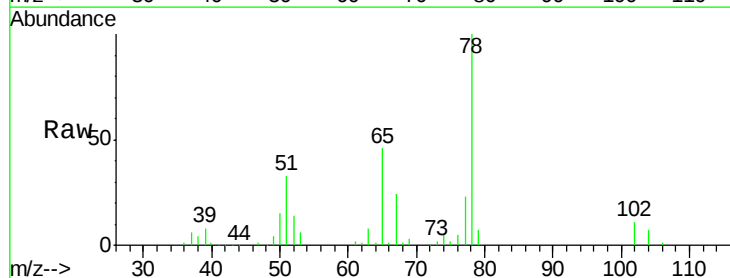
Manual Integrations
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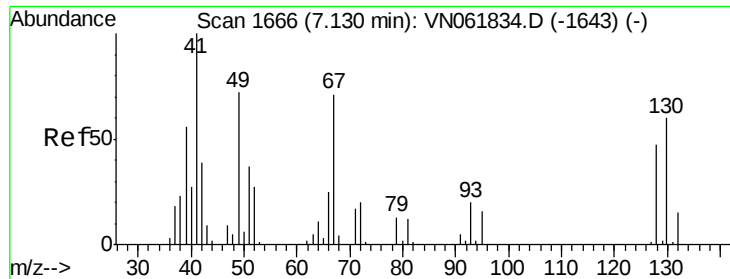
MMDadoda
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#40
Benzene
Concen: 19.859 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	78	Resp	137320
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	19.7	29.5





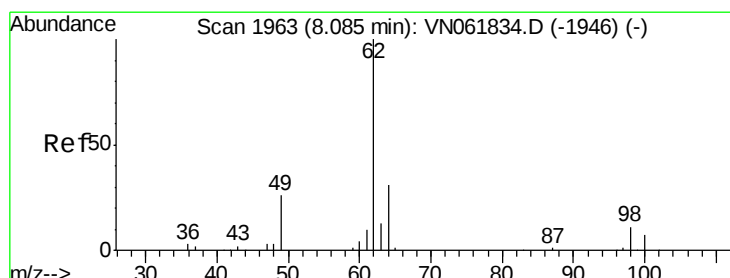
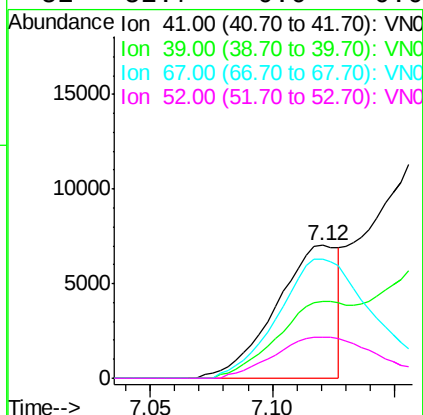
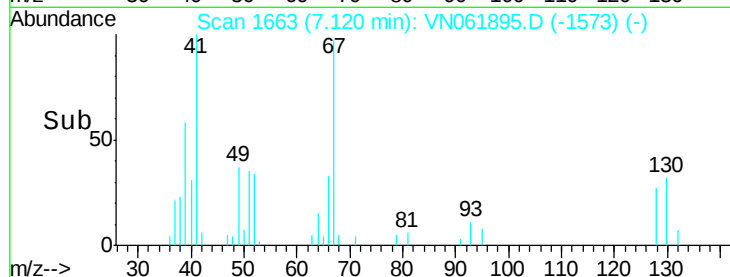
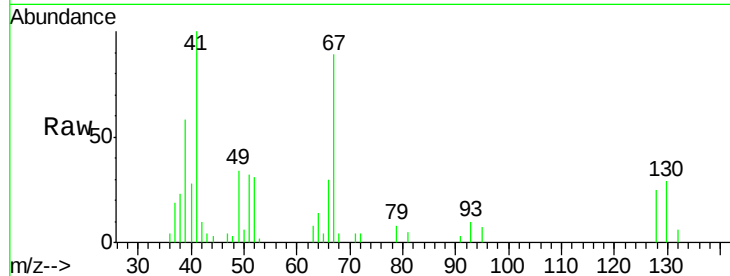
#41
Methacrylonitrile
Concen: 16.314 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.7	0.0	0.0#
67	137.1	0.0	0.0#
52	52.7	0.0	0.0#

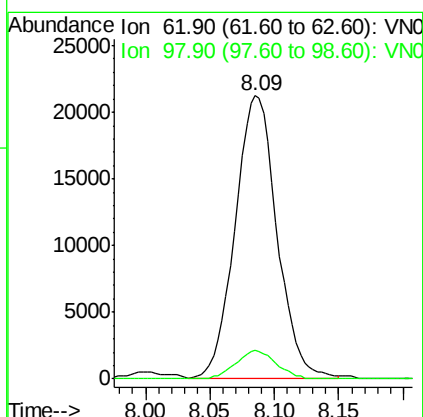
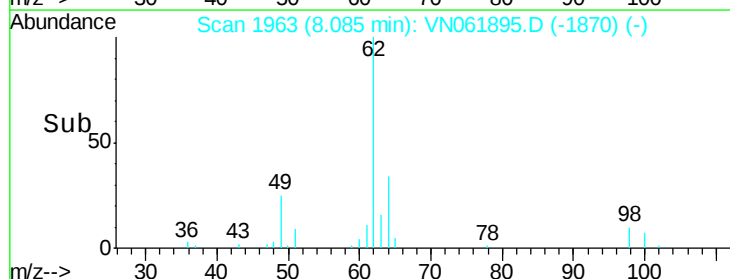
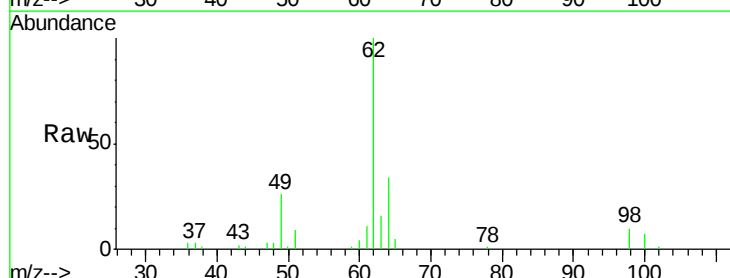
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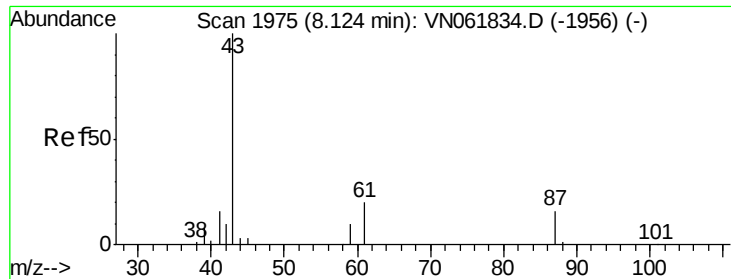
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.411 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.4





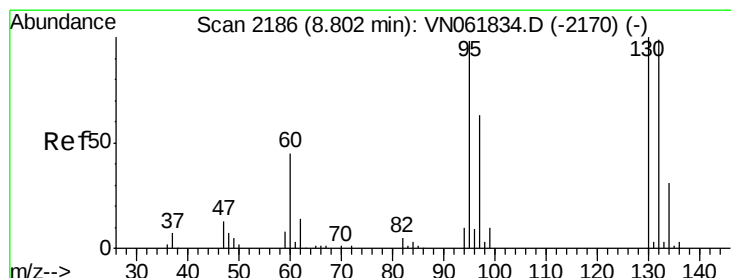
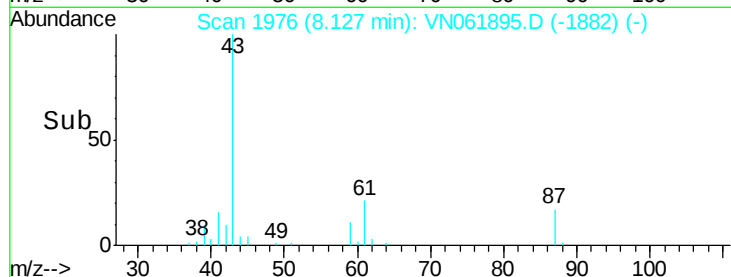
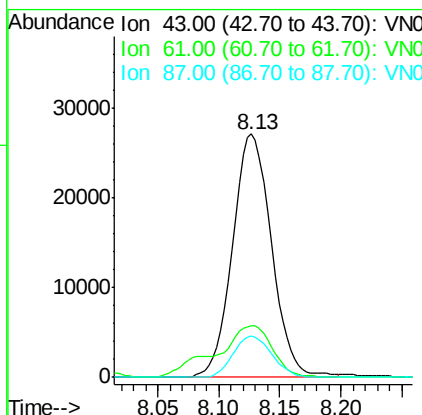
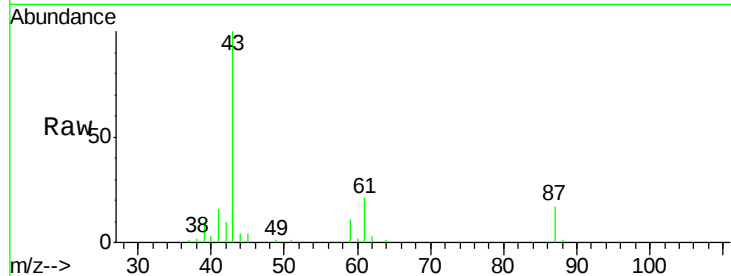
#43
Isopropyl Acetate
Concen: 19.993 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	24.0	36.0#
87	16.7	12.5	18.7

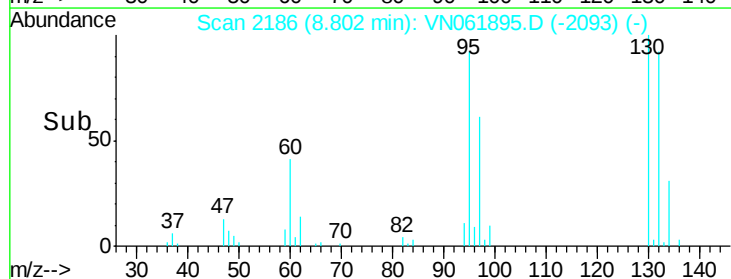
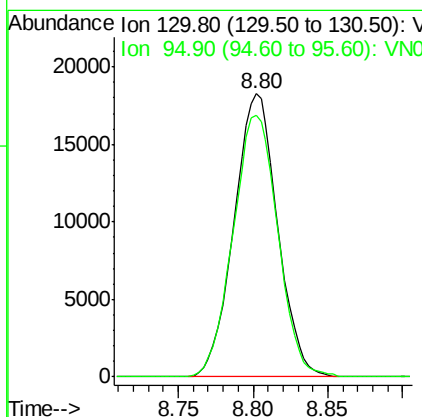
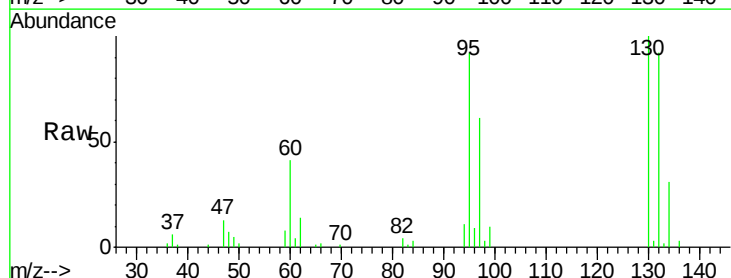
Manual Integrations
APPROVED

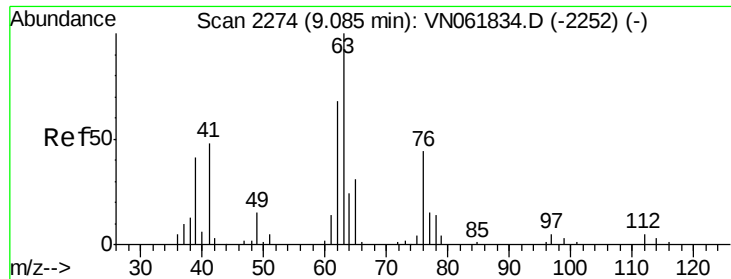
MMDadoda
6/19/2020 1:03:35 PM



#44
Trichloroethene
Concen: 20.271 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	195.6





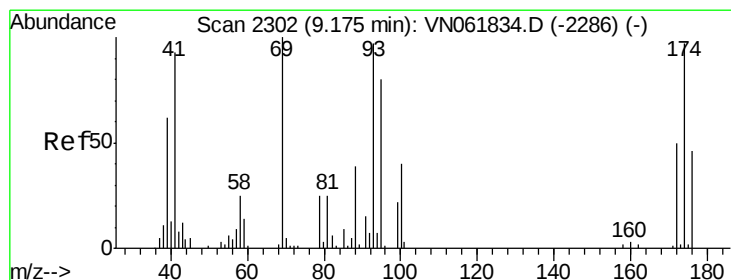
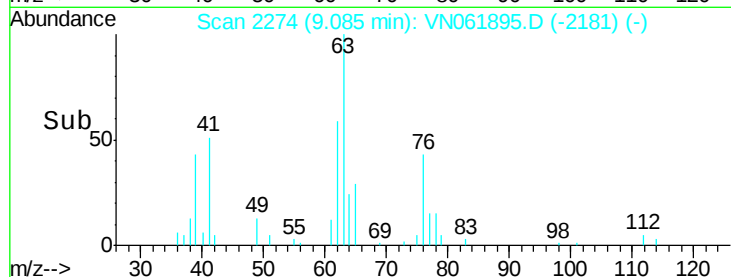
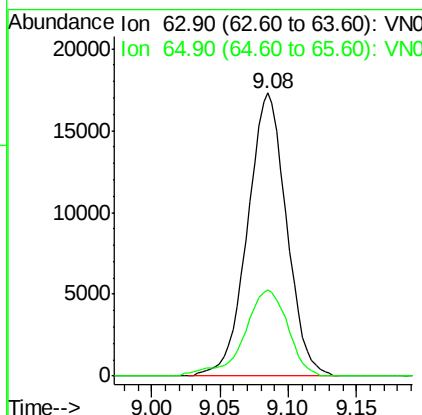
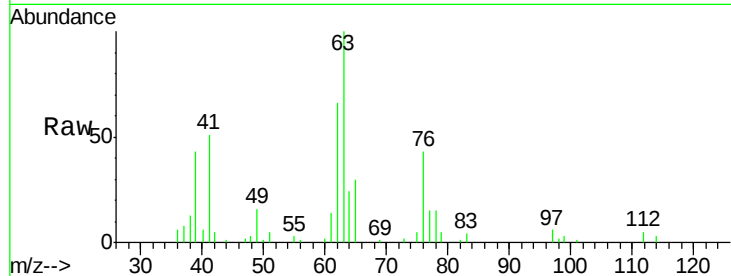
#45
 1,2-Dichloropropane
 Concen: 20.183 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.1	37.7

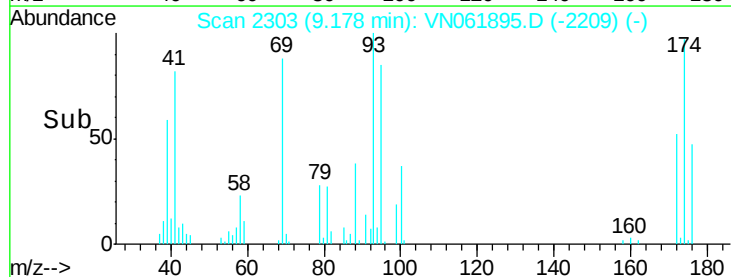
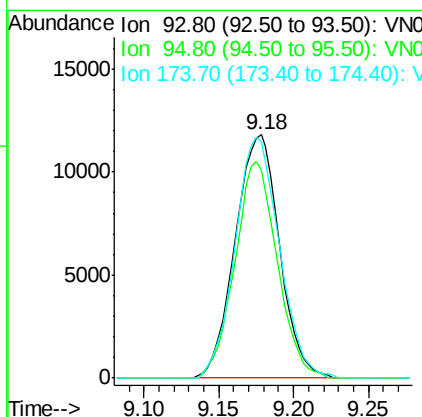
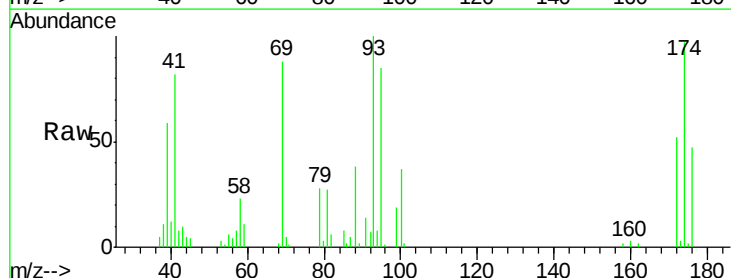
Manual Integrations
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#46
 Dibromomethane
 Concen: 20.389 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	65.8	98.6
174	98.9	78.5	117.7





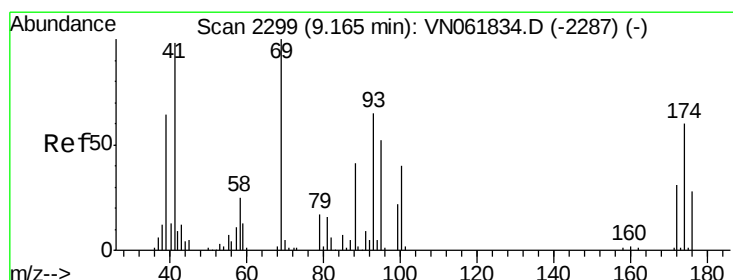
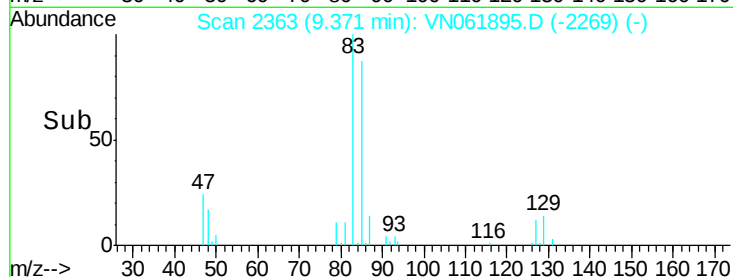
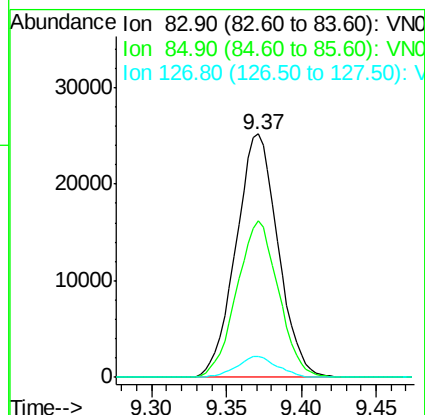
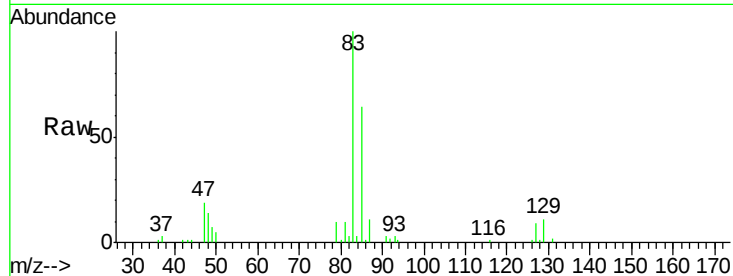
#47
Bromodichloromethane
Concen: 20.094 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	83	Resp	49236
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	50.8	76.2
127	8.7	7.0	10.4

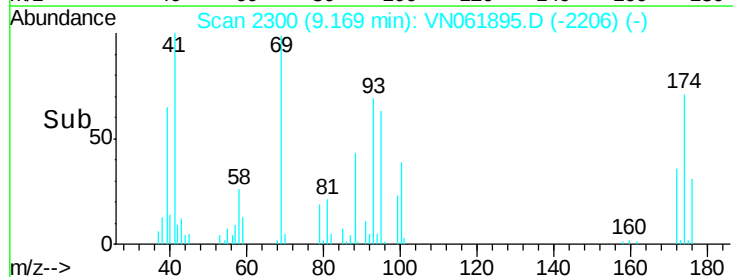
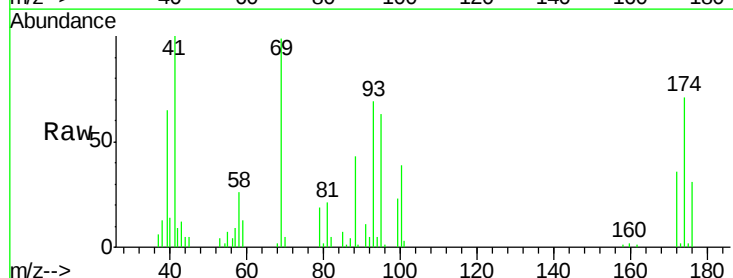
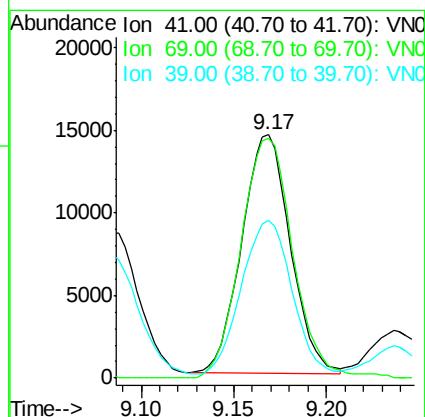
Manual Integrations
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#48
Methyl methacrylate
Concen: 19.302 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	41	Resp	26369
Ion Ratio	100	Lower	Upper
41	100		
69	107.4	83.0	124.4
39	70.7	55.1	82.7





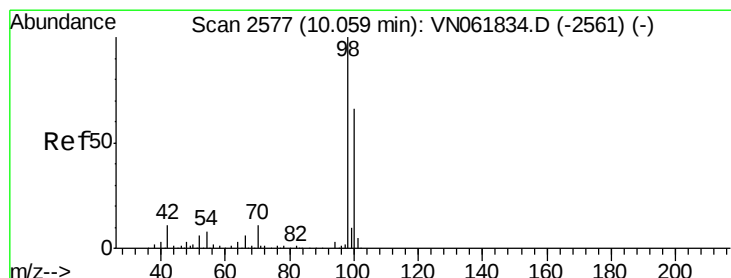
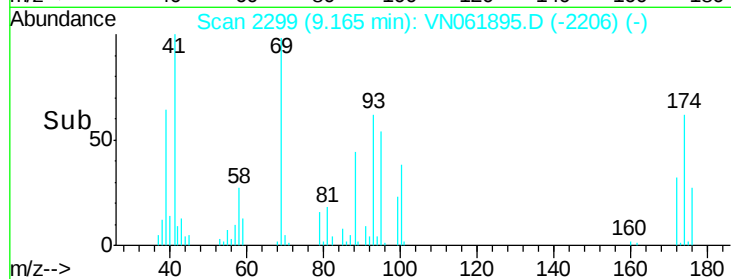
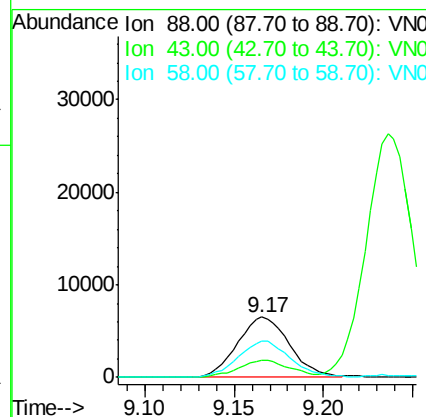
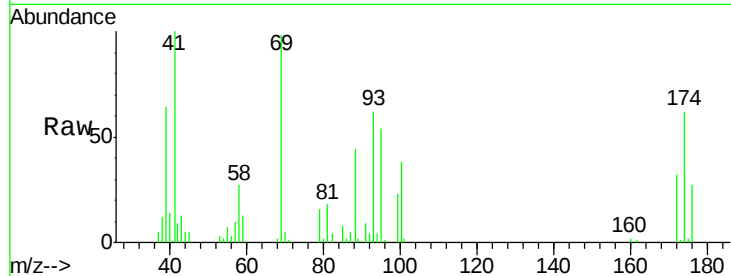
#49
1,4-Dioxane
Concen: 420.982 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	88	Resp	13204
Ion	Ratio	Lower	Upper
88	100		
43	28.8	23.4	35.2
58	60.5	49.8	74.6

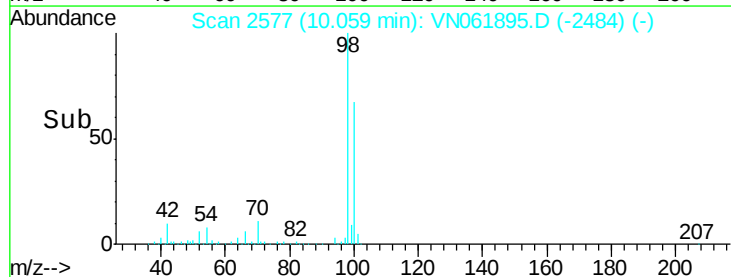
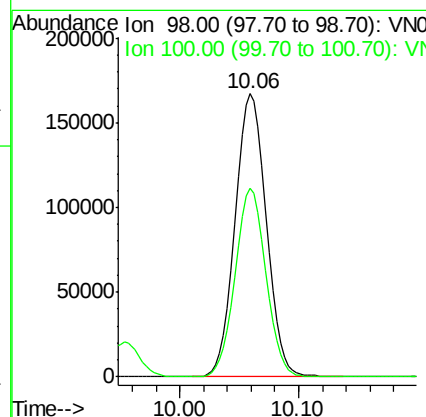
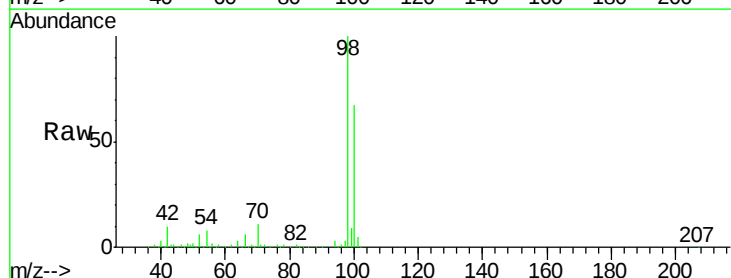
Manual Integrations
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#50
Toluene-d8
Concen: 48.390 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	98	Resp	304588
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 103.768 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 43 Resp: 184209

Ion Ratio Lower Upper

43 100

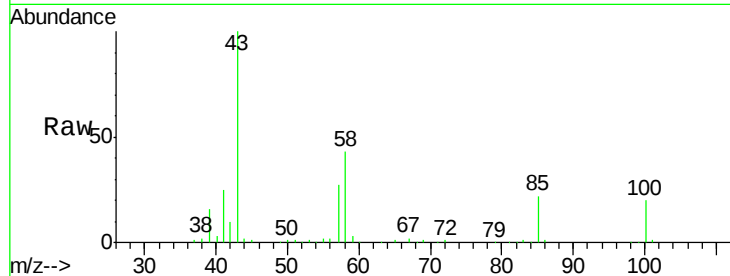
58 43.1 34.6 52.0

Manual Integrations

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

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

120000

100000

80000

60000

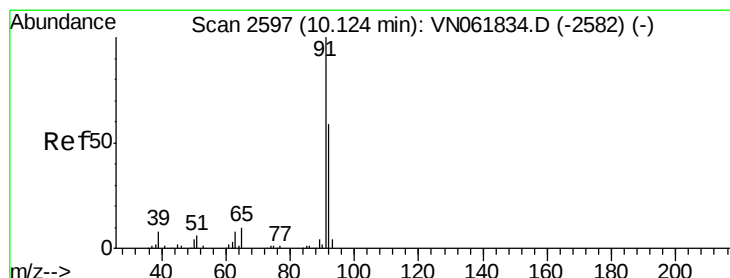
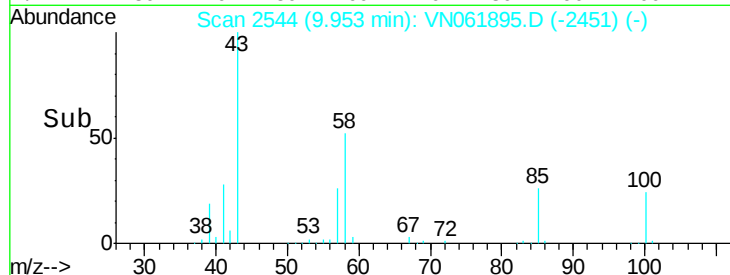
40000

20000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 20.286 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061895.D

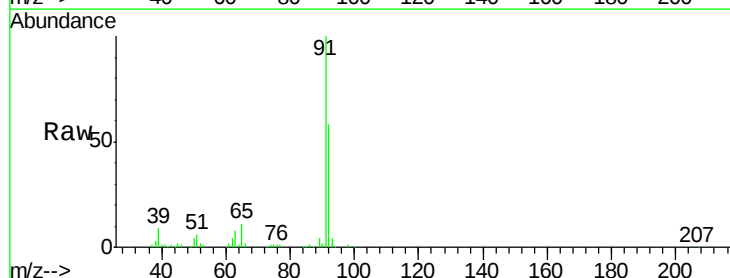
Acq: 18 Jun 2020 13:14

Tgt Ion: 92 Resp: 88097

Ion Ratio Lower Upper

92 100

91 173.9 137.1 205.7



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

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

100000

80000

60000

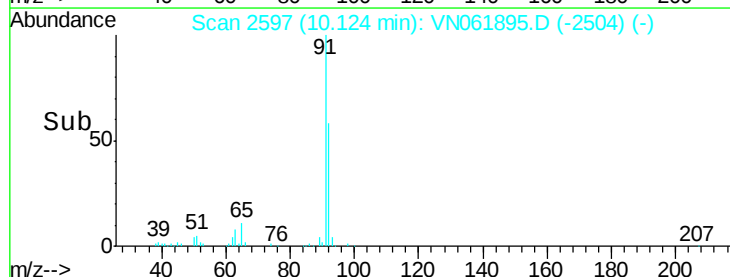
40000

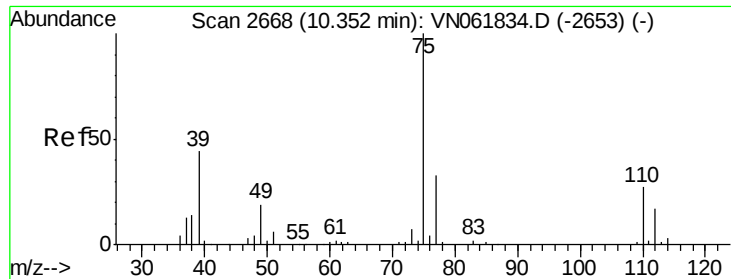
20000

0

10.05 10.10 10.15 10.20

Time-->





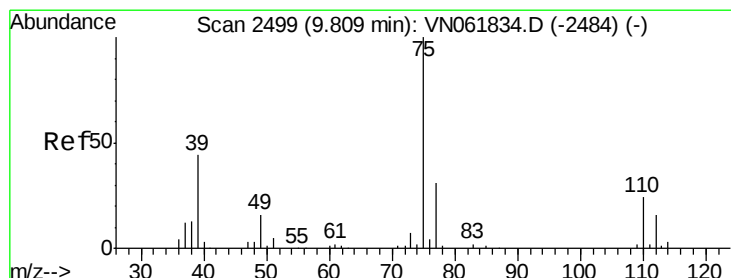
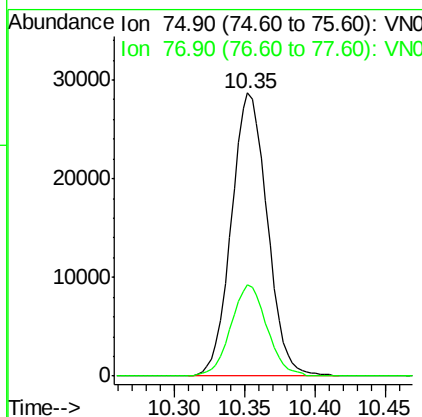
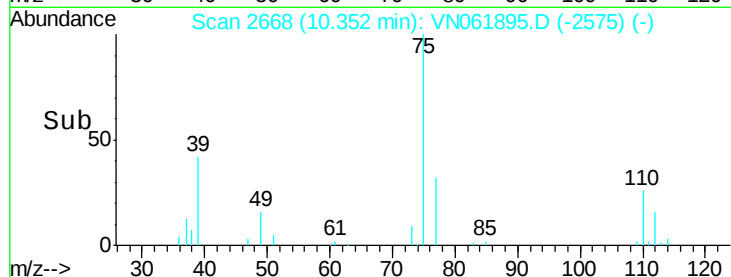
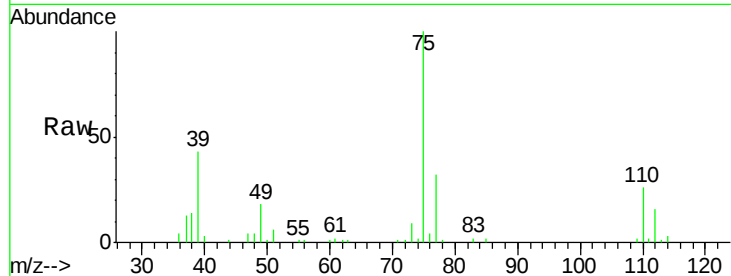
#53
t-1,3-Dichloropropene
Concen: 19.669 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion: 75 Resp: 51164
Ion Ratio Lower Upper
75 100
77 32.1 26.3 39.5

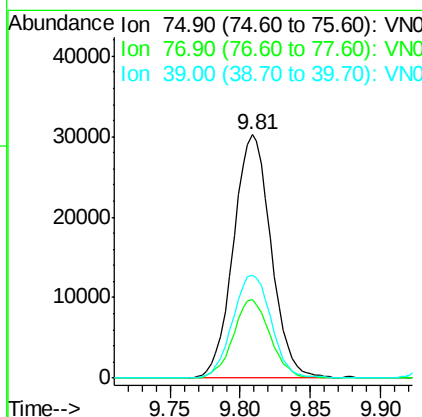
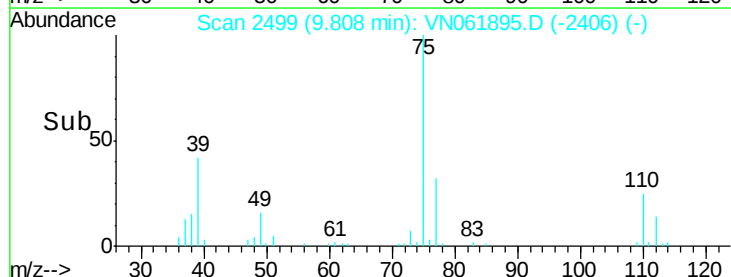
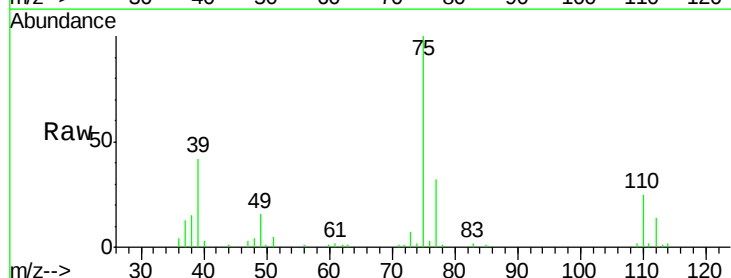
Manual Integrations
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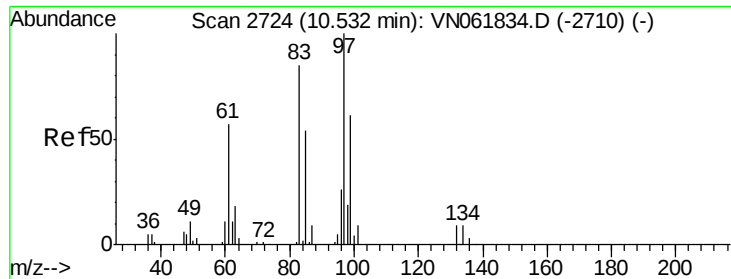
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#54
cis-1,3-Dichloropropene
Concen: 19.997 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion: 75 Resp: 56499
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 42.3 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 21.000 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 97 Resp: 35882

Ion Ratio Lower Upper

97 100

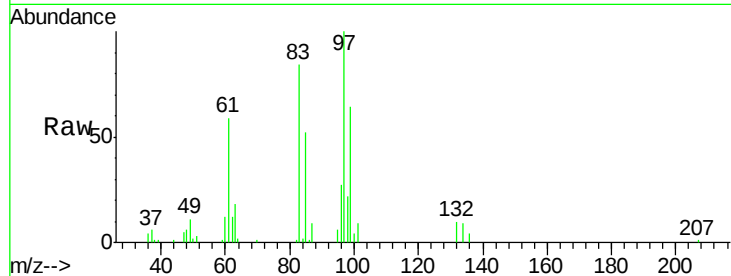
83 84.4 67.7 101.5

85 51.8 43.4 65.0

99 63.5 48.8 73.2

Manual Integrations
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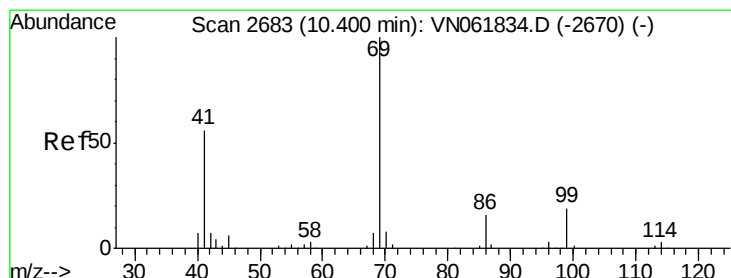
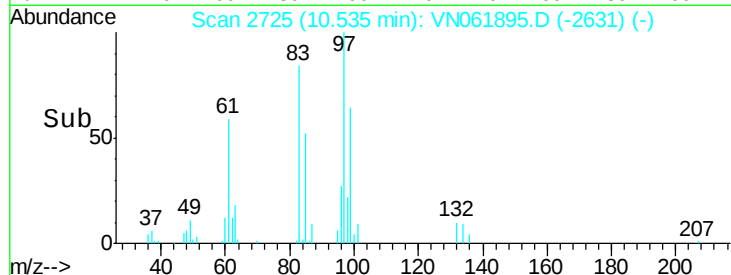
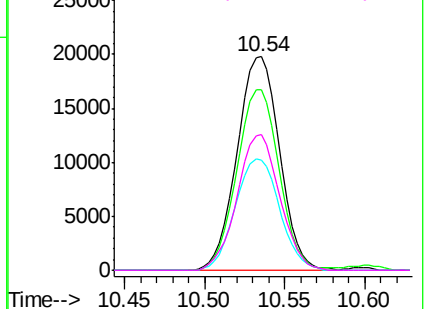
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.243 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Tgt Ion: 69 Resp: 45276

Ion Ratio Lower Upper

69 100

41 56.0 44.9 67.3

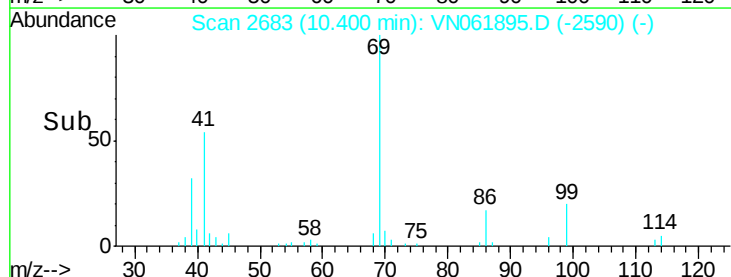
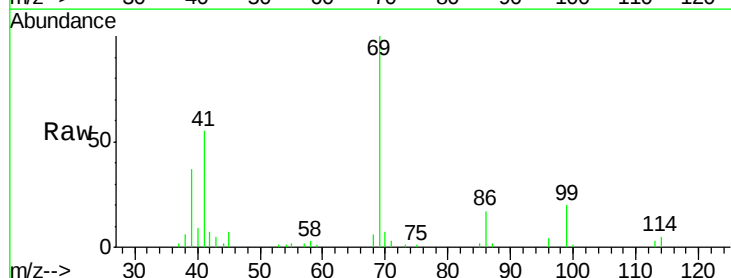
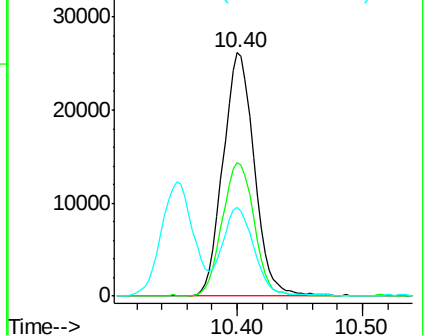
39 35.8 30.0 45.0

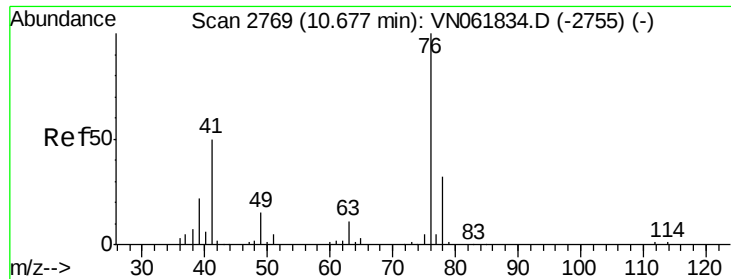
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





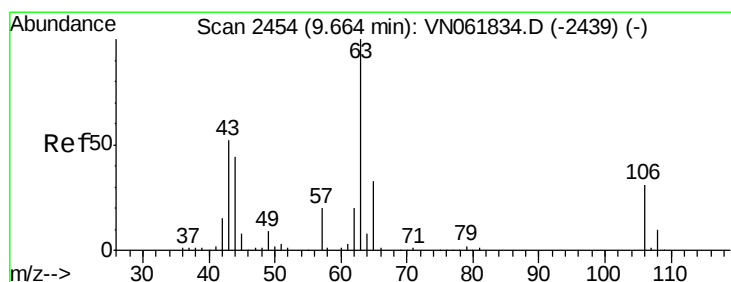
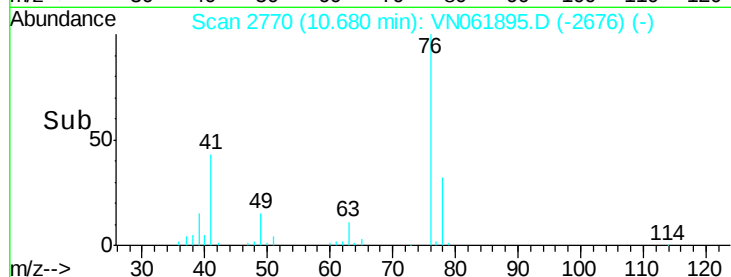
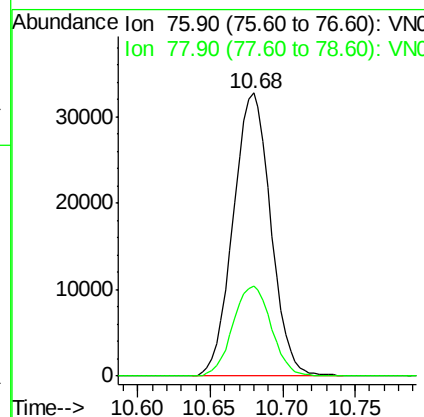
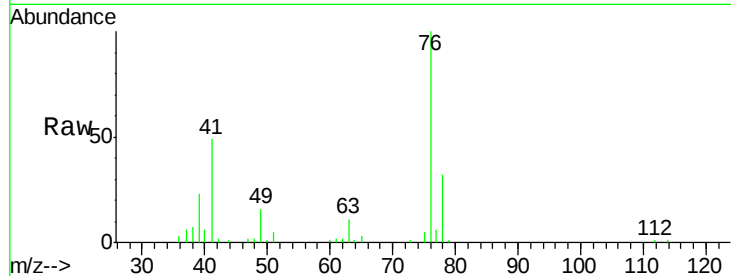
#57
 1,3-Dichloropropane
 Concen: 20.370 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion: 76 Resp: 58965
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

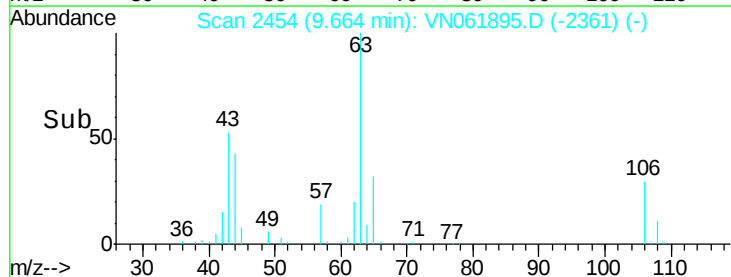
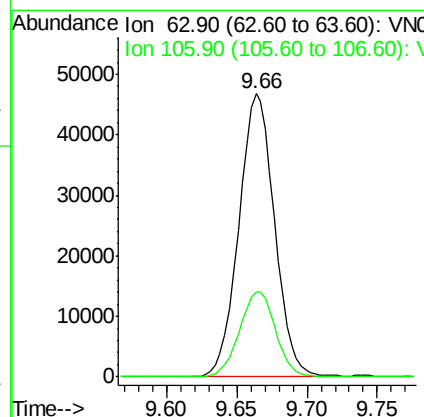
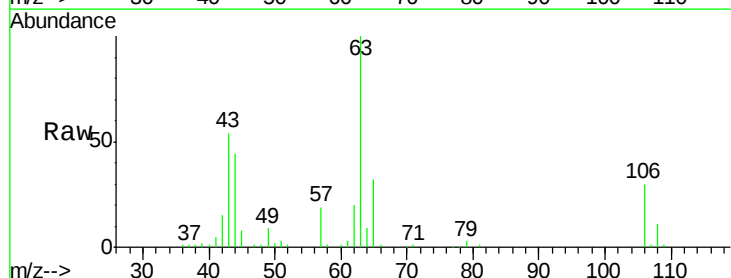
Manual Integrations
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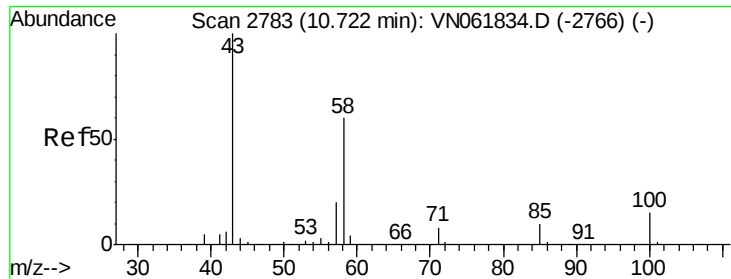
MMDadoda
 6/19/2020 1:03:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.974 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion: 63 Resp: 82939
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.6 36.8





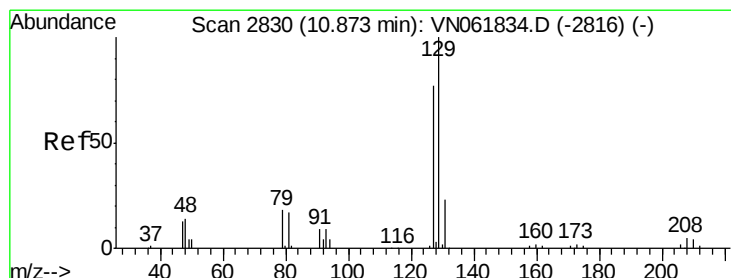
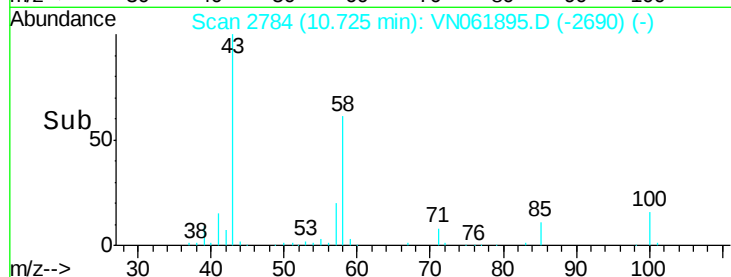
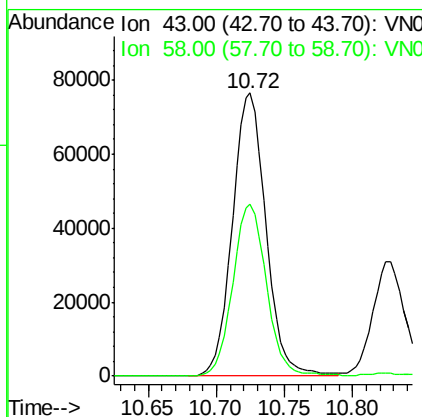
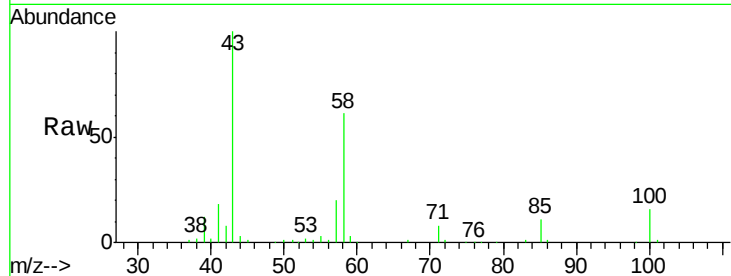
#59
2-Hexanone
Concen: 100.722 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	43	58	Ratio	Lower	Upper
130850	100	60.9		30.1	90.5

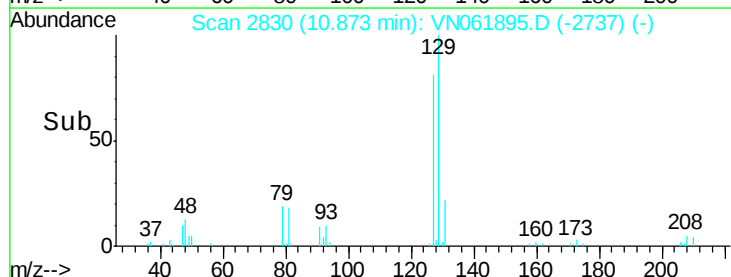
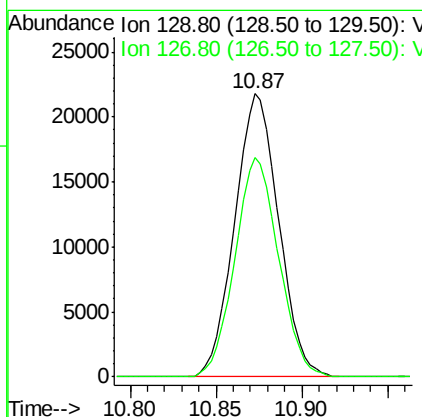
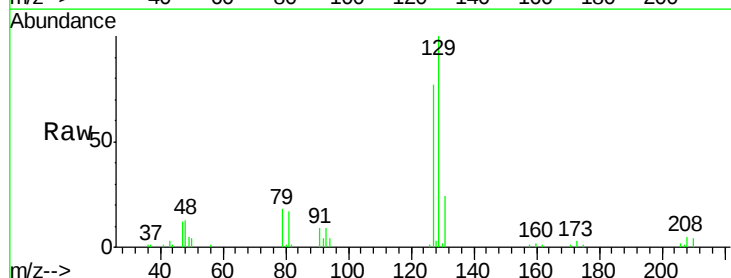
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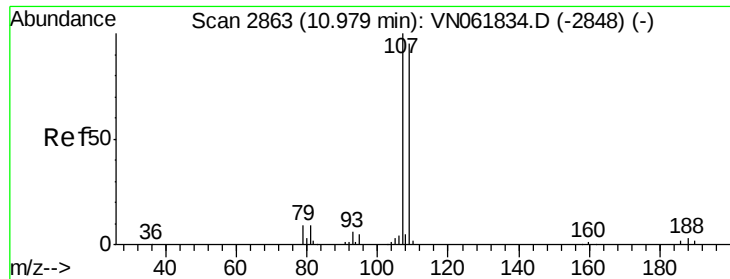
MMDadoda
6/19/2020 1:03:35 PM



#60
Dibromochloromethane
Concen: 20.347 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	129	127	Ratio	Lower	Upper
38794	100	76.9		38.5	115.5





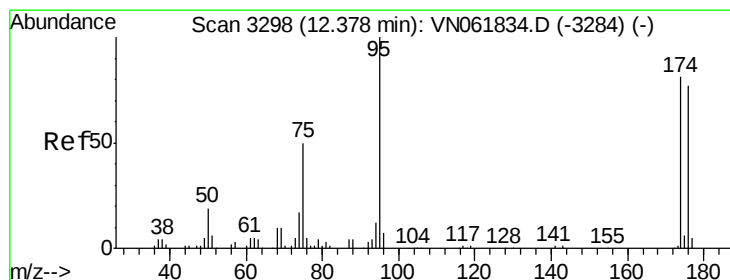
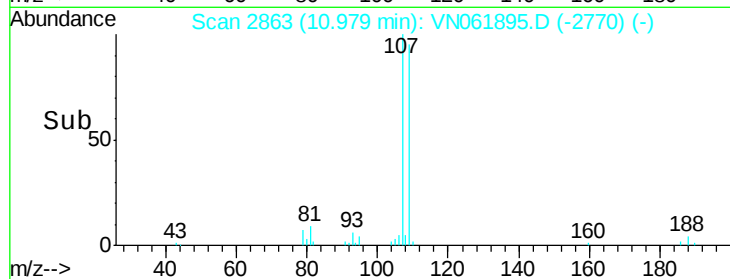
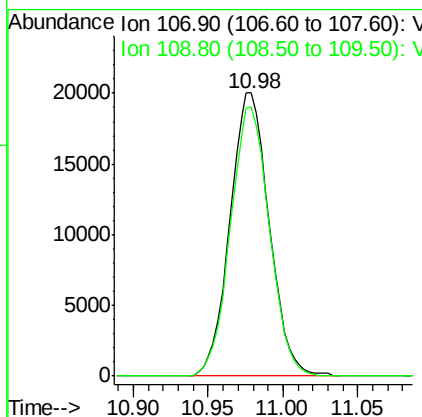
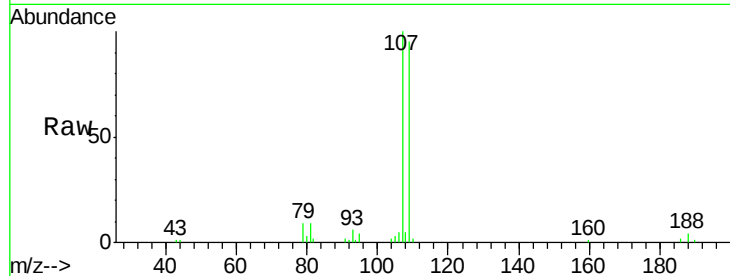
#61
 1,2-Dibromoethane
 Concen: 20.496 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.0	112.6

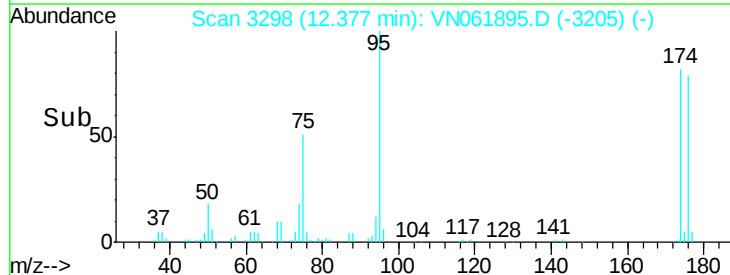
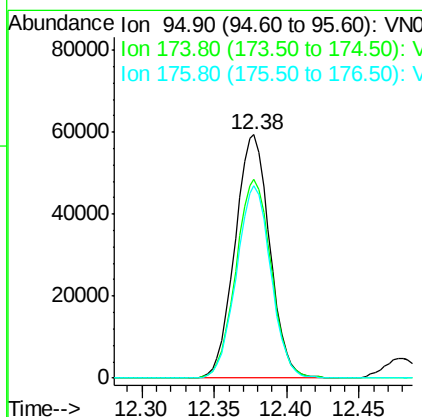
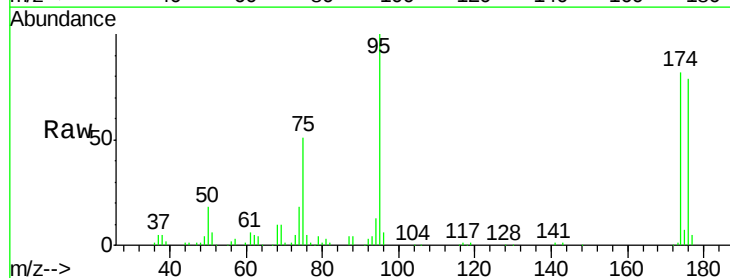
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#62
 4-Bromofluorobenzene
 Concen: 45.910 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	158.6
176	78.2	0.0	152.0





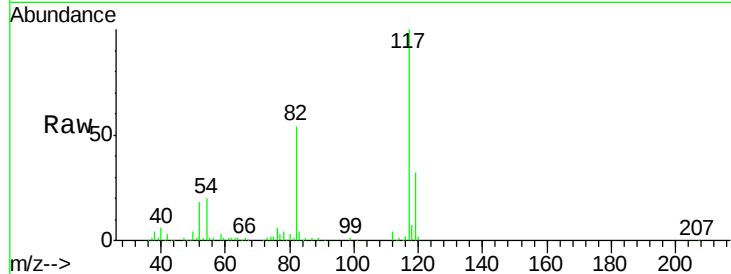
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	234151		
82	54.1	42.6	64.0	
119	32.3	24.7	37.1	

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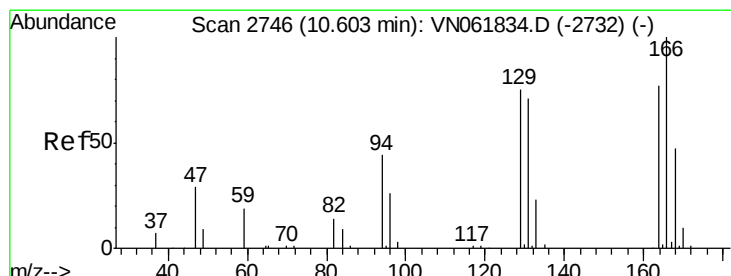
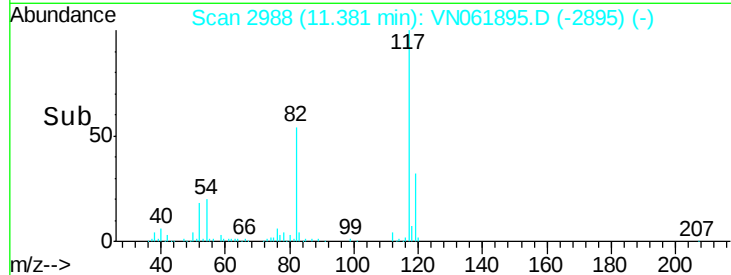
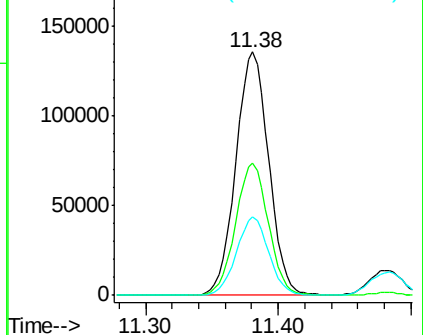


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.566 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30692		
166	134.0	103.5	155.3	
129	100.1	77.5	116.3	
131	94.6	73.8	110.8	

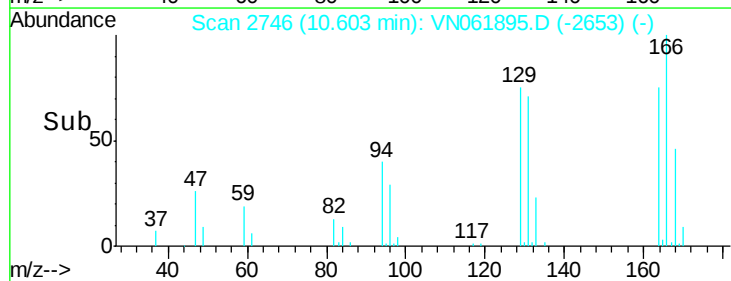
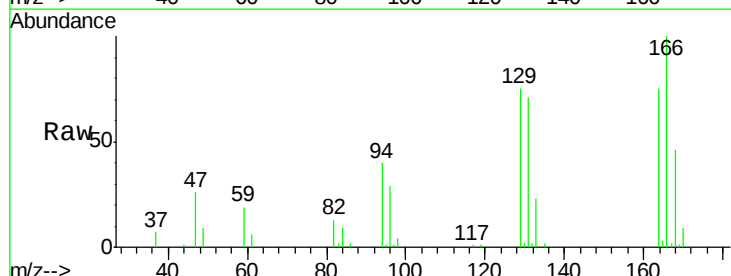
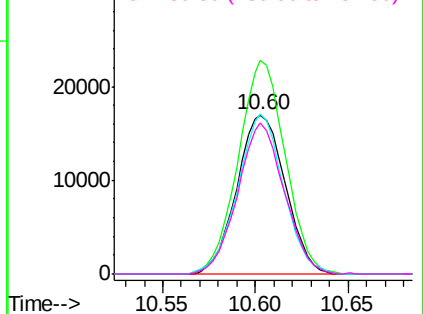
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.370 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion:112 Resp: 95702

Ion Ratio Lower Upper

112 100

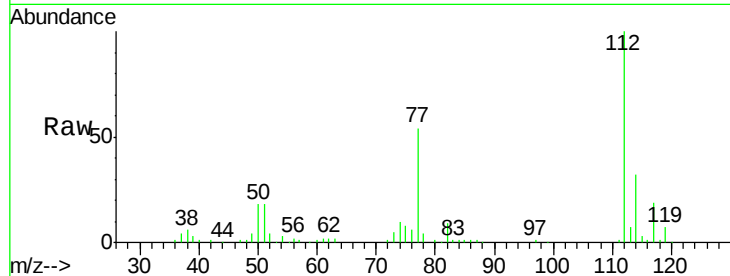
114 31.8 25.8 38.6

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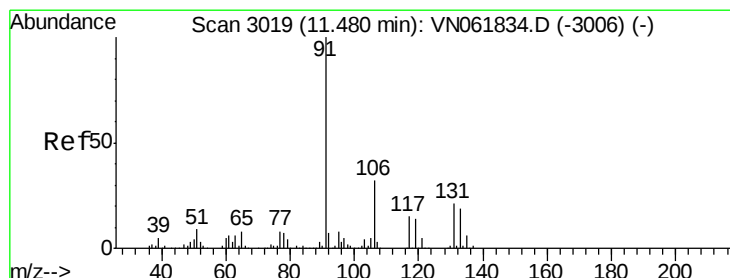
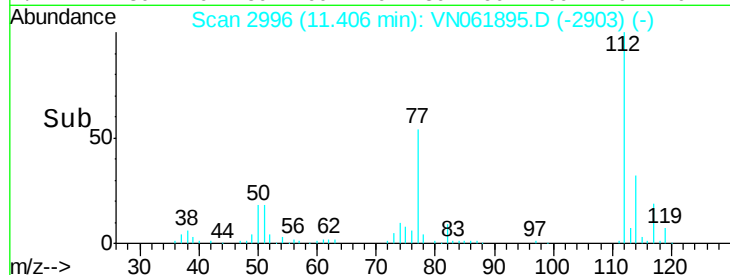
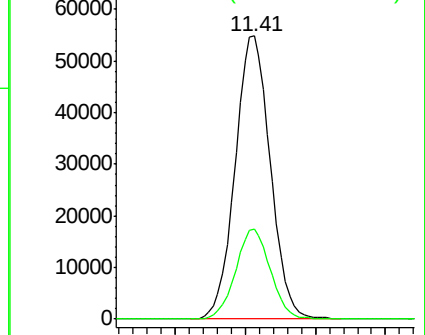
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.063 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

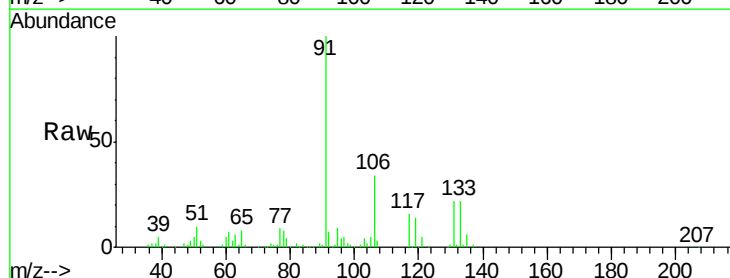
Tgt Ion:131 Resp: 34572

Ion Ratio Lower Upper

131 100

133 98.6 47.5 142.5

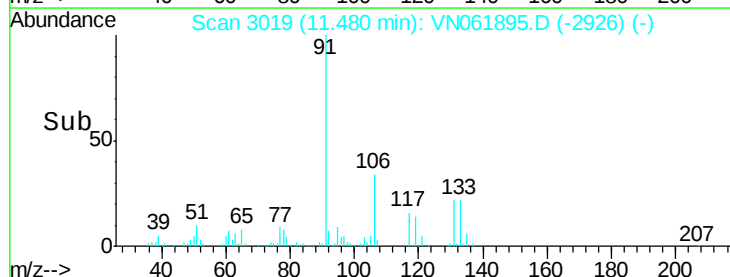
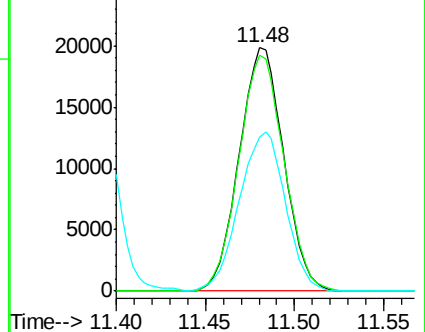
119 67.8 34.0 101.8

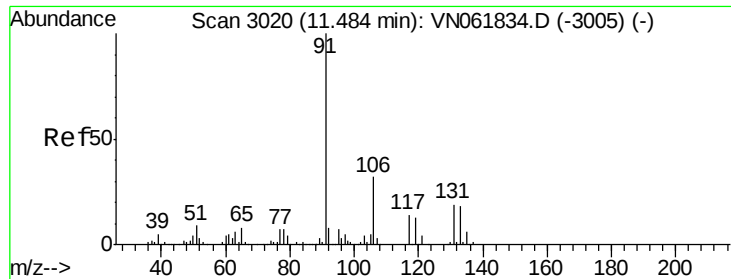


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





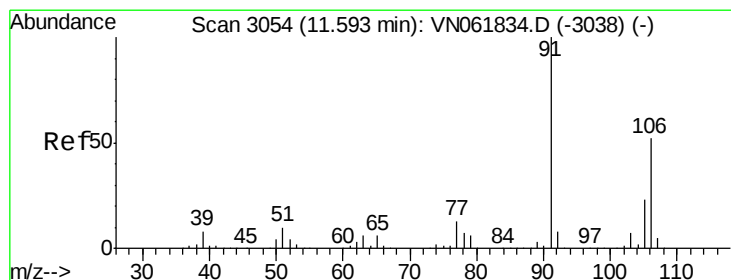
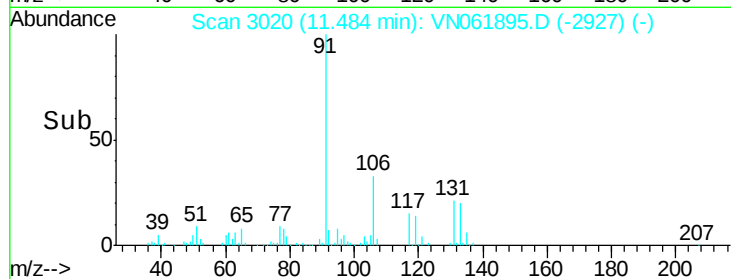
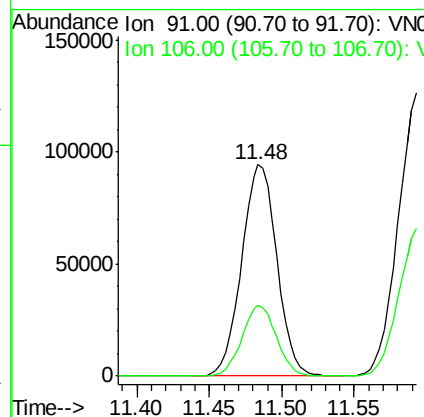
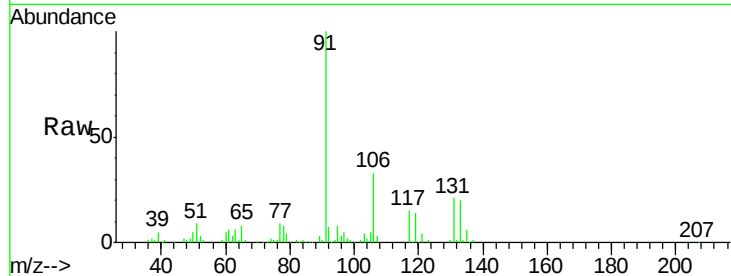
#67
Ethyl Benzene
Concen: 19.252 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion: 91 Resp: 159480
Ion Ratio Lower Upper
91 100
106 33.4 25.4 38.2

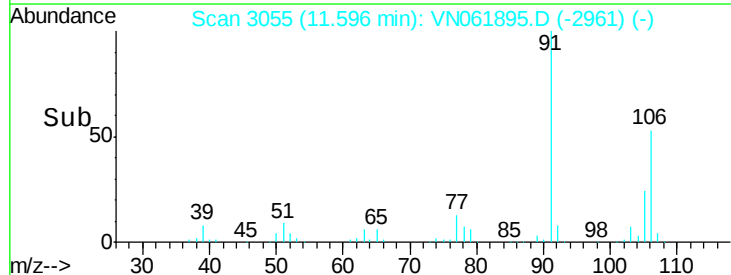
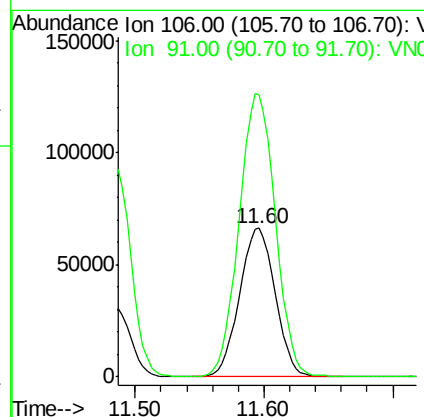
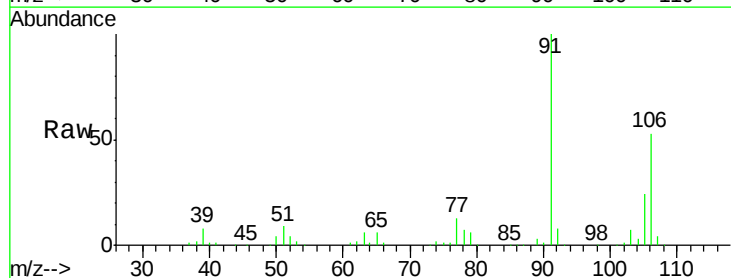
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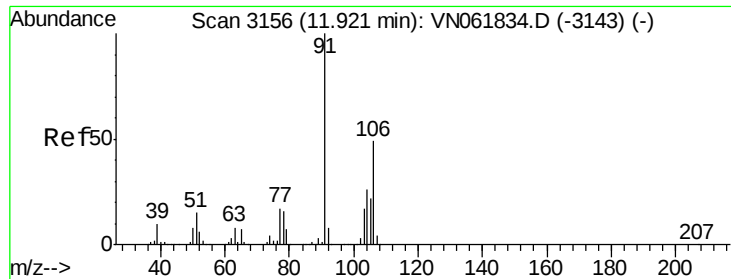
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#68
m/p-Xylenes
Concen: 40.014 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion: 106 Resp: 127816
Ion Ratio Lower Upper
106 100
91 192.3 157.0 235.6





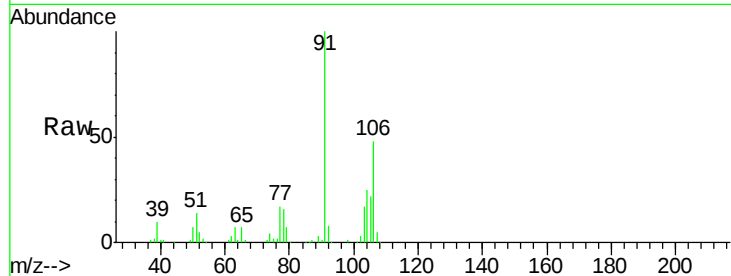
#69
o-Xylene
Concen: 19.761 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

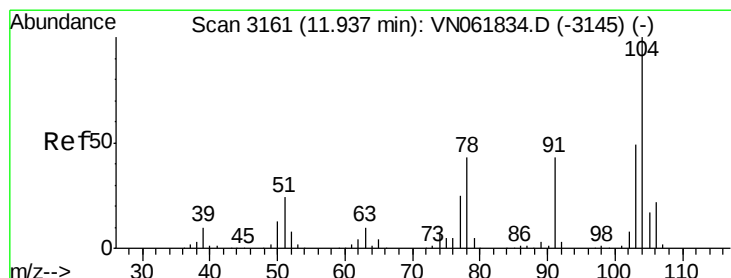
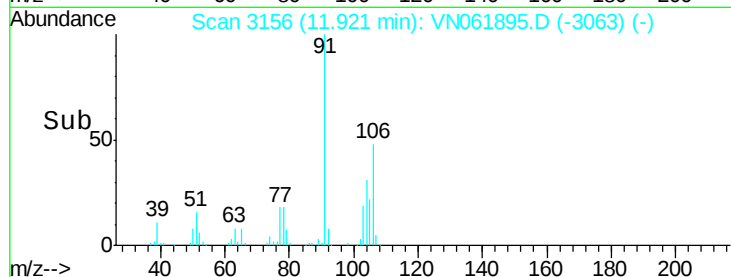
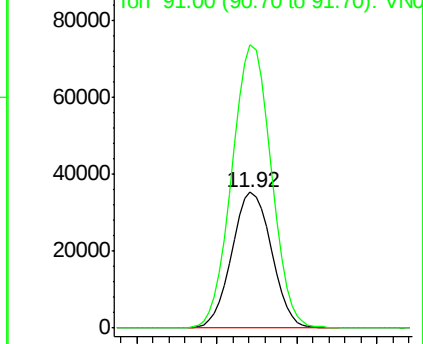
Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.4	103.0	308.9	

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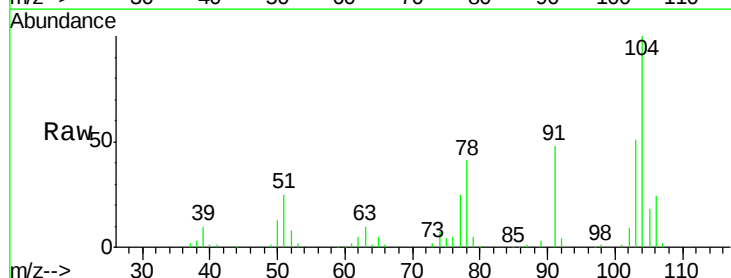


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

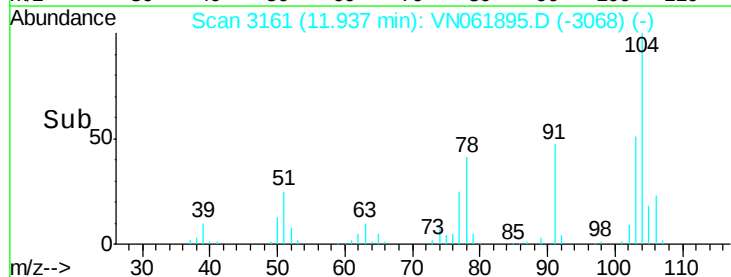
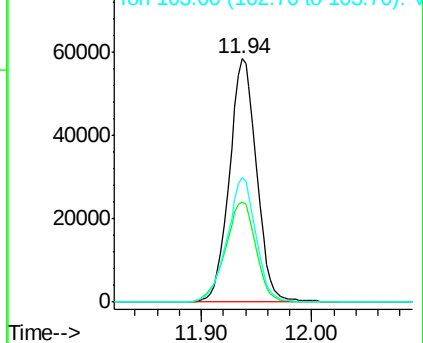


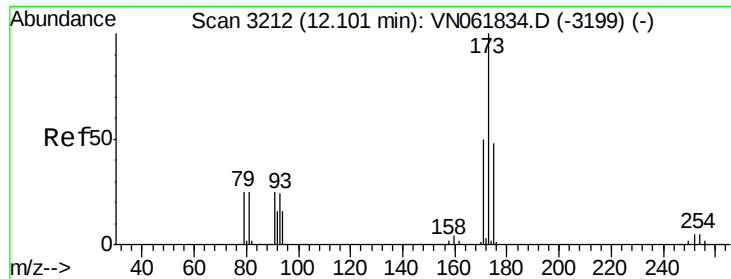
#70
Styrene
Concen: 19.599 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.2	37.6	56.4	
103	53.6	43.0	64.4	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.021 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

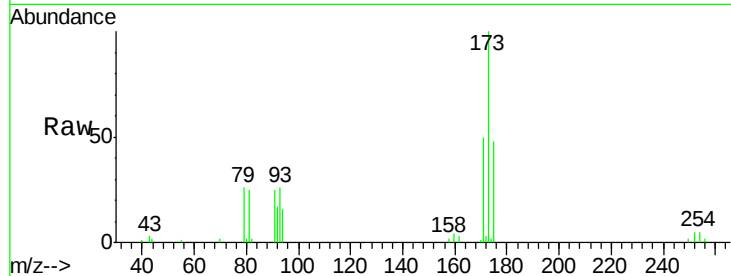
ClientSampleId :

VN0618WBSD01

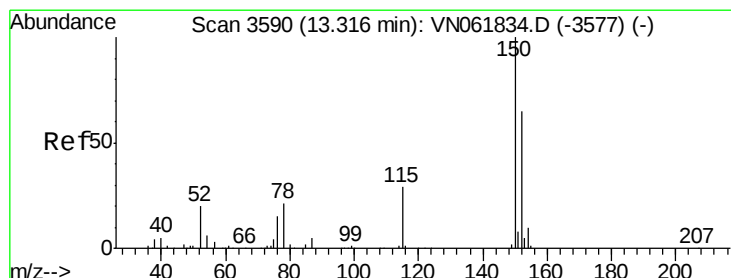
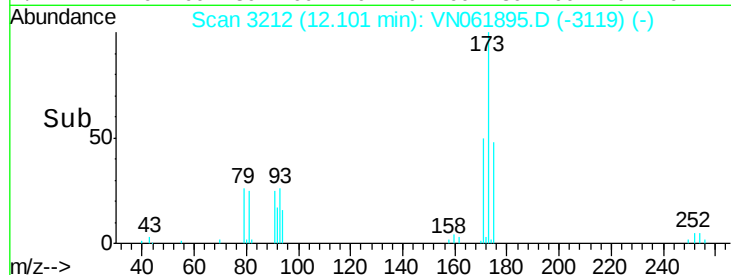
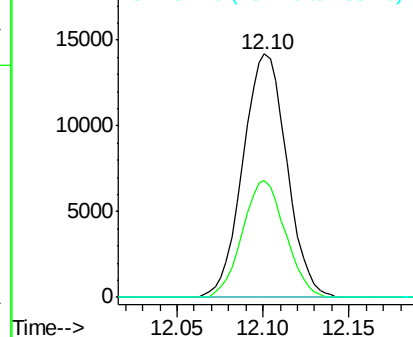
Tot Ion:	173	Resp:	25155
Ion Ratio	Lower	Upper	
173	100		
175	46.9	23.9	71.7
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

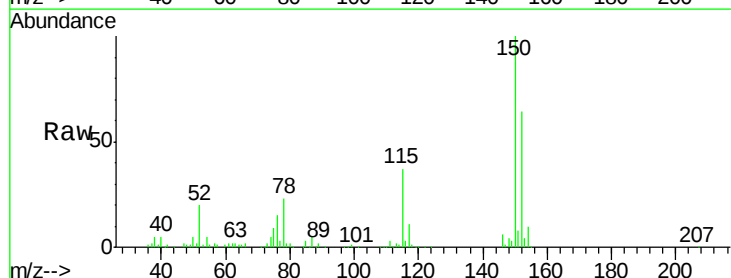
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

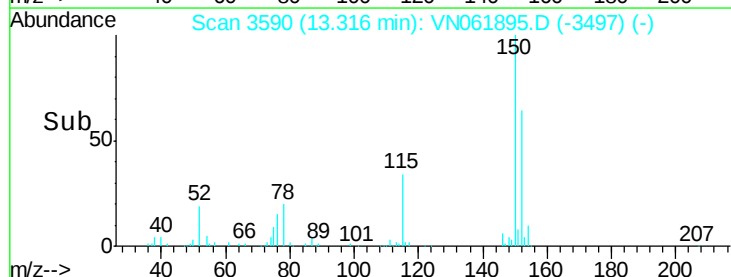
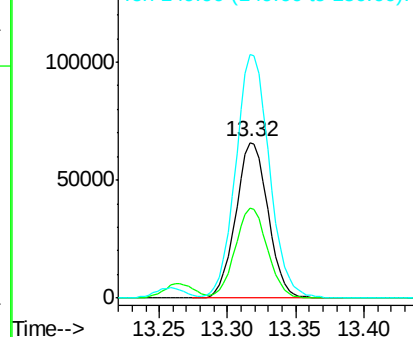
Lab File: VN061895.D

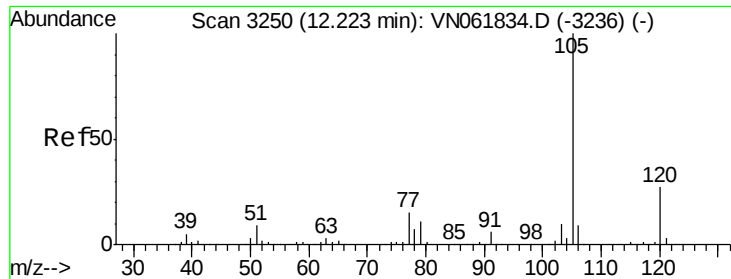
Acq: 18 Jun 2020 13:14

Tgt Ion:	152	Resp:	108325
Ion Ratio	Lower	Upper	
152	100		
115	57.5	29.1	87.3
150	164.0	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: 20.277 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 105 Resp: 156089

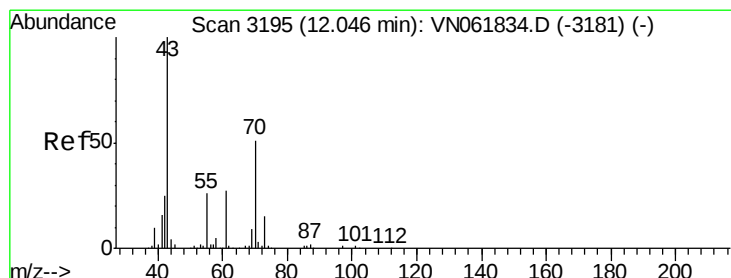
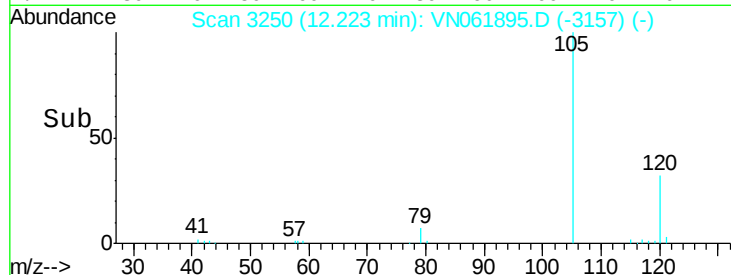
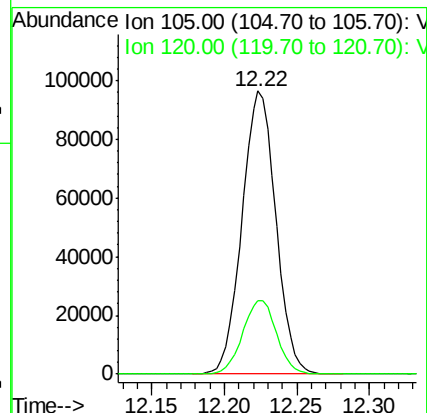
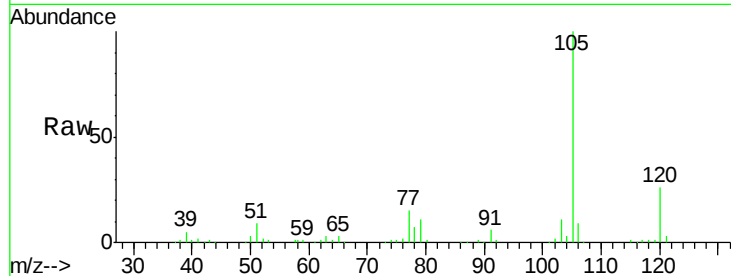
Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.320 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Tgt Ion: 43 Resp: 48275

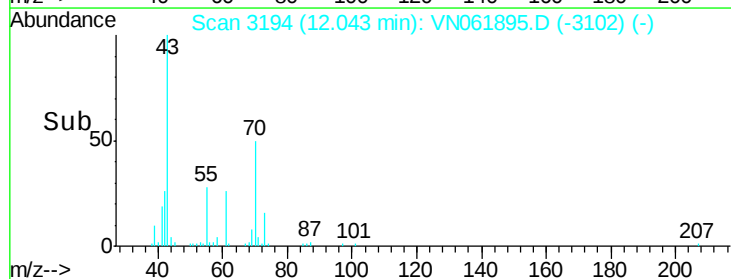
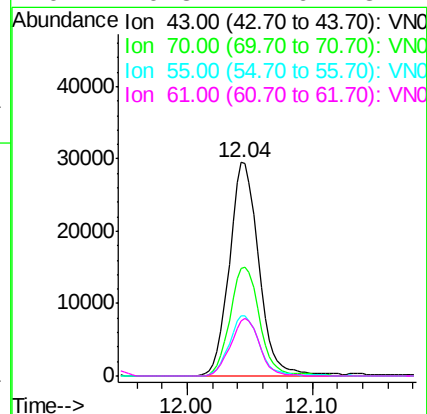
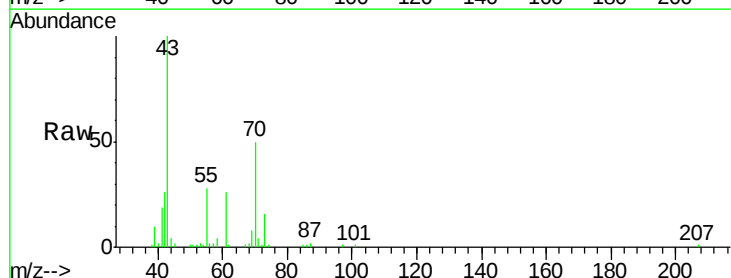
Ion Ratio Lower Upper

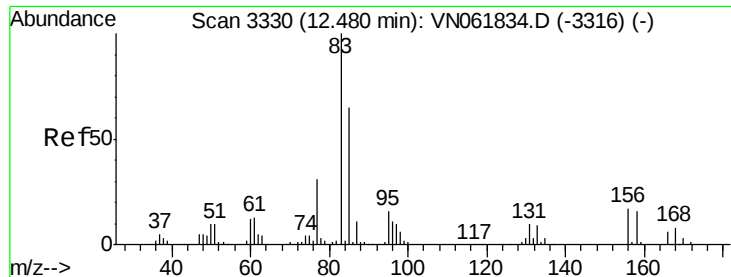
43 100

70 50.5 40.6 60.8

55 28.3 21.5 32.3

61 26.3 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.811 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

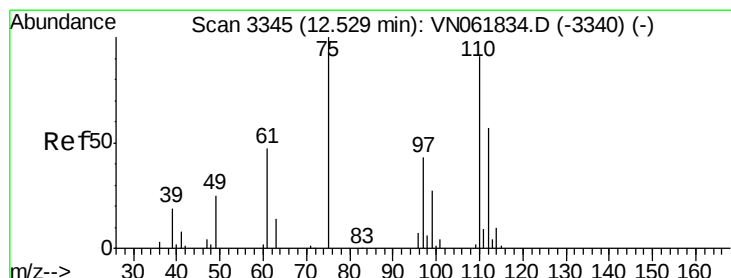
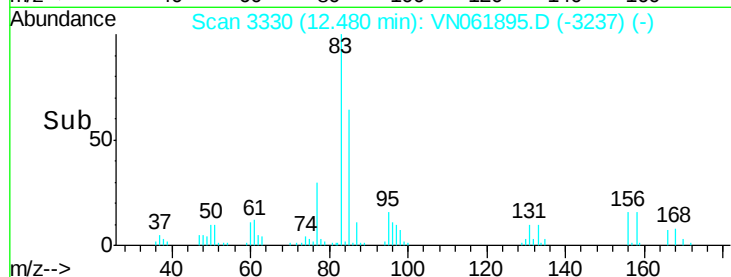
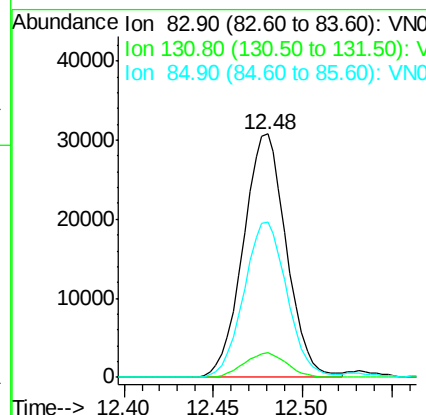
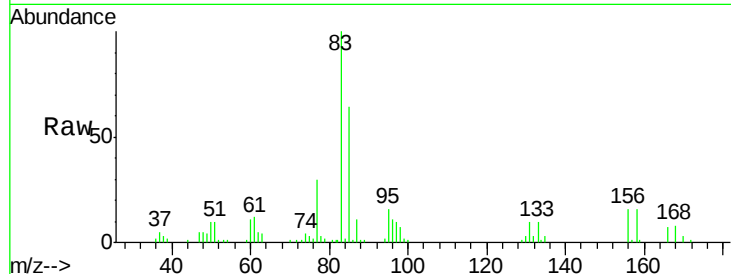
ClientSampleId :

VN0618WBSD01

Tot Ion:	83	Resp:	52083
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	63.4	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 21.414 ug/l m

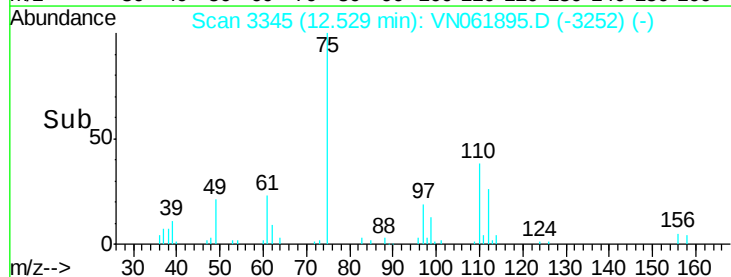
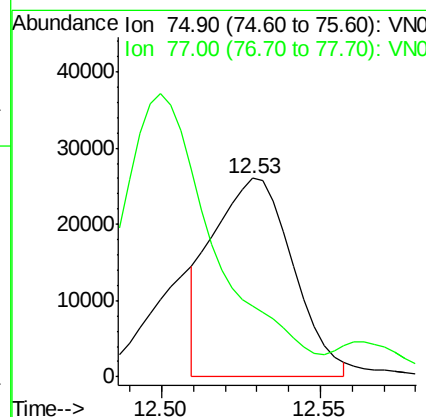
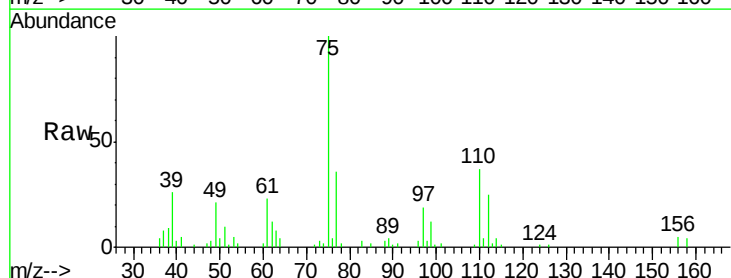
RT: 12.53 min Scan# 3345

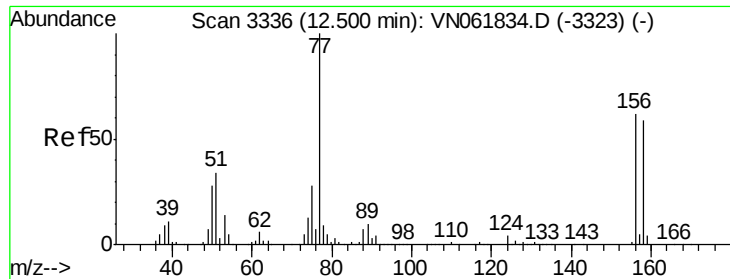
Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Tgt Ion:	75	Resp:	45542
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.333 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

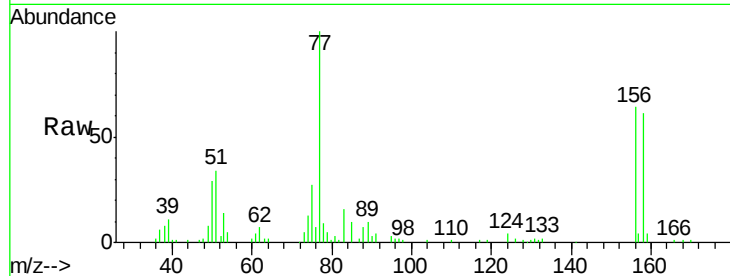
ClientSampleId :

VN0618WBSD01

Tot Ion	156	Resp	39487
Ion Ratio	Lower	Upper	
156	100		
77	196.4	100.7	302.1
158	97.3	48.5	145.5

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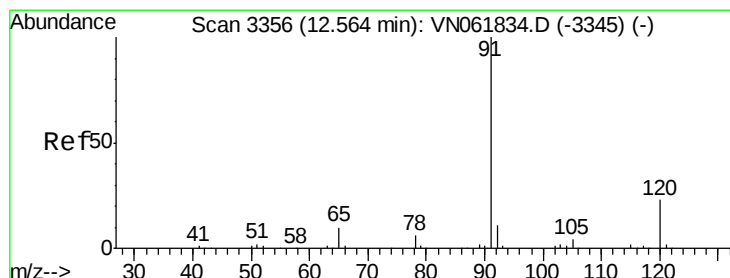
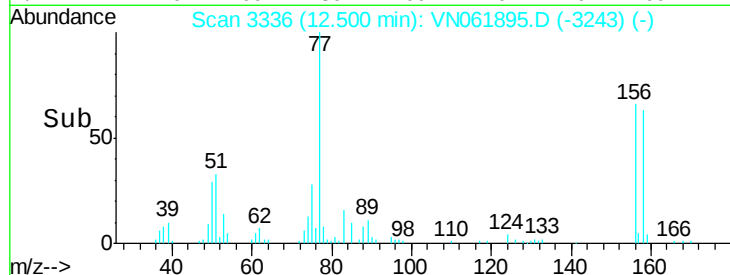
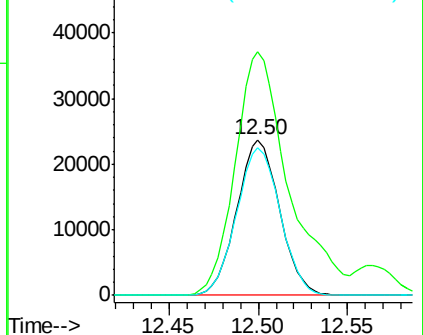
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.745 ug/l

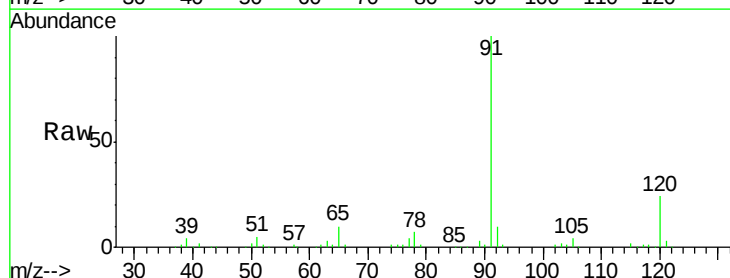
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061895.D

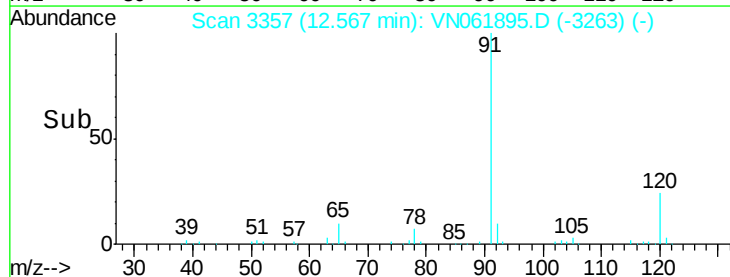
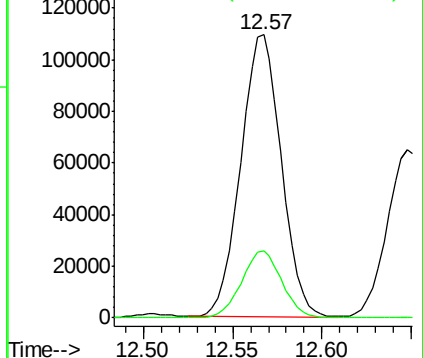
Acq: 18 Jun 2020 13:14

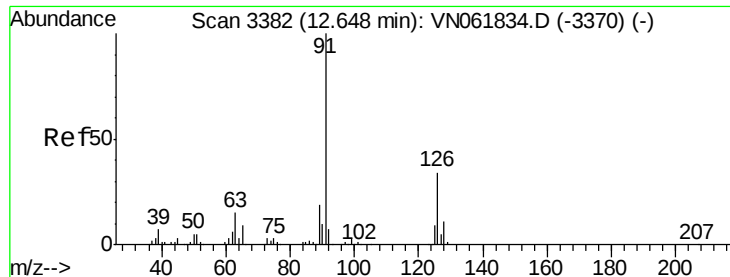
Tgt Ion	91	Resp	173426
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





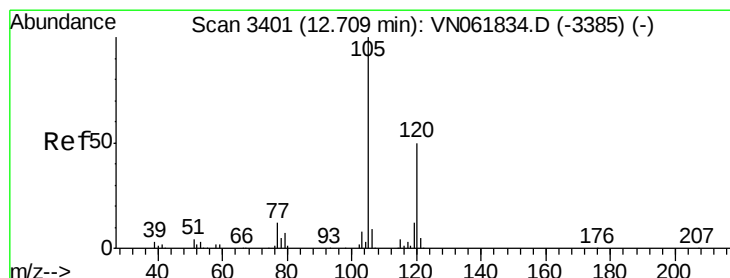
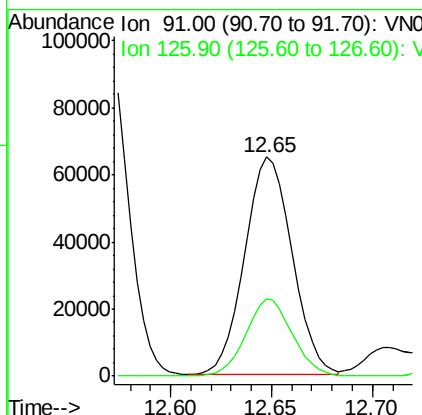
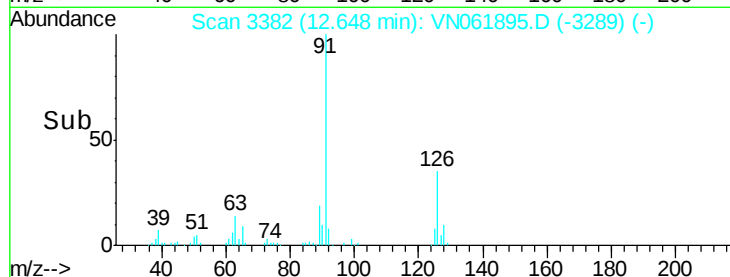
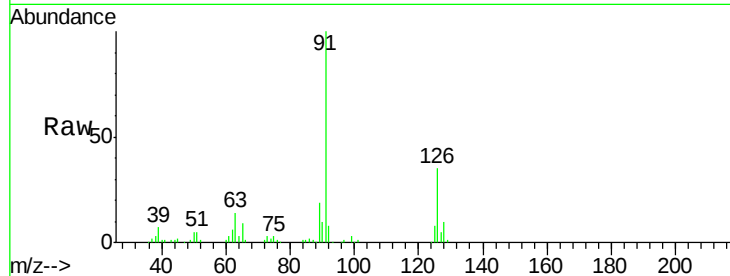
#79
 2-Chlorotoluene
 Concen: 20.355 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion: 91 Resp: 107377
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.3 51.7

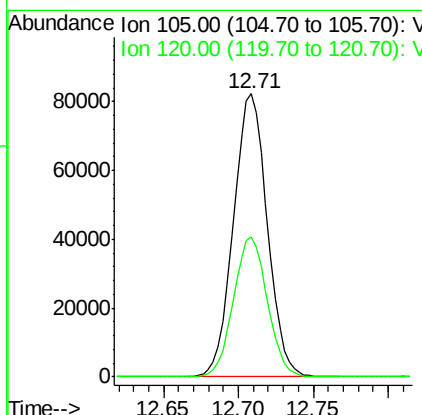
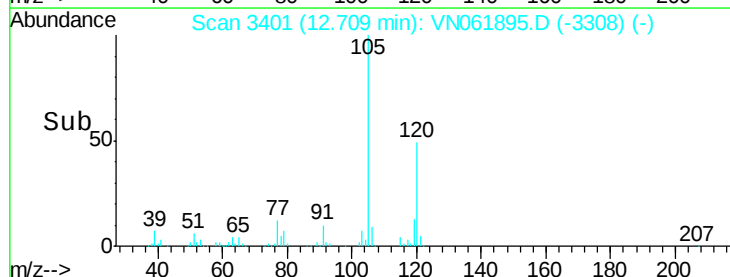
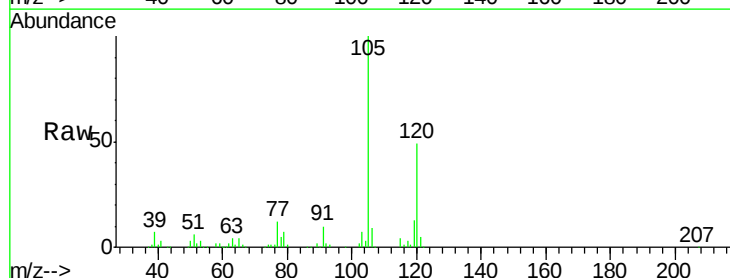
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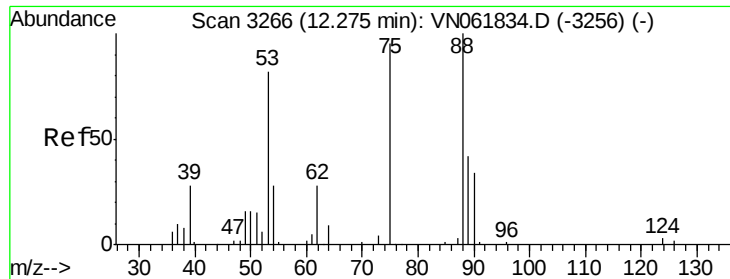
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.351 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion: 105 Resp: 129604
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.308 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

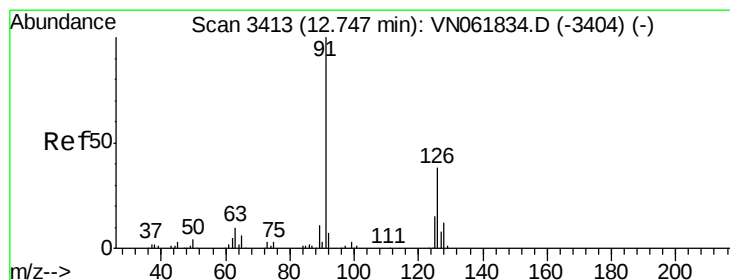
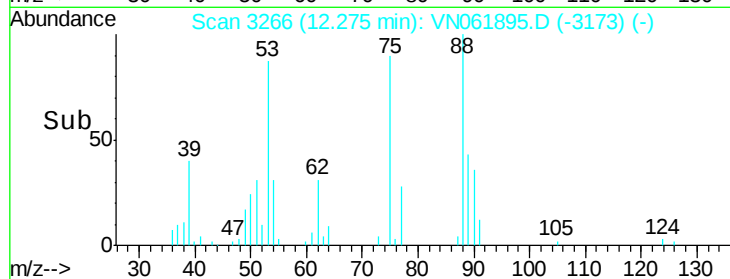
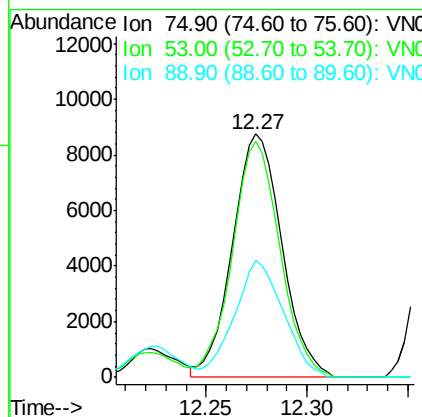
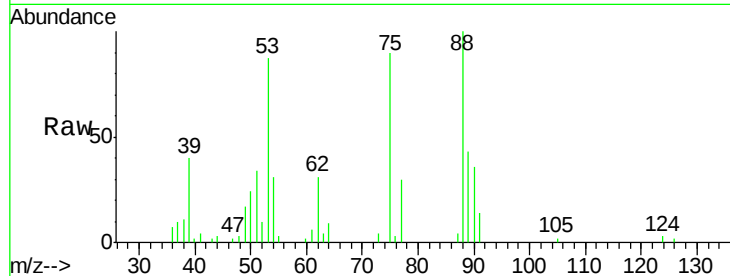
ClientSampleId :

VN0618WBSD01

Tot Ion:	75	Resp:	15055
Ion	Ratio	Lower	Upper
75	100		
53	93.6	70.4	105.6
89	47.6	36.0	54.0

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#82

4-Chlorotoluene

Concen: 19.660 ug/l

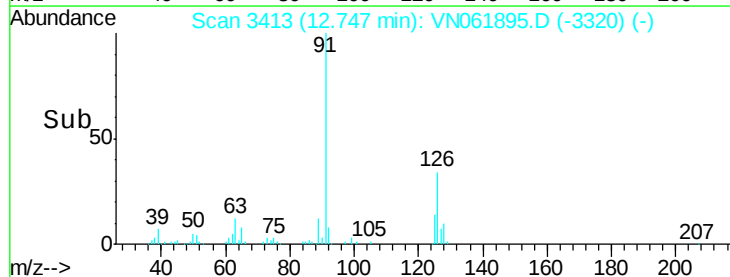
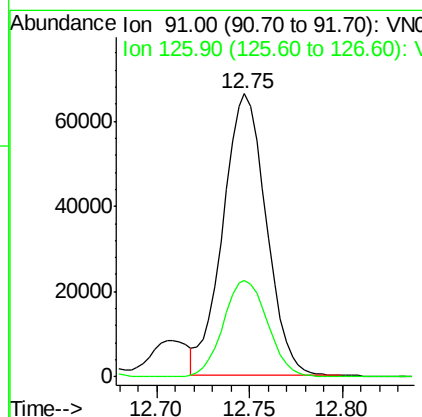
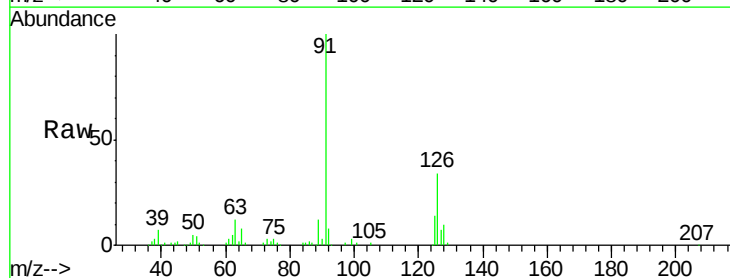
RT: 12.75 min Scan# 3413

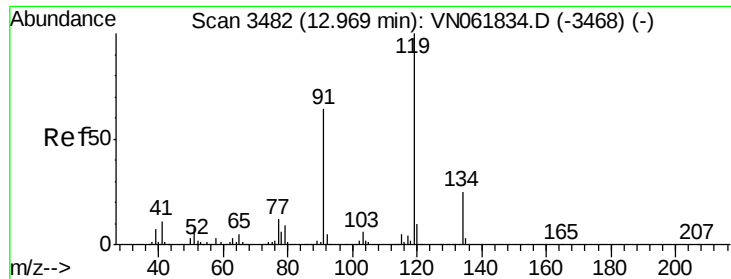
Delta R.T. -0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Tgt Ion:	91	Resp:	107164
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.2	51.6





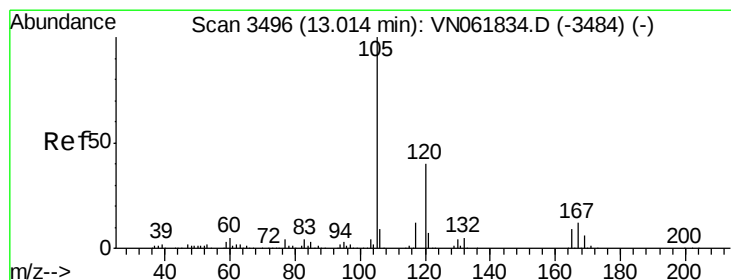
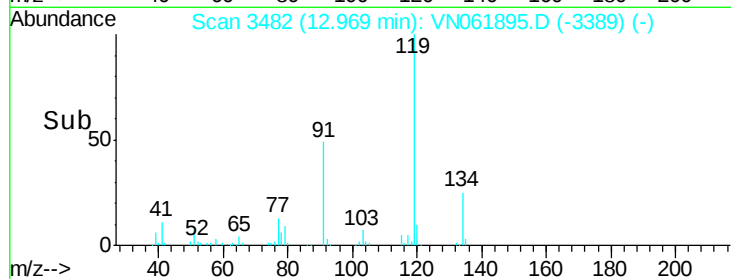
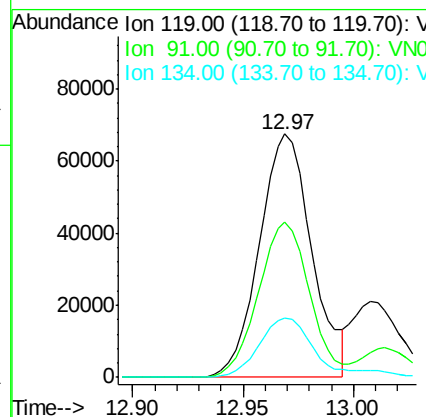
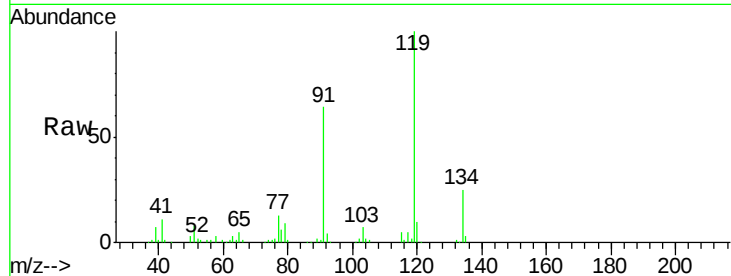
#83
tert-Butylbenzene
Concen: 20.544 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	110915		
91	62.7		31.5	94.5
134	25.0		13.3	39.9

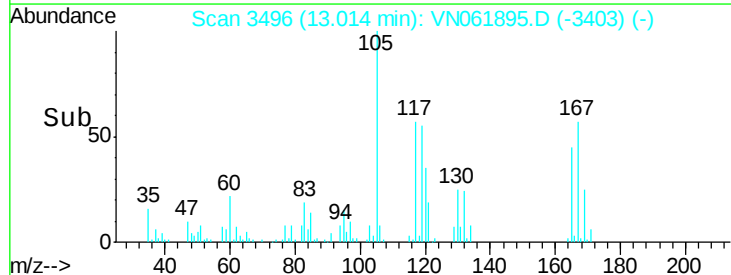
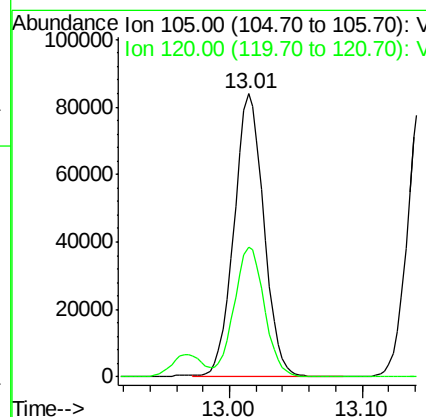
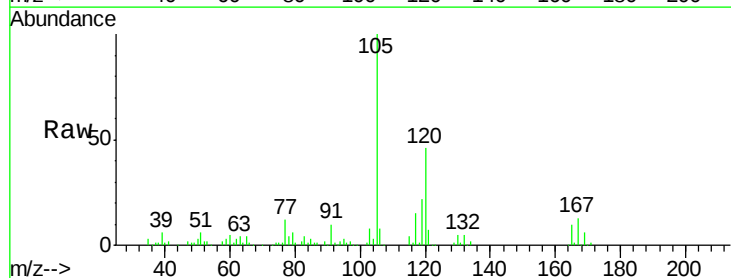
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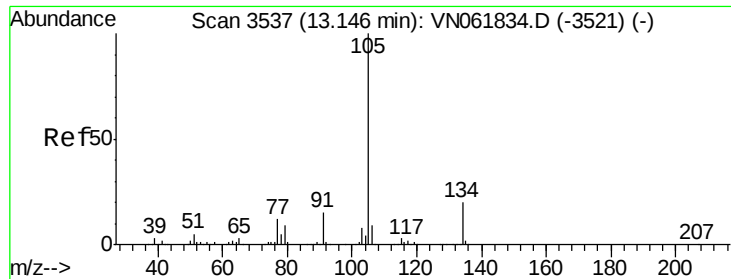
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#84
1,2,4-Trimethylbenzene
Concen: 20.855 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	131103		
120	46.9		23.3	69.9





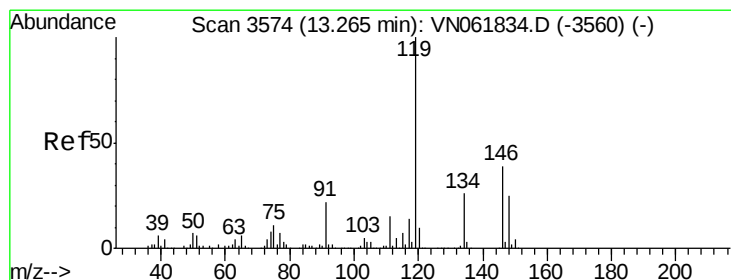
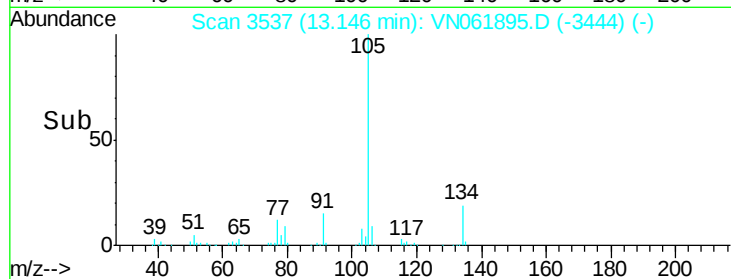
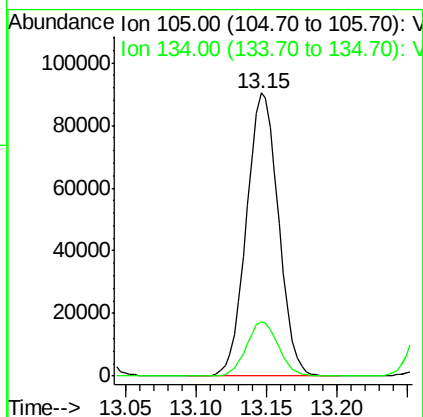
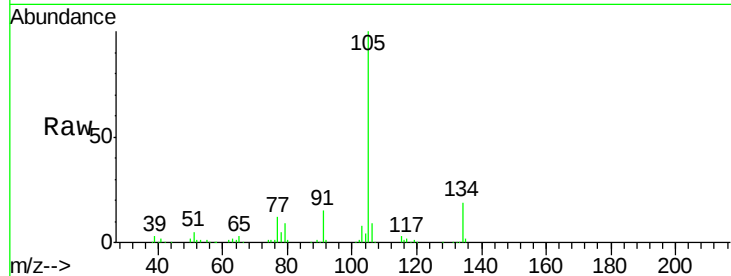
#85
 sec-Butylbenzene
 Concen: 20.394 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	144115		
134	19.1	10.1	30.1	

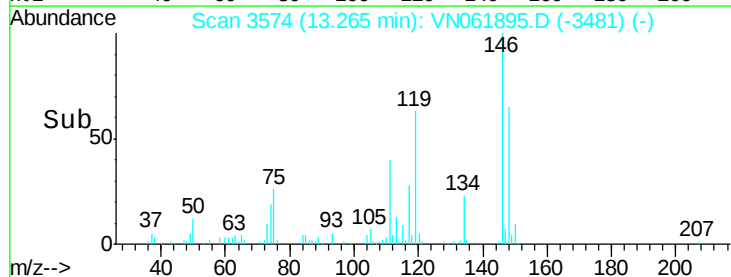
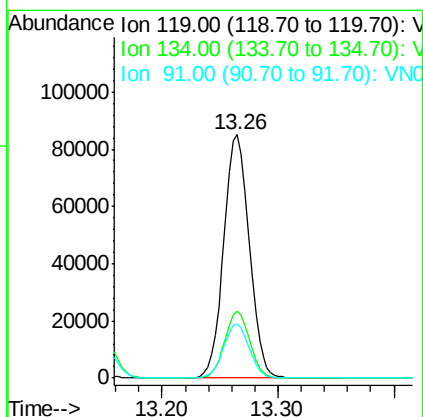
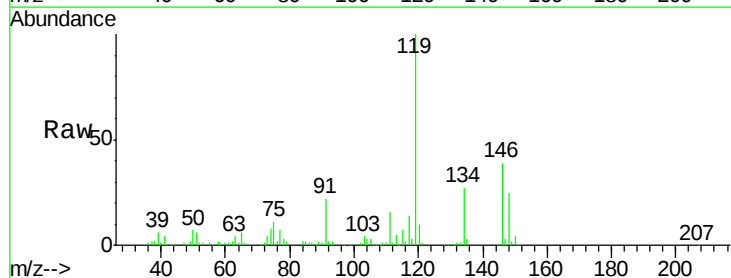
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#86
 p-Isopropyltoluene
 Concen: 20.560 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	129468		
134	26.7	13.3	39.9	
91	22.2	11.2	33.6	





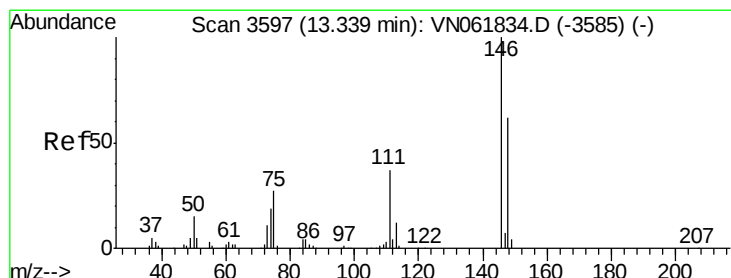
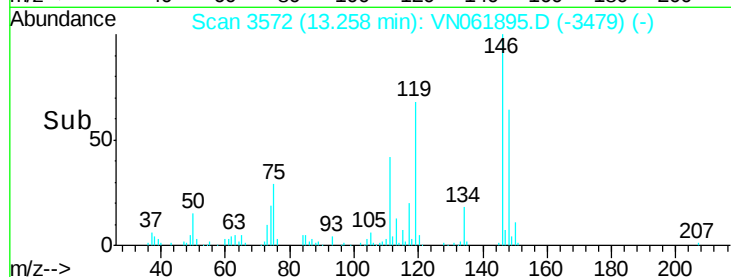
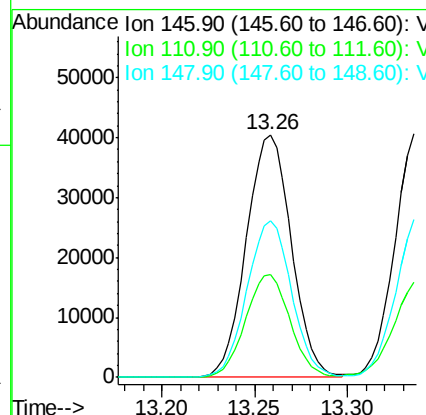
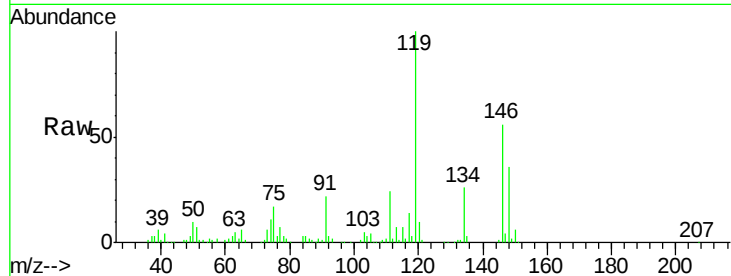
#87
 1,3-Dichlorobenzene
 Concen: 19.354 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.6	58.8
148	64.1	31.8	95.4

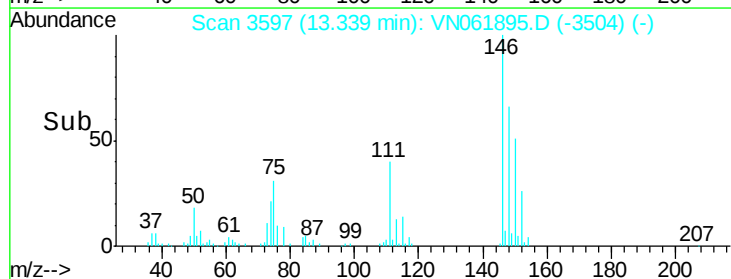
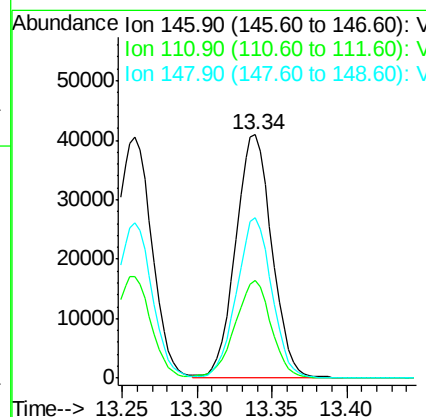
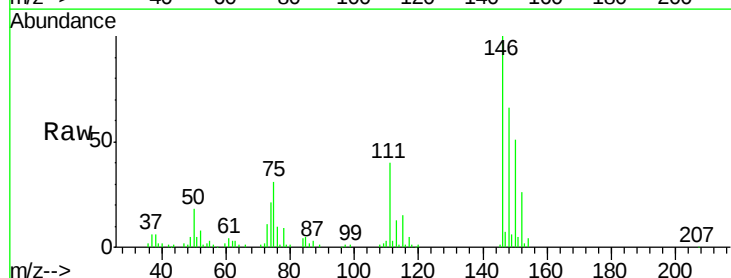
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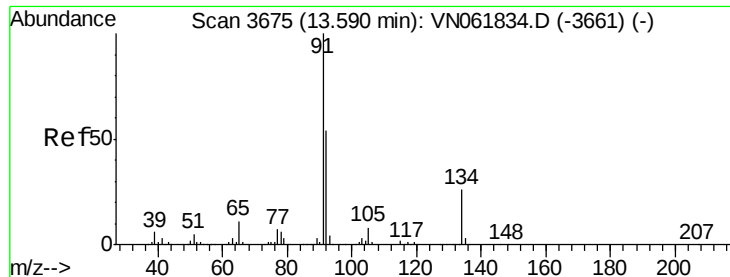
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#88
 1,4-Dichlorobenzene
 Concen: 19.084 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.8
148	64.0	31.6	94.7





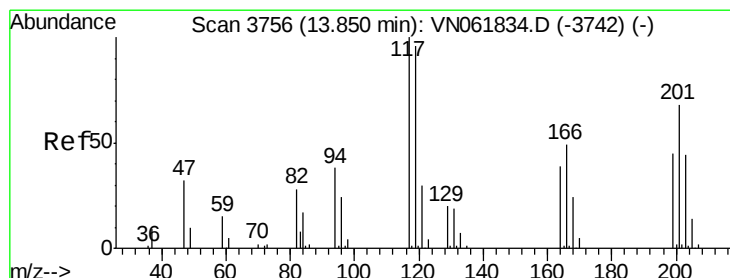
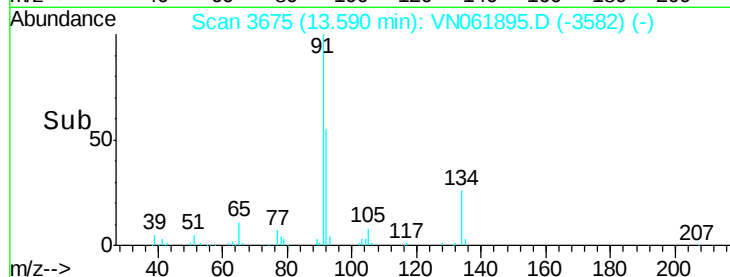
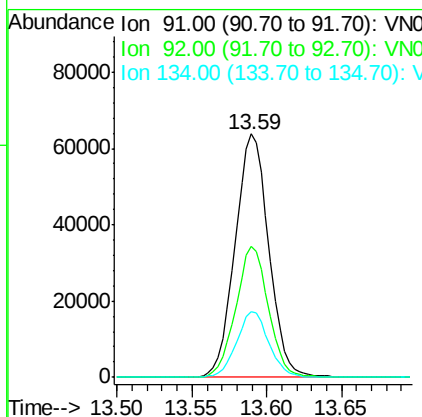
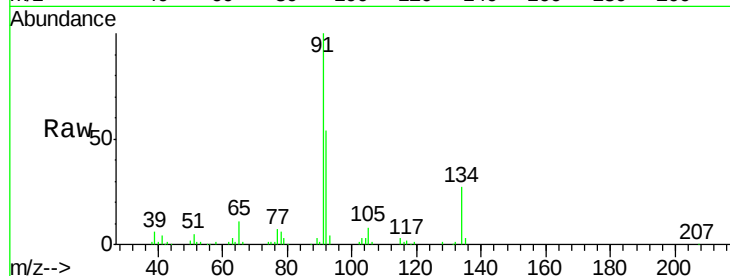
#89
n-Butylbenzene
Concen: 19.030 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	27.0	80.8
134	25.9	13.0	39.0

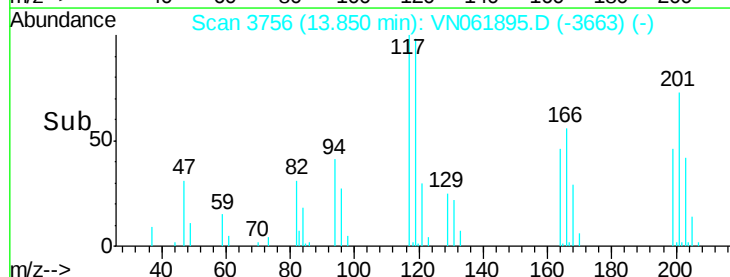
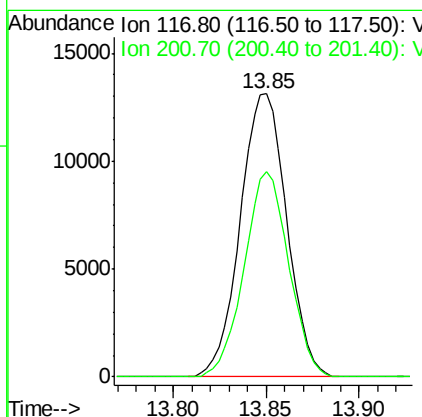
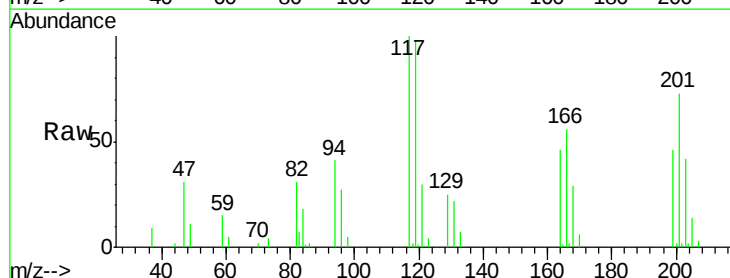
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#90
Hexachloroethane
Concen: 19.862 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061895.D
Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.4	34.6	103.8





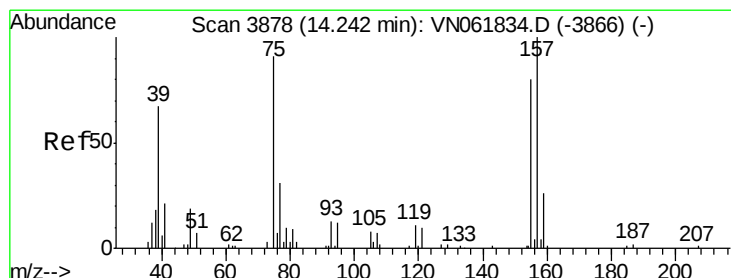
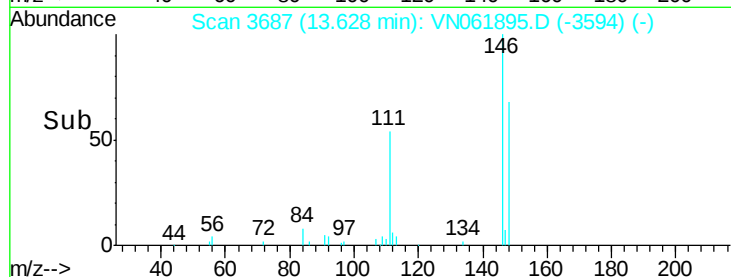
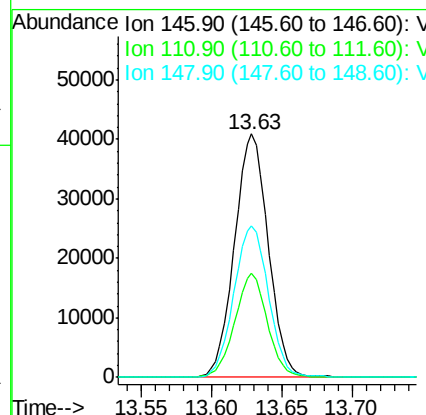
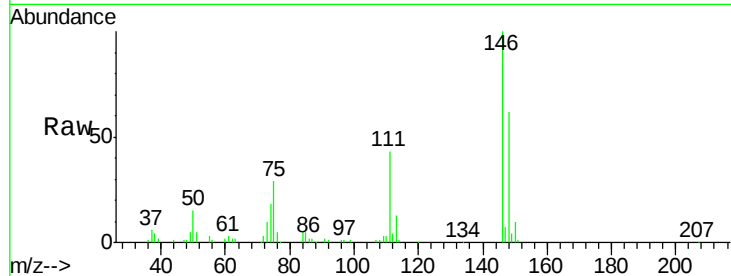
#91
 1,2-Dichlorobenzene
 Concen: 20.156 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.2
148	63.7	31.8	95.4

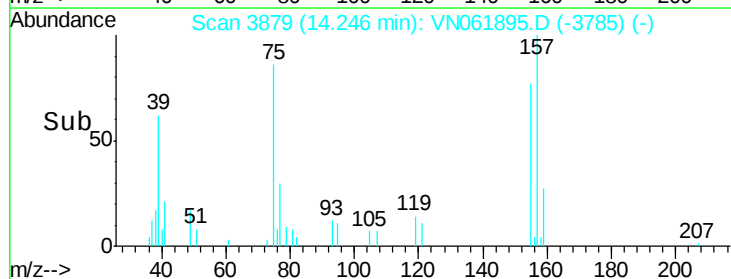
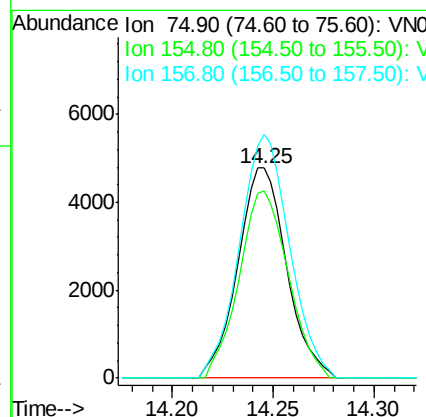
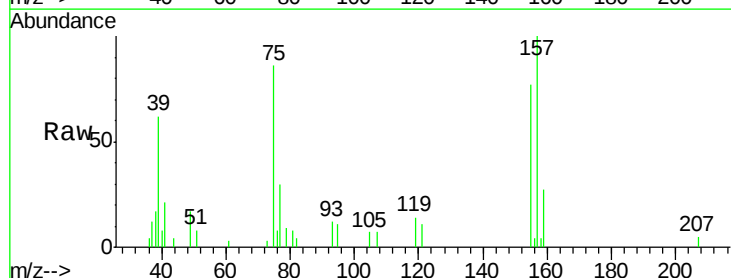
Manual Integrations
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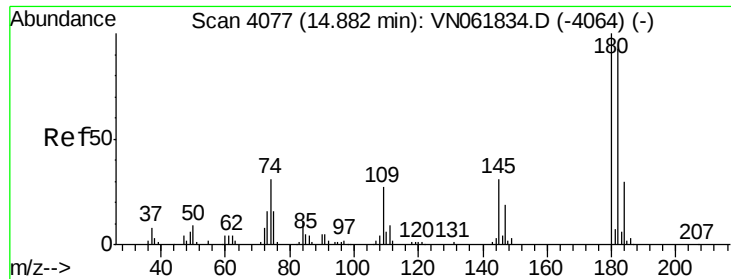
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.985 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	44.4	133.2
157	118.2	57.0	171.2





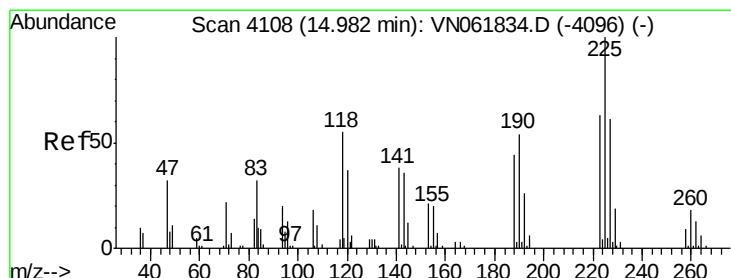
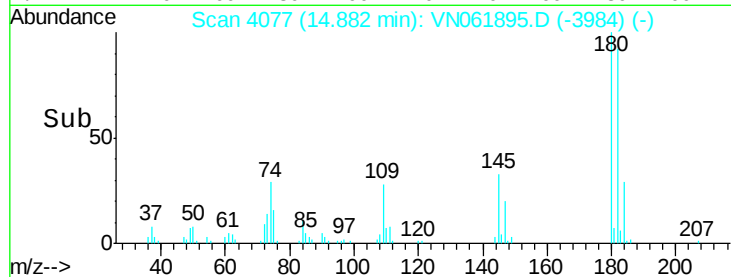
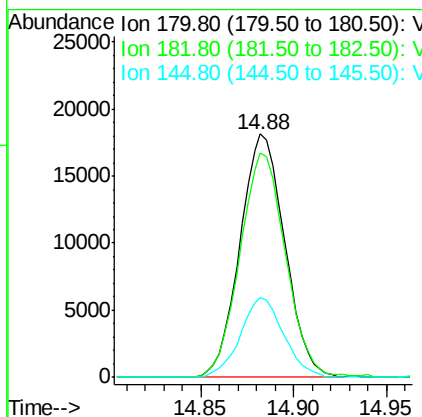
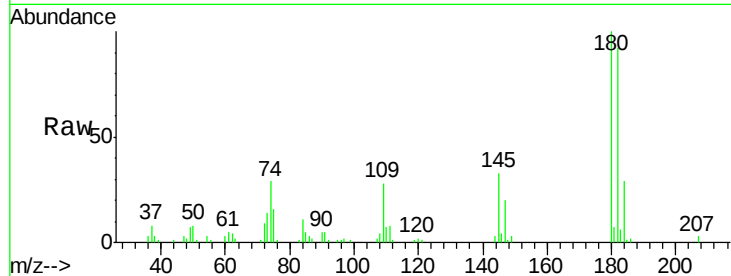
#93
 1,2,4-Trichlorobenzene
 Concen: 18.838 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.0	141.2
145	31.7	15.8	47.3

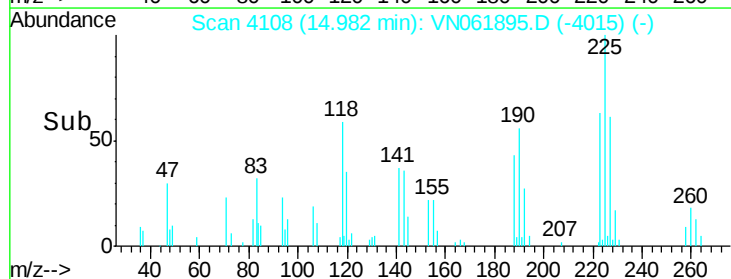
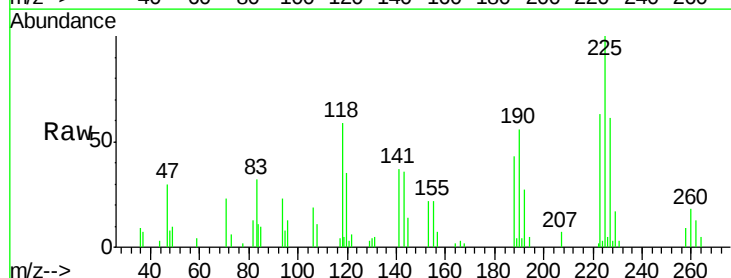
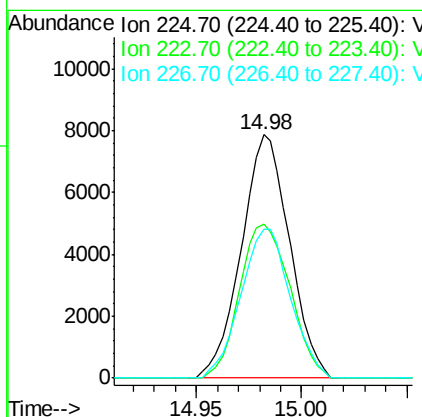
Manual Integrations
 APPROVED

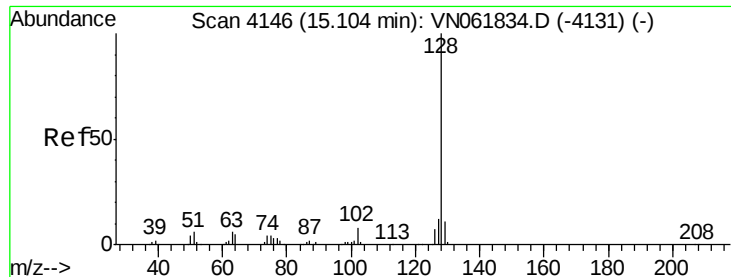
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.709 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061895.D
 Acq: 18 Jun 2020 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.0	31.7	95.1
227	63.1	30.1	90.3





#95

Naphthalene

Concen: 18.594 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Instrument :

MSVOA_N

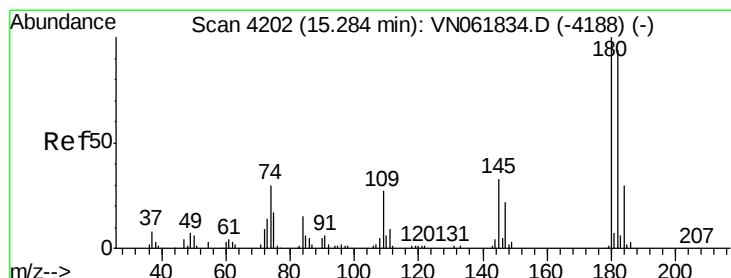
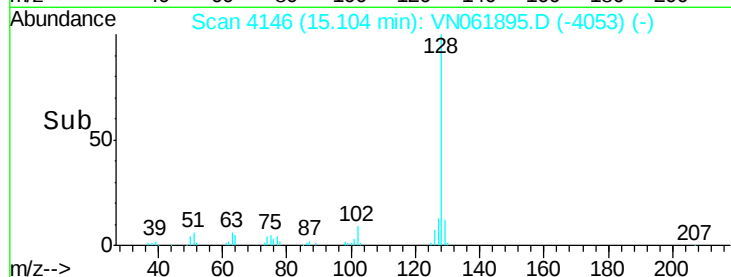
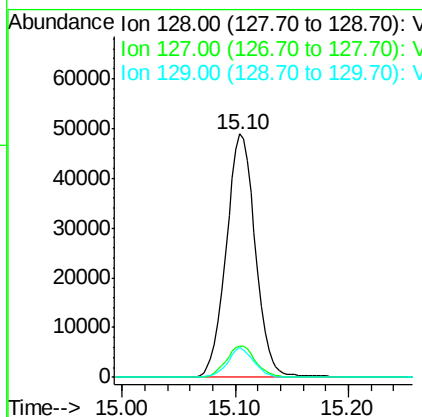
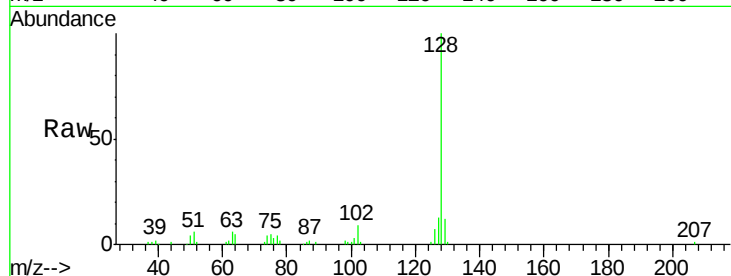
ClientSampleId :

VN0618WBSD01

Tot Ion:	128	Resp:	87521
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 19.970 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061895.D

Acq: 18 Jun 2020 13:14

Tgt Ion:	180	Resp:	31823
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.6
145	32.5	16.5	49.5

